FORM R405-2020

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: HOPE HAMMOCK OF TI Street: 550 SOUTH BROWN STF City, State, Zip: TITUSVILLE , FL , 32796 Owner: Design Location: FL, Orlando	REET	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Brevard (Florida Climate Zo	one 2)
 New construction or existing Single family or multiple family Number of units, if multiple family Number of Bedrooms 	New (From Plans) Attached 1 3 No 1059 0 Area 125.00 ft ² ft ² ft ² ft ² ft ²	 10. Wall Type\$1329.2 sqft.) a. Concrete Block - Int Insul, Exterior b. Frame - Wood, Common c. N/A d. N/A 11. Ceiling Types (1059.0 sqft.) a. Cathedral/Single Assembly (Vented) b. N/A c. N/A 12. Ducts a. Sup: 1st Floor, Ret: 1st Floor, AH: 1st 13. Cooling systems a. Central Unit 14. Heating systems 	Insulation Area R=9.4 925.00 ft ² R=4.0 404.17 ft ² R= ft ² R= ft ² Insulation Area R=30.0 1059.00 ft ² R= ft ² R= ft ² R= ft ² R= ft ² R ft ² t Floor 6 75 kBtu/hr Efficiency 18.0 SEER:14.00
Area Weighted Average SHGC: 8. Skylights c. U-Factor:(AVG) N/A SHGC(AVG): N/A 9. Floor Types (1059.0 sqft.) Insu a. Slab-On-Grade Edge Insulation R=0 b. N/A R= c. N/A R=	ft²	 a. Electric Strip Heat 15. Hot water systems a. Electric b. Conservation features None 16. Credits 	14.0 COP:1.00 Cap: 50 gallons EF: 0.920 None
- Glass/Floor Area: 0.118	Total Proposed Modified Total Baseline I		PASS
I hereby certify that the plans and specifica this calculation are in compliance with the I Code. PREPARED BY: <u>KEITH PRZECLAWS</u> DATE: <u>12-19-2023</u> I hereby certify that this building, as design with the Florida Energy Code. OWNER/AGENT: DATE:	Florida Energy	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.	COP WE TRUST

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.35 ACH50 (R402.4.1.2).

	2020	INPUT SL		PROJEC								
Title: Building Type Owner Name # of Units: Builder Name Permit Office Jurisdiction: Family Type: New/Existing Comment:	e: 1 e: :: Attached		Bedrooms: Conditioner Total Storie Worst Case Rotate Ang Cross Vent Whole Hou	3 d Area: 1 es: 1 e: N le: 0 ilation:	059		Lot # Block PlatB Stree Coun	:/Subdivisi ook: t:	ion: 550 Bre	eet Addre 0 SOUTH evard USVILLE , 3279	I BROW	VN S
				CLIMAT	E							
√ р	esign Location	TMY Site		Des 97.5	ign Temp % 2.5 %		sign Tem r Summ		ating ee Days		n Daily re Ra	/ Temp ange
	FL, Orlando	FL_ORLANDO_IN	TL_AR	41	91	70	75	5	526	44	M	edium
				BLOCK	S							
Number	Name	Area	Volume									
1	Block1	1059	10590									
				SPACE	S							
Number	Name	Area	Volume k	Kitchen C	occupants	Bedroo	ms Ir	nfil ID F	inished	Coo	led	Heat
1	1st Floor	1059	10590	Yes	4	3	1	١	/es	Yes		Yes
				FLOOR	S							
/ #	Floor Type	Space	Perin	neter R	-Value	Area			Т	Tile Wo	ood Ca	arpet
18	Slab-On-Grade Edge	Insulatio 1st F	Floor 134	ft	0.8	1059 ft ²				0 0)	1
				ROOF								
V #	Туре	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pito (de
1	Gable or shed	Flat tile/slate	1147 ft ²	220 ft ²	Medium	N	0.96	No	0.9	No	30	22.
				ATTIC								
V #	Туре	Ventila	ation	Vent Ratio ((1 in)	Area	RBS	IRC	;C			
1	No attic	Vent	ed	300	1	059 ft ²	Ν	N				
				CEILING	3							
√ #	Ceiling Type		Space	R-Value	Ins Ty	ре	Area	Frami	ing Frac	Truss	Туре	

FORM R405-2020

INPUT SUMMARY CHECKLIST REPORT

						WA	LLS							
V #	Ornt	Adjao To	ent	Туре	Space	Cavity R-Value	Wid Ft		Height Ft In	Area		ing Framing Je Fractior		
1	Omi N	Exterio		ncrete Block - Int I			FL 25		сц <u>ії</u> О	251.7 ft ²			0.75	
2	Е	Neighbo	or Fra	me - Wood	1st Floor	· 4	40		0	404.2 ft ²		0.12	0.75	C
3	S	Exterio		ncrete Block - Int			25		0	251.7 ft ²		0	0.75	
4	W	Exterio		ncrete Block - Int			42		0	421.7 ft ²		0	0.75	
							ORS		-			-		
		0		Desertaria	0	00	UKS	01	11.)/-1		Width	Heig	ht	A
	#	Orr	11	Door Type	Space			Storms	U-Valu	F		Ft	In	Area
	1	N		Wood	1st Floor			None	.2	3	3 2	8		25.3 ft ²
	2	S		Wood	1st Floor			None	.2	3	3 2	8		25.3 ft²
				0	rientation show		DOWS		oriontation					
/		Wal	1	0	nemation show		ileieu, r	Toposeu	Unentation		rhang			
\checkmark	# (Ornt ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		Separatio	on Int Sh	nade	Screeni
	1	N 1	Wood	Double (Clear)	Yes	0.4	0.25	Ν	50.0 ft ²	0 ft 0 in	0 ft 0 in	No	ne	None
	2	S 3	Wood	Double (Clear)	Yes	0.4	0.25	Ν	50.0 ft ²	0 ft 0 in	0 ft 0 in	No	ne	None
	3	W 4	Wood	Double (Clear)	Yes	0.4	0.25	Ν	25.0 ft ²	0 ft 0 in	0 ft 0 in	No	ne	None
	Ũ													
	0					INFILT	RATIC	N						
 			Method		SLA C	INFILT	RATIC		qLA	ACH	A	CH 50		
	Scope			CH(50) .0				E	qLA 7.21	ACH .1176		CH 50 5.3475		
	Scope		Method	CH(50) .0	0034	CFM 50	ELA 51.78	E 9						
	Scope		Method posed AC		0034	CFM 50 943.8	ELA 51.78	E 9	7.21				Block	Ducts
	Scope	e Proj System	Method posed AC	S	0034 I	CFM 50 943.8 HEATING	ELA 51.78	е 9 Г ЕМ	7.21 y (.1176			Block 1	
	Scope blehouse #	e Proj System	Method bosed AC	S	0034 I ubtype lone	CFM 50 943.8 HEATING	ELA 51.78	9 FEM Efficienc COP:1	7.21 y (.1176 Capacity				
	Scope blehouse #	e Proj System	Method bosed AC Type Strip Hea	S at/ N	0034 I ubtype lone	CFM 50 943.8 HEATINC Speed	ELA 51.78 3 SYS ⁻ 3 SYS ⁻	9 FEM Efficienc COP:1	7.21 y (.1176 Capacity 4 kBtu/hr				sys#1
	Scope blehouse # 1	e Prop System Electric	Method bosed AC Type Strip Hea Type	S at/ N S	0034 ubtype lone	CFM 50 943.8 HEATINC Speed	ELA 51.78 5 SYS	E 9 FEM Efficienc COP:1 TEM	7.21 y (14	.1176 Capacity 4 kBtu/hr ity A	5	5.3475	1	sys#1 Ducts
	Scope blehouse # 1 #	e Prop System Electric System	Method bosed AC Type Strip Hea Type	S at/ N S	0034 ubtype one ubtype plit	CFM 50 943.8 HEATING Speed COOLING Subtype	ELA 51.78 5 SYS 5 SYS 6 SYS 8 SYS	Efficience COP:1 TEM Efficiency SEER: 14	7.21 y (14	.1176 Capacity 4 kBtu/hr ity A	tir Flow	5.3475 SHR	1 Block	sys#1 Ducts
	Scope blehouse # 1 #	e Prop System Electric System Central	Method bosed AC Type Strip Hea Type	s at/ N S S	0034 ubtype one ubtype plit	CFM 50 943.8 HEATINC Speed COOLINC Subtype Singl	ELA 51.78 5 SYS 5 SYS 6 E 8	Efficience COP:1 TEM Efficiency EER: 14 STEM	7.21 y (14	.1176 Capacity 4 kBtu/hr ity A	ir Flow 40 cfm	5.3475 SHR 0.75	1 Block	Ducts sys#1 Ducts sys#1
	Scope blehouse # 1 1 #	e Prop System Electric System Central	Method posed AC Type Strip Hea Type Unit/	sat/ N S SubType	0034	CFM 50 943.8 HEATINC Speed COOLINC Subtype Singl	ELA 51.78 5 SYS 5 SYS E ER SYS	Efficiency COP:1 TEM Efficiency SEER: 14 STEM	7.21 <u>y (</u> 14 • Capac • 18 kBtu	.1176 Capacity 4 kBtu/hr ity A /hr 54	sir Flow 40 cfm	5.3475 SHR 0.75 Cons	1 Block 1	sys#1 Ducts
	Scope blehouse # 1 # 1 # 1	e Prop System Electric System Central	Method posed AC Type Strip Hea Type Unit/	sat/ N S SubType	0034	CFM 50 943.8 HEATINC Speed COOLINC Subtype Singl DT WATI	ELA 51.78 5 SYS 5 SYS 5 SYS ER SYS Ca 50 g	E 9 FEM Efficiency COP:1 TEM Efficiency SEER: 14 STEM p al	7.21 <u>y (</u> 14 <u>Capac</u> 18 kBtu <u>Use</u> 70 gal	.1176 Capacity 4 kBtu/hr ity A /hr 54 SetPr	sir Flow 40 cfm	5.3475 SHR 0.75 Cons	1 Block 1	sys#1 Ducts
	Scope blehouse # 1 # 1 # 1	e Prop System Electric System Central System Electri	Method posed AC Type Strip Hea Type Unit/	Sat/ N Sat/ N S SubType None	0034	COOLINC Subtype Singl CT WATI EF 0.92	ELA 51.78 5 SYS 5 SYS 6 E 5 SYS 7 E 50 g 7 ATER	Efficience COP:1 TEM Efficiency Efficiency EER: 14 STEM p al SYST	7.21 <u>y (</u> 14 <u>Capac</u> 18 kBtu <u>Use</u> 70 gal	.1176 Capacity 4 kBtu/hr ity A /hr 54 SetPr 120 de	sir Flow 40 cfm	5.3475 SHR 0.75 Cons	1 Block 1 servation Jone	sys#1 Ducts

FORM R405-2020

INPUT SUMMARY CHECKLIST REPORT

							DUCTS								
\checkmark	#	Sup Location R	oply 2-Value Area		Retu ation	ırn Area	Leakag	је Туре	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV/ Heat	AC # Cool
	1	1st Floor	6 75 ft ²	1st	Floor	0 ft ²	Default	Leakage	1st Floor	(Default)	(Defaul	t)		1	1
						TEM	PERATUF	RES							
Programa	able Thei	mostat: N			Ce	iling Fans	3:								
Cooling Heating Venting	[] Jar [X] Jar [] Jar	ר [X] Feb	[] Mar [X] Mar [X] Mar	[]Apr []Apr [X] Apr] May] May] May	[X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [[] [X]	Oct Oct Oct	[] Nov [X] Nov [X] Nov	ixi	Dec Dec Dec
Thermostat		le: HERS 20	06 Reference		2	4	F		urs 7	0	0	10	4.4		10
Schedule T	уре		1	2	3	4	5	6	1	8	9	10	11		12
Cooling (W	D)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	77	78 78
Cooling (W	EH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	77	78 78
Heating (W	'D)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	e	58 58
Heating (W	'EH)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	6	58 58
							MASS								
Ма	ss Type			Area	_		Thickness	F	Furniture Fra	ction	S	pace			
De	fault(8 lb:	s/sq.ft.		0 ft²			0 ft		0.3		1	st Floor			

Location Building owner Program user Company Comments	TITUSVILLE JOSH M CEG	FL
By Dataset name		MINER\DESKTOP\LOADS\TSARK\200236 MOCK\HOPE HAMMOCK LOADS.TRC
Calculation time TRACE® 700 version	11:42 AM on 6.3.5	12/19/2023
Location Latitude Longitude Time Zone Elevation Barometric pressure	Cape Kenne 28.0 80.0 5 16 29.9	dy, Florida deg deg ft in. Hg
Air density Air specific heat Density-specific heat product Latent heat factor Enthalpy factor	0.0760 0.2444 1.1147 4,906.9 4.5604	lb/cu ft Btu/lb·°F Btu/h·cfm·°F Btu∙min/h·cu ft Ib∙min/hr·cu ft
Summer design dry bulb Summer design wet bulb Winter design dry bulb Summer clearness number Winter clearness number Summer ground reflectance Winter ground reflectance Carbon Dioxide Level	88.0 78.0 38.0 0.95 0.95 0.20 0.20 400	°F °F ppm
Design simulation period Cooling load methodology Heating load methodology		ecember ASHRAE TFM) ASHRAE-TFM)





UNIT A EXTERIOR

Single Zone

	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	DIL PEAK		TEMPE	ERATURE	ES
	d at Time: utside Air:	Mo/H OADB/WB/HI	lr: 7 / 18 R: 85 / 77 /	127	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 84.6	Heating 74.5 65.8
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak	Percent	Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Of Total	Ret/OA	75.0	70.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads				Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0	-	0	Skylite Cond	0	0	0.00			
Roof Cond	0	1,703	1,703	12		0	Roof Cond	0	-844	29.92			
Glass Solar	520	0	520	4		4	Glass Solar	0	0	0.00		FLOWS	
Glass/Door Con		0	154	1	154	1	Glass/Door Cond	-578	-578	20.50		Cooling	Heating
Wall Cond	1,659	543	2,202	15		13	Wall Cond	-1,035	-1,399	49.58	Diffuser	568	568
Partition/Door	0		0	0	•	0	Partition/Door	0	0	0.00	Terminal	568	
Floor	0	0.00	0	0		0	Floor	0	0	0.00	Main Fan	568	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00			
Infiltration	0		0	0	-	0	Infiltration	0	0	0.00	Sec Fan	0	•
Sub Total ==>	2,333	2,247	4,580	32	2,333	18	Sub Total ==>	-1,613	-2,821	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0
Lights	2.487	622	3.109	22	2.487	20	Lights	0	0	0.00	MinStop/Rh	0	Õ
People	3,000	022	3,000	21		12	People	0	0	0.00	Return	568	
Misc	3,584	ŏ	3,584	25		28	Misc	Ő	ŏ	0.00	Exhaust	000	
Sub Total ==>	9.071	622	9,693	68		60	Sub Total ==>	0	0	0.00	Rm Exh	0	0
	5,071	022	5,000	00	7,071	00		0	0	0.00	Auxiliary	0	0
Ceiling Load	2.760	-2.760	0	0	2.760	22	Ceiling Load	-1,208	0	0.00	Leakage Dwn	0	0
Ventilation Load	_, 0	_,0	Ō	Ō		0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans He	at 0		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Siz	ina		0	0			Ov/Undr Sizina	0	0	0.00			
Ov/Undr Sizing	0		Ő	õ		0	Exhaust Heat		0	0.00	ENGINE		KS
Exhaust Heat	Ū	0	ŏ	Ŏ		Ŭ	OA Preheat Diff.		0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00			Heating
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	0.0	0.0
Duct Heat Pkup		0	0	0							cfm/ft ²	0.62	0.62
Underflr Sup Ht	Pkup		0	0			Underflr Sup Ht Pku	р	0	0.00	cfm/ton	477.60	
Supply Air Leaka	age	0	0	0			Supply Air Leakage	-	0	0.00	ft²/ton	765.95	
	-						••••				Btu/hr·ft ²	15.67	-3.10
Grand Total ==>	14,164	108	14,273	100.00	12.664	100.00	Grand Total ==>	-2,821	-2.821	100.00	No. People	6	

	Total C	apacity		COIL SEI			B/HR	Leave	DB/\	WB/HR	Gros	AREA s Total	S Glas	s	HEAT	ING COIL S CapacityCoil		ION Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb			ft²	(%)		• MBh	cfm	°F	
Main Clg Aux Clg	1.2 0.0	14.3 0.0	12.8 0.0	568 0	75.0 0.0	60.7 0.0	56.5 0.0	55.0 \$ 0.0	51.8 0.0	52.4 0.0	Floor Part	911 0			Main Htg Aux Htg	-2.8 0.0		70.0 0.0	74.5 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door ExFlr	1 0			Preheat	0.0	0	0.0	0.0
Total	1.2	14.3									Roof Wall	911 576	0 76	0 13	Humidif Opt Vent	0.0 0.0	0 0	0.0 0.0	0.0 0.0
											Ext Door	0	0	0	Total	-2.8			

UNIT A INTERIOR

Single Zone

C	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	DIL PEAK		ТЕМРЕ	RATURE	ES
	l at Time: itside Air:	Mo/H OADB/WB/HF	lr: 7 / 17 R: 87 / 78 /	132	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 83.6	Heating 73.3 66.5
	Space	Plenum		Percent		Percent		Space Peak	Coil Peak I		Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Ret/OA	75.0 0.0	70.0 0.0
Envelope Loads	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Envelope Loads	Btu/h	Btu/h	(%)	Fn MtrTD Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00	FILFIC	0.0	0.0
Roof Cond	Ő	1.781	1.781	14	-	0	Roof Cond	0	-864	47.35			
Glass Solar	559	0	559	4	-	5	Glass Solar	Ő	0	0.00	AIR	FLOWS	
Glass/Door Cond		Ő	89	1	94	1	Glass/Door Cond	-457	-457	25.02			l la atima
Wall Cond	352	140	491	4	344	3	Wall Cond	-349	-504	27.62		Cooling	-
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	Diffuser	496	
Floor	0		0	0		0	Floor	0	0	0.00	Terminal	496	
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	496	
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan	0	0
Sub Total ==>	1,000	1,921	2,920	23	978	9	Sub Total ==>	-806	-1,825	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0 0
Lights	2.487	622	3.109	25	2.487	22	Lights	0	0	0.00	MinStop/Rh	0	0
People	3.000	0	3.000	24		14	People	Ő	Õ	0.00	Return	496	496
Misc	3,584	Ō	3,584	28		32	Misc	Ō	Ō	0.00	Exhaust	0	0
Sub Total ==>	9,071	622	9,693	77	7,571	68	Sub Total ==>	0	0	0.00	Rm Exh	0	-
											Auxiliary	0	•
Ceiling Load	2,488	-2,488	0	0		23	Ceiling Load	-1,019	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	-	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Hea			0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Sizi	3		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0		0	Exhaust Heat		0	0.00	ENGINE	ERING C	CKS
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00		Cooling	Heating
Sup. Fan Heat		0	0	0			RA Preheat Diff.		0	0.00	% OA	0.0	
Ret. Fan Heat		0	0 0	0			Additional Reheat		0	0.00	cfm/ft ²	0.0	0.54
Duct Heat Pkup	lkun	U	0	0			Underfle Sun Ht Dku	n	0	0.00	cfm/ton	471.93	0.54
Underfir Sup Ht P		0	0	0			Underflr Sup Ht Pku	h	0	0.00	ft²/ton	471.93 866.71	
Supply Air Leaka	ye	U	0	0	'		Supply Air Leakage		0	0.00	Btu/hr·ft ²		2.00
Grand Total ==>	10 550	55	10 610	100.00	11.059	100.00	Grand Total ==>	1 005	1 005	100.00		13.85 6	-2.00
Grand Total ==>	12,558	55	12,613	100.00	11,059	100.00	Grand Total ==>	-1,825	-1,825	100.00	No. People	6	

			COOLING	COIL SEI	LECT	ION					AR	EAS		HEAT	ING COIL S	ELECT	ION	
	Total C ton	apacity MBh	Sens Cap. MBh	Coil Airflow cfm	° Ente °F		B/HR gr/lb	Leave DE °F °I			Gross Tota	I Gla	ass ' (%)		CapacityCoi MBh	l Airflow cfm	Ent °F	Lvg °F
Main Clg Aux Clg	1.1 0.0	12.6 0.0	11.1 0.0	496 0	75.0 0.0	60.9 0.0	57.5 0.0	55.0 52.0 0.0 0.0)		Main Htg Aux Htg	-1.8 0.0	496 0	70.0 0.0	73.3 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0.0	0 0.	Int E)		Preheat	0.0	0	0.0	0.0
Total	1.1	12.6								Roo Wall	f 91 ⁻	0 60	0 25	Humidif Opt Vent	0.0 0.0	0 0	0.0 0.0	0.0 0.0
										Ext	Door (0 0	0	Total	-1.8			

Project Name: HOPE HAMMOCK Dataset Name: HOPE HAMMOCK LOADS.TRC

UNIT B EXTERIOR

Single Zone

(COOLING	COIL PEAK			CLG SPAC	E PEAK	,	HEATING CO	DIL PEAK		TEMPE	ERATURE	ES
	d at Time: utside Air:	Mo/H OADB/WB/HF	lr: 7 / 18 R: 85 / 77 /	127	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 85.3	Heating 74.5 65.6
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak I	Percent	Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Of Total	Ret/OA	75.0	70.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads				Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond Roof Cond	0	0	0	0		0	Skylite Cond Roof Cond	0	0	0.00			
Glass Solar	0 1,188	1,834 0	1,834 1,188	11 7	-	0 8	Glass Solar	0	-838 0	25.60 0.00		FLOWS	
Glass Solal Glass/Door Con		0	240	1	240	2	Glass/Door Cond	-761	-761	23.25			
Wall Cond	1.875	585	2.461	15		13	Wall Cond	-1,236	-1,674	51.15		Cooling	Heating
Partition/Door	1,075	000	2,401	0		0	Partition/Door	-1,230	-1,074	0.00	Diffuser	657	657
Floor	õ		õ	Ő	•	Õ	Floor	Ő	õ	0.00	Terminal	657	657
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	657	657
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan	0	0
Sub Total ==>	3,304	2,419	5,723	35	3,282	22	Sub Total ==>	-1,996	-3,273	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0
Lights	2,490	623	3.113	19	2,490	17	Lights	0	0	0.00	MinStop/Rh	0	•
People	3.500	025	3,500	21	1.750	12	People	0	0	0.00	Return	657	657
Misc	4.096	õ	4.096	25		28	Misc	Ő	õ	0.00	Exhaust	0	
Sub Total ==>	10,086	623	10,708	65	,	57	Sub Total ==>	0	0	0.00	Rm Exh	0	0
	- ,		-,		-,						Auxiliary	0	0
Ceiling Load	2,985	-2,985	0	0	3,019	21	Ceiling Load	-1,276	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans He	at 0		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Siz	ing		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0		0	Exhaust Heat		0	0.00	ENGINE	ERING C	KS
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00	% OA	Cooling 0.0	Heating 0.0
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	cfm/ft ²	0.0	0.0
Duct Heat Pkup	Dkup	0	0	0			Underfly Sun Ut Div	n	0	0.00	cfm/ton	0.72 479.47	0.72
Underflr Sup Ht Supply Air Leaka		0	0	0			Underflr Sup Ht Pku Supply Air Leakage	h	0	0.00	ft²/ton	479.47 666.06	
Supply Air Leaka	age	U	0	0			Supply Air Leakage		0	0.00	Btu/hr·ft ²	18.02	-3.59
Grand Total ==>	16,374	57	16,431	100.00	14,637	100.00	Grand Total ==>	-3,273	-3,273	100.00	No. People	18.02 7	-3.39

	Total C	apacity		COIL SEI				Leave D		р/Цр	Groo	AREA s Total	S Glas	•	HEAT	ING COIL S CapacityCoil			- Lya
	ton	MBh	MBh	con Airnow cfm	°F	°F	gr/lb		_	gr/lb	Gros	STOLAT	ft ²	。 (%)		MBh	cfm	Ent °F	
Main Clg	1.4	16.4	14.7	657	75.0	60.8	57.0	55.0 52.	.0 క	53.1	Floor	912			Main Htg	-3.3	657	70.0	74.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0.	.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0.	.0	0.0	Int Door ExFlr	1 0			Preheat	0.0	0	0.0	0.0
Total	1.4	16.4									Roof	912	0	0	Humidif	0.0	0	0.0	0.0
											Wall	700	100	14	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.3			

UNIT B INTERIOR

Single Zone

	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	DIL PEAK		TEMPE	ERATURE	ES
	ed at Time: outside Air:	Mo/H OADB/WB/HI	lr:7/18 R:85/77/	127	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: Ho OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 84.2	Heating 73.7 66.2
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak I	Percent	Return	75.0	70.0
	Sens. + Lat.	Sens. + Lat	Total	Of Total	Sensible	Of Total		Space Sens	Tot Sens (Of Total	Ret/OA	75.0	70.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads				Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00			
Roof Cond	0	1,883	1,883	13		0	Roof Cond	0	-857	37.17			
Glass Solar	594	0	594	4		5	Glass Solar	0	0	0.00		FLOWS	
Glass/Door Con		0	193	1	197	2	Glass/Door Cond	-609	-609	26.41		Cooling	Heating
Wall Cond	565	174	738	5		4	Wall Cond	-596	-839	36.42	Diffuser	553	553
Partition/Door	0		0	0	•	0	Partition/Door	0	0	0.00		553	
Floor	0		0	0		0	Floor	0	0	0.00	Terminal Main Fan	553	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00			
Infiltration	0		0	0	-	0	Infiltration	0	0	0.00	Sec Fan	0	
Sub Total ==>	1,352	2,056	3,408	24	1,309	11	Sub Total ==>	-1,205	-2,305	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0
Lights	2,490	623	3.113	22	2.490	20	Lights	0	0	0.00	MinStop/Rh	0	-
People	3.500	025	3,500	25		14	People	0	0	0.00	Return	553	-
Misc	4.096	Ő	4.096	29		33	Misc	Ő	Ő	0.00	Exhaust	000	
Sub Total ==>	10,086	623	10,708	76	,	68	Sub Total ==>	0	0	0.00	Rm Exh	Ő	(
Sub 10tal>	10,000	025	10,700	70	0,000	00	Sub 10tal>	0	0	0.00	Auxiliary	0	C
Ceiling Load	2.643	-2,643	0	0	2.691	22	Ceiling Load	-1,100	0	0.00	Leakage Dwn	0	C
Ventilation Load		2,010	õ	õ		0	Ventilation Load	0	0	0.00	Leakage Ups	0	Ċ
Adj Air Trans He	at 0	2	0	0	0	0	Adj Air Trans Heat	0	0	0		Ŭ	
Dehumid. Ov Siz			0	0			Ov/Undr Sizina	0	0	0.00	L		
Ov/Undr Sizing	0			Ő		0	Exhaust Heat	-	0	0.00	ENGINE		:KS
Exhaust Heat	0	0	0 0	ŏ		Ũ	OA Preheat Diff.		0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00			Heating
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	0.0	0.0
Duct Heat Pkup		0	0	0							cfm/ft ²	0.61	0.61
Underflr Sup Ht			0	0			Underflr Sup Ht Pku	р	0	0.00	cfm/ton	470.40	
Supply Air Leaka	age	0	0	0			Supply Air Leakage		0	0.00	ft²/ton	775.29	
											Btu/hr·ft ²	15.48	-2.53
Grand Total ==>	14,081	35	14,116	100.00	12,336	100.00	Grand Total ==>	-2,305	-2,305	100.00	No. People	7	

	Total C ton	apacity MBh		Coil Airflow		r DB/W	B/HR gr/lb	Leave °F	DB/\ °F	WB/HR gr/lb	Gros	AREA s Total	S Glas	s (%)	HEAT	ING COIL S CapacityCoil MBh			Lvg °F
Main Clg Aux Clg	1.2 0.0	14.1 0.0	12.4 0.0	553 0	75.0 0.0	61.1 0.0	58.1 0.0	55.0 5 0.0	52.1 0.0	53.5 0.0	Floor Part	912 0			Main Htg Aux Htg	-2.3 0.0	553 0	70.0 0.0	73.7 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door ExFlr	1			Preheat	0.0	0	0.0	0.0
Total	1.2	14.1									Roof Wall Ext Door	912 380	0 80 0	0 21	Humidif Opt Vent <i>Total</i>	0.0 0.0 -2.3	0 0	0.0 0.0	0.0 0.0

Project Name: HOPE HAMMOCK Dataset Name: HOPE HAMMOCK LOADS.TRC

UNIT C EXTERIOR

Single Zone

(COOLING	COIL PEAK			CLG SPAC	E PEAK	,	HEATING CO	DIL PEAK		ТЕМРЕ	RATURE	S
	d at Time: utside Air:	Mo/H OADB/WB/HF	lr: 7 / 16 R: 88 / 78 /	133	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 83.3	Heating 74.1 65.9
	Space	Plenum		Percent		Percent		Space Peak	Coil Peak I		Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Ret/OA	75.0	70.0
Envelope Loads	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Envelope Loads	Btu/h	Btu/h	(%)	Fn MtrTD Fn BldTD	0.0 0.0	0.0 0.0
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00		0.0	0.0
Roof Cond	Ő	1.555	1.555	11	-	Ő	Roof Cond	Ő	-847	31.93			
Glass Solar	870	0	870	6		7	Glass Solar	Ő	0	0.00	AIR	FLOWS	
Glass/Door Cond	161	Ō	161	1	185	1	Glass/Door Cond	-609	-609	22.94			Heating
Wall Cond	1,042	354	1,397	10	900	7	Wall Cond	-875	-1,197	45.13		Cooling	-
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	Diffuser	575	575
Floor	0		0	0		0	Floor	0	0	0.00	Terminal	575	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	575	0.0
Infiltration	0		0	0	-	0	Infiltration	0	0	0.00	Sec Fan	0	0
Sub Total ==>	2,073	1,909	3,982	27	1,922	15	Sub Total ==>	-1,484	-2,653	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent	0	0
Lights	2.485	621	3.106	21	2,485	19	Lights	0	0	0.00	MinStop/Rh	0	0
People	3.500	0	3.500	24		14	People	Ő	õ	0.00	Return	575	575
Misc	4,096	Ő	4,096	28		32	Misc	Ő	Õ	0.00	Exhaust	0	0
Sub Total ==>	10,080	621	10,701	73	8,330	65	Sub Total ==>	0	0	0.00	Rm Exh	0	0
											Auxiliary	0	0
Ceiling Load	2,397	-2,397	0	0		20	Ceiling Load	-1,170	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	-	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Hea	at O		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Sizi	ing		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0		0	Exhaust Heat		0	0.00	ENGINE	ERING C	KS
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00		Cooling	Heating
Sup. Fan Heat		0	0	0			RA Preheat Diff.		0	0.00	% OA	0.0	Heating 0.0
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	cfm/ft ²	0.63	0.63
Duct Heat Pkup	Pkup	0	0	0			Undorfir Sun Ht Dku	n	0	0.00	cfm/ton	469.91	0.05
Underflr Sup Ht F Supply Air Leaka		0	0	0			Underflr Sup Ht Pku Supply Air Leakage	h	0	0.00	ft²/ton	743.67	
Suppry All Leaka	ye	0	0	0			Supply All Leakage		0	0.00	Btu/hr·ft ²	16.14	-2.92
Grand Total ==>	14,550	134	14,684	100.00	12.820	100.00	Grand Total ==>	-2,653	-2,653	100.00	No. People	10.14	-2.92
	14,000	104	14,004	100.00	12,020	100.00		-2,000	-2,000	100.00	No. Feople	1	

	Total C ton	apacity MBh	COOLING Sens Cap. MBh	COIL SEI Coil Airflow		r DB/W	B/HR gr/lb	Leave D °F	рв/м °F	VB/HR gr/lb	Gros	AREA s Total	S Glas ft²	s (%)	HEAT	ING COIL S CapacityCoi MBh			Lvg °F
Main Clg Aux Clg	1.2 0.0	14.7 0.0	12.9 0.0	575 0	75.0 0.0	61.1 0.0	58.2 0.0	55.0 52 0.0 0	2.1).0	53.5 0.0	Floor Part	910 0			Main Htg Aux Htg	-2.7 0.0	575 0	70.0 0.0	74.1 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0	0.0	0.0	Int Door ExFir	1			Preheat	0.0	0	0.0	0.0
Total	1.2	14.7									Roof Wall	910 508	0 80	0 16	Humidif Opt Vent	0.0 0.0	0 0	0.0 0.0	0.0 0.0
											Ext Door	0	0	0	Total	-2.7			

Project Name: HOPE HAMMOCK Dataset Name: HOPE HAMMOCK LOADS.TRC

PROJECT INFORMATION

PROJECT ADDRESS: 550 BROWN AVENUE TITUSVILLE, FLORIDA

AUTHORITY HAVING JURISDICTION: CITY OF TITUSVILLE

OWNER: COMMUNITY OF BREVARD

4515 S. BABCOCK STREET, PALM BAY FLORIDA 32905 (321) 474-0966 HOPPER.STEPH@GMAIL.COM

ARCHITECT: TSARK ARCHITECTURE 1990 W. NEW HAVEN SUITE 306 MELBOURNE, FL 32904 PHONE: 321-241-6378

CIVIL ENGINEER/LANDSCAPE DESIGN: CONSULTING CIVIL ENGINEERS INC. 3650 BOBBI LANE, SUITE 119 TITUSVILLE FLORIDA 32780 (321) 269-9930

STRUCTURAL ENGINEER: NOBLE STRUCTURAL GROUP, INC. 840 N. COCOA BLVD., SUITE B COCOA, FLORIDA 32926 PHONE: (321) 635-9344

MECHANICAL ENGINEER: CONSTRUCTION ENGINEERING GROUP 2651 W. EAU GALLIE BLVD SUITE A, MELBOURNE, FL 32935 PHONE: (321) 253-1221

ELECTRICAL ENGINEER: CONSTRUCTION ENGINEERING GROUP 2651 W. EAU GALLIE BLVD SUITE A, MELBOURNE, FL 32935

GENERAL CONTRACTOR: NAME: TBD

PHONE: (321) 253-1221

ADDRESS: TBD PHONE: TBD

PROJECT SUMMARY: THIS PROJECT IS A NEW SINGLE STORY, MULTI-FAMILY, MASONRY STRUCTURE.

APPLICABLE CODES:

- FLORIDA BUILDING CODE, 7TH EDITION FBC FBC ACCESSIBILITY CODE, 7TH EDITION FBC-A
- FBC-M FBC MECHANICAL CODE, 7TH EDITION
- FBC ELECTRICAL CODE, NEC FBC-E FBC ENERGY CONSERVATION CODE, 7TH EDITION FBC-EC
- FBC-P FBC PLUMBING CODE, 7TH EDITION
- FBC-F FBC FUEL GAS CODE, 7TH EDITION FFPC FLORIDA FIRE PREVENTION CODE, 6TH EDITION (NFPA 101)

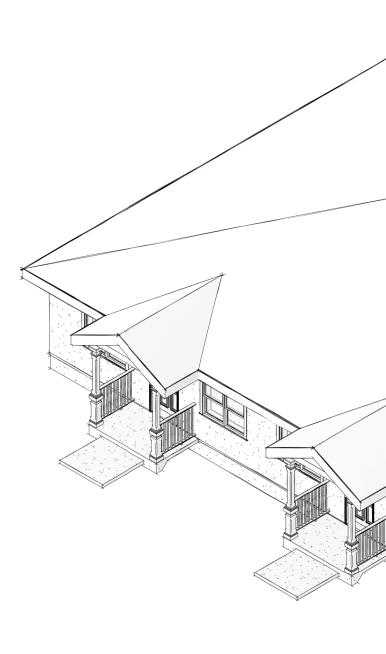
COMPLIANCE STATEMENT: REVIEW AND APPROVAL BY THE AUTHORITY HAVING JURISDICTION SHALL NOT RELIEVE THE APPLICANT OF THE RESPONSIBILITY OF COMPLIANCE WITH THESE CODES. TO THE BEST OF OUR KNOWLEDGE, THESE DOCUMENTS COMPLY WITH THE APPLICABLE MINIMUM CODES AND STANDARDS AS SET FORTH BY THE FLORIDA BUILDING CODE AND GOVERNING FLORIDA STATUTES.

ABBREVIATIONS

A /O	
A/C	AIR CONDITIONING
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE, ALTERNATIVE
ALUM	ALUMINUM
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
AV	AUDIOVISUAL
BLDG	BUILDING
BO	BOTTOM OF
CLG	CEILING
CLG HT	CEILING HEIGHT
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY
01110	
	UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUE, CONTINUOUS
CORR	CORRIDOR
DEMO	DEMOLISH
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIV	DIVISION
Е	EAST
EA	EACH
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXT	EXTERIOR
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER
	CABINET
FIN FLR	FINISHED FLOOR
FLR	FLOOR
FT	FOOT, FEET
FURN	FURNITURE
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GYP BD	GYPSUM BOARD
HC	HANDICAP
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION &
	AIR CONDITIONING
INCL	INCLUDE(D), (ING)
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
KIT	KITCHEN
LAB	LABOATORY
LAV	
1 4 1/	
	LAVATORY
	LAVATORY
LF	

MAINT MAINTENANCE MATL MATERIAL MAX MAXIMUM MECH MECHANICAL MEZZ MEZZANINE MFG MANUFACTURING MFR MANUFACTURER MIN MINUMUM MISC MISCELLANEOUS MR MOISTURE RESISTANT MTG MOUNTING NORTH Ν NIC NOT IN CONTRACT NOM NOMINAL NTS NOT TO SCALE OC ON CENTER OPT OPTION(AL) PLAM PLASTIC LAMINATE PLF POUNDS PER LINEAR FEET PLYWD PLYWOOD PR PAIR PREFAB PREFABRICATED PREFIN PREFINISH PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH QTY QUANTITY RCP REFLECTED CEILING PLAN ROOF DRAIN RD REF REFRIGERATOR, REFERENCE REQD REQUIRED RM ROOM RO ROUGH OPENING S SOUTH SC SOLID CORE SD STORM DRAIN SECT SECTION SF SQUARE FEET SIM SIMILAR SPEC SPECIFICATION SQ SS SQUARE STAINLESS STEEL STD STANDARD STOR STORAGE SUSP SUSPENDED SYS SYSTEM TD TRAVEL DISTANCE TEL TELEPHONE TEMP TEMPORARY THRU THROUGH TO TOP OF TRTD TREATED ΤV TELEVISION TYP TYPICAL UNO UNLESS NOTED OTHERWISE VERT VERTICAL VEST VESTIBULE VIF VERIFY IN FIELD WEST, WIDE W WITH W/ W/O WITHOUT WC WATER CLOSET WD WOOD WΤ WEIGHT

Hope Hammock of Titusville - Phase 2 Titusville, Florida





		A202 A203	PARTITION TYPES ROOF PLAN			1 2 🗸	ΓΛ
		A301 A401				ARCHITE	CTURE
		A402	BUILDING SECTIONS			Tsark Archite	cture. LLC
		A701	LARGE-SCALE PLANS AND IN	TERIOR ELEVATIONS			
		A703	MILLWORK SECTIONS AND DE	ETAILS		Melbourne, Flo	orida 32904
				PENING TYPES, FRAME TYPES			
Control Brown Structure B		A902	OPENING ELEVATIONS				
		STRUCTURAL		=s			
Image: Strand Biology (Strand B		S201	PHASE 2 FOUNDATION PLAN				
 		S203	MISC. DETAILS				
Image: Construct of the second sec							
			ROOF TRUSS LAYOUT PHASE	2			
		M1		TICATIONS, NOTES AND DETAILS		\mathcal{O}	
		M4				-	
		P1		SCHEDULES AND DETAILS		as	
						Ď.	
Image: State Back Rock Anda Image: State Back Rock Anda <td></td> <td></td> <td>NOTES, SYMBOLS, RISER AND</td> <td>D SCHEDULES</td> <td></td> <td>2</td> <td></td>			NOTES, SYMBOLS, RISER AND	D SCHEDULES		2	
		E2	SITE ELECTRICAL PLAN				
Cover sheet							$\mathbf{\hat{\mathbf{v}}}$
							06
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GENERAL REQUIREMENTS & SUBMITTAL PROCEEDURES

ARCHITECTURAL SPECIFICATIONS

DIMENSION PLAN

FLOOR PLAN PARTITION TYPES

REFERENCE PLAN/LIFE SAFETY PLAN

A101

A102

A201



REV REV DATE

GENERAL REQUIREMENTS

1. THE ARCHITECT HAS PREPARED THIS SET OF DOCUMENTS BASED ON VISUAL INSPECTION OF THE EXISTING PREMISES AND ON INFORMATION PROVIDED BY THE OWNER

2. IN THE EVENT OF A DISCREPANCY IN THE COMSTRUCTION DOCUMENTS. THE PREVAILING ORDER SHALL BE:

- A. CONTRACT FOR CONSTRUCTION
- B. GENERAL REQUIREMENTS
- C. SPECIAL REQUIREMENTS
- D. OWNER'S PUBLISHED DESIGN STANDARDS, IF APPLICABLE
- E. SPECIFICATIONS
- F. DETAILS ON DRAWINGS
- G. PLAN DRAWINGS

3. THE CONTRACTOR SHALL PROVIDE ALL WORK NECESSARY TO ENSURE A FUNCTIONAL FACILITY UPON COMPLETION OF THE PROJECT

4. USE FIGURED DIMENSIONS. DO NOT SCALE DRAWINGS. WHERE DIMENSIONS ARE SHOWN WITH A "±", ADJUSTMENTS MAY BE MADE TO SUIT FIELD CONDITIONS.

5. TO ESTABLISH THE COMPREHENSIVE SCOPE OF WORK AND TO ASSURE COORDINATION WITH OTHER TRADES, EACH SUBCONTRACTOR SHALL COMPLETELY REVIEW THE PLANS, NOT ONLY FOR HIS OR HER RESPECTIVE TRADE, BUT FOR THE WORK OF OTHER TRADES AS WELL. THE DOCUMENTS ARE INTERDEPENDENT. ONCE THE CONTRACTOR OR SUBCONTRACTOR HAS COMMENCED WITH HIS WORK. IT SHALL BE ASSUMED THAT HE HAS ACCEPTED THE CONDITIONS IN THE FIELD TO BE CORRECT AND RIGHT FOR THE INSTALLATION OF HIS WORK.

6. ALL SUBCONTRACTORS SHALL BE LICENSED TO OPERATE IN BREVARD COUNTY, FLORIDA.

7. OWNER SHALL RETAIN ALL SALVAGE RIGHTS UNTIL THE RIGHTS ARE RELEASED BY THE OWNER.

8. ACCURATE RECORD DOCUMENTS ARE TO BE RECORDED FOR LOCATIONS OF UNDERGROUND STRUCTURES AND UTILITIES.

9. EACH SUBCONTRACTOR SHALL CALL FOR UTILITY LOCATES OR COORDINATE DIRECTLY WITH THE GENERAL CONTRACTOR PRIOR TO ALL DIGGING OPERATIONS.

10.ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY, STATE AND LOCAL ENVIRONMENTAL LAWS AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION. PERMITS SHALL BE POSTED AT THE JOBSITE.

11. CONSTRUCTION SHALL COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.

12.NO ASBESTOS CONTAINING BUILDING MATERIALS MAY BE USED DURING CONSTRUCTION.

13.CONTRACTOR SHALL WARRANT THE PROJECT AREA FOR A TERM OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT, REGARDLESS OF PARTIAL OCCUPANCY.

14. PROVIDE PRODUCTS HAVING "ENERGY STAR" CERTIFICATIONS WHEN AVAILABLE. 15. CONTRACTOR SHALL PROVIDE A CONSTRUCTION ACCESS AND STAGING AREA PLAN

FOR OWNER'S APPROVAL. 16.THE PROJECT SHALL HAVE FULL TIME, CONSTRUCTION REPRESENTATION DURING ALL HOURS OF OPERATION. THIS REPRESENTATION CAN BE IN THE FORM OF A

17. CONTRACTOR SHALL PROVIDE A SAFETY BARRIER TO PREVENT INTERACTIONS BETWEEN THE PUBLIC AND THE JOBSITE.

18.WORKING HOURS SHALL BE COORDINATED WITH, AND APPROVED BY, THE OWNER.

19.ALTERNATES MAY BE USED AS REQUIRED BY THE SCOPE OF WORK. THESE WILL BE DETERMINED BY THE ARCHITECT AND USED UNDER THE DIRECTION OF THE OWNER'S

20.0WNER WILL REQUIRE AN OWNER DIRECT PURCHASE ORDER (ODP) PROGRAM FOR ALL MATERIAL PURCHASES OVER \$5000.00. RESULTING SALES TAX SAVINGS WILL SOLELY BENEFIT THE OWNER.

21. PROGRESS PAYMENTS ARE TO BE SUBMITTED MONTHLY.

PROJECT MANAGER OR SUPERINTENDENT.

REPRESENTATIVE.

22.A SCHEDULE OF VALUES SHALL BE SUBMITTED AND APPROVED PRIOR TO THE INITIAL PAY REQUEST.

23.A DAILY REPORT IS TO BE KEPT BY THE CONTRACTOR AND A WEEKLY REPORT IS TO BE SUBMITTED TO THE OWNER'S REPRESENTATIVE SHOWING THE CURRENT PROJECT STATUS, TWO WEEK LOOK-AHEAD, ISSUES AND PROBLEMS, PERMIT STATUS AND PERCENT COMPLETE.

24.CONTRACTOR IS TO PROVIDE A COMPLETE SUBMITTAL REQUIREMENT MATRIX FOR EACH PRODUCT LISTING ALL ANTICIPATED SUBMITTALS CROSS REFERENCED WITH THE SECTION NUMBER.

25.ALL TRAINING VIDEOS SHALL BE DIGITALLY RECORDED AND SUBMITTED TO THE OWNER.

26.COORDINATION MEETINGS SHALL HAVE AN AGENDA PREPARED BY AND MEETING MINUTES TAKEN BY THE CONTRACTOR. 27. CONTRACTOR IS TO HOLD WEEKLY COORDINATION MEETINGS, INVITING BOTH THE

OWNER'S REPRESENTATIVE AND THE ARCHITECT. 28. THE CONSTRUCTION SCHEDULE WILL BE UPDATED MONTHLY AT EACH PAY REQUEST

AND BE REVIEWED AT THAT TIME AS A CONDITION OF THE PAY APPLICATION. 29.ALL SUBSTITUTION REQUESTS FROM THE CONTRACTOR SHALL BE REVIEWED BY THE ARCHITECT AND ACCEPTED/REJECTED BY THE OWNER'S REPRESENTATIVE, BASED

ON THE ARCHITECT'S RECOMMENDATION, PRIOR TO INCORPORATION IN THE WORK. 30.FLORIDA PRODUCT APPROVAL NUMBERS SHALL BE SUBMITTED BY THE CONTRACTOR FOR BUILDING COMPONENTS SUCH AS EXTERIOR DOORS, WINDOWS, PANELS, ROOFING PRODUCTS, SHUTTERS, SKYLIGHTS, LOUVERS, AND OTHER

31. THROUGHOUT THE DURATION OF CONSTRUCTION, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ENSURE THE BUILDING REMAIN IN DRIED-IN CONDITION AND PREVENT UNLAWFUL ENTRY INTO THE CONSTRUCTION SITE.

PRODUCTS COMPRISING THE BUILDING ENVELOPE.

32.ALL PROJECT COORDINATION MEETINGS WILL HAVE AN AGENDA PREPARED BY AND MEETING MINUTES TAKEN BY THE CONTRACTOR.

33.CONTRACTOR TO PROVIDE FINAL CLEANING. THE OWNER RESERVES THE RIGHT TO PROVIDE CLEANING SERVICES WHEN CLEAN-UP HAS NOT BEENPROVIDED TO THE SATISFACTION OF THE OWNER. ASSOCIATED COSTS WILL BE DEDUCTED FROM THE CONTRACTOR'S FINAL PAYMENT.

34.THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING WITH AND COORDINATION OF MATERIALS TESTING AS PART OF QUALITY ASSURANCE. THE TESTING AGENCY IS TO COPY THE OWNER AND THE ARCHITECT ON ALL REPORTS. 35. THE CONTRACTOR IS TO PRESERVE AND PROTECT ALL EXISTING VEGETATION SUCH AS TREES, SHRUBS, AND GRASS ADJACENT TO THE SITE WORK WHICH IS NOT TO BE REMOVED AND WHICH DOES NOT INTERFERE WITH THE CONSTRUCTION WORK. THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER, SHALL REPLACE DAMAGED VEGETATION RESULTING FROM CONTRACTORS OPERATIONS WITH A COMPARABLE SPECIMEN.

36. THE CONTRACTOR'S CONSTRUCTION SCHEDULE SHALL BE IN THE FORM OF A CPM TYPE SCHEDULE USING PRIMAVERA SOFTWARE (P3 OR SURETRACK). A LINEAR BAR CHART SCHEDULE MAY BE ACCEPTABLE FOR SHORT DURATION PROJECTS AT THE OWNER'S DISCRETION.

37.ALL MATERIAL SAFETY DATA SHEETS ON ANY HAZARDOUS PRODUCT SHALL BE KEPT ON FILE AT JOBSITE, AND INCLUDED IN CLOSE-OUT DOCUMENTATION.

38. THE CONTRACTOR SHALL PROTECT UNDERGROUND AND OVERHEAD UTILITIES AT ALL TIMES. ADDITIONAL CARE SHALL BE TAKEN WHEN THE CONTRACTOR IS REQUIRED TO TIE INTO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE OWNER 72 HOURS IN ADVANCE TO SCHEDULE UTILITY CONNECTIONS. THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER, SHALL REPAIR ANY AND ALL DAMAGE TO UTILITIES RESULTING FROM CARELESS OPERATIONS.

39. CONTRACTOR IS TO PROVIDE A PROJECT CONSTRUCTION SIGN OF WATER-RESISTANT CONSTRUCTION. COPY AND DESIGN OF THE CONSTRUCTION SIGN SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE AND ARCHITECT. NO OTHER MARKETING SIGNAGE WILL BE PERMITTED.

40. FINAL SUBMITTAL SHALL INCLUDE TWO COPIES OF THE OPERATION AND MAINTENANCE DATA BINDERS FOR THE OWNER'S USE THAT NOTES CONTRACTOR LISTINGS, PRODUCTS, AND WARRANTY INFORMATION.

41.ALL SHELVING, CABINETRY AND CASEWORK SHALL HAVE 2x WOOD BLOCKING AND/OR PLYWOOD BACKER BOARD SUPPORT AS REQUIRED

42. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING LADDERS OR OTHER MEANS OF ACCESS TO THE AUTHORITY HAVING JURISDICTION (AHJ), ARCHITECT, ENGINEER, AND SBBC FOR REQUIRED OBSERVATIONS AND INSPECTIONS.

43. THE QUANTITY OF SUBMITTALS THAT WILL BE REQUIRED FOR THE PROJECT INCLUDING THE NUMBER OF SAMPLES, PRODUCT DATA AND SHOP DRAWINGS REQUIRED TO BE DETERMINED.

44.CONTRACTOR SHALL WARRANT THE PROJECT FOR A TERM OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT REGARDLESS OF PARTIAL OCCUPANCY.

45.ALL EXITS SHALL COMPLY WITH FLORIDA ACCESSIBILITY CODE FOR LEVEL ENTRY; SEE FBC, ACCESSIBILITY, SECTION 303; CHANGES IN LEVEL.

46.CONTRACTORS SHALL INCLUDE FOUR PRINTED COPIES OF THE RECORD DRAWINGS ALONG WITH ONE ELECTRONIC COPY WITH CLOSE-OUT DOCUMENTATION.

47. THE CONTRACTOR IS TO PROVIDE FINAL CLEANING. THE OWNER RESERVES THE RIGHT TO PROVIDE CLEANING SERVICES WHEN CLEAN-UP HAS NOT BEEN PROVIDED TO THE SATISFACTION OF THE OWNER. ASSOCIATED COSTS WILL BE DEDUCTED FROM THE CONTRACTOR'S FINAL PAYMENT.

48.CONSTRUCTION OF WORK INDICATED ON THE DRAWINGS AS (N.I.C.) IS NOT IN CONTRACT.

49.ALL WORK SHALL BE OF BEST PRACTICE OF EACH TRADE.

50. TERMITE TREATMENT SHALL BE COMPLETED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1816. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY.

51.WHERE GYPSUM BOARD LAYERS DIFFER BETWEEN TWO ADJOINING WALLS, MAINTAIN A CONTINUOUS FINISH OF WALL.

52.ELECTROLYTIC PROTECTION SHALL BE PROVIDED BETWEEN DISSIMILAR METALS WHENEVER THE TWO ARE IN CONTACT.

53. DETAILS NOT SHOWN ARE SIMILAR IN NATURE TO THOSE DETAILED. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT ARCHITECT BEFORE PROCEEDING WITH THE WORK TYPICAL DETAILS. APPLY AT ALL SIMILAR CONDITIONS WHETHER CROSS REFERENCED OR NOT.

54.0PEN EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALL AND ROOF, BETWEEN WALL PANELS, AT PENETRATIONS OF UTILITIES THROUGH THE BUILDING ENVELOPE SHALL BE SEALED W/ BACKER ROD IF REQUIRED, FLASHED OR WEATHER-STRIPPED AS REQUIRED FOR COMPATIBILITY WITH ADJACENT MATERIALS TO ELIMINATE AIR LEAKAGE AND WATER INFILTRATION, AND TO MEET THE REQUIREMENTS OF THE FLORIDA MODEL ENERGY CODE AS APPLICABLE.

55.A 20 YEAR "NO DOLLAR LIMIT" WARRANTY WILL BE PROVIDED FOR ALL ROOFING.

56. PROVIDE PROPER ANCHORAGE OF ESSENTIAL EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES.

57.PROVIDE PROPER ANCHORAGE OF ESSENTIAL EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES. WOOD BLOCKING IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

58. CONTRACTOR TO INCLUDE FOUR PRINTED COPIES OF THE RECORD DRAWINGS ALONG WITH ONE ELECTRONIC COPY ON CD ROM.

59. PROVIDE ACCESS PANELS FOR MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED BY APPLICABLE CODES.

60.PROVIDE AND INSTALL ALL STIFFENERS, BRACINGS, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE BEST POSSIBLE INSTALLATION AND REQUIRED MINIMUM LATERAL FORCE OF ALL TOILET/RESTROOM ACCESSORIES AND PARTITIONS AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL OR MISCELLANEOUS EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES.

61.CEILING HEIGHT DIMENSIONS ARE FROM DESIGNATED FINISHED FLOOR SURFACE TO FINISHED CEILING SURFACES UNLESS NOTED OTHERWISE.

62.GLAZING SUBJECT TO HUMAN IMPACT AS IDENTIFIED IN APPLICABLE CODES SHALL BE SAFETY GLAZING MATERIAL. EACH LIGHT OF LAMINATED OR TEMPERED GLAZING SHALL BE IDENTIFIED BY A PERMANENT LABEL, WHICH SPECIFIES THE LABELER, OR MANUFACTURER AND THAT SAFETY GLAZING MATERIAL HAS BEEN UTILIZED.

63.SEE PRE-ENGINEERED STRUCTURE SHOP DRAWINGS FOR STRUCTURAL CALCULATIONS, ROOF DETAILS, ROOF PRODUCT INFORMATION, COLUMN AND BEAM SCHEDULES AND FOUNDATION AND CONNECTION DETAILS.

64.MOUNT FIRE EXTINGUISHERS AT 4'-0" A.F.F. MEASURED TO THE CENTERLINE OF HANDLE.

65.LIGHT FIXTURE COLOR SELECTIONS SHALL BE BY THE ARCHITECT, AND EXPRESSLY RECEIVED IN WRITING FROM THE ARCHITECT. APPROVAL OF SUBMITTALS BY THE ELECTRICAL ENGINEER IS NOT AN APPROVAL OF THE LIGHT FIXTURE COLOR SELECTION.

66. THESE DRAWINGS, SPECIFICATIONS, AND ANY ADDENDA SHALL BE THE BASIS FOR THE CONTRACT FOR CONSTRUCTION BETWEEN THE GENERAL CONTRACTOR AND THE OWNER. THE RESPONSIBILITIES OF THE OWNER, ARCHITECT, AND GENERAL CONTRACTOR SHALL BE AS DESCRIBED IN AIA DOCUMENT A201-2017 - GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION.

SUBMITTAL PROCEDURES

PART 1 - GENERAL 1.1 SUMMARY

- A. THIS SECTION INCLUDES ADMINISTRATIVE AND PROCEDURAL REQUIREMENTS FOR SUBMITTING SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER MISCELLANEOUS SUBMITTALS.
- **1.2 DEFINITIONS**
- A. ACTION SUBMITTALS: WRITTEN AND GRAPHIC INFORMATION THAT REQUIRES ARCHITECT'S/ENGINEER'S RESPONSIVE ACTION.
- B. INFORMATIONAL SUBMITTALS: WRITTEN INFORMATION THAT DOES NOT REQUIRE ARCHITECT'S/ENGINEER'S APPROVAL, SUBMITTALS MAY BE REJECTED FOR NOT COMPLYING WITH REQUIREMENTS.
- 1.3 SUBMITTAL PROCEDURES
- A. GENERAL: ELECTRONIC COPIES (.PDF ONLY) OF DRAWINGS OF THE CONTRACT DRAWINGS WILL BE PROVIDED BY ARCHITECT/ENGINEER FOR CONTRACTOR'S USE IN PREPARING SUBMITTALS.
- B. CONTRACTOR SHALL SUBMIT SOFT COPIES OF PRODUCT DATA, SHOP DRAWINGS, AND PHYSICAL COPIES OF SAMPLES.
- C. ALL SUBMITTED SHOP DRAWINGS SHALL HAVE ENHANCEMENT OR ADDITIONAL DETAILS THAN THAT OF THE ARCHITECT'S/ENGINEER'S, REFLECTING TYPES OF MATERIAL ALREADY SUBMITTED FOR APPROVAL AND APPROVED BY THE ARCHITECT/ENGINEER AND REFLECTING ALL NECESSARY EQUIPMENT, IF ANY, OR ELSE THE SUBMITTED SHOP DRAWING SHALL NOT BE CONSIDERED AS COMPLETE.
- D. COORDINATION: COORDINATE PREPARATION AND PROCESSING OF SUBMITTALS WITH PERFORMANCE OF CONSTRUCTION ACTIVITIES.
- E. PROCESSING TIME: ALLOW ENOUGH TIME FOR SUBMITTAL REVIEW, INCLUDING TIME FOR RESUBMITTALS, AS FOLLOWS, TIME FOR REVIEW SHALL COMMENCE ON ARCHITECT'S/ENGINEER'S RECEIPT OF SUBMITTAL.
- a. INITIAL REVIEW: ALLOW UP TO 14 DAYS FOR INITIAL REVIEW OF EACH SUBMITTAL. ALLOW ADDITIONAL TIME IF PROCESSING MUST BE DELAYED TO PERMIT COORDINATION WITH SUBSEQUENT SUBMITTALS. ARCHITECT/ENGINEER WILL ADVISE CONTRACTOR WHEN A SUBMITTAL BEING PROCESSED MUST BE DELAYED FOR COORDINATION.
- b. CONCURRENT REVIEW: WHERE CONCURRENT REVIEW OF SUBMITTALS BY ARCHITECT'S/ENGINEER'S CONSULTANTS, OWNER, OR OTHER PARTIES IS REQUIRED, ALLOW UP TO 21 DAYS FOR INITIAL REVIEW OF EACH SUBMITTAL
- c. NO EXTENSION OF THE CONTRACT TIME WILL BE AUTHORIZED BECAUSE OF FAILURE TO TRANSMIT SUBMITTALS ENOUGH IN ADVANCE OF THE WORK TO PERMIT PROCESSING.
- F. IDENTIFICATION: PLACE A LABEL OR TITLE BLOCK ON EACH SUBMITTAL FOR IDENTIFICATION.
- a. INDICATE NAME OF FIRM OR ENTITY THAT PREPARED EACH SUBMITTAL ON LABEL OR TITLE BLOCK.
- b. PROVIDE A SPACE APPROXIMATELY 4 BY 5 INCHES (100 BY 125 MM) ON LABEL OR BESIDE TITLE BLOCK TO RECORD CONTRACTOR'S REVIEW AND APPROVAL MARKINGS AND ACTION TAKEN BY ARCHITECT/ENGINEER.
- c. INCLUDE THE FOLLOWING INFORMATION ON LABEL FOR PROCESSING AND RECORDING ACTION TAKEN: PROJECT NAME.
- DATE.
- NAME OF ARCHITECT/ENGINEER. NAME OF CONTRACTOR
- NAME OF SUBCONTRACTOR. NAME OF SUPPLIER.
- NAME OF MANUFACTURER
- UNIQUE IDENTIFIER, INCLUDING REVISION NUMBER. NUMBER AND TITLE OF APPROPRIATE SPECIFICATION SECTION.
- DRAWING NUMBER AND DETAIL REFERENCES, AS APPROPRIATE.
- G. DEVIATIONS: HIGHLIGHT, ENCIRCLE, OR OTHERWISE IDENTIFY DEVIATIONS FROM THE CONTRACT DOCUMENTS ON SUBMITTALS.
- H. TRANSMITTAL: ARCHITECT/ENGINEER WILL RETURN SUBMITTALS, WITHOUT REVIEW, RECEIVED FROM SOURCES OTHER THAN CONTRACTOR.
- a. ON AN ATTACHED SEPARATE SHEET, PREPARED ON CONTRACTOR'S LETTERHEAD, RECORD RELEVANT INFORMATION, REQUESTS FOR DATA, REVISIONS OTHER THAN THOSE REQUESTED BY ARCHITECT/ENGINEER ON PREVIOUS SUBMITTALS, AND DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS, INCLUDING MINOR VARIATIONS AND LIMITATIONS. INCLUDE THE SAME LABEL INFORMATION AS THE RELATED SUBMITTAL.
- b. INCLUDE CONTRACTOR'S CERTIFICATION STATING THAT INFORMATION SUBMITTED COMPLIES WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- I. DISTRIBUTION: FURNISH COPIES OF FINAL SUBMITTALS TO MANUFACTURERS, SUBCONTRACTORS, SUPPLIERS, FABRICATORS, INSTALLERS, AUTHORITIES HAVING JURISDICTION, AND OTHERS AS NECESSARY FOR PERFORMANCE OF CONSTRUCTION ACTIVITIES.
- J. USE FOR CONSTRUCTION: USE ONLY FINAL SUBMITTALS WITH MARK INDICATING ACTION TAKEN BY ARCHITECT/ENGINEER IN CONNECTION WITH CONSTRUCTION.

PART 2 - PRODUCTS 2.1 ACTION SUBMITTALS

- A. GENERAL: PREPARE AND SUBMIT ACTION SUBMITTALS REQUIRED BY CONTRACT DOCUMENTS.
- B. NUMBER OF COPIES: SUBMIT COPIES OF EACH SUBMITTAL, AS FOLLOWS, UNLESS OTHERWISE INDICATED:
- a. INITIAL SUBMITTAL: SUBMIT A PRELIMINARY SINGLE COPY OF EACH SUBMITTAL WHERE SELECTION OF OPTIONS, COLOR, PATTERN, TEXTURE, OR SIMILAR CHARACTERISTICS IS REQUIRED. ARCHITECT/ENGINEER, WILL RETURN SUBMITTAL WITH OPTIONS SELECTED.
- b. FINAL SUBMITTAL: SUBMIT THREE COPIES, UNLESS COPIES ARE REQUIRED FOR OPERATION AND MAINTENANCE MANUALS. SUBMIT FIVE COPIES WHERE COPIES ARE REQUIRED FOR OPERATION AND MAINTENANCE MANUALS. ARCHITECT/ENGINEER WILL RETAIN TWO COPIES; DIVISION 01 GENERAL REQUIREMENTS TENDER DOCUMENTS-SPECIFICATIONS REMAINDER WILL BE RETURNED. MARK UP AND RETAIN ONE RETURNED COPY AS A PROJECT RECORD DOCUMENT.
- C. PRODUCT DATA: COLLECT INFORMATION INTO A SINGLE SUBMITTAL FOR EACH ELEMENT OF CONSTRUCTION AND TYPE OF PRODUCT OR EQUIPMENT.
- D. IF INFORMATION MUST BE SPECIALLY PREPARED FOR SUBMITTAL BECAUSE STANDARD PRINTED DATA ARE NOT SUITABLE FOR USE, SUBMIT AS SHOP DRAWINGS, NOT AS PRODUCT DATA.
- E. MARK EACH COPY OF EACH SUBMITTAL TO SHOW WHICH PRODUCTS AND OPTIONS ARE APPLICABLE
- F. INCLUDE THE FOLLOWING INFORMATION, AS APPLICABLE: a. MANUFACTURER'S WRITTEN RECOMMENDATIONS.
- b. MANUFACTURER'S PRODUCT SPECIFICATIONS. c. MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- d. STANDARD COLOR CHARTS.
- e. MANUFACTURER'S CATALOG CUTS.
- f. WIRING DIAGRAMS SHOWING FACTORY-INSTALLED WIRING. q. PRINTED PERFORMANCE CURVES.
- h. OPERATIONAL RANGE DIAGRAMS.
- i. MILL REPORTS. STANDARD PRODUCT OPERATING AND MAINTENANCE MANUALS.
- k. COMPLIANCE WITH RECOGNIZED TRADE ASSOCIATION STANDARDS.

- G. SHOP DRAWINGS: PREPARE PROJECT-SPECIFIC INFORMATION, DRAWN ACCURATELY TO SCALE. DO NOT BASE SHOP DRAWINGS ON REPRODUCTIONS OF THE CONTRACT DOCUMENTS OR STANDARD PRINTED DATA.
- H. SAMPLES: PREPARE PHYSICAL UNITS OF MATERIALS OR PRODUCTS, INCLUDING THE FOLLOWING:
- a. SAMPLES FOR INITIAL SELECTION: SUBMIT MANUFACTURER'S COLOR CHARTS CONSISTING OF UNITS OR SECTIONS OF UNITS SHOWING THE FULL RANGE OF COLORS, TEXTURES, AND PATTERNS AVAILABLE.
- b. SAMPLES FOR VERIFICATION: SUBMIT FULL-SIZE UNITS OR SAMPLES OF SIZE INDICATED, PREPARED FROM THE SAME MATERIAL TO BE USED FOR THE WORK, CURED AND FINISHED IN MANNER SPECIFIED, AND PHYSICALLY IDENTICAL WITH THE PRODUCT PROPOSED FOR USE, AND THAT SHOW FULL RANGE OF COLOR AND TEXTURE VARIATIONS EXPECTED. SAMPLES INCLUDE. BUT ARE NOT LIMITED TO, THE FOLLOWING: PARTIAL SECTIONS OF MANUFACTURED OR FABRICATED COMPONENTS: SMALL CUTS OR CONTAINERS OF MATERIALS; COMPLETE UNITS OF REPETITIVELY USED MATERIALS; SWATCHES SHOWING COLOR, TEXTURE, AND PATTERN; COLOR RANGE SETS: AND COMPONENTS USED FOR INDEPENDENT TESTING AND INSPECTION
- . PREPARATION: MOUNT, DISPLAY, OR PACKAGE SAMPLES IN MANNER SPECIFIED TO FACILITATE REVIEW OF QUALITIES INDICATED. PREPARE SAMPLES TO MATCH ARCHITECT'S/ENGINEER'S SAMPLE WHERE SO INDICATED. ATTACH LABEL ON UNEXPOSED SIDE THAT INCLUDES THE FOLLOWING:
- GENERIC DESCRIPTION OF SAMPLE. PRODUCT NAME OR NAME OF MANUFACTURER. SAMPLE SOURCE.
- d. ADDITIONAL INFORMATION: ON AN ATTACHED SEPARATE SHEET, PREPARED ON CONTRACTOR'S LETTERHEAD, PROVIDE THE FOLLOWING, AS APPLICABLE:
- SIZE LIMITATIONS. COMPLIANCE WITH RECOGNIZED STANDARDS. AVAILABILITY
- DELIVERY TIME
- e. SUBMIT SAMPLES FOR REVIEW OF KIND, COLOR, PATTERN, AND TEXTURE FOR A FINAL CHECK OF THESE CHARACTERISTICS WITH OTHER ELEMENTS AND FOR A COMPARISON OF THESE CHARACTERISTICS BETWEEN FINAL SUBMITTAL AND ACTUAL COMPONENT AS DELIVERED AND INSTALLED.
- NUMBER OF SAMPLES FOR INITIAL SELECTION: SUBMIT ONE FULL SET OF AVAILABLE CHOICES WHERE COLOR, PATTERN, TEXTURE, OR SIMILAR CHARACTERISTICS ARE REQUIRED TO BE SELECTED FROM MANUFACTURER'S PRODUCT LINE. ARCHITECT/ENGINEER WILL RETURN SUBMITTAL WITH OPTIONS SELECTED.
- g. DISPOSITION: MAINTAIN SETS OF APPROVED SAMPLES AT PROJECT SITE, AVAILABLE FOR QUALITY- CONTROL COMPARISONS THROUGHOUT THE COURSE OF CONSTRUCTION ACTIVITY. SAMPLE SETS MAY BE USED TO DETERMINE FINAL ACCEPTANCE OF CONSTRUCTION ASSOCIATED WITH EACH SFT
- 2.2 INFORMATIONAL SUBMITTALS
- A. GENERAL: PREPARE AND SUBMIT INFORMATIONAL SUBMITTALS REQUIRED BY OTHER SPECIFICATION SECTIONS.
- a. CERTIFICATES AND CERTIFICATIONS: PROVIDE A NOTARIZED STATEMENT THAT INCLUDES SIGNATURE OF ENTITY RESPONSIBLE FOR PREPARING CERTIFICATION. CERTIFICATES AND CERTIFICATIONS SHALL BE SIGNED BY AN OFFICER OR OTHER INDIVIDUAL AUTHORIZED TO SIGN DOCUMENTS ON BEHALF OF THAT ENTITY.
- b. TEST AND INSPECTION REPORTS: COMPLY WITH REQUIREMENTS IN CONTRACT DOCUMENTS.
- B. CONTRACTOR'S CONSTRUCTION SCHEDULE.
- C. MATERIAL TEST REPORTS: PREPARE REPORTS WRITTEN BY A QUALIFIED TESTING AGENCY, ON TESTING AGENCY'S STANDARD FORM, INDICATING AND INTERPRETING TEST RESULTS OF MATERIAL FOR COMPLIANCE WITH REQUIREMENTS.
- D. MAINTENANCE DATA: PREPARE WRITTEN AND GRAPHIC INSTRUCTIONS AND PROCEDURES FOR OPERATION AND NORMAL MAINTENANCE OF PRODUCTS AND EQUIPMENT. COMPLY WITH GENERAL REQUIREMENTS.
- E. MANUFACTURER'S INSTRUCTIONS: PREPARE WRITTEN OR PUBLISHED INFORMATION THAT DOCUMENTS MANUFACTURER'S RECOMMENDATIONS, GUIDELINES, AND PROCEDURES FOR INSTALLING OR OPERATING A PRODUCT OR EQUIPMENT. INCLUDE NAME OF PRODUCT AND NAME, ADDRESS, AND TELEPHONE NUMBER OF MANUFACTURER. INCLUDE THE FOLLOWING, AS APPLICABLE:
- a. PREPARATION OF SUBSTRATES.

INSTALLATION OF PRODUCT.

REQUIREMENTS.

AFFECT WARRANTY.

b. UPDATED CASHFLOW.

f. VARIATION ORDERS.

g. PAYMENT CERTIFICATES.

c. SUBMITTALS LOG.

e. DAILY REPORTS.

DATE OF REPORT PREPARATION.

h. LIST OF PROBLEMS FACED ON SITE.

d. CONSTRUCTION PROGRESS PHOTOGRAPHS.

b. NOTATION OF COORDINATION REQUIREMENTS.

WAS TAKEN.

b. RECOMMENDATIONS FOR CLEANING AND PROTECTION.

SERVICE REPRESENTATIVE MAKING REPORT.

MANUFACTURER'S FIELD REPORTS: PREPARE WRITTEN INFORMATION DOCUMENTING FACTORY-AUTHORIZED SERVICE REPRESENTATIVE'S TESTS AND INSPECTIONS. INCLUDE THE FOLLOWING, AS APPLICABLE:

a. NAME, ADDRESS, AND TELEPHONE NUMBER OF FACTORY-AUTHORIZED

b. STATEMENT ON CONDITION OF SUBSTRATES AND THEIR ACCEPTABILITY FOR

c. STATEMENT THAT PRODUCTS AT PROJECT SITE COMPLY WITH

d. SUMMARY OF INSTALLATION PROCEDURES BEING FOLLOWED, WHETHER THEY COMPLY WITH REQUIREMENTS AND, IF NOT, WHAT CORRECTIVE ACTION

e. RESULTS OF OPERATIONAL AND OTHER TESTS AND A STATEMENT OF WHETHER OBSERVED PERFORMANCE COMPLIES WITH REQUIREMENTS. f. STATEMENT WHETHER CONDITIONS, PRODUCTS, AND INSTALLATION WILL

G. INSURANCE CERTIFICATES AND BONDS: PREPARE WRITTEN INFORMATION INDICATING CURRENT STATUS OF INSURANCE OR BONDING COVERAGE. INCLUDE NAME OF ENTITY COVERED BY INSURANCE OR BOND, LIMITS OF COVERAGE, AMOUNTS OF DEDUCTIBLES, IF ANY, AND TERM OF THE COVERAGE.

H. MONTHLY PROGRESS REPORT: REPORT SHALL INCLUDE THE FOLLOWING: a. SCHEDULE OF PLANNING WITH UPDATES AND CURRENT SITUATION AT THE

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I. COMPLIANCE WITH RECOGNIZED TESTING AGENCY STANDARDS.

a. APPLICATION OF TESTING AGENCY LABELS AND SEALS.

PART 3 - EXECUTION

3.1 CONTRACTOR'S REVIEW

A. REVIEW EACH SUBMITTAL AND CHECK FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. NOTE CORRECTIONS AND FIELD DIMENSIONS. MARK WITH APPROVAL STAMP BEFORE SUBMITTING TO ARCHITECT/ENGINEER.

APPROVAL STAMP: STAMP EACH SUBMITTAL WITH A UNIFORM. APPROVAL STAMP. INCLUDE PROJECT NAME AND LOCATION, SUBMITTAL NUMBER, SPECIFICATION SECTION TITLE AND NUMBER, NAME OF REVIEWER, DATE OF CONTRACTOR'S APPROVAL, AND STATEMENT CERTIFYING THAT SUBMITTAL HAS BEEN REVIEWED. CHECKED, AND APPROVED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

3.2 ARCHITECT'S/ENGINEER'S ACTION

- A. GENERAL: ARCHITECT/ENGINEER WILL NOT REVIEW SUBMITTALS THAT DO NOT BEAR CONTRACTOR'S APPROVAL STAMP AND WILL RETURN THEM WITHOUT ACTION.
- B. ACTION SUBMITTALS: ARCHITECT/ENGINEER WILL REVIEW EACH SUBMITTAL, MAKE MARKS TO INDICATE CORRECTIONS OR MODIFICATIONS REQUIRED, AND RETURN IT. ARCHITECT/ENGINEER WILL ATTACH A COVER LETTER TO EACH SUBMITTAL INDICATING AN ACTION TO BE TAKEN, AS FOLLOWS:
- a. APPROVED. b. APPROVED AS NOTED
- c. REVISE RESUBMIT
- d. REJECTED RESUBMIT.
- C. INFORMATIONAL SUBMITTALS: ARCHITECT/ENGINEER WILL REVIEW EACH SUBMITTAL AND WILL NOT RETURN IT, OR WILL REJECT AND RETURN IT IF IT DOES NOT COMPLY WITH REQUIREMENTS, ARCHITECT/ENGINEER WILL FORWARD EACH SUBMITTAL TO APPROPRIATE PARTY.
- D. SUBMITTALS NOT REQUIRED BY THE CONTRACT DOCUMENTS WILL NOT BE REVIEWED AND MAY BE DISCARDED.

SUBMITTAL REQUIREMENTS

SECTION ITEM

	1: GENERAL
01 33 00	SUBMITTAL PROCEDURES
06 15 10	6: WOOD, PLASTICS, AND COMPOSITES CEDAR DECKING
06 15 10	
06 82 00	
	7: THERMAL AND MOISTURE PROTECTION
07 13 13	BITUMINOUS SHEET WATERPROOFING
07 31 13	ASPHALT SHINGLES ROOFING
07 62 00	SHEET METAL FLASHING AND TRIM
07 63 1	GUTTERS AND DOWNSPOUTS
07 71 00	ROOF SPECIALTIES
07 72 00	ROOF ACCESSORIES
07 92 00	JOINT SEALANTS
	8: DOORS AND WINDOWS
08 14 39	PRE-FINISHED WOOD DOORS & FRAMES
08 16 13	
08 34 30	BIFOLD DOORS
08 53 13	VINYL WINDOWS
08 71 00	DOOR HARDWARE
08 71 10	DOOR HARDWARE SCHEDULE
08 80 00	GLAZING
DIVISION	<u>9: FINISHES</u>
09 29 00	
09 30 13	
	0 MARBLE TILE/WINDOW SILL
09 30 50	TILE SETTING MATERIALS AND SUPPLIES
	RESILIENT BASE & ACCESSORIES
09 90 00	
	PAINT SCHEDULE
	10: SPECIALTIES
10 28 00	TOILET BATH ACCESSORIES
	FIRE EXTINGUISHERS
	12: FURNISHINGS
12 35 30	
12 36 61	
<u>DIVISION</u> 31 31 16	31: EARTHWORK TERMITE CONTROL
212110	

SEE OTHER DISCIPLINES FOR ADDITIONAL REQUIRED SUBMITTALS

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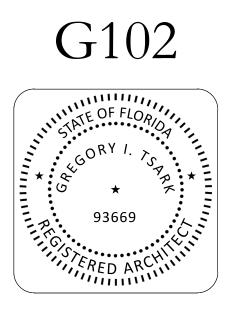
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Description	Date

GENERAL REQUIREMENTS & SUBMITTAL PROCEEDURES

DATE:	12/20/2023
DRAWN BY:	KDB
REVISION:	
SCALE	



DIVISION 3 - CONCRETE

FOUNDATION (SEE STRUCTURAL) DRAWINGS):

A. ALL NOTES, DETAILS, ELEVATIONS, AND SECTIONS SHOWN ON THE DRAWINGS ARE TO BE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN .

B. CONFIRM ALL HORIZONTAL DIMENSIONS WITH OTHER PLANS AND IN FIELD PRIOR TO FABRICATION/CONSTRUCTION

CONCRETE SPLASH BLOCKS

A. PROVIDE PRE-MANUFACTURERED SPLASH BLOCK OF A SIZE AS APPROVED BY THE ARCHITECT OR OWNER

B. MECHANICALLY POLISHED CONCRETE: POLISHED CONCRETE SPECIFICATION

PART I - GENERAL

1.01 SUMMARY, THIS SPECIFICATION INCLUDES THE FOLLOWING: INTERIOR CONCRETE JOINT FILLER, LIQUID DENSIFIER / SEALER AND POLISHING PROCESS

A. GENERAL: DO NOT COMMENCE INSTALLATION OF SEMI-RIGID POLYUREA JOINT FILLER, LIQUID DENSIFIER / SEALER AND POLISHING PROCESSES UNTIL THE BUILDING IS COMPLETELY ENCLOSED, PERMANENT POWER AND LIGHTING IS OPERATING AND THE BUILDING IS THERMOSTATICALLY CONTROLLED. INSTALLATION OF THESE MATERIALS SHALL COMMENCE APROXIMATELY TWO WEEKS PRIOR TO "FIXTURE DATE."

PART II - EXECUTION

2.01 JOINT FILLER INSTALLATION: COMPLY WITH ACI 302 AS APPLICABLE TO MATERIALS, APPLICATIONS, AND CONDITIONS.

A. SURFACE CLEANING OF JOINTS: CLEAN JOINTS IMMEDIATELY BEFORE INSTALLING JOINT FILLER. REMOVE FOREIGN MATERIAL THAT COULD INTERFERE WITH ADHESION OF JOINT FILLER BY BRUSHING, GRINDING, BLAST CLEANING, MECHANICAL ABRADING, OR A COMBINATION OF THESE METHODS TO PRODUCE A CLEAN. SOUND SUBSTRATE CAPABLE OF DEVELOPING OPTIMUM BOND WITH JOINT FILLER. REMOVE LOOSE PARTICLES REMAINING FROM ABOVE CLEANING OPERATIONS BY VACUUMING OR BLOWING OUT JOINTS WITH OIL-FREE COMPRESSED AIR. ALSO REMOVE ALL LAITENCE AND FORM-RELEASE AGENTS FROM CONCRETE SURFACE, CLEAN NONPOROUS SURFACES WITH CHEMICAL CLEANERS OR OTHER MEANS THAT DO NOT STAIN, HARM SUBSTRATES, OR LEAVE RESIDUES COULD INTERFERE WITH ADHESION OF JOINT SEALANTS. ALL SURFACES TO BE FILLED SHALL BE CLEAN AND DRY.

B. MIXING: JOINT FILLER IS A TWO-PART PRODUCT REQUIRING MACHINE MIXING AND PLACING.PREMIX PART "B" SEPARATELY BEFORE USING. FOLLOW PUMP MANUFACT URER'S EQUIPMENT INSTRUCTIONS.

C. PLACEMENT: FOR PROPER LOAD TRANSFER, JOINTS MUST BE FILLED FULL DEPTH, BUT IN NO CASE SHOULD THE JOINT FILLER BE ANY LESS THAN 1" DEEP IN THE JOINT. NO BACKER ROD IS ALLOWED. JOINTS SHOULD BE OVERFILLED AND SHAVED LEVEL WITH THE SURFACE, GIVING THE FLOOR JOINTS A FLAT, SMOOTH APPEARANCE.

D. JOINT FILLER SEPARATION: THE APPROVED JOINT FILLING APPLICATOR SHALL INCLUDE IN THEIR BID A COST PER LINEAR FOOT TO MAKE ONE RETURN TRIP TO REFILL JOINTS IF JOINT FILLER SIDEWALL SEPARATION OR SPLITTING EXCEEDS 1/16," OR IF SURFACE PROFILE IS CONCAVE, CHATTERED OR IF VOIDS OCCUR. THIS SHALL TAKE PLACE ONE WEEK PRIOR TO GRAND OPENING, OR AT OWNER'S REQUEST.

2.02 INITIAL CLEANING FOR LIQUID DENSIFIER AND SEALER APPLICATION: THOROUGHLY CLEAN THE INTERIOR SALES FLOOR SLAB PRIOR TO THE INITIAL APPLICATION OF LIQUID DENSIFIER/SEALER AND POLISHING PROCESS. COMPLETELY REMOVE THE REMNANTS OF THE DISSIPATING OR REMOVABLE CURING COMPOUND FROM THE FLOOR SURFACE. THE FOLLOWING FLOOR STRIPPER OR REMOVAL SOLUTION SHALL BE APPLIED TO THE FLOOR AT THE PROPER RATIO TO THOROUGHLY STRIP, CLEAN AND REMOVE ALL CURING COMPOUND RESIDUE:

I. KUREZ DR VOX (SLAB FIRST): EUCLID "EUCO CLEAN & STRIP" 1. KUREZ RC (SLAB LAST): EUCLID "KUREZ OFF"

2.03 POLISHING PROCESS AND APPLICATION OF LIQUID DENSIFIER / SEALER: PRIOR TO APPLICATION, INSPECT INTERIOR SALES FLOOR SLAB TO ENSURE THAT SLAB IS CLEAN AND FREE OF DUST, GREASE, OILS, OR OTHER CONTAMINANTS THAT MIGHT PROHIBIT THE PROPER APPLICATION AND PENETRATION OF THE LIQUID DENSIFIER AND SEALER.

1. THE FOLLOWING PROCESS IS PROVIDED AS A GUIDE. MANY FACTORS, INCLUDING, BUT NOT LIMITED TO INTERIOR FLOOR SLAB FINISH, HARDNESS AND FLATNESS WILL DETERMINE THE INITIAL DIAMOND TOOLING, INCLUDING ADDITIONAL GRINDING AND/OR POLISHING OPERATIONS REQUIRED TO MEET THE REQUIREMENTS SPECIFIED HEREIN. THE APPROVED APPLICATOR SHALL PROVIDE A TEST POLISH, INCLUDING APPLICATION OF LIQUID DENSIFIER/SEALER TO A DESIGNATED AREA OF THE INTERIOR FLOOR SLAB, USING THE SAME FOUIPMENT TOOLS AND METHODS AS WILL BE USED TO POLISH THE INTERIOR FLOOR SLAB. FLOOR POLISHING AND APPLICATION OF LIQUID DENSIFIER/SEALER SHALL NOT COMMENCE UNTIL GENERAL CONTRACTOR HAS ACCEPTED THE POLISHED INTERIOR FLOOR TEST SLAB.

A. STEP ONE: USING EQUIPMENT WITH SUFFICIENT HEAD PRESSURE (≥ 150 PSI), THOROUGHLY CLEAN THEN GRIND CONCRETE FLOOR WITH A COMBO SET OF 60 GRIT RESIN BOND DIAMONDS AND 100 GRIT RESIN BOND DIAMONDS (NOT PADS). EACH PASS MUST OVERLAP 50% OF THE PREVIOUS PASS. GRIND THE CONCRETE FLOOR AT A RATE TO ALLOW FOR AN EVEN SCRATCH PATTERN. CLEAN FLOOR THOROUGHLY AFTER THIS PASS.

B. STEP TWO: APPLY EUCLID DIAMOND HARD LIQUID DENSIFIER / SEALER AT 225 SQUARE FEET PER GALLON.

C. STEP THREE: USING EQUIPMENT WITH SUFFICIENT HEAD PRESSURE (≥ 150 PSI) POLISH CONCRETE FLOOR WITH A COMBO SET OF 100 GRIT RESIN BOND DIAMONDS AND 200 GRIT RESIN BOND DIAMONDS (NOT PADS). EACH PASS MUST OVERLAP 50% OF THE PREVIOUS PASS. POLISH THE CONCRETE FLOOR AT A RATE TO ALLOW FOR AN EVEN SCRATCH PATTERN. CLEAN FLOOR THOROUGHLY AFTER THIS PASS.

D. STEP FOUR: USING EQUIPMENT WITH SUFFICIENT HEAD PRESSURE (≥ 150 PSI) POLISH CONCRETE FLOOR WITH 400 GRIT RESIN BOND DIAMONDS (NOT PADS). EACH PASS MUST OVERLAP 50% OF THE PREVIOUS PASS. POLISH THE CONCRETE FLOOR AT A RATE TO ALLOW FOR AN EVEN SCRATCH PATTERN. CLEAN FLOOR THOROUGHLY AFTER THIS PASS.

E. STEP FIVE: APPLY EUCLID DIAMOND HARD LIQUID DENSIFIER / SEALER AT 700 SQUARE FEET PER GALLON

F. STEP SIX: BURNISH / POLISH CONCRETE FLOOR WITH 800 GRIT DIAMOND IMPREGNATED PADS

G. STEP SEVEN: BURNISH / POLISH CONCRETE FLOOR WITH 1500 GRIT DIAMOND IMPREGNATED PADS.

1. POLISH RESULTS: PERFORM POLISHING PROCESS TO REACH A SPECIFIED OVERALL GLOSS VALUE (SOGV) OF ≥35 AS MEASURED WITH A HORIBA IG-320, AND A SPECIFIED MINIMUM GLOSS READING (SMGV) OF 30. THE APPROVED APPLICATOR SHALL TAKE FOUR GLOSS MEASUREMENT READINGS AT 90° FROM EACH OTHER, AND THEN AVERAGED FOR ONE READING AT EACH LOCATION, A MINIMUM OF 25 READINGS SHALL BE TAKEN THROUGHOUT THE INTERIOR SALES FLOOR. THE OVERALL MEASUREMENT SHALL BE REPORTED TO GENERAL CONTRACTOR WITHIN 24 HOURS OF THE POLISHING PROCESS. GLOSS SHALL BE CONSIDERED A QUANTITATIVE VALUE THAT EXPRESSES THE DEGREE OF REFLECTION WHEN LIGHT HITS THE CONCRETE FLOOR SURFACE. GLOSS MEASUREMENTS WILL BE TAKEN INDEPENDENT OF AMBIENT LIGHTING AND WILL BE TAKEN WITHIN A SEALED MEASUREMENT WINDOW LOCATED BENEATH THE TEST UNIT.

DIVISION 6 - WOOD AND CABINETRY

WOOD BLOCKING

A. BLOCKING SHALL BE 2X (OR AS NOTED) AND PRESERVATIVE TREATED WHEN IN CONTACT WITH MASONRY OR EXPOSED TO WEATHER. PRESERVATION TREATMENT SHALL CONFORM TO REQUIREMENTS OF AWPA, STANDARD U1 AND M4 FOR THE SPECIES PRODUCT END USE AND PRESERVATIVE TYPE.

B. ROOF EDGE BLOCKING: ALL BLOCKING FOR ROOF EDGES SHALL BE FRT AND ANCHORED PER FBC (LATEST EDITION) - TEST STANDARDS AND RAS-111.

INTERIOR WOOD TRIM:

A. FINISH WOOD DOOR, WINDOW AND WALL BASE TRIM MATERIALS SHALL BE PAINT GRADE COMPOSITE WOOD OR PVC.

GUTTERS AND DOWNSPOUTS

A GUTTERS TO BE MADE OF .040 ALUMINUM OR THICKER AS RECOMMENDED BY THE MANUFACTURER FOR THE USE AND LOCATION AND MOUNTED ON SURFACE OF EAVE OF BUILDING WHERE INDICATED ON THE DRAWINGS, SECURELY ANCHORED AND SEALED TO THE SUBSTRATE TO PREVENT LEAKAGE AND DAMAGE DUE TO WIND. ATTACHMENT SHALL MEET THE REQUIREMENTS OF LOCAL APPLICABLE BUILDING CODES.

B. DOWNSPOUTS TO BE SQUARE (4"X4" UNLESS NOTED OTHERWISE), MADE OF .040 ALUMINUM (KYNAR FINISH) AND MOUNTED BRACKETS AND STRAP OF THE SAME MATERIALS SECURELY ATTACHED TO THE BUILDING TO MEET THE REQUIREMENTS OF LOCAL APPLICABLE BUILDING CODES. FASTENERS SHALL BE OF A NON-CORROSIVE TYPE COMPATIBLE WITH THE MATERIALS.

C. PRIOR TO FABRICATION. THE CONTRACTOR FOR THIS WORK SHALL VISIT THE PROJECT TO OBSERVE THE STATUS OF CONSTRUCTION AND THE CONDITION OF THE SUBSTRATE.

1. THE CONTRACTOR FOR THIS WORK SHALL BE RESPONSIBLE FOR OBTAINING DIMENSIONS FOR FABRICATION OF THE MATERIALS.

2. ONCE FABRICATION AND INSTALLATION COMMENCES, IT WILL BE UNDERSTOOD THAT THE INSTALLER FOR THIS WORK ACCEPTS THE CONDITION OF THE SUBSTRATE TO RECEIVE THE SPECIFIED MATERIALS.

DIVISION 7- THERMAL AND MOISTURE PROTECTION

SEALANTS

A. EXTERIOR "GENERAL" SEALANTS SHALL BE A URETHANE PRODUCT (EQUAL TO SONNERBORN NP-1) TEST SAMPLE AREA TO ASSURE COMPATIBLE WITH ADJACENT MATERIALS AND PAINTABLE

B. REFER TO MANUFACTURED SYSTEMS FOR SEALANT TYPE RECOMMENDED BY MANUFACTURER

C. MISCELLANEOUS MATERIALS SHALL INCLUDE BACKER RODS FOR A WEATHER TIGHT SYSTEM.

D. SEE DIVSION 9 FOR INTERIOR SEALANT (CAULK). ATTIC INSULATION:

A. FURNISH AND INSTALL OWENS CORNING BLOWN-IN "PINK" FIBERGLASS INSULATION OF A UNIFORM THICKNESS TO ACHIEVE R-30 (MIN.) IN ATTIC ABOVE THE GYPSUM BOARD CEILING, CONTINUOUS OVER AIR-CONDITIONED SPACES.

RIGID WALL INSULATION:

A. FURNISH & INSTALL NOMINAL 1 1/2" THICK CLOSED CELL FOAM INSULATION BOARD TIGHT AND CONTINUIOUS ON INSIDE OF EXTERIOR WALLS FURRED SPACE USING METAL 'Z' FURRING FOR ATTACHMENT, FILL VOIDS WITH FOAM INSULATION ROOF SHINGLES:

A. BASIS OF DESIGN IS THE CERTAINTEED "LANDMARK PREMIUM" PRODUCT WITH

A 50 YEAR PRODUCT WARRANTY AND HAS A 130 MPH WIND RATING. B. SHINGLES SHALL BE INSTALLED OVER WATER MEMBRANE UNDERLAYMENT OF 60 MIL (MIN.) PEEL-N-STICK PROPERLY LAPPED SHALL BE INSTALLED OVER A BASE SHEET UNDERLAYMENT. PRODUCT BASIS IS THE POLYGLASS POLYSTICK IR-XE

FASCIA AND SOFFITS:

A. PREFABRICATED ALUMINUM MATERIAL WITH BAKED ENAMEL PAINT FINISH SOFFIT SHALL BE CONTINUOUSLY PERFORATED FOR VENTILATION, ATTACH PER MFG TO MEET CODES. ALUMINUM FASCIA SHALL WRAP THE 2 X SUBFASCIA BOARD .

DAMPPROOFING:

A. FURNISH AND INSTALL A BITUMINOUS COMPOUND TO EXTERIOR SIDE OF EXTERIOR MASONRY WALLS IN CONTINUOUS SMOOTH COATING FROM TOP OF TIE-BEAM TO FOOTING AND AROUND ALL OPENINGS PRIOR TO INSTALLING FURRING AND RIGID INSULATION.

FLASHING:

A. METAL FLASHINGS: FURNISH AND INSTALL 0.0400"ALUMINUM OR 22 GAGE STAINLESS STEEL FLASHING MATERIALS WHERE NOTED OR DETAILED OR REQUIRED TO PROVIDE LEAK-FREE TRANSITION OF MATERIALS.

B. FLASHING GAGE AND ATTACHMENT SHALL COMPLY WITH FBC (LATEST EDITION) TEST PROTOCOL MANUAL (RAS-111).

ARCHITECTURAL SPECIFICATIONS

DIVISION 8 - DOORS AND WINDOWS

EXTERIOR FIBERGLASS DOORS:

A. BASIS OF DESIGN ARE PRODUCTS BY BELLVILLE ® OR APPROVED EQUAL B. PROVIDE 6-PANEL INSULATED, HURRICANE RATED, FIBERGLASS DOORS.

C. PRIME DOORS FOR FIELD PAINT.

D. MANUFACTURER OF THE DOOR-FRAME UNIT SHALL SUBMIT TEST DATA WHICH MEETS THE CURRENT REQUIREMENTS OF THE LATEST BUILDING CODE FOR WIND PRESSURES AND WIND-BORNE DEBRIS

E. ANCHOR DOOR FRAME TO MASONRY IN ACCORDANCE WITH THE MFG RECOMMENDATIONS & TESTS TO MEET CODES.

F. PROVIDE WEATHER STRIPPING AT EXTERIOR DOORS.

G. DOORS TO BE PRE-HUNG ON WOOD FRAMES

MASONITE ® INTERIOR DOORS:

A. BASIS OF DESIGN IS MASONITE ® 6-PANEL OR EQUAL

B. DOORS SHALL BE 1-3/4" THICK WITH MEDIUM STILE

C. PRIME DOORS FOR FIELD PAINT.

FINISH DOOR HARDWARE:

D. DOORS TO BE PRE-HUNG ON WOOD FRAMES

A. EXTERIOR DOORS: PROVIDE COMMERCIAL GRADE PRODUCTS AS IDENTIFIED ON THE PLANS AND IN THE DOOR HARDWARE SCHEDULE.

B. INTERIOR DOORS: PROVIDE COMMERCIAL GRADE PRODUCTS AS IDENTIFIED ON THE PLANS AND IN THE DOOR HARDWARE SCHEDULE.

WINDOWS: A. BASIS OF DESIGN IS PGT ® - SH5500

B. FRAMES TO BE WINDGUARD ® VINYL, WHITE

C. GLASS TO BE CLEAR, HURRICANE RATED, HIGH PERFORMANCE LOW E COATING, NO GRID FEATURES AND STANDARD 1816 CHARCOAL SCREEN

D. MANUFACTURER OF THE WINDOW UNIT SHALL SUBMIT TEST DATA WHICH MEETS THE CURRENT REQUIREMENTS OF THE LATEST BUILDING CODE FOR WIND PRESSURES AND WIND-BORNE DEBRIS.

DIVISION 9 - FINISHES

INTERIOR FRAME WALLS:

A. PRODUCTS FOR NON-LOAD BEARING PARTITION WALLS SHALL BE NO. 2 SOUTHERN YELLOW PINE.

B. FURNISH AND INSTALL NEW NOMINAL 4" OR 6" WOOD STUDS TO PRESSURE TREATED BASE PLATE AND DOUBLE CAP PLATE AT 16" ON CENTER (UNLESS NOTED OTHERWISE).

C. FURNISH AND INSTALL 5/8" THICK STANDARD, MOISTURE RESISTANT, FIRE RATED (TYPE 'X') OR ABUSIVE RESISTANT GYPSUM WALLBOARD AND ACCESSORIES AS DETAILED AND REQUIRED TO PROVIDE A COMPLETED WORK PRODUCT INCLUDING CORNER BEADS, 'J' BEAD EDGES, ETC.

D. TAPE AND MUD TO RECEIVE A SPRAYED ON ORANGE PEEL TEXTURE (OR OTHER TEXTURE AS AGREED BY THE ARCHITECT). FOR PAINTED WALLS/CEILINGS

ACOUSTICAL INSULATION:

A. PROVIDE A MINERAL WOOL PRODUCT TO COMPLY WITH ASTM, AND AS INDICATED IN PARTITION TYPE DETAILS. INSTALL WITHIN CAVITY OF 3-1/2" (MIN.) THICKNESS BY WIDTH TO FILL STUDS/JOISTS.

DRYWALL CEILING:

A. INSTALL 5/8" THICK GYPSUM BOARD CEILING ON TRUSS FRAMING PER USG REQUIREMENTS.

B. TAPE, MUD AND FINISH WITH TEXTURE ACCEPTABLE.

SOLID SURFACE (WHERE INDICATED):

A. MATERIAL: SOLID ACRYLIC PLASTIC AND RESINS, I.E., CORIAN, FORMSTONE OR SOLID POLYESTER COMPOSITION, I.E., AVONITE, SURELL

B. PROVIDE SOLID SURFACE COUNTERTOPS WITH BACKSPLASH AND WITH OR WITHOUT INTEGRAL SINK BOWLS WHERE IDENTIFIED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

C. COLOR AND BOWL STYLE PER THE OWNER. PREP VANITIES TO RECEIVE FAUCETS, FITTINGS & ACCESSORIES. TOPS SHALL BE SECURED TO THE BASE STRUCTURE.

PVC WALL BASE:

A. MANUFACTURERS: PROVIDE 3 1/4" PVC BASE AS PRODUCED BY A SINGLE MANUFACTURER, INCLUDING RECOMMENDED PRIMERS, ADHESIVES, AND PAINTS. BASIS OF DESIGN: ROYAL BUILDING PRODUCTS 5523 WHITE COLONIAL BASE MOULDING. USE MDF BASE AS ADD ALTERNATE.

C. ADHESIVES (CEMENTS): WATERPROOF, STABILIZED TYPE TO SUIT MATERIAL AND SUBSTRATE CONDITIONS. BASIS OF DESIGN: LIQUID NAIL

D. INSTALLATION: CLEAN ALL SURFACES AND FILL SMALL CRACKS, HOLES, AND DEPRESSIONS IN WALLS.

2. ADHERE TO WALL SUBSTRATES USING FULL SPREAD OF ADHESIVE APPLIED.

STUCCO:

A. PROVIDE A 3-COAT STUCCO FINISH TO THE NEW EXTERIOR MASONRY WALLS WHICH ARE A PART OF THIS WORK. PRODUCTS AND INSTALLATION SHALL COMPLY WITH ASTM.

B. PROVIDE NEW PVC ACCESSORIES AT LOCATION CORNERS, CONTROL JOINTS AND REVEALS.

CERAMIC TILE:

A. FLOOR TILE SHALL BE A 10"X14" DAL PORCELAIN TILE PRODUCT. INSTALL ON CONCRETE OR MUD BED PER TCA STANDARDS. PROVIDE EPOXY GROUT AT TOILET ROOMS.

CAULKING:

A. PROVIDE NEW LATEX BASED, LOW VOC, CAULKING AT JOINTS BETWEEN CHANGES IN MATERIALS (I.E. WALLS AT DOORS, WINDOWS AND FRAMES. BUILT-IN CABINETS, ETC).

DIVISION 9 - FINISHES CONT.

PAINTING:

A. BASIS OF DESIGN FOR ALL PAINT PRODUCTS ARE THOSE PRODUCED BY VALSPAR FOR EXTERIOR AND BEHR FOR INTERIOR OR EQUAL.

B. PROVIDE 2 COATS OF PREMIUM PAINT ON PRIMER/SEALER AT ALL WALLS, DOORS, TRIM AND SURFACE WHICH ARE NOT FACTORY FINISHED. COLOR AND SHEEN SHALL BE PER OWNER'S SELECTION.

C. EXTERIOR PAINT

1. PRIMER COATS: MASONRY/CONCRETE/STUCCO: VALSPAR INTERIOR/EXTERIOR BONDING WATERBASE PRIMER

2. FINISH COATS:

FIBERGLASS DOORS/MASONRY/CONCRETE/STUCCO: TWO COATS OF PRO INDUSTRIALSEMI-GLOSS EXTERIOR LATEX COATING (APPLY AT 5-7 MILS WET).

D. INTERIOR PAINT

1. PRIMER COATS:

DRYWALL: BEHR DRYWALL PLUS PRIMER & SEALER NO. 73 2. FINISH COATS:

DRYWALL/DOORS/BASE/TRIM: BEHR INTERIOR SEMI GLOSS ENAMEL PAINT NO. 3050

E. PREPARATION FOR ALL PAINTED SURFACES SHALL BE PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

H. NEW INTERIOR DRYWALL SHALL BE PRIMED BEFORE RECEIVING TWO FINISH COATS OF PREMIUM ACRYLIC SEMI-GLOSS WALL PAINT.

G. NEW INTERIOR DOOR FRAMES SHALL RECEIVE TWO COATS OF WATER BASED ENAMEL PAINT OVER MANUFACTURE APPLIED PRIMER.

DIVISION 10 - SPECIALTIES

TOILET ACCESSORIES:

BASIS OF DESIGN SHALL BE AS INDICATED ON PLANS. SEE ACCESSORIES SCHEDULE ON SHEET A701. ALL ACCESSORIES TO BE CONTRACTOR PROVIDED AND INSTALLED.

FIRE EXTINGUISHERS:

A. PROVIDE THE FOLLOWING NEW EXTINGUISHERS, BRACKETS THROUGHOUT PROJECT WHERE IDENTIFIED ON THE LIFE SAFETY PLAN.

MULTI-PURPOSE USE, CLASS A, B, AND C FIRES.

DIVISION 11 - EQUIPMENT

KITCHEN EQUIPMENT

A. NEW EQUIPMENT IS CONTRACTOR PURCHASED AND INSTALLED.

DIVISION 12 - FURNISHINGS

CABINETRY:

A. PRODUCTS SHALL BE AWI QUALITY AND NON-FACE FRAME AS MANUFACTURED BY A COMPANY WITH 5 YEARS MINIMUM EXPERIENCE AT FABRICATION OF SAME PRODUCTS.

B. PRODUCTS SHALL BE:

1. 5 PIECE MITERED FOR EXPOSED TO VIEW DOORS AND CASES BALANCED ON INTERIOR WITH NATURAL FINISH.

2. COUNTERTOP SHALL BE ACRYLIC SOLID SURFACE, CORIAN OR EQUAL

C. EXPOSED EDGES SHALL BE A MINIMUM 3MM EDGE BANDING WITH EASED EDGES AND COLOR TO MATCH THE NATURAL LOOK.

D. BASE SHALL BE FRAMELESS

E. BACK SHALL BE 1/4" THICK PLYWOOD PRE-FINISHED WITH NATURAL LOOK.

F. HARDWARE TO INCLUDE:

1. BLUM, SOFT CLOSE, 6-WAY ADJUSTABLE .095" THICK STEEL WITH DULL CHROME.

2. SHELF SUPPORT OF SELF LOCKING NYLON DESIGNED FOR INSTALLATION INTO PRE-DRILLED HOLES WITHIN CABINET INTERIOR.

3. PULLS AT 3" LONG X 1/4" DIAMETER ALUMINUM WITH BRUSHED NICKLE FINISH TO MATCH HINGES.

4. DRAWER GLIDES TO BE UNDEMOUNT TYPE FOR REGULAR DRAWERS WHICH SHALL BE SELF-CLOSING FROM A FOUR (4) INCH EXTENSION.

6. EACH GUIDE SHALL HAVE A MINIMUM LOAD CAPACITY OF ONE HUNDRED (100) LBS. AND BE OF ZINC COATED COLD ROLLED STEEL.

G. PROVIDE 2-BY BACKING FOR MISC. DETAILS (SEE DRAWINGS) AND BACK BLOCKING IN WALLS FOR WALL HUNG ITEMS; I.E. CABINETRY, PLUMBING, TOILET ACCESSORIES, FIXTURES, GRAB BARS, ETC.

DIVISION 32 - EXTERIOR IMPROVEMENTS

SOIL POISONING

A. FURNISH & INSTALL CHEMICAL POISONING OF SOIL FOR SUBTERRANEAN TERMITES BENEATH CONCRETE SLABS AND PADS OF BUILDING A DIRECTLY ADJACENT THERETO, IN ACCORDANCE WITH FLORIDA BUILDING CODE .

B. UTILITIES: SEE CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.

LANDSCAPE:

A. IF PLANS DO NOT INCLUDE SUFFICIENT DETAILS CONTRACTOR SHALL PROVIDE TREES. SHRUBS AND SEEDING AND/OR SOD IN KEEPING WITH THE PLANS AND THE LOCAL ORDINANCES.

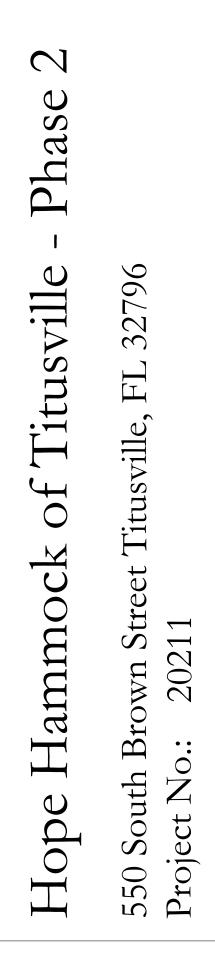
B BASIS OF DESIGN SHALL BE J.L. INDUSTRIES MODEL NO J-2#5 FOR

C. NEW BRACKETS SHALL BE A STRAP HELD LEDGER TYPE HANGER.

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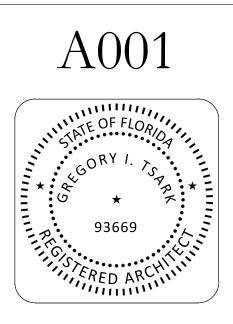
1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

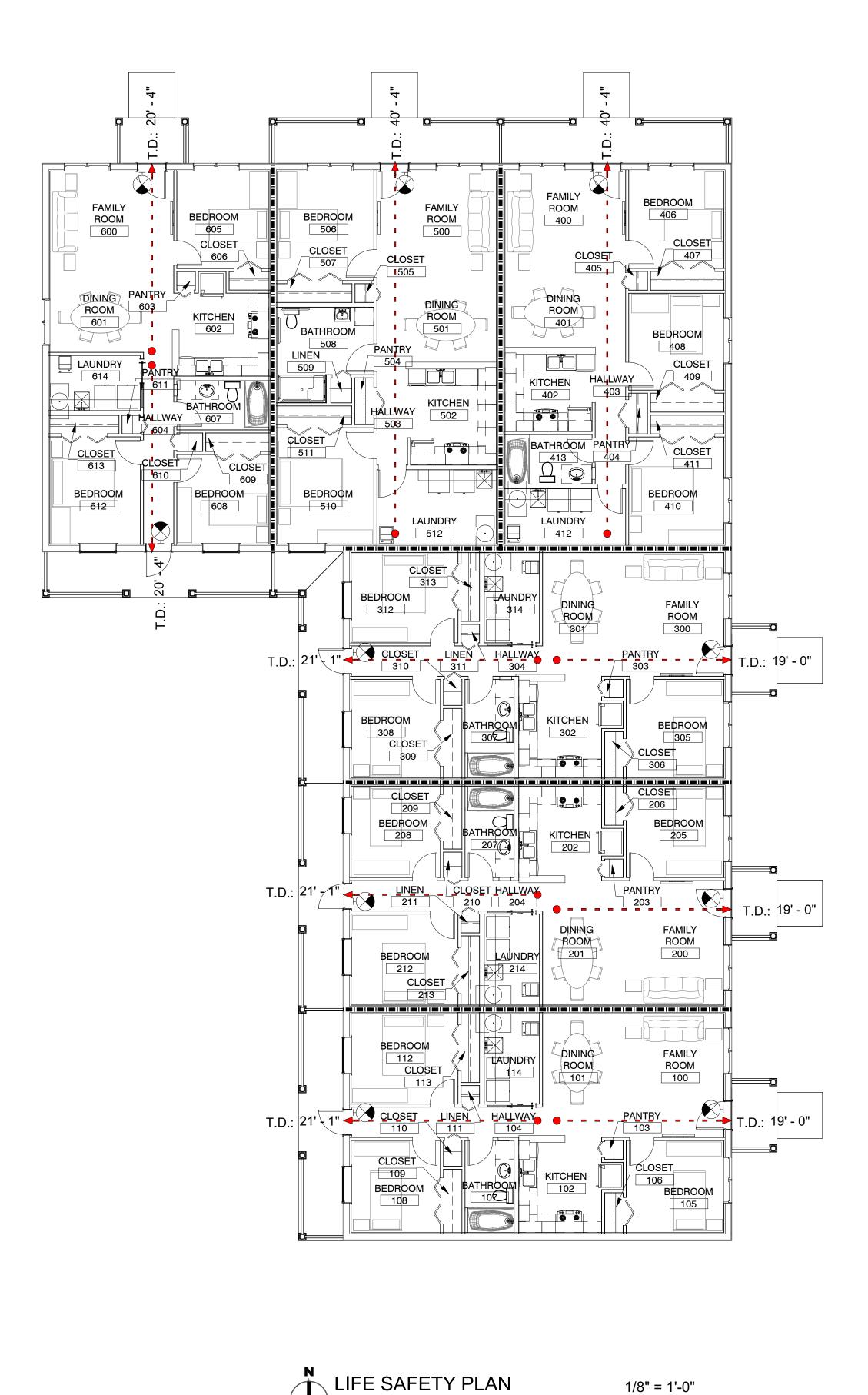


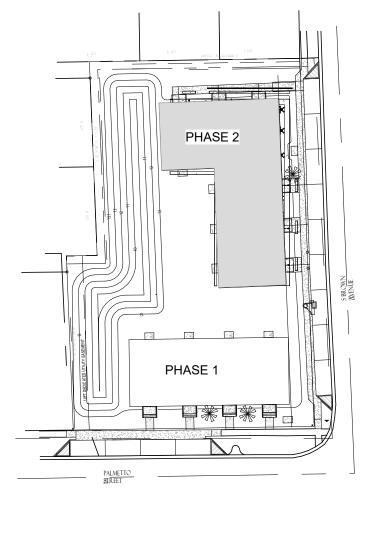
Description	Date

ARCHITECTURAL **SPECIFICATIONS**

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	







KEY PLAN PHASE 2

	TY NOTES				
		FOR REVIEW PURPOSES ONLY. SE TED PARTITION TYPES.	E FLOOR		
2. CONSTRUCT FIRE- ABOVE.	RATED WALLS TIC	GHT AGAINST THE FLOOR OR ROC	DF DECK		
3. ALL RATED ASSEM CONSTRUCTION.	BLIES SHALL BE N	IAINTAINED THROUGHOUT ALL S	TAGES OF	TS/	R
LIFE SAFE1	Y LEGEN	1D		ARCHIT	
	1 HOUR FIRE E	BARRIER		Tsark Archi 1990 W. New Hav Melbourne, I	ven Ave., Su
T.D.: 1' - 0"	TRAVEL DISTA	NCE EGRESS PATH		-	41-6378
€H	WALL MOUNT	ED EXIT SIGN			
🕞 F.E.	FIRE EXTINGU CLASS 2A:10B	IISHER - BRACKET MOUNTED, :C			
PROJECT I					
OCCUPANCY CLASSIFIC	ATION:				
RESIDENTIAL GROUP	R-2			\sim	
CONSTRUCTION CLASSI	FICATION:			O	
TYPE VB				has	
GROSS BUILDING AREA				Ď_	
6,304 SF					
FINISHES: CHAPTER 8: INTERIOR FI REQUIRED PER TABLE 8	03.11			vill	32796
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GROUP R-2: C	C TO BE CLASS A, A		S FOR FLAME	itus	FL
GROUP R-2: C ALL INTERIOR FINISHES SPREAD AND SMOKE DE OCCUPANT L	C TO BE CLASS A, A VELOPED.	C ND WILL EXCEED CODE MINIMUM		Titus	Η
GROUP R-2: C ALL INTERIOR FINISHES SPREAD AND SMOKE DE	C TO BE CLASS A, A VELOPED.	C		of Titus	Η
GROUP R-2: C ALL INTERIOR FINISHES SPREAD AND SMOKE DE OCCUPANT L Code Space Function Key	C TO BE CLASS A, A VELOPED. OAD NIT 100 - 4 PEOPL NIT 200 - 4 PEOPL NIT 300 - 4 PEOPL NIT 300 - 4 PEOPL NIT 400 - 4 PEOPL NIT 500 - 3 PEOPL	C ND WILL EXCEED CODE MINIMUM Area Code Floor Area per Occ 6304 SF 6304 SF E E E E E E E E	Occupant Count 30	ock of Titus	, 1
GROUP R-2: C ALL INTERIOR FINISHES SPREAD AND SMOKE DE OCCUPANT LOAD FOR U OCCUPANT LOAD FOR U	C TO BE CLASS A, A EVELOPED. DAD	C ND WILL EXCEED CODE MINIMUM Area Code Floor Area per Occ 6304 SF 6304 SF E E E E E E E E E E	Occupant Count 30	mock of Titus	Street Titusville, FL
GROUP R-2: C ALL INTERIOR FINISHES SPREAD AND SMOKE DE OCCUPANT LOAD FOR U OCCUPANT LOAD FOR U	C TO BE CLASS A, A EVELOPED. DAD NIT 100 - 4 PEOPL NIT 200 - 4 PEOPL NIT 200 - 4 PEOPL NIT 300 - 4 PEOPL NIT 400 - 4 PEOPL NIT 500 - 3 PEOPL NIT 600 - 4 PEOPL NIT 600 - 4 PEOPL	C ND WILL EXCEED CODE MINIMUM Area Code Floor Area per Occ 6304 SF 6304 SF E E E E E E E E E E E E E E E E E E	Occupant Count 30	nmock of Titus	n Street Titusville, FL
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GROUP R-2: C ALL INTERIOR FINISHES SPREAD AND SMOKE DE OCCUPANT LOAD FOR U OCCUPANT LOAD FOR U MAXIMUM COMMON PAT MAXIMUM TRAVEL DISTA GROUP R-2: 250'	C TO BE CLASS A, A VELOPED. DAD	C ND WILL EXCEED CODE MINIMUM Area Code Floor Area per Occ 6304 SF 6304 SF E E E E E E E E E E E E E E E E E E	Occupant Count 30	Hammock of Titus	Brown Street Titusville, FL
GROUP R-2: C ALL INTERIOR FINISHES SPREAD AND SMOKE DE OCCUPANT SMOKE DE Code Space Function Key (none) OCCUPANT LOAD FOR U OCCUPANT LOAD FOR U OC	C TO BE CLASS A, A VELOPED. OAD NIT 100 - 4 PEOPL NIT 200 - 4 PEOPL NIT 200 - 4 PEOPL NIT 300 - 4 PEOPL NIT 400 - 4 PEOPL NIT 600 - 2 EXIT ANCE: PER DWELLING U PER DWELLING U PER DWELLING U PER DWELLING U	C ND WILL EXCEED CODE MINIMUM Area Code Floor Area per Occ 6304 SF 6304 SF E E E E E E CO"/PERSON) TS INIT 1 FIXTURE REQUIRED	Occupant Count 30	pe Hammock of Titus	Brown Street Titusville, FL
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GROUP R-2: C ALL INTERIOR FINISHES SPREAD AND SMOKE DE OCCUPANT SMOKE DE OCCUPANT LOAD FOR U OCCUPANT LOAD FOR U NAXIMUM TRAVEL DISTA GROUP R-2: 250'	C TO BE CLASS A, A VELOPED. OAD NIT 100 - 4 PEOPL NIT 200 - 4 PEOPL NIT 200 - 4 PEOPL NIT 300 - 4 PEOPL NIT 500 - 3 PEOPL NIT 600 - 4 PEOPL MINIMUM MET (0.2 H: 125' FOR 2 EXIT NCE: PER DWELLING U PER DWELLING U PER DWELLING U PER DWELLING U PER 20 DWELLING U	C ND WILL EXCEED CODE MINIMUM Area Code Floor Area per Occ G304 SF G304 SF E E E E CO"/PERSON) TS INIT 1 FIXTURE REQUIRED G UNITS 1 FIXTURE REQUIRED	Occupant Count 30	Hammock of 7	Brown Street Titusville, FL
GROUP R-2: C ALL INTERIOR FINISHES SPREAD AND SMOKE DE OCCUPANT SMOKE DE OCCUPANT LOAD FOR U OCCUPANT LOAD	C TO BE CLASS A, A VELOPED. OAD NIT 100 - 4 PEOPL NIT 200 - 4 PEOPL NIT 200 - 4 PEOPL NIT 300 - 4 PEOPL NIT 500 - 3 PEOPL NIT 600 - 4 PEOPL MINIMUM MET (0.2 H: 125' FOR 2 EXIT NCE: PER DWELLING U PER DWELLING U PER DWELLING U PER DWELLING U PER 20 DWELLING U	C Area Code Floor Area per Occ G304 SF G304 SF E E E E E E E E E E E E E E E E E E E	Occupant Count 30 30 30	Hammock of 7	50 South Brown Street Titusville, FL

1 PER DWELLING UNIT

1 PER DWELLING UNIT

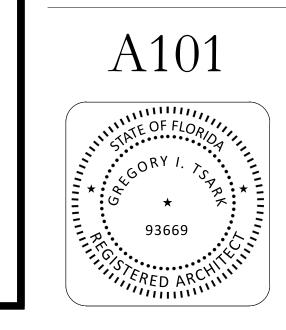
BATHROOM SINK

BATH TUB/SHOWER

Description	Date

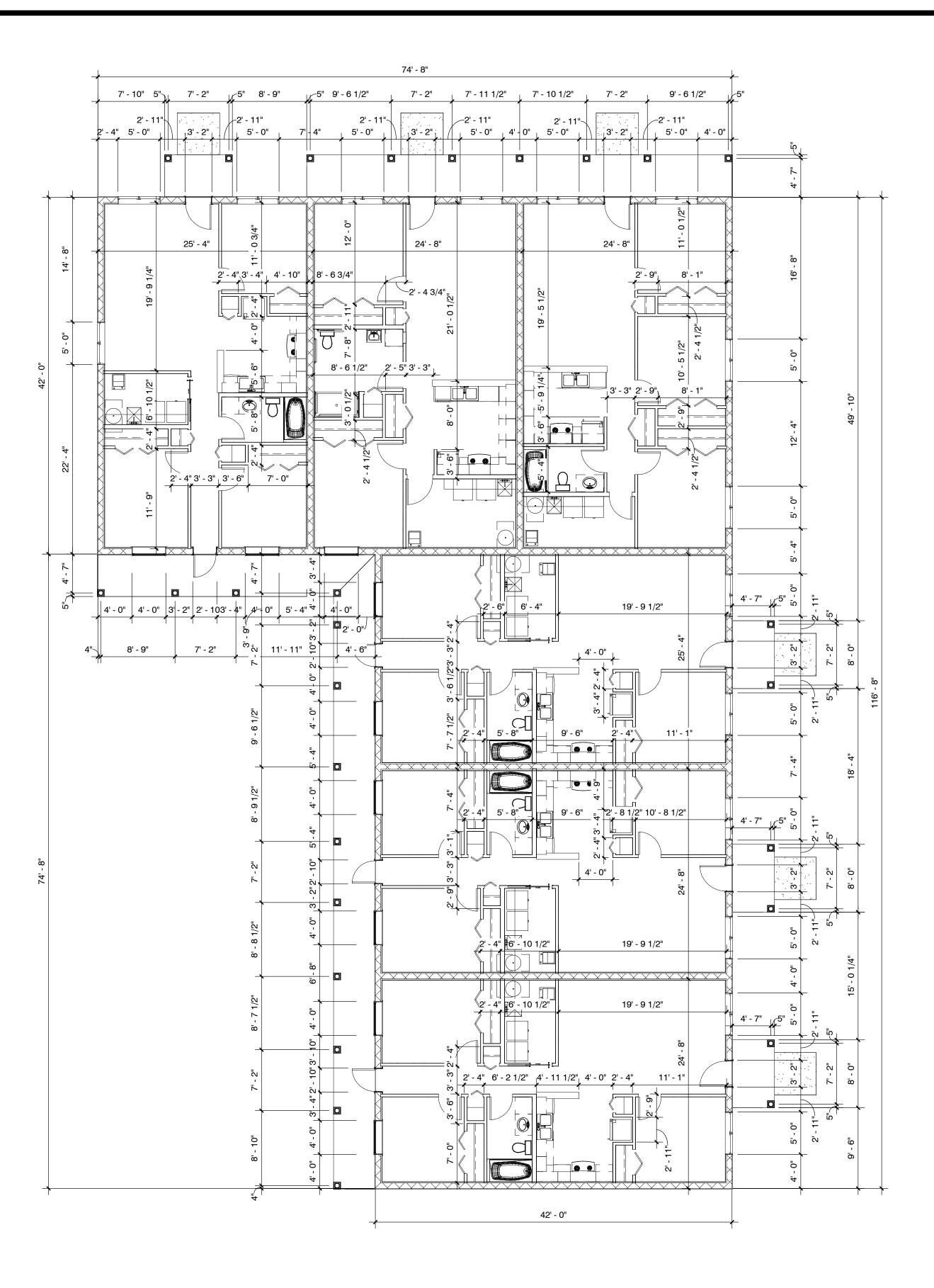
REFERENCE PLAN/LIFE SAFETY PLAN

12/20/2023
CW
As indicated



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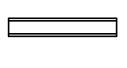
DIMENSION PLAN PHASE 2 1/8" = 1'-0"

LAYOUT NOTES

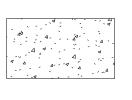
- 1. SHOULD CONDITIONS OR DIMENSIONS VARY FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT BEFORE PROCEEDING. USE FIGURED DIMENSIONS. DO NOT SCALE DRAWINGS. WHERE DIMENSIONS ARE SHOWN WITH A "±", ADJUSTMENTS MAY BE MADE TO SUIT FIELDCONDITIONS.
- 2. VERIFY DIMENSIONS IN FIELD BEFORE PROCEEDING WITH WORK. NOTIFY ARCHITECT OF DISCREPANCIES, CONFLICTS, AND MODIFICATIONS.
- 3. ALL DIMENSIONS FOR DRYWALL PARTITIONS ARE TO FACE OF GYPSUM BOARD OR CEMENT BOARD, UNLESS NOTED OTHERWISE.
- 4. ALL DIMENSIONS FOR CONCRETE MASONRY UNIT CONSTRUCTION ARE NOMINAL AND ARE TO FACE OF C.M.U., UNLESS NOTED OTHERWISE.
- 5. ALL DIMENSIONS FOR OPENINGS ARE NOMINAL. COORDINATE ACTUAL DIMENSIONS WITH OPENING SIZES AND DETAILS.
- 6. LOCATE DOORS 4" FROM BACK OF FRAME TO END OF PARTITION IN WHICH DOOR IS INCORPORATED, UNLESS NOTED OTHERWISE.
- WHERE DIFFERENT PARTITION TYPES OF VARYING WIDTHS EXIST ADJACENT TO ONE ANOTHER, THE FRAMING SHALL ACCOMMODATE A SMOOTH AND CONTINUOUS SURFACE ACROSS PARTITION TYPES.

LEGEND

NEW CONSTRUCTION - MASONRY



NEW CONSTRUCTION - METAL STUD



CONCRETE WALKWAYS

EDGE OF OVERHEAD CONSTRUCTION

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MANEUVERING CLEARANCES AT DOORS AND TOILET ROOM FIXTURES



Tsark Architecture, LLC

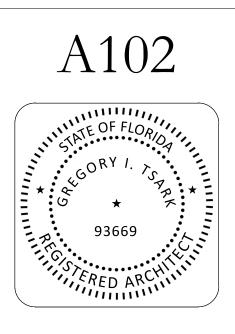
1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

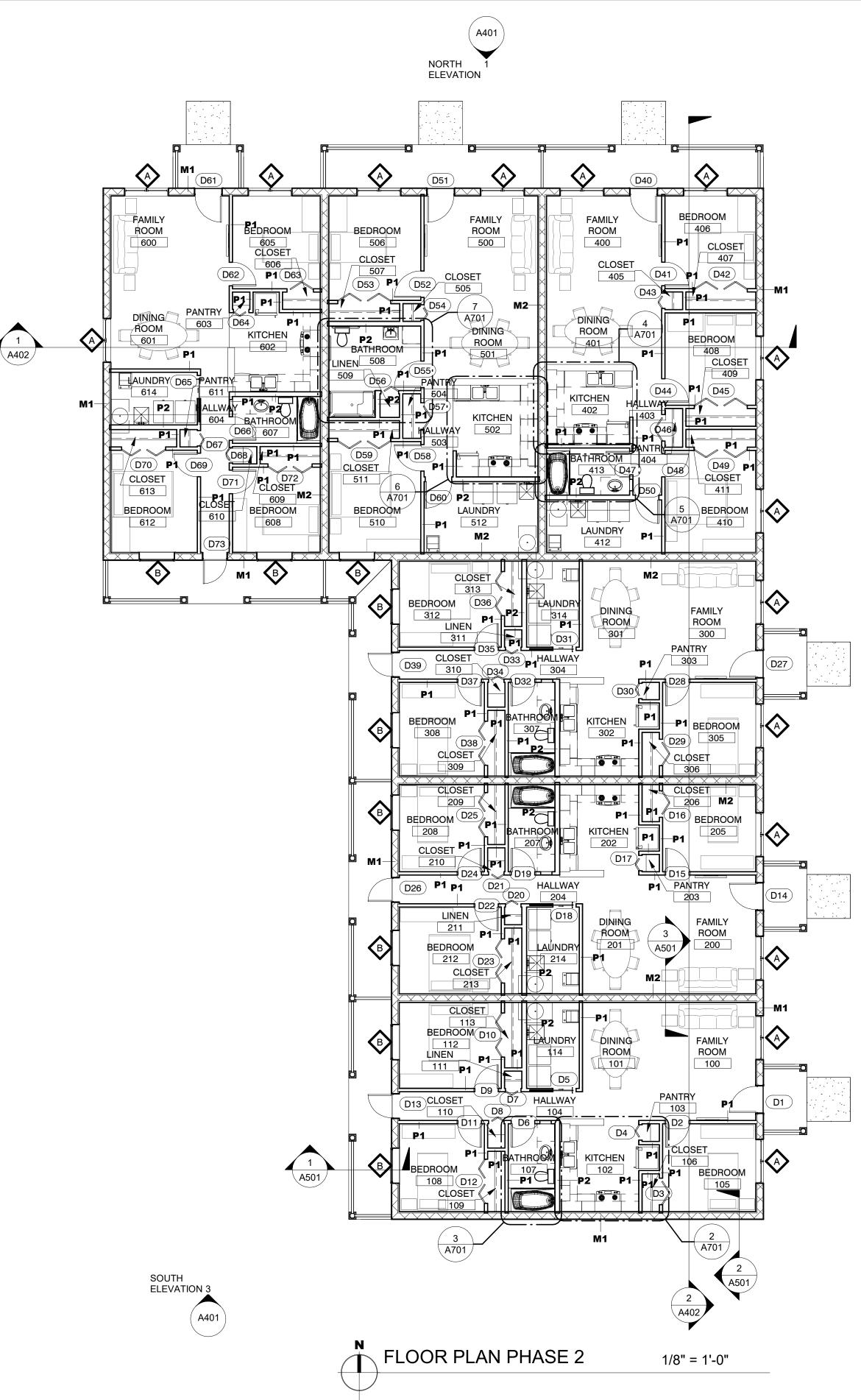
 \sim \mathbf{O} Phase 2796 \mathbf{O} 11 \mathcal{O} S Г tu Ī Titusville, H 4 \bigcirc Ck et Ū 0 $\overline{}$ IJ - \sim 550 South Brown Project No.: 202 \frown Ham Hope

Description	Date

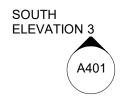
DIMENSION PLAN

12/20/2023
CW
1/8" = 1'-0"





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GENERAL NOTES

- 1. MOUNT FIRE EXTINGUISHER CABINETS AT 4'-0" A.F.F. MEASURED TO CENTERLINE OF CABINET HANDLE.
- 2. PROVIDE BLOCKING IN PARTITIONS FOR ALL WALL-MOUNTED EQUIPMENT
- LOOSE FURNITURE IS SHOWN FOR ILLUSTRATIVE PURPOSES AND IS NOT IN CONTRACT FOR CONSTRUCTION.
- 4. DO NOT SCALE DRAWINGS; WHERE DIMENSIONS ARE UNCLEAR, REQUEST CLARIFICATION FROM ARCHITECT.
- 5. LIMITS OF EXISTING CONSTRUCTION ARE SHOWN FOR REFERENCE ONLY. SCOPE OF WORK MAY INCLUDE PARTS OF EXISTING AREA FOR PURPOSES OF ACCESS AND CONNECTION OF NEW CONSTRUCTION.

LEGEND

NEW CONSTRUCTION - MASONRY

NEW CONSTRUCTION - WOOD STUD

4 . 4 . 4

CONCRETE WALKWAYS

EDGE OF OVERHEAD CONSTRUCTION

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MANEUVERING CLEARANCES AT DOORS AND TOILET ROOM FIXTURES



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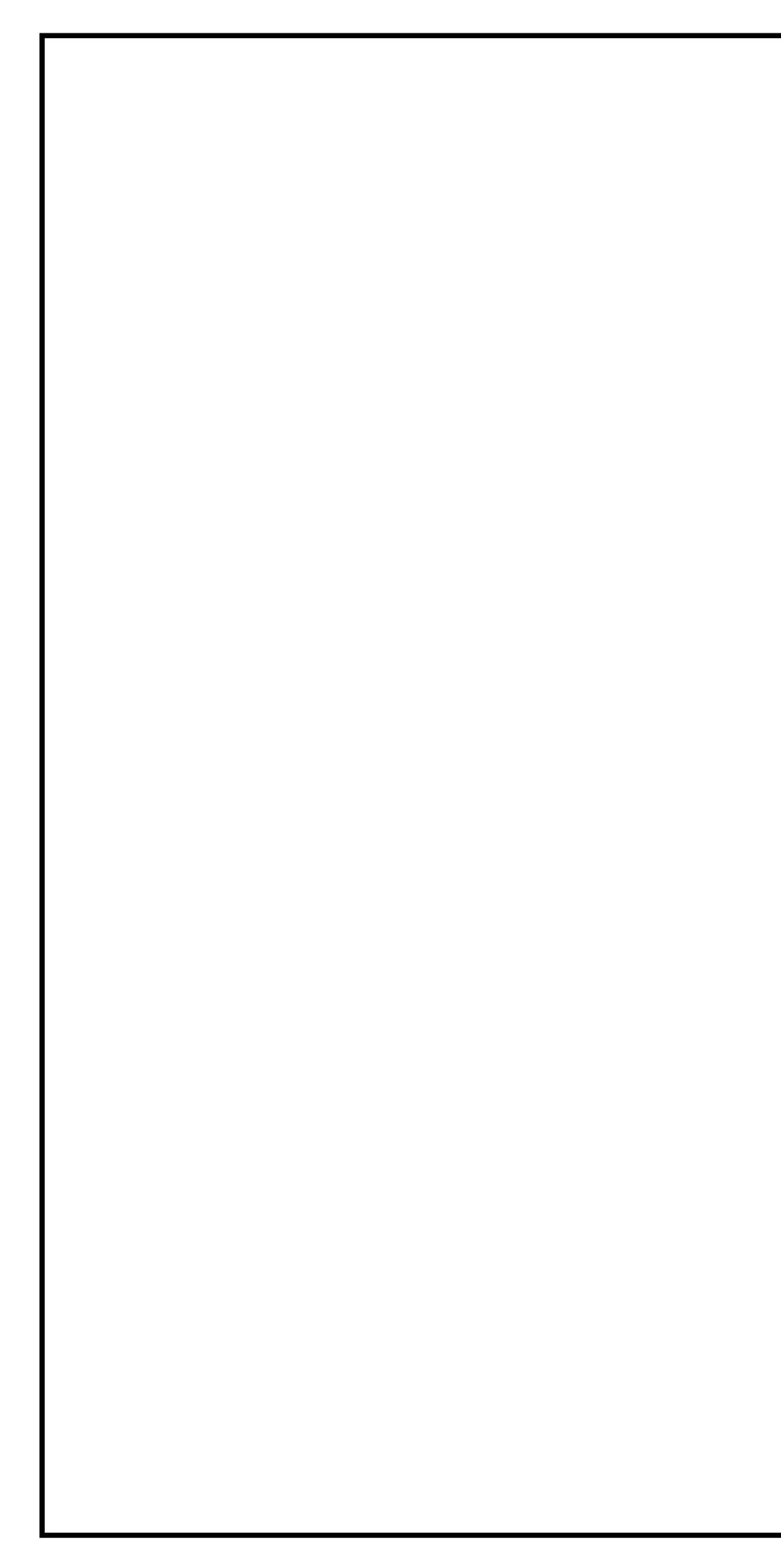
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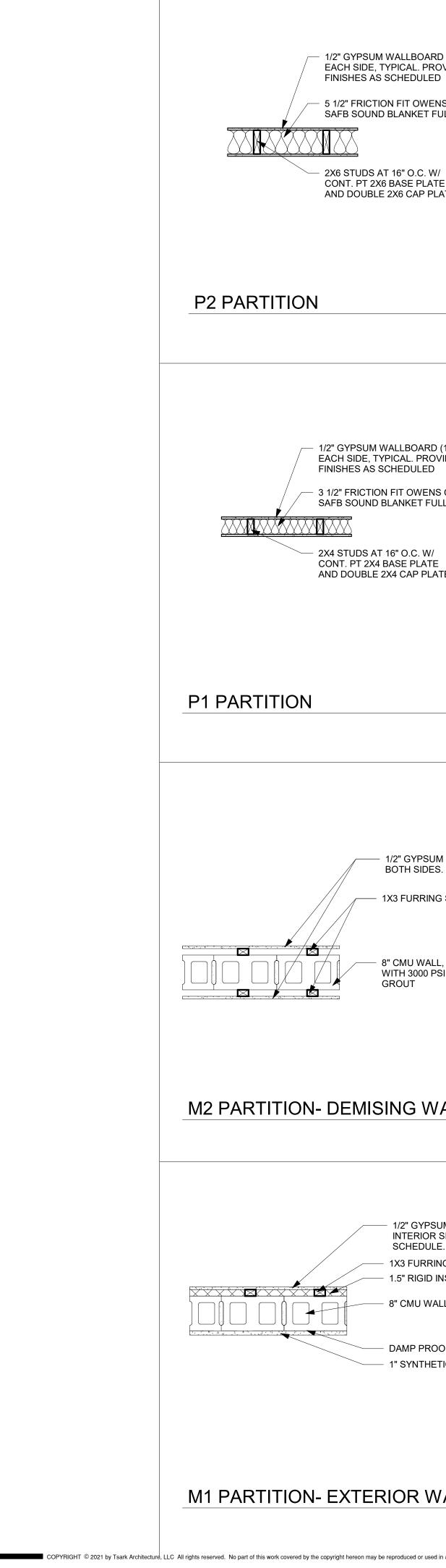
Description	Date

FLOOR PLAN

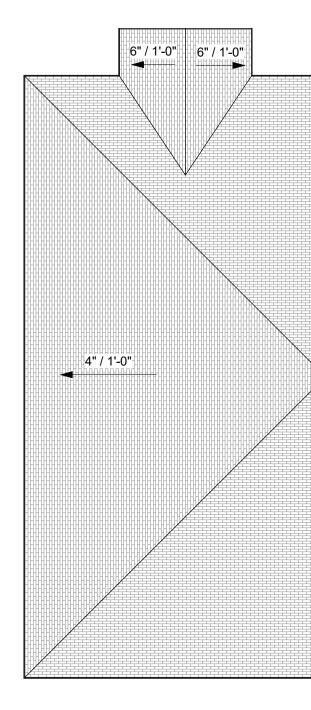
12/20/2023
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1/8" = 1'-0"

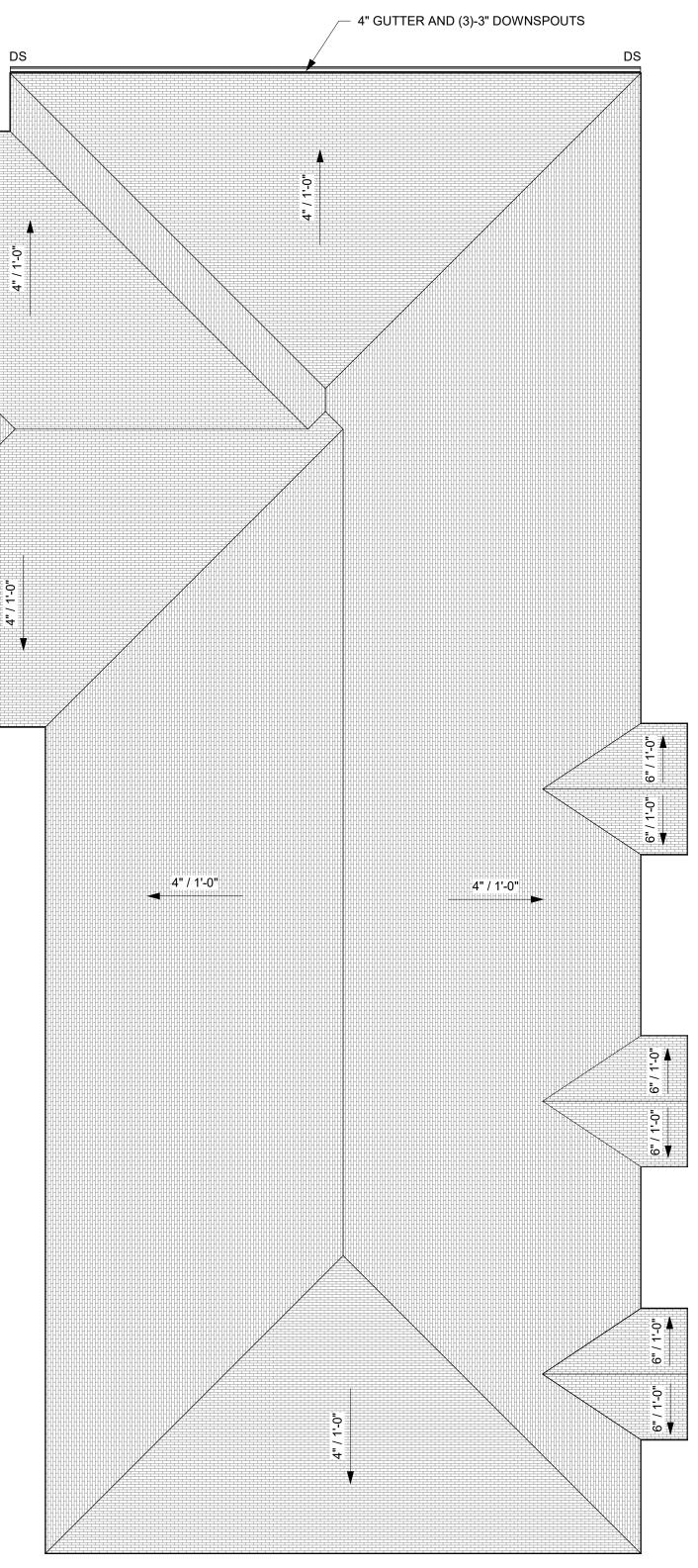






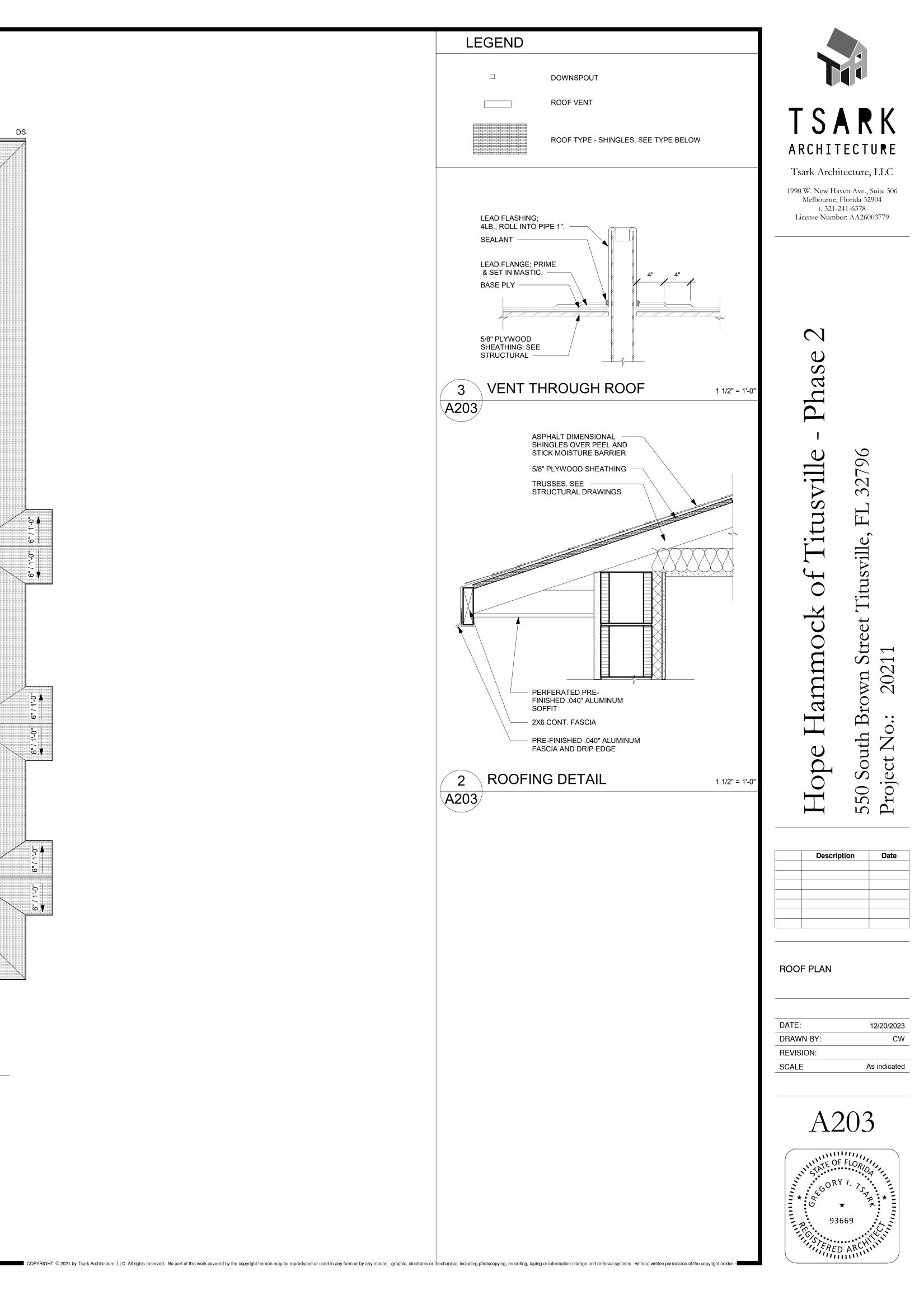
	PARTITION TYPE NOTES	
	1. ALL PARTITIONS IN DAMP/WET LOCATIONS TO RECEIVE MOISTURE RESISTANT GYPSUM WALL BOARD. MOISTURE RESISTANT GYP. BOARD TO 48" A.F.F. IN KITCHENS BEHIND CABINETRY AND FOR ALL PARTITIONS FLOOR TO CEILING IN RESTROOMS AND NON-CONDITIONED SPACES	
ARD (1)-LAYER PROVIDE WALL LED	2. PARTITIONS IN WET LOCATIONS, SHOWERS, MOP SINKS, ETC. AND ALL WALL SURFACES RECIEVING CERAMIC WALL TILE SHALL HAVE CEMENTITIOUS BACKER	TSARK
/ENS CORNING T FULL HEIGHT	 UNITS IN LIEU OF GYPSUM WALL BOARD, PROPERLY SEALED, READY FOR FINISHES. 3. PROVIDE FIRE TREATED WOOD BLOCKING AND FIRE TREATED PLYWOOD BACKER BOARD AT ALL SHELVING, CASEWORK AND ACCESSORY LOCATIONS.14 GA. GALV. SHEET METAL MAY BE USED IN LIEU OF WOOD BLOCKING. 	ARCHITECTURE
	4. WALLS OF DIFFERENT WIDTHS THAT ALIGN SHALL REMAIN FLUSH TO ONE ANOTHER	Tsark Architecture, LLC
W/ ATE PLATE	 PERMANENTLY IDENTIFY WITH 3" RED STENCILING IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, AT 12 FOOT INTERVALS, THE PHRASE "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". 	1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779
	6. ALL PERIMETER EXTERIOR MASONRY WALLS SHALL RECIEVE CORE-FILL 500 FOAM INSULATION BY TAILORED CHEMICAL PRODUCTS, INC. OR EQUAL	
	7. PAINTED MASONRY TO CONSIST OF BLOCK FILLER, PRIMER, AND FINISH COAT. DESIGN NO. U419	
	* NONBEARING WALL RATINGS 1, 2, 3 OR 4 HR	
3/4" = 1'-0"	 FLOOR AND CEILING RUNNERS (NOT SHOWN) CHANNEL SHAPED, FABRICATED FROM MINIMUM 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH TO ACCOMMODATE STUD SIZE, WITH MIN 1-1/4 IN. LONG LEGS, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAXIMUM. STEEL STUDS CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION- 	\sim
	PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT AND INSTALLED WITH A 1/2 IN. GAP BETWEEN THE END OF THE STUD AND TRACK AT THE BOTTOM OF THE WALL. FOR DIRECT ATTACHMENT OF GYPSUM BOARD ONLY.	lase
RD (1)-LAYER ROVIDE WALL ED	4. BATTS AND BLANKETS- PLACED IN STUD CAVITIES, ANY GLASS FIBER OR MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE.	
ENS CORNING FULL HEIGHT	5. GYPSUM BOARD* GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. VERTICAL JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED ONE STUD CAVITY. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED	11e - 796
N/ \TE PLATE	NOT BE STAGGERED. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED A MIN OF 12 IN. THE THICKNESS AND NUMBER OF LAYERS FOR THE 1 HR, 2 HR, 3 HR AND 4 HR RATINGS ARE AS FOLLOWS:	ISVI L 32
	Gypsum Board Protection on Each Side of Wall Rating, Hr Min Stud Depth, No. of Layers, Thkns of Panel Ins. Thkns 1 3-1/2 1 layer, 5/8 in. thick Optional	itu e, F
	1 2-1/2 1 layer, 1/2 in. thick 1-1/2 in. 1 1-5/8 1 layer, 3/4 in. thick Optional 2 1-5/8 2 layers, 1/2 in. thick Optional	of T itusvill
	2 1-5/8 2 layers, 5/8 in. thick Optional 2 3-1/2 1 layer, 3/4 in. thick 3 in. 3 1-5/8 3 layers, 1/2 in. thick Optional	ofo
3/4" = 1'-0"	31-5/82 layers,3/4 in. thick Optional31-5/83 layers,5/8 in. thick Optional41-5/84 layers,5/8 in. thick Optional41-5/84 layers,1/2 in. thick Optional	
	4 2-1/2 2 layers, 3/4 in. thick 2 in. 6. FASTENERS TYPE S OR S-12 STEEL SCREWS USED TO ATTACH PANELS TO	mocl Street 11
	STUDS OR FURRING CHANNELS. SINGLE LAYER SYSTEMS: 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 8 IN. OC WHEN PANELS ARE APPLIED HORIZONTALLY, OR 8 IN. OC ALONG VERTICAL AND BOTTOM EDGES AND 12 IN. OC IN THE FIELD WHEN PANELS ARE APPLIED VERTICALLY. TWO LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC. SECOND LAYER- 1-5/8 IN.	own S 2021
SUM WALLBOARD (1) LAYER, DES. SEE FINISH SCHEDULE.	LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC WITH SCREWS OFFSET 8 IN. FROM FIRST LAYER.THREE-LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER- 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN.	Br Br
ING STRIPS AT 16" O.C.	OC. THIRD LAYER- 2-1/4 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. FOUR-LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER- 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER- 2-1/4 IN. LONG FOR 1/2 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 24 IN. OC. FOURTH LAYER- 2-5/8 IN.	Hope I 50 South roject Ne
ALL, FILL SOLID) PSI NON-SHRINK	LONG FOR 1/2 IN. THICK PANELS OR 3 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. 7. FURRING CHANNELS RESILIENT FURRING CHANNELS FABRICATED FROM MIN 25	H(550 Pro
	MSG CORROSION-PROTECTED STEEL, SPACED VERTICALLY A MAX OF 24 IN. OC. FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. LONG TYPE S-12 STEEL SCREWS.	
	8. STEEL FRAMING MEMBERS* USED TO ATTACH FURRING CHANNELS TO ONE SIDE OF STUDS ONLY. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH TWO NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREWS, ONE THROUGH THE HOLE AT EACH END OF THE CLIP. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.	Description Date
NALL		
3/4" = 1'-0"		
		PARTITION TYPES
PSUM WALLBOARD (1) LAYER, DR SIDE ONLY. SEE FINISH ULE.		DATE: 12/20/2023
RING STRIPS AT 16" O.C. ID INSULATION		DRAWN BY: CW REVISION:
WALL		SCALE As indicated
ROOFING HETIC STUCCO, PAINTED		A202
		TE OF FLOR
		STATION STATION
WALL 3/4" = 1'-0"		93669 93669
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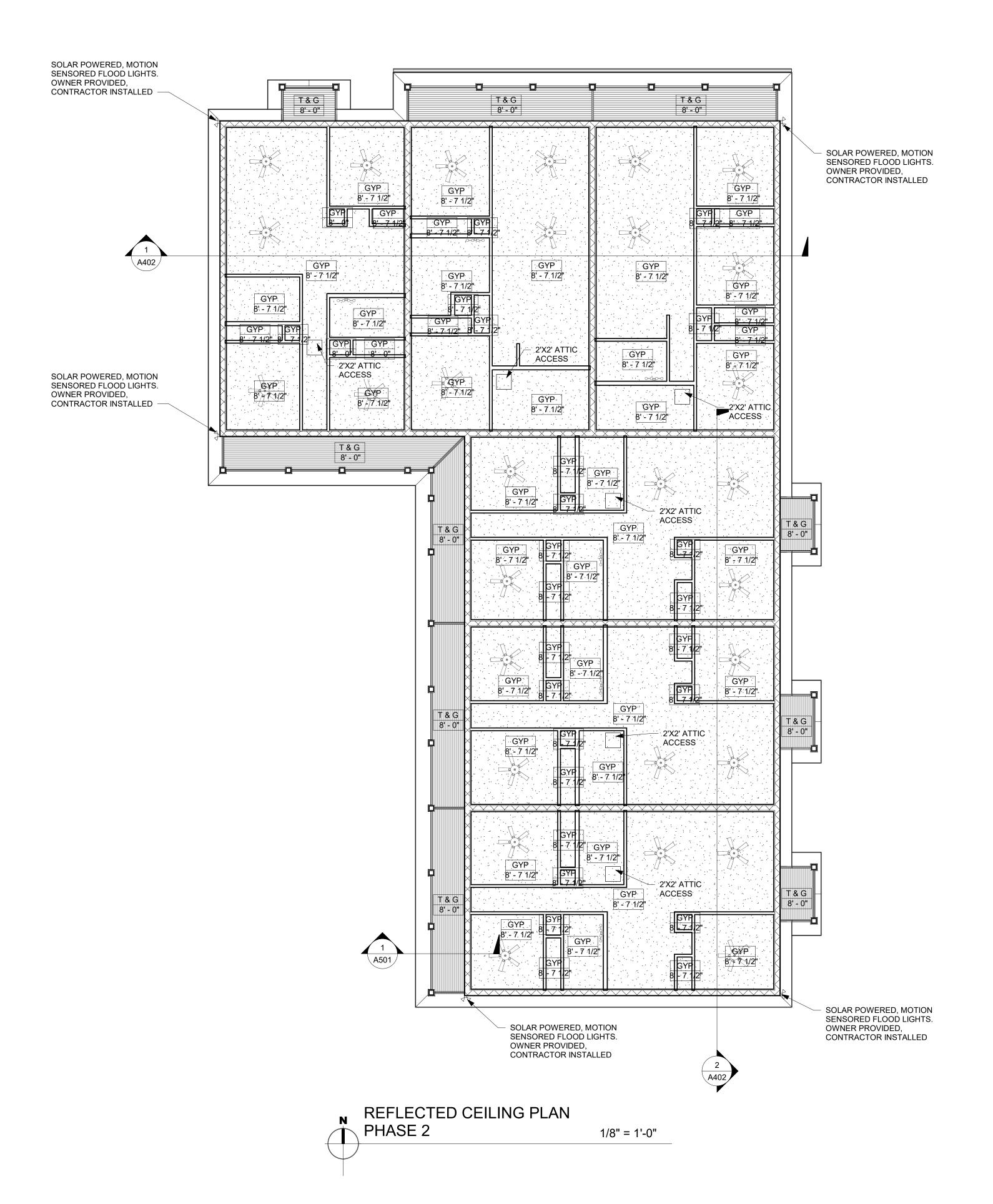




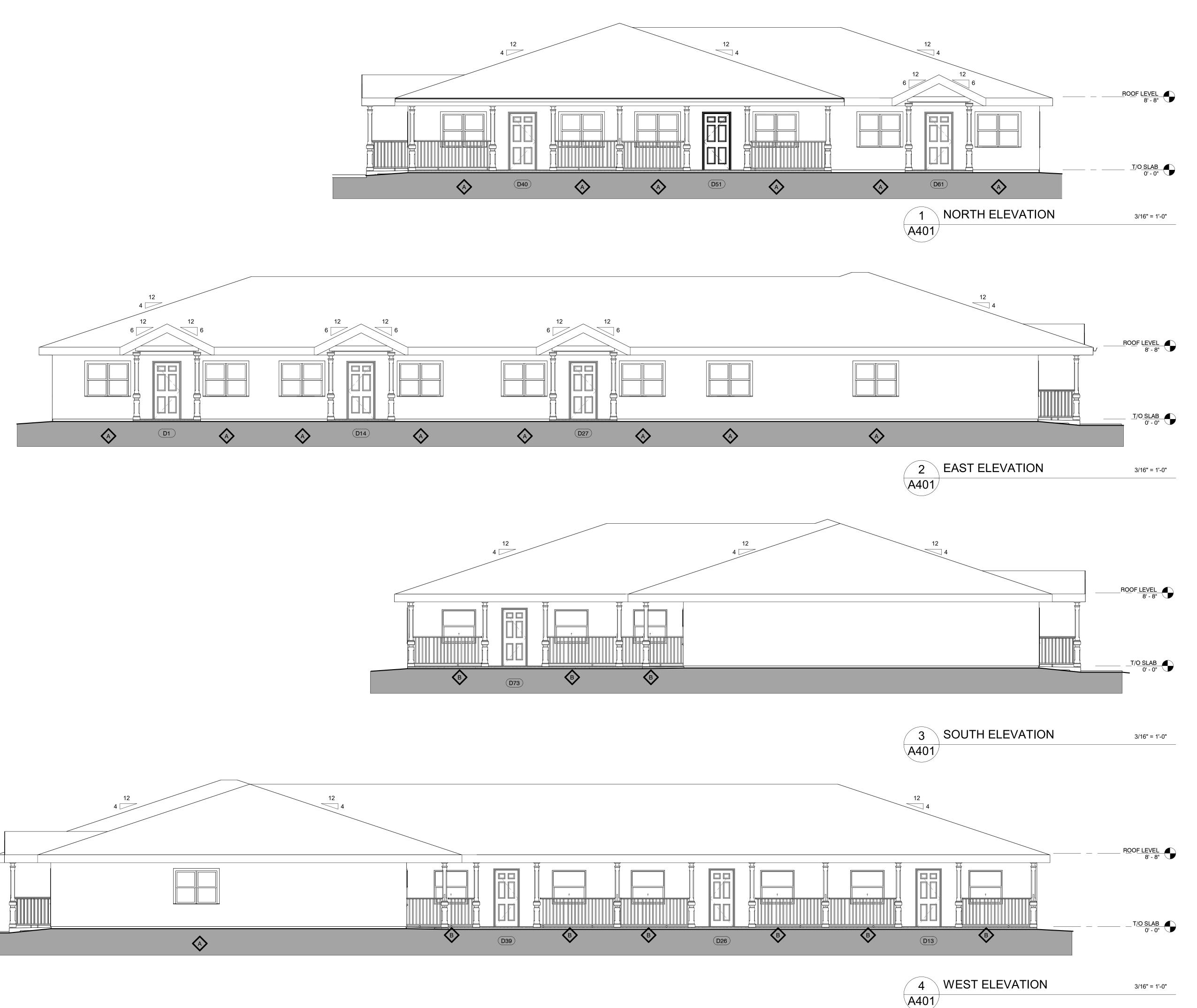


1/8" = 1'-0"



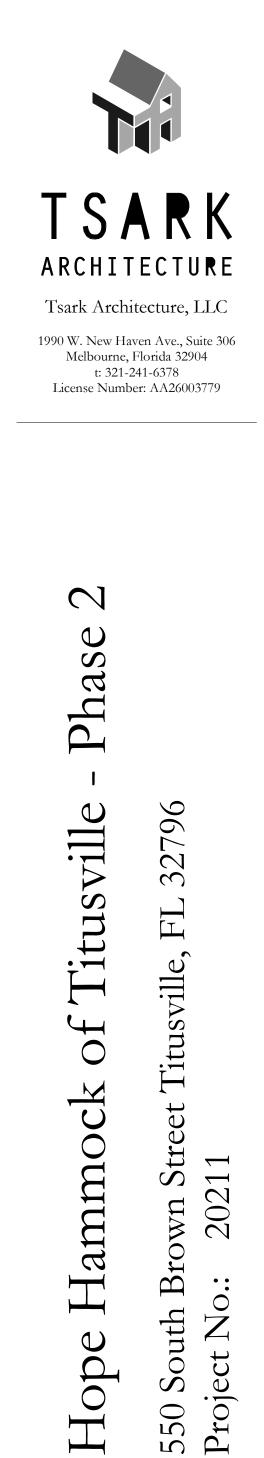


	REFLECTED CEILING PLAN NOTES	
	CEILING DETAILS DENOTE TYPICAL CONDITIONS	
	RCP LEGEND	TSARK
	GYPSUM WALLBOARD CEILING	ARCHITECTURE Tsark Architecture, LLC
SOLAR POWERED, MOTION	T & G WOOD CEILING	1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779
SENSORED FLOOD LIGHTS. OWNER PROVIDED, CONTRACTOR INSTALLED 8' - 7 1/2' B' - 7 1/2'	CEILING HEIGHT REFERENCE- SEE SCHEDULE OF FINISHES 1t CEILING TYPE 10'-0" CEILING HEIGHT	
GYP 8'-7 1/2		2
B'-7 1/2 B'-7 1/2 B'-7 1/2 B'-7 1/2		ase
<u>JL 8/- 7-1/2</u> <u>GYP</u> 8'- 7-1/2		- Phase
		ville - 32796
		Titusvil le, FL 327
T & G 8' - 0"		
GYP 8' - 7 1/2		
		mmocl wn Street 20211
GYP [] 8' - 7 · 1/2		LC B
T&G 8'-0"		No Ith No
		Hope 550 Sou Project
		Description Date
SOLAR POWERED, MOTION		REFLECTED CEILING PLAN
SENSORED FLOOD LIGHTS. OWNER PROVIDED, CONTRACTOR INSTALLED		DATE: 12/20/2023 DRAWN BY: CW
		REVISION: SCALE As indicated
		A301
		TATE OF FLORIDA GORY I. JS PROBA 93669
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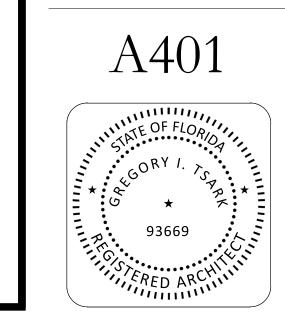


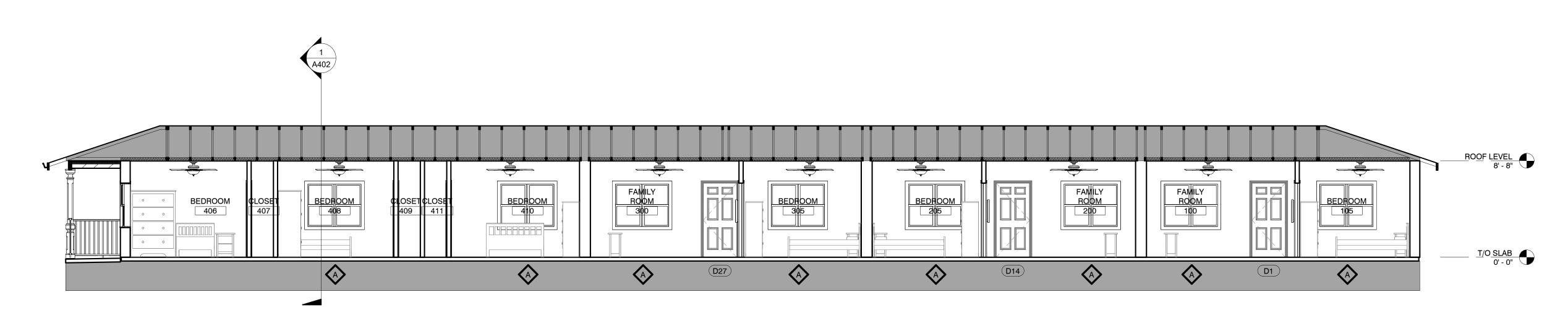
Description	Date

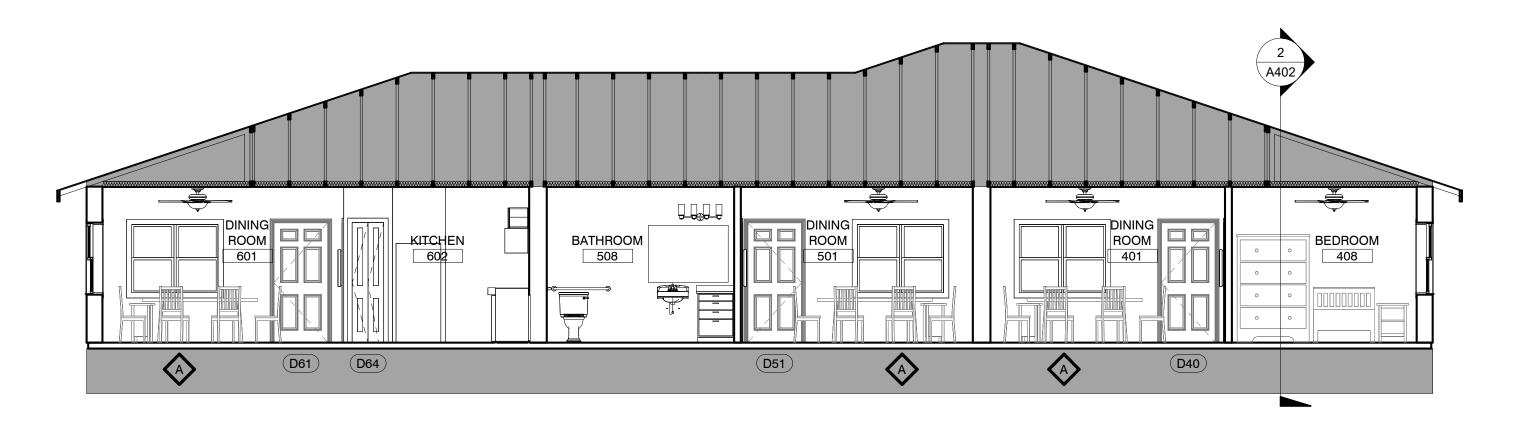
Hope

BUILDING ELEVATIONS

12/20/2023
CW
3/16" = 1'-0"











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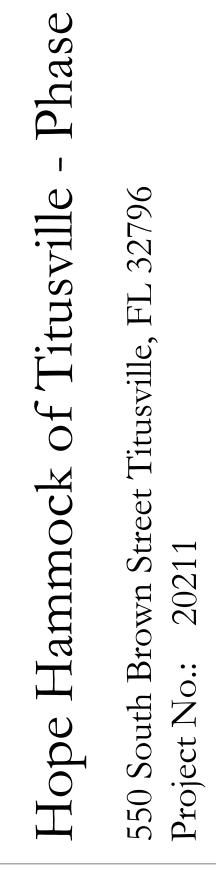
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2 BUILDING SECTION 3/16" = 1'-0" A402

BUILDING SECTION

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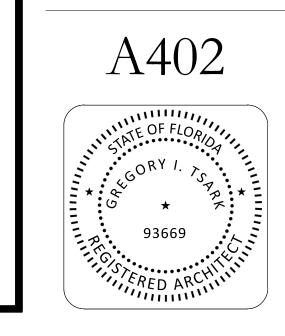
3/16" = 1'-0"

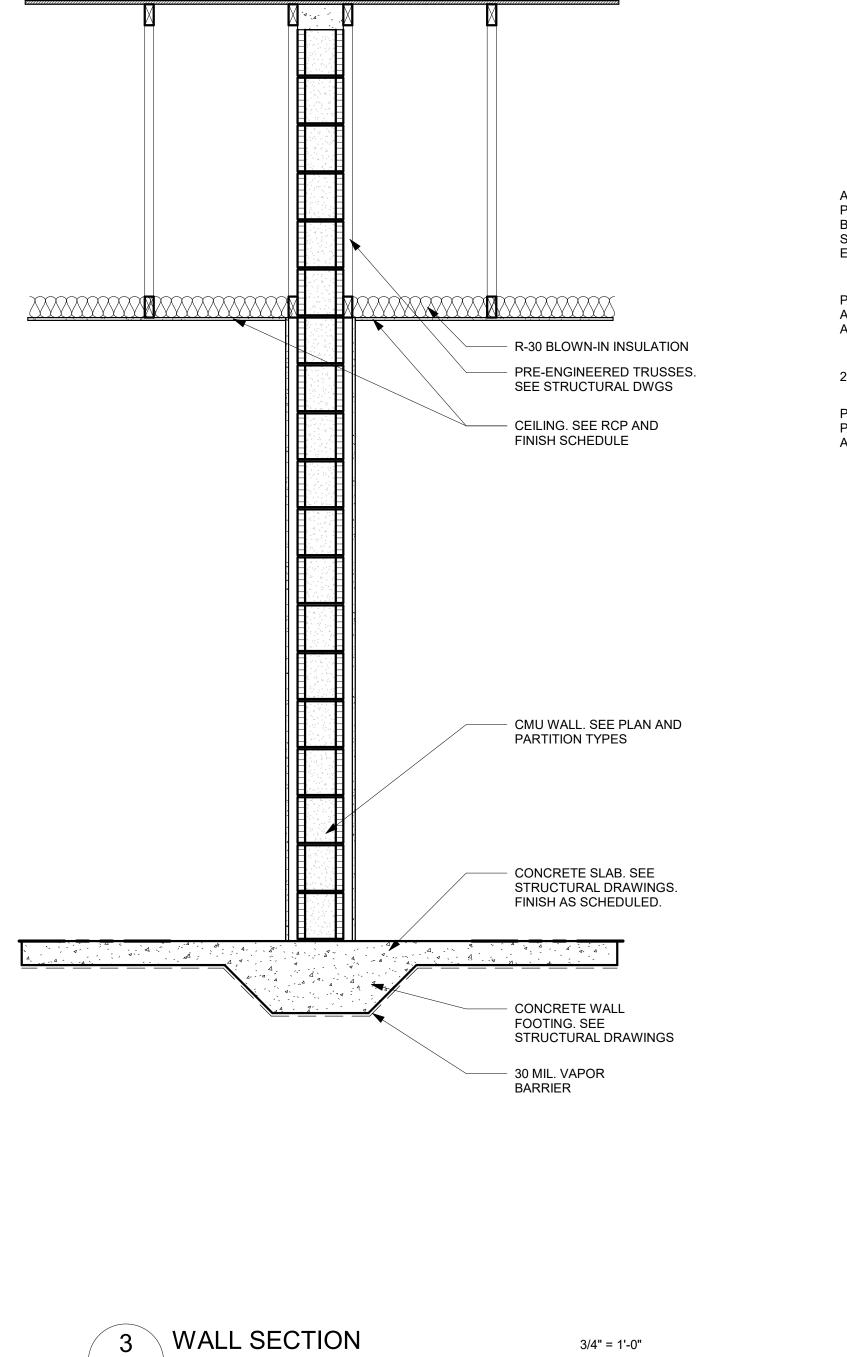


Description	Date

BUILDING SECTIONS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	3/16" = 1'-0"
CONCE	0,10 10





A501

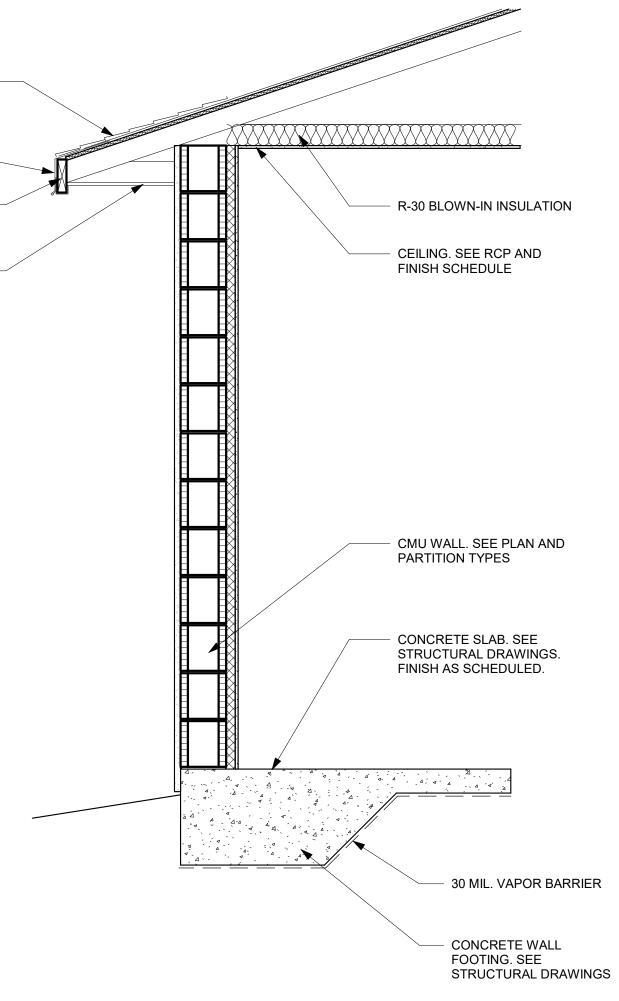
ASPHAULT SHINGLES ON PEEL-N-STICK MOISTURE BARRIER ON PLYWOOD SHEATHING ON PRE-ENGINEERED TRUSSES —

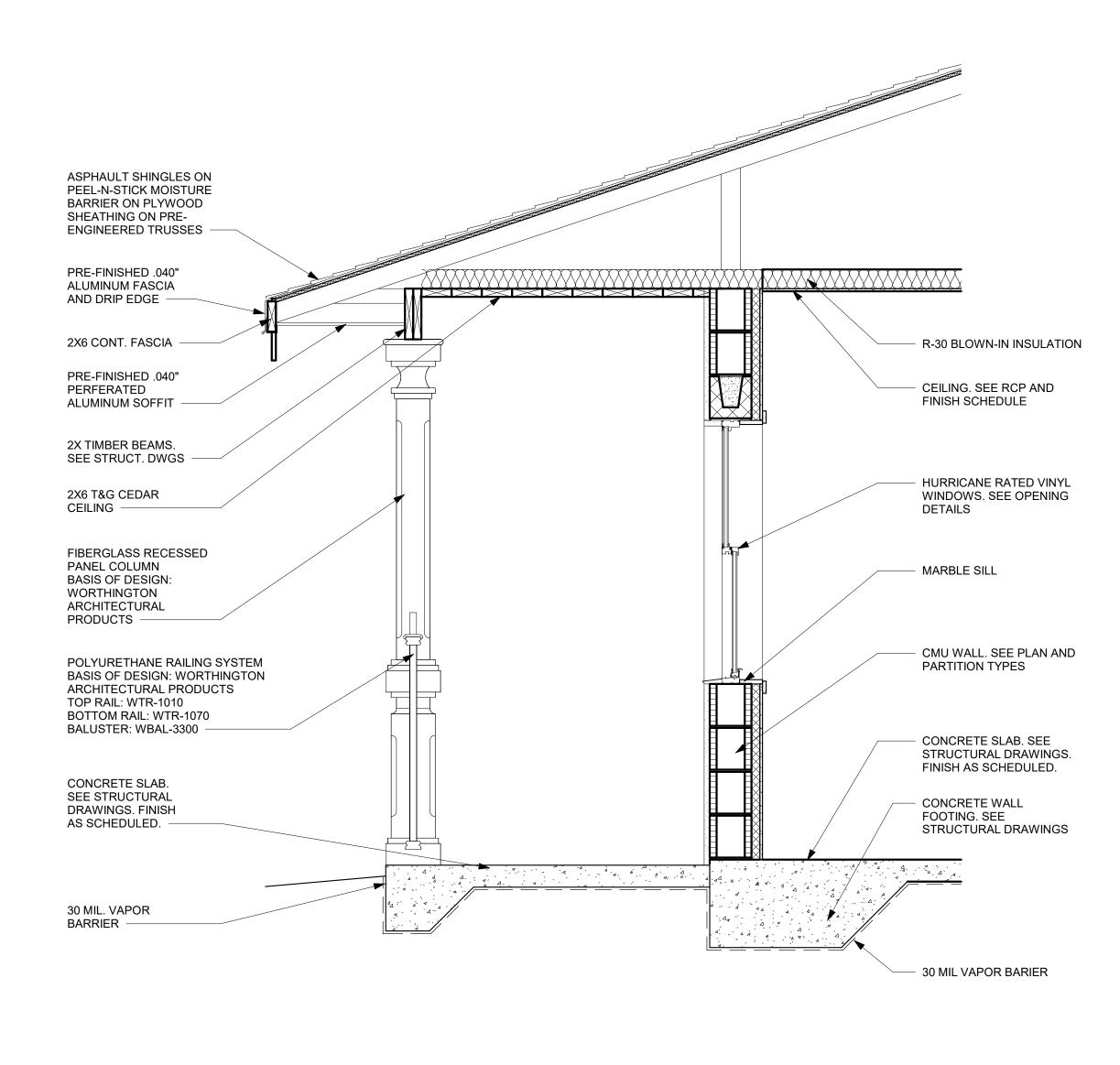
PRE-FINISHED .040" ALUMINUM FASCIA AND DRIP EDGE

2X6 CONT. FASCIA

PRE-FINISHED .040" PERFERATED ALUMINUM SOFFIT ------

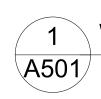








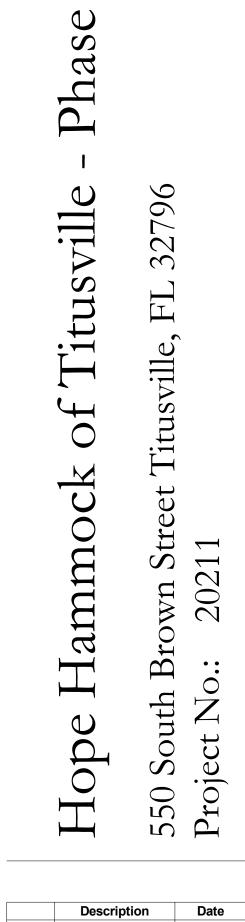
3/4" = 1'-0"





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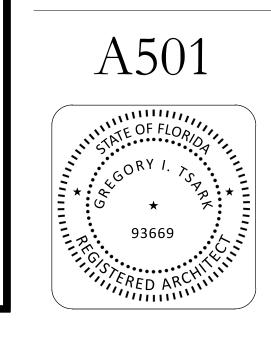
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Description	Date

SECTIONS AND DETAILS

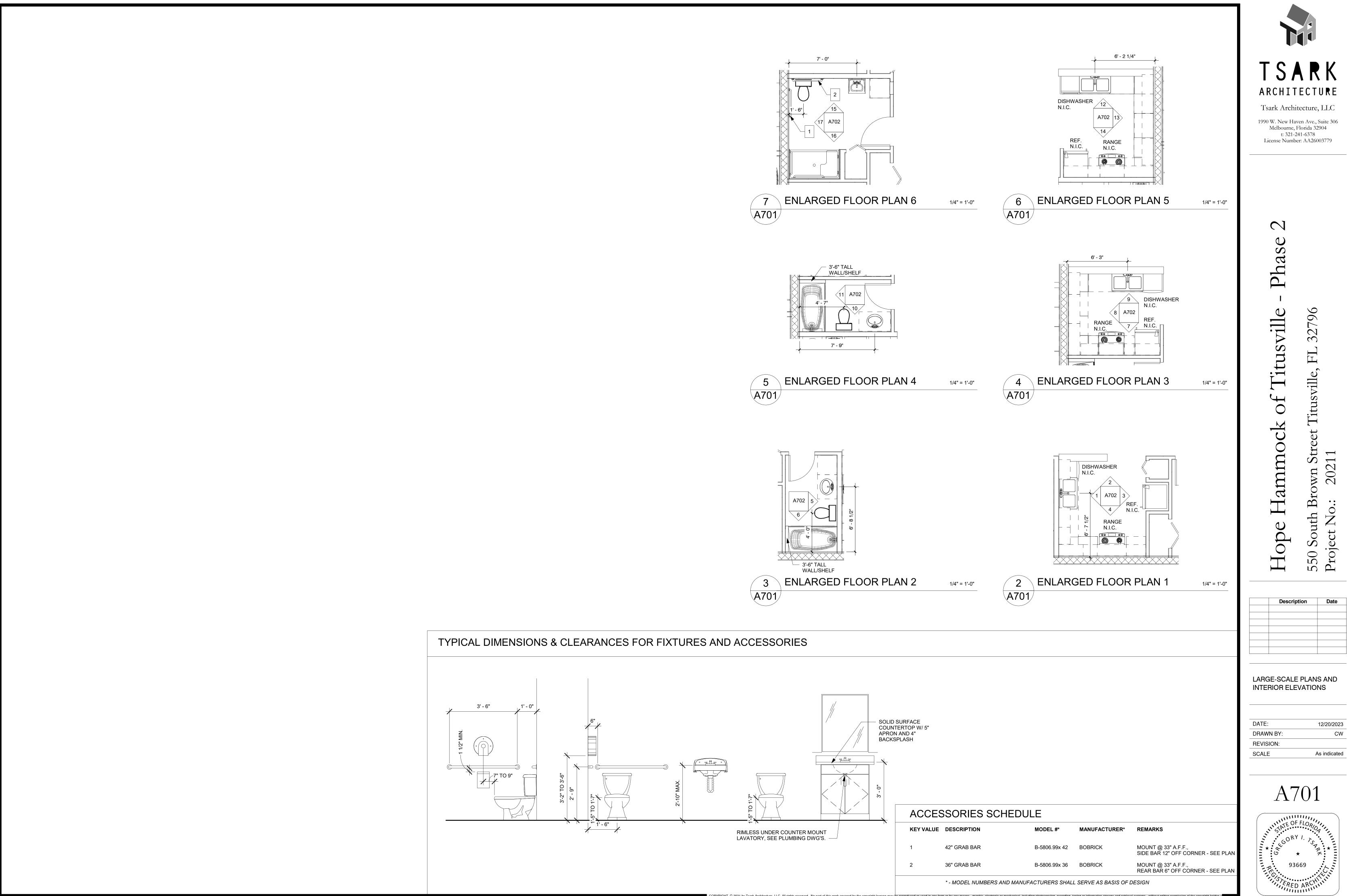
DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	3/4" = 1'-0"



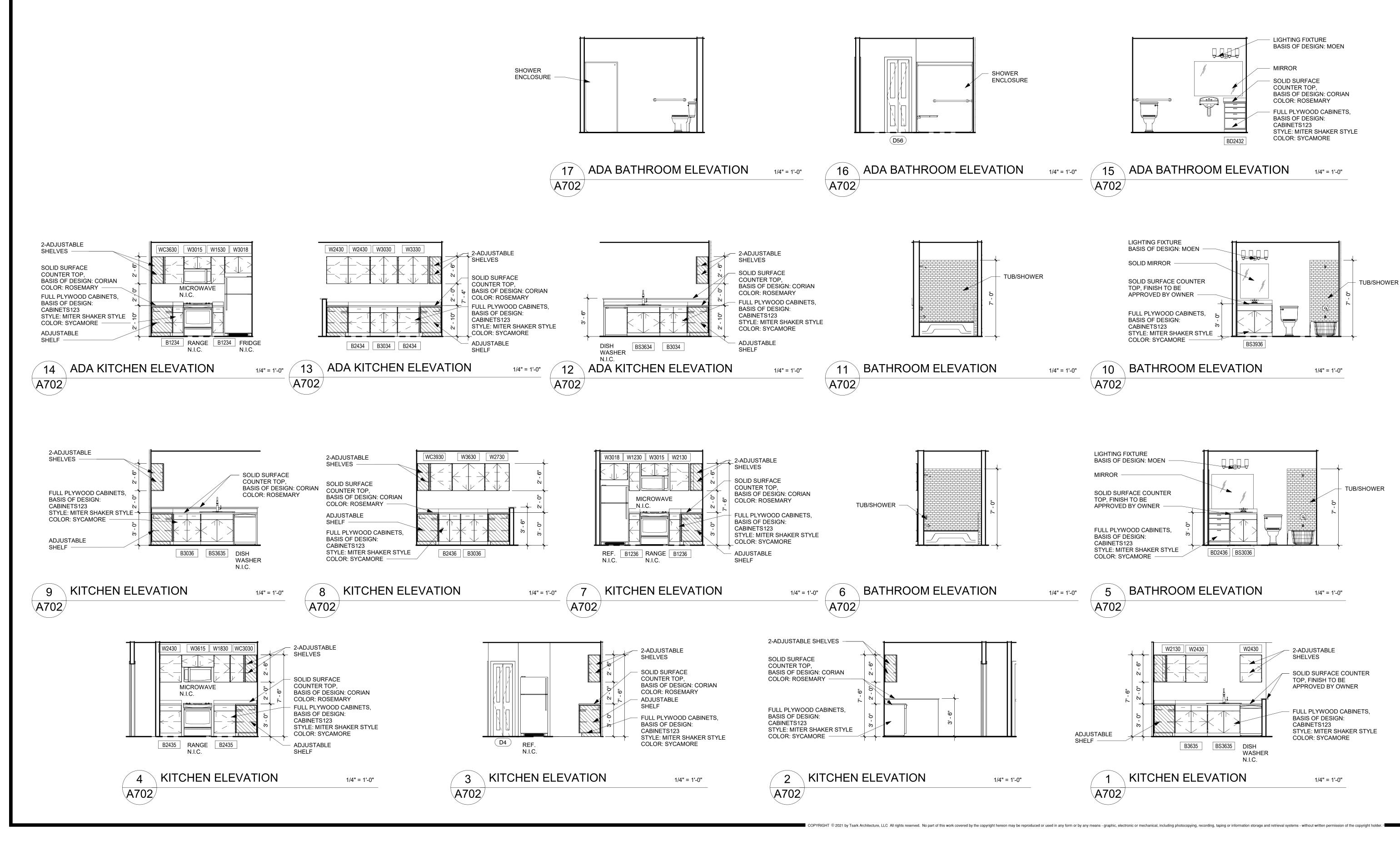
WALL SECTION

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3/4" = 1'-0"

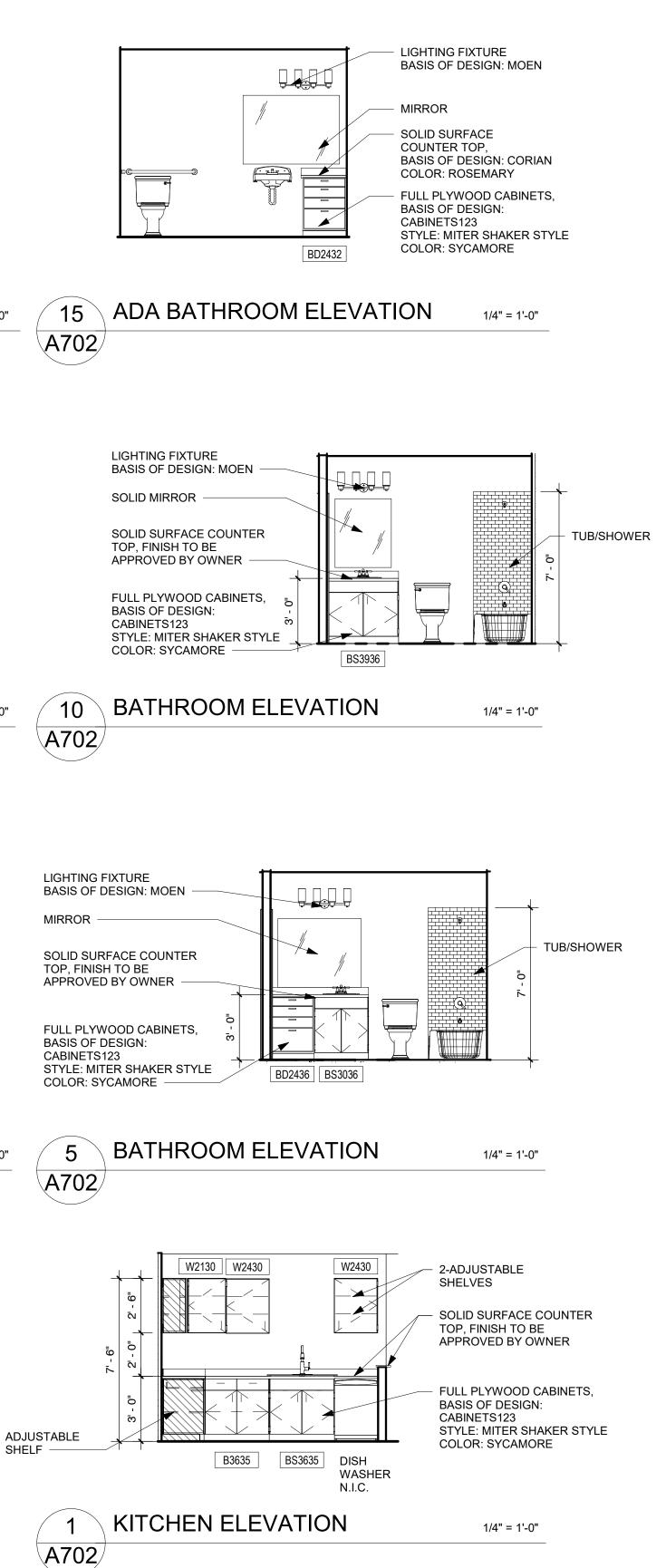


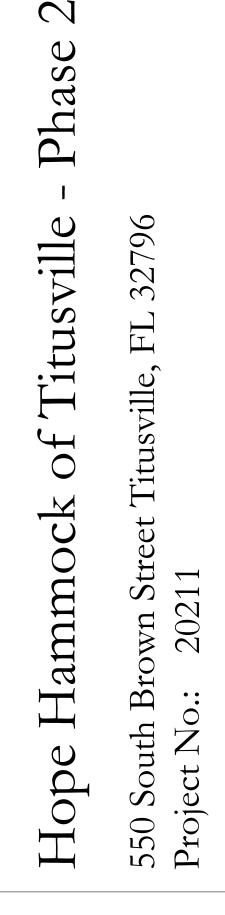
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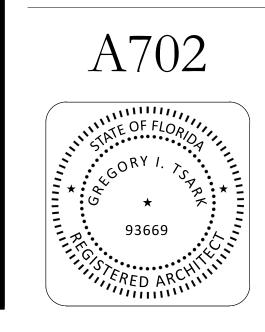


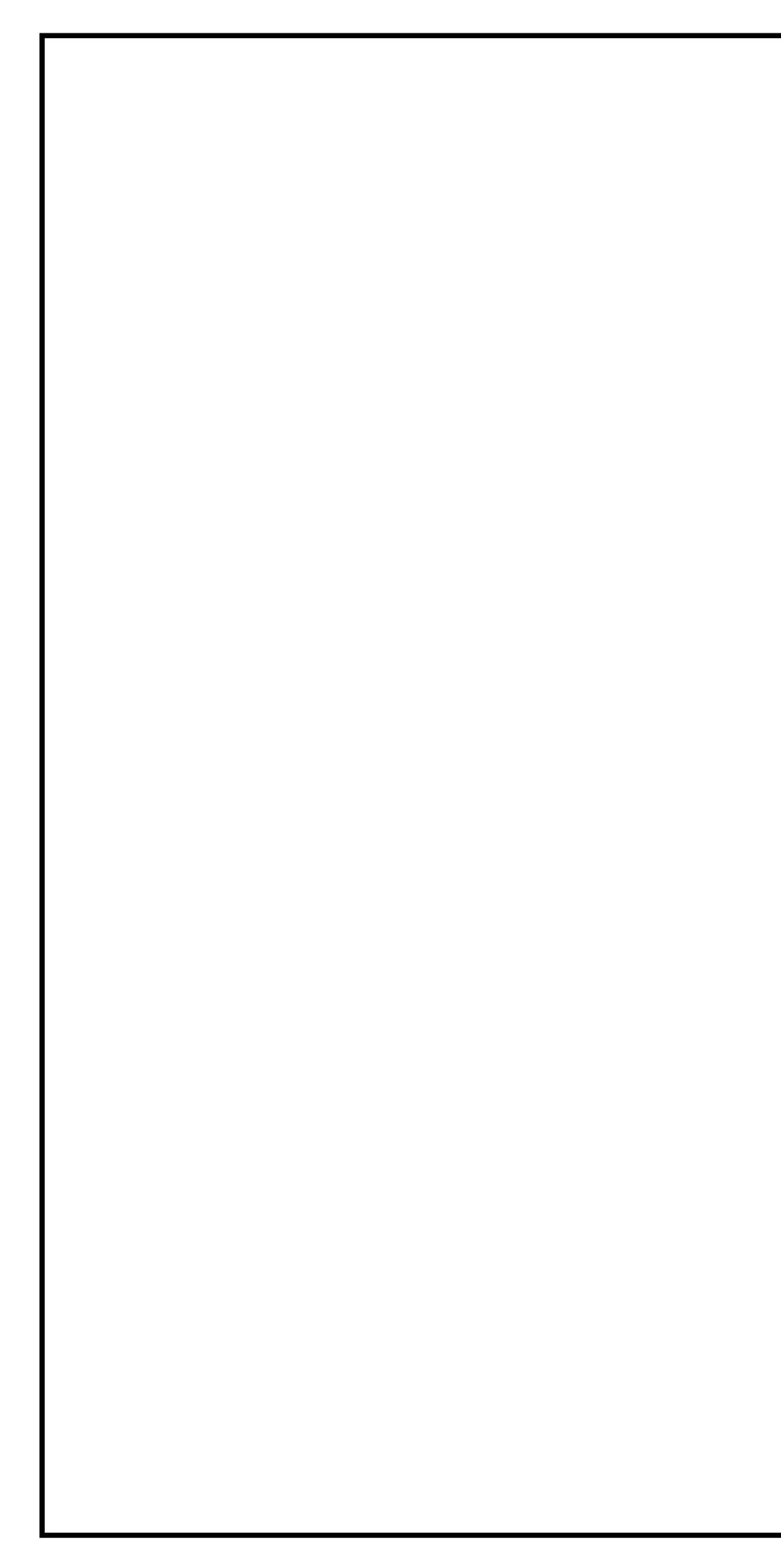


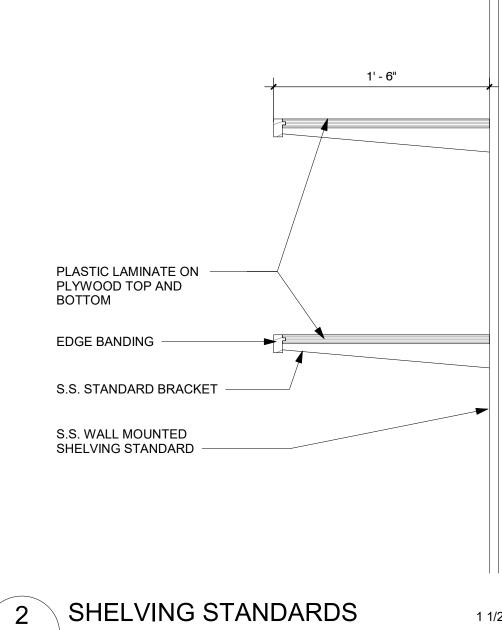
Description	Date

INTERIOR ELEVATIONS

DATE:	12/20/2023
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REVISION:	
SCALE	1/4" = 1'-0"



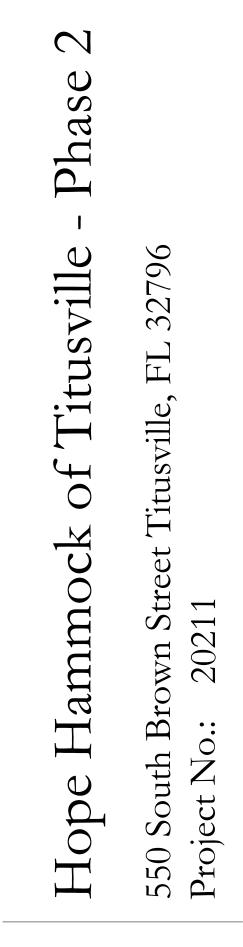




A703



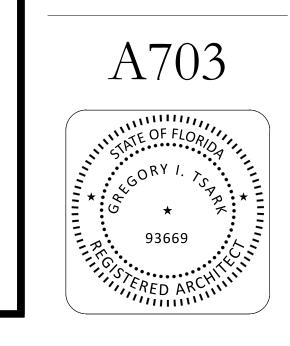
1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

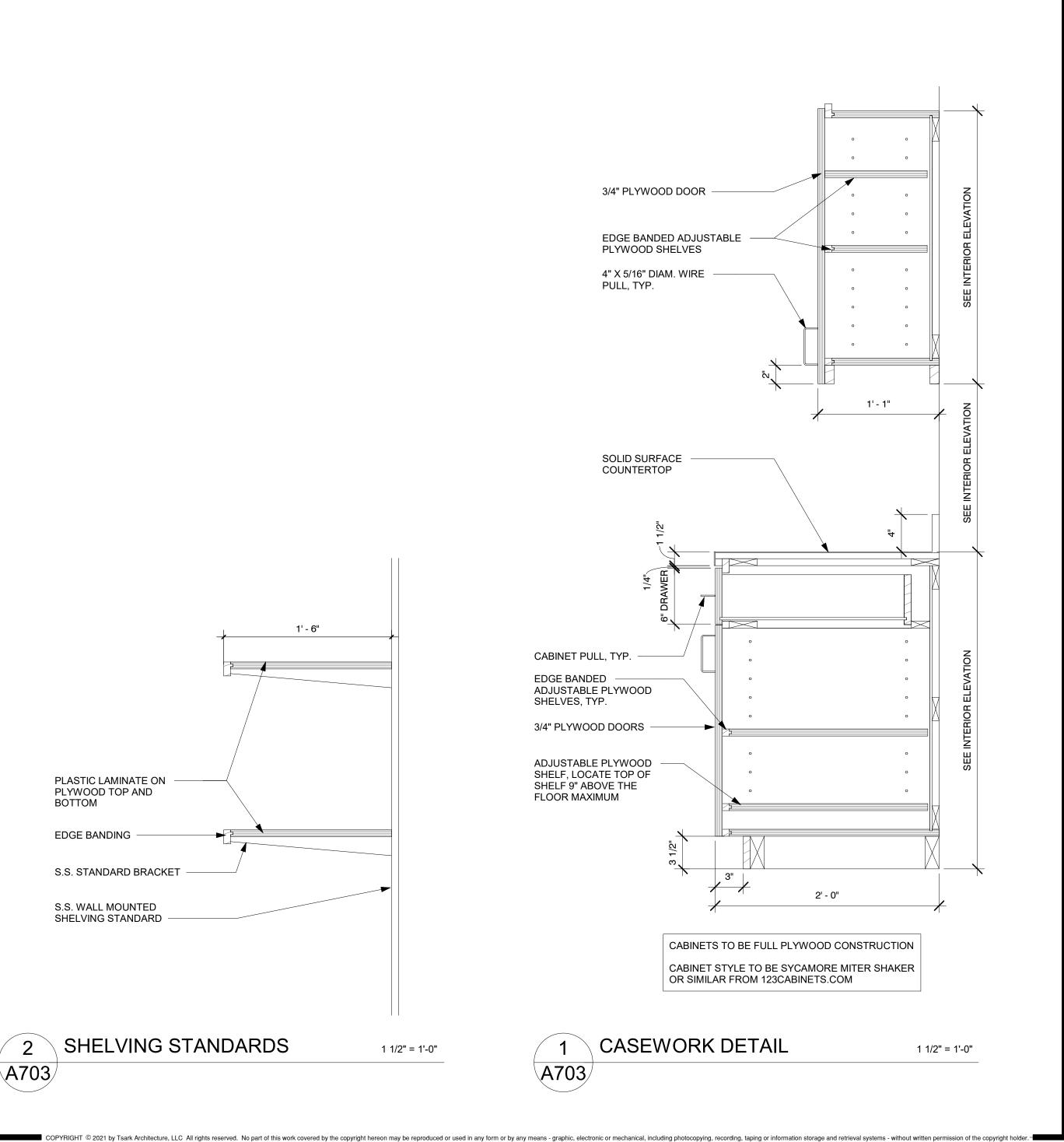


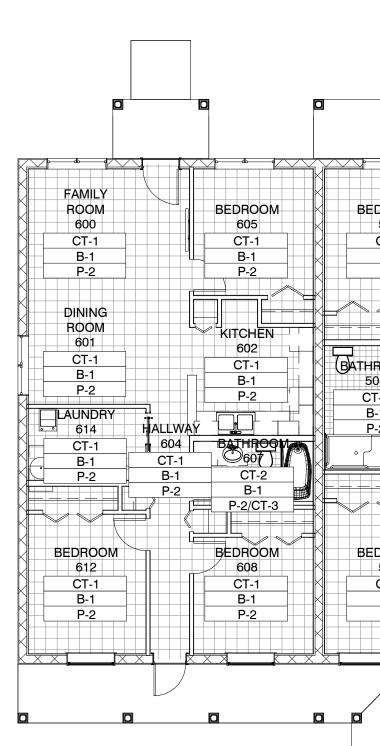
Description	Date

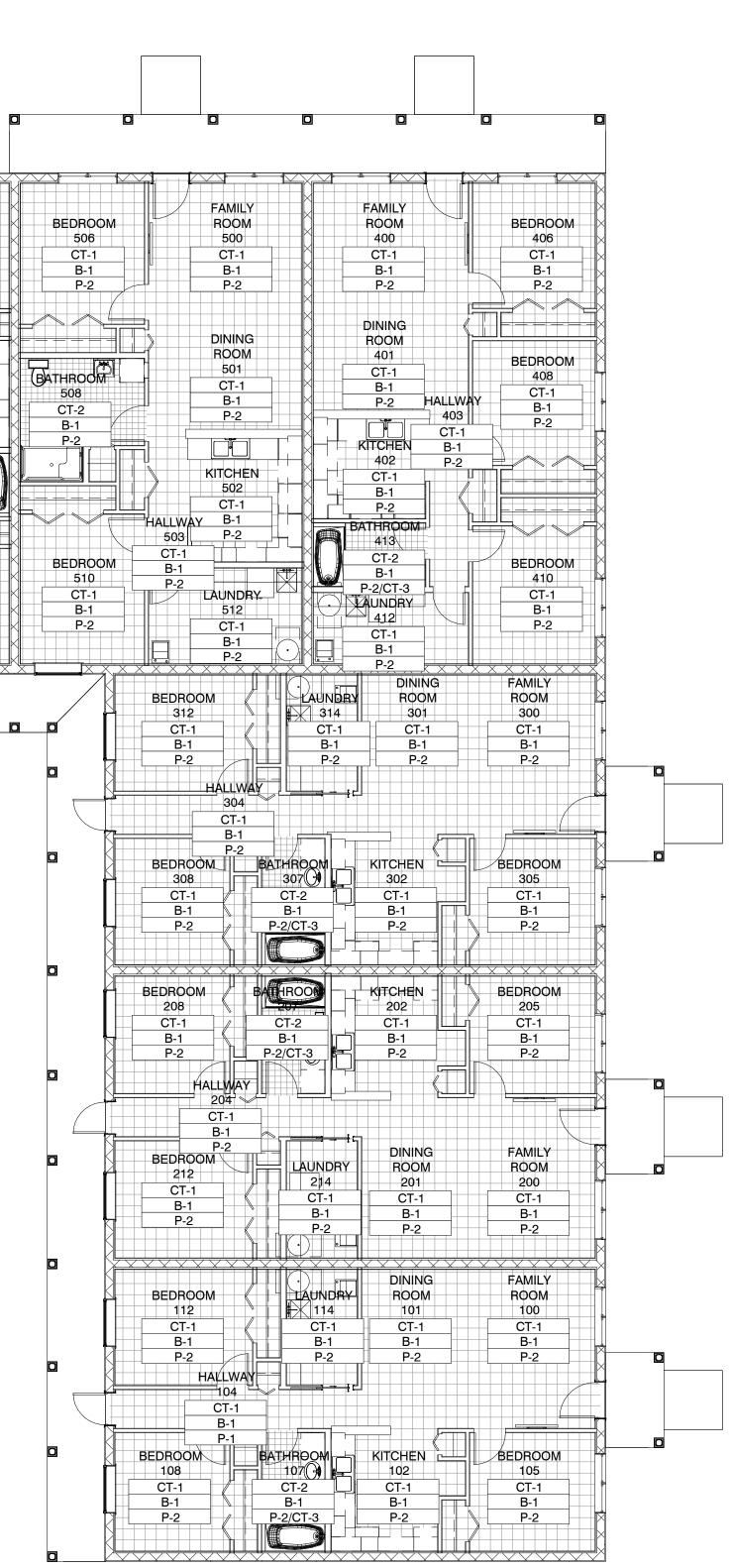
MILLWORK SECTIONS AND
DETAILS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	1 1/2" = 1'-0"









FINISH PLAN PHAS	E 2	
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	R		INISH S	SCHED	ULE	FINISH NOTES AND LEGEND
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish Comme	nts
100	FAMILY ROOM	CT-1	B-1	P-2	GWB-4	1. ALL INTERIOR FINISHES SHALL NOT EXCEED THE FLAME SPREAD AND SMOKE DEVELOPED REQUIREMENTS OF THE FLORIDA BUILDING CODE: CLASS A; FLAME SPREAD OF 76-200; SMOKE DEVELOPED 0-450
101 101	DINING ROOM DINING ROOM	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	2. ALL FLOORING MATERIALS SHALL HAVE A MANUFACTURER TESTED DCOF OF 0.42 OR
102 103	KITCHEN PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	GREATER
104	HALLWAY	CT-1	B-1	P-1	GWB-1	3. ALL FINISH SELECTIONS ARE LISTED AS A BASIS OF DESIGN. OWNER WILL APPROVE
105	BEDROOM	CT-1	B-1	P-2	GWB-4	FINAL SELECTIONS
106 107	CLOSET BATHROOM	CT-1 CT-2	B-1 B-1	P-1 P-2/CT-3	GWB-1 GWB-4	ROOM NAME ROOM FINISHES
107	BEDROOM	CT-2 CT-1	B-1	P-2	GWB-4	
109	CLOSET	CT-1	B-1	P-1	GWB-1	XX-X FLOOR FINISH XX-X A BASE FINISH
110	CLOSET LINEN	CT-1 CT-1	B-1 B-1	P-1 P-1	GWB-1 GWB-1	XX-X
111 112	BEDROOM	CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	
113	CLOSET	CT-1	B-1	P-1	GWB-1	FINISH SELECTION SCHEDULE
114 200	LAUNDRY FAMILY ROOM	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	
200	DINING ROOM	CT-1	B-1	P-2	GWB-4 GWB-4	FINISHES (FLOORS)
202	KITCHEN	CT-1	B-1	P-2	GWB-4	CT-1 PORCELAIN TILE BASIS OF DESIGN: DALTILE, STRAFORD PLACE
203 204	PANTRY HALLWAY	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	SIZE: 12" X 24" COLOR: ALABASTER SANDS SD91
204	BEDROOM	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	
206	CLOSET	CT-1	B-1	P-1	GWB-1	CT-2 PORCELAIN TILE - BATHROOMS BASIS OF DESIGN: DALTILE, AVONDALE
207	BATHROOM	CT-2	B-1	P-2/CT-3	GWB-4	SIZE: 12" X 24"
208 209	BEDROOM CLOSET	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	COLOR: CHATEAU CREME AD01
210	CLOSET	CT-1	B-1	P-1	GWB-1	WALL BASES
211	LINEN	CT-1	B-1	P-1	GWB-1	B-1 #5523 PVC COMPOSITE WHITE COLONIAL BASE MOULDING BASIS OF DESIGN: ROYAL BUILDING PRODUCTS
212 213	BEDROOM CLOSET	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	SIZE: 29/64" x 3 1/4" x 8'-0"
213	LAUNDRY	CT-1	B-1	P-2	GWB-1 GWB-4	COLOR: WHITE
300	FAMILY ROOM	CT-1	B-1	P-2	GWB-4	FINISHES (CEILINGS & WALLS)
301	DINING ROOM KITCHEN	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	GWB-4 GYPSUM WALLBOARD. LEVEL 4 JOINT COMPOUND FINISH. FINAL APPEARANCE SHALL HAVE NO MARKS OR RIDGES. READY FOR PRIMING,
302 303	PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	PAINT
304	HALLWAY	CT-1	B-1	P-2	GWB-4	CT-3 PORCELAIN TILE - BATHROOM SHOWERS
305	BEDROOM	CT-1	B-1	P-2	GWB-4	BASIS OF DESIGN: DALTILE, AVONDALE
306 307	CLOSET BATHROOM	CT-1 CT-2	B-1 B-1	P-1 P-2/CT-3	GWB-1 GWB-4	SIZE: 2" X 4" COLOR: CHATEAU CREME AD01
308	BEDROOM	CT-1	B-1	P-2	GWB-4	
309	CLOSET	CT-1	B-1	P-1	GWB-1	P-1 DOORS AND DOOR TRIM
310 311	CLOSET LINEN	CT-1 CT-1	B-1 B-1	P-1 P-1	GWB-1 GWB-1	BEHR PREMIUM PLUS, SATIN ENAMEL FINISH COLOR: PURE WHITE
312	BEDROOM	CT-1	B-1	P-1 P-2	GWB-1 GWB-4	
313	CLOSET	CT-1	B-1	P-1	GWB-1	P-2 WALLS KITCHEN/BATH - BEHR PREMIUM PLUS WHITE SEMI-GLOSS ENAMEL FINISH
314		CT-1	B-1	P-2	GWB-4	OTHER ROOMS - BEHR PREMIUM PLUS WHITE SATIN ENAMEL FINISH
400 401	FAMILY ROOM DINING ROOM	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	COLOR: PURE WHITE
402	KITCHEN	CT-1	B-1	P-2	GWB-4	P-3 CEILINGS
403	HALLWAY	CT-1	B-1	P-2	GWB-4	BEHR WHITE CEILING SATIN SHEEN
404 405	PANTRY CLOSET	CT-1 CT-1	B-1 B-1	P-1 P-1	GWB-1 GWB-1	COLOR: WHITE
406	BEDROOM	CT-1	B-1	P-2	GWB-4	P-4 EXTERIOR WALLS - MAIN COLOR
407	CLOSET	CT-1	B-1	P-1	GWB-1	VALSPAR DURAMAX EXTERIOR PAINT COLOR: PEACEFUL CALM #3005-2C
408 409	BEDROOM CLOSET	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	
409	BEDROOM	CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	P-5 EXTERIOR WALLS - TRIM VALSPAR DURAMAX EXTERIOR PAINT
411	CLOSET	CT-1	B-1	P-1	GWB-1	COLOR: WHITE
412 413	LAUNDRY BATHROOM	CT-1 CT-2	B-1 B-1	P-2 P-2/CT-3	GWB-4 GWB-4	PS PAINTED STRUCTURE
413 500	FAMILY ROOM	CT-2 CT-1	B-1 B-1	P-2/CT-3 P-2	GWB-4 GWB-4	GYPSUM WALLBOARD TYPE PRODUCT; PAINT ALL EXPOSED SURFACES,
501	DINING ROOM	CT-1	B-1	P-2	GWB-4	CONDUIT, DUCTWORK, ETC.
502	KITCHEN	CT-1	B-1 B-1	P-2	GWB-4	
503 504	HALLWAY PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	FINISH LEGEND
505	CLOSET	CT-1	B-1	P-1	GWB-1	
506	BEDROOM	CT-1	B-1	P-2	GWB-4	
507 508	CLOSET BATHROOM	CT-1 CT-2	B-1 B-1	P-1 P-2	GWB-1 GWB-4	CT-1
509	LINEN	CT-1	B-1	P-1	GWB-1	
510	BEDROOM	CT-1	B-1	P-2	GWB-4	CT-2
511 512	CLOSET LAUNDRY	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	
600	FAMILY ROOM	CT-1	B-1	P-2	GWB-4 GWB-4	
601	DINING ROOM	CT-1	B-1	P-2	GWB-4	
602 603	KITCHEN PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	———————————————————————————————————————
603 604	HALLWAY	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	——
605	BEDROOM	CT-1	B-1	P-2	GWB-4	
606 607	CLOSET	CT-1	B-1	P-1	GWB-1	
607 608	BATHROOM BEDROOM	CT-2 CT-1	B-1 B-1	P-2/CT-3 P-2	GWB-4 GWB-4	——
609	CLOSET	CT-1	B-1	P-1	GWB-1	
610	CLOSET	CT-1	B-1	P-1	GWB-1	
611 612	PANTRY BEDROOM	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	—
613	CLOSET	CT-1	B-1 B-1	P-1	GWB-1	
	LAUNDRY	CT-1	B-1	P-2	GWB-4	

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Titusville,

550 South Brown Street Project No.: 20211

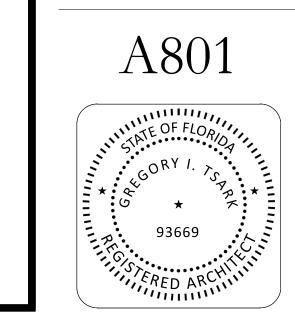
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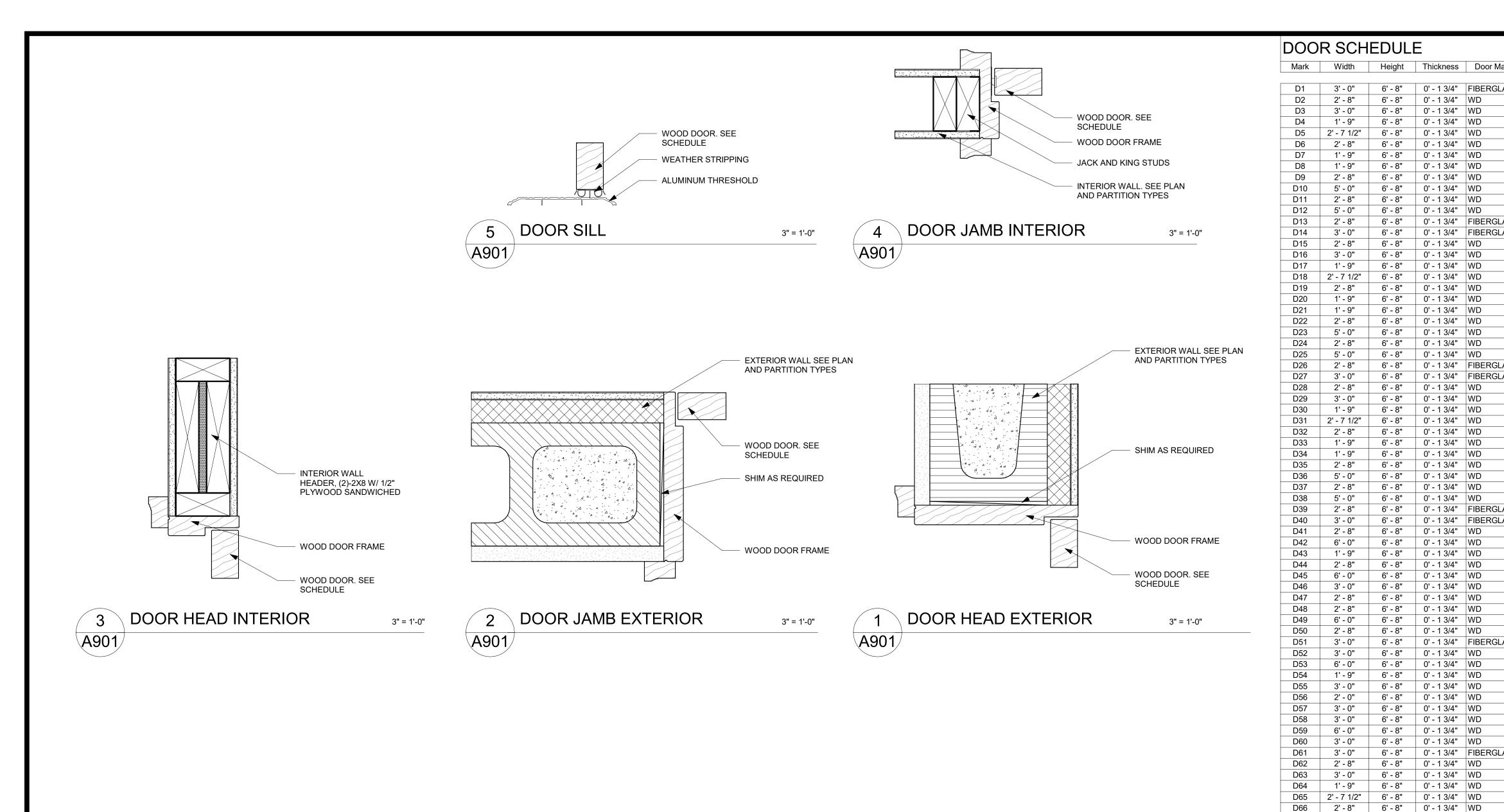
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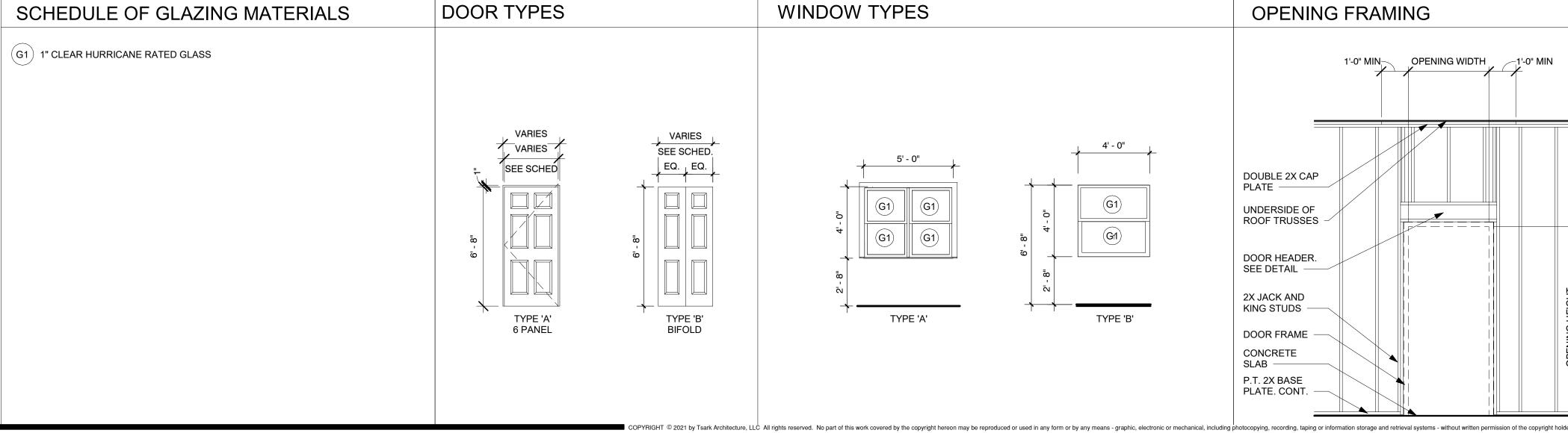
FINISH PLAN

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	1/8" = 1'-0"





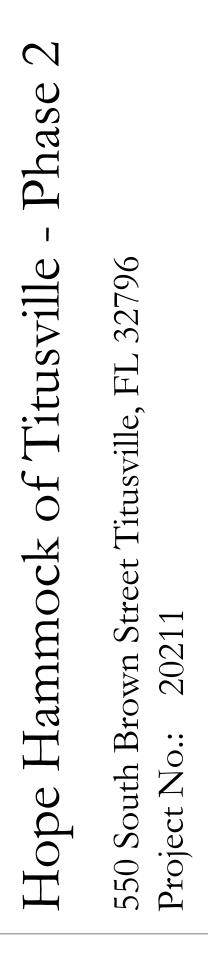
SCHEDULE OF G
G1 1" CLEAR HURRICANE RATE



DOO	R SCH	EDULI	E								
Mark	Width	Height	Thickness	Door Material	Door Finish	Door Type	Frame Material	Finish	Fire Rating	Hardware Set	Comments
D1	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D2	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D3	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D4	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D5 D6	2' - 7 1/2" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A A	 WD	PAINT PAINT			POCKET DOOR PRE-HUNG DOOR
D0	2 - 8 1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D8	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D9	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D10	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D11	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D12	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D13 D14	2' - 8" 3' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	FIBERGLASS FIBERGLASS	PAINT PAINT	A A	WD WD	PAINT PAINT			PRE-HUNG DOOR PRE-HUNG DOOR
D14	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D16	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D17	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D18	2' - 7 1/2"	6' - 8"	0' - 1 3/4"	WD	PAINT	A		PAINT			POCKET DOOR
D19	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D20	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D21	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D22 D23	2' - 8" 5' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A B	WD	PAINT PAINT			PRE-HUNG DOOR BI-FOLD DOOR
D23	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D25	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D26	2' - 8"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D27	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D28	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D29	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D30 D31	1' - 9" 2' - 7 1/2"	6' - 8" 6' - 8"	0' - 1 3/4"	WD WD	PAINT PAINT	B		PAINT PAINT			BI-FOLD DOOR POCKET DOOR
D31 D32	2 - 7 1/2 2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A A	 WD	PAINT			POCKET DOOR PRE-HUNG DOOR
D33	2 - 0 1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D34	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D35	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D36	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D37	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D38 D39	5' - 0" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD FIBERGLASS	PAINT PAINT	B	 WD	PAINT PAINT			BI-FOLD DOOR PRE-HUNG DOOR
D39 D40	2 - 8 3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A A	WD	PAINT			PRE-HUNG DOOR
D40	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D42	6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D43	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D44	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D45	6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D46	3' - 0" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4"	WD		B	 WD	PAINT PAINT			BI-FOLD DOOR PRE-HUNG DOOR
D47 D48	2 - 8 2' - 8"	6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A A	WD	PAINT			PRE-HUNG DOOR
D40	2 - 0 6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D50	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D51	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D52	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D53	6' - 0"	6' - 8"	0' - 1 3/4"	WD		В		PAINT			BI-FOLD DOOR
D54	1' - 9" 3' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD		B	 WD				
D55 D56	3' - 0" 2' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A B	WD 	PAINT PAINT			PRE-HUNG DOOR BI-FOLD DOOR
D50	2 - 0 3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT		<u> </u>	BI-FOLD DOOR
D58	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D59	6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D60	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D61	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D62	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D63	3' - 0"	6' - 8"	0' - 1 3/4"	WD		B					BI-FOLD DOOR
D64 D65	1' - 9" 2' - 7 1/2"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	B A		PAINT PAINT			BI-FOLD DOOR POCKET DOOR
D65	2 - 7 1/2 2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			POCKET DOOR PRE-HUNG DOOR
D67	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D68	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D69	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D70	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D71	2' - 8"	6' - 8"	0' - 1 3/4"	WD		A	WD				PRE-HUNG DOOR
D72 D73	5' - 0" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD FIBERGLASS	PAINT PAINT	B	 WD	PAINT PAINT			BI-FOLD DOOR PRE-HUNG DOOR
013	2 - Ö	0-0	0 - 1 3/4	I IDERGLASS	FAINT	A	٧٧D	FAINT			



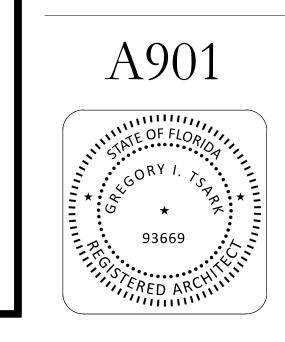
Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

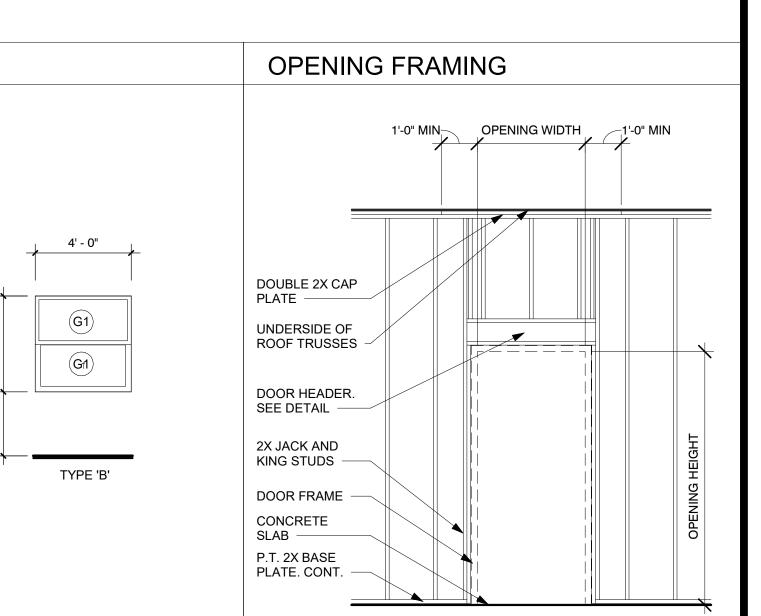


Description	Date

SCHEDULE OF OPENINGS, OPENING TYPES, FRAME TYPES

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	As indicated





Opening List		h. Mounting locations for hard i. Door and frame sizes and r	
	<u>me Type</u> WD WD	j. Name and phone number for product.	or local manufacturer's representative fo
203 U-7 WD 204 U-7 WD	ND ND ND	switches, magnetic holders or	lectric strikes, automatic operators, doo closer/holder units, and access control cription should include how door will ope
206 U-4 WD 207 U-7 WD	ND ND ND		moke alarm connection. ubmit door hardware schedule concurre ta, Samples, and Shop Drawings. Coor
209 U-3 WD 210 U-8 WD	WD WD WD	submission of door hardwa	re schedule with scheduling requirement cation of other work that is critical in Pro
212 U-8 WD 213 U-2 FG	WD WD WD		rovide keying schedule listing levels of em's function, key symbols used and do
215 U-3 WD 216 U-7 WD	WD WD WD	numbers controlled. b. Use ANSI/BHMA A156.28	Recommended Practices for Keying Sy definitions, and approach for selecting of
218 U-6 WD 219 U-4 WD	ND ND ND ND	keying system. c. Provide 3 copies of keying	schedule for review prepared and detail HI publication. Include schematic keying
221 U-7 WD 222 U-3 WD	ND ND ND ND	and index each key to unique of d. Index keying schedule by d	
224 U-3 WD 225 U-8 WD	WD WD WD	e. Provide one complete bittin illustrating system usage and e	g list of key cuts and one key system so
227 U-1 FG 228 U-3 WD	WD WD WD	by means as directed by O	wner. under supervision of supplier, detailing
230 U-7 WD 231 U-6 WD	WD WD WD	doors, frames and other work spe installation.	l of hardware schedule, provide templat cified to be factory prepared for door ha
233 U-7 WD 234 U-7 WD	WD WD WD	C. Informational Submittals: 1. Qualification Data: For Supplic Consultant.	er, Installer and Architectural Hardware
236 U-8 WD 237 U-3 WD	WD WD WD	 Certify that door hardware a 	ied door hardware, signed by manufactu approved for use on types and sizes of I listed fire-rated door assemblies.
239 U-2 FG 240 U-1 FG	WD WD WD	 Certificates of Compliance: a. Certificates of compliance f if requested by Architect or Au 	or fire-rated hardware and installation in thority Having Jurisdiction.
242 U-8 WD 243 U-7 WD	WD WD WD		Certification: Letter of compliance, signe etion of installer training meeting specifie cle, herein.
245 U-8 WD 246 U-7 WD	WD WD WD	compliance, signed by Contrac	ination Conference Certification: Letter ctor, attesting to completion of electrified ence, specified in "QUALITY ASSURANC
248 U-3 WD 249 U-8 WD	ND ND ND	on evaluation of comprehensive t	npliance with accessibility requirements ests performed by manufacturer and wit
251 U-1 FG 252 U-3 WD	ND ND ND	routes. 3. Warranty: Special warranty sp	or hardware on doors located in access pecified in this Section.
254 U-7 WD 255 U-4 WD	ND ND ND	include:	Data: Provide in accordance with Division
257 U-7 WD 258 U-3 WD	ND ND ND	and replacement parts, and in b. Catalog pages for each pro	
261 U-1 FG	ND ND ND	manufacturer. d. Parts list for each product.	number of local representatives for eac
264 U-7 WD	ND ND ND	f. Final keying scheduleg. Copies of floor plans with k	
267 U-7 WD	ND ND ND	voltage and 110 volts. i. Copy of warranties includin	s for each opening connected to power, g appropriate reference numbers for
270 U-8 WD 271 U-3 WD	ND ND ND	manufacturers to identify proje 1.2QUALITY ASSURANCE A. Product Substitutions: Comply with p	
273 U-2 FG	ND ND	Substitute," including make or mo	product is named and accompanied by del number or other designation, provide have been selected for their unique
SECTION 08 7100 - DOOR HARDWARE PART 1 -GENERAL 1.1RELATED DOCUMENTS		characteristics and particular proj a. Where no additional produc	
A. Drawings and general provisions of the Contr Supplementary Conditions and Division 01 Spec 1.2SUMMARY		B. Supplier Qualifications and Responsi supplier with record of successful in-ser similar in quantity, type, and quality to th	bilities: Recognized architectural hardwa vice performance for supplying door har
A. Section includes: 1. Mechanical and electrified door hardwa a. Swinging doors. B. Related Sections:	re for:	certified Architectural Hardware Consult Contractor, at reasonable times during t 1. Warehousing Facilities: In Pro	ant (AHC) available to Owner, Architect he Work for consultation.
1. Division 01 Section "Alternates" for alter 2. Division 07 Section "Joint Sealants" for threshold installation specified in this section	sealant requirements applicable to	schedules.	eparation of door hardware and keying reparation of data for electrified door har
 Division 09 sections for touchup finishi modified by this section. 1.3REFERENCES 		manufacturer's standard units in a Project.	on testing and engineering analysis of assemblies similar to those indicated for
 A. UL - Underwriters Laboratories 1. UL 10B - Fire Test of Door Assemblies 2. UL 10C - Positive Pressure Test of Fire 	Door Assemblies	hardware with Architect and elect technical data to Architect and oth	
3. UL 1784 - Air Leakage Tests of Door A 4. UL 305 - Panic Hardware B. DHI - Door and Hardware Institute		verify that all components are C. Installer Qualifications: Qualified trad	esmen, skilled in application of commer
 Sequence and Format for the Hardwar Recommended Locations for Builders Key Systems and Nomenclature 		hardware with record of successful in-se similar in quantity, type, and quality to th D. Architectural Hardware Consultant Q	at indicated for this Project. ualifications: Person who is experience
C. ANSI - American National Standards Institute 1. ANSI/BHMA A156.1 - A156.29, and AN Hardware and Specialties.	ISI/BHMA A156.31 - Standards for	providing consulting services for door ha material, design, and extent to that indic requirements:	ated for this Project and meets these
D. Florida Building Codes. 1.4SUBMITTALS A. General:		Can provide installation and te subcontractors.	ed, Architectural Hardware Consultant (chnical data to Architect and other relate
 Submit in accordance with Conditions or requirements. Highlight, encircle, or otherwise specification 		installation. 4. Capable of producing wiring di	
from Contract Documents, issues of incon detrimentally affect the Work. 3. Prior to forwarding submittal, comply w	ith procedures for verifying existing door	electrical engineers. E. Single Source Responsibility: Obtair manufacturer.	ation of electrified hardware with Archite n each type of door hardware from single
and frame compatibility for new hardware, "EXAMINATION" article, herein. B. Action Submittals:		 Provide electrified door hardwate hardware, unless otherwise indicate 	are from same manufacturer as mechar ated. ectrical modifications and that are listed
 Product Data: Product data including r each item of door hardware, installation in parts and finish, and other information nec 	structions, maintenance of operating		e to authorities having jurisdiction are ac n Components testing: Listed and labele
requirements. 2. Riser and Wiring Diagrams: After final details of electrified door hardware, indica	ing:	according to ANSI A250.13. Further con Openings. G. Fire-Rated Door Openings: Provide	npliance with Florida Building Codes for
 a. Wiring Diagrams: For power, signa 1) Details of interface of electrified security systems. 2) Schematic diagram of systems t 	door hardware and building safety and	complies with NFPA 80 and requiremen items of door hardware that are listed ar Underwriters Laboratories, Intertek Test	ts of authorities having jurisdiction. Prov nd are identical to products tested by
 ardware. 3) Point-to-point wiring. 4) Risers. 		organizations acceptable to authorities h doors indicated, based on testing at pos UL 10C and in compliance with requiren	naving jurisdiction for use on types and s itive pressure and according to NFPA 2
 Samples for Verification: If requested l sample installations of each type of expos tagged with full description for coordination 	ed hardware unit in finish indicated, and	H. Smoke- and Draft-Control Door Asse assemblies are required, provide door h tested according to UL 1784 and installe	ardware that meets requirements of ass ed in compliance with NFPA 105.
a. Samples will be returned to supplier	in like-new condition. Units that are check of operations, be incorporated into	 Air Leakage Rate: Maximum a differential of 0.3-inch wg of water I. Electrified Door Hardware: Listed an 	air leakage of 0.3 cfm/sq. ft. at tested pro .d labeled as defined in NFPA 70, Article
4. Door Hardware Schedule: Submit sch format as illustrated by Sequence of Form published by the Door and Hardware Instit	edule with hardware sets in vertical at for the Hardware Schedule as	testing agency acceptable to authorities J. Means of Egress Doors: Latches do Locks do not require use of key, tool, or	not require more than 15 lbf to release special knowledge for operation.
each item required for each door or opening			<pre>ilations cited in "REFERENCES" article, do not require tight grasping, pinching,</pre>
b. Opening Lock Function Spreadshee each opening. c. Type, style, function, size, and finisl	-		rements: nged Doors: 5 lbf applied perpendicular
 d. Name and manufacturer of each ite e. Fastenings and other pertinent infor 	m.	c. Fire Doors: Minimum open jurisdiction.	Ibf applied parallel to door at latch. ing force allowable by authorities having
	nbols, and codes contained in schedule.	3. Bevel raised thresholds with sl more than 1/2 inch high.	ope of not more than 1:2. Provide thres

cturer's representative for each

- ny electrified hardware (locks, utomatic operators, door position nits, and access control
- nclude how door will operate on nection. ware schedule concurrent with
- nd Shop Drawings. Coordinate h scheduling requirements of work that is critical in Project
- chedule listing levels of keying as key symbols used and door
- Practices for Keying Systems" approach for selecting optimal
- view prepared and detailed in Include schematic keying diagram
- yset, hardware heading number, npina instructions. s and one key system schematic
- stem schematic directly to Owner,
- sion of supplier, detailing Owner's
- hedule, provide templates for tory prepared for door hardware
- Architectural Hardware
- are, signed by manufacturer: e on types and sizes of labeled door assemblies.
- dware and installation instructions lurisdiction. tter of compliance, signed by training meeting specified in
- nce Certification: Letter of completion of electrified n "QUALITY ASSURANCE"
- ccessibility requirements, based by manufacturer and witnessed doors located in accessible
- ection.
- n accordance with Division 01 and ce. and adjustment; data on repair
- I representatives for each
- to reflect conditions as installed.
- ing connected to power, both low eference numbers for
- ents stated in Division 01 and as ed and accompanied by "No other designation, provide product ected for their unique
- urers are listed in product
- vern product selection. nized architectural hardware ce for supplying door hardware this Project and that provides lable to Owner, Architect, and
- or hardware and keying
- ata for electrified door hardware, ngineering analysis of lar to those indicated for this
- ation of electronic security and provide installation and ontractors.
- dware installation, inspect and n application of commercial grade nce for installing door hardware
- this Project. Person who is experienced in tions that are comparable in
- ject and meets these I Hardware Consultant (AHC).
- Architect and other related king order upon completion of
- ed hardware with Architect and
- oor hardware from single nanufacturer as mechanical door
- ations and that are listed by testing having jurisdiction are acceptable. esting: Listed and labeled by a aving jurisdiction, based on testing
- orida Building Codes for Exterior for fire-rated openings that having jurisdiction. Provide only
- to products tested by other testing and inspecting on for use on types and sizes of and according to NFPA 252 or
- ed door and door frame labels. smoke- and draft-control door eets requirements of assemblies with NFPA 105.
- .3 cfm/sq. ft. at tested pressure fined in NFPA 70, Article 100, by
- re than 15 lbf to release latch. dge for operation.
- loors in an accessible route, "REFERENCES" article, herein. tight grasping, pinching, or more than 5 lbf.
- bf applied perpendicular to door. allel to door at latch. ble by authorities having
- than 1:2. Provide thresholds not

4. Adjust door closer sweep periods so that, from open position of 70 degrees, door will take at least 3 seconds to move to 3 inches from latch, measured to leading edge of door.

1.2BORED LOCKS – GRADE 2, STANDARD DUTY

3. Fit modified ANSI A115.2 door preparation.

7. 1/2" inch throw latchbolt for all single doors.

2. Acceptable Manufacturers: Sargent DL series.

2. Cylinders: Refer to "KEYING" article, herein.

Provide proper latch throw for UL listing at pairs.

b. Fit modified ANSI A115.3 door preparation.

d. 2-3/4" backset, or 2 3/8" backset as needed.

f. Provide locksets with 6-pin core.

manufacturer's series as indicated.

system per "KEYING" article herein.

cylinders/cores involved at no additional cost to Owner.

following requirements in Project locations as indicated.

B. Keying Requirements – General for Commercial

b. Provide (6) Master Kevs.

c. Provide (2) Control Kevs

1. Scheduled Manufacturer: lves

B. Provide door stops at each door leaf as specified.

1. Scheduled Manufacturer: National Guard

2. Acceptable Manufacturers: lves, Rockwood

involved at no additional cost to Owner.

1.8SLIDING, BI-FOLDING DOOR HARDWARE

1. Cox, Arthur & Sons, Inc.

3. Johnson, L. E. Products, Inc.

4. Stanley Commercial Hardware.

connections before electrified door hardware installation.

2. Hager Companies.

to coordinate with frame color.

specified herein.

2. Identification: Stamp all keys with keyset symbol

a. Provide (2) operating keys per keyed core.

2. Acceptable Manufacturers: Dorma, Sargent.

A. Manufacturers and Products:

2-3/4" backset standard

A. Manufacturers and Products:

prevent lever sag.

roses on both sides.

2. Requirements:

A. Manufacturer and Product:

not include actual key cuts.

by Owner.

1.4KEYING

D. Keys

1.5DOOR STOPS

A. Manufacturers:

A. Manufacturers:

B. Requirements:

1.7DOOR VIEWERS

A. Manufacturers:

with pocket sets.

1.9FINISH

PART 2 - EXECUTION

2.1EXAMINATION

2.2PREPARATION

1.6THRESHOLDS, GASKETING

H. Replaceable Construction Cores.

. Permanent Keyed Cores:

following key system.

restricted keyway

3. Quantity of keys:

lockset warrantv.

e. 1" throw deadbolt.

Lever Design: "T", Tempo.

b. Rose Design: Standard.

1. Manufacturers and Products:

5. Latch Faceplate 1 1/8" x 2 1/4".

6. ANSI Strike 1 1/4" x 4 7/8" standard.

9. Lever Design: "M" Summit Lever.

1.1TUBULAR LOCKS - GRADE 2, STANDARD DUTY

B. Requirements

B. Requirements

1.2DEADBOLT LOCKS

1.3CYLINDERS

A. Cylindrical Deadbolt

Grade 2.

- . Keying Conference: Conduct conference at Project site to comply with requirements in Division 01. 1. Attendees: Owner, Contractor, Architect, Installer, and Supplier's Architectural
- Hardware Consultant. 2. Incorporate keying conference decisions into final keying schedule after
- reviewing door hardware keying system including:
- a. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
- b. Preliminary key system schematic diagram. c. Requirements for key control system.
- d. Requirements for access control.
- e. Address for delivery of keys.
- A. Pre-installation Conference: Conduct conference at Project site. 1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delavs
 - 2. Inspect and discuss preparatory work performed by other trades.
 - 3. Inspect and discuss electrical roughing-in for electrified door hardware.
- 4. Review sequence of operation for each type of electrified door hardware.
- 5. Review required testing, inspecting, and certifying procedures. B. Coordination Conferences:
- 1. Installation Coordination Conference: Prior to hardware installation, schedule and hold meeting to review questions or concerns related to proper installation and adjustment of door hardware.
- 2. Electrified Hardware Coordination Conference: Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.
- 1.2DELIVERY, STORAGE, AND HANDLING A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered
- to Project site. B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary
- fasteners with each item or package. 1. Deliver each article of hardware in manufacturer's original packaging. C. Project Conditions:
- 1. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods. 2. Provide secure lock-up for door hardware delivered to Project, but not yet installed. Control handling and installation of hardware items so that completion of
- Work will not be delayed by hardware losses both before and after installation. D. Protection and Damage:
- 1. Promptly replace products damaged during shipping. 2. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work.
- 3. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- E. Deliver keys to manufacturer of key control system for subsequent delivery to Owner. F. Deliver keys and permanent cores to Owner by registered mail, overnight package service or hand delivery with signed receipt. 1.3COORDINATION
- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete. Concrete, reinforcement, and formwork requirements are specified in Division 03.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems. E. Existing Openings: Where hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide proper door operation.
- F. Direct shipments not permitted, unless approved by Contractor. 1.4WARRANTY
- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
- 1. Warranty Period: Years from date of Substantial Completion, for durations
- indicated a. Locksets:
- 1) Mechanical: 3 years. 2. Warranty does not cover damage or faulty operation due to improper
- installation, improper use or abuse 1.5MAINTENANCE
- A. Maintenance Tools:
- 1. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders. PART 2 - PRODUCTS
- 2.1MANUFACTURERS
- A. The Owner requires use of certain products for their unique characteristics and particular project suitability to ensure continuity of existing and future performance and maintenance standards. After investigating available product offerings Awarding Authority has elected to prepare proprietary specifications. B. Approval of manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product
- category shall be in accordance with QUALITY ASSURANCE article, herein. C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- D. Hand of Door: Drawings show direction of slide, swing, or hand of each door leaf. Furnish each item of hardware for proper installation and operation of door movement as
- E. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.
- 2.2MATERIALS A. Fasteners
 - 1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation. 2. Furnish screws for installation with each hardware item. Finish exposed
 - (exposed under any condition) screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
 - 3. Provide concealed fasteners for hardware units exposed when door is closed except when no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite
- face is exposed in other work unless thru-bolts are required to fasten hardware securely. Review door specification and advise Architect if thru-bolts are required. 4. Install hardware with fasteners provided by hardware manufacturer. 1.1HINGES
- A. Provide Five-knuckle, Ball Bearing hinges.
- 1. Manufacturers and Products: a. Scheduled Manufacturer and Product: Stanley FBB/CB series
 - b. Acceptable Manufacturer: lves 5BB series, McKinney TA series, Hager BB series.
- B. Requirements, unless otherwise specified:
 - 1. 1-3/4" thick doors, up to and including 36 inches wide: a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inch high. b. Interior: Standard weight, steel, 4-1/2 inch high.
 - 2. 1-3/4" thick doors over 36 inches wide:
 - a. Exterior: Heavy weight, bronze/stainless steel, 5 inch high. b. Interior: Heavy weight, steel, 5 inch high.
 - 3. 2" or thicker doors:

a. Steel Hinges: Steel pins.

degree of opening.

b. Non-Ferrous Hinges: Stainless steel pins.

e. Interior Non-lockable Doors: Non-rising pins.

c. Out-Swinging Exterior Doors: Non-removable pins.

d. Out-Swinging Interior Lockable Doors: Non-removable pins.

furnish hinges 5" high, heavy weight or standard weight as specified.

9. Provide exterior hinges with additional corrosion resistant coating.

- a. Exterior: Heavy weight, bronze or stainless steel, 5 inch high.
- b. Interior: Heavy weight, steel, 5 inch high.
- 4. Provide three hinges per door leaf for doors 90 inches or less in height, and one additional hinge for each 30 inches of additional door height. 5. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing

6. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:

7. Width of hinges: 4-1/2" at 1-3/4" thick doors, and 5" at 2" or thicker doors.

Adjust hinge width as required for door, frame, and wall conditions to allow proper

8. Doors 36" wide or less furnish hinges 4-1/2" high; doors greater than 36" wide

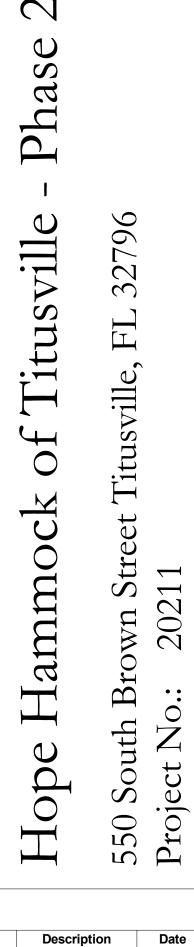
2. Field modify and prepare existing door and frame for new hardware being 3. When modifications are exposed to view, use concealed fasteners, when 1. Scheduled Manufacturers and Products: Stanley Commercial QCL200 Series. 2. Acceptable Manufacturers: Dorma CL700 Series, Sargent 10 Line series. possible 4. Prepare hardware locations and reinstall in accordance with installation 1. Certified by BHMA for ANSI A156.2 Series Grade 2, UL10C listed. requirements for new door hardware and with: a. Steel Doors and Frames: For surface applied door hardware, drill and tap 2. ANSI A117.1 Accessibility Code (ADA Compliant). doors and frames according to ANSI/SDI A250.6. b. Wood Doors: DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors." c. Doors in rated assemblies: NFPA 80 for restrictions on on-site door hardware preparation. 8. Function and design as indicated in the hardware groups. 1.1INSTALLATION A. Mounting Heights: Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations. 1. Standard Steel Doors and Frames: ANSI/SDI A250.8. 1. Scheduled Manufacturer and Product: Stanley QGT Series. 2. Custom Steel Doors and Frames: HMMA 831. 3. Wood Doors: DHI WDHS.3. "Recommended Locations for Architectural Hardware for Wood Flush Doors." Provide tubular lever sets conforming to ANSI/BHMA A156.2 Series 4000, B. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer. C. Do not install surface mounted items until finishes have been completed on substrate. 3. Provide locks with standard 2-3/4" backset, unless noted otherwise, with 1/2" Protect all installed hardware during painting. latch throw. Provide 2-3/8" backset where noted of if door or frame detail requires. D. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation. 4. Provide lever sets with separate anti-rotation through bolts, and no exposed E. Drill and countersink units that are not factory prepared for anchorage fasteners. screws. Provide levers that operate independently with only 36-Degree rotation Space fasteners and anchors according to industry standards. F. Install operating parts so they move freely and smoothly without binding, sticking, or maximum and have external return spring cassettes mounted under roses to excessive clearance. 5. Lever Trim: Satin Chrome (626) levers without plastic inserts, and wrought G. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated or one hinge for every 30 inches of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided. H. Lock Cylinders: Install construction cores to secure building and areas during construction period. 1. Replace construction cores with permanent cores as indicated in keying a. Scheduled Manufacturers and Products: Stanley Commercial QDB200 section. I. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, b. Acceptable Manufacturers: Dorma D800, Sargent 480 Series. and stair side of stairway doors from corridors. Closers shall not be visible in corridors, lobbies and other public spaces unless approved by Architect. a. Tested and approved by ANSI A156.5, Operational Grade 2. J. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants." c. Locksets and cores to be of the same manufacturer to maintain complete K. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard. ... Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame. M. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is 1.2ADJUSTING 1. Scheduled Manufacturer and Product: Best Standard. A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be B. Requirements: Provide cylinders/cores complying with the following requirements. adjusted to operate as intended. Adjust door control devices to compensate for final 1. Cylinders/cores compliant with ANSI/BHMA A156.5; latest revision, Section 12, operation of heating and ventilating equipment and to comply with referenced Grade 1; permanent cylinders; cylinder face finished to match lockset, accessibility requirements. 1. Spring Hinges: Adjust to achieve positive latching when door is allowed to C. Full-sized cylinders with small format interchangeable cores (SFIC), in the below-listed close freely from an open position of 30 degrees. 2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly configuration(s), distributed throughout the Project as indicated. 1. Keying: Manufacturer-keyed permanent cylinders/cores, configured into keying engage lock bolt. 3. Door Closers: Adjust sweep period to comply with accessibility requirements 2. Features: Cylinders/cores shall incorporate the following features. and requirements of authorities having jurisdiction. D. Mark permanent cylinders/cores and keys with applicable blind code per DHI B. Occupancy Adjustment: Approximately three months after date of Substantial publication "Keying Systems and Nomenclature" for identification. Blind code marks shall Completion, Installer's Architectural Hardware Consultant shall examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure Identification stamping provisions must be approved by the Architect and Owner. function of doors, door hardware, and electrified door hardware. **1.3CLEANING AND PROTECTION** F. Failure to comply with stamping requirements shall be cause for replacement of A. Clean adjacent surfaces soiled by door hardware installation. 1. Forward cylinders/cores to Owner, separately from keys, by means as directed B. Clean operating items as necessary to restore proper function and finish. C. Provide final protection and maintain conditions that ensure door hardware is without G. Project Cylinder/Core Distribution: Provide cylinders/cores complying with the damage or deterioration at time of Substantial Completion. 1.4DEMONSTRATION A. Provide training for Owner's maintenance personnel to adjust, operate, and maintain 1. Provide temporary construction cores replaceable by permanent cores. Provide door hardware and door hardware finishes. Refer to Division 01 Section "Demonstration 12 operating keys for contractor use during construction. and Training. 1.5DOOR HARDWARE SCHEDULE A. Locksets, exit devices, and other hardware items are referenced in the following 1. Contractor to replace construction cores with permanent cores as directed by Owner. Installation will be in presence of owner representative, indicating keys hardware sets for series, type and function. Refer to the above specifications for special operate locking hardware and to turn over all permanent keys. features, options, cylinders/keying, and other requirements. A. Keying System: Factory registered, complying with guidelines in Manufacturer Lis ANSI/BHMA A156.28, incorporating decisions made at keying conference. <u>Code Name</u> BYBy Others 1. Permanent cylinders/cores keyed by the manufacturer according to the IV Ives NANational Guard C. Key Features: Provide keys with the following features. SHStanley Commercial Hardware ST Stanley 1. Patent Protection: Keys and blanks protected by a special broching in SYStanley MultiFamily TRTrimco 1. Material: Nickel silver; minimum thickness of .107-inch (2.3mm) **Finish List** Code Description AL Aluminum 26D Satin Chrome 603 Zinc Plated Coordinate with cylinder/core and key identification requirements above. 626 Satin Chromium Plated F. Stamp keys with Owner's unique key system facility code as established by the 626E Satin Chrome manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE". 630W Stainless Steel, Weatherized G. Failure to comply with stamping requirements shall be cause for replacement of keys US26D Chromium Plated, Dull Option List Code Description H Hurricane Compliant 2. Acceptable Manufacturers: Burns, Don-Jo, Rockwood, Trimco L4 2 3/4" Radius/Square Latch Face & Strike DBS Standard Deadbolt Strike 478S 47/8" ANSI Strike Hardware Sets 2. Acceptable Manufacturers: Pemko, Reese, Zero International 1. Provide thresholds, weatherstripping (including door sweeps, seals) and gasketing systems as specified and per architectural details. Match finish of other A. Door Viewer: 150 degree angle, one-way, solid brass body with glass lens. 1. Scheduled Manufacturer: lves U696 B, UL Listed or comparable product. B. General: BHMA A156.14; consisting of complete sets including rails, 4-wheel hangers, supports, bumpers, floor guides, and accessories indicated. Provide frames 1. Pocket Sliding Door Hardware: Rated for doors weighing 75 lb. C. Bi-Fold Door Hardware: Rated for doors weighing 50 lb. A. Designations used in Schedule of Finish Hardware - 3.7, and elsewhere to indicate hardware finishes are those listed in ANSI/BHMA A156.18 including coordination with traditional U.S. finishes shown by certain manufacturers for their products B. Powder coat door closers to match other hardware, unless otherwise noted. C. Aluminum items shall be finished to match predominant adjacent material. Gasketing A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. B. Existing Door and Frame Compatibility: Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions. C. Examine roughing-in for electrical power systems to verify actual locations of wiring

D. Proceed with installation only after unsatisfactory conditions have been corrected. A. Where on-site modification of doors and frames is required: 1. Carefully remove existing door hardware and components being reused. Clean, protect, tag, and store in accordance with storage and handling requirements

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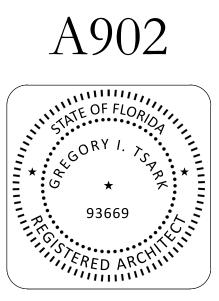
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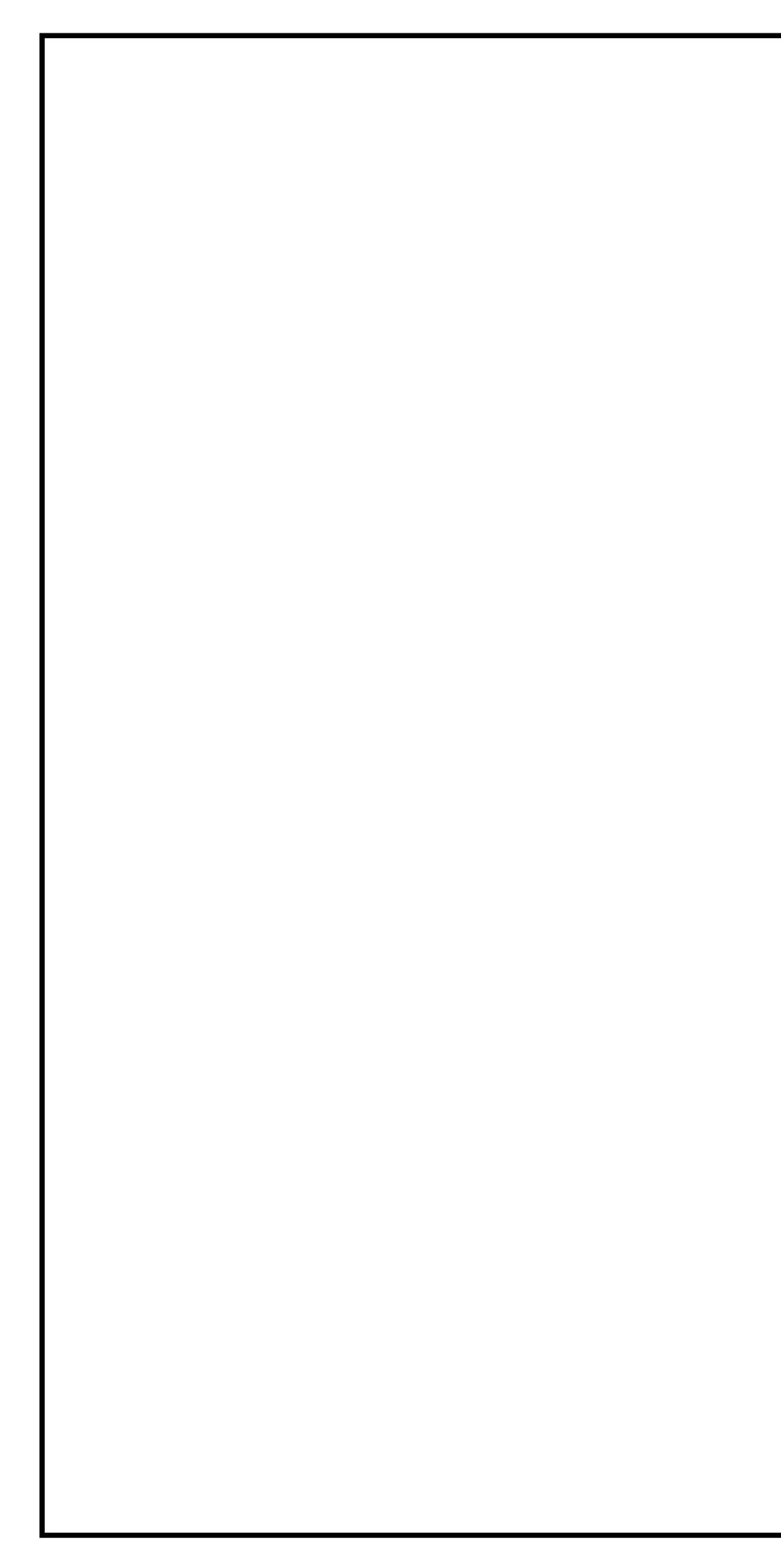


Description	Date
	Description

OPENING ELEVATIONS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	





SET #U-1 - Unit Entry - Front
Doors: 201, 214, 227, 240, 251, 261
 3 Hinges FBB179 4 1/2 X 4 1/2 US26D ST 1 Deadlock QDB281 BF- 6 Pin Comb DBS H 626 SH 1 Passage Set QCL230 M 478S H626 SH 1 Door Stop 63 F 626E IV 1 Viewer U 696 B 26D IV 1 Gasketing 5075 C NA 1 Door Bottom 36 EVDKB 36" NA 1 Saddle Threshold 425 SSMS/LA AL NA
SET #U-2 - Unit Entry - Rear
Doors: 213, 226, 239, 273
 3 Hinges CB191 4 1/2 X 4 1/2 NRP 630W ST 1 Deadlock QDB281 BF- 6 Pin Comb DBS H 626 SH 1 Passage Set QCL230 M 478S H626 SH 1 Crash Chain 4048 603 TR 1 Gasketing 5075 C NA 1 Door Bottom 36 EVDKB NA 1 Saddle Threshold 425 SSMS/LA AL NA
SET #U-3 - Unit Bedroom
Doors: 202, 209, 211, 215, 222, 224, 228, 235, 237, 241, 244, 248, 252, 258, 262, 269, 271
3 Hinges By Pre-hung Door Manufacturer626 BY 1 Privacy Set QGT240 T L4 626 SY 1 Door Stop 63 F 626E IV
SET #U-4 - Unit Bathroom
Doors: 206, 219, 232, 247, 255, 266
3 Hinges By Pre-hung Door Manufacturer626 BY 1 Privacy Set QGT240 T L4 626 SY 1 Door Stop 63 F 626E IV
SET #U-5 - Unit Laundry - Swing
Doors: 250, 260
3 Hinges By Pre-hung Door Manufacturer626 BY 1 Passage Set QGT230 T L4 626 SY 1 Door Stop 63 F 626E IV
SET #U-6 - Unit Laundry - Pocket
Doors: 205, 218, 231, 265
1 Pocket Door Pull 1065 626 TR 1 Pocket Door Set PD75-00-Size ST
SET #U-7 - Unit Closet Bi-Fold - Sgl
Doors: 203, 204, 207, 208, 216, 217, 220, 221, 229, 230, 233, 234, 243, 246, 254, 256, 257, 263, 264 267, 268
1 Pull 562-4 626 TR 1 Bifold Hardware Set BFC50-00-Size ST
SET #U-8 - Init Closet Bi-Fold - Dbl
Doors: 210, 212, 223, 225, 236, 238, 242, 245, 249, 253, 259, 270, 272

1 Pull 562-4 626 TR 1 Bifold Hardware Set BFC50-00-Size ST

END OF SECTION

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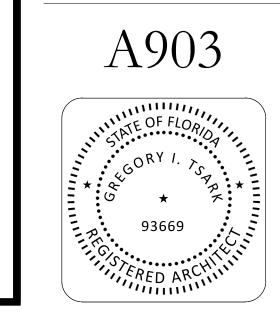
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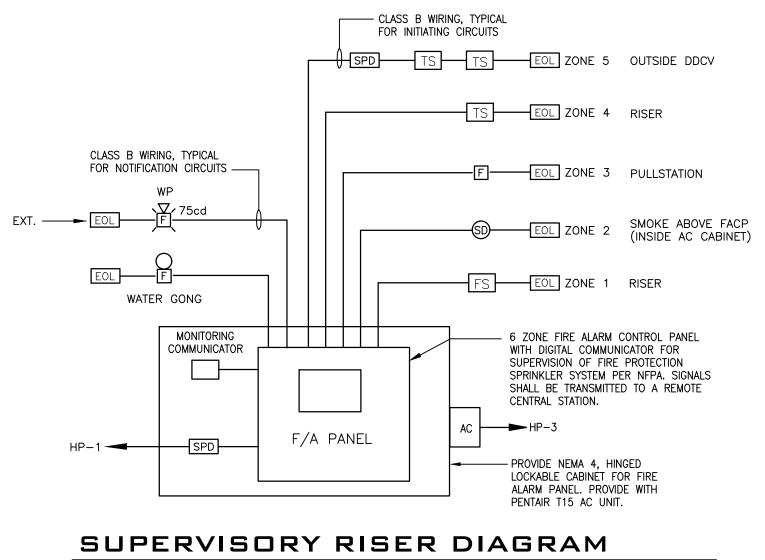
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OPENING DETAILS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	



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	BESONI HON		POLE	TRIP	Ø	N	GND	С"	Ľ			DESCRIPTION				POLE	TRIP	Ø	N	GND	C
1	FACP (LOCK ON)	0.2	1	20	12	12	12	3/4	a	2	SPA	RE				1	20				
3	FACP CABINET AC	0.35	1	20	12	12	12	3/4	b	4	SPA	RE				1	20				
5	RECEPT BELOW PANEL	0.18	1	20	12	12	12	3/4	a	6	SPA	RE				1	20				
7	SPACE								b	8	SPA	CE									
9									a	10											
11									b	12											
13									a	14											
15									b	16											
17									a	18											
		CON	INECT	ED LO	DAD	(KVA)) ØA			øВ											
	EQUIPMENT SERVE	D		CON	INECT	ED L	.OAD	LF	DF			DEMA	ND LOAD								
LIC	GHTING				0	.0				1.25			0.0		 PROVIDE TYPE WRITTEN DIRECTORY PROVIDE NEUTRAL AND GROUND BARS 						
MIS	SC. EQUIPMENT				0	.2				1.0			0.2			.2011					
RE	CEPTS (10KVA PLUS 50%			0.	18						C).18									
ΗV	AC EQUIPMENT			0.	35				1.0		C).35									
						TC	TAL	KVA	:	C).73										
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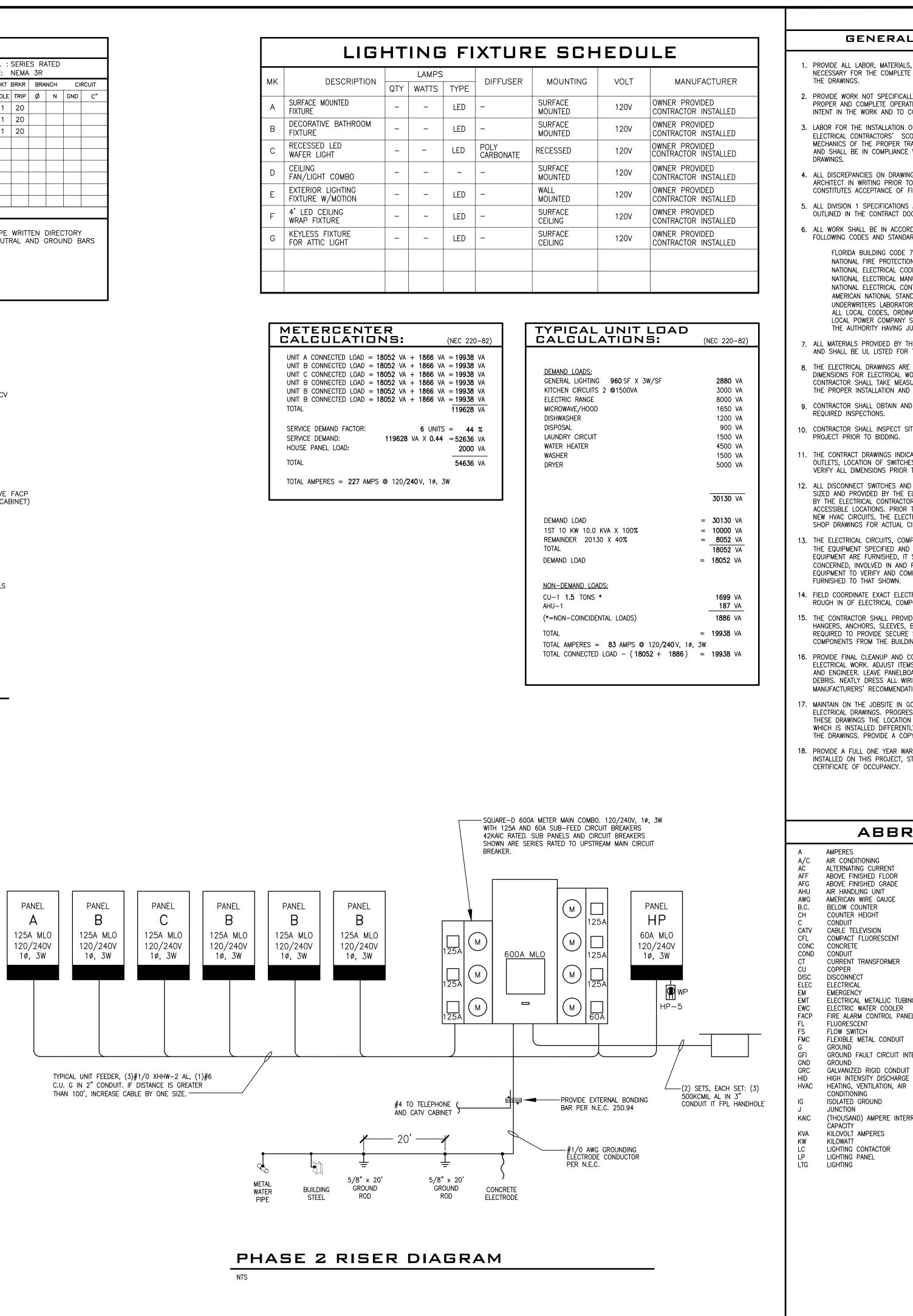


FIRE ALARM REQUIREMENTS

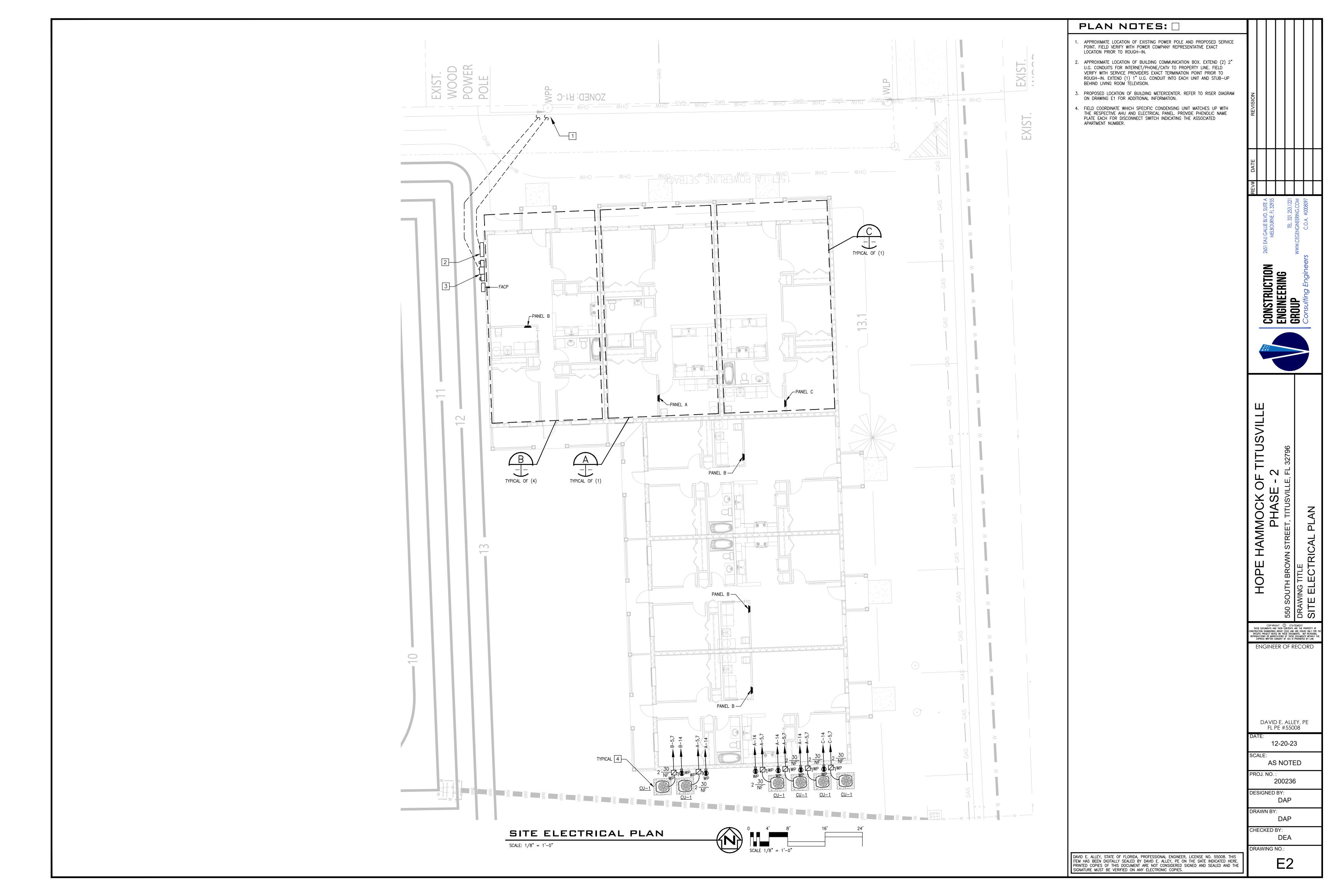
- PROVIDE A COMPLETE AND OPERATIONAL FIRE ALARM SUPERVISORY SYSTEM WHICH SHALL BE PROVIDED, INSTALLED AND TESTED TO MEET OR EXCEED THE REQUIREMENTS LISTED UNDER THE NEC, NFPA, LIFE SAFETY CODE, ALL LOCAL CODES AS NEEDED TO SUPERVISE THE SPRINKLER SYSTEM.
- 2. SUBMIT SHOP DRAWINGS FOR APPROVAL TO THE ARCHITECT/ENGINEER AND THE AHJ. SHOP DRAWINGS TO INDICATE IN DETAIL ALL WIRING REQUIREMENTS INCLUDING CONDUCTOR TYPES, SIZES AND NUMBER, DEVICE LOCATIONS, DETAILED BATTERY CALCULATIONS, SIGNAL CIRCUIT LOAD, LINE LOSS\VOLTAGE DROP CALCULATIONS, SYMBOL LIST INDICATING PART NUMBERS, CANDELA RATINGS, ADDRESSABLE DEVICE NUMBERING, ETC. INCLUDE RISER DIAGRAM THAT IS FULLY COORDINATED WITH THE PLANS. REFER TO FL STATUTES 61G15-32 FOR ADDITIONAL REQUIREMENTS.
- 3. ALL FIRE ALARM WORK SHALL BE PERFORMED BY A STATE LICENSED CERTIFIED FIRE ALARM CONTRACTOR.
- 4. FACP SHALL PERFORM ALL REQUIRED INITIATION AND NOTIFICATION. AND MONITOR FLOW AND TAMPER SWITCHES AS REQUIRED. PROVIDE PANEL WITH WIRELESS RADIO, MESH NETWORK OR CELLULAR TRANSMITTER FOR MONITORING PER NFPA 72.
- 5. PROVIDE SURGE PROTECTION FOR POWER CIRCUIT AND ALL CIRCUITS ENTERING BUILDING.
- 6. ALL NOTIFICATION APPLIANCES SHALL BE HAVE FIELD SELECTABLE CANDELA RATINGS AND HIGH AND LOW HORN OUTPUTS.
- 7. MINIMUM CONDUIT SIZE FOR FIRE ALARM SYSTEM SHALL BE 3/4".
- 8. REFER TO FIRE PROTECTION SHOP DRAWINGS FOR ACTUAL LOCATIONS OF ALL FLOW AND TAMPER SWITCHES, INCLUDING THOSE LOCATED OUTSIDE THE BUILDING. FIELD VERIFY LOCATIONS PRIOR TO ROUGHIN OF DEVICES.
- 9. ALL DEVICES INSTALLED IN WET OR DAMP LOCATIONS SHALL BE WEATHERPROOF. ALL WIRING IN THESE LOCATIONS SHALL BE LISTED FOR SUCH USE.
- 10. ALL INITIATING DEVICE CIRCUITS SHALL BE CLASS B. ALL NOTIFICATION CIRCUITS SHALL BE CLASS B. ALL SIGNALING LINE CIRCUITS SHALL BE CLASS B. SURVIVABILITY LEVEL 0.
- 11. FIRE ALARM CONTRACTOR SHALL SUBMIT OPERATIONS AND MAINTENANCE PROCEDURES, MANUALS, SYSTEM DOCUMENTS, INSTRUCTIONS TO OWNER'S PERSONNEL WITH PROJECT CLOSEOUT DOCUMENTS.

FIRE ALARM SYMBOLS

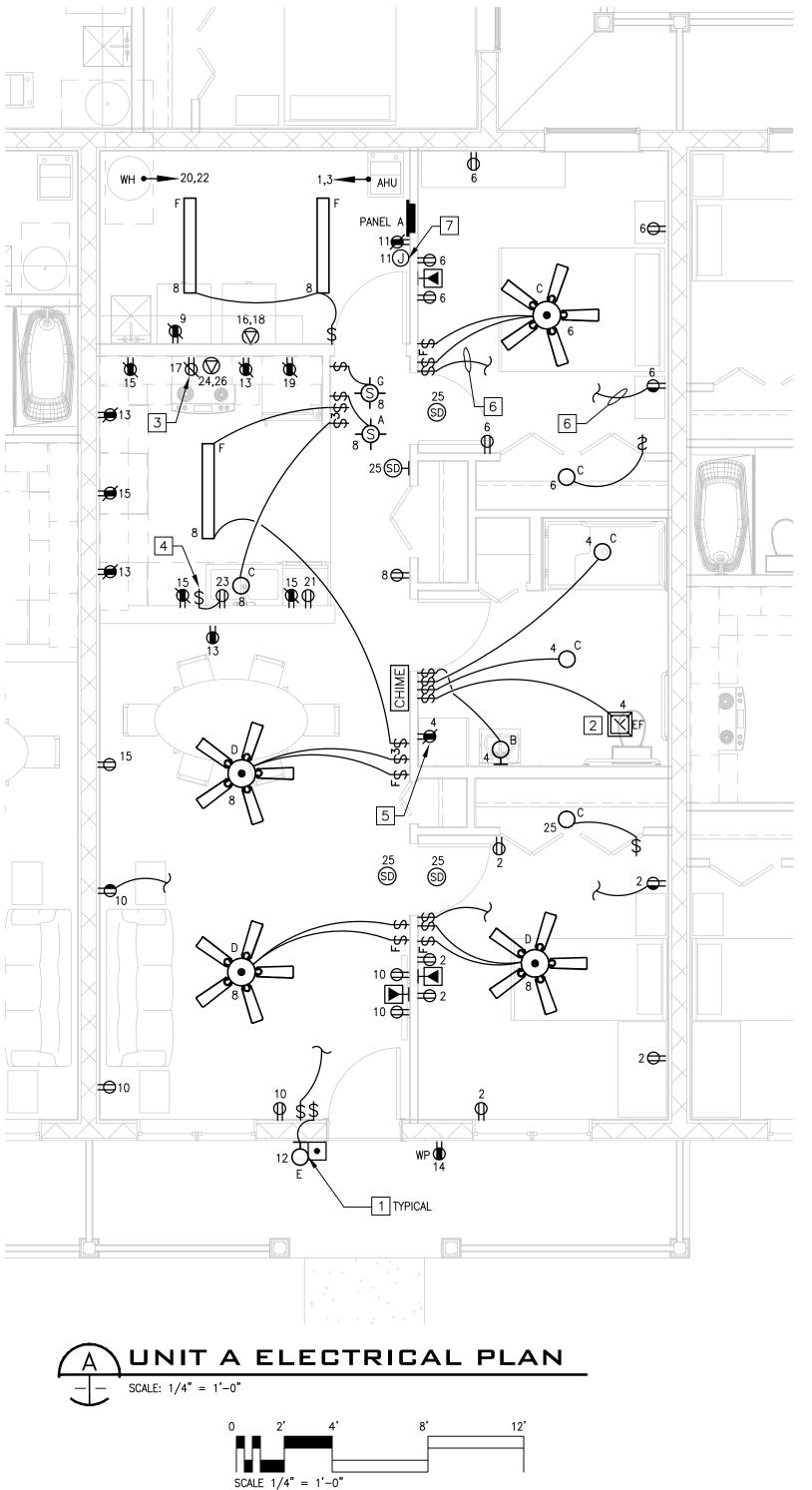
SD PHOTOELECTRIC SMOKE DETECTOR. ÌFÍ STROBE DEVICE. MOUNT AT 80" AFF, UON. ÌFÍ∕. HORN/STROBE DEVICE. MOUNT AT 80" AFF, UON. F MANUAL PULL STATION. MOUNT TOP OF DEVICE LESS THAN 46" AFF. FACP FIRE ALARM CONTROL PANEL TS TAMPER SWITCH FS FLOW SWITCH SURGE PROTECTION DEVICE SPD WATER GONG

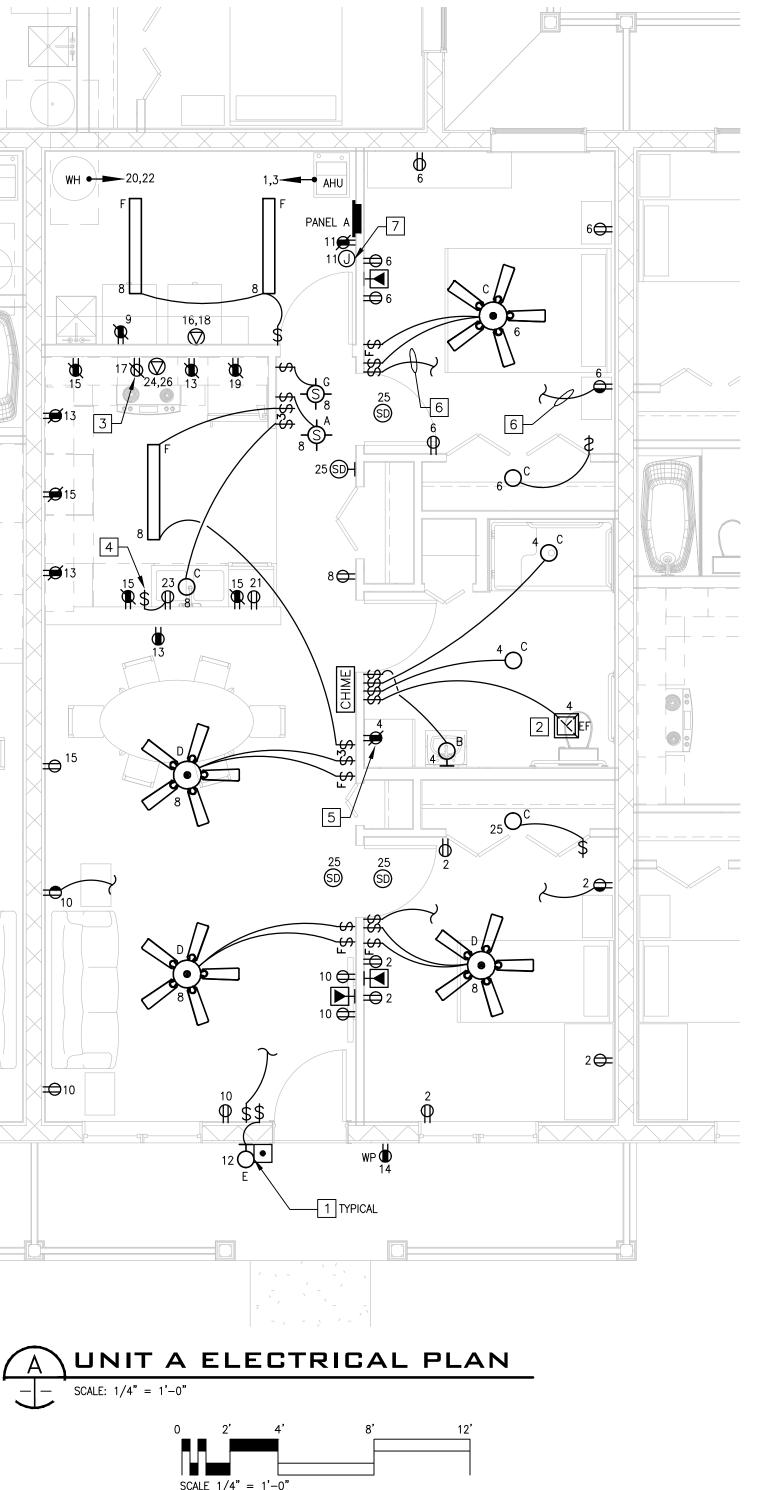


AL REQUIREMENTS ALS, EQUIPMENT, AND TOOLS TO PERFORM ALL WORK ETE EXECUTION OF THE ELECTRICAL WORK AS SHOWN ON CALLY SHOWN OR SPECIFIED, YET REQUIRED TO INSURE RATIONS OF ALL SYSTEMS AND TO SATISFY THE DESIGN COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. N OF MATERIALS AND EQUIPMENT FURNISHED UNDER THE SCOPE OF WORK SHALL BE PERFORMED BY EXPERIENCED TRADE AND ALL WORKMANSHIP SHALL BE FIRST CLASS CE WITH THE SPECIFIC REQUIREMENTS OF THE CONTRACT WINGS SHALL BE BROUGHT TO THE ATTENTION OF THE TO SUBMISSION OF BIDS. SUBMISSION OF A BID F FIELD CONDITIONS. NS AND ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS DOCUMENTS SHALL APPLY TO ELECTRICAL SYSTEMS. CORDANCE WITH THE LATEST ADOPTED EDITION OF THE IDARDS: E 7TH ADDITION TION ASSOCIATION, (NFPA) CODE, 2017 (NEC) MANUFACTURERS ASSOCIATION, (NECA) TANDARDS INSTITUTE, (ANSI) TORIES, (UL) DINANCES, REQULATIONS Y STANDARDS 3 JURISDICTION. THE CONTRACTOR SHALL BE NEW AND FREE OF DEFECTS OR THE INTENDED APPLICATION. WE NOT TO BE SCALED. WHERE SPECIFIC DETAILS AND WORK ARE NOT SHOWN ON THE DRAWINGS, THE ASUREMENTS AND MAKE LAYOUTS AS REQUIRED FOR FOR NO TO BE SCALED. WHERE SPECIFIC DETAILS AND WORK ARE NOT SHOWN ON THE DRAWINGS THE ASUREMENTS AND MAKE LAYOUTS AS REQUIRED FOR FOR NO COMPLETION OF THE WORK. AND FURNISH ALL PERMITS, AND ARRANGE FOR ALL	 GENERAL NOTES UNIT SMOKE DETECTORS SHALL BE 120V AC WITH BATTERY BACK UP AND SHALL BE LOCATED 3 FEET MIN. AWAY FROM SUPPLY DIFFUSERS, TYPICAL FOR ALL UNITS. INTERLOCK WITH EACH OTHER AS REQUIRED FOR COMMON NOTIFICATION. (MULTIFAMILY RATED). OUTLET LOCATIONS SHOWN ARE GENERAL IN NATURE. CONTRACTOR SHALL ADJUST QUANTITY AND LOCATIONS AS REQUIRED FOR FIELD CONDITIONS IN ORDER TO MEET NEC SPACING REQUIREMENTS. ALL SWITCHES AND RECEPTACLES SHALL BE RESIDENTIAL STYLE, WHITE IN COLOR WITH MATCHING FACEPLATES. UNLESS OTHERWISE NOTED. WHERE BATHROOM RECEPTACLES ARE INSTALLED "WITHIN" MIRROR, PROVIDE MATCHING MIRRORED FACEPLATE. PROVIDE STAINLESS STEEL FACEPLATES AND GRAY RECPTACLES FOR RECEPTACLES INSTALLED ABOVE COOKTOP BACKSLASH. SUBMIT SAMPLE TO ARCHIECT FOR APPROVAL PRIOR TO CONSTRUCTION OF UNIT. RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT. CAREFULLY REVIEW ALL BUILDING ELEVATIONS AND WINDOW TYPES WITH FLOOR PLANS TO DETERMINE IF ANY PERIMETER RECEPTACLES ARE REQUIRED TO BE RECESSED FLOOR MOUNTED INSTEAD OF WALL MOUNTED. PROVIDE HACR RATED CIRCUIT BREAKERS FOR HVAC EQUIPMENT, COORDINATE WITH MANUFACTURERS EQUIPMENT NAMEPLATE PRIOR TO ORDERING. COORDINATE WIRE SIZES AND CIRCUIT BREAKERS FOR ALL APPLIANCES AND A/C EQUIPMENT TO BE PROVIDED PRIOR TO ORDERING. COORDINATE WIRE SIZES AND CIRCUIT BREAKERS FOR ALL APPLIANCES AND A/C EQUIPMENT TO BE PROVIDED PRIOR TO ORDERING. DRYER AND RANGE RECEPTACLES SHALL BE 240V, 3-WIRE PLUS GROUND. DRAWINGS AND SPECIFICATIONS ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. REVIEW THE GENERAL NOTES. SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATION AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT	CTION CTION2651 EAU GALIE BLVD, SUITE MELBOURNE, FL 32735REV#DATEREVISIONICTION MELBOURNE, FL 327352651 EAU GALIE BLVD, SUITE MELBOURNE, FL 327355EO CONEO CONRING MOW.CEGENGINEERING.COMTEL. 321.253.121EO CONEO CONIndicator CO.A. #000807C.O.A. #000807EO CONEO CON
SITE FOR FIELD VERIFICATION OF ALL ASPECTS OF THE DICATE THE GENERAL ARRANGEMENT OF CIRCUITS AND CHES, PANELBOARDS, CONDUITS, AND OTHER WORK. FIELD OR TO INSTALLATION OF WORK. AND STARTERS FOR THE MECHANICAL EQUIPMENT SHALL BE E ELECTRICAL CONTRACTOR AND INSTALLED AND CIRCUITED TOR, UNLESS OTHERWISE NOTED. INSTALL SWITCHES IN OR TO INSTALLATION OF ANY ELECTRICAL WORK RELATED TO ECTRICAL CONTRACTOR SHALL REVIEW THE MECHANICAL . (IRCUIT REQUIREMENTS. OMPONENTS, AND CONTROLS ARE SELECTED AND SIZED FOR ND OR SHOWN. IF SUBSTITUTIONS AND/OR EQUIVALENT IT SHALL BE THE RESPONSIBILITIES OF ALL PARTIES ID FURNISHING THE SUBSTITUTE AND/OR EQUIVALENT COMPARE THE ELECTRICAL CHARACTERISTICS OF THAT ECTRICAL CONNECTION POINTS TO EQUIPMENT PRIOR TO DWPONENTS. SUDE ALL CHANNEL AND ANGLE SUPPORTING SYSTEMS, S, BRACKETS, FABRICATED ITEMS, AND HARDWARE AS RE SUPPORT, PER N.E.C., FOR ALL ELECTRICAL LDING STRUCTURE. O CONDUCT FIELD TESTS AFTER INSTALLATION OF ALL TEMS TO THE SATISFACTION OF THE OWNER, ARCHITECT, BOARD INTERIOR CLEAN AND FREE FROM CONSTRUCTION WIRING, AND RE-TIGHTEN ALL TERMINATIONS PER DATIONS. I GOOD CONDITION ONE SET OF UP TO DATE AS-BUILT RESSIVELY, NEATLY, LEGIBLY AND EXACTLY RECORD ON ION OF ALL CONCEALED CONDUIT RUNS AND ALL WORK INTLY THAN IN THE LOCATION AND MANNER INDICATED ON COPY OF THESE PLANS FOR THE OWNER. WARRANTY ON ALL ELECTRICAL LABOR, AND MATERIALS , STARTING FROM THE ISSUANCE OF THE OWNERS	 SUBMITALS, NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. 12. ALL 125V, SINGLE-PHASE, 20-AMPERE RECEPTACLES SERVING KITCHEN COUNTERS, DISHWASHER, BAITHROOM AND OUTDOOR RECEPTACLES SHALL BE GFCI PROTECTED PER NEC ARTICLE 210.8. 13. ALL GFCI PROTECTED CIRCUITS SHALL HAVE INDIVIDUAL AND DEDICATED NEUTRALS. 14. ROOM NAMES SHOWN IN PANELBOARD SCHEDULES ARE PER ARCHITECTURAL FLOOR PLANS, CONTRACTOR SHALL PROVIDE FINALIZED PANELBOARD SCHEDULES AT COMPLETION OF PROJECT INDICATING ROOM NAMES PER BRANCH CIRCUIT INSTALLED. 15. ALL 125V 15A AND 20A RECEPTACLES INSTALLED DWELLING UNITS SHALL BE LISTED TAMPER RESISTANT PER NEC 406.12. 16. THE ELECTRICAL CONTRACTOR SHALL FOLLOW THE NEC RECEPTACLE SPACING REQUIREMENTS OF THE NEC AND ADJUST AS REQUIRED BASED ON ACTUAL FIELD CONDITIONS. 17. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONED LOCATIONS OF ALL LIGHTING FIXTURES. 18. ALL MOUNTING HEIGHTS OF DEVICES AND SWITCHES SHALL COMPLY WITH TEH FAIR HOUSING ACT. 	MMOCK OF TITUSVILLE PHASE - 2 Reet, TITUSVILLE, FL 32796 S, RISER AND SCHEDULES
REVIATIONS: MH METAL HALIDE MCM THOUSANDS OF CIRCULAR MILS N NEUTRAL NA NOT APPLICABLE N.C. NORMALLY CLOSED NEC NATIONAL ELECTRICAL CODE NF NON-FUSED NL NIGHT LIGHT NO NUMBER NEMA NATIONAL FIRE PROTECTION ASSOCIATION N.O. NORMALLY OPEN O.C. ON CENTER OH OVERHEAD P POLE PC PHOTOCELL PNL PANELBOARD PP POWER PANEL BING PVC POLYNIN'L CHLORIDE S RM ROOM ANEL RCPT RECEPTACLE SN SOLID NEUTRAL SPEC SPECIFICATION T SS STAINLESS STEEL SQ SQUARE INTERRUPTER SWITCH UT TTB TELEPHONE TERMINAL BOARD GE TYP TYPICAL IR TF TRANSFORMER UC UNDER COUNTER UG UNDERS ONTED IUR TF TRANSFORMER UG UNDERS ONTED UNDERS ONTED IUR WE WP WEATHERPROOF Y WYE (CONNECTED)	 MATERIALS AND METHIDS 1. ALL WRE SHALL BE COPPER TYPE "THHN/THWN," SOLID FOR SIZES #12 AND #14, AND SIRRADED FOR #10 AND LARGER UNLESS OTHERWISE NOTED. 2. MINIMUM WIRE SIZE SHALL BE #14 AWG IN LOCATIONS ALLOWED BY THE NEC. 3. ALL CONDUITS INSTALLED IN EXTERIOR LOCATIONS SHALL BE RIGID SCH.40 PVC, ALL CONDUITS INSTALLED LIN EXTERIOR LOCATIONS SHALL BE RIGID SCH.40 PVC, ALL CONDUITS INSTALLED IN EXTERIOR LOCATIONS SHALL BE RIGID SCH.40 PVC, BURIED PER NEC. ALL EXTERIOR EQUIPMENT SHALL BE CONNECTED WITH LIQUID TIGHT FLEXIBLE METAL CONDUITS INSTALLED LIN EXTERIOR SUBJECT ON WITH THE ADD THAT AND WEATHERPROOF FITTINGS. 3. INSTALL ALL RACEWAYS, BOXES, ENCLOSURES, AND CABINETS AS INDICATED AND INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS. 3. OUTLET AND SWITCH BOXES SHALL BE STEEL IN DRY LOCATIONS AND CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND CONSTRUCTION TO SUIT SPECIFIC SITUATIONS. ALL BOXES SHALL BE RECESSED FLUSH IN WALLS AND/OR CONCEALED ABOVE CELLINGS. PROVIDE ACCESS PANELS FOR BOXES LOCATED IN NON-READILY ACCESSIBLE AREAS. 4. INSTALL COMPONENTS AND EQUIPMENT TO PROVIDE MAXIMUM POSSIBLE HEADROOM WHERE MOUNTING HEIGHTS OR OTHER LOCATION CRITERIA ARE NOT INDICATED. MAINTAIN ALL WORKING CLEARANCES AROUND EQUIPMENT AS REQUIRED BY THE N.EC. INSTALLED PANELBOARDS WITH TOP OF TRIM AT 6'-6" ABOVE FINISHED FLOOR. 4. ALL BRANCH AND FEEDER CIRCUITS SHALL CONTAIN A GROUNDING CONDUCTOR, UNLESS OTHERWISES NOTED, AND BE SIZED AND BONDED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE. ALL GROUNDING CONDUCTORS SHALL BE COPPER, U.O.N. 8. FIRE SEAL ALL PENETRATIONS IN FIRE RATED AND BROACE WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE. ALL GROUNDING CONDUCTORS SHALL BE COPPER, U.O.N. 8. FIRE SEAL ALL PENETRATIONS IN FIRE RATED AND BROACE TO INITIAL RATING. PLASH ALL CONDUIT ROOT SIGN THE READED AND BROANCE WITH HERCIDE STOPPING IN ACCORDANCE TO SECTION 713 OF THE FROED. 9. ALL WIRING DEVICES SHALL	Y IS IS IOGNUS IS IS IOGNUS IS IS IS IOGNUS IS IS IS IS IOGNUS IS IS IS IS IS IS IS IS <t< td=""></t<>
	DAVID E. ALLEY, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 55008. THIS ITEM HAS BEEN DIGITALLY SEALED BY DAVID E. ALLEY, PE ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DRAWING NO.: E1

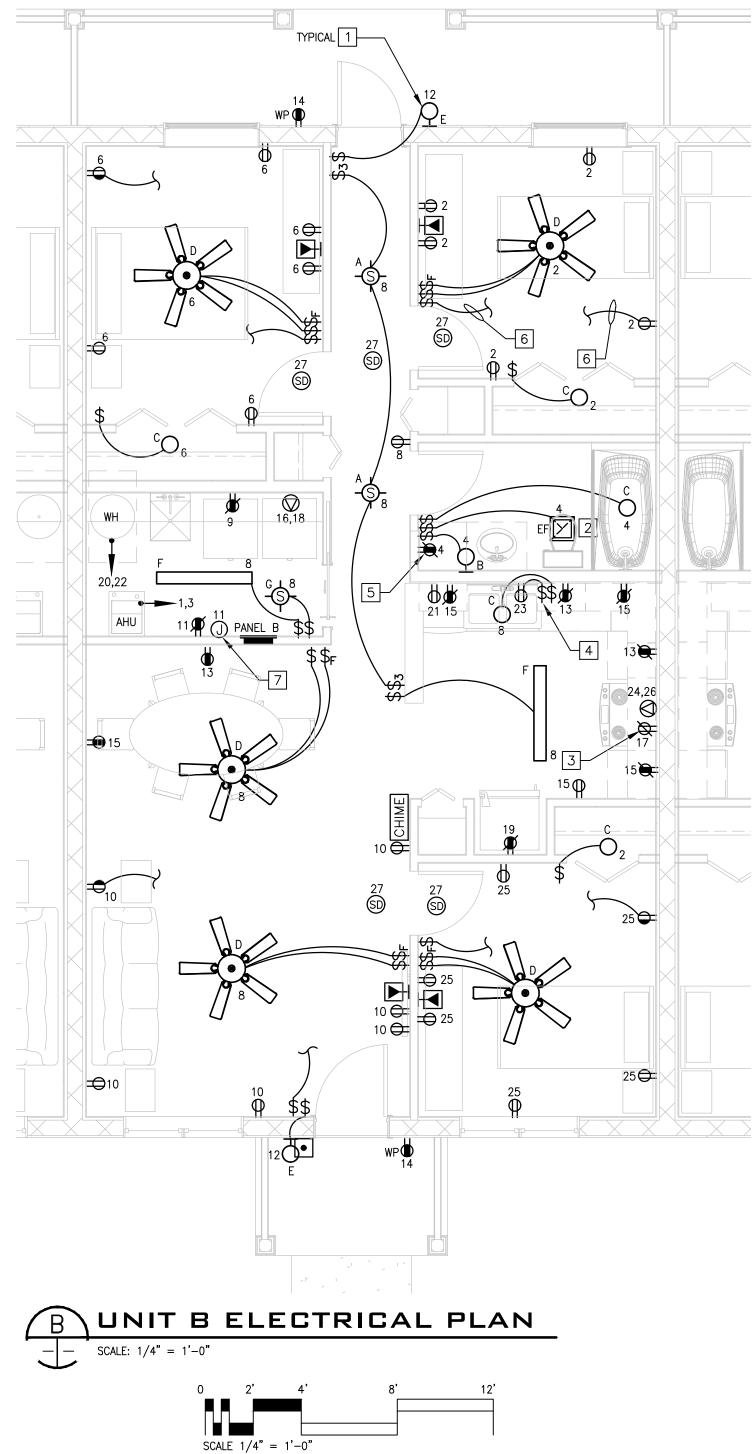


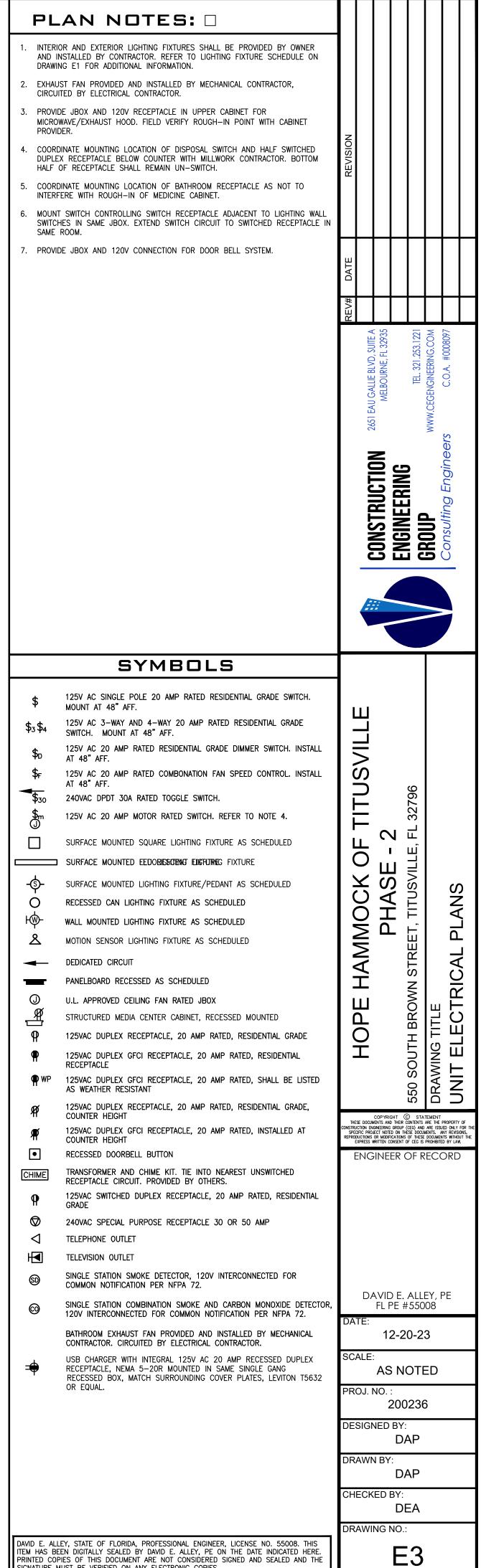
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скт	DESCRIPTION		KVA	СКТ	BRKR	BRA	NCH	CI	RCUIT	đ	скт	DESCRIPTION		KVA	СКТ	BRKR	BRA	NCH	CIF	RCUIT
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1	AHU			2	25	10	-	10	*	а	2	REC/LTG-BEDRM 1	#	-	1	15	14	14	14	*
3			_			10				b	4	REC/LTG-PRIMARY BATH		-	1	20	12	12	12	*
5	CU		_	2	20	10	_	10	3/4	a	6	REC/LTG-BEDRM 2	#	_	1	15	14	14	14	*
7						10				b	8	LTG LIVING/KITCHEN	#	_	1	15	14	14	14	*
9	WASHER	#	_	1	20	12	12	12	*	a	10	REC-LIVING RM	#	-	1	15	14	14	14	*
11	LAUNDRY	#	-	1	20	12	12	12	*	b	12	LTG EXTERIOR	#	-	1	20	12	12	12	*
13	RECEPTS-KITCHEN CNTR	#	_	1	20	12	12	12	*	a	14	REC EXTERIOR	#	_	1	20	12	12	12	*
15	RECEPTS-KITCHEN CNTR	#	_	1	20	12	12	12	*	b	16	DRYER		_	2	30	10	-	10	*
17	MICROWAVE/HOOD	#	-	1	20	12	12	12	*	a	18						10			
19	REFRIGERATOR	#	-	1	20	12	12	12	*	b	20	EWH		-	2	30	10	-	10	*
21	DISHWASHER (GFCI)	#	-	1	20	12	12	12	*	a	22						10			
23	DISPOSAL	#	_	1	20	12	12	12	*	b	24	RANGE		_	2	50	6	6	10	*
25	SMOKE DETECTORS	#	_	1	15	14	14	14	*	a	26						6			
27	SPACE									b	28	SPARE	#		1	15				
29	SPACE									a	30	SPARE	#		1	15				





PA	NEL: B		ATING: ERVICE		A ML /240		ø, 3W	I			G LO DUNT	DCATION: BOTTOM NG: RECESSED		I.C. : ′PE:		ES RATED D QO				
скт	DESCRIPTION		KVA	СКТ	BRKR	BRA	NCH	CI	RCUIT	đ	скт	DESCRIPTION	KVA	СКТ	BRKR	BRA	NCH	CIF	RCUIT	
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3			-			10				b	4	REC/LTG-PRIMARY BATH	-	1	20	12	12	12	*	
5	CU		-	2	20	10	-	10	3/4	a	6	REC/LTG-MASTER BEDRM #	-	1	15	14	14	14	*	
7						10				b	8	LTG LIVING/KITCHEN #	-	1	15	14	14	14	*	
9	WASHER	#	-	1	20	12	12	12	*	a	10	REC-LIVING RM #	-	1	15	14	14	14	*	
11	LAUNDRY	#	-	1	20	12	12	12	*	b	12	LTG EXTERIOR	-	1	20	12	12	12	*	
13	RECEPTS-KITCHEN CNTR	#	-	1	20	12	12	12	*	a	14	REC EXTERIOR	-	1	20	12	12	12	*	
15	RECEPTS-KITCHEN CNTR	#	-	1	20	12	12	12	*	b	16	DRYER	-	2	30	10	-	10	*	
17	MICROWAVE/HOOD	#	-	1	20	12	12	12	*	a	18					10				
19	REFRIGERATOR	#	-	1	20	12	12	12	*	b	20	EWH	-	2	30	10	-	10	*	
21	DISHWASHER (GFCI)	#	-	1	20	12	12	12	*	a	22					10				
23	DISPOSAL	#	-	1	20	12	12	12	*	b	24	RANGE	-	2	50	6	6	10	*	
25	REC/LTG-BEDRM 3	#	-	1	20	12	12	12	*	a	26					6				
27	SMOKE DETECTORS	#	-	1	20	12	12	12	*	b	28	SPARE		1	15					
29	SPARE	#		1	15					a	30	SPARE		1	20					

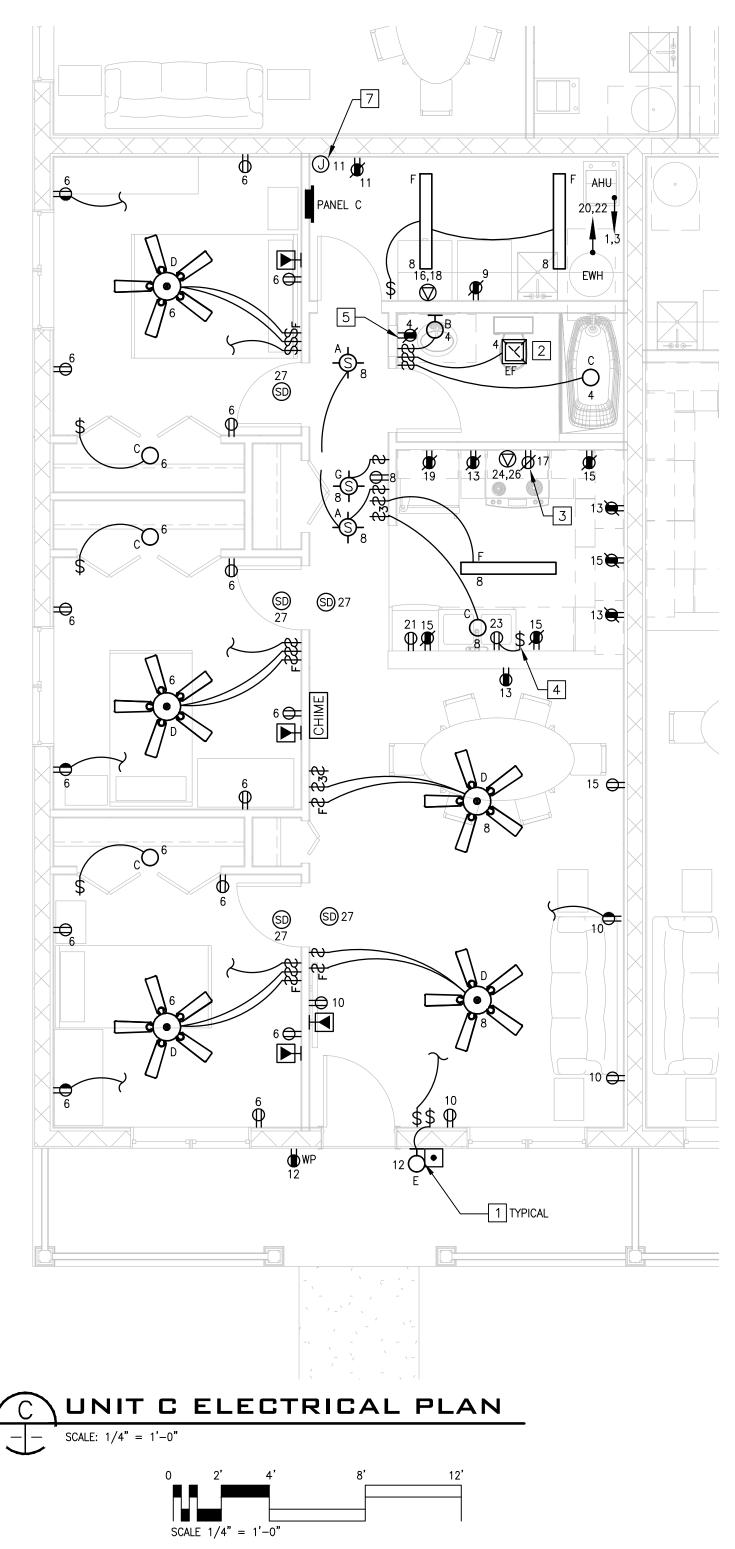


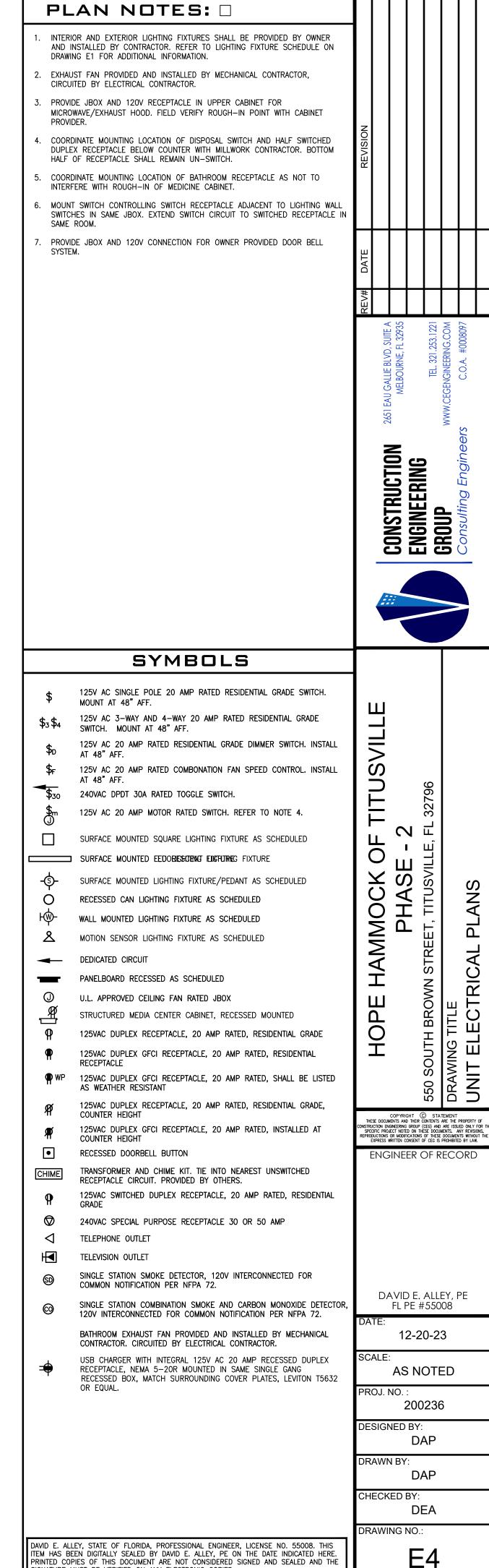


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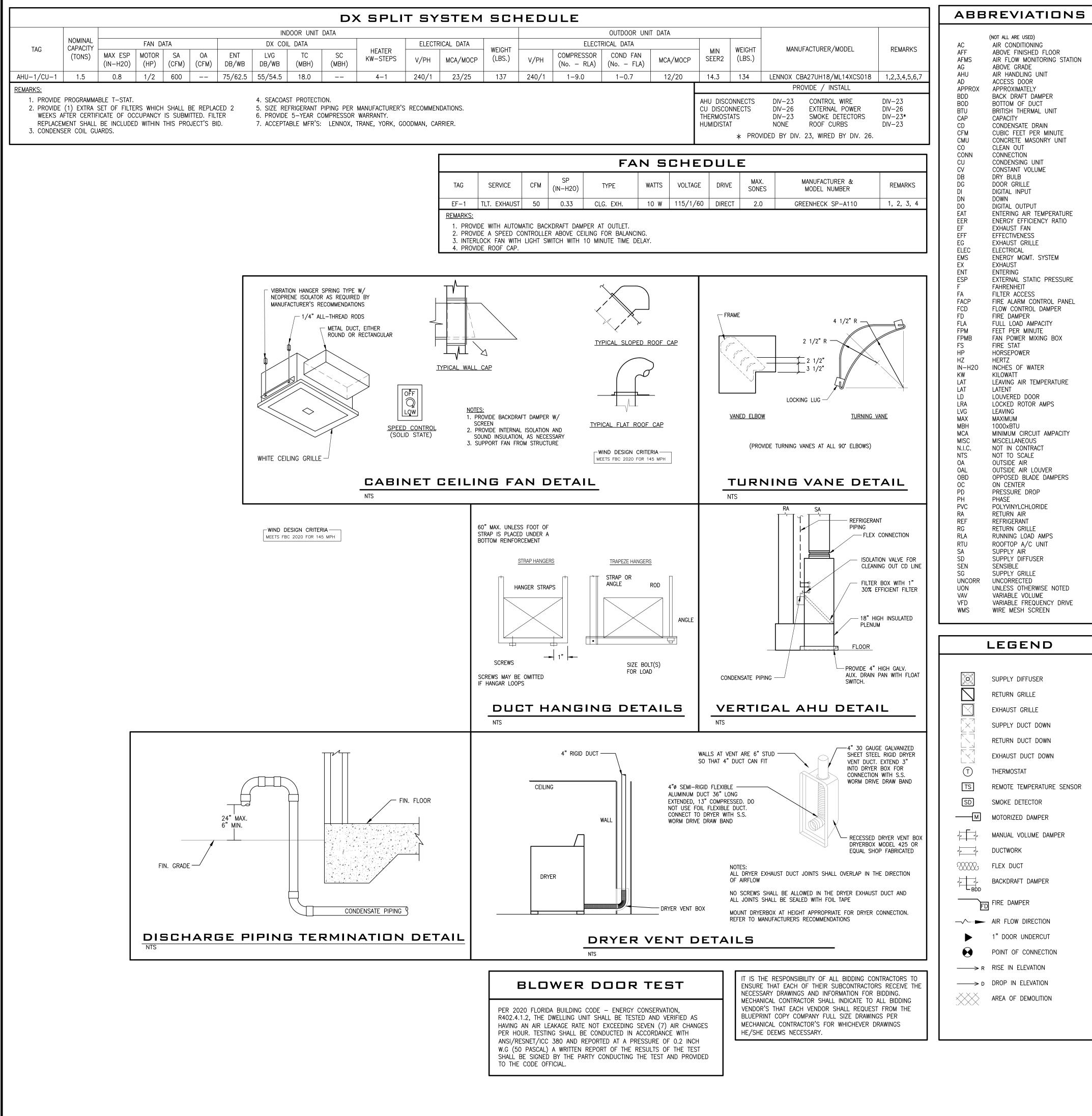
<u>P</u> /	PANEL: C RATING: 125A MLO SERVICE: 120/240V, 1Ø, 3W											G LOCATION: BOTTOM A.I.C. : S DUNTING: RECESSED TYPE: S						ATED		
скт	DESCRIPTION		KVA	СКТ	BRKR	BRA	NCH	CI	RCUIT	đ	скт	DESCRIPTION		KVA	СКТ	BRKR	BRA	NCH	CI	RCUIT
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3			-			10				b	4	REC/LTG-PRIMARY BATH		-	1	20	12	12	12	*
5	CU		-	2	20	10	-	10	3/4	a	6	REC/LTG-MASTER BEDRM	#	-	1	15	14	14	14	*
7						10				b	8	LTG LIVING/KITCHEN	#	-	1	15	14	14	14	*
9	WASHER	#	-	1	20	12	12	12	*	a	10	REC-LIVING RM	#	-	1	15	14	14	14	*
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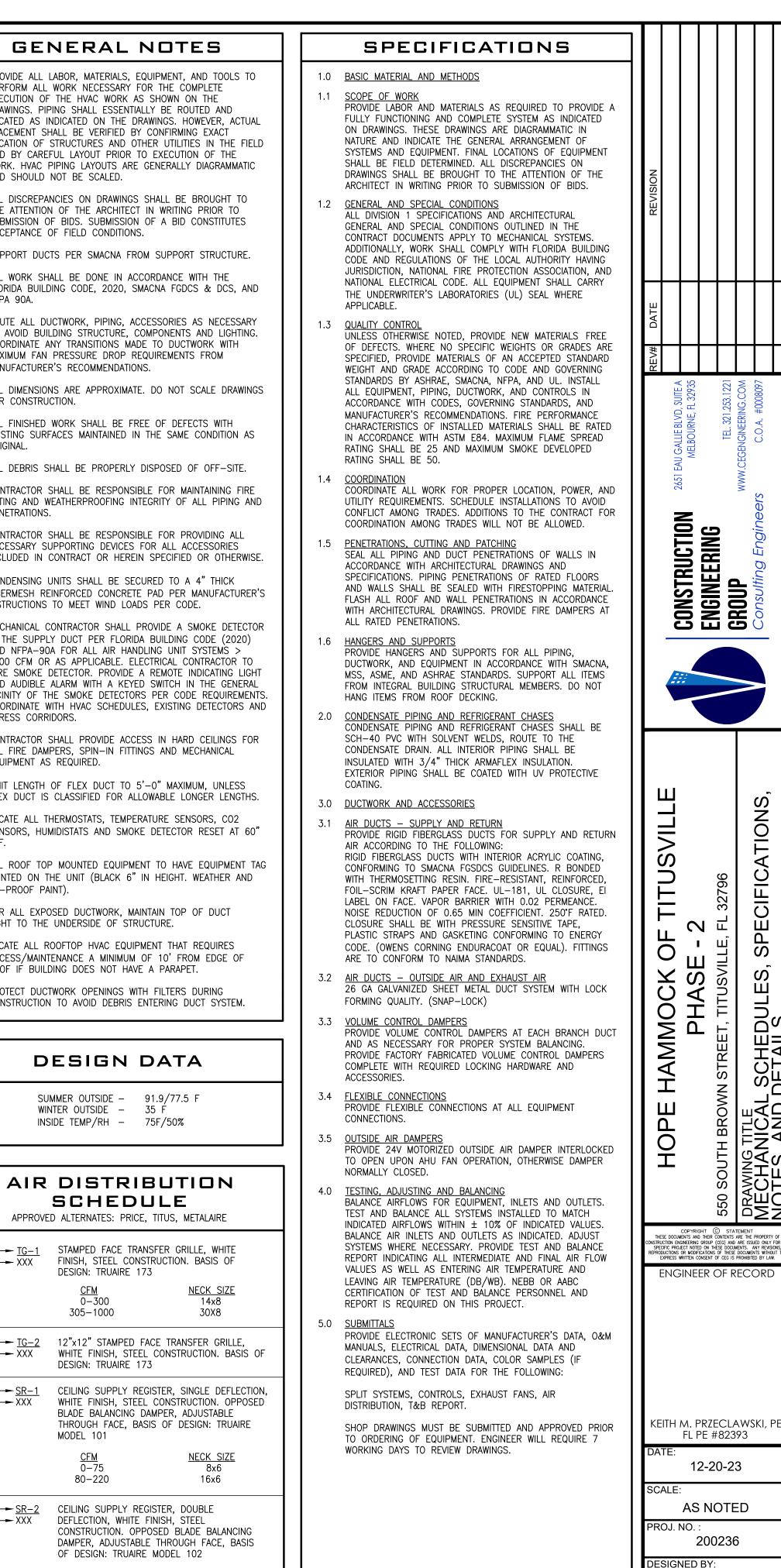


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E4



	REVIAIIUNS			انا
	(NOT ALL ARE USED)		1.	PROVIDE AL
AC AFF	AIR CONDITIONING ABOVE FINISHED FLOOR			PERFORM A
AFMS	AIR FLOW MONITORING STATION			DRAWINGS.
AG AHU	ABOVE GRADE AIR HANDLING UNIT			PLACEMENT LOCATION (
AD APPROX	ACCESS DOOR APPROXIMATELY			AND BY CA WORK. HVA
3DD 3OD	BACK DRAFT DAMPER BOTTOM OF DUCT			AND SHOUL
STU CAP	BRITISH THERMAL UNIT CAPACITY		2.	ALL DISCRE
D	CONDENSATE DRAIN			THE ATTENT
CFM CMU	CUBIC FEET PER MINUTE CONCRETE MASONRY UNIT			ACCEPTANC
CO CONN	CLEAN OUT CONNECTION		3.	SUPPORT D
CU CV	CONDENSING UNIT CONSTANT VOLUME		4.	ALL WORK
)B)G	DRY BULB DOOR GRILLE			FLORIDA BU NFPA 90A.
)I	DIGITAL INPUT		5.	ROUTE ALL
)N)O	DOWN DIGITAL OUTPUT			TO AVOID E
AT ER	ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO			MAXIMUM F
F FF	EXHAUST FAN EFFECTIVENESS			MANUFACTU
G LEC	EXHAUST GRILLE ELECTRICAL		6.	ALL DIMENS
MS	ENERGY MGMT. SYSTEM		7.	ALL FINISHI
IX INT	EXHAUST ENTERING			EXISTING SI ORIGINAL.
SP	EXTERNAL STATIC PRESSURE FAHRENHEIT			
A ACP	FILTER ACCESS FIRE ALARM CONTROL PANEL		8.	ALL DEBRIS
CD D	FLOW CONTROL DAMPER FIRE DAMPER		9.	CONTRACTO RATING ANE
ĹA	FULL LOAD AMPACITY			PENETRATIO
PM PMB	FEET PER MINUTE FAN POWER MIXING BOX		10.	CONTRACTO NECESSARY
TS IP	FIRE STAT HORSEPOWER			INCLUDED I
IZ N-H2O	HERTZ INCHES OF WATER		11.	CONDENSIN
(W AT	KILOWATT LEAVING AIR TEMPERATURE			FIBERMESH INSTRUCTIO
AT	LATENT LOUVERED DOOR		12	MECHANICA
.D .RA	LOCKED ROTOR AMPS		12.	IN THE SUP
.VG /AX	LEAVING MAXIMUM			AND NFPA- 2000 CFM
/IBH /ICA	1000xBTU MINIMUM CIRCUIT AMPACITY			WIRE SMOK
AISC I.I.C.	MISCELLANEOUS NOT IN CONTRACT			VICINITY OF
ITS	NOT TO SCALE			EGRESS CC
)A)AL	OUTSIDE AIR OUTSIDE AIR LOUVER		13.	CONTRACTO
)BD)C	OPPOSED BLADE DAMPERS ON CENTER			ALL FIRE D
PD PH	PRESSURE DROP PHASE		14.	LIMIT LENG
PVC RA	POLYVINYLCHLORIDE RETURN AIR			FLEX DUCT
REF RG	REFRIGERANT RETURN GRILLE		15.	LOCATE ALL
RLA	RUNNING LOAD AMPS			SENSORS, AFF.
rtu Sa	ROOFTOP A/C UNIT SUPPLY AIR		16.	ALL ROOF
SD SEN	SUPPLY DIFFUSER SENSIBLE			PAINTED ON
SG	SUPPLY GRILLE UNCORRECTED		47	
JON	UNLESS OTHERWISE NOTED VARIABLE VOLUME		17.	FOR ALL EX TIGHT TO T
/AV /FD	VARIABLE FREQUENCY DRIVE		18.	LOCATE ALL
VMS	WIRE MESH SCREEN			ACCESS/MA ROOF IF BU
			19	PROTECT D
I	EGEND			CONSTRUCT
	SUPPLY DIFFUSER			
	RETURN GRILLE			
	EXHAUST GRILLE			
	SUPPLY DUCT DOWN			
	RETURN DUCT DOWN			
	EXHAUST DUCT DOWN			AII
(T)	THERMOSTAT			
TS	REMOTE TEMPERATURE SENSOR			APPR
SD	SMOKE DETECTOR		TAG — AIRFLO	$\overline{W} \xrightarrow{F} \underline{TG}$
M	MOTORIZED DAMPER			
	MANUAL VOLUME DAMPER			
	DUCTWORK			
	FLEX DUCT		TAG -	
			AIRFLO	$W \longrightarrow \overline{XXX}$
	BACKDRAFT DAMPER			
FD	FIRE DAMPER		TAG — AIRFLO	<u>→</u> <u>SR−1</u> ₩ → XXX
FD				~~~~
	AIR FLOW DIRECTION			
	1" DOOR UNDERCUT			
	POINT OF CONNECTION			
> R	RISE IN ELEVATION			
> D	DROP IN ELEVATION		TAG — AIRFLO	₩ <u> SR-2</u> ₩ XXX
\times	AREA OF DEMOLITION			
$\times \times \times$				
		Í	1	



NECK SIZE 10x8 <u>CFM</u> 100-130

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NATURAL VENTILATION CALCULATION

TYPICAL UNIT

UNIT FLOOR AREA: 952 SF

MIN. VENTILATION AREA: 38 SF (UNIT AREA x 4%)

ACTUAL VENTILATION AREA: 82.0 SF (OPERABLE OPENING AREA)

NATURAL VENTILATION CALCULATIONS BASED ON FLORIDA MECHANICAL CODE CHAPTER 4, SECTION 402

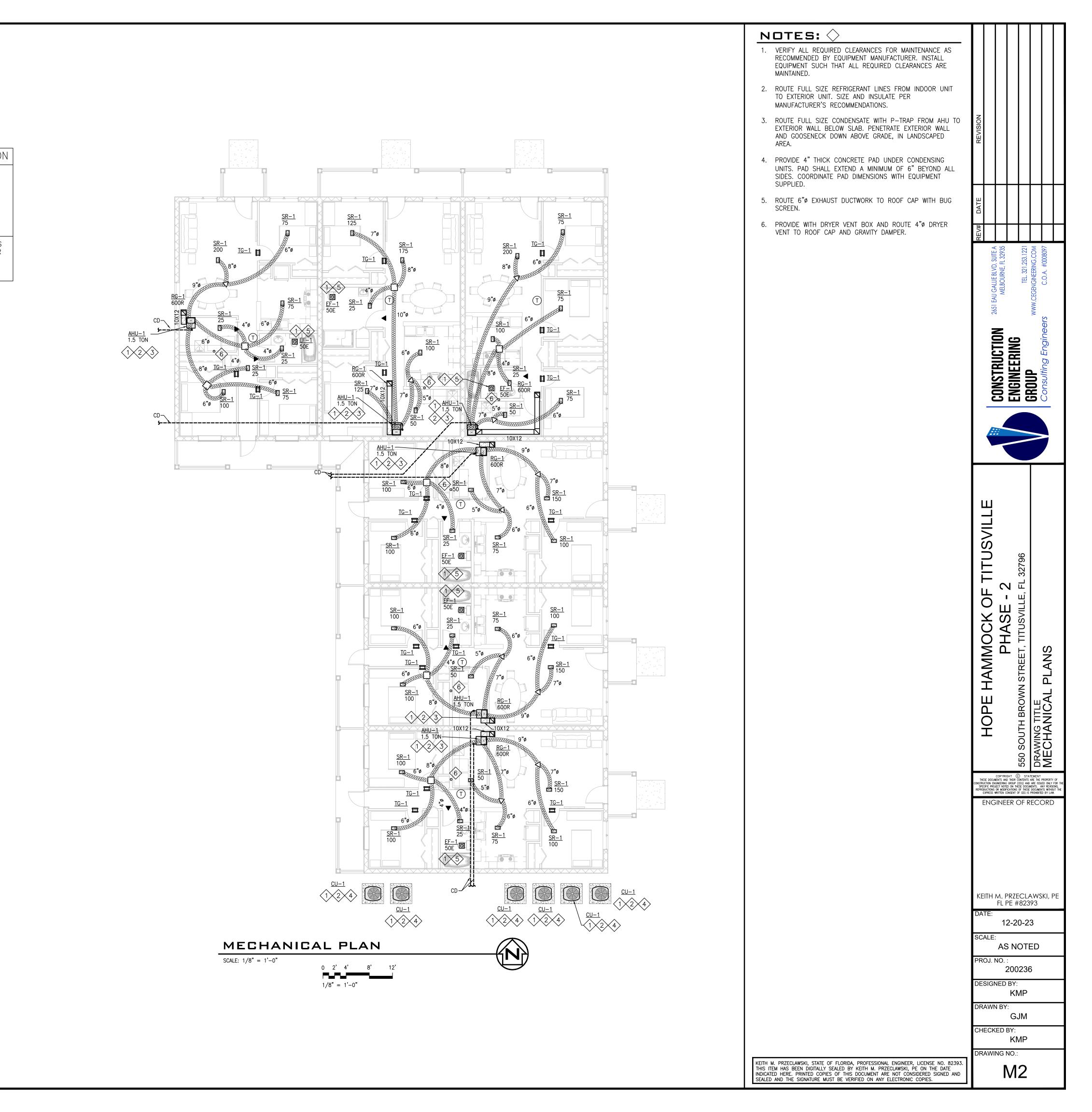
DRYER VENT LENGTH CALCULATION

TYPICAL UNIT

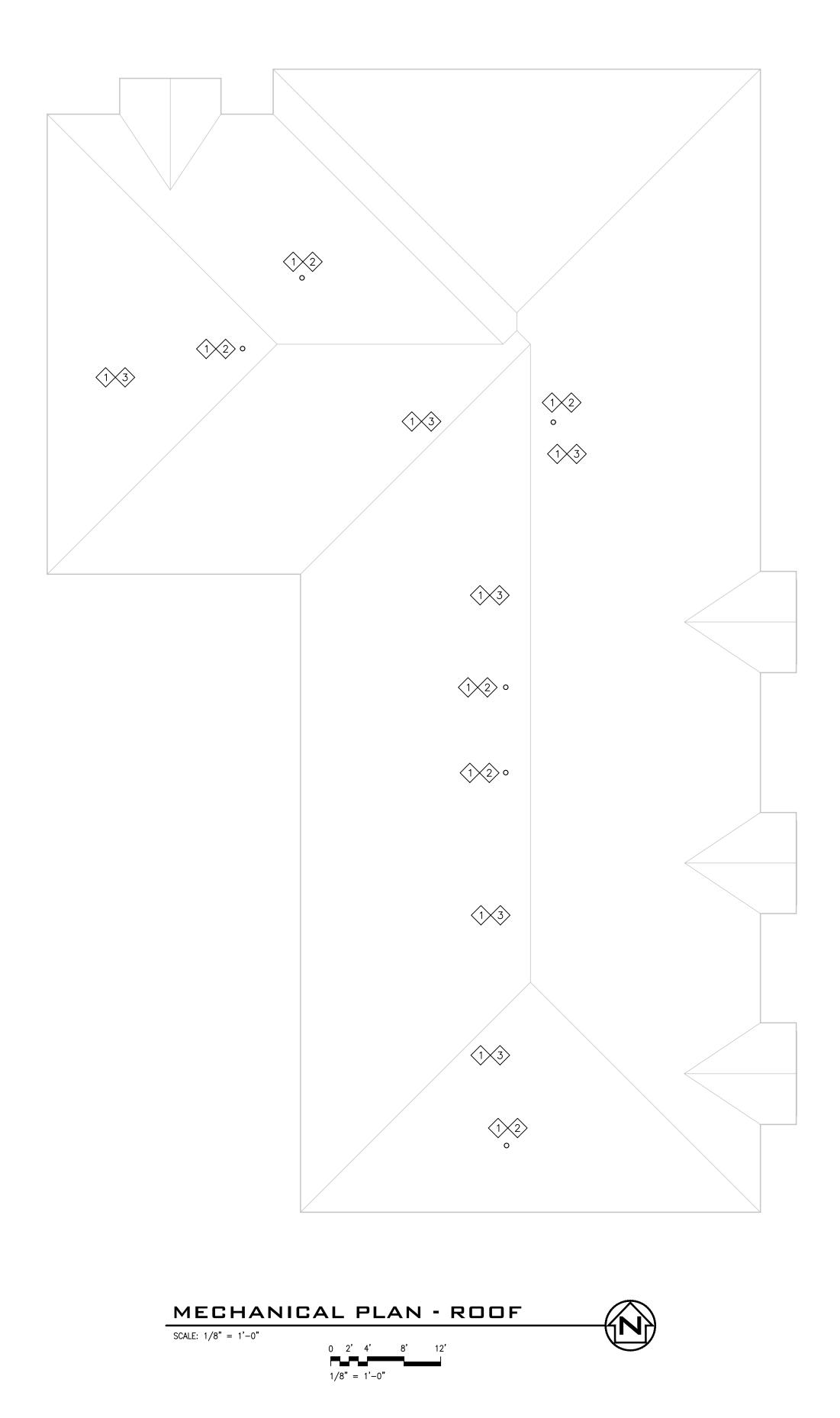
HORIZONTAL LENGTH: 0 FT VERTICAL LENGTH: 16 FT 90° ELBOWS (5 FT EQUIVALENT LENGTH): 5 FT 45° ELBOWS (2.5 FT EQUIVALENT LENGTH): 0 FT

TOTAL EQUIVALENT LENGTH: 21 FT

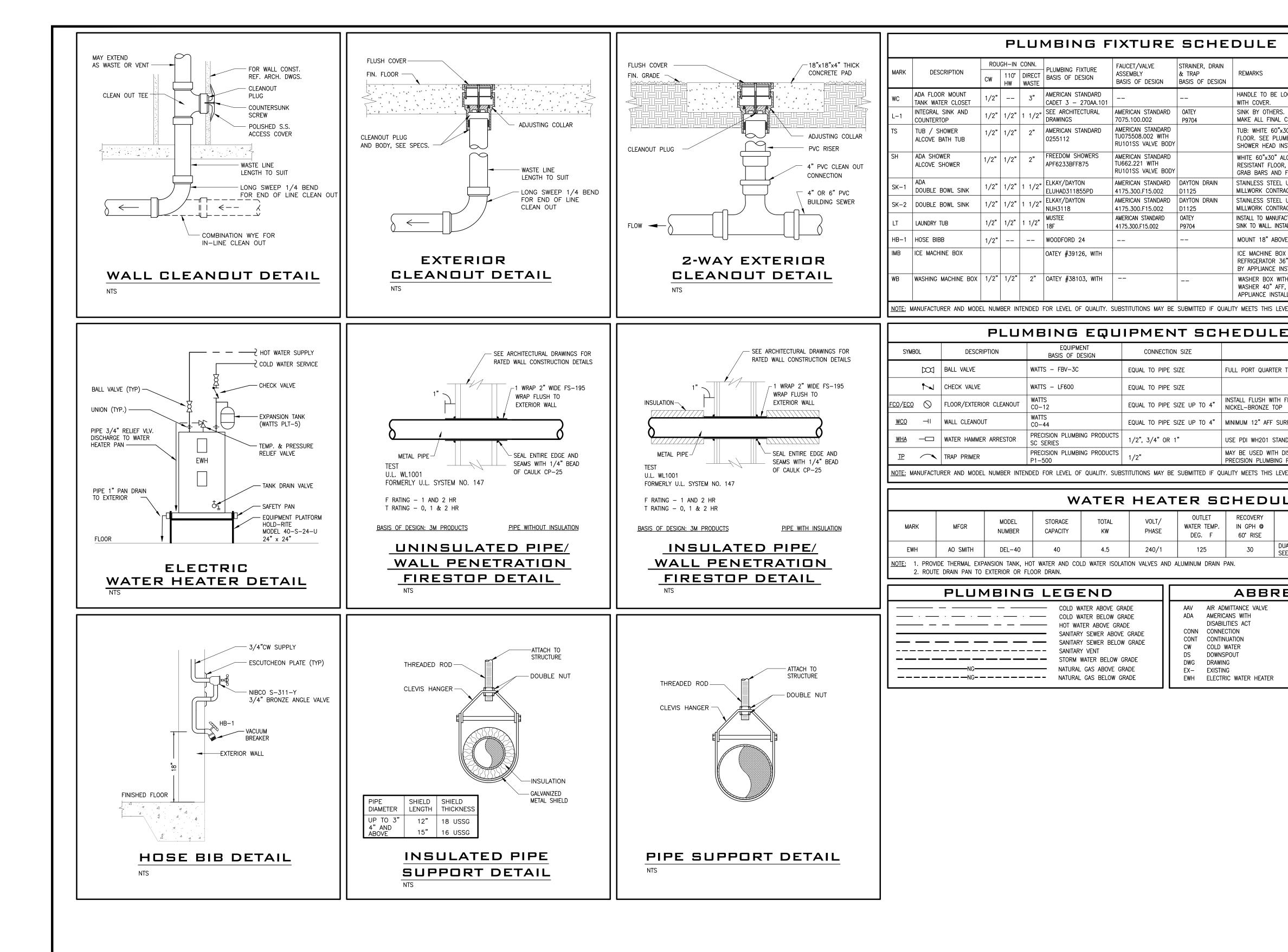
IF DRYER VENT TOTAL EQUIVALENT LENGTH EXCEEDS THE CODE MAXIMUM LENGTH OF 35 FT, ANY DRYER CONNECTION TO THE BUILDING EXHAUST SYSTEM SHALL BE REQUIRED TO MEET ITS MANUFACTURERS REQUIRED ALLOWABLE MAXIMUM LENGTH





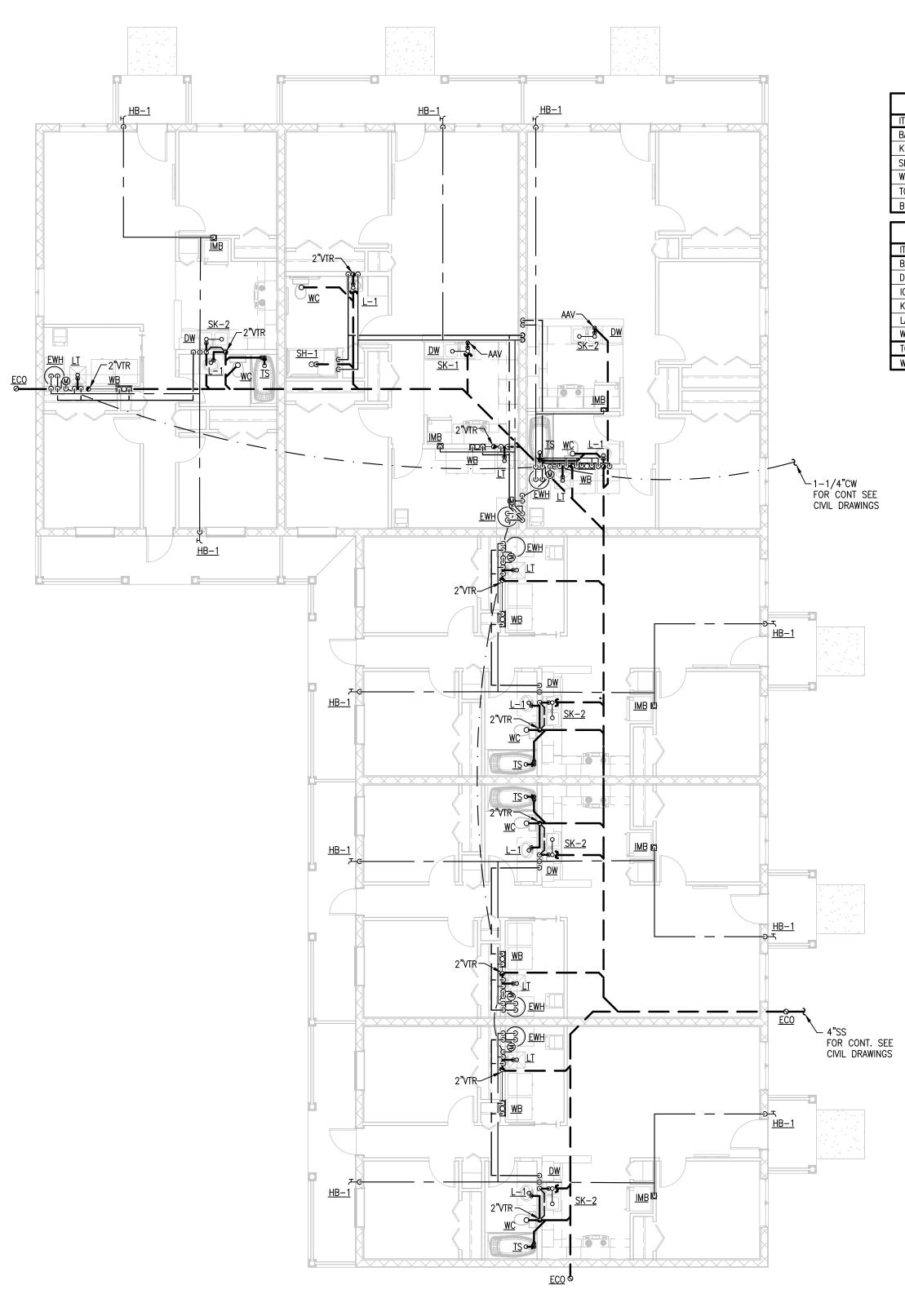


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	Image: Non-State StateConstruction2651 EAU GALLE BLVD, SUITE A MELBOURNE, FL 32935Image: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateImage: Non-State
	HOPE HAMMOCK OF TITUSVILLE HOPE HAMMOCK OF TITUSVILLE PHASE - 2 BHASE - 2 So South Brown Street, titusville, FL 32796 TITUSVILLE, FL 32796 DRAWING TITLE MECHANICAL PLANS - ROOF
	KEITH M. PRZECLAWSKI, PE FL PE #82393 DATE: 12-20-23 SCALE: AS NOTED PROJ. NO. : 200236 DESIGNED BY: KMP DRAWN BY: GJM CHECKED BY: KMP DRAWING NO.:
KEITH M. PRZECLAWSKI, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 82393. THIS ITEM HAS BEEN DIGITALLY SEALED BY KEITH M. PRZECLAWSKI, PE ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	M3



		PLUMBING GENERAL NOTES AND SPECIFICATIONS	
OCATED ON WIDE SIDE OF TOILET. 5321.11	10 SEAT	 PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND TOOLS TO PERFORM ALL WORK NECESSARY FOR THE COMPLETE EXECUTION OF THE PLUMBING WORK AS SHOWN ON THE DRAWINGS. PIPING SHALL ESSENTIALLY BE ROUTED AND LOCATED AS INDICATED ON THE DRAWINGS. HOWEVER, ACTUAL PLACEMENT SHALL BE VERIFIED BY CONFIRMING EXACT LOCATION OF STRUCTURES AND OTHER UTILITIES IN THE FIELD 	
PROVIDE COMPLETE FAUCET INSTALLATION CONNECTIONS TO SINK.		AND BY CAREFUL LAYOUT PRIOR TO EXECUTION OF THE WORK. PLUMBING DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOULD NOT BE SCALED.	
30" ALCOVE TUB WITH TILE FLANGE AND A IBING PLANS FOR DRAIN LOCATION. STALLED AT 7'2" ABOVE FINISHED FLOOR.	NTI-SLIP	 PROVIDE WORK NOT SPECIFICALLY SHOWN OR SPECIFIED, YET REQUIRED FOR PROPER AND COMPLETE OPERATIONS OF ALL SYSTEMS AND TO SATISFY THE DESIGN INTENT. COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. 	EVISION
COVE SHOWER SYSTEM WITH TILE FLANGE , CENTER DRAIN LOCATION. PROVIDE FACTO FOLDING SHOWER BENCH. UNDER-MOUNT SINK. COORDINATE INSTALL	ORY INSTALLED	3. LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED UNDER THE PLUMBING CONTRACTORS' SCOPE OF WORK SHALL BE PERFORMED BY EXPERIENCED MECHANICS OF THE PROPER TRADE AND ALL WORKMANSHIP SHALL BE FIRST CLASS AND SHALL BE IN COMPLIANCE WITH THE SPECIFIC REQUIREMENTS OF	RE
ACTOR. NO ESCUTCHEON PLATE AT FAUCET UNDER-MOUNT SINK. COORDINATE INSTALL	_ation_with	THE CONTRACT DRAWINGS. 4. ALL DISCREPANCIES ON DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ADDUITEOT IN WRITING DRIVE TO SUBMISSION OF DRESS SUBMISSION OF A DRE	
ACTOR. NO ESCUTCHEON PLATE AT FAUCET CTURERS REQUIREMENTS, PROVIDE FLOOR KIT AI ALL FAUCET AS LISTED.		ARCHITECT IN WRITING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID CONSTITUTES ACCEPTANCE OF FIELD CONDITIONS.5. SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, MOUNTING	ш
E FINISHED FLOOR. SEE DETAIL FOR ISOLA		HEIGHTS, DIMENSIONS AND ADDITIONAL REQUIREMENTS NOT COVERED ON THESE DRAWINGS.	DATI
(WITH WATER HAMMER ARRESTOR MOUNTE "AFF FINAL CONNECTION AND SUPPLY LII STALLER. "H WATER HAMMER ARRESTOR MOUNTED BE	ne provided Ehind	 ALL WORK SHALL BE IN ACCORDANCE WITH, BUT NOT LIMITED TO, THE LATEST ADOPTED EDITION OF THE FOLLOWING CODES AND STANDARDS: FLORIDA BUILDING CODE, (FBC); NATIONAL FIRE PROTECTION ASSOCIATION (NEDA). 	EA 935 221 0M 097
, FINAL CONNECTION AND SUPPLY LINES F	PROVIDED BY	NATIONAL FIRE PROTECTION ASSOCIATION, (NFPA); AMERICANS WITH DISABILITIES ACT, (ADA); AMERICAN SOCIETY OF MECHANICAL ENGINEERS, (ASME);	LIE BLVD, SUITE A SOURNE, FL 32935 TEL. 321.253.1221 GINEERING. COM C.O.A. #0008097
EL.		AMERICAN SOCIETY FOR TESTING AND MATERIALS, (ASTM); AMERICAN NATIONAL STANDARDS INSTITUTE, (ANSI); UNDERWRITERS LABORATORIES, (UL);	SAI NELE
	SUBMITTAL	ALL LOCAL CODES, ORDINANCES, REGULATIONS; THE AUTHORITY HAVING JURISDICTION.	
REMARKS TURN	REQUIRED	7. CONTRACTOR SHALL OBTAIN AND FURNISH ALL PERMITS, AND ARRANGE FOR ALL REQUIRED INSPECTIONS.	
	NO	 CONTRACTOR SHALL INSPECT THE SITE FOR FIELD VERIFICATION OF ALL ASPECTS OF THE PROJECT PRIOR TO BIDDING. CONTRACTOR SHALL COOPDINATE ALL WORK WITH OTHER TRADES 	CTION RING <i>Engineers</i>
FINISHED FLOOR OR GRADE ROUND	YES	 CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES. ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES. PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL 	CONSTRUCTIO ENGINEERING GROUP Consulting Engin
RFACE, PROVIDE COVER AND BRASS SCREW		PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL FINISHES. PIPING IN MECHANICAL ROOMS MAY BE EXPOSED.	
DARDS DISTRIBUTION BLOCK	YES	 CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS. CONTRACTOR SHALL INSTALL DIFLECTRIC LINIONS AT CONNECTIONS OF DISSIMILAR 	
PRODUCTS MODEL DU-4	YES	 CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS. DO NOT PENETRATE WALL EQUILINGS WITH PIPING. COORDINATE WITH CENERAL 	
LE		13. DO NOT PENETRATE WALL FOOTINGS WITH PIPING. COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES. WHERE ABSOLUTELY NECESSARY, ALL PIPING PENETRATING BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY THE STRUCTURAL ENGINEER.	
REMARKS		 CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT, OR HEREIN SPECIFIED, OR OTHERWISE. 	
IAL ELEMENT NON-SIMULTANEOUS OPERATI E DETAIL FOR ADDITIONAL INSTALLATION RE		15. WALL BRACKETS, HANGERS, SUPPORTS, ETC. SHALL BE PROVIDED WHERE REQUIRED IN ACCORDANCE WITH THE BEST STANDARD PRACTICE OF THE TRADE AND AS PER CODE. ADDITIONAL SUPPORTS SHALL BE PROVIDED TO TRANSMIT LOADS TO THE MAIN STRUCTURE WHERE REQUIRED. ALL EXPOSED SUPPORTS SHALL BE HOT DIPPED	Ш
		GALVANIZED OR FIBERGLASS REINFORCED "UNISTRUT" TYPE INCLUDING HARDWARE. MAXIMUM HORIZONTAL SPACING: CAST IRON 5'-0" ON CENTER (10' PIPE LENGTHS MAY BE 10'-0" SPACING)	
F DEGREES FAHRENHEIT		COPPER 6'-0" ON CENTER FOR $1-1/4$ " AND SMALLER 10'-0" ON CENTER FOR $1-1/2$ " AND LARGER CPVC 3'-0" ON CENTER FOR $1/2$ " THRU 1"	TITUSVILL - 32796
GPM GALLONS PER MINUTE HR HOUR HW HOT WATER		4'-0" ON CENTER FOR $1-1/4"$ AND LARGER PVC $4'-0"$ ON CENTER	
NTS NOT TO SCALE PD PUMP DRAIN SS SANITARY SEWER		16. STORM DRAIN, CONDENSATE DRAIN, SANITARY WASTE AND VENT PIPING SHALL BE COLLECTED AND TERMINATED AT A POINT SHOWN ON THE DRAWINGS. PIPING SHALL	
T&P TEMPERATURE & PRESSU TYP TYPICAL	JRE	BE SCHEDULE 40 TYPE DWV PVC WITH SOLVENT WELD JOINTS, EXCEPT FOR RETURN AIR PLENUM AREAS WHERE SERVICE WEIGHT CAST IRON PIPE WITH HUB AND SPIGOT FITTINGS OR PVC PIPING WITH 1" THICK FIRE WRAP INSULATION SEALED TO PROVIDE	О Г - 2
V VENT		FS/SD = 25/50 SHALL BE USED. FIRE WRAP INSULATION SHALL BE 5A FIRE BARRIER PLENUM WRAP BY 3M OR APPROVED EQUIVALENT.	
		17. ALL DRAINAGE PIPING 3" AND LARGER SHALL HAVE A MINIMUM SLOPE OF ½" PER FOOT, PIPING 2-½" AND SMALLER SHALL HAVE A MINIMUM SLOPE OF ¼" PER FOOT UNLESS OTHERWISE NOTED.	OCK C HASE TTUSVILL TAILS
		18. VENT PIPING SHOWN ON FLOOR PLANS IS ONLY INDICATIVE EXCEPT FOR VTR LOCATIONS.	
		19. BUILDING DOMESTIC WATER PIPING (ABOVE FLOOR) SHALL BE CPVC PLASTIC PIPE AND FITTINGS. PROVIDE TRANSITION FITTINGS AS REQUIRED TO INSTALL VALVES,	IAMMOCK PHAS STREET, TITUS ECIFICATIO
		FIXTURE STOPS, EQUIPMENT AND OTHER COMPONENTS. PIPE AND FITTINGS SHALL CONFORM TO ASTM-1784. ALL EXPOSED PIPING SHALL BE TYPE L HARD COPPER TUBE PAINTED TO MATCH. ALL HOT WATER, TEMPERED WATER AND HOT WATER	
		RETURN PIPE AND FITTINGS SHALL BE COVERED IN 1" THICK ELASTOMERIC INSULATION WITH ALL SEAMS AND JOINTS SEALED TIGHT.	PE F BROWN IG SPI I ES A
		20. ALL MATERIALS PROVIDED BY THE CONTRACTOR SHALL BE NEW AND FREE OF DEFECTS AND SHALL BE UL LISTED FOR THE INTENDED APPLICATION.	
		 ALL HAND SINKS AND LAVATORIES SHALL BE PROVIDED WITH TEMPERED WATER AND TEMPERATURE SET TO 110°F MAXIMUM. HOT AND COLD WATER SUPPLY PIPING AND DRAIN PIPING UNDER HANDICAPPED 	ll ∽l≥⊃∓
		22. HOT AND COLD WATER SUPPLY PIPING AND DRAIN PIPING UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED PER AMERICANS WITH DISABILITIES ACT, WITH FACTORY FABRICATED SEAMLESS MICROBIAL PVC RESIN INSULATION.	SC SC SC SC SC SC SC SC SC SC SC SC SC S
		23. VALVES AND FITTINGS SHALL BE OF SAME SIZE AS LINE IN WHICH THEY ARE INSTALLED.	COPYRIGHT C STATEMENT THESE DOCUMENTS AND THEIR CONTENTS ARE THE PROPERTY OF CONSTRUCTION ENGINEERING GROUP (CCG) AND ARE ISSUED ONLY FOR TH SPECIFIC PROJECT NOTED ON THESE DOCUMENTS. ANY REVISIONS, REPRODUCTIONS OF MODIFICATIONS OF THESE DOCUMENTS WITHOUT THE EXPRESS WRITTEN CONSENT OF CCG IS PROHIBIED BY LAW.
		24. INSTALL WATER HAMMER ARRESTORS AT EACH FIXTURE, OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER HAMMER ARRESTORS	ENGINEER OF RECORD
		AS SPECIFIED. 25. ALL WATER SUPPLY AND DRAINAGE LINES SHALL BE INSTALLED AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGE IN SIZING.	
		26. BALL VALVES ¼" THROUGH 2" SHALL BE TWO PIECE — 600 WOG, TEFLON SEATS, ANSI 316 STAINLESS STEEL BALL AND STEM (EXTENSION STEM ON INSULATED HOT	
		WATER AND TEMPERED HOT WATER), BRONZE BODY WITH THREADED OR SOLDER ENDS.	
			KEITH M. PRZECLAWSKI, PE FL PE #82393
			DATE: 12-20-23
			SCALE:
			AS NOTED PROJ. NO. :
			200236
			DESIGNED BY: WHB
			DRAWN BY: WHB
			CHECKED BY: KMP
		KEITH M. PRZECLAWSKI, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 82393. THIS ITEM HAS BEEN DIGITALLY SEALED BY KEITH M. PRZECLAWSKI, PE ON THE DATE	
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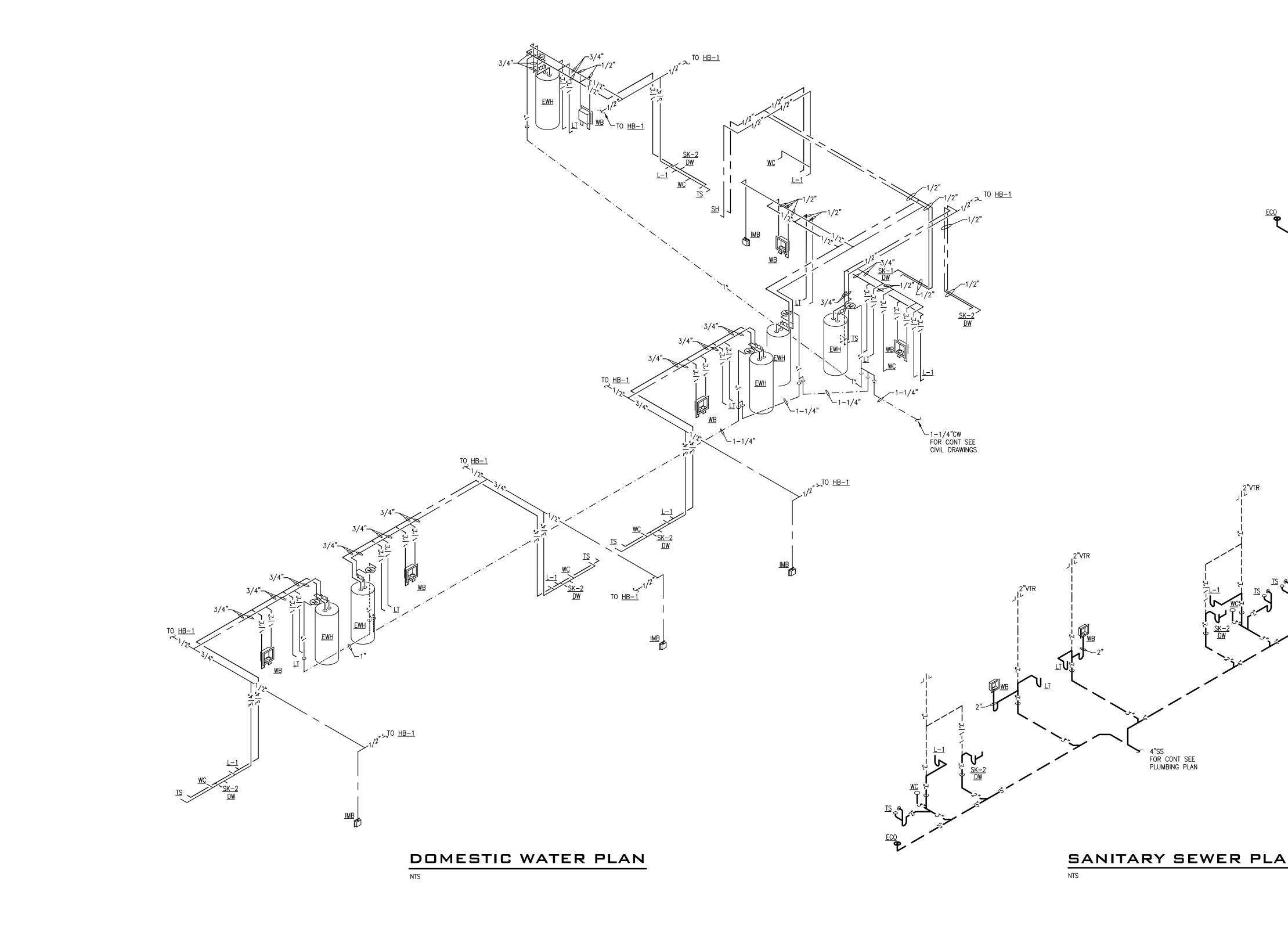


PLUMBING PLAN

SCALE: 1/8" = 1'-0"

DFU CALCULATION			
ITEM	QTY	DFU	SUM
BATHROOM GROUP - 1.6 WATER CLOSET	6	5.0	30.0
KITCHEN SINK - DOMESTIC	6	2.0	12.0
SINK	6	2.0	12.0
WASHING MACHINE - RESIDENTIAL	6	2.0	12.0
TOTAL DFU			66.0
BUILDING SEWER PIPE SIZE = 4"			
BUILDING SEWER	t t	PPE SIZE	= 4
BUILDING SEWER	ł	PIPE SIZE	= 4
WSFU CALCU			
WSFU CALCU	ILA	тіо	N
WSFU CALCU		WSFU	N SUM
WSFU CALCU ITEM BATHROOM GROUP - FLUSH TANK	QTY 6	WSFU 3.6	SUM 21.6
WSFU CALCU ITEM BATHROOM GROUP - FLUSH TANK DISHWASHING MACHINE	QTY 6 6	WSFU 3.6 1.4	SUM 21.6 8.4
WSFU CALCU ITEM BATHROOM GROUP – FLUSH TANK DISHWASHING MACHINE ICE MACHINE	QTY 6 6 6	WSFU 3.6 1.4 0.25	N 21.6 8.4 1.5
WSFU CALCU ITEM BATHROOM GROUP – FLUSH TANK DISHWASHING MACHINE ICE MACHINE KITCHEN SINK – PRIVATE	QTY 6 6 6 6	WSFU 3.6 1.4 0.25 1.4	SUM 21.6 8.4 1.5 8.4
WSFU CALCU ITEM BATHROOM GROUP – FLUSH TANK DISHWASHING MACHINE ICE MACHINE KITCHEN SINK – PRIVATE LAUNDRY SINK – PRIVATE	QTY 6 6 6 6 6	WSFU 3.6 1.4 0.25 1.4 1.4	SUM 21.6 8.4 1.5 8.4 8.4 8.4

FLI CALCULATION OTY DEU SUM 4 GROUP - 1.6 WATER CLOSET 6 5.0 30.0 SINK - DOMESTIC 6 2.0 12.0 MACHINE - RESIDENTIAL 6 2.0 12.0 MACHINE - RESIDENTIAL 6 2.0 12.0 U 66.0 55 55 55 SEWER PIPE SIZE = 4* 4* 56 STED CALCULATION 6 1.4 8.4 ING MACHINE 6 1.4 8.4 SINK - PRIVATE 6 1.4 8.4 SINGER GPM = 30 PIPE SIZE = 1-1/4* 1.4	Image: Market index
	A DECAMPACIÓN OF TITUSVILLE HOPE HAMMOCK OF TITUSVILLE PARA OF TITUSVILLE DEPARE - 2 SEO SOUTH BROWN STRET, TITUSVILLE, FL 32796 DEAMING TITU DRAING TITU DRAING TITU DRAING TITU DRAING TITU
KEITH M. PRZECLAWSKI, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 823 THIS ITEM HAS BEEN DIGITALLY SEALED BY KEITH M. PRZECLAWSKI, PE ON THE DATE INDICATED HERE, PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AN SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	



AND	REV# DATE REV# DATE REVISION CONSTRUCTION 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 REV# DATE REVISION CONSTRUCTION 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 REV# REVISION ENGINEERING 2600 TEL. 321 253.121 MELBOURNE, FL 32935 MELBOURNE, FL 32935 MELBOURNE, FL 32935 Consulting Engineers C.O.A. #0008097 MELBOURNE, FL 32935 MELBOURNE, FL 32935 MELBOURNE, FL 32935
AN	HOPE HAMMOCK OF TITUSVILLE HOPE HAMMOCK OF TITUSVILLE PHASE - 2 BHASE - 2 S50 SOUTH BROWN STREET, TITUSVILLE, FL 32796 550 SOUTH BROWN STREET, TITUSVILLE, FL 32796 DRAWING TITLE DRAWING TITLE PLUMBING ISOMETRICS
KOTH M. PRZECIAMSKI, STATE OF FLORIDA. PROFESSIONAL ENGINEER, LICENSE NO. 82303. THIS ITEM HAS BEEN DIGITALLY STALED BY KOTH M. PRZECIAMSKI, PE ON THE DIZE INDRATE DHERE. PINNTED COPIES OF THE DOCUMENT ARE NOT CONSIDERED SIGNED AND ISDRATE DHE THE DISTRICT MUST BE VERIFIED ANY ELECTRONE COPIES	REPRODUCTIONS OR HODFITCATIONS OF THESE DOCUMENTS WITHOUT THE ENGINEER OF RECORD KEITH M. PRZECLAWSKI, PE FL PE #82393 DATE: 12-20-23 SCALE: AS NOTED PROJ. NO. : 200236 DESIGNED BY: WHB DRAWN BY: WHB CHECKED BY: KMP DRAWING NO.: P3

GENERAL

- 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH FABRICATION AND CONSTRUCTION.
- 2. DESIGN WIND LOADS IS IN ACCORDANCE WITH 2020 FLORIDA BUILDING CODE 7TH EDITION AND ASCE 7-16 USING THE FOLLOWING CRITERIA:
- a. STRUCTURAL CATEGORY = II

b. BASIC WIND SPEED

- = 150 MPH
 - = 1.00
- c. IMPORTANCE FACTOR d. EXPOSURE CATEGORY
 - = B
- e. INTERNAL PRESSURE COEFF. = +/-0.18 (ENCLOSED CONDITION)
- f. MEAN ROOF HEIGHT = 15.0 FT
- 3. COMPONENTS AND CLADDING PRESSURES:
- (SEE TABLE THIS DRAWING)

ALL OPENINGS WILL BE REQUIRED TO BE PROTECTED WITH IMPACT-RESISTANT MATERIAL RATED BY THE MANUFACTURER TO EXCEED THE ABOVE PRESSURES.

- 4. ROOF TILES SHALL COMPLY WITH PROVISIONS OF ASTM C1492 OR ASTM C1167-11 AND SECTION 1504 OF THE FLORIDA BUILDING CODE.
- 5. SUPERIMPOSED DESIGN LOADS
- a. ROOF TOP CHORD LIVE = 20 PSF
- b. ROOF BOTTOM CHORD LIVE = 0 PSF
- c. ROOF TOP CHORD DEAD = 15 PSF
- d. ROOF BOTTOM CHORD DEAD = 10 PSF

6. ALL DETAILS APPLY TO SIMILAR SITUATIONS UNLESS SPECIFICALLY NOTED OTHERWISE ELSEWHERE

FOUNDATIONS

- 1. ASSUMPTIVE DESIGN NET SOIL BEARING PRESSURE FOR SPREAD FOOTINGS IS 2000 PSF. THIS SHALL BE VERIFIED BY AN INDEPENDENT TESTING LABORATORY PRIOR TO INSTALLING FOUNDATIONS.
- 2. COMPACT SOILS AT BOTTOM OF FOOTINGS AND SLABS TO 95% OF MAXIMUM DENSITY PER ASTM D1557.

CONCRETE

- 1. DESIGN, MATERIAL, WORKMANSHIP, AND PREPARATION OF DETAILED FABRICATION AND PLACING DRAWINGS SHALL BE IN ACCORDANCE WITH CURRENT EDITIONS OF ACI 318, ACI SP-66, ACI SP-4, AND THE CRSI HANDBOOK.
- 2. ALL CONCRETE SHALL DEVELOP THE FOLLOWING COMPRESSIVE STRENGTHS AT 28 DAYS. UNLESS OTHERWISE NOTED:
- a. SLABS AND FOUNDATIONS 2500 PSI
- b. BEAMS AND FILLED CELLS 3000 PSI
- 3. SLUMP JUST PRIOR TO PLACING SHALL BE THE FOLLOWING (PLUS OR MINUS ONE INCH)
- a. SLABS ON GRADE: 4 INCHES
- b. FOUNDATIONS: 4 INCHES
- c. FILLED CELLS: 8 INCHES
- d. OTHER CONCRETE: 4 INCHES
- 4. ALL CONCRETE SHALL BE PLACED IN THE DRY. NO CONCRETE SHALL BE PLACED LATER THAN 90 MINUTES AFTER MIXING HAS BEGUN. DEPOSIT CONCRETE IN ITS FINAL POSITION WITHOUT SEGREGATION AND REHANDLING.
- 5. REINFORCING STEEL BARS SHALL BE DEFORMED AND CONFORM TO THE LATEST REQUIREMENTS OF ASTM A615 GRADE 60, U.O.N.
- 6. REINFORCING BARS ARE CONTINUOUS UNLESS OTHERWISE NOTED. WHERE NECESSARY, MINIMUM LAP SPLICES FOR REINFORCING BARS SHALL BE 40 BAR DIAMETERS.
- 7. CONCRETE SLAB ON GRADE TO BE REINFORCED WITH 6X6 W2.9XW2.9 WELDED WIRE FABRIC.
- 8. ALL REINFORCING STEEL SHALL HAVE THE FOLLOWING MINIMUM CLEAR CONCRETE COVER:
- a. CAST AGAINST AND PERMANENTLY TO EARTH = 3 INCHES
- = 1 $\frac{1}{2}$ INCHES b. STIRRUPS IN BEAMS
- c. ALL OTHER CONDITIONS = 2 INCHES
- 9. AT DISCONTINUOUS ENDS OF BEAMS AND SLABS, TOP BARS SHALL TERMINATE IN A STANDARD ACI HOOK, UNLESS OTHERWISE NOTED.
- 10. AT OUTSIDE CORNERS OF CONCRETE BEAMS AND FOOTINGS PROVIDE #4x4'-0" LONG CORNER BARS IN EACH FACE AT SAME SPACING AS HORIZONTAL REINFORCING, U.O.N.
- 11. PROVIDE DOWELS IN FOOTINGS OF SAME QUANTITY AND SIZE AS VERTICAL WALL REINFORCING. BOTTOM DOWELS SHALL HAVE A STANDARD ACI HOOK.
- 12. CHAMFER ALL EXPOSED CONCRETE EDGES $\frac{3}{4}$ INCHES x 45 DEGREES.
- 13. PATCH ALL DEFECTIVE AREAS OF CONCRETE WITH CEMENT GROUT.

REINFORCED MASONRY

- 1. CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT WITH A NET AREA COMPRESSIVE STRENGTH OF fm=1500 PSI.
- 2. USE TYPE "M" OR "S" MORTAR IN ACCORDANCE WITH ASTM C260 FOR ALL MASONRY CONSTRUCTION.
- 3. ALL MASONRY WORKMANSHIP SHALL BE IN STRICT ACCORDANCE WITH CURRENT EDITIONS OF ACI 530.
- 4. PROVIDE CLEANOUT AT THE BOTTOM OF ALL CELLS TO BE FILLED WITH CONCRETE. CLOSE THE OPENING AFTER INSPECTION.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL MASONRY ELEMENTS ARE PROPERLY BRACED TO RESIST WIND, BACKFILLING, AND OTHER CONSTRUCTION OCCURRENCES. BRACING SHALL REMAIN IN PLACE UNTIL THE STRUCTURE IS COMPLETED.
- 6. SEE CONCRETE NOTES FOR FILLED CELL REQUIREMENTS

STRUCTURAL TIMBER

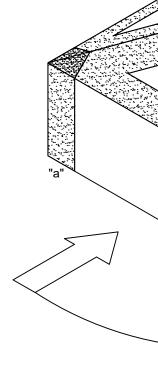
- 1. LOAD BEARING WALL FRAMING SHALL BE #2 SPRUCE PINE FIR (SPF) OR BETTER, 19% MOISTURE CONTENT, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
- 2. NON-BEARING FRAMING SHALL BE #3 SPRUCE PINE FIR (SPF) OR BETTER, 19% MOISTURE CONTENT.
- 3. TIMBER FRAMING NOTED AS PRESSURE TREATED, SHALL BE #2 SPF, AND TREATED IN ACCORDANCE WITH AWPA STANDARDS C1 AND C2
- 4. ALL EXTERIOR WOOD FRAMING SHALL BE PRESSURE TREATED.
- 5. TIMBER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS), 2001 EDITION WITH SUPPLEMENTS.
- 6. ALL SPECIFIED STEEL CONNECTION HARDWARE THAT IS NOT PRE-ENGINEERED SHALL BE HOT DIP GALVANIZED PER APPROPRIATE SPECIFICATIONS
- 7. ROOF SHEATHING SHALL CONSIST OF 7/16" INCH NOMINAL APA SPAN RATED. EXPOSURE I PLYWOOD OR ORIENTED STRAND BOARD (OSB) NAILED TO FRAMING AS SHOWN IN STRUCTURAL DETAILS. SHEATHING SHALL BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO FRAMING, AND STAGGERED ABOUT FRAMING.

PREFABRICATED WOOD TRUSSES

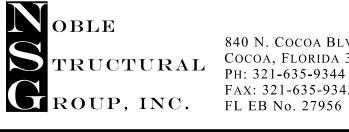
- 1. WOOD ROOF TRUSSES SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. SIGNED AND SEALED TRUSS CALCULATIONS AND DRAWINGS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO FABRICATION. DRAWINGS SHALL INCLUDE CRITICAL DIMENSIONS FOR DETERMINING FIT AND PLACEMENT. DESIGN LOADING CRITERIA IS SHOWN IN THE GENERAL NOTES ON THIS DRAWING.
- 2. ALL TRUSSES AND OTHER ROOF STRUCTURAL COMPONENTS SHALL BE FABRICATED IN A PROPERLY EQUIPPED MANUFACTURING FACILITY OF A PERMANENT NATURE. ALL TRUSSES SHALL BE FABRICATED UNDER STRICT RULES OF THE TRUSS PLATE INSTITUTE (T.P.I.)
- 3. TRUSSES SHALL BE HANDLED WITH CARE SO THAT THEY ARE NOT DAMAGED. HORIZONTAL BENDING SHALL BE KEPT OT A MINIMUM DURING ERECTION.
- 4. INSTALL ERECTION BRACING TO HOLD THE TRUSSES TRUE AND PLUMB DURING CONSTRUCTION.
- 5. TRUSS FRAMING HARDWARE NOT SHOWN ON THE DRAWINGS SHALL BE DESIGNED BY THE TRUSS ENGINEER. ALTERNATE CONNECTORS TO THOSE SHOWN ON THE DRAWINGS MAY BE SUBMITTED FOR APPROVAL.
- 6. TRUSSES SHALL BE FABRICATED FROM THE FOLLOWING MATERIALS: a. CHORDS SHALL BE A MINIMUM SIZE OF 2x4 AND SHALL BE #2 SOUTHERN YELLOW PINE OR BETTER.
- b. WEBS AND BRACING SHALL BE A MINIMUM SIZE OF 2x4 AND SHALL BE #3 SOUTHERN YELLOW PINE OR BETTER.
- c. TRUSS PLATES SHALL BE 20 GAGE MINIMUM WITH A MINIMUM YIELD OF 33000 PSI AND SHALL BE G60, COMMERCIAL CLASS HOT DIPPED GALVANIZED BEFORE STAMPING.
- 7. SEE TRUSS PLAN DRAWING IN THIS SET FOR OTHER TRUSS DESIGN INFORMATION.

COMPONE		
ZONE		
1		
2		
3		
ZONE		
4		
5		

- SURFACE.
- THIS TABLE. OF BUILDING EDGES OR CORNERS. ALL OTHER COMPONENTS SHALL USE TYPICAL PRESSURE VALUES.



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Consulting Engineers



ROOF - ENCLOSED BUILDING

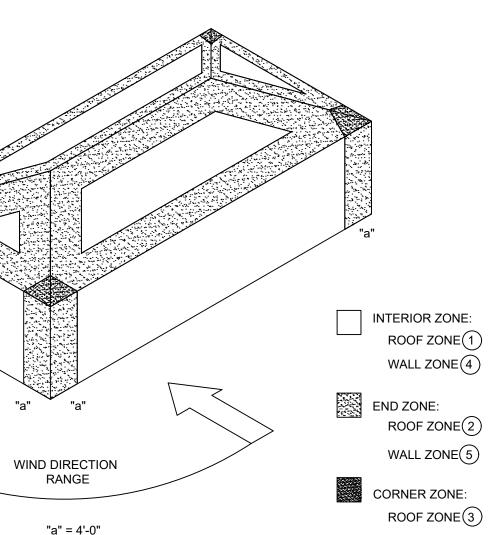
PRESSURE (PSF)

+13.9	OR	-22.2
+13.9	OR	-38.69
+13.9	OR	-38.69

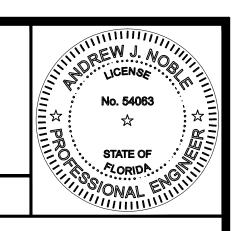
WALLS - ENCLOSED BUILDING

PRESSURE (PSF)
+24.29 OR -26.34
+24.29 OR -32.52

VALUES SHOWN FOR TABLES ABOVE ARE BASED ON NOMINAL WIND SPEED (ASD) 2. POSITIVE VALUES ACT TOWARD THE SURFACE, NEGATIVE VALUES ACT AWAY FROM THE 3. MANUFACTURING DATA FOR COMPONENTS AND CLADDING SHALL EXCEED THE VALUES SHOWN IN 4. EDGE PRESSURES NOTED SHALL BE USED FOR COMPONENTS THAT ARE LOCATED WITHIN 4 FEET



COMPONENTS & CLADDING WIND DIAGRAM ILLUSTRATIVE FIGURE ONLY N.T.S. ROOF AND WALL CONFIGURATION MAY VARY





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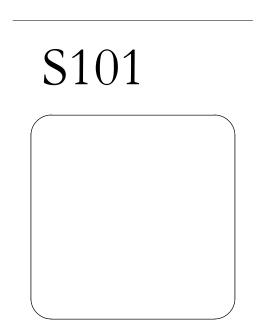
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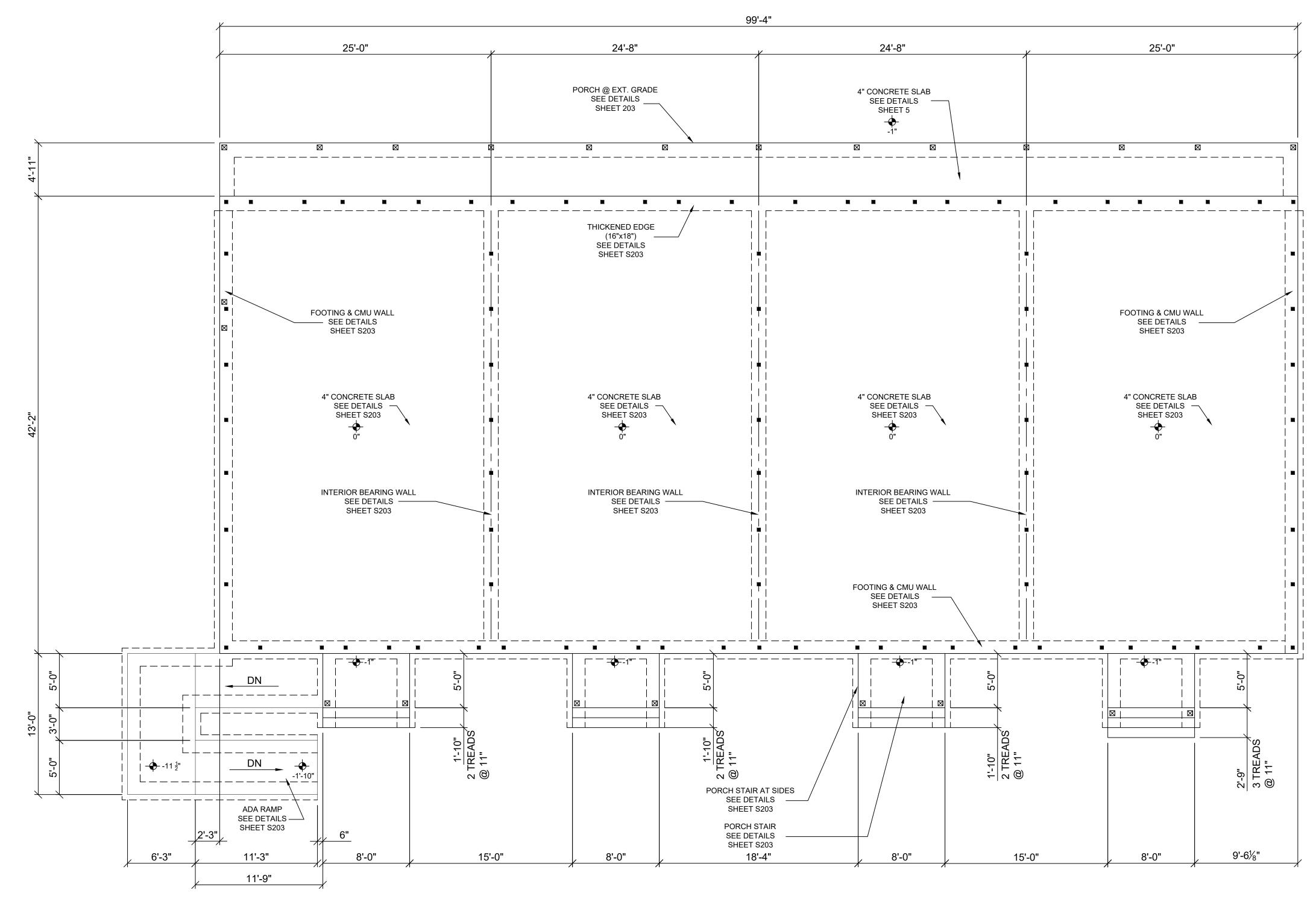
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Description	Date

STRUCTURAL GENERAL NOTES

DATE:	12/12/2023
DRAWN BY:	WN
REVISION:	-
SCALE	-





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FOUNDATION PHASE 1 PLAN

SCALE: 3/16" = 1'-0"



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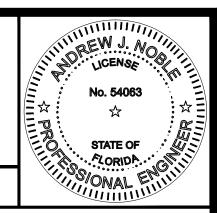
Consulting Engineers

Noble

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 FL EB No. 27956
 FL EB No. 27956





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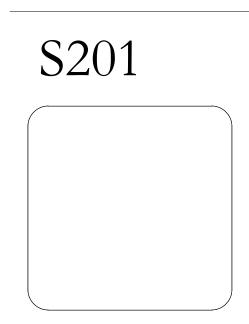
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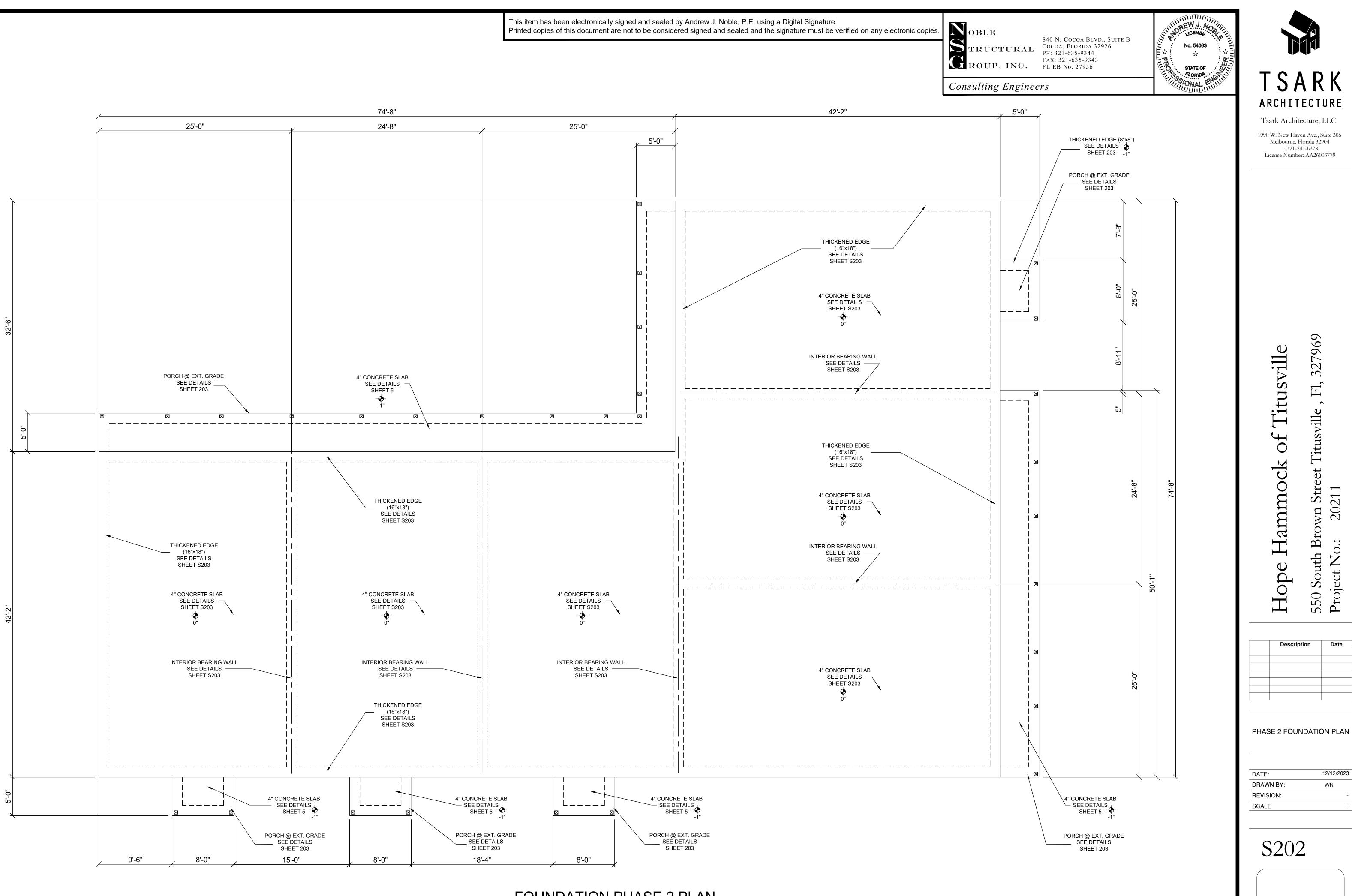
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Description	Date
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PHASE 1 FOUNDATION PLAN

DATE:	12/12/2023
DRAWN BY:	WN
REVISION:	-
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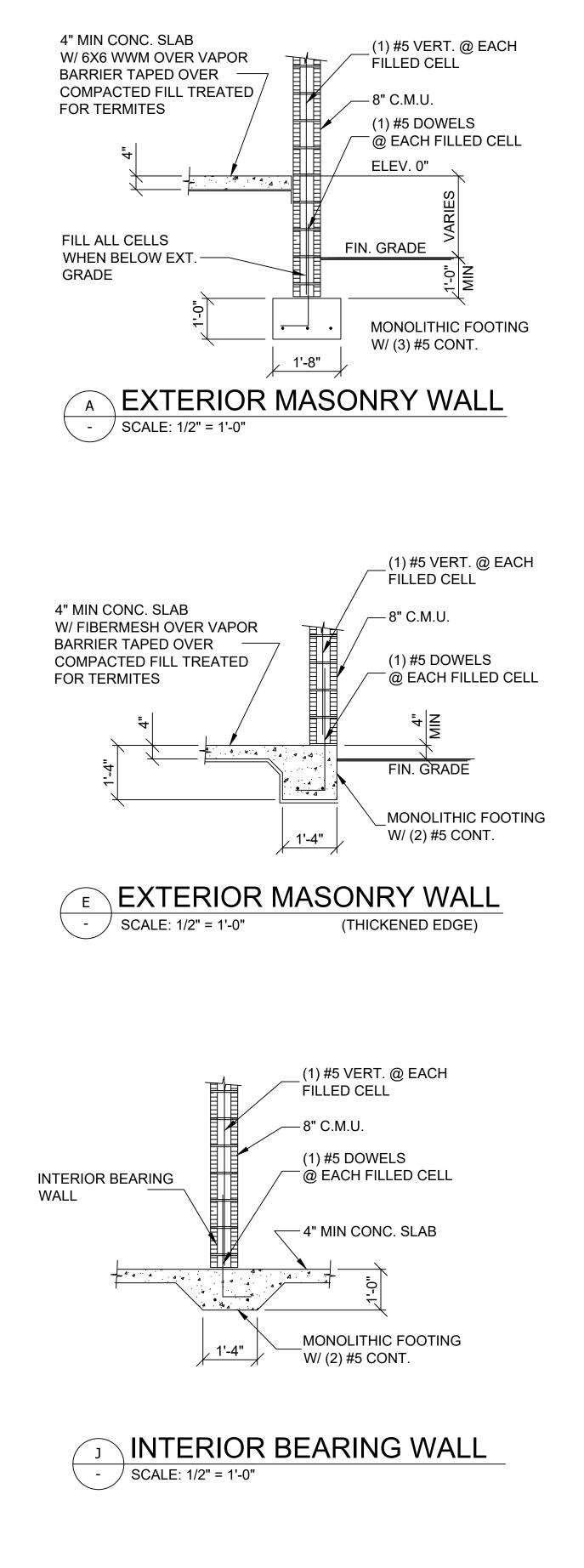
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Date

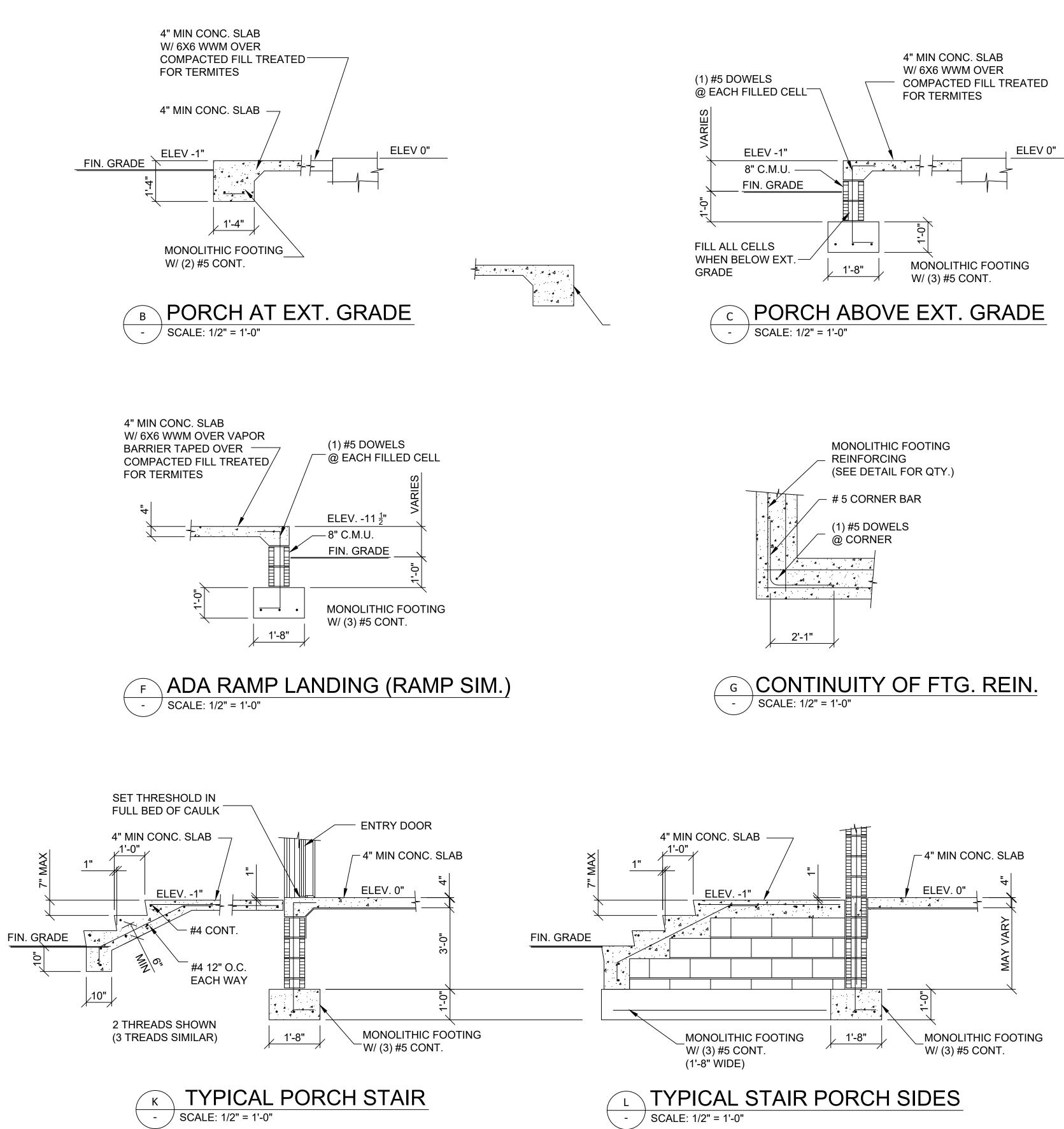
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WN



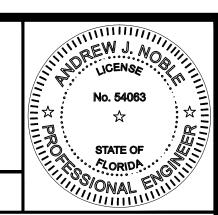
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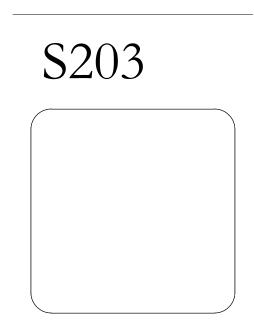
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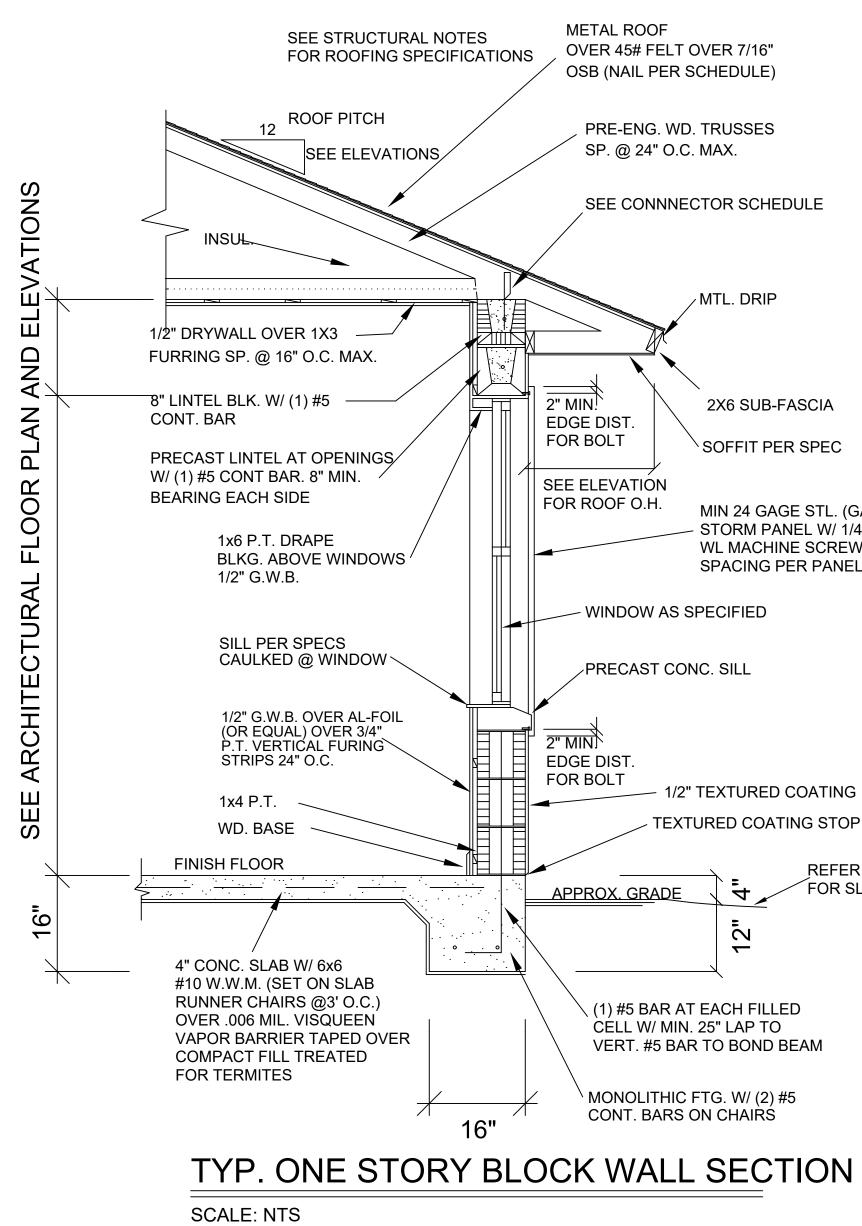
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FOUNDATION DETAILS

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SCALE	-





MONOLITHIC FTG. W/ (2) #5 CONT. BARS ON CHAIRS

VERT. #5 BAR TO BOND BEAM

CELL W/ MIN. 25" LAP TO

(1) #5 BAR AT EACH FILLED

 \sim

REFER TO SITE PLAN FOR SLOPE CONFIGURATION 4

1/2" TEXTURED COATING TEXTURED COATING STOP MIN. 4" ABOVE GRADE

PRECAST CONC. SILL

MIN 24 GAGE STL. (GALV.) (.031" MIN. THK.) STORM PANEL W/ 1/4-20x7/8", 1/2" DIA. FLOOR PLUG WL MACHINE SCREW ANCHOR 7/8" MIN. EMBEDMENT SPACING PER PANEL MFG. (SEE SHUTTER SPAN TABLE)

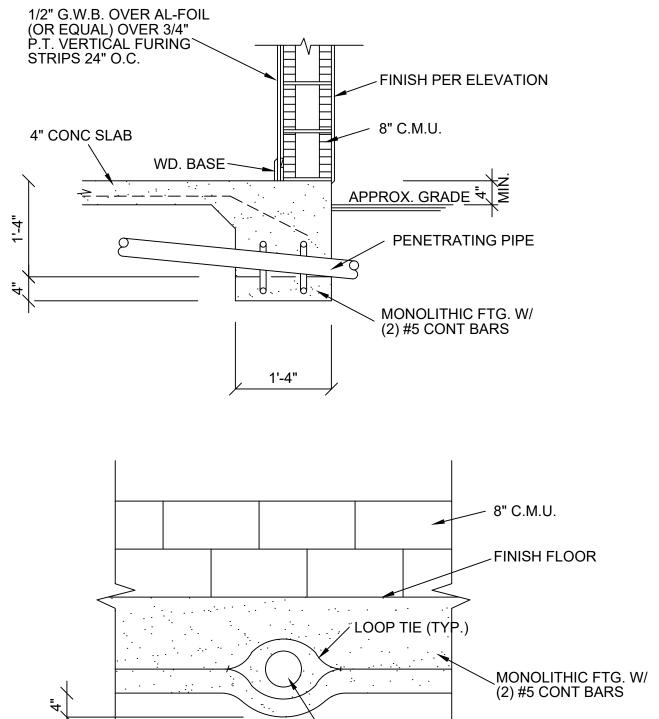
2X6 SUB-FASCIA [\]SOFFIT PER SPEC

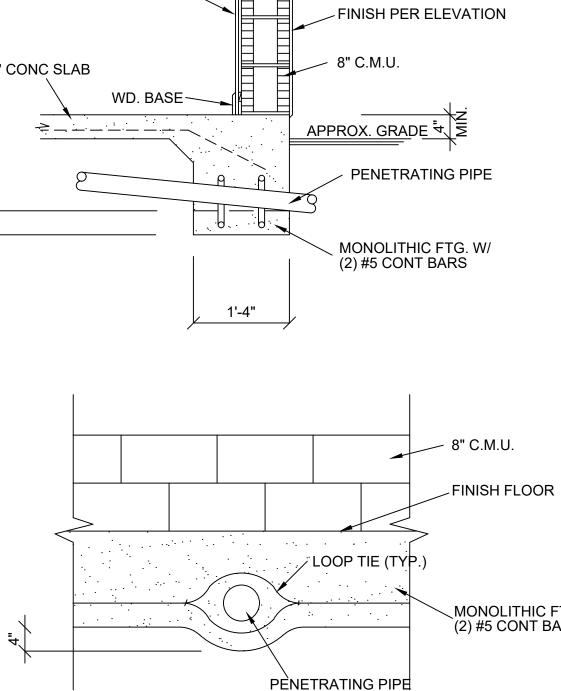
/ MTL. DRIP

PRE-ENG. WD. TRUSSES SP. @ 24" O.C. MAX. SEE CONNNECTOR SCHEDULE

OVER 45# FELT OVER 7/16" OSB (NAIL PER SCHEDULE)

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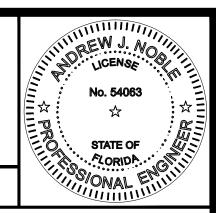


PIPE PENETRATION DETAIL SCALE: 1/2"=1'-0"

Noble **TRUCTURAL**

Consulting Engineers

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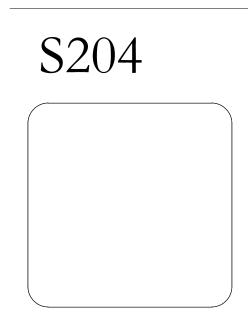
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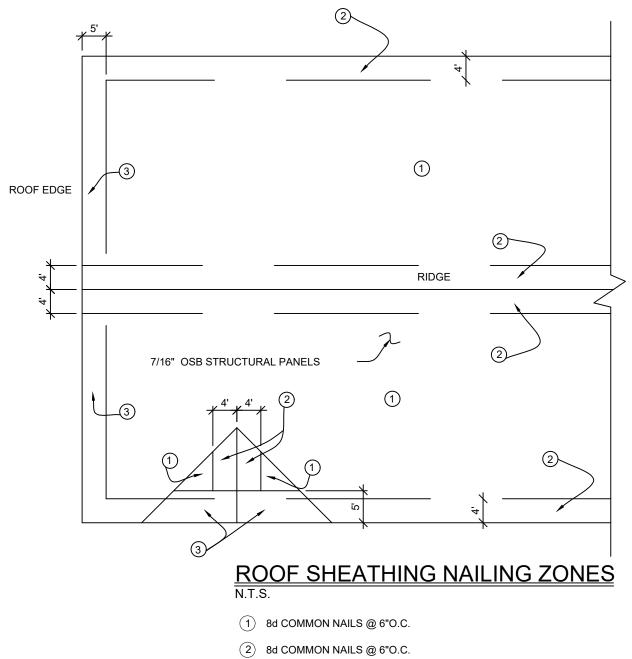
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PÈNETRATING PIPE

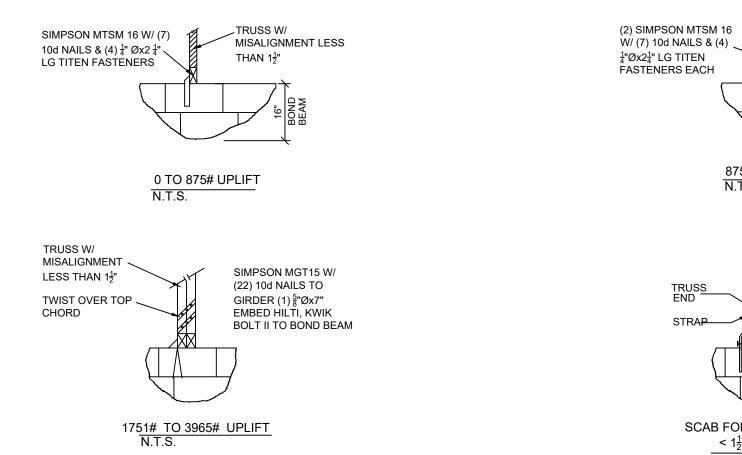
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Description MISC DETAILS DATE: DRAWN BY: **REVISION:** SCALE

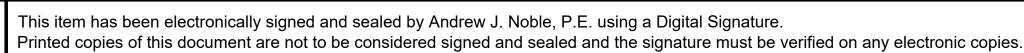


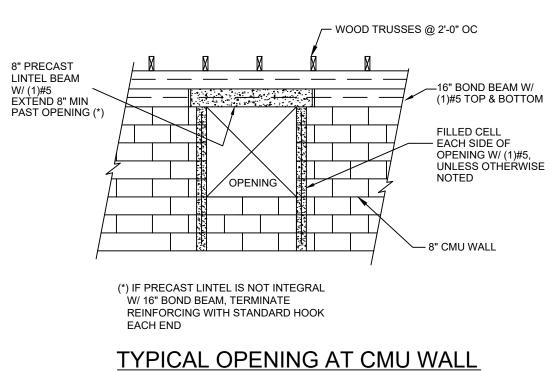


(3) 8d COMMON NAILS @ 6"O.C.



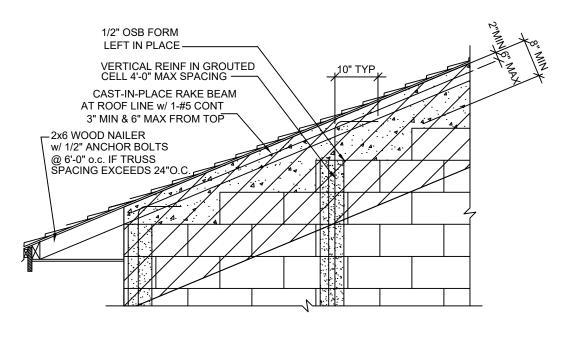
MISALIGNED OR OMITTED TRUSS REPAIR DETAILS N.T.S.





N.T.S.

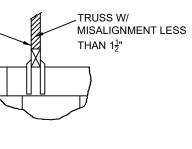
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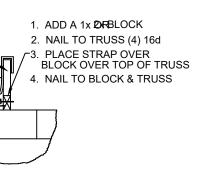
CONTINUOUS DEMISING WALL REINFORCEMENT SCALE: 1/2"=1'-0"



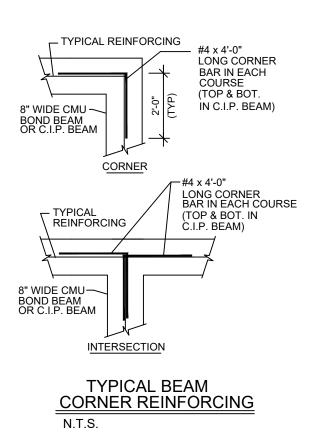




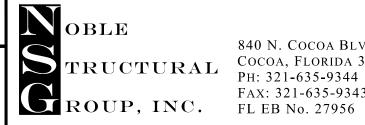
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SCAB FOR MISALIGNMENTS < 1<u>1</u>" BUT > 1/2" N.T.S.

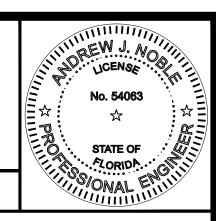






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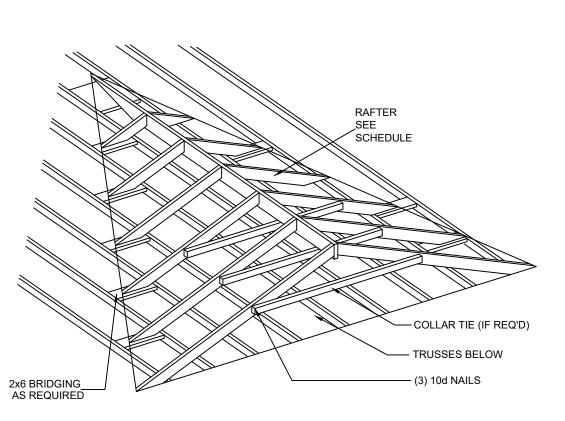
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VALLEY FRAMING DETAIL SCALE: 1/2"=1'-0"

1. ALL VALLEY FRAMING RAFTERS SHALL BE SPACED AT 24 INCH MAXIMUM CENTERS AND SHALL BE SIZED AS SHOWN IN THE SCHEDULE BELOW. 2. RAFTERS WITH THE LENGTHS OF 10'-0" TO 18'-0" REQUIRE A 2x4 COLLAR TIE AT MID-SPAN, RAFTER LENGTHS GREATER THAN 18'-0" ARE NOT PERMITTED. 3. RIDGE BOARD SHALL BE 2x (DEPTH OF DEEPEST RAFTER IN VALLEY SET). **VALLEY RAFTERS LESS THAN 7'-0" MAY BE 2X4's

RAFTER SPAN	MEMBER SIZE	ATTACHMENT TO RIDGE
0'-0" to 4'-0"	2x6	2 16d TOE NAILS
4'-1" to 10'-0"	2x6	4 16d TOE NAILS
10'-1" to 13'-6"	2x8	2 16d TOE NAILS & 1 SIMPSON H5 OR EQUIVALENT
13'-7" to 18'-0"	(2) 2x8	2 16d TOE NAILS & 2 SIMPSON H5 OR EQUIVALENT

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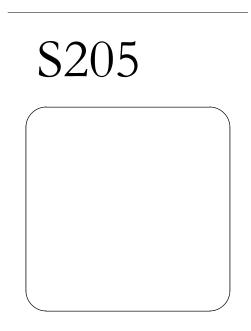
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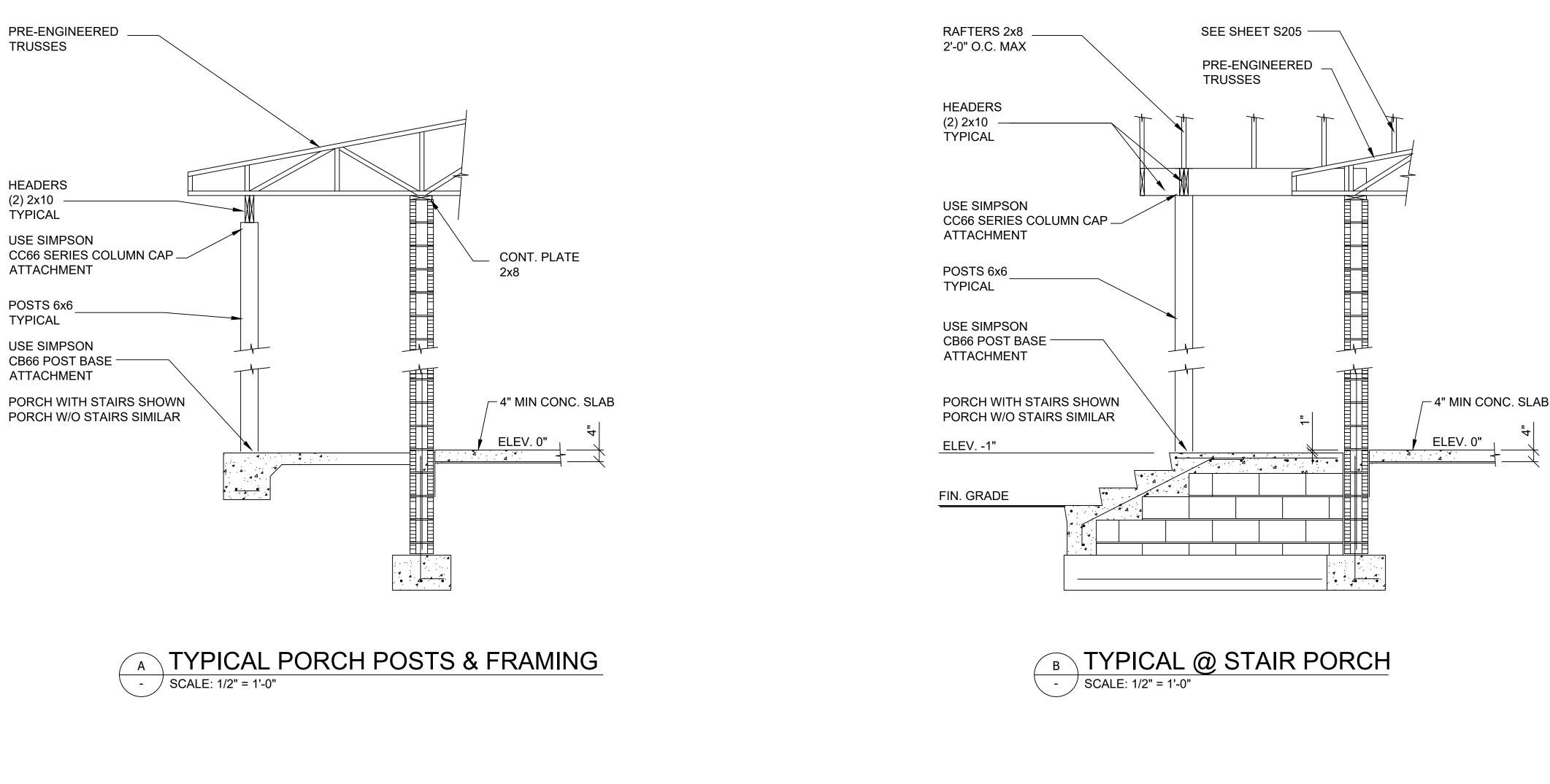
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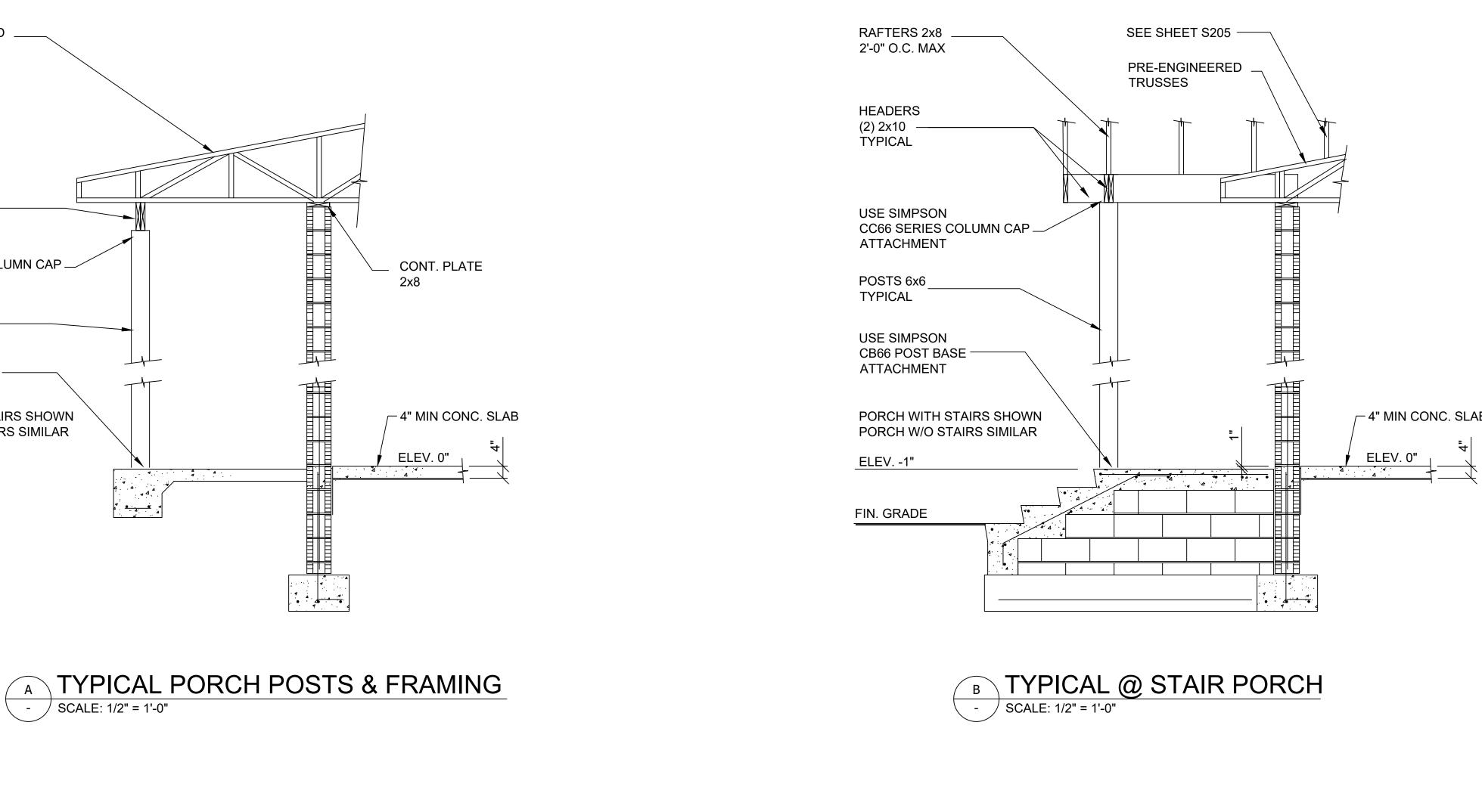
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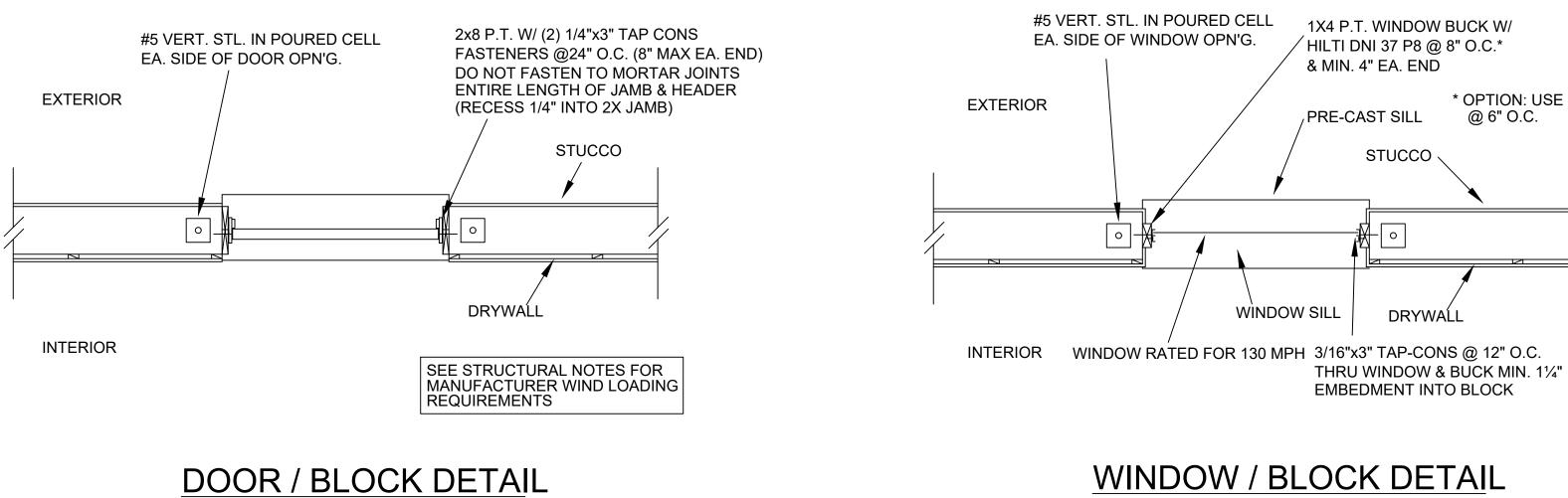
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REVISION:	-
SCALE	-

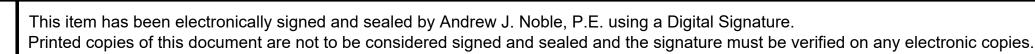










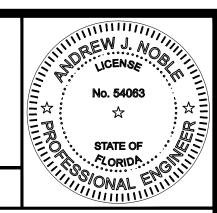






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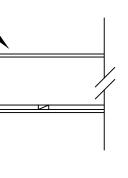




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* OPTION: USE "T" NAILS @ 6" O.C.



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SCALE: 1/2"=1'-0"

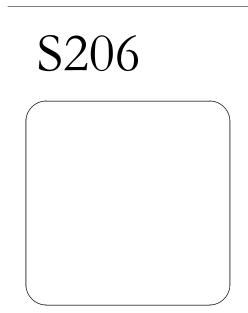
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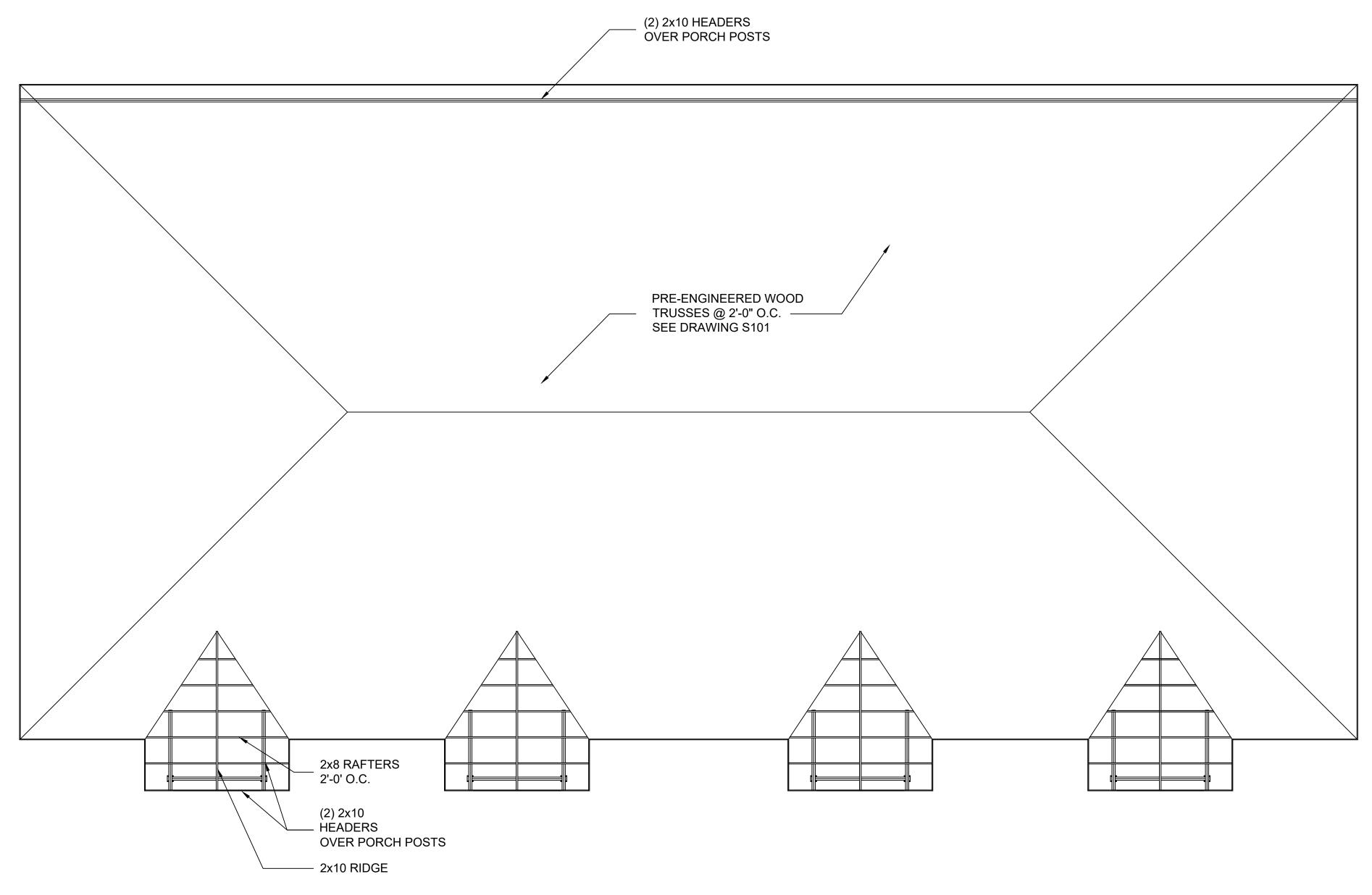
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Date Description

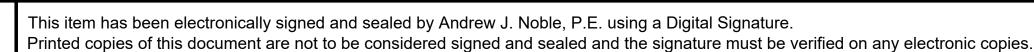
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12/12/2023 DRAWN BY: WN **REVISION:** -SCALE -





SCALE: 3/16" = 1'-0"



TRUSS CONNECTOR NOTE

TRUSS TO MASONRY CONNECTORS WITH NO IDENTIFYING MARK ARE TYPE "A" IN TRUSS CONNECTOR SCHEDULE.

2. TRUSS TO WOOD FRAME CONNECTIONS WITH NO IDENTIFYING MARK ARE TYPE "F" IN THE TRUSS CONNECTOR SCHEDULE.

UPLIFT MARK CAPACITY CONN SIMPSO (A) 1450 (2) SIMP 1985 (\mathbf{B}) SIMPSO (C) 2480 SIMPSO (D) 4940 (2) SIMP (E) 7185 USP HTS USP SPH F 1000 USP SPH 1/2" ANC (2) USP USP SPI G 1556 USP SPH 1/2" ANC (2) USP (2) USP (\mathbf{H}) 2900 (2) USP 1/2" ANC SIMPSO J 3610 SIMPSO SIMPSO (H1) SIMPSO 1550 SIMPSO (H2) 1550 (H3) 2000 SIMPSO (H4) SIMPSO 3295 (H5) SIMPSO 1135 3375 SIMPSO (H6) (H7) 2715 SIMPSO SIMPSO 6710 **C1** SIMPSO 5680

NOTES

- MANUFACTURER.

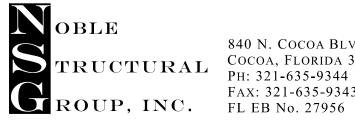
- OMITTED TRUSS CONNECTORS.
- **BEEN INCREASED BY 33%**

WOOD TRUSS BRACING NOTES.

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- a. b.
- c. LAP CLB, WHERE REQUIRED, 2'-0" MINIMUM.

ROOF TRUSS LAYOUT PHASE 1 PLAN



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TRUSS CONNECTOR SCHEDULE

NECTOR TYPE	FRAMING LOCATION
ON META 20 W/ (8) 10D	TRUSS TO BOND BEAM
PSON META 20 W/(10) 10D EACH	TRUSS TO BOND BEAM
ON DETAL 20 W/(9) 10D	TRUSS TO BOND BEAM
ON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM
PSON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM
FS12 W/ (14) 10D	TRUSS TO TOP PLATE
PH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD
PH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE
CHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
P HTS12 W/ (14) 10D	TRUSS TO TOP PLATE
PH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD
PH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE
CHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
P HTS12 W/ (20) 10D	TRUSS TO TOP PLATE
P HTS12 W/ (20) 10D	TOP PLATE TO STUD
P HTS12 W/ (20) 10D	STUD TO BOTTOM PLATE
CHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
ON HTT4 (PER MFG INSTALLATION)	TRUSS TO TOP PLATE
ON HTT4 (PER MFG INSTALLATION)	TOP PLATE TO (2) STUDS MIN
ON HTT4 (PER MFG INSTALLATION)	STUDS TO BOTTOM PLATE
ON HUS 26 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER
ON HUS 26-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER
ON HUS 28-2 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER
ON HUS 210-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER
ON HUC 410 (PER MFG INSTALLATION)	WOOD HEADER TO CMU
ON MBHA (PER MFG INSTALLATION)	WOOD HEADER TO CMU
ON MBHU3.56/16KT (PER MFG INST.)	LVL TO CMU
ON CB SERIES (PER MFG INSTALLATION)	WOOD POST BASE
ON CC SERIES (PER MFG INSTALLATION)	WOOD POST CAP

1. CONNECTORS OF EQUAL CAPACITY AND FUNCTION MAY BE SUBSTITUTED FOR THOSE SHOWN IN SCHEDULE 2. WORK THIS SCHEDULE WITH A SIGNED AND SEALED TRUSS DESIGN PACKAGE PROVIDED BY THE TRUSS

3. ALL CONNECTION HARDWARE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

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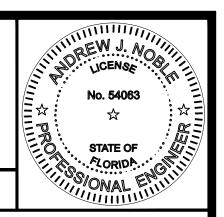
7. CAPACITY REPRESENTS THE MANUFACTURER'S LOAD RATING FOR THE CONNECTOR. THIS VALUE HAS NOT

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3. ALL PERMANENT BRACING MUST BE IN PLACE PRIOR TO APPLICATION OF TRUSS DESIGN LOADS. 4. PROVIDE X-BRACING AT THE ENDS OF BRACING LINES.





Tsark Architecture, LLC

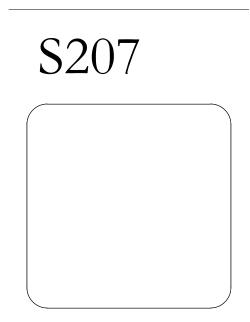
1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

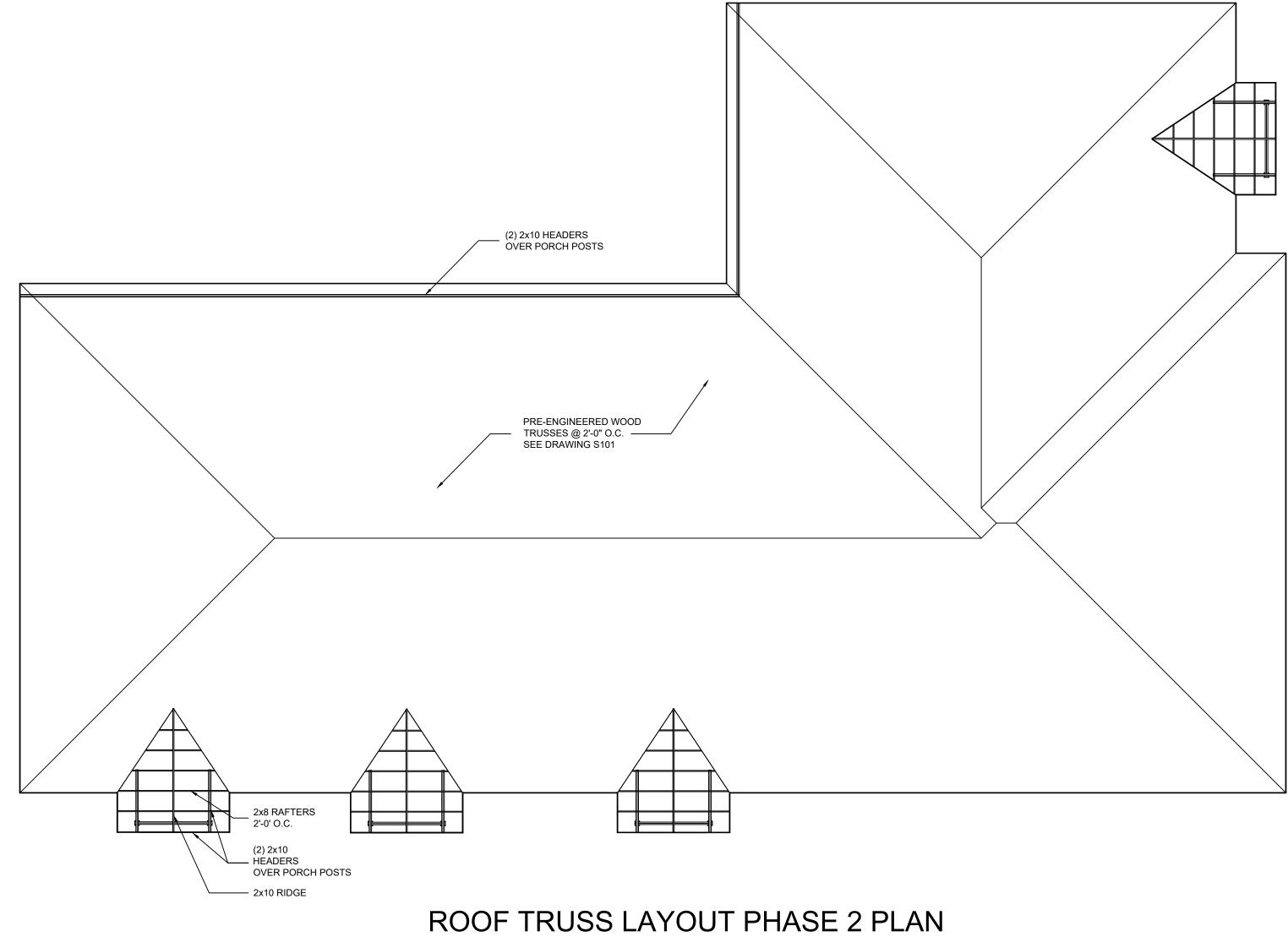
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Description	Date

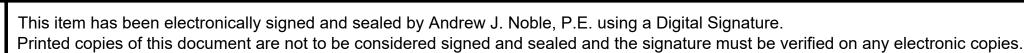
ROOF TRUSS LAYOUT PHASE 1

DATE:	12/12/2023
DRAWN BY:	WN
REVISION:	-
SCALE	-





SCALE: 1/8" = 1'-0"



TRUSS CONNECTOR NOTE

TRUSS TO MASONRY CONNECTORS WITH NO IDENTIFYING MARK ARE TYPE "A" IN TRUSS CONNECTOR SCHEDULE.

2. TRUSS TO WOOD FRAME CONNECTIONS WITH NO IDENTIFYING MARK ARE TYPE "F" IN THE TRUSS CONNECTOR SCHEDULE.

	TRUSS CONNECTOR SCHEDULE				
MARK	UPLIFT CAPACITY	CONNECTOR TYPE	FRAMING LOCATION		
A	1450	SIMPSON META 20 W/ (8) 10D	TRUSS TO BOND BEAM		
B	1985	(2) SIMPSON META 20 W/(10) 10D EACH	TRUSS TO BOND BEAM		
C	2480	SIMPSON DETAL 20 W/(9) 10D	TRUSS TO BOND BEAM		
D	4940	SIMPSON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM		
E	7185	(2) SIMPSON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM		
		USP HTS12 W/ (14) 10D	TRUSS TO TOP PLATE		
	1000	USP SPH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD		
(F)	1000	USP SPH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE		
		1/2" ANCHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION		
		(2) USP HTS12 W/ (14) 10D	TRUSS TO TOP PLATE		
	1556	USP SPH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD		
G	1556	USP SPH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE		
		1/2" ANCHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION		
	2900	(2) USP HTS12 W/ (20) 10D	TRUSS TO TOP PLATE		
(H)		(2) USP HTS12 W/ (20) 10D	TOP PLATE TO STUD		
		(2) USP HTS12 W/ (20) 10D	STUD TO BOTTOM PLATE		
		1/2" ANCHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION		
		SIMPSON HTT4 (PER MFG INSTALLATION)	TRUSS TO TOP PLATE		
	3610	SIMPSON HTT4 (PER MFG INSTALLATION)	TOP PLATE TO (2) STUDS MIN		
		SIMPSON HTT4 (PER MFG INSTALLATION)	STUDS TO BOTTOM PLATE		
H1	1550	SIMPSON HUS 26 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER		
H2	1550	SIMPSON HUS 26-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER		
H3	2000	SIMPSON HUS 28-2 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER		
H4	3295	SIMPSON HUS 210-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER		
H5	1135	SIMPSON HUC 410 (PER MFG INSTALLATION)	WOOD HEADER TO CMU		
H6	3375	SIMPSON MBHA (PER MFG INSTALLATION)	WOOD HEADER TO CMU		
H7	2715	SIMPSON MBHU3.56/16KT (PER MFG INST.)	LVL TO CMU		
©1 -	6710	SIMPSON CB SERIES (PER MFG INSTALLATION)	WOOD POST BASE		
	5680	SIMPSON CC SERIES (PER MFG INSTALLATION)	WOOD POST CAP		

NOTES

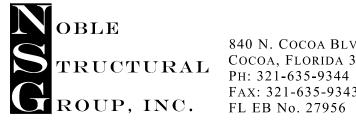
- MANUFACTURER.
- SPECIFICATIONS AND RECOMMENDATIONS.

- OMITTED TRUSS CONNECTORS.
- BEEN INCREASED BY 33%

WOOD TRUSS BRACING NOTES.

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- a.
- b. c. LAP CLB, WHERE REQUIRED, 2'-0" MINIMUM.



840 N. COCOA BLVD., SUITE B Cocoa, Florida 32926 Ph: 321-635-9344 FAX: 321-635-9343

Consulting Engineers

TRUSS CONNECTOR SCHEDULE

1. CONNECTORS OF EQUAL CAPACITY AND FUNCTION MAY BE SUBSTITUTED FOR THOSE SHOWN IN SCHEDULE 2. WORK THIS SCHEDULE WITH A SIGNED AND SEALED TRUSS DESIGN PACKAGE PROVIDED BY THE TRUSS

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Tsark Architecture, LLC

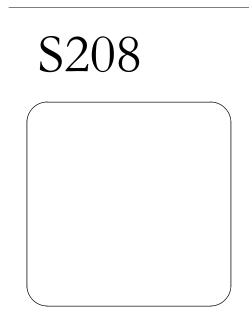
1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

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Description	Date

ROOF TRUSS LAYOUT PHASE 2

DATE:	12/12/2023
DRAWN BY:	WN
REVISION:	-
SCALE	-



FORM R405-2020

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: HOPE HAMMOCK OF TI Street: 550 SOUTH BROWN STF City, State, Zip: TITUSVILLE , FL , 32796 Owner: Design Location: FL, Orlando	REET	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Brevard (Florida Climate Zo	one 2)
 New construction or existing Single family or multiple family Number of units, if multiple family Number of Bedrooms 	New (From Plans) Attached 1 3 No 1059 0 Area 125.00 ft ² ft ² ft ² ft ² ft ²	 10. Wall Type\$1329.2 sqft.) a. Concrete Block - Int Insul, Exterior b. Frame - Wood, Common c. N/A d. N/A 11. Ceiling Types (1059.0 sqft.) a. Cathedral/Single Assembly (Vented) b. N/A c. N/A 12. Ducts a. Sup: 1st Floor, Ret: 1st Floor, AH: 1st 13. Cooling systems a. Central Unit 14. Heating systems 	Insulation Area R=9.4 925.00 ft ² R=4.0 404.17 ft ² R= ft ² R= ft ² Insulation Area R=30.0 1059.00 ft ² R= ft ² R= ft ² R= ft ² R= ft ² R ft ² t Floor 6 75 kBtu/hr Efficiency 18.0 SEER:14.00
Area Weighted Average SHGC: 8. Skylights c. U-Factor:(AVG) N/A SHGC(AVG): N/A 9. Floor Types (1059.0 sqft.) Insu a. Slab-On-Grade Edge Insulation R=0 b. N/A R= c. N/A R=	ft²	 a. Electric Strip Heat 15. Hot water systems a. Electric b. Conservation features None 16. Credits 	14.0 COP:1.00 Cap: 50 gallons EF: 0.920 None
- Glass/Floor Area: 0.118	Total Proposed Modified Total Baseline I		PASS
I hereby certify that the plans and specifica this calculation are in compliance with the I Code. PREPARED BY: <u>KEITH PRZECLAWS</u> DATE: <u>12-19-2023</u> I hereby certify that this building, as design with the Florida Energy Code. OWNER/AGENT: DATE:	Florida Energy	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.	COP WE TRUST

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.35 ACH50 (R402.4.1.2).

	2020	INPUT SL		PROJEC								
Title: Building Type Owner Name # of Units: Builder Name Permit Office Jurisdiction: Family Type: New/Existing Comment:	e: 1 e: :: Attached		Bedrooms: Conditioner Total Storie Worst Case Rotate Ang Cross Vent Whole Hou	3 d Area: 1 es: 1 e: N le: 0 ilation:	059		Lot # Block PlatB Stree Coun	:/Subdivisi ook: t:	ion: 550 Bre	eet Addre 0 SOUTH evard USVILLE , 3279	I BROW	VN S
				CLIMAT	E							
√ р	esign Location	TMY Site		Des 97.5	ign Temp % 2.5 %		sign Tem r Summ		ating ee Days		n Daily re Ra	/ Temp ange
	FL, Orlando	FL_ORLANDO_IN	TL_AR	41	91	70	75	5	526	44	M	edium
				BLOCK	S							
Number	Name	Area	Volume									
1	Block1	1059	10590									
				SPACE	S							
Number	Name	Area	Volume k	Kitchen C	occupants	Bedroo	ms Ir	nfil ID F	inished	Coo	led	Heat
1	1st Floor	1059	10590	Yes	4	3	1	١	/es	Yes		Yes
				FLOOR	S							
/ #	Floor Type	Space	Perin	neter R	-Value	Area			Т	Tile Wo	ood Ca	arpet
18	Slab-On-Grade Edge	Insulatio 1st F	Floor 134	ft	0.8	1059 ft ²				0 0)	1
				ROOF								
V #	Туре	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pito (de
1	Gable or shed	Flat tile/slate	1147 ft ²	220 ft ²	Medium	N	0.96	No	0.9	No	30	22.
				ATTIC								
V #	Туре	Ventila	ation	Vent Ratio ((1 in)	Area	RBS	IRC	;C			
1	No attic	Vent	ed	300	1	059 ft ²	Ν	N				
				CEILING	3							
V #	Ceiling Type		Space	R-Value	Ins Ty	ре	Area	Frami	ing Frac	Truss	Туре	

FORM R405-2020

INPUT SUMMARY CHECKLIST REPORT

						WA	LLS							
V #	Ornt	Adjao To	ent	Туре	Space	Cavity R-Value	Wid Ft		Height Ft In	Area		ing Framing Je Fractior		
1	Omi N	Exterio		ncrete Block - Int I			FL 25		сц <u>ії</u> О	251.7 ft ²			0.75	
2	Е	Neighbo	or Fra	me - Wood	1st Floor	· 4	40		0	404.2 ft ²		0.12	0.75	C
3	S	Exterio		ncrete Block - Int			25		0	251.7 ft ²		0	0.75	
4	W	Exterio		ncrete Block - Int			42		0	421.7 ft ²		0	0.75	
							ORS		-			-		
		0		Desertaria	0	00	UKS	01	11.)/-1		Width	Heig	ht	A
	#	Orr	11	Door Type	Space			Storms	U-Valu	F		Ft	In	Area
	1	Ν		Wood	1st Floor			None	.2	3	3 2	8		25.3 ft ²
	2	S		Wood	1st Floor			None	.2	3	3 2	8		25.3 ft²
				0	rientation show		DOWS		oriontation					
/		Wal	1	0	nemation show		ileieu, r	Toposeu	Unentation		rhang			
\checkmark	# (Ornt ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		Separatio	on Int Sh	nade	Screeni
	1	N 1	Wood	Double (Clear)	Yes	0.4	0.25	Ν	50.0 ft ²	0 ft 0 in	0 ft 0 in	No	ne	None
	2	S 3	Wood	Double (Clear)	Yes	0.4	0.25	Ν	50.0 ft ²	0 ft 0 in	0 ft 0 in	No	ne	None
	3	W 4	Wood	Double (Clear)	Yes	0.4	0.25	Ν	25.0 ft ²	0 ft 0 in	0 ft 0 in	No	ne	None
	Ũ													
	0					INFILT	RATIC	N						
 			Method		SLA C	INFILT	RATIC		qLA	ACH	A	CH 50		
	Scope			CH(50) .0				E	qLA 7.21	ACH .1176		CH 50 5.3475		
	Scope		Method	CH(50) .0	0034	CFM 50	ELA 51.78	E 9						
	Scope		Method posed AC		0034	CFM 50 943.8	ELA 51.78	E 9	7.21				Block	Ducts
	Scope	e Proj System	Method posed AC	S	0034 I	CFM 50 943.8 HEATING	ELA 51.78	е 9 Г ЕМ	7.21 y (.1176			Block 1	
	Scope blehouse #	e Proj System	Method bosed AC	S	0034 I ubtype lone	CFM 50 943.8 HEATING	ELA 51.78	9 FEM Efficienc COP:1	7.21 y (.1176 Capacity				
	Scope blehouse #	e Proj System	Method bosed AC Type Strip Hea	S at/ N	0034 I ubtype lone	CFM 50 943.8 HEATINC Speed	ELA 51.78 3 SYS ⁻ 3 SYS ⁻	9 FEM Efficienc COP:1	7.21 y (.1176 Capacity 4 kBtu/hr				sys#1
	Scope blehouse # 1	e Prop System Electric	Method bosed AC Type Strip Hea Type	S at/ N S	0034 ubtype lone	CFM 50 943.8 HEATINC Speed	ELA 51.78 5 SYS	E 9 FEM Efficienc COP:1 TEM	7.21 y (14	.1176 Capacity 4 kBtu/hr ity A	5	5.3475	1	sys#1 Ducts
	Scope blehouse # 1 #	e Prop System Electric System	Method bosed AC Type Strip Hea Type	S at/ N S	0034 ubtype one ubtype plit	CFM 50 943.8 HEATING Speed COOLING Subtype	ELA 51.78 5 SYS 5 SYS 6 E 8	Efficience COP:1 TEM Efficiency SEER: 14	7.21 y (14	.1176 Capacity 4 kBtu/hr ity A	tir Flow	5.3475 SHR	1 Block	sys#1 Ducts
	Scope blehouse # 1 #	e Prop System Electric System Central	Method bosed AC Type Strip Hea Type	s at/ N S S	0034 ubtype one ubtype plit	CFM 50 943.8 HEATINC Speed COOLINC Subtype Singl	ELA 51.78 5 SYS 5 SYS 6 E 8	Efficience COP:1 TEM Efficiency EER: 14 STEM	7.21 y (14	.1176 Capacity 4 kBtu/hr ity A	ir Flow 40 cfm	5.3475 SHR 0.75	1 Block	Ducts sys#1 Ducts sys#1
	Scope blehouse # 1 1 #	e Prop System Electric System Central	Method posed AC Type Strip Hea Type Unit/	sat/ N S SubType	0034	CFM 50 943.8 HEATINC Speed COOLINC Subtype Singl	ELA 51.78 5 SYS 5 SYS E ER SYS	Efficiency COP:1 TEM Efficiency SEER: 14 STEM	7.21 <u>y (</u> 14 • Capac • 18 kBtu	.1176 Capacity 4 kBtu/hr ity A /hr 54	sir Flow 40 cfm	5.3475 SHR 0.75 Cons	1 Block 1	sys#1 Ducts
	Scope blehouse # 1 # 1 # 1	e Prop System Electric System Central	Method posed AC Type Strip Hea Type Unit/	sat/ N S SubType	0034	CFM 50 943.8 HEATINC Speed COOLINC Subtype Singl DT WATI	ELA 51.78 5 SYS 5 SYS 5 SYS ER SYS Ca 50 g	E 9 FEM Efficiency COP:1 TEM Efficiency SEER: 14 STEM p al	7.21 <u>y (</u> 14 <u>Capac</u> 18 kBtu <u>Use</u> 70 gal	.1176 Capacity 4 kBtu/hr ity A /hr 54 SetPr	sir Flow 40 cfm	5.3475 SHR 0.75 Cons	1 Block 1	sys#1 Ducts
	Scope blehouse # 1 # 1 # 1	e Prop System Electric System Central System Electri	Method posed AC Type Strip Hea Type Unit/	Sat/ N Sat/ N S SubType None	0034	COOLINC Subtype Singl CT WATI EF 0.92	ELA 51.78 5 SYS 5 SYS 6 E 5 SYS 7 E 50 g 7 ATER	Efficience COP:1 TEM Efficiency Efficiency EER: 14 STEM p al SYST	7.21 <u>y (</u> 14 <u>Capac</u> 18 kBtu <u>Use</u> 70 gal	.1176 Capacity 4 kBtu/hr ity A /hr 54 SetPr 120 de	sir Flow 40 cfm	5.3475 SHR 0.75 Cons	1 Block 1 servation Jone	sys#1 Ducts

FORM R405-2020

INPUT SUMMARY CHECKLIST REPORT

							DUCTS								
\checkmark	#	Sup Location R	oply 2-Value Area		Retu ation	ırn Area	Leakag	је Туре	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV/ Heat	AC # Cool
	1	1st Floor	6 75 ft ²	1st	Floor	0 ft ²	Default	Leakage	1st Floor	(Default)	(Defaul	t)		1	1
						TEM	PERATUF	RES							
Programa	able Thei	mostat: N			Ce	iling Fans	3:								
Cooling Heating Venting	[] Jar [X] Jar [] Jar	ר [X] Feb	[] Mar [X] Mar [X] Mar	[]Apr []Apr [X] Apr] May] May] May	[X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [[] [X]	Oct Oct Oct	[] Nov [X] Nov [X] Nov	ixi	Dec Dec Dec
Thermostat		le: HERS 20	06 Reference		2	4	F		urs 7	0	0	10	4.4		10
Schedule T	уре		1	2	3	4	5	6	1	8	9	10	11		12
Cooling (W	D)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	77	78 78
Cooling (W	EH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	77	78 78
Heating (W	'D)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	e	58 58
Heating (W	'EH)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	6	58 58
							MASS								
Ма	ss Type			Area	_		Thickness	F	Furniture Fra	ction	S	pace			
De	fault(8 lb:	s/sq.ft.		0 ft²			0 ft		0.3		1	st Floor			

Location Building owner Program user Company Comments	TITUSVILLE JOSH M CEG	FL
By Dataset name		MINER\DESKTOP\LOADS\TSARK\200236 MOCK\HOPE HAMMOCK LOADS.TRC
Calculation time TRACE® 700 version	11:42 AM on 6.3.5	12/19/2023
Location Latitude Longitude Time Zone Elevation Barometric pressure	Cape Kenne 28.0 80.0 5 16 29.9	dy, Florida deg deg ft in. Hg
Air density Air specific heat Density-specific heat product Latent heat factor Enthalpy factor	0.0760 0.2444 1.1147 4,906.9 4.5604	lb/cu ft Btu/lb·°F Btu/h·cfm·°F Btu·min/h·cu ft Ib·min/hr·cu ft
Summer design dry bulb Summer design wet bulb Winter design dry bulb Summer clearness number Winter clearness number Summer ground reflectance Winter ground reflectance Carbon Dioxide Level	88.0 78.0 38.0 0.95 0.95 0.20 0.20 400	°F °F ppm
Design simulation period Cooling load methodology Heating load methodology		ecember ASHRAE TFM) ASHRAE-TFM)





UNIT A EXTERIOR

Single Zone

	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	DIL PEAK		TEMPE	ERATURE	ES
	d at Time: utside Air:	Mo/H OADB/WB/HI	lr: 7 / 18 R: 85 / 77 /	127	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 84.6	Heating 74.5 65.8
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak	Percent	Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Of Total	Ret/OA	75.0	70.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads				Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0	-	0	Skylite Cond	0	0	0.00			
Roof Cond	0	1,703	1,703	12		0	Roof Cond	0	-844	29.92			
Glass Solar	520	0	520	4		4	Glass Solar	0	0	0.00		FLOWS	
Glass/Door Con		0	154	1	154	1	Glass/Door Cond	-578	-578	20.50		Cooling	Heating
Wall Cond	1,659	543	2,202	15		13	Wall Cond	-1,035	-1,399	49.58	Diffuser	568	568
Partition/Door	0		0	0	•	0	Partition/Door	0	0	0.00	Terminal	568	
Floor	0	0.00	0	0		0	Floor	0	0	0.00	Main Fan	568	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00			
Infiltration	0		0	0	-	0	Infiltration	0	0	0.00	Sec Fan	0	•
Sub Total ==>	2,333	2,247	4,580	32	2,333	18	Sub Total ==>	-1,613	-2,821	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0
Lights	2.487	622	3.109	22	2.487	20	Lights	0	0	0.00	MinStop/Rh	0	Õ
People	3,000	022	3,000	21		12	People	0	0	0.00	Return	568	
Misc	3,584	ŏ	3,584	25		28	Misc	Ő	ŏ	0.00	Exhaust	000	
Sub Total ==>	9.071	622	9,693	68		60	Sub Total ==>	0	0	0.00	Rm Exh	0	0
	5,071	022	5,000	00	7,071	00		0	0	0.00	Auxiliary	0	0
Ceiling Load	2.760	-2.760	0	0	2.760	22	Ceiling Load	-1,208	0	0.00	Leakage Dwn	0	0
Ventilation Load	_, 0	_,0	Ō	Ō		0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans He	at 0		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Siz	ina		0	0			Ov/Undr Sizina	0	0	0.00			
Ov/Undr Sizing	0		Ő	õ		0	Exhaust Heat		0	0.00	ENGINE		KS
Exhaust Heat	Ū	0	ŏ	Ŏ		Ŭ	OA Preheat Diff.		0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00			Heating
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	0.0	0.0
Duct Heat Pkup		0	0	0							cfm/ft ²	0.62	0.62
Underflr Sup Ht	Pkup		0	0			Underflr Sup Ht Pku	р	0	0.00	cfm/ton	477.60	
Supply Air Leaka	age	0	0	0			Supply Air Leakage	-	0	0.00	ft²/ton	765.95	
	-						•				Btu/hr·ft ²	15.67	-3.10
Grand Total ==>	14,164	108	14,273	100.00	12.664	100.00	Grand Total ==>	-2,821	-2.821	100.00	No. People	6	

	Total C	apacity		COIL SEI			B/HR	Leave	DB/\	WB/HR	Gros	AREA s Total	S Glas	s	HEAT	ING COIL S CapacityCoil		ION Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb			ft²	(%)		• MBh	cfm	°F	
Main Clg Aux Clg	1.2 0.0	14.3 0.0	12.8 0.0	568 0	75.0 0.0	60.7 0.0	56.5 0.0	55.0 \$ 0.0	51.8 0.0	52.4 0.0	Floor Part	911 0			Main Htg Aux Htg	-2.8 0.0		70.0 0.0	74.5 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door ExFlr	1 0			Preheat	0.0	0	0.0	0.0
Total	1.2	14.3									Roof Wall	911 576	0 76	0 13	Humidif Opt Vent	0.0 0.0	0 0	0.0 0.0	0.0 0.0
											Ext Door	0	0	0	Total	-2.8			

UNIT A INTERIOR

Single Zone

C	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	DIL PEAK		ТЕМРЕ	RATURE	ES
	l at Time: itside Air:	Mo/H OADB/WB/HF	lr: 7 / 17 R: 87 / 78 /	132	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 83.6	Heating 73.3 66.5
	Space	Plenum		Percent		Percent		Space Peak	Coil Peak I		Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Ret/OA	75.0 0.0	70.0 0.0
Envelope Loads	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Envelope Loads	Btu/h	Btu/h	(%)	Fn MtrTD Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00	FILFIC	0.0	0.0
Roof Cond	Ő	1.781	1.781	14	-	0	Roof Cond	0	-864	47.35			
Glass Solar	559	0	559	4	-	5	Glass Solar	Ő	0	0.00	AIR	FLOWS	
Glass/Door Cond		Ő	89	1	94	1	Glass/Door Cond	-457	-457	25.02			l la atima
Wall Cond	352	140	491	4	344	3	Wall Cond	-349	-504	27.62		Cooling	-
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	Diffuser	496	
Floor	0		0	0		0	Floor	0	0	0.00	Terminal	496	
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	496	
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan	0	0
Sub Total ==>	1,000	1,921	2,920	23	978	9	Sub Total ==>	-806	-1,825	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0 0
Lights	2.487	622	3.109	25	2.487	22	Lights	0	0	0.00	MinStop/Rh	0	0
People	3.000	0	3.000	24		14	People	Ő	Õ	0.00	Return	496	496
Misc	3,584	Ō	3,584	28		32	Misc	Ō	Ō	0.00	Exhaust	0	0
Sub Total ==>	9,071	622	9,693	77	7,571	68	Sub Total ==>	0	0	0.00	Rm Exh	0	-
											Auxiliary	0	•
Ceiling Load	2,488	-2,488	0	0		23	Ceiling Load	-1,019	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	-	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Hea			0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Sizi	3		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0		0	Exhaust Heat		0	0.00	ENGINE	ERING C	CKS
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00		Cooling	Heating
Sup. Fan Heat		0	0	0			RA Preheat Diff.		0	0.00	% OA	0.0	
Ret. Fan Heat		0	0 0	0			Additional Reheat		0	0.00	cfm/ft ²	0.0	0.54
Duct Heat Pkup	lkun	U	0	0			Underfle Sun Ht Dku	n	0	0.00	cfm/ton	471.93	0.54
Underfir Sup Ht P		0	0	0			Underflr Sup Ht Pku	h	0	0.00	ft²/ton	471.93 866.71	
Supply Air Leaka	ye	U	0	0	'		Supply Air Leakage		0	0.00	Btu/hr·ft ²		2.00
Grand Total ==>	10 550	55	10 610	100.00	11.059	100.00	Grand Total ==>	1 005	1 005	100.00		13.85 6	-2.00
Grand Total ==>	12,558	55	12,613	100.00	11,059	100.00	Grand Total ==>	-1,825	-1,825	100.00	No. People	6	

			COOLING	COIL SEI	LECT	ION					AR	EAS		HEAT	ING COIL S	ELECT	ION	
	Total C ton	apacity MBh	Sens Cap. MBh	Coil Airflow cfm	° Ente °F		B/HR gr/lb	Leave DE °F °I			Gross Tota	I Gla	ass ' (%)		CapacityCoi MBh	l Airflow cfm	Ent °F	Lvg °F
Main Clg Aux Clg	1.1 0.0	12.6 0.0	11.1 0.0	496 0	75.0 0.0	60.9 0.0	57.5 0.0	55.0 52.0 0.0 0.0)		Main Htg Aux Htg	-1.8 0.0	496 0	70.0 0.0	73.3 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0.0	0 0.	Int E)		Preheat	0.0	0	0.0	0.0
Total	1.1	12.6								Roo Wall	f 91 ⁻	0 60	0 25	Humidif Opt Vent	0.0 0.0	0 0	0.0 0.0	0.0 0.0
										Ext	Door (0 0	0	Total	-1.8			

Project Name: HOPE HAMMOCK Dataset Name: HOPE HAMMOCK LOADS.TRC

UNIT B EXTERIOR

Single Zone

(COOLING	COIL PEAK			CLG SPAC	E PEAK	,	HEATING CO	DIL PEAK		TEMPE	ERATURE	ES
	d at Time: utside Air:	Mo/H OADB/WB/HF	lr: 7 / 18 R: 85 / 77 /	127	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 85.3	Heating 74.5 65.6
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak I	Percent	Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Of Total	Ret/OA	75.0	70.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads				Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond Roof Cond	0	0	0	0		0	Skylite Cond Roof Cond	0	0	0.00			
Glass Solar	0 1,188	1,834 0	1,834 1,188	11 7	-	0 8	Glass Solar	0	-838 0	25.60 0.00		FLOWS	
Glass Solal Glass/Door Con		0	240	1	240	2	Glass/Door Cond	-761	-761	23.25			
Wall Cond	1.875	585	2.461	15		13	Wall Cond	-1,236	-1,674	51.15		Cooling	Heating
Partition/Door	1,075	000	2,401	0		0	Partition/Door	-1,200	-1,074	0.00	Diffuser	657	657
Floor	õ		õ	Ő	•	Õ	Floor	Ő	õ	0.00	Terminal	657	657
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	657	657
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan	0	0
Sub Total ==>	3,304	2,419	5,723	35	3,282	22	Sub Total ==>	-1,996	-3,273	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0
Lights	2,490	623	3.113	19	2,490	17	Lights	0	0	0.00	MinStop/Rh	0	•
People	3.500	025	3,500	21	1.750	12	People	0	0	0.00	Return	657	657
Misc	4.096	õ	4.096	25		28	Misc	Ő	õ	0.00	Exhaust	0	
Sub Total ==>	10,086	623	10,708	65	,	57	Sub Total ==>	0	0	0.00	Rm Exh	0	0
	- ,		-,		-,						Auxiliary	0	0
Ceiling Load	2,985	-2,985	0	0	3,019	21	Ceiling Load	-1,276	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans He	at 0		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Siz	ing		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0		0	Exhaust Heat		0	0.00	ENGINE	ERING C	KS
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00	% OA	Cooling 0.0	Heating 0.0
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	cfm/ft ²	0.0	0.0
Duct Heat Pkup	Dkup	0	0	0			Underfly Sun Ut Div	n	0	0.00	cfm/ton	0.72 479.47	0.72
Underflr Sup Ht Supply Air Leaka		0	0	0			Underflr Sup Ht Pku Supply Air Leakage	h	0	0.00	ft²/ton	479.47 666.06	
Supply Air Leaka	age	U	0	0			Supply Air Leakage		0	0.00	Btu/hr·ft ²	18.02	-3.59
Grand Total ==>	16,374	57	16,431	100.00	14,637	100.00	Grand Total ==>	-3,273	-3,273	100.00	No. People	18.02 7	-3.39

	Total C	apacity		COIL SEI				Leave D		р/Цр	Groo	AREA s Total	S Glas	•	HEAT	ING COIL S CapacityCoil			. L.v.a
	ton	MBh	MBh	con Airnow cfm	°F	°F	gr/lb		_	gr/lb	Gros	STOLAT	ft ²	。 (%)		MBh	cfm	Ent °F	
Main Clg	1.4	16.4	14.7	657	75.0	60.8	57.0	55.0 52.	.0 క	53.1	Floor	912			Main Htg	-3.3	657	70.0	74.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0.	.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0.	.0	0.0	Int Door ExFlr	1 0			Preheat	0.0	0	0.0	0.0
Total	1.4	16.4									Roof	912	0	0	Humidif	0.0	0	0.0	0.0
											Wall	700	100	14	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.3			

UNIT B INTERIOR

Single Zone

	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	DIL PEAK		TEMPE	ERATURE	ES
	ed at Time: outside Air:	Mo/H OADB/WB/HI	lr:7/18 R:85/77/	127	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: Ho OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 84.2	Heating 73.7 66.2
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak I	Percent	Return	75.0	70.0
	Sens. + Lat.	Sens. + Lat	Total	Of Total	Sensible	Of Total		Space Sens	Tot Sens (Of Total	Ret/OA	75.0	70.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads				Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00			
Roof Cond	0	1,883	1,883	13		0	Roof Cond	0	-857	37.17			
Glass Solar	594	0	594	4		5	Glass Solar	0	0	0.00		FLOWS	
Glass/Door Con		0	193	1	197	2	Glass/Door Cond	-609	-609	26.41		Cooling	Heating
Wall Cond	565	174	738	5		4	Wall Cond	-596	-839	36.42	Diffuser	553	553
Partition/Door	0		0	0	•	0	Partition/Door	0	0	0.00		553	
Floor	0		0	0		0	Floor	0	0	0.00	Terminal Main Fan	553	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00			
Infiltration	0		0	0	-	0	Infiltration	0	0	0.00	Sec Fan	0	
Sub Total ==>	1,352	2,056	3,408	24	1,309	11	Sub Total ==>	-1,205	-2,305	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0
Lights	2,490	623	3.113	22	2.490	20	Lights	0	0	0.00	MinStop/Rh	0	-
People	3.500	025	3,500	25		14	People	0	0	0.00	Return	553	-
Misc	4.096	Ő	4.096	29		33	Misc	Ő	Ő	0.00	Exhaust	000	
Sub Total ==>	10,086	623	10,708	76	,	68	Sub Total ==>	0	0	0.00	Rm Exh	Ő	(
Sub 10(a)>	10,000	025	10,700	70	0,000	00	Sub 10tal>	0	0	0.00	Auxiliary	0	C
Ceiling Load	2.643	-2,643	0	0	2.691	22	Ceiling Load	-1,100	0	0.00	Leakage Dwn	0	C
Ventilation Load		2,010	õ	õ		0	Ventilation Load	0	0	0.00	Leakage Ups	0	Ċ
Adj Air Trans He	at 0	2	0	0	0	0	Adj Air Trans Heat	0	0	0		Ŭ	
Dehumid. Ov Siz			0	0			Ov/Undr Sizina	0	0	0.00	L		
Ov/Undr Sizing	0			Ő		0	Exhaust Heat	-	0	0.00	ENGINE		:KS
Exhaust Heat	0	0	0 0	ŏ		Ũ	OA Preheat Diff.		0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00			Heating
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	0.0	0.0
Duct Heat Pkup		0	0	0							cfm/ft ²	0.61	0.61
Underflr Sup Ht			0	0			Underflr Sup Ht Pku	р	0	0.00	cfm/ton	470.40	
Supply Air Leaka	age	0	0	0			Supply Air Leakage		0	0.00	ft²/ton	775.29	
											Btu/hr·ft ²	15.48	-2.53
Grand Total ==>	14,081	35	14,116	100.00	12,336	100.00	Grand Total ==>	-2,305	-2,305	100.00	No. People	7	

	Total C ton	apacity MBh		Coil Airflow		r DB/W	B/HR gr/lb	Leave °F	DB/\ °F	WB/HR gr/lb	Gros	AREA s Total	S Glas	s (%)	HEAT	ING COIL S CapacityCoil MBh			Lvg °F
Main Clg Aux Clg	1.2 0.0	14.1 0.0	12.4 0.0	553 0	75.0 0.0	61.1 0.0	58.1 0.0	55.0 5 0.0	52.1 0.0	53.5 0.0	Floor Part	912 0			Main Htg Aux Htg	-2.3 0.0	553 0	70.0 0.0	73.7 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door ExFlr	1			Preheat	0.0	0	0.0	0.0
Total	1.2	14.1									Roof Wall Ext Door	912 380	0 80 0	0 21	Humidif Opt Vent <i>Total</i>	0.0 0.0 -2.3	0 0	0.0 0.0	0.0 0.0

Project Name: HOPE HAMMOCK Dataset Name: HOPE HAMMOCK LOADS.TRC

UNIT C EXTERIOR

Single Zone

(COOLING	COIL PEAK			CLG SPAC	E PEAK	,	HEATING CO	DIL PEAK		ТЕМРЕ	RATURE	S
	d at Time: utside Air:	Mo/H OADB/WB/HF	lr: 7 / 16 R: 88 / 78 /	133	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 83.3	Heating 74.1 65.9
	Space	Plenum		Percent		Percent		Space Peak	Coil Peak I		Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Ret/OA	75.0	70.0
Envelope Loads	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Envelope Loads	Btu/h	Btu/h	(%)	Fn MtrTD Fn BldTD	0.0 0.0	0.0 0.0
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00		0.0	0.0
Roof Cond	Ő	1.555	1.555	11	-	Ő	Roof Cond	Ő	-847	31.93			
Glass Solar	870	0	870	6		7	Glass Solar	Ő	0	0.00	AIR	FLOWS	
Glass/Door Cond	161	Ō	161	1	185	1	Glass/Door Cond	-609	-609	22.94			Heating
Wall Cond	1,042	354	1,397	10	900	7	Wall Cond	-875	-1,197	45.13		Cooling	-
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	Diffuser	575	575
Floor	0		0	0		0	Floor	0	0	0.00	Terminal	575	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	575	0.0
Infiltration	0		0	0	-	0	Infiltration	0	0	0.00	Sec Fan	0	0
Sub Total ==>	2,073	1,909	3,982	27	1,922	15	Sub Total ==>	-1,484	-2,653	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent	0	0
Lights	2.485	621	3.106	21	2,485	19	Lights	0	0	0.00	MinStop/Rh	0	0
People	3.500	0	3.500	24		14	People	Ő	õ	0.00	Return	575	575
Misc	4,096	Ő	4,096	28		32	Misc	Ő	Õ	0.00	Exhaust	0	0
Sub Total ==>	10,080	621	10,701	73	8,330	65	Sub Total ==>	0	0	0.00	Rm Exh	0	0
											Auxiliary	0	0
Ceiling Load	2,397	-2,397	0	0		20	Ceiling Load	-1,170	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	-	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Hea	at O		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Sizi	ing		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0		0	Exhaust Heat		0	0.00	ENGINE	ERING C	KS
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00		Cooling	Heating
Sup. Fan Heat		0	0	0			RA Preheat Diff.		0	0.00	% OA	0.0	Heating 0.0
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	cfm/ft ²	0.63	0.63
Duct Heat Pkup	Pkup	0	0	0			Undorfir Sun Ht Dku	n	0	0.00	cfm/ton	469.91	0.05
Underflr Sup Ht F Supply Air Leaka		0	0	0			Underflr Sup Ht Pku Supply Air Leakage	h	0	0.00	ft²/ton	743.67	
Suppry All Leaka	ye	0	0	0			Supply All Leakage		0	0.00	Btu/hr·ft ²	16.14	-2.92
Grand Total ==>	14,550	134	14,684	100.00	12.820	100.00	Grand Total ==>	-2,653	-2,653	100.00	No. People	10.14	-2.92
	14,000	104	14,004	100.00	12,020	100.00		-2,000	-2,000	100.00	No. Feople	1	

	Total C ton	apacity MBh	COOLING Sens Cap. MBh	COIL SEI Coil Airflow		r DB/W	B/HR gr/lb	Leave D °F	рв/м °F	VB/HR gr/lb	Gros	AREA s Total	S Glas ft²	s (%)	HEAT	ING COIL S CapacityCoi MBh			Lvg °F
Main Clg Aux Clg	1.2 0.0	14.7 0.0	12.9 0.0	575 0	75.0 0.0	61.1 0.0	58.2 0.0	55.0 52 0.0 0	2.1).0	53.5 0.0	Floor Part	910 0			Main Htg Aux Htg	-2.7 0.0	575 0	70.0 0.0	74.1 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0	0.0	0.0	Int Door ExFir	1			Preheat	0.0	0	0.0	0.0
Total	1.2	14.7									Roof Wall	910 508	0 80	0 16	Humidif Opt Vent	0.0 0.0	0 0	0.0 0.0	0.0 0.0
											Ext Door	0	0	0	Total	-2.7			

Project Name: HOPE HAMMOCK Dataset Name: HOPE HAMMOCK LOADS.TRC

PROJECT INFORMATION

PROJECT ADDRESS: 550 BROWN AVENUE TITUSVILLE, FLORIDA

AUTHORITY HAVING JURISDICTION: CITY OF TITUSVILLE

OWNER: COMMUNITY OF BREVARD

4515 S. BABCOCK STREET, PALM BAY FLORIDA 32905 (321) 474-0966 HOPPER.STEPH@GMAIL.COM

ARCHITECT: TSARK ARCHITECTURE 1990 W. NEW HAVEN SUITE 306 MELBOURNE, FL 32904 PHONE: 321-241-6378

CIVIL ENGINEER/LANDSCAPE DESIGN: CONSULTING CIVIL ENGINEERS INC. 3650 BOBBI LANE, SUITE 119 TITUSVILLE FLORIDA 32780 (321) 269-9930

STRUCTURAL ENGINEER: NOBLE STRUCTURAL GROUP, INC. 840 N. COCOA BLVD., SUITE B COCOA, FLORIDA 32926 PHONE: (321) 635-9344

MECHANICAL ENGINEER: CONSTRUCTION ENGINEERING GROUP 2651 W. EAU GALLIE BLVD SUITE A, MELBOURNE, FL 32935 PHONE: (321) 253-1221

ELECTRICAL ENGINEER: CONSTRUCTION ENGINEERING GROUP 2651 W. EAU GALLIE BLVD SUITE A, MELBOURNE, FL 32935

GENERAL CONTRACTOR: NAME: TBD

PHONE: (321) 253-1221

ADDRESS: TBD PHONE: TBD

PROJECT SUMMARY: THIS PROJECT IS A NEW SINGLE STORY, MULTI-FAMILY, MASONRY STRUCTURE.

APPLICABLE CODES:

- FLORIDA BUILDING CODE, 7TH EDITION FBC FBC ACCESSIBILITY CODE, 7TH EDITION FBC-A
- FBC-M FBC MECHANICAL CODE, 7TH EDITION
- FBC ELECTRICAL CODE, NEC FBC-E FBC ENERGY CONSERVATION CODE, 7TH EDITION FBC-EC
- FBC-P FBC PLUMBING CODE, 7TH EDITION
- FBC-F FBC FUEL GAS CODE, 7TH EDITION FFPC FLORIDA FIRE PREVENTION CODE, 6TH EDITION (NFPA 101)

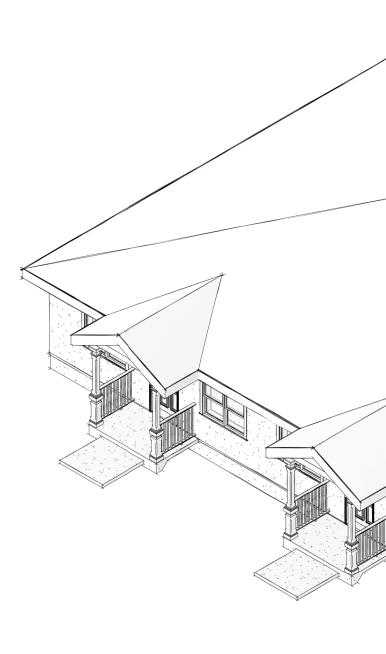
COMPLIANCE STATEMENT: REVIEW AND APPROVAL BY THE AUTHORITY HAVING JURISDICTION SHALL NOT RELIEVE THE APPLICANT OF THE RESPONSIBILITY OF COMPLIANCE WITH THESE CODES. TO THE BEST OF OUR KNOWLEDGE, THESE DOCUMENTS COMPLY WITH THE APPLICABLE MINIMUM CODES AND STANDARDS AS SET FORTH BY THE FLORIDA BUILDING CODE AND GOVERNING FLORIDA STATUTES.

ABBREVIATIONS

A /O	
A/C	AIR CONDITIONING
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE, ALTERNATIVE
ALUM	ALUMINUM
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
AV	AUDIOVISUAL
BLDG	BUILDING
BO	BOTTOM OF
CLG	CEILING
CLG HT	CEILING HEIGHT
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY
01110	
	UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUE, CONTINUOUS
CORR	CORRIDOR
DEMO	DEMOLISH
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIV	DIVISION
Е	EAST
EA	EACH
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXT	EXTERIOR
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER
	CABINET
FIN FLR	FINISHED FLOOR
FLR	FLOOR
FT	FOOT, FEET
FURN	FURNITURE
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GYP BD	GYPSUM BOARD
HC	HANDICAP
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION &
	AIR CONDITIONING
INCL	INCLUDE(D), (ING)
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
KIT	KITCHEN
LAB	LABOATORY
LAV	
1 4 1/	
	LAVATORY
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LF	

MAINT MAINTENANCE MATL MATERIAL MAX MAXIMUM MECH MECHANICAL MEZZ MEZZANINE MFG MANUFACTURING MFR MANUFACTURER MIN MINUMUM MISC MISCELLANEOUS MR MOISTURE RESISTANT MTG MOUNTING NORTH Ν NIC NOT IN CONTRACT NOM NOMINAL NTS NOT TO SCALE OC ON CENTER OPT OPTION(AL) PLAM PLASTIC LAMINATE PLF POUNDS PER LINEAR FEET PLYWD PLYWOOD PR PAIR PREFAB PREFABRICATED PREFIN PREFINISH PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH QTY QUANTITY RCP REFLECTED CEILING PLAN ROOF DRAIN RD REF REFRIGERATOR, REFERENCE REQD REQUIRED RM ROOM RO ROUGH OPENING S SOUTH SC SOLID CORE SD STORM DRAIN SECT SECTION SF SQUARE FEET SIM SIMILAR SPEC SPECIFICATION SQ SS SQUARE STAINLESS STEEL STD STANDARD STOR STORAGE SUSP SUSPENDED SYS SYSTEM TD TRAVEL DISTANCE TEL TELEPHONE TEMP TEMPORARY THRU THROUGH TO TOP OF TRTD TREATED ΤV TELEVISION TYP TYPICAL UNO UNLESS NOTED OTHERWISE VERT VERTICAL VEST VESTIBULE VIF VERIFY IN FIELD WEST, WIDE W WITH W/ W/O WITHOUT WC WATER CLOSET WD WOOD WΤ WEIGHT

Hope Hammock of Titusville - Phase 2 Titusville, Florida





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GENERAL REQUIREMENTS & SUBMITTAL PROCEEDURES

ARCHITECTURAL SPECIFICATIONS

DIMENSION PLAN

FLOOR PLAN PARTITION TYPES

REFERENCE PLAN/LIFE SAFETY PLAN

A101

A102

A201



REV REV DATE

GENERAL REQUIREMENTS

1. THE ARCHITECT HAS PREPARED THIS SET OF DOCUMENTS BASED ON VISUAL INSPECTION OF THE EXISTING PREMISES AND ON INFORMATION PROVIDED BY THE OWNER

2. IN THE EVENT OF A DISCREPANCY IN THE COMSTRUCTION DOCUMENTS. THE PREVAILING ORDER SHALL BE:

- A. CONTRACT FOR CONSTRUCTION
- B. GENERAL REQUIREMENTS
- C. SPECIAL REQUIREMENTS
- D. OWNER'S PUBLISHED DESIGN STANDARDS, IF APPLICABLE
- E. SPECIFICATIONS
- F. DETAILS ON DRAWINGS
- G. PLAN DRAWINGS

3. THE CONTRACTOR SHALL PROVIDE ALL WORK NECESSARY TO ENSURE A FUNCTIONAL FACILITY UPON COMPLETION OF THE PROJECT

4. USE FIGURED DIMENSIONS. DO NOT SCALE DRAWINGS. WHERE DIMENSIONS ARE SHOWN WITH A "±", ADJUSTMENTS MAY BE MADE TO SUIT FIELD CONDITIONS.

5. TO ESTABLISH THE COMPREHENSIVE SCOPE OF WORK AND TO ASSURE COORDINATION WITH OTHER TRADES, EACH SUBCONTRACTOR SHALL COMPLETELY REVIEW THE PLANS, NOT ONLY FOR HIS OR HER RESPECTIVE TRADE, BUT FOR THE WORK OF OTHER TRADES AS WELL. THE DOCUMENTS ARE INTERDEPENDENT. ONCE THE CONTRACTOR OR SUBCONTRACTOR HAS COMMENCED WITH HIS WORK. IT SHALL BE ASSUMED THAT HE HAS ACCEPTED THE CONDITIONS IN THE FIELD TO BE CORRECT AND RIGHT FOR THE INSTALLATION OF HIS WORK.

6. ALL SUBCONTRACTORS SHALL BE LICENSED TO OPERATE IN BREVARD COUNTY, FLORIDA.

7. OWNER SHALL RETAIN ALL SALVAGE RIGHTS UNTIL THE RIGHTS ARE RELEASED BY THE OWNER.

8. ACCURATE RECORD DOCUMENTS ARE TO BE RECORDED FOR LOCATIONS OF UNDERGROUND STRUCTURES AND UTILITIES.

9. EACH SUBCONTRACTOR SHALL CALL FOR UTILITY LOCATES OR COORDINATE DIRECTLY WITH THE GENERAL CONTRACTOR PRIOR TO ALL DIGGING OPERATIONS.

10.ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY, STATE AND LOCAL ENVIRONMENTAL LAWS AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION. PERMITS SHALL BE POSTED AT THE JOBSITE.

11. CONSTRUCTION SHALL COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.

12.NO ASBESTOS CONTAINING BUILDING MATERIALS MAY BE USED DURING CONSTRUCTION.

13.CONTRACTOR SHALL WARRANT THE PROJECT AREA FOR A TERM OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT, REGARDLESS OF PARTIAL OCCUPANCY.

14. PROVIDE PRODUCTS HAVING "ENERGY STAR" CERTIFICATIONS WHEN AVAILABLE. 15. CONTRACTOR SHALL PROVIDE A CONSTRUCTION ACCESS AND STAGING AREA PLAN

FOR OWNER'S APPROVAL. 16.THE PROJECT SHALL HAVE FULL TIME, CONSTRUCTION REPRESENTATION DURING ALL HOURS OF OPERATION. THIS REPRESENTATION CAN BE IN THE FORM OF A

17. CONTRACTOR SHALL PROVIDE A SAFETY BARRIER TO PREVENT INTERACTIONS BETWEEN THE PUBLIC AND THE JOBSITE.

18.WORKING HOURS SHALL BE COORDINATED WITH, AND APPROVED BY, THE OWNER.

19.ALTERNATES MAY BE USED AS REQUIRED BY THE SCOPE OF WORK. THESE WILL BE DETERMINED BY THE ARCHITECT AND USED UNDER THE DIRECTION OF THE OWNER'S

20.0WNER WILL REQUIRE AN OWNER DIRECT PURCHASE ORDER (ODP) PROGRAM FOR ALL MATERIAL PURCHASES OVER \$5000.00. RESULTING SALES TAX SAVINGS WILL SOLELY BENEFIT THE OWNER.

21. PROGRESS PAYMENTS ARE TO BE SUBMITTED MONTHLY.

PROJECT MANAGER OR SUPERINTENDENT.

REPRESENTATIVE.

22.A SCHEDULE OF VALUES SHALL BE SUBMITTED AND APPROVED PRIOR TO THE INITIAL PAY REQUEST.

23.A DAILY REPORT IS TO BE KEPT BY THE CONTRACTOR AND A WEEKLY REPORT IS TO BE SUBMITTED TO THE OWNER'S REPRESENTATIVE SHOWING THE CURRENT PROJECT STATUS, TWO WEEK LOOK-AHEAD, ISSUES AND PROBLEMS, PERMIT STATUS AND PERCENT COMPLETE.

24.CONTRACTOR IS TO PROVIDE A COMPLETE SUBMITTAL REQUIREMENT MATRIX FOR EACH PRODUCT LISTING ALL ANTICIPATED SUBMITTALS CROSS REFERENCED WITH THE SECTION NUMBER.

25.ALL TRAINING VIDEOS SHALL BE DIGITALLY RECORDED AND SUBMITTED TO THE OWNER.

26.COORDINATION MEETINGS SHALL HAVE AN AGENDA PREPARED BY AND MEETING MINUTES TAKEN BY THE CONTRACTOR. 27. CONTRACTOR IS TO HOLD WEEKLY COORDINATION MEETINGS, INVITING BOTH THE

OWNER'S REPRESENTATIVE AND THE ARCHITECT. 28. THE CONSTRUCTION SCHEDULE WILL BE UPDATED MONTHLY AT EACH PAY REQUEST

AND BE REVIEWED AT THAT TIME AS A CONDITION OF THE PAY APPLICATION. 29.ALL SUBSTITUTION REQUESTS FROM THE CONTRACTOR SHALL BE REVIEWED BY THE ARCHITECT AND ACCEPTED/REJECTED BY THE OWNER'S REPRESENTATIVE, BASED

ON THE ARCHITECT'S RECOMMENDATION, PRIOR TO INCORPORATION IN THE WORK. 30.FLORIDA PRODUCT APPROVAL NUMBERS SHALL BE SUBMITTED BY THE CONTRACTOR FOR BUILDING COMPONENTS SUCH AS EXTERIOR DOORS, WINDOWS, PANELS, ROOFING PRODUCTS, SHUTTERS, SKYLIGHTS, LOUVERS, AND OTHER

31. THROUGHOUT THE DURATION OF CONSTRUCTION, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ENSURE THE BUILDING REMAIN IN DRIED-IN CONDITION AND PREVENT UNLAWFUL ENTRY INTO THE CONSTRUCTION SITE.

PRODUCTS COMPRISING THE BUILDING ENVELOPE.

32.ALL PROJECT COORDINATION MEETINGS WILL HAVE AN AGENDA PREPARED BY AND MEETING MINUTES TAKEN BY THE CONTRACTOR.

33.CONTRACTOR TO PROVIDE FINAL CLEANING. THE OWNER RESERVES THE RIGHT TO PROVIDE CLEANING SERVICES WHEN CLEAN-UP HAS NOT BEENPROVIDED TO THE SATISFACTION OF THE OWNER. ASSOCIATED COSTS WILL BE DEDUCTED FROM THE CONTRACTOR'S FINAL PAYMENT.

34.THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING WITH AND COORDINATION OF MATERIALS TESTING AS PART OF QUALITY ASSURANCE. THE TESTING AGENCY IS TO COPY THE OWNER AND THE ARCHITECT ON ALL REPORTS. 35. THE CONTRACTOR IS TO PRESERVE AND PROTECT ALL EXISTING VEGETATION SUCH AS TREES, SHRUBS, AND GRASS ADJACENT TO THE SITE WORK WHICH IS NOT TO BE REMOVED AND WHICH DOES NOT INTERFERE WITH THE CONSTRUCTION WORK. THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER, SHALL REPLACE DAMAGED VEGETATION RESULTING FROM CONTRACTORS OPERATIONS WITH A COMPARABLE SPECIMEN.

36. THE CONTRACTOR'S CONSTRUCTION SCHEDULE SHALL BE IN THE FORM OF A CPM TYPE SCHEDULE USING PRIMAVERA SOFTWARE (P3 OR SURETRACK). A LINEAR BAR CHART SCHEDULE MAY BE ACCEPTABLE FOR SHORT DURATION PROJECTS AT THE OWNER'S DISCRETION.

37.ALL MATERIAL SAFETY DATA SHEETS ON ANY HAZARDOUS PRODUCT SHALL BE KEPT ON FILE AT JOBSITE, AND INCLUDED IN CLOSE-OUT DOCUMENTATION.

38. THE CONTRACTOR SHALL PROTECT UNDERGROUND AND OVERHEAD UTILITIES AT ALL TIMES. ADDITIONAL CARE SHALL BE TAKEN WHEN THE CONTRACTOR IS REQUIRED TO TIE INTO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE OWNER 72 HOURS IN ADVANCE TO SCHEDULE UTILITY CONNECTIONS. THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER, SHALL REPAIR ANY AND ALL DAMAGE TO UTILITIES RESULTING FROM CARELESS OPERATIONS.

39. CONTRACTOR IS TO PROVIDE A PROJECT CONSTRUCTION SIGN OF WATER-RESISTANT CONSTRUCTION. COPY AND DESIGN OF THE CONSTRUCTION SIGN SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE AND ARCHITECT. NO OTHER MARKETING SIGNAGE WILL BE PERMITTED.

40. FINAL SUBMITTAL SHALL INCLUDE TWO COPIES OF THE OPERATION AND MAINTENANCE DATA BINDERS FOR THE OWNER'S USE THAT NOTES CONTRACTOR LISTINGS, PRODUCTS, AND WARRANTY INFORMATION.

41.ALL SHELVING, CABINETRY AND CASEWORK SHALL HAVE 2x WOOD BLOCKING AND/OR PLYWOOD BACKER BOARD SUPPORT AS REQUIRED

42. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING LADDERS OR OTHER MEANS OF ACCESS TO THE AUTHORITY HAVING JURISDICTION (AHJ), ARCHITECT, ENGINEER, AND SBBC FOR REQUIRED OBSERVATIONS AND INSPECTIONS.

43. THE QUANTITY OF SUBMITTALS THAT WILL BE REQUIRED FOR THE PROJECT INCLUDING THE NUMBER OF SAMPLES, PRODUCT DATA AND SHOP DRAWINGS REQUIRED TO BE DETERMINED.

44.CONTRACTOR SHALL WARRANT THE PROJECT FOR A TERM OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT REGARDLESS OF PARTIAL OCCUPANCY.

45.ALL EXITS SHALL COMPLY WITH FLORIDA ACCESSIBILITY CODE FOR LEVEL ENTRY; SEE FBC, ACCESSIBILITY, SECTION 303; CHANGES IN LEVEL.

46.CONTRACTORS SHALL INCLUDE FOUR PRINTED COPIES OF THE RECORD DRAWINGS ALONG WITH ONE ELECTRONIC COPY WITH CLOSE-OUT DOCUMENTATION.

47. THE CONTRACTOR IS TO PROVIDE FINAL CLEANING. THE OWNER RESERVES THE RIGHT TO PROVIDE CLEANING SERVICES WHEN CLEAN-UP HAS NOT BEEN PROVIDED TO THE SATISFACTION OF THE OWNER. ASSOCIATED COSTS WILL BE DEDUCTED FROM THE CONTRACTOR'S FINAL PAYMENT.

48.CONSTRUCTION OF WORK INDICATED ON THE DRAWINGS AS (N.I.C.) IS NOT IN CONTRACT.

49.ALL WORK SHALL BE OF BEST PRACTICE OF EACH TRADE.

50. TERMITE TREATMENT SHALL BE COMPLETED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1816. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY.

51.WHERE GYPSUM BOARD LAYERS DIFFER BETWEEN TWO ADJOINING WALLS, MAINTAIN A CONTINUOUS FINISH OF WALL.

52.ELECTROLYTIC PROTECTION SHALL BE PROVIDED BETWEEN DISSIMILAR METALS WHENEVER THE TWO ARE IN CONTACT.

53. DETAILS NOT SHOWN ARE SIMILAR IN NATURE TO THOSE DETAILED. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT ARCHITECT BEFORE PROCEEDING WITH THE WORK TYPICAL DETAILS. APPLY AT ALL SIMILAR CONDITIONS WHETHER CROSS REFERENCED OR NOT.

54.0PEN EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALL AND ROOF, BETWEEN WALL PANELS, AT PENETRATIONS OF UTILITIES THROUGH THE BUILDING ENVELOPE SHALL BE SEALED W/ BACKER ROD IF REQUIRED, FLASHED OR WEATHER-STRIPPED AS REQUIRED FOR COMPATIBILITY WITH ADJACENT MATERIALS TO ELIMINATE AIR LEAKAGE AND WATER INFILTRATION, AND TO MEET THE REQUIREMENTS OF THE FLORIDA MODEL ENERGY CODE AS APPLICABLE.

55.A 20 YEAR "NO DOLLAR LIMIT" WARRANTY WILL BE PROVIDED FOR ALL ROOFING.

56. PROVIDE PROPER ANCHORAGE OF ESSENTIAL EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES.

57.PROVIDE PROPER ANCHORAGE OF ESSENTIAL EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES. WOOD BLOCKING IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

58. CONTRACTOR TO INCLUDE FOUR PRINTED COPIES OF THE RECORD DRAWINGS ALONG WITH ONE ELECTRONIC COPY ON CD ROM.

59. PROVIDE ACCESS PANELS FOR MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED BY APPLICABLE CODES.

60.PROVIDE AND INSTALL ALL STIFFENERS, BRACINGS, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE BEST POSSIBLE INSTALLATION AND REQUIRED MINIMUM LATERAL FORCE OF ALL TOILET/RESTROOM ACCESSORIES AND PARTITIONS AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL OR MISCELLANEOUS EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES.

61.CEILING HEIGHT DIMENSIONS ARE FROM DESIGNATED FINISHED FLOOR SURFACE TO FINISHED CEILING SURFACES UNLESS NOTED OTHERWISE.

62.GLAZING SUBJECT TO HUMAN IMPACT AS IDENTIFIED IN APPLICABLE CODES SHALL BE SAFETY GLAZING MATERIAL. EACH LIGHT OF LAMINATED OR TEMPERED GLAZING SHALL BE IDENTIFIED BY A PERMANENT LABEL, WHICH SPECIFIES THE LABELER, OR MANUFACTURER AND THAT SAFETY GLAZING MATERIAL HAS BEEN UTILIZED.

63.SEE PRE-ENGINEERED STRUCTURE SHOP DRAWINGS FOR STRUCTURAL CALCULATIONS, ROOF DETAILS, ROOF PRODUCT INFORMATION, COLUMN AND BEAM SCHEDULES AND FOUNDATION AND CONNECTION DETAILS.

64.MOUNT FIRE EXTINGUISHERS AT 4'-0" A.F.F. MEASURED TO THE CENTERLINE OF HANDLE.

65.LIGHT FIXTURE COLOR SELECTIONS SHALL BE BY THE ARCHITECT, AND EXPRESSLY RECEIVED IN WRITING FROM THE ARCHITECT. APPROVAL OF SUBMITTALS BY THE ELECTRICAL ENGINEER IS NOT AN APPROVAL OF THE LIGHT FIXTURE COLOR SELECTION.

66. THESE DRAWINGS, SPECIFICATIONS, AND ANY ADDENDA SHALL BE THE BASIS FOR THE CONTRACT FOR CONSTRUCTION BETWEEN THE GENERAL CONTRACTOR AND THE OWNER. THE RESPONSIBILITIES OF THE OWNER, ARCHITECT, AND GENERAL CONTRACTOR SHALL BE AS DESCRIBED IN AIA DOCUMENT A201-2017 - GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION.

SUBMITTAL PROCEDURES

PART 1 - GENERAL 1.1 SUMMARY

- A. THIS SECTION INCLUDES ADMINISTRATIVE AND PROCEDURAL REQUIREMENTS FOR SUBMITTING SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER MISCELLANEOUS SUBMITTALS.
- **1.2 DEFINITIONS**
- A. ACTION SUBMITTALS: WRITTEN AND GRAPHIC INFORMATION THAT REQUIRES ARCHITECT'S/ENGINEER'S RESPONSIVE ACTION.
- B. INFORMATIONAL SUBMITTALS: WRITTEN INFORMATION THAT DOES NOT REQUIRE ARCHITECT'S/ENGINEER'S APPROVAL, SUBMITTALS MAY BE REJECTED FOR NOT COMPLYING WITH REQUIREMENTS.
- 1.3 SUBMITTAL PROCEDURES
- A. GENERAL: ELECTRONIC COPIES (.PDF ONLY) OF DRAWINGS OF THE CONTRACT DRAWINGS WILL BE PROVIDED BY ARCHITECT/ENGINEER FOR CONTRACTOR'S USE IN PREPARING SUBMITTALS.
- B. CONTRACTOR SHALL SUBMIT SOFT COPIES OF PRODUCT DATA, SHOP DRAWINGS, AND PHYSICAL COPIES OF SAMPLES.
- C. ALL SUBMITTED SHOP DRAWINGS SHALL HAVE ENHANCEMENT OR ADDITIONAL DETAILS THAN THAT OF THE ARCHITECT'S/ENGINEER'S, REFLECTING TYPES OF MATERIAL ALREADY SUBMITTED FOR APPROVAL AND APPROVED BY THE ARCHITECT/ENGINEER AND REFLECTING ALL NECESSARY EQUIPMENT, IF ANY, OR ELSE THE SUBMITTED SHOP DRAWING SHALL NOT BE CONSIDERED AS COMPLETE.
- D. COORDINATION: COORDINATE PREPARATION AND PROCESSING OF SUBMITTALS WITH PERFORMANCE OF CONSTRUCTION ACTIVITIES.
- E. PROCESSING TIME: ALLOW ENOUGH TIME FOR SUBMITTAL REVIEW, INCLUDING TIME FOR RESUBMITTALS, AS FOLLOWS, TIME FOR REVIEW SHALL COMMENCE ON ARCHITECT'S/ENGINEER'S RECEIPT OF SUBMITTAL.
- a. INITIAL REVIEW: ALLOW UP TO 14 DAYS FOR INITIAL REVIEW OF EACH SUBMITTAL. ALLOW ADDITIONAL TIME IF PROCESSING MUST BE DELAYED TO PERMIT COORDINATION WITH SUBSEQUENT SUBMITTALS. ARCHITECT/ENGINEER WILL ADVISE CONTRACTOR WHEN A SUBMITTAL BEING PROCESSED MUST BE DELAYED FOR COORDINATION.
- b. CONCURRENT REVIEW: WHERE CONCURRENT REVIEW OF SUBMITTALS BY ARCHITECT'S/ENGINEER'S CONSULTANTS, OWNER, OR OTHER PARTIES IS REQUIRED, ALLOW UP TO 21 DAYS FOR INITIAL REVIEW OF EACH SUBMITTAL
- c. NO EXTENSION OF THE CONTRACT TIME WILL BE AUTHORIZED BECAUSE OF FAILURE TO TRANSMIT SUBMITTALS ENOUGH IN ADVANCE OF THE WORK TO PERMIT PROCESSING.
- F. IDENTIFICATION: PLACE A LABEL OR TITLE BLOCK ON EACH SUBMITTAL FOR IDENTIFICATION.
- a. INDICATE NAME OF FIRM OR ENTITY THAT PREPARED EACH SUBMITTAL ON LABEL OR TITLE BLOCK.
- b. PROVIDE A SPACE APPROXIMATELY 4 BY 5 INCHES (100 BY 125 MM) ON LABEL OR BESIDE TITLE BLOCK TO RECORD CONTRACTOR'S REVIEW AND APPROVAL MARKINGS AND ACTION TAKEN BY ARCHITECT/ENGINEER.
- c. INCLUDE THE FOLLOWING INFORMATION ON LABEL FOR PROCESSING AND RECORDING ACTION TAKEN: PROJECT NAME.
- DATE.
- NAME OF ARCHITECT/ENGINEER. NAME OF CONTRACTOR
- NAME OF SUBCONTRACTOR. NAME OF SUPPLIER.
- NAME OF MANUFACTURER
- UNIQUE IDENTIFIER, INCLUDING REVISION NUMBER. NUMBER AND TITLE OF APPROPRIATE SPECIFICATION SECTION.
- DRAWING NUMBER AND DETAIL REFERENCES, AS APPROPRIATE.
- G. DEVIATIONS: HIGHLIGHT, ENCIRCLE, OR OTHERWISE IDENTIFY DEVIATIONS FROM THE CONTRACT DOCUMENTS ON SUBMITTALS.
- H. TRANSMITTAL: ARCHITECT/ENGINEER WILL RETURN SUBMITTALS, WITHOUT REVIEW, RECEIVED FROM SOURCES OTHER THAN CONTRACTOR.
- a. ON AN ATTACHED SEPARATE SHEET, PREPARED ON CONTRACTOR'S LETTERHEAD, RECORD RELEVANT INFORMATION, REQUESTS FOR DATA, REVISIONS OTHER THAN THOSE REQUESTED BY ARCHITECT/ENGINEER ON PREVIOUS SUBMITTALS, AND DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS, INCLUDING MINOR VARIATIONS AND LIMITATIONS. INCLUDE THE SAME LABEL INFORMATION AS THE RELATED SUBMITTAL.
- b. INCLUDE CONTRACTOR'S CERTIFICATION STATING THAT INFORMATION SUBMITTED COMPLIES WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- I. DISTRIBUTION: FURNISH COPIES OF FINAL SUBMITTALS TO MANUFACTURERS, SUBCONTRACTORS, SUPPLIERS, FABRICATORS, INSTALLERS, AUTHORITIES HAVING JURISDICTION, AND OTHERS AS NECESSARY FOR PERFORMANCE OF CONSTRUCTION ACTIVITIES.
- J. USE FOR CONSTRUCTION: USE ONLY FINAL SUBMITTALS WITH MARK INDICATING ACTION TAKEN BY ARCHITECT/ENGINEER IN CONNECTION WITH CONSTRUCTION.

PART 2 - PRODUCTS 2.1 ACTION SUBMITTALS

- A. GENERAL: PREPARE AND SUBMIT ACTION SUBMITTALS REQUIRED BY CONTRACT DOCUMENTS.
- B. NUMBER OF COPIES: SUBMIT COPIES OF EACH SUBMITTAL, AS FOLLOWS, UNLESS OTHERWISE INDICATED:
- a. INITIAL SUBMITTAL: SUBMIT A PRELIMINARY SINGLE COPY OF EACH SUBMITTAL WHERE SELECTION OF OPTIONS, COLOR, PATTERN, TEXTURE, OR SIMILAR CHARACTERISTICS IS REQUIRED. ARCHITECT/ENGINEER, WILL RETURN SUBMITTAL WITH OPTIONS SELECTED.
- b. FINAL SUBMITTAL: SUBMIT THREE COPIES, UNLESS COPIES ARE REQUIRED FOR OPERATION AND MAINTENANCE MANUALS. SUBMIT FIVE COPIES WHERE COPIES ARE REQUIRED FOR OPERATION AND MAINTENANCE MANUALS. ARCHITECT/ENGINEER WILL RETAIN TWO COPIES; DIVISION 01 GENERAL REQUIREMENTS TENDER DOCUMENTS-SPECIFICATIONS REMAINDER WILL BE RETURNED. MARK UP AND RETAIN ONE RETURNED COPY AS A PROJECT RECORD DOCUMENT.
- C. PRODUCT DATA: COLLECT INFORMATION INTO A SINGLE SUBMITTAL FOR EACH ELEMENT OF CONSTRUCTION AND TYPE OF PRODUCT OR EQUIPMENT.
- D. IF INFORMATION MUST BE SPECIALLY PREPARED FOR SUBMITTAL BECAUSE STANDARD PRINTED DATA ARE NOT SUITABLE FOR USE, SUBMIT AS SHOP DRAWINGS, NOT AS PRODUCT DATA.
- E. MARK EACH COPY OF EACH SUBMITTAL TO SHOW WHICH PRODUCTS AND OPTIONS ARE APPLICABLE
- F. INCLUDE THE FOLLOWING INFORMATION, AS APPLICABLE: a. MANUFACTURER'S WRITTEN RECOMMENDATIONS.
- b. MANUFACTURER'S PRODUCT SPECIFICATIONS. c. MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- d. STANDARD COLOR CHARTS.
- e. MANUFACTURER'S CATALOG CUTS.
- f. WIRING DIAGRAMS SHOWING FACTORY-INSTALLED WIRING. q. PRINTED PERFORMANCE CURVES.
- h. OPERATIONAL RANGE DIAGRAMS.
- i. MILL REPORTS. STANDARD PRODUCT OPERATING AND MAINTENANCE MANUALS.
- k. COMPLIANCE WITH RECOGNIZED TRADE ASSOCIATION STANDARDS.

- G. SHOP DRAWINGS: PREPARE PROJECT-SPECIFIC INFORMATION, DRAWN ACCURATELY TO SCALE. DO NOT BASE SHOP DRAWINGS ON REPRODUCTIONS OF THE CONTRACT DOCUMENTS OR STANDARD PRINTED DATA.
- H. SAMPLES: PREPARE PHYSICAL UNITS OF MATERIALS OR PRODUCTS, INCLUDING THE FOLLOWING:
- a. SAMPLES FOR INITIAL SELECTION: SUBMIT MANUFACTURER'S COLOR CHARTS CONSISTING OF UNITS OR SECTIONS OF UNITS SHOWING THE FULL RANGE OF COLORS, TEXTURES, AND PATTERNS AVAILABLE.
- b. SAMPLES FOR VERIFICATION: SUBMIT FULL-SIZE UNITS OR SAMPLES OF SIZE INDICATED, PREPARED FROM THE SAME MATERIAL TO BE USED FOR THE WORK, CURED AND FINISHED IN MANNER SPECIFIED, AND PHYSICALLY IDENTICAL WITH THE PRODUCT PROPOSED FOR USE, AND THAT SHOW FULL RANGE OF COLOR AND TEXTURE VARIATIONS EXPECTED. SAMPLES INCLUDE. BUT ARE NOT LIMITED TO, THE FOLLOWING: PARTIAL SECTIONS OF MANUFACTURED OR FABRICATED COMPONENTS: SMALL CUTS OR CONTAINERS OF MATERIALS; COMPLETE UNITS OF REPETITIVELY USED MATERIALS; SWATCHES SHOWING COLOR, TEXTURE, AND PATTERN; COLOR RANGE SETS: AND COMPONENTS USED FOR INDEPENDENT TESTING AND INSPECTION
- . PREPARATION: MOUNT, DISPLAY, OR PACKAGE SAMPLES IN MANNER SPECIFIED TO FACILITATE REVIEW OF QUALITIES INDICATED. PREPARE SAMPLES TO MATCH ARCHITECT'S/ENGINEER'S SAMPLE WHERE SO INDICATED. ATTACH LABEL ON UNEXPOSED SIDE THAT INCLUDES THE FOLLOWING:
- GENERIC DESCRIPTION OF SAMPLE. PRODUCT NAME OR NAME OF MANUFACTURER. SAMPLE SOURCE.
- d. ADDITIONAL INFORMATION: ON AN ATTACHED SEPARATE SHEET, PREPARED ON CONTRACTOR'S LETTERHEAD, PROVIDE THE FOLLOWING, AS APPLICABLE:
- SIZE LIMITATIONS. COMPLIANCE WITH RECOGNIZED STANDARDS. AVAILABILITY
- DELIVERY TIME
- e. SUBMIT SAMPLES FOR REVIEW OF KIND, COLOR, PATTERN, AND TEXTURE FOR A FINAL CHECK OF THESE CHARACTERISTICS WITH OTHER ELEMENTS AND FOR A COMPARISON OF THESE CHARACTERISTICS BETWEEN FINAL SUBMITTAL AND ACTUAL COMPONENT AS DELIVERED AND INSTALLED.
- NUMBER OF SAMPLES FOR INITIAL SELECTION: SUBMIT ONE FULL SET OF AVAILABLE CHOICES WHERE COLOR, PATTERN, TEXTURE, OR SIMILAR CHARACTERISTICS ARE REQUIRED TO BE SELECTED FROM MANUFACTURER'S PRODUCT LINE. ARCHITECT/ENGINEER WILL RETURN SUBMITTAL WITH OPTIONS SELECTED.
- g. DISPOSITION: MAINTAIN SETS OF APPROVED SAMPLES AT PROJECT SITE, AVAILABLE FOR QUALITY- CONTROL COMPARISONS THROUGHOUT THE COURSE OF CONSTRUCTION ACTIVITY. SAMPLE SETS MAY BE USED TO DETERMINE FINAL ACCEPTANCE OF CONSTRUCTION ASSOCIATED WITH EACH SFT
- 2.2 INFORMATIONAL SUBMITTALS
- A. GENERAL: PREPARE AND SUBMIT INFORMATIONAL SUBMITTALS REQUIRED BY OTHER SPECIFICATION SECTIONS.
- a. CERTIFICATES AND CERTIFICATIONS: PROVIDE A NOTARIZED STATEMENT THAT INCLUDES SIGNATURE OF ENTITY RESPONSIBLE FOR PREPARING CERTIFICATION. CERTIFICATES AND CERTIFICATIONS SHALL BE SIGNED BY AN OFFICER OR OTHER INDIVIDUAL AUTHORIZED TO SIGN DOCUMENTS ON BEHALF OF THAT ENTITY.
- b. TEST AND INSPECTION REPORTS: COMPLY WITH REQUIREMENTS IN CONTRACT DOCUMENTS.
- B. CONTRACTOR'S CONSTRUCTION SCHEDULE.
- C. MATERIAL TEST REPORTS: PREPARE REPORTS WRITTEN BY A QUALIFIED TESTING AGENCY, ON TESTING AGENCY'S STANDARD FORM, INDICATING AND INTERPRETING TEST RESULTS OF MATERIAL FOR COMPLIANCE WITH REQUIREMENTS.
- D. MAINTENANCE DATA: PREPARE WRITTEN AND GRAPHIC INSTRUCTIONS AND PROCEDURES FOR OPERATION AND NORMAL MAINTENANCE OF PRODUCTS AND EQUIPMENT. COMPLY WITH GENERAL REQUIREMENTS.
- E. MANUFACTURER'S INSTRUCTIONS: PREPARE WRITTEN OR PUBLISHED INFORMATION THAT DOCUMENTS MANUFACTURER'S RECOMMENDATIONS, GUIDELINES, AND PROCEDURES FOR INSTALLING OR OPERATING A PRODUCT OR EQUIPMENT. INCLUDE NAME OF PRODUCT AND NAME, ADDRESS, AND TELEPHONE NUMBER OF MANUFACTURER. INCLUDE THE FOLLOWING, AS APPLICABLE:
- a. PREPARATION OF SUBSTRATES.

INSTALLATION OF PRODUCT.

REQUIREMENTS.

AFFECT WARRANTY.

b. UPDATED CASHFLOW.

f. VARIATION ORDERS.

g. PAYMENT CERTIFICATES.

c. SUBMITTALS LOG.

e. DAILY REPORTS.

DATE OF REPORT PREPARATION.

h. LIST OF PROBLEMS FACED ON SITE.

d. CONSTRUCTION PROGRESS PHOTOGRAPHS.

b. NOTATION OF COORDINATION REQUIREMENTS.

WAS TAKEN.

b. RECOMMENDATIONS FOR CLEANING AND PROTECTION.

SERVICE REPRESENTATIVE MAKING REPORT.

MANUFACTURER'S FIELD REPORTS: PREPARE WRITTEN INFORMATION DOCUMENTING FACTORY-AUTHORIZED SERVICE REPRESENTATIVE'S TESTS AND INSPECTIONS. INCLUDE THE FOLLOWING, AS APPLICABLE:

a. NAME, ADDRESS, AND TELEPHONE NUMBER OF FACTORY-AUTHORIZED

b. STATEMENT ON CONDITION OF SUBSTRATES AND THEIR ACCEPTABILITY FOR

c. STATEMENT THAT PRODUCTS AT PROJECT SITE COMPLY WITH

d. SUMMARY OF INSTALLATION PROCEDURES BEING FOLLOWED, WHETHER THEY COMPLY WITH REQUIREMENTS AND, IF NOT, WHAT CORRECTIVE ACTION

e. RESULTS OF OPERATIONAL AND OTHER TESTS AND A STATEMENT OF WHETHER OBSERVED PERFORMANCE COMPLIES WITH REQUIREMENTS. f. STATEMENT WHETHER CONDITIONS, PRODUCTS, AND INSTALLATION WILL

G. INSURANCE CERTIFICATES AND BONDS: PREPARE WRITTEN INFORMATION INDICATING CURRENT STATUS OF INSURANCE OR BONDING COVERAGE. INCLUDE NAME OF ENTITY COVERED BY INSURANCE OR BOND, LIMITS OF COVERAGE, AMOUNTS OF DEDUCTIBLES, IF ANY, AND TERM OF THE COVERAGE.

H. MONTHLY PROGRESS REPORT: REPORT SHALL INCLUDE THE FOLLOWING: a. SCHEDULE OF PLANNING WITH UPDATES AND CURRENT SITUATION AT THE

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I. COMPLIANCE WITH RECOGNIZED TESTING AGENCY STANDARDS.

a. APPLICATION OF TESTING AGENCY LABELS AND SEALS.

PART 3 - EXECUTION

3.1 CONTRACTOR'S REVIEW

A. REVIEW EACH SUBMITTAL AND CHECK FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. NOTE CORRECTIONS AND FIELD DIMENSIONS. MARK WITH APPROVAL STAMP BEFORE SUBMITTING TO ARCHITECT/ENGINEER.

APPROVAL STAMP: STAMP EACH SUBMITTAL WITH A UNIFORM. APPROVAL STAMP. INCLUDE PROJECT NAME AND LOCATION, SUBMITTAL NUMBER, SPECIFICATION SECTION TITLE AND NUMBER, NAME OF REVIEWER, DATE OF CONTRACTOR'S APPROVAL, AND STATEMENT CERTIFYING THAT SUBMITTAL HAS BEEN REVIEWED. CHECKED, AND APPROVED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

3.2 ARCHITECT'S/ENGINEER'S ACTION

- A. GENERAL: ARCHITECT/ENGINEER WILL NOT REVIEW SUBMITTALS THAT DO NOT BEAR CONTRACTOR'S APPROVAL STAMP AND WILL RETURN THEM WITHOUT ACTION.
- B. ACTION SUBMITTALS: ARCHITECT/ENGINEER WILL REVIEW EACH SUBMITTAL, MAKE MARKS TO INDICATE CORRECTIONS OR MODIFICATIONS REQUIRED, AND RETURN IT. ARCHITECT/ENGINEER WILL ATTACH A COVER LETTER TO EACH SUBMITTAL INDICATING AN ACTION TO BE TAKEN, AS FOLLOWS:
- a. APPROVED. b. APPROVED AS NOTED
- c. REVISE RESUBMIT
- d. REJECTED RESUBMIT.
- C. INFORMATIONAL SUBMITTALS: ARCHITECT/ENGINEER WILL REVIEW EACH SUBMITTAL AND WILL NOT RETURN IT, OR WILL REJECT AND RETURN IT IF IT DOES NOT COMPLY WITH REQUIREMENTS, ARCHITECT/ENGINEER WILL FORWARD EACH SUBMITTAL TO APPROPRIATE PARTY.
- D. SUBMITTALS NOT REQUIRED BY THE CONTRACT DOCUMENTS WILL NOT BE REVIEWED AND MAY BE DISCARDED.

SUBMITTAL REQUIREMENTS

SECTION ITEM

	1: GENERAL
01 33 00	SUBMITTAL PROCEDURES
06 15 10	6: WOOD, PLASTICS, AND COMPOSITES CEDAR DECKING
06 15 10	
06 82 00	
	7: THERMAL AND MOISTURE PROTECTION
07 13 13	BITUMINOUS SHEET WATERPROOFING
07 31 13	ASPHALT SHINGLES ROOFING
07 62 00	SHEET METAL FLASHING AND TRIM
07 63 1	GUTTERS AND DOWNSPOUTS
07 71 00	ROOF SPECIALTIES
07 72 00	ROOF ACCESSORIES
07 92 00	JOINT SEALANTS
	8: DOORS AND WINDOWS
08 14 39	PRE-FINISHED WOOD DOORS & FRAMES
08 16 13	
08 34 30	BIFOLD DOORS
08 53 13	VINYL WINDOWS
08 71 00	DOOR HARDWARE
08 71 10	DOOR HARDWARE SCHEDULE
08 80 00	GLAZING
DIVISION	<u>9: FINISHES</u>
09 29 00	
09 30 13	
	0 MARBLE TILE/WINDOW SILL
09 30 50	TILE SETTING MATERIALS AND SUPPLIES
	RESILIENT BASE & ACCESSORIES
09 90 00	
	PAINT SCHEDULE
	10: SPECIALTIES
10 28 00	TOILET BATH ACCESSORIES
	FIRE EXTINGUISHERS
	12: FURNISHINGS
12 35 30	
12 36 61	
<u>DIVISION</u> 31 31 16	31: EARTHWORK TERMITE CONTROL
212110	

SEE OTHER DISCIPLINES FOR ADDITIONAL REQUIRED SUBMITTALS

Tsark Architecture, LLC

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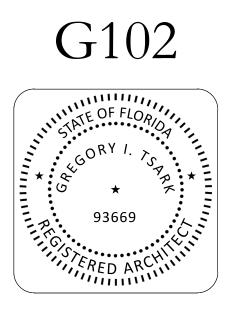
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Description	Date

GENERAL REQUIREMENTS & SUBMITTAL PROCEEDURES

DATE:	12/20/2023
DRAWN BY:	KDB
REVISION:	
SCALE	



DIVISION 3 - CONCRETE

FOUNDATION (SEE STRUCTURAL) DRAWINGS):

A. ALL NOTES, DETAILS, ELEVATIONS, AND SECTIONS SHOWN ON THE DRAWINGS ARE TO BE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN .

B. CONFIRM ALL HORIZONTAL DIMENSIONS WITH OTHER PLANS AND IN FIELD PRIOR TO FABRICATION/CONSTRUCTION

CONCRETE SPLASH BLOCKS

A. PROVIDE PRE-MANUFACTURERED SPLASH BLOCK OF A SIZE AS APPROVED BY THE ARCHITECT OR OWNER

B. MECHANICALLY POLISHED CONCRETE: POLISHED CONCRETE SPECIFICATION

PART I - GENERAL

1.01 SUMMARY, THIS SPECIFICATION INCLUDES THE FOLLOWING: INTERIOR CONCRETE JOINT FILLER, LIQUID DENSIFIER / SEALER AND POLISHING PROCESS

A. GENERAL: DO NOT COMMENCE INSTALLATION OF SEMI-RIGID POLYUREA JOINT FILLER, LIQUID DENSIFIER / SEALER AND POLISHING PROCESSES UNTIL THE BUILDING IS COMPLETELY ENCLOSED, PERMANENT POWER AND LIGHTING IS OPERATING AND THE BUILDING IS THERMOSTATICALLY CONTROLLED. INSTALLATION OF THESE MATERIALS SHALL COMMENCE APROXIMATELY TWO WEEKS PRIOR TO "FIXTURE DATE."

PART II - EXECUTION

2.01 JOINT FILLER INSTALLATION: COMPLY WITH ACI 302 AS APPLICABLE TO MATERIALS, APPLICATIONS, AND CONDITIONS.

A. SURFACE CLEANING OF JOINTS: CLEAN JOINTS IMMEDIATELY BEFORE INSTALLING JOINT FILLER. REMOVE FOREIGN MATERIAL THAT COULD INTERFERE WITH ADHESION OF JOINT FILLER BY BRUSHING, GRINDING, BLAST CLEANING, MECHANICAL ABRADING, OR A COMBINATION OF THESE METHODS TO PRODUCE A CLEAN. SOUND SUBSTRATE CAPABLE OF DEVELOPING OPTIMUM BOND WITH JOINT FILLER. REMOVE LOOSE PARTICLES REMAINING FROM ABOVE CLEANING OPERATIONS BY VACUUMING OR BLOWING OUT JOINTS WITH OIL-FREE COMPRESSED AIR. ALSO REMOVE ALL LAITENCE AND FORM-RELEASE AGENTS FROM CONCRETE SURFACE, CLEAN NONPOROUS SURFACES WITH CHEMICAL CLEANERS OR OTHER MEANS THAT DO NOT STAIN, HARM SUBSTRATES, OR LEAVE RESIDUES COULD INTERFERE WITH ADHESION OF JOINT SEALANTS. ALL SURFACES TO BE FILLED SHALL BE CLEAN AND DRY.

B. MIXING: JOINT FILLER IS A TWO-PART PRODUCT REQUIRING MACHINE MIXING AND PLACING.PREMIX PART "B" SEPARATELY BEFORE USING. FOLLOW PUMP MANUFACT URER'S EQUIPMENT INSTRUCTIONS.

C. PLACEMENT: FOR PROPER LOAD TRANSFER, JOINTS MUST BE FILLED FULL DEPTH, BUT IN NO CASE SHOULD THE JOINT FILLER BE ANY LESS THAN 1" DEEP IN THE JOINT. NO BACKER ROD IS ALLOWED. JOINTS SHOULD BE OVERFILLED AND SHAVED LEVEL WITH THE SURFACE, GIVING THE FLOOR JOINTS A FLAT, SMOOTH APPEARANCE.

D. JOINT FILLER SEPARATION: THE APPROVED JOINT FILLING APPLICATOR SHALL INCLUDE IN THEIR BID A COST PER LINEAR FOOT TO MAKE ONE RETURN TRIP TO REFILL JOINTS IF JOINT FILLER SIDEWALL SEPARATION OR SPLITTING EXCEEDS 1/16," OR IF SURFACE PROFILE IS CONCAVE, CHATTERED OR IF VOIDS OCCUR. THIS SHALL TAKE PLACE ONE WEEK PRIOR TO GRAND OPENING, OR AT OWNER'S REQUEST.

2.02 INITIAL CLEANING FOR LIQUID DENSIFIER AND SEALER APPLICATION: THOROUGHLY CLEAN THE INTERIOR SALES FLOOR SLAB PRIOR TO THE INITIAL APPLICATION OF LIQUID DENSIFIER/SEALER AND POLISHING PROCESS. COMPLETELY REMOVE THE REMNANTS OF THE DISSIPATING OR REMOVABLE CURING COMPOUND FROM THE FLOOR SURFACE. THE FOLLOWING FLOOR STRIPPER OR REMOVAL SOLUTION SHALL BE APPLIED TO THE FLOOR AT THE PROPER RATIO TO THOROUGHLY STRIP, CLEAN AND REMOVE ALL CURING COMPOUND RESIDUE:

I. KUREZ DR VOX (SLAB FIRST): EUCLID "EUCO CLEAN & STRIP" 1. KUREZ RC (SLAB LAST): EUCLID "KUREZ OFF"

2.03 POLISHING PROCESS AND APPLICATION OF LIQUID DENSIFIER / SEALER: PRIOR TO APPLICATION, INSPECT INTERIOR SALES FLOOR SLAB TO ENSURE THAT SLAB IS CLEAN AND FREE OF DUST, GREASE, OILS, OR OTHER CONTAMINANTS THAT MIGHT PROHIBIT THE PROPER APPLICATION AND PENETRATION OF THE LIQUID DENSIFIER AND SEALER.

1. THE FOLLOWING PROCESS IS PROVIDED AS A GUIDE. MANY FACTORS, INCLUDING, BUT NOT LIMITED TO INTERIOR FLOOR SLAB FINISH, HARDNESS AND FLATNESS WILL DETERMINE THE INITIAL DIAMOND TOOLING, INCLUDING ADDITIONAL GRINDING AND/OR POLISHING OPERATIONS REQUIRED TO MEET THE REQUIREMENTS SPECIFIED HEREIN. THE APPROVED APPLICATOR SHALL PROVIDE A TEST POLISH, INCLUDING APPLICATION OF LIQUID DENSIFIER/SEALER TO A DESIGNATED AREA OF THE INTERIOR FLOOR SLAB, USING THE SAME FOUIPMENT TOOLS AND METHODS AS WILL BE USED TO POLISH THE INTERIOR FLOOR SLAB. FLOOR POLISHING AND APPLICATION OF LIQUID DENSIFIER/SEALER SHALL NOT COMMENCE UNTIL GENERAL CONTRACTOR HAS ACCEPTED THE POLISHED INTERIOR FLOOR TEST SLAB.

A. STEP ONE: USING EQUIPMENT WITH SUFFICIENT HEAD PRESSURE (≥ 150 PSI), THOROUGHLY CLEAN THEN GRIND CONCRETE FLOOR WITH A COMBO SET OF 60 GRIT RESIN BOND DIAMONDS AND 100 GRIT RESIN BOND DIAMONDS (NOT PADS). EACH PASS MUST OVERLAP 50% OF THE PREVIOUS PASS. GRIND THE CONCRETE FLOOR AT A RATE TO ALLOW FOR AN EVEN SCRATCH PATTERN. CLEAN FLOOR THOROUGHLY AFTER THIS PASS.

B. STEP TWO: APPLY EUCLID DIAMOND HARD LIQUID DENSIFIER / SEALER AT 225 SQUARE FEET PER GALLON.

C. STEP THREE: USING EQUIPMENT WITH SUFFICIENT HEAD PRESSURE (≥ 150 PSI) POLISH CONCRETE FLOOR WITH A COMBO SET OF 100 GRIT RESIN BOND DIAMONDS AND 200 GRIT RESIN BOND DIAMONDS (NOT PADS). EACH PASS MUST OVERLAP 50% OF THE PREVIOUS PASS. POLISH THE CONCRETE FLOOR AT A RATE TO ALLOW FOR AN EVEN SCRATCH PATTERN. CLEAN FLOOR THOROUGHLY AFTER THIS PASS.

D. STEP FOUR: USING EQUIPMENT WITH SUFFICIENT HEAD PRESSURE (≥ 150 PSI) POLISH CONCRETE FLOOR WITH 400 GRIT RESIN BOND DIAMONDS (NOT PADS). EACH PASS MUST OVERLAP 50% OF THE PREVIOUS PASS. POLISH THE CONCRETE FLOOR AT A RATE TO ALLOW FOR AN EVEN SCRATCH PATTERN. CLEAN FLOOR THOROUGHLY AFTER THIS PASS.

E. STEP FIVE: APPLY EUCLID DIAMOND HARD LIQUID DENSIFIER / SEALER AT 700 SQUARE FEET PER GALLON

F. STEP SIX: BURNISH / POLISH CONCRETE FLOOR WITH 800 GRIT DIAMOND IMPREGNATED PADS

G. STEP SEVEN: BURNISH / POLISH CONCRETE FLOOR WITH 1500 GRIT DIAMOND IMPREGNATED PADS.

1. POLISH RESULTS: PERFORM POLISHING PROCESS TO REACH A SPECIFIED OVERALL GLOSS VALUE (SOGV) OF ≥35 AS MEASURED WITH A HORIBA IG-320, AND A SPECIFIED MINIMUM GLOSS READING (SMGV) OF 30. THE APPROVED APPLICATOR SHALL TAKE FOUR GLOSS MEASUREMENT READINGS AT 90° FROM EACH OTHER, AND THEN AVERAGED FOR ONE READING AT EACH LOCATION, A MINIMUM OF 25 READINGS SHALL BE TAKEN THROUGHOUT THE INTERIOR SALES FLOOR. THE OVERALL MEASUREMENT SHALL BE REPORTED TO GENERAL CONTRACTOR WITHIN 24 HOURS OF THE POLISHING PROCESS. GLOSS SHALL BE CONSIDERED A QUANTITATIVE VALUE THAT EXPRESSES THE DEGREE OF REFLECTION WHEN LIGHT HITS THE CONCRETE FLOOR SURFACE. GLOSS MEASUREMENTS WILL BE TAKEN INDEPENDENT OF AMBIENT LIGHTING AND WILL BE TAKEN WITHIN A SEALED MEASUREMENT WINDOW LOCATED BENEATH THE TEST UNIT.

DIVISION 6 - WOOD AND CABINETRY

WOOD BLOCKING

A. BLOCKING SHALL BE 2X (OR AS NOTED) AND PRESERVATIVE TREATED WHEN IN CONTACT WITH MASONRY OR EXPOSED TO WEATHER. PRESERVATION TREATMENT SHALL CONFORM TO REQUIREMENTS OF AWPA, STANDARD U1 AND M4 FOR THE SPECIES PRODUCT END USE AND PRESERVATIVE TYPE.

B. ROOF EDGE BLOCKING: ALL BLOCKING FOR ROOF EDGES SHALL BE FRT AND ANCHORED PER FBC (LATEST EDITION) - TEST STANDARDS AND RAS-111.

INTERIOR WOOD TRIM:

A. FINISH WOOD DOOR, WINDOW AND WALL BASE TRIM MATERIALS SHALL BE PAINT GRADE COMPOSITE WOOD OR PVC.

GUTTERS AND DOWNSPOUTS

A GUTTERS TO BE MADE OF .040 ALUMINUM OR THICKER AS RECOMMENDED BY THE MANUFACTURER FOR THE USE AND LOCATION AND MOUNTED ON SURFACE OF EAVE OF BUILDING WHERE INDICATED ON THE DRAWINGS, SECURELY ANCHORED AND SEALED TO THE SUBSTRATE TO PREVENT LEAKAGE AND DAMAGE DUE TO WIND. ATTACHMENT SHALL MEET THE REQUIREMENTS OF LOCAL APPLICABLE BUILDING CODES.

B. DOWNSPOUTS TO BE SQUARE (4"X4" UNLESS NOTED OTHERWISE), MADE OF .040 ALUMINUM (KYNAR FINISH) AND MOUNTED BRACKETS AND STRAP OF THE SAME MATERIALS SECURELY ATTACHED TO THE BUILDING TO MEET THE REQUIREMENTS OF LOCAL APPLICABLE BUILDING CODES. FASTENERS SHALL BE OF A NON-CORROSIVE TYPE COMPATIBLE WITH THE MATERIALS.

C. PRIOR TO FABRICATION. THE CONTRACTOR FOR THIS WORK SHALL VISIT THE PROJECT TO OBSERVE THE STATUS OF CONSTRUCTION AND THE CONDITION OF THE SUBSTRATE.

1. THE CONTRACTOR FOR THIS WORK SHALL BE RESPONSIBLE FOR OBTAINING DIMENSIONS FOR FABRICATION OF THE MATERIALS.

2. ONCE FABRICATION AND INSTALLATION COMMENCES, IT WILL BE UNDERSTOOD THAT THE INSTALLER FOR THIS WORK ACCEPTS THE CONDITION OF THE SUBSTRATE TO RECEIVE THE SPECIFIED MATERIALS.

DIVISION 7- THERMAL AND MOISTURE PROTECTION

SEALANTS

A. EXTERIOR "GENERAL" SEALANTS SHALL BE A URETHANE PRODUCT (EQUAL TO SONNERBORN NP-1) TEST SAMPLE AREA TO ASSURE COMPATIBLE WITH ADJACENT MATERIALS AND PAINTABLE

B. REFER TO MANUFACTURED SYSTEMS FOR SEALANT TYPE RECOMMENDED BY MANUFACTURER

C. MISCELLANEOUS MATERIALS SHALL INCLUDE BACKER RODS FOR A WEATHER TIGHT SYSTEM.

D. SEE DIVSION 9 FOR INTERIOR SEALANT (CAULK). ATTIC INSULATION:

A. FURNISH AND INSTALL OWENS CORNING BLOWN-IN "PINK" FIBERGLASS INSULATION OF A UNIFORM THICKNESS TO ACHIEVE R-30 (MIN.) IN ATTIC ABOVE THE GYPSUM BOARD CEILING, CONTINUOUS OVER AIR-CONDITIONED SPACES.

RIGID WALL INSULATION:

A. FURNISH & INSTALL NOMINAL 1 1/2" THICK CLOSED CELL FOAM INSULATION BOARD TIGHT AND CONTINUIOUS ON INSIDE OF EXTERIOR WALLS FURRED SPACE USING METAL 'Z' FURRING FOR ATTACHMENT, FILL VOIDS WITH FOAM INSULATION ROOF SHINGLES:

A. BASIS OF DESIGN IS THE CERTAINTEED "LANDMARK PREMIUM" PRODUCT WITH

A 50 YEAR PRODUCT WARRANTY AND HAS A 130 MPH WIND RATING. B. SHINGLES SHALL BE INSTALLED OVER WATER MEMBRANE UNDERLAYMENT OF 60 MIL (MIN.) PEEL-N-STICK PROPERLY LAPPED SHALL BE INSTALLED OVER A BASE SHEET UNDERLAYMENT. PRODUCT BASIS IS THE POLYGLASS POLYSTICK IR-XE

FASCIA AND SOFFITS:

A. PREFABRICATED ALUMINUM MATERIAL WITH BAKED ENAMEL PAINT FINISH SOFFIT SHALL BE CONTINUOUSLY PERFORATED FOR VENTILATION, ATTACH PER MFG TO MEET CODES. ALUMINUM FASCIA SHALL WRAP THE 2 X SUBFASCIA BOARD .

DAMPPROOFING:

A. FURNISH AND INSTALL A BITUMINOUS COMPOUND TO EXTERIOR SIDE OF EXTERIOR MASONRY WALLS IN CONTINUOUS SMOOTH COATING FROM TOP OF TIE-BEAM TO FOOTING AND AROUND ALL OPENINGS PRIOR TO INSTALLING FURRING AND RIGID INSULATION.

FLASHING:

A. METAL FLASHINGS: FURNISH AND INSTALL 0.0400"ALUMINUM OR 22 GAGE STAINLESS STEEL FLASHING MATERIALS WHERE NOTED OR DETAILED OR REQUIRED TO PROVIDE LEAK-FREE TRANSITION OF MATERIALS.

B. FLASHING GAGE AND ATTACHMENT SHALL COMPLY WITH FBC (LATEST EDITION) TEST PROTOCOL MANUAL (RAS-111).

ARCHITECTURAL SPECIFICATIONS

DIVISION 8 - DOORS AND WINDOWS

EXTERIOR FIBERGLASS DOORS:

A. BASIS OF DESIGN ARE PRODUCTS BY BELLVILLE ® OR APPROVED EQUAL B. PROVIDE 6-PANEL INSULATED, HURRICANE RATED, FIBERGLASS DOORS.

C. PRIME DOORS FOR FIELD PAINT.

D. MANUFACTURER OF THE DOOR-FRAME UNIT SHALL SUBMIT TEST DATA WHICH MEETS THE CURRENT REQUIREMENTS OF THE LATEST BUILDING CODE FOR WIND PRESSURES AND WIND-BORNE DEBRIS

E. ANCHOR DOOR FRAME TO MASONRY IN ACCORDANCE WITH THE MFG RECOMMENDATIONS & TESTS TO MEET CODES.

F. PROVIDE WEATHER STRIPPING AT EXTERIOR DOORS.

G. DOORS TO BE PRE-HUNG ON WOOD FRAMES

MASONITE ® INTERIOR DOORS:

A. BASIS OF DESIGN IS MASONITE ® 6-PANEL OR EQUAL

B. DOORS SHALL BE 1-3/4" THICK WITH MEDIUM STILE

C. PRIME DOORS FOR FIELD PAINT.

FINISH DOOR HARDWARE:

D. DOORS TO BE PRE-HUNG ON WOOD FRAMES

A. EXTERIOR DOORS: PROVIDE COMMERCIAL GRADE PRODUCTS AS IDENTIFIED ON THE PLANS AND IN THE DOOR HARDWARE SCHEDULE.

B. INTERIOR DOORS: PROVIDE COMMERCIAL GRADE PRODUCTS AS IDENTIFIED ON THE PLANS AND IN THE DOOR HARDWARE SCHEDULE.

WINDOWS: A. BASIS OF DESIGN IS PGT ® - SH5500

B. FRAMES TO BE WINDGUARD ® VINYL, WHITE

C. GLASS TO BE CLEAR, HURRICANE RATED, HIGH PERFORMANCE LOW E COATING, NO GRID FEATURES AND STANDARD 1816 CHARCOAL SCREEN

D. MANUFACTURER OF THE WINDOW UNIT SHALL SUBMIT TEST DATA WHICH MEETS THE CURRENT REQUIREMENTS OF THE LATEST BUILDING CODE FOR WIND PRESSURES AND WIND-BORNE DEBRIS.

DIVISION 9 - FINISHES

INTERIOR FRAME WALLS:

A. PRODUCTS FOR NON-LOAD BEARING PARTITION WALLS SHALL BE NO. 2 SOUTHERN YELLOW PINE.

B. FURNISH AND INSTALL NEW NOMINAL 4" OR 6" WOOD STUDS TO PRESSURE TREATED BASE PLATE AND DOUBLE CAP PLATE AT 16" ON CENTER (UNLESS NOTED OTHERWISE).

C. FURNISH AND INSTALL 5/8" THICK STANDARD, MOISTURE RESISTANT, FIRE RATED (TYPE 'X') OR ABUSIVE RESISTANT GYPSUM WALLBOARD AND ACCESSORIES AS DETAILED AND REQUIRED TO PROVIDE A COMPLETED WORK PRODUCT INCLUDING CORNER BEADS, 'J' BEAD EDGES, ETC.

D. TAPE AND MUD TO RECEIVE A SPRAYED ON ORANGE PEEL TEXTURE (OR OTHER TEXTURE AS AGREED BY THE ARCHITECT). FOR PAINTED WALLS/CEILINGS

ACOUSTICAL INSULATION:

A. PROVIDE A MINERAL WOOL PRODUCT TO COMPLY WITH ASTM, AND AS INDICATED IN PARTITION TYPE DETAILS. INSTALL WITHIN CAVITY OF 3-1/2" (MIN.) THICKNESS BY WIDTH TO FILL STUDS/JOISTS.

DRYWALL CEILING:

A. INSTALL 5/8" THICK GYPSUM BOARD CEILING ON TRUSS FRAMING PER USG REQUIREMENTS.

B. TAPE, MUD AND FINISH WITH TEXTURE ACCEPTABLE.

SOLID SURFACE (WHERE INDICATED):

A. MATERIAL: SOLID ACRYLIC PLASTIC AND RESINS, I.E., CORIAN, FORMSTONE OR SOLID POLYESTER COMPOSITION, I.E., AVONITE, SURELL

B. PROVIDE SOLID SURFACE COUNTERTOPS WITH BACKSPLASH AND WITH OR WITHOUT INTEGRAL SINK BOWLS WHERE IDENTIFIED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

C. COLOR AND BOWL STYLE PER THE OWNER. PREP VANITIES TO RECEIVE FAUCETS, FITTINGS & ACCESSORIES. TOPS SHALL BE SECURED TO THE BASE STRUCTURE.

PVC WALL BASE:

A. MANUFACTURERS: PROVIDE 3 1/4" PVC BASE AS PRODUCED BY A SINGLE MANUFACTURER, INCLUDING RECOMMENDED PRIMERS, ADHESIVES, AND PAINTS. BASIS OF DESIGN: ROYAL BUILDING PRODUCTS 5523 WHITE COLONIAL BASE MOULDING. USE MDF BASE AS ADD ALTERNATE.

C. ADHESIVES (CEMENTS): WATERPROOF, STABILIZED TYPE TO SUIT MATERIAL AND SUBSTRATE CONDITIONS. BASIS OF DESIGN: LIQUID NAIL

D. INSTALLATION: CLEAN ALL SURFACES AND FILL SMALL CRACKS, HOLES, AND DEPRESSIONS IN WALLS.

2. ADHERE TO WALL SUBSTRATES USING FULL SPREAD OF ADHESIVE APPLIED.

STUCCO:

A. PROVIDE A 3-COAT STUCCO FINISH TO THE NEW EXTERIOR MASONRY WALLS WHICH ARE A PART OF THIS WORK. PRODUCTS AND INSTALLATION SHALL COMPLY WITH ASTM.

B. PROVIDE NEW PVC ACCESSORIES AT LOCATION CORNERS, CONTROL JOINTS AND REVEALS.

CERAMIC TILE:

A. FLOOR TILE SHALL BE A 10"X14" DAL PORCELAIN TILE PRODUCT. INSTALL ON CONCRETE OR MUD BED PER TCA STANDARDS. PROVIDE EPOXY GROUT AT TOILET ROOMS.

CAULKING:

A. PROVIDE NEW LATEX BASED, LOW VOC, CAULKING AT JOINTS BETWEEN CHANGES IN MATERIALS (I.E. WALLS AT DOORS, WINDOWS AND FRAMES. BUILT-IN CABINETS, ETC).

DIVISION 9 - FINISHES CONT.

PAINTING:

A. BASIS OF DESIGN FOR ALL PAINT PRODUCTS ARE THOSE PRODUCED BY VALSPAR FOR EXTERIOR AND BEHR FOR INTERIOR OR EQUAL.

B. PROVIDE 2 COATS OF PREMIUM PAINT ON PRIMER/SEALER AT ALL WALLS, DOORS, TRIM AND SURFACE WHICH ARE NOT FACTORY FINISHED. COLOR AND SHEEN SHALL BE PER OWNER'S SELECTION.

C. EXTERIOR PAINT

1. PRIMER COATS: MASONRY/CONCRETE/STUCCO: VALSPAR INTERIOR/EXTERIOR BONDING WATERBASE PRIMER

2. FINISH COATS:

FIBERGLASS DOORS/MASONRY/CONCRETE/STUCCO: TWO COATS OF PRO INDUSTRIALSEMI-GLOSS EXTERIOR LATEX COATING (APPLY AT 5-7 MILS WET).

D. INTERIOR PAINT

1. PRIMER COATS:

DRYWALL: BEHR DRYWALL PLUS PRIMER & SEALER NO. 73 2. FINISH COATS:

DRYWALL/DOORS/BASE/TRIM: BEHR INTERIOR SEMI GLOSS ENAMEL PAINT NO. 3050

E. PREPARATION FOR ALL PAINTED SURFACES SHALL BE PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

H. NEW INTERIOR DRYWALL SHALL BE PRIMED BEFORE RECEIVING TWO FINISH COATS OF PREMIUM ACRYLIC SEMI-GLOSS WALL PAINT.

G. NEW INTERIOR DOOR FRAMES SHALL RECEIVE TWO COATS OF WATER BASED ENAMEL PAINT OVER MANUFACTURE APPLIED PRIMER.

DIVISION 10 - SPECIALTIES

TOILET ACCESSORIES:

BASIS OF DESIGN SHALL BE AS INDICATED ON PLANS. SEE ACCESSORIES SCHEDULE ON SHEET A701. ALL ACCESSORIES TO BE CONTRACTOR PROVIDED AND INSTALLED.

FIRE EXTINGUISHERS:

A. PROVIDE THE FOLLOWING NEW EXTINGUISHERS, BRACKETS THROUGHOUT PROJECT WHERE IDENTIFIED ON THE LIFE SAFETY PLAN.

MULTI-PURPOSE USE, CLASS A, B, AND C FIRES.

DIVISION 11 - EQUIPMENT

KITCHEN EQUIPMENT

A. NEW EQUIPMENT IS CONTRACTOR PURCHASED AND INSTALLED.

DIVISION 12 - FURNISHINGS

CABINETRY:

A. PRODUCTS SHALL BE AWI QUALITY AND NON-FACE FRAME AS MANUFACTURED BY A COMPANY WITH 5 YEARS MINIMUM EXPERIENCE AT FABRICATION OF SAME PRODUCTS.

B. PRODUCTS SHALL BE:

1. 5 PIECE MITERED FOR EXPOSED TO VIEW DOORS AND CASES BALANCED ON INTERIOR WITH NATURAL FINISH.

2. COUNTERTOP SHALL BE ACRYLIC SOLID SURFACE, CORIAN OR EQUAL

C. EXPOSED EDGES SHALL BE A MINIMUM 3MM EDGE BANDING WITH EASED EDGES AND COLOR TO MATCH THE NATURAL LOOK.

D. BASE SHALL BE FRAMELESS

E. BACK SHALL BE 1/4" THICK PLYWOOD PRE-FINISHED WITH NATURAL LOOK.

F. HARDWARE TO INCLUDE:

1. BLUM, SOFT CLOSE, 6-WAY ADJUSTABLE .095" THICK STEEL WITH DULL CHROME.

2. SHELF SUPPORT OF SELF LOCKING NYLON DESIGNED FOR INSTALLATION INTO PRE-DRILLED HOLES WITHIN CABINET INTERIOR.

3. PULLS AT 3" LONG X 1/4" DIAMETER ALUMINUM WITH BRUSHED NICKLE FINISH TO MATCH HINGES.

4. DRAWER GLIDES TO BE UNDEMOUNT TYPE FOR REGULAR DRAWERS WHICH SHALL BE SELF-CLOSING FROM A FOUR (4) INCH EXTENSION.

6. EACH GUIDE SHALL HAVE A MINIMUM LOAD CAPACITY OF ONE HUNDRED (100) LBS. AND BE OF ZINC COATED COLD ROLLED STEEL.

G. PROVIDE 2-BY BACKING FOR MISC. DETAILS (SEE DRAWINGS) AND BACK BLOCKING IN WALLS FOR WALL HUNG ITEMS; I.E. CABINETRY, PLUMBING, TOILET ACCESSORIES, FIXTURES, GRAB BARS, ETC.

DIVISION 32 - EXTERIOR IMPROVEMENTS

SOIL POISONING

A. FURNISH & INSTALL CHEMICAL POISONING OF SOIL FOR SUBTERRANEAN TERMITES BENEATH CONCRETE SLABS AND PADS OF BUILDING A DIRECTLY ADJACENT THERETO, IN ACCORDANCE WITH FLORIDA BUILDING CODE .

B. UTILITIES: SEE CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.

LANDSCAPE:

A. IF PLANS DO NOT INCLUDE SUFFICIENT DETAILS CONTRACTOR SHALL PROVIDE TREES. SHRUBS AND SEEDING AND/OR SOD IN KEEPING WITH THE PLANS AND THE LOCAL ORDINANCES.

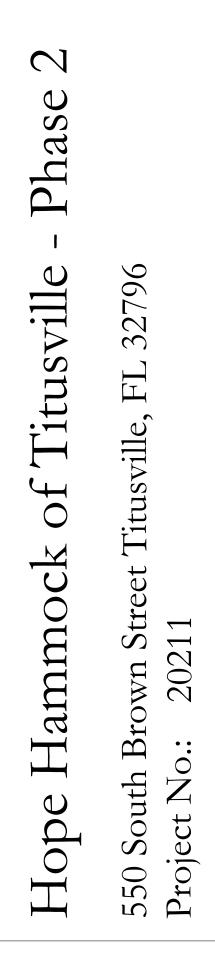
B BASIS OF DESIGN SHALL BE J.L. INDUSTRIES MODEL NO J-2#5 FOR

C. NEW BRACKETS SHALL BE A STRAP HELD LEDGER TYPE HANGER.

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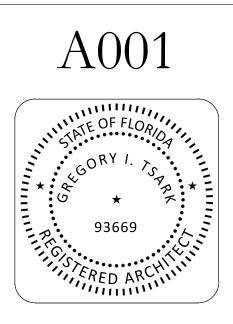
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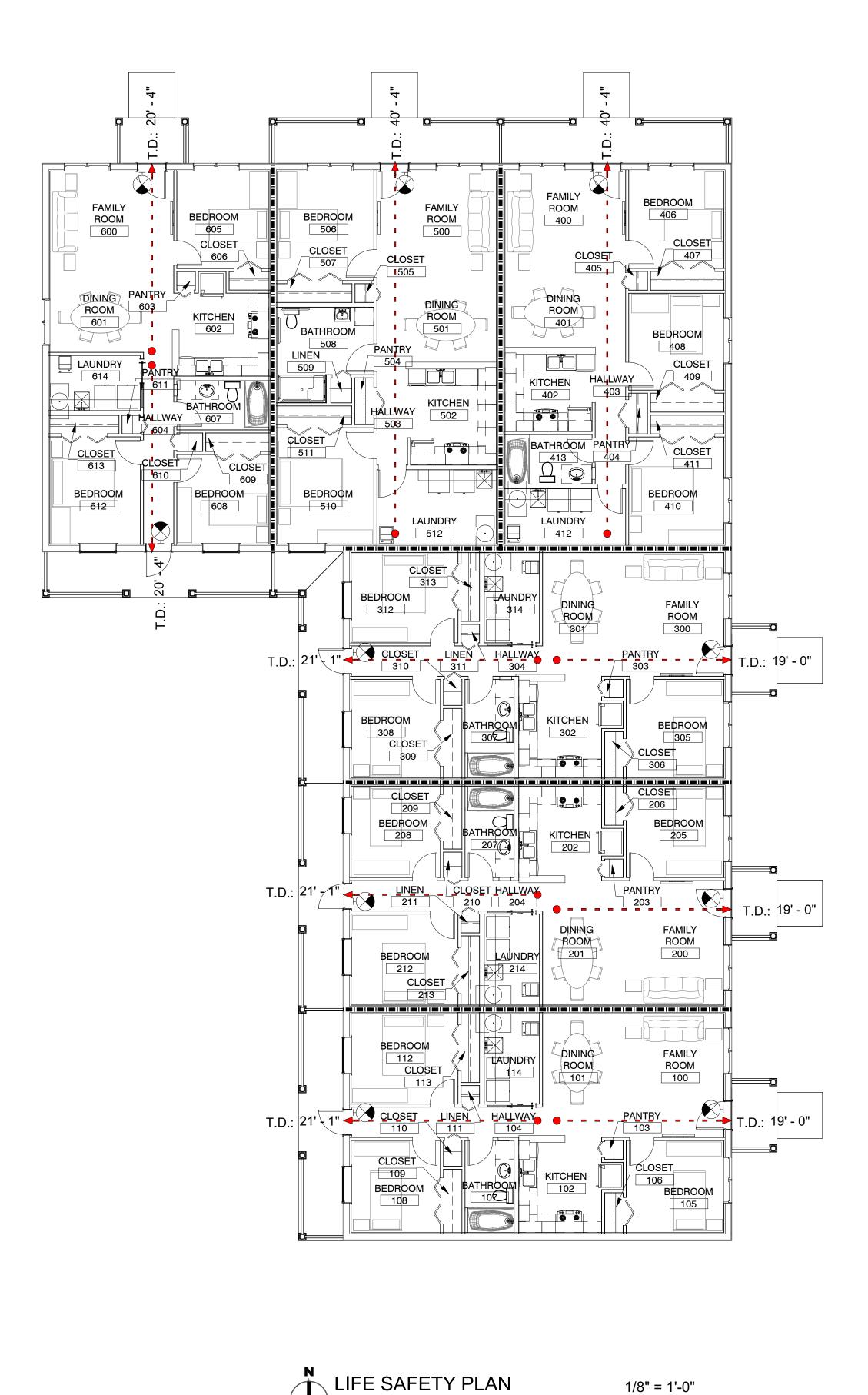


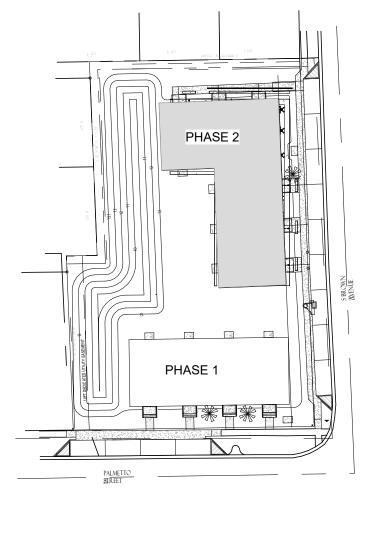
Description	Date		

ARCHITECTURAL **SPECIFICATIONS**

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	







KEY PLAN PHASE 2

	TY NOTES				
		FOR REVIEW PURPOSES ONLY. SE TED PARTITION TYPES.	E FLOOR		
2. CONSTRUCT FIRE- ABOVE.	RATED WALLS TIC	GHT AGAINST THE FLOOR OR ROC	DF DECK		
3. ALL RATED ASSEM CONSTRUCTION.	BLIES SHALL BE N	IAINTAINED THROUGHOUT ALL S	TAGES OF	TS/	R
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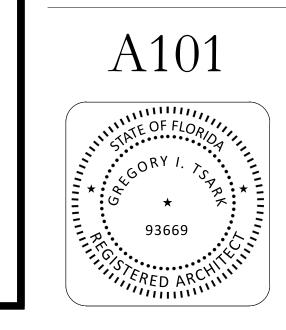
BATHROOM SINK

BATH TUB/SHOWER

Description	Date

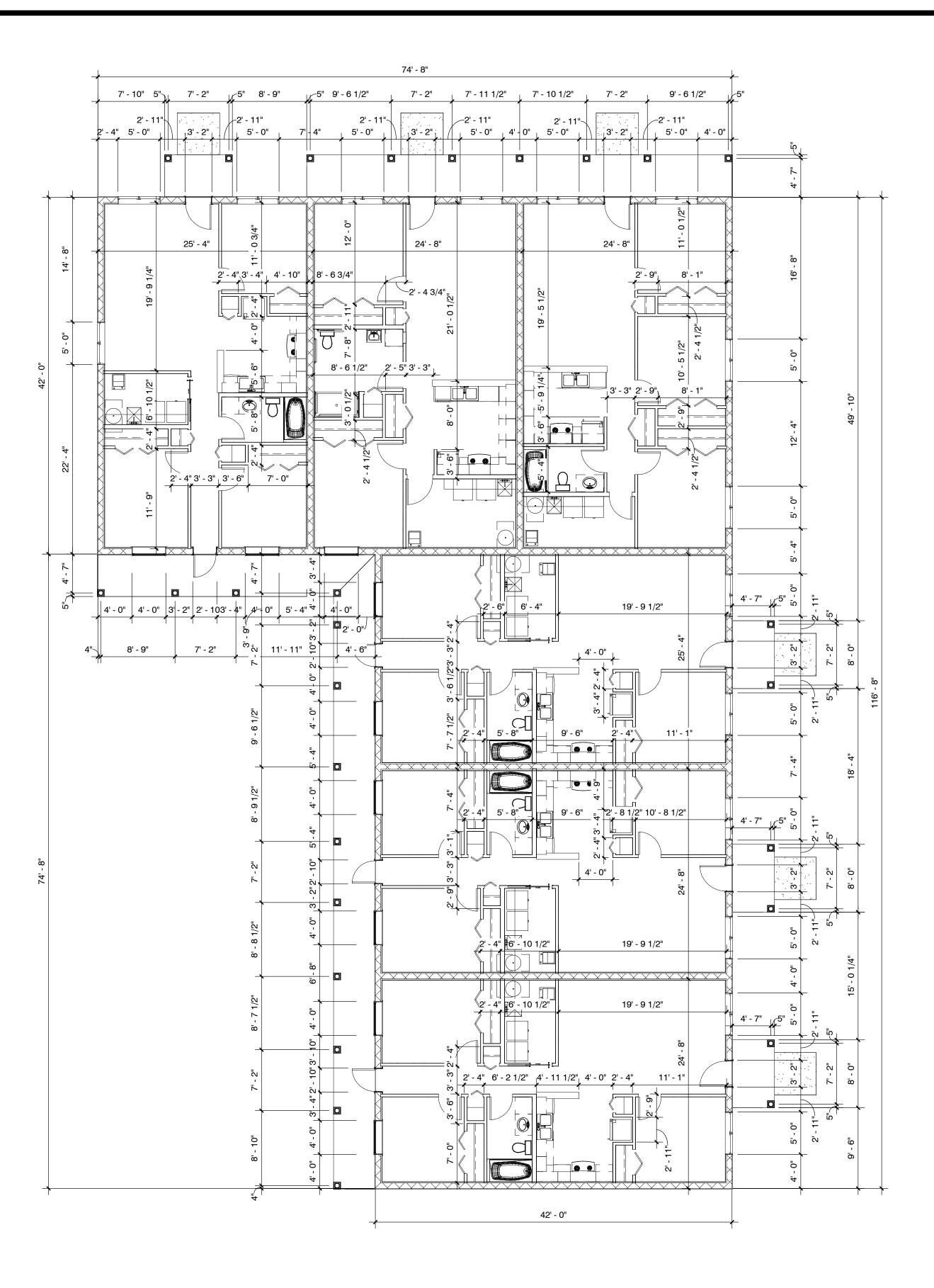
REFERENCE PLAN/LIFE SAFETY PLAN

12/20/2023
CW
As indicated



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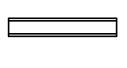
DIMENSION PLAN PHASE 2 1/8" = 1'-0"

LAYOUT NOTES

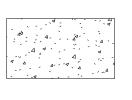
- 1. SHOULD CONDITIONS OR DIMENSIONS VARY FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT BEFORE PROCEEDING. USE FIGURED DIMENSIONS. DO NOT SCALE DRAWINGS. WHERE DIMENSIONS ARE SHOWN WITH A "±", ADJUSTMENTS MAY BE MADE TO SUIT FIELDCONDITIONS.
- 2. VERIFY DIMENSIONS IN FIELD BEFORE PROCEEDING WITH WORK. NOTIFY ARCHITECT OF DISCREPANCIES, CONFLICTS, AND MODIFICATIONS.
- 3. ALL DIMENSIONS FOR DRYWALL PARTITIONS ARE TO FACE OF GYPSUM BOARD OR CEMENT BOARD, UNLESS NOTED OTHERWISE.
- 4. ALL DIMENSIONS FOR CONCRETE MASONRY UNIT CONSTRUCTION ARE NOMINAL AND ARE TO FACE OF C.M.U., UNLESS NOTED OTHERWISE.
- 5. ALL DIMENSIONS FOR OPENINGS ARE NOMINAL. COORDINATE ACTUAL DIMENSIONS WITH OPENING SIZES AND DETAILS.
- 6. LOCATE DOORS 4" FROM BACK OF FRAME TO END OF PARTITION IN WHICH DOOR IS INCORPORATED, UNLESS NOTED OTHERWISE.
- WHERE DIFFERENT PARTITION TYPES OF VARYING WIDTHS EXIST ADJACENT TO ONE ANOTHER, THE FRAMING SHALL ACCOMMODATE A SMOOTH AND CONTINUOUS SURFACE ACROSS PARTITION TYPES.

LEGEND

NEW CONSTRUCTION - MASONRY



NEW CONSTRUCTION - METAL STUD



CONCRETE WALKWAYS

EDGE OF OVERHEAD CONSTRUCTION

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MANEUVERING CLEARANCES AT DOORS AND TOILET ROOM FIXTURES



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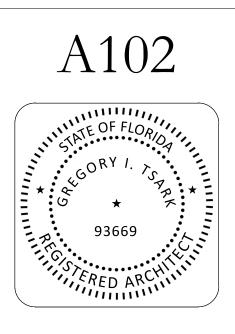
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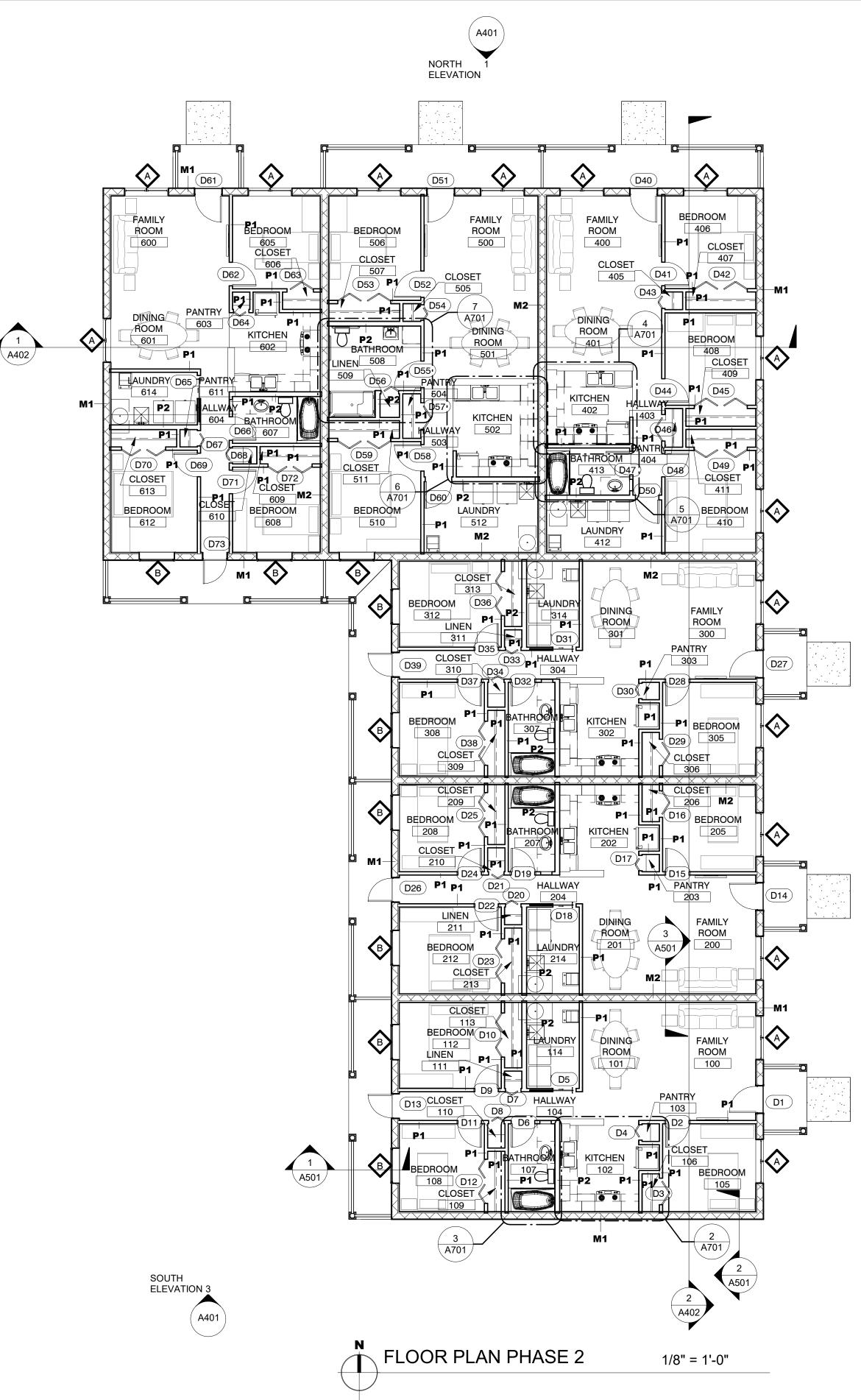
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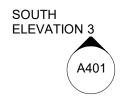
DIMENSION PLAN

12/20/2023
CW
1/8" = 1'-0"





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GENERAL NOTES

- 1. MOUNT FIRE EXTINGUISHER CABINETS AT 4'-0" A.F.F. MEASURED TO CENTERLINE OF CABINET HANDLE.
- 2. PROVIDE BLOCKING IN PARTITIONS FOR ALL WALL-MOUNTED EQUIPMENT
- LOOSE FURNITURE IS SHOWN FOR ILLUSTRATIVE PURPOSES AND IS NOT IN CONTRACT FOR CONSTRUCTION.
- 4. DO NOT SCALE DRAWINGS; WHERE DIMENSIONS ARE UNCLEAR, REQUEST CLARIFICATION FROM ARCHITECT.
- 5. LIMITS OF EXISTING CONSTRUCTION ARE SHOWN FOR REFERENCE ONLY. SCOPE OF WORK MAY INCLUDE PARTS OF EXISTING AREA FOR PURPOSES OF ACCESS AND CONNECTION OF NEW CONSTRUCTION.

LEGEND

NEW CONSTRUCTION - MASONRY

NEW CONSTRUCTION - WOOD STUD

4 . 4 . 4

CONCRETE WALKWAYS

EDGE OF OVERHEAD CONSTRUCTION

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MANEUVERING CLEARANCES AT DOORS AND TOILET ROOM FIXTURES



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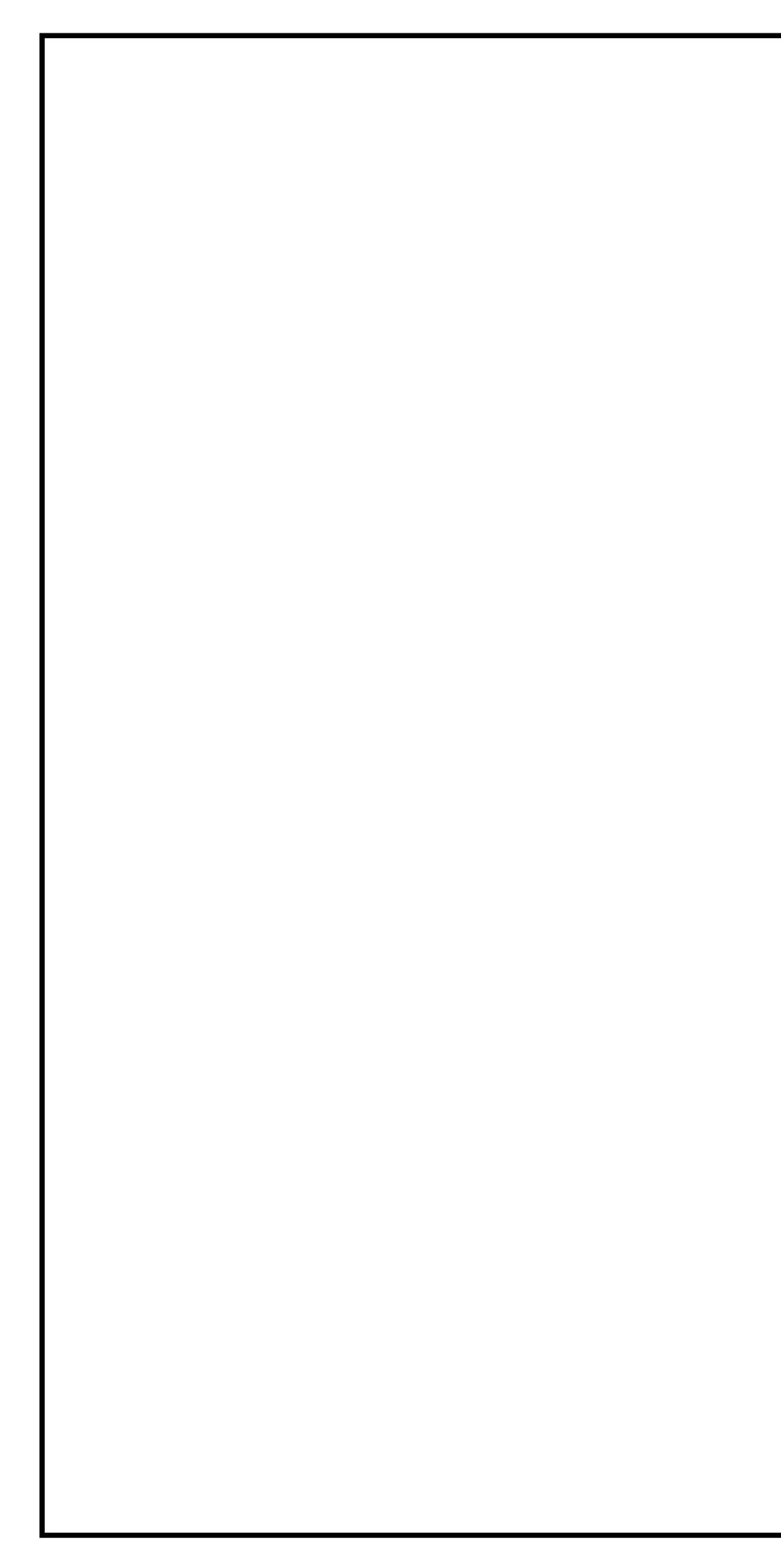
> \sim U Phas(2796 C 11 \mathcal{O} tus Γ ΓŢ Titusville, H Ч \bigcirc mock eet $\overline{}$ - \sim 550 South Brown S Project No.: 2021 Ham Hope

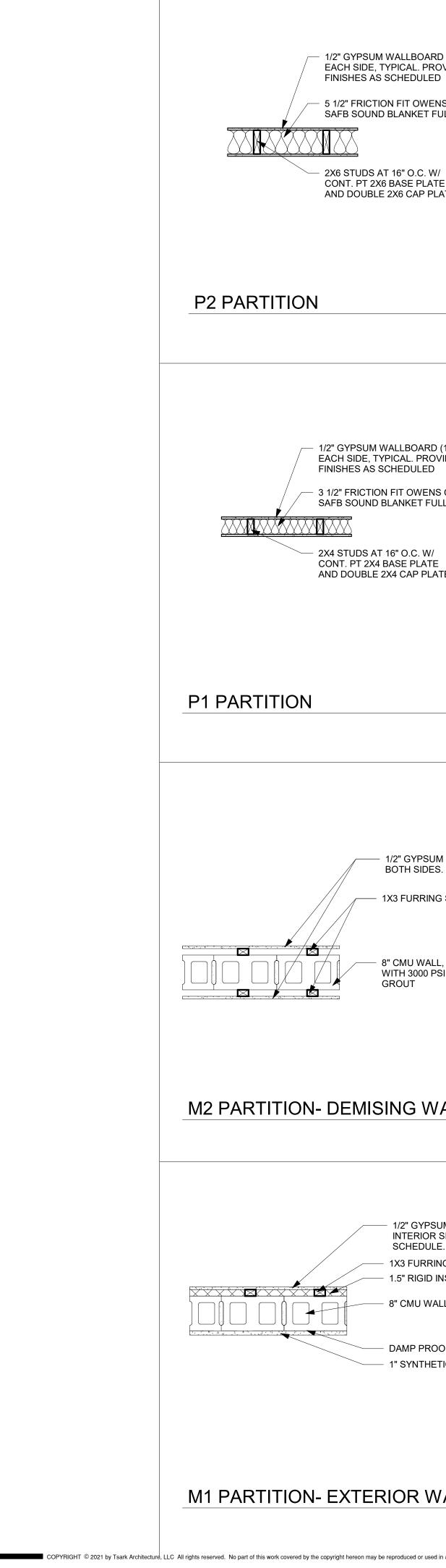
Description	Date

FLOOR PLAN

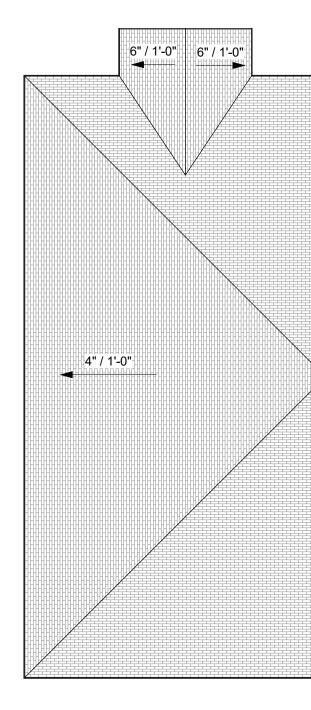
12/20/2023
C)M/
CW
1/8" = 1'-0"

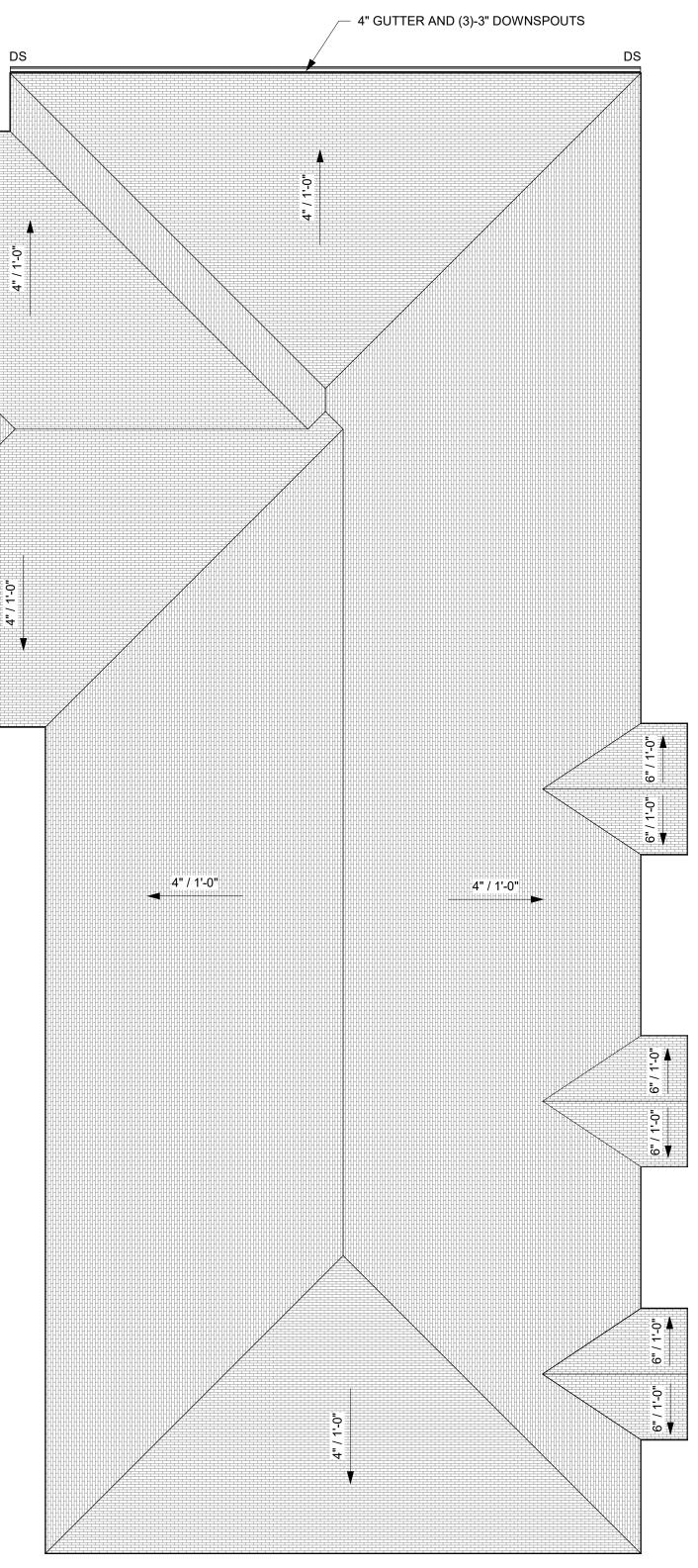






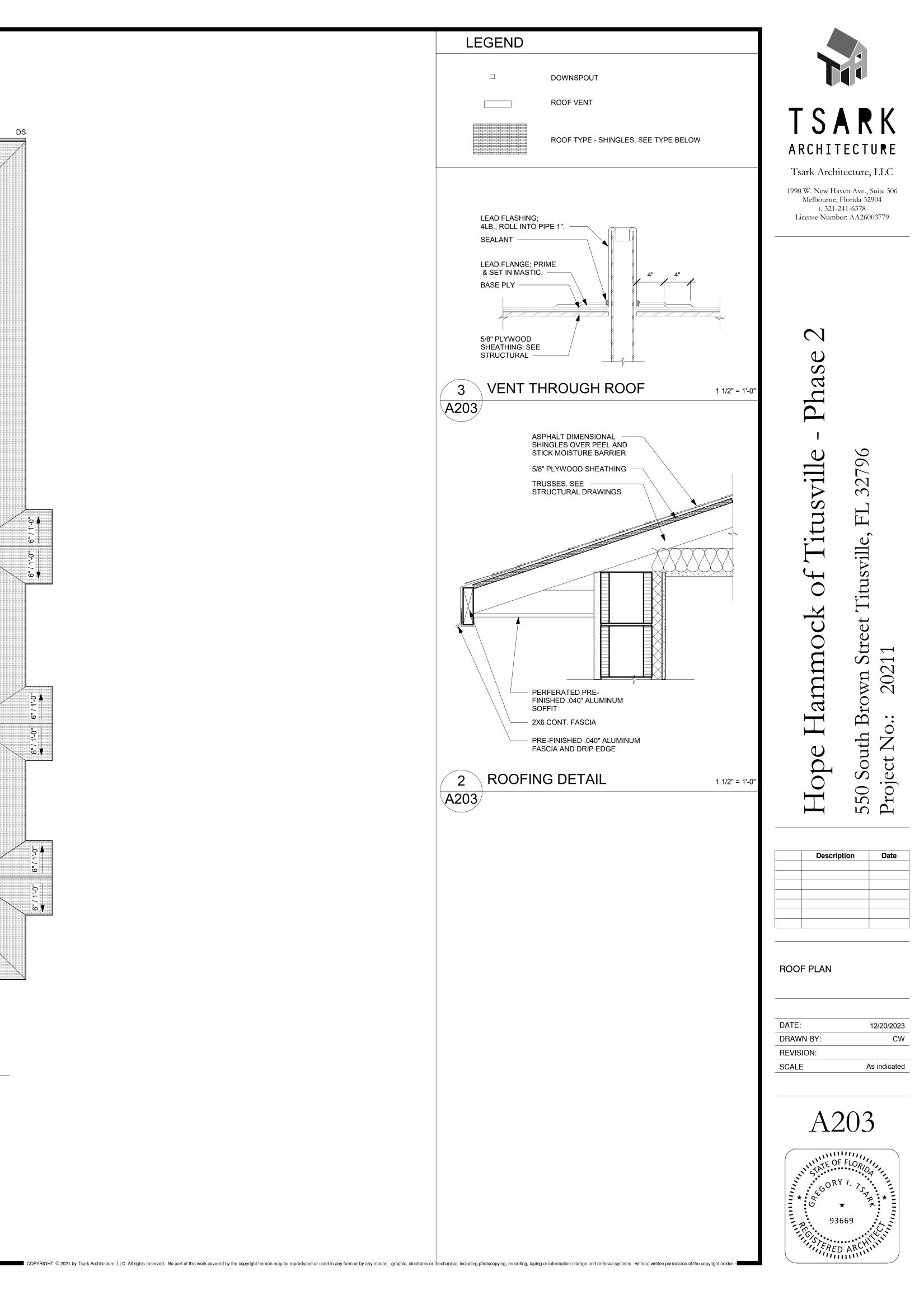
	PARTITION TYPE NOTES	
	1. ALL PARTITIONS IN DAMP/WET LOCATIONS TO RECEIVE MOISTURE RESISTANT GYPSUM WALL BOARD. MOISTURE RESISTANT GYP. BOARD TO 48" A.F.F. IN KITCHENS BEHIND CABINETRY AND FOR ALL PARTITIONS FLOOR TO CEILING IN RESTROOMS AND NON-CONDITIONED SPACES	
ARD (1)-LAYER PROVIDE WALL LED	2. PARTITIONS IN WET LOCATIONS, SHOWERS, MOP SINKS, ETC. AND ALL WALL SURFACES RECIEVING CERAMIC WALL TILE SHALL HAVE CEMENTITIOUS BACKER	TSARK
/ENS CORNING T FULL HEIGHT	 UNITS IN LIEU OF GYPSUM WALL BOARD, PROPERLY SEALED, READY FOR FINISHES. 3. PROVIDE FIRE TREATED WOOD BLOCKING AND FIRE TREATED PLYWOOD BACKER BOARD AT ALL SHELVING, CASEWORK AND ACCESSORY LOCATIONS.14 GA. GALV. SHEET METAL MAY BE USED IN LIEU OF WOOD BLOCKING. 	ARCHITECTURE
	4. WALLS OF DIFFERENT WIDTHS THAT ALIGN SHALL REMAIN FLUSH TO ONE ANOTHER	Tsark Architecture, LLC
W/ ATE PLATE	 PERMANENTLY IDENTIFY WITH 3" RED STENCILING IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, AT 12 FOOT INTERVALS, THE PHRASE "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". 	1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779
	6. ALL PERIMETER EXTERIOR MASONRY WALLS SHALL RECIEVE CORE-FILL 500 FOAM INSULATION BY TAILORED CHEMICAL PRODUCTS, INC. OR EQUAL	
	7. PAINTED MASONRY TO CONSIST OF BLOCK FILLER, PRIMER, AND FINISH COAT. DESIGN NO. U419	
	* NONBEARING WALL RATINGS 1, 2, 3 OR 4 HR	
3/4" = 1'-0"	 FLOOR AND CEILING RUNNERS (NOT SHOWN) CHANNEL SHAPED, FABRICATED FROM MINIMUM 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH TO ACCOMMODATE STUD SIZE, WITH MIN 1-1/4 IN. LONG LEGS, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAXIMUM. STEEL STUDS CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION- 	\sim
	PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT AND INSTALLED WITH A 1/2 IN. GAP BETWEEN THE END OF THE STUD AND TRACK AT THE BOTTOM OF THE WALL. FOR DIRECT ATTACHMENT OF GYPSUM BOARD ONLY.	lase
RD (1)-LAYER ROVIDE WALL ED	4. BATTS AND BLANKETS- PLACED IN STUD CAVITIES, ANY GLASS FIBER OR MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE.	
ENS CORNING FULL HEIGHT	5. GYPSUM BOARD* GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. VERTICAL JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED ONE STUD CAVITY. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED	11e - 796
N/ \TE PLATE	NOT BE STAGGERED. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED A MIN OF 12 IN. THE THICKNESS AND NUMBER OF LAYERS FOR THE 1 HR, 2 HR, 3 HR AND 4 HR RATINGS ARE AS FOLLOWS:	ISVI L 32
	Gypsum Board Protection on Each Side of Wall Rating, Hr Min Stud Depth, No. of Layers, Thkns of Panel Ins. Thkns 1 3-1/2 1 layer, 5/8 in. thick Optional	itu e, F
	1 2-1/2 1 layer, 1/2 in. thick 1-1/2 in. 1 1-5/8 1 layer, 3/4 in. thick Optional 2 1-5/8 2 layers, 1/2 in. thick Optional	of T itusvill
	2 1-5/8 2 layers, 5/8 in. thick Optional 2 3-1/2 1 layer, 3/4 in. thick 3 in. 3 1-5/8 3 layers, 1/2 in. thick Optional	ofo
3/4" = 1'-0"	31-5/82 layers,3/4 in. thick Optional31-5/83 layers,5/8 in. thick Optional41-5/84 layers,5/8 in. thick Optional41-5/84 layers,1/2 in. thick Optional	
	4 2-1/2 2 layers, 3/4 in. thick 2 in. 6. FASTENERS TYPE S OR S-12 STEEL SCREWS USED TO ATTACH PANELS TO	mocl Street 11
	STUDS OR FURRING CHANNELS. SINGLE LAYER SYSTEMS: 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 8 IN. OC WHEN PANELS ARE APPLIED HORIZONTALLY, OR 8 IN. OC ALONG VERTICAL AND BOTTOM EDGES AND 12 IN. OC IN THE FIELD WHEN PANELS ARE APPLIED VERTICALLY. TWO LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC. SECOND LAYER- 1-5/8 IN.	own S 2021
SUM WALLBOARD (1) LAYER, DES. SEE FINISH SCHEDULE.	LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC WITH SCREWS OFFSET 8 IN. FROM FIRST LAYER.THREE-LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER- 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN.	Br Br
ING STRIPS AT 16" O.C.	OC. THIRD LAYER- 2-1/4 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. FOUR-LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER- 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER- 2-1/4 IN. LONG FOR 1/2 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 24 IN. OC. FOURTH LAYER- 2-5/8 IN.	Hope I 50 South roject Ne
ALL, FILL SOLID) PSI NON-SHRINK	LONG FOR 1/2 IN. THICK PANELS OR 3 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. 7. FURRING CHANNELS RESILIENT FURRING CHANNELS FABRICATED FROM MIN 25	H(550 Pro
	MSG CORROSION-PROTECTED STEEL, SPACED VERTICALLY A MAX OF 24 IN. OC. FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. LONG TYPE S-12 STEEL SCREWS.	
	8. STEEL FRAMING MEMBERS* USED TO ATTACH FURRING CHANNELS TO ONE SIDE OF STUDS ONLY. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH TWO NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREWS, ONE THROUGH THE HOLE AT EACH END OF THE CLIP. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.	Description Date
NALL		
3/4" = 1'-0"		
		PARTITION TYPES
PSUM WALLBOARD (1) LAYER, DR SIDE ONLY. SEE FINISH ULE.		DATE: 12/20/2023
RING STRIPS AT 16" O.C. ID INSULATION		DRAWN BY: CW REVISION:
WALL		SCALE As indicated
ROOFING HETIC STUCCO, PAINTED		A202
		TE OF FLOR
		STATION STATION
WALL 3/4" = 1'-0"		93669 93669
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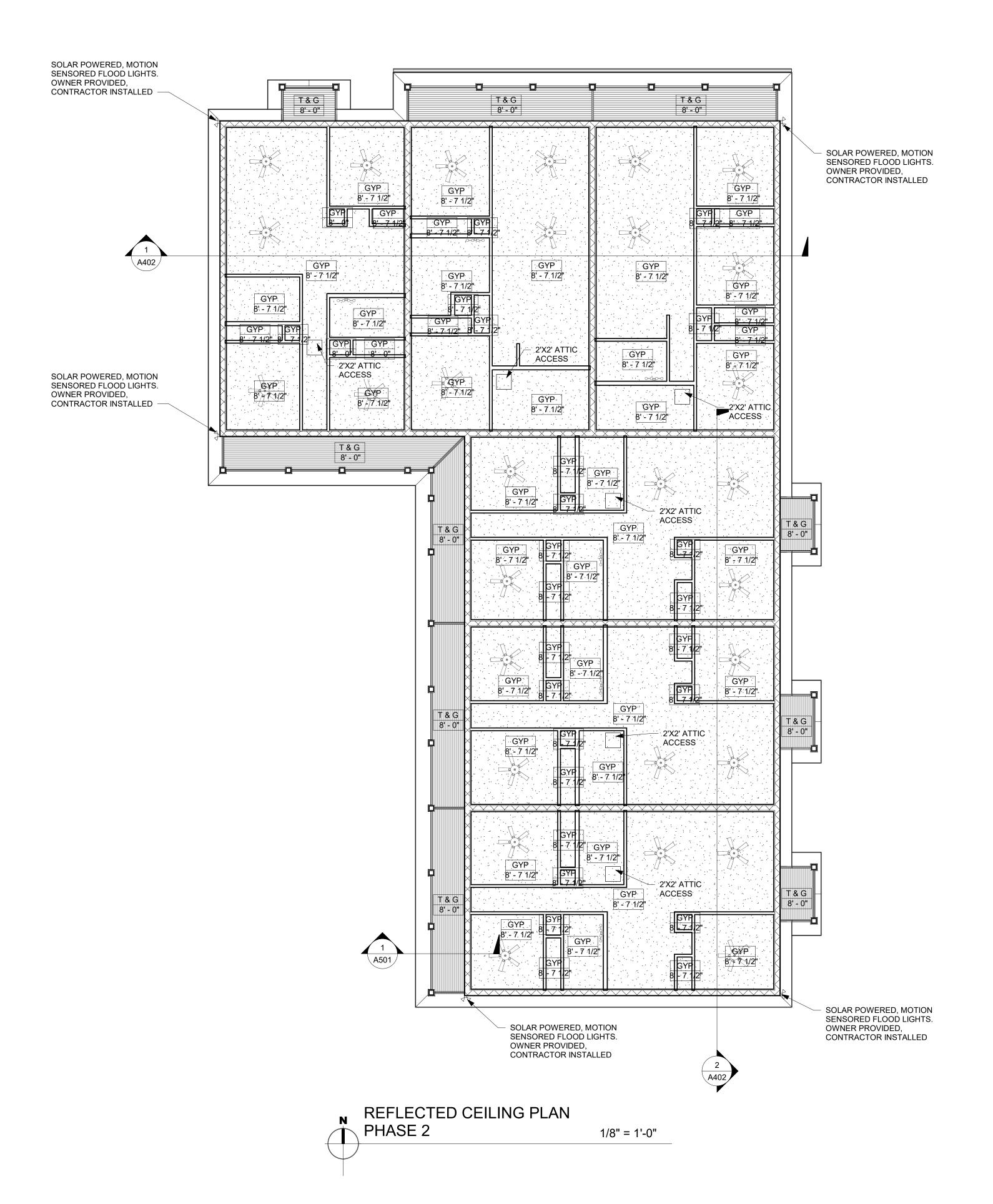




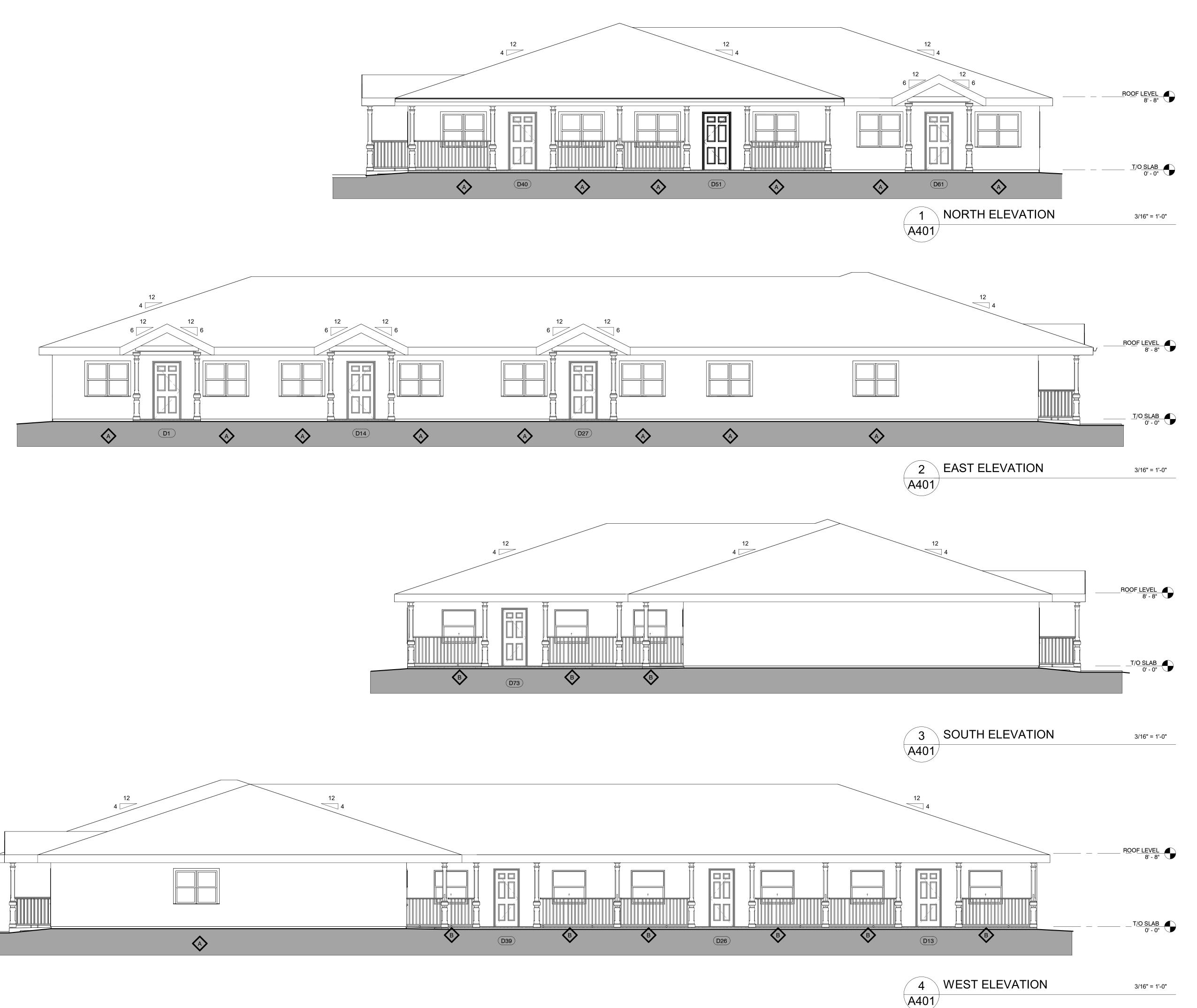


1/8" = 1'-0"



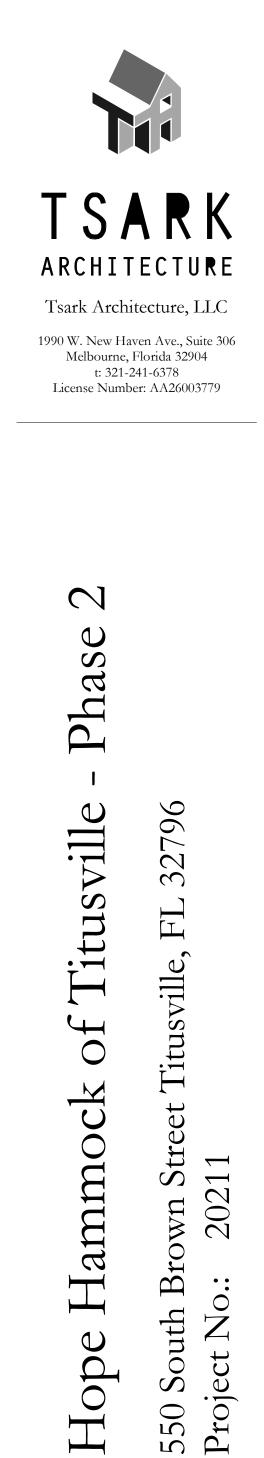


	REFLECTED CEILING PLAN NOTES	
	CEILING DETAILS DENOTE TYPICAL CONDITIONS	
	RCP LEGEND	TSARK
	GYPSUM WALLBOARD CEILING	ARCHITECTURE Tsark Architecture, LLC
SOLAR POWERED, MOTION	T & G WOOD CEILING	1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779
SENSORED FLOOD LIGHTS. OWNER PROVIDED, CONTRACTOR INSTALLED 8' - 7 1/2' B' - 7 1/2'	CEILING HEIGHT REFERENCE- SEE SCHEDULE OF FINISHES 1t CEILING TYPE 10'-0" CEILING HEIGHT	
GYP 8'-7 1/2		2
B'-7 1/2 B'-7 1/2 B'-7 1/2 B'-7 1/2		ase
<u>JL 8/- 7-1/2</u> <u>GYP</u> 8'- 7-1/2		- Phase
		ville - 32796
		Titusvil le, FL 327
T & G 8' - 0"		
GYP 8' - 7 1/2		
		mmocl wn Street 20211
GYP [] 8' - 7 · 1/2		LC B
T&G 8'-0"		No Ith No
		Hope 550 Sou Project
		Description Date
SOLAR POWERED, MOTION		REFLECTED CEILING PLAN
SENSORED FLOOD LIGHTS. OWNER PROVIDED, CONTRACTOR INSTALLED		DATE: 12/20/2023 DRAWN BY: CW
		REVISION: SCALE As indicated
		A301
		TATE OF FLORIDA GORY I. JS PROBA 93669
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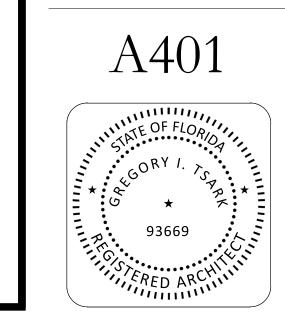


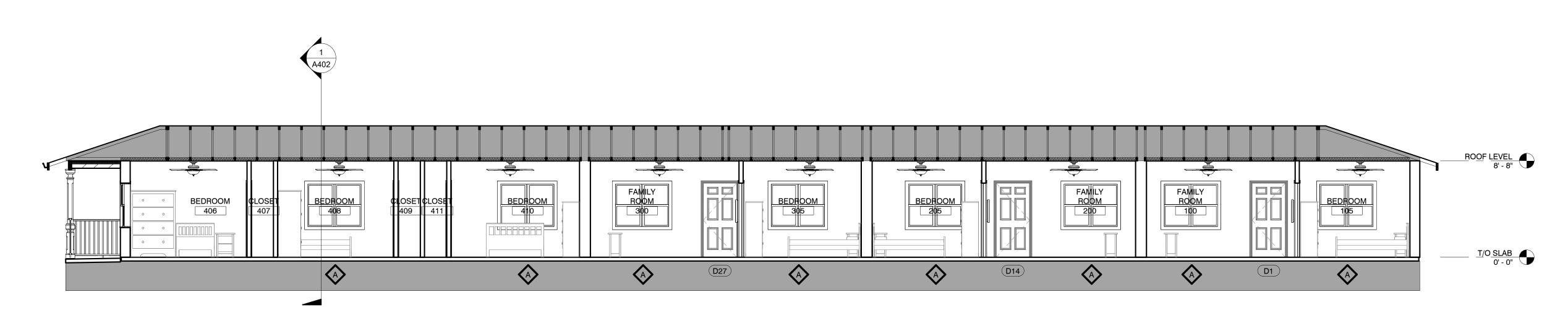
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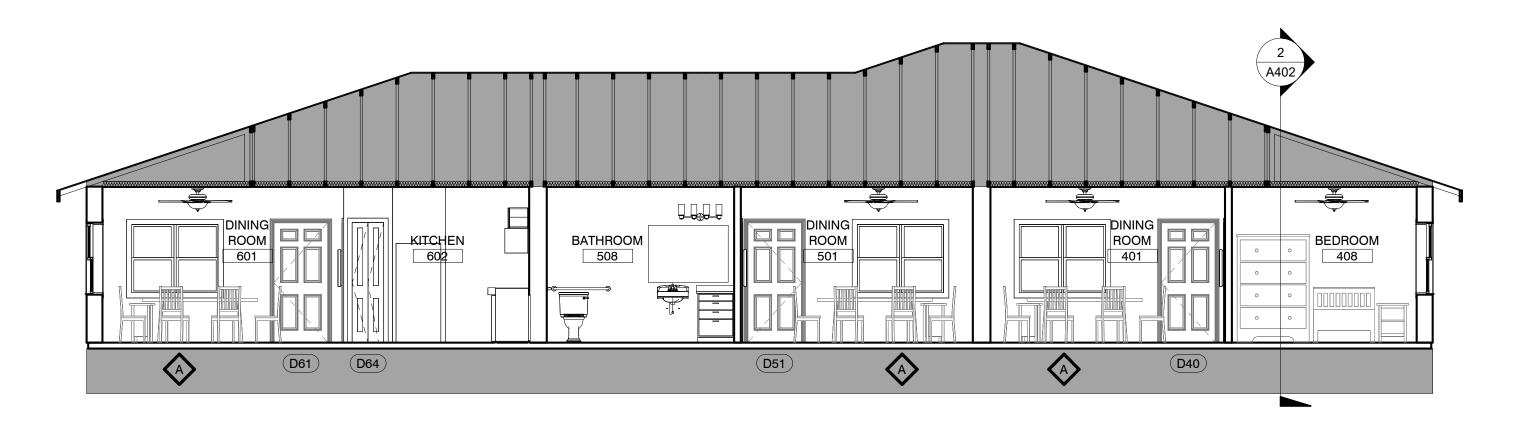
Hope

BUILDING ELEVATIONS

12/20/2023
CW
3/16" = 1'-0"











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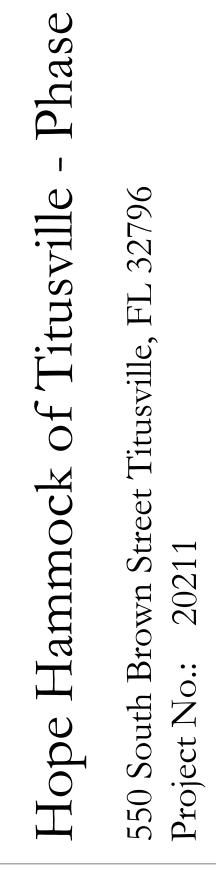
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2 BUILDING SECTION 3/16" = 1'-0" A402

BUILDING SECTION

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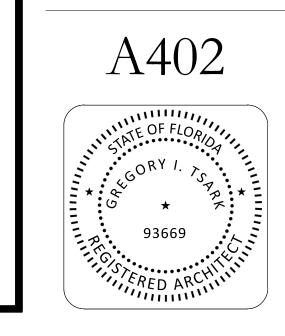
3/16" = 1'-0"

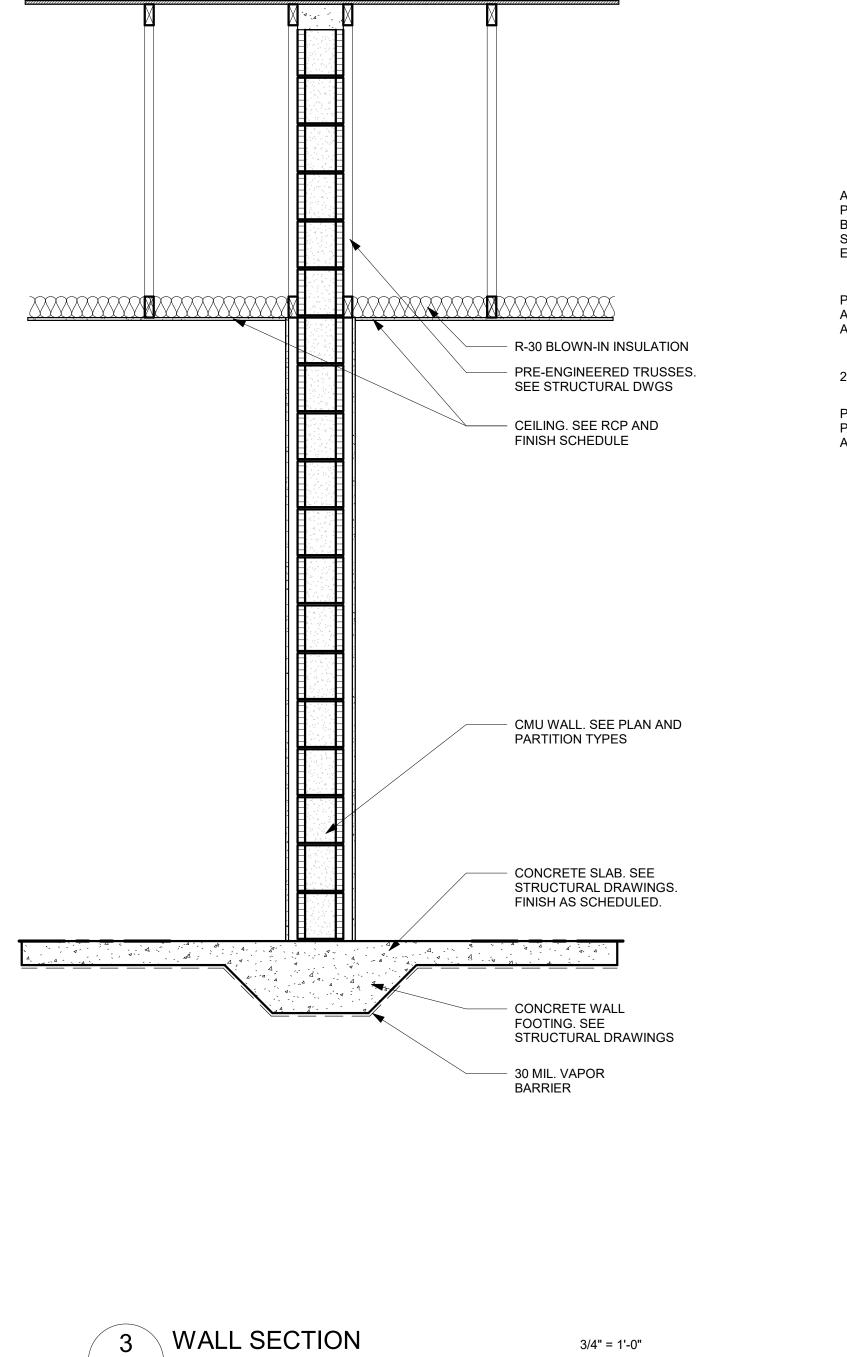


Description	Date

BUILDING SECTIONS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	3/16" = 1'-0"
CONCE	0,10 10





A501

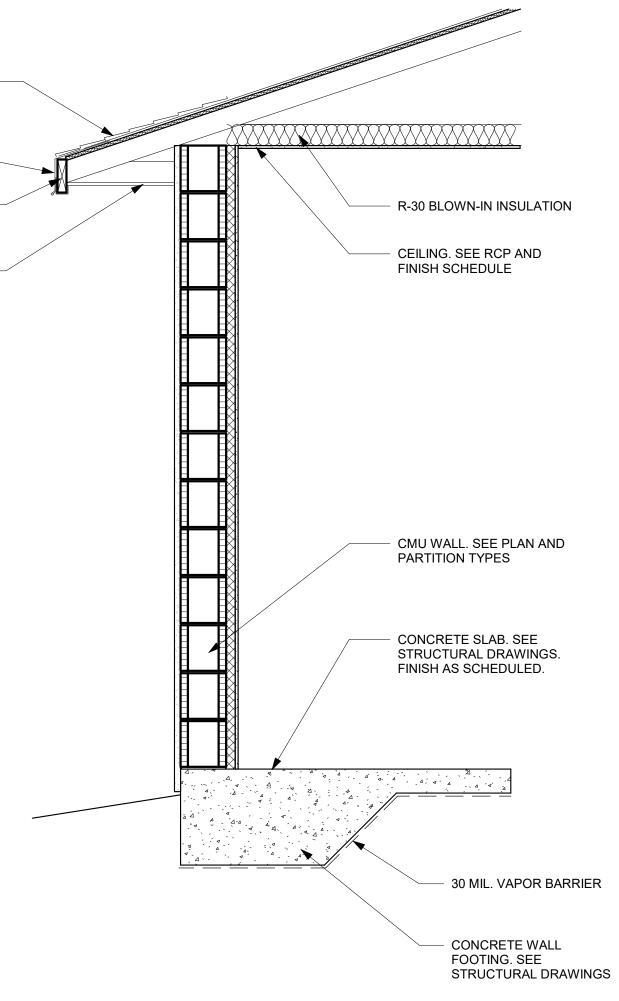
ASPHAULT SHINGLES ON PEEL-N-STICK MOISTURE BARRIER ON PLYWOOD SHEATHING ON PRE-ENGINEERED TRUSSES —

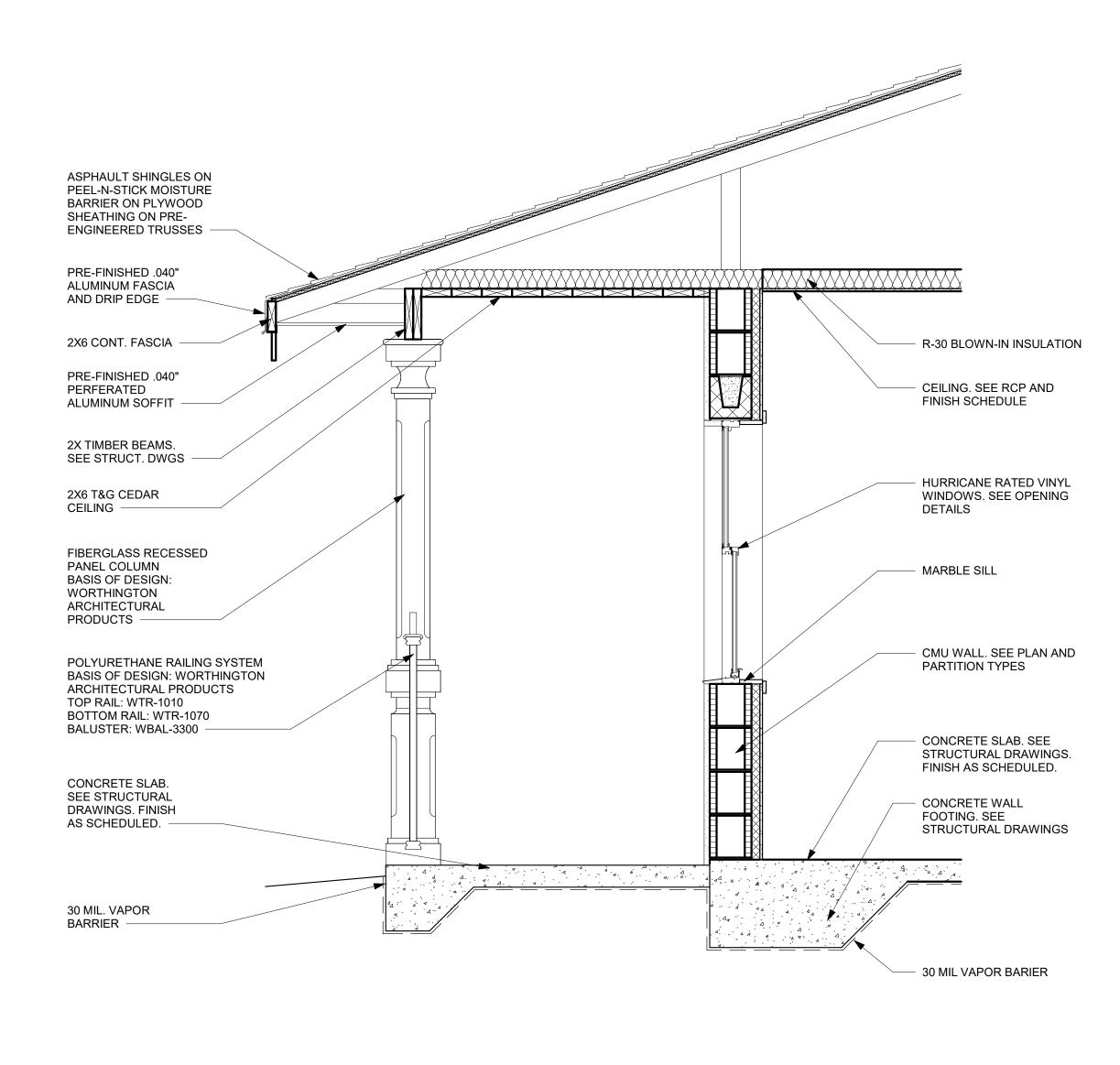
PRE-FINISHED .040" ALUMINUM FASCIA AND DRIP EDGE

2X6 CONT. FASCIA

PRE-FINISHED .040" PERFERATED ALUMINUM SOFFIT ------

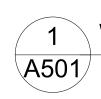








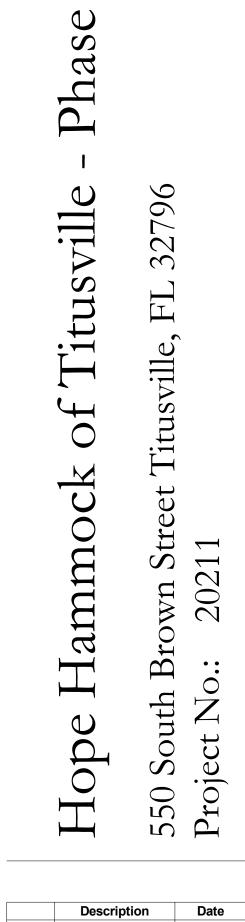
3/4" = 1'-0"





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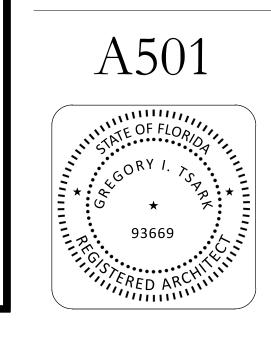
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Description	Date

SECTIONS AND DETAILS

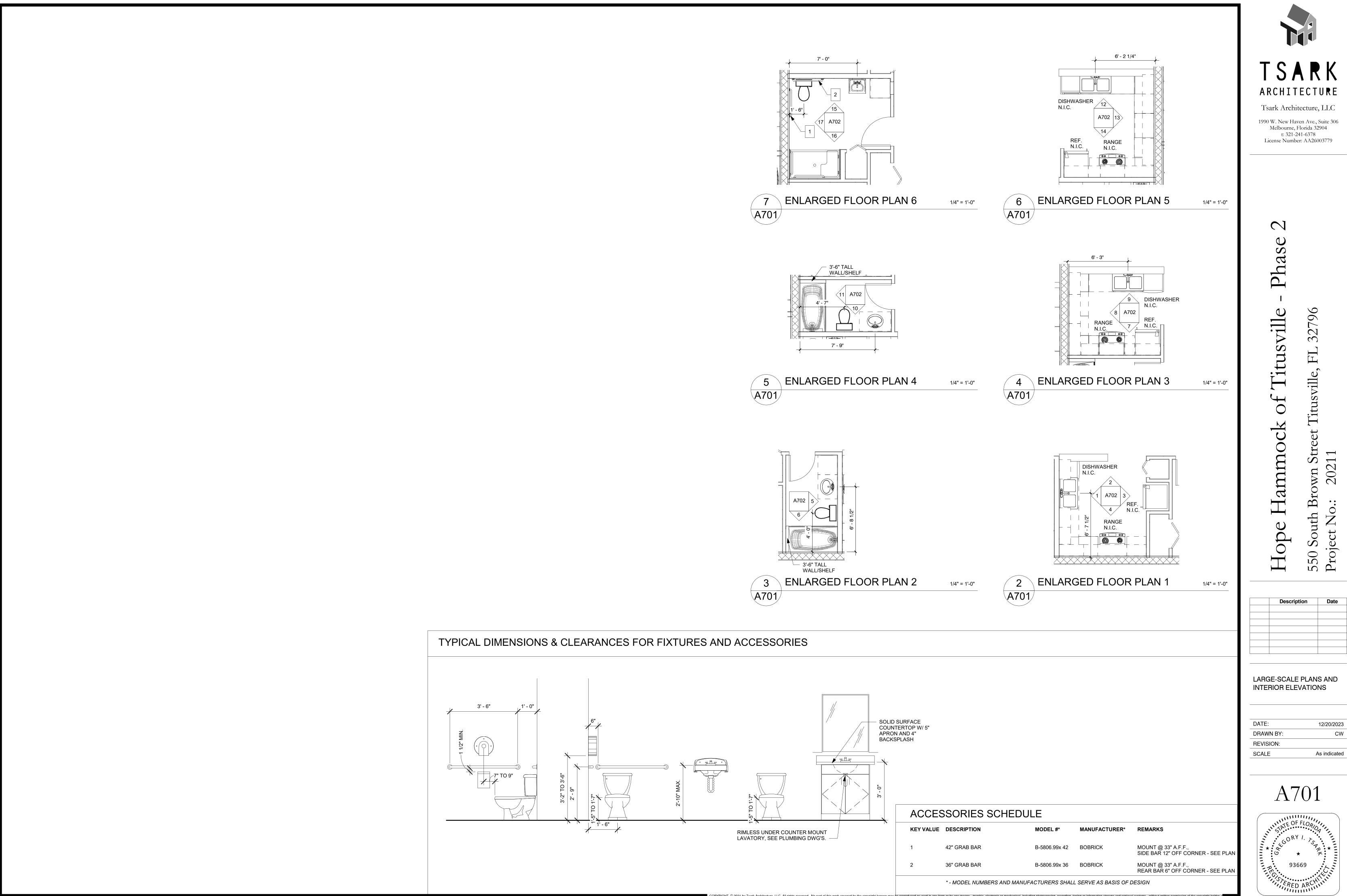
DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	3/4" = 1'-0"



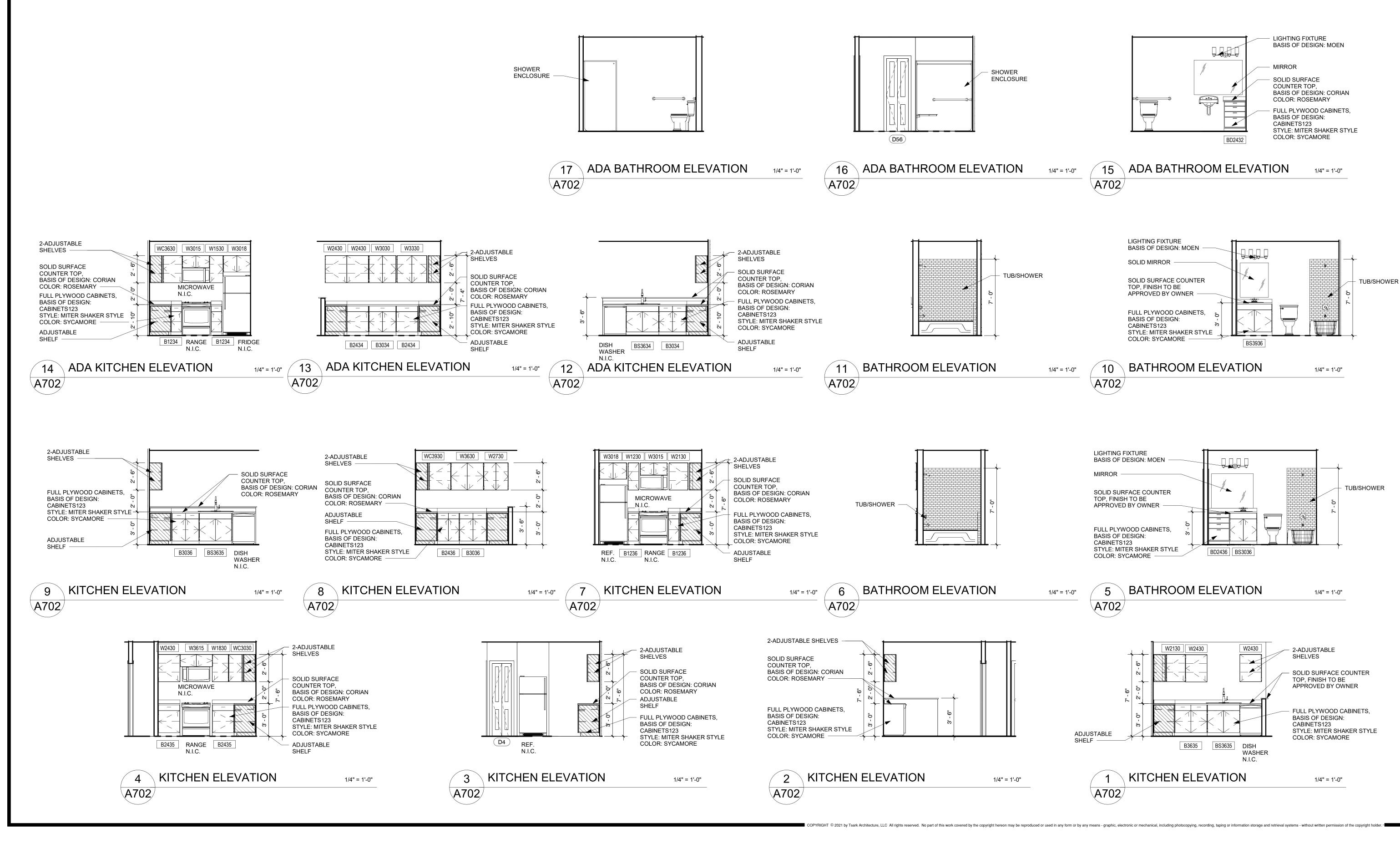
WALL SECTION

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3/4" = 1'-0"



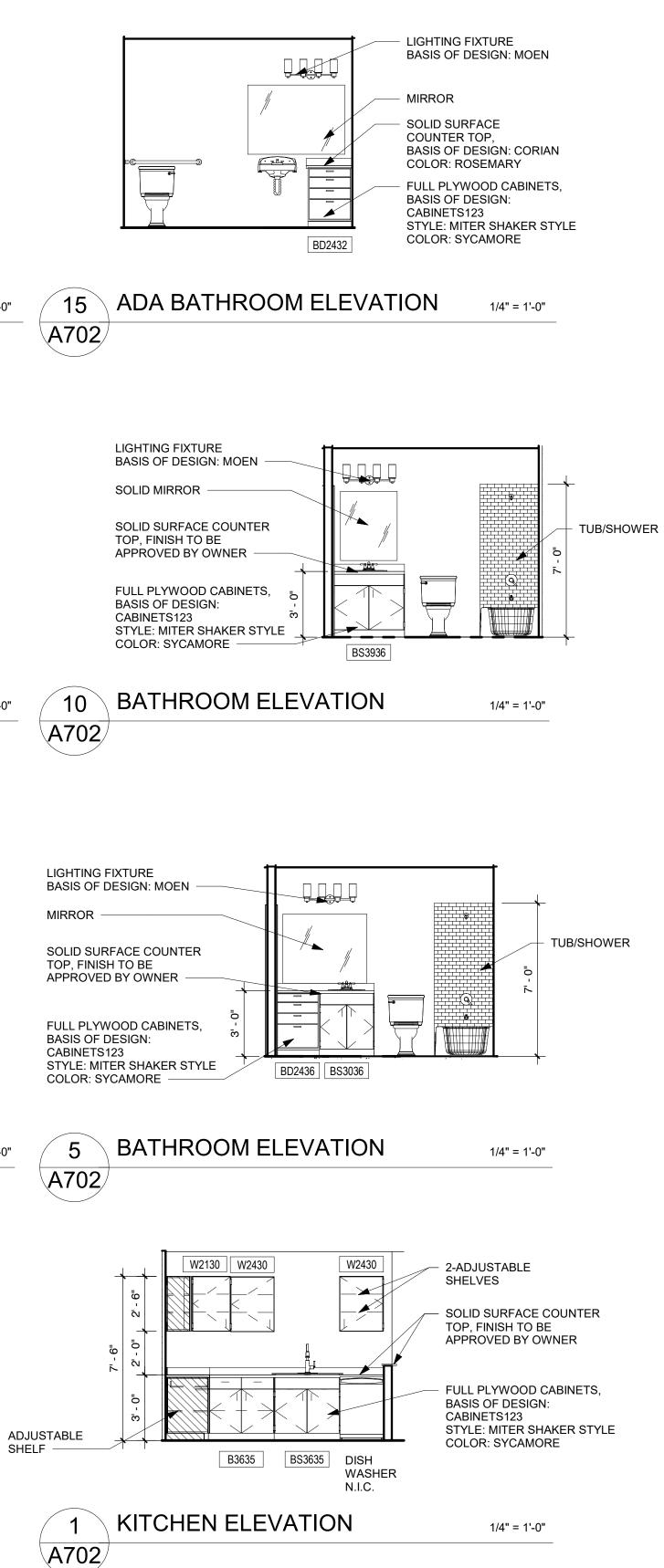
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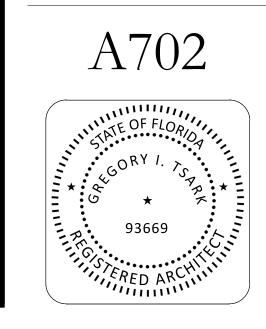


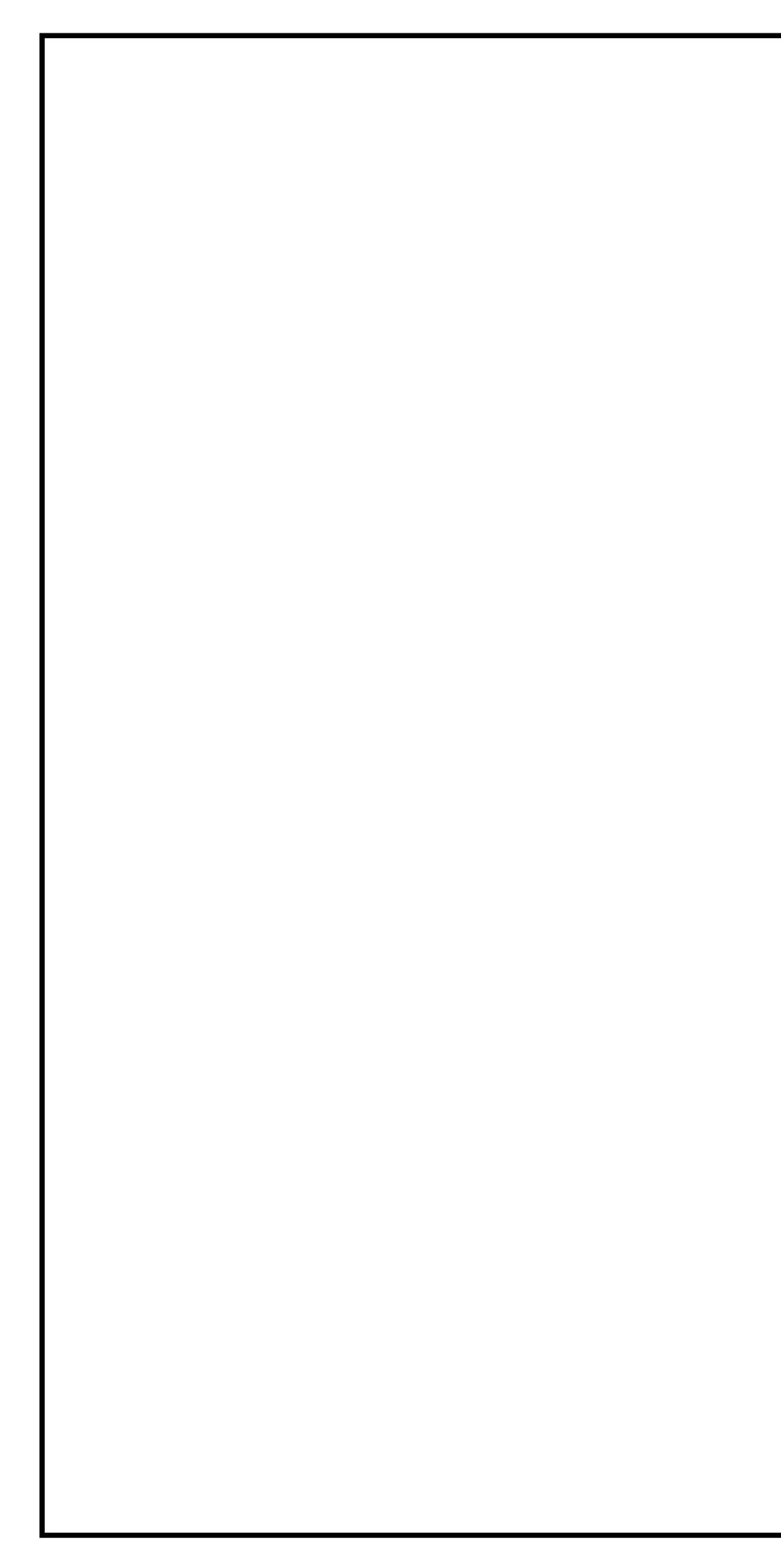
U Ń Pha 2796 \mathbf{O} 111 \mathcal{O} Ś Γ tu ĹŢ, Titusville, H Ч 0 Ck et **D**O U 4 \mathbf{S} $\overline{}$ \frown Brown o.: 202 am Т No.: South Hope 550 Sou Project

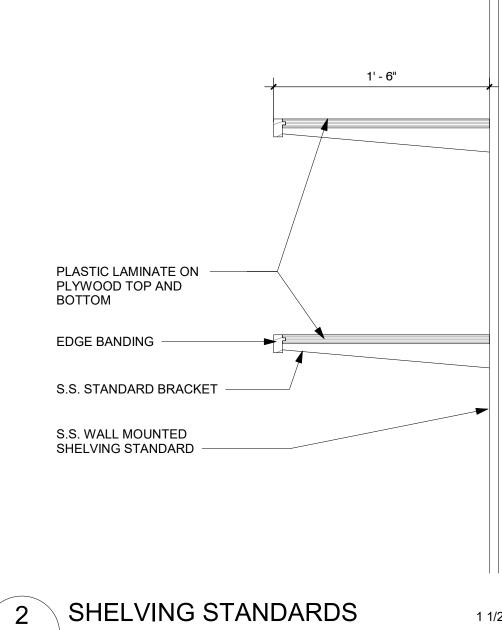
Description	Date

INTERIOR ELEVATIONS

DATE:	12/20/2023
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REVISION:	
SCALE	1/4" = 1'-0"



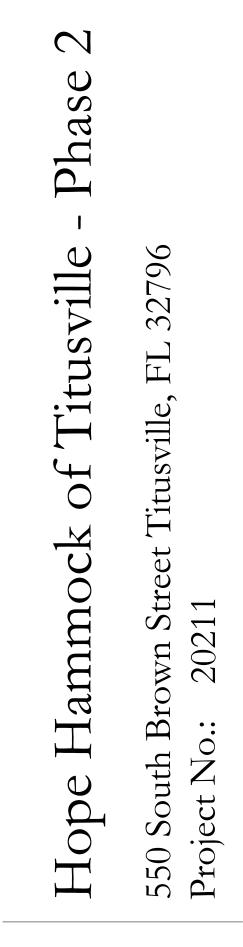




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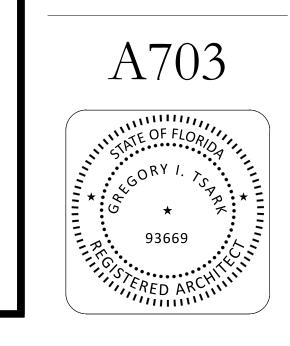
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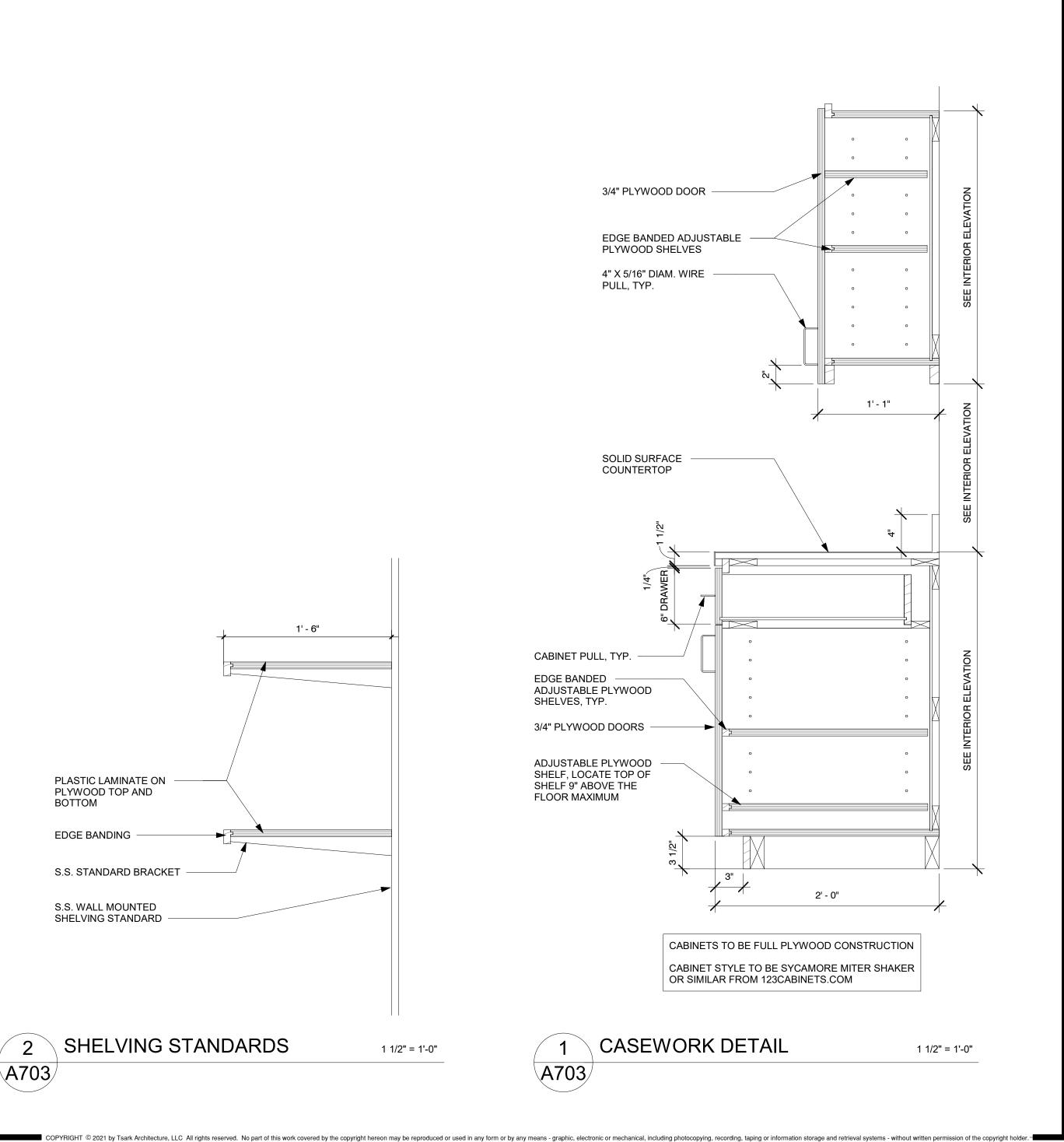


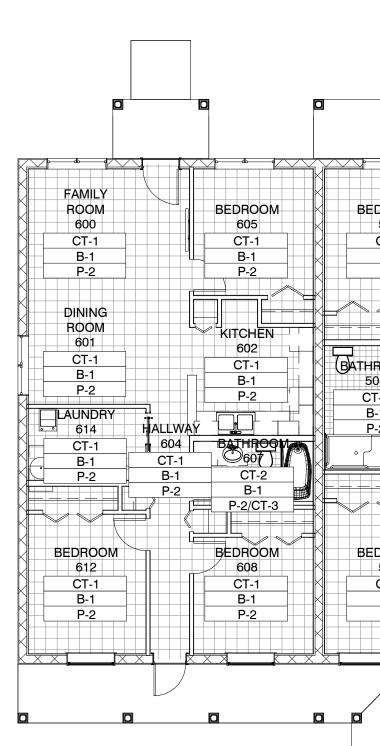
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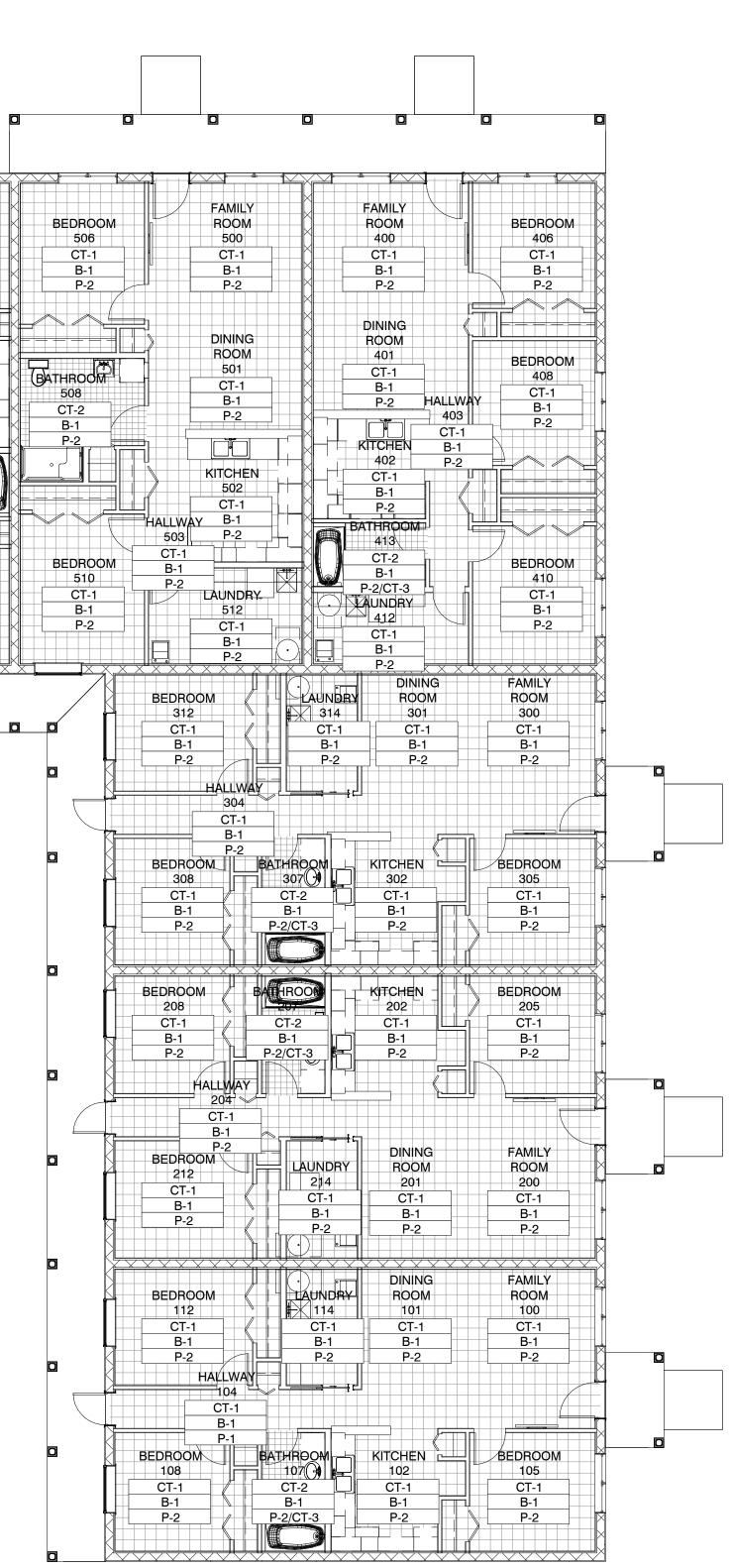
MILLWORK SECTIONS AND
DETAILS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	1 1/2" = 1'-0"









FINISH PLAN PHAS	E 2	
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	R		INISH S	SCHED	ULE	FINISH NOTES AND LEGEND
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish Comme	nts
100	FAMILY ROOM	CT-1	B-1	P-2	GWB-4	1. ALL INTERIOR FINISHES SHALL NOT EXCEED THE FLAME SPREAD AND SMOKE DEVELOPED REQUIREMENTS OF THE FLORIDA BUILDING CODE: CLASS A; FLAME SPREAD OF 76-200; SMOKE DEVELOPED 0-450
101 101	DINING ROOM	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	2. ALL FLOORING MATERIALS SHALL HAVE A MANUFACTURER TESTED DCOF OF 0.42 OR
102 103	KITCHEN PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	GREATER
104	HALLWAY	CT-1	B-1	P-1	GWB-1	3. ALL FINISH SELECTIONS ARE LISTED AS A BASIS OF DESIGN. OWNER WILL APPROVE
105	BEDROOM	CT-1	B-1	P-2	GWB-4	FINAL SELECTIONS
106 107	CLOSET BATHROOM	CT-1 CT-2	B-1 B-1	P-1 P-2/CT-3	GWB-1 GWB-4	ROOM NAME ROOM FINISHES
107	BEDROOM	CT-2 CT-1	B-1	P-2	GWB-4	
109	CLOSET	CT-1	B-1	P-1	GWB-1	XX-X FLOOR FINISH XX-X BASE FINISH
110	CLOSET LINEN	CT-1 CT-1	B-1 B-1	P-1 P-1	GWB-1 GWB-1	XX-X
111 112	BEDROOM	CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	
113	CLOSET	CT-1	B-1	P-1	GWB-1	FINISH SELECTION SCHEDULE
114 200	LAUNDRY FAMILY ROOM	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	
200	DINING ROOM	CT-1	B-1	P-2	GWB-4 GWB-4	FINISHES (FLOORS)
202	KITCHEN	CT-1	B-1	P-2	GWB-4	CT-1 PORCELAIN TILE BASIS OF DESIGN: DALTILE, STRAFORD PLACE
203 204	PANTRY HALLWAY	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	SIZE: 12" X 24" COLOR: ALABASTER SANDS SD91
204	BEDROOM	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	
206	CLOSET	CT-1	B-1	P-1	GWB-1	CT-2 PORCELAIN TILE - BATHROOMS BASIS OF DESIGN: DALTILE, AVONDALE
207	BATHROOM	CT-2	B-1	P-2/CT-3	GWB-4	SIZE: 12" X 24"
208 209	BEDROOM CLOSET	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	COLOR: CHATEAU CREME AD01
210	CLOSET	CT-1	B-1	P-1	GWB-1	WALL BASES
211	LINEN	CT-1	B-1	P-1	GWB-1	B-1 #5523 PVC COMPOSITE WHITE COLONIAL BASE MOULDING BASIS OF DESIGN: ROYAL BUILDING PRODUCTS
212 213	BEDROOM CLOSET	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	SIZE: 29/64" x 3 1/4" x 8'-0"
213	LAUNDRY	CT-1	B-1	P-2	GWB-1 GWB-4	COLOR: WHITE
300	FAMILY ROOM	CT-1	B-1	P-2	GWB-4	FINISHES (CEILINGS & WALLS)
301	DINING ROOM KITCHEN	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	GWB-4 GYPSUM WALLBOARD. LEVEL 4 JOINT COMPOUND FINISH. FINAL APPEARANCE SHALL HAVE NO MARKS OR RIDGES. READY FOR PRIMING,
302 303	PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	PAINT
304	HALLWAY	CT-1	B-1	P-2	GWB-4	CT-3 PORCELAIN TILE - BATHROOM SHOWERS
305	BEDROOM	CT-1	B-1	P-2	GWB-4	BASIS OF DESIGN: DALTILE, AVONDALE
306 307	CLOSET BATHROOM	CT-1 CT-2	B-1 B-1	P-1 P-2/CT-3	GWB-1 GWB-4	SIZE: 2" X 4" COLOR: CHATEAU CREME AD01
308	BEDROOM	CT-1	B-1	P-2	GWB-4	
309	CLOSET	CT-1	B-1	P-1	GWB-1	P-1 DOORS AND DOOR TRIM
310 311	CLOSET LINEN	CT-1 CT-1	B-1 B-1	P-1 P-1	GWB-1 GWB-1	BEHR PREMIUM PLUS, SATIN ENAMEL FINISH COLOR: PURE WHITE
312	BEDROOM	CT-1	B-1	P-1 P-2	GWB-1 GWB-4	
313	CLOSET	CT-1	B-1	P-1	GWB-1	P-2 WALLS KITCHEN/BATH - BEHR PREMIUM PLUS WHITE SEMI-GLOSS ENAMEL FINISH
314		CT-1	B-1	P-2	GWB-4	OTHER ROOMS - BEHR PREMIUM PLUS WHITE SATIN ENAMEL FINISH
400 401	FAMILY ROOM DINING ROOM	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	COLOR: PURE WHITE
402	KITCHEN	CT-1	B-1	P-2	GWB-4	P-3 CEILINGS
403	HALLWAY	CT-1	B-1	P-2	GWB-4	BEHR WHITE CEILING SATIN SHEEN
404 405	PANTRY CLOSET	CT-1 CT-1	B-1 B-1	P-1 P-1	GWB-1 GWB-1	COLOR: WHITE
406	BEDROOM	CT-1	B-1	P-2	GWB-4	P-4 EXTERIOR WALLS - MAIN COLOR
407	CLOSET	CT-1	B-1	P-1	GWB-1	VALSPAR DURAMAX EXTERIOR PAINT COLOR: PEACEFUL CALM #3005-2C
408 409	BEDROOM CLOSET	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	
409	BEDROOM	CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	P-5 EXTERIOR WALLS - TRIM VALSPAR DURAMAX EXTERIOR PAINT
411	CLOSET	CT-1	B-1	P-1	GWB-1	COLOR: WHITE
412 413	LAUNDRY BATHROOM	CT-1 CT-2	B-1 B-1	P-2 P-2/CT-3	GWB-4 GWB-4	PS PAINTED STRUCTURE
413 500	FAMILY ROOM	CT-2 CT-1	B-1 B-1	P-2/CT-3 P-2	GWB-4 GWB-4	GYPSUM WALLBOARD TYPE PRODUCT; PAINT ALL EXPOSED SURFACES,
501	DINING ROOM	CT-1	B-1	P-2	GWB-4	CONDUIT, DUCTWORK, ETC.
502	KITCHEN	CT-1	B-1 B-1	P-2	GWB-4	
503 504	HALLWAY PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	FINISH LEGEND
505	CLOSET	CT-1	B-1	P-1	GWB-1	
506	BEDROOM	CT-1	B-1	P-2	GWB-4	
507 508	CLOSET BATHROOM	CT-1 CT-2	B-1 B-1	P-1 P-2	GWB-1 GWB-4	CT-1
509	LINEN	CT-1	B-1	P-1	GWB-1	
510	BEDROOM	CT-1	B-1	P-2	GWB-4	CT-2
511 512	CLOSET LAUNDRY	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	
600	FAMILY ROOM	CT-1	B-1	P-2	GWB-4 GWB-4	
601	DINING ROOM	CT-1	B-1	P-2	GWB-4	
602 603	KITCHEN PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	———————————————————————————————————————
603 604	HALLWAY	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	——
605	BEDROOM	CT-1	B-1	P-2	GWB-4	
606 607	CLOSET	CT-1	B-1	P-1	GWB-1	
607 608	BATHROOM BEDROOM	CT-2 CT-1	B-1 B-1	P-2/CT-3 P-2	GWB-4 GWB-4	——
609	CLOSET	CT-1	B-1	P-1	GWB-1	
610	CLOSET	CT-1	B-1	P-1	GWB-1	
611 612	PANTRY BEDROOM	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	—
613	CLOSET	CT-1	B-1 B-1	P-1	GWB-1	
	LAUNDRY	CT-1	B-1	P-2	GWB-4	

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1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

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Titusville,

550 South Brown Street Project No.: 20211

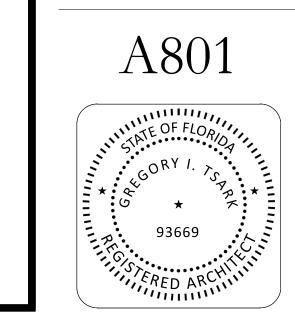
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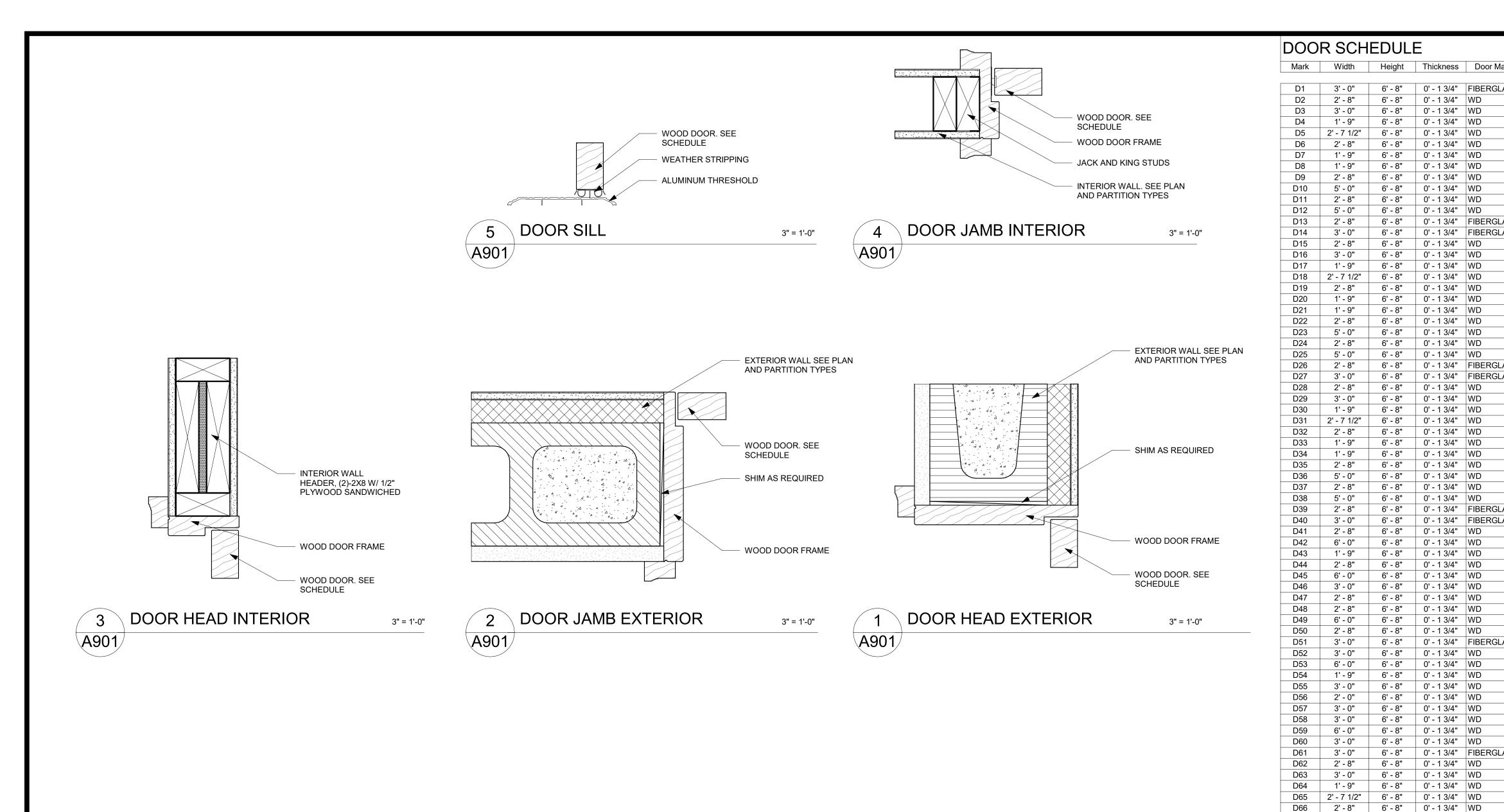
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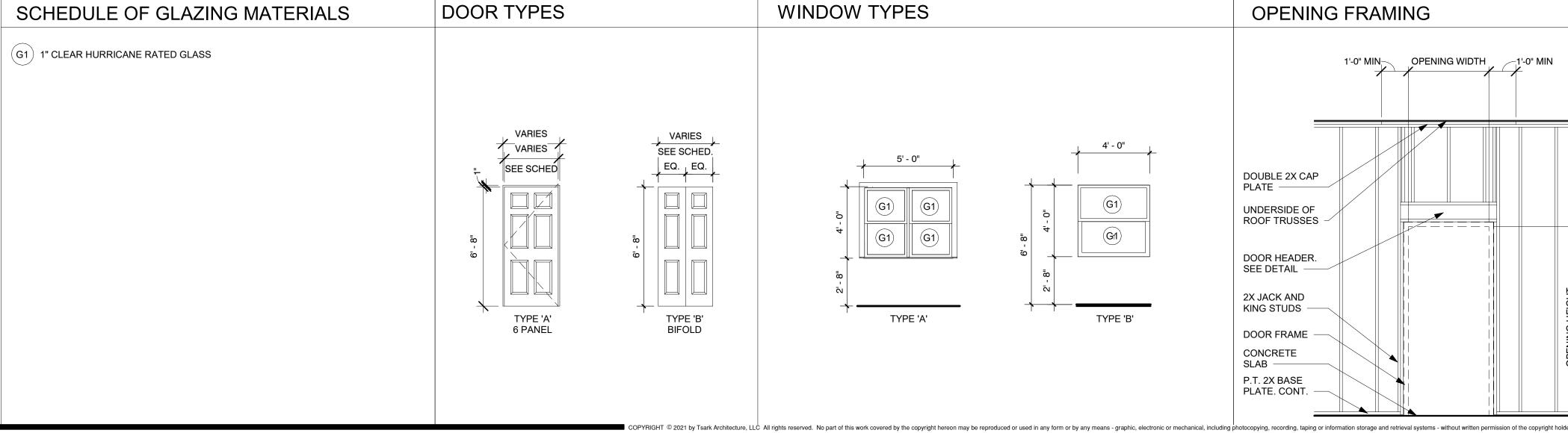
FINISH PLAN

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	1/8" = 1'-0"





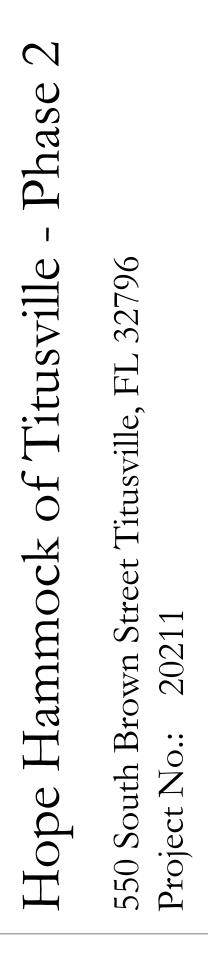
SCHEDULE OF G
G1 1" CLEAR HURRICANE RATE



DOO	R SCH	EDULI	E								
Mark	Width	Height	Thickness	Door Material	Door Finish	Door Type	Frame Material	Finish	Fire Rating	Hardware Set	Comments
D1	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D2	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D3	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D4	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D5 D6	2' - 7 1/2" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A A	 WD	PAINT PAINT			POCKET DOOR PRE-HUNG DOOR
D0	2 - 8 1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D8	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D9	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D10	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D11	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D12	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D13 D14	2' - 8" 3' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	FIBERGLASS FIBERGLASS	PAINT PAINT	A A	WD WD	PAINT PAINT			PRE-HUNG DOOR PRE-HUNG DOOR
D14	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D16	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D17	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D18	2' - 7 1/2"	6' - 8"	0' - 1 3/4"	WD	PAINT	A		PAINT			POCKET DOOR
D19	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D20	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D21	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D22 D23	2' - 8" 5' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A B	WD	PAINT PAINT			PRE-HUNG DOOR BI-FOLD DOOR
D23	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D25	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D26	2' - 8"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D27	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D28	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D29	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D30 D31	1' - 9" 2' - 7 1/2"	6' - 8" 6' - 8"	0' - 1 3/4"	WD WD	PAINT PAINT	B		PAINT PAINT			BI-FOLD DOOR POCKET DOOR
D31 D32	2 - 7 1/2 2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A A	 WD	PAINT			POCKET DOOR PRE-HUNG DOOR
D33	2 - 0 1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D34	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D35	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D36	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D37	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D38 D39	5' - 0" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD FIBERGLASS	PAINT PAINT	B	 WD	PAINT PAINT			BI-FOLD DOOR PRE-HUNG DOOR
D39 D40	2 - 8 3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A A	WD	PAINT			PRE-HUNG DOOR
D40	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D42	6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D43	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D44	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D45	6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D46	3' - 0" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4"	WD		B	 WD	PAINT PAINT			BI-FOLD DOOR PRE-HUNG DOOR
D47 D48	2 - 8 2' - 8"	6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A A	WD	PAINT			PRE-HUNG DOOR
D40	2 - 0 6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D50	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D51	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D52	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D53	6' - 0"	6' - 8"	0' - 1 3/4"	WD		В		PAINT			BI-FOLD DOOR
D54	1' - 9" 3' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD		B	 WD				
D55 D56	3' - 0" 2' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A B	WD 	PAINT PAINT			PRE-HUNG DOOR BI-FOLD DOOR
D50	2 - 0 3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT		<u> </u>	BI-FOLD DOOR
D58	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D59	6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D60	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D61	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D62	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D63	3' - 0"	6' - 8"	0' - 1 3/4"	WD		B					BI-FOLD DOOR
D64 D65	1' - 9" 2' - 7 1/2"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	B A		PAINT PAINT			BI-FOLD DOOR POCKET DOOR
D65	2 - 7 1/2 2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			POCKET DOOR PRE-HUNG DOOR
D67	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D68	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D69	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D70	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D71	2' - 8"	6' - 8"	0' - 1 3/4"	WD		A	WD				PRE-HUNG DOOR
D72 D73	5' - 0" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD FIBERGLASS	PAINT PAINT	B	 WD	PAINT PAINT			BI-FOLD DOOR PRE-HUNG DOOR
013	2 - Ö	0-0	0 - 1 3/4	I IDERGLASS		A	٧٧D	FAINT			



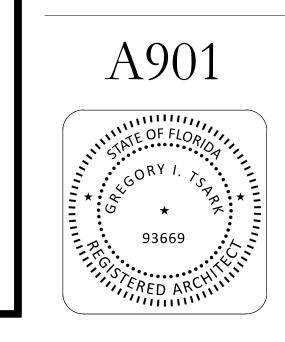
Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

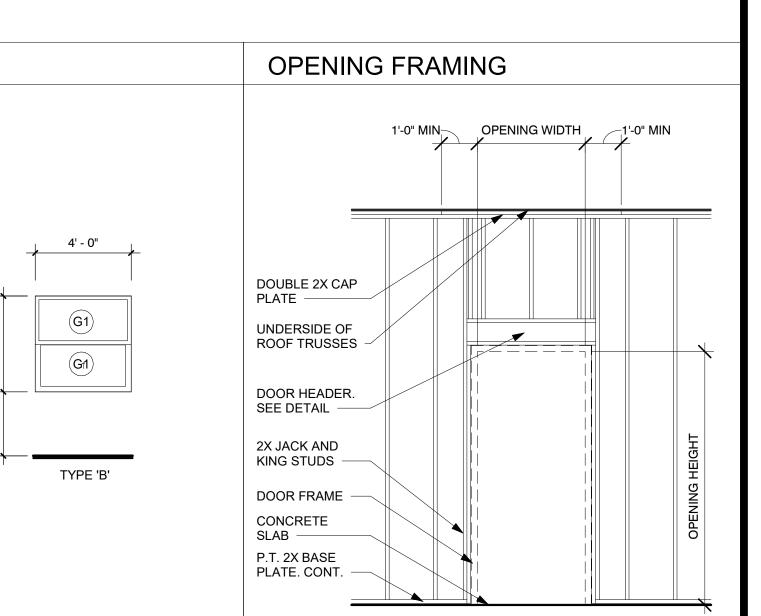


Description	Date

SCHEDULE OF OPENINGS, OPENING TYPES, FRAME TYPES

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	As indicated





Opening List		h. Mounting locations for hard i. Door and frame sizes and r	
	<u>me Type</u> WD WD	j. Name and phone number for product.	or local manufacturer's representative fo
203 U-7 WD 204 U-7 WD	ND ND ND	switches, magnetic holders or	lectric strikes, automatic operators, doo closer/holder units, and access control cription should include how door will ope
206 U-4 WD 207 U-7 WD	ND ND ND		moke alarm connection. ubmit door hardware schedule concurre ta, Samples, and Shop Drawings. Coor
209 U-3 WD 210 U-8 WD	WD WD WD	submission of door hardwa	re schedule with scheduling requirement cation of other work that is critical in Pro
212 U-8 WD 213 U-2 FG	WD WD WD		rovide keying schedule listing levels of em's function, key symbols used and do
215 U-3 WD 216 U-7 WD	WD WD WD	numbers controlled. b. Use ANSI/BHMA A156.28	Recommended Practices for Keying Sy definitions, and approach for selecting of
218 U-6 WD 219 U-4 WD	ND ND ND ND	keying system. c. Provide 3 copies of keying	schedule for review prepared and detail HI publication. Include schematic keying
221 U-7 WD 222 U-3 WD	ND ND ND ND	and index each key to unique of d. Index keying schedule by d	
224 U-3 WD 225 U-8 WD	WD WD WD	e. Provide one complete bittin illustrating system usage and e	g list of key cuts and one key system so
227 U-1 FG 228 U-3 WD	WD WD WD	by means as directed by O	wner. under supervision of supplier, detailing
230 U-7 WD 231 U-6 WD	WD WD WD	doors, frames and other work spe installation.	l of hardware schedule, provide templat cified to be factory prepared for door ha
233 U-7 WD 234 U-7 WD	WD WD WD	C. Informational Submittals: 1. Qualification Data: For Supplic Consultant.	er, Installer and Architectural Hardware
236 U-8 WD 237 U-3 WD	WD WD WD	 Certify that door hardware a 	ied door hardware, signed by manufactu approved for use on types and sizes of I listed fire-rated door assemblies.
239 U-2 FG 240 U-1 FG	WD WD WD	 Certificates of Compliance: a. Certificates of compliance f if requested by Architect or Au 	or fire-rated hardware and installation in thority Having Jurisdiction.
242 U-8 WD 243 U-7 WD	WD WD WD		Certification: Letter of compliance, signe etion of installer training meeting specifie cle, herein.
245 U-8 WD 246 U-7 WD	WD WD WD	compliance, signed by Contrac	ination Conference Certification: Letter ctor, attesting to completion of electrified ence, specified in "QUALITY ASSURANC
248 U-3 WD 249 U-8 WD	ND ND ND	on evaluation of comprehensive t	npliance with accessibility requirements ests performed by manufacturer and wit
251 U-1 FG 252 U-3 WD	ND ND ND	routes. 3. Warranty: Special warranty sp	or hardware on doors located in access pecified in this Section.
254 U-7 WD 255 U-4 WD	ND ND ND	include:	Data: Provide in accordance with Division
257 U-7 WD 258 U-3 WD	ND ND ND	and replacement parts, and in b. Catalog pages for each pro	
261 U-1 FG	ND ND ND	manufacturer. d. Parts list for each product.	number of local representatives for eac
264 U-7 WD	ND ND ND	f. Final keying scheduleg. Copies of floor plans with k	
267 U-7 WD	ND ND ND	voltage and 110 volts. i. Copy of warranties includin	s for each opening connected to power, g appropriate reference numbers for
270 U-8 WD 271 U-3 WD	ND ND ND	manufacturers to identify proje 1.2QUALITY ASSURANCE A. Product Substitutions: Comply with p	
273 U-2 FG	ND ND	Substitute," including make or mo	product is named and accompanied by del number or other designation, provide have been selected for their unique
SECTION 08 7100 - DOOR HARDWARE PART 1 -GENERAL 1.1RELATED DOCUMENTS		characteristics and particular proj a. Where no additional produc	
A. Drawings and general provisions of the Contr Supplementary Conditions and Division 01 Spec 1.2SUMMARY		B. Supplier Qualifications and Responsi supplier with record of successful in-ser similar in quantity, type, and quality to th	bilities: Recognized architectural hardwa vice performance for supplying door har
A. Section includes: 1. Mechanical and electrified door hardwa a. Swinging doors. B. Related Sections:	re for:	certified Architectural Hardware Consult Contractor, at reasonable times during t 1. Warehousing Facilities: In Pro	ant (AHC) available to Owner, Architect he Work for consultation.
1. Division 01 Section "Alternates" for alter 2. Division 07 Section "Joint Sealants" for threshold installation specified in this section	sealant requirements applicable to	schedules.	eparation of door hardware and keying reparation of data for electrified door har
 Division 09 sections for touchup finishi modified by this section. 1.3REFERENCES 		manufacturer's standard units in a Project.	on testing and engineering analysis of assemblies similar to those indicated for
 A. UL - Underwriters Laboratories 1. UL 10B - Fire Test of Door Assemblies 2. UL 10C - Positive Pressure Test of Fire 	Door Assemblies	hardware with Architect and elect technical data to Architect and oth	
3. UL 1784 - Air Leakage Tests of Door A 4. UL 305 - Panic Hardware B. DHI - Door and Hardware Institute		verify that all components are C. Installer Qualifications: Qualified trad	esmen, skilled in application of commer
 Sequence and Format for the Hardwar Recommended Locations for Builders Key Systems and Nomenclature 		hardware with record of successful in-se similar in quantity, type, and quality to th D. Architectural Hardware Consultant Q	at indicated for this Project. ualifications: Person who is experience
C. ANSI - American National Standards Institute 1. ANSI/BHMA A156.1 - A156.29, and AN Hardware and Specialties.	ISI/BHMA A156.31 - Standards for	providing consulting services for door ha material, design, and extent to that indic requirements:	ated for this Project and meets these
D. Florida Building Codes. 1.4SUBMITTALS A. General:		Can provide installation and te subcontractors.	ed, Architectural Hardware Consultant (chnical data to Architect and other relate
 Submit in accordance with Conditions or requirements. Highlight, encircle, or otherwise specification 		installation. 4. Capable of producing wiring di	
from Contract Documents, issues of incon detrimentally affect the Work. 3. Prior to forwarding submittal, comply w	ith procedures for verifying existing door	electrical engineers. E. Single Source Responsibility: Obtair manufacturer.	ation of electrified hardware with Archite n each type of door hardware from single
and frame compatibility for new hardware, "EXAMINATION" article, herein. B. Action Submittals:		 Provide electrified door hardwate hardware, unless otherwise indicate 	are from same manufacturer as mechar ated. ectrical modifications and that are listed
 Product Data: Product data including r each item of door hardware, installation in parts and finish, and other information nec 	structions, maintenance of operating		e to authorities having jurisdiction are ac n Components testing: Listed and labele
requirements. 2. Riser and Wiring Diagrams: After final details of electrified door hardware, indica	ing:	according to ANSI A250.13. Further con Openings. G. Fire-Rated Door Openings: Provide	npliance with Florida Building Codes for
 a. Wiring Diagrams: For power, signa 1) Details of interface of electrified security systems. 2) Schematic diagram of systems t 	door hardware and building safety and	complies with NFPA 80 and requiremen items of door hardware that are listed ar Underwriters Laboratories, Intertek Test	ts of authorities having jurisdiction. Prov nd are identical to products tested by
 ardware. 3) Point-to-point wiring. 4) Risers. 		organizations acceptable to authorities h doors indicated, based on testing at pos UL 10C and in compliance with requiren	naving jurisdiction for use on types and s itive pressure and according to NFPA 2
 Samples for Verification: If requested l sample installations of each type of expos tagged with full description for coordination 	ed hardware unit in finish indicated, and	H. Smoke- and Draft-Control Door Asse assemblies are required, provide door h tested according to UL 1784 and installe	ardware that meets requirements of ass ed in compliance with NFPA 105.
a. Samples will be returned to supplier	in like-new condition. Units that are check of operations, be incorporated into	 Air Leakage Rate: Maximum a differential of 0.3-inch wg of water I. Electrified Door Hardware: Listed an 	air leakage of 0.3 cfm/sq. ft. at tested pro .d labeled as defined in NFPA 70, Article
4. Door Hardware Schedule: Submit sch format as illustrated by Sequence of Form published by the Door and Hardware Instit	edule with hardware sets in vertical at for the Hardware Schedule as	testing agency acceptable to authorities J. Means of Egress Doors: Latches do Locks do not require use of key, tool, or	not require more than 15 lbf to release special knowledge for operation.
each item required for each door or opening			<pre>ilations cited in "REFERENCES" article, do not require tight grasping, pinching,</pre>
b. Opening Lock Function Spreadshee each opening. c. Type, style, function, size, and finisl	-		rements: nged Doors: 5 lbf applied perpendicular
 d. Name and manufacturer of each ite e. Fastenings and other pertinent infor 	m.	c. Fire Doors: Minimum open jurisdiction.	Ibf applied parallel to door at latch. ing force allowable by authorities having
	nbols, and codes contained in schedule.	3. Bevel raised thresholds with sl more than 1/2 inch high.	ope of not more than 1:2. Provide thres

cturer's representative for each

- ny electrified hardware (locks, utomatic operators, door position nits, and access control
- nclude how door will operate on nection. ware schedule concurrent with
- nd Shop Drawings. Coordinate h scheduling requirements of work that is critical in Project
- chedule listing levels of keying as key symbols used and door
- Practices for Keying Systems" approach for selecting optimal
- view prepared and detailed in Include schematic keying diagram
- yset, hardware heading number, npina instructions. s and one key system schematic
- stem schematic directly to Owner,
- sion of supplier, detailing Owner's
- hedule, provide templates for tory prepared for door hardware
- Architectural Hardware
- are, signed by manufacturer: e on types and sizes of labeled door assemblies.
- dware and installation instructions lurisdiction. tter of compliance, signed by training meeting specified in
- nce Certification: Letter of completion of electrified n "QUALITY ASSURANCE"
- ccessibility requirements, based by manufacturer and witnessed doors located in accessible
- ection.
- n accordance with Division 01 and ce. and adjustment; data on repair
- I representatives for each
- to reflect conditions as installed.
- ing connected to power, both low eference numbers for
- ents stated in Division 01 and as ed and accompanied by "No other designation, provide product ected for their unique
- urers are listed in product
- vern product selection. nized architectural hardware ce for supplying door hardware this Project and that provides lable to Owner, Architect, and
- or hardware and keying
- ata for electrified door hardware, ngineering analysis of lar to those indicated for this
- ation of electronic security and provide installation and ontractors.
- dware installation, inspect and n application of commercial grade nce for installing door hardware
- this Project. Person who is experienced in tions that are comparable in
- ject and meets these I Hardware Consultant (AHC).
- Architect and other related king order upon completion of
- ed hardware with Architect and
- oor hardware from single nanufacturer as mechanical door
- ations and that are listed by testing having jurisdiction are acceptable. esting: Listed and labeled by a aving jurisdiction, based on testing
- orida Building Codes for Exterior for fire-rated openings that having jurisdiction. Provide only
- to products tested by other testing and inspecting on for use on types and sizes of and according to NFPA 252 or
- ed door and door frame labels. smoke- and draft-control door eets requirements of assemblies with NFPA 105.
- .3 cfm/sq. ft. at tested pressure fined in NFPA 70, Article 100, by
- re than 15 lbf to release latch. dge for operation.
- loors in an accessible route, "REFERENCES" article, herein. tight grasping, pinching, or more than 5 lbf.
- bf applied perpendicular to door. allel to door at latch. ble by authorities having
- than 1:2. Provide thresholds not

4. Adjust door closer sweep periods so that, from open position of 70 degrees, door will take at least 3 seconds to move to 3 inches from latch, measured to leading edge of door.

1.2BORED LOCKS – GRADE 2, STANDARD DUTY

3. Fit modified ANSI A115.2 door preparation.

7. 1/2" inch throw latchbolt for all single doors.

2. Acceptable Manufacturers: Sargent DL series.

2. Cylinders: Refer to "KEYING" article, herein.

Provide proper latch throw for UL listing at pairs.

b. Fit modified ANSI A115.3 door preparation.

d. 2-3/4" backset, or 2 3/8" backset as needed.

f. Provide locksets with 6-pin core.

manufacturer's series as indicated.

system per "KEYING" article herein.

cylinders/cores involved at no additional cost to Owner.

following requirements in Project locations as indicated.

B. Keying Requirements – General for Commercial

b. Provide (6) Master Kevs.

c. Provide (2) Control Kevs

1. Scheduled Manufacturer: lves

B. Provide door stops at each door leaf as specified.

1. Scheduled Manufacturer: National Guard

2. Acceptable Manufacturers: lves, Rockwood

involved at no additional cost to Owner.

1.8SLIDING, BI-FOLDING DOOR HARDWARE

1. Cox, Arthur & Sons, Inc.

3. Johnson, L. E. Products, Inc.

4. Stanley Commercial Hardware.

connections before electrified door hardware installation.

2. Hager Companies.

to coordinate with frame color.

specified herein.

2. Identification: Stamp all keys with keyset symbol

a. Provide (2) operating keys per keyed core.

2. Acceptable Manufacturers: Dorma, Sargent.

A. Manufacturers and Products:

2-3/4" backset standard

A. Manufacturers and Products:

prevent lever sag.

roses on both sides.

2. Requirements:

A. Manufacturer and Product:

not include actual key cuts.

by Owner.

1.4KEYING

D. Keys

1.5DOOR STOPS

A. Manufacturers:

A. Manufacturers:

B. Requirements:

1.7DOOR VIEWERS

A. Manufacturers:

with pocket sets.

1.9FINISH

PART 2 - EXECUTION

2.1EXAMINATION

2.2PREPARATION

1.6THRESHOLDS, GASKETING

H. Replaceable Construction Cores.

. Permanent Keyed Cores:

following key system.

restricted keyway

3. Quantity of keys:

lockset warrantv.

e. 1" throw deadbolt.

Lever Design: "T", Tempo.

b. Rose Design: Standard.

1. Manufacturers and Products:

5. Latch Faceplate 1 1/8" x 2 1/4".

6. ANSI Strike 1 1/4" x 4 7/8" standard.

9. Lever Design: "M" Summit Lever.

1.1TUBULAR LOCKS - GRADE 2, STANDARD DUTY

B. Requirements

B. Requirements

1.2DEADBOLT LOCKS

1.3CYLINDERS

A. Cylindrical Deadbolt

Grade 2.

- . Keying Conference: Conduct conference at Project site to comply with requirements in Division 01. 1. Attendees: Owner, Contractor, Architect, Installer, and Supplier's Architectural
- Hardware Consultant. 2. Incorporate keying conference decisions into final keying schedule after
- reviewing door hardware keying system including:
- a. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
- b. Preliminary key system schematic diagram. c. Requirements for key control system.
- d. Requirements for access control.
- e. Address for delivery of keys.
- A. Pre-installation Conference: Conduct conference at Project site. 1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delavs
 - 2. Inspect and discuss preparatory work performed by other trades.
 - 3. Inspect and discuss electrical roughing-in for electrified door hardware.
- 4. Review sequence of operation for each type of electrified door hardware.
- 5. Review required testing, inspecting, and certifying procedures. B. Coordination Conferences:
- 1. Installation Coordination Conference: Prior to hardware installation, schedule and hold meeting to review questions or concerns related to proper installation and adjustment of door hardware.
- 2. Electrified Hardware Coordination Conference: Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.
- 1.2DELIVERY, STORAGE, AND HANDLING A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered
- to Project site. B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary
- fasteners with each item or package. 1. Deliver each article of hardware in manufacturer's original packaging. C. Project Conditions:
- 1. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods. 2. Provide secure lock-up for door hardware delivered to Project, but not yet installed. Control handling and installation of hardware items so that completion of
- Work will not be delayed by hardware losses both before and after installation. D. Protection and Damage:
- 1. Promptly replace products damaged during shipping. 2. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work.
- 3. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- E. Deliver keys to manufacturer of key control system for subsequent delivery to Owner. F. Deliver keys and permanent cores to Owner by registered mail, overnight package service or hand delivery with signed receipt. 1.3COORDINATION
- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete. Concrete, reinforcement, and formwork requirements are specified in Division 03.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems. E. Existing Openings: Where hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide proper door operation.
- F. Direct shipments not permitted, unless approved by Contractor. 1.4WARRANTY
- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
- 1. Warranty Period: Years from date of Substantial Completion, for durations
- indicated a. Locksets:
- 1) Mechanical: 3 years. 2. Warranty does not cover damage or faulty operation due to improper
- installation, improper use or abuse 1.5MAINTENANCE
- A. Maintenance Tools:
- 1. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders. PART 2 - PRODUCTS
- 2.1MANUFACTURERS
- A. The Owner requires use of certain products for their unique characteristics and particular project suitability to ensure continuity of existing and future performance and maintenance standards. After investigating available product offerings Awarding Authority has elected to prepare proprietary specifications. B. Approval of manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product
- category shall be in accordance with QUALITY ASSURANCE article, herein. C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- D. Hand of Door: Drawings show direction of slide, swing, or hand of each door leaf. Furnish each item of hardware for proper installation and operation of door movement as
- E. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.
- 2.2MATERIALS A. Fasteners
 - 1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation. 2. Furnish screws for installation with each hardware item. Finish exposed
 - (exposed under any condition) screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
 - 3. Provide concealed fasteners for hardware units exposed when door is closed except when no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite
- face is exposed in other work unless thru-bolts are required to fasten hardware securely. Review door specification and advise Architect if thru-bolts are required. 4. Install hardware with fasteners provided by hardware manufacturer. 1.1HINGES
- A. Provide Five-knuckle, Ball Bearing hinges.
- 1. Manufacturers and Products: a. Scheduled Manufacturer and Product: Stanley FBB/CB series
 - b. Acceptable Manufacturer: lves 5BB series, McKinney TA series, Hager BB series.
- B. Requirements, unless otherwise specified:
 - 1. 1-3/4" thick doors, up to and including 36 inches wide: a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inch high. b. Interior: Standard weight, steel, 4-1/2 inch high.
 - 2. 1-3/4" thick doors over 36 inches wide:
 - a. Exterior: Heavy weight, bronze/stainless steel, 5 inch high. b. Interior: Heavy weight, steel, 5 inch high.
 - 3. 2" or thicker doors:

a. Steel Hinges: Steel pins.

degree of opening.

D. Non-Ferrous Hinges: Stainless steel pins.

e. Interior Non-lockable Doors: Non-rising pins.

c. Out-Swinging Exterior Doors: Non-removable pins.

d. Out-Swinging Interior Lockable Doors: Non-removable pins.

furnish hinges 5" high, heavy weight or standard weight as specified.

9. Provide exterior hinges with additional corrosion resistant coating.

- a. Exterior: Heavy weight, bronze or stainless steel, 5 inch high.
- b. Interior: Heavy weight, steel, 5 inch high.
- 4. Provide three hinges per door leaf for doors 90 inches or less in height, and one additional hinge for each 30 inches of additional door height. 5. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing

6. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:

7. Width of hinges: 4-1/2" at 1-3/4" thick doors, and 5" at 2" or thicker doors.

Adjust hinge width as required for door, frame, and wall conditions to allow proper

8. Doors 36" wide or less furnish hinges 4-1/2" high; doors greater than 36" wide

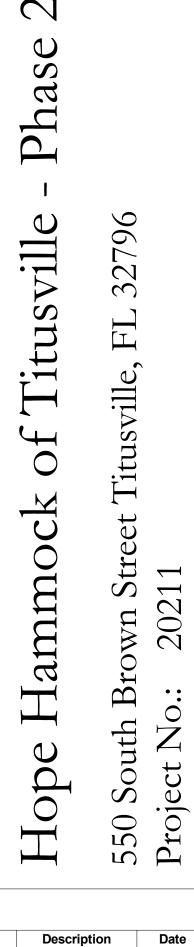
2. Field modify and prepare existing door and frame for new hardware being 3. When modifications are exposed to view, use concealed fasteners, when 1. Scheduled Manufacturers and Products: Stanley Commercial QCL200 Series. 2. Acceptable Manufacturers: Dorma CL700 Series, Sargent 10 Line series. possible 4. Prepare hardware locations and reinstall in accordance with installation 1. Certified by BHMA for ANSI A156.2 Series Grade 2, UL10C listed. requirements for new door hardware and with: a. Steel Doors and Frames: For surface applied door hardware, drill and tap 2. ANSI A117.1 Accessibility Code (ADA Compliant). doors and frames according to ANSI/SDI A250.6. b. Wood Doors: DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors." c. Doors in rated assemblies: NFPA 80 for restrictions on on-site door hardware preparation. 8. Function and design as indicated in the hardware groups. 1.1INSTALLATION A. Mounting Heights: Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations. 1. Standard Steel Doors and Frames: ANSI/SDI A250.8. 1. Scheduled Manufacturer and Product: Stanley QGT Series. 2. Custom Steel Doors and Frames: HMMA 831. 3. Wood Doors: DHI WDHS.3. "Recommended Locations for Architectural Hardware for Wood Flush Doors." Provide tubular lever sets conforming to ANSI/BHMA A156.2 Series 4000, B. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer. C. Do not install surface mounted items until finishes have been completed on substrate. 3. Provide locks with standard 2-3/4" backset, unless noted otherwise, with 1/2" Protect all installed hardware during painting. latch throw. Provide 2-3/8" backset where noted of if door or frame detail requires. D. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation. 4. Provide lever sets with separate anti-rotation through bolts, and no exposed E. Drill and countersink units that are not factory prepared for anchorage fasteners. screws. Provide levers that operate independently with only 36-Degree rotation Space fasteners and anchors according to industry standards. F. Install operating parts so they move freely and smoothly without binding, sticking, or maximum and have external return spring cassettes mounted under roses to excessive clearance. 5. Lever Trim: Satin Chrome (626) levers without plastic inserts, and wrought G. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated or one hinge for every 30 inches of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided. H. Lock Cylinders: Install construction cores to secure building and areas during construction period. 1. Replace construction cores with permanent cores as indicated in keying a. Scheduled Manufacturers and Products: Stanley Commercial QDB200 section. I. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, b. Acceptable Manufacturers: Dorma D800, Sargent 480 Series. and stair side of stairway doors from corridors. Closers shall not be visible in corridors, lobbies and other public spaces unless approved by Architect. a. Tested and approved by ANSI A156.5, Operational Grade 2. J. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants." c. Locksets and cores to be of the same manufacturer to maintain complete K. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard. ... Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame. M. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is 1.2ADJUSTING 1. Scheduled Manufacturer and Product: Best Standard. A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be B. Requirements: Provide cylinders/cores complying with the following requirements. adjusted to operate as intended. Adjust door control devices to compensate for final 1. Cylinders/cores compliant with ANSI/BHMA A156.5; latest revision, Section 12, operation of heating and ventilating equipment and to comply with referenced Grade 1; permanent cylinders; cylinder face finished to match lockset, accessibility requirements. 1. Spring Hinges: Adjust to achieve positive latching when door is allowed to C. Full-sized cylinders with small format interchangeable cores (SFIC), in the below-listed close freely from an open position of 30 degrees. 2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly configuration(s), distributed throughout the Project as indicated. 1. Keying: Manufacturer-keyed permanent cylinders/cores, configured into keying engage lock bolt. 3. Door Closers: Adjust sweep period to comply with accessibility requirements 2. Features: Cylinders/cores shall incorporate the following features. and requirements of authorities having jurisdiction. D. Mark permanent cylinders/cores and keys with applicable blind code per DHI B. Occupancy Adjustment: Approximately three months after date of Substantial publication "Keying Systems and Nomenclature" for identification. Blind code marks shall Completion, Installer's Architectural Hardware Consultant shall examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure Identification stamping provisions must be approved by the Architect and Owner. function of doors, door hardware, and electrified door hardware. **1.3CLEANING AND PROTECTION** F. Failure to comply with stamping requirements shall be cause for replacement of A. Clean adjacent surfaces soiled by door hardware installation. 1. Forward cylinders/cores to Owner, separately from keys, by means as directed B. Clean operating items as necessary to restore proper function and finish. C. Provide final protection and maintain conditions that ensure door hardware is without G. Project Cylinder/Core Distribution: Provide cylinders/cores complying with the damage or deterioration at time of Substantial Completion. 1.4DEMONSTRATION A. Provide training for Owner's maintenance personnel to adjust, operate, and maintain 1. Provide temporary construction cores replaceable by permanent cores. Provide door hardware and door hardware finishes. Refer to Division 01 Section "Demonstration 12 operating keys for contractor use during construction. and Training. 1.5DOOR HARDWARE SCHEDULE A. Locksets, exit devices, and other hardware items are referenced in the following 1. Contractor to replace construction cores with permanent cores as directed by Owner. Installation will be in presence of owner representative, indicating keys hardware sets for series, type and function. Refer to the above specifications for special operate locking hardware and to turn over all permanent keys. features, options, cylinders/keying, and other requirements. A. Keying System: Factory registered, complying with guidelines in Manufacturer Lis ANSI/BHMA A156.28, incorporating decisions made at keying conference. <u>Code Name</u> BYBy Others 1. Permanent cylinders/cores keyed by the manufacturer according to the IV Ives NANational Guard C. Key Features: Provide keys with the following features. SHStanley Commercial Hardware ST Stanley 1. Patent Protection: Keys and blanks protected by a special broching in SYStanley MultiFamily TRTrimco I. Material: Nickel silver; minimum thickness of .107-inch (2.3mm) **Finish List** Code Description AL Aluminum 26D Satin Chrome 603 Zinc Plated Coordinate with cylinder/core and key identification requirements above. 626 Satin Chromium Plated F. Stamp keys with Owner's unique key system facility code as established by the 626E Satin Chrome manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE". 630W Stainless Steel, Weatherized G. Failure to comply with stamping requirements shall be cause for replacement of keys US26D Chromium Plated, Dull Option List Code Description H Hurricane Compliant 2. Acceptable Manufacturers: Burns, Don-Jo, Rockwood, Trimco L4 2 3/4" Radius/Square Latch Face & Strike DBS Standard Deadbolt Strike 478S 47/8" ANSI Strike Hardware Sets 2. Acceptable Manufacturers: Pemko, Reese, Zero International 1. Provide thresholds, weatherstripping (including door sweeps, seals) and gasketing systems as specified and per architectural details. Match finish of other A. Door Viewer: 150 degree angle, one-way, solid brass body with glass lens. 1. Scheduled Manufacturer: lves U696 B, UL Listed or comparable product. B. General: BHMA A156.14; consisting of complete sets including rails, 4-wheel hangers, supports, bumpers, floor guides, and accessories indicated. Provide frames 1. Pocket Sliding Door Hardware: Rated for doors weighing 75 lb. C. Bi-Fold Door Hardware: Rated for doors weighing 50 lb. A. Designations used in Schedule of Finish Hardware - 3.7, and elsewhere to indicate hardware finishes are those listed in ANSI/BHMA A156.18 including coordination with traditional U.S. finishes shown by certain manufacturers for their products B. Powder coat door closers to match other hardware, unless otherwise noted. C. Aluminum items shall be finished to match predominant adjacent material. Gasketing A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. B. Existing Door and Frame Compatibility: Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions. C. Examine roughing-in for electrical power systems to verify actual locations of wiring

D. Proceed with installation only after unsatisfactory conditions have been corrected. A. Where on-site modification of doors and frames is required: 1. Carefully remove existing door hardware and components being reused. Clean, protect, tag, and store in accordance with storage and handling requirements

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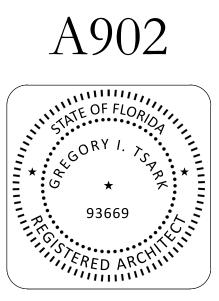
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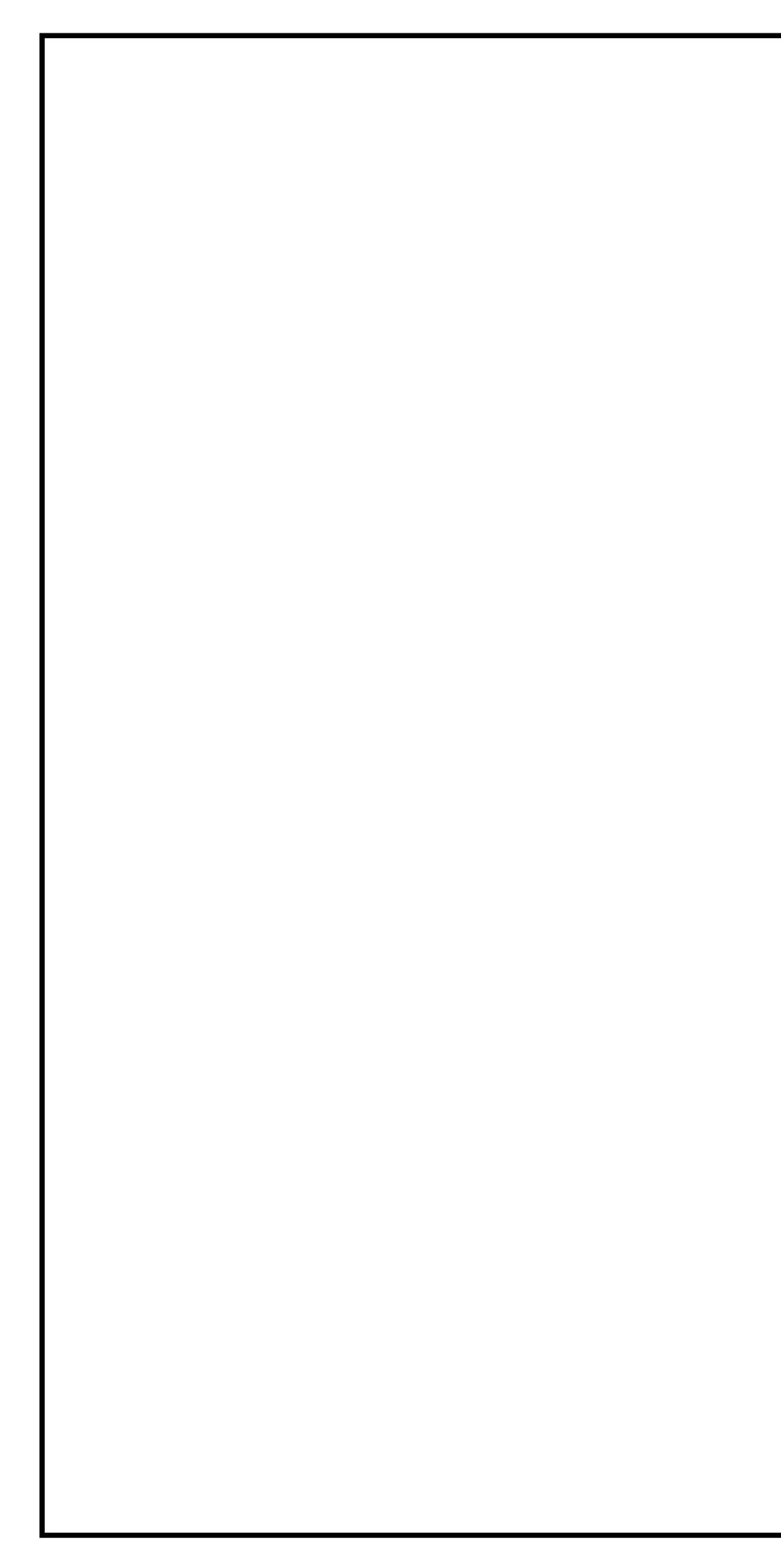


Description	Date			
	Description			

OPENING ELEVATIONS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	





SET #U-1 - Unit Entry - Front
Doors: 201, 214, 227, 240, 251, 261
 3 Hinges FBB179 4 1/2 X 4 1/2 US26D ST 1 Deadlock QDB281 BF- 6 Pin Comb DBS H 626 SH 1 Passage Set QCL230 M 478S H626 SH 1 Door Stop 63 F 626E IV 1 Viewer U 696 B 26D IV 1 Gasketing 5075 C NA 1 Door Bottom 36 EVDKB 36" NA 1 Saddle Threshold 425 SSMS/LA AL NA
SET #U-2 - Unit Entry - Rear
Doors: 213, 226, 239, 273
 3 Hinges CB191 4 1/2 X 4 1/2 NRP 630W ST 1 Deadlock QDB281 BF- 6 Pin Comb DBS H 626 SH 1 Passage Set QCL230 M 478S H626 SH 1 Crash Chain 4048 603 TR 1 Gasketing 5075 C NA 1 Door Bottom 36 EVDKB NA 1 Saddle Threshold 425 SSMS/LA AL NA
SET #U-3 - Unit Bedroom
Doors: 202, 209, 211, 215, 222, 224, 228, 235, 237, 241, 244, 248, 252, 258, 262, 269, 271
3 Hinges By Pre-hung Door Manufacturer626 BY 1 Privacy Set QGT240 T L4 626 SY 1 Door Stop 63 F 626E IV
SET #U-4 - Unit Bathroom
Doors: 206, 219, 232, 247, 255, 266
3 Hinges By Pre-hung Door Manufacturer626 BY 1 Privacy Set QGT240 T L4 626 SY 1 Door Stop 63 F 626E IV
SET #U-5 - Unit Laundry - Swing
Doors: 250, 260
3 Hinges By Pre-hung Door Manufacturer626 BY 1 Passage Set QGT230 T L4 626 SY 1 Door Stop 63 F 626E IV
SET #U-6 - Unit Laundry - Pocket
Doors: 205, 218, 231, 265
1 Pocket Door Pull 1065 626 TR 1 Pocket Door Set PD75-00-Size ST
SET #U-7 - Unit Closet Bi-Fold - Sgl
Doors: 203, 204, 207, 208, 216, 217, 220, 221, 229, 230, 233, 234, 243, 246, 254, 256, 257, 263, 264 267, 268
1 Pull 562-4 626 TR 1 Bifold Hardware Set BFC50-00-Size ST
SET #U-8 - Init Closet Bi-Fold - Dbl
Doors: 210, 212, 223, 225, 236, 238, 242, 245, 249, 253, 259, 270, 272

1 Pull 562-4 626 TR 1 Bifold Hardware Set BFC50-00-Size ST

END OF SECTION

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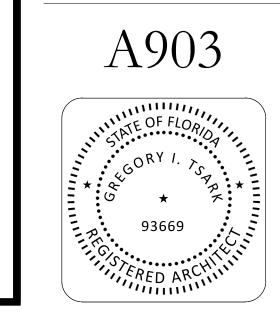
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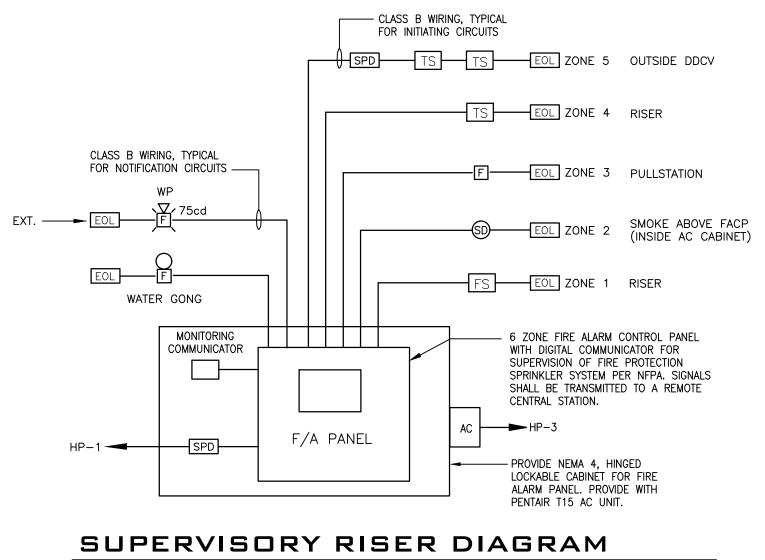
Description Date Image: Description Image: Description

OPENING DETAILS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	



PA		RATING: SERVICE				ø, 3W	I						BOTTOM RFACE				SERIE NEMA		ATED		
СКТ	DESCRIPTION	KVA	СКТ	BRKR	BRA	NCH	CI	RCUIT	ø	скт		г	DESCRIPTIO	N	KVA	СКТ	BRKR	BRA	NCH	CIF	RCUIT
	BESONI HON		POLE	TRIP	Ø	N	GND	С"	Ľ			L				POLE	TRIP	Ø	N	GND	C
1	FACP (LOCK ON)	0.2	1	20	12	12	12	3/4	a	2	SPA	RE				1	20				
3	FACP CABINET AC	0.35	1	20	12	12	12	3/4	b	4	SPA	RE				1	20				
5	RECEPT BELOW PANEL	0.18	1	20	12	12	12	3/4	a	6	SPA	RE				1	20				
7	SPACE								b	8	SPA	CE									
9									a	10											
11									b	12											
13									a	14											
15									b	16											
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		CON	INECT	ED LO	DAD	(KVA)) ØA			øВ											
	EQUIPMENT SERVE	D		CON	INECT	ED L	.OAD	LF		DF	[DEMA	ND LOAD	REMARK							
LIC	GHTING				0	.0				1.25			0.0	– PRO	DVIDE 1 DVIDE 1						
MIS	SC. EQUIPMENT				0	.2				1.0			0.2			.2011					
RE	CEPTS (10KVA PLUS 50%	REST)			0.	18						C).18								
ΗV	AC EQUIPMENT				0.	35				1.0		C).35								
								TC	TAL	KVA	:	C).73								
									A	AMPS	:		3.1								

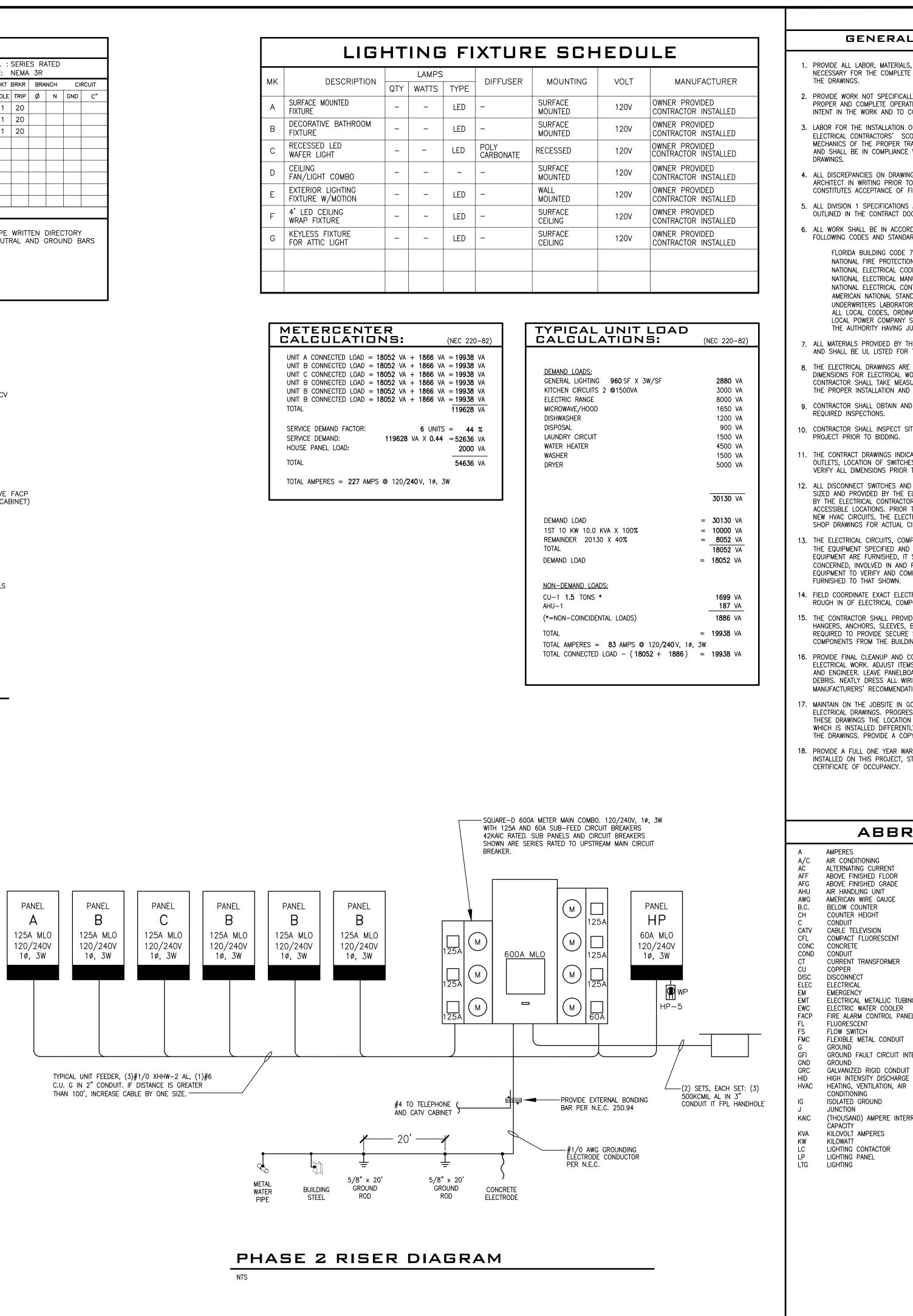


FIRE ALARM REQUIREMENTS

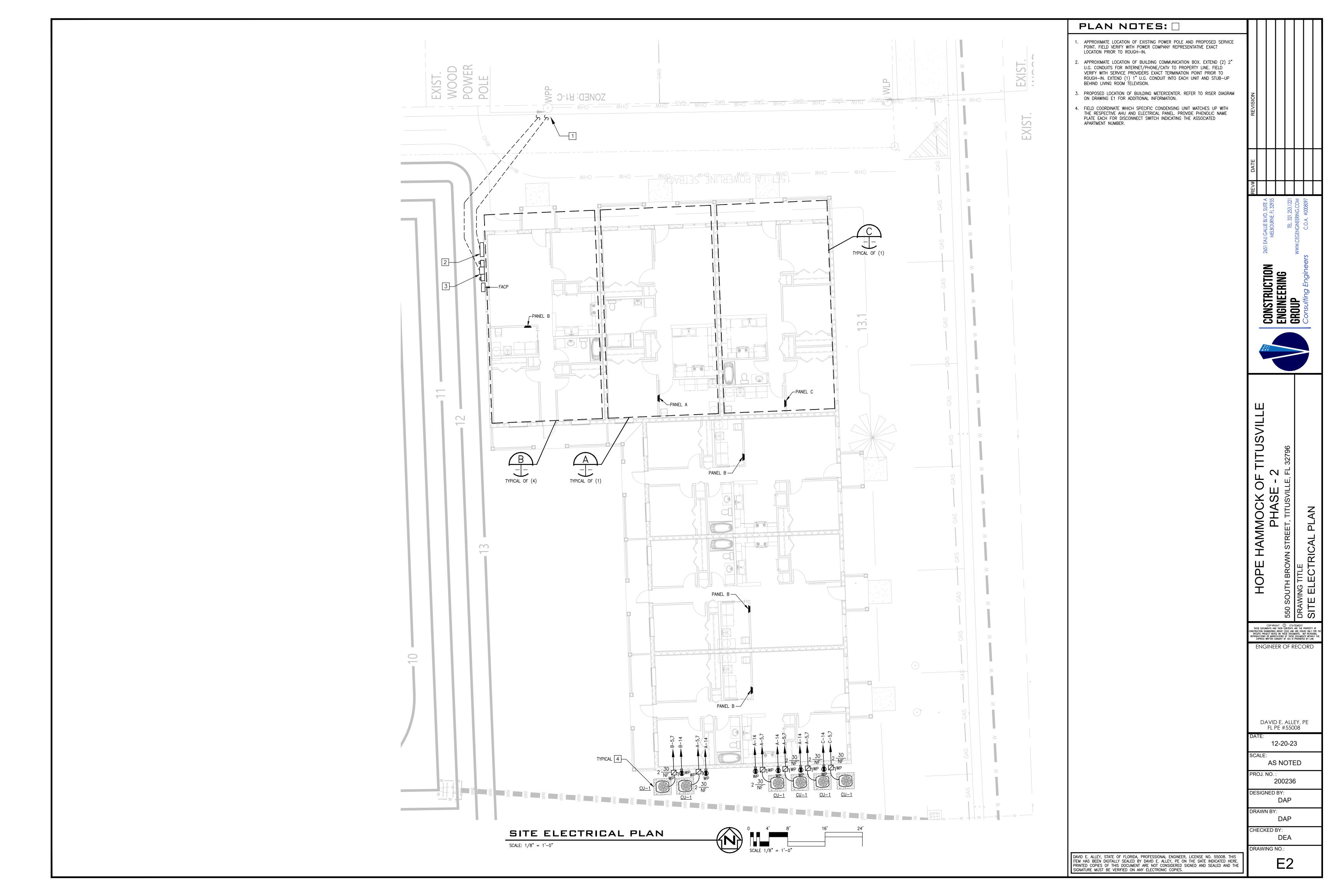
- PROVIDE A COMPLETE AND OPERATIONAL FIRE ALARM SUPERVISORY SYSTEM WHICH SHALL BE PROVIDED, INSTALLED AND TESTED TO MEET OR EXCEED THE REQUIREMENTS LISTED UNDER THE NEC, NFPA, LIFE SAFETY CODE, ALL LOCAL CODES AS NEEDED TO SUPERVISE THE SPRINKLER SYSTEM.
- 2. SUBMIT SHOP DRAWINGS FOR APPROVAL TO THE ARCHITECT/ENGINEER AND THE AHJ. SHOP DRAWINGS TO INDICATE IN DETAIL ALL WIRING REQUIREMENTS INCLUDING CONDUCTOR TYPES, SIZES AND NUMBER, DEVICE LOCATIONS, DETAILED BATTERY CALCULATIONS, SIGNAL CIRCUIT LOAD, LINE LOSS\VOLTAGE DROP CALCULATIONS, SYMBOL LIST INDICATING PART NUMBERS, CANDELA RATINGS, ADDRESSABLE DEVICE NUMBERING, ETC. INCLUDE RISER DIAGRAM THAT IS FULLY COORDINATED WITH THE PLANS. REFER TO FL STATUTES 61G15-32 FOR ADDITIONAL REQUIREMENTS.
- 3. ALL FIRE ALARM WORK SHALL BE PERFORMED BY A STATE LICENSED CERTIFIED FIRE ALARM CONTRACTOR.
- 4. FACP SHALL PERFORM ALL REQUIRED INITIATION AND NOTIFICATION. AND MONITOR FLOW AND TAMPER SWITCHES AS REQUIRED. PROVIDE PANEL WITH WIRELESS RADIO, MESH NETWORK OR CELLULAR TRANSMITTER FOR MONITORING PER NFPA 72.
- 5. PROVIDE SURGE PROTECTION FOR POWER CIRCUIT AND ALL CIRCUITS ENTERING BUILDING.
- 6. ALL NOTIFICATION APPLIANCES SHALL BE HAVE FIELD SELECTABLE CANDELA RATINGS AND HIGH AND LOW HORN OUTPUTS.
- 7. MINIMUM CONDUIT SIZE FOR FIRE ALARM SYSTEM SHALL BE 3/4".
- 8. REFER TO FIRE PROTECTION SHOP DRAWINGS FOR ACTUAL LOCATIONS OF ALL FLOW AND TAMPER SWITCHES, INCLUDING THOSE LOCATED OUTSIDE THE BUILDING. FIELD VERIFY LOCATIONS PRIOR TO ROUGHIN OF DEVICES.
- 9. ALL DEVICES INSTALLED IN WET OR DAMP LOCATIONS SHALL BE WEATHERPROOF. ALL WIRING IN THESE LOCATIONS SHALL BE LISTED FOR SUCH USE.
- 10. ALL INITIATING DEVICE CIRCUITS SHALL BE CLASS B. ALL NOTIFICATION CIRCUITS SHALL BE CLASS B. ALL SIGNALING LINE CIRCUITS SHALL BE CLASS B. SURVIVABILITY LEVEL 0.
- 11. FIRE ALARM CONTRACTOR SHALL SUBMIT OPERATIONS AND MAINTENANCE PROCEDURES, MANUALS, SYSTEM DOCUMENTS, INSTRUCTIONS TO OWNER'S PERSONNEL WITH PROJECT CLOSEOUT DOCUMENTS.

FIRE ALARM SYMBOLS

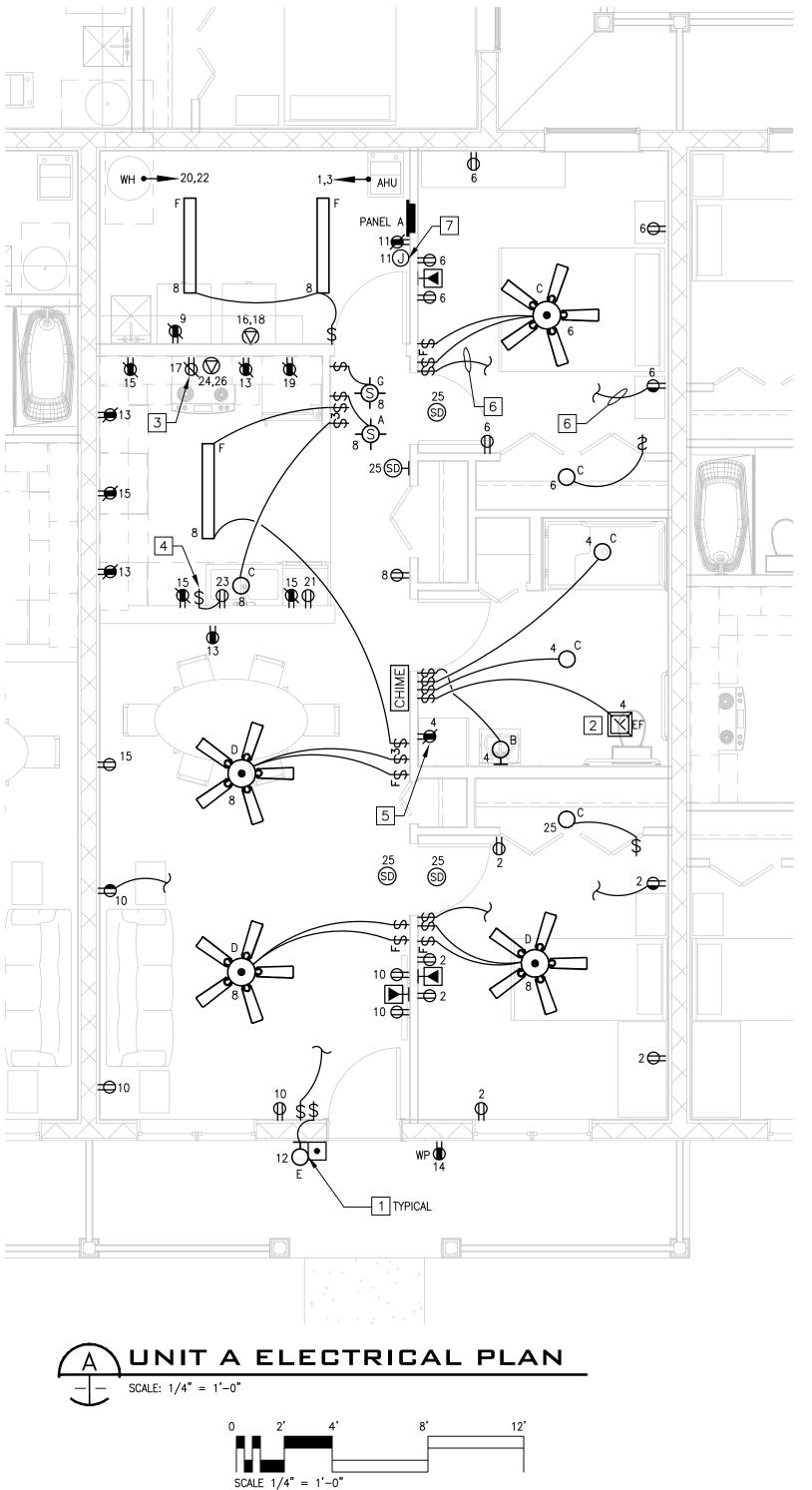
SD PHOTOELECTRIC SMOKE DETECTOR. ÌFÍ STROBE DEVICE. MOUNT AT 80" AFF, UON. ÌFÍ∕. HORN/STROBE DEVICE. MOUNT AT 80" AFF, UON. F MANUAL PULL STATION. MOUNT TOP OF DEVICE LESS THAN 46" AFF. FACP FIRE ALARM CONTROL PANEL TS TAMPER SWITCH FS FLOW SWITCH SURGE PROTECTION DEVICE SPD WATER GONG

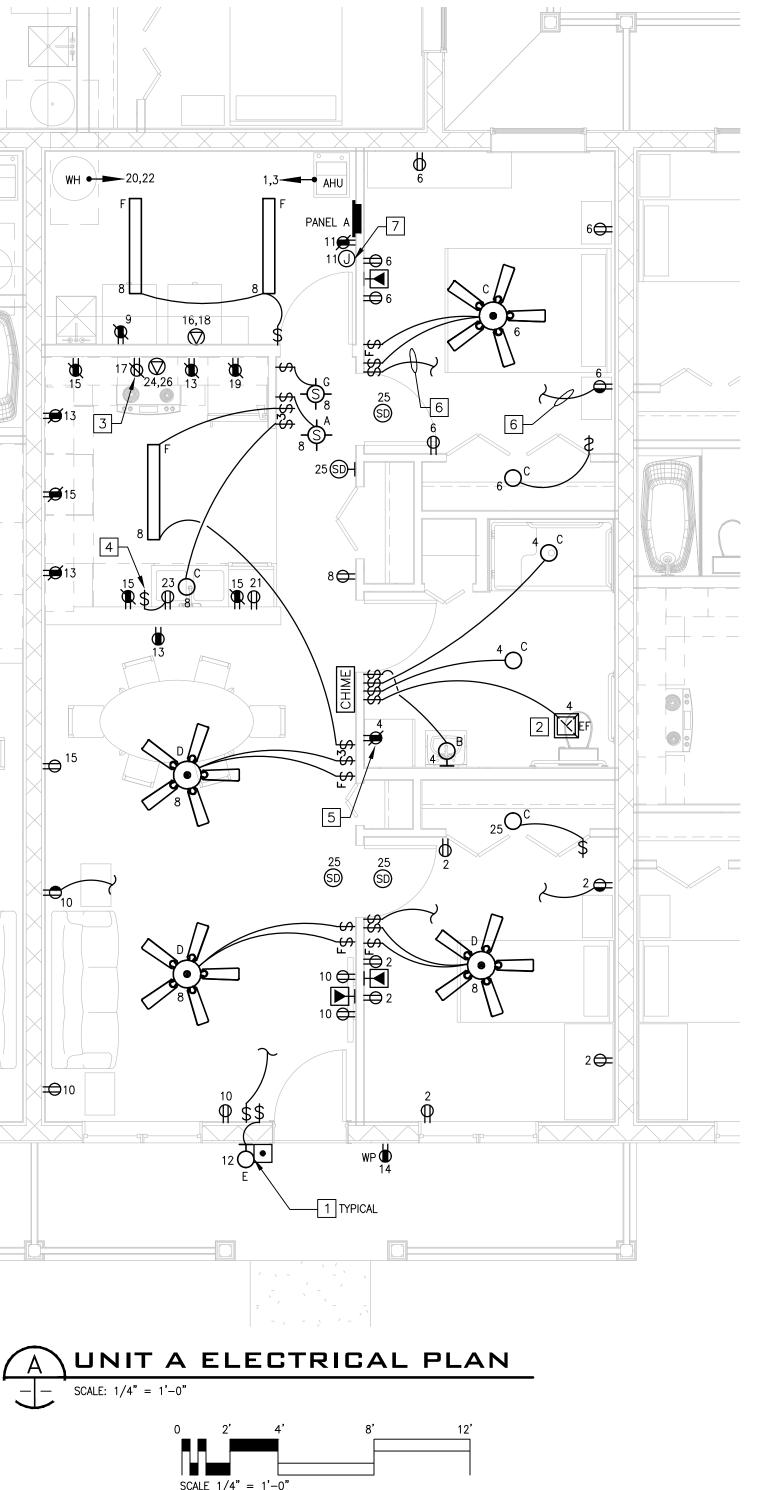


AL REQUIREMENTS ALS, EQUIPMENT, AND TOOLS TO PERFORM ALL WORK ETE EXECUTION OF THE ELECTRICAL WORK AS SHOWN ON CALLY SHOWN OR SPECIFIED, YET REQUIRED TO INSURE RATIONS OF ALL SYSTEMS AND TO SATISFY THE DESIGN COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. N OF MATERIALS AND EQUIPMENT FURNISHED UNDER THE SCOPE OF WORK SHALL BE PERFORMED BY EXPERIENCED TRADE AND ALL WORKMANSHIP SHALL BE FIRST CLASS CE WITH THE SPECIFIC REQUIREMENTS OF THE CONTRACT WINGS SHALL BE BROUGHT TO THE ATTENTION OF THE TO SUBMISSION OF BIDS. SUBMISSION OF A BID F FIELD CONDITIONS. NS AND ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS DOCUMENTS SHALL APPLY TO ELECTRICAL SYSTEMS. CORDANCE WITH THE LATEST ADOPTED EDITION OF THE DATES: E 7TH ADDITION TION ASSOCIATION, (NFPA) CODE, 2017 (NEC) MANUFACTURERS ASSOCIATION, (NECA) TANDARDS INSTITUTE, (ANSI) TORIES, (UL) DINANCES, REQULATIONS Y STANDARDS S JURISDICTION. THE CONTRACTOR SHALL BE NEW AND FREE OF DEFECTS OR THE INTENDED APPLICATION. WE NOT TO BE SCALED. WHERE SPECIFIC DETAILS AND WORK ARE NOT SHOWN ON THE DRAWINGS, THE ASUREMENTS AND MAKE LAYOUTS AS REQUIRED FOR FOR NO COMPLETION OF THE WORK. AND FURNISH ALL PERMITS, AND ARRANGE FOR ALL	 GENERAL NOTES UNIT SMOKE DETECTORS SHALL BE 120V AC WITH BATTERY BACK UP AND SHALL BE LOCATED 3 FEET MIN. AWAY FROM SUPPLY DIFFUSERS, TYPICAL FOR ALL UNITS. INTERLOCK WITH EACH OTHER AS REQUIRED FOR COMMON NOTIFICATION. (MULTIFAMILY RATED). OUTLET LOCATIONS SHOWN ARE GENERAL IN NATURE. CONTRACTOR SHALL ADJUST QUANTITY AND LOCATIONS AS REQUIRED FOR FIELD CONDITIONS IN ORDER TO MEET NEC SPACING REQUIREMENTS. ALL SWITCHES AND RECEPTACLES SHALL BE RESIDENTIAL STYLE, WHITE IN COLOR WITH MATCHING FACEPLATES. UNLESS OTHERWISE NOTED. WHERE BATHROOM RECEPTACLES ARE INSTALLED "WITHIN" MIRROR, PROVIDE MATCHING MIRRORED FACEPLATE. PROVIDE STAINLESS STEEL FACEPLATES AND GRAY RECPTACLES FOR RECEPTACLES INSTALLED ABOVE COOKTOP BACKSLASH. SUBMIT SAMPLE TO ARCHIECT FOR APPROVAL PRIOR TO CONSTRUCTION OF UNIT. RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT. CAREFULLY REVIEW ALL BUILDING ELEVATIONS AND WINDOW TYPES WITH FLOOR PLANS TO DETERMINE IF ANY PERIMETER RECEPTACLES ARE REQUIRED TO BE RECESSED FLOOR MOUNTED INSTEAD OF WALL MOUNTED. PROVIDE HACR RATED CIRCUIT BREAKERS FOR HVAC EQUIPMENT, COORDINATE WITH MANUFACTURERS EQUIPMENT NAMEPLATE PRIOR TO ORDERING. COORDINATE WIRE SIZES AND CIRCUIT BREAKERS FOR ALL APPLIANCES AND A/C EQUIPMENT TO BE PROVIDED PRIOR TO ORDERING. COORDINATE WIRE SIZES AND CIRCUIT BREAKERS FOR ALL APPLIANCES AND A/C EQUIPMENT TO BE PROVIDED PRIOR TO ORDERING. DRYER AND RANGE RECEPTACLES SHALL BE 240V, 3-WIRE PLUS GROUND. DRAWINGS AND SPECIFICATIONS ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. REVIEW THE GENERAL NOTES. SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATION AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT	CTION CTION2651 EAU GALIE BLVD, SUITE MELBOURNE, FL 32735REV#DATEREVISIONICTION MELBOURNE, FL 327352651 EAU GALIE BLVD, SUITE MELBOURNE, FL 327355EO CONEO CONRING MOW.CEGENGINEERING.COMTEL. 321.253.121EO CONEO CONIndicate CO.A. #000807CO.A. #000807EO CONEO CON
SITE FOR FIELD VERIFICATION OF ALL ASPECTS OF THE DICATE THE GENERAL ARRANGEMENT OF CIRCUITS AND CHES, PANELBOARDS, CONDUITS, AND OTHER WORK. FIELD OR TO INSTALLATION OF WORK. AND STARTERS FOR THE MECHANICAL EQUIPMENT SHALL BE E ELECTRICAL CONTRACTOR AND INSTALLED AND CIRCUITED TOR, UNLESS OTHERWISE NOTED. INSTALL SWITCHES IN OR TO INSTALLATION OF ANY ELECTRICAL WORK RELATED TO ECTRICAL CONTRACTOR SHALL REVIEW THE MECHANICAL . (IRCUIT REQUIREMENTS. OMPONENTS, AND CONTROLS ARE SELECTED AND SIZED FOR ND OR SHOWN. IF SUBSTITUTIONS AND/OR EQUIVALENT IT SHALL BE THE RESPONSIBILITIES OF ALL PARTIES ID FURNISHING THE SUBSTITUTE AND/OR EQUIVALENT COMPARE THE ELECTRICAL CHARACTERISTICS OF THAT ECTRICAL CONNECTION POINTS TO EQUIPMENT PRIOR TO DWPONENTS. SUDE ALL CHANNEL AND ANGLE SUPPORTING SYSTEMS, S, BRACKETS, FABRICATED ITEMS, AND HARDWARE AS RE SUPPORT, PER N.E.C., FOR ALL ELECTRICAL LDING STRUCTURE. O CONDUCT FIELD TESTS AFTER INSTALLATION OF ALL TEMS TO THE SATISFACTION OF THE OWNER, ARCHITECT, BOARD INTERIOR CLEAN AND FREE FROM CONSTRUCTION WIRING, AND RE-TIGHTEN ALL TERMINATIONS PER DATIONS. 1 GOOD CONDITION ONE SET OF UP TO DATE AS-BUILT RESSIVELY, NEATLY, LEGIBLY AND EXACTLY RECORD ON ION OF ALL CONCEALED CONDUIT RUNS AND ALL WORK INTLY THAN IN THE LOCATION AND MANNER INDICATED ON COPY OF THESE PLANS FOR THE OWNER. WARRANTY ON ALL ELECTRICAL LABOR, AND MATERIALS , STARTING FROM THE ISSUANCE OF THE OWNERS	 SUBMITALS, NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. 12. ALL 125V, SINGLE-PHASE, 20-AMPERE RECEPTACLES SERVING KITCHEN COUNTERS, DISHWASHER, BAITHROOM AND OUTDOOR RECEPTACLES SHALL BE GFCI PROTECTED PER NEC ARTICLE 210.8. 13. ALL GFCI PROTECTED CIRCUITS SHALL HAVE INDIVIDUAL AND DEDICATED NEUTRALS. 14. ROOM NAMES SHOWN IN PANELBOARD SCHEDULES ARE PER ARCHITECTURAL FLOOR PLANS, CONTRACTOR SHALL PROVIDE FINALIZED PANELBOARD SCHEDULES AT COMPLETION OF PROJECT INDICATING ROOM NAMES PER BRANCH CIRCUIT INSTALLED. 15. ALL 125V 15A AND 20A RECEPTACLES INSTALLED DWELLING UNITS SHALL BE LISTED TAMPER RESISTANT PER NEC 406.12. 16. THE ELECTRICAL CONTRACTOR SHALL FOLLOW THE NEC RECEPTACLE SPACING REQUIREMENTS OF THE NEC AND ADJUST AS REQUIRED BASED ON ACTUAL FIELD CONDITIONS. 17. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONED LOCATIONS OF ALL LIGHTING FIXTURES. 18. ALL MOUNTING HEIGHTS OF DEVICES AND SWITCHES SHALL COMPLY WITH TEH FAIR HOUSING ACT. 	MMOCK OF TITUSVILLE PHASE - 2 Reet, TITUSVILLE, FL 32796 S, RISER AND SCHEDULES
REVIATIONS: MH METAL HALIDE MCM THOUSANDS OF CIRCULAR MILS N NEUTRAL NA NOT APPLICABLE N.C. NORMALLY CLOSED NEC NATIONAL ELECTRICAL CODE NF NON-FUSED NL NIGHT LIGHT NO NUMBER NEMA NATIONAL FIRE PROTECTION ASSOCIATION N.O. NORMALLY OPEN O.C. ON CENTER OH OVERHEAD P POLE PC PHOTOCELL PNL PANELBOARD PP POWER PANEL BING PVC POLYNIN'L CHLORIDE S RM ROOM ANEL RCPT RECEPTACLE SN SOLID NEUTRAL SPEC SPECIFICATION T SS STAINLESS STEEL SQ SQUARE INTERRUPTER SWITCH UT TTB TELEPHONE TERMINAL BOARD GE TYP TYPICAL IR TF TRANSFORMER UC UNDER COUNTER UG UNDERS ONTED IUR TF TRANSFORMER UG UNDERS ONTED UNDERS ONTED IUR WE WP WEATHERPROOF Y WYE (CONNECTED)	 MATERIALS AND METHIDS ALL WRE SHALL BE COPPER TYPE "THHN/THWN," SOLID FOR SIZES #12 AND #14, AND SIRRNDED FOR #10 AND LARGER UNLESS OTHERWISE NOTED. MINIMUM WIRE SIZE SHALL BE #14 AWG IN LOCATIONS ALLOWED BY THE NEC. ALL CONDUITS INSTALLED IN EXTERIOR LOCATIONS SHALL BE RIGID SCH.40 PVC. ALL CONDUITS INSTALLED LIN EXTERIOR LOCATIONS SHALL BE RIGID SCH.40 PVC. ALL CONDUITS INSTALLED LIN EXTERIOR LOCATIONS SHALL BE RIGID SCH.40 PVC. ALL CONDUITS INSTALLED LIN EXTERIOR THALL BE CONFECTED WITH LIQUID TIGHT FLEXIBLE METAL CONDUITS INSTALLED LIN EXTERIOR SHALL BE RIGID SCH.40 PVC. ALL CONDUITS INSTALLED LIN EXTERIOR SHALL BE RIGID SCH.40 PVC. ALL CONDUITS INSTALLED LIN EXTERIOR SHALL BE RIGID SCH.40 PVC. ALL CONDUITS AND WEATHERPROOF FITTINGS. INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS. OUTLET AND SWITCH BOXES SHALL BE STEEL IN DRY LOCATIONS AND CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND CON SPECIAL CONSTRUCTION TO SUIT SPECIFIC SITUATIONS. ALL BOXES SHALL BE RECESSED FLUSH IN WALLS AND/OR CONCEALED ABOVE CELLINGS. PROVIDE ACCESSED FLUSH FOR BOXES LOCATED IN NON-READILY ACCESSIBLE AREAS. INSTALL COMPONENTS AND EQUIPMENT TO PROVIDE MAXIMUM POSSIBLE HEADROOM WHERE MOUNTING HEIGHTS OR OTHER LOCATION CRITERIA ARE NOT INDICATED. MAINTAIN ALL WORKING CLEARANCES AROUND EQUIPMENT AS REQUIRED BY THE N.E.C. INSTALLED PANELBOARDS WITH TOP OF TRIM AT 6'-6" ABOVE FINISHED FLOOR. ALL BRANCH AND FEEDER CIRCUITS SHALL CONTAIN A GROUNDING CONDUCTOR, UNLESS OTHERWISES NOTED, AND BE SIZED AND BOONED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE. ALL GROUNDING CONDUCTORS SHALL BE COPPER, U.O.N. FIRE SEAL ALL PENETRATIONS IN FIRE RATED AND FLOORS BACK TO INITIAL RATING. PLASH ALL CONDUIT ROOP PENETRATIONS AS REQUIRED TO PROVIDE WEATHERPROOF SSALS. COORDINATE WITH OTHER TRADES AND ROOFING CONTACTOR. ALL PENETRATIONS IN ARCORDANCE TO SECTION 733 OF THE FROED. ALL WIRING DEVICES SHALL BE RESIDENTIAL GRADE AND MANUF	Y IS IS IOGNUS IS IS IOGNUS IS IS IS IOGNUS IS IS IS IS IOGNUS IS IS IS IS IS IS IS IS <t< td=""></t<>
	DAVID E. ALLEY, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 55008. THIS ITEM HAS BEEN DIGITALLY SEALED BY DAVID E. ALLEY, PE ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DRAWING NO.: E1

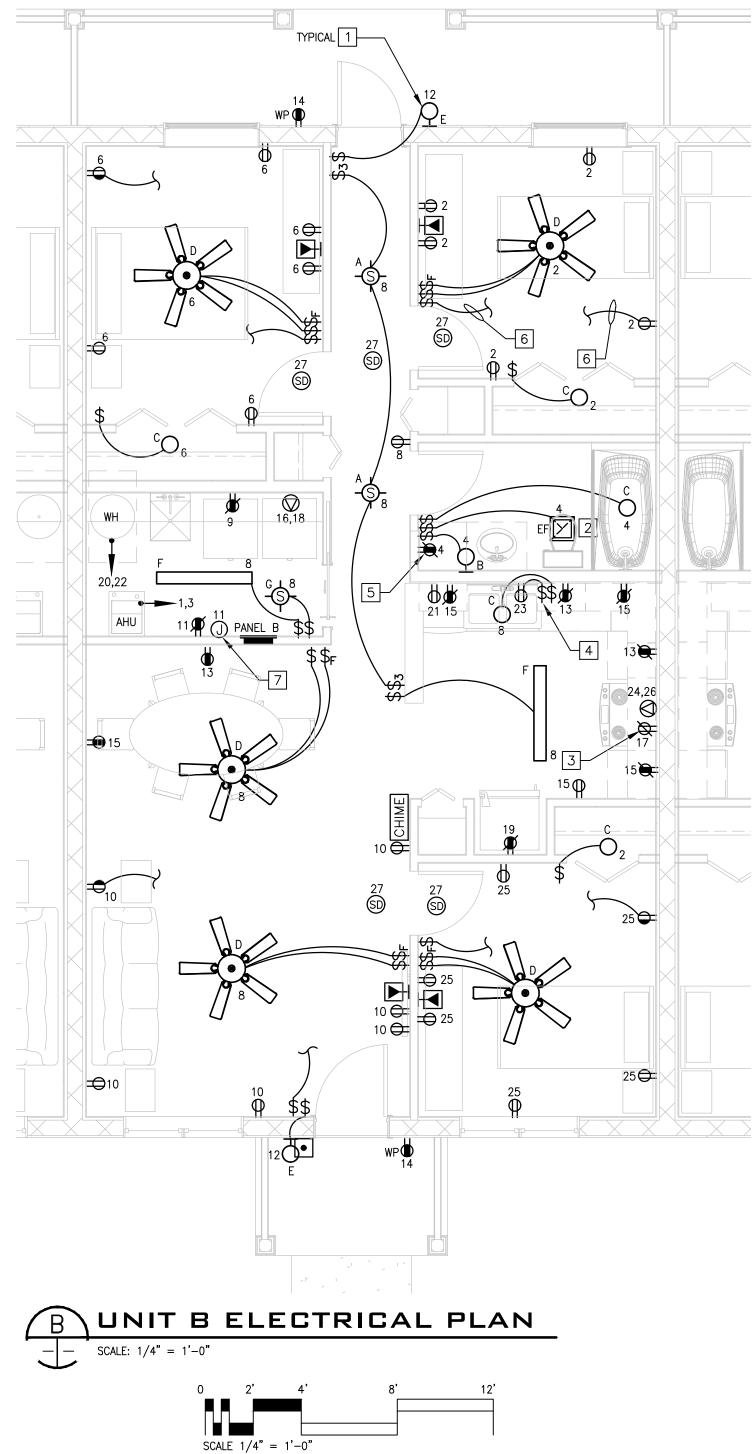


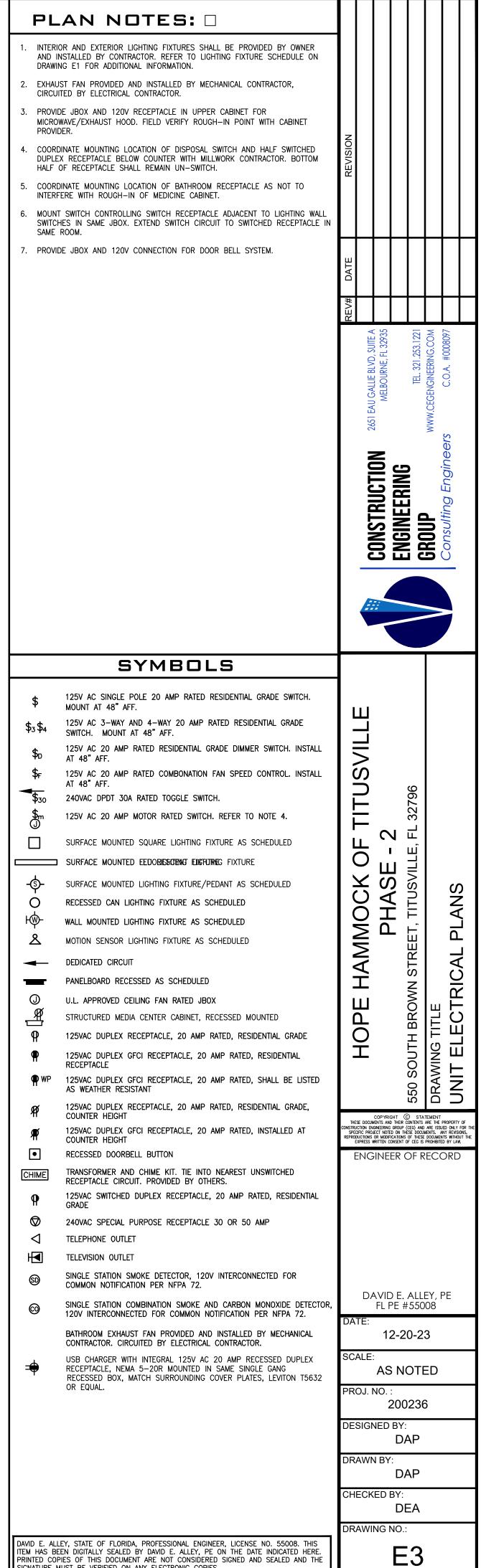
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5	CU		_	2	20	10	_	10	3/4	a	6	REC/LTG-BEDRM 2	#	_	1	15	14	14	14	*
7						10				b	8	LTG LIVING/KITCHEN	#	_	1	15	14	14	14	*
9	WASHER	#	_	1	20	12	12	12	*	a	10	REC-LIVING RM	#	-	1	15	14	14	14	*
11	LAUNDRY	#	-	1	20	12	12	12	*	b	12	LTG EXTERIOR	#	-	1	20	12	12	12	*
13	RECEPTS-KITCHEN CNTR	#	_	1	20	12	12	12	*	a	14	REC EXTERIOR	#	_	1	20	12	12	12	*
15	RECEPTS-KITCHEN CNTR	#	_	1	20	12	12	12	*	b	16	DRYER		_	2	30	10	-	10	*
17	MICROWAVE/HOOD	#	-	1	20	12	12	12	*	a	18						10			
19	REFRIGERATOR	#	-	1	20	12	12	12	*	b	20	EWH		-	2	30	10	-	10	*
21	DISHWASHER (GFCI)	#	-	1	20	12	12	12	*	a	22						10			
23	DISPOSAL	#	_	1	20	12	12	12	*	b	24	RANGE		_	2	50	6	6	10	*
25	SMOKE DETECTORS	#	_	1	15	14	14	14	*	a	26						6			
27	SPACE									b	28	SPARE	#		1	15				
29	SPACE									a	30	SPARE	#		1	15				





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9	WASHER	#	-	1	20	12	12	12	*	a	10	REC-LIVING RM #	-	1	15	14	14	14	*
11	LAUNDRY	#	-	1	20	12	12	12	*	b	12	LTG EXTERIOR	-	1	20	12	12	12	*
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15	RECEPTS-KITCHEN CNTR	#	-	1	20	12	12	12	*	b	16	DRYER	-	2	30	10	-	10	*
17	MICROWAVE/HOOD	#	-	1	20	12	12	12	*	a	18					10			
19	REFRIGERATOR	#	-	1	20	12	12	12	*	b	20	EWH	-	2	30	10	-	10	*
21	DISHWASHER (GFCI)	#	-	1	20	12	12	12	*	a	22					10			
23	DISPOSAL	#	-	1	20	12	12	12	*	b	24	RANGE	-	2	50	6	6	10	*
25	REC/LTG-BEDRM 3	#	-	1	20	12	12	12	*	a	26					6			
27	SMOKE DETECTORS	#	-	1	20	12	12	12	*	b	28	SPARE		1	15				
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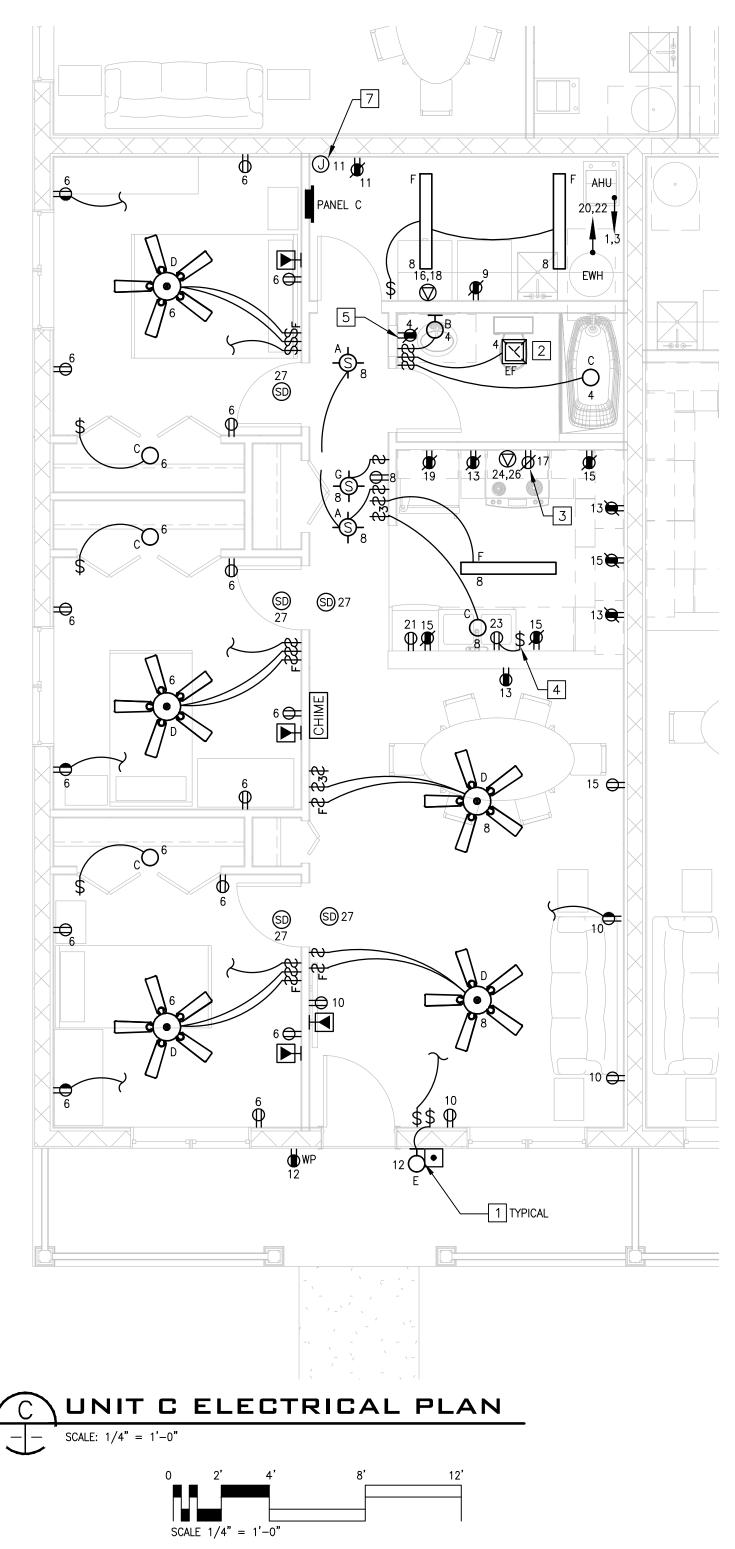


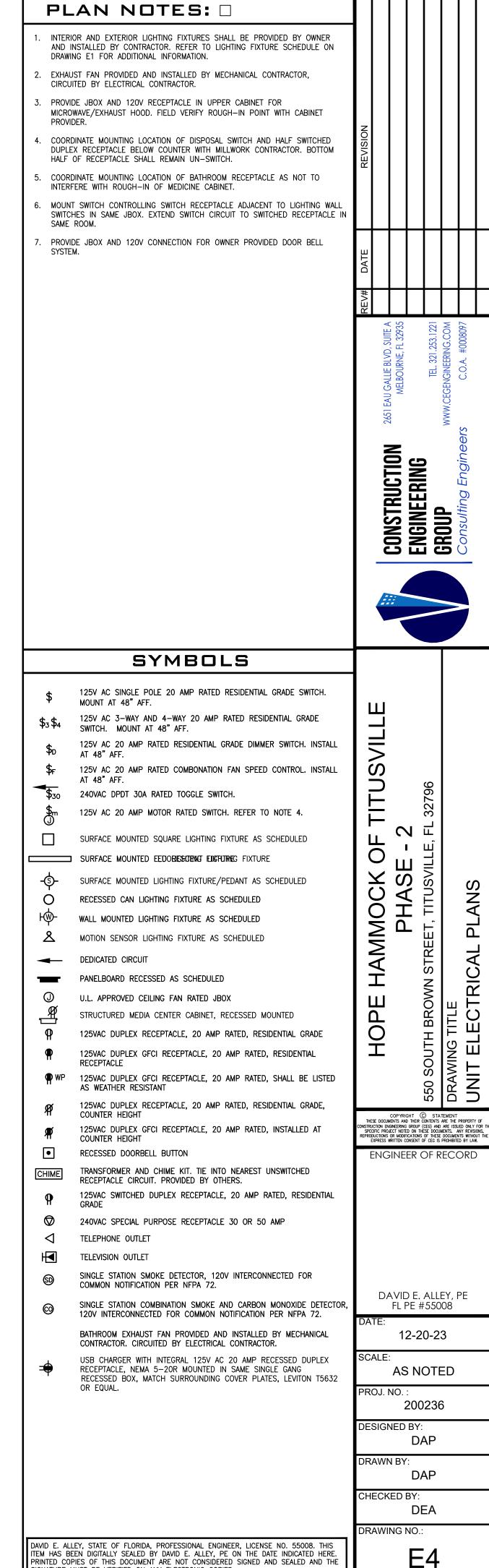


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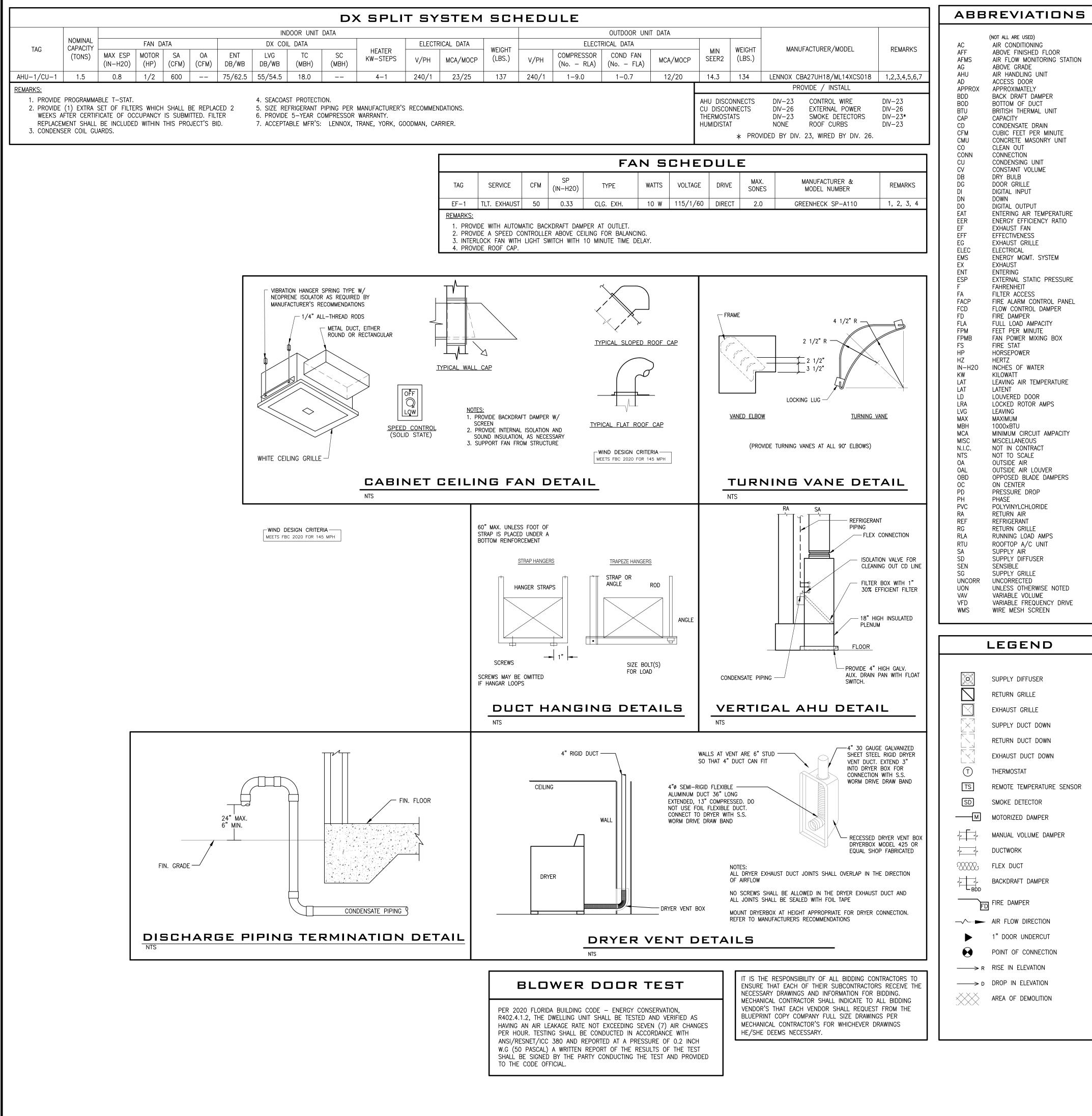
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5	CU		-	2	20	10	-	10	3/4	a	6	REC/LTG-MASTER BEDRM	#	-	1	15	14	14	14	*
7						10				b	8	LTG LIVING/KITCHEN	#	-	1	15	14	14	14	*
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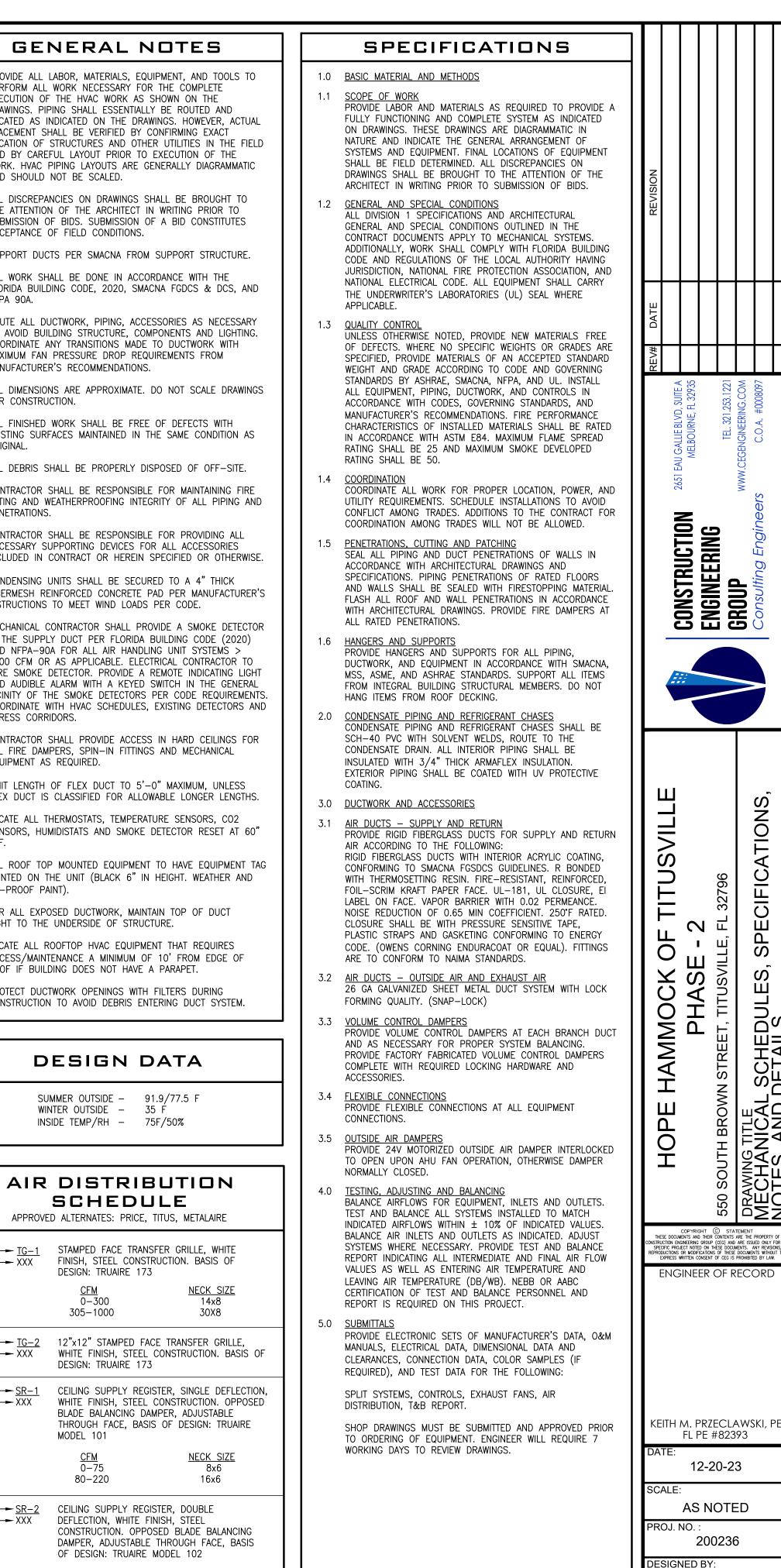


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	REVIAIIUNS			انا
	(NOT ALL ARE USED)		1.	PROVIDE AL
AC AFF	AIR CONDITIONING ABOVE FINISHED FLOOR			PERFORM A
AFMS	AIR FLOW MONITORING STATION			DRAWINGS.
AG AHU	ABOVE GRADE AIR HANDLING UNIT			PLACEMENT LOCATION (
AD APPROX	ACCESS DOOR APPROXIMATELY			AND BY CA WORK. HVA
3DD 3OD	BACK DRAFT DAMPER BOTTOM OF DUCT			AND SHOUL
STU CAP	BRITISH THERMAL UNIT CAPACITY		2.	ALL DISCRE
D	CONDENSATE DRAIN			THE ATTENT
CFM CMU	CUBIC FEET PER MINUTE CONCRETE MASONRY UNIT			ACCEPTANC
CO CONN	CLEAN OUT CONNECTION		3.	SUPPORT D
CU CV	CONDENSING UNIT CONSTANT VOLUME		4.	ALL WORK
)B)G	DRY BULB DOOR GRILLE			FLORIDA BU NFPA 90A.
)I	DIGITAL INPUT		5.	ROUTE ALL
)N)O	DOWN DIGITAL OUTPUT			TO AVOID E
AT ER	ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO			MAXIMUM F
F FF	EXHAUST FAN EFFECTIVENESS			MANUFACTU
G LEC	EXHAUST GRILLE ELECTRICAL		6.	ALL DIMENS
MS	ENERGY MGMT. SYSTEM		7.	ALL FINISHI
IX INT	EXHAUST ENTERING			EXISTING SI ORIGINAL.
SP	EXTERNAL STATIC PRESSURE FAHRENHEIT			
A ACP	FILTER ACCESS FIRE ALARM CONTROL PANEL		8.	ALL DEBRIS
CD D	FLOW CONTROL DAMPER FIRE DAMPER		9.	CONTRACTO RATING ANE
ĹA	FULL LOAD AMPACITY			PENETRATIO
PM PMB	FEET PER MINUTE FAN POWER MIXING BOX		10.	CONTRACTO NECESSARY
rs IP	FIRE STAT HORSEPOWER			INCLUDED I
IZ N-H2O	HERTZ INCHES OF WATER		11.	CONDENSIN
(W AT	KILOWATT LEAVING AIR TEMPERATURE			FIBERMESH INSTRUCTIO
AT	LATENT LOUVERED DOOR		12	MECHANICA
.D .RA	LOCKED ROTOR AMPS		12.	IN THE SUP
.VG /AX	LEAVING MAXIMUM			AND NFPA- 2000 CFM
/IBH /ICA	1000xBTU MINIMUM CIRCUIT AMPACITY			WIRE SMOK
AISC I.I.C.	MISCELLANEOUS NOT IN CONTRACT			VICINITY OF
ITS	NOT TO SCALE			EGRESS CC
)A)AL	OUTSIDE AIR OUTSIDE AIR LOUVER		13.	CONTRACTO
)BD)C	OPPOSED BLADE DAMPERS ON CENTER			ALL FIRE D
PD PH	PRESSURE DROP PHASE		14.	LIMIT LENG
PVC RA	POLYVINYLCHLORIDE RETURN AIR			FLEX DUCT
REF RG	REFRIGERANT RETURN GRILLE		15.	LOCATE ALL
RLA	RUNNING LOAD AMPS			SENSORS, AFF.
rtu Sa	ROOFTOP A/C UNIT SUPPLY AIR		16.	ALL ROOF
SD SEN	SUPPLY DIFFUSER SENSIBLE			PAINTED ON
SG	SUPPLY GRILLE UNCORRECTED		47	
JON	UNLESS OTHERWISE NOTED VARIABLE VOLUME		17.	FOR ALL EX TIGHT TO T
/AV /FD	VARIABLE FREQUENCY DRIVE		18.	LOCATE ALL
VMS	WIRE MESH SCREEN			ACCESS/MA ROOF IF BU
			19	PROTECT D
I	EGEND			CONSTRUCT
	SUPPLY DIFFUSER			
	RETURN GRILLE			
	EXHAUST GRILLE			
	SUPPLY DUCT DOWN			
	RETURN DUCT DOWN			
	EXHAUST DUCT DOWN			AII
(T)	THERMOSTAT			
TS	REMOTE TEMPERATURE SENSOR			APPR
SD	SMOKE DETECTOR		TAG — AIRFLO	$\overline{W} \xrightarrow{F} \underline{TG}$
M	MOTORIZED DAMPER			
	MANUAL VOLUME DAMPER			
	DUCTWORK			
	FLEX DUCT		TAG -	
			AIRFLO	$W \longrightarrow \overline{XXX}$
	BACKDRAFT DAMPER			
FD	FIRE DAMPER		TAG — AIRFLO	<u>→</u> <u>SR−1</u> ₩ → XXX
FD				~~~~
	AIR FLOW DIRECTION			
	1" DOOR UNDERCUT			
	POINT OF CONNECTION			
> R	RISE IN ELEVATION			
> D	DROP IN ELEVATION		TAG — AIRFLO	₩ <u> SR-2</u> ₩ XXX
\times	AREA OF DEMOLITION			
$\times \times \times$				
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NECK SIZE 10x8 <u>CFM</u> 100-130

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р МС ZZ

NATURAL VENTILATION CALCULATION

TYPICAL UNIT

UNIT FLOOR AREA: 952 SF

MIN. VENTILATION AREA: 38 SF (UNIT AREA x 4%)

ACTUAL VENTILATION AREA: 82.0 SF (OPERABLE OPENING AREA)

NATURAL VENTILATION CALCULATIONS BASED ON FLORIDA MECHANICAL CODE CHAPTER 4, SECTION 402

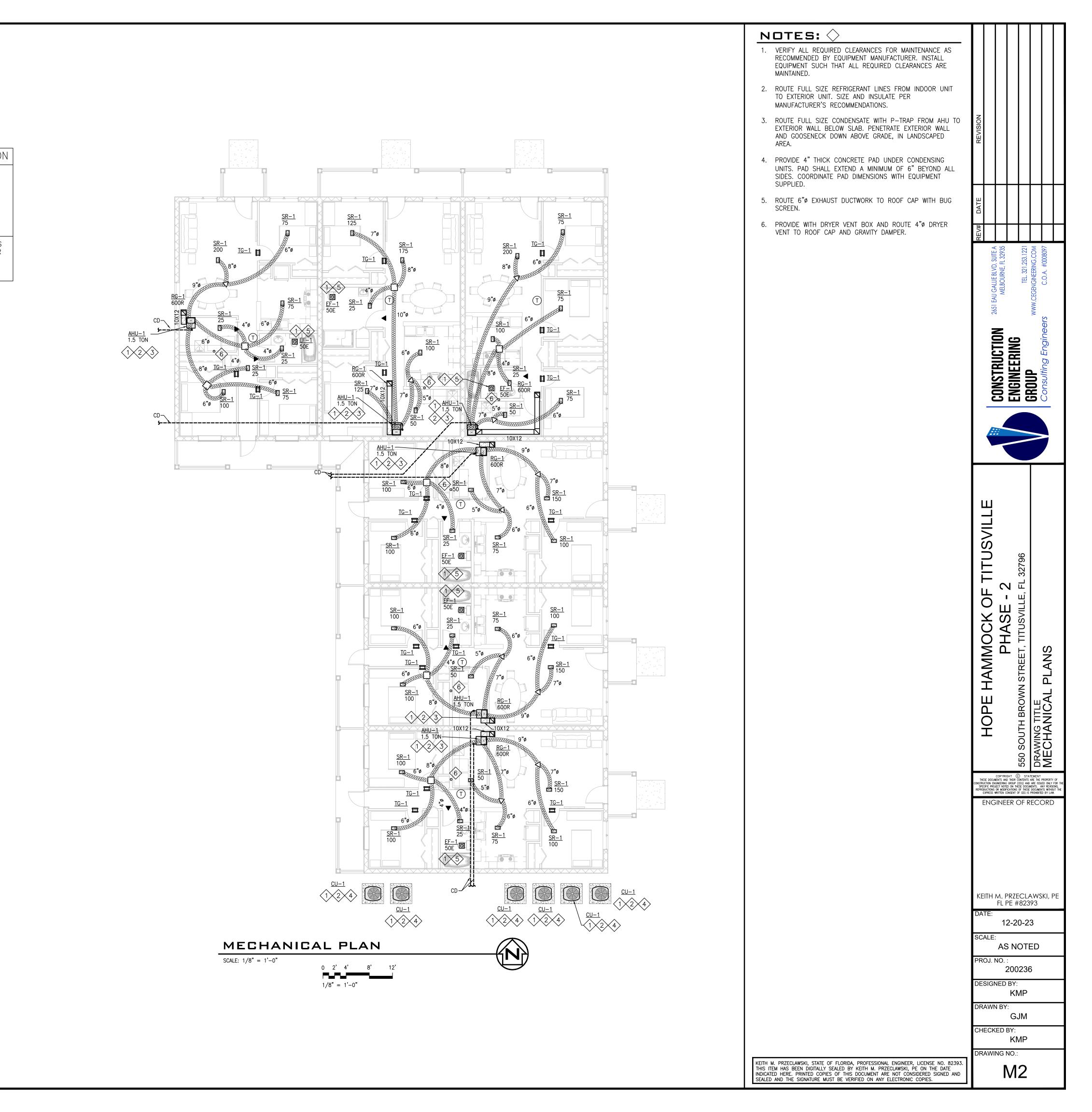
DRYER VENT LENGTH CALCULATION

TYPICAL UNIT

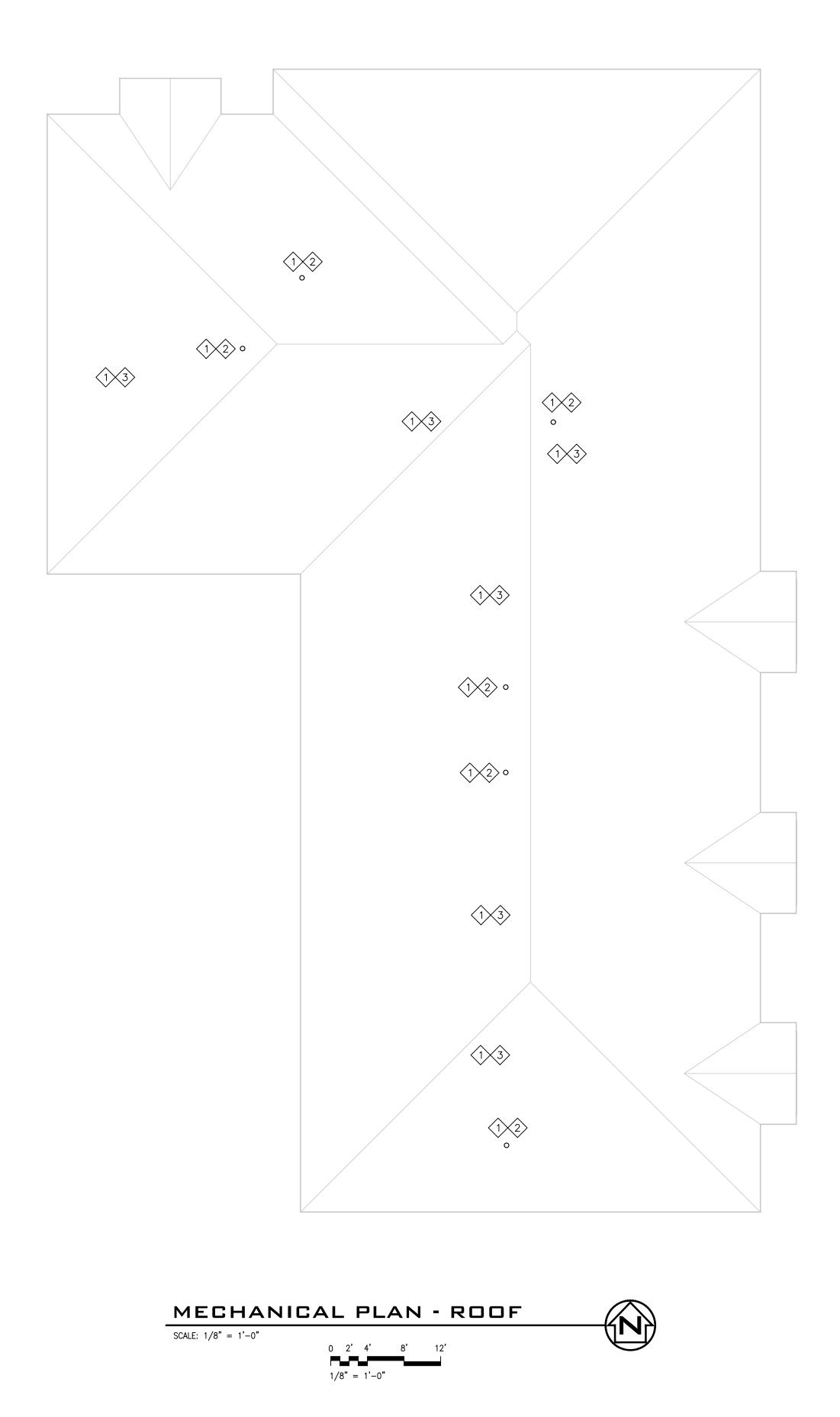
HORIZONTAL LENGTH: 0 FT VERTICAL LENGTH: 16 FT 90° ELBOWS (5 FT EQUIVALENT LENGTH): 5 FT 45° ELBOWS (2.5 FT EQUIVALENT LENGTH): 0 FT

TOTAL EQUIVALENT LENGTH: 21 FT

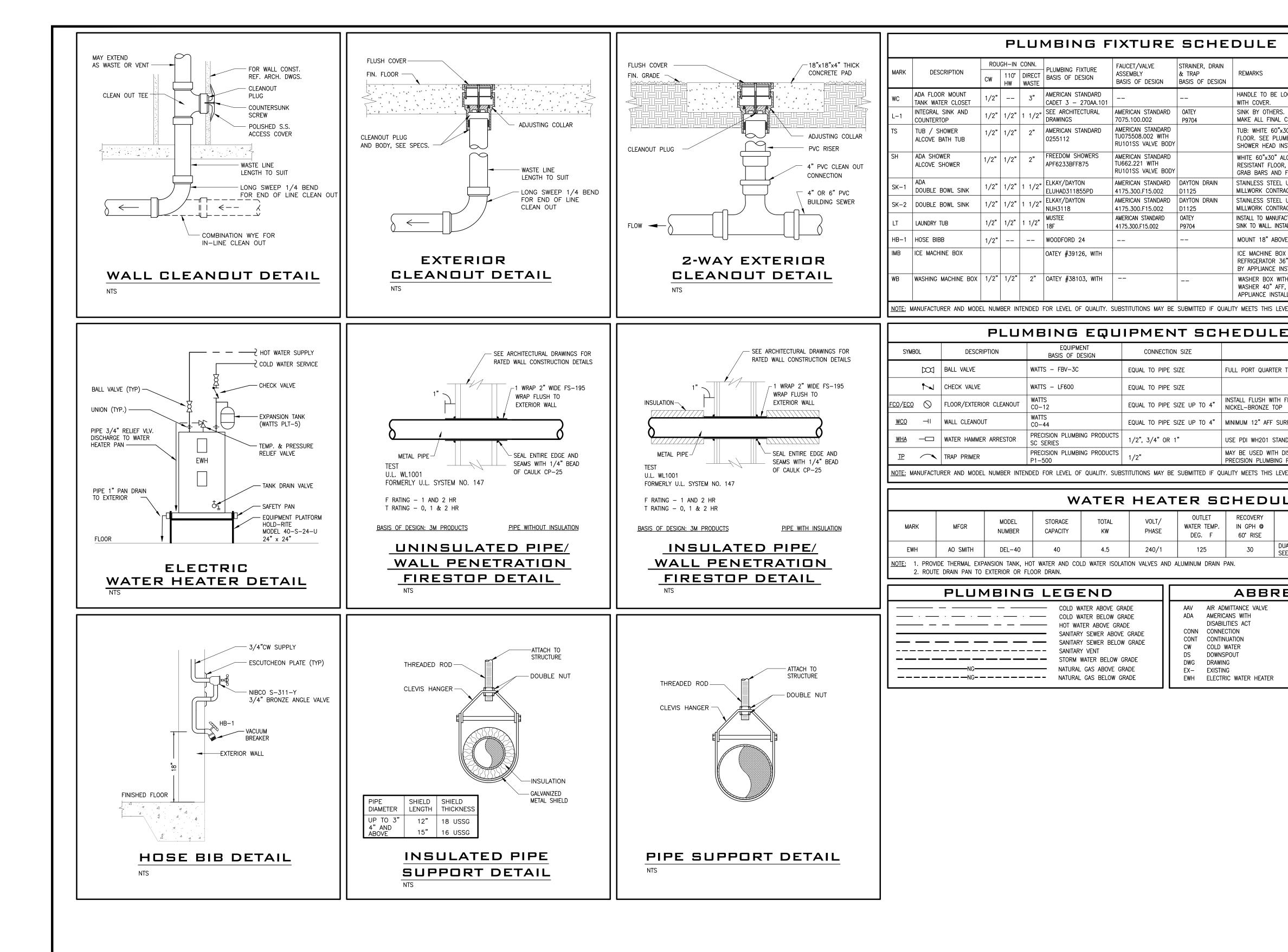
IF DRYER VENT TOTAL EQUIVALENT LENGTH EXCEEDS THE CODE MAXIMUM LENGTH OF 35 FT, ANY DRYER CONNECTION TO THE BUILDING EXHAUST SYSTEM SHALL BE REQUIRED TO MEET ITS MANUFACTURERS REQUIRED ALLOWABLE MAXIMUM LENGTH





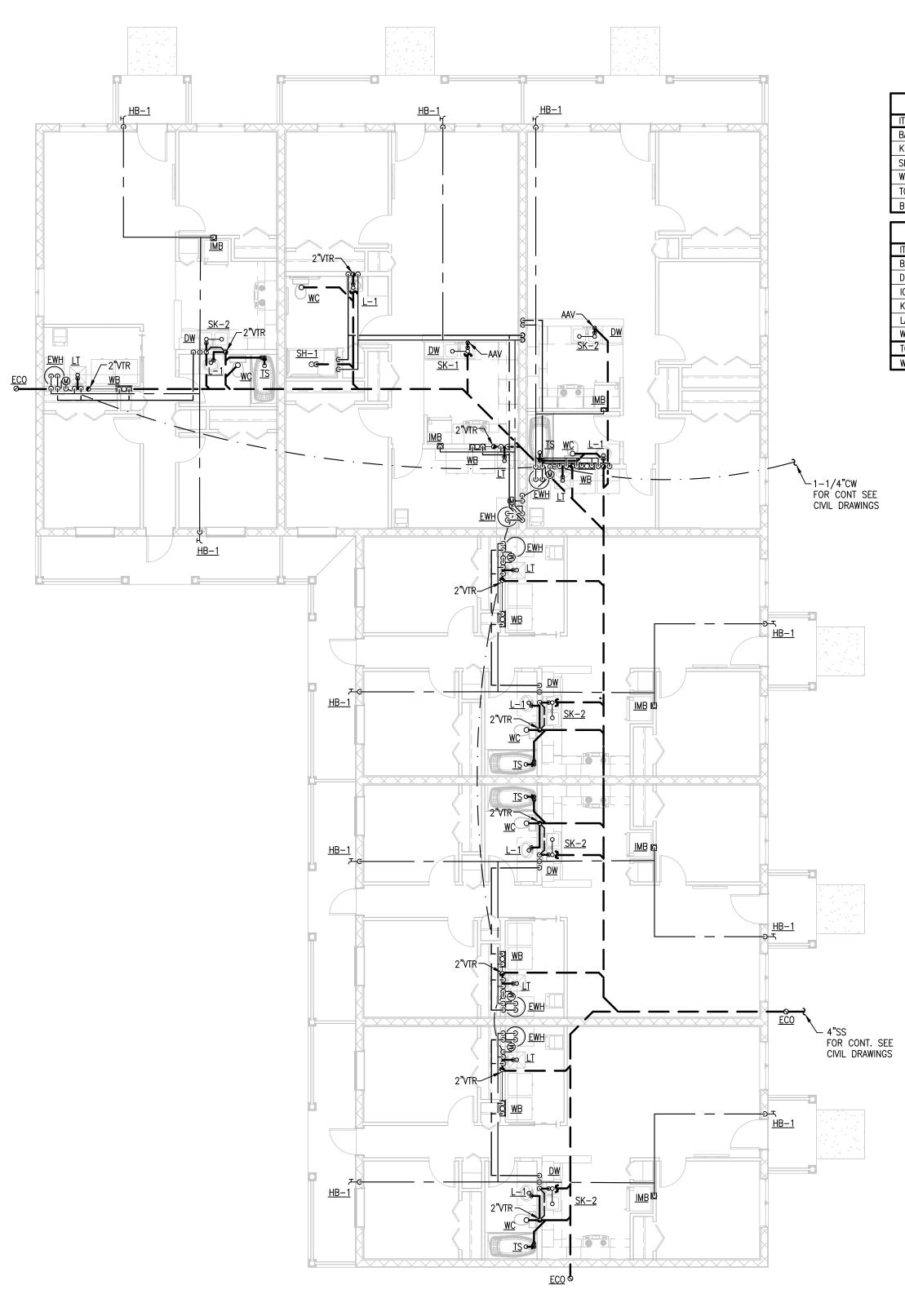


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	Image: Non-State StateConstruction2651 EAU GALLE BLVD, SUITE A MELBOURNE, FL 32935Image: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateImage: Non-State
	HOPE HAMMOCK OF TITUSVILLE HOPE HAMMOCK OF TITUSVILLE PHASE - 2 BHASE - 2 So South Brown Street, titusville, FL 32796 TITUSVILLE, FL 32796 DRAWING TITLE MECHANICAL PLANS - ROOF
	KEITH M. PRZECLAWSKI, PE FL PE #82393 DATE: 12-20-23 SCALE: AS NOTED PROJ. NO. : 200236 DESIGNED BY: KMP DRAWN BY: GJM CHECKED BY: KMP DRAWING NO.:
KEITH M. PRZECLAWSKI, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 82393. THIS ITEM HAS BEEN DIGITALLY SEALED BY KEITH M. PRZECLAWSKI, PE ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	M3



		PLUMBING GENERAL NOTES AND SPECIFICATIONS	
OCATED ON WIDE SIDE OF TOILET. 5321.11	10 SEAT	 PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND TOOLS TO PERFORM ALL WORK NECESSARY FOR THE COMPLETE EXECUTION OF THE PLUMBING WORK AS SHOWN ON THE DRAWINGS. PIPING SHALL ESSENTIALLY BE ROUTED AND LOCATED AS INDICATED ON THE DRAWINGS. HOWEVER, ACTUAL PLACEMENT SHALL BE VERIFIED BY CONFIRMING EXACT LOCATION OF STRUCTURES AND OTHER UTILITIES IN THE FIELD 	
PROVIDE COMPLETE FAUCET INSTALLATION CONNECTIONS TO SINK.		AND BY CAREFUL LAYOUT PRIOR TO EXECUTION OF THE WORK. PLUMBING DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOULD NOT BE SCALED.	
30" ALCOVE TUB WITH TILE FLANGE AND A IBING PLANS FOR DRAIN LOCATION. STALLED AT 7'2" ABOVE FINISHED FLOOR.	NTI-SLIP	 PROVIDE WORK NOT SPECIFICALLY SHOWN OR SPECIFIED, YET REQUIRED FOR PROPER AND COMPLETE OPERATIONS OF ALL SYSTEMS AND TO SATISFY THE DESIGN INTENT. COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. 	EVISION
COVE SHOWER SYSTEM WITH TILE FLANGE , CENTER DRAIN LOCATION. PROVIDE FACTO FOLDING SHOWER BENCH. UNDER-MOUNT SINK. COORDINATE INSTALL	ORY INSTALLED	3. LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED UNDER THE PLUMBING CONTRACTORS' SCOPE OF WORK SHALL BE PERFORMED BY EXPERIENCED MECHANICS OF THE PROPER TRADE AND ALL WORKMANSHIP SHALL BE FIRST CLASS AND SHALL BE IN COMPLIANCE WITH THE SPECIFIC REQUIREMENTS OF	RE
ACTOR. NO ESCUTCHEON PLATE AT FAUCET UNDER-MOUNT SINK. COORDINATE INSTALL	_ation_with	THE CONTRACT DRAWINGS. 4. ALL DISCREPANCIES ON DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ADDUITEOT IN WRITING DRIVE TO SUBMISSION OF DRESS SUBMISSION OF A DRE	
ACTOR. NO ESCUTCHEON PLATE AT FAUCET CTURERS REQUIREMENTS, PROVIDE FLOOR KIT AI ALL FAUCET AS LISTED.		ARCHITECT IN WRITING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID CONSTITUTES ACCEPTANCE OF FIELD CONDITIONS.5. SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, MOUNTING	ш
E FINISHED FLOOR. SEE DETAIL FOR ISOLA		HEIGHTS, DIMENSIONS AND ADDITIONAL REQUIREMENTS NOT COVERED ON THESE DRAWINGS.	DATI
(WITH WATER HAMMER ARRESTOR MOUNTE "AFF FINAL CONNECTION AND SUPPLY LII STALLER. "H WATER HAMMER ARRESTOR MOUNTED BE	ne provided Ehind	 ALL WORK SHALL BE IN ACCORDANCE WITH, BUT NOT LIMITED TO, THE LATEST ADOPTED EDITION OF THE FOLLOWING CODES AND STANDARDS: FLORIDA BUILDING CODE, (FBC); NATIONAL FIRE DEDIFICIENT ASSOCIATION (AFEA). 	EA 935 221 0M 097
, FINAL CONNECTION AND SUPPLY LINES F	PROVIDED BY	NATIONAL FIRE PROTECTION ASSOCIATION, (NFPA); AMERICANS WITH DISABILITIES ACT, (ADA); AMERICAN SOCIETY OF MECHANICAL ENGINEERS, (ASME);	LIE BLVD, SUITE A SOURNE, FL 32935 TEL. 321.253.1221 GINEERING. COM C.O.A. #0008097
EL.		AMERICAN SOCIETY FOR TESTING AND MATERIALS, (ASTM); AMERICAN NATIONAL STANDARDS INSTITUTE, (ANSI); UNDERWRITERS LABORATORIES, (UL);	SAI NELE
	SUBMITTAL	ALL LOCAL CODES, ORDINANCES, REGULATIONS; THE AUTHORITY HAVING JURISDICTION.	
REMARKS TURN	REQUIRED	7. CONTRACTOR SHALL OBTAIN AND FURNISH ALL PERMITS, AND ARRANGE FOR ALL REQUIRED INSPECTIONS.	
	NO	 CONTRACTOR SHALL INSPECT THE SITE FOR FIELD VERIFICATION OF ALL ASPECTS OF THE PROJECT PRIOR TO BIDDING. CONTRACTOR SHALL COOPDINATE ALL WORK WITH OTHER TRADES 	CTION RING <i>Engineers</i>
FINISHED FLOOR OR GRADE ROUND	YES	 CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES. ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES. PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL 	CONSTRUCTIO ENGINEERING GROUP Consulting Engin
RFACE, PROVIDE COVER AND BRASS SCREW		PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL FINISHES. PIPING IN MECHANICAL ROOMS MAY BE EXPOSED.	
DARDS DISTRIBUTION BLOCK	YES	 CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS. CONTRACTOR SHALL INSTALL DIFLECTRIC LINIONS AT CONNECTIONS OF DISSIMILAR 	
PRODUCTS MODEL DU-4	YES	 CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS. DO NOT PENETRATE WALL EQUILINGS WITH PIPING. COORDINATE WITH CENERAL 	
LE		13. DO NOT PENETRATE WALL FOOTINGS WITH PIPING. COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES. WHERE ABSOLUTELY NECESSARY, ALL PIPING PENETRATING BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY THE STRUCTURAL ENGINEER.	
REMARKS		 CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT, OR HEREIN SPECIFIED, OR OTHERWISE. 	
IAL ELEMENT NON-SIMULTANEOUS OPERATI E DETAIL FOR ADDITIONAL INSTALLATION RE		15. WALL BRACKETS, HANGERS, SUPPORTS, ETC. SHALL BE PROVIDED WHERE REQUIRED IN ACCORDANCE WITH THE BEST STANDARD PRACTICE OF THE TRADE AND AS PER CODE. ADDITIONAL SUPPORTS SHALL BE PROVIDED TO TRANSMIT LOADS TO THE MAIN STRUCTURE WHERE REQUIRED. ALL EXPOSED SUPPORTS SHALL BE HOT DIPPED	Ш
		GALVANIZED OR FIBERGLASS REINFORCED "UNISTRUT" TYPE INCLUDING HARDWARE. MAXIMUM HORIZONTAL SPACING: CAST IRON 5'-0" ON CENTER (10' PIPE LENGTHS MAY BE 10'-0" SPACING)	
F DEGREES FAHRENHEIT		COPPER 6'-0" ON CENTER FOR $1-1/4$ " AND SMALLER 10'-0" ON CENTER FOR $1-1/2$ " AND LARGER CPVC 3'-0" ON CENTER FOR $1/2$ " THRU 1"	TITUSVILL - 32796
GPM GALLONS PER MINUTE HR HOUR HW HOT WATER		4'-0" ON CENTER FOR $1-1/4"$ AND LARGER PVC $4'-0"$ ON CENTER	
NTS NOT TO SCALE PD PUMP DRAIN SS SANITARY SEWER		16. STORM DRAIN, CONDENSATE DRAIN, SANITARY WASTE AND VENT PIPING SHALL BE COLLECTED AND TERMINATED AT A POINT SHOWN ON THE DRAWINGS. PIPING SHALL	
T&P TEMPERATURE & PRESSU TYP TYPICAL	JRE	BE SCHEDULE 40 TYPE DWV PVC WITH SOLVENT WELD JOINTS, EXCEPT FOR RETURN AIR PLENUM AREAS WHERE SERVICE WEIGHT CAST IRON PIPE WITH HUB AND SPIGOT FITTINGS OR PVC PIPING WITH 1" THICK FIRE WRAP INSULATION SEALED TO PROVIDE	О Г - 2
V VENT		FS/SD = 25/50 SHALL BE USED. FIRE WRAP INSULATION SHALL BE 5A FIRE BARRIER PLENUM WRAP BY 3M OR APPROVED EQUIVALENT.	
		17. ALL DRAINAGE PIPING 3" AND LARGER SHALL HAVE A MINIMUM SLOPE OF ½" PER FOOT, PIPING 2-½" AND SMALLER SHALL HAVE A MINIMUM SLOPE OF ¼" PER FOOT UNLESS OTHERWISE NOTED.	
		18. VENT PIPING SHOWN ON FLOOR PLANS IS ONLY INDICATIVE EXCEPT FOR VTR LOCATIONS.	
		19. BUILDING DOMESTIC WATER PIPING (ABOVE FLOOR) SHALL BE CPVC PLASTIC PIPE AND FITTINGS. PROVIDE TRANSITION FITTINGS AS REQUIRED TO INSTALL VALVES,	IAMMOCK PHAS STREET, TITUS ECIFICATIO
		FIXTURE STOPS, EQUIPMENT AND OTHER COMPONENTS. PIPE AND FITTINGS SHALL CONFORM TO ASTM-1784. ALL EXPOSED PIPING SHALL BE TYPE L HARD COPPER TUBE PAINTED TO MATCH. ALL HOT WATER, TEMPERED WATER AND HOT WATER	
		RETURN PIPE AND FITTINGS SHALL BE COVERED IN 1" THICK ELASTOMERIC INSULATION WITH ALL SEAMS AND JOINTS SEALED TIGHT.	PE F BROWN IG SPI I ES A
		20. ALL MATERIALS PROVIDED BY THE CONTRACTOR SHALL BE NEW AND FREE OF DEFECTS AND SHALL BE UL LISTED FOR THE INTENDED APPLICATION.	
		 ALL HAND SINKS AND LAVATORIES SHALL BE PROVIDED WITH TEMPERED WATER AND TEMPERATURE SET TO 110°F MAXIMUM. HOT AND COLD WATER SUPPLY PIPING AND DRAIN PIPING UNDER HANDICAPPED 	ll ∽l≥⊃∓
		22. HOT AND COLD WATER SUPPLY PIPING AND DRAIN PIPING UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED PER AMERICANS WITH DISABILITIES ACT, WITH FACTORY FABRICATED SEAMLESS MICROBIAL PVC RESIN INSULATION.	SC SC SC SC SC SC SC SC SC SC SC SC SC S
		23. VALVES AND FITTINGS SHALL BE OF SAME SIZE AS LINE IN WHICH THEY ARE INSTALLED.	COPYRIGHT C STATEMENT THESE DOCUMENTS AND THEIR CONTENTS ARE THE PROPERTY OF CONSTRUCTION ENGINEERING GROUP (CCG) AND ARE ISSUED ONLY FOR TH SPECIFIC PROJECT NOTED ON THESE DOCUMENTS. ANY REVISIONS, REPRODUCTIONS OF MODIFICATIONS OF THESE DOCUMENTS WITHOUT THE EXPRESS WRITENE CONSENT OF CCG IS PROHIBIED BY LAW.
		24. INSTALL WATER HAMMER ARRESTORS AT EACH FIXTURE, OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER HAMMER ARRESTORS	ENGINEER OF RECORD
		AS SPECIFIED. 25. ALL WATER SUPPLY AND DRAINAGE LINES SHALL BE INSTALLED AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGE IN SIZING.	
		26. BALL VALVES $\cancel{4}$ " THROUGH 2" SHALL BE TWO PIECE – 600 WOG, TEFLON SEATS, ANSI 316 STAINLESS STEEL BALL AND STEM (EXTENSION STEM ON INSULATED HOT	
		WATER AND TEMPERED HOT WATER), BRONZE BODY WITH THREADED OR SOLDER ENDS.	
			KEITH M. PRZECLAWSKI, PE FL PE #82393
			DATE: 12-20-23
			SCALE:
			AS NOTED PROJ. NO. :
			200236
			DESIGNED BY: WHB
			DRAWN BY: WHB
			CHECKED BY: KMP
		KEITH M. PRZECLAWSKI, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 82393. THIS ITEM HAS BEEN DIGITALLY SEALED BY KEITH M. PRZECLAWSKI, PE ON THE DATE	
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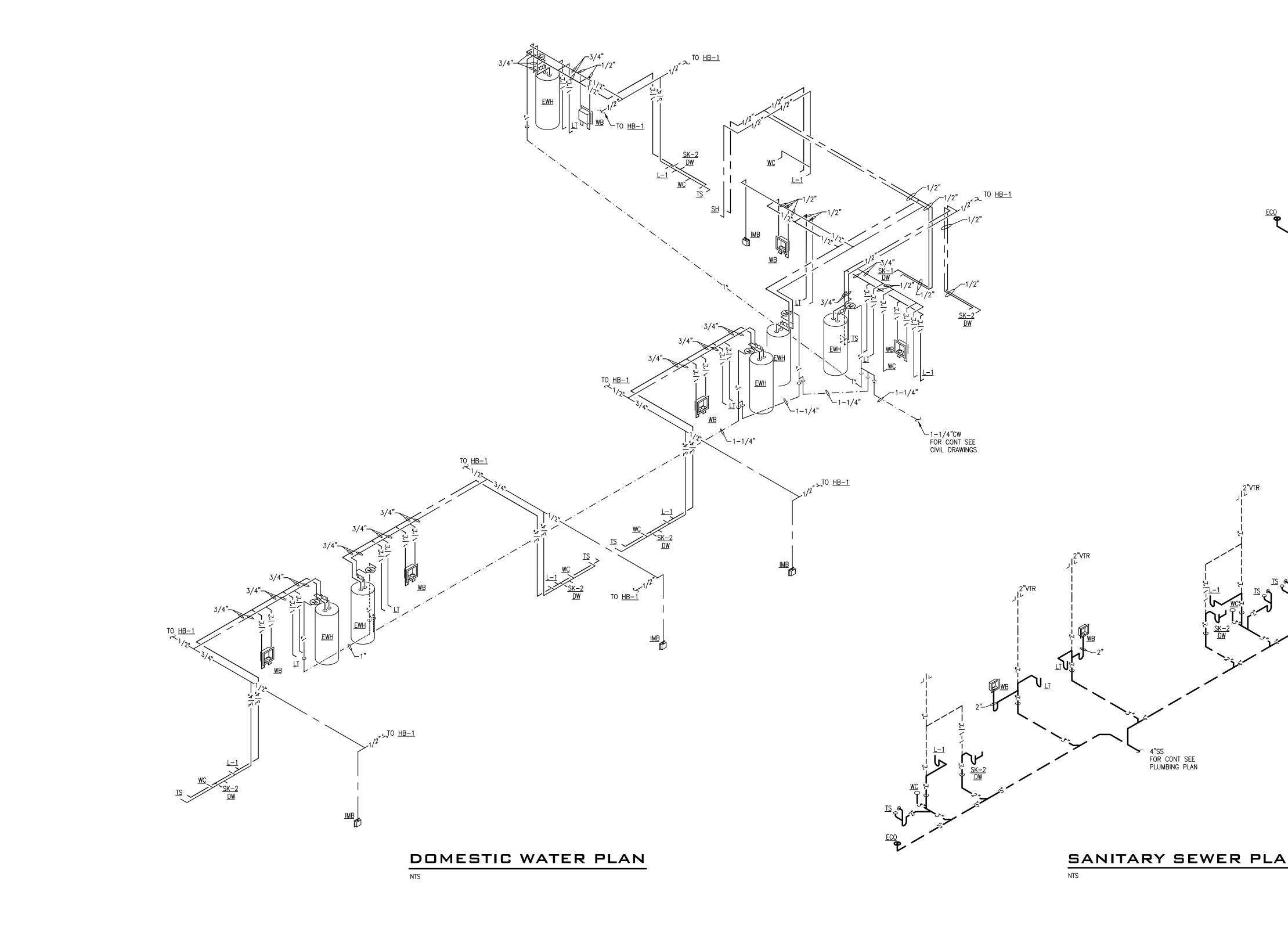


PLUMBING PLAN

SCALE: 1/8" = 1'-0"

DFU CALCUI	_A7	101	Z
ITEM	QTY	DFU	SUM
BATHROOM GROUP - 1.6 WATER CLOSET	6	5.0	30.0
KITCHEN SINK - DOMESTIC	6	2.0	12.0
SINK	6	2.0	12.0
WASHING MACHINE - RESIDENTIAL	6	2.0	12.0
TOTAL DFU			66.0
			4.19
BUILDING SEWER	t t	PIPE SIZE	= 4
BUILDING SEWER	ł	PIPE SIZE	= 4
WSFU CALCU			
WSFU CALCU	ILA	тіо	N
WSFU CALCU		WSFU	N SUM
WSFU CALCU ITEM BATHROOM GROUP - FLUSH TANK	QTY 6	WSFU 3.6	SUM 21.6
WSFU CALCU ITEM BATHROOM GROUP - FLUSH TANK DISHWASHING MACHINE	QTY 6 6	WSFU 3.6 1.4	SUM 21.6 8.4
WSFU CALCU ITEM BATHROOM GROUP – FLUSH TANK DISHWASHING MACHINE ICE MACHINE	QTY 6 6 6	WSFU 3.6 1.4 0.25	N 21.6 8.4 1.5
WSFU CALCU ITEM BATHROOM GROUP – FLUSH TANK DISHWASHING MACHINE ICE MACHINE KITCHEN SINK – PRIVATE	QTY 6 6 6 6	WSFU 3.6 1.4 0.25 1.4	SUM 21.6 8.4 1.5 8.4
WSFU CALCU ITEM BATHROOM GROUP – FLUSH TANK DISHWASHING MACHINE ICE MACHINE KITCHEN SINK – PRIVATE LAUNDRY SINK – PRIVATE	QTY 6 6 6 6 6	WSFU 3.6 1.4 0.25 1.4 1.4	SUM 21.6 8.4 1.5 8.4 8.4 8.4

FLI CALCULATION OPY DEU SUM M GROUP - 1.6 WATER CLOSET 6 S.0 30.0 SINK - DOMESTIC 6 5.0 12.0 MACHINE - RESIDENTIAL 6 2.0 12.0 U 66.0 SEWER PIPE SIZE = 4* SIM - PRIVATE 6 1.4 8.4 SINK - PRIVATE 6 1.4 8.4 SINK - PRIVATE 6 1.4 8.4 SINK - PRIVATE 6 1.4 8.4 SIN PIPE SIZE = 1-1/4* SIN	Image: Market index
	A DECAMPACIÓN OF TITUSVILLE HOPE HAMMOCK OF TITUSVILLE PARA OF TITUSVILLE DEPARE - 2 SEO SOUTH BROWN STRET, TITUSVILLE, FL 32796 DEAMING TITU DRAING TITU DRAING TITU DRAING TITU DRAING TITU
KEITH M. PRZECLAWSKI, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 823 THIS ITEM HAS BEEN DIGITALLY SEALED BY KEITH M. PRZECLAWSKI, PE ON THE DATE INDICATED HERE, PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AN SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	



AND	REV# DATE REV# DATE REVISION CONSTRUCTION 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 REV# DATE REVISION CONSTRUCTION 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 REV# REVISION ENGINEERING 2600 TEL. 321 253.121 MELBOURNE, FL 32935 MELBOURNE, FL 32935 MELBOURNE, FL 32935 Consulting Engineers C.O.A. #0008097 MELBOURNE, FL 32935 MELBOURNE, FL 32935 MELBOURNE, FL 32935
AN	HOPE HAMMOCK OF TITUSVILLE HOPE HAMMOCK OF TITUSVILLE PHASE - 2 BHASE - 2 S50 SOUTH BROWN STREET, TITUSVILLE, FL 32796 550 SOUTH BROWN STREET, TITUSVILLE, FL 32796 DRAWING TITLE DRAWING TITLE PLUMBING ISOMETRICS
KOTH M. PRZECIAMSKI, STATE OF FLORIDA. PROFESSIONAL ENGINEER, LICENSE NO. 82303. THIS ITEM HAS BEEN DIGITALLY STALED BY KOTH M. PRZECIAMSKI, PE ON THE DIZE INDRATE DHERE. PINNTED COPIES OF THE DOCUMENT ARE NOT CONSIDERED SIGNED AND ISDRATE DHE THE DISTRICT MUST BE VERIFIED ANY ELECTRONE COPIES	REPRODUCTIONS OR HODFITCATIONS OF THESE DOCUMENTS WITHOUT THE ENGINEER OF RECORD KEITH M. PRZECLAWSKI, PE FL PE #82393 DATE: 12-20-23 SCALE: AS NOTED PROJ. NO. : 200236 DESIGNED BY: WHB DRAWN BY: WHB CHECKED BY: KMP DRAWING NO.: P3

GENERAL

- 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH FABRICATION AND CONSTRUCTION.
- 2. DESIGN WIND LOADS IS IN ACCORDANCE WITH 2020 FLORIDA BUILDING CODE 7TH EDITION AND ASCE 7-16 USING THE FOLLOWING CRITERIA:
- a. STRUCTURAL CATEGORY = II

b. BASIC WIND SPEED

- = 150 MPH
 - = 1.00
- c. IMPORTANCE FACTOR d. EXPOSURE CATEGORY
 - = B
- e. INTERNAL PRESSURE COEFF. = +/-0.18 (ENCLOSED CONDITION)
- f. MEAN ROOF HEIGHT = 15.0 FT
- 3. COMPONENTS AND CLADDING PRESSURES:
- (SEE TABLE THIS DRAWING)

ALL OPENINGS WILL BE REQUIRED TO BE PROTECTED WITH IMPACT-RESISTANT MATERIAL RATED BY THE MANUFACTURER TO EXCEED THE ABOVE PRESSURES.

- 4. ROOF TILES SHALL COMPLY WITH PROVISIONS OF ASTM C1492 OR ASTM C1167-11 AND SECTION 1504 OF THE FLORIDA BUILDING CODE.
- 5. SUPERIMPOSED DESIGN LOADS
- a. ROOF TOP CHORD LIVE = 20 PSF
- b. ROOF BOTTOM CHORD LIVE = 0 PSF
- c. ROOF TOP CHORD DEAD = 15 PSF
- d. ROOF BOTTOM CHORD DEAD = 10 PSF

6. ALL DETAILS APPLY TO SIMILAR SITUATIONS UNLESS SPECIFICALLY NOTED OTHERWISE ELSEWHERE

FOUNDATIONS

- 1. ASSUMPTIVE DESIGN NET SOIL BEARING PRESSURE FOR SPREAD FOOTINGS IS 2000 PSF. THIS SHALL BE VERIFIED BY AN INDEPENDENT TESTING LABORATORY PRIOR TO INSTALLING FOUNDATIONS.
- 2. COMPACT SOILS AT BOTTOM OF FOOTINGS AND SLABS TO 95% OF MAXIMUM DENSITY PER ASTM D1557.

CONCRETE

- 1. DESIGN, MATERIAL, WORKMANSHIP, AND PREPARATION OF DETAILED FABRICATION AND PLACING DRAWINGS SHALL BE IN ACCORDANCE WITH CURRENT EDITIONS OF ACI 318, ACI SP-66, ACI SP-4, AND THE CRSI HANDBOOK.
- 2. ALL CONCRETE SHALL DEVELOP THE FOLLOWING COMPRESSIVE STRENGTHS AT 28 DAYS. UNLESS OTHERWISE NOTED:
- a. SLABS AND FOUNDATIONS 2500 PSI
- b. BEAMS AND FILLED CELLS 3000 PSI
- 3. SLUMP JUST PRIOR TO PLACING SHALL BE THE FOLLOWING (PLUS OR MINUS ONE INCH)
- a. SLABS ON GRADE: 4 INCHES
- b. FOUNDATIONS: 4 INCHES
- c. FILLED CELLS: 8 INCHES
- d. OTHER CONCRETE: 4 INCHES
- 4. ALL CONCRETE SHALL BE PLACED IN THE DRY. NO CONCRETE SHALL BE PLACED LATER THAN 90 MINUTES AFTER MIXING HAS BEGUN. DEPOSIT CONCRETE IN ITS FINAL POSITION WITHOUT SEGREGATION AND REHANDLING.
- 5. REINFORCING STEEL BARS SHALL BE DEFORMED AND CONFORM TO THE LATEST REQUIREMENTS OF ASTM A615 GRADE 60, U.O.N.
- 6. REINFORCING BARS ARE CONTINUOUS UNLESS OTHERWISE NOTED. WHERE NECESSARY, MINIMUM LAP SPLICES FOR REINFORCING BARS SHALL BE 40 BAR DIAMETERS.
- 7. CONCRETE SLAB ON GRADE TO BE REINFORCED WITH 6X6 W2.9XW2.9 WELDED WIRE FABRIC.
- 8. ALL REINFORCING STEEL SHALL HAVE THE FOLLOWING MINIMUM CLEAR CONCRETE COVER:
- a. CAST AGAINST AND PERMANENTLY TO EARTH = 3 INCHES
- = 1 $\frac{1}{2}$ INCHES b. STIRRUPS IN BEAMS
- c. ALL OTHER CONDITIONS = 2 INCHES
- 9. AT DISCONTINUOUS ENDS OF BEAMS AND SLABS, TOP BARS SHALL TERMINATE IN A STANDARD ACI HOOK, UNLESS OTHERWISE NOTED.
- 10. AT OUTSIDE CORNERS OF CONCRETE BEAMS AND FOOTINGS PROVIDE #4x4'-0" LONG CORNER BARS IN EACH FACE AT SAME SPACING AS HORIZONTAL REINFORCING, U.O.N.
- 11. PROVIDE DOWELS IN FOOTINGS OF SAME QUANTITY AND SIZE AS VERTICAL WALL REINFORCING. BOTTOM DOWELS SHALL HAVE A STANDARD ACI HOOK.
- 12. CHAMFER ALL EXPOSED CONCRETE EDGES $\frac{3}{4}$ INCHES x 45 DEGREES.
- 13. PATCH ALL DEFECTIVE AREAS OF CONCRETE WITH CEMENT GROUT.

REINFORCED MASONRY

- 1. CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT WITH A NET AREA COMPRESSIVE STRENGTH OF fm=1500 PSI.
- 2. USE TYPE "M" OR "S" MORTAR IN ACCORDANCE WITH ASTM C260 FOR ALL MASONRY CONSTRUCTION.
- 3. ALL MASONRY WORKMANSHIP SHALL BE IN STRICT ACCORDANCE WITH CURRENT EDITIONS OF ACI 530.
- 4. PROVIDE CLEANOUT AT THE BOTTOM OF ALL CELLS TO BE FILLED WITH CONCRETE. CLOSE THE OPENING AFTER INSPECTION.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL MASONRY ELEMENTS ARE PROPERLY BRACED TO RESIST WIND, BACKFILLING, AND OTHER CONSTRUCTION OCCURRENCES. BRACING SHALL REMAIN IN PLACE UNTIL THE STRUCTURE IS COMPLETED.
- 6. SEE CONCRETE NOTES FOR FILLED CELL REQUIREMENTS

STRUCTURAL TIMBER

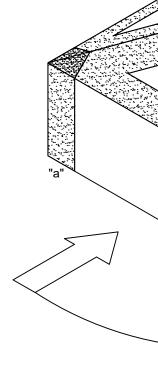
- 1. LOAD BEARING WALL FRAMING SHALL BE #2 SPRUCE PINE FIR (SPF) OR BETTER, 19% MOISTURE CONTENT, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
- 2. NON-BEARING FRAMING SHALL BE #3 SPRUCE PINE FIR (SPF) OR BETTER, 19% MOISTURE CONTENT.
- 3. TIMBER FRAMING NOTED AS PRESSURE TREATED, SHALL BE #2 SPF, AND TREATED IN ACCORDANCE WITH AWPA STANDARDS C1 AND C2
- 4. ALL EXTERIOR WOOD FRAMING SHALL BE PRESSURE TREATED.
- 5. TIMBER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS), 2001 EDITION WITH SUPPLEMENTS.
- 6. ALL SPECIFIED STEEL CONNECTION HARDWARE THAT IS NOT PRE-ENGINEERED SHALL BE HOT DIP GALVANIZED PER APPROPRIATE SPECIFICATIONS
- 7. ROOF SHEATHING SHALL CONSIST OF 7/16" INCH NOMINAL APA SPAN RATED. EXPOSURE I PLYWOOD OR ORIENTED STRAND BOARD (OSB) NAILED TO FRAMING AS SHOWN IN STRUCTURAL DETAILS. SHEATHING SHALL BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO FRAMING, AND STAGGERED ABOUT FRAMING.

PREFABRICATED WOOD TRUSSES

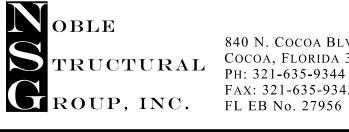
- 1. WOOD ROOF TRUSSES SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. SIGNED AND SEALED TRUSS CALCULATIONS AND DRAWINGS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO FABRICATION. DRAWINGS SHALL INCLUDE CRITICAL DIMENSIONS FOR DETERMINING FIT AND PLACEMENT. DESIGN LOADING CRITERIA IS SHOWN IN THE GENERAL NOTES ON THIS DRAWING.
- 2. ALL TRUSSES AND OTHER ROOF STRUCTURAL COMPONENTS SHALL BE FABRICATED IN A PROPERLY EQUIPPED MANUFACTURING FACILITY OF A PERMANENT NATURE. ALL TRUSSES SHALL BE FABRICATED UNDER STRICT RULES OF THE TRUSS PLATE INSTITUTE (T.P.I.)
- 3. TRUSSES SHALL BE HANDLED WITH CARE SO THAT THEY ARE NOT DAMAGED. HORIZONTAL BENDING SHALL BE KEPT OT A MINIMUM DURING ERECTION.
- 4. INSTALL ERECTION BRACING TO HOLD THE TRUSSES TRUE AND PLUMB DURING CONSTRUCTION.
- 5. TRUSS FRAMING HARDWARE NOT SHOWN ON THE DRAWINGS SHALL BE DESIGNED BY THE TRUSS ENGINEER. ALTERNATE CONNECTORS TO THOSE SHOWN ON THE DRAWINGS MAY BE SUBMITTED FOR APPROVAL.
- 6. TRUSSES SHALL BE FABRICATED FROM THE FOLLOWING MATERIALS: a. CHORDS SHALL BE A MINIMUM SIZE OF 2x4 AND SHALL BE #2 SOUTHERN YELLOW PINE OR BETTER.
- b. WEBS AND BRACING SHALL BE A MINIMUM SIZE OF 2x4 AND SHALL BE #3 SOUTHERN YELLOW PINE OR BETTER.
- c. TRUSS PLATES SHALL BE 20 GAGE MINIMUM WITH A MINIMUM YIELD OF 33000 PSI AND SHALL BE G60, COMMERCIAL CLASS HOT DIPPED GALVANIZED BEFORE STAMPING.
- 7. SEE TRUSS PLAN DRAWING IN THIS SET FOR OTHER TRUSS DESIGN INFORMATION.

COMPONE		
ZONE		
1		
2		
3		
ZONE		
4		
5		

- SURFACE.
- THIS TABLE. OF BUILDING EDGES OR CORNERS. ALL OTHER COMPONENTS SHALL USE TYPICAL PRESSURE VALUES.



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ROOF - ENCLOSED BUILDING

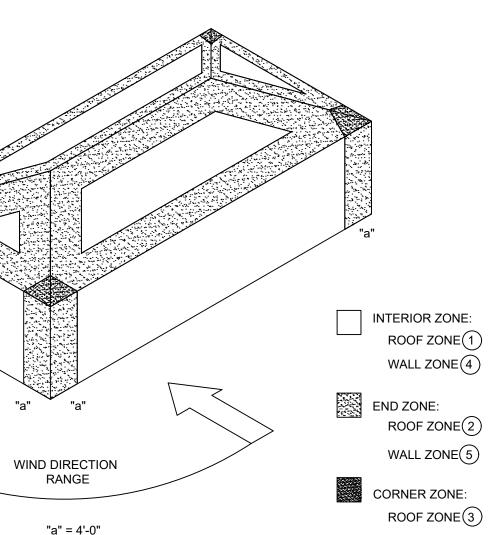
PRESSURE (PSF)

+13.9	OR	-22.2
+13.9	OR	-38.69
+13.9	OR	-38.69

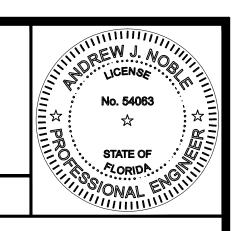
WALLS - ENCLOSED BUILDING

PRESSURE (PSF)
+24.29 OR -26.34
+24.29 OR -32.52

VALUES SHOWN FOR TABLES ABOVE ARE BASED ON NOMINAL WIND SPEED (ASD) 2. POSITIVE VALUES ACT TOWARD THE SURFACE, NEGATIVE VALUES ACT AWAY FROM THE 3. MANUFACTURING DATA FOR COMPONENTS AND CLADDING SHALL EXCEED THE VALUES SHOWN IN 4. EDGE PRESSURES NOTED SHALL BE USED FOR COMPONENTS THAT ARE LOCATED WITHIN 4 FEET



COMPONENTS & CLADDING WIND DIAGRAM ILLUSTRATIVE FIGURE ONLY N.T.S. ROOF AND WALL CONFIGURATION MAY VARY





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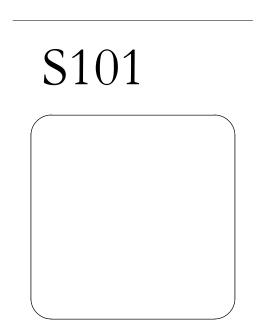
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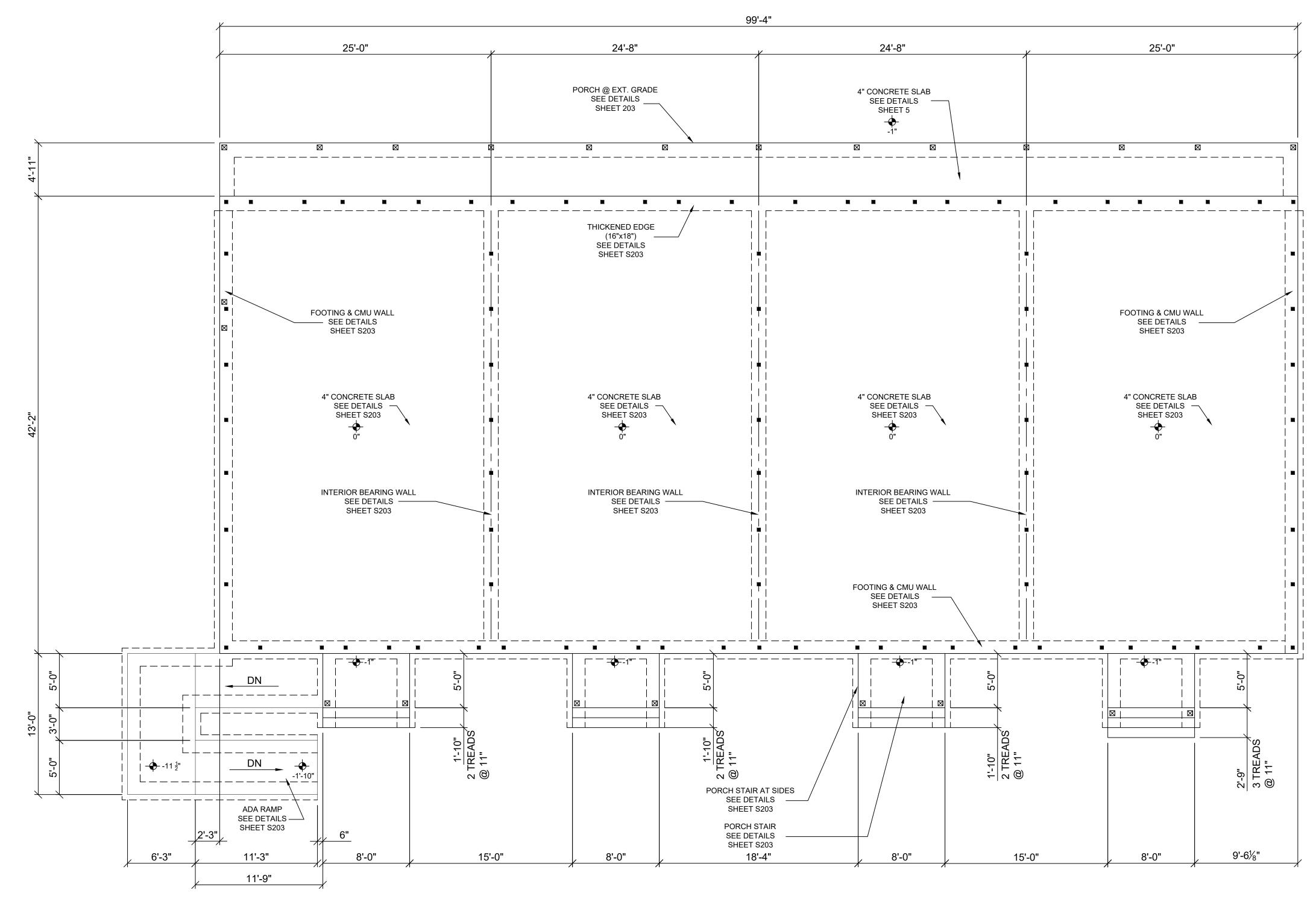
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Description	Date

STRUCTURAL GENERAL NOTES

DATE:	12/12/2023
DRAWN BY:	WN
REVISION:	-
SCALE	-





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FOUNDATION PHASE 1 PLAN

SCALE: 3/16" = 1'-0"



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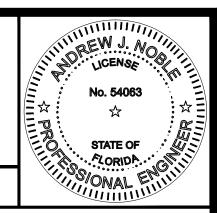
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 FL EB No. 27956
 FL EB No. 27956





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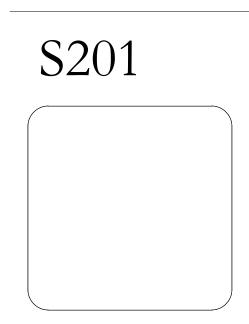
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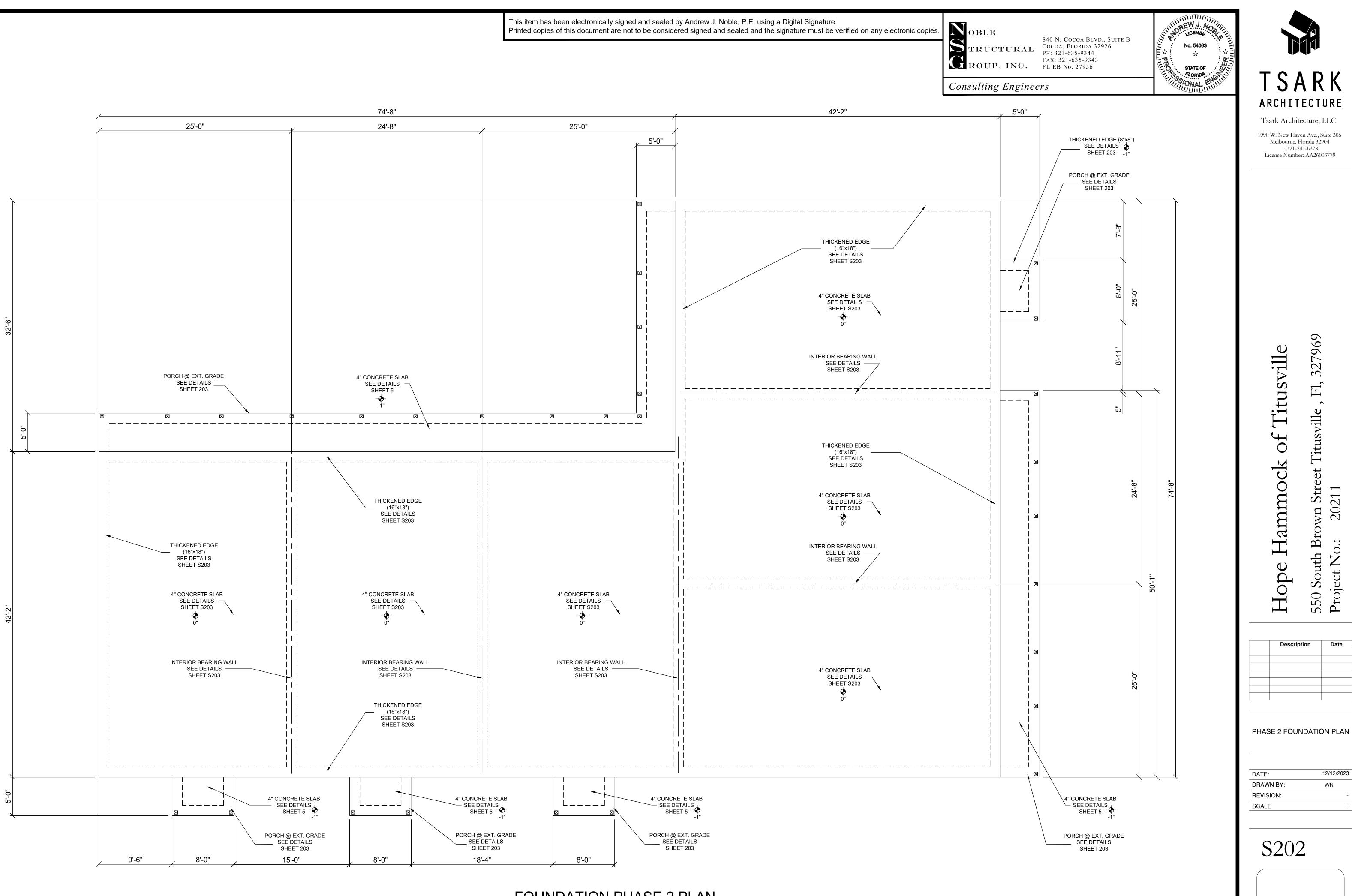
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PHASE 1 FOUNDATION PLAN

DATE:	12/12/2023
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REVISION:	-
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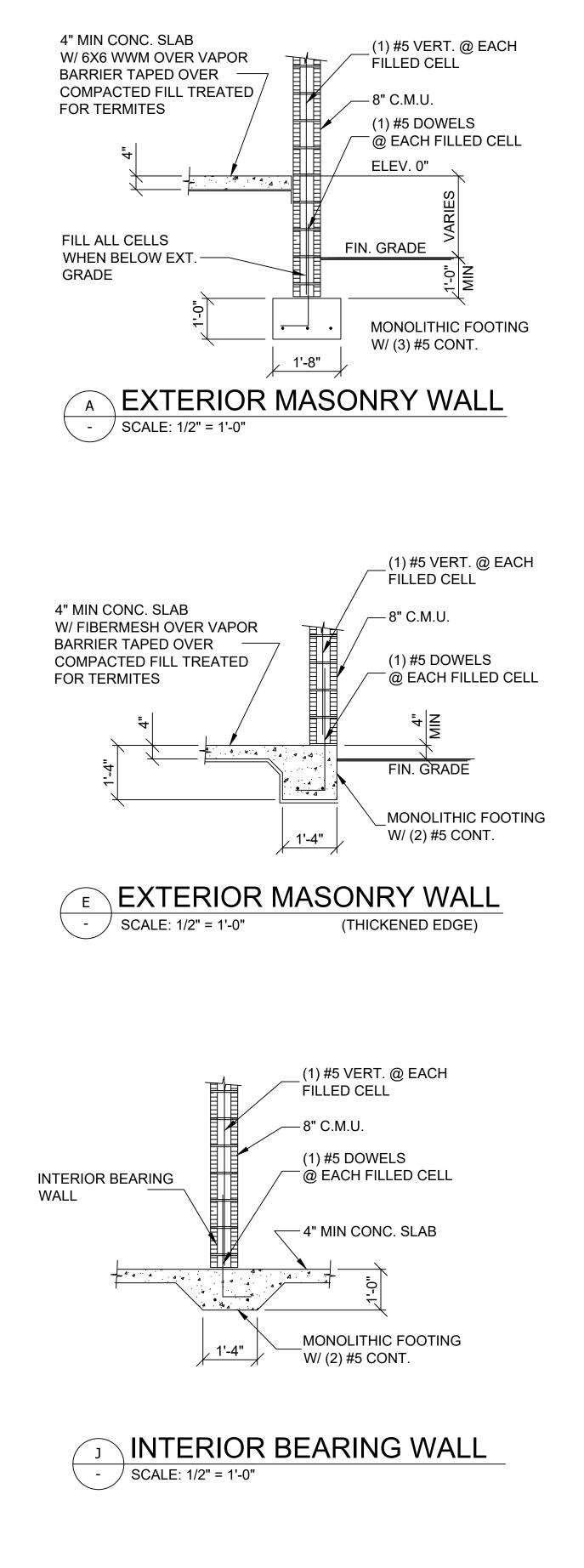
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Date

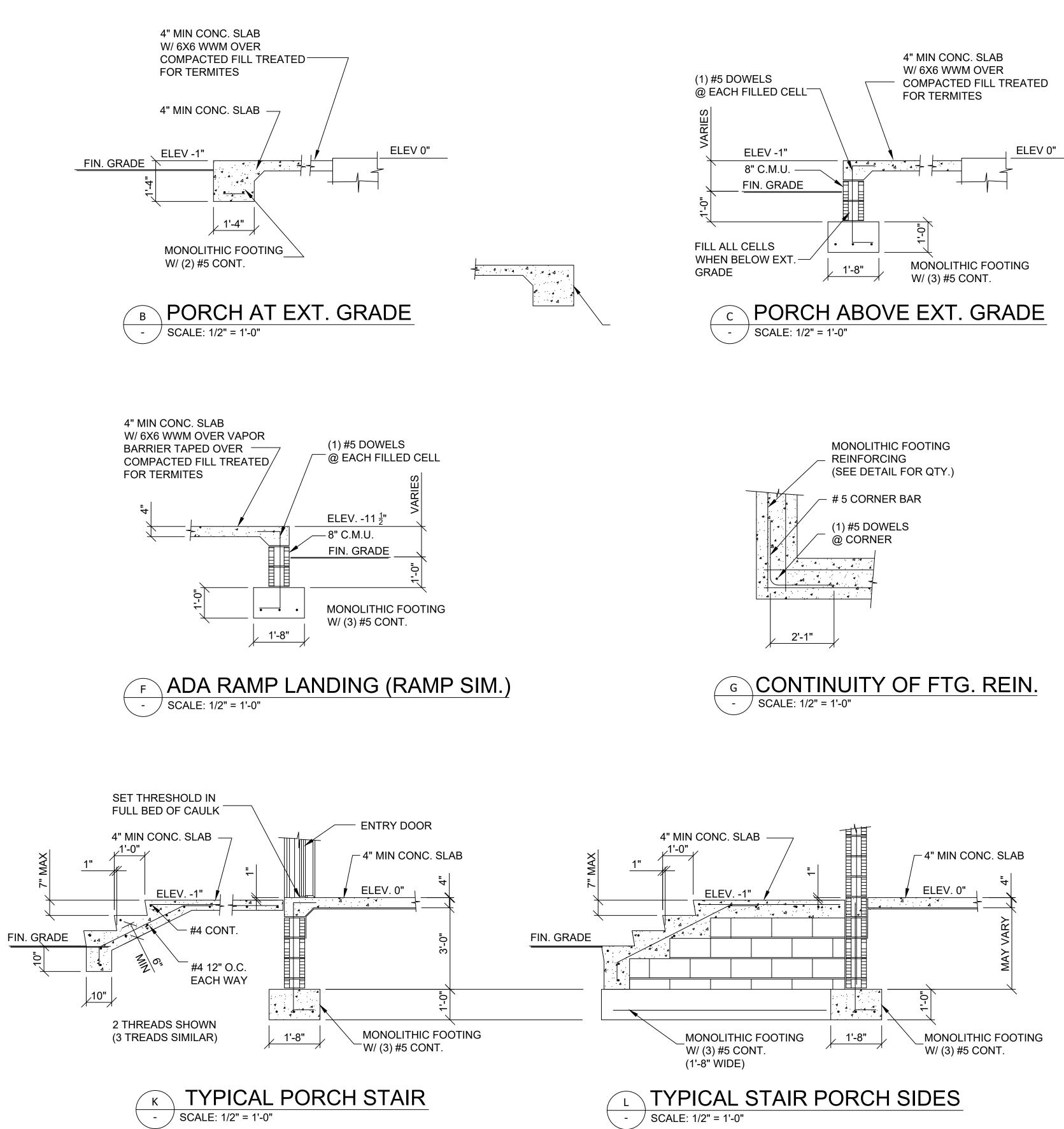
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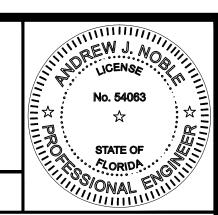
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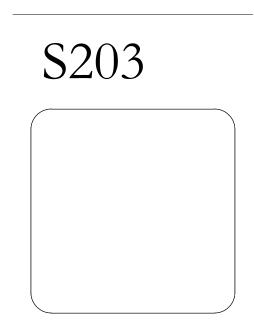
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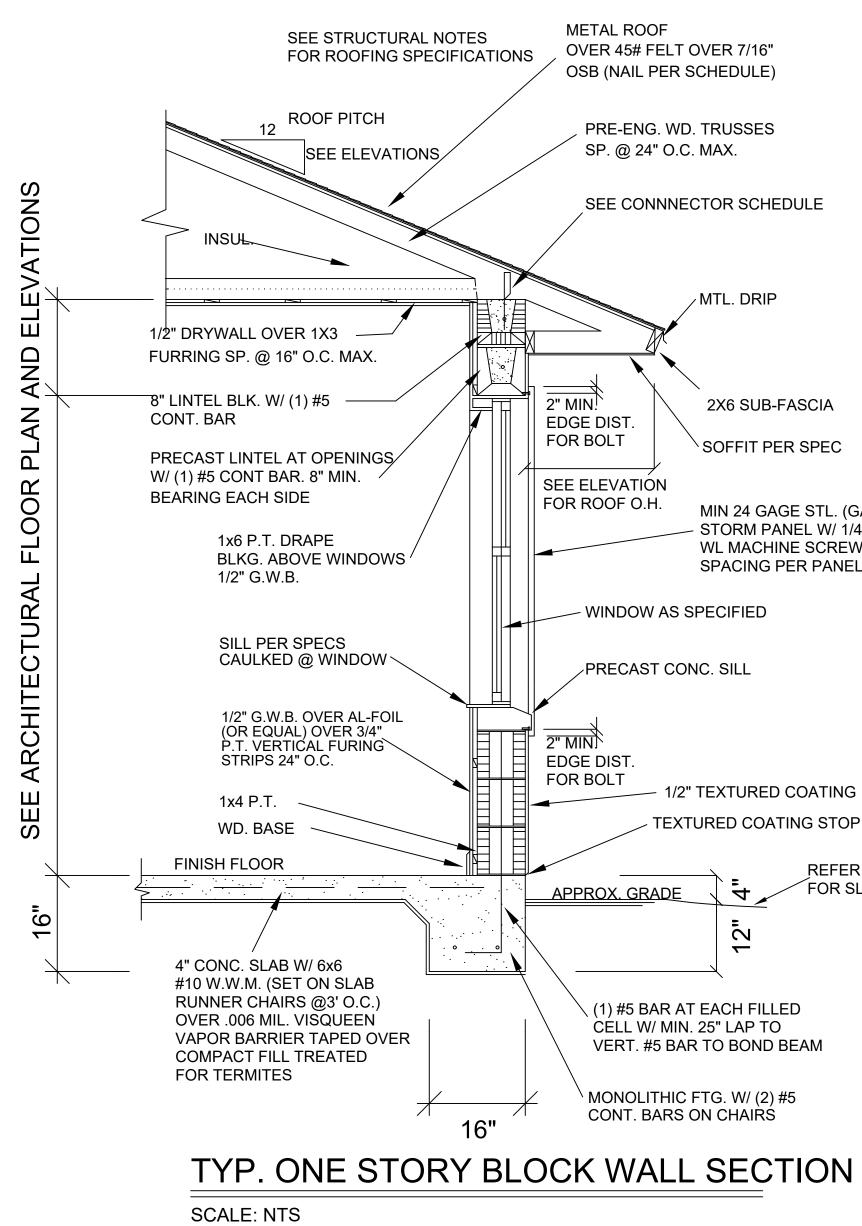
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FOUNDATION DETAILS

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SCALE	-





MONOLITHIC FTG. W/ (2) #5 CONT. BARS ON CHAIRS

VERT. #5 BAR TO BOND BEAM

CELL W/ MIN. 25" LAP TO

(1) #5 BAR AT EACH FILLED

 \sim

REFER TO SITE PLAN FOR SLOPE CONFIGURATION 4

1/2" TEXTURED COATING TEXTURED COATING STOP MIN. 4" ABOVE GRADE

PRECAST CONC. SILL

MIN 24 GAGE STL. (GALV.) (.031" MIN. THK.) STORM PANEL W/ 1/4-20x7/8", 1/2" DIA. FLOOR PLUG WL MACHINE SCREW ANCHOR 7/8" MIN. EMBEDMENT SPACING PER PANEL MFG. (SEE SHUTTER SPAN TABLE)

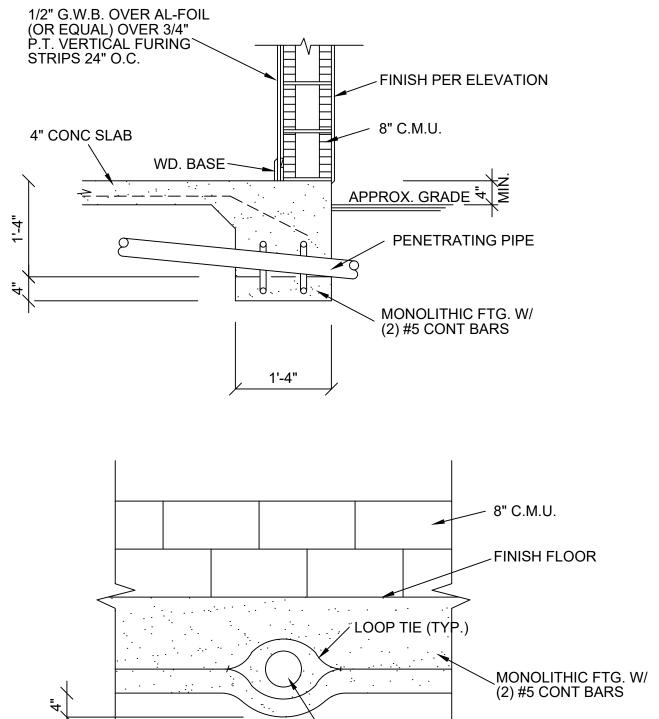
2X6 SUB-FASCIA [\]SOFFIT PER SPEC

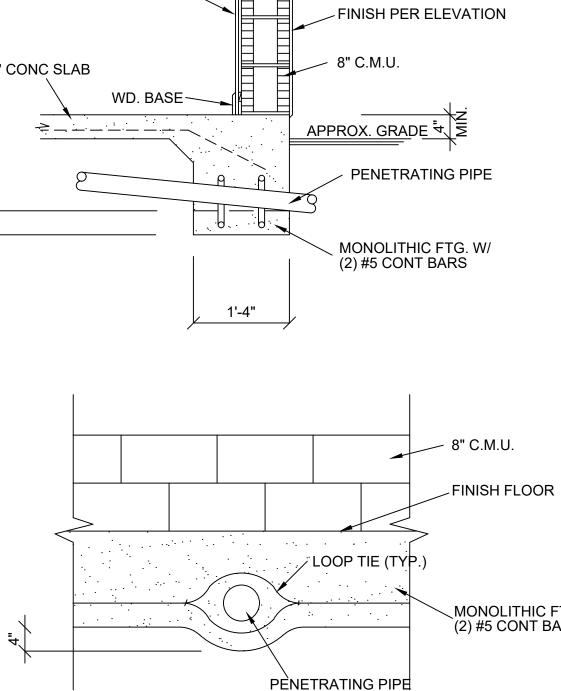
/ MTL. DRIP

PRE-ENG. WD. TRUSSES SP. @ 24" O.C. MAX. SEE CONNNECTOR SCHEDULE

OVER 45# FELT OVER 7/16" OSB (NAIL PER SCHEDULE)

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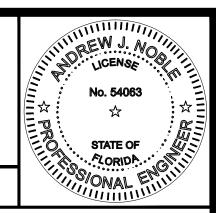


PIPE PENETRATION DETAIL SCALE: 1/2"=1'-0"

Noble **TRUCTURAL**

Consulting Engineers

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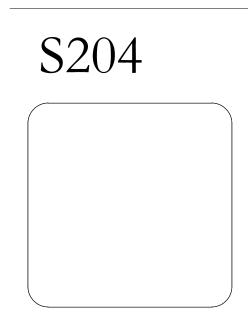
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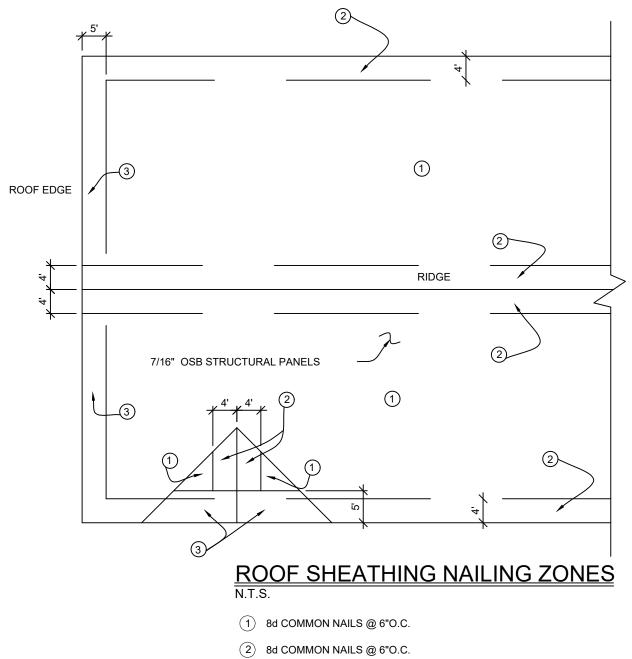
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PÈNETRATING PIPE

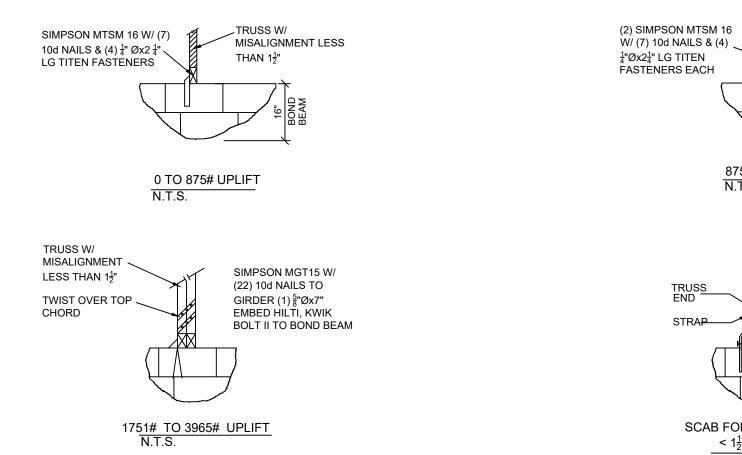
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Description MISC DETAILS DATE: DRAWN BY: **REVISION:** SCALE

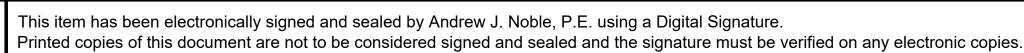


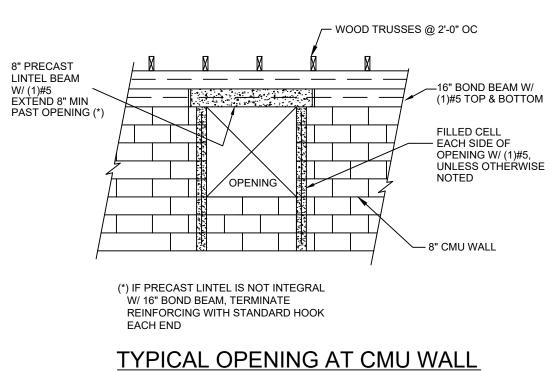


(3) 8d COMMON NAILS @ 6"O.C.



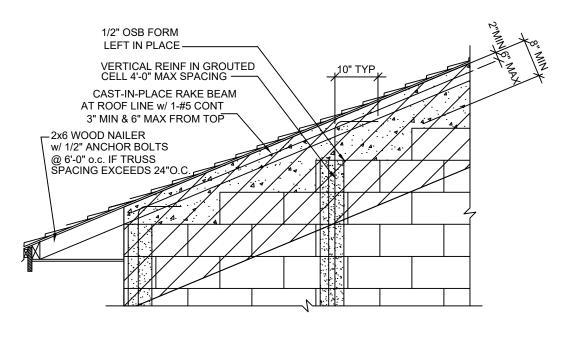
MISALIGNED OR OMITTED TRUSS REPAIR DETAILS N.T.S.





N.T.S.

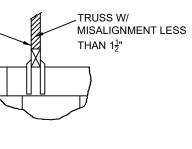
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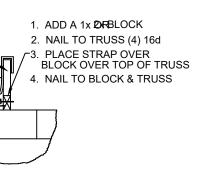
CONTINUOUS DEMISING WALL REINFORCEMENT SCALE: 1/2"=1'-0"



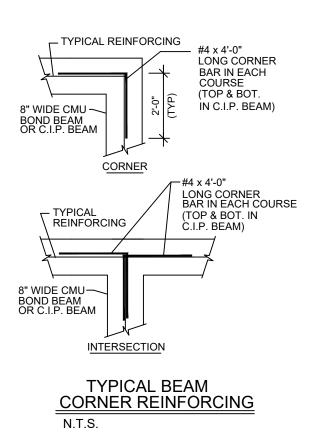




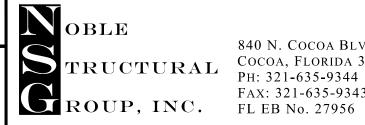
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SCAB FOR MISALIGNMENTS < 1<u>1</u>" BUT > 1/2" N.T.S.

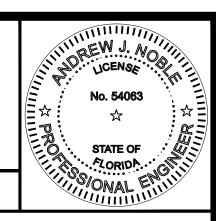






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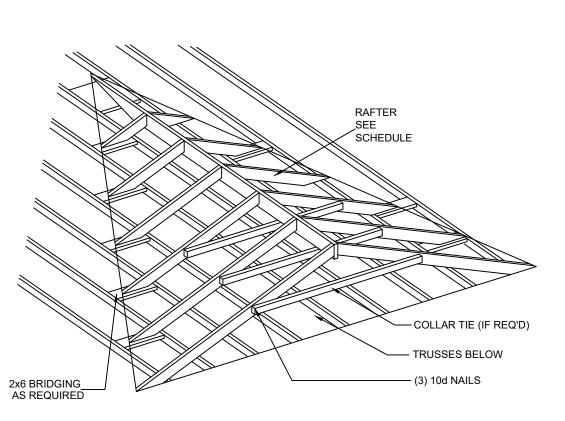
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VALLEY FRAMING DETAIL SCALE: 1/2"=1'-0"

1. ALL VALLEY FRAMING RAFTERS SHALL BE SPACED AT 24 INCH MAXIMUM CENTERS AND SHALL BE SIZED AS SHOWN IN THE SCHEDULE BELOW. 2. RAFTERS WITH THE LENGTHS OF 10'-0" TO 18'-0" REQUIRE A 2x4 COLLAR TIE AT MID-SPAN, RAFTER LENGTHS GREATER THAN 18'-0" ARE NOT PERMITTED. 3. RIDGE BOARD SHALL BE 2x (DEPTH OF DEEPEST RAFTER IN VALLEY SET). **VALLEY RAFTERS LESS THAN 7'-0" MAY BE 2X4's

RAFTER SPAN	MEMBER SIZE	ATTACHMENT TO RIDGE
0'-0" to 4'-0"	2x6	2 16d TOE NAILS
4'-1" to 10'-0"	2x6	4 16d TOE NAILS
10'-1" to 13'-6"	2x8	2 16d TOE NAILS & 1 SIMPSON H5 OR EQUIVALENT
13'-7" to 18'-0"	(2) 2x8	2 16d TOE NAILS & 2 SIMPSON H5 OR EQUIVALENT

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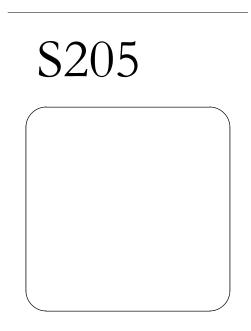
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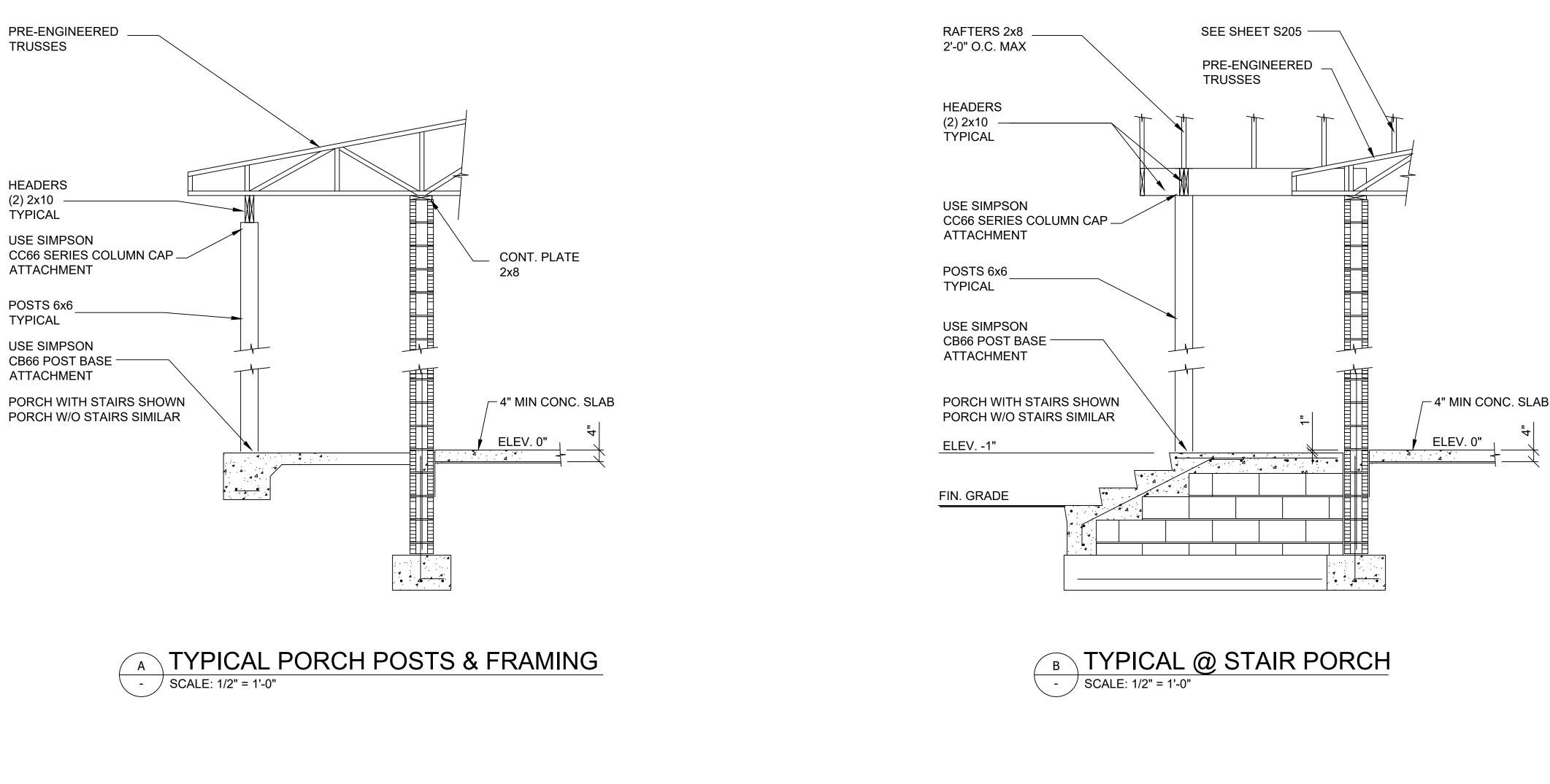
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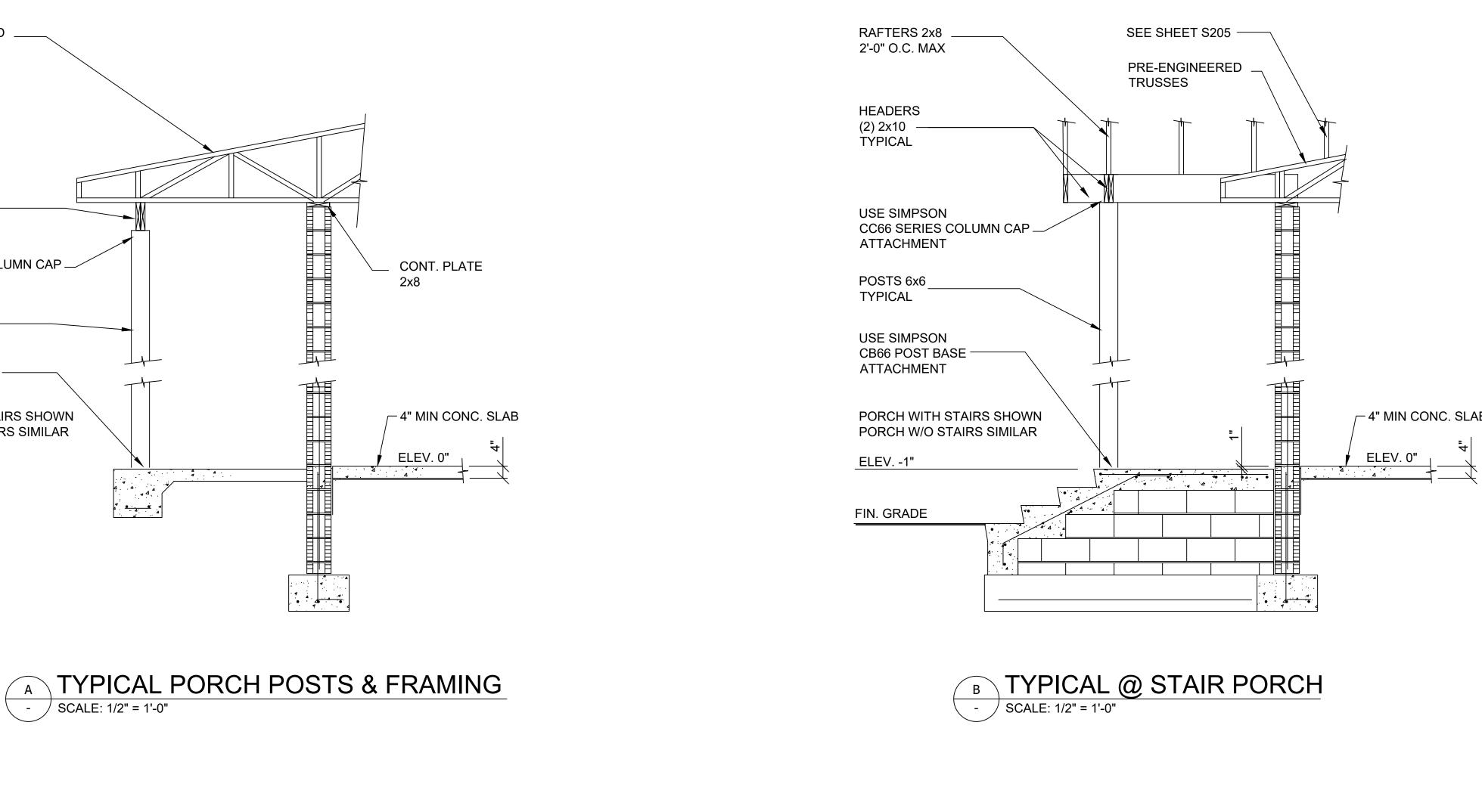
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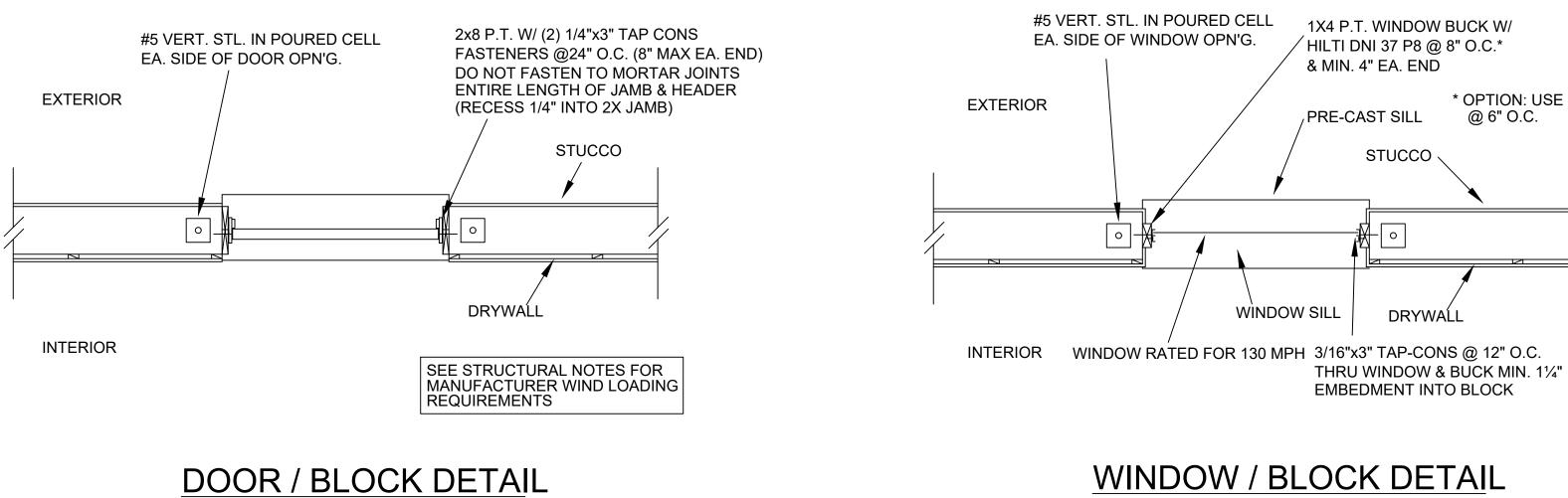
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SCALE	-

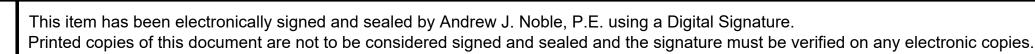










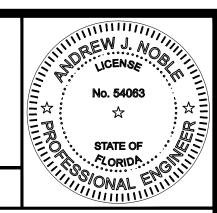






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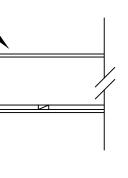




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* OPTION: USE "T" NAILS @ 6" O.C.



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SCALE: 1/2"=1'-0"

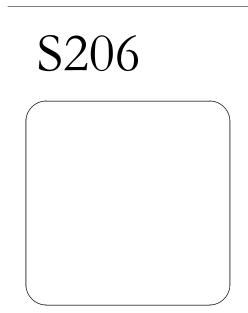
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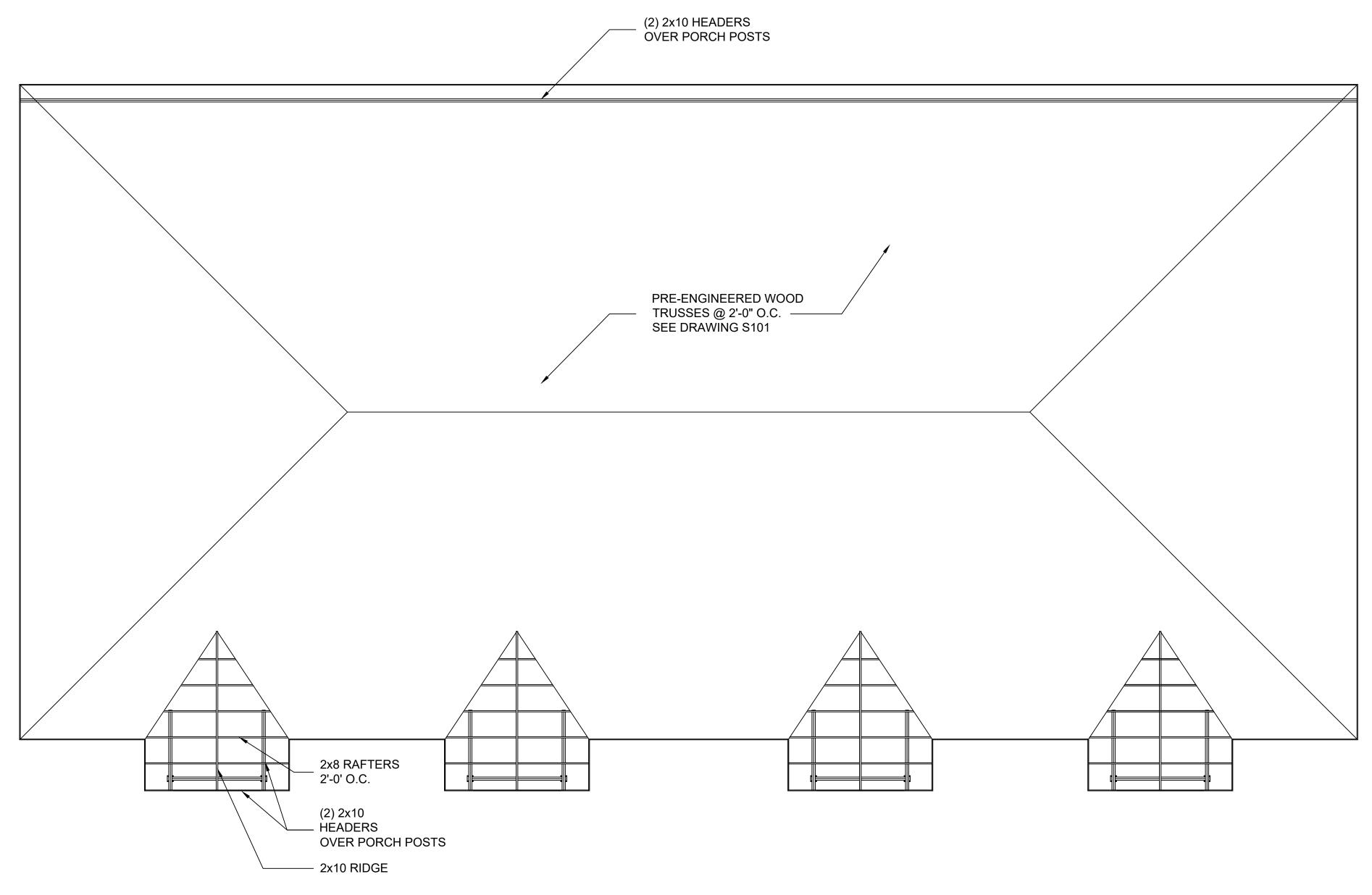
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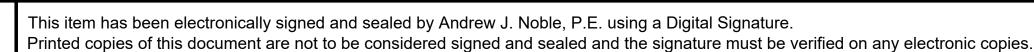
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12/12/2023 DRAWN BY: WN **REVISION:** -SCALE -





SCALE: 3/16" = 1'-0"



TRUSS CONNECTOR NOTE

TRUSS TO MASONRY CONNECTORS WITH NO IDENTIFYING MARK ARE TYPE "A" IN TRUSS CONNECTOR SCHEDULE.

2. TRUSS TO WOOD FRAME CONNECTIONS WITH NO IDENTIFYING MARK ARE TYPE "F" IN THE TRUSS CONNECTOR SCHEDULE.

UPLIFT MARK CAPACITY CONN SIMPSO (A) 1450 (2) SIMP 1985 (\mathbf{B}) SIMPSO (C) 2480 SIMPSO (D) 4940 (2) SIMP (E) 7185 USP HTS USP SPH F 1000 USP SPH 1/2" ANC (2) USP USP SPI G 1556 USP SPH 1/2" ANC (2) USP (2) USP (\mathbf{H}) 2900 (2) USP 1/2" ANC SIMPSO J 3610 SIMPSO SIMPSO (H1) SIMPSO 1550 SIMPSO (H2) 1550 (H3) 2000 SIMPSO (H4) SIMPSO 3295 (H5) SIMPSO 1135 3375 SIMPSO (H6) (H7) 2715 SIMPSO SIMPSO 6710 **C1** SIMPSO 5680

NOTES

- MANUFACTURER.

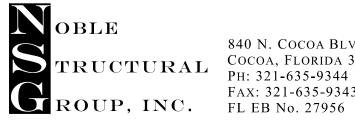
- OMITTED TRUSS CONNECTORS.
- **BEEN INCREASED BY 33%**

WOOD TRUSS BRACING NOTES.

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- a. b.
- c. LAP CLB, WHERE REQUIRED, 2'-0" MINIMUM.

ROOF TRUSS LAYOUT PHASE 1 PLAN



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TRUSS CONNECTOR SCHEDULE

NECTOR TYPE	FRAMING LOCATION
ON META 20 W/ (8) 10D	TRUSS TO BOND BEAM
PSON META 20 W/(10) 10D EACH	TRUSS TO BOND BEAM
ON DETAL 20 W/(9) 10D	TRUSS TO BOND BEAM
ON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM
PSON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM
FS12 W/ (14) 10D	TRUSS TO TOP PLATE
PH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD
PH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE
CHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
P HTS12 W/ (14) 10D	TRUSS TO TOP PLATE
PH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD
PH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE
CHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
P HTS12 W/ (20) 10D	TRUSS TO TOP PLATE
P HTS12 W/ (20) 10D	TOP PLATE TO STUD
P HTS12 W/ (20) 10D	STUD TO BOTTOM PLATE
CHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
ON HTT4 (PER MFG INSTALLATION)	TRUSS TO TOP PLATE
ON HTT4 (PER MFG INSTALLATION)	TOP PLATE TO (2) STUDS MIN
ON HTT4 (PER MFG INSTALLATION)	STUDS TO BOTTOM PLATE
ON HUS 26 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER
ON HUS 26-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER
ON HUS 28-2 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER
ON HUS 210-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER
ON HUC 410 (PER MFG INSTALLATION)	WOOD HEADER TO CMU
ON MBHA (PER MFG INSTALLATION)	WOOD HEADER TO CMU
ON MBHU3.56/16KT (PER MFG INST.)	LVL TO CMU
ON CB SERIES (PER MFG INSTALLATION)	WOOD POST BASE
ON CC SERIES (PER MFG INSTALLATION)	WOOD POST CAP

1. CONNECTORS OF EQUAL CAPACITY AND FUNCTION MAY BE SUBSTITUTED FOR THOSE SHOWN IN SCHEDULE 2. WORK THIS SCHEDULE WITH A SIGNED AND SEALED TRUSS DESIGN PACKAGE PROVIDED BY THE TRUSS

3. ALL CONNECTION HARDWARE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

4. TRUSS TO TRUSS CONNECTIONS SHALL BE DESIGNED BY, AND SUPPLIED BY THE TRUSS MANUFACTURER. 5. (1) 2X PLY OF BLOCKING MAY BE USED FOR SHIMMING PURPOSES WHERE REQUIRED BY CONNECTOR WIDTH 6. SEE STRUCTURAL DETAIL SHEET IN PROJECT DRAWING SET FOR REMEDIAL DETAILS FOR MISALIGNED OR

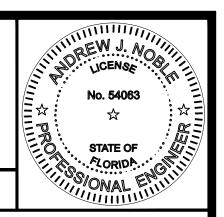
7. CAPACITY REPRESENTS THE MANUFACTURER'S LOAD RATING FOR THE CONNECTOR. THIS VALUE HAS NOT

1. TEMPORARY BRACING OF PRE-ENGINEERED TRUSSES IS THE RESPONSIBILITY OF THE TRUSS ERECTOR AND SHALL BE IN ACCORDANCE WITH HIB-91 BY THE TRUSS PLATE INSTITUTE.

2. PERMANENT BRACING SHALL BE PLACED AT LOCATIONS REQUIRED ON THE TRUSS SHOP DRAWINGS, NOT TO EXCEED 20'-0" AND SHALL MEET THE FOLLOWING MINIMUM CRITERIA:

1X4 CONTINUOUS LATERAL BRACING (CLB) PLACED FLAT AGAINST THE TRUSS MEMBER IT IS BRACING (2) 16D NAILS AT EACH INTERSECTION BETWEEN CLB AND TRUSS MEMBER

3. ALL PERMANENT BRACING MUST BE IN PLACE PRIOR TO APPLICATION OF TRUSS DESIGN LOADS. 4. PROVIDE X-BRACING AT THE ENDS OF BRACING LINES.





Tsark Architecture, LLC

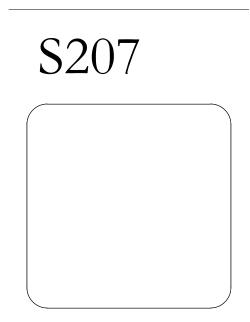
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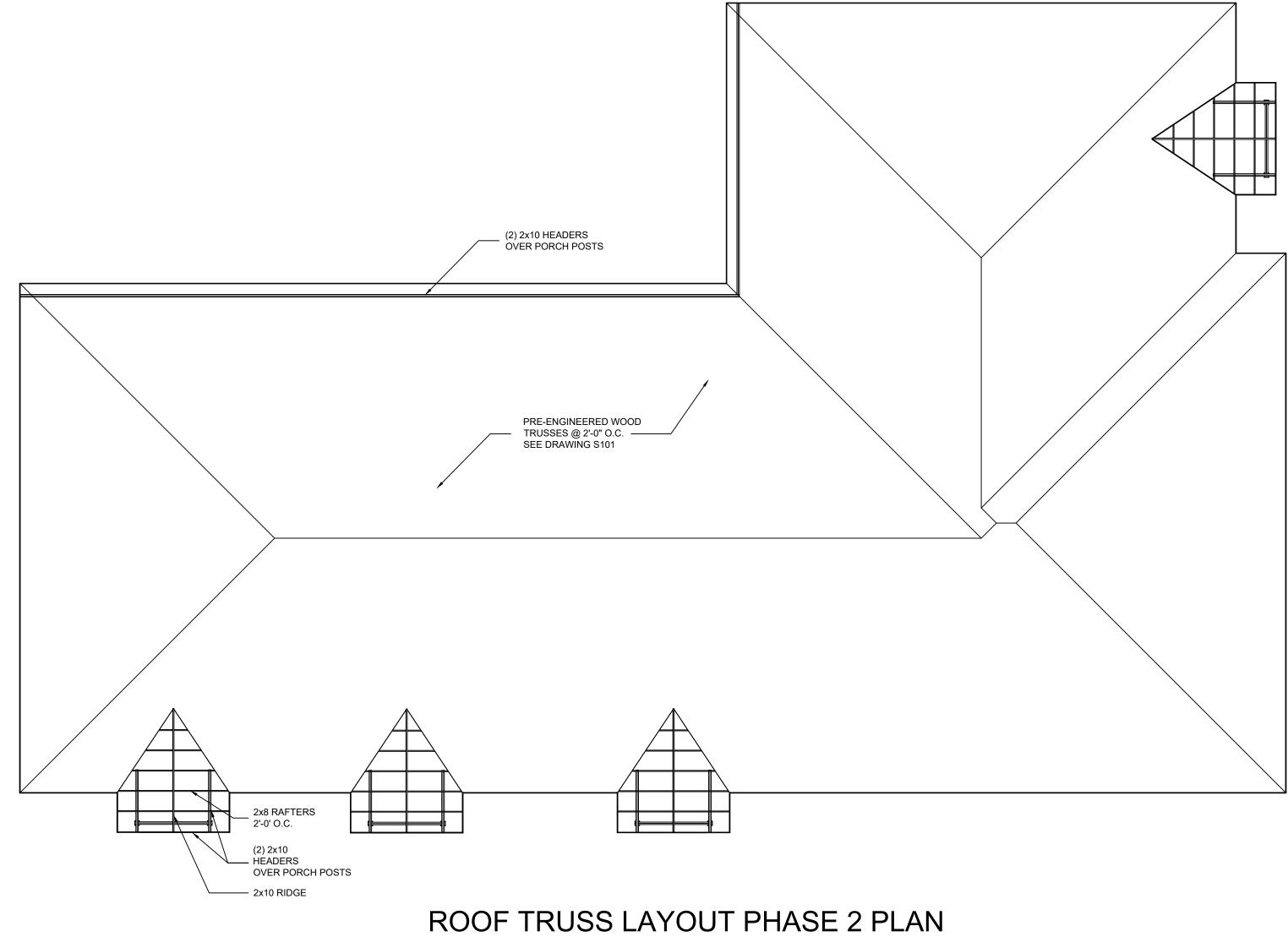
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Description	Date

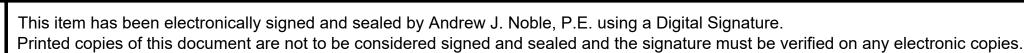
ROOF TRUSS LAYOUT PHASE 1

DATE:	12/12/2023
DRAWN BY:	WN
REVISION:	-
SCALE	-





SCALE: 1/8" = 1'-0"



TRUSS CONNECTOR NOTE

TRUSS TO MASONRY CONNECTORS WITH NO IDENTIFYING MARK ARE TYPE "A" IN TRUSS CONNECTOR SCHEDULE.

2. TRUSS TO WOOD FRAME CONNECTIONS WITH NO IDENTIFYING MARK ARE TYPE "F" IN THE TRUSS CONNECTOR SCHEDULE.

MARK	UPLIFT CAPACITY	CONNECTOR TYPE	FRAMING LOCATION
A	1450	SIMPSON META 20 W/ (8) 10D	TRUSS TO BOND BEAM
B	1985	(2) SIMPSON META 20 W/(10) 10D EACH	TRUSS TO BOND BEAM
C	2480	SIMPSON DETAL 20 W/(9) 10D	TRUSS TO BOND BEAM
D	4940	SIMPSON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM
E	7185	(2) SIMPSON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM
		USP HTS12 W/ (14) 10D	TRUSS TO TOP PLATE
	1000	USP SPH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD
(F)	1000	USP SPH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE
		1/2" ANCHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
		(2) USP HTS12 W/ (14) 10D	TRUSS TO TOP PLATE
	1556	USP SPH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD
G	1550	USP SPH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE
		1/2" ANCHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
		(2) USP HTS12 W/ (20) 10D	TRUSS TO TOP PLATE
(H)	2900	(2) USP HTS12 W/ (20) 10D	TOP PLATE TO STUD
	2900	(2) USP HTS12 W/ (20) 10D	STUD TO BOTTOM PLATE
		1/2" ANCHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
		SIMPSON HTT4 (PER MFG INSTALLATION)	TRUSS TO TOP PLATE
	3610	SIMPSON HTT4 (PER MFG INSTALLATION)	TOP PLATE TO (2) STUDS MIN
		SIMPSON HTT4 (PER MFG INSTALLATION)	STUDS TO BOTTOM PLATE
H1	1550	SIMPSON HUS 26 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER
H2	1550	SIMPSON HUS 26-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER
H3	2000	SIMPSON HUS 28-2 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER
H4	3295	SIMPSON HUS 210-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER
H5	1135	SIMPSON HUC 410 (PER MFG INSTALLATION)	WOOD HEADER TO CMU
H6	3375	SIMPSON MBHA (PER MFG INSTALLATION)	WOOD HEADER TO CMU
H7	2715	SIMPSON MBHU3.56/16KT (PER MFG INST.)	LVL TO CMU
©1 -	6710	SIMPSON CB SERIES (PER MFG INSTALLATION)	WOOD POST BASE
	5680	SIMPSON CC SERIES (PER MFG INSTALLATION)	WOOD POST CAP

NOTES

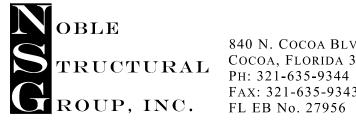
- MANUFACTURER.
- SPECIFICATIONS AND RECOMMENDATIONS.

- OMITTED TRUSS CONNECTORS.
- BEEN INCREASED BY 33%

WOOD TRUSS BRACING NOTES.

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- a.
- b. c. LAP CLB, WHERE REQUIRED, 2'-0" MINIMUM.



840 N. COCOA BLVD., SUITE B Cocoa, Florida 32926 Ph: 321-635-9344 FAX: 321-635-9343

Consulting Engineers

TRUSS CONNECTOR SCHEDULE

1. CONNECTORS OF EQUAL CAPACITY AND FUNCTION MAY BE SUBSTITUTED FOR THOSE SHOWN IN SCHEDULE 2. WORK THIS SCHEDULE WITH A SIGNED AND SEALED TRUSS DESIGN PACKAGE PROVIDED BY THE TRUSS

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Tsark Architecture, LLC

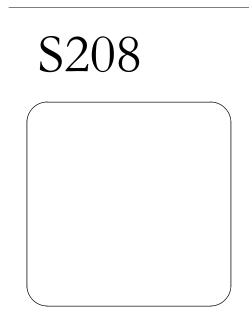
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Description	Date

ROOF TRUSS LAYOUT PHASE 2

DATE:	12/12/2023
DRAWN BY:	WN
REVISION:	-
SCALE	-



FORM R405-2020

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: HOPE HAMMOCK OF TI Street: 550 SOUTH BROWN STF City, State, Zip: TITUSVILLE , FL , 32796 Owner: Design Location: FL, Orlando	REET	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Brevard (Florida Climate Zo	one 2)
 New construction or existing Single family or multiple family Number of units, if multiple family Number of Bedrooms 	New (From Plans) Attached 1 3 No 1059 0 Area 125.00 ft ² ft ² ft ² ft ² ft ²	 10. Wall Type\$1329.2 sqft.) a. Concrete Block - Int Insul, Exterior b. Frame - Wood, Common c. N/A d. N/A 11. Ceiling Types (1059.0 sqft.) a. Cathedral/Single Assembly (Vented) b. N/A c. N/A 12. Ducts a. Sup: 1st Floor, Ret: 1st Floor, AH: 1st 13. Cooling systems a. Central Unit 14. Heating systems 	Insulation Area R=9.4 925.00 ft ² R=4.0 404.17 ft ² R= ft ² R= ft ² Insulation Area R=30.0 1059.00 ft ² R= ft ² R= ft ² R= ft ² R= ft ² R ft ² t Floor 6 75 kBtu/hr Efficiency 18.0 SEER:14.00
Area Weighted Average SHGC: 8. Skylights c. U-Factor:(AVG) N/A SHGC(AVG): N/A 9. Floor Types (1059.0 sqft.) Insu a. Slab-On-Grade Edge Insulation R=0 b. N/A R= c. N/A R=	ft²	 a. Electric Strip Heat 15. Hot water systems a. Electric b. Conservation features None 16. Credits 	14.0 COP:1.00 Cap: 50 gallons EF: 0.920 None
- Glass/Floor Area: 0.118	Total Proposed Modified Total Baseline I		PASS
I hereby certify that the plans and specifica this calculation are in compliance with the I Code. PREPARED BY: <u>KEITH PRZECLAWS</u> DATE: <u>12-19-2023</u> I hereby certify that this building, as design with the Florida Energy Code. OWNER/AGENT: DATE:	Florida Energy	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.	COP WE TRUST

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.35 ACH50 (R402.4.1.2).

	2020	INPUT SL		PROJEC								
Title: Building Type Owner Name # of Units: Builder Name Permit Office Jurisdiction: Family Type: New/Existing Comment:	e: 1 e: :: Attached		Bedrooms: Conditioner Total Storie Worst Case Rotate Ang Cross Vent Whole Hou	3 d Area: 1 es: 1 e: N le: 0 ilation:	059		Lot # Block PlatB Stree Coun	:/Subdivisi ook: t:	ion: 550 Bre	eet Addre 0 SOUTH evard USVILLE , 3279	I BROW	VN S
				CLIMAT	E							
√ р	esign Location	TMY Site		Des 97.5	ign Temp % 2.5 %		sign Tem r Summ		ating ee Days		n Daily re Ra	/ Temp ange
	FL, Orlando	FL_ORLANDO_IN	TL_AR	41	91	70	75	5	526	44	M	edium
				BLOCK	S							
Number	Name	Area	Volume									
1	Block1	1059	10590									
				SPACE	S							
Number	Name	Area	Volume k	Kitchen C	occupants	Bedroo	ms Ir	nfil ID F	inished	Coo	led	Heat
1	1st Floor	1059	10590	Yes	4	3	1	١	/es	Yes		Yes
				FLOOR	S							
/ #	Floor Type	Space	Perin	neter R	-Value	Area			Т	Tile Wo	ood Ca	arpet
18	Slab-On-Grade Edge	Insulatio 1st F	Floor 134	ft	0.8	1059 ft ²				0 0)	1
				ROOF								
V #	Туре	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pito (de
1	Gable or shed	Flat tile/slate	1147 ft ²	220 ft ²	Medium	N	0.96	No	0.9	No	30	22.
				ATTIC								
V #	Туре	Ventila	ation	Vent Ratio ((1 in)	Area	RBS	IRC	;C			
1	No attic	Vent	ed	300	1	059 ft ²	Ν	N				
				CEILING	3							
V #	Ceiling Type		Space	R-Value	Ins Ty	ре	Area	Frami	ing Frac	Truss	Туре	

FORM R405-2020

INPUT SUMMARY CHECKLIST REPORT

						WA	LLS							
V #	Ornt	Adjao To	ent	Туре	Space	Cavity R-Value	Wid Ft		Height Ft In	Area		ing Framing Je Fractior		
1	Omi N	Exterio		ncrete Block - Int I			FL 25		сцана 0	251.7 ft ²			0.75	
2	Е	Neighbo	or Fra	me - Wood	1st Floor	· 4	40		0	404.2 ft ²		0.12	0.75	C
3	S	Exterio		ncrete Block - Int			25		0	251.7 ft ²		0	0.75	
4	W	Exterio		ncrete Block - Int			42		0	421.7 ft ²		0	0.75	
							ORS		-			-		
		0		Desertaria	0	00	UKS	01	11.) /-1		Width	Heig	ht	A
	#	Orr	11	Door Type	Space			Storms	U-Valu	F		Ft	In	Area
	1	N		Wood	1st Floor			None	.2	3	3 2	8		25.3 ft ²
	2	S		Wood	1st Floor			None	.2	3	3 2	8		25.3 ft²
				0	rientation show		DOWS		oriontation					
/		Wal	1	0	nemation show		ileieu, r	Toposeu	Unentation		rhang			
\checkmark	# (Ornt ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		Separatio	on Int Sh	nade	Screeni
	1	N 1	Wood	Double (Clear)	Yes	0.4	0.25	Ν	50.0 ft ²	0 ft 0 in	0 ft 0 in	No	ne	None
	2	S 3	Wood	Double (Clear)	Yes	0.4	0.25	Ν	50.0 ft ²	0 ft 0 in	0 ft 0 in	No	ne	None
	3	W 4	Wood	Double (Clear)	Yes	0.4	0.25	Ν	25.0 ft ²	0 ft 0 in	0 ft 0 in	No	ne	None
	Ũ													
	0					INFILT	RATIC	N						
 			Method		SLA C	INFILT	RATIC		qLA	ACH	A	CH 50		
	Scope			CH(50) .0				E	qLA 7.21	ACH .1176		CH 50 5.3475		
	Scope		Method	CH(50) .0	0034	CFM 50	ELA 51.78	E 9						
	Scope		Method posed AC		0034	CFM 50 943.8	ELA 51.78	E 9	7.21				Block	Ducts
	Scope	e Proj System	Method posed AC	S	0034 I	CFM 50 943.8 HEATING	ELA 51.78	е 9 Г ЕМ	7.21 y (.1176			Block 1	
	Scope blehouse #	e Proj System	Method bosed AC	S	0034 I ubtype lone	CFM 50 943.8 HEATING	ELA 51.78	9 FEM Efficienc COP:1	7.21 y (.1176 Capacity				
	Scope blehouse #	e Proj System	Method bosed AC Type Strip Hea	S at/ N	0034 I ubtype lone	CFM 50 943.8 HEATINC Speed	ELA 51.78 3 SYS ⁻ 3 SYS ⁻	9 FEM Efficienc COP:1	7.21 y (.1176 Capacity 4 kBtu/hr				sys#1
	Scope blehouse # 1	e Prop System Electric	Method bosed AC Type Strip Hea Type	S at/ N S	0034 ubtype lone	CFM 50 943.8 HEATINC Speed	ELA 51.78 5 SYS 5 SYS	E 9 FEM Efficienc COP:1 TEM	7.21 y (14	.1176 Capacity 4 kBtu/hr ity A	5	5.3475	1	sys#1 Ducts
	Scope blehouse # 1 #	e Prop System Electric System	Method bosed AC Type Strip Hea Type	S at/ N S	0034 ubtype one ubtype plit	CFM 50 943.8 HEATING Speed COOLING Subtype	ELA 51.78 5 SYS 5 SYS 6 E 8	Efficience COP:1 TEM Efficiency SEER: 14	7.21 y (14	.1176 Capacity 4 kBtu/hr ity A	tir Flow	5.3475 SHR	1 Block	sys#1 Ducts
	Scope blehouse # 1 #	e Prop System Electric System Central	Method bosed AC Type Strip Hea Type	s at/ N S S	0034 ubtype one ubtype plit	CFM 50 943.8 HEATINC Speed COOLINC Subtype Singl	ELA 51.78 5 SYS 5 SYS 6 E 8	Efficience COP:1 TEM Efficiency EER: 14 STEM	7.21 y (14	.1176 Capacity 4 kBtu/hr ity A	sir Flow 40 cfm	5.3475 SHR 0.75	1 Block	Ducts sys#1 Ducts sys#1
	Scope blehouse # 1 1 #	e Prop System Electric System Central	Method posed AC Type Strip Hea Type Unit/	sat/ N S SubType	0034	CFM 50 943.8 HEATINC Speed COOLINC Subtype Singl	ELA 51.78 5 SYS 5 SYS E ER SYS	Efficiency COP:1 TEM Efficiency SEER: 14 STEM	7.21 <u>y (</u> 14 • Capac • 18 kBtu	.1176 Capacity 4 kBtu/hr ity A /hr 54	sir Flow 40 cfm	5.3475 SHR 0.75 Cons	1 Block 1	sys#1 Ducts
	Scope blehouse # 1 # 1 # 1	e Prop System Electric System Central	Method posed AC Type Strip Hea Type Unit/	sat/ N S SubType	0034	CFM 50 943.8 HEATING Speed COOLING Subtype Singl DT WATI	ELA 51.78 5 SYS 5 SYS 5 SYS ER SYS Ca 50 g	E 9 FEM Efficiency COP:1 TEM Efficiency SEER: 14 STEM p al	7.21 <u>y (</u> 14 <u>Capac</u> 18 kBtu <u>Use</u> 70 gal	.1176 Capacity 4 kBtu/hr ity A /hr 54 SetPr	sir Flow 40 cfm	5.3475 SHR 0.75 Cons	1 Block 1	sys#1 Ducts
	Scope blehouse # 1 # 1 # 1	e Prop System Electric System Central System Electri	Method posed AC Type Strip Hea Type Unit/	Sat/ N Sat/ N S SubType None	0034	COOLINC Subtype Singl CT WATI EF 0.92	ELA 51.78 5 SYS 5 SYS 6 E 5 SYS 7 E 50 g 7 ATER	Efficience COP:1 TEM Efficiency Efficiency EER: 14 STEM p al SYST	7.21 <u>y (</u> 14 <u>Capac</u> 18 kBtu <u>Use</u> 70 gal	.1176 Capacity 4 kBtu/hr ity A /hr 54 SetPr 120 de	sir Flow 40 cfm	5.3475 SHR 0.75 Cons	1 Block 1 servation Jone	sys#1 Ducts

FORM R405-2020

INPUT SUMMARY CHECKLIST REPORT

							DUCTS								
\checkmark	#	Sup Location R	oply 2-Value Area		Retu ation	ırn Area	Leakag	је Туре	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV/ Heat	AC # Cool
	1	1st Floor	6 75 ft ²	1st	Floor	0 ft ²	Default	Leakage	1st Floor	(Default)	(Defaul	t)		1	1
						TEM	PERATUF	RES							
Programa	able Thei	mostat: N			Ce	iling Fans	3:								
Cooling Heating Venting	Heating [X] Jan [X] Feb [X] Mar [] Apr [] May [] Jun [] Jul [] Aug [] Sep [] Oct [X] Nov [X] Dec														
Thermostat		le: HERS 20	06 Reference		2	4	F		urs 7	0	0	10	4.4		10
Schedule T	уре		1	2	3	4	5	6	1	8	9	10	11		12
Cooling (W	D)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	77	78 78
Cooling (W	EH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	77	78 78
Heating (W	'D)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	e	58 58
Heating (W	'EH)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	6	58 58
							MASS								
Ма	ss Type			Area	_		Thickness	F	Furniture Fra	ction	S	pace			
De	fault(8 lb:	s/sq.ft.		0 ft ²			0 ft		0.3		1	st Floor			

Location Building owner Program user Company Comments	TITUSVILLE JOSH M CEG	FL
By Dataset name		MINER\DESKTOP\LOADS\TSARK\200236 MOCK\HOPE HAMMOCK LOADS.TRC
Calculation time TRACE® 700 version	11:42 AM on 6.3.5	12/19/2023
Location Latitude Longitude Time Zone Elevation Barometric pressure	Cape Kenne 28.0 80.0 5 16 29.9	dy, Florida deg deg ft in. Hg
Air density Air specific heat Density-specific heat product Latent heat factor Enthalpy factor	0.0760 0.2444 1.1147 4,906.9 4.5604	lb/cu ft Btu/lb·°F Btu/h·cfm·°F Btu·min/h·cu ft Ib·min/hr·cu ft
Summer design dry bulb Summer design wet bulb Winter design dry bulb Summer clearness number Winter clearness number Summer ground reflectance Winter ground reflectance Carbon Dioxide Level	88.0 78.0 38.0 0.95 0.95 0.20 0.20 400	°F °F ppm
Design simulation period Cooling load methodology Heating load methodology		ecember ASHRAE TFM) ASHRAE-TFM)





UNIT A EXTERIOR

Single Zone

	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	DIL PEAK		TEMPE	ERATURE	ES
	d at Time: utside Air:	Mo/H OADB/WB/HI	lr: 7 / 18 R: 85 / 77 /	127	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 84.6	Heating 74.5 65.8
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak	Percent	Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Of Total	Ret/OA	75.0	70.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads				Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0	-	0	Skylite Cond	0	0	0.00			
Roof Cond	0	1,703	1,703	12		0	Roof Cond	0	-844	29.92			
Glass Solar	520	0	520	4		4	Glass Solar	0	0	0.00		FLOWS	
Glass/Door Con		0	154	1	154	1	Glass/Door Cond	-578	-578	20.50		Cooling	Heating
Wall Cond	1,659	543	2,202	15		13	Wall Cond	-1,035	-1,399	49.58	Diffuser	568	568
Partition/Door	0		0	0	•	0	Partition/Door	0	0	0.00	Terminal	568	
Floor	0	0.00	0	0		0	Floor	0	0	0.00	Main Fan	568	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00			
Infiltration	0		0	0	-	0	Infiltration	0	0	0.00	Sec Fan	0	•
Sub Total ==>	2,333	2,247	4,580	32	2,333	18	Sub Total ==>	-1,613	-2,821	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0
Lights	2.487	622	3.109	22	2.487	20	Lights	0	0	0.00	MinStop/Rh	0	Õ
People	3,000	022	3,000	21		12	People	0	0	0.00	Return	568	
Misc	3,584	ŏ	3,584	25		28	Misc	Ő	ŏ	0.00	Exhaust	000	
Sub Total ==>	9.071	622	9,693	68		60	Sub Total ==>	0	0	0.00	Rm Exh	0	0
	5,071	022	5,000	00	7,071	00		0	0	0.00	Auxiliary	0	0
Ceiling Load	2.760	-2.760	0	0	2.760	22	Ceiling Load	-1,208	0	0.00	Leakage Dwn	0	0
Ventilation Load	_, 0	_,0	Ō	Ō		0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans He	at 0		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Siz	ina		0	0			Ov/Undr Sizina	0	0	0.00			
Ov/Undr Sizing	0		Ő	õ		0	Exhaust Heat		0	0.00	ENGINE		KS
Exhaust Heat	Ū	0	ŏ	Ŏ		Ŭ	OA Preheat Diff.		0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00			Heating
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	0.0	0.0
Duct Heat Pkup		0	0	0							cfm/ft ²	0.62	0.62
Underflr Sup Ht	Pkup		0	0			Underflr Sup Ht Pku	р	0	0.00	cfm/ton	477.60	
Supply Air Leaka	age	0	0	0			Supply Air Leakage	-	0	0.00	ft²/ton	765.95	
	-						••••				Btu/hr·ft ²	15.67	-3.10
Grand Total ==>	14,164	108	14,273	100.00	12.664	100.00	Grand Total ==>	-2,821	-2.821	100.00	No. People	6	

	Total C	apacity		COIL SEI			B/HR	Leave	DB/\	WB/HR	Gros	AREA s Total	S Glas	s	HEAT	ING COIL S CapacityCoil		ION Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb			ft²	(%)		• MBh	cfm	°F	
Main Clg Aux Clg	1.2 0.0	14.3 0.0	12.8 0.0	568 0	75.0 0.0	60.7 0.0	56.5 0.0	55.0 \$ 0.0	51.8 0.0	52.4 0.0	Floor Part	911 0			Main Htg Aux Htg	-2.8 0.0		70.0 0.0	74.5 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door ExFlr	1 0			Preheat	0.0	0	0.0	0.0
Total	1.2	14.3									Roof Wall	911 576	0 76	0 13	Humidif Opt Vent	0.0 0.0	0 0	0.0 0.0	0.0 0.0
											Ext Door	0	0	0	Total	-2.8			

UNIT A INTERIOR

Single Zone

C	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	DIL PEAK		ТЕМРЕ	RATURE	ES
	l at Time: itside Air:	Mo/H OADB/WB/HF	lr: 7 / 17 R: 87 / 78 /	132	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 83.6	Heating 73.3 66.5
	Space	Plenum		Percent		Percent		Space Peak	Coil Peak I		Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Ret/OA	75.0 0.0	70.0 0.0
Envelope Loads	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Envelope Loads	Btu/h	Btu/h	(%)	Fn MtrTD Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00	FILFIC	0.0	0.0
Roof Cond	Ő	1.781	1.781	14	-	0	Roof Cond	0	-864	47.35			
Glass Solar	559	0	559	4	-	5	Glass Solar	Ő	0	0.00	AIR	FLOWS	
Glass/Door Cond		Ő	89	1	94	1	Glass/Door Cond	-457	-457	25.02			l la atima
Wall Cond	352	140	491	4	344	3	Wall Cond	-349	-504	27.62		Cooling	-
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	Diffuser	496	
Floor	0		0	0		0	Floor	0	0	0.00	Terminal	496	
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	496	
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan	0	0
Sub Total ==>	1,000	1,921	2,920	23	978	9	Sub Total ==>	-806	-1,825	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0 0
Lights	2.487	622	3.109	25	2.487	22	Lights	0	0	0.00	MinStop/Rh	0	0
People	3.000	0	3.000	24		14	People	Ő	Õ	0.00	Return	496	496
Misc	3,584	Ō	3,584	28		32	Misc	Ō	Ō	0.00	Exhaust	0	0
Sub Total ==>	9,071	622	9,693	77	7,571	68	Sub Total ==>	0	0	0.00	Rm Exh	0	-
											Auxiliary	0	•
Ceiling Load	2,488	-2,488	0	0		23	Ceiling Load	-1,019	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	-	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Hea			0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Sizi	3		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0		0	Exhaust Heat		0	0.00	ENGINE	ERING C	CKS
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00		Cooling	Heating
Sup. Fan Heat		0	0	0			RA Preheat Diff.		0	0.00	% OA	0.0	
Ret. Fan Heat		0	0 0	0			Additional Reheat		0	0.00	cfm/ft ²	0.0	0.54
Duct Heat Pkup	lkun	U	0	0			Underfle Sun Ht Dku	n	0	0.00	cfm/ton	471.93	0.54
Underfir Sup Ht P		0	0	0			Underflr Sup Ht Pku	h	0	0.00	ft²/ton	471.93 866.71	
Supply Air Leaka	ye	U	0	0	'		Supply Air Leakage		0	0.00	Btu/hr·ft ²		2.00
Grand Total ==>	10 550	55	10 610	100.00	11.059	100.00	Grand Total ==>	1 005	1 005	100.00		13.85 6	-2.00
Grand Total ==>	12,558	55	12,613	100.00	11,059	100.00	Grand Total ==>	-1,825	-1,825	100.00	No. People	6	

	COOLING COIL SELECTION Total Capacity Sens Cap. Coil Airflow Enter DB/WB/HR Leave DB/WE											EAS		HEAT	ING COIL S	ELECT	ION	
	Total C ton	apacity MBh	Sens Cap. MBh	Coil Airflow cfm	° Ente °F		B/HR gr/lb	Leave DE °F °I			Gross Tota	I Gla	ass ' (%)		CapacityCoi MBh	l Airflow cfm	Ent °F	Lvg °F
Main Clg Aux Clg	1.1 0.0	12.6 0.0	11.1 0.0	496 0	75.0 0.0	60.9 0.0	57.5 0.0	55.0 52.0 0.0 0.0)		Main Htg Aux Htg	-1.8 0.0	496 0	70.0 0.0	73.3 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0.0	0 0.	Int E)		Preheat	0.0	0	0.0	0.0
Total	1.1	12.6								Roo Wall	f 91 ⁻	0 60	0 25	Humidif Opt Vent	0.0 0.0	0 0	0.0 0.0	0.0 0.0
										Ext	Door (0 0	0	Total	-1.8			

Project Name: HOPE HAMMOCK Dataset Name: HOPE HAMMOCK LOADS.TRC

UNIT B EXTERIOR

Single Zone

(COOLING	COIL PEAK			CLG SPAC	E PEAK	,	HEATING CO	DIL PEAK		TEMPE	ERATURE	ES
	d at Time: utside Air:	Mo/H OADB/WB/HF	lr: 7 / 18 R: 85 / 77 /	127	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 85.3	Heating 74.5 65.6
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak I	Percent	Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Of Total	Ret/OA	75.0	70.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads				Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond Roof Cond	0	0	0	0		0	Skylite Cond Roof Cond	0	0	0.00			
Glass Solar	0 1,188	1,834 0	1,834 1,188	11 7	-	0 8	Glass Solar	0	-838 0	25.60 0.00		FLOWS	
Glass Solal Glass/Door Con		0	240	1	240	2	Glass/Door Cond	-761	-761	23.25			
Wall Cond	1.875	585	2.461	15		13	Wall Cond	-1,236	-1,674	51.15		Cooling	Heating
Partition/Door	1,075	000	2,401	0		0	Partition/Door	-1,230	-1,074	0.00	Diffuser	657	657
Floor	õ		õ	Ő	•	Õ	Floor	Ő	õ	0.00	Terminal	657	657
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	657	657
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan	0	0
Sub Total ==>	3,304	2,419	5,723	35	3,282	22	Sub Total ==>	-1,996	-3,273	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0
Lights	2,490	623	3.113	19	2,490	17	Lights	0	0	0.00	MinStop/Rh	0	•
People	3.500	025	3,500	21	1.750	12	People	0	0	0.00	Return	657	657
Misc	4.096	õ	4.096	25		28	Misc	Ő	õ	0.00	Exhaust	0	
Sub Total ==>	10,086	623	10,708	65	,	57	Sub Total ==>	0	0	0.00	Rm Exh	0	0
	- ,		-,		-,						Auxiliary	0	0
Ceiling Load	2,985	-2,985	0	0	3,019	21	Ceiling Load	-1,276	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans He	at 0		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Siz	ing		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0		0	Exhaust Heat		0	0.00	ENGINE	ERING C	KS
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00	% OA	Cooling 0.0	Heating 0.0
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	cfm/ft ²	0.0	0.0
Duct Heat Pkup	Dkup	0	0	0			Underfly Sun Ut Div	n	0	0.00	cfm/ton	0.72 479.47	0.72
Underflr Sup Ht Supply Air Leaka		0	0	0			Underflr Sup Ht Pku Supply Air Leakage	h	0	0.00	ft²/ton	479.47 666.06	
Supply Air Leaka	age	U	0	0			Supply Air Leakage		0	0.00	Btu/hr·ft ²	18.02	-3.59
Grand Total ==>	16,374	57	16,431	100.00	14,637	100.00	Grand Total ==>	-3,273	-3,273	100.00	No. People	18.02 7	-3.39

	Total C	apacity		COIL SEI				Leave D		р/Цр	Groo	AREA s Total	S Glas	•	HEAT	ING COIL S CapacityCoil			- Lyra
	ton	MBh	MBh	con Airnow cfm	°F	°F	gr/lb		_	gr/lb	Gros	STOLAT	ft ²	。 (%)		MBh	cfm	Ent °F	
Main Clg	1.4	16.4	14.7	657	75.0	60.8	57.0	55.0 52.	.0 క	53.1	Floor	912			Main Htg	-3.3	657	70.0	74.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0.	.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0.	.0	0.0	Int Door ExFlr	1 0			Preheat	0.0	0	0.0	0.0
Total	1.4	16.4									Roof	912	0	0	Humidif	0.0	0	0.0	0.0
											Wall	700	100	14	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.3			

UNIT B INTERIOR

Single Zone

	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	DIL PEAK		TEMPE	ERATURE	ES
	ed at Time: outside Air:	Mo/H OADB/WB/HI	lr:7/18 R:85/77/	127	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: Ho OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 84.2	Heating 73.7 66.2
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak I	Percent	Return	75.0	70.0
	Sens. + Lat.	Sens. + Lat	Total	Of Total	Sensible	Of Total		Space Sens	Tot Sens (Of Total	Ret/OA	75.0	70.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads				Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00			
Roof Cond	0	1,883	1,883	13		0	Roof Cond	0	-857	37.17			
Glass Solar	594	0	594	4		5	Glass Solar	0	0	0.00		FLOWS	
Glass/Door Con		0	193	1	197	2	Glass/Door Cond	-609	-609	26.41		Cooling	Heating
Wall Cond	565	174	738	5		4	Wall Cond	-596	-839	36.42	Diffuser	553	553
Partition/Door	0		0	0	•	0	Partition/Door	0	0	0.00		553	
Floor	0		0	0		0	Floor	0	0	0.00	Terminal Main Fan	553	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00			
Infiltration	0		0	0	-	0	Infiltration	0	0	0.00	Sec Fan	0	
Sub Total ==>	1,352	2,056	3,408	24	1,309	11	Sub Total ==>	-1,205	-2,305	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0
Lights	2,490	623	3.113	22	2.490	20	Lights	0	0	0.00	MinStop/Rh	0	-
People	3.500	025	3,500	25		14	People	0	0	0.00	Return	553	-
Misc	4.096	Ő	4.096	29		33	Misc	Ő	Ő	0.00	Exhaust	000	
Sub Total ==>	10,086	623	10,708	76	,	68	Sub Total ==>	0	0	0.00	Rm Exh	Ő	(
Sub 10(a)>	10,000	025	10,700	70	0,000	00	Sub 10(a)>	0	0	0.00	Auxiliary	0	C
Ceiling Load	2.643	-2,643	0	0	2.691	22	Ceiling Load	-1,100	0	0.00	Leakage Dwn	0	C
Ventilation Load		2,010	õ	õ		0	Ventilation Load	0	0	0.00	Leakage Ups	0	Ċ
Adj Air Trans He	at 0	2	0	0	0	0	Adj Air Trans Heat	0	0	0		Ŭ	
Dehumid. Ov Siz			0	0			Ov/Undr Sizina	0	0	0.00	L		
Ov/Undr Sizing	0			Ő		0	Exhaust Heat	-	0	0.00	ENGINE		:KS
Exhaust Heat	0	0	0 0	ŏ		Ũ	OA Preheat Diff.		0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00			Heating
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	0.0	0.0
Duct Heat Pkup		0	0	0							cfm/ft ²	0.61	0.61
Underflr Sup Ht			0	0			Underflr Sup Ht Pku	р	0	0.00	cfm/ton	470.40	
Supply Air Leaka	age	0	0	0			Supply Air Leakage		0	0.00	ft²/ton	775.29	
											Btu/hr·ft ²	15.48	-2.53
Grand Total ==>	14,081	35	14,116	100.00	12,336	100.00	Grand Total ==>	-2,305	-2,305	100.00	No. People	7	

	Total C ton	apacity MBh		Coil Airflow		r DB/W	B/HR gr/lb	Leave °F	DB/\ °F	WB/HR gr/lb	Gros	AREA s Total	S Glas	s (%)	HEAT	ING COIL S CapacityCoil MBh			Lvg °F
Main Clg Aux Clg	1.2 0.0	14.1 0.0	12.4 0.0	553 0	75.0 0.0	61.1 0.0	58.1 0.0	55.0 5 0.0	52.1 0.0	53.5 0.0	Floor Part	912 0			Main Htg Aux Htg	-2.3 0.0	553 0	70.0 0.0	73.7 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door ExFlr	1			Preheat	0.0	0	0.0	0.0
Total	1.2	14.1									Roof Wall Ext Door	912 380	0 80 0	0 21	Humidif Opt Vent <i>Total</i>	0.0 0.0 -2.3	0 0	0.0 0.0	0.0 0.0

Project Name: HOPE HAMMOCK Dataset Name: HOPE HAMMOCK LOADS.TRC

UNIT C EXTERIOR

Single Zone

(COOLING	COIL PEAK			CLG SPAC	E PEAK	,	HEATING CO	DIL PEAK		ТЕМРЕ	RATURE	S
	d at Time: utside Air:	Mo/H OADB/WB/HF	lr: 7 / 16 R: 88 / 78 /	133	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 83.3	Heating 74.1 65.9
	Space	Plenum		Percent		Percent		Space Peak	Coil Peak I		Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Ret/OA	75.0	70.0
Envelope Loads	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Envelope Loads	Btu/h	Btu/h	(%)	Fn MtrTD Fn BldTD	0.0 0.0	0.0 0.0
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00		0.0	0.0
Roof Cond	Ő	1.555	1.555	11	-	Ő	Roof Cond	Ő	-847	31.93			
Glass Solar	870	0	870	6		7	Glass Solar	Ő	0	0.00	AIR	FLOWS	
Glass/Door Cond	161	Ō	161	1	185	1	Glass/Door Cond	-609	-609	22.94			Heating
Wall Cond	1,042	354	1,397	10	900	7	Wall Cond	-875	-1,197	45.13		Cooling	-
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	Diffuser	575	575
Floor	0		0	0		0	Floor	0	0	0.00	Terminal	575	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	575	0.0
Infiltration	0		0	0	-	0	Infiltration	0	0	0.00	Sec Fan	0	0
Sub Total ==>	2,073	1,909	3,982	27	1,922	15	Sub Total ==>	-1,484	-2,653	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent	0	0
Lights	2.485	621	3.106	21	2,485	19	Lights	0	0	0.00	MinStop/Rh	0	0
People	3.500	0	3.500	24		14	People	Ő	õ	0.00	Return	575	575
Misc	4,096	Ő	4,096	28		32	Misc	Ő	Õ	0.00	Exhaust	0	0
Sub Total ==>	10,080	621	10,701	73	8,330	65	Sub Total ==>	0	0	0.00	Rm Exh	0	0
											Auxiliary	0	0
Ceiling Load	2,397	-2,397	0	0		20	Ceiling Load	-1,170	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	-	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Hea	at O		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Sizi	ing		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0		0	Exhaust Heat		0	0.00	ENGINE	ERING C	KS
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00		Cooling	Heating
Sup. Fan Heat		0	0	0			RA Preheat Diff.		0	0.00	% OA	0.0	Heating 0.0
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	cfm/ft ²	0.63	0.63
Duct Heat Pkup	Pkup	0	0	0			Undorfir Sun Ht Dku	n	0	0.00	cfm/ton	469.91	0.05
Underflr Sup Ht F Supply Air Leaka		0	0	0			Underflr Sup Ht Pku Supply Air Leakage	h	0	0.00	ft²/ton	743.67	
Suppry All Leaka	ye	0	0	0			Supply All Leakage		0	0.00	Btu/hr·ft ²	16.14	-2.92
Grand Total ==>	14,550	134	14,684	100.00	12.820	100.00	Grand Total ==>	-2,653	-2,653	100.00	No. People	10.14	-2.92
	14,000	104	14,004	100.00	12,020	100.00		-2,000	-2,000	100.00	No. Feople	1	

	Total C ton	apacity MBh	COOLING Sens Cap. MBh	COIL SEI Coil Airflow		r DB/W	B/HR gr/lb	Leave D °F	рв/м °F	VB/HR gr/lb	Gros	AREA s Total	S Glas ft²	s (%)	HEAT	ING COIL S CapacityCoi MBh			Lvg °F
Main Clg Aux Clg	1.2 0.0	14.7 0.0	12.9 0.0	575 0	75.0 0.0	61.1 0.0	58.2 0.0	55.0 52 0.0 0	2.1).0	53.5 0.0	Floor Part	910 0			Main Htg Aux Htg	-2.7 0.0	575 0	70.0 0.0	74.1 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0	0.0	0.0	Int Door ExFir	1			Preheat	0.0	0	0.0	0.0
Total	1.2	14.7									Roof Wall	910 508	0 80	0 16	Humidif Opt Vent	0.0 0.0	0 0	0.0 0.0	0.0 0.0
											Ext Door	0	0	0	Total	-2.7			

Project Name: HOPE HAMMOCK Dataset Name: HOPE HAMMOCK LOADS.TRC

PROJECT INFORMATION

PROJECT ADDRESS: 550 BROWN AVENUE TITUSVILLE, FLORIDA

AUTHORITY HAVING JURISDICTION: CITY OF TITUSVILLE

OWNER: COMMUNITY OF BREVARD

4515 S. BABCOCK STREET, PALM BAY FLORIDA 32905 (321) 474-0966 HOPPER.STEPH@GMAIL.COM

ARCHITECT: TSARK ARCHITECTURE 1990 W. NEW HAVEN SUITE 306 MELBOURNE, FL 32904 PHONE: 321-241-6378

CIVIL ENGINEER/LANDSCAPE DESIGN: CONSULTING CIVIL ENGINEERS INC. 3650 BOBBI LANE, SUITE 119 TITUSVILLE FLORIDA 32780 (321) 269-9930

STRUCTURAL ENGINEER: NOBLE STRUCTURAL GROUP, INC. 840 N. COCOA BLVD., SUITE B COCOA, FLORIDA 32926 PHONE: (321) 635-9344

MECHANICAL ENGINEER: CONSTRUCTION ENGINEERING GROUP 2651 W. EAU GALLIE BLVD SUITE A, MELBOURNE, FL 32935 PHONE: (321) 253-1221

ELECTRICAL ENGINEER: CONSTRUCTION ENGINEERING GROUP 2651 W. EAU GALLIE BLVD SUITE A, MELBOURNE, FL 32935

GENERAL CONTRACTOR: NAME: TBD

PHONE: (321) 253-1221

ADDRESS: TBD PHONE: TBD

PROJECT SUMMARY: THIS PROJECT IS A NEW SINGLE STORY, MULTI-FAMILY, MASONRY STRUCTURE.

APPLICABLE CODES:

- FLORIDA BUILDING CODE, 7TH EDITION FBC FBC ACCESSIBILITY CODE, 7TH EDITION FBC-A
- FBC-M FBC MECHANICAL CODE, 7TH EDITION
- FBC ELECTRICAL CODE, NEC FBC-E FBC ENERGY CONSERVATION CODE, 7TH EDITION FBC-EC
- FBC-P FBC PLUMBING CODE, 7TH EDITION
- FBC-F FBC FUEL GAS CODE, 7TH EDITION FFPC FLORIDA FIRE PREVENTION CODE, 6TH EDITION (NFPA 101)

COMPLIANCE STATEMENT: REVIEW AND APPROVAL BY THE AUTHORITY HAVING JURISDICTION SHALL NOT RELIEVE THE APPLICANT OF THE RESPONSIBILITY OF COMPLIANCE WITH THESE CODES. TO THE BEST OF OUR KNOWLEDGE, THESE DOCUMENTS COMPLY WITH THE APPLICABLE MINIMUM CODES AND STANDARDS AS SET FORTH BY THE FLORIDA BUILDING CODE AND GOVERNING FLORIDA STATUTES.

ABBREVIATIONS

A/C	AIR CONDITIONING
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE, ALTERNATIVE
ALUM	ALUMINUM
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
AV	AUDIOVISUAL
BLDG	BUILDING
BO	BOTTOM OF
CLG	CEILING
CLG HT	CEILING HEIGHT
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY
01010	UNIT
201	-
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUE, CONTINUOUS
CORR	CORRIDOR
DEMO	DEMOLISH
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIV	DIVISION
E	EAST
EA	EACH
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EQ	
	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXT	EXTERIOR
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER
•	CABINET
FIN FLR	FINISHED FLOOR
	FLOOR
FLR	
FT	FOOT, FEET
FURN	FURNITURE
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GYP BD	GYPSUM BOARD
HC	HANDICAP
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION &
	AIR CONDITIONING
INCL	INCLUDE(D), (ING)
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
KIT	KITCHEN
LAB	LABOATORY
LAV	LAVATORY
LF	LINEAR FEET

MAINT MAINTENANCE MATL MATERIAL MAX MAXIMUM MECH MECHANICAL MEZZ MEZZANINE MFG MANUFACTURING MFR MANUFACTURER MIN MINUMUM MISC MISCELLANEOUS MR MOISTURE RESISTANT MTG MOUNTING NORTH Ν NIC NOT IN CONTRACT NOM NOMINAL NTS NOT TO SCALE OC ON CENTER OPT OPTION(AL) PLAM PLASTIC LAMINATE PLF POUNDS PER LINEAR FEET PLYWD PLYWOOD PR PAIR PREFAB PREFABRICATED PREFIN PREFINISH PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH QTY QUANTITY RCP REFLECTED CEILING PLAN ROOF DRAIN RD REF REFRIGERATOR, REFERENCE REQD REQUIRED RM ROOM RO ROUGH OPENING S SOUTH SC SOLID CORE SD STORM DRAIN SECT SECTION SF SQUARE FEET SIM SIMILAR SPEC SPECIFICATION SQ SS SQUARE STAINLESS STEEL STD STANDARD STOR STORAGE SUSP SUSPENDED SYS SYSTEM TD TRAVEL DISTANCE TEL TELEPHONE TEMP TEMPORARY THRU THROUGH TO TOP OF TRTD TREATED ΤV TELEVISION TYP TYPICAL UNO UNLESS NOTED OTHERWISE VERT VERTICAL VEST VESTIBULE VIF VERIFY IN FIELD WEST, WIDE W WITH W/ W/O WITHOUT WC WATER CLOSET WD WOOD WΤ WEIGHT

Hope Hammock of Titusville - Phase 2 Titusville, Florida



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		A402	BUILDING SECTIONS			Tsark Archite	cture. LLC
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		A703 MILLWORK SECTIONS AND DETAILS				Melbourne, Flo	orida 32904
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GENERAL REQUIREMENTS & SUBMITTAL PROCEEDURES

ARCHITECTURAL SPECIFICATIONS

DIMENSION PLAN

FLOOR PLAN PARTITION TYPES

REFERENCE PLAN/LIFE SAFETY PLAN

A101

A102

A201



REV REV DATE

GENERAL REQUIREMENTS

1. THE ARCHITECT HAS PREPARED THIS SET OF DOCUMENTS BASED ON VISUAL INSPECTION OF THE EXISTING PREMISES AND ON INFORMATION PROVIDED BY THE OWNER

2. IN THE EVENT OF A DISCREPANCY IN THE COMSTRUCTION DOCUMENTS. THE PREVAILING ORDER SHALL BE:

- A. CONTRACT FOR CONSTRUCTION
- B. GENERAL REQUIREMENTS
- C. SPECIAL REQUIREMENTS
- D. OWNER'S PUBLISHED DESIGN STANDARDS, IF APPLICABLE
- E. SPECIFICATIONS
- F. DETAILS ON DRAWINGS
- G. PLAN DRAWINGS

3. THE CONTRACTOR SHALL PROVIDE ALL WORK NECESSARY TO ENSURE A FUNCTIONAL FACILITY UPON COMPLETION OF THE PROJECT

4. USE FIGURED DIMENSIONS. DO NOT SCALE DRAWINGS. WHERE DIMENSIONS ARE SHOWN WITH A "±", ADJUSTMENTS MAY BE MADE TO SUIT FIELD CONDITIONS.

5. TO ESTABLISH THE COMPREHENSIVE SCOPE OF WORK AND TO ASSURE COORDINATION WITH OTHER TRADES, EACH SUBCONTRACTOR SHALL COMPLETELY REVIEW THE PLANS, NOT ONLY FOR HIS OR HER RESPECTIVE TRADE, BUT FOR THE WORK OF OTHER TRADES AS WELL. THE DOCUMENTS ARE INTERDEPENDENT. ONCE THE CONTRACTOR OR SUBCONTRACTOR HAS COMMENCED WITH HIS WORK. IT SHALL BE ASSUMED THAT HE HAS ACCEPTED THE CONDITIONS IN THE FIELD TO BE CORRECT AND RIGHT FOR THE INSTALLATION OF HIS WORK.

6. ALL SUBCONTRACTORS SHALL BE LICENSED TO OPERATE IN BREVARD COUNTY, FLORIDA.

7. OWNER SHALL RETAIN ALL SALVAGE RIGHTS UNTIL THE RIGHTS ARE RELEASED BY THE OWNER.

8. ACCURATE RECORD DOCUMENTS ARE TO BE RECORDED FOR LOCATIONS OF UNDERGROUND STRUCTURES AND UTILITIES.

9. EACH SUBCONTRACTOR SHALL CALL FOR UTILITY LOCATES OR COORDINATE DIRECTLY WITH THE GENERAL CONTRACTOR PRIOR TO ALL DIGGING OPERATIONS.

10.ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY, STATE AND LOCAL ENVIRONMENTAL LAWS AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION. PERMITS SHALL BE POSTED AT THE JOBSITE.

11. CONSTRUCTION SHALL COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.

12.NO ASBESTOS CONTAINING BUILDING MATERIALS MAY BE USED DURING CONSTRUCTION.

13.CONTRACTOR SHALL WARRANT THE PROJECT AREA FOR A TERM OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT, REGARDLESS OF PARTIAL OCCUPANCY.

14. PROVIDE PRODUCTS HAVING "ENERGY STAR" CERTIFICATIONS WHEN AVAILABLE. 15. CONTRACTOR SHALL PROVIDE A CONSTRUCTION ACCESS AND STAGING AREA PLAN

FOR OWNER'S APPROVAL. 16.THE PROJECT SHALL HAVE FULL TIME, CONSTRUCTION REPRESENTATION DURING ALL HOURS OF OPERATION. THIS REPRESENTATION CAN BE IN THE FORM OF A

17. CONTRACTOR SHALL PROVIDE A SAFETY BARRIER TO PREVENT INTERACTIONS BETWEEN THE PUBLIC AND THE JOBSITE.

18.WORKING HOURS SHALL BE COORDINATED WITH, AND APPROVED BY, THE OWNER.

19.ALTERNATES MAY BE USED AS REQUIRED BY THE SCOPE OF WORK. THESE WILL BE DETERMINED BY THE ARCHITECT AND USED UNDER THE DIRECTION OF THE OWNER'S

20.0WNER WILL REQUIRE AN OWNER DIRECT PURCHASE ORDER (ODP) PROGRAM FOR ALL MATERIAL PURCHASES OVER \$5000.00. RESULTING SALES TAX SAVINGS WILL SOLELY BENEFIT THE OWNER.

21. PROGRESS PAYMENTS ARE TO BE SUBMITTED MONTHLY.

PROJECT MANAGER OR SUPERINTENDENT.

REPRESENTATIVE.

22.A SCHEDULE OF VALUES SHALL BE SUBMITTED AND APPROVED PRIOR TO THE INITIAL PAY REQUEST.

23.A DAILY REPORT IS TO BE KEPT BY THE CONTRACTOR AND A WEEKLY REPORT IS TO BE SUBMITTED TO THE OWNER'S REPRESENTATIVE SHOWING THE CURRENT PROJECT STATUS, TWO WEEK LOOK-AHEAD, ISSUES AND PROBLEMS, PERMIT STATUS AND PERCENT COMPLETE.

24.CONTRACTOR IS TO PROVIDE A COMPLETE SUBMITTAL REQUIREMENT MATRIX FOR EACH PRODUCT LISTING ALL ANTICIPATED SUBMITTALS CROSS REFERENCED WITH THE SECTION NUMBER.

25.ALL TRAINING VIDEOS SHALL BE DIGITALLY RECORDED AND SUBMITTED TO THE OWNER.

26.COORDINATION MEETINGS SHALL HAVE AN AGENDA PREPARED BY AND MEETING MINUTES TAKEN BY THE CONTRACTOR. 27. CONTRACTOR IS TO HOLD WEEKLY COORDINATION MEETINGS, INVITING BOTH THE

OWNER'S REPRESENTATIVE AND THE ARCHITECT. 28. THE CONSTRUCTION SCHEDULE WILL BE UPDATED MONTHLY AT EACH PAY REQUEST

AND BE REVIEWED AT THAT TIME AS A CONDITION OF THE PAY APPLICATION. 29.ALL SUBSTITUTION REQUESTS FROM THE CONTRACTOR SHALL BE REVIEWED BY THE ARCHITECT AND ACCEPTED/REJECTED BY THE OWNER'S REPRESENTATIVE, BASED

ON THE ARCHITECT'S RECOMMENDATION, PRIOR TO INCORPORATION IN THE WORK. 30.FLORIDA PRODUCT APPROVAL NUMBERS SHALL BE SUBMITTED BY THE CONTRACTOR FOR BUILDING COMPONENTS SUCH AS EXTERIOR DOORS, WINDOWS, PANELS, ROOFING PRODUCTS, SHUTTERS, SKYLIGHTS, LOUVERS, AND OTHER

31. THROUGHOUT THE DURATION OF CONSTRUCTION, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ENSURE THE BUILDING REMAIN IN DRIED-IN CONDITION AND PREVENT UNLAWFUL ENTRY INTO THE CONSTRUCTION SITE.

PRODUCTS COMPRISING THE BUILDING ENVELOPE.

32.ALL PROJECT COORDINATION MEETINGS WILL HAVE AN AGENDA PREPARED BY AND MEETING MINUTES TAKEN BY THE CONTRACTOR.

33.CONTRACTOR TO PROVIDE FINAL CLEANING. THE OWNER RESERVES THE RIGHT TO PROVIDE CLEANING SERVICES WHEN CLEAN-UP HAS NOT BEENPROVIDED TO THE SATISFACTION OF THE OWNER. ASSOCIATED COSTS WILL BE DEDUCTED FROM THE CONTRACTOR'S FINAL PAYMENT.

34.THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING WITH AND COORDINATION OF MATERIALS TESTING AS PART OF QUALITY ASSURANCE. THE TESTING AGENCY IS TO COPY THE OWNER AND THE ARCHITECT ON ALL REPORTS. 35. THE CONTRACTOR IS TO PRESERVE AND PROTECT ALL EXISTING VEGETATION SUCH AS TREES, SHRUBS, AND GRASS ADJACENT TO THE SITE WORK WHICH IS NOT TO BE REMOVED AND WHICH DOES NOT INTERFERE WITH THE CONSTRUCTION WORK. THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER, SHALL REPLACE DAMAGED VEGETATION RESULTING FROM CONTRACTORS OPERATIONS WITH A COMPARABLE SPECIMEN.

36. THE CONTRACTOR'S CONSTRUCTION SCHEDULE SHALL BE IN THE FORM OF A CPM TYPE SCHEDULE USING PRIMAVERA SOFTWARE (P3 OR SURETRACK). A LINEAR BAR CHART SCHEDULE MAY BE ACCEPTABLE FOR SHORT DURATION PROJECTS AT THE OWNER'S DISCRETION.

37.ALL MATERIAL SAFETY DATA SHEETS ON ANY HAZARDOUS PRODUCT SHALL BE KEPT ON FILE AT JOBSITE, AND INCLUDED IN CLOSE-OUT DOCUMENTATION.

38. THE CONTRACTOR SHALL PROTECT UNDERGROUND AND OVERHEAD UTILITIES AT ALL TIMES. ADDITIONAL CARE SHALL BE TAKEN WHEN THE CONTRACTOR IS REQUIRED TO TIE INTO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE OWNER 72 HOURS IN ADVANCE TO SCHEDULE UTILITY CONNECTIONS. THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER, SHALL REPAIR ANY AND ALL DAMAGE TO UTILITIES RESULTING FROM CARELESS OPERATIONS.

39. CONTRACTOR IS TO PROVIDE A PROJECT CONSTRUCTION SIGN OF WATER-RESISTANT CONSTRUCTION. COPY AND DESIGN OF THE CONSTRUCTION SIGN SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE AND ARCHITECT. NO OTHER MARKETING SIGNAGE WILL BE PERMITTED.

40. FINAL SUBMITTAL SHALL INCLUDE TWO COPIES OF THE OPERATION AND MAINTENANCE DATA BINDERS FOR THE OWNER'S USE THAT NOTES CONTRACTOR LISTINGS, PRODUCTS, AND WARRANTY INFORMATION.

41.ALL SHELVING, CABINETRY AND CASEWORK SHALL HAVE 2x WOOD BLOCKING AND/OR PLYWOOD BACKER BOARD SUPPORT AS REQUIRED

42. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING LADDERS OR OTHER MEANS OF ACCESS TO THE AUTHORITY HAVING JURISDICTION (AHJ), ARCHITECT, ENGINEER, AND SBBC FOR REQUIRED OBSERVATIONS AND INSPECTIONS.

43. THE QUANTITY OF SUBMITTALS THAT WILL BE REQUIRED FOR THE PROJECT INCLUDING THE NUMBER OF SAMPLES, PRODUCT DATA AND SHOP DRAWINGS REQUIRED TO BE DETERMINED.

44.CONTRACTOR SHALL WARRANT THE PROJECT FOR A TERM OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT REGARDLESS OF PARTIAL OCCUPANCY.

45.ALL EXITS SHALL COMPLY WITH FLORIDA ACCESSIBILITY CODE FOR LEVEL ENTRY; SEE FBC, ACCESSIBILITY, SECTION 303; CHANGES IN LEVEL.

46.CONTRACTORS SHALL INCLUDE FOUR PRINTED COPIES OF THE RECORD DRAWINGS ALONG WITH ONE ELECTRONIC COPY WITH CLOSE-OUT DOCUMENTATION.

47. THE CONTRACTOR IS TO PROVIDE FINAL CLEANING. THE OWNER RESERVES THE RIGHT TO PROVIDE CLEANING SERVICES WHEN CLEAN-UP HAS NOT BEEN PROVIDED TO THE SATISFACTION OF THE OWNER. ASSOCIATED COSTS WILL BE DEDUCTED

FROM THE CONTRACTOR'S FINAL PAYMENT. 48.CONSTRUCTION OF WORK INDICATED ON THE DRAWINGS AS (N.I.C.) IS NOT IN

CONTRACT. 49.ALL WORK SHALL BE OF BEST PRACTICE OF EACH TRADE.

50. TERMITE TREATMENT SHALL BE COMPLETED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1816. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY.

51.WHERE GYPSUM BOARD LAYERS DIFFER BETWEEN TWO ADJOINING WALLS, MAINTAIN A CONTINUOUS FINISH OF WALL.

52.ELECTROLYTIC PROTECTION SHALL BE PROVIDED BETWEEN DISSIMILAR METALS WHENEVER THE TWO ARE IN CONTACT.

53. DETAILS NOT SHOWN ARE SIMILAR IN NATURE TO THOSE DETAILED. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT ARCHITECT BEFORE PROCEEDING WITH THE WORK TYPICAL DETAILS. APPLY AT ALL SIMILAR CONDITIONS WHETHER CROSS REFERENCED OR NOT.

54.0PEN EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALL AND ROOF, BETWEEN WALL PANELS, AT PENETRATIONS OF UTILITIES THROUGH THE BUILDING ENVELOPE SHALL BE SEALED W/ BACKER ROD IF REQUIRED, FLASHED OR WEATHER-STRIPPED AS REQUIRED FOR COMPATIBILITY WITH ADJACENT MATERIALS TO ELIMINATE AIR LEAKAGE AND WATER INFILTRATION, AND TO MEET THE REQUIREMENTS OF THE FLORIDA MODEL ENERGY CODE AS APPLICABLE.

55.A 20 YEAR "NO DOLLAR LIMIT" WARRANTY WILL BE PROVIDED FOR ALL ROOFING.

56. PROVIDE PROPER ANCHORAGE OF ESSENTIAL EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES.

57.PROVIDE PROPER ANCHORAGE OF ESSENTIAL EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES. WOOD BLOCKING IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

58. CONTRACTOR TO INCLUDE FOUR PRINTED COPIES OF THE RECORD DRAWINGS ALONG WITH ONE ELECTRONIC COPY ON CD ROM.

59. PROVIDE ACCESS PANELS FOR MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED BY APPLICABLE CODES.

60.PROVIDE AND INSTALL ALL STIFFENERS, BRACINGS, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE BEST POSSIBLE INSTALLATION AND REQUIRED MINIMUM LATERAL FORCE OF ALL TOILET/RESTROOM ACCESSORIES AND PARTITIONS AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL OR MISCELLANEOUS EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES.

61.CEILING HEIGHT DIMENSIONS ARE FROM DESIGNATED FINISHED FLOOR SURFACE TO FINISHED CEILING SURFACES UNLESS NOTED OTHERWISE.

62.GLAZING SUBJECT TO HUMAN IMPACT AS IDENTIFIED IN APPLICABLE CODES SHALL BE SAFETY GLAZING MATERIAL. EACH LIGHT OF LAMINATED OR TEMPERED GLAZING SHALL BE IDENTIFIED BY A PERMANENT LABEL, WHICH SPECIFIES THE LABELER, OR MANUFACTURER AND THAT SAFETY GLAZING MATERIAL HAS BEEN UTILIZED.

63.SEE PRE-ENGINEERED STRUCTURE SHOP DRAWINGS FOR STRUCTURAL CALCULATIONS, ROOF DETAILS, ROOF PRODUCT INFORMATION, COLUMN AND BEAM SCHEDULES AND FOUNDATION AND CONNECTION DETAILS.

64.MOUNT FIRE EXTINGUISHERS AT 4'-0" A.F.F. MEASURED TO THE CENTERLINE OF HANDLE.

65.LIGHT FIXTURE COLOR SELECTIONS SHALL BE BY THE ARCHITECT, AND EXPRESSLY RECEIVED IN WRITING FROM THE ARCHITECT. APPROVAL OF SUBMITTALS BY THE ELECTRICAL ENGINEER IS NOT AN APPROVAL OF THE LIGHT FIXTURE COLOR SELECTION.

66. THESE DRAWINGS, SPECIFICATIONS, AND ANY ADDENDA SHALL BE THE BASIS FOR THE CONTRACT FOR CONSTRUCTION BETWEEN THE GENERAL CONTRACTOR AND THE OWNER. THE RESPONSIBILITIES OF THE OWNER, ARCHITECT, AND GENERAL CONTRACTOR SHALL BE AS DESCRIBED IN AIA DOCUMENT A201-2017 - GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION.

SUBMITTAL PROCEDURES

PART 1 - GENERAL 1.1 SUMMARY

- A. THIS SECTION INCLUDES ADMINISTRATIVE AND PROCEDURAL REQUIREMENTS FOR SUBMITTING SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER MISCELLANEOUS SUBMITTALS.
- **1.2 DEFINITIONS**
- A. ACTION SUBMITTALS: WRITTEN AND GRAPHIC INFORMATION THAT REQUIRES ARCHITECT'S/ENGINEER'S RESPONSIVE ACTION.
- B. INFORMATIONAL SUBMITTALS: WRITTEN INFORMATION THAT DOES NOT REQUIRE ARCHITECT'S/ENGINEER'S APPROVAL, SUBMITTALS MAY BE REJECTED FOR NOT COMPLYING WITH REQUIREMENTS.
- 1.3 SUBMITTAL PROCEDURES
- A. GENERAL: ELECTRONIC COPIES (.PDF ONLY) OF DRAWINGS OF THE CONTRACT DRAWINGS WILL BE PROVIDED BY ARCHITECT/ENGINEER FOR CONTRACTOR'S USE IN PREPARING SUBMITTALS.
- B. CONTRACTOR SHALL SUBMIT SOFT COPIES OF PRODUCT DATA, SHOP DRAWINGS, AND PHYSICAL COPIES OF SAMPLES.
- C. ALL SUBMITTED SHOP DRAWINGS SHALL HAVE ENHANCEMENT OR ADDITIONAL DETAILS THAN THAT OF THE ARCHITECT'S/ENGINEER'S, REFLECTING TYPES OF MATERIAL ALREADY SUBMITTED FOR APPROVAL AND APPROVED BY THE ARCHITECT/ENGINEER AND REFLECTING ALL NECESSARY EQUIPMENT, IF ANY, OR ELSE THE SUBMITTED SHOP DRAWING SHALL NOT BE CONSIDERED AS COMPLETE.
- D. COORDINATION: COORDINATE PREPARATION AND PROCESSING OF SUBMITTALS WITH PERFORMANCE OF CONSTRUCTION ACTIVITIES.
- E. PROCESSING TIME: ALLOW ENOUGH TIME FOR SUBMITTAL REVIEW, INCLUDING TIME FOR RESUBMITTALS, AS FOLLOWS, TIME FOR REVIEW SHALL COMMENCE ON ARCHITECT'S/ENGINEER'S RECEIPT OF SUBMITTAL.
- a. INITIAL REVIEW: ALLOW UP TO 14 DAYS FOR INITIAL REVIEW OF EACH SUBMITTAL. ALLOW ADDITIONAL TIME IF PROCESSING MUST BE DELAYED TO PERMIT COORDINATION WITH SUBSEQUENT SUBMITTALS. ARCHITECT/ENGINEER WILL ADVISE CONTRACTOR WHEN A SUBMITTAL BEING PROCESSED MUST BE DELAYED FOR COORDINATION.
- b. CONCURRENT REVIEW: WHERE CONCURRENT REVIEW OF SUBMITTALS BY ARCHITECT'S/ENGINEER'S CONSULTANTS, OWNER, OR OTHER PARTIES IS REQUIRED, ALLOW UP TO 21 DAYS FOR INITIAL REVIEW OF EACH SUBMITTAL
- c. NO EXTENSION OF THE CONTRACT TIME WILL BE AUTHORIZED BECAUSE OF FAILURE TO TRANSMIT SUBMITTALS ENOUGH IN ADVANCE OF THE WORK TO PERMIT PROCESSING.
- F. IDENTIFICATION: PLACE A LABEL OR TITLE BLOCK ON EACH SUBMITTAL FOR IDENTIFICATION.
- a. INDICATE NAME OF FIRM OR ENTITY THAT PREPARED EACH SUBMITTAL ON LABEL OR TITLE BLOCK.
- b. PROVIDE A SPACE APPROXIMATELY 4 BY 5 INCHES (100 BY 125 MM) ON LABEL OR BESIDE TITLE BLOCK TO RECORD CONTRACTOR'S REVIEW AND APPROVAL MARKINGS AND ACTION TAKEN BY ARCHITECT/ENGINEER.
- c. INCLUDE THE FOLLOWING INFORMATION ON LABEL FOR PROCESSING AND RECORDING ACTION TAKEN: PROJECT NAME.
- DATE.
- NAME OF ARCHITECT/ENGINEER. NAME OF CONTRACTOR
- NAME OF SUBCONTRACTOR. NAME OF SUPPLIER.
- NAME OF MANUFACTURER
- UNIQUE IDENTIFIER, INCLUDING REVISION NUMBER. NUMBER AND TITLE OF APPROPRIATE SPECIFICATION SECTION.
- DRAWING NUMBER AND DETAIL REFERENCES, AS APPROPRIATE.
- G. DEVIATIONS: HIGHLIGHT, ENCIRCLE, OR OTHERWISE IDENTIFY DEVIATIONS FROM THE CONTRACT DOCUMENTS ON SUBMITTALS.
- H. TRANSMITTAL: ARCHITECT/ENGINEER WILL RETURN SUBMITTALS, WITHOUT REVIEW, RECEIVED FROM SOURCES OTHER THAN CONTRACTOR.
- a. ON AN ATTACHED SEPARATE SHEET, PREPARED ON CONTRACTOR'S LETTERHEAD, RECORD RELEVANT INFORMATION, REQUESTS FOR DATA, REVISIONS OTHER THAN THOSE REQUESTED BY ARCHITECT/ENGINEER ON PREVIOUS SUBMITTALS, AND DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS, INCLUDING MINOR VARIATIONS AND LIMITATIONS. INCLUDE THE SAME LABEL INFORMATION AS THE RELATED SUBMITTAL.
- b. INCLUDE CONTRACTOR'S CERTIFICATION STATING THAT INFORMATION SUBMITTED COMPLIES WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- I. DISTRIBUTION: FURNISH COPIES OF FINAL SUBMITTALS TO MANUFACTURERS, SUBCONTRACTORS, SUPPLIERS, FABRICATORS, INSTALLERS, AUTHORITIES HAVING JURISDICTION, AND OTHERS AS NECESSARY FOR PERFORMANCE OF CONSTRUCTION ACTIVITIES.
- J. USE FOR CONSTRUCTION: USE ONLY FINAL SUBMITTALS WITH MARK INDICATING ACTION TAKEN BY ARCHITECT/ENGINEER IN CONNECTION WITH CONSTRUCTION.

PART 2 - PRODUCTS 2.1 ACTION SUBMITTALS

- A. GENERAL: PREPARE AND SUBMIT ACTION SUBMITTALS REQUIRED BY CONTRACT DOCUMENTS.
- B. NUMBER OF COPIES: SUBMIT COPIES OF EACH SUBMITTAL, AS FOLLOWS, UNLESS OTHERWISE INDICATED:
- a. INITIAL SUBMITTAL: SUBMIT A PRELIMINARY SINGLE COPY OF EACH SUBMITTAL WHERE SELECTION OF OPTIONS, COLOR, PATTERN, TEXTURE, OR SIMILAR CHARACTERISTICS IS REQUIRED. ARCHITECT/ENGINEER, WILL RETURN SUBMITTAL WITH OPTIONS SELECTED.
- b. FINAL SUBMITTAL: SUBMIT THREE COPIES, UNLESS COPIES ARE REQUIRED FOR OPERATION AND MAINTENANCE MANUALS. SUBMIT FIVE COPIES WHERE COPIES ARE REQUIRED FOR OPERATION AND MAINTENANCE MANUALS. ARCHITECT/ENGINEER WILL RETAIN TWO COPIES; DIVISION 01 GENERAL REQUIREMENTS TENDER DOCUMENTS-SPECIFICATIONS REMAINDER WILL BE RETURNED. MARK UP AND RETAIN ONE RETURNED COPY AS A PROJECT RECORD DOCUMENT.
- C. PRODUCT DATA: COLLECT INFORMATION INTO A SINGLE SUBMITTAL FOR EACH ELEMENT OF CONSTRUCTION AND TYPE OF PRODUCT OR EQUIPMENT.
- D. IF INFORMATION MUST BE SPECIALLY PREPARED FOR SUBMITTAL BECAUSE STANDARD PRINTED DATA ARE NOT SUITABLE FOR USE, SUBMIT AS SHOP DRAWINGS, NOT AS PRODUCT DATA.
- E. MARK EACH COPY OF EACH SUBMITTAL TO SHOW WHICH PRODUCTS AND OPTIONS ARE APPLICABLE
- F. INCLUDE THE FOLLOWING INFORMATION, AS APPLICABLE: a. MANUFACTURER'S WRITTEN RECOMMENDATIONS.
- b. MANUFACTURER'S PRODUCT SPECIFICATIONS. c. MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- d. STANDARD COLOR CHARTS. e. MANUFACTURER'S CATALOG CUTS.
- f. WIRING DIAGRAMS SHOWING FACTORY-INSTALLED WIRING.
- q. PRINTED PERFORMANCE CURVES.
- h. OPERATIONAL RANGE DIAGRAMS. i. MILL REPORTS.
- STANDARD PRODUCT OPERATING AND MAINTENANCE MANUALS. k. COMPLIANCE WITH RECOGNIZED TRADE ASSOCIATION STANDARDS.

- G. SHOP DRAWINGS: PREPARE PROJECT-SPECIFIC INFORMATION, DRAWN ACCURATELY TO SCALE. DO NOT BASE SHOP DRAWINGS ON REPRODUCTIONS OF THE CONTRACT DOCUMENTS OR STANDARD PRINTED DATA.
- H. SAMPLES: PREPARE PHYSICAL UNITS OF MATERIALS OR PRODUCTS, INCLUDING THE FOLLOWING:
- a. SAMPLES FOR INITIAL SELECTION: SUBMIT MANUFACTURER'S COLOR CHARTS CONSISTING OF UNITS OR SECTIONS OF UNITS SHOWING THE FULL RANGE OF COLORS, TEXTURES, AND PATTERNS AVAILABLE.
- b. SAMPLES FOR VERIFICATION: SUBMIT FULL-SIZE UNITS OR SAMPLES OF SIZE INDICATED, PREPARED FROM THE SAME MATERIAL TO BE USED FOR THE WORK, CURED AND FINISHED IN MANNER SPECIFIED, AND PHYSICALLY IDENTICAL WITH THE PRODUCT PROPOSED FOR USE, AND THAT SHOW FULL RANGE OF COLOR AND TEXTURE VARIATIONS EXPECTED. SAMPLES INCLUDE. BUT ARE NOT LIMITED TO, THE FOLLOWING: PARTIAL SECTIONS OF MANUFACTURED OR FABRICATED COMPONENTS: SMALL CUTS OR CONTAINERS OF MATERIALS; COMPLETE UNITS OF REPETITIVELY USED MATERIALS; SWATCHES SHOWING COLOR, TEXTURE, AND PATTERN; COLOR RANGE SETS: AND COMPONENTS USED FOR INDEPENDENT TESTING AND INSPECTION
- . PREPARATION: MOUNT, DISPLAY, OR PACKAGE SAMPLES IN MANNER SPECIFIED TO FACILITATE REVIEW OF QUALITIES INDICATED. PREPARE SAMPLES TO MATCH ARCHITECT'S/ENGINEER'S SAMPLE WHERE SO INDICATED. ATTACH LABEL ON UNEXPOSED SIDE THAT INCLUDES THE FOLLOWING:
- GENERIC DESCRIPTION OF SAMPLE. PRODUCT NAME OR NAME OF MANUFACTURER.
- SAMPLE SOURCE. d. ADDITIONAL INFORMATION: ON AN ATTACHED SEPARATE SHEET, PREPARED
- ON CONTRACTOR'S LETTERHEAD, PROVIDE THE FOLLOWING, AS APPLICABLE: SIZE LIMITATIONS. COMPLIANCE WITH RECOGNIZED STANDARDS. AVAILABILITY
- DELIVERY TIME
- e. SUBMIT SAMPLES FOR REVIEW OF KIND, COLOR, PATTERN, AND TEXTURE FOR A FINAL CHECK OF THESE CHARACTERISTICS WITH OTHER ELEMENTS AND FOR A COMPARISON OF THESE CHARACTERISTICS BETWEEN FINAL SUBMITTAL AND ACTUAL COMPONENT AS DELIVERED AND INSTALLED.
- NUMBER OF SAMPLES FOR INITIAL SELECTION: SUBMIT ONE FULL SET OF AVAILABLE CHOICES WHERE COLOR, PATTERN, TEXTURE, OR SIMILAR CHARACTERISTICS ARE REQUIRED TO BE SELECTED FROM MANUFACTURER'S PRODUCT LINE. ARCHITECT/ENGINEER WILL RETURN SUBMITTAL WITH OPTIONS SELECTED.
- g. DISPOSITION: MAINTAIN SETS OF APPROVED SAMPLES AT PROJECT SITE, AVAILABLE FOR QUALITY- CONTROL COMPARISONS THROUGHOUT THE COURSE OF CONSTRUCTION ACTIVITY. SAMPLE SETS MAY BE USED TO DETERMINE FINAL ACCEPTANCE OF CONSTRUCTION ASSOCIATED WITH EACH SFT
- 2.2 INFORMATIONAL SUBMITTALS
- A. GENERAL: PREPARE AND SUBMIT INFORMATIONAL SUBMITTALS REQUIRED BY OTHER SPECIFICATION SECTIONS.
- a. CERTIFICATES AND CERTIFICATIONS: PROVIDE A NOTARIZED STATEMENT THAT INCLUDES SIGNATURE OF ENTITY RESPONSIBLE FOR PREPARING CERTIFICATION. CERTIFICATES AND CERTIFICATIONS SHALL BE SIGNED BY AN OFFICER OR OTHER INDIVIDUAL AUTHORIZED TO SIGN DOCUMENTS ON BEHALF OF THAT ENTITY.
- b. TEST AND INSPECTION REPORTS: COMPLY WITH REQUIREMENTS IN CONTRACT DOCUMENTS.
- B. CONTRACTOR'S CONSTRUCTION SCHEDULE.
- C. MATERIAL TEST REPORTS: PREPARE REPORTS WRITTEN BY A QUALIFIED TESTING AGENCY, ON TESTING AGENCY'S STANDARD FORM, INDICATING AND INTERPRETING TEST RESULTS OF MATERIAL FOR COMPLIANCE WITH REQUIREMENTS.
- D. MAINTENANCE DATA: PREPARE WRITTEN AND GRAPHIC INSTRUCTIONS AND PROCEDURES FOR OPERATION AND NORMAL MAINTENANCE OF PRODUCTS AND EQUIPMENT. COMPLY WITH GENERAL REQUIREMENTS.
- E. MANUFACTURER'S INSTRUCTIONS: PREPARE WRITTEN OR PUBLISHED INFORMATION THAT DOCUMENTS MANUFACTURER'S RECOMMENDATIONS, GUIDELINES, AND PROCEDURES FOR INSTALLING OR OPERATING A PRODUCT OR EQUIPMENT. INCLUDE NAME OF PRODUCT AND NAME, ADDRESS, AND TELEPHONE NUMBER OF MANUFACTURER. INCLUDE THE FOLLOWING, AS APPLICABLE:
- a. PREPARATION OF SUBSTRATES.

INSTALLATION OF PRODUCT.

REQUIREMENTS.

AFFECT WARRANTY.

b. UPDATED CASHFLOW.

f. VARIATION ORDERS.

g. PAYMENT CERTIFICATES.

c. SUBMITTALS LOG.

e. DAILY REPORTS.

DATE OF REPORT PREPARATION.

h. LIST OF PROBLEMS FACED ON SITE.

d. CONSTRUCTION PROGRESS PHOTOGRAPHS.

b. NOTATION OF COORDINATION REQUIREMENTS.

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- b. RECOMMENDATIONS FOR CLEANING AND PROTECTION.
- MANUFACTURER'S FIELD REPORTS: PREPARE WRITTEN INFORMATION DOCUMENTING FACTORY-AUTHORIZED SERVICE REPRESENTATIVE'S TESTS AND INSPECTIONS. INCLUDE THE FOLLOWING, AS APPLICABLE:

SERVICE REPRESENTATIVE MAKING REPORT.

a. NAME, ADDRESS, AND TELEPHONE NUMBER OF FACTORY-AUTHORIZED

b. STATEMENT ON CONDITION OF SUBSTRATES AND THEIR ACCEPTABILITY FOR

c. STATEMENT THAT PRODUCTS AT PROJECT SITE COMPLY WITH

d. SUMMARY OF INSTALLATION PROCEDURES BEING FOLLOWED, WHETHER THEY COMPLY WITH REQUIREMENTS AND, IF NOT, WHAT CORRECTIVE ACTION

e. RESULTS OF OPERATIONAL AND OTHER TESTS AND A STATEMENT OF WHETHER OBSERVED PERFORMANCE COMPLIES WITH REQUIREMENTS. f. STATEMENT WHETHER CONDITIONS, PRODUCTS, AND INSTALLATION WILL

G. INSURANCE CERTIFICATES AND BONDS: PREPARE WRITTEN INFORMATION INDICATING CURRENT STATUS OF INSURANCE OR BONDING COVERAGE. INCLUDE NAME OF ENTITY COVERED BY INSURANCE OR BOND, LIMITS OF COVERAGE, AMOUNTS OF DEDUCTIBLES, IF ANY, AND TERM OF THE COVERAGE.

H. MONTHLY PROGRESS REPORT: REPORT SHALL INCLUDE THE FOLLOWING: a. SCHEDULE OF PLANNING WITH UPDATES AND CURRENT SITUATION AT THE

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I. COMPLIANCE WITH RECOGNIZED TESTING AGENCY STANDARDS.

a. APPLICATION OF TESTING AGENCY LABELS AND SEALS.

PART 3 - EXECUTION

3.1 CONTRACTOR'S REVIEW

A. REVIEW EACH SUBMITTAL AND CHECK FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. NOTE CORRECTIONS AND FIELD DIMENSIONS. MARK WITH APPROVAL STAMP BEFORE SUBMITTING TO ARCHITECT/ENGINEER.

APPROVAL STAMP: STAMP EACH SUBMITTAL WITH A UNIFORM. APPROVAL STAMP. INCLUDE PROJECT NAME AND LOCATION, SUBMITTAL NUMBER, SPECIFICATION SECTION TITLE AND NUMBER, NAME OF REVIEWER, DATE OF CONTRACTOR'S APPROVAL, AND STATEMENT CERTIFYING THAT SUBMITTAL HAS BEEN REVIEWED. CHECKED, AND APPROVED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

3.2 ARCHITECT'S/ENGINEER'S ACTION

- A. GENERAL: ARCHITECT/ENGINEER WILL NOT REVIEW SUBMITTALS THAT DO NOT BEAR CONTRACTOR'S APPROVAL STAMP AND WILL RETURN THEM WITHOUT ACTION.
- B. ACTION SUBMITTALS: ARCHITECT/ENGINEER WILL REVIEW EACH SUBMITTAL, MAKE MARKS TO INDICATE CORRECTIONS OR MODIFICATIONS REQUIRED, AND RETURN IT. ARCHITECT/ENGINEER WILL ATTACH A COVER LETTER TO EACH SUBMITTAL INDICATING AN ACTION TO BE TAKEN, AS FOLLOWS:
- a. APPROVED. b. APPROVED AS NOTED
- c. REVISE RESUBMIT
- d. REJECTED RESUBMIT.
- C. INFORMATIONAL SUBMITTALS: ARCHITECT/ENGINEER WILL REVIEW EACH SUBMITTAL AND WILL NOT RETURN IT, OR WILL REJECT AND RETURN IT IF IT DOES NOT COMPLY WITH REQUIREMENTS, ARCHITECT/ENGINEER WILL FORWARD EACH SUBMITTAL TO APPROPRIATE PARTY.
- D. SUBMITTALS NOT REQUIRED BY THE CONTRACT DOCUMENTS WILL NOT BE REVIEWED AND MAY BE DISCARDED.

SUBMITTAL REQUIREMENTS

SECTION ITEM

	1: GENERAL
01 33 00	SUBMITTAL PROCEDURES
06 15 10	6: WOOD, PLASTICS, AND COMPOSITES CEDAR DECKING
06 15 10	
06 82 00	
	7: THERMAL AND MOISTURE PROTECTION
07 13 13	BITUMINOUS SHEET WATERPROOFING
07 31 13	ASPHALT SHINGLES ROOFING
07 62 00	SHEET METAL FLASHING AND TRIM
07 63 1	GUTTERS AND DOWNSPOUTS
07 71 00	ROOF SPECIALTIES
07 72 00	ROOF ACCESSORIES
07 92 00	JOINT SEALANTS
	8: DOORS AND WINDOWS
08 14 39	PRE-FINISHED WOOD DOORS & FRAMES
08 16 13	
08 34 30	BIFOLD DOORS
08 53 13	VINYL WINDOWS
08 71 00	DOOR HARDWARE
08 71 10	DOOR HARDWARE SCHEDULE
08 80 00	GLAZING
DIVISION	<u>9: FINISHES</u>
09 29 00	
09 30 13	
	0 MARBLE TILE/WINDOW SILL
09 30 50	TILE SETTING MATERIALS AND SUPPLIES
	RESILIENT BASE & ACCESSORIES
09 90 00	
	PAINT SCHEDULE
	10: SPECIALTIES
10 28 00	TOILET BATH ACCESSORIES
	FIRE EXTINGUISHERS
	12: FURNISHINGS
12 35 30	
12 36 61	
<u>DIVISION</u> 31 31 16	31: EARTHWORK TERMITE CONTROL
212110	

SEE OTHER DISCIPLINES FOR ADDITIONAL REQUIRED SUBMITTALS

Tsark Architecture, LLC

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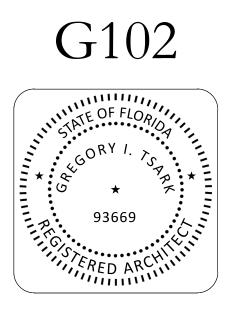
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Description	Date

GENERAL REQUIREMENTS & SUBMITTAL PROCEEDURES

DATE:	12/20/2023
DRAWN BY:	KDB
REVISION:	
SCALE	



DIVISION 3 - CONCRETE

FOUNDATION (SEE STRUCTURAL) DRAWINGS):

A. ALL NOTES, DETAILS, ELEVATIONS, AND SECTIONS SHOWN ON THE DRAWINGS ARE TO BE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN .

B. CONFIRM ALL HORIZONTAL DIMENSIONS WITH OTHER PLANS AND IN FIELD PRIOR TO FABRICATION/CONSTRUCTION

CONCRETE SPLASH BLOCKS

A. PROVIDE PRE-MANUFACTURERED SPLASH BLOCK OF A SIZE AS APPROVED BY THE ARCHITECT OR OWNER

B. MECHANICALLY POLISHED CONCRETE: POLISHED CONCRETE SPECIFICATION

PART I - GENERAL

1.01 SUMMARY, THIS SPECIFICATION INCLUDES THE FOLLOWING: INTERIOR CONCRETE JOINT FILLER, LIQUID DENSIFIER / SEALER AND POLISHING PROCESS

A. GENERAL: DO NOT COMMENCE INSTALLATION OF SEMI-RIGID POLYUREA JOINT FILLER, LIQUID DENSIFIER / SEALER AND POLISHING PROCESSES UNTIL THE BUILDING IS COMPLETELY ENCLOSED, PERMANENT POWER AND LIGHTING IS OPERATING AND THE BUILDING IS THERMOSTATICALLY CONTROLLED. INSTALLATION OF THESE MATERIALS SHALL COMMENCE APROXIMATELY TWO WEEKS PRIOR TO "FIXTURE DATE."

PART II - EXECUTION

2.01 JOINT FILLER INSTALLATION: COMPLY WITH ACI 302 AS APPLICABLE TO MATERIALS, APPLICATIONS, AND CONDITIONS.

A. SURFACE CLEANING OF JOINTS: CLEAN JOINTS IMMEDIATELY BEFORE INSTALLING JOINT FILLER. REMOVE FOREIGN MATERIAL THAT COULD INTERFERE WITH ADHESION OF JOINT FILLER BY BRUSHING, GRINDING, BLAST CLEANING, MECHANICAL ABRADING, OR A COMBINATION OF THESE METHODS TO PRODUCE A CLEAN. SOUND SUBSTRATE CAPABLE OF DEVELOPING OPTIMUM BOND WITH JOINT FILLER. REMOVE LOOSE PARTICLES REMAINING FROM ABOVE CLEANING OPERATIONS BY VACUUMING OR BLOWING OUT JOINTS WITH OIL-FREE COMPRESSED AIR. ALSO REMOVE ALL LAITENCE AND FORM-RELEASE AGENTS FROM CONCRETE SURFACE, CLEAN NONPOROUS SURFACES WITH CHEMICAL CLEANERS OR OTHER MEANS THAT DO NOT STAIN, HARM SUBSTRATES, OR LEAVE RESIDUES COULD INTERFERE WITH ADHESION OF JOINT SEALANTS. ALL SURFACES TO BE FILLED SHALL BE CLEAN AND DRY.

B. MIXING: JOINT FILLER IS A TWO-PART PRODUCT REQUIRING MACHINE MIXING AND PLACING.PREMIX PART "B" SEPARATELY BEFORE USING. FOLLOW PUMP MANUFACT URER'S EQUIPMENT INSTRUCTIONS.

C. PLACEMENT: FOR PROPER LOAD TRANSFER, JOINTS MUST BE FILLED FULL DEPTH, BUT IN NO CASE SHOULD THE JOINT FILLER BE ANY LESS THAN 1" DEEP IN THE JOINT. NO BACKER ROD IS ALLOWED. JOINTS SHOULD BE OVERFILLED AND SHAVED LEVEL WITH THE SURFACE, GIVING THE FLOOR JOINTS A FLAT, SMOOTH APPEARANCE.

D. JOINT FILLER SEPARATION: THE APPROVED JOINT FILLING APPLICATOR SHALL INCLUDE IN THEIR BID A COST PER LINEAR FOOT TO MAKE ONE RETURN TRIP TO REFILL JOINTS IF JOINT FILLER SIDEWALL SEPARATION OR SPLITTING EXCEEDS 1/16," OR IF SURFACE PROFILE IS CONCAVE, CHATTERED OR IF VOIDS OCCUR. THIS SHALL TAKE PLACE ONE WEEK PRIOR TO GRAND OPENING, OR AT OWNER'S REQUEST.

2.02 INITIAL CLEANING FOR LIQUID DENSIFIER AND SEALER APPLICATION: THOROUGHLY CLEAN THE INTERIOR SALES FLOOR SLAB PRIOR TO THE INITIAL APPLICATION OF LIQUID DENSIFIER/SEALER AND POLISHING PROCESS. COMPLETELY REMOVE THE REMNANTS OF THE DISSIPATING OR REMOVABLE CURING COMPOUND FROM THE FLOOR SURFACE. THE FOLLOWING FLOOR STRIPPER OR REMOVAL SOLUTION SHALL BE APPLIED TO THE FLOOR AT THE PROPER RATIO TO THOROUGHLY STRIP, CLEAN AND REMOVE ALL CURING COMPOUND RESIDUE:

I. KUREZ DR VOX (SLAB FIRST): EUCLID "EUCO CLEAN & STRIP" 1. KUREZ RC (SLAB LAST): EUCLID "KUREZ OFF"

2.03 POLISHING PROCESS AND APPLICATION OF LIQUID DENSIFIER / SEALER: PRIOR TO APPLICATION, INSPECT INTERIOR SALES FLOOR SLAB TO ENSURE THAT SLAB IS CLEAN AND FREE OF DUST, GREASE, OILS, OR OTHER CONTAMINANTS THAT MIGHT PROHIBIT THE PROPER APPLICATION AND PENETRATION OF THE LIQUID DENSIFIER AND SEALER.

1. THE FOLLOWING PROCESS IS PROVIDED AS A GUIDE. MANY FACTORS, INCLUDING, BUT NOT LIMITED TO INTERIOR FLOOR SLAB FINISH, HARDNESS AND FLATNESS WILL DETERMINE THE INITIAL DIAMOND TOOLING, INCLUDING ADDITIONAL GRINDING AND/OR POLISHING OPERATIONS REQUIRED TO MEET THE REQUIREMENTS SPECIFIED HEREIN. THE APPROVED APPLICATOR SHALL PROVIDE A TEST POLISH, INCLUDING APPLICATION OF LIQUID DENSIFIER/SEALER TO A DESIGNATED AREA OF THE INTERIOR FLOOR SLAB, USING THE SAME FOUIPMENT TOOLS AND METHODS AS WILL BE USED TO POLISH THE INTERIOR FLOOR SLAB. FLOOR POLISHING AND APPLICATION OF LIQUID DENSIFIER/SEALER SHALL NOT COMMENCE UNTIL GENERAL CONTRACTOR HAS ACCEPTED THE POLISHED INTERIOR FLOOR TEST SLAB.

A. STEP ONE: USING EQUIPMENT WITH SUFFICIENT HEAD PRESSURE (≥ 150 PSI), THOROUGHLY CLEAN THEN GRIND CONCRETE FLOOR WITH A COMBO SET OF 60 GRIT RESIN BOND DIAMONDS AND 100 GRIT RESIN BOND DIAMONDS (NOT PADS). EACH PASS MUST OVERLAP 50% OF THE PREVIOUS PASS. GRIND THE CONCRETE FLOOR AT A RATE TO ALLOW FOR AN EVEN SCRATCH PATTERN. CLEAN FLOOR THOROUGHLY AFTER THIS PASS.

B. STEP TWO: APPLY EUCLID DIAMOND HARD LIQUID DENSIFIER / SEALER AT 225 SQUARE FEET PER GALLON.

C. STEP THREE: USING EQUIPMENT WITH SUFFICIENT HEAD PRESSURE (≥ 150 PSI) POLISH CONCRETE FLOOR WITH A COMBO SET OF 100 GRIT RESIN BOND DIAMONDS AND 200 GRIT RESIN BOND DIAMONDS (NOT PADS). EACH PASS MUST OVERLAP 50% OF THE PREVIOUS PASS. POLISH THE CONCRETE FLOOR AT A RATE TO ALLOW FOR AN EVEN SCRATCH PATTERN. CLEAN FLOOR THOROUGHLY AFTER THIS PASS.

D. STEP FOUR: USING EQUIPMENT WITH SUFFICIENT HEAD PRESSURE (≥ 150 PSI) POLISH CONCRETE FLOOR WITH 400 GRIT RESIN BOND DIAMONDS (NOT PADS). EACH PASS MUST OVERLAP 50% OF THE PREVIOUS PASS. POLISH THE CONCRETE FLOOR AT A RATE TO ALLOW FOR AN EVEN SCRATCH PATTERN. CLEAN FLOOR THOROUGHLY AFTER THIS PASS.

E. STEP FIVE: APPLY EUCLID DIAMOND HARD LIQUID DENSIFIER / SEALER AT 700 SQUARE FEET PER GALLON

F. STEP SIX: BURNISH / POLISH CONCRETE FLOOR WITH 800 GRIT DIAMOND IMPREGNATED PADS

G. STEP SEVEN: BURNISH / POLISH CONCRETE FLOOR WITH 1500 GRIT DIAMOND IMPREGNATED PADS.

1. POLISH RESULTS: PERFORM POLISHING PROCESS TO REACH A SPECIFIED OVERALL GLOSS VALUE (SOGV) OF ≥35 AS MEASURED WITH A HORIBA IG-320, AND A SPECIFIED MINIMUM GLOSS READING (SMGV) OF 30. THE APPROVED APPLICATOR SHALL TAKE FOUR GLOSS MEASUREMENT READINGS AT 90° FROM EACH OTHER, AND THEN AVERAGED FOR ONE READING AT EACH LOCATION, A MINIMUM OF 25 READINGS SHALL BE TAKEN THROUGHOUT THE INTERIOR SALES FLOOR. THE OVERALL MEASUREMENT SHALL BE REPORTED TO GENERAL CONTRACTOR WITHIN 24 HOURS OF THE POLISHING PROCESS. GLOSS SHALL BE CONSIDERED A QUANTITATIVE VALUE THAT EXPRESSES THE DEGREE OF REFLECTION WHEN LIGHT HITS THE CONCRETE FLOOR SURFACE. GLOSS MEASUREMENTS WILL BE TAKEN INDEPENDENT OF AMBIENT LIGHTING AND WILL BE TAKEN WITHIN A SEALED MEASUREMENT WINDOW LOCATED BENEATH THE TEST UNIT.

DIVISION 6 - WOOD AND CABINETRY

WOOD BLOCKING

A. BLOCKING SHALL BE 2X (OR AS NOTED) AND PRESERVATIVE TREATED WHEN IN CONTACT WITH MASONRY OR EXPOSED TO WEATHER. PRESERVATION TREATMENT SHALL CONFORM TO REQUIREMENTS OF AWPA, STANDARD U1 AND M4 FOR THE SPECIES PRODUCT END USE AND PRESERVATIVE TYPE.

B. ROOF EDGE BLOCKING: ALL BLOCKING FOR ROOF EDGES SHALL BE FRT AND ANCHORED PER FBC (LATEST EDITION) - TEST STANDARDS AND RAS-111.

INTERIOR WOOD TRIM:

A. FINISH WOOD DOOR, WINDOW AND WALL BASE TRIM MATERIALS SHALL BE PAINT GRADE COMPOSITE WOOD OR PVC.

GUTTERS AND DOWNSPOUTS

A GUTTERS TO BE MADE OF .040 ALUMINUM OR THICKER AS RECOMMENDED BY THE MANUFACTURER FOR THE USE AND LOCATION AND MOUNTED ON SURFACE OF EAVE OF BUILDING WHERE INDICATED ON THE DRAWINGS, SECURELY ANCHORED AND SEALED TO THE SUBSTRATE TO PREVENT LEAKAGE AND DAMAGE DUE TO WIND. ATTACHMENT SHALL MEET THE REQUIREMENTS OF LOCAL APPLICABLE BUILDING CODES.

B. DOWNSPOUTS TO BE SQUARE (4"X4" UNLESS NOTED OTHERWISE), MADE OF .040 ALUMINUM (KYNAR FINISH) AND MOUNTED BRACKETS AND STRAP OF THE SAME MATERIALS SECURELY ATTACHED TO THE BUILDING TO MEET THE REQUIREMENTS OF LOCAL APPLICABLE BUILDING CODES. FASTENERS SHALL BE OF A NON-CORROSIVE TYPE COMPATIBLE WITH THE MATERIALS.

C. PRIOR TO FABRICATION. THE CONTRACTOR FOR THIS WORK SHALL VISIT THE PROJECT TO OBSERVE THE STATUS OF CONSTRUCTION AND THE CONDITION OF THE SUBSTRATE.

1. THE CONTRACTOR FOR THIS WORK SHALL BE RESPONSIBLE FOR OBTAINING DIMENSIONS FOR FABRICATION OF THE MATERIALS.

2. ONCE FABRICATION AND INSTALLATION COMMENCES, IT WILL BE UNDERSTOOD THAT THE INSTALLER FOR THIS WORK ACCEPTS THE CONDITION OF THE SUBSTRATE TO RECEIVE THE SPECIFIED MATERIALS.

DIVISION 7- THERMAL AND MOISTURE PROTECTION

SEALANTS

A. EXTERIOR "GENERAL" SEALANTS SHALL BE A URETHANE PRODUCT (EQUAL TO SONNERBORN NP-1) TEST SAMPLE AREA TO ASSURE COMPATIBLE WITH ADJACENT MATERIALS AND PAINTABLE

B. REFER TO MANUFACTURED SYSTEMS FOR SEALANT TYPE RECOMMENDED BY MANUFACTURER

C. MISCELLANEOUS MATERIALS SHALL INCLUDE BACKER RODS FOR A WEATHER TIGHT SYSTEM.

D. SEE DIVSION 9 FOR INTERIOR SEALANT (CAULK). ATTIC INSULATION:

A. FURNISH AND INSTALL OWENS CORNING BLOWN-IN "PINK" FIBERGLASS INSULATION OF A UNIFORM THICKNESS TO ACHIEVE R-30 (MIN.) IN ATTIC ABOVE THE GYPSUM BOARD CEILING, CONTINUOUS OVER AIR-CONDITIONED SPACES.

RIGID WALL INSULATION:

A. FURNISH & INSTALL NOMINAL 1 1/2" THICK CLOSED CELL FOAM INSULATION BOARD TIGHT AND CONTINUIOUS ON INSIDE OF EXTERIOR WALLS FURRED SPACE USING METAL 'Z' FURRING FOR ATTACHMENT, FILL VOIDS WITH FOAM INSULATION ROOF SHINGLES:

A. BASIS OF DESIGN IS THE CERTAINTEED "LANDMARK PREMIUM" PRODUCT WITH

A 50 YEAR PRODUCT WARRANTY AND HAS A 130 MPH WIND RATING. B. SHINGLES SHALL BE INSTALLED OVER WATER MEMBRANE UNDERLAYMENT OF 60 MIL (MIN.) PEEL-N-STICK PROPERLY LAPPED SHALL BE INSTALLED OVER A BASE SHEET UNDERLAYMENT. PRODUCT BASIS IS THE POLYGLASS POLYSTICK IR-XE

FASCIA AND SOFFITS:

A. PREFABRICATED ALUMINUM MATERIAL WITH BAKED ENAMEL PAINT FINISH SOFFIT SHALL BE CONTINUOUSLY PERFORATED FOR VENTILATION, ATTACH PER MFG TO MEET CODES. ALUMINUM FASCIA SHALL WRAP THE 2 X SUBFASCIA BOARD .

DAMPPROOFING:

A. FURNISH AND INSTALL A BITUMINOUS COMPOUND TO EXTERIOR SIDE OF EXTERIOR MASONRY WALLS IN CONTINUOUS SMOOTH COATING FROM TOP OF TIE-BEAM TO FOOTING AND AROUND ALL OPENINGS PRIOR TO INSTALLING FURRING AND RIGID INSULATION.

FLASHING:

A. METAL FLASHINGS: FURNISH AND INSTALL 0.0400"ALUMINUM OR 22 GAGE STAINLESS STEEL FLASHING MATERIALS WHERE NOTED OR DETAILED OR REQUIRED TO PROVIDE LEAK-FREE TRANSITION OF MATERIALS.

B. FLASHING GAGE AND ATTACHMENT SHALL COMPLY WITH FBC (LATEST EDITION) TEST PROTOCOL MANUAL (RAS-111).

ARCHITECTURAL SPECIFICATIONS

DIVISION 8 - DOORS AND WINDOWS

EXTERIOR FIBERGLASS DOORS:

A. BASIS OF DESIGN ARE PRODUCTS BY BELLVILLE ® OR APPROVED EQUAL B. PROVIDE 6-PANEL INSULATED, HURRICANE RATED, FIBERGLASS DOORS.

C. PRIME DOORS FOR FIELD PAINT.

D. MANUFACTURER OF THE DOOR-FRAME UNIT SHALL SUBMIT TEST DATA WHICH MEETS THE CURRENT REQUIREMENTS OF THE LATEST BUILDING CODE FOR WIND PRESSURES AND WIND-BORNE DEBRIS

E. ANCHOR DOOR FRAME TO MASONRY IN ACCORDANCE WITH THE MFG RECOMMENDATIONS & TESTS TO MEET CODES.

F. PROVIDE WEATHER STRIPPING AT EXTERIOR DOORS.

G. DOORS TO BE PRE-HUNG ON WOOD FRAMES

MASONITE ® INTERIOR DOORS:

A. BASIS OF DESIGN IS MASONITE ® 6-PANEL OR EQUAL

B. DOORS SHALL BE 1-3/4" THICK WITH MEDIUM STILE

C. PRIME DOORS FOR FIELD PAINT.

FINISH DOOR HARDWARE:

D. DOORS TO BE PRE-HUNG ON WOOD FRAMES

A. EXTERIOR DOORS: PROVIDE COMMERCIAL GRADE PRODUCTS AS IDENTIFIED ON THE PLANS AND IN THE DOOR HARDWARE SCHEDULE.

B. INTERIOR DOORS: PROVIDE COMMERCIAL GRADE PRODUCTS AS IDENTIFIED ON THE PLANS AND IN THE DOOR HARDWARE SCHEDULE.

WINDOWS: A. BASIS OF DESIGN IS PGT ® - SH5500

B. FRAMES TO BE WINDGUARD ® VINYL, WHITE

C. GLASS TO BE CLEAR, HURRICANE RATED, HIGH PERFORMANCE LOW E COATING, NO GRID FEATURES AND STANDARD 1816 CHARCOAL SCREEN

D. MANUFACTURER OF THE WINDOW UNIT SHALL SUBMIT TEST DATA WHICH MEETS THE CURRENT REQUIREMENTS OF THE LATEST BUILDING CODE FOR WIND PRESSURES AND WIND-BORNE DEBRIS.

DIVISION 9 - FINISHES

INTERIOR FRAME WALLS:

A. PRODUCTS FOR NON-LOAD BEARING PARTITION WALLS SHALL BE NO. 2 SOUTHERN YELLOW PINE.

B. FURNISH AND INSTALL NEW NOMINAL 4" OR 6" WOOD STUDS TO PRESSURE TREATED BASE PLATE AND DOUBLE CAP PLATE AT 16" ON CENTER (UNLESS NOTED OTHERWISE).

C. FURNISH AND INSTALL 5/8" THICK STANDARD, MOISTURE RESISTANT, FIRE RATED (TYPE 'X') OR ABUSIVE RESISTANT GYPSUM WALLBOARD AND ACCESSORIES AS DETAILED AND REQUIRED TO PROVIDE A COMPLETED WORK PRODUCT INCLUDING CORNER BEADS, 'J' BEAD EDGES, ETC.

D. TAPE AND MUD TO RECEIVE A SPRAYED ON ORANGE PEEL TEXTURE (OR OTHER TEXTURE AS AGREED BY THE ARCHITECT). FOR PAINTED WALLS/CEILINGS

ACOUSTICAL INSULATION:

A. PROVIDE A MINERAL WOOL PRODUCT TO COMPLY WITH ASTM, AND AS INDICATED IN PARTITION TYPE DETAILS. INSTALL WITHIN CAVITY OF 3-1/2" (MIN.) THICKNESS BY WIDTH TO FILL STUDS/JOISTS.

DRYWALL CEILING:

A. INSTALL 5/8" THICK GYPSUM BOARD CEILING ON TRUSS FRAMING PER USG REQUIREMENTS.

B. TAPE, MUD AND FINISH WITH TEXTURE ACCEPTABLE.

SOLID SURFACE (WHERE INDICATED):

A. MATERIAL: SOLID ACRYLIC PLASTIC AND RESINS, I.E., CORIAN, FORMSTONE OR SOLID POLYESTER COMPOSITION, I.E., AVONITE, SURELL

B. PROVIDE SOLID SURFACE COUNTERTOPS WITH BACKSPLASH AND WITH OR WITHOUT INTEGRAL SINK BOWLS WHERE IDENTIFIED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

C. COLOR AND BOWL STYLE PER THE OWNER. PREP VANITIES TO RECEIVE FAUCETS, FITTINGS & ACCESSORIES. TOPS SHALL BE SECURED TO THE BASE STRUCTURE.

PVC WALL BASE:

A. MANUFACTURERS: PROVIDE 3 1/4" PVC BASE AS PRODUCED BY A SINGLE MANUFACTURER, INCLUDING RECOMMENDED PRIMERS, ADHESIVES, AND PAINTS. BASIS OF DESIGN: ROYAL BUILDING PRODUCTS 5523 WHITE COLONIAL BASE MOULDING. USE MDF BASE AS ADD ALTERNATE.

C. ADHESIVES (CEMENTS): WATERPROOF, STABILIZED TYPE TO SUIT MATERIAL AND SUBSTRATE CONDITIONS. BASIS OF DESIGN: LIQUID NAIL

D. INSTALLATION: CLEAN ALL SURFACES AND FILL SMALL CRACKS, HOLES, AND DEPRESSIONS IN WALLS.

2. ADHERE TO WALL SUBSTRATES USING FULL SPREAD OF ADHESIVE APPLIED.

STUCCO:

A. PROVIDE A 3-COAT STUCCO FINISH TO THE NEW EXTERIOR MASONRY WALLS WHICH ARE A PART OF THIS WORK. PRODUCTS AND INSTALLATION SHALL COMPLY WITH ASTM.

B. PROVIDE NEW PVC ACCESSORIES AT LOCATION CORNERS, CONTROL JOINTS AND REVEALS.

CERAMIC TILE:

A. FLOOR TILE SHALL BE A 10"X14" DAL PORCELAIN TILE PRODUCT. INSTALL ON CONCRETE OR MUD BED PER TCA STANDARDS. PROVIDE EPOXY GROUT AT TOILET ROOMS.

CAULKING:

A. PROVIDE NEW LATEX BASED, LOW VOC, CAULKING AT JOINTS BETWEEN CHANGES IN MATERIALS (I.E. WALLS AT DOORS, WINDOWS AND FRAMES. BUILT-IN CABINETS, ETC).

DIVISION 9 - FINISHES CONT.

PAINTING:

A. BASIS OF DESIGN FOR ALL PAINT PRODUCTS ARE THOSE PRODUCED BY VALSPAR FOR EXTERIOR AND BEHR FOR INTERIOR OR EQUAL.

B. PROVIDE 2 COATS OF PREMIUM PAINT ON PRIMER/SEALER AT ALL WALLS, DOORS, TRIM AND SURFACE WHICH ARE NOT FACTORY FINISHED. COLOR AND SHEEN SHALL BE PER OWNER'S SELECTION.

C. EXTERIOR PAINT

1. PRIMER COATS: MASONRY/CONCRETE/STUCCO: VALSPAR INTERIOR/EXTERIOR BONDING WATERBASE PRIMER

2. FINISH COATS:

FIBERGLASS DOORS/MASONRY/CONCRETE/STUCCO: TWO COATS OF PRO INDUSTRIALSEMI-GLOSS EXTERIOR LATEX COATING (APPLY AT 5-7 MILS WET).

D. INTERIOR PAINT

1. PRIMER COATS:

DRYWALL: BEHR DRYWALL PLUS PRIMER & SEALER NO. 73 2. FINISH COATS:

DRYWALL/DOORS/BASE/TRIM: BEHR INTERIOR SEMI GLOSS ENAMEL PAINT NO. 3050

E. PREPARATION FOR ALL PAINTED SURFACES SHALL BE PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

H. NEW INTERIOR DRYWALL SHALL BE PRIMED BEFORE RECEIVING TWO FINISH COATS OF PREMIUM ACRYLIC SEMI-GLOSS WALL PAINT.

G. NEW INTERIOR DOOR FRAMES SHALL RECEIVE TWO COATS OF WATER BASED ENAMEL PAINT OVER MANUFACTURE APPLIED PRIMER.

DIVISION 10 - SPECIALTIES

TOILET ACCESSORIES:

BASIS OF DESIGN SHALL BE AS INDICATED ON PLANS. SEE ACCESSORIES SCHEDULE ON SHEET A701. ALL ACCESSORIES TO BE CONTRACTOR PROVIDED AND INSTALLED.

FIRE EXTINGUISHERS:

A. PROVIDE THE FOLLOWING NEW EXTINGUISHERS, BRACKETS THROUGHOUT PROJECT WHERE IDENTIFIED ON THE LIFE SAFETY PLAN.

MULTI-PURPOSE USE, CLASS A, B, AND C FIRES.

DIVISION 11 - EQUIPMENT

KITCHEN EQUIPMENT

A. NEW EQUIPMENT IS CONTRACTOR PURCHASED AND INSTALLED.

DIVISION 12 - FURNISHINGS

CABINETRY:

A. PRODUCTS SHALL BE AWI QUALITY AND NON-FACE FRAME AS MANUFACTURED BY A COMPANY WITH 5 YEARS MINIMUM EXPERIENCE AT FABRICATION OF SAME PRODUCTS.

B. PRODUCTS SHALL BE:

1. 5 PIECE MITERED FOR EXPOSED TO VIEW DOORS AND CASES BALANCED ON INTERIOR WITH NATURAL FINISH.

2. COUNTERTOP SHALL BE ACRYLIC SOLID SURFACE, CORIAN OR EQUAL

C. EXPOSED EDGES SHALL BE A MINIMUM 3MM EDGE BANDING WITH EASED EDGES AND COLOR TO MATCH THE NATURAL LOOK.

D. BASE SHALL BE FRAMELESS

E. BACK SHALL BE 1/4" THICK PLYWOOD PRE-FINISHED WITH NATURAL LOOK.

F. HARDWARE TO INCLUDE:

1. BLUM, SOFT CLOSE, 6-WAY ADJUSTABLE .095" THICK STEEL WITH DULL CHROME.

2. SHELF SUPPORT OF SELF LOCKING NYLON DESIGNED FOR INSTALLATION INTO PRE-DRILLED HOLES WITHIN CABINET INTERIOR.

3. PULLS AT 3" LONG X 1/4" DIAMETER ALUMINUM WITH BRUSHED NICKLE FINISH TO MATCH HINGES.

4. DRAWER GLIDES TO BE UNDEMOUNT TYPE FOR REGULAR DRAWERS WHICH SHALL BE SELF-CLOSING FROM A FOUR (4) INCH EXTENSION.

6. EACH GUIDE SHALL HAVE A MINIMUM LOAD CAPACITY OF ONE HUNDRED (100) LBS. AND BE OF ZINC COATED COLD ROLLED STEEL.

G. PROVIDE 2-BY BACKING FOR MISC. DETAILS (SEE DRAWINGS) AND BACK BLOCKING IN WALLS FOR WALL HUNG ITEMS; I.E. CABINETRY, PLUMBING, TOILET ACCESSORIES, FIXTURES, GRAB BARS, ETC.

DIVISION 32 - EXTERIOR IMPROVEMENTS

SOIL POISONING

A. FURNISH & INSTALL CHEMICAL POISONING OF SOIL FOR SUBTERRANEAN TERMITES BENEATH CONCRETE SLABS AND PADS OF BUILDING A DIRECTLY ADJACENT THERETO, IN ACCORDANCE WITH FLORIDA BUILDING CODE .

B. UTILITIES: SEE CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.

LANDSCAPE:

A. IF PLANS DO NOT INCLUDE SUFFICIENT DETAILS CONTRACTOR SHALL PROVIDE TREES. SHRUBS AND SEEDING AND/OR SOD IN KEEPING WITH THE PLANS AND THE LOCAL ORDINANCES.

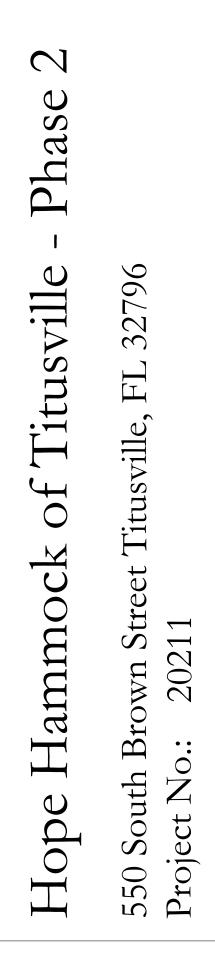
B BASIS OF DESIGN SHALL BE J.L. INDUSTRIES MODEL NO J-2#5 FOR

C. NEW BRACKETS SHALL BE A STRAP HELD LEDGER TYPE HANGER.

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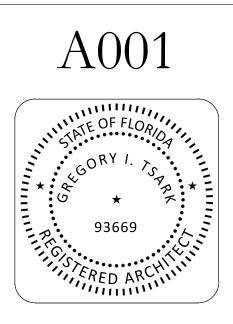
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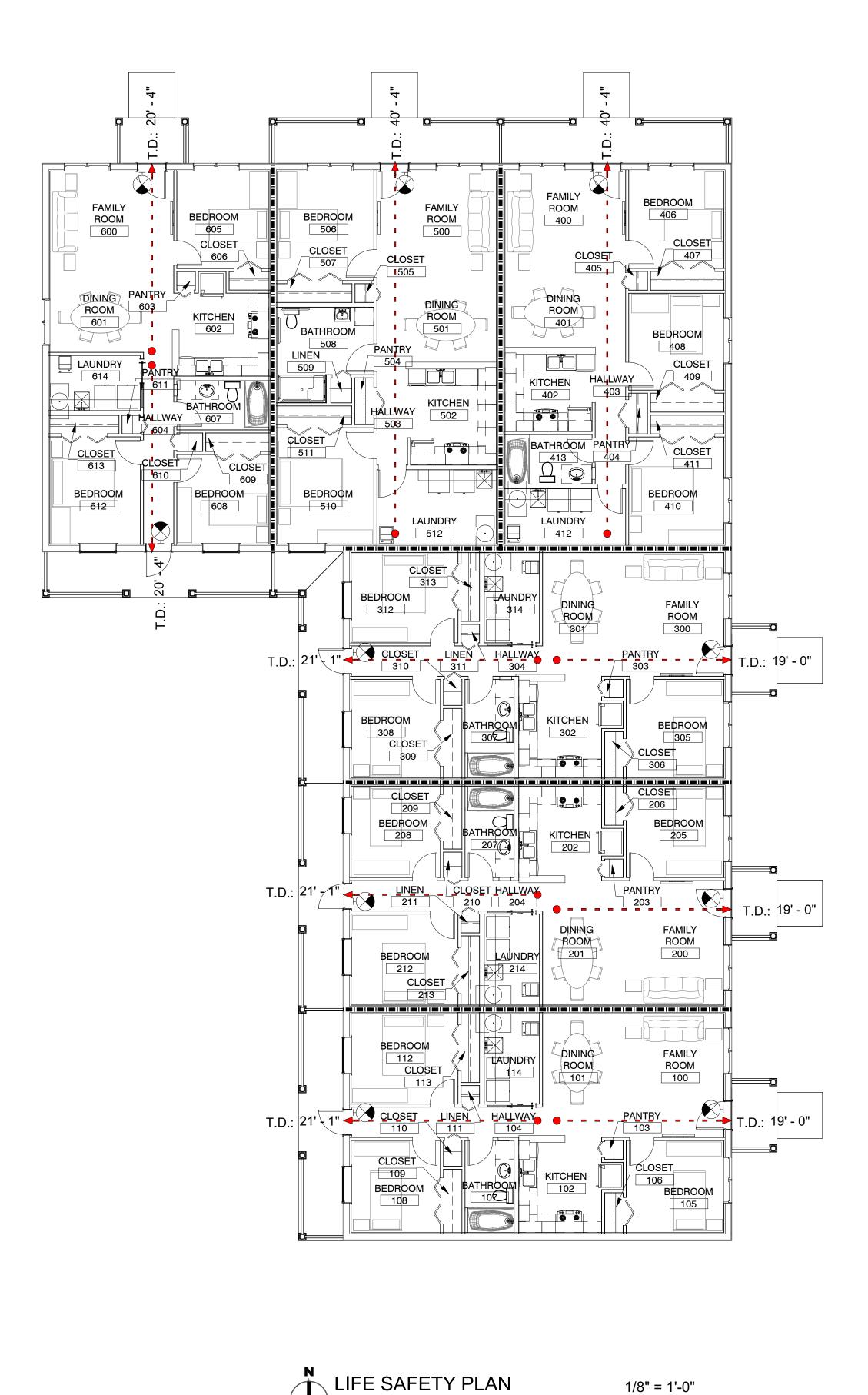


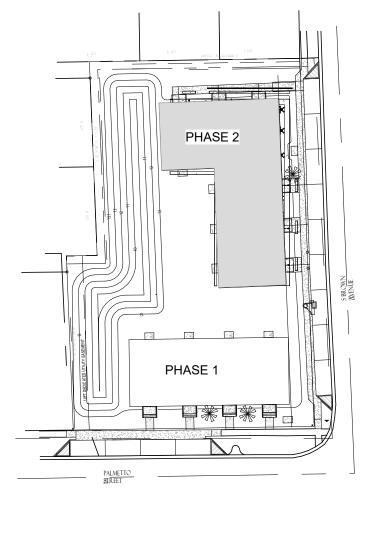
Description	Date

ARCHITECTURAL **SPECIFICATIONS**

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	







KEY PLAN PHASE 2

	TY NOTES				
		FOR REVIEW PURPOSES ONLY. SE TED PARTITION TYPES.	E FLOOR		
2. CONSTRUCT FIRE- ABOVE.	RATED WALLS TIC	GHT AGAINST THE FLOOR OR ROC	OF DECK		
3. ALL RATED ASSEM CONSTRUCTION.	BLIES SHALL BE N	IAINTAINED THROUGHOUT ALL S	TAGES OF	TS/	R
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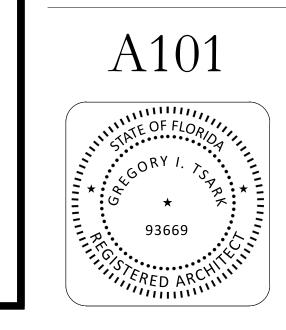
BATHROOM SINK

BATH TUB/SHOWER

Description	Date

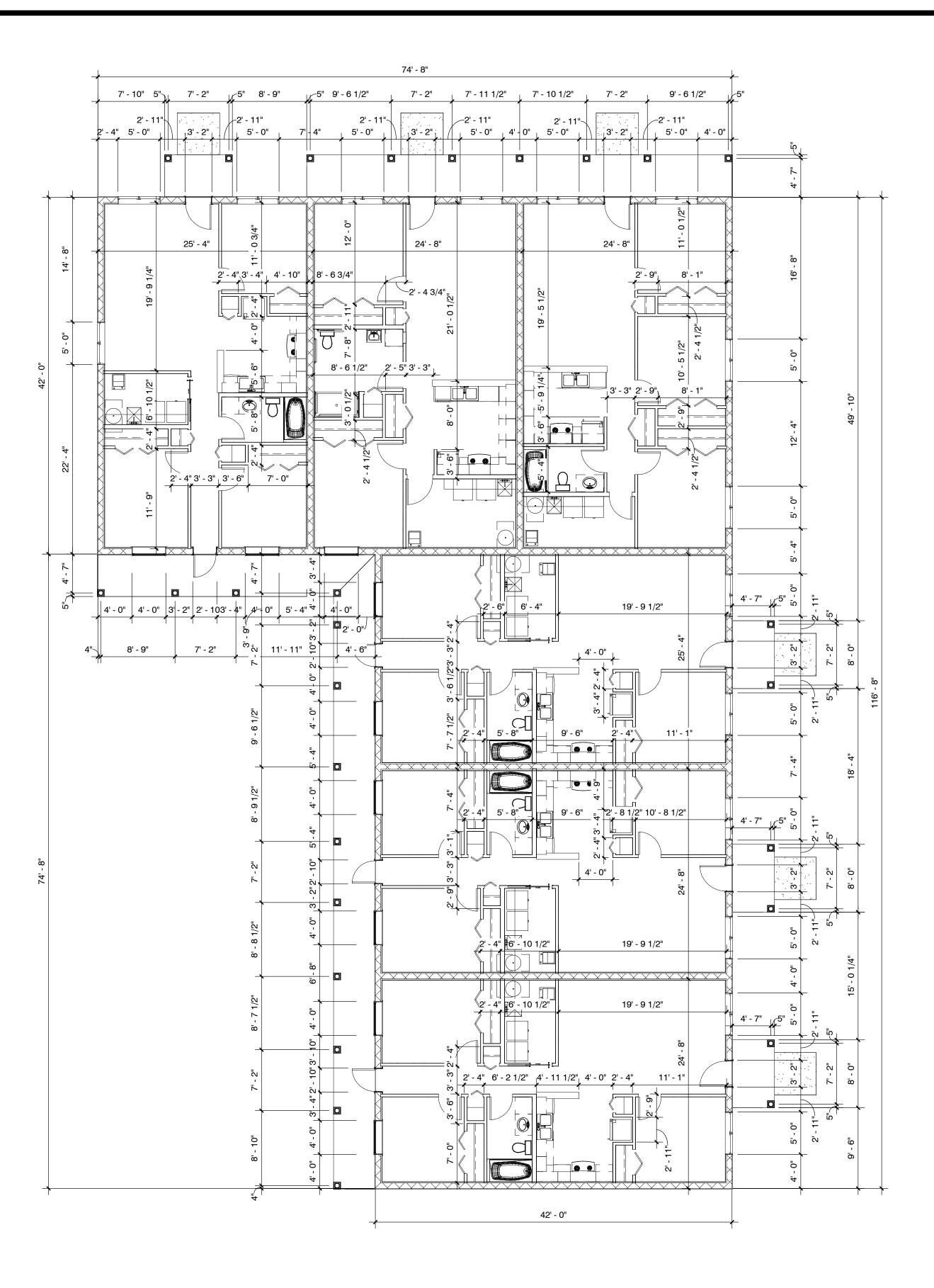
REFERENCE PLAN/LIFE SAFETY PLAN

12/20/2023
CW
As indicated



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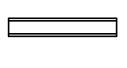
DIMENSION PLAN PHASE 2 1/8" = 1'-0"

LAYOUT NOTES

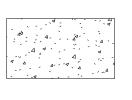
- 1. SHOULD CONDITIONS OR DIMENSIONS VARY FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT BEFORE PROCEEDING. USE FIGURED DIMENSIONS. DO NOT SCALE DRAWINGS. WHERE DIMENSIONS ARE SHOWN WITH A "±", ADJUSTMENTS MAY BE MADE TO SUIT FIELDCONDITIONS.
- 2. VERIFY DIMENSIONS IN FIELD BEFORE PROCEEDING WITH WORK. NOTIFY ARCHITECT OF DISCREPANCIES, CONFLICTS, AND MODIFICATIONS.
- 3. ALL DIMENSIONS FOR DRYWALL PARTITIONS ARE TO FACE OF GYPSUM BOARD OR CEMENT BOARD, UNLESS NOTED OTHERWISE.
- 4. ALL DIMENSIONS FOR CONCRETE MASONRY UNIT CONSTRUCTION ARE NOMINAL AND ARE TO FACE OF C.M.U., UNLESS NOTED OTHERWISE.
- 5. ALL DIMENSIONS FOR OPENINGS ARE NOMINAL. COORDINATE ACTUAL DIMENSIONS WITH OPENING SIZES AND DETAILS.
- 6. LOCATE DOORS 4" FROM BACK OF FRAME TO END OF PARTITION IN WHICH DOOR IS INCORPORATED, UNLESS NOTED OTHERWISE.
- WHERE DIFFERENT PARTITION TYPES OF VARYING WIDTHS EXIST ADJACENT TO ONE ANOTHER, THE FRAMING SHALL ACCOMMODATE A SMOOTH AND CONTINUOUS SURFACE ACROSS PARTITION TYPES.

LEGEND

NEW CONSTRUCTION - MASONRY



NEW CONSTRUCTION - METAL STUD



CONCRETE WALKWAYS

EDGE OF OVERHEAD CONSTRUCTION

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MANEUVERING CLEARANCES AT DOORS AND TOILET ROOM FIXTURES



Tsark Architecture, LLC

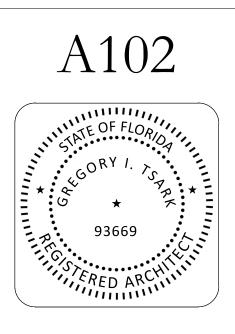
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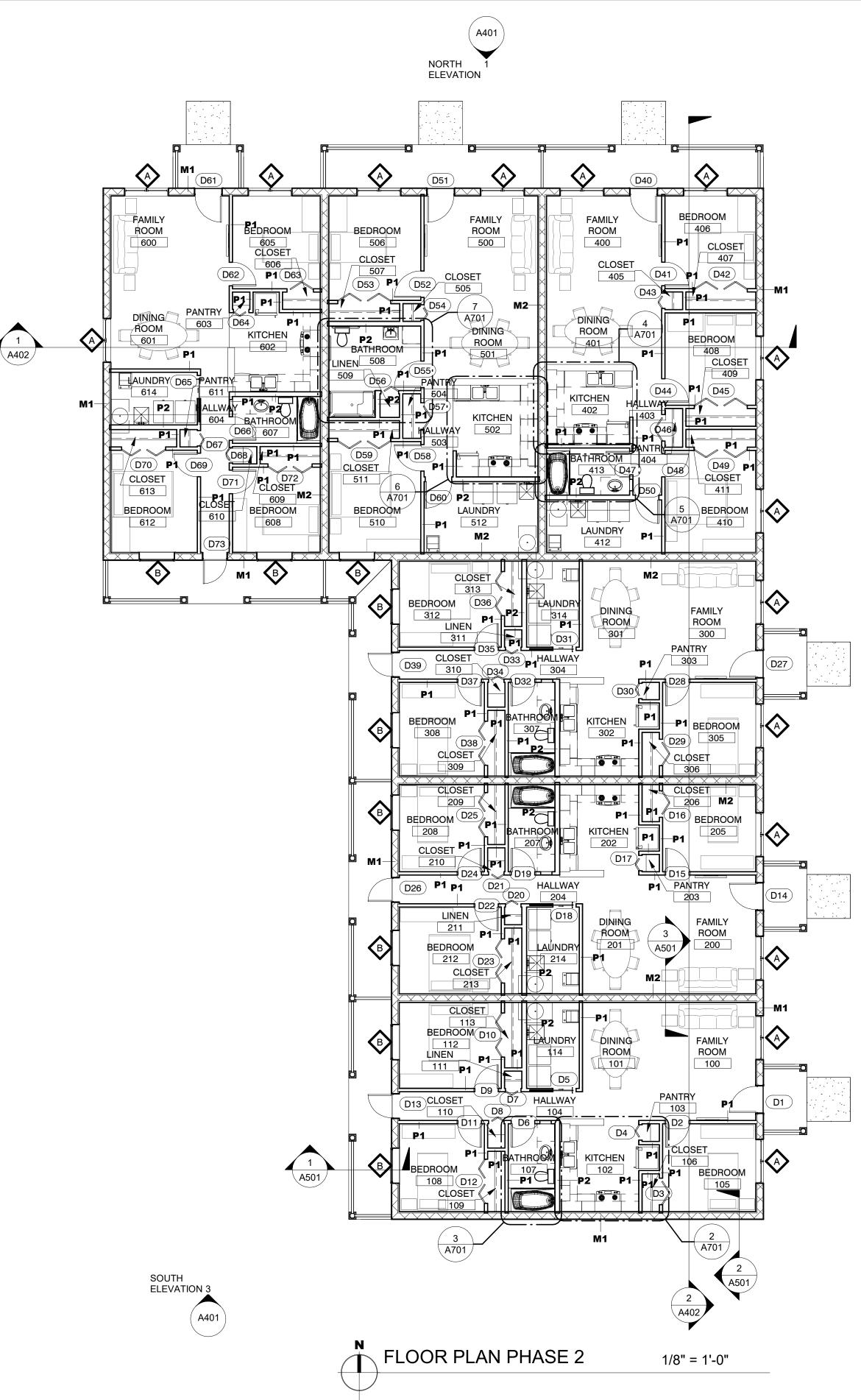
 \sim \mathbf{O} Phase 2796 \mathbf{O} 11 \mathcal{O} S Г tu Ī Titusville, H 4 \bigcirc Ck et Ū 0 $\overline{}$ IJ - \sim 550 South Brown Project No.: 202 \frown Ham Hope

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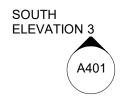
DIMENSION PLAN

12/20/2023
CW
1/8" = 1'-0"





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GENERAL NOTES

- 1. MOUNT FIRE EXTINGUISHER CABINETS AT 4'-0" A.F.F. MEASURED TO CENTERLINE OF CABINET HANDLE.
- 2. PROVIDE BLOCKING IN PARTITIONS FOR ALL WALL-MOUNTED EQUIPMENT
- LOOSE FURNITURE IS SHOWN FOR ILLUSTRATIVE PURPOSES AND IS NOT IN CONTRACT FOR CONSTRUCTION.
- 4. DO NOT SCALE DRAWINGS; WHERE DIMENSIONS ARE UNCLEAR, REQUEST CLARIFICATION FROM ARCHITECT.
- 5. LIMITS OF EXISTING CONSTRUCTION ARE SHOWN FOR REFERENCE ONLY. SCOPE OF WORK MAY INCLUDE PARTS OF EXISTING AREA FOR PURPOSES OF ACCESS AND CONNECTION OF NEW CONSTRUCTION.

LEGEND

NEW CONSTRUCTION - MASONRY

NEW CONSTRUCTION - WOOD STUD

4 . 4 . 4

CONCRETE WALKWAYS

EDGE OF OVERHEAD CONSTRUCTION

 $\Gamma = \neg /$

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MANEUVERING CLEARANCES AT DOORS AND TOILET ROOM FIXTURES



Tsark Architecture, LLC

1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

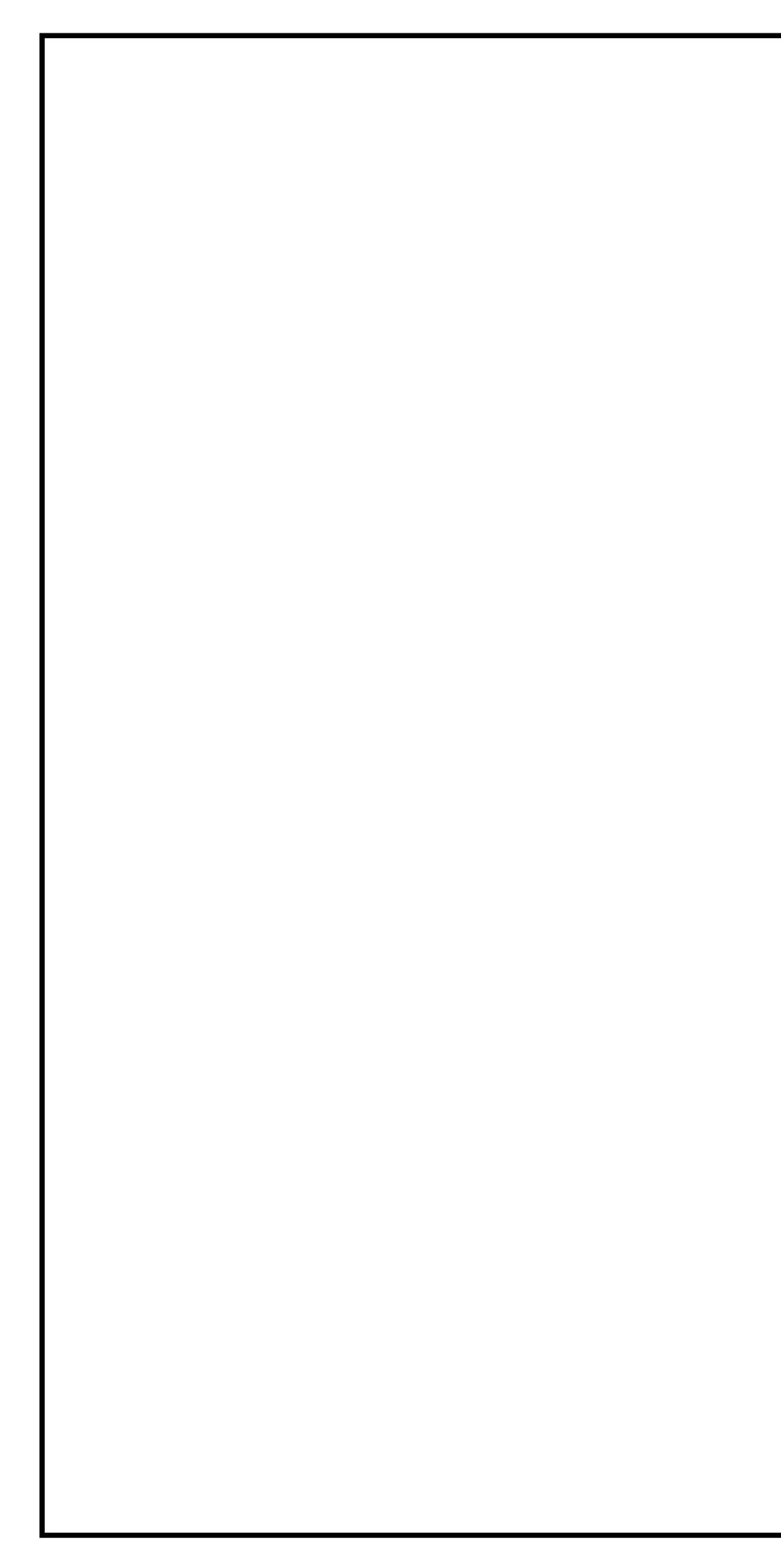
> \sim U Phas(2796 C 11 \mathcal{O} tus Γ ΓŢ Titusville, H Ч \bigcirc mock eet $\overline{}$ - \sim 550 South Brown S Project No.: 2021 Ham Hope

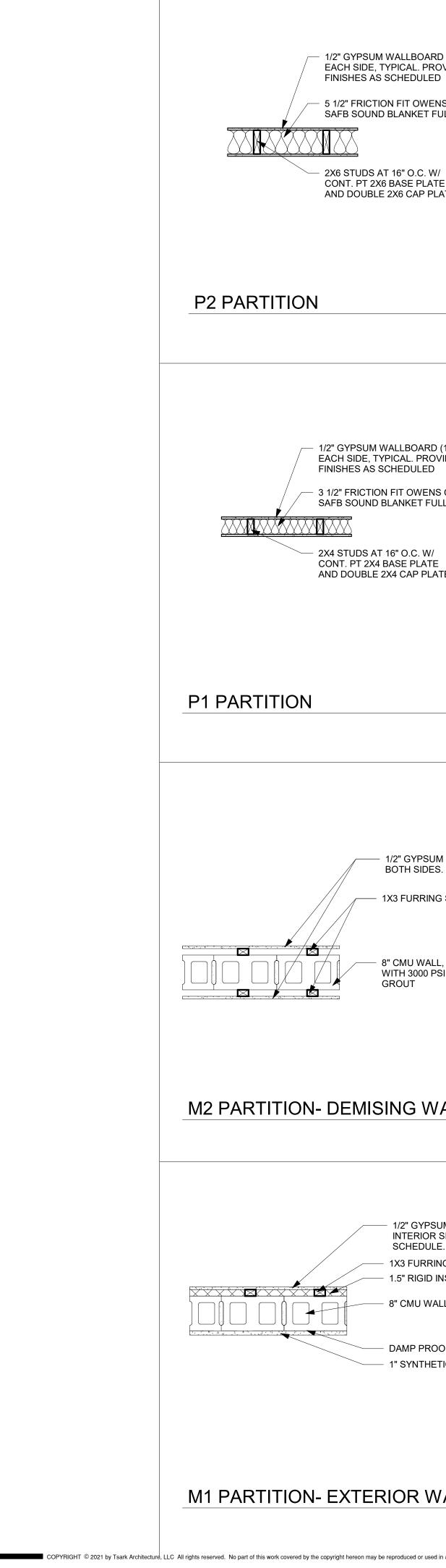
Description	Date

FLOOR PLAN

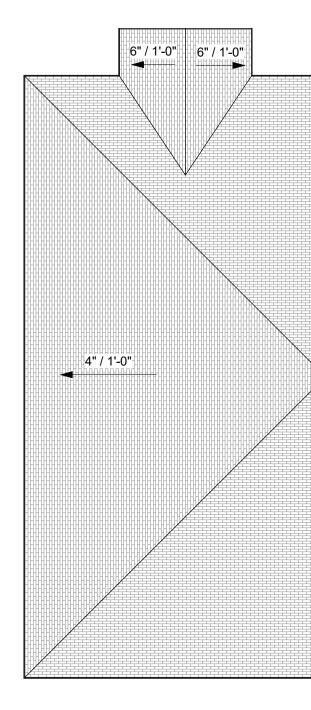
12/20/2023
C)//
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1/8" = 1'-0"

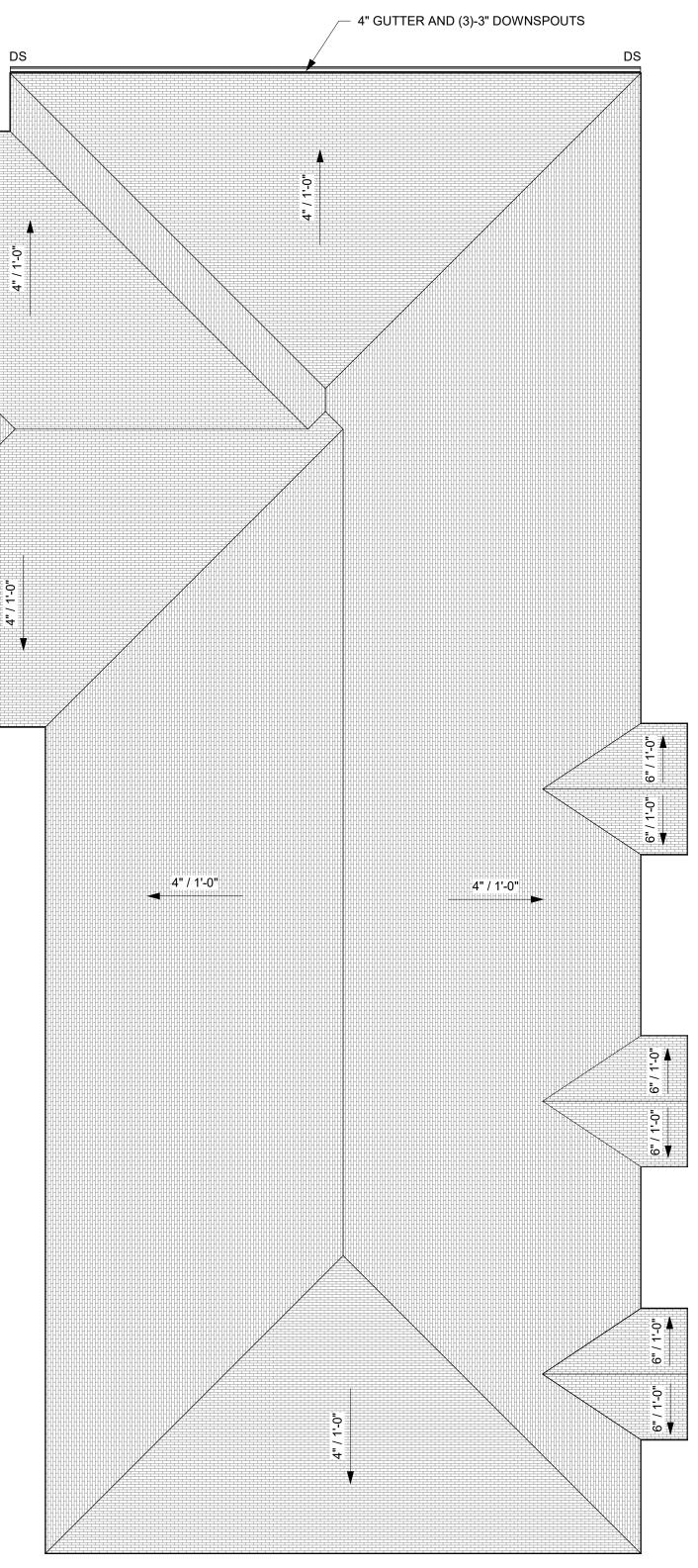






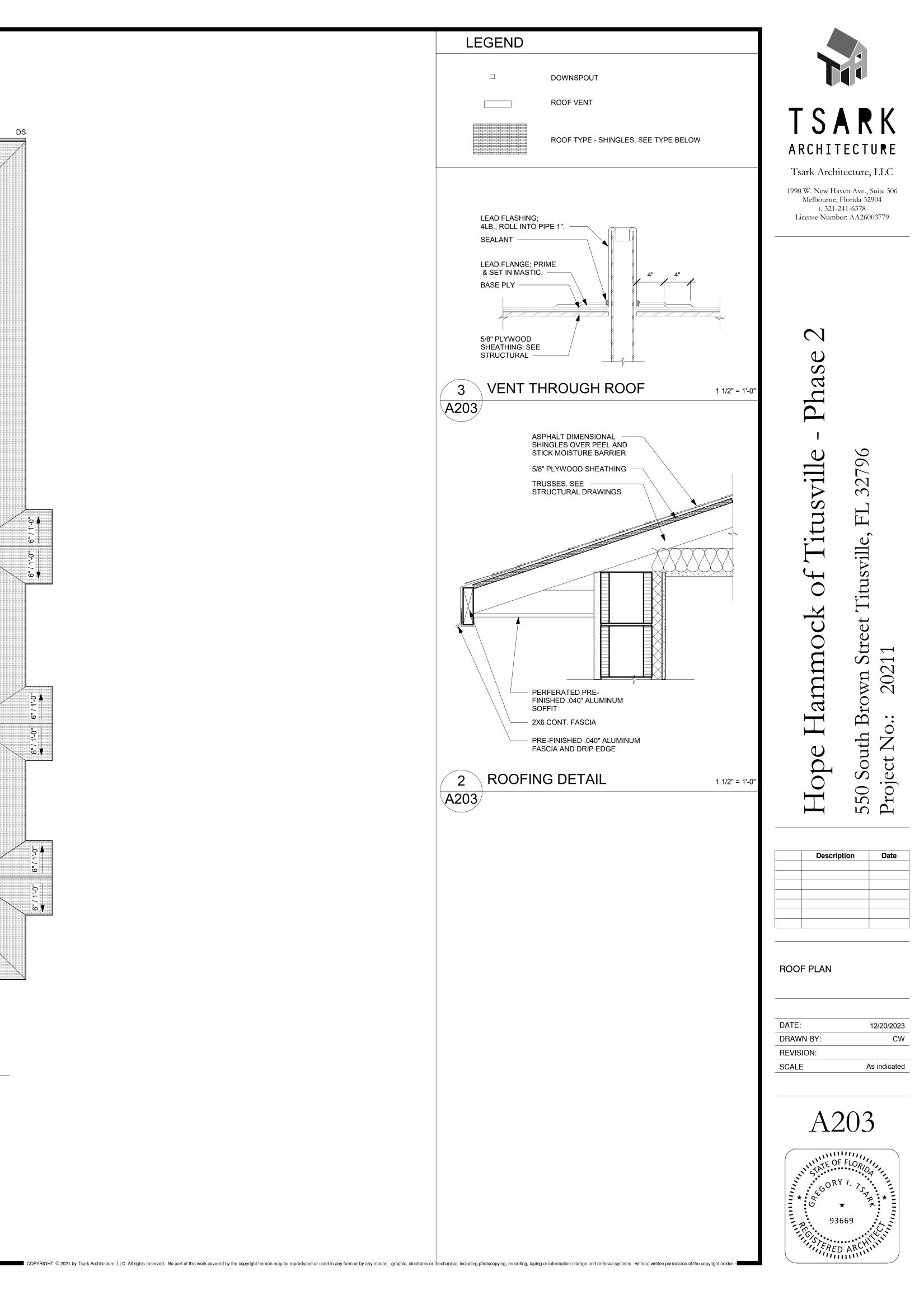
	PARTITION TYPE NOTES	
	1. ALL PARTITIONS IN DAMP/WET LOCATIONS TO RECEIVE MOISTURE RESISTANT GYPSUM WALL BOARD. MOISTURE RESISTANT GYP. BOARD TO 48" A.F.F. IN KITCHENS BEHIND CABINETRY AND FOR ALL PARTITIONS FLOOR TO CEILING IN RESTROOMS AND NON-CONDITIONED SPACES	
ARD (1)-LAYER PROVIDE WALL LED	2. PARTITIONS IN WET LOCATIONS, SHOWERS, MOP SINKS, ETC. AND ALL WALL SURFACES RECIEVING CERAMIC WALL TILE SHALL HAVE CEMENTITIOUS BACKER	TSARK
/ENS CORNING T FULL HEIGHT	 UNITS IN LIEU OF GYPSUM WALL BOARD, PROPERLY SEALED, READY FOR FINISHES. 3. PROVIDE FIRE TREATED WOOD BLOCKING AND FIRE TREATED PLYWOOD BACKER BOARD AT ALL SHELVING, CASEWORK AND ACCESSORY LOCATIONS.14 GA. GALV. SHEET METAL MAY BE USED IN LIEU OF WOOD BLOCKING. 	ARCHITECTURE
	4. WALLS OF DIFFERENT WIDTHS THAT ALIGN SHALL REMAIN FLUSH TO ONE ANOTHER	Tsark Architecture, LLC
W/ ATE PLATE	 PERMANENTLY IDENTIFY WITH 3" RED STENCILING IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, AT 12 FOOT INTERVALS, THE PHRASE "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". 	1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779
	6. ALL PERIMETER EXTERIOR MASONRY WALLS SHALL RECIEVE CORE-FILL 500 FOAM INSULATION BY TAILORED CHEMICAL PRODUCTS, INC. OR EQUAL	
	7. PAINTED MASONRY TO CONSIST OF BLOCK FILLER, PRIMER, AND FINISH COAT. DESIGN NO. U419	
	* NONBEARING WALL RATINGS 1, 2, 3 OR 4 HR	
3/4" = 1'-0"	 FLOOR AND CEILING RUNNERS (NOT SHOWN) CHANNEL SHAPED, FABRICATED FROM MINIMUM 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH TO ACCOMMODATE STUD SIZE, WITH MIN 1-1/4 IN. LONG LEGS, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAXIMUM. STEEL STUDS CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION- 	\sim
	PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT AND INSTALLED WITH A 1/2 IN. GAP BETWEEN THE END OF THE STUD AND TRACK AT THE BOTTOM OF THE WALL. FOR DIRECT ATTACHMENT OF GYPSUM BOARD ONLY.	lase
RD (1)-LAYER ROVIDE WALL ED	4. BATTS AND BLANKETS- PLACED IN STUD CAVITIES, ANY GLASS FIBER OR MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE.	
ENS CORNING FULL HEIGHT	5. GYPSUM BOARD* GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. VERTICAL JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED ONE STUD CAVITY. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED	11e - 796
N/ \TE PLATE	NOT BE STAGGERED. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED A MIN OF 12 IN. THE THICKNESS AND NUMBER OF LAYERS FOR THE 1 HR, 2 HR, 3 HR AND 4 HR RATINGS ARE AS FOLLOWS:	ISVI L 32
	Gypsum Board Protection on Each Side of Wall Rating, Hr Min Stud Depth, No. of Layers, Thkns of Panel Ins. Thkns 1 3-1/2 1 layer, 5/8 in. thick Optional	itu e, F
	1 2-1/2 1 layer, 1/2 in. thick 1-1/2 in. 1 1-5/8 1 layer, 3/4 in. thick Optional 2 1-5/8 2 layers, 1/2 in. thick Optional	of T itusvill
	2 1-5/8 2 layers, 5/8 in. thick Optional 2 3-1/2 1 layer, 3/4 in. thick 3 in. 3 1-5/8 3 layers, 1/2 in. thick Optional	ofo
3/4" = 1'-0"	31-5/82 layers,3/4 in. thick Optional31-5/83 layers,5/8 in. thick Optional41-5/84 layers,5/8 in. thick Optional41-5/84 layers,1/2 in. thick Optional	
	4 2-1/2 2 layers, 3/4 in. thick 2 in. 6. FASTENERS TYPE S OR S-12 STEEL SCREWS USED TO ATTACH PANELS TO	mocl Street 11
	STUDS OR FURRING CHANNELS. SINGLE LAYER SYSTEMS: 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 8 IN. OC WHEN PANELS ARE APPLIED HORIZONTALLY, OR 8 IN. OC ALONG VERTICAL AND BOTTOM EDGES AND 12 IN. OC IN THE FIELD WHEN PANELS ARE APPLIED VERTICALLY. TWO LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC. SECOND LAYER- 1-5/8 IN.	own S 2021
SUM WALLBOARD (1) LAYER, DES. SEE FINISH SCHEDULE.	LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC WITH SCREWS OFFSET 8 IN. FROM FIRST LAYER.THREE-LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER- 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN.	Br Br
ING STRIPS AT 16" O.C.	OC. THIRD LAYER- 2-1/4 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. FOUR-LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER- 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER- 2-1/4 IN. LONG FOR 1/2 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 24 IN. OC. FOURTH LAYER- 2-5/8 IN.	Hope I 50 South roject Ne
ALL, FILL SOLID) PSI NON-SHRINK	LONG FOR 1/2 IN. THICK PANELS OR 3 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. 7. FURRING CHANNELS RESILIENT FURRING CHANNELS FABRICATED FROM MIN 25	H(550 Pro
	MSG CORROSION-PROTECTED STEEL, SPACED VERTICALLY A MAX OF 24 IN. OC. FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. LONG TYPE S-12 STEEL SCREWS.	
	8. STEEL FRAMING MEMBERS* USED TO ATTACH FURRING CHANNELS TO ONE SIDE OF STUDS ONLY. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH TWO NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREWS, ONE THROUGH THE HOLE AT EACH END OF THE CLIP. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.	Description Date
NALL		
3/4" = 1'-0"		
		PARTITION TYPES
PSUM WALLBOARD (1) LAYER, DR SIDE ONLY. SEE FINISH ULE.		DATE: 12/20/2023
RING STRIPS AT 16" O.C. ID INSULATION		DRAWN BY: CW REVISION:
WALL		SCALE As indicated
ROOFING HETIC STUCCO, PAINTED		A202
		TE OF FLOR
		STATION STATION
WALL 3/4" = 1'-0"		93669 93669
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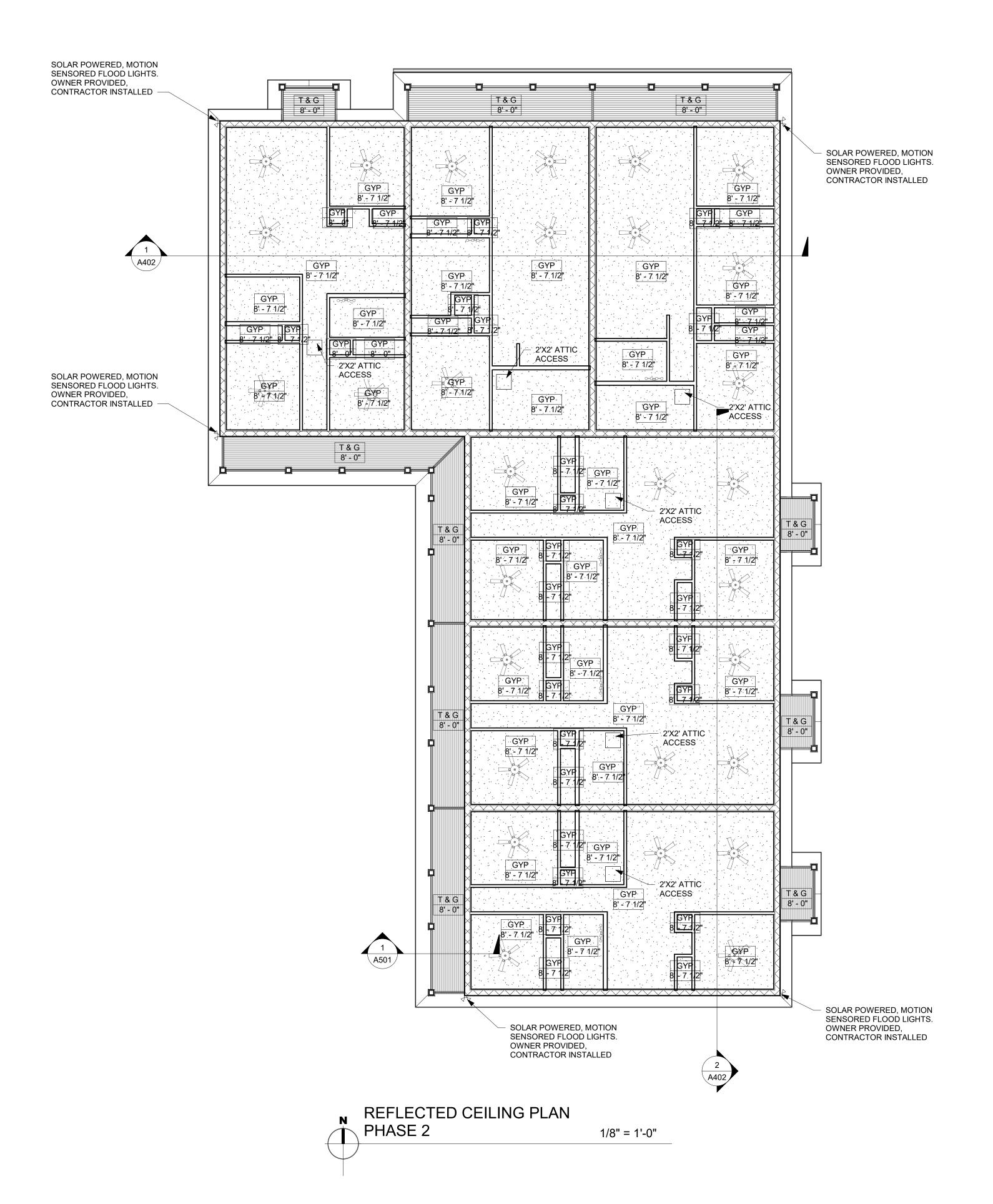




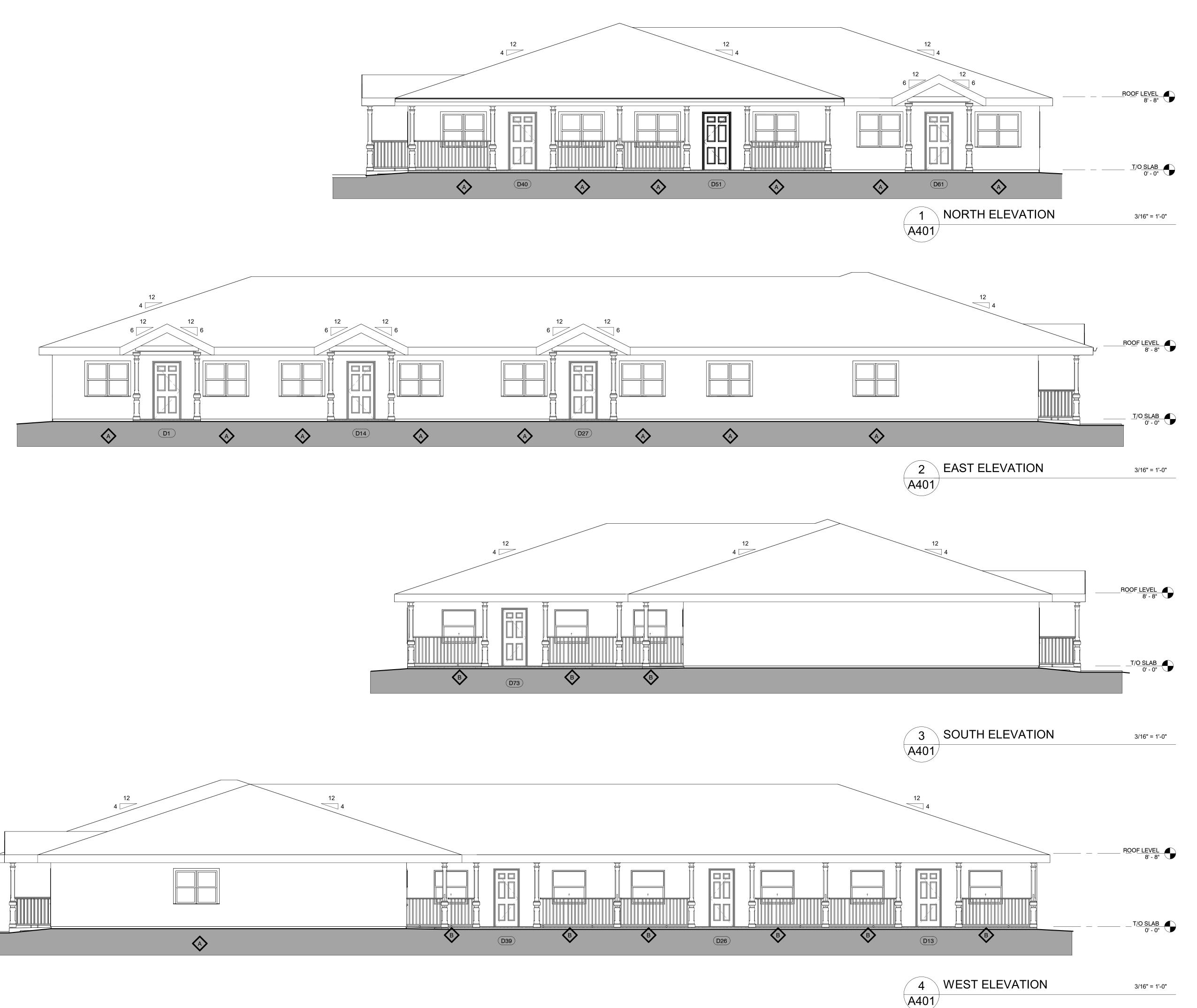


1/8" = 1'-0"



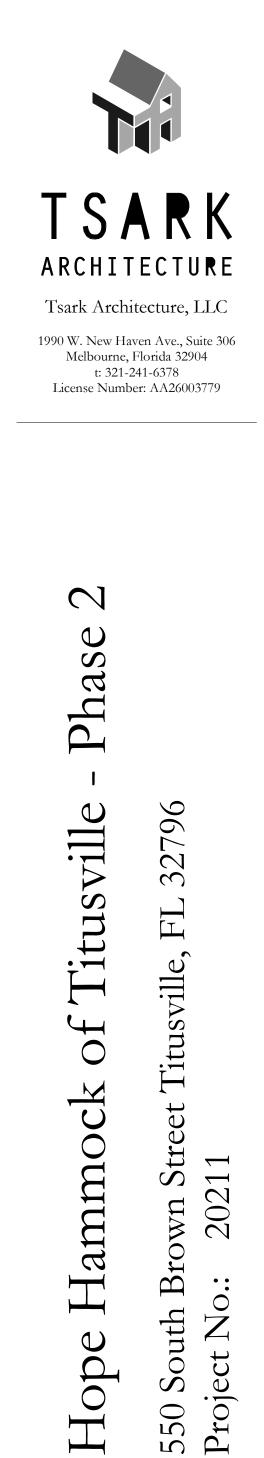


	REFLECTED CEILING PLAN NOTES	
	CEILING DETAILS DENOTE TYPICAL CONDITIONS	
	RCP LEGEND	TSARK
	GYPSUM WALLBOARD CEILING	ARCHITECTURE Tsark Architecture, LLC
SOLAR POWERED, MOTION	T & G WOOD CEILING	1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779
SENSORED FLOOD LIGHTS. OWNER PROVIDED, CONTRACTOR INSTALLED 8' - 7 1/2' B' - 7 1/2'	CEILING HEIGHT REFERENCE- SEE SCHEDULE OF FINISHES 1t CEILING TYPE 10'-0" CEILING HEIGHT	
GYP 8'-7 1/2		2
B'-7 1/2 B'-7 1/2 B'-7 1/2 B'-7 1/2		ase
<u>JL 8/- 7-1/2</u> <u>GYP</u> 8'- 7-1/2		- Phase
		ville - 32796
		Titusvil le, FL 327
T & G 8' - 0"		
GYP 8' - 7 1/2		
		mmocl wn Street 20211
GYP [] 8' - 7 · 1/2		LC B
T&G 8'-0"		No Ith No
		Hope 550 Sou Project
		Description Date
SOLAR POWERED, MOTION		REFLECTED CEILING PLAN
SENSORED FLOOD LIGHTS. OWNER PROVIDED, CONTRACTOR INSTALLED		DATE: 12/20/2023 DRAWN BY: CW
		REVISION: SCALE As indicated
		A301
		TATE OF FLORIDA GORY I. JS PROBA 93669
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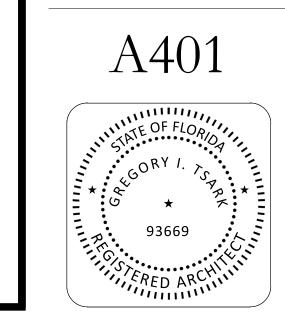


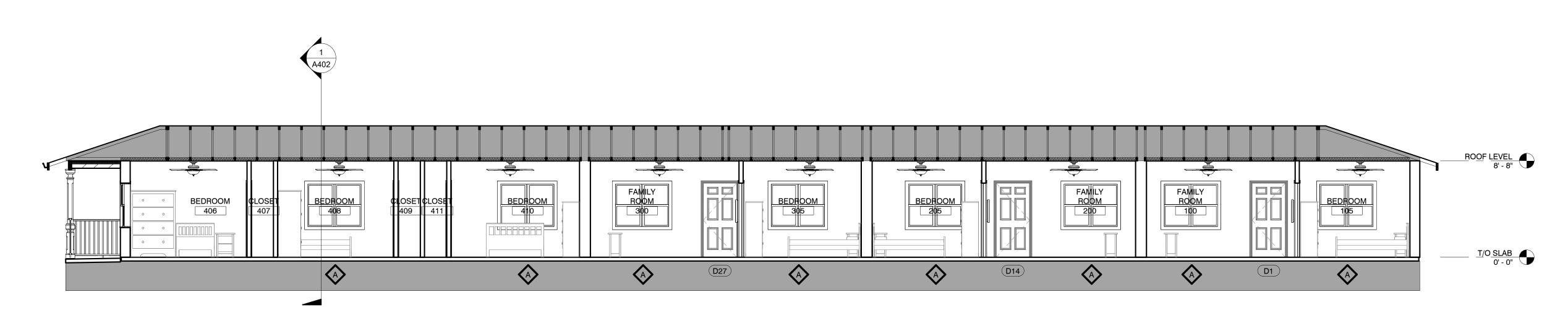
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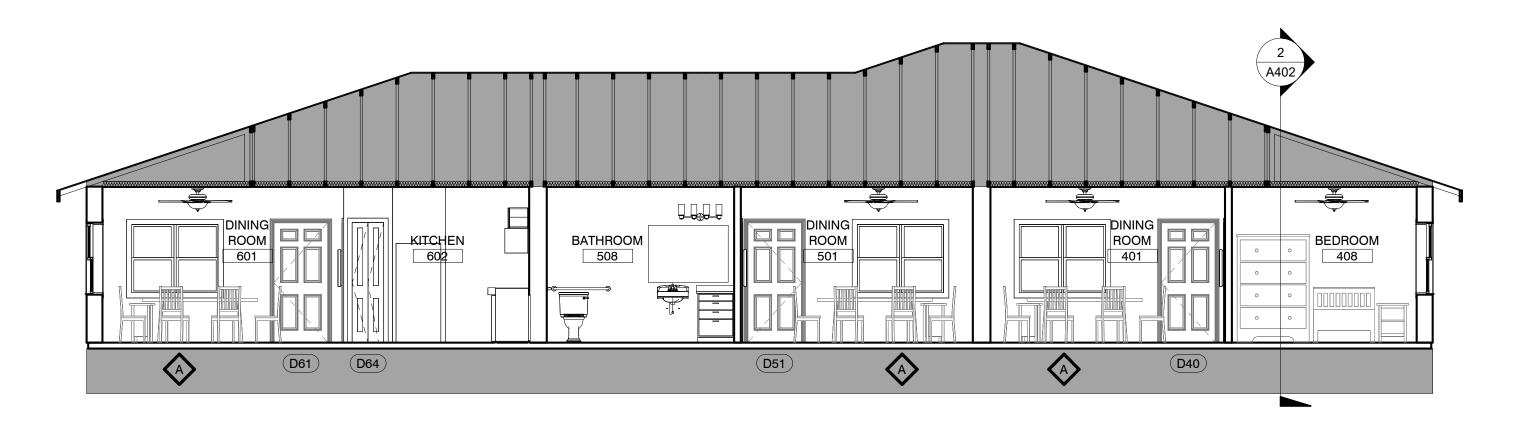
Hope

BUILDING ELEVATIONS

12/20/2023
CW
3/16" = 1'-0"











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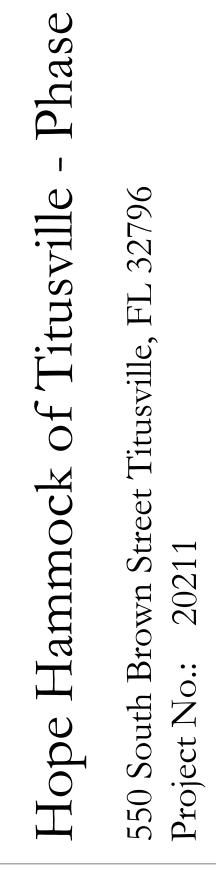
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2 BUILDING SECTION 3/16" = 1'-0" A402

BUILDING SECTION

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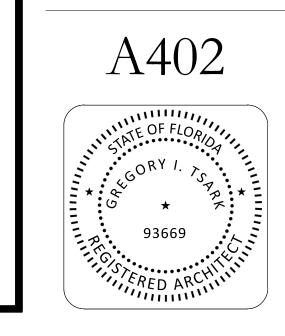
3/16" = 1'-0"

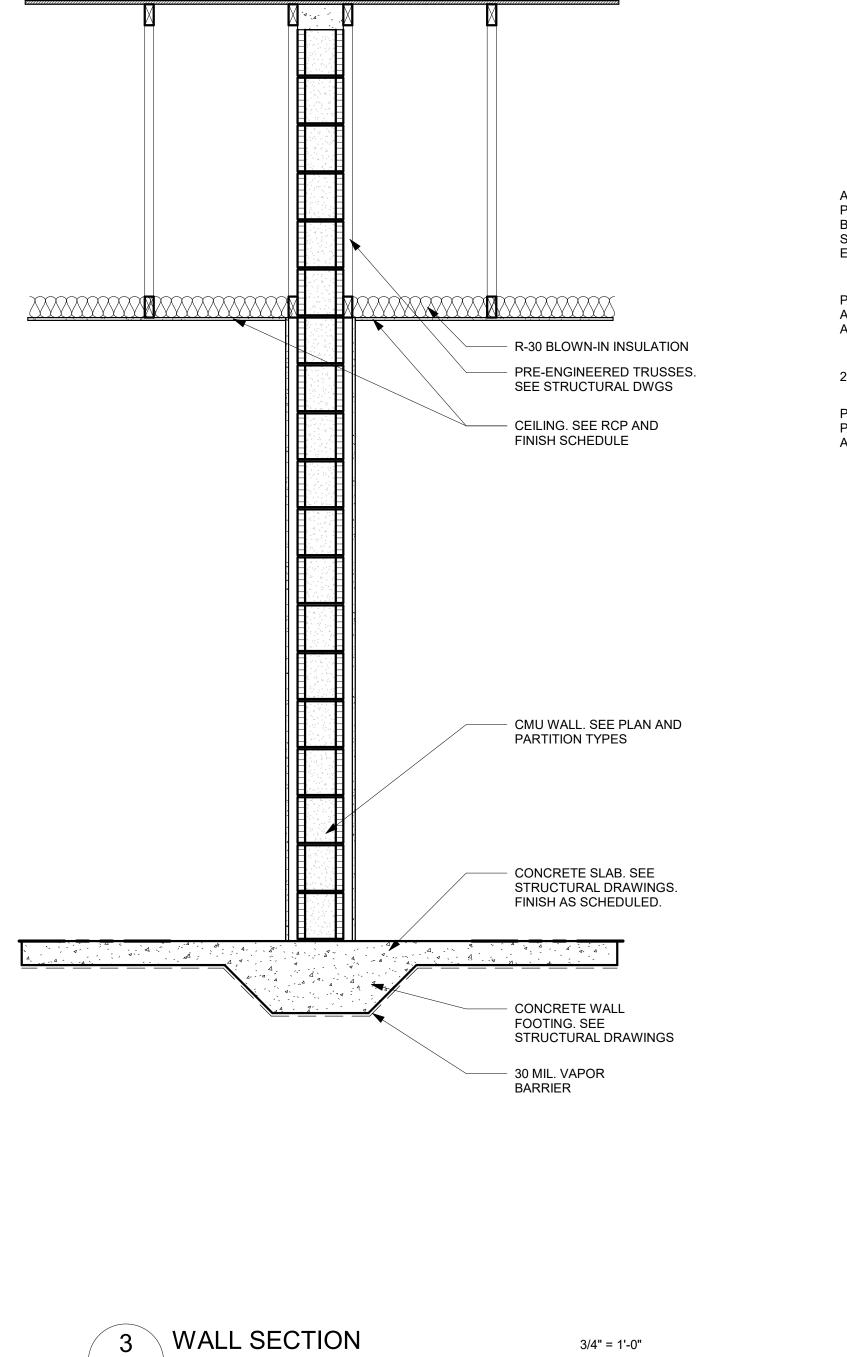


Description	Date

BUILDING SECTIONS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	3/16" = 1'-0"
CONCE	0,10 10





A501

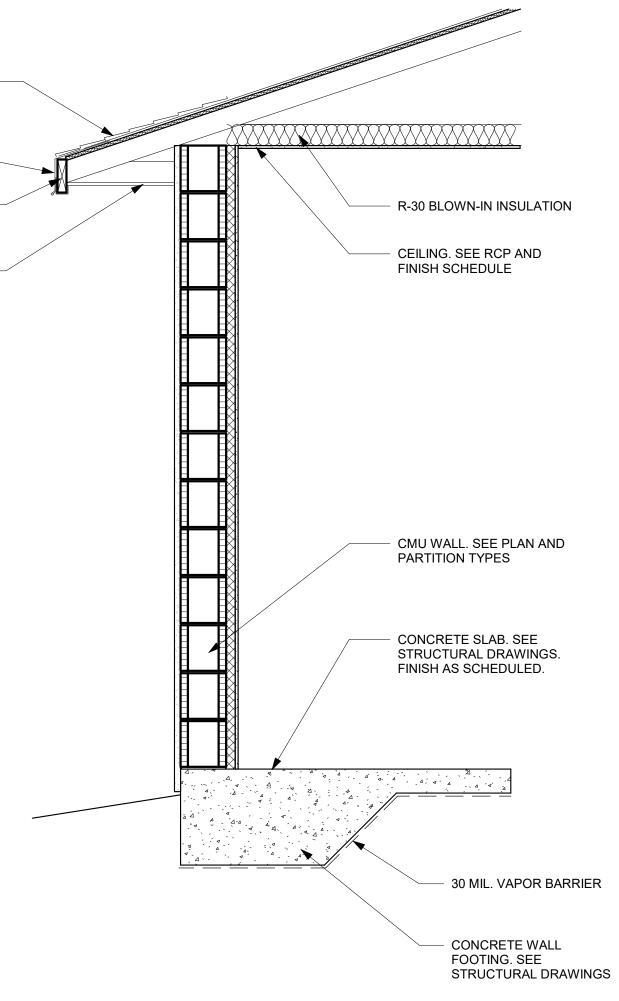
ASPHAULT SHINGLES ON PEEL-N-STICK MOISTURE BARRIER ON PLYWOOD SHEATHING ON PRE-ENGINEERED TRUSSES —

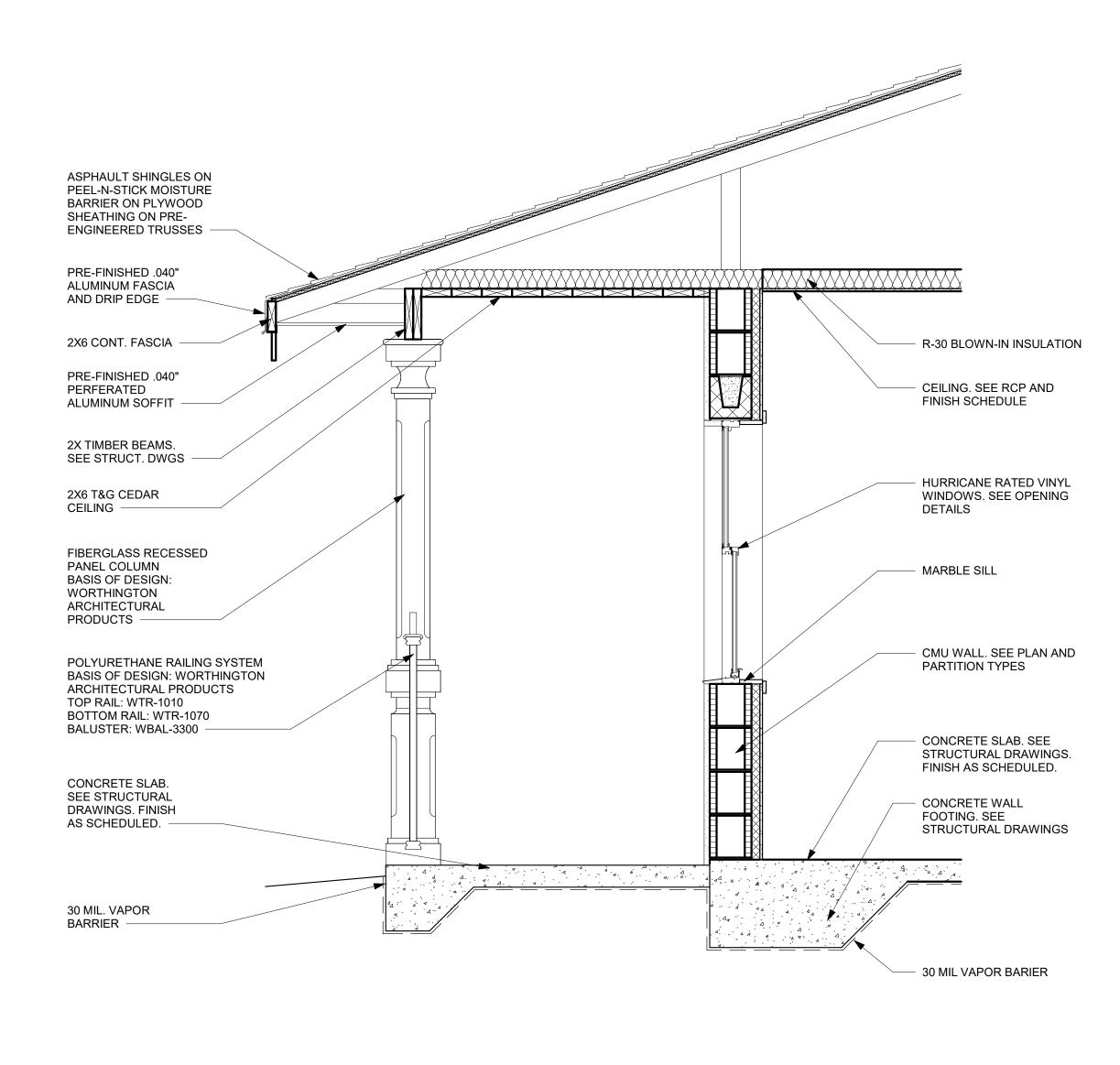
PRE-FINISHED .040" ALUMINUM FASCIA AND DRIP EDGE

2X6 CONT. FASCIA

PRE-FINISHED .040" PERFERATED ALUMINUM SOFFIT ------

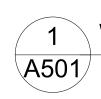








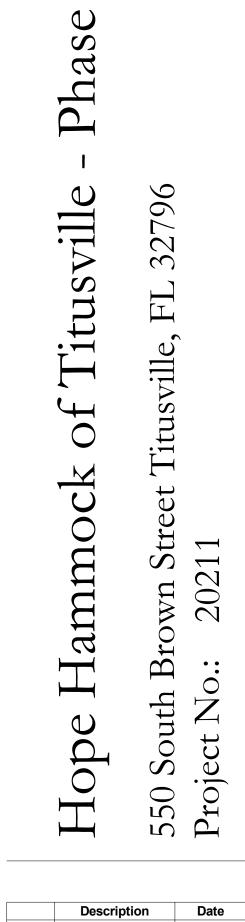
3/4" = 1'-0"





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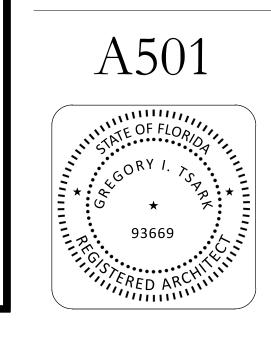
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Description	Date

SECTIONS AND DETAILS

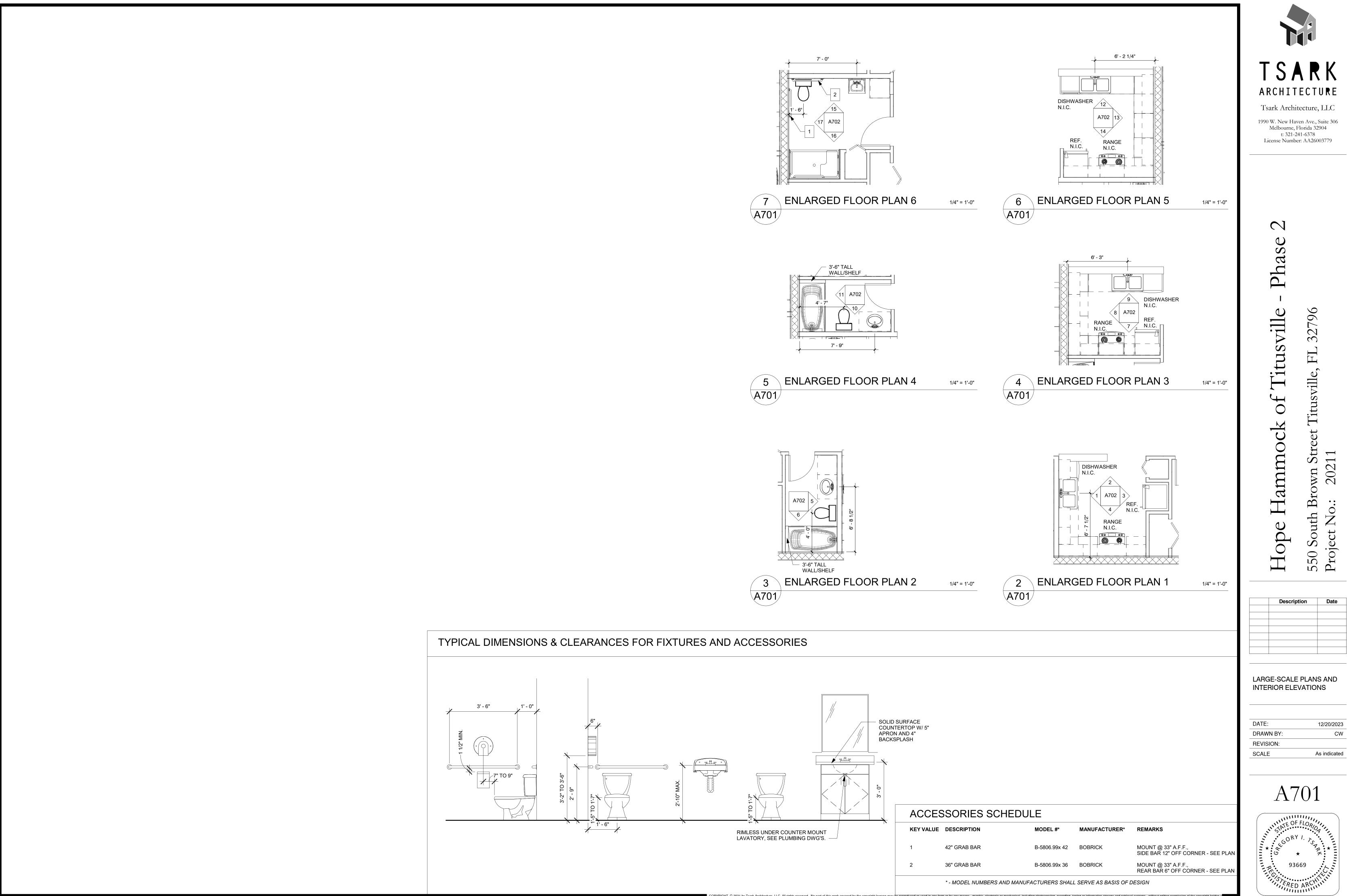
DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	3/4" = 1'-0"



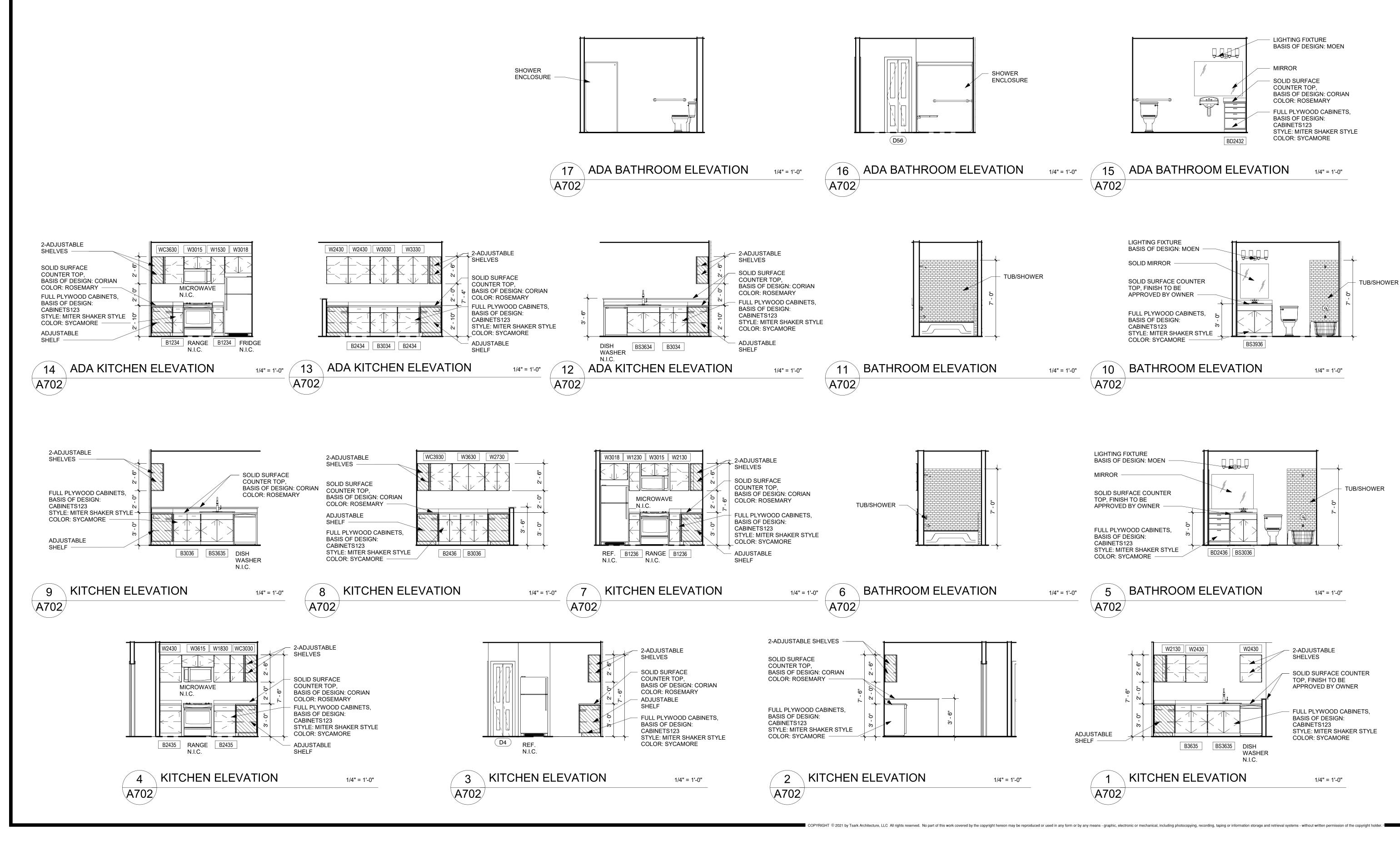
WALL SECTION

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3/4" = 1'-0"

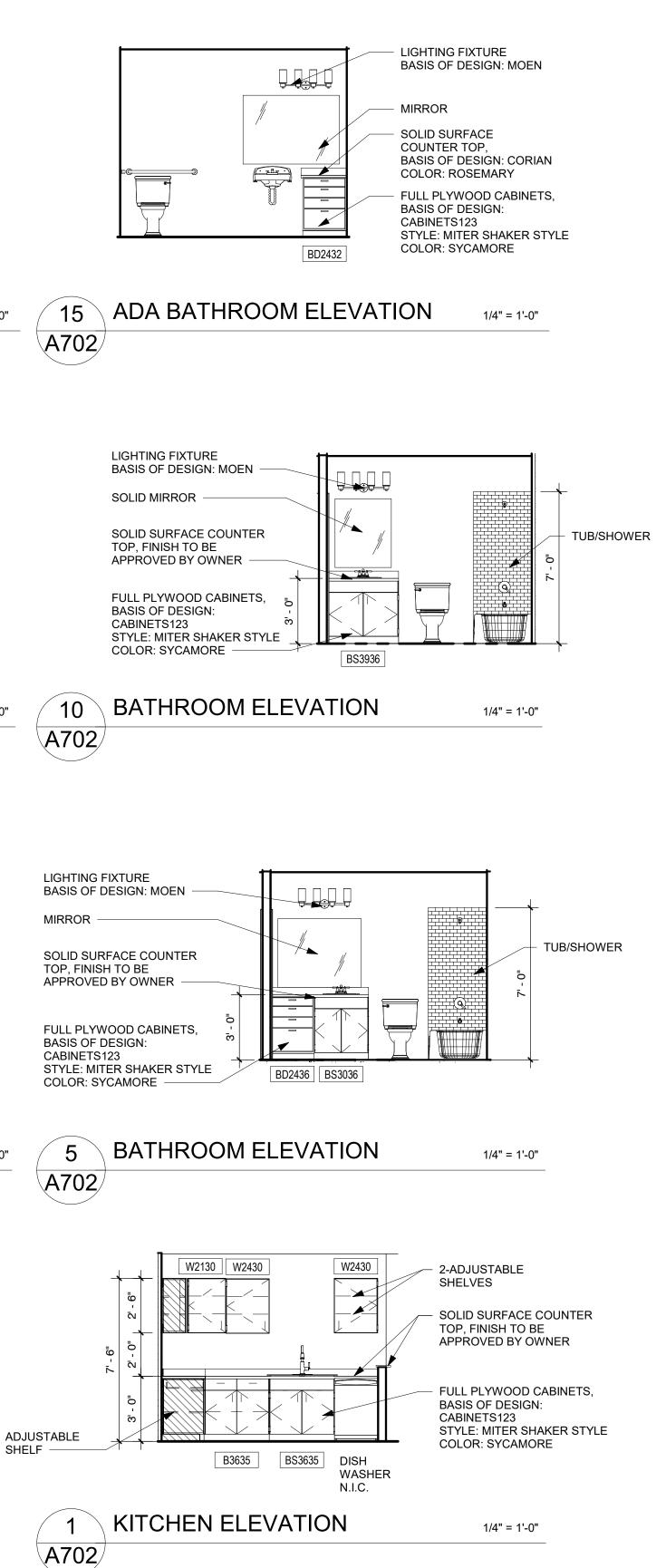


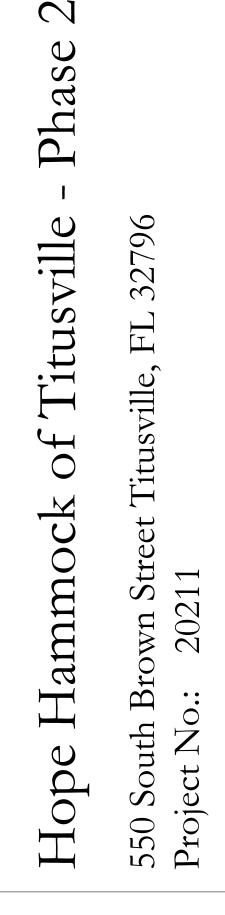
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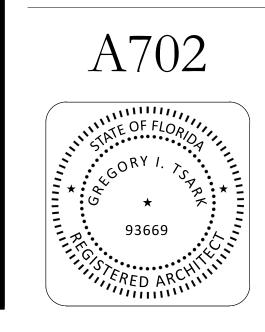


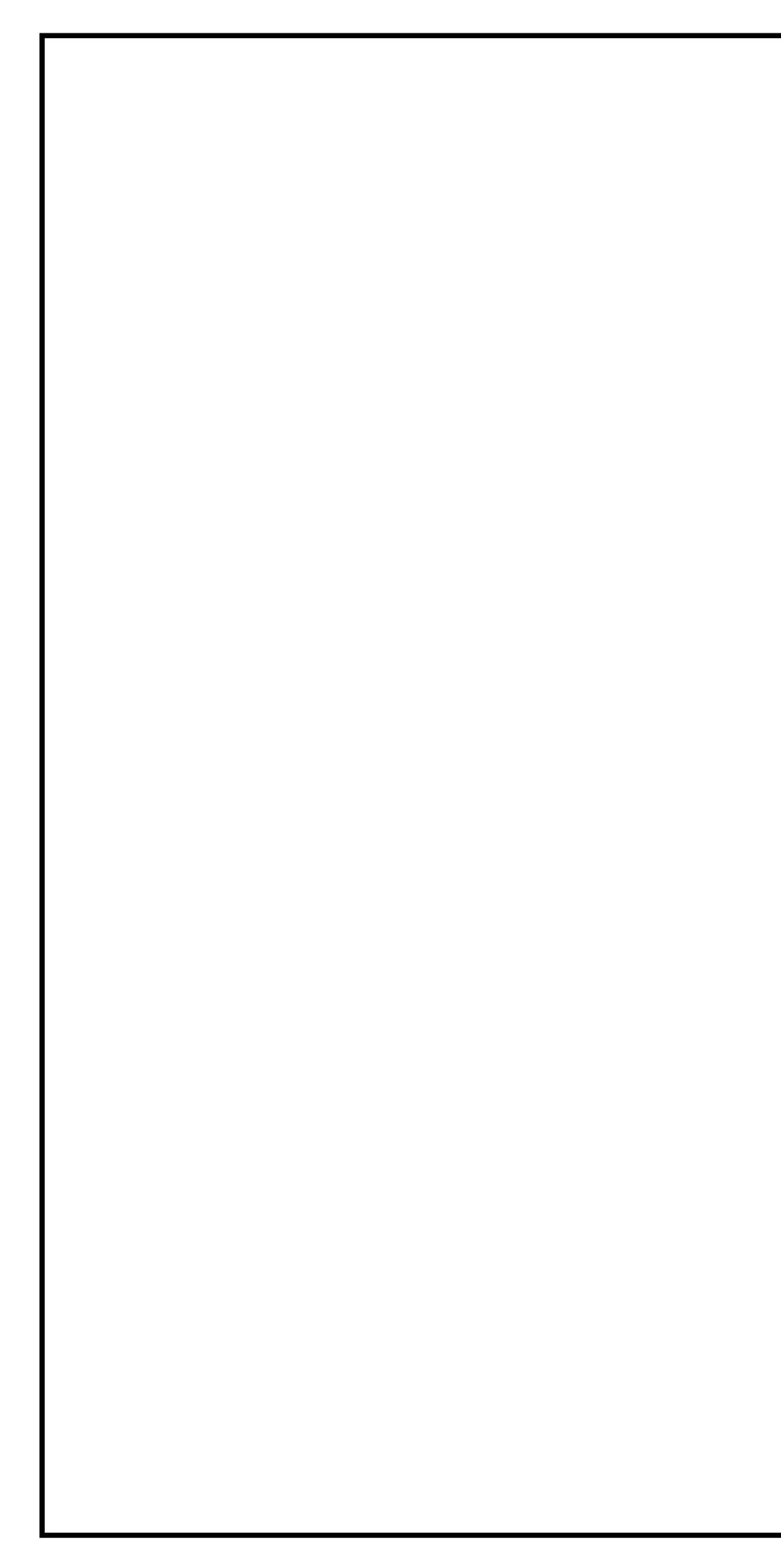


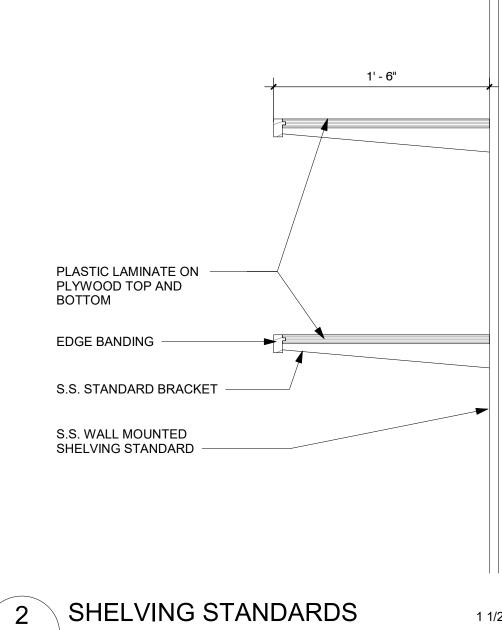
Description	Date

INTERIOR ELEVATIONS

DATE:	12/20/2023
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REVISION:	
SCALE	1/4" = 1'-0"



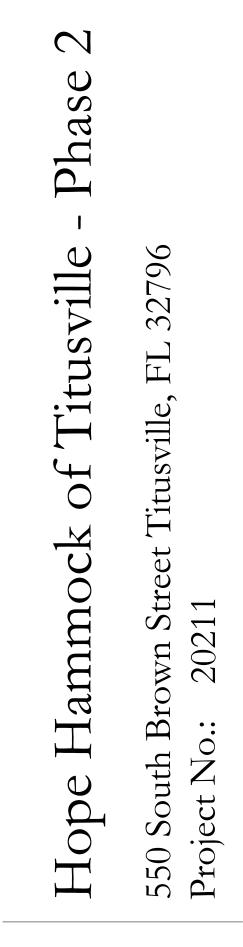




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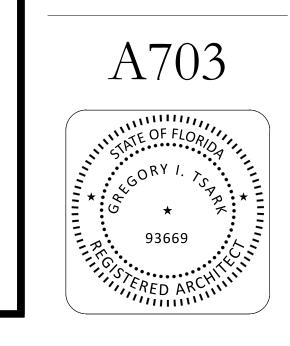
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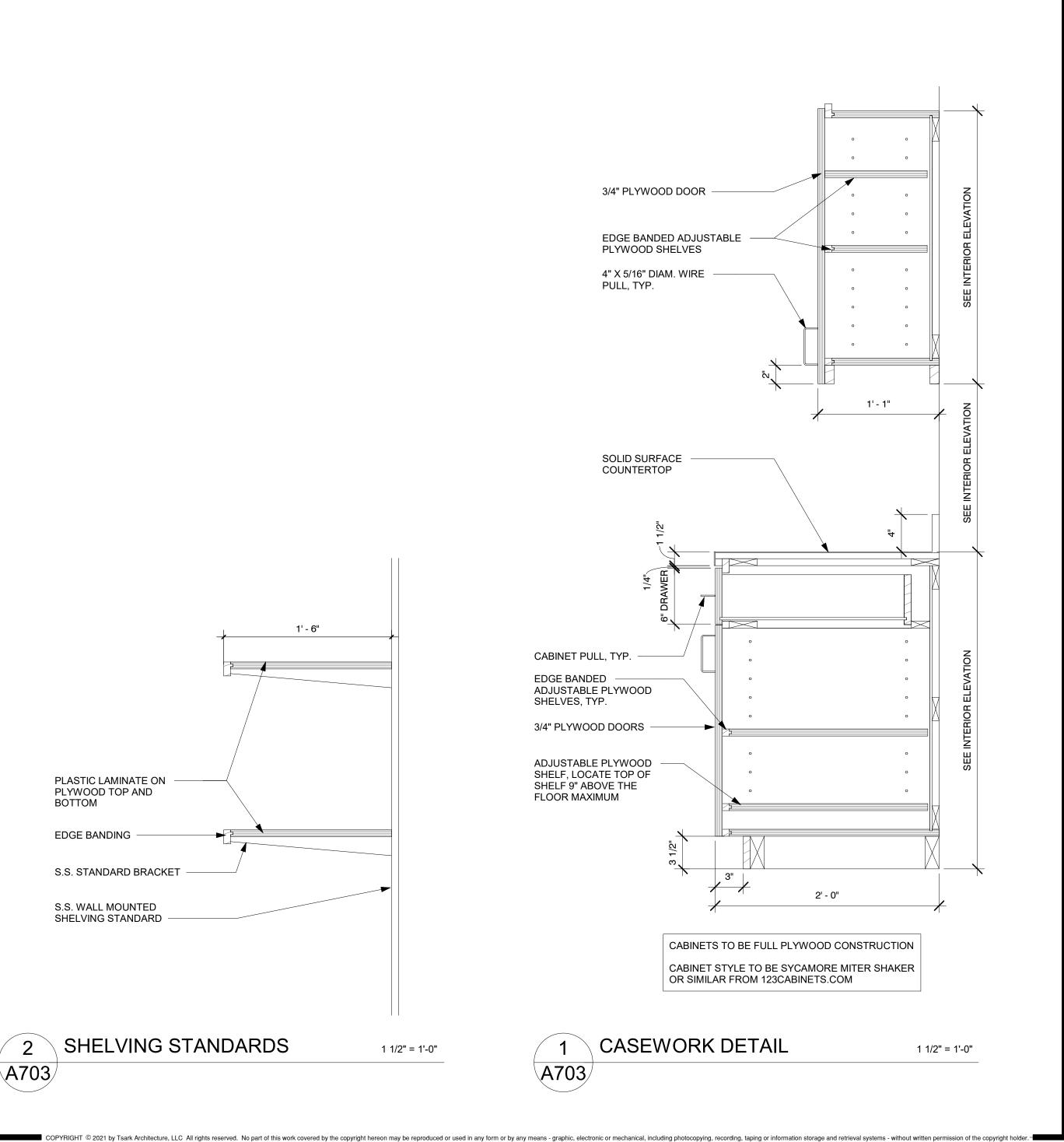


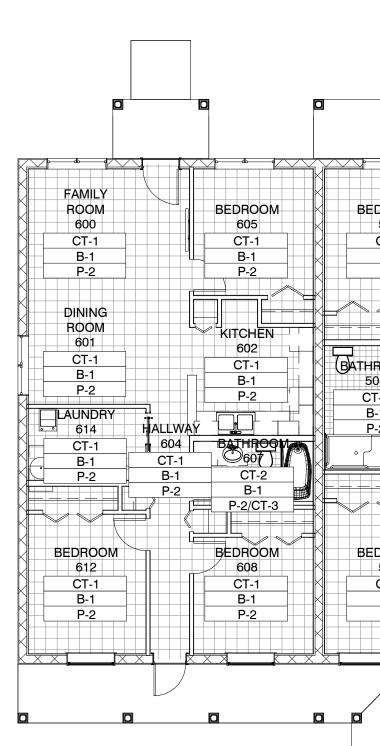
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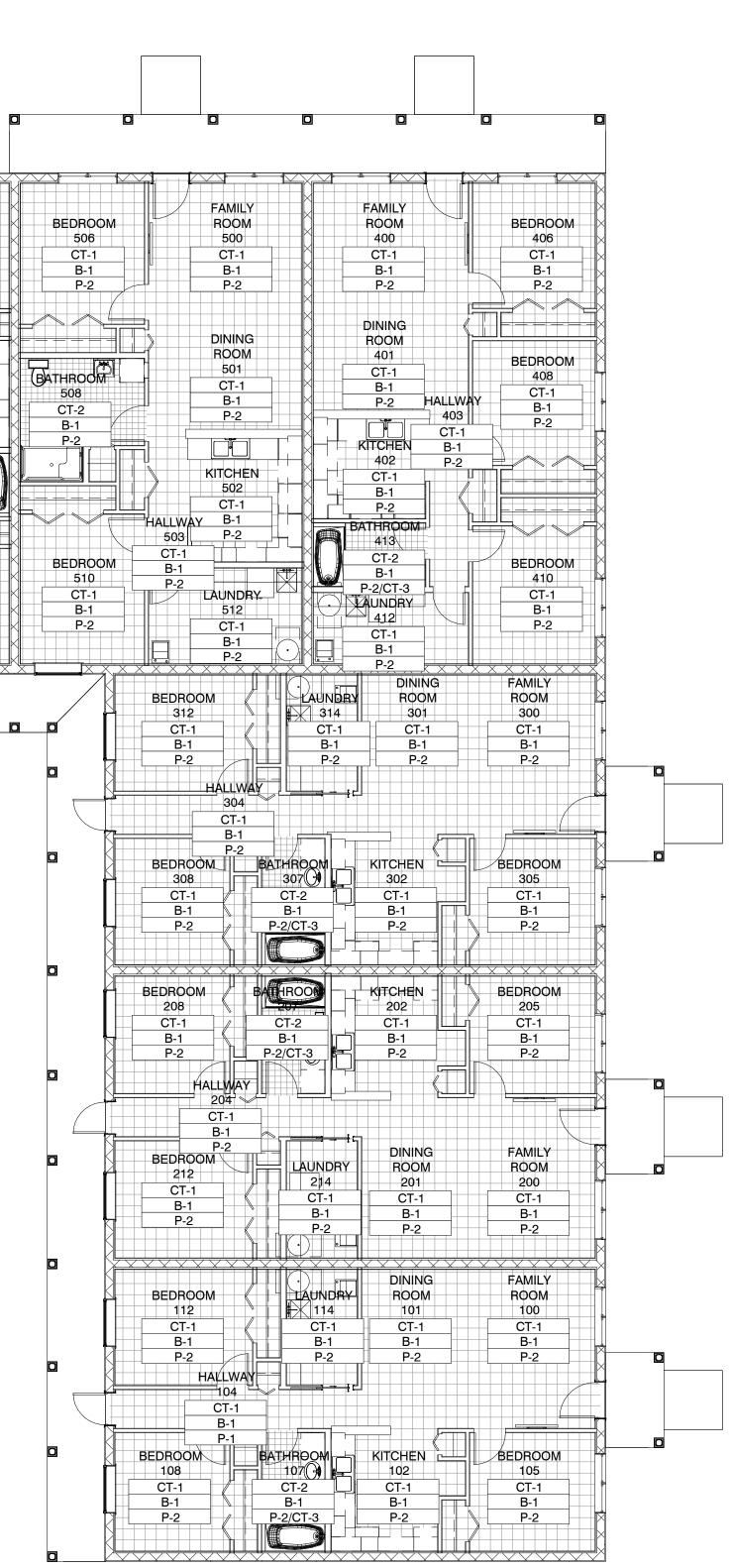
MILLWORK SECTIONS AND
DETAILS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	1 1/2" = 1'-0"









FINISH PLAN PHAS	E 2	
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	R		INISH S	SCHED	ULE	FINISH NOTES AND LEGEND
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish Comme	nts
100	FAMILY ROOM	CT-1	B-1	P-2	GWB-4	1. ALL INTERIOR FINISHES SHALL NOT EXCEED THE FLAME SPREAD AND SMOKE DEVELOPED REQUIREMENTS OF THE FLORIDA BUILDING CODE: CLASS A; FLAME SPREAD OF 76-200; SMOKE DEVELOPED 0-450
101 101	DINING ROOM DINING ROOM	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	2. ALL FLOORING MATERIALS SHALL HAVE A MANUFACTURER TESTED DCOF OF 0.42 OR
102 103	KITCHEN PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	GREATER
104	HALLWAY	CT-1	B-1	P-1	GWB-1	3. ALL FINISH SELECTIONS ARE LISTED AS A BASIS OF DESIGN. OWNER WILL APPROVE
105	BEDROOM	CT-1	B-1	P-2	GWB-4	FINAL SELECTIONS
106 107	CLOSET BATHROOM	CT-1 CT-2	B-1 B-1	P-1 P-2/CT-3	GWB-1 GWB-4	ROOM NAME ROOM FINISHES
107	BEDROOM	CT-2 CT-1	B-1	P-2	GWB-4	
109	CLOSET	CT-1	B-1	P-1	GWB-1	XX-X FLOOR FINISH XX-X BASE FINISH
110	CLOSET LINEN	CT-1 CT-1	B-1 B-1	P-1 P-1	GWB-1 GWB-1	XX-X
111 112	BEDROOM	CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	
113	CLOSET	CT-1	B-1	P-1	GWB-1	FINISH SELECTION SCHEDULE
114 200	LAUNDRY FAMILY ROOM	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	
200	DINING ROOM	CT-1	B-1	P-2	GWB-4 GWB-4	FINISHES (FLOORS)
202	KITCHEN	CT-1	B-1	P-2	GWB-4	CT-1 PORCELAIN TILE BASIS OF DESIGN: DALTILE, STRAFORD PLACE
203 204	PANTRY HALLWAY	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	SIZE: 12" X 24" COLOR: ALABASTER SANDS SD91
204	BEDROOM	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	
206	CLOSET	CT-1	B-1	P-1	GWB-1	CT-2 PORCELAIN TILE - BATHROOMS BASIS OF DESIGN: DALTILE, AVONDALE
207	BATHROOM	CT-2	B-1	P-2/CT-3	GWB-4	SIZE: 12" X 24"
208 209	BEDROOM CLOSET	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	COLOR: CHATEAU CREME AD01
210	CLOSET	CT-1	B-1	P-1	GWB-1	WALL BASES
211	LINEN	CT-1	B-1	P-1	GWB-1	B-1 #5523 PVC COMPOSITE WHITE COLONIAL BASE MOULDING BASIS OF DESIGN: ROYAL BUILDING PRODUCTS
212 213	BEDROOM CLOSET	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	SIZE: 29/64" x 3 1/4" x 8'-0"
213	LAUNDRY	CT-1	B-1	P-2	GWB-1 GWB-4	COLOR: WHITE
300	FAMILY ROOM	CT-1	B-1	P-2	GWB-4	FINISHES (CEILINGS & WALLS)
301	DINING ROOM KITCHEN	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	GWB-4 GYPSUM WALLBOARD. LEVEL 4 JOINT COMPOUND FINISH. FINAL APPEARANCE SHALL HAVE NO MARKS OR RIDGES. READY FOR PRIMING,
302 303	PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	PAINT
304	HALLWAY	CT-1	B-1	P-2	GWB-4	CT-3 PORCELAIN TILE - BATHROOM SHOWERS
305	BEDROOM	CT-1	B-1	P-2	GWB-4	BASIS OF DESIGN: DALTILE, AVONDALE
306 307	CLOSET BATHROOM	CT-1 CT-2	B-1 B-1	P-1 P-2/CT-3	GWB-1 GWB-4	SIZE: 2" X 4" COLOR: CHATEAU CREME AD01
308	BEDROOM	CT-1	B-1	P-2	GWB-4	
309	CLOSET	CT-1	B-1	P-1	GWB-1	P-1 DOORS AND DOOR TRIM
310 311	CLOSET LINEN	CT-1 CT-1	B-1 B-1	P-1 P-1	GWB-1 GWB-1	BEHR PREMIUM PLUS, SATIN ENAMEL FINISH COLOR: PURE WHITE
312	BEDROOM	CT-1	B-1	P-1 P-2	GWB-1 GWB-4	
313	CLOSET	CT-1	B-1	P-1	GWB-1	P-2 WALLS KITCHEN/BATH - BEHR PREMIUM PLUS WHITE SEMI-GLOSS ENAMEL FINISH
314		CT-1	B-1	P-2	GWB-4	OTHER ROOMS - BEHR PREMIUM PLUS WHITE SATIN ENAMEL FINISH
400 401	FAMILY ROOM DINING ROOM	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	COLOR: PURE WHITE
402	KITCHEN	CT-1	B-1	P-2	GWB-4	P-3 CEILINGS
403	HALLWAY	CT-1	B-1	P-2	GWB-4	BEHR WHITE CEILING SATIN SHEEN
404 405	PANTRY CLOSET	CT-1 CT-1	B-1 B-1	P-1 P-1	GWB-1 GWB-1	COLOR: WHITE
406	BEDROOM	CT-1	B-1	P-2	GWB-4	P-4 EXTERIOR WALLS - MAIN COLOR
407	CLOSET	CT-1	B-1	P-1	GWB-1	VALSPAR DURAMAX EXTERIOR PAINT COLOR: PEACEFUL CALM #3005-2C
408 409	BEDROOM CLOSET	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	
409	BEDROOM	CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	P-5 EXTERIOR WALLS - TRIM VALSPAR DURAMAX EXTERIOR PAINT
411	CLOSET	CT-1	B-1	P-1	GWB-1	COLOR: WHITE
412 413	LAUNDRY BATHROOM	CT-1 CT-2	B-1 B-1	P-2 P-2/CT-3	GWB-4 GWB-4	PS PAINTED STRUCTURE
413 500	FAMILY ROOM	CT-2 CT-1	B-1 B-1	P-2/CT-3 P-2	GWB-4 GWB-4	GYPSUM WALLBOARD TYPE PRODUCT; PAINT ALL EXPOSED SURFACES,
501	DINING ROOM	CT-1	B-1	P-2	GWB-4	CONDUIT, DUCTWORK, ETC.
502	KITCHEN	CT-1	B-1 B-1	P-2	GWB-4	
503 504	HALLWAY PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	FINISH LEGEND
505	CLOSET	CT-1	B-1	P-1	GWB-1	
506	BEDROOM	CT-1	B-1	P-2	GWB-4	
507 508	CLOSET BATHROOM	CT-1 CT-2	B-1 B-1	P-1 P-2	GWB-1 GWB-4	CT-1
509	LINEN	CT-1	B-1	P-1	GWB-1	
510	BEDROOM	CT-1	B-1	P-2	GWB-4	CT-2
511 512	CLOSET LAUNDRY	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	
600	FAMILY ROOM	CT-1	B-1	P-2	GWB-4 GWB-4	
601	DINING ROOM	CT-1	B-1	P-2	GWB-4	
602 603	KITCHEN PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	———————————————————————————————————————
603 604	HALLWAY	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	——
605	BEDROOM	CT-1	B-1	P-2	GWB-4	
606	CLOSET	CT-1	B-1	P-1	GWB-1	
607 608	BATHROOM BEDROOM	CT-2 CT-1	B-1 B-1	P-2/CT-3 P-2	GWB-4 GWB-4	——
609	CLOSET	CT-1	B-1	P-1	GWB-1	
610	CLOSET	CT-1	B-1	P-1	GWB-1	
611 612	PANTRY BEDROOM	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	—
613	CLOSET	CT-1	B-1 B-1	P-1	GWB-1	
	LAUNDRY	CT-1	B-1	P-2	GWB-4	

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1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

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550 South Brown Street Project No.: 20211

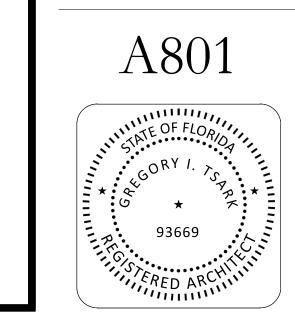
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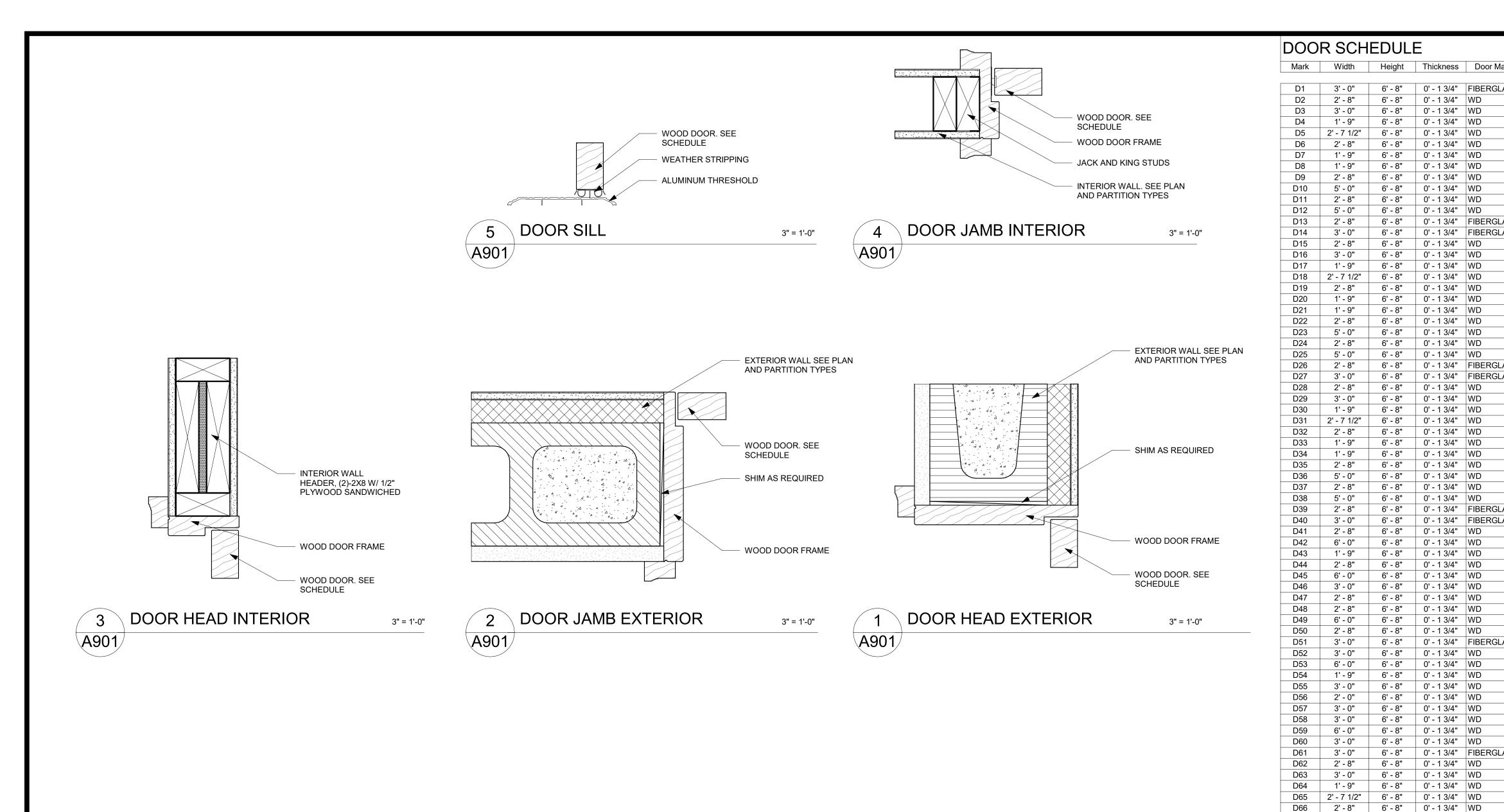
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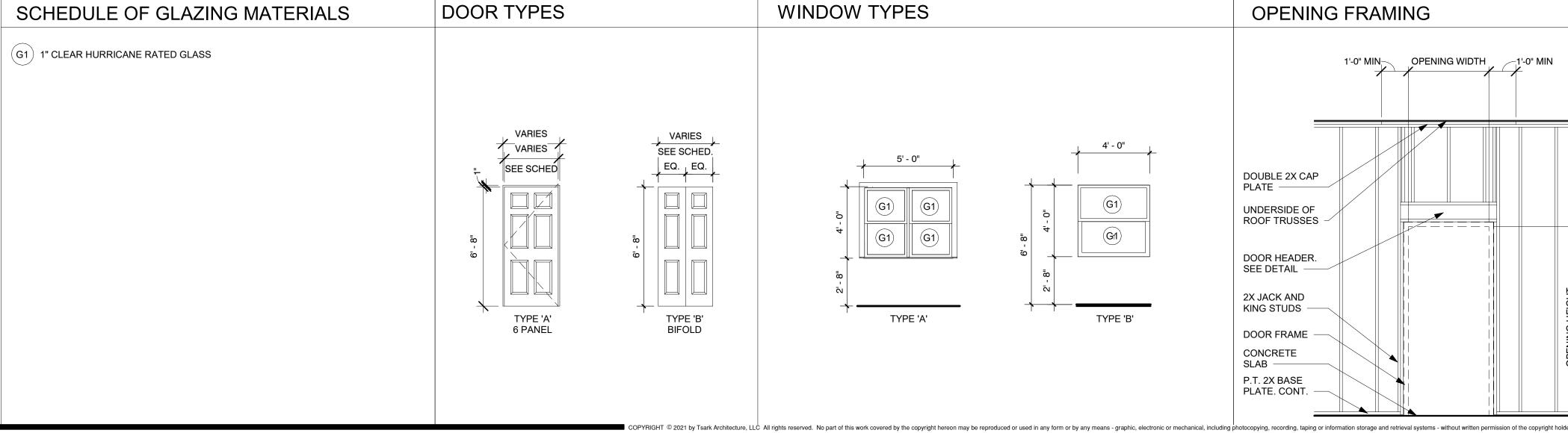
FINISH PLAN

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	1/8" = 1'-0"





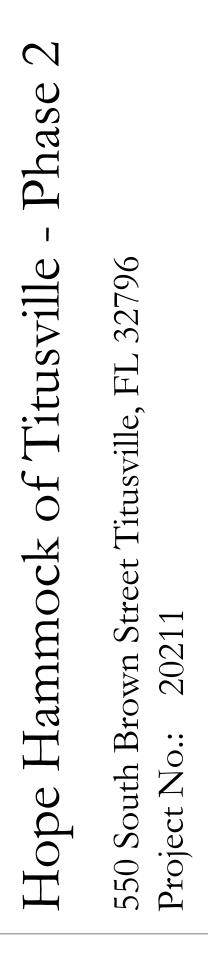
SCHEDULE OF G
G1 1" CLEAR HURRICANE RATE



DOO	R SCH	EDULI	E								
Mark	Width	Height	Thickness	Door Material	Door Finish	Door Type	Frame Material	Finish	Fire Rating	Hardware Set	Comments
D1	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D2	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D3	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D4	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D5 D6	2' - 7 1/2" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A A	 WD	PAINT PAINT			POCKET DOOR PRE-HUNG DOOR
D0	2 - 8 1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D8	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D9	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D10	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D11	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D12	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D13 D14	2' - 8" 3' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	FIBERGLASS FIBERGLASS	PAINT PAINT	A A	WD WD	PAINT PAINT			PRE-HUNG DOOR PRE-HUNG DOOR
D14	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D16	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D17	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D18	2' - 7 1/2"	6' - 8"	0' - 1 3/4"	WD	PAINT	A		PAINT			POCKET DOOR
D19	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D20	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D21	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D22 D23	2' - 8" 5' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A B	WD	PAINT PAINT			PRE-HUNG DOOR BI-FOLD DOOR
D23	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D25	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D26	2' - 8"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D27	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D28	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D29	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D30 D31	1' - 9" 2' - 7 1/2"	6' - 8" 6' - 8"	0' - 1 3/4"	WD WD	PAINT PAINT	B		PAINT PAINT			BI-FOLD DOOR POCKET DOOR
D31 D32	2 - 7 1/2 2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A A	 WD	PAINT			POCKET DOOR PRE-HUNG DOOR
D33	2 - 0 1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D34	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D35	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D36	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D37	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D38 D39	5' - 0" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD FIBERGLASS	PAINT PAINT	B	 WD	PAINT PAINT			BI-FOLD DOOR PRE-HUNG DOOR
D39 D40	2 - 8 3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A A	WD	PAINT			PRE-HUNG DOOR
D40	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D42	6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D43	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D44	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D45	6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D46	3' - 0" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4"	WD		B	 WD	PAINT PAINT			BI-FOLD DOOR PRE-HUNG DOOR
D47 D48	2 - 8 2' - 8"	6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A A	WD	PAINT			PRE-HUNG DOOR
D40	2 - 0 6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D50	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D51	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D52	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D53	6' - 0"	6' - 8"	0' - 1 3/4"	WD		В		PAINT			BI-FOLD DOOR
D54	1' - 9" 3' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD		B	 WD				
D55 D56	3' - 0" 2' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A B	WD 	PAINT PAINT			PRE-HUNG DOOR BI-FOLD DOOR
D50	2 - 0 3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT		<u> </u>	BI-FOLD DOOR
D58	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D59	6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D60	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D61	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D62	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D63	3' - 0"	6' - 8"	0' - 1 3/4"	WD		B					BI-FOLD DOOR
D64 D65	1' - 9" 2' - 7 1/2"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	B A		PAINT PAINT			BI-FOLD DOOR POCKET DOOR
D65	2 - 7 1/2 2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			POCKET DOOR PRE-HUNG DOOR
D67	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D68	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D69	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D70	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D71	2' - 8"	6' - 8"	0' - 1 3/4"	WD		A	WD				PRE-HUNG DOOR
D72 D73	5' - 0" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD FIBERGLASS	PAINT PAINT	B	 WD	PAINT PAINT			BI-FOLD DOOR PRE-HUNG DOOR
013	2 - Ö	0-0	0 - 1 3/4	I IDERGLASS	FAINT	A	٧٧D	FAINT			



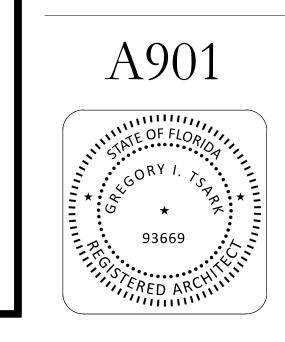
Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

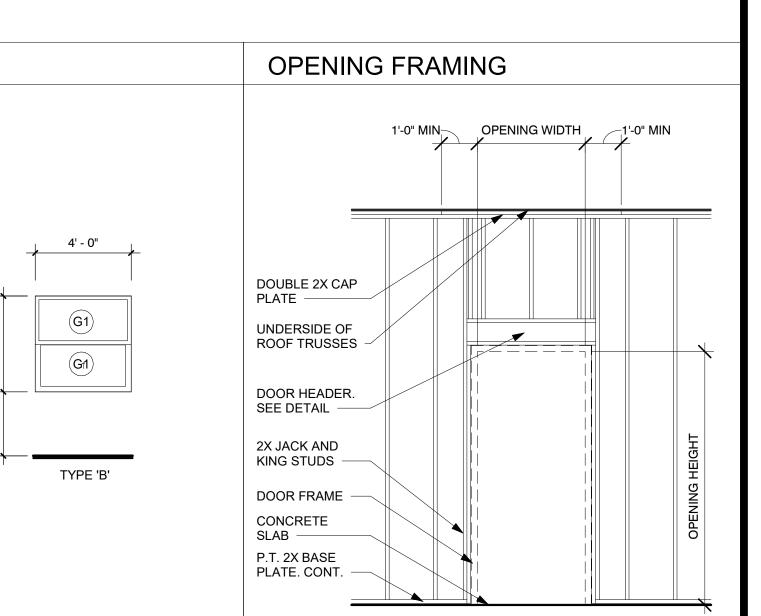


Description	Date				

SCHEDULE OF OPENINGS, OPENING TYPES, FRAME TYPES

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	As indicated





Opening List		h. Mounting locations for hard i. Door and frame sizes and r	
	<u>me Type</u> WD WD	j. Name and phone number for product.	or local manufacturer's representative fo
203 U-7 WD 204 U-7 WD	ND ND ND	switches, magnetic holders or	lectric strikes, automatic operators, doo closer/holder units, and access control cription should include how door will ope
206 U-4 WD 207 U-7 WD	ND ND ND		moke alarm connection. ubmit door hardware schedule concurre ta, Samples, and Shop Drawings. Coor
209 U-3 WD 210 U-8 WD	WD WD WD	submission of door hardwa	re schedule with scheduling requirement cation of other work that is critical in Pro
212 U-8 WD 213 U-2 FG	WD WD WD		rovide keying schedule listing levels of em's function, key symbols used and do
215 U-3 WD 216 U-7 WD	WD WD WD	numbers controlled. b. Use ANSI/BHMA A156.28	Recommended Practices for Keying Sy definitions, and approach for selecting of
218 U-6 WD 219 U-4 WD	ND ND ND ND	keying system. c. Provide 3 copies of keying	schedule for review prepared and detail HI publication. Include schematic keying
221 U-7 WD 222 U-3 WD	ND ND ND ND	and index each key to unique of d. Index keying schedule by d	
224 U-3 WD 225 U-8 WD	WD WD WD	e. Provide one complete bittin illustrating system usage and e	g list of key cuts and one key system so
227 U-1 FG 228 U-3 WD	WD WD WD	by means as directed by O	wner. under supervision of supplier, detailing
230 U-7 WD 231 U-6 WD	WD WD WD	doors, frames and other work spe installation.	l of hardware schedule, provide templat cified to be factory prepared for door ha
233 U-7 WD 234 U-7 WD	WD WD WD	C. Informational Submittals: 1. Qualification Data: For Supplic Consultant.	er, Installer and Architectural Hardware
236 U-8 WD 237 U-3 WD	WD WD WD	 Certify that door hardware a 	ied door hardware, signed by manufactu approved for use on types and sizes of I listed fire-rated door assemblies.
239 U-2 FG 240 U-1 FG	WD WD WD	 Certificates of Compliance: a. Certificates of compliance f if requested by Architect or Au 	or fire-rated hardware and installation in thority Having Jurisdiction.
242 U-8 WD 243 U-7 WD	WD WD WD		Certification: Letter of compliance, signe etion of installer training meeting specifie cle, herein.
245 U-8 WD 246 U-7 WD	WD WD WD	compliance, signed by Contrac	ination Conference Certification: Letter ctor, attesting to completion of electrified ence, specified in "QUALITY ASSURANC
248 U-3 WD 249 U-8 WD	ND ND ND	on evaluation of comprehensive t	npliance with accessibility requirements ests performed by manufacturer and wit
251 U-1 FG 252 U-3 WD	ND ND ND	routes. 3. Warranty: Special warranty sp	or hardware on doors located in access pecified in this Section.
254 U-7 WD 255 U-4 WD	ND ND ND	include:	Data: Provide in accordance with Division
257 U-7 WD 258 U-3 WD	ND ND ND	and replacement parts, and in b. Catalog pages for each pro	
261 U-1 FG	ND ND ND	manufacturer. d. Parts list for each product.	number of local representatives for eac
264 U-7 WD	ND ND ND	f. Final keying scheduleg. Copies of floor plans with k	
267 U-7 WD	ND ND ND	voltage and 110 volts. i. Copy of warranties includin	s for each opening connected to power, g appropriate reference numbers for
270 U-8 WD 271 U-3 WD	ND ND ND	manufacturers to identify proje 1.2QUALITY ASSURANCE A. Product Substitutions: Comply with p	
273 U-2 FG	ND ND	Substitute," including make or mo	product is named and accompanied by del number or other designation, provide have been selected for their unique
SECTION 08 7100 - DOOR HARDWARE PART 1 -GENERAL 1.1RELATED DOCUMENTS		characteristics and particular proj a. Where no additional produc	
A. Drawings and general provisions of the Contr Supplementary Conditions and Division 01 Spec 1.2SUMMARY		B. Supplier Qualifications and Responsi supplier with record of successful in-ser similar in quantity, type, and quality to th	bilities: Recognized architectural hardwa vice performance for supplying door har
A. Section includes: 1. Mechanical and electrified door hardwa a. Swinging doors. B. Related Sections:	re for:	certified Architectural Hardware Consult Contractor, at reasonable times during t 1. Warehousing Facilities: In Pro	ant (AHC) available to Owner, Architect he Work for consultation.
1. Division 01 Section "Alternates" for alter 2. Division 07 Section "Joint Sealants" for threshold installation specified in this section	sealant requirements applicable to	schedules.	eparation of door hardware and keying reparation of data for electrified door har
 Division 09 sections for touchup finishi modified by this section. 1.3REFERENCES 		manufacturer's standard units in a Project.	on testing and engineering analysis of assemblies similar to those indicated for
 A. UL - Underwriters Laboratories 1. UL 10B - Fire Test of Door Assemblies 2. UL 10C - Positive Pressure Test of Fire 	Door Assemblies	hardware with Architect and elect technical data to Architect and oth	
3. UL 1784 - Air Leakage Tests of Door A 4. UL 305 - Panic Hardware B. DHI - Door and Hardware Institute		verify that all components are C. Installer Qualifications: Qualified trad	esmen, skilled in application of commer
 Sequence and Format for the Hardwar Recommended Locations for Builders Key Systems and Nomenclature 		hardware with record of successful in-se similar in quantity, type, and quality to th D. Architectural Hardware Consultant Q	at indicated for this Project. ualifications: Person who is experience
C. ANSI - American National Standards Institute 1. ANSI/BHMA A156.1 - A156.29, and AN Hardware and Specialties.	ISI/BHMA A156.31 - Standards for	providing consulting services for door ha material, design, and extent to that indic requirements:	ated for this Project and meets these
D. Florida Building Codes. 1.4SUBMITTALS A. General:		Can provide installation and te subcontractors.	ed, Architectural Hardware Consultant (chnical data to Architect and other relate
 Submit in accordance with Conditions or requirements. Highlight, encircle, or otherwise specification 		installation. 4. Capable of producing wiring di	
from Contract Documents, issues of incon detrimentally affect the Work. 3. Prior to forwarding submittal, comply w	ith procedures for verifying existing door	electrical engineers. E. Single Source Responsibility: Obtair manufacturer.	ation of electrified hardware with Archite n each type of door hardware from single
and frame compatibility for new hardware, "EXAMINATION" article, herein. B. Action Submittals:		 Provide electrified door hardwate hardware, unless otherwise indicate 	are from same manufacturer as mechar ated. ectrical modifications and that are listed
 Product Data: Product data including r each item of door hardware, installation in parts and finish, and other information nec 	structions, maintenance of operating		e to authorities having jurisdiction are ac n Components testing: Listed and labele
requirements. 2. Riser and Wiring Diagrams: After final details of electrified door hardware, indica	ing:	according to ANSI A250.13. Further con Openings. G. Fire-Rated Door Openings: Provide	npliance with Florida Building Codes for
 a. Wiring Diagrams: For power, signa 1) Details of interface of electrified security systems. 2) Schematic diagram of systems t 	door hardware and building safety and	complies with NFPA 80 and requiremen items of door hardware that are listed ar Underwriters Laboratories, Intertek Test	ts of authorities having jurisdiction. Prov nd are identical to products tested by
 ardware. 3) Point-to-point wiring. 4) Risers. 		organizations acceptable to authorities h doors indicated, based on testing at pos UL 10C and in compliance with requiren	naving jurisdiction for use on types and s itive pressure and according to NFPA 2
 Samples for Verification: If requested l sample installations of each type of expos tagged with full description for coordination 	ed hardware unit in finish indicated, and	H. Smoke- and Draft-Control Door Asse assemblies are required, provide door h tested according to UL 1784 and installe	ardware that meets requirements of ass ed in compliance with NFPA 105.
a. Samples will be returned to supplier	in like-new condition. Units that are check of operations, be incorporated into	 Air Leakage Rate: Maximum a differential of 0.3-inch wg of water I. Electrified Door Hardware: Listed an 	air leakage of 0.3 cfm/sq. ft. at tested pro .d labeled as defined in NFPA 70, Article
4. Door Hardware Schedule: Submit sch format as illustrated by Sequence of Form published by the Door and Hardware Instit	edule with hardware sets in vertical at for the Hardware Schedule as	testing agency acceptable to authorities J. Means of Egress Doors: Latches do Locks do not require use of key, tool, or	not require more than 15 lbf to release special knowledge for operation.
each item required for each door or opening			<pre>ilations cited in "REFERENCES" article, do not require tight grasping, pinching,</pre>
b. Opening Lock Function Spreadshee each opening. c. Type, style, function, size, and finisl	-		rements: nged Doors: 5 lbf applied perpendicular
 d. Name and manufacturer of each ite e. Fastenings and other pertinent infor 	m.	c. Fire Doors: Minimum open jurisdiction.	Ibf applied parallel to door at latch. ing force allowable by authorities having
	nbols, and codes contained in schedule.	3. Bevel raised thresholds with sl more than 1/2 inch high.	ope of not more than 1:2. Provide thres

cturer's representative for each

- ny electrified hardware (locks, utomatic operators, door position nits, and access control
- nclude how door will operate on nection. ware schedule concurrent with
- nd Shop Drawings. Coordinate h scheduling requirements of work that is critical in Project
- chedule listing levels of keying as key symbols used and door
- Practices for Keying Systems" approach for selecting optimal
- view prepared and detailed in Include schematic keying diagram
- yset, hardware heading number, npina instructions. s and one key system schematic
- stem schematic directly to Owner,
- sion of supplier, detailing Owner's
- hedule, provide templates for tory prepared for door hardware
- Architectural Hardware
- are, signed by manufacturer: e on types and sizes of labeled door assemblies.
- dware and installation instructions lurisdiction. tter of compliance, signed by training meeting specified in
- nce Certification: Letter of completion of electrified n "QUALITY ASSURANCE"
- ccessibility requirements, based by manufacturer and witnessed doors located in accessible
- ection.
- n accordance with Division 01 and ce. and adjustment; data on repair
- I representatives for each
- to reflect conditions as installed.
- ing connected to power, both low eference numbers for
- ents stated in Division 01 and as ed and accompanied by "No other designation, provide product ected for their unique
- urers are listed in product
- vern product selection. nized architectural hardware ce for supplying door hardware this Project and that provides lable to Owner, Architect, and
- or hardware and keying
- ata for electrified door hardware, ngineering analysis of lar to those indicated for this
- ation of electronic security and provide installation and ontractors.
- dware installation, inspect and n application of commercial grade nce for installing door hardware
- this Project. Person who is experienced in tions that are comparable in
- ject and meets these I Hardware Consultant (AHC).
- Architect and other related king order upon completion of
- ed hardware with Architect and
- oor hardware from single nanufacturer as mechanical door
- ations and that are listed by testing having jurisdiction are acceptable. esting: Listed and labeled by a aving jurisdiction, based on testing
- orida Building Codes for Exterior for fire-rated openings that having jurisdiction. Provide only
- to products tested by other testing and inspecting on for use on types and sizes of and according to NFPA 252 or
- ed door and door frame labels. smoke- and draft-control door eets requirements of assemblies with NFPA 105.
- .3 cfm/sq. ft. at tested pressure fined in NFPA 70, Article 100, by
- re than 15 lbf to release latch. dge for operation.
- loors in an accessible route, "REFERENCES" article, herein. tight grasping, pinching, or more than 5 lbf.
- bf applied perpendicular to door. allel to door at latch. ble by authorities having
- than 1:2. Provide thresholds not

4. Adjust door closer sweep periods so that, from open position of 70 degrees, door will take at least 3 seconds to move to 3 inches from latch, measured to leading edge of door.

1.2BORED LOCKS – GRADE 2, STANDARD DUTY

3. Fit modified ANSI A115.2 door preparation.

7. 1/2" inch throw latchbolt for all single doors.

2. Acceptable Manufacturers: Sargent DL series.

2. Cylinders: Refer to "KEYING" article, herein.

Provide proper latch throw for UL listing at pairs.

b. Fit modified ANSI A115.3 door preparation.

d. 2-3/4" backset, or 2 3/8" backset as needed.

f. Provide locksets with 6-pin core.

manufacturer's series as indicated.

system per "KEYING" article herein.

cylinders/cores involved at no additional cost to Owner.

following requirements in Project locations as indicated.

B. Keying Requirements – General for Commercial

b. Provide (6) Master Kevs.

c. Provide (2) Control Kevs

1. Scheduled Manufacturer: lves

B. Provide door stops at each door leaf as specified.

1. Scheduled Manufacturer: National Guard

2. Acceptable Manufacturers: lves, Rockwood

involved at no additional cost to Owner.

1.8SLIDING, BI-FOLDING DOOR HARDWARE

1. Cox, Arthur & Sons, Inc.

3. Johnson, L. E. Products, Inc.

4. Stanley Commercial Hardware.

connections before electrified door hardware installation.

2. Hager Companies.

to coordinate with frame color.

specified herein.

2. Identification: Stamp all keys with keyset symbol

a. Provide (2) operating keys per keyed core.

2. Acceptable Manufacturers: Dorma, Sargent.

A. Manufacturers and Products:

2-3/4" backset standard

A. Manufacturers and Products:

prevent lever sag.

roses on both sides.

2. Requirements:

A. Manufacturer and Product:

not include actual key cuts.

by Owner.

1.4KEYING

D. Keys

1.5DOOR STOPS

A. Manufacturers:

A. Manufacturers:

B. Requirements:

1.7DOOR VIEWERS

A. Manufacturers:

with pocket sets.

1.9FINISH

PART 2 - EXECUTION

2.1EXAMINATION

2.2PREPARATION

1.6THRESHOLDS, GASKETING

H. Replaceable Construction Cores.

. Permanent Keyed Cores:

following key system.

restricted keyway

3. Quantity of keys:

lockset warrantv.

e. 1" throw deadbolt.

Lever Design: "T", Tempo.

b. Rose Design: Standard.

1. Manufacturers and Products:

5. Latch Faceplate 1 1/8" x 2 1/4".

6. ANSI Strike 1 1/4" x 4 7/8" standard.

9. Lever Design: "M" Summit Lever.

1.1TUBULAR LOCKS - GRADE 2, STANDARD DUTY

B. Requirements

B. Requirements

1.2DEADBOLT LOCKS

1.3CYLINDERS

A. Cylindrical Deadbolt

Grade 2.

- . Keying Conference: Conduct conference at Project site to comply with requirements in Division 01. 1. Attendees: Owner, Contractor, Architect, Installer, and Supplier's Architectural
- Hardware Consultant. 2. Incorporate keying conference decisions into final keying schedule after
- reviewing door hardware keying system including:
- a. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
- b. Preliminary key system schematic diagram. c. Requirements for key control system.
- d. Requirements for access control.
- e. Address for delivery of keys.
- A. Pre-installation Conference: Conduct conference at Project site. 1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delavs
 - 2. Inspect and discuss preparatory work performed by other trades.
 - 3. Inspect and discuss electrical roughing-in for electrified door hardware.
- 4. Review sequence of operation for each type of electrified door hardware.
- 5. Review required testing, inspecting, and certifying procedures. B. Coordination Conferences:
- 1. Installation Coordination Conference: Prior to hardware installation, schedule and hold meeting to review questions or concerns related to proper installation and adjustment of door hardware.
- 2. Electrified Hardware Coordination Conference: Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.
- 1.2DELIVERY, STORAGE, AND HANDLING A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered
- to Project site. B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary
- fasteners with each item or package. 1. Deliver each article of hardware in manufacturer's original packaging. C. Project Conditions:
- 1. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods. 2. Provide secure lock-up for door hardware delivered to Project, but not yet installed. Control handling and installation of hardware items so that completion of
- Work will not be delayed by hardware losses both before and after installation. D. Protection and Damage:
- 1. Promptly replace products damaged during shipping. 2. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work.
- 3. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- E. Deliver keys to manufacturer of key control system for subsequent delivery to Owner. F. Deliver keys and permanent cores to Owner by registered mail, overnight package service or hand delivery with signed receipt. 1.3COORDINATION
- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete. Concrete, reinforcement, and formwork requirements are specified in Division 03.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems. E. Existing Openings: Where hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide proper door operation.
- F. Direct shipments not permitted, unless approved by Contractor. 1.4WARRANTY
- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
- 1. Warranty Period: Years from date of Substantial Completion, for durations
- indicated a. Locksets:
- 1) Mechanical: 3 years. 2. Warranty does not cover damage or faulty operation due to improper
- installation, improper use or abuse 1.5MAINTENANCE
- A. Maintenance Tools:
- 1. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders. PART 2 - PRODUCTS
- 2.1MANUFACTURERS
- A. The Owner requires use of certain products for their unique characteristics and particular project suitability to ensure continuity of existing and future performance and maintenance standards. After investigating available product offerings Awarding Authority has elected to prepare proprietary specifications. B. Approval of manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product
- category shall be in accordance with QUALITY ASSURANCE article, herein. C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- D. Hand of Door: Drawings show direction of slide, swing, or hand of each door leaf. Furnish each item of hardware for proper installation and operation of door movement as
- E. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.
- 2.2MATERIALS A. Fasteners
 - 1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation. 2. Furnish screws for installation with each hardware item. Finish exposed
 - (exposed under any condition) screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
 - 3. Provide concealed fasteners for hardware units exposed when door is closed except when no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite
- face is exposed in other work unless thru-bolts are required to fasten hardware securely. Review door specification and advise Architect if thru-bolts are required. 4. Install hardware with fasteners provided by hardware manufacturer. 1.1HINGES
- A. Provide Five-knuckle, Ball Bearing hinges.
- 1. Manufacturers and Products: a. Scheduled Manufacturer and Product: Stanley FBB/CB series
 - b. Acceptable Manufacturer: lves 5BB series, McKinney TA series, Hager BB series.
- B. Requirements, unless otherwise specified:
 - 1. 1-3/4" thick doors, up to and including 36 inches wide: a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inch high. b. Interior: Standard weight, steel, 4-1/2 inch high.
 - 2. 1-3/4" thick doors over 36 inches wide:
 - a. Exterior: Heavy weight, bronze/stainless steel, 5 inch high. b. Interior: Heavy weight, steel, 5 inch high.
 - 3. 2" or thicker doors:

a. Steel Hinges: Steel pins.

degree of opening.

b. Non-Ferrous Hinges: Stainless steel pins.

e. Interior Non-lockable Doors: Non-rising pins.

c. Out-Swinging Exterior Doors: Non-removable pins.

d. Out-Swinging Interior Lockable Doors: Non-removable pins.

furnish hinges 5" high, heavy weight or standard weight as specified.

9. Provide exterior hinges with additional corrosion resistant coating.

- a. Exterior: Heavy weight, bronze or stainless steel, 5 inch high.
- b. Interior: Heavy weight, steel, 5 inch high.
- 4. Provide three hinges per door leaf for doors 90 inches or less in height, and one additional hinge for each 30 inches of additional door height. 5. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing

6. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:

7. Width of hinges: 4-1/2" at 1-3/4" thick doors, and 5" at 2" or thicker doors.

Adjust hinge width as required for door, frame, and wall conditions to allow proper

8. Doors 36" wide or less furnish hinges 4-1/2" high; doors greater than 36" wide

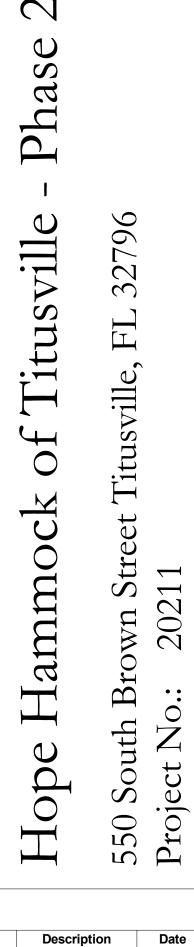
2. Field modify and prepare existing door and frame for new hardware being 3. When modifications are exposed to view, use concealed fasteners, when 1. Scheduled Manufacturers and Products: Stanley Commercial QCL200 Series. 2. Acceptable Manufacturers: Dorma CL700 Series, Sargent 10 Line series. possible 4. Prepare hardware locations and reinstall in accordance with installation 1. Certified by BHMA for ANSI A156.2 Series Grade 2, UL10C listed. requirements for new door hardware and with: a. Steel Doors and Frames: For surface applied door hardware, drill and tap 2. ANSI A117.1 Accessibility Code (ADA Compliant). doors and frames according to ANSI/SDI A250.6. b. Wood Doors: DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors." c. Doors in rated assemblies: NFPA 80 for restrictions on on-site door hardware preparation. 8. Function and design as indicated in the hardware groups. 1.1INSTALLATION A. Mounting Heights: Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations. 1. Standard Steel Doors and Frames: ANSI/SDI A250.8. 1. Scheduled Manufacturer and Product: Stanley QGT Series. 2. Custom Steel Doors and Frames: HMMA 831. 3. Wood Doors: DHI WDHS.3. "Recommended Locations for Architectural Hardware for Wood Flush Doors." Provide tubular lever sets conforming to ANSI/BHMA A156.2 Series 4000, B. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer. C. Do not install surface mounted items until finishes have been completed on substrate. 3. Provide locks with standard 2-3/4" backset, unless noted otherwise, with 1/2" Protect all installed hardware during painting. latch throw. Provide 2-3/8" backset where noted of if door or frame detail requires. D. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation. 4. Provide lever sets with separate anti-rotation through bolts, and no exposed E. Drill and countersink units that are not factory prepared for anchorage fasteners. screws. Provide levers that operate independently with only 36-Degree rotation Space fasteners and anchors according to industry standards. F. Install operating parts so they move freely and smoothly without binding, sticking, or maximum and have external return spring cassettes mounted under roses to excessive clearance. 5. Lever Trim: Satin Chrome (626) levers without plastic inserts, and wrought G. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated or one hinge for every 30 inches of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided. H. Lock Cylinders: Install construction cores to secure building and areas during construction period. 1. Replace construction cores with permanent cores as indicated in keying a. Scheduled Manufacturers and Products: Stanley Commercial QDB200 section. I. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, b. Acceptable Manufacturers: Dorma D800, Sargent 480 Series. and stair side of stairway doors from corridors. Closers shall not be visible in corridors, lobbies and other public spaces unless approved by Architect. a. Tested and approved by ANSI A156.5, Operational Grade 2. J. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants." c. Locksets and cores to be of the same manufacturer to maintain complete K. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard. ... Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame. M. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is 1.2ADJUSTING 1. Scheduled Manufacturer and Product: Best Standard. A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be B. Requirements: Provide cylinders/cores complying with the following requirements. adjusted to operate as intended. Adjust door control devices to compensate for final 1. Cylinders/cores compliant with ANSI/BHMA A156.5; latest revision, Section 12, operation of heating and ventilating equipment and to comply with referenced Grade 1; permanent cylinders; cylinder face finished to match lockset, accessibility requirements. 1. Spring Hinges: Adjust to achieve positive latching when door is allowed to C. Full-sized cylinders with small format interchangeable cores (SFIC), in the below-listed close freely from an open position of 30 degrees. 2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly configuration(s), distributed throughout the Project as indicated. 1. Keying: Manufacturer-keyed permanent cylinders/cores, configured into keying engage lock bolt. 3. Door Closers: Adjust sweep period to comply with accessibility requirements 2. Features: Cylinders/cores shall incorporate the following features. and requirements of authorities having jurisdiction. D. Mark permanent cylinders/cores and keys with applicable blind code per DHI B. Occupancy Adjustment: Approximately three months after date of Substantial publication "Keying Systems and Nomenclature" for identification. Blind code marks shall Completion, Installer's Architectural Hardware Consultant shall examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure Identification stamping provisions must be approved by the Architect and Owner. function of doors, door hardware, and electrified door hardware. **1.3CLEANING AND PROTECTION** F. Failure to comply with stamping requirements shall be cause for replacement of A. Clean adjacent surfaces soiled by door hardware installation. 1. Forward cylinders/cores to Owner, separately from keys, by means as directed B. Clean operating items as necessary to restore proper function and finish. C. Provide final protection and maintain conditions that ensure door hardware is without G. Project Cylinder/Core Distribution: Provide cylinders/cores complying with the damage or deterioration at time of Substantial Completion. 1.4DEMONSTRATION A. Provide training for Owner's maintenance personnel to adjust, operate, and maintain 1. Provide temporary construction cores replaceable by permanent cores. Provide door hardware and door hardware finishes. Refer to Division 01 Section "Demonstration 12 operating keys for contractor use during construction. and Training. 1.5DOOR HARDWARE SCHEDULE A. Locksets, exit devices, and other hardware items are referenced in the following 1. Contractor to replace construction cores with permanent cores as directed by Owner. Installation will be in presence of owner representative, indicating keys hardware sets for series, type and function. Refer to the above specifications for special operate locking hardware and to turn over all permanent keys. features, options, cylinders/keying, and other requirements. A. Keying System: Factory registered, complying with guidelines in Manufacturer Lis ANSI/BHMA A156.28, incorporating decisions made at keying conference. <u>Code Name</u> BYBy Others 1. Permanent cylinders/cores keyed by the manufacturer according to the IV Ives NANational Guard C. Key Features: Provide keys with the following features. SHStanley Commercial Hardware ST Stanley 1. Patent Protection: Keys and blanks protected by a special broching in SYStanley MultiFamily TRTrimco 1. Material: Nickel silver; minimum thickness of .107-inch (2.3mm) **Finish List** Code Description AL Aluminum 26D Satin Chrome 603 Zinc Plated Coordinate with cylinder/core and key identification requirements above. 626 Satin Chromium Plated F. Stamp keys with Owner's unique key system facility code as established by the 626E Satin Chrome manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE". 630W Stainless Steel, Weatherized G. Failure to comply with stamping requirements shall be cause for replacement of keys US26D Chromium Plated, Dull Option List Code Description H Hurricane Compliant 2. Acceptable Manufacturers: Burns, Don-Jo, Rockwood, Trimco L4 2 3/4" Radius/Square Latch Face & Strike DBS Standard Deadbolt Strike 478S 47/8" ANSI Strike Hardware Sets 2. Acceptable Manufacturers: Pemko, Reese, Zero International 1. Provide thresholds, weatherstripping (including door sweeps, seals) and gasketing systems as specified and per architectural details. Match finish of other A. Door Viewer: 150 degree angle, one-way, solid brass body with glass lens. 1. Scheduled Manufacturer: lves U696 B, UL Listed or comparable product. B. General: BHMA A156.14; consisting of complete sets including rails, 4-wheel hangers, supports, bumpers, floor guides, and accessories indicated. Provide frames 1. Pocket Sliding Door Hardware: Rated for doors weighing 75 lb. C. Bi-Fold Door Hardware: Rated for doors weighing 50 lb. A. Designations used in Schedule of Finish Hardware - 3.7, and elsewhere to indicate hardware finishes are those listed in ANSI/BHMA A156.18 including coordination with traditional U.S. finishes shown by certain manufacturers for their products B. Powder coat door closers to match other hardware, unless otherwise noted. C. Aluminum items shall be finished to match predominant adjacent material. Gasketing A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. B. Existing Door and Frame Compatibility: Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions. C. Examine roughing-in for electrical power systems to verify actual locations of wiring

D. Proceed with installation only after unsatisfactory conditions have been corrected. A. Where on-site modification of doors and frames is required: 1. Carefully remove existing door hardware and components being reused. Clean, protect, tag, and store in accordance with storage and handling requirements

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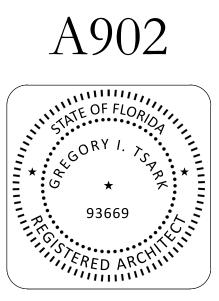
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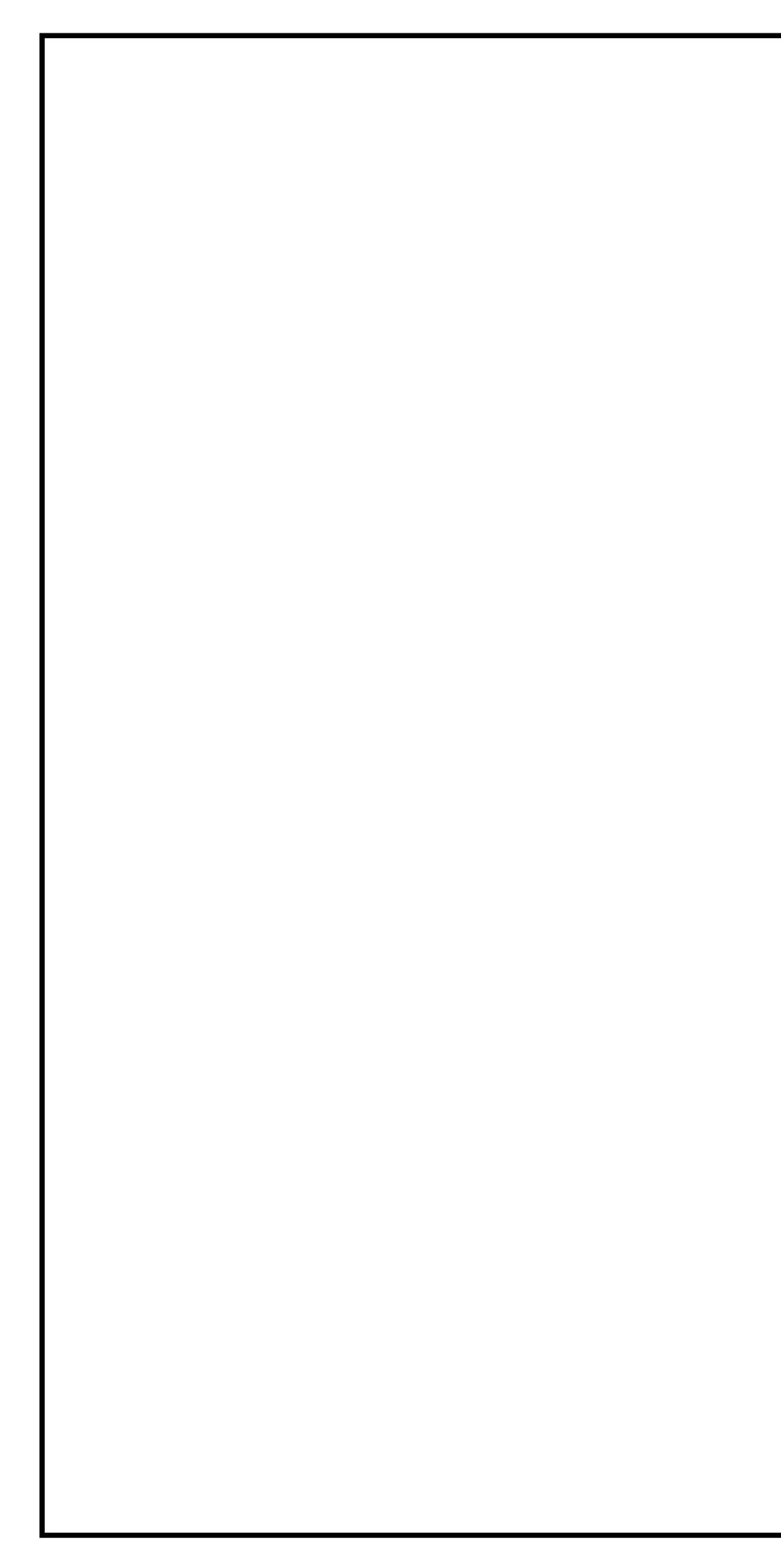


Description	Date
	Description

OPENING ELEVATIONS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	





SET #U-1 - Unit Entry - Front
Doors: 201, 214, 227, 240, 251, 261
 3 Hinges FBB179 4 1/2 X 4 1/2 US26D ST 1 Deadlock QDB281 BF- 6 Pin Comb DBS H 626 SH 1 Passage Set QCL230 M 478S H626 SH 1 Door Stop 63 F 626E IV 1 Viewer U 696 B 26D IV 1 Gasketing 5075 C NA 1 Door Bottom 36 EVDKB 36" NA 1 Saddle Threshold 425 SSMS/LA AL NA
SET #U-2 - Unit Entry - Rear
Doors: 213, 226, 239, 273
 3 Hinges CB191 4 1/2 X 4 1/2 NRP 630W ST 1 Deadlock QDB281 BF- 6 Pin Comb DBS H 626 SH 1 Passage Set QCL230 M 478S H626 SH 1 Crash Chain 4048 603 TR 1 Gasketing 5075 C NA 1 Door Bottom 36 EVDKB NA 1 Saddle Threshold 425 SSMS/LA AL NA
SET #U-3 - Unit Bedroom
Doors: 202, 209, 211, 215, 222, 224, 228, 235, 237, 241, 244, 248, 252, 258, 262, 269, 271
3 Hinges By Pre-hung Door Manufacturer626 BY 1 Privacy Set QGT240 T L4 626 SY 1 Door Stop 63 F 626E IV
SET #U-4 - Unit Bathroom
Doors: 206, 219, 232, 247, 255, 266
3 Hinges By Pre-hung Door Manufacturer626 BY 1 Privacy Set QGT240 T L4 626 SY 1 Door Stop 63 F 626E IV
SET #U-5 - Unit Laundry - Swing
Doors: 250, 260
3 Hinges By Pre-hung Door Manufacturer626 BY 1 Passage Set QGT230 T L4 626 SY 1 Door Stop 63 F 626E IV
SET #U-6 - Unit Laundry - Pocket
Doors: 205, 218, 231, 265
1 Pocket Door Pull 1065 626 TR 1 Pocket Door Set PD75-00-Size ST
SET #U-7 - Unit Closet Bi-Fold - Sgl
Doors: 203, 204, 207, 208, 216, 217, 220, 221, 229, 230, 233, 234, 243, 246, 254, 256, 257, 263, 264 267, 268
1 Pull 562-4 626 TR 1 Bifold Hardware Set BFC50-00-Size ST
SET #U-8 - Init Closet Bi-Fold - Dbl
Doors: 210, 212, 223, 225, 236, 238, 242, 245, 249, 253, 259, 270, 272

1 Pull 562-4 626 TR 1 Bifold Hardware Set BFC50-00-Size ST

END OF SECTION

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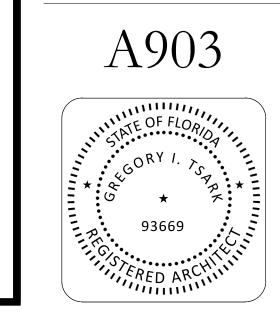
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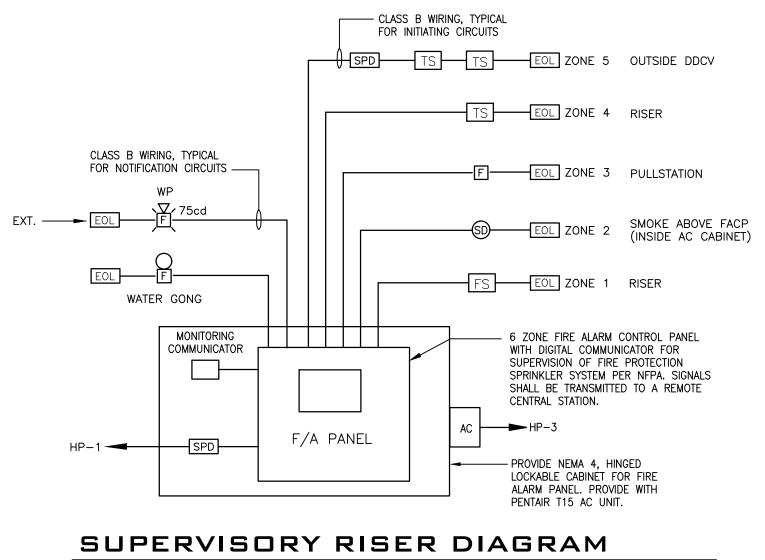
Description Date Image: Description Image: Description

OPENING DETAILS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	



PA		RATING: SERVICE				ø, 3W	I						BOTTOM RFACE				SERIE NEMA		ATED				
СКТ	DESCRIPTION	KVA	СКТ	BRKR	BRA	NCH	CI	RCUIT	ø	скт		DESCRIPTION				ESCRIPTION		CKT BRKR		BRANCH		CIRCUI	
	BESONI HON		POLE	TRIP	Ø	N	GND	С"	Ľ			L			KVA	POLE	TRIP	Ø	N	GND	C		
1	FACP (LOCK ON)	0.2	1	20	12	12	12	3/4	a	2	SPA	RE				1	20						
3	FACP CABINET AC	0.35	1	20	12	12	12	3/4	b	4	SPA	RE				1	20						
5	RECEPT BELOW PANEL	0.18	1	20	12	12	12	3/4	a	6	SPA	RE				1	20						
7	SPACE								b	8	SPA	CE											
9									a	10													
11									b	12													
13									a	14													
15									b	16													
17									a	18													
		CON	INECT	ED LO	DAD	(KVA)) ØA			øВ													
	EQUIPMENT SERVE	D		CON	INECT	ED L	.OAD	LF		DF	[DEMA	ND LOAD	REMARKS: – PROVIDE TYPE WRITTEN DIRECT									
LIC	GHTING				0	.0				1.25			0.0		DVIDE 1 DVIDE 1								
MIS	SC. EQUIPMENT				0	.2				1.0			0.2			.2011							
RE	CEPTS (10KVA PLUS 50%	REST)			0.	18						C).18										
ΗV	AC EQUIPMENT				0.	35				1.0		C).35	1									
								TC	TAL	KVA	:	C).73										
									A	AMPS	:		3.1										

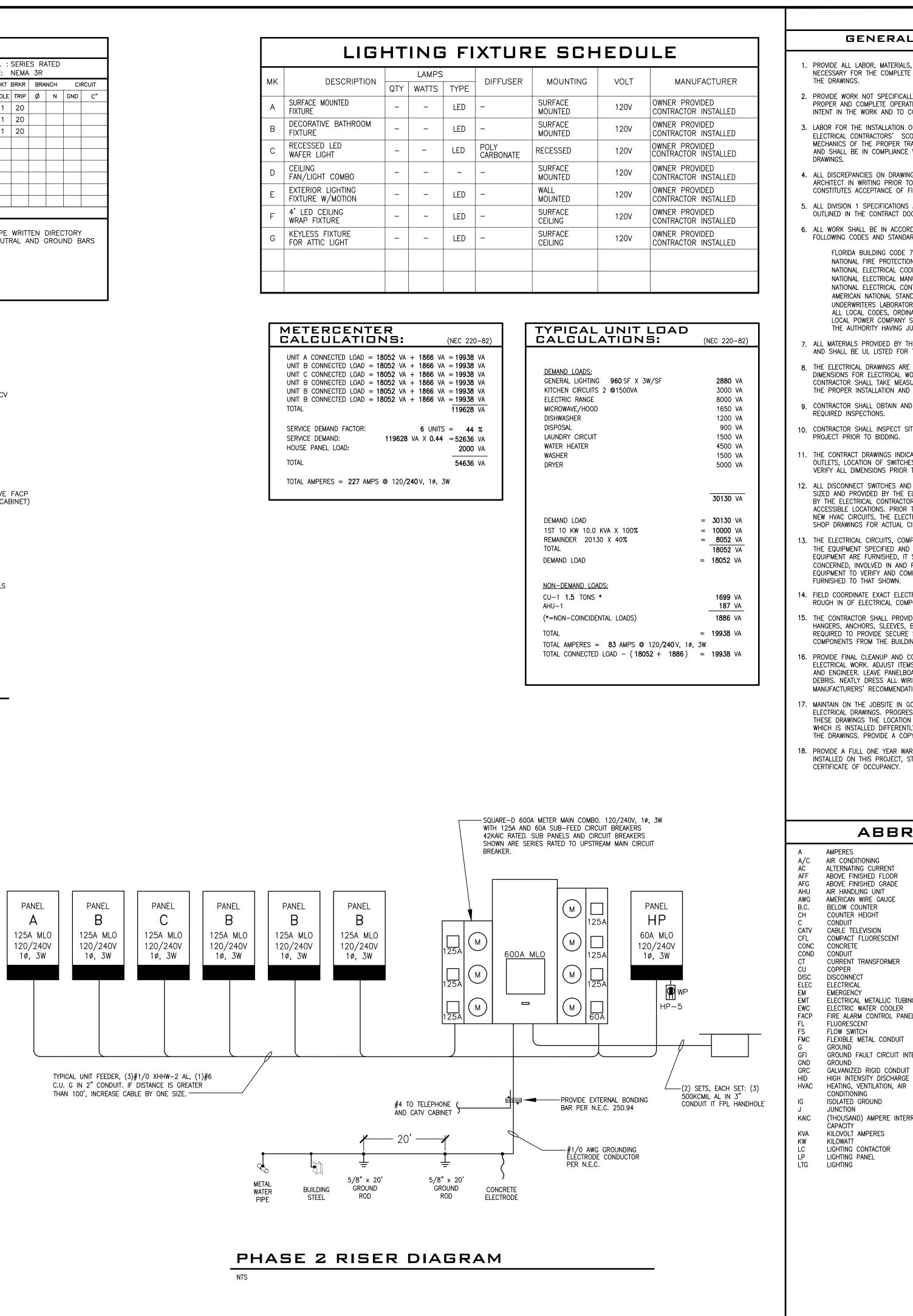


FIRE ALARM REQUIREMENTS

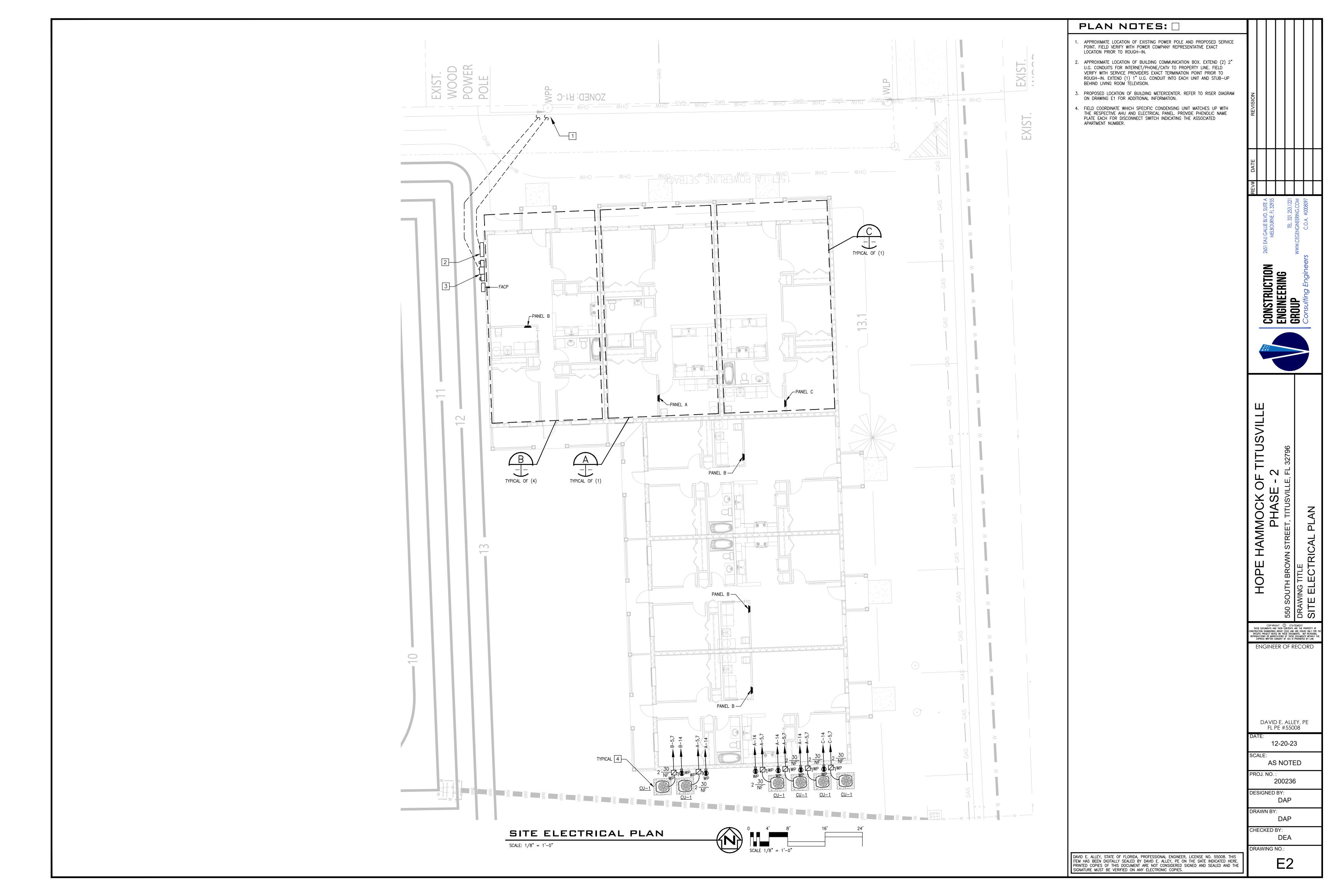
- PROVIDE A COMPLETE AND OPERATIONAL FIRE ALARM SUPERVISORY SYSTEM WHICH SHALL BE PROVIDED, INSTALLED AND TESTED TO MEET OR EXCEED THE REQUIREMENTS LISTED UNDER THE NEC, NFPA, LIFE SAFETY CODE, ALL LOCAL CODES AS NEEDED TO SUPERVISE THE SPRINKLER SYSTEM.
- 2. SUBMIT SHOP DRAWINGS FOR APPROVAL TO THE ARCHITECT/ENGINEER AND THE AHJ. SHOP DRAWINGS TO INDICATE IN DETAIL ALL WIRING REQUIREMENTS INCLUDING CONDUCTOR TYPES, SIZES AND NUMBER, DEVICE LOCATIONS, DETAILED BATTERY CALCULATIONS, SIGNAL CIRCUIT LOAD, LINE LOSS\VOLTAGE DROP CALCULATIONS, SYMBOL LIST INDICATING PART NUMBERS, CANDELA RATINGS, ADDRESSABLE DEVICE NUMBERING, ETC. INCLUDE RISER DIAGRAM THAT IS FULLY COORDINATED WITH THE PLANS. REFER TO FL STATUTES 61G15-32 FOR ADDITIONAL REQUIREMENTS.
- 3. ALL FIRE ALARM WORK SHALL BE PERFORMED BY A STATE LICENSED CERTIFIED FIRE ALARM CONTRACTOR.
- 4. FACP SHALL PERFORM ALL REQUIRED INITIATION AND NOTIFICATION. AND MONITOR FLOW AND TAMPER SWITCHES AS REQUIRED. PROVIDE PANEL WITH WIRELESS RADIO, MESH NETWORK OR CELLULAR TRANSMITTER FOR MONITORING PER NFPA 72.
- 5. PROVIDE SURGE PROTECTION FOR POWER CIRCUIT AND ALL CIRCUITS ENTERING BUILDING.
- 6. ALL NOTIFICATION APPLIANCES SHALL BE HAVE FIELD SELECTABLE CANDELA RATINGS AND HIGH AND LOW HORN OUTPUTS.
- 7. MINIMUM CONDUIT SIZE FOR FIRE ALARM SYSTEM SHALL BE 3/4".
- 8. REFER TO FIRE PROTECTION SHOP DRAWINGS FOR ACTUAL LOCATIONS OF ALL FLOW AND TAMPER SWITCHES, INCLUDING THOSE LOCATED OUTSIDE THE BUILDING. FIELD VERIFY LOCATIONS PRIOR TO ROUGHIN OF DEVICES.
- 9. ALL DEVICES INSTALLED IN WET OR DAMP LOCATIONS SHALL BE WEATHERPROOF. ALL WIRING IN THESE LOCATIONS SHALL BE LISTED FOR SUCH USE.
- 10. ALL INITIATING DEVICE CIRCUITS SHALL BE CLASS B. ALL NOTIFICATION CIRCUITS SHALL BE CLASS B. ALL SIGNALING LINE CIRCUITS SHALL BE CLASS B. SURVIVABILITY LEVEL 0.
- 11. FIRE ALARM CONTRACTOR SHALL SUBMIT OPERATIONS AND MAINTENANCE PROCEDURES, MANUALS, SYSTEM DOCUMENTS, INSTRUCTIONS TO OWNER'S PERSONNEL WITH PROJECT CLOSEOUT DOCUMENTS.

FIRE ALARM SYMBOLS

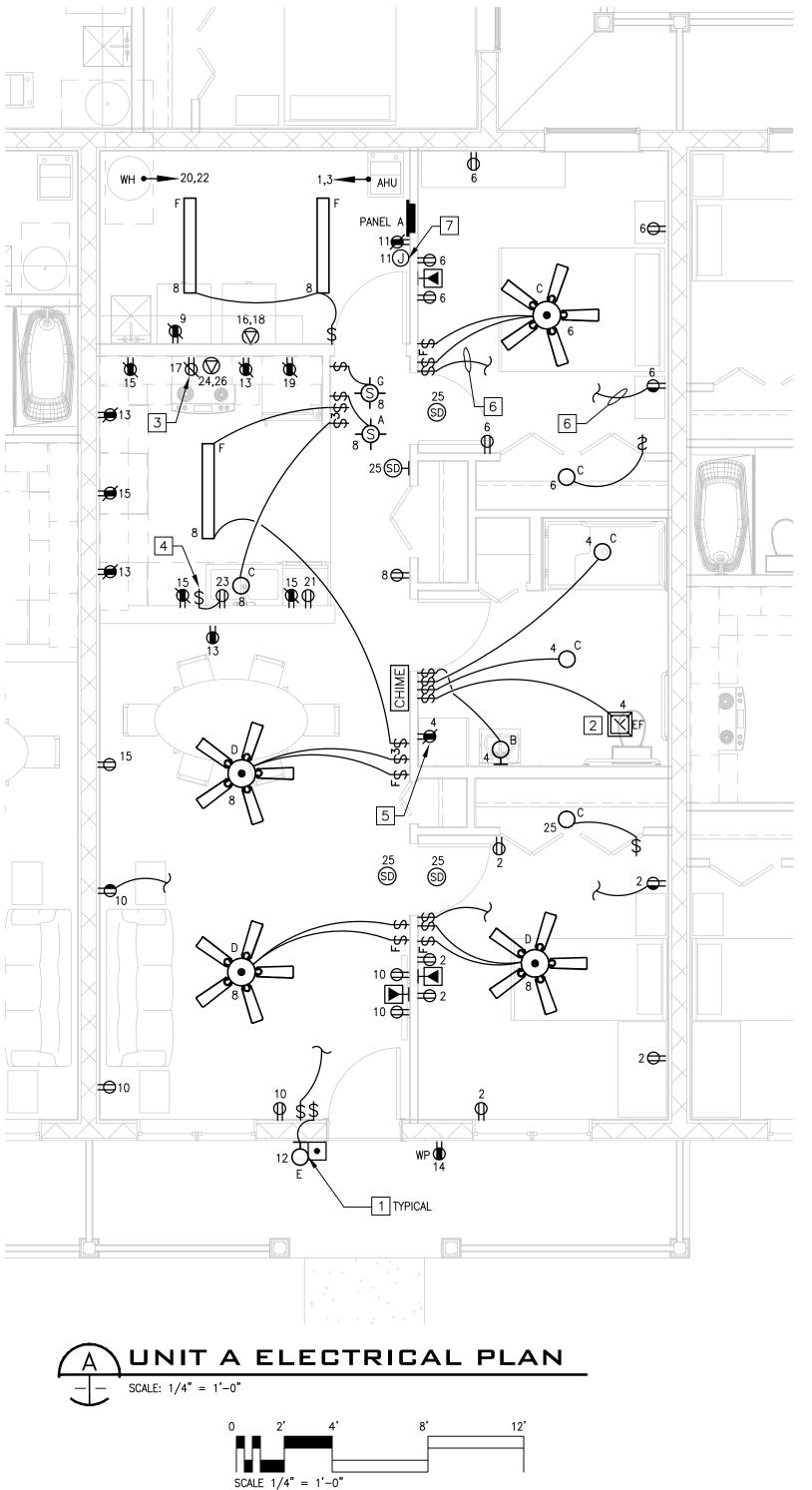
SD PHOTOELECTRIC SMOKE DETECTOR. ÌFÍ STROBE DEVICE. MOUNT AT 80" AFF, UON. ÌFÍ∕. HORN/STROBE DEVICE. MOUNT AT 80" AFF, UON. F MANUAL PULL STATION. MOUNT TOP OF DEVICE LESS THAN 46" AFF. FACP FIRE ALARM CONTROL PANEL TS TAMPER SWITCH FS FLOW SWITCH SURGE PROTECTION DEVICE SPD WATER GONG

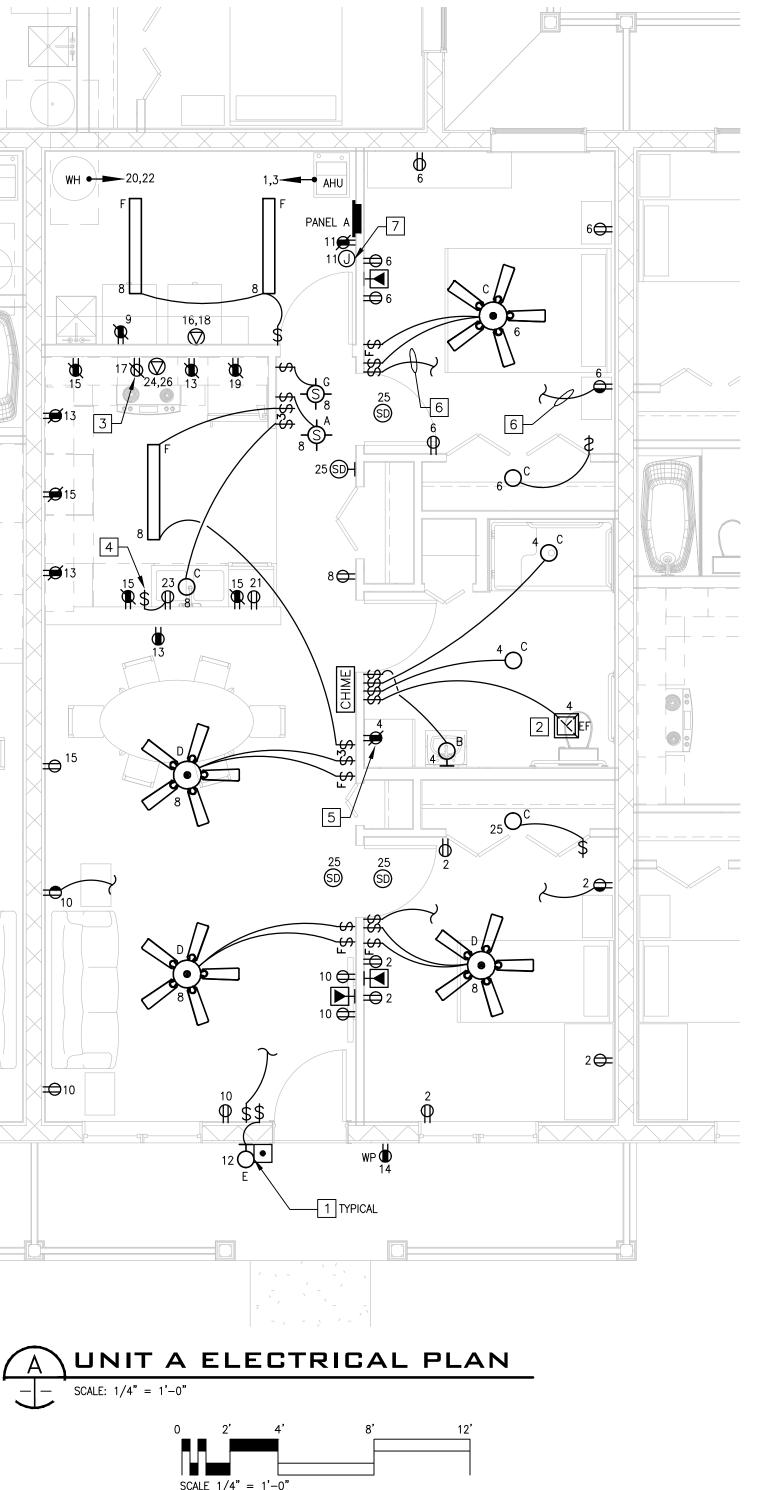


AL REQUIREMENTS ALS, EQUIPMENT, AND TOOLS TO PERFORM ALL WORK ETE EXECUTION OF THE ELECTRICAL WORK AS SHOWN ON CALLY SHOWN OR SPECIFIED, YET REQUIRED TO INSURE RATIONS OF ALL SYSTEMS AND TO SATISFY THE DESIGN COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. N OF MATERIALS AND EQUIPMENT FURNISHED UNDER THE SCOPE OF WORK SHALL BE PERFORMED BY EXPERIENCED TRADE AND ALL WORKMANSHIP SHALL BE FIRST CLASS CE WITH THE SPECIFIC REQUIREMENTS OF THE CONTRACT WINGS SHALL BE BROUGHT TO THE ATTENTION OF THE TO SUBMISSION OF BIDS. SUBMISSION OF A BID F FIELD CONDITIONS. NS AND ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS DOCUMENTS SHALL APPLY TO ELECTRICAL SYSTEMS. CORDANCE WITH THE LATEST ADOPTED EDITION OF THE DATES: E 7TH ADDITION TION ASSOCIATION, (NFPA) CODE, 2017 (NEC) MANUFACTURERS ASSOCIATION, (NECA) TANDARDS INSTITUTE, (ANSI) TORIES, (UL) DINANCES, REQULATIONS Y STANDARDS S JURISDICTION. THE CONTRACTOR SHALL BE NEW AND FREE OF DEFECTS OR THE INTENDED APPLICATION. WE NOT TO BE SCALED. WHERE SPECIFIC DETAILS AND WORK ARE NOT SHOWN ON THE DRAWINGS, THE ASUREMENTS AND MAKE LAYOUTS AS REQUIRED FOR FOR NO COMPLETION OF THE WORK. AND FURNISH ALL PERMITS, AND ARRANGE FOR ALL	 GENERAL NOTES UNIT SMOKE DETECTORS SHALL BE 120V AC WITH BATTERY BACK UP AND SHALL BE LOCATED 3 FEET MIN. AWAY FROM SUPPLY DIFFUSERS, TYPICAL FOR ALL UNITS. INTERLOCK WITH EACH OTHER AS REQUIRED FOR COMMON NOTIFICATION. (MULTIFAMILY RATED). OUTLET LOCATIONS SHOWN ARE GENERAL IN NATURE. CONTRACTOR SHALL ADJUST QUANTITY AND LOCATIONS AS REQUIRED FOR FIELD CONDITIONS IN ORDER TO MEET NEC SPACING REQUIREMENTS. ALL SWITCHES AND RECEPTACLES SHALL BE RESIDENTIAL STYLE, WHITE IN COLOR WITH MATCHING FACEPLATES. UNLESS OTHERWISE NOTED. WHERE BATHROOM RECEPTACLES ARE INSTALLED "WITHIN" MIRROR, PROVIDE MATCHING MIRRORED FACEPLATE. PROVIDE STAINLESS STEEL FACEPLATES AND GRAY RECPTACLES FOR RECEPTACLES INSTALLED ABOVE COOKTOP BACKSLASH. SUBMIT SAMPLE TO ARCHIECT FOR APPROVAL PRIOR TO CONSTRUCTION OF UNIT. RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT. CAREFULLY REVIEW ALL BUILDING ELEVATIONS AND WINDOW TYPES WITH FLOOR PLANS TO DETERMINE IF ANY PERIMETER RECEPTACLES ARE REQUIRED TO BE RECESSED FLOOR MOUNTED INSTEAD OF WALL MOUNTED. PROVIDE HACR RATED CIRCUIT BREAKERS FOR HVAC EQUIPMENT, COORDINATE WITH MANUFACTURERS EQUIPMENT NAMEPLATE PRIOR TO ORDERING. COORDINATE WIRE SIZES AND CIRCUIT BREAKERS FOR ALL APPLIANCES AND A/C EQUIPMENT TO BE PROVIDED PRIOR TO ORDERING. COORDINATE WIRE SIZES AND CIRCUIT BREAKERS FOR ALL APPLIANCES AND A/C EQUIPMENT TO BE PROVIDED PRIOR TO ORDERING. DRYER AND RANGE RECEPTACLES SHALL BE 240V, 3-WIRE PLUS GROUND. DRAWINGS AND SPECIFICATIONS ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. REVIEW THE GENERAL NOTES. SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATION AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT	CTION CTION2651 EAU GALIE BLVD, SUITE MELBOURNE, FL 32735REV#DATEREVISIONICTION MELBOURNE, FL 327352651 EAU GALIE BLVD, SUITE MELBOURNE, FL 327355EO CONEO CONRING MOW.CEGENGINEERING.COMTEL. 321.253.121EO CONEO CONIndicator CO.A. #000807C.O.A. #000807EO CONEO CON
SITE FOR FIELD VERIFICATION OF ALL ASPECTS OF THE DICATE THE GENERAL ARRANGEMENT OF CIRCUITS AND CHES, PANELBOARDS, CONDUITS, AND OTHER WORK. FIELD OR TO INSTALLATION OF WORK. AND STARTERS FOR THE MECHANICAL EQUIPMENT SHALL BE E ELECTRICAL CONTRACTOR AND INSTALLED AND CIRCUITED TOR, UNLESS OTHERWISE NOTED. INSTALL SWITCHES IN OR TO INSTALLATION OF ANY ELECTRICAL WORK RELATED TO ECTRICAL CONTRACTOR SHALL REVIEW THE MECHANICAL . (IRCUIT REQUIREMENTS. OMPONENTS, AND CONTROLS ARE SELECTED AND SIZED FOR ND OR SHOWN. IF SUBSTITUTIONS AND/OR EQUIVALENT IT SHALL BE THE RESPONSIBILITIES OF ALL PARTIES ID FURNISHING THE SUBSTITUTE AND/OR EQUIVALENT COMPARE THE ELECTRICAL CHARACTERISTICS OF THAT ECTRICAL CONNECTION POINTS TO EQUIPMENT PRIOR TO DWPONENTS. SUDE ALL CHANNEL AND ANGLE SUPPORTING SYSTEMS, S, BRACKETS, FABRICATED ITEMS, AND HARDWARE AS RE SUPPORT, PER N.E.C., FOR ALL ELECTRICAL LDING STRUCTURE. O CONDUCT FIELD TESTS AFTER INSTALLATION OF ALL TEMS TO THE SATISFACTION OF THE OWNER, ARCHITECT, BOARD INTERIOR CLEAN AND FREE FROM CONSTRUCTION WIRING, AND RE-TIGHTEN ALL TERMINATIONS PER DATIONS. 1 GOOD CONDITION ONE SET OF UP TO DATE AS-BUILT RESSIVELY, NEATLY, LEGIBLY AND EXACTLY RECORD ON ION OF ALL CONCEALED CONDUIT RUNS AND ALL WORK INTLY THAN IN THE LOCATION AND MANNER INDICATED ON COPY OF THESE PLANS FOR THE OWNER. WARRANTY ON ALL ELECTRICAL LABOR, AND MATERIALS , STARTING FROM THE ISSUANCE OF THE OWNERS	 SUBMITALS, NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. 12. ALL 125V, SINGLE-PHASE, 20-AMPERE RECEPTACLES SERVING KITCHEN COUNTERS, DISHWASHER, BAITHROOM AND OUTDOOR RECEPTACLES SHALL BE GFCI PROTECTED PER NEC ARTICLE 210.8. 13. ALL GFCI PROTECTED CIRCUITS SHALL HAVE INDIVIDUAL AND DEDICATED NEUTRALS. 14. ROOM NAMES SHOWN IN PANELBOARD SCHEDULES ARE PER ARCHITECTURAL FLOOR PLANS, CONTRACTOR SHALL PROVIDE FINALIZED PANELBOARD SCHEDULES AT COMPLETION OF PROJECT INDICATING ROOM NAMES PER BRANCH CIRCUIT INSTALLED. 15. ALL 125V 15A AND 20A RECEPTACLES INSTALLED DWELLING UNITS SHALL BE LISTED TAMPER RESISTANT PER NEC 406.12. 16. THE ELECTRICAL CONTRACTOR SHALL FOLLOW THE NEC RECEPTACLE SPACING REQUIREMENTS OF THE NEC AND ADJUST AS REQUIRED BASED ON ACTUAL FIELD CONDITIONS. 17. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONED LOCATIONS OF ALL LIGHTING FIXTURES. 18. ALL MOUNTING HEIGHTS OF DEVICES AND SWITCHES SHALL COMPLY WITH TEH FAIR HOUSING ACT. 	MMOCK OF TITUSVILLE PHASE - 2 Reet, TITUSVILLE, FL 32796 S, RISER AND SCHEDULES
REVIATIONS: MH METAL HALIDE MCM THOUSANDS OF CIRCULAR MILS N NEUTRAL NA NOT APPLICABLE N.C. NOTMALLY CLOSED NEC NATIONAL ELECTRICAL CODE NF NON-FUSED NL NIGHT LIGHT NO NUMBER NEMA NATIONAL FIRE PROTECTION ASSOCIATION N.O. NORMALLY OPEN O.C. ON CENTER OH OVERHEAD P POLE PC PHOTOCELL PNL PANELBOARD PP POWER PANEL BING PVC POLYNIN'L CHLORIDE S RM ROOM ANEL RCPT RECEPTACLE SN SOLID NEUTRAL SPEC SPECIFICATION T SS STAINLESS STEEL SQ SQUARE INTERRUPTER SWITCH UT TTB TELEPHONE TERMINAL BOARD GE TYP TYPICAL IR TF TRANSFORMER UC UNDER COUNTER UG UNDERS OTHERWISE NOTED UON UNLESS OTHERWISE NOTED UNDERGROUND UON UNLESS OTHERWISE NOTED T V VOLTS W WIRE WP WEATHERPROOF Y WYE (CONNECTED)	 MATERIALS AND METHIDS 1. ALL WRE SHALL BE COPPER TYPE "THHN/THWN," SOLID FOR SIZES #12 AND #14, AND SIRRADED FOR #10 AND LARGER UNLESS OTHERWISE NOTED. 2. MINIMUM WIRE SIZE SHALL BE #14 AWG IN LOCATIONS ALLOWED BY THE NEC. 3. ALL CONDUITS INSTALLED IN EXTERIOR LOCATIONS SHALL BE RIGID SCH.40 PVC, ALL CONDUITS INSTALLED LIN EXTERIOR LOCATIONS SHALL BE RIGID SCH.40 PVC, ALL CONDUITS INSTALLED IN EXTERIOR LOCATIONS SHALL BE RIGID SCH.40 PVC, BURIED PER NEC. ALL EXTERIOR EQUIPMENT SHALL BE CONNECTED WITH LIQUID TIGHT FLEXIBLE METAL CONDUITS INSTALLED LIN EXTERIOR SUBJECT ON WITH THE ADD THAT AND WEATHERPROOF FITTINGS. 3. INSTALL ALL RACEWAYS, BOXES, ENCLOSURES, AND CABINETS AS INDICATED AND INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS. 3. OUTLET AND SWITCH BOXES SHALL BE STEEL IN DRY LOCATIONS AND CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND CONSTRUCTION TO SUIT SPECIFIC SITUATIONS. ALL BOXES SHALL BE RECESSED FLUSH IN WALLS AND/OR CONCEALED ABOVE CELLINGS. PROVIDE ACCESS PANELS FOR BOXES LOCATED IN NON-READILY ACCESSIBLE AREAS. 4. INSTALL COMPONENTS AND EQUIPMENT TO PROVIDE MAXIMUM POSSIBLE HEADROOM WHERE MOUNTING HEIGHTS OR OTHER LOCATION CRITERIA ARE NOT INDICATED. MAINTAIN ALL WORKING CLEARANCES AROUND EQUIPMENT AS REQUIRED BY THE N.EC. INSTALLED PANELBOARDS WITH TOP OF TRIM AT 6'-6" ABOVE FINISHED FLOOR. 4. ALL BRANCH AND FEEDER CIRCUITS SHALL CONTAIN A GROUNDING CONDUCTOR, UNLESS OTHERWISES NOTED, AND BE SIZED AND BONDED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE. ALL GROUNDING CONDUCTORS SHALL BE COPPER, U.O.N. 8. FIRE SEAL ALL PENETRATIONS IN FIRE RATED AND BROACE WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE. ALL GROUNDING CONDUCTORS SHALL BE COPPER, U.O.N. 8. FIRE SEAL ALL PENETRATIONS IN FIRE RATED AND BROACE TO INITIAL RATING. PLASH ALL CONDUIT ROOT SIGN THE READED AND BROANCE WITH HERCIDE STOPPING IN ACCORDANCE TO SECTION 713 OF THE FROED. 9. ALL WIRING DEVICES SHALL	Y IS IS IOGNUS IS IS IOGNUS IS IS IS IOGNUS IS IS IS IS IOGNUS IS IS IS IS IS IS IS IS <t< td=""></t<>
	DAVID E. ALLEY, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 55008. THIS ITEM HAS BEEN DIGITALLY SEALED BY DAVID E. ALLEY, PE ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DRAWING NO.: E1

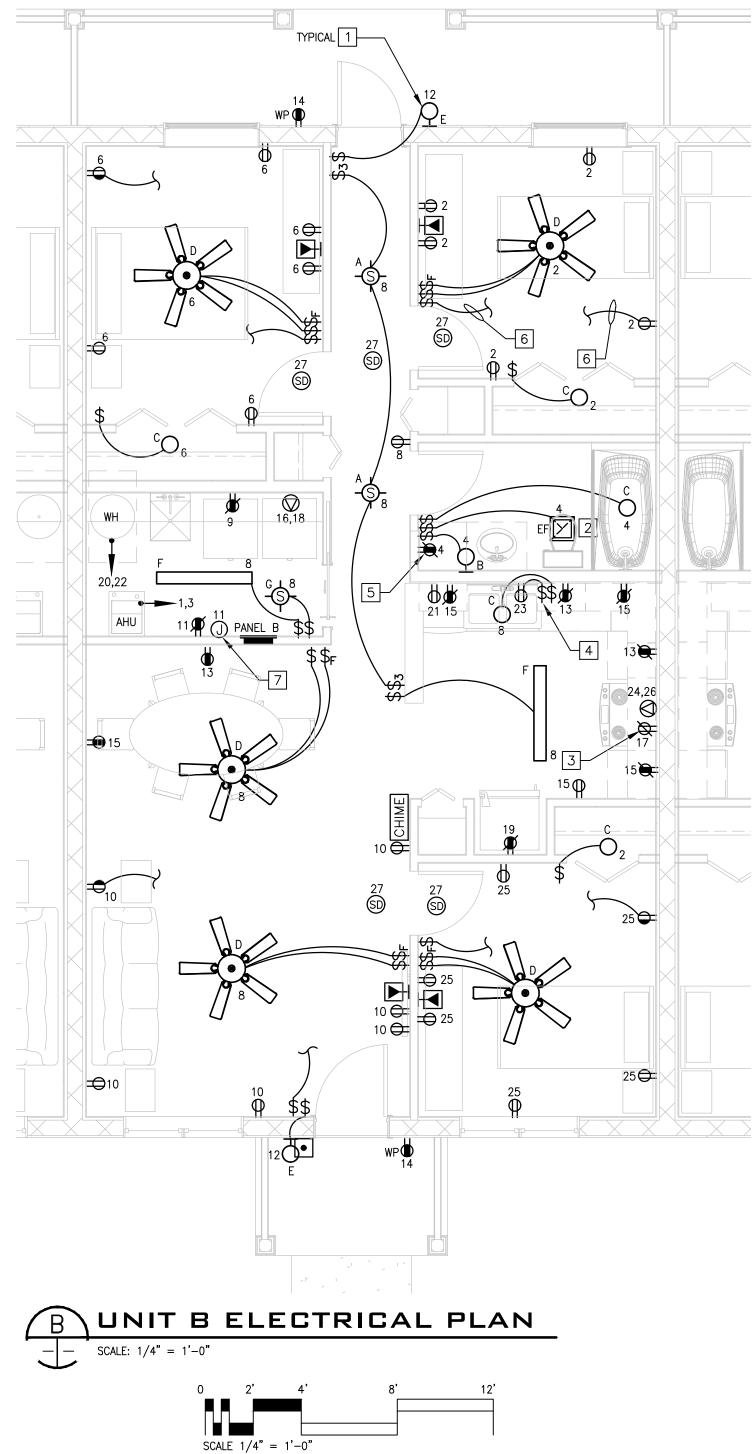


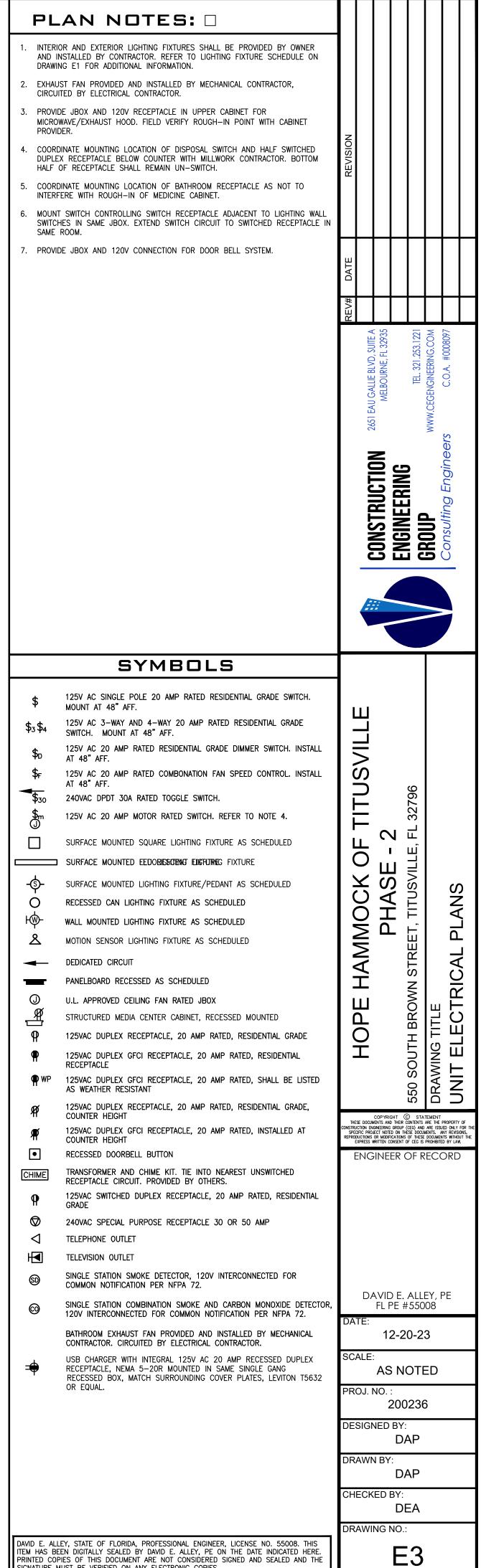
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5	CU		_	2	20	10	_	10	3/4	a	6	REC/LTG-BEDRM 2	#	_	1	15	14	14	14	*
7						10				b	8	LTG LIVING/KITCHEN	#	_	1	15	14	14	14	*
9	WASHER	#	_	1	20	12	12	12	*	a	10	REC-LIVING RM	#	-	1	15	14	14	14	*
11	LAUNDRY	#	-	1	20	12	12	12	*	b	12	LTG EXTERIOR	#	-	1	20	12	12	12	*
13	RECEPTS-KITCHEN CNTR	#	_	1	20	12	12	12	*	a	14	REC EXTERIOR	#	_	1	20	12	12	12	*
15	RECEPTS-KITCHEN CNTR	#	_	1	20	12	12	12	*	b	16	DRYER		_	2	30	10	-	10	*
17	MICROWAVE/HOOD	#	-	1	20	12	12	12	*	a	18						10			
19	REFRIGERATOR	#	-	1	20	12	12	12	*	b	20	EWH		-	2	30	10	-	10	*
21	DISHWASHER (GFCI)	#	-	1	20	12	12	12	*	a	22						10			
23	DISPOSAL	#	_	1	20	12	12	12	*	b	24	RANGE		_	2	50	6	6	10	*
25	SMOKE DETECTORS	#	_	1	15	14	14	14	*	a	26						6			
27	SPACE									b	28	SPARE	#		1	15				
29	SPACE									a	30	SPARE	#		1	15				





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5	CU		-	2	20	10	-	10	3/4	a	6	REC/LTG-MASTER BEDRM #	-	1	15	14	14	14	*
7						10				b	8	LTG LIVING/KITCHEN #	-	1	15	14	14	14	*
9	WASHER	#	-	1	20	12	12	12	*	a	10	REC-LIVING RM #	-	1	15	14	14	14	*
11	LAUNDRY	#	-	1	20	12	12	12	*	b	12	LTG EXTERIOR	-	1	20	12	12	12	*
13	RECEPTS-KITCHEN CNTR	#	-	1	20	12	12	12	*	a	14	REC EXTERIOR	-	1	20	12	12	12	*
15	RECEPTS-KITCHEN CNTR	#	-	1	20	12	12	12	*	b	16	DRYER	-	2	30	10	-	10	*
17	MICROWAVE/HOOD	#	-	1	20	12	12	12	*	a	18					10			
19	REFRIGERATOR	#	-	1	20	12	12	12	*	b	20	EWH	-	2	30	10	-	10	*
21	DISHWASHER (GFCI)	#	-	1	20	12	12	12	*	a	22					10			
23	DISPOSAL	#	-	1	20	12	12	12	*	b	24	RANGE	-	2	50	6	6	10	*
25	REC/LTG-BEDRM 3	#	-	1	20	12	12	12	*	a	26					6			
27	SMOKE DETECTORS	#	-	1	20	12	12	12	*	b	28	SPARE		1	15				
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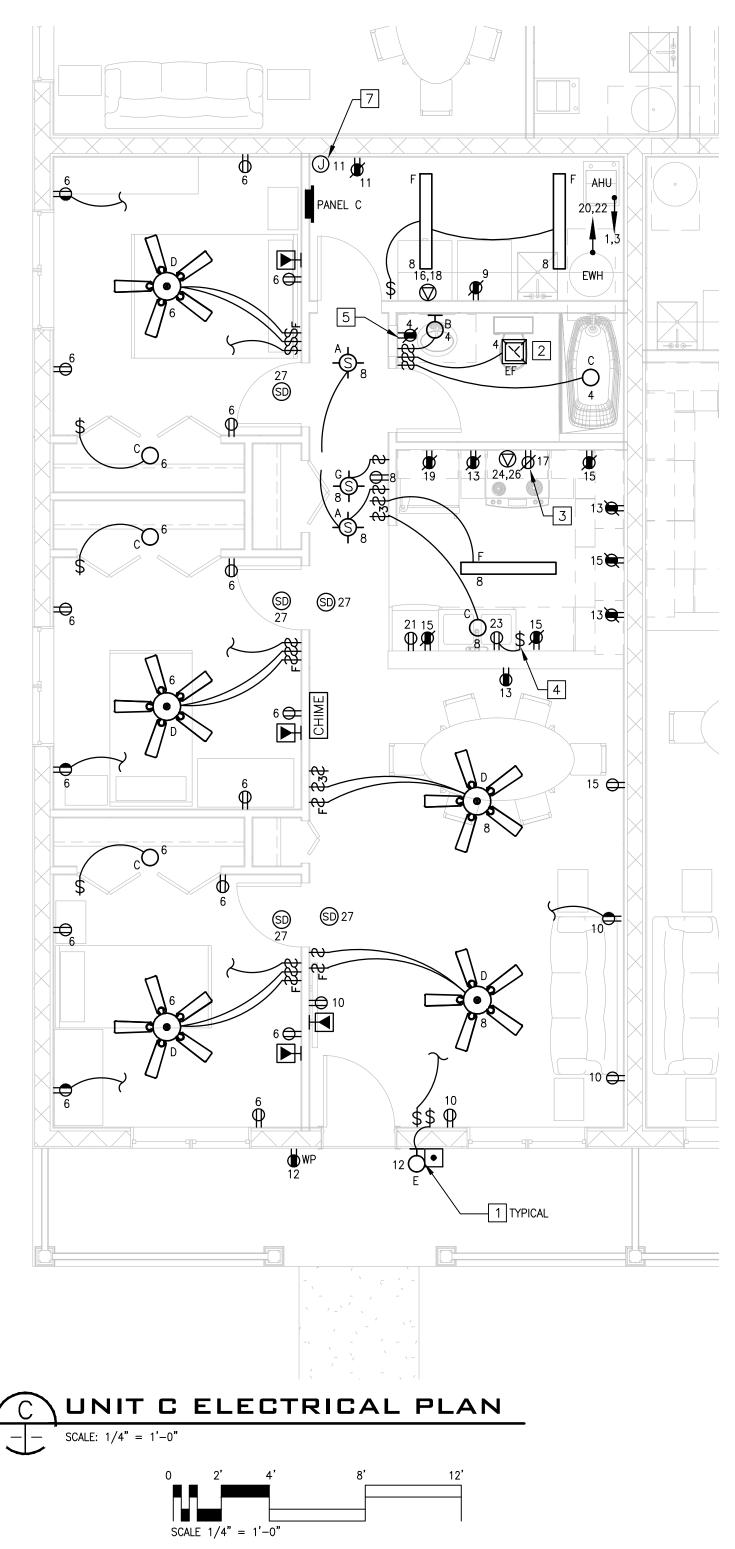


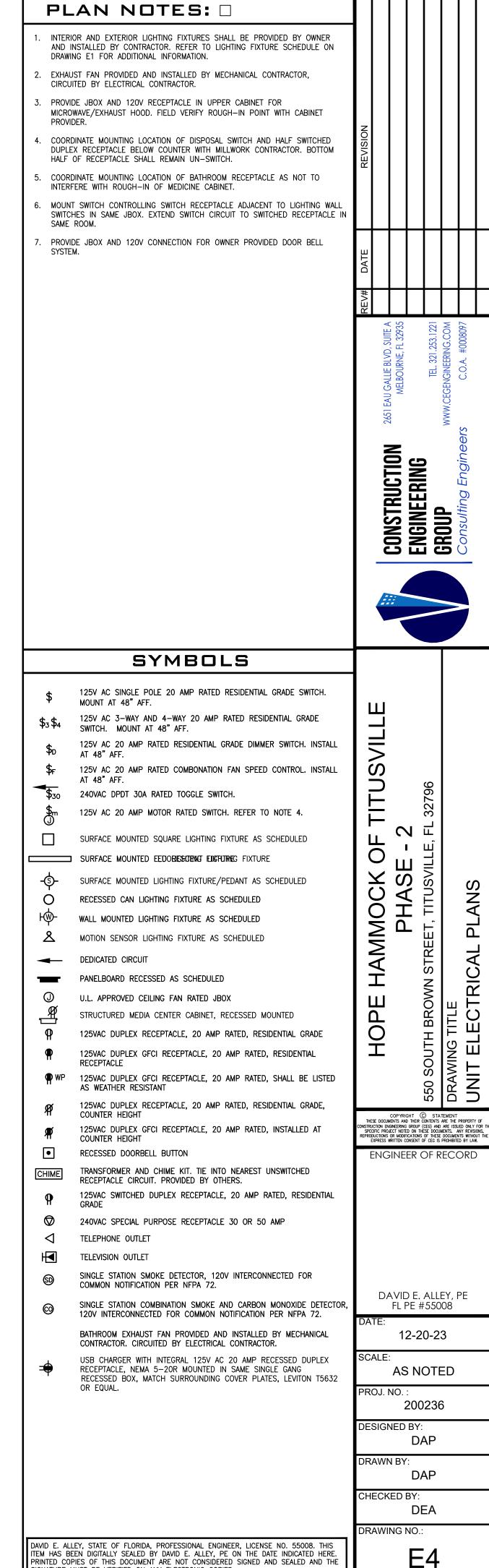


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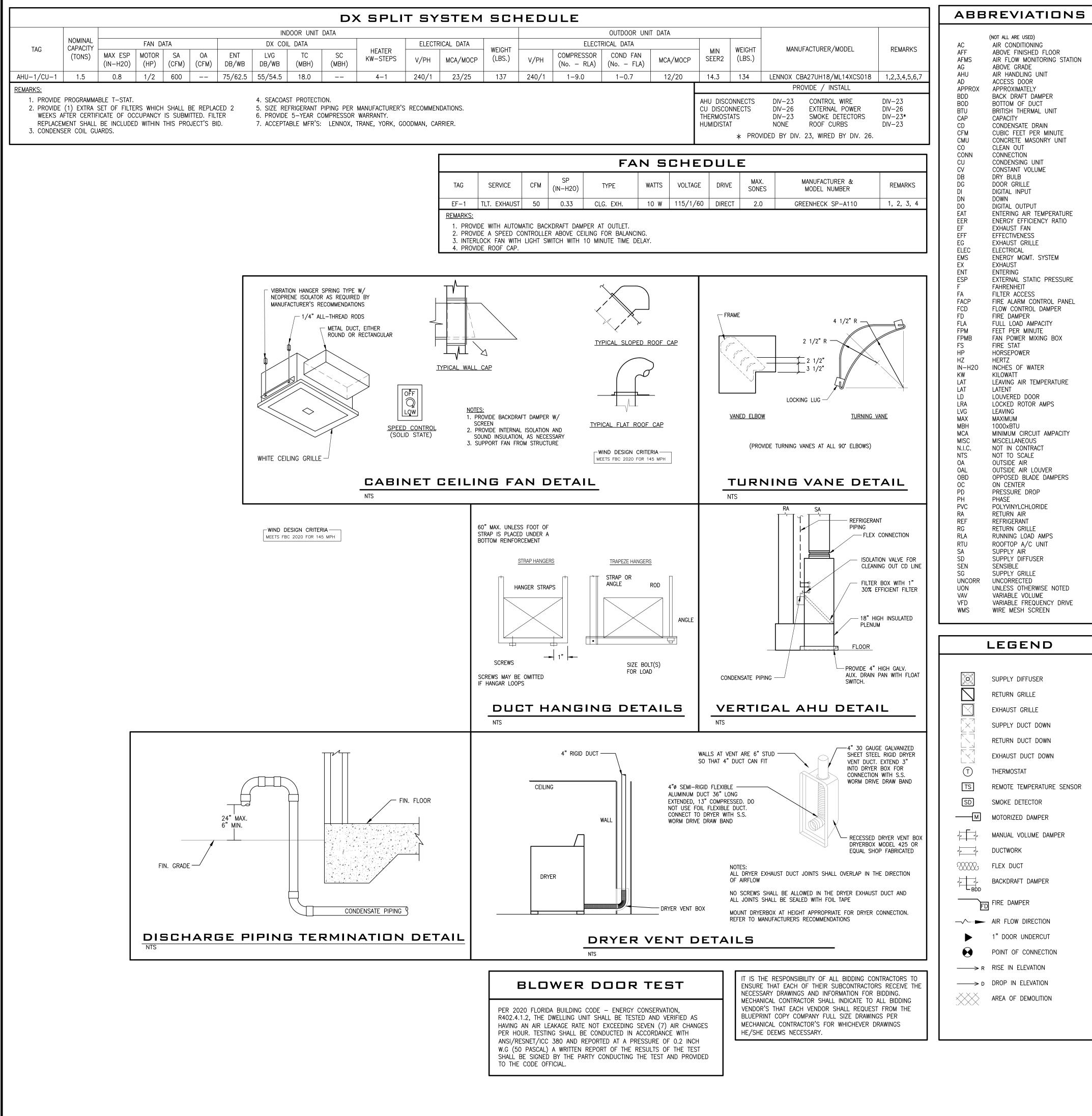
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5	CU		-	2	20	10	-	10	3/4	a	6	REC/LTG-MASTER BEDRM	#	-	1	15	14	14	14	*
7						10				b	8	LTG LIVING/KITCHEN	#	-	1	15	14	14	14	*
9	WASHER	#	-	1	20	12	12	12	*	a	10	REC-LIVING RM	#	-	1	15	14	14	14	*
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23	DISPOSAL	#	-	1	20	12	12	12	*	b	24	RANGE		-	2	50	6	6	10	*
25	REC/LTG-BEDRM 3	#	-	1	20	12	12	12	*	a	26						6			
27	SMOKE DETECTORS	#	-	1	20	12	12	12	*	b	28	SPARE			1	15				
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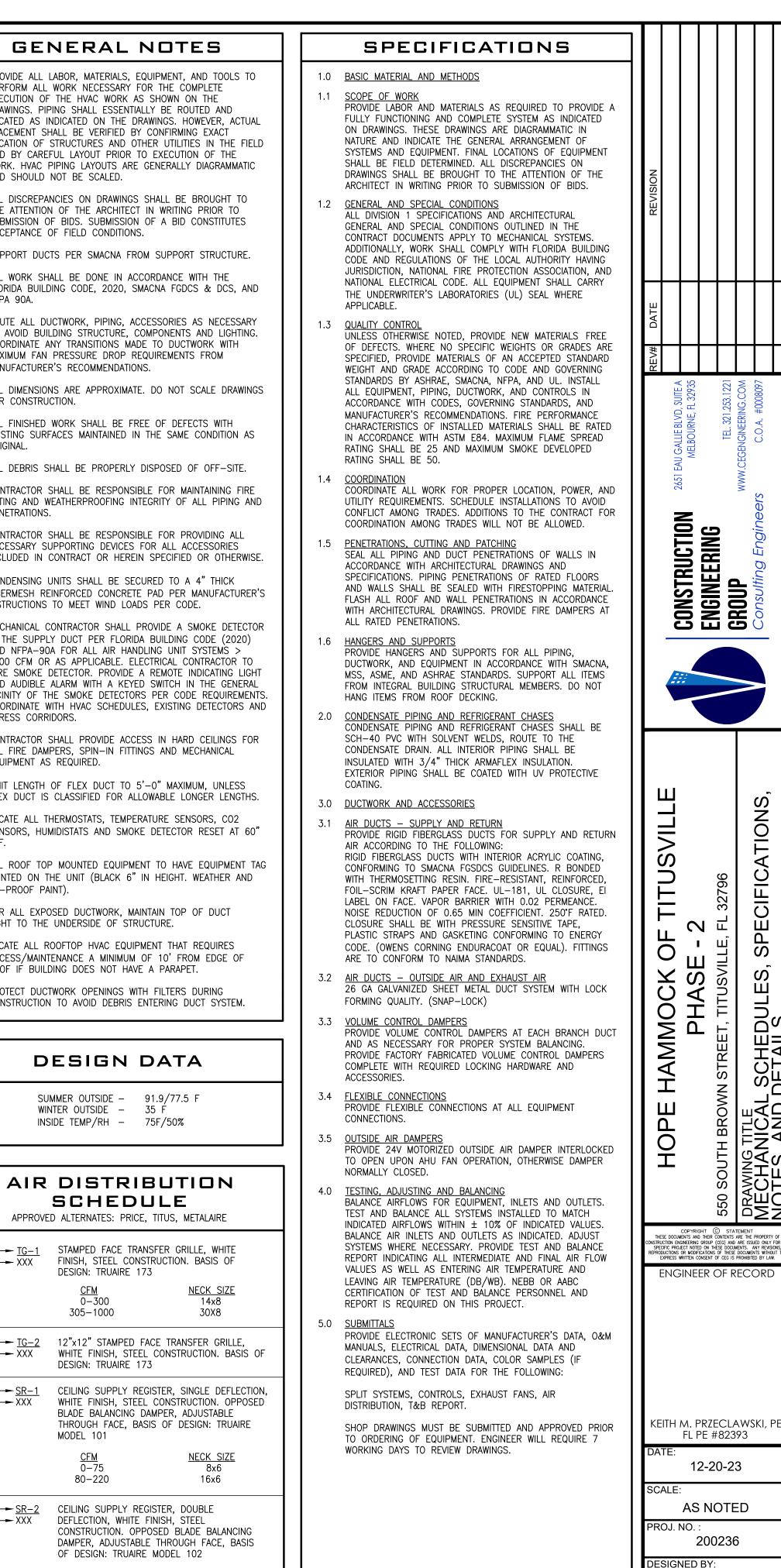


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E4



	REVIAIIUNS			انا
	(NOT ALL ARE USED)		1.	PROVIDE AL
AC AFF	AIR CONDITIONING ABOVE FINISHED FLOOR			PERFORM A
AFMS	AIR FLOW MONITORING STATION			DRAWINGS.
AG AHU	ABOVE GRADE AIR HANDLING UNIT			PLACEMENT LOCATION (
AD APPROX	ACCESS DOOR APPROXIMATELY			AND BY CA WORK. HVA
3DD 3OD	BACK DRAFT DAMPER BOTTOM OF DUCT			AND SHOUL
STU CAP	BRITISH THERMAL UNIT CAPACITY		2.	ALL DISCRE
D	CONDENSATE DRAIN			THE ATTENT
CFM CMU	CUBIC FEET PER MINUTE CONCRETE MASONRY UNIT			ACCEPTANC
CO CONN	CLEAN OUT CONNECTION		3.	SUPPORT D
CU CV	CONDENSING UNIT CONSTANT VOLUME		4.	ALL WORK
)B)G	DRY BULB DOOR GRILLE			FLORIDA BU NFPA 90A.
)I	DIGITAL INPUT		5.	ROUTE ALL
)N)O	DOWN DIGITAL OUTPUT			TO AVOID E
AT ER	ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO			MAXIMUM F
F FF	EXHAUST FAN EFFECTIVENESS			MANUFACTU
G LEC	EXHAUST GRILLE ELECTRICAL		6.	ALL DIMENS
MS	ENERGY MGMT. SYSTEM		7.	ALL FINISHI
IX INT	EXHAUST ENTERING			EXISTING SI ORIGINAL.
SP	EXTERNAL STATIC PRESSURE FAHRENHEIT			
A ACP	FILTER ACCESS FIRE ALARM CONTROL PANEL		8.	ALL DEBRIS
CD D	FLOW CONTROL DAMPER FIRE DAMPER		9.	CONTRACTO RATING ANE
ĹA	FULL LOAD AMPACITY			PENETRATIO
PM PMB	FEET PER MINUTE FAN POWER MIXING BOX		10.	CONTRACTO NECESSARY
rs IP	FIRE STAT HORSEPOWER			INCLUDED I
IZ N-H2O	HERTZ INCHES OF WATER		11.	CONDENSIN
(W AT	KILOWATT LEAVING AIR TEMPERATURE			FIBERMESH INSTRUCTIO
AT	LATENT LOUVERED DOOR		12	MECHANICA
.D .RA	LOCKED ROTOR AMPS		12.	IN THE SUP
.VG /AX	LEAVING MAXIMUM			AND NFPA- 2000 CFM
/IBH /ICA	1000xBTU MINIMUM CIRCUIT AMPACITY			WIRE SMOK
AISC I.I.C.	MISCELLANEOUS NOT IN CONTRACT			VICINITY OF
ITS	NOT TO SCALE			EGRESS CC
)A)AL	OUTSIDE AIR OUTSIDE AIR LOUVER		13.	CONTRACTO
)BD)C	OPPOSED BLADE DAMPERS ON CENTER			ALL FIRE D
PD PH	PRESSURE DROP PHASE		14.	LIMIT LENG
PVC RA	POLYVINYLCHLORIDE RETURN AIR			FLEX DUCT
REF RG	REFRIGERANT RETURN GRILLE		15.	LOCATE ALL
RLA	RUNNING LOAD AMPS			SENSORS, AFF.
rtu Sa	ROOFTOP A/C UNIT SUPPLY AIR		16.	ALL ROOF
SD SEN	SUPPLY DIFFUSER SENSIBLE			PAINTED ON
SG	SUPPLY GRILLE UNCORRECTED		47	
JON	UNLESS OTHERWISE NOTED VARIABLE VOLUME		17.	FOR ALL EX TIGHT TO T
/AV /FD	VARIABLE FREQUENCY DRIVE		18.	LOCATE ALL
VMS	WIRE MESH SCREEN			ACCESS/MA ROOF IF BU
			19	PROTECT D
I	EGEND			CONSTRUCT
	SUPPLY DIFFUSER			
	RETURN GRILLE			
	EXHAUST GRILLE			
	SUPPLY DUCT DOWN			
	RETURN DUCT DOWN			
	EXHAUST DUCT DOWN			AII
(T)	THERMOSTAT			
TS	REMOTE TEMPERATURE SENSOR			APPR
SD	SMOKE DETECTOR		TAG — AIRFLO	$\overline{W} \xrightarrow{F} \underline{TG}$
M	MOTORIZED DAMPER			
	MANUAL VOLUME DAMPER			
	DUCTWORK			
	FLEX DUCT		TAG -	
			AIRFLO	$W \longrightarrow \overline{XXX}$
	BACKDRAFT DAMPER			
FD	FIRE DAMPER		TAG — AIRFLO	<u>→</u> <u>SR−1</u> ₩ → XXX
FD				~~~~
	AIR FLOW DIRECTION			
	1" DOOR UNDERCUT			
	POINT OF CONNECTION			
> R	RISE IN ELEVATION			
> D	DROP IN ELEVATION		TAG — AIRFLO	₩ <u> SR-2</u> ₩ XXX
\times	AREA OF DEMOLITION			
$\times \times \times$				
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NECK SIZE 10x8 <u>CFM</u> 100-130

> KEITH M. PRZECLAWSKI. STATE OF FLORIDA. PROFESSIONAL ENGINEER, LICENSE NO. 82393 THIS ITEM HAS BEEN DIGITALLY SEALED BY KEITH M. PRZECLAWSKI, PE ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

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NATURAL VENTILATION CALCULATION

TYPICAL UNIT

UNIT FLOOR AREA: 952 SF

MIN. VENTILATION AREA: 38 SF (UNIT AREA x 4%)

ACTUAL VENTILATION AREA: 82.0 SF (OPERABLE OPENING AREA)

NATURAL VENTILATION CALCULATIONS BASED ON FLORIDA MECHANICAL CODE CHAPTER 4, SECTION 402

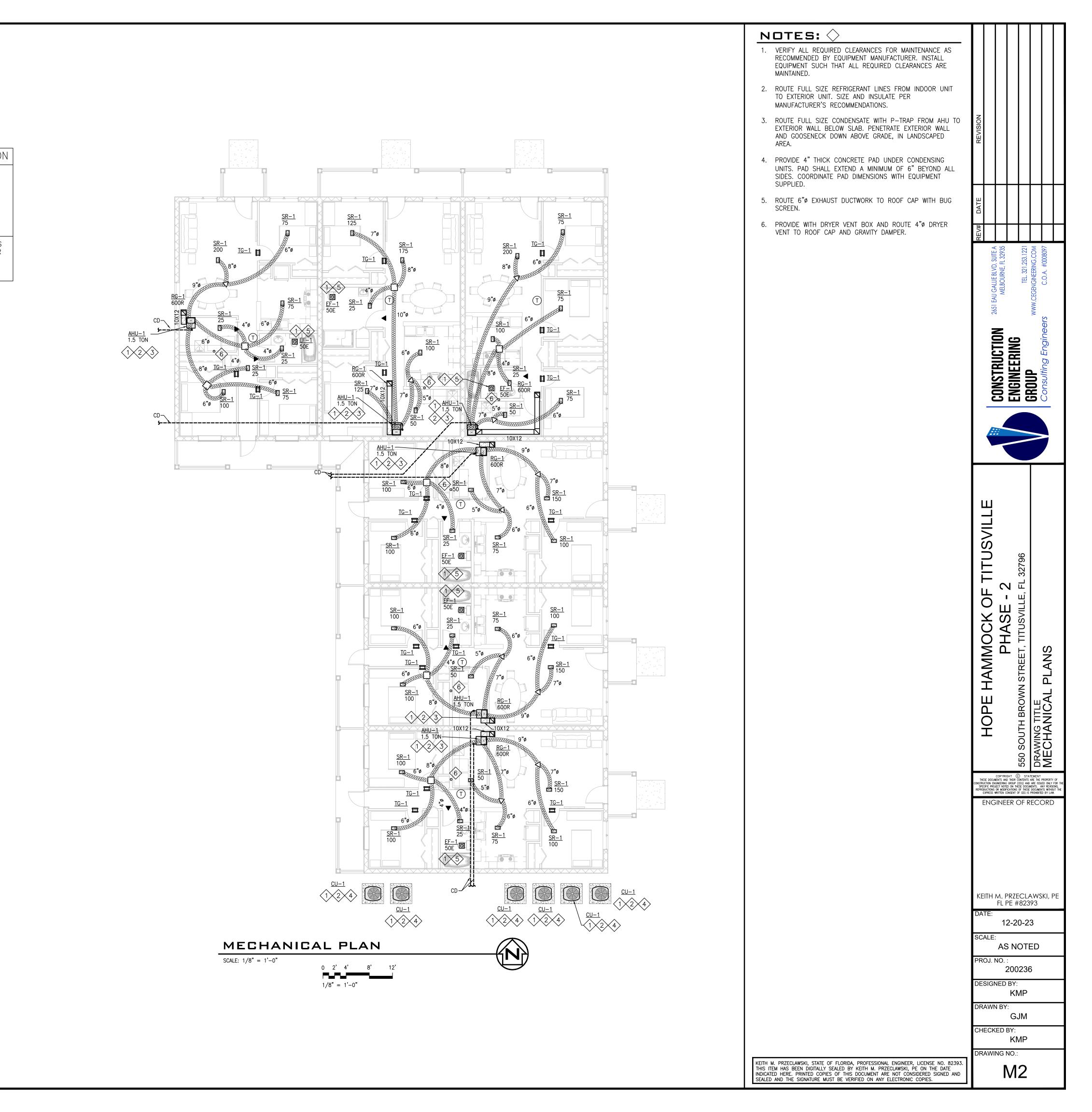
DRYER VENT LENGTH CALCULATION

TYPICAL UNIT

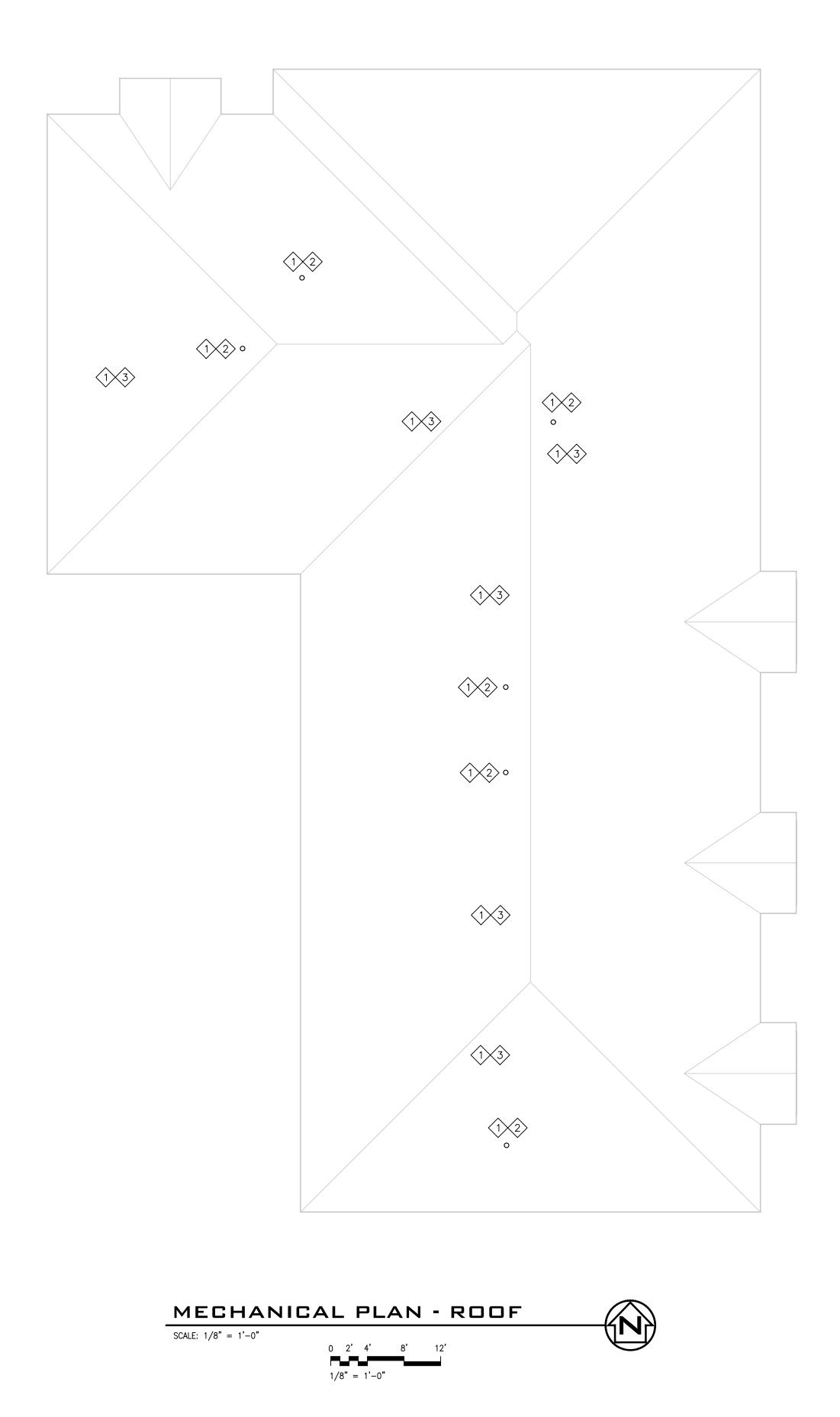
HORIZONTAL LENGTH: 0 FT VERTICAL LENGTH: 16 FT 90° ELBOWS (5 FT EQUIVALENT LENGTH): 5 FT 45° ELBOWS (2.5 FT EQUIVALENT LENGTH): 0 FT

TOTAL EQUIVALENT LENGTH: 21 FT

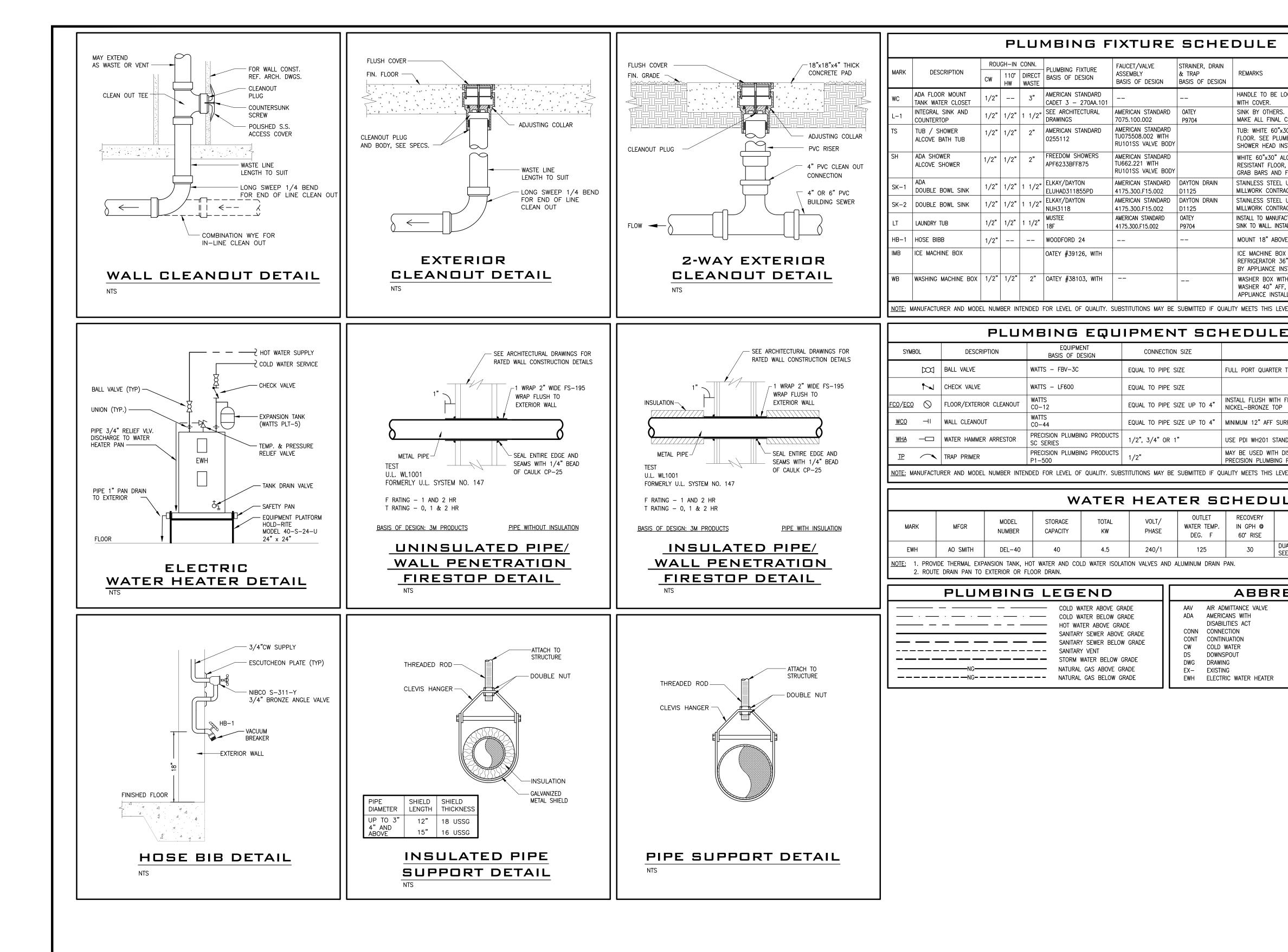
IF DRYER VENT TOTAL EQUIVALENT LENGTH EXCEEDS THE CODE MAXIMUM LENGTH OF 35 FT, ANY DRYER CONNECTION TO THE BUILDING EXHAUST SYSTEM SHALL BE REQUIRED TO MEET ITS MANUFACTURERS REQUIRED ALLOWABLE MAXIMUM LENGTH





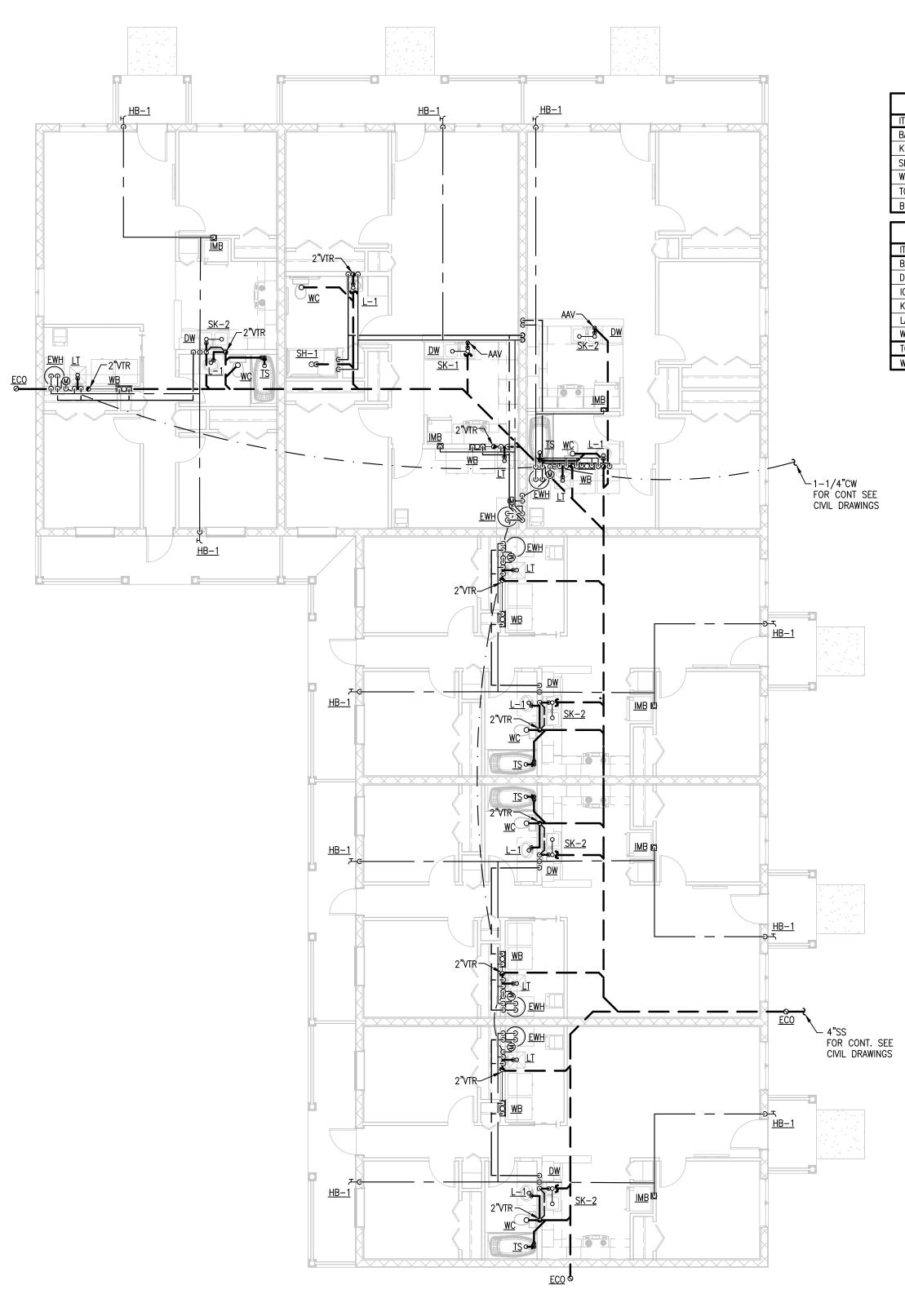


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	Image: Non-State StateConstruction2651 EAU GALLE BLVD, SUITE A MELBOURNE, FL 32935Image: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateImage: Non-State
	HOPE HAMMOCK OF TITUSVILLE HOPE HAMMOCK OF TITUSVILLE PHASE - 2 BHASE - 2 So South Brown Street, titusville, FL 32796 TITUSVILLE, FL 32796 DRAWING TITLE MECHANICAL PLANS - ROOF
	KEITH M. PRZECLAWSKI, PE FL PE #82393 DATE: 12-20-23 SCALE: AS NOTED PROJ. NO. : 200236 DESIGNED BY: KMP DRAWN BY: GJM CHECKED BY: KMP DRAWING NO.:
KEITH M. PRZECLAWSKI, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 82393. THIS ITEM HAS BEEN DIGITALLY SEALED BY KEITH M. PRZECLAWSKI, PE ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	M3



		PLUMBING GENERAL NOTES AND SPECIFICATIONS	
OCATED ON WIDE SIDE OF TOILET. 5321.11	10 SEAT	 PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND TOOLS TO PERFORM ALL WORK NECESSARY FOR THE COMPLETE EXECUTION OF THE PLUMBING WORK AS SHOWN ON THE DRAWINGS. PIPING SHALL ESSENTIALLY BE ROUTED AND LOCATED AS INDICATED ON THE DRAWINGS. HOWEVER, ACTUAL PLACEMENT SHALL BE VERIFIED BY CONFIRMING EXACT LOCATION OF STRUCTURES AND OTHER UTILITIES IN THE FIELD 	
PROVIDE COMPLETE FAUCET INSTALLATION CONNECTIONS TO SINK.		AND BY CAREFUL LAYOUT PRIOR TO EXECUTION OF THE WORK. PLUMBING DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOULD NOT BE SCALED.	
30" ALCOVE TUB WITH TILE FLANGE AND A IBING PLANS FOR DRAIN LOCATION. STALLED AT 7'2" ABOVE FINISHED FLOOR.	NTI-SLIP	 PROVIDE WORK NOT SPECIFICALLY SHOWN OR SPECIFIED, YET REQUIRED FOR PROPER AND COMPLETE OPERATIONS OF ALL SYSTEMS AND TO SATISFY THE DESIGN INTENT. COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. 	EVISION
COVE SHOWER SYSTEM WITH TILE FLANGE , CENTER DRAIN LOCATION. PROVIDE FACTO FOLDING SHOWER BENCH. UNDER-MOUNT SINK. COORDINATE INSTALL	ORY INSTALLED	3. LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED UNDER THE PLUMBING CONTRACTORS' SCOPE OF WORK SHALL BE PERFORMED BY EXPERIENCED MECHANICS OF THE PROPER TRADE AND ALL WORKMANSHIP SHALL BE FIRST CLASS AND SHALL BE IN COMPLIANCE WITH THE SPECIFIC REQUIREMENTS OF	RE
ACTOR. NO ESCUTCHEON PLATE AT FAUCET UNDER-MOUNT SINK. COORDINATE INSTALL	_ation_with	THE CONTRACT DRAWINGS. 4. ALL DISCREPANCIES ON DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ADDUITEOT IN WRITING DRIVE TO SUBMISSION OF DRESS SUBMISSION OF A DRE	
ACTOR. NO ESCUTCHEON PLATE AT FAUCET CTURERS REQUIREMENTS, PROVIDE FLOOR KIT AI ALL FAUCET AS LISTED.		ARCHITECT IN WRITING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID CONSTITUTES ACCEPTANCE OF FIELD CONDITIONS.5. SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, MOUNTING	ш
E FINISHED FLOOR. SEE DETAIL FOR ISOLA		HEIGHTS, DIMENSIONS AND ADDITIONAL REQUIREMENTS NOT COVERED ON THESE DRAWINGS.	DATI
(WITH WATER HAMMER ARRESTOR MOUNTE "AFF FINAL CONNECTION AND SUPPLY LII STALLER. "H WATER HAMMER ARRESTOR MOUNTED BE	ne provided Ehind	 ALL WORK SHALL BE IN ACCORDANCE WITH, BUT NOT LIMITED TO, THE LATEST ADOPTED EDITION OF THE FOLLOWING CODES AND STANDARDS: FLORIDA BUILDING CODE, (FBC); NATIONAL FIRE PROTECTION ASSOCIATION (NEDA). 	EA 935 221 0M 097
, FINAL CONNECTION AND SUPPLY LINES F	PROVIDED BY	NATIONAL FIRE PROTECTION ASSOCIATION, (NFPA); AMERICANS WITH DISABILITIES ACT, (ADA); AMERICAN SOCIETY OF MECHANICAL ENGINEERS, (ASME);	LIE BLVD, SUITE A SOURNE, FL 32935 TEL. 321.253.1221 GINEERING. COM C.O.A. #0008097
EL.		AMERICAN SOCIETY FOR TESTING AND MATERIALS, (ASTM); AMERICAN NATIONAL STANDARDS INSTITUTE, (ANSI); UNDERWRITERS LABORATORIES, (UL);	SAI NELE
	SUBMITTAL	ALL LOCAL CODES, ORDINANCES, REGULATIONS; THE AUTHORITY HAVING JURISDICTION.	
REMARKS TURN	REQUIRED	7. CONTRACTOR SHALL OBTAIN AND FURNISH ALL PERMITS, AND ARRANGE FOR ALL REQUIRED INSPECTIONS.	
	NO	 CONTRACTOR SHALL INSPECT THE SITE FOR FIELD VERIFICATION OF ALL ASPECTS OF THE PROJECT PRIOR TO BIDDING. CONTRACTOR SHALL COOPDINATE ALL WORK WITH OTHER TRADES 	CTION RING <i>Engineers</i>
FINISHED FLOOR OR GRADE ROUND	YES	 CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES. ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES. PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL 	CONSTRUCTIO ENGINEERING GROUP Consulting Engin
RFACE, PROVIDE COVER AND BRASS SCREW		PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL FINISHES. PIPING IN MECHANICAL ROOMS MAY BE EXPOSED.	
DARDS DISTRIBUTION BLOCK	YES	 CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS. CONTRACTOR SHALL INSTALL DIFLECTRIC LINIONS AT CONNECTIONS OF DISSIMILAR 	
PRODUCTS MODEL DU-4	YES	 CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS. DO NOT PENETRATE WALL EQUILINGS WITH PIPING. COORDINATE WITH CENERAL 	
LE		13. DO NOT PENETRATE WALL FOOTINGS WITH PIPING. COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES. WHERE ABSOLUTELY NECESSARY, ALL PIPING PENETRATING BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY THE STRUCTURAL ENGINEER.	
REMARKS		 CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT, OR HEREIN SPECIFIED, OR OTHERWISE. 	
IAL ELEMENT NON-SIMULTANEOUS OPERATI E DETAIL FOR ADDITIONAL INSTALLATION RE		15. WALL BRACKETS, HANGERS, SUPPORTS, ETC. SHALL BE PROVIDED WHERE REQUIRED IN ACCORDANCE WITH THE BEST STANDARD PRACTICE OF THE TRADE AND AS PER CODE. ADDITIONAL SUPPORTS SHALL BE PROVIDED TO TRANSMIT LOADS TO THE MAIN STRUCTURE WHERE REQUIRED. ALL EXPOSED SUPPORTS SHALL BE HOT DIPPED	Ш
		GALVANIZED OR FIBERGLASS REINFORCED "UNISTRUT" TYPE INCLUDING HARDWARE. MAXIMUM HORIZONTAL SPACING: CAST IRON 5'-0" ON CENTER (10' PIPE LENGTHS MAY BE 10'-0" SPACING)	
F DEGREES FAHRENHEIT		COPPER 6'-0" ON CENTER FOR $1-1/4$ " AND SMALLER 10'-0" ON CENTER FOR $1-1/2$ " AND LARGER CPVC 3'-0" ON CENTER FOR $1/2$ " THRU 1"	TITUSVILL - 32796
GPM GALLONS PER MINUTE HR HOUR HW HOT WATER		4'-0" ON CENTER FOR $1-1/4"$ AND LARGER PVC $4'-0"$ ON CENTER	
NTS NOT TO SCALE PD PUMP DRAIN SS SANITARY SEWER		16. STORM DRAIN, CONDENSATE DRAIN, SANITARY WASTE AND VENT PIPING SHALL BE COLLECTED AND TERMINATED AT A POINT SHOWN ON THE DRAWINGS. PIPING SHALL	
T&P TEMPERATURE & PRESSU TYP TYPICAL	JRE	BE SCHEDULE 40 TYPE DWV PVC WITH SOLVENT WELD JOINTS, EXCEPT FOR RETURN AIR PLENUM AREAS WHERE SERVICE WEIGHT CAST IRON PIPE WITH HUB AND SPIGOT FITTINGS OR PVC PIPING WITH 1" THICK FIRE WRAP INSULATION SEALED TO PROVIDE	О Г - 2
V VENT		FS/SD = 25/50 SHALL BE USED. FIRE WRAP INSULATION SHALL BE 5A FIRE BARRIER PLENUM WRAP BY 3M OR APPROVED EQUIVALENT.	
		17. ALL DRAINAGE PIPING 3" AND LARGER SHALL HAVE A MINIMUM SLOPE OF ½" PER FOOT, PIPING 2-½" AND SMALLER SHALL HAVE A MINIMUM SLOPE OF ¼" PER FOOT UNLESS OTHERWISE NOTED.	
		18. VENT PIPING SHOWN ON FLOOR PLANS IS ONLY INDICATIVE EXCEPT FOR VTR LOCATIONS.	
		19. BUILDING DOMESTIC WATER PIPING (ABOVE FLOOR) SHALL BE CPVC PLASTIC PIPE AND FITTINGS. PROVIDE TRANSITION FITTINGS AS REQUIRED TO INSTALL VALVES,	IAMMOCK PHAS STREET, TITUS ECIFICATIO
		FIXTURE STOPS, EQUIPMENT AND OTHER COMPONENTS. PIPE AND FITTINGS SHALL CONFORM TO ASTM-1784. ALL EXPOSED PIPING SHALL BE TYPE L HARD COPPER TUBE PAINTED TO MATCH. ALL HOT WATER, TEMPERED WATER AND HOT WATER	
		RETURN PIPE AND FITTINGS SHALL BE COVERED IN 1" THICK ELASTOMERIC INSULATION WITH ALL SEAMS AND JOINTS SEALED TIGHT.	PE F BROWN IG SPI I ES A
		20. ALL MATERIALS PROVIDED BY THE CONTRACTOR SHALL BE NEW AND FREE OF DEFECTS AND SHALL BE UL LISTED FOR THE INTENDED APPLICATION.	
		 ALL HAND SINKS AND LAVATORIES SHALL BE PROVIDED WITH TEMPERED WATER AND TEMPERATURE SET TO 110°F MAXIMUM. HOT AND COLD WATER SUPPLY PIPING AND DRAIN PIPING UNDER HANDICAPPED 	ll ∽l≥⊃∓
		22. HOT AND COLD WATER SUPPLY PIPING AND DRAIN PIPING UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED PER AMERICANS WITH DISABILITIES ACT, WITH FACTORY FABRICATED SEAMLESS MICROBIAL PVC RESIN INSULATION.	SCC SCC SCC
		23. VALVES AND FITTINGS SHALL BE OF SAME SIZE AS LINE IN WHICH THEY ARE INSTALLED.	COPYRIGHT C STATEMENT THESE DOCUMENTS AND THEIR CONTENTS ARE THE PROPERTY OF CONSTRUCTION ENGINEERING GROUP (CCG) AND ARE ISSUED ONLY FOR TH SPECIFIC PROJECT NOTED ON THESE DOCUMENTS. ANY REVISIONS, REPRODUCTIONS OF MODIFICATIONS OF THESE DOCUMENTS WITHOUT THE EXPRESS WRITENE CONSENT OF CCG IS PROHIBIED BY LAW.
		24. INSTALL WATER HAMMER ARRESTORS AT EACH FIXTURE, OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER HAMMER ARRESTORS	ENGINEER OF RECORD
		AS SPECIFIED. 25. ALL WATER SUPPLY AND DRAINAGE LINES SHALL BE INSTALLED AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGE IN SIZING.	
		26. BALL VALVES ¼" THROUGH 2" SHALL BE TWO PIECE — 600 WOG, TEFLON SEATS, ANSI 316 STAINLESS STEEL BALL AND STEM (EXTENSION STEM ON INSULATED HOT	
		WATER AND TEMPERED HOT WATER), BRONZE BODY WITH THREADED OR SOLDER ENDS.	
			KEITH M. PRZECLAWSKI, PE FL PE #82393
			DATE: 12-20-23
			SCALE:
			AS NOTED PROJ. NO. :
			200236
			DESIGNED BY: WHB
			DRAWN BY: WHB
			CHECKED BY: KMP
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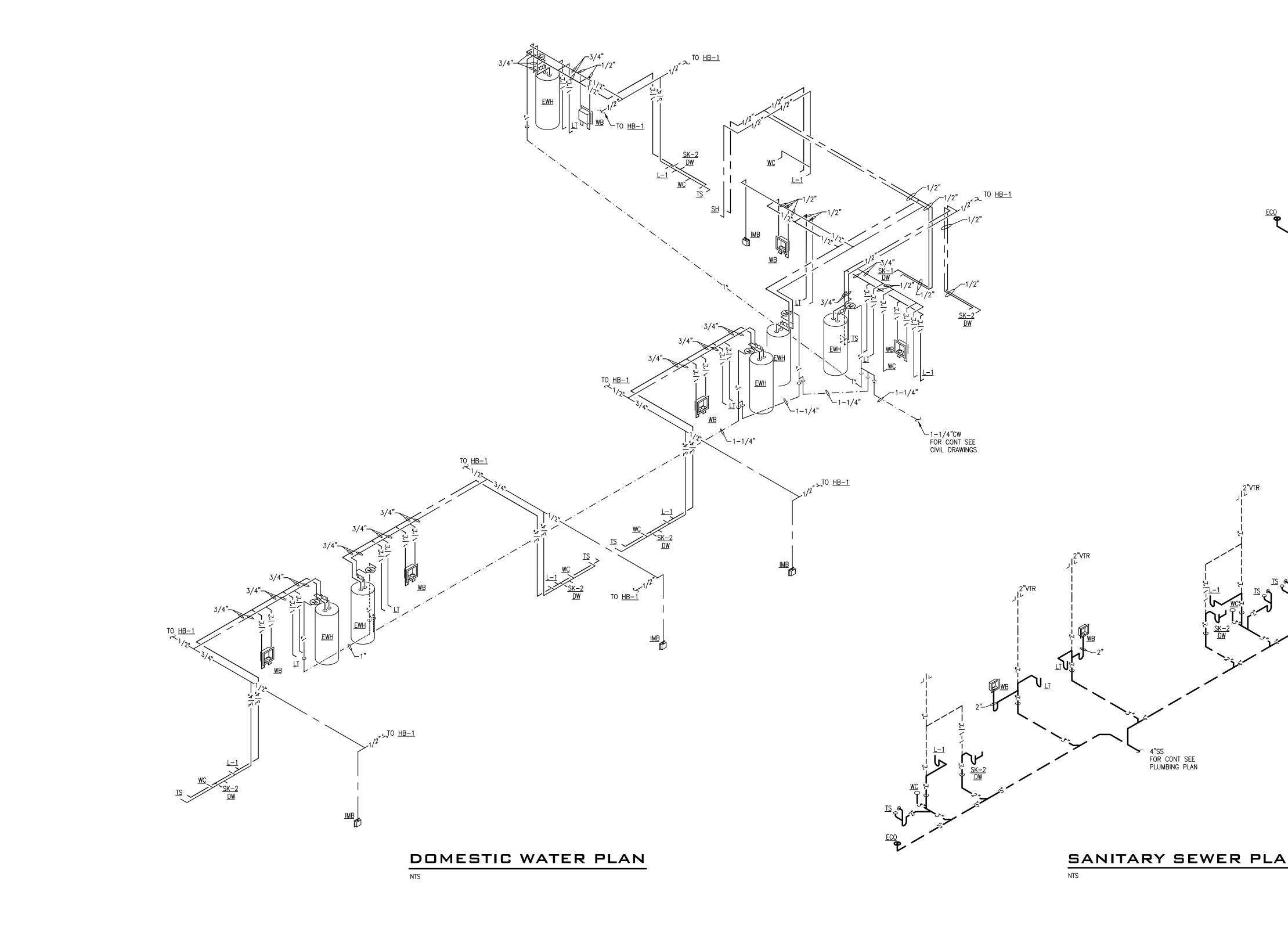


PLUMBING PLAN

SCALE: 1/8" = 1'-0"

DFU CALCUI	_A1	101	Z
ITEM	QTY	DFU	SUM
BATHROOM GROUP - 1.6 WATER CLOSET	6	5.0	30.0
KITCHEN SINK - DOMESTIC	6	2.0	12.0
SINK	6	2.0	12.0
WASHING MACHINE - RESIDENTIAL	6	2.0	12.0
TOTAL DFU			66.0
			4.19
BUILDING SEWER	t t	PIPE SIZE	= 4
BUILDING SEWER	ł	PIPE SIZE	= 4
WSFU CALCU			
WSFU CALCU	ILA	тіо	N
WSFU CALCU		WSFU	N SUM
WSFU CALCU ITEM BATHROOM GROUP - FLUSH TANK	QTY 6	WSFU 3.6	SUM 21.6
WSFU CALCU ITEM BATHROOM GROUP - FLUSH TANK DISHWASHING MACHINE	QTY 6 6	WSFU 3.6 1.4	SUM 21.6 8.4
WSFU CALCU ITEM BATHROOM GROUP – FLUSH TANK DISHWASHING MACHINE ICE MACHINE	QTY 6 6 6	WSFU 3.6 1.4 0.25	N 21.6 8.4 1.5
WSFU CALCU ITEM BATHROOM GROUP – FLUSH TANK DISHWASHING MACHINE ICE MACHINE KITCHEN SINK – PRIVATE	QTY 6 6 6 6	WSFU 3.6 1.4 0.25 1.4	SUM 21.6 8.4 1.5 8.4
WSFU CALCU ITEM BATHROOM GROUP – FLUSH TANK DISHWASHING MACHINE ICE MACHINE KITCHEN SINK – PRIVATE LAUNDRY SINK – PRIVATE	QTY 6 6 6 6 6	WSFU 3.6 1.4 0.25 1.4 1.4	SUM 21.6 8.4 1.5 8.4 8.4 8.4

FLI CALCULATION OTY DEU SUM 4 GROUP - 1.6 WATER CLOSET 6 5.0 30.0 SINK - DOMESTIC 6 2.0 12.0 MACHINE - RESIDENTIAL 6 2.0 12.0 MACHINE - RESIDENTIAL 6 2.0 12.0 MACHINE - RESIDENTIAL 6 2.0 12.0 M GROUP - FLUSH TANK 6 3.6 21.5 ING MACHINE 6 1.4 8.4 ING - PRIVATE 6 1.4 8.4 SINK - PRIVATE 6 1.4 8.4 SINGENCE PIPE GPM = 30 PIPE SIZE = 1-1/4* <th>Image: Market Market</th>	Image: Market
	A DECAMPACIÓN OF TITUSVILLE HOPE HAMMOCK OF TITUSVILLE PARA OF TITUSVILLE DEPARE - 2 SEO SOUTH BROWN STRET, TITUSVILLE, FL 32796 DEAMING TITU DRAING TITUS DEDMING TITUS DEDMING TITUS DEDMING TITUS DEDMING TITUS DEDMING TITUS DEDMING TITUS DEDMING TITUS DEDMING TITUS
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AND	REV# DATE REV# DATE REVISION CONSTRUCTION 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 REV# DATE REVISION CONSTRUCTION 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 REV# REVISION ENGINEERING 2600 TEL. 321 253.121 MELBOURNE, FL 32935 MELBOURNE, FL 32935 MELBOURNE, FL 32935 Consulting ENGINE CO.A. #0008097 MELBOURNE, CO.A. #0008097 MELBOURNE, CO.A. #0008097 MELBOURNE, CO.A. #0008097
AN	HOPE HAMMOCK OF TITUSVILLE HOPE HAMMOCK OF TITUSVILLE PHASE - 2 BHASE - 2 S50 SOUTH BROWN STREET, TITUSVILLE, FL 32796 550 SOUTH BROWN STREET, TITUSVILLE, FL 32796 DRAWING TITLE DRAWING TITLE PLUMBING ISOMETRICS
KOTH M. PRZECIAMSKI, STATE OF FLORIDA. PROFESSIONAL ENGINEER, LICENSE NO. 82303. THIS ITEM HAS BEEN DIGITALLY STALED BY KOTH M. PRZECIAMSKI, PE ON THE DIZE INDRATE DHERE. PINNTED COPIES OF THE DOCUMENT ARE NOT CONSIDERED SIGNED AND ISDRATE DHE THE DISTRICT MUST BE VERIFIED ANY ELECTRONE COPIES	REPRODUCTIONS OR HODFITCATIONS OF THESE DOCUMENTS WITHOUT THE ENGINEER OF RECORD KEITH M. PRZECLAWSKI, PE FL PE #82393 DATE: 12-20-23 SCALE: AS NOTED PROJ. NO. : 200236 DESIGNED BY: WHB DRAWN BY: WHB CHECKED BY: KMP DRAWING NO.: P3

GENERAL

- 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH FABRICATION AND CONSTRUCTION.
- 2. DESIGN WIND LOADS IS IN ACCORDANCE WITH 2020 FLORIDA BUILDING CODE 7TH EDITION AND ASCE 7-16 USING THE FOLLOWING CRITERIA:
- a. STRUCTURAL CATEGORY = II

b. BASIC WIND SPEED

- = 150 MPH
 - = 1.00
- c. IMPORTANCE FACTOR d. EXPOSURE CATEGORY
 - = B
- e. INTERNAL PRESSURE COEFF. = +/-0.18 (ENCLOSED CONDITION)
- f. MEAN ROOF HEIGHT = 15.0 FT
- 3. COMPONENTS AND CLADDING PRESSURES:
- (SEE TABLE THIS DRAWING)

ALL OPENINGS WILL BE REQUIRED TO BE PROTECTED WITH IMPACT-RESISTANT MATERIAL RATED BY THE MANUFACTURER TO EXCEED THE ABOVE PRESSURES.

- 4. ROOF TILES SHALL COMPLY WITH PROVISIONS OF ASTM C1492 OR ASTM C1167-11 AND SECTION 1504 OF THE FLORIDA BUILDING CODE.
- 5. SUPERIMPOSED DESIGN LOADS
- a. ROOF TOP CHORD LIVE = 20 PSF
- b. ROOF BOTTOM CHORD LIVE = 0 PSF
- c. ROOF TOP CHORD DEAD = 15 PSF
- d. ROOF BOTTOM CHORD DEAD = 10 PSF

6. ALL DETAILS APPLY TO SIMILAR SITUATIONS UNLESS SPECIFICALLY NOTED OTHERWISE ELSEWHERE

FOUNDATIONS

- 1. ASSUMPTIVE DESIGN NET SOIL BEARING PRESSURE FOR SPREAD FOOTINGS IS 2000 PSF. THIS SHALL BE VERIFIED BY AN INDEPENDENT TESTING LABORATORY PRIOR TO INSTALLING FOUNDATIONS.
- 2. COMPACT SOILS AT BOTTOM OF FOOTINGS AND SLABS TO 95% OF MAXIMUM DENSITY PER ASTM D1557.

CONCRETE

- 1. DESIGN, MATERIAL, WORKMANSHIP, AND PREPARATION OF DETAILED FABRICATION AND PLACING DRAWINGS SHALL BE IN ACCORDANCE WITH CURRENT EDITIONS OF ACI 318, ACI SP-66, ACI SP-4, AND THE CRSI HANDBOOK.
- 2. ALL CONCRETE SHALL DEVELOP THE FOLLOWING COMPRESSIVE STRENGTHS AT 28 DAYS. UNLESS OTHERWISE NOTED:
- a. SLABS AND FOUNDATIONS 2500 PSI
- b. BEAMS AND FILLED CELLS 3000 PSI
- 3. SLUMP JUST PRIOR TO PLACING SHALL BE THE FOLLOWING (PLUS OR MINUS ONE INCH)
- a. SLABS ON GRADE: 4 INCHES
- b. FOUNDATIONS: 4 INCHES
- c. FILLED CELLS: 8 INCHES
- d. OTHER CONCRETE: 4 INCHES
- 4. ALL CONCRETE SHALL BE PLACED IN THE DRY. NO CONCRETE SHALL BE PLACED LATER THAN 90 MINUTES AFTER MIXING HAS BEGUN. DEPOSIT CONCRETE IN ITS FINAL POSITION WITHOUT SEGREGATION AND REHANDLING.
- 5. REINFORCING STEEL BARS SHALL BE DEFORMED AND CONFORM TO THE LATEST REQUIREMENTS OF ASTM A615 GRADE 60, U.O.N.
- 6. REINFORCING BARS ARE CONTINUOUS UNLESS OTHERWISE NOTED. WHERE NECESSARY, MINIMUM LAP SPLICES FOR REINFORCING BARS SHALL BE 40 BAR DIAMETERS.
- 7. CONCRETE SLAB ON GRADE TO BE REINFORCED WITH 6X6 W2.9XW2.9 WELDED WIRE FABRIC.
- 8. ALL REINFORCING STEEL SHALL HAVE THE FOLLOWING MINIMUM CLEAR CONCRETE COVER:
- a. CAST AGAINST AND PERMANENTLY TO EARTH = 3 INCHES
- = 1 $\frac{1}{2}$ INCHES b. STIRRUPS IN BEAMS
- c. ALL OTHER CONDITIONS = 2 INCHES
- 9. AT DISCONTINUOUS ENDS OF BEAMS AND SLABS, TOP BARS SHALL TERMINATE IN A STANDARD ACI HOOK, UNLESS OTHERWISE NOTED.
- 10. AT OUTSIDE CORNERS OF CONCRETE BEAMS AND FOOTINGS PROVIDE #4x4'-0" LONG CORNER BARS IN EACH FACE AT SAME SPACING AS HORIZONTAL REINFORCING, U.O.N.
- 11. PROVIDE DOWELS IN FOOTINGS OF SAME QUANTITY AND SIZE AS VERTICAL WALL REINFORCING. BOTTOM DOWELS SHALL HAVE A STANDARD ACI HOOK.
- 12. CHAMFER ALL EXPOSED CONCRETE EDGES $\frac{3}{4}$ INCHES x 45 DEGREES.
- 13. PATCH ALL DEFECTIVE AREAS OF CONCRETE WITH CEMENT GROUT.

REINFORCED MASONRY

- 1. CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT WITH A NET AREA COMPRESSIVE STRENGTH OF fm=1500 PSI.
- 2. USE TYPE "M" OR "S" MORTAR IN ACCORDANCE WITH ASTM C260 FOR ALL MASONRY CONSTRUCTION.
- 3. ALL MASONRY WORKMANSHIP SHALL BE IN STRICT ACCORDANCE WITH CURRENT EDITIONS OF ACI 530.
- 4. PROVIDE CLEANOUT AT THE BOTTOM OF ALL CELLS TO BE FILLED WITH CONCRETE. CLOSE THE OPENING AFTER INSPECTION.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL MASONRY ELEMENTS ARE PROPERLY BRACED TO RESIST WIND, BACKFILLING, AND OTHER CONSTRUCTION OCCURRENCES. BRACING SHALL REMAIN IN PLACE UNTIL THE STRUCTURE IS COMPLETED.
- 6. SEE CONCRETE NOTES FOR FILLED CELL REQUIREMENTS

STRUCTURAL TIMBER

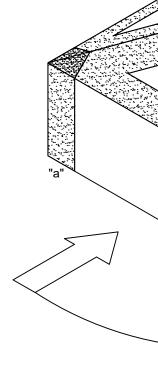
- 1. LOAD BEARING WALL FRAMING SHALL BE #2 SPRUCE PINE FIR (SPF) OR BETTER, 19% MOISTURE CONTENT, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
- 2. NON-BEARING FRAMING SHALL BE #3 SPRUCE PINE FIR (SPF) OR BETTER, 19% MOISTURE CONTENT.
- 3. TIMBER FRAMING NOTED AS PRESSURE TREATED, SHALL BE #2 SPF, AND TREATED IN ACCORDANCE WITH AWPA STANDARDS C1 AND C2
- 4. ALL EXTERIOR WOOD FRAMING SHALL BE PRESSURE TREATED.
- 5. TIMBER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS), 2001 EDITION WITH SUPPLEMENTS.
- 6. ALL SPECIFIED STEEL CONNECTION HARDWARE THAT IS NOT PRE-ENGINEERED SHALL BE HOT DIP GALVANIZED PER APPROPRIATE SPECIFICATIONS
- 7. ROOF SHEATHING SHALL CONSIST OF 7/16" INCH NOMINAL APA SPAN RATED. EXPOSURE I PLYWOOD OR ORIENTED STRAND BOARD (OSB) NAILED TO FRAMING AS SHOWN IN STRUCTURAL DETAILS. SHEATHING SHALL BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO FRAMING, AND STAGGERED ABOUT FRAMING.

PREFABRICATED WOOD TRUSSES

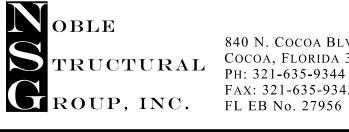
- 1. WOOD ROOF TRUSSES SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. SIGNED AND SEALED TRUSS CALCULATIONS AND DRAWINGS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO FABRICATION. DRAWINGS SHALL INCLUDE CRITICAL DIMENSIONS FOR DETERMINING FIT AND PLACEMENT. DESIGN LOADING CRITERIA IS SHOWN IN THE GENERAL NOTES ON THIS DRAWING.
- 2. ALL TRUSSES AND OTHER ROOF STRUCTURAL COMPONENTS SHALL BE FABRICATED IN A PROPERLY EQUIPPED MANUFACTURING FACILITY OF A PERMANENT NATURE. ALL TRUSSES SHALL BE FABRICATED UNDER STRICT RULES OF THE TRUSS PLATE INSTITUTE (T.P.I.)
- 3. TRUSSES SHALL BE HANDLED WITH CARE SO THAT THEY ARE NOT DAMAGED. HORIZONTAL BENDING SHALL BE KEPT OT A MINIMUM DURING ERECTION.
- 4. INSTALL ERECTION BRACING TO HOLD THE TRUSSES TRUE AND PLUMB DURING CONSTRUCTION.
- 5. TRUSS FRAMING HARDWARE NOT SHOWN ON THE DRAWINGS SHALL BE DESIGNED BY THE TRUSS ENGINEER. ALTERNATE CONNECTORS TO THOSE SHOWN ON THE DRAWINGS MAY BE SUBMITTED FOR APPROVAL.
- 6. TRUSSES SHALL BE FABRICATED FROM THE FOLLOWING MATERIALS: a. CHORDS SHALL BE A MINIMUM SIZE OF 2x4 AND SHALL BE #2 SOUTHERN YELLOW PINE OR BETTER.
- b. WEBS AND BRACING SHALL BE A MINIMUM SIZE OF 2x4 AND SHALL BE #3 SOUTHERN YELLOW PINE OR BETTER.
- c. TRUSS PLATES SHALL BE 20 GAGE MINIMUM WITH A MINIMUM YIELD OF 33000 PSI AND SHALL BE G60, COMMERCIAL CLASS HOT DIPPED GALVANIZED BEFORE STAMPING.
- 7. SEE TRUSS PLAN DRAWING IN THIS SET FOR OTHER TRUSS DESIGN INFORMATION.

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- SURFACE.
- THIS TABLE. OF BUILDING EDGES OR CORNERS. ALL OTHER COMPONENTS SHALL USE TYPICAL PRESSURE VALUES.



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ROOF - ENCLOSED BUILDING

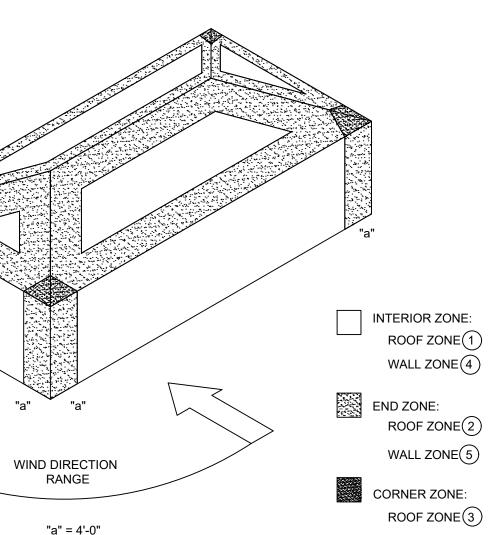
PRESSURE (PSF)

+13.9	OR	-22.2
+13.9	OR	-38.69
+13.9	OR	-38.69

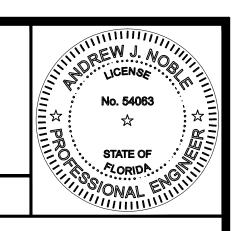
WALLS - ENCLOSED BUILDING

PRESSURE (PSF)
+24.29 OR -26.34
+24.29 OR -32.52

VALUES SHOWN FOR TABLES ABOVE ARE BASED ON NOMINAL WIND SPEED (ASD) 2. POSITIVE VALUES ACT TOWARD THE SURFACE, NEGATIVE VALUES ACT AWAY FROM THE 3. MANUFACTURING DATA FOR COMPONENTS AND CLADDING SHALL EXCEED THE VALUES SHOWN IN 4. EDGE PRESSURES NOTED SHALL BE USED FOR COMPONENTS THAT ARE LOCATED WITHIN 4 FEET



COMPONENTS & CLADDING WIND DIAGRAM ILLUSTRATIVE FIGURE ONLY N.T.S. ROOF AND WALL CONFIGURATION MAY VARY





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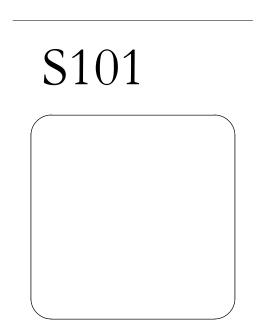
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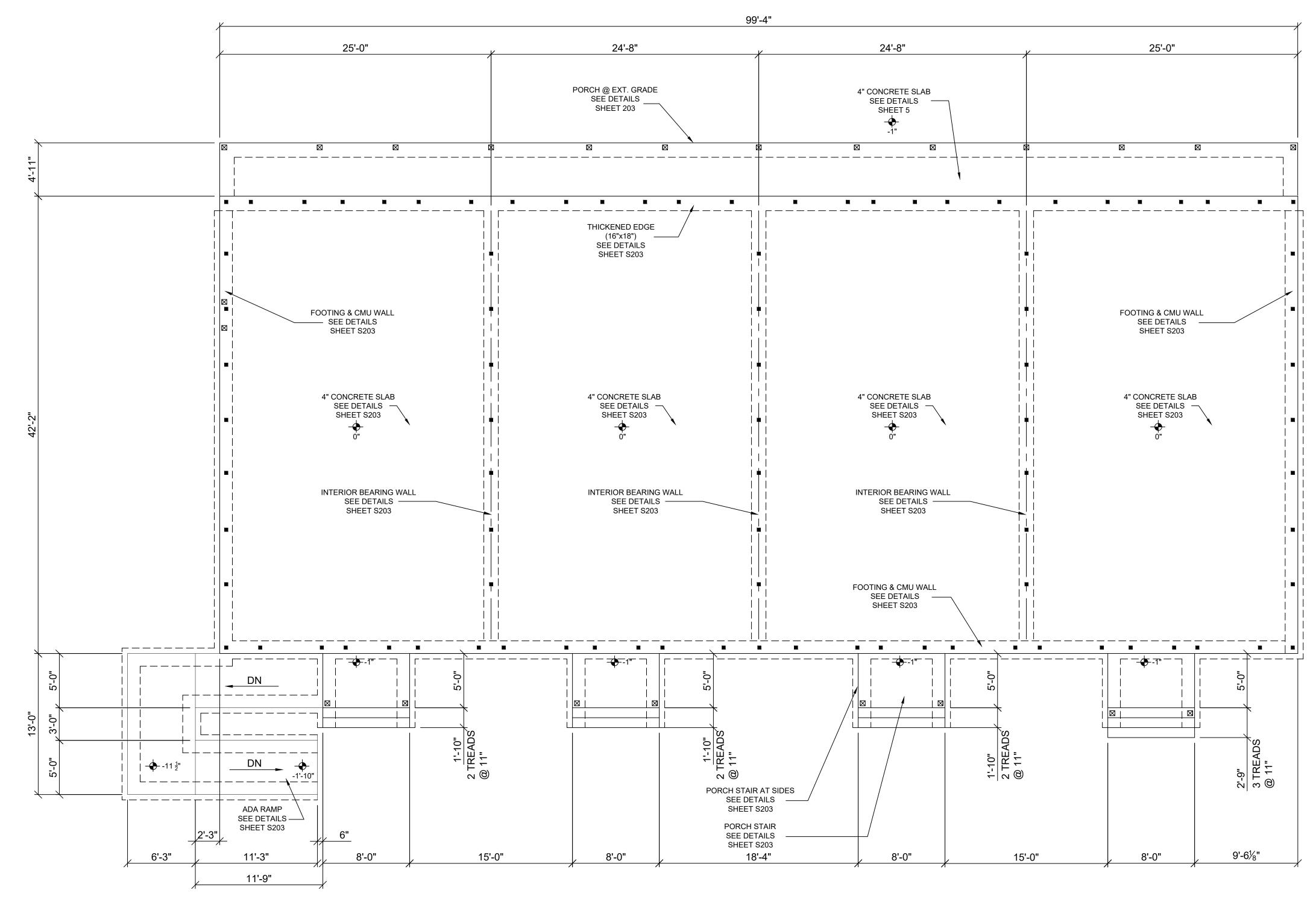
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Description	Date

STRUCTURAL GENERAL NOTES

DATE:	12/12/2023
DRAWN BY:	WN
REVISION:	-
SCALE	-





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FOUNDATION PHASE 1 PLAN

SCALE: 3/16" = 1'-0"



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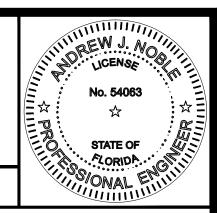
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 FL EB No. 27956
 FL EB No. 27956





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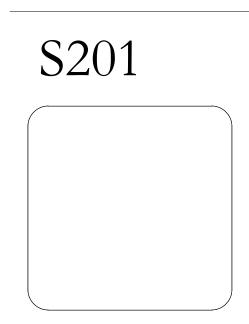
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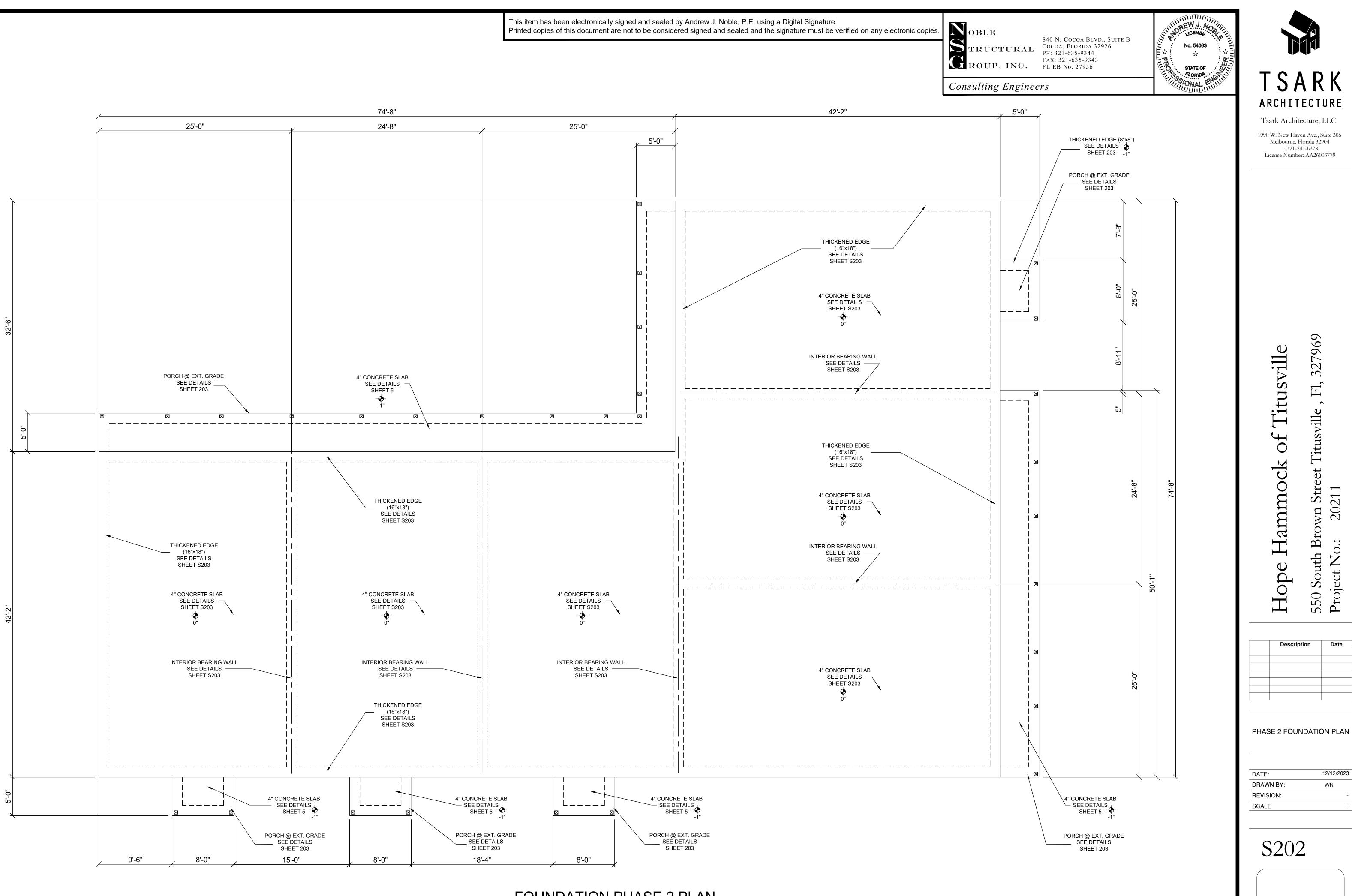
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PHASE 1 FOUNDATION PLAN

DATE:	12/12/2023
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REVISION:	-
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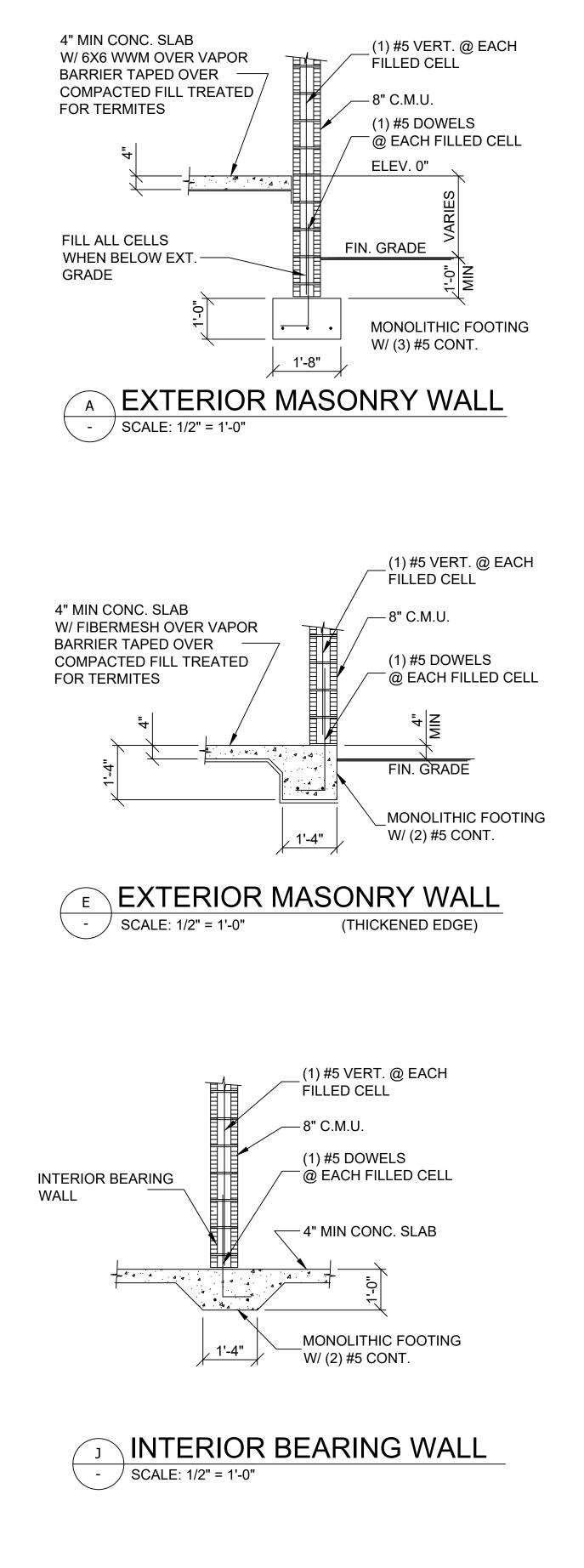
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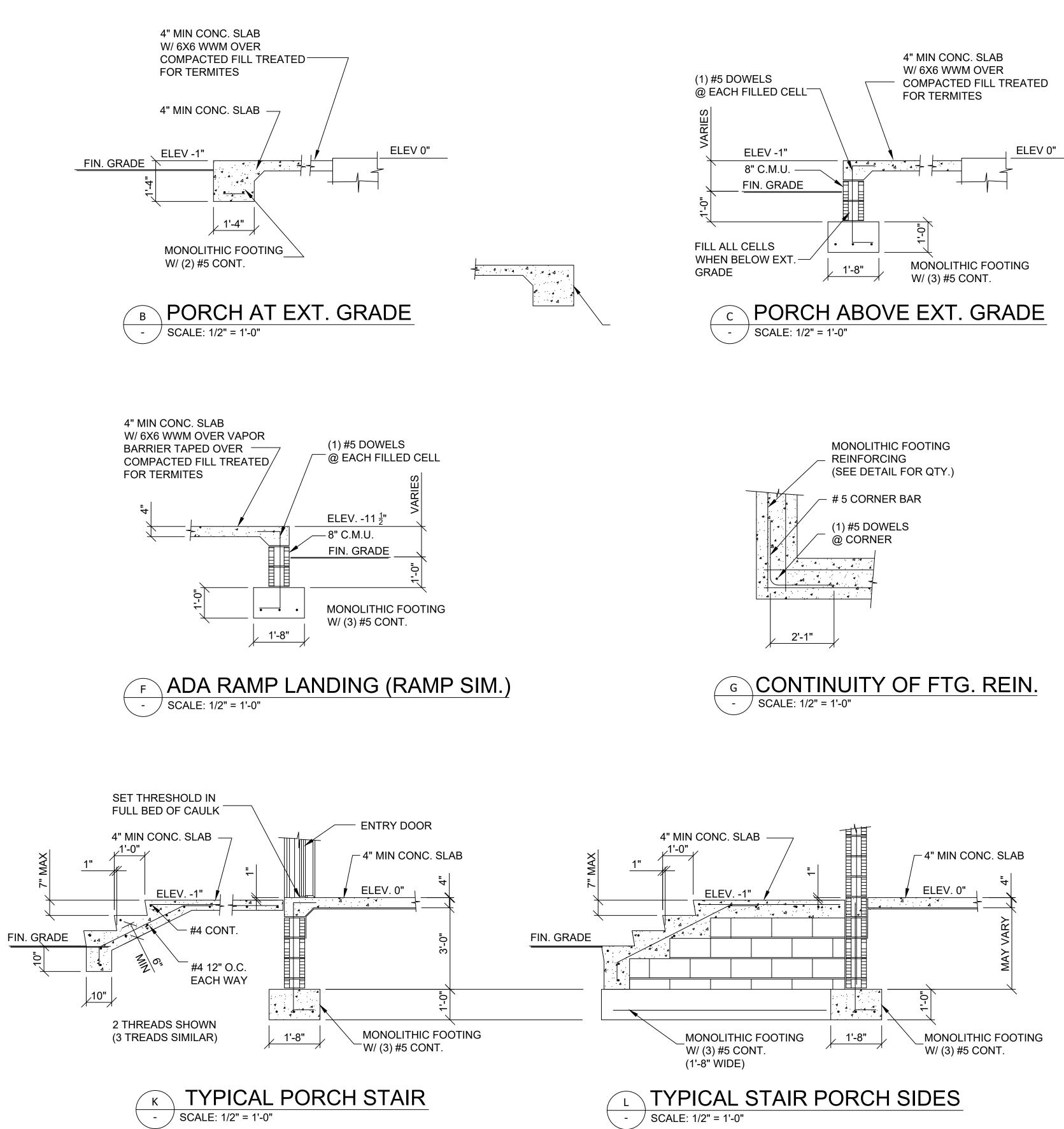
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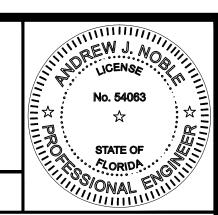
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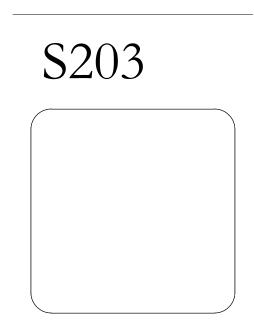
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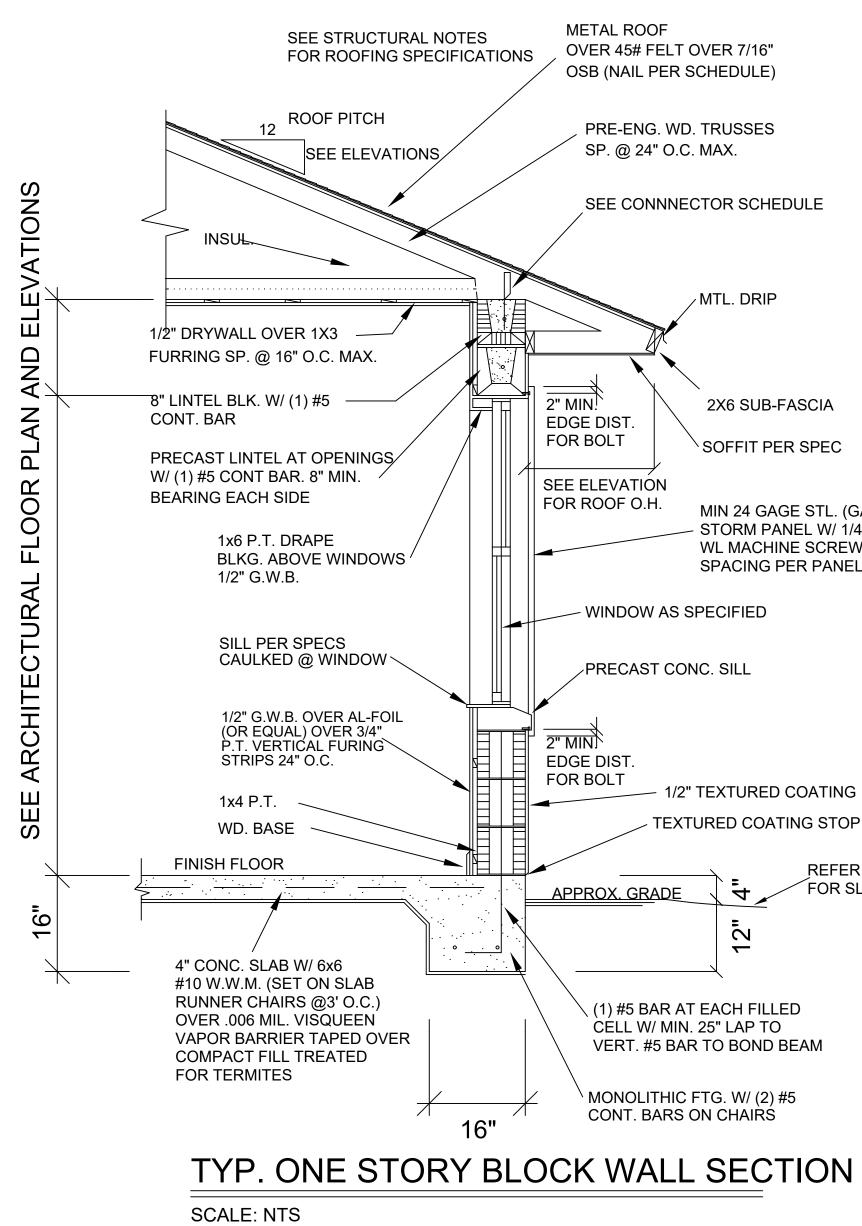
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SCALE	-





MONOLITHIC FTG. W/ (2) #5 CONT. BARS ON CHAIRS

VERT. #5 BAR TO BOND BEAM

CELL W/ MIN. 25" LAP TO

(1) #5 BAR AT EACH FILLED

 \sim

REFER TO SITE PLAN FOR SLOPE CONFIGURATION 4

1/2" TEXTURED COATING TEXTURED COATING STOP MIN. 4" ABOVE GRADE

PRECAST CONC. SILL

MIN 24 GAGE STL. (GALV.) (.031" MIN. THK.) STORM PANEL W/ 1/4-20x7/8", 1/2" DIA. FLOOR PLUG WL MACHINE SCREW ANCHOR 7/8" MIN. EMBEDMENT SPACING PER PANEL MFG. (SEE SHUTTER SPAN TABLE)

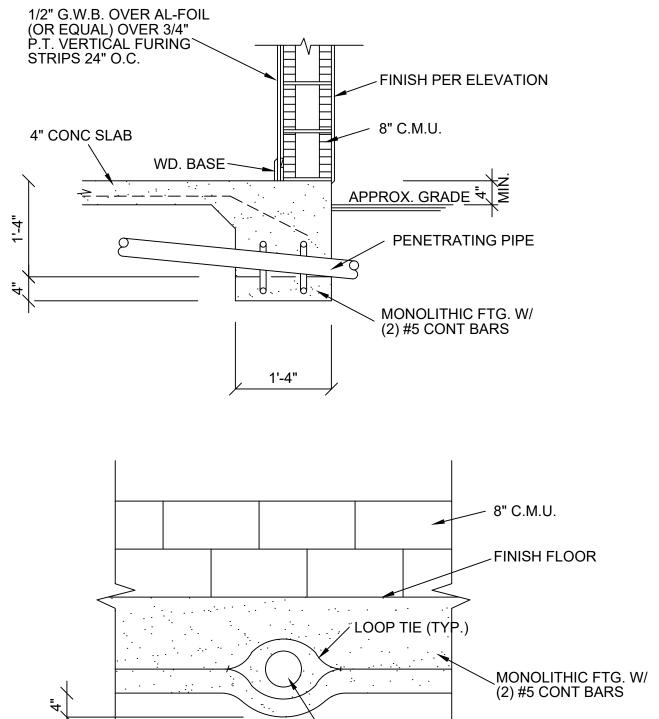
2X6 SUB-FASCIA [\]SOFFIT PER SPEC

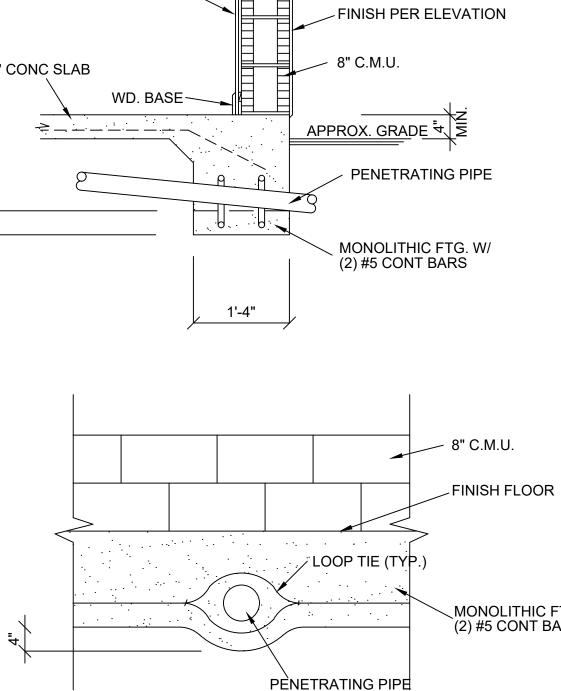
/ MTL. DRIP

PRE-ENG. WD. TRUSSES SP. @ 24" O.C. MAX. SEE CONNNECTOR SCHEDULE

OVER 45# FELT OVER 7/16" OSB (NAIL PER SCHEDULE)

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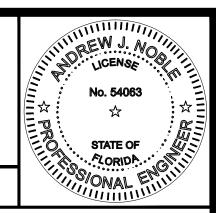


PIPE PENETRATION DETAIL SCALE: 1/2"=1'-0"

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Consulting Engineers

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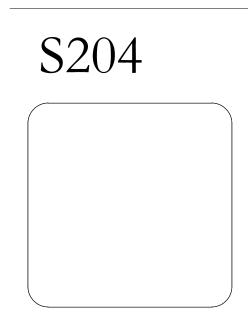
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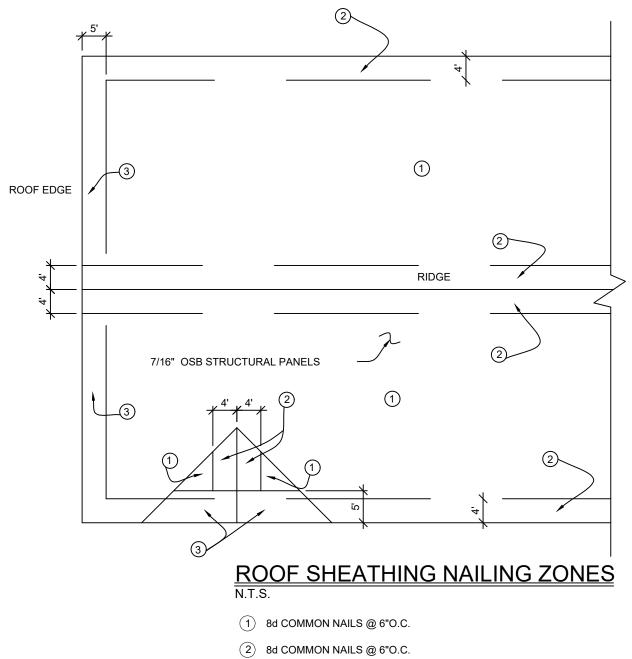
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PÈNETRATING PIPE

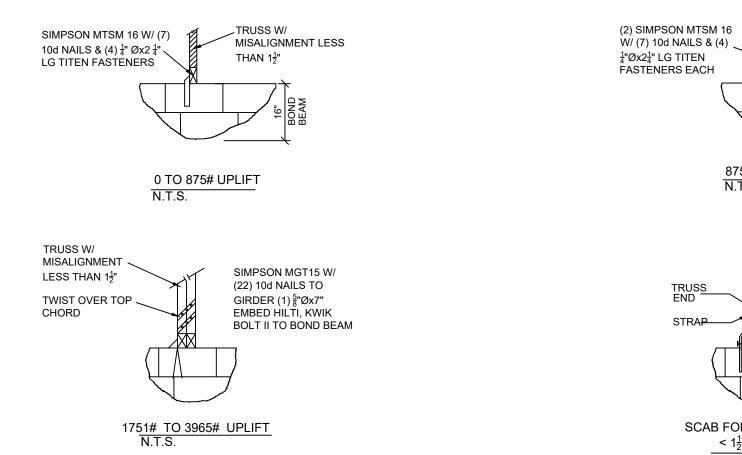
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Description MISC DETAILS DATE: DRAWN BY: **REVISION:** SCALE

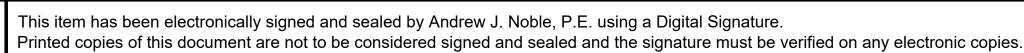


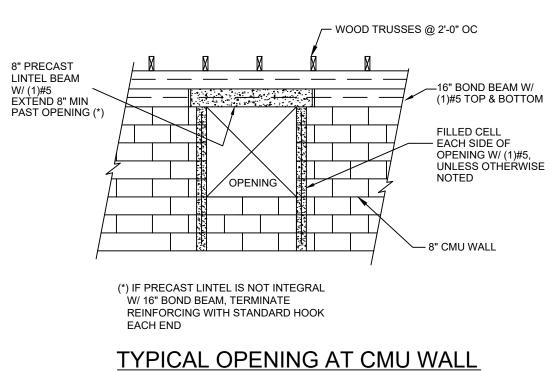


(3) 8d COMMON NAILS @ 6"O.C.



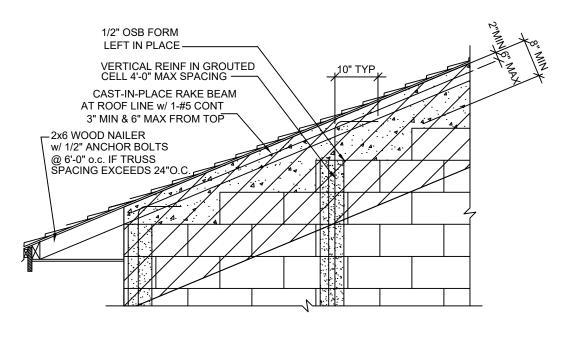
MISALIGNED OR OMITTED TRUSS REPAIR DETAILS N.T.S.





N.T.S.

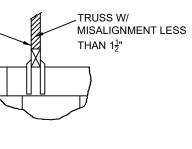
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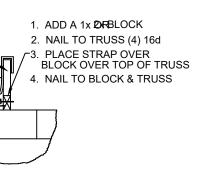
CONTINUOUS DEMISING WALL REINFORCEMENT SCALE: 1/2"=1'-0"



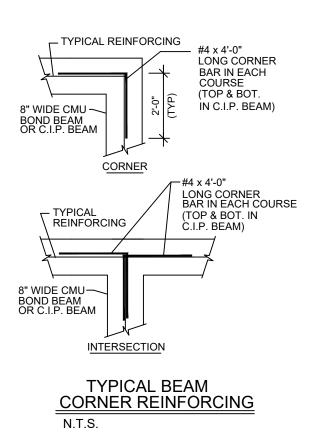




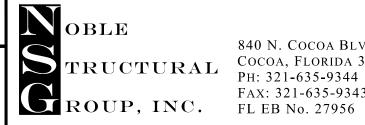
875# TO 1750# UPLIFT N.T.S.



SCAB FOR MISALIGNMENTS < 1<u>1</u>" BUT > 1/2" N.T.S.

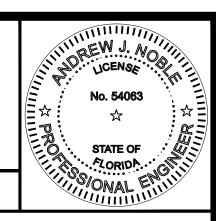






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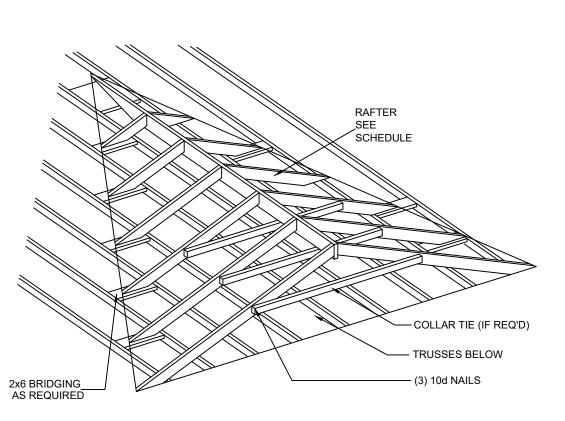
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VALLEY FRAMING DETAIL SCALE: 1/2"=1'-0"

1. ALL VALLEY FRAMING RAFTERS SHALL BE SPACED AT 24 INCH MAXIMUM CENTERS AND SHALL BE SIZED AS SHOWN IN THE SCHEDULE BELOW. 2. RAFTERS WITH THE LENGTHS OF 10'-0" TO 18'-0" REQUIRE A 2x4 COLLAR TIE AT MID-SPAN, RAFTER LENGTHS GREATER THAN 18'-0" ARE NOT PERMITTED. 3. RIDGE BOARD SHALL BE 2x (DEPTH OF DEEPEST RAFTER IN VALLEY SET). **VALLEY RAFTERS LESS THAN 7'-0" MAY BE 2X4's

RAFTER SPAN	MEMBER SIZE	ATTACHMENT TO RIDGE
0'-0" to 4'-0"	2x6	2 16d TOE NAILS
4'-1" to 10'-0"	2x6	4 16d TOE NAILS
10'-1" to 13'-6"	2x8	2 16d TOE NAILS & 1 SIMPSON H5 OR EQUIVALENT
13'-7" to 18'-0"	(2) 2x8	2 16d TOE NAILS & 2 SIMPSON H5 OR EQUIVALENT

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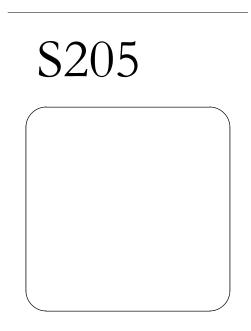
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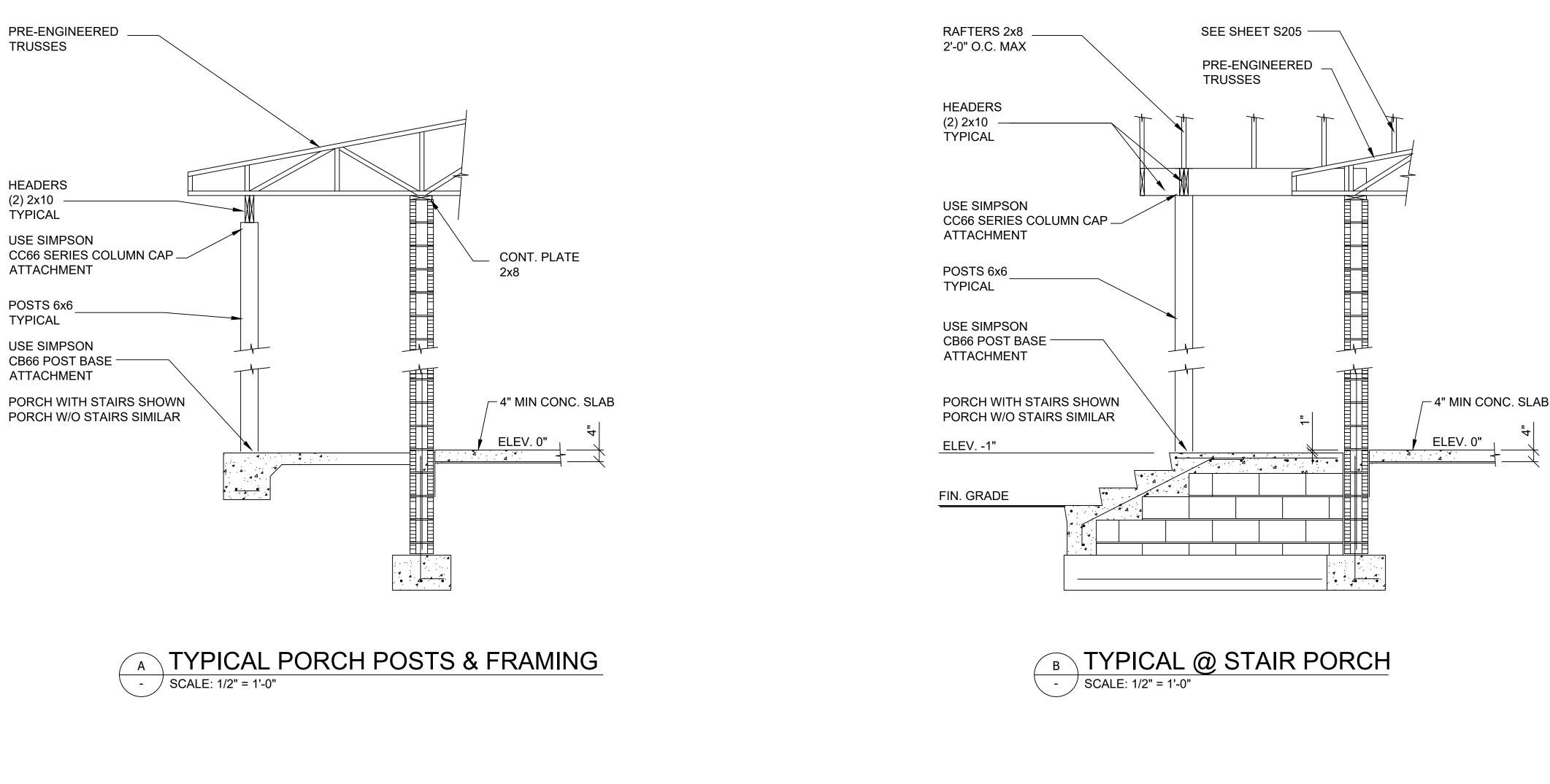
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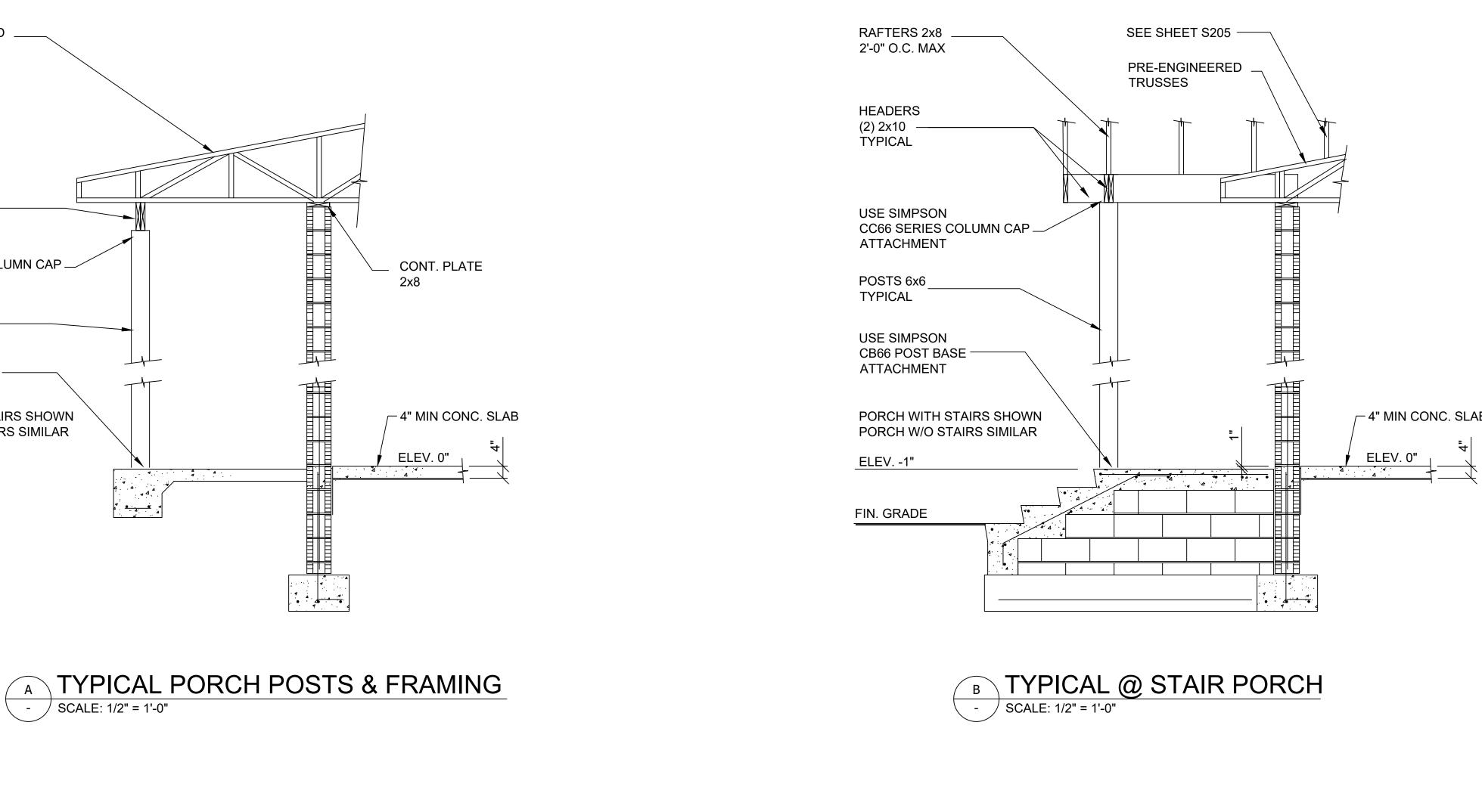
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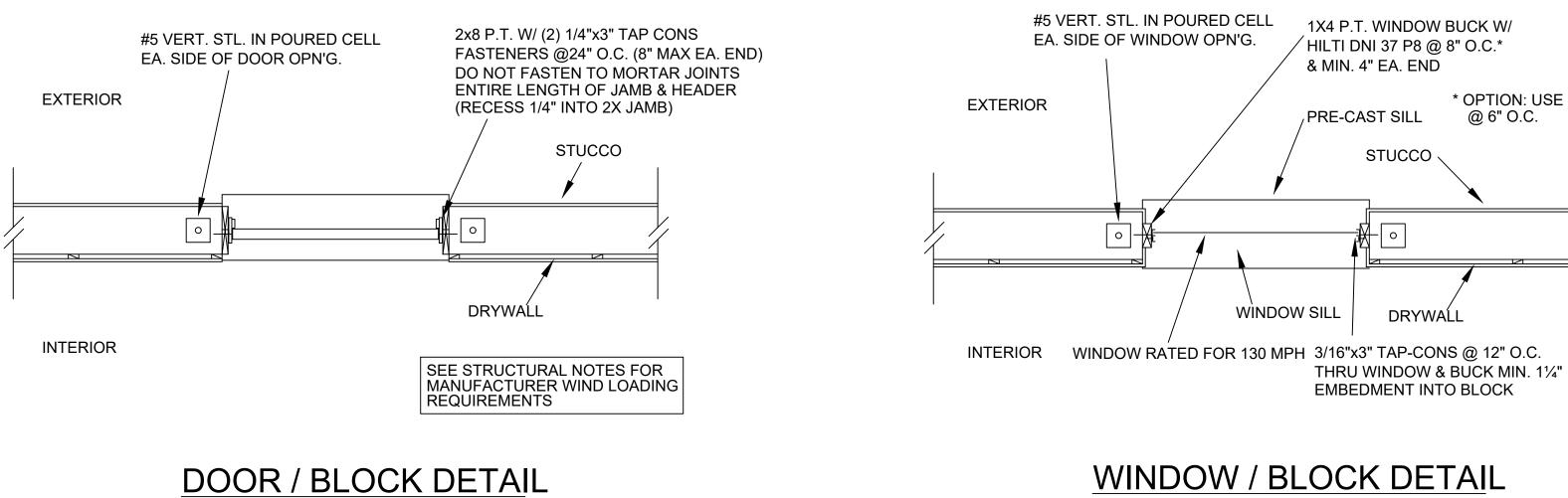
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SCALE	-

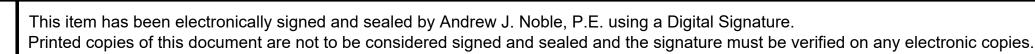










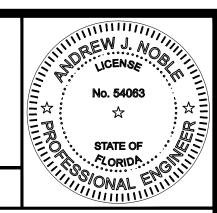






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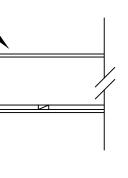




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* OPTION: USE "T" NAILS @ 6" O.C.



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SCALE: 1/2"=1'-0"

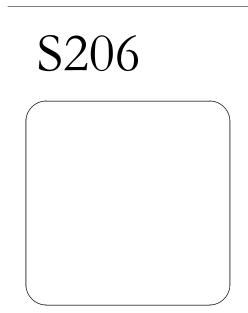
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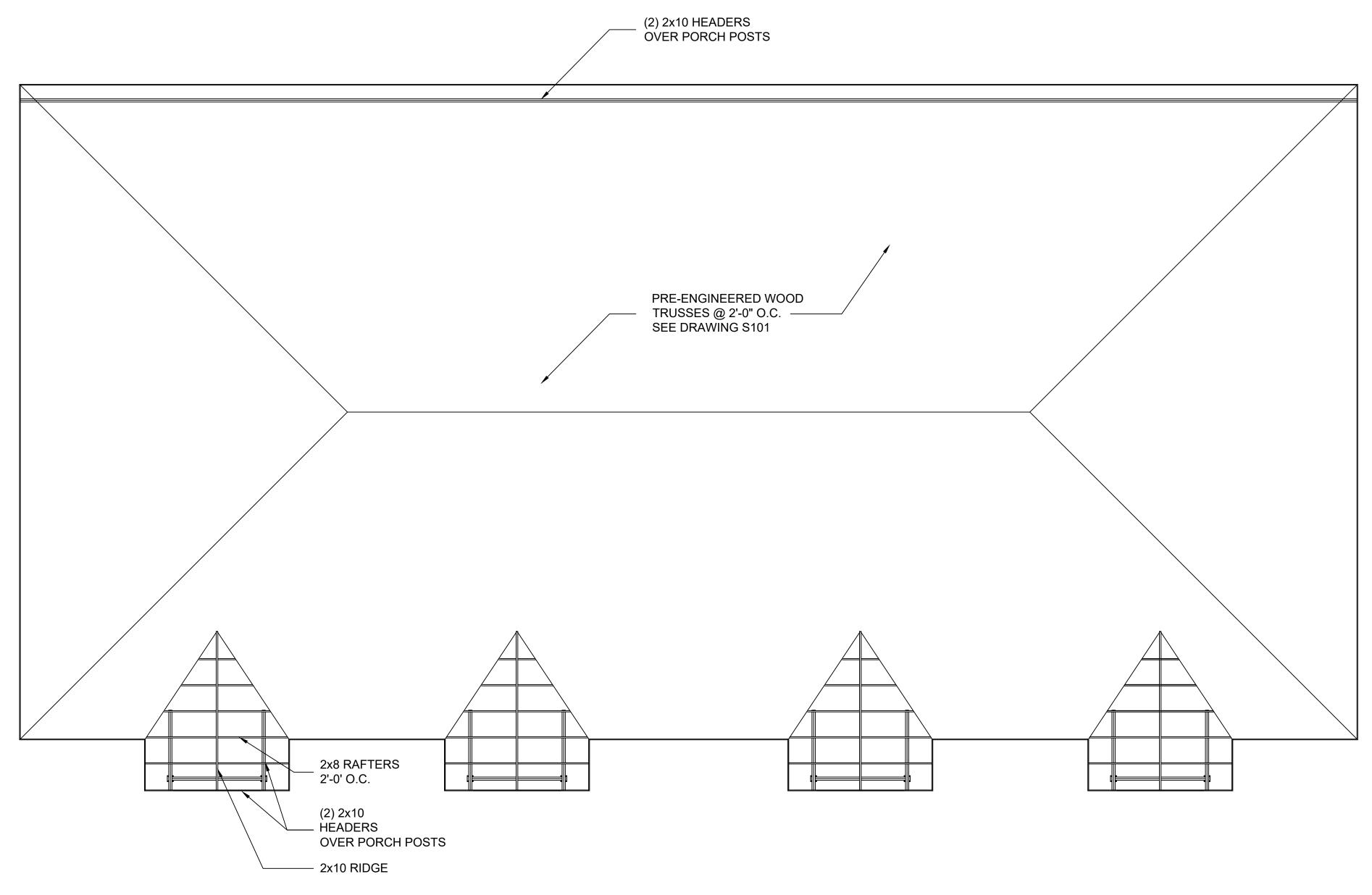
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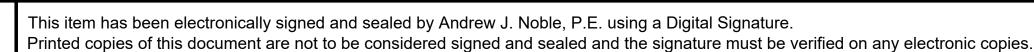
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12/12/2023 DRAWN BY: WN **REVISION:** -SCALE -





SCALE: 3/16" = 1'-0"



TRUSS CONNECTOR NOTE

TRUSS TO MASONRY CONNECTORS WITH NO IDENTIFYING MARK ARE TYPE "A" IN TRUSS CONNECTOR SCHEDULE.

2. TRUSS TO WOOD FRAME CONNECTIONS WITH NO IDENTIFYING MARK ARE TYPE "F" IN THE TRUSS CONNECTOR SCHEDULE.

UPLIFT MARK CAPACITY CONN SIMPSO (A) 1450 (2) SIMP 1985 (\mathbf{B}) SIMPSO (C) 2480 SIMPSO (D) 4940 (2) SIMP (E) 7185 USP HTS USP SPH F 1000 USP SPH 1/2" ANC (2) USP USP SPI G 1556 USP SPH 1/2" ANC (2) USP (2) USP (\mathbf{H}) 2900 (2) USP 1/2" ANC SIMPSO J 3610 SIMPSO SIMPSO (H1) SIMPSO 1550 SIMPSO (H2) 1550 (H3) 2000 SIMPSO (H4) SIMPSO 3295 (H5) SIMPSO 1135 3375 SIMPSO (H6) (H7) 2715 SIMPSO SIMPSO 6710 **C1** SIMPSO 5680

NOTES

- MANUFACTURER.

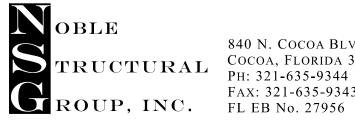
- OMITTED TRUSS CONNECTORS.
- **BEEN INCREASED BY 33%**

WOOD TRUSS BRACING NOTES.

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- a. b.
- c. LAP CLB, WHERE REQUIRED, 2'-0" MINIMUM.

ROOF TRUSS LAYOUT PHASE 1 PLAN



840 N. COCOA BLVD., SUITE B COCOA, FLORIDA 32926 Рн: 321-635-9344 FAX: 321-635-9343

Consulting Engineers

TRUSS CONNECTOR SCHEDULE

NECTOR TYPE	FRAMING LOCATION
ON META 20 W/ (8) 10D	TRUSS TO BOND BEAM
PSON META 20 W/(10) 10D EACH	TRUSS TO BOND BEAM
ON DETAL 20 W/(9) 10D	TRUSS TO BOND BEAM
ON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM
PSON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM
FS12 W/ (14) 10D	TRUSS TO TOP PLATE
PH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD
PH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE
CHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
P HTS12 W/ (14) 10D	TRUSS TO TOP PLATE
PH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD
PH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE
CHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
P HTS12 W/ (20) 10D	TRUSS TO TOP PLATE
P HTS12 W/ (20) 10D	TOP PLATE TO STUD
P HTS12 W/ (20) 10D	STUD TO BOTTOM PLATE
CHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
ON HTT4 (PER MFG INSTALLATION)	TRUSS TO TOP PLATE
ON HTT4 (PER MFG INSTALLATION)	TOP PLATE TO (2) STUDS MIN
ON HTT4 (PER MFG INSTALLATION)	STUDS TO BOTTOM PLATE
ON HUS 26 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER
ON HUS 26-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER
ON HUS 28-2 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER
ON HUS 210-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER
ON HUC 410 (PER MFG INSTALLATION)	WOOD HEADER TO CMU
ON MBHA (PER MFG INSTALLATION)	WOOD HEADER TO CMU
ON MBHU3.56/16KT (PER MFG INST.)	LVL TO CMU
ON CB SERIES (PER MFG INSTALLATION)	WOOD POST BASE
ON CC SERIES (PER MFG INSTALLATION)	WOOD POST CAP

1. CONNECTORS OF EQUAL CAPACITY AND FUNCTION MAY BE SUBSTITUTED FOR THOSE SHOWN IN SCHEDULE 2. WORK THIS SCHEDULE WITH A SIGNED AND SEALED TRUSS DESIGN PACKAGE PROVIDED BY THE TRUSS

3. ALL CONNECTION HARDWARE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

4. TRUSS TO TRUSS CONNECTIONS SHALL BE DESIGNED BY, AND SUPPLIED BY THE TRUSS MANUFACTURER. 5. (1) 2X PLY OF BLOCKING MAY BE USED FOR SHIMMING PURPOSES WHERE REQUIRED BY CONNECTOR WIDTH 6. SEE STRUCTURAL DETAIL SHEET IN PROJECT DRAWING SET FOR REMEDIAL DETAILS FOR MISALIGNED OR

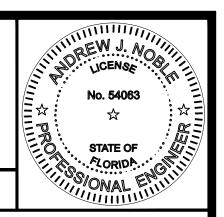
7. CAPACITY REPRESENTS THE MANUFACTURER'S LOAD RATING FOR THE CONNECTOR. THIS VALUE HAS NOT

1. TEMPORARY BRACING OF PRE-ENGINEERED TRUSSES IS THE RESPONSIBILITY OF THE TRUSS ERECTOR AND SHALL BE IN ACCORDANCE WITH HIB-91 BY THE TRUSS PLATE INSTITUTE.

2. PERMANENT BRACING SHALL BE PLACED AT LOCATIONS REQUIRED ON THE TRUSS SHOP DRAWINGS, NOT TO EXCEED 20'-0" AND SHALL MEET THE FOLLOWING MINIMUM CRITERIA:

1X4 CONTINUOUS LATERAL BRACING (CLB) PLACED FLAT AGAINST THE TRUSS MEMBER IT IS BRACING (2) 16D NAILS AT EACH INTERSECTION BETWEEN CLB AND TRUSS MEMBER

3. ALL PERMANENT BRACING MUST BE IN PLACE PRIOR TO APPLICATION OF TRUSS DESIGN LOADS. 4. PROVIDE X-BRACING AT THE ENDS OF BRACING LINES.





Tsark Architecture, LLC

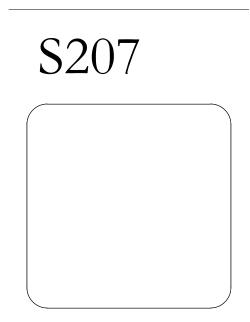
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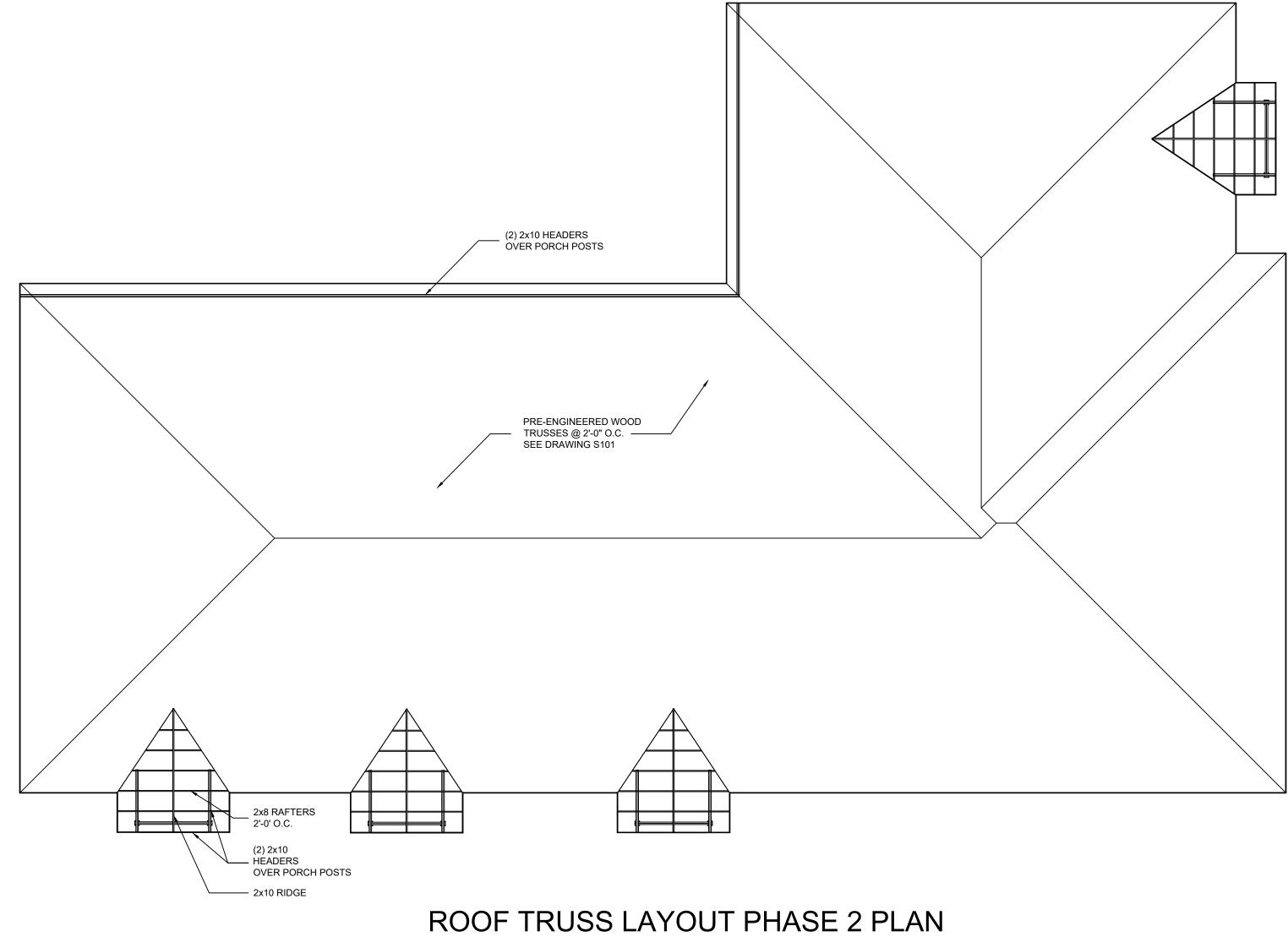
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Description	Date

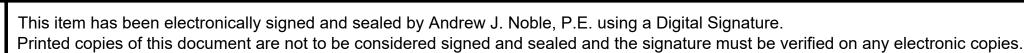
ROOF TRUSS LAYOUT PHASE 1

DATE:	12/12/2023
DRAWN BY:	WN
REVISION:	-
SCALE	-





SCALE: 1/8" = 1'-0"



TRUSS CONNECTOR NOTE

TRUSS TO MASONRY CONNECTORS WITH NO IDENTIFYING MARK ARE TYPE "A" IN TRUSS CONNECTOR SCHEDULE.

2. TRUSS TO WOOD FRAME CONNECTIONS WITH NO IDENTIFYING MARK ARE TYPE "F" IN THE TRUSS CONNECTOR SCHEDULE.

	UPLIFT CAPACITY	CONNECTOR TYPE	FRAMING LOCATION	
A	1450	SIMPSON META 20 W/ (8) 10D	TRUSS TO BOND BEAM	
В	1985	(2) SIMPSON META 20 W/(10) 10D EACH	TRUSS TO BOND BEAM	
C	2480	SIMPSON DETAL 20 W/(9) 10D	TRUSS TO BOND BEAM	
D	4940	SIMPSON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM	
E	7185	(2) SIMPSON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM	
	1000	USP HTS12 W/ (14) 10D	TRUSS TO TOP PLATE	
		USP SPH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD	
(F)		USP SPH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE	
		1/2" ANCHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION	
		(2) USP HTS12 W/ (14) 10D	TRUSS TO TOP PLATE	
	1556	USP SPH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD	
G	1000	USP SPH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE	
		1/2" ANCHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION	
	2900	(2) USP HTS12 W/ (20) 10D	TRUSS TO TOP PLATE	
(H)		(2) USP HTS12 W/ (20) 10D	TOP PLATE TO STUD	
		(2) USP HTS12 W/ (20) 10D	STUD TO BOTTOM PLATE	
		1/2" ANCHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION	
		SIMPSON HTT4 (PER MFG INSTALLATION)	TRUSS TO TOP PLATE	
	3610	SIMPSON HTT4 (PER MFG INSTALLATION)	TOP PLATE TO (2) STUDS MIN	
		SIMPSON HTT4 (PER MFG INSTALLATION)	STUDS TO BOTTOM PLATE	
(H1)	1550	SIMPSON HUS 26 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER	
H2	1550	SIMPSON HUS 26-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER	
H3	2000	SIMPSON HUS 28-2 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER	
H4	3295	SIMPSON HUS 210-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER	
(H5)	1135	SIMPSON HUC 410 (PER MFG INSTALLATION)	WOOD HEADER TO CMU	
H6	3375	SIMPSON MBHA (PER MFG INSTALLATION)	WOOD HEADER TO CMU	
(H7)	2715	SIMPSON MBHU3.56/16KT (PER MFG INST.)	LVL TO CMU	
©1 –	6710	SIMPSON CB SERIES (PER MFG INSTALLATION)	WOOD POST BASE	
	5680	SIMPSON CC SERIES (PER MFG INSTALLATION)	WOOD POST CAP	

NOTES

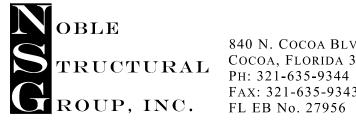
- MANUFACTURER.
- SPECIFICATIONS AND RECOMMENDATIONS.

- OMITTED TRUSS CONNECTORS.
- BEEN INCREASED BY 33%

WOOD TRUSS BRACING NOTES.

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- a.
- b. c. LAP CLB, WHERE REQUIRED, 2'-0" MINIMUM.



840 N. COCOA BLVD., SUITE B Cocoa, Florida 32926 Ph: 321-635-9344 FAX: 321-635-9343

Consulting Engineers

TRUSS CONNECTOR SCHEDULE

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Tsark Architecture, LLC

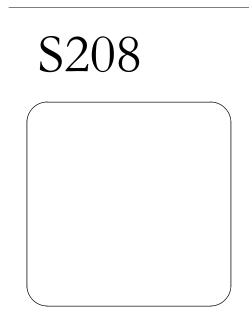
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Description	Date

ROOF TRUSS LAYOUT PHASE 2

DATE:	12/12/2023
DRAWN BY:	WN
REVISION:	-
SCALE	-



FORM R405-2020

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: HOPE HAMMOCK OF TI Street: 550 SOUTH BROWN STF City, State, Zip: TITUSVILLE , FL , 32796 Owner: Design Location: FL, Orlando	REET	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Brevard (Florida Climate Zo	one 2)
 New construction or existing Single family or multiple family Number of units, if multiple family Number of Bedrooms 	New (From Plans) Attached 1 3 No 1059 0 Area 125.00 ft ² ft ² ft ² ft ² ft ²	 10. Wall Type\$1329.2 sqft.) a. Concrete Block - Int Insul, Exterior b. Frame - Wood, Common c. N/A d. N/A 11. Ceiling Types (1059.0 sqft.) a. Cathedral/Single Assembly (Vented) b. N/A c. N/A 12. Ducts a. Sup: 1st Floor, Ret: 1st Floor, AH: 1st 13. Cooling systems a. Central Unit 14. Heating systems 	Insulation Area R=9.4 925.00 ft ² R=4.0 404.17 ft ² R= ft ² R= ft ² Insulation Area R=30.0 1059.00 ft ² R= ft ² R= ft ² R= ft ² R= ft ² R ft ² t Floor 6 75 kBtu/hr Efficiency 18.0 SEER:14.00
Area Weighted Average SHGC: 8. Skylights c. U-Factor:(AVG) N/A SHGC(AVG): N/A 9. Floor Types (1059.0 sqft.) Insu a. Slab-On-Grade Edge Insulation R=0 b. N/A R= c. N/A R=	ft²	 a. Electric Strip Heat 15. Hot water systems a. Electric b. Conservation features None 16. Credits 	14.0 COP:1.00 Cap: 50 gallons EF: 0.920 None
- Glass/Floor Area: 0.118	Total Proposed Modified Total Baseline I		PASS
I hereby certify that the plans and specifica this calculation are in compliance with the I Code. PREPARED BY: <u>KEITH PRZECLAWS</u> DATE: <u>12-19-2023</u> I hereby certify that this building, as design with the Florida Energy Code. OWNER/AGENT: DATE:	Florida Energy	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.	COP WE TRUST

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.35 ACH50 (R402.4.1.2).

	2020	INPUT SL		PROJEC								
Title: Building Type Owner Name # of Units: Builder Name Permit Office Jurisdiction: Family Type: New/Existing Comment:	e: 1 e: :: Attached		Bedrooms: Conditioner Total Storie Worst Case Rotate Ang Cross Vent Whole Hou	3 d Area: 1 es: 1 e: N le: 0 ilation:	059		Lot # Block PlatB Stree Coun	:/Subdivisi ook: t:	ion: 550 Bre	eet Addre 0 SOUTH evard USVILLE , 3279	I BROW	VN S
				CLIMAT	E							
√ р	esign Location	TMY Site		Des 97.5	ign Temp % 2.5 %		sign Tem r Summ		ating ee Days		n Daily re Ra	/ Temp ange
	FL, Orlando	FL_ORLANDO_IN	TL_AR	41	91	70	75	5	526	44	M	edium
				BLOCK	S							
Number	Name	Area	Volume									
1	Block1	1059	10590									
				SPACE	S							
Number	Name	Area	Volume k	Kitchen C	occupants	Bedroo	ms Ir	nfil ID F	inished	Coo	led	Heat
1	1st Floor	1059	10590	Yes	4	3	1	١	/es	Yes		Yes
				FLOOR	S							
/ #	Floor Type	Space	Perin	neter R	-Value	Area			Т	Tile Wo	ood Ca	arpet
18	Slab-On-Grade Edge	Insulatio 1st F	Floor 134	ft	0.8	1059 ft ²				0 0)	1
				ROOF								
V #	Туре	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pito (de
1	Gable or shed	Flat tile/slate	1147 ft ²	220 ft ²	Medium	N	0.96	No	0.9	No	30	22.
				ATTIC								
V #	Туре	Ventila	ation	Vent Ratio ((1 in)	Area	RBS	IRC	;C			
1	No attic	Vent	ed	300	1	059 ft ²	Ν	N				
				CEILING	3							
√ #	Ceiling Type		Space	R-Value	Ins Ty	ре	Area	Frami	ing Frac	Truss	Туре	

FORM R405-2020

INPUT SUMMARY CHECKLIST REPORT

						WA	LLS							
V #	Ornt	Adjao To	ent	Туре	Space	Cavity R-Value	Wid Ft		Height Ft In	Area		ing Framing Je Fractior		
1	Omi N	Exterio		ncrete Block - Int I			FL 25		сц <u>ії</u> О	251.7 ft ²			0.75	
2	Е	Neighbo	or Fra	me - Wood	1st Floor	· 4	40		0	404.2 ft ²		0.12	0.75	C
3	S	Exterio		ncrete Block - Int			25		0	251.7 ft ²		0	0.75	
4	W	Exterio		ncrete Block - Int			42		0	421.7 ft ²		0	0.75	
							ORS		-			-		
		0		Desertaria	0	00	UKS	01	11.)/-1		Width	Heig	ht	A
	#	Orr	11	Door Type	Space			Storms	U-Valu	F		Ft	In	Area
	1	N		Wood	1st Floor			None	.2	3	3 2	8		25.3 ft ²
	2	S		Wood	1st Floor			None	.2	3	3 2	8		25.3 ft²
				0	rientation show		DOWS		oriontation					
/		Wal	1	0	nemation show		ileieu, r	Toposeu	Unentation		rhang			
\checkmark	# (Ornt ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		Separatio	on Int Sh	nade	Screeni
	1	N 1	Wood	Double (Clear)	Yes	0.4	0.25	Ν	50.0 ft ²	0 ft 0 in	0 ft 0 in	No	ne	None
	2	S 3	Wood	Double (Clear)	Yes	0.4	0.25	Ν	50.0 ft ²	0 ft 0 in	0 ft 0 in	No	ne	None
	3	W 4	Wood	Double (Clear)	Yes	0.4	0.25	Ν	25.0 ft ²	0 ft 0 in	0 ft 0 in	No	ne	None
	Ũ													
	0					INFILT	RATIC	N						
 			Method		SLA C	INFILT	RATIC		qLA	ACH	A	CH 50		
	Scope			CH(50) .0				E	qLA 7.21	ACH .1176		CH 50 5.3475		
	Scope		Method	CH(50) .0	0034	CFM 50	ELA 51.78	E 9						
	Scope		Method posed AC		0034	CFM 50 943.8	ELA 51.78	E 9	7.21				Block	Ducts
	Scope	e Proj System	Method posed AC	S	0034 I	CFM 50 943.8 HEATING	ELA 51.78	е 9 Г ЕМ	7.21 y (.1176			Block 1	
	Scope blehouse #	e Proj System	Method bosed AC	S	0034 I ubtype lone	CFM 50 943.8 HEATING	ELA 51.78	9 FEM Efficienc COP:1	7.21 y (.1176 Capacity				
	Scope blehouse #	e Proj System	Method bosed AC Type Strip Hea	S at/ N	0034 I ubtype lone	CFM 50 943.8 HEATINC Speed	ELA 51.78 3 SYS ⁻ 3 SYS ⁻	9 FEM Efficienc COP:1	7.21 y (.1176 Capacity 4 kBtu/hr				sys#1
	Scope blehouse # 1	e Prop System Electric	Method bosed AC Type Strip Hea Type	S at/ N S	0034 ubtype lone	CFM 50 943.8 HEATINC Speed	ELA 51.78 5 SYS	E 9 FEM Efficienc COP:1 TEM	7.21 y (14	.1176 Capacity 4 kBtu/hr ity A	5	5.3475	1	sys#1 Ducts
	Scope blehouse # 1 #	e Prop System Electric System	Method bosed AC Type Strip Hea Type	S at/ N S	0034 ubtype one ubtype plit	CFM 50 943.8 HEATING Speed COOLING Subtype	ELA 51.78 5 SYS 5 SYS 6 SYS 8 SYS	Efficience COP:1 TEM Efficiency SEER: 14	7.21 y (14	.1176 Capacity 4 kBtu/hr ity A	tir Flow	5.3475 SHR	1 Block	sys#1 Ducts
	Scope blehouse # 1 #	e Prop System Electric System Central	Method bosed AC Type Strip Hea Type	s at/ N S S	0034 ubtype one ubtype plit	CFM 50 943.8 HEATINC Speed COOLINC Subtype Singl	ELA 51.78 5 SYS 5 SYS 6 E 8	Efficience COP:1 TEM Efficiency EER: 14 STEM	7.21 y (14	.1176 Capacity 4 kBtu/hr ity A	ir Flow 40 cfm	5.3475 SHR 0.75	1 Block	Ducts sys#1 Ducts sys#1
	Scope blehouse # 1 1 #	e Prop System Electric System Central	Method posed AC Type Strip Hea Type Unit/	sat/ N S SubType	0034	CFM 50 943.8 HEATINC Speed COOLINC Subtype Singl	ELA 51.78 5 SYS 5 SYS E ER SYS	Efficiency COP:1 TEM Efficiency SEER: 14 STEM	7.21 <u>y (</u> 14 • Capac • 18 kBtu	.1176 Capacity 4 kBtu/hr ity A /hr 54	sir Flow 40 cfm	5.3475 SHR 0.75 Cons	1 Block 1	sys#1 Ducts
	Scope blehouse # 1 # 1 # 1	e Prop System Electric System Central	Method posed AC Type Strip Hea Type Unit/	sat/ N S SubType	0034	CFM 50 943.8 HEATINC Speed COOLINC Subtype Singl DT WATI	ELA 51.78 5 SYS 5 SYS 5 SYS ER SYS Ca 50 g	E 9 FEM Efficiency COP:1 TEM Efficiency SEER: 14 STEM p al	7.21 <u>y (</u> 14 <u>Capac</u> 18 kBtu <u>Use</u> 70 gal	.1176 Capacity 4 kBtu/hr ity A /hr 54 SetPr	sir Flow 40 cfm	5.3475 SHR 0.75 Cons	1 Block 1	sys#1 Ducts
	Scope blehouse # 1 # 1 # 1	e Prop System Electric System Central System Electri	Method posed AC Type Strip Hea Type Unit/	Sat/ N Sat/ N S SubType None	0034	COOLINC Subtype Singl CT WATI EF 0.92	ELA 51.78 5 SYS 5 SYS 6 E 5 SYS 7 E 50 g 7 ATER	Efficience COP:1 TEM Efficiency Efficiency EER: 14 STEM p al SYST	7.21 <u>y (</u> 14 <u>Capac</u> 18 kBtu <u>Use</u> 70 gal	.1176 Capacity 4 kBtu/hr ity A /hr 54 SetPr 120 de	sir Flow 40 cfm	5.3475 SHR 0.75 Cons	1 Block 1 servation Jone	sys#1 Ducts

FORM R405-2020

INPUT SUMMARY CHECKLIST REPORT

							DUCTS								
\checkmark	#	Sup Location R	oply 2-Value Area		Retu ation	ırn Area	Leakag	је Туре	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV/ Heat	AC # Cool
	1	1st Floor	6 75 ft ²	1st	Floor	0 ft ²	Default	Leakage	1st Floor	(Default)	(Defaul	t)		1	1
						TEM	PERATUF	RES							
Programa	able Thei	mostat: N			Ce	iling Fans	3:								
Cooling Heating Venting	[] Jar [X] Jar [] Jar	ר [X] Feb	[] Mar [X] Mar [X] Mar	[]Apr []Apr [X] Apr] May] May] May	[X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [[] [X]	Oct Oct Oct	[] Nov [X] Nov [X] Nov	ixi	Dec Dec Dec
Thermostat		le: HERS 20	06 Reference		2	4	F		urs 7	0	0	10	4.4		10
Schedule T	уре		1	2	3	4	5	6	1	8	9	10	11		12
Cooling (W	D)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	77	78 78
Cooling (W	EH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	77	78 78
Heating (W	'D)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	e	58 58
Heating (W	'EH)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	6	58 58
							MASS								
Ма	ss Type			Area	_		Thickness	F	Furniture Fra	ction	S	pace			
De	fault(8 lb:	s/sq.ft.		0 ft²			0 ft		0.3		1	st Floor			

Location Building owner Program user Company Comments	TITUSVILLE JOSH M CEG	FL
By Dataset name		MINER\DESKTOP\LOADS\TSARK\200236 MOCK\HOPE HAMMOCK LOADS.TRC
Calculation time TRACE® 700 version	11:42 AM on 6.3.5	12/19/2023
Location Latitude Longitude Time Zone Elevation Barometric pressure	Cape Kenne 28.0 80.0 5 16 29.9	dy, Florida deg deg ft in. Hg
Air density Air specific heat Density-specific heat product Latent heat factor Enthalpy factor	0.0760 0.2444 1.1147 4,906.9 4.5604	lb/cu ft Btu/lb·°F Btu/h·cfm·°F Btu∙min/h·cu ft Ib∙min/hr·cu ft
Summer design dry bulb Summer design wet bulb Winter design dry bulb Summer clearness number Winter clearness number Summer ground reflectance Winter ground reflectance Carbon Dioxide Level	88.0 78.0 38.0 0.95 0.95 0.20 0.20 400	°F °F ppm
Design simulation period Cooling load methodology Heating load methodology		ecember ASHRAE TFM) ASHRAE-TFM)





UNIT A EXTERIOR

Single Zone

	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	DIL PEAK		TEMPE	ERATURE	ES
	d at Time: utside Air:	Mo/H OADB/WB/HI	lr: 7 / 18 R: 85 / 77 /	127	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 84.6	Heating 74.5 65.8
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak	Percent	Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Of Total	Ret/OA	75.0	70.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads				Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0	-	0	Skylite Cond	0	0	0.00			
Roof Cond	0	1,703	1,703	12		0	Roof Cond	0	-844	29.92			
Glass Solar	520	0	520	4		4	Glass Solar	0	0	0.00		FLOWS	
Glass/Door Con		0	154	1	154	1	Glass/Door Cond	-578	-578	20.50		Cooling	Heating
Wall Cond	1,659	543	2,202	15		13	Wall Cond	-1,035	-1,399	49.58	Diffuser	568	568
Partition/Door	0		0	0	•	0	Partition/Door	0	0	0.00	Terminal	568	
Floor	0	0.00	0	0		0	Floor	0	0	0.00	Main Fan	568	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00			
Infiltration	0		0	0	-	0	Infiltration	0	0	0.00	Sec Fan	0	•
Sub Total ==>	2,333	2,247	4,580	32	2,333	18	Sub Total ==>	-1,613	-2,821	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0
Lights	2.487	622	3.109	22	2.487	20	Lights	0	0	0.00	MinStop/Rh	0	Õ
People	3,000	022	3,000	21		12	People	0	0	0.00	Return	568	
Misc	3,584	ŏ	3,584	25		28	Misc	Ő	ŏ	0.00	Exhaust	000	
Sub Total ==>	9.071	622	9,693	68		60	Sub Total ==>	0	0	0.00	Rm Exh	0	0
	5,071	022	5,000	00	7,071	00		0	0	0.00	Auxiliary	0	0
Ceiling Load	2.760	-2.760	0	0	2.760	22	Ceiling Load	-1,208	0	0.00	Leakage Dwn	0	0
Ventilation Load	_, 0	_,0	Ō	Ō		0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans He	at 0		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Siz	ina		0	0			Ov/Undr Sizina	0	0	0.00			
Ov/Undr Sizing	0		Ő	õ		0	Exhaust Heat		0	0.00	ENGINE		KS
Exhaust Heat	Ū	0	ŏ	Ŏ		Ŭ	OA Preheat Diff.		0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00			Heating
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	0.0	0.0
Duct Heat Pkup		0	0	0							cfm/ft ²	0.62	0.62
Underflr Sup Ht	Pkup		0	0			Underflr Sup Ht Pku	р	0	0.00	cfm/ton	477.60	
Supply Air Leaka	age	0	0	0			Supply Air Leakage	-	0	0.00	ft²/ton	765.95	
	-						••••				Btu/hr·ft ²	15.67	-3.10
Grand Total ==>	14,164	108	14,273	100.00	12.664	100.00	Grand Total ==>	-2,821	-2.821	100.00	No. People	6	

	Total C	apacity		COIL SEI			B/HR	Leave	DB/\	WB/HR	Gros	AREA s Total	S Glas	s	HEAT	ING COIL S CapacityCoil		ION Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb			ft²	(%)		• MBh	cfm	°F	
Main Clg Aux Clg	1.2 0.0	14.3 0.0	12.8 0.0	568 0	75.0 0.0	60.7 0.0	56.5 0.0	55.0 \$ 0.0	51.8 0.0	52.4 0.0	Floor Part	911 0			Main Htg Aux Htg	-2.8 0.0		70.0 0.0	74.5 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door ExFlr	1 0			Preheat	0.0	0	0.0	0.0
Total	1.2	14.3									Roof Wall	911 576	0 76	0 13	Humidif Opt Vent	0.0 0.0	0 0	0.0 0.0	0.0 0.0
											Ext Door	0	0	0	Total	-2.8			

UNIT A INTERIOR

Single Zone

C	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	DIL PEAK		ТЕМРЕ	RATURE	ES
	l at Time: itside Air:	Mo/H OADB/WB/HF	lr: 7 / 17 R: 87 / 78 /	132	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 83.6	Heating 73.3 66.5
	Space	Plenum		Percent		Percent		Space Peak	Coil Peak I		Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Ret/OA	75.0 0.0	70.0 0.0
Envelope Loads	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Envelope Loads	Btu/h	Btu/h	(%)	Fn MtrTD Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00	FILFIC	0.0	0.0
Roof Cond	Ő	1.781	1.781	14	-	0	Roof Cond	0	-864	47.35			
Glass Solar	559	0	559	4	-	5	Glass Solar	Ő	0	0.00	AIR	FLOWS	
Glass/Door Cond		Ő	89	1	94	1	Glass/Door Cond	-457	-457	25.02			l la atima
Wall Cond	352	140	491	4	344	3	Wall Cond	-349	-504	27.62		Cooling	-
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	Diffuser	496	
Floor	0		0	0		0	Floor	0	0	0.00	Terminal	496	
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	496	
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan	0	0
Sub Total ==>	1,000	1,921	2,920	23	978	9	Sub Total ==>	-806	-1,825	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0 0
Lights	2.487	622	3.109	25	2.487	22	Lights	0	0	0.00	MinStop/Rh	0	0
People	3.000	0	3.000	24		14	People	Ő	Õ	0.00	Return	496	496
Misc	3,584	Ō	3,584	28		32	Misc	Ō	Ō	0.00	Exhaust	0	0
Sub Total ==>	9,071	622	9,693	77	7,571	68	Sub Total ==>	0	0	0.00	Rm Exh	0	-
											Auxiliary	0	•
Ceiling Load	2,488	-2,488	0	0		23	Ceiling Load	-1,019	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	-	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Hea			0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Sizi	3		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0		0	Exhaust Heat		0	0.00	ENGINE	ERING C	CKS
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00		Cooling	Heating
Sup. Fan Heat		0	0	0			RA Preheat Diff.		0	0.00	% OA	0.0	
Ret. Fan Heat		0	0 0	0			Additional Reheat		0	0.00	cfm/ft ²	0.0	0.54
Duct Heat Pkup	lkun	U	0	0			Underfle Sun Ht Dku	n	0	0.00	cfm/ton	471.93	0.54
Underfir Sup Ht P		0	0	0			Underflr Sup Ht Pku	h	0	0.00	ft²/ton	471.93 866.71	
Supply Air Leaka	ye	U	0	0	'		Supply Air Leakage		0	0.00	Btu/hr·ft ²		2.00
Grand Total ==>	10 550	55	10 610	100.00	11.059	100.00	Grand Total ==>	1 005	1 005	100.00		13.85 6	-2.00
Grand Total ==>	12,558	55	12,613	100.00	11,059	100.00	Grand Total ==>	-1,825	-1,825	100.00	No. People	6	

			COOLING	COIL SEI	LECT	ION					AR	EAS		HEAT	ING COIL S	ELECT	ION	
	Total C ton	apacity MBh	Sens Cap. MBh	Coil Airflow cfm	° Ente °F		B/HR gr/lb	Leave DE °F °I			Gross Tota	I Gla	ass ' (%)		CapacityCoi MBh	l Airflow cfm	Ent °F	Lvg °F
Main Clg Aux Clg	1.1 0.0	12.6 0.0	11.1 0.0	496 0	75.0 0.0	60.9 0.0	57.5 0.0	55.0 52.0 0.0 0.0)		Main Htg Aux Htg	-1.8 0.0	496 0	70.0 0.0	73.3 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0.0	0 0.	Int E)		Preheat	0.0	0	0.0	0.0
Total	1.1	12.6								Roo Wall	f 91 ⁻	0 60	0 25	Humidif Opt Vent	0.0 0.0	0 0	0.0 0.0	0.0 0.0
										Ext	Door (0 0	0	Total	-1.8			

Project Name: HOPE HAMMOCK Dataset Name: HOPE HAMMOCK LOADS.TRC

UNIT B EXTERIOR

Single Zone

(COOLING	COIL PEAK			CLG SPAC	E PEAK	,	HEATING CO	DIL PEAK		TEMPE	ERATURE	ES
	d at Time: utside Air:	Mo/H OADB/WB/HF	lr: 7 / 18 R: 85 / 77 /	127	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 85.3	Heating 74.5 65.6
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak I	Percent	Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Of Total	Ret/OA	75.0	70.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads				Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond Roof Cond	0	0	0	0		0	Skylite Cond Roof Cond	0	0	0.00			
Glass Solar	0 1,188	1,834 0	1,834 1,188	11 7	-	0 8	Glass Solar	0	-838 0	25.60 0.00		FLOWS	
Glass Solal Glass/Door Con		0	240	1	240	2	Glass/Door Cond	-761	-761	23.25			
Wall Cond	1.875	585	2.461	15		13	Wall Cond	-1,236	-1,674	51.15		Cooling	Heating
Partition/Door	1,075	000	2,401	0		0	Partition/Door	-1,230	-1,074	0.00	Diffuser	657	657
Floor	õ		õ	Ő	•	Õ	Floor	Ő	õ	0.00	Terminal	657	657
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	657	657
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan	0	0
Sub Total ==>	3,304	2,419	5,723	35	3,282	22	Sub Total ==>	-1,996	-3,273	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0
Lights	2,490	623	3.113	19	2,490	17	Lights	0	0	0.00	MinStop/Rh	0	•
People	3.500	025	3,500	21	1.750	12	People	0	0	0.00	Return	657	657
Misc	4.096	õ	4.096	25		28	Misc	Ő	õ	0.00	Exhaust	0	
Sub Total ==>	10,086	623	10,708	65	,	57	Sub Total ==>	0	0	0.00	Rm Exh	0	0
	- ,		-,		-,						Auxiliary	0	0
Ceiling Load	2,985	-2,985	0	0	3,019	21	Ceiling Load	-1,276	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans He	at 0		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Siz	ing		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0		0	Exhaust Heat		0	0.00	ENGINE	ERING C	KS
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00	% OA	Cooling 0.0	Heating 0.0
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	cfm/ft ²	0.0	0.0
Duct Heat Pkup	Dkup	0	0	0			Underfly Sun Ut Div	n	0	0.00	cfm/ton	0.72 479.47	0.72
Underflr Sup Ht Supply Air Leaka		0	0	0			Underflr Sup Ht Pku Supply Air Leakage	h	0	0.00	ft²/ton	479.47 666.06	
Supply Air Leaka	age	U	0	0			Supply Air Leakage		0	0.00	Btu/hr·ft ²	18.02	-3.59
Grand Total ==>	16,374	57	16,431	100.00	14,637	100.00	Grand Total ==>	-3,273	-3,273	100.00	No. People	18.02 7	-3.39

	Total C	apacity		COIL SEI				Leave D		р/Цр	Groo	AREA s Total	S Glas	•	HEAT	ING COIL S CapacityCoil			- Lya
	ton	MBh	MBh	con Airnow cfm	°F	°F	gr/lb		_	gr/lb	Gros	STOLAT	ft ²	。 (%)		MBh	cfm	Ent °F	
Main Clg	1.4	16.4	14.7	657	75.0	60.8	57.0	55.0 52.	.0 క	53.1	Floor	912			Main Htg	-3.3	657	70.0	74.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0.	.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0.	.0	0.0	Int Door ExFlr	1 0			Preheat	0.0	0	0.0	0.0
Total	1.4	16.4									Roof	912	0	0	Humidif	0.0	0	0.0	0.0
											Wall	700	100	14	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.3			

UNIT B INTERIOR

Single Zone

	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	DIL PEAK		TEMPE	ERATURE	ES
	ed at Time: outside Air:	Mo/H OADB/WB/HI	lr:7/18 R:85/77/	127	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: Ho OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 84.2	Heating 73.7 66.2
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak I	Percent	Return	75.0	70.0
	Sens. + Lat.	Sens. + Lat	Total	Of Total	Sensible	Of Total		Space Sens	Tot Sens (Of Total	Ret/OA	75.0	70.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads				Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00			
Roof Cond	0	1,883	1,883	13		0	Roof Cond	0	-857	37.17			
Glass Solar	594	0	594	4		5	Glass Solar	0	0	0.00		FLOWS	
Glass/Door Con		0	193	1	197	2	Glass/Door Cond	-609	-609	26.41		Cooling	Heating
Wall Cond	565	174	738	5		4	Wall Cond	-596	-839	36.42	Diffuser	553	553
Partition/Door	0		0	0	•	0	Partition/Door	0	0	0.00		553	
Floor	0		0	0		0	Floor	0	0	0.00	Terminal Main Fan	553	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00			
Infiltration	0		0	0	-	0	Infiltration	0	0	0.00	Sec Fan	0	
Sub Total ==>	1,352	2,056	3,408	24	1,309	11	Sub Total ==>	-1,205	-2,305	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent Infil	0	0
Lights	2,490	623	3.113	22	2.490	20	Lights	0	0	0.00	MinStop/Rh	0	-
People	3.500	025	3,500	25		14	People	0	0	0.00	Return	553	-
Misc	4.096	Ő	4.096	29		33	Misc	Ő	Ő	0.00	Exhaust	000	
Sub Total ==>	10,086	623	10,708	76	,	68	Sub Total ==>	0	0	0.00	Rm Exh	Ő	(
Sub 10tal>	10,000	025	10,700	70	0,000	00	Sub 10tal>	0	0	0.00	Auxiliary	0	C
Ceiling Load	2.643	-2,643	0	0	2.691	22	Ceiling Load	-1,100	0	0.00	Leakage Dwn	0	C
Ventilation Load		2,010	õ	õ		0	Ventilation Load	0	0	0.00	Leakage Ups	0	Ċ
Adj Air Trans He	at 0	2	0	0	0	0	Adj Air Trans Heat	0	0	0		Ŭ	
Dehumid. Ov Siz			0	0			Ov/Undr Sizina	0	0	0.00	L		
Ov/Undr Sizing	0			Ő		0	Exhaust Heat	-	0	0.00	ENGINE		:KS
Exhaust Heat	0	0	0 0	ŏ		Ũ	OA Preheat Diff.		0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00			Heating
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	0.0	0.0
Duct Heat Pkup		0	0	0							cfm/ft ²	0.61	0.61
Underflr Sup Ht			0	0			Underflr Sup Ht Pku	р	0	0.00	cfm/ton	470.40	
Supply Air Leaka	age	0	0	0			Supply Air Leakage		0	0.00	ft²/ton	775.29	
											Btu/hr·ft ²	15.48	-2.53
Grand Total ==>	14,081	35	14,116	100.00	12,336	100.00	Grand Total ==>	-2,305	-2,305	100.00	No. People	7	

	Total C ton	apacity MBh		Coil Airflow		r DB/W	B/HR gr/lb	Leave °F	DB/\ °F	WB/HR gr/lb	Gros	AREA s Total	S Glas	s (%)	HEAT	ING COIL S CapacityCoil MBh			Lvg °F
Main Clg Aux Clg	1.2 0.0	14.1 0.0	12.4 0.0	553 0	75.0 0.0	61.1 0.0	58.1 0.0	55.0 5 0.0	52.1 0.0	53.5 0.0	Floor Part	912 0			Main Htg Aux Htg	-2.3 0.0	553 0	70.0 0.0	73.7 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door ExFlr	1			Preheat	0.0	0	0.0	0.0
Total	1.2	14.1									Roof Wall Ext Door	912 380	0 80 0	0 21	Humidif Opt Vent <i>Total</i>	0.0 0.0 -2.3	0 0	0.0 0.0	0.0 0.0

Project Name: HOPE HAMMOCK Dataset Name: HOPE HAMMOCK LOADS.TRC

UNIT C EXTERIOR

Single Zone

(COOLING	COIL PEAK			CLG SPAC	E PEAK	,	HEATING CO	DIL PEAK		ТЕМРЕ	RATURE	S
	d at Time: utside Air:	Mo/H OADB/WB/HF	lr: 7 / 16 R: 88 / 78 /	133	Mo/Hr: OADB:	Sum of Peaks		Mo/Hr: He OADB: 3	eating Design 8		SADB Ra Plenum	Cooling 55.0 83.3	Heating 74.1 65.9
	Space	Plenum		Percent		Percent		Space Peak	Coil Peak I		Return	75.0	70.0
		Sens. + Lat		Of Total				Space Sens	Tot Sens (Ret/OA	75.0	70.0
Envelope Loads	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Envelope Loads	Btu/h	Btu/h	(%)	Fn MtrTD Fn BldTD	0.0 0.0	0.0 0.0
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00		0.0	0.0
Roof Cond	Ő	1.555	1.555	11	-	Ő	Roof Cond	Ő	-847	31.93			
Glass Solar	870	0	870	6		7	Glass Solar	Ő	0	0.00	AIR	FLOWS	
Glass/Door Cond	161	Ō	161	1	185	1	Glass/Door Cond	-609	-609	22.94			Heating
Wall Cond	1,042	354	1,397	10	900	7	Wall Cond	-875	-1,197	45.13		Cooling	-
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	Diffuser	575	575
Floor	0		0	0		0	Floor	0	0	0.00	Terminal	575	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	575	0.0
Infiltration	0		0	0	-	0	Infiltration	0	0	0.00	Sec Fan	0	0
Sub Total ==>	2,073	1,909	3,982	27	1,922	15	Sub Total ==>	-1,484	-2,653	100.00	Nom Vent	0	0
Internal Loads							Internal Loads				AHU Vent	0	0
Lights	2.485	621	3.106	21	2,485	19	Lights	0	0	0.00	MinStop/Rh	0	0
People	3.500	0	3.500	24		14	People	Ő	õ	0.00	Return	575	575
Misc	4,096	Ő	4,096	28		32	Misc	Ő	Õ	0.00	Exhaust	0	0
Sub Total ==>	10,080	621	10,701	73	8,330	65	Sub Total ==>	0	0	0.00	Rm Exh	0	0
											Auxiliary	0	0
Ceiling Load	2,397	-2,397	0	0		20	Ceiling Load	-1,170	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	-	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Hea	at O		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Sizi	ing		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0		0	Exhaust Heat		0	0.00	ENGINE	ERING C	KS
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00		Cooling	Heating
Sup. Fan Heat		0	0	0			RA Preheat Diff.		0	0.00	% OA	0.0	Heating 0.0
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	cfm/ft ²	0.63	0.63
Duct Heat Pkup	Pkup	0	0	0			Undorfir Sun Ht Dku	n	0	0.00	cfm/ton	469.91	0.05
Underflr Sup Ht F Supply Air Leaka		0	0	0			Underflr Sup Ht Pku Supply Air Leakage	h	0	0.00	ft²/ton	743.67	
Suppry All Leaka	ye	0	0	0			Supply All Leakage		0	0.00	Btu/hr·ft ²	16.14	-2.92
Grand Total ==>	14,550	134	14,684	100.00	12.820	100.00	Grand Total ==>	-2,653	-2,653	100.00	No. People	10.14	-2.92
	14,000	104	14,004	100.00	12,020	100.00		-2,000	-2,000	100.00	No. Feople	1	

	Total C ton	apacity MBh	COOLING Sens Cap. MBh	COIL SEI Coil Airflow		r DB/W	B/HR gr/lb	Leave D °F	рв/м °F	VB/HR gr/lb	Gros	AREA s Total	S Glas ft²	s (%)	HEAT	ING COIL S CapacityCoi MBh			Lvg °F
Main Clg Aux Clg	1.2 0.0	14.7 0.0	12.9 0.0	575 0	75.0 0.0	61.1 0.0	58.2 0.0	55.0 52 0.0 0	2.1).0	53.5 0.0	Floor Part	910 0			Main Htg Aux Htg	-2.7 0.0	575 0	70.0 0.0	74.1 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0 0	0.0	0.0	Int Door ExFir	1			Preheat	0.0	0	0.0	0.0
Total	1.2	14.7									Roof Wall	910 508	0 80	0 16	Humidif Opt Vent	0.0 0.0	0 0	0.0 0.0	0.0 0.0
											Ext Door	0	0	0	Total	-2.7			

Project Name: HOPE HAMMOCK Dataset Name: HOPE HAMMOCK LOADS.TRC

PROJECT INFORMATION

PROJECT ADDRESS: 550 BROWN AVENUE TITUSVILLE, FLORIDA

AUTHORITY HAVING JURISDICTION: CITY OF TITUSVILLE

OWNER: COMMUNITY OF BREVARD

4515 S. BABCOCK STREET, PALM BAY FLORIDA 32905 (321) 474-0966 HOPPER.STEPH@GMAIL.COM

ARCHITECT: TSARK ARCHITECTURE 1990 W. NEW HAVEN SUITE 306 MELBOURNE, FL 32904 PHONE: 321-241-6378

CIVIL ENGINEER/LANDSCAPE DESIGN: CONSULTING CIVIL ENGINEERS INC. 3650 BOBBI LANE, SUITE 119 TITUSVILLE FLORIDA 32780 (321) 269-9930

STRUCTURAL ENGINEER: NOBLE STRUCTURAL GROUP, INC. 840 N. COCOA BLVD., SUITE B COCOA, FLORIDA 32926 PHONE: (321) 635-9344

MECHANICAL ENGINEER: CONSTRUCTION ENGINEERING GROUP 2651 W. EAU GALLIE BLVD SUITE A, MELBOURNE, FL 32935 PHONE: (321) 253-1221

ELECTRICAL ENGINEER: CONSTRUCTION ENGINEERING GROUP 2651 W. EAU GALLIE BLVD SUITE A, MELBOURNE, FL 32935

GENERAL CONTRACTOR: NAME: TBD

PHONE: (321) 253-1221

ADDRESS: TBD PHONE: TBD

PROJECT SUMMARY: THIS PROJECT IS A NEW SINGLE STORY, MULTI-FAMILY, MASONRY STRUCTURE.

APPLICABLE CODES:

- FLORIDA BUILDING CODE, 7TH EDITION FBC FBC ACCESSIBILITY CODE, 7TH EDITION FBC-A
- FBC-M FBC MECHANICAL CODE, 7TH EDITION
- FBC ELECTRICAL CODE, NEC FBC-E FBC ENERGY CONSERVATION CODE, 7TH EDITION FBC-EC
- FBC-P FBC PLUMBING CODE, 7TH EDITION
- FBC-F FBC FUEL GAS CODE, 7TH EDITION FFPC FLORIDA FIRE PREVENTION CODE, 6TH EDITION (NFPA 101)

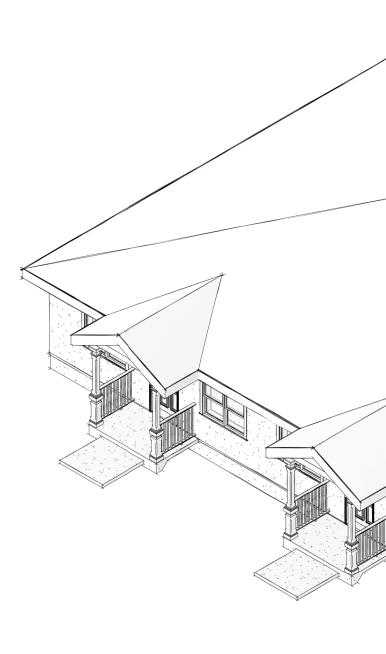
COMPLIANCE STATEMENT: REVIEW AND APPROVAL BY THE AUTHORITY HAVING JURISDICTION SHALL NOT RELIEVE THE APPLICANT OF THE RESPONSIBILITY OF COMPLIANCE WITH THESE CODES. TO THE BEST OF OUR KNOWLEDGE, THESE DOCUMENTS COMPLY WITH THE APPLICABLE MINIMUM CODES AND STANDARDS AS SET FORTH BY THE FLORIDA BUILDING CODE AND GOVERNING FLORIDA STATUTES.

ABBREVIATIONS

A /O	
A/C	AIR CONDITIONING
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE, ALTERNATIVE
ALUM	ALUMINUM
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
AV	AUDIOVISUAL
BLDG	BUILDING
BO	BOTTOM OF
CLG	CEILING
CLG HT	CEILING HEIGHT
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY
01110	
	UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUE, CONTINUOUS
CORR	CORRIDOR
DEMO	DEMOLISH
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIV	DIVISION
Е	EAST
EA	EACH
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXT	EXTERIOR
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER
	CABINET
FIN FLR	FINISHED FLOOR
FLR	FLOOR
FT	FOOT, FEET
FURN	FURNITURE
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GYP BD	GYPSUM BOARD
HC	HANDICAP
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION &
	AIR CONDITIONING
INCL	INCLUDE(D), (ING)
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
KIT	KITCHEN
LAB	LABOATORY
LAV	
1 4 1/	
	LAVATORY
	LAVATORY
LF	

MAINT MAINTENANCE MATL MATERIAL MAX MAXIMUM MECH MECHANICAL MEZZ MEZZANINE MFG MANUFACTURING MFR MANUFACTURER MIN MINUMUM MISC MISCELLANEOUS MR MOISTURE RESISTANT MTG MOUNTING NORTH Ν NIC NOT IN CONTRACT NOM NOMINAL NTS NOT TO SCALE OC ON CENTER OPT OPTION(AL) PLAM PLASTIC LAMINATE PLF POUNDS PER LINEAR FEET PLYWD PLYWOOD PR PAIR PREFAB PREFABRICATED PREFIN PREFINISH PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH QTY QUANTITY RCP REFLECTED CEILING PLAN ROOF DRAIN RD REF REFRIGERATOR, REFERENCE REQD REQUIRED RM ROOM RO ROUGH OPENING S SOUTH SC SOLID CORE SD STORM DRAIN SECT SECTION SF SQUARE FEET SIM SIMILAR SPEC SPECIFICATION SQ SS SQUARE STAINLESS STEEL STD STANDARD STOR STORAGE SUSP SUSPENDED SYS SYSTEM TD TRAVEL DISTANCE TEL TELEPHONE TEMP TEMPORARY THRU THROUGH TO TOP OF TRTD TREATED ΤV TELEVISION TYP TYPICAL UNO UNLESS NOTED OTHERWISE VERT VERTICAL VEST VESTIBULE VIF VERIFY IN FIELD WEST, WIDE W WITH W/ W/O WITHOUT WC WATER CLOSET WD WOOD WΤ WEIGHT

Hope Hammock of Titusville - Phase 2 Titusville, Florida





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GENERAL REQUIREMENTS & SUBMITTAL PROCEEDURES

ARCHITECTURAL SPECIFICATIONS

DIMENSION PLAN

FLOOR PLAN PARTITION TYPES

REFERENCE PLAN/LIFE SAFETY PLAN

A101

A102

A201



REV REV DATE

GENERAL REQUIREMENTS

1. THE ARCHITECT HAS PREPARED THIS SET OF DOCUMENTS BASED ON VISUAL INSPECTION OF THE EXISTING PREMISES AND ON INFORMATION PROVIDED BY THE OWNER

2. IN THE EVENT OF A DISCREPANCY IN THE COMSTRUCTION DOCUMENTS. THE PREVAILING ORDER SHALL BE:

- A. CONTRACT FOR CONSTRUCTION
- B. GENERAL REQUIREMENTS
- C. SPECIAL REQUIREMENTS
- D. OWNER'S PUBLISHED DESIGN STANDARDS, IF APPLICABLE
- E. SPECIFICATIONS
- F. DETAILS ON DRAWINGS
- G. PLAN DRAWINGS

3. THE CONTRACTOR SHALL PROVIDE ALL WORK NECESSARY TO ENSURE A FUNCTIONAL FACILITY UPON COMPLETION OF THE PROJECT

4. USE FIGURED DIMENSIONS. DO NOT SCALE DRAWINGS. WHERE DIMENSIONS ARE SHOWN WITH A "±", ADJUSTMENTS MAY BE MADE TO SUIT FIELD CONDITIONS.

5. TO ESTABLISH THE COMPREHENSIVE SCOPE OF WORK AND TO ASSURE COORDINATION WITH OTHER TRADES, EACH SUBCONTRACTOR SHALL COMPLETELY REVIEW THE PLANS, NOT ONLY FOR HIS OR HER RESPECTIVE TRADE, BUT FOR THE WORK OF OTHER TRADES AS WELL. THE DOCUMENTS ARE INTERDEPENDENT. ONCE THE CONTRACTOR OR SUBCONTRACTOR HAS COMMENCED WITH HIS WORK. IT SHALL BE ASSUMED THAT HE HAS ACCEPTED THE CONDITIONS IN THE FIELD TO BE CORRECT AND RIGHT FOR THE INSTALLATION OF HIS WORK.

6. ALL SUBCONTRACTORS SHALL BE LICENSED TO OPERATE IN BREVARD COUNTY, FLORIDA.

7. OWNER SHALL RETAIN ALL SALVAGE RIGHTS UNTIL THE RIGHTS ARE RELEASED BY THE OWNER.

8. ACCURATE RECORD DOCUMENTS ARE TO BE RECORDED FOR LOCATIONS OF UNDERGROUND STRUCTURES AND UTILITIES.

9. EACH SUBCONTRACTOR SHALL CALL FOR UTILITY LOCATES OR COORDINATE DIRECTLY WITH THE GENERAL CONTRACTOR PRIOR TO ALL DIGGING OPERATIONS.

10.ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY, STATE AND LOCAL ENVIRONMENTAL LAWS AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION. PERMITS SHALL BE POSTED AT THE JOBSITE.

11. CONSTRUCTION SHALL COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.

12.NO ASBESTOS CONTAINING BUILDING MATERIALS MAY BE USED DURING CONSTRUCTION.

13.CONTRACTOR SHALL WARRANT THE PROJECT AREA FOR A TERM OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT, REGARDLESS OF PARTIAL OCCUPANCY.

14. PROVIDE PRODUCTS HAVING "ENERGY STAR" CERTIFICATIONS WHEN AVAILABLE. 15. CONTRACTOR SHALL PROVIDE A CONSTRUCTION ACCESS AND STAGING AREA PLAN

FOR OWNER'S APPROVAL. 16.THE PROJECT SHALL HAVE FULL TIME, CONSTRUCTION REPRESENTATION DURING ALL HOURS OF OPERATION. THIS REPRESENTATION CAN BE IN THE FORM OF A

17. CONTRACTOR SHALL PROVIDE A SAFETY BARRIER TO PREVENT INTERACTIONS BETWEEN THE PUBLIC AND THE JOBSITE.

18.WORKING HOURS SHALL BE COORDINATED WITH, AND APPROVED BY, THE OWNER.

19.ALTERNATES MAY BE USED AS REQUIRED BY THE SCOPE OF WORK. THESE WILL BE DETERMINED BY THE ARCHITECT AND USED UNDER THE DIRECTION OF THE OWNER'S

20.0WNER WILL REQUIRE AN OWNER DIRECT PURCHASE ORDER (ODP) PROGRAM FOR ALL MATERIAL PURCHASES OVER \$5000.00. RESULTING SALES TAX SAVINGS WILL SOLELY BENEFIT THE OWNER.

21. PROGRESS PAYMENTS ARE TO BE SUBMITTED MONTHLY.

PROJECT MANAGER OR SUPERINTENDENT.

REPRESENTATIVE.

22.A SCHEDULE OF VALUES SHALL BE SUBMITTED AND APPROVED PRIOR TO THE INITIAL PAY REQUEST.

23.A DAILY REPORT IS TO BE KEPT BY THE CONTRACTOR AND A WEEKLY REPORT IS TO BE SUBMITTED TO THE OWNER'S REPRESENTATIVE SHOWING THE CURRENT PROJECT STATUS, TWO WEEK LOOK-AHEAD, ISSUES AND PROBLEMS, PERMIT STATUS AND PERCENT COMPLETE.

24.CONTRACTOR IS TO PROVIDE A COMPLETE SUBMITTAL REQUIREMENT MATRIX FOR EACH PRODUCT LISTING ALL ANTICIPATED SUBMITTALS CROSS REFERENCED WITH THE SECTION NUMBER.

25.ALL TRAINING VIDEOS SHALL BE DIGITALLY RECORDED AND SUBMITTED TO THE OWNER.

26.COORDINATION MEETINGS SHALL HAVE AN AGENDA PREPARED BY AND MEETING MINUTES TAKEN BY THE CONTRACTOR. 27. CONTRACTOR IS TO HOLD WEEKLY COORDINATION MEETINGS, INVITING BOTH THE

OWNER'S REPRESENTATIVE AND THE ARCHITECT. 28. THE CONSTRUCTION SCHEDULE WILL BE UPDATED MONTHLY AT EACH PAY REQUEST

AND BE REVIEWED AT THAT TIME AS A CONDITION OF THE PAY APPLICATION. 29.ALL SUBSTITUTION REQUESTS FROM THE CONTRACTOR SHALL BE REVIEWED BY THE ARCHITECT AND ACCEPTED/REJECTED BY THE OWNER'S REPRESENTATIVE, BASED

ON THE ARCHITECT'S RECOMMENDATION, PRIOR TO INCORPORATION IN THE WORK. 30.FLORIDA PRODUCT APPROVAL NUMBERS SHALL BE SUBMITTED BY THE CONTRACTOR FOR BUILDING COMPONENTS SUCH AS EXTERIOR DOORS, WINDOWS, PANELS, ROOFING PRODUCTS, SHUTTERS, SKYLIGHTS, LOUVERS, AND OTHER

31. THROUGHOUT THE DURATION OF CONSTRUCTION, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO ENSURE THE BUILDING REMAIN IN DRIED-IN CONDITION AND PREVENT UNLAWFUL ENTRY INTO THE CONSTRUCTION SITE.

PRODUCTS COMPRISING THE BUILDING ENVELOPE.

32.ALL PROJECT COORDINATION MEETINGS WILL HAVE AN AGENDA PREPARED BY AND MEETING MINUTES TAKEN BY THE CONTRACTOR.

33.CONTRACTOR TO PROVIDE FINAL CLEANING. THE OWNER RESERVES THE RIGHT TO PROVIDE CLEANING SERVICES WHEN CLEAN-UP HAS NOT BEENPROVIDED TO THE SATISFACTION OF THE OWNER. ASSOCIATED COSTS WILL BE DEDUCTED FROM THE CONTRACTOR'S FINAL PAYMENT.

34.THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING WITH AND COORDINATION OF MATERIALS TESTING AS PART OF QUALITY ASSURANCE. THE TESTING AGENCY IS TO COPY THE OWNER AND THE ARCHITECT ON ALL REPORTS. 35. THE CONTRACTOR IS TO PRESERVE AND PROTECT ALL EXISTING VEGETATION SUCH AS TREES, SHRUBS, AND GRASS ADJACENT TO THE SITE WORK WHICH IS NOT TO BE REMOVED AND WHICH DOES NOT INTERFERE WITH THE CONSTRUCTION WORK. THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER, SHALL REPLACE DAMAGED VEGETATION RESULTING FROM CONTRACTORS OPERATIONS WITH A COMPARABLE SPECIMEN.

36. THE CONTRACTOR'S CONSTRUCTION SCHEDULE SHALL BE IN THE FORM OF A CPM TYPE SCHEDULE USING PRIMAVERA SOFTWARE (P3 OR SURETRACK). A LINEAR BAR CHART SCHEDULE MAY BE ACCEPTABLE FOR SHORT DURATION PROJECTS AT THE OWNER'S DISCRETION.

37.ALL MATERIAL SAFETY DATA SHEETS ON ANY HAZARDOUS PRODUCT SHALL BE KEPT ON FILE AT JOBSITE, AND INCLUDED IN CLOSE-OUT DOCUMENTATION.

38. THE CONTRACTOR SHALL PROTECT UNDERGROUND AND OVERHEAD UTILITIES AT ALL TIMES. ADDITIONAL CARE SHALL BE TAKEN WHEN THE CONTRACTOR IS REQUIRED TO TIE INTO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE OWNER 72 HOURS IN ADVANCE TO SCHEDULE UTILITY CONNECTIONS. THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER, SHALL REPAIR ANY AND ALL DAMAGE TO UTILITIES RESULTING FROM CARELESS OPERATIONS.

39. CONTRACTOR IS TO PROVIDE A PROJECT CONSTRUCTION SIGN OF WATER-RESISTANT CONSTRUCTION. COPY AND DESIGN OF THE CONSTRUCTION SIGN SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE AND ARCHITECT. NO OTHER MARKETING SIGNAGE WILL BE PERMITTED.

40. FINAL SUBMITTAL SHALL INCLUDE TWO COPIES OF THE OPERATION AND MAINTENANCE DATA BINDERS FOR THE OWNER'S USE THAT NOTES CONTRACTOR LISTINGS, PRODUCTS, AND WARRANTY INFORMATION.

41.ALL SHELVING, CABINETRY AND CASEWORK SHALL HAVE 2x WOOD BLOCKING AND/OR PLYWOOD BACKER BOARD SUPPORT AS REQUIRED

42. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING LADDERS OR OTHER MEANS OF ACCESS TO THE AUTHORITY HAVING JURISDICTION (AHJ), ARCHITECT, ENGINEER, AND SBBC FOR REQUIRED OBSERVATIONS AND INSPECTIONS.

43. THE QUANTITY OF SUBMITTALS THAT WILL BE REQUIRED FOR THE PROJECT INCLUDING THE NUMBER OF SAMPLES, PRODUCT DATA AND SHOP DRAWINGS REQUIRED TO BE DETERMINED.

44.CONTRACTOR SHALL WARRANT THE PROJECT FOR A TERM OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT REGARDLESS OF PARTIAL OCCUPANCY.

45.ALL EXITS SHALL COMPLY WITH FLORIDA ACCESSIBILITY CODE FOR LEVEL ENTRY; SEE FBC, ACCESSIBILITY, SECTION 303; CHANGES IN LEVEL.

46.CONTRACTORS SHALL INCLUDE FOUR PRINTED COPIES OF THE RECORD DRAWINGS ALONG WITH ONE ELECTRONIC COPY WITH CLOSE-OUT DOCUMENTATION.

47. THE CONTRACTOR IS TO PROVIDE FINAL CLEANING. THE OWNER RESERVES THE RIGHT TO PROVIDE CLEANING SERVICES WHEN CLEAN-UP HAS NOT BEEN PROVIDED TO THE SATISFACTION OF THE OWNER. ASSOCIATED COSTS WILL BE DEDUCTED FROM THE CONTRACTOR'S FINAL PAYMENT.

48.CONSTRUCTION OF WORK INDICATED ON THE DRAWINGS AS (N.I.C.) IS NOT IN CONTRACT.

49.ALL WORK SHALL BE OF BEST PRACTICE OF EACH TRADE.

50. TERMITE TREATMENT SHALL BE COMPLETED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1816. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY.

51.WHERE GYPSUM BOARD LAYERS DIFFER BETWEEN TWO ADJOINING WALLS, MAINTAIN A CONTINUOUS FINISH OF WALL.

52.ELECTROLYTIC PROTECTION SHALL BE PROVIDED BETWEEN DISSIMILAR METALS WHENEVER THE TWO ARE IN CONTACT.

53. DETAILS NOT SHOWN ARE SIMILAR IN NATURE TO THOSE DETAILED. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT ARCHITECT BEFORE PROCEEDING WITH THE WORK TYPICAL DETAILS. APPLY AT ALL SIMILAR CONDITIONS WHETHER CROSS REFERENCED OR NOT.

54.0PEN EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALL AND ROOF, BETWEEN WALL PANELS, AT PENETRATIONS OF UTILITIES THROUGH THE BUILDING ENVELOPE SHALL BE SEALED W/ BACKER ROD IF REQUIRED, FLASHED OR WEATHER-STRIPPED AS REQUIRED FOR COMPATIBILITY WITH ADJACENT MATERIALS TO ELIMINATE AIR LEAKAGE AND WATER INFILTRATION, AND TO MEET THE REQUIREMENTS OF THE FLORIDA MODEL ENERGY CODE AS APPLICABLE.

55.A 20 YEAR "NO DOLLAR LIMIT" WARRANTY WILL BE PROVIDED FOR ALL ROOFING.

56. PROVIDE PROPER ANCHORAGE OF ESSENTIAL EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES.

57.PROVIDE PROPER ANCHORAGE OF ESSENTIAL EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES. WOOD BLOCKING IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

58. CONTRACTOR TO INCLUDE FOUR PRINTED COPIES OF THE RECORD DRAWINGS ALONG WITH ONE ELECTRONIC COPY ON CD ROM.

59. PROVIDE ACCESS PANELS FOR MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED BY APPLICABLE CODES.

60.PROVIDE AND INSTALL ALL STIFFENERS, BRACINGS, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE BEST POSSIBLE INSTALLATION AND REQUIRED MINIMUM LATERAL FORCE OF ALL TOILET/RESTROOM ACCESSORIES AND PARTITIONS AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL OR MISCELLANEOUS EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES.

61.CEILING HEIGHT DIMENSIONS ARE FROM DESIGNATED FINISHED FLOOR SURFACE TO FINISHED CEILING SURFACES UNLESS NOTED OTHERWISE.

62.GLAZING SUBJECT TO HUMAN IMPACT AS IDENTIFIED IN APPLICABLE CODES SHALL BE SAFETY GLAZING MATERIAL. EACH LIGHT OF LAMINATED OR TEMPERED GLAZING SHALL BE IDENTIFIED BY A PERMANENT LABEL, WHICH SPECIFIES THE LABELER, OR MANUFACTURER AND THAT SAFETY GLAZING MATERIAL HAS BEEN UTILIZED.

63.SEE PRE-ENGINEERED STRUCTURE SHOP DRAWINGS FOR STRUCTURAL CALCULATIONS, ROOF DETAILS, ROOF PRODUCT INFORMATION, COLUMN AND BEAM SCHEDULES AND FOUNDATION AND CONNECTION DETAILS.

64.MOUNT FIRE EXTINGUISHERS AT 4'-0" A.F.F. MEASURED TO THE CENTERLINE OF HANDLE.

65.LIGHT FIXTURE COLOR SELECTIONS SHALL BE BY THE ARCHITECT, AND EXPRESSLY RECEIVED IN WRITING FROM THE ARCHITECT. APPROVAL OF SUBMITTALS BY THE ELECTRICAL ENGINEER IS NOT AN APPROVAL OF THE LIGHT FIXTURE COLOR SELECTION.

66. THESE DRAWINGS, SPECIFICATIONS, AND ANY ADDENDA SHALL BE THE BASIS FOR THE CONTRACT FOR CONSTRUCTION BETWEEN THE GENERAL CONTRACTOR AND THE OWNER. THE RESPONSIBILITIES OF THE OWNER, ARCHITECT, AND GENERAL CONTRACTOR SHALL BE AS DESCRIBED IN AIA DOCUMENT A201-2017 - GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION.

SUBMITTAL PROCEDURES

PART 1 - GENERAL 1.1 SUMMARY

- A. THIS SECTION INCLUDES ADMINISTRATIVE AND PROCEDURAL REQUIREMENTS FOR SUBMITTING SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER MISCELLANEOUS SUBMITTALS.
- **1.2 DEFINITIONS**
- A. ACTION SUBMITTALS: WRITTEN AND GRAPHIC INFORMATION THAT REQUIRES ARCHITECT'S/ENGINEER'S RESPONSIVE ACTION.
- B. INFORMATIONAL SUBMITTALS: WRITTEN INFORMATION THAT DOES NOT REQUIRE ARCHITECT'S/ENGINEER'S APPROVAL, SUBMITTALS MAY BE REJECTED FOR NOT COMPLYING WITH REQUIREMENTS.
- 1.3 SUBMITTAL PROCEDURES
- A. GENERAL: ELECTRONIC COPIES (.PDF ONLY) OF DRAWINGS OF THE CONTRACT DRAWINGS WILL BE PROVIDED BY ARCHITECT/ENGINEER FOR CONTRACTOR'S USE IN PREPARING SUBMITTALS.
- B. CONTRACTOR SHALL SUBMIT SOFT COPIES OF PRODUCT DATA, SHOP DRAWINGS, AND PHYSICAL COPIES OF SAMPLES.
- C. ALL SUBMITTED SHOP DRAWINGS SHALL HAVE ENHANCEMENT OR ADDITIONAL DETAILS THAN THAT OF THE ARCHITECT'S/ENGINEER'S, REFLECTING TYPES OF MATERIAL ALREADY SUBMITTED FOR APPROVAL AND APPROVED BY THE ARCHITECT/ENGINEER AND REFLECTING ALL NECESSARY EQUIPMENT, IF ANY, OR ELSE THE SUBMITTED SHOP DRAWING SHALL NOT BE CONSIDERED AS COMPLETE.
- D. COORDINATION: COORDINATE PREPARATION AND PROCESSING OF SUBMITTALS WITH PERFORMANCE OF CONSTRUCTION ACTIVITIES.
- E. PROCESSING TIME: ALLOW ENOUGH TIME FOR SUBMITTAL REVIEW, INCLUDING TIME FOR RESUBMITTALS, AS FOLLOWS, TIME FOR REVIEW SHALL COMMENCE ON ARCHITECT'S/ENGINEER'S RECEIPT OF SUBMITTAL.
- a. INITIAL REVIEW: ALLOW UP TO 14 DAYS FOR INITIAL REVIEW OF EACH SUBMITTAL. ALLOW ADDITIONAL TIME IF PROCESSING MUST BE DELAYED TO PERMIT COORDINATION WITH SUBSEQUENT SUBMITTALS. ARCHITECT/ENGINEER WILL ADVISE CONTRACTOR WHEN A SUBMITTAL BEING PROCESSED MUST BE DELAYED FOR COORDINATION.
- b. CONCURRENT REVIEW: WHERE CONCURRENT REVIEW OF SUBMITTALS BY ARCHITECT'S/ENGINEER'S CONSULTANTS, OWNER, OR OTHER PARTIES IS REQUIRED, ALLOW UP TO 21 DAYS FOR INITIAL REVIEW OF EACH SUBMITTAL
- c. NO EXTENSION OF THE CONTRACT TIME WILL BE AUTHORIZED BECAUSE OF FAILURE TO TRANSMIT SUBMITTALS ENOUGH IN ADVANCE OF THE WORK TO PERMIT PROCESSING.
- F. IDENTIFICATION: PLACE A LABEL OR TITLE BLOCK ON EACH SUBMITTAL FOR IDENTIFICATION.
- a. INDICATE NAME OF FIRM OR ENTITY THAT PREPARED EACH SUBMITTAL ON LABEL OR TITLE BLOCK.
- b. PROVIDE A SPACE APPROXIMATELY 4 BY 5 INCHES (100 BY 125 MM) ON LABEL OR BESIDE TITLE BLOCK TO RECORD CONTRACTOR'S REVIEW AND APPROVAL MARKINGS AND ACTION TAKEN BY ARCHITECT/ENGINEER.
- c. INCLUDE THE FOLLOWING INFORMATION ON LABEL FOR PROCESSING AND RECORDING ACTION TAKEN: PROJECT NAME.
- DATE.
- NAME OF ARCHITECT/ENGINEER. NAME OF CONTRACTOR
- NAME OF SUBCONTRACTOR. NAME OF SUPPLIER.
- NAME OF MANUFACTURER
- UNIQUE IDENTIFIER, INCLUDING REVISION NUMBER. NUMBER AND TITLE OF APPROPRIATE SPECIFICATION SECTION.
- DRAWING NUMBER AND DETAIL REFERENCES, AS APPROPRIATE.
- G. DEVIATIONS: HIGHLIGHT, ENCIRCLE, OR OTHERWISE IDENTIFY DEVIATIONS FROM THE CONTRACT DOCUMENTS ON SUBMITTALS.
- H. TRANSMITTAL: ARCHITECT/ENGINEER WILL RETURN SUBMITTALS, WITHOUT REVIEW, RECEIVED FROM SOURCES OTHER THAN CONTRACTOR.
- a. ON AN ATTACHED SEPARATE SHEET, PREPARED ON CONTRACTOR'S LETTERHEAD, RECORD RELEVANT INFORMATION, REQUESTS FOR DATA, REVISIONS OTHER THAN THOSE REQUESTED BY ARCHITECT/ENGINEER ON PREVIOUS SUBMITTALS, AND DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS, INCLUDING MINOR VARIATIONS AND LIMITATIONS. INCLUDE THE SAME LABEL INFORMATION AS THE RELATED SUBMITTAL.
- b. INCLUDE CONTRACTOR'S CERTIFICATION STATING THAT INFORMATION SUBMITTED COMPLIES WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- I. DISTRIBUTION: FURNISH COPIES OF FINAL SUBMITTALS TO MANUFACTURERS, SUBCONTRACTORS, SUPPLIERS, FABRICATORS, INSTALLERS, AUTHORITIES HAVING JURISDICTION, AND OTHERS AS NECESSARY FOR PERFORMANCE OF CONSTRUCTION ACTIVITIES.
- J. USE FOR CONSTRUCTION: USE ONLY FINAL SUBMITTALS WITH MARK INDICATING ACTION TAKEN BY ARCHITECT/ENGINEER IN CONNECTION WITH CONSTRUCTION.

PART 2 - PRODUCTS 2.1 ACTION SUBMITTALS

- A. GENERAL: PREPARE AND SUBMIT ACTION SUBMITTALS REQUIRED BY CONTRACT DOCUMENTS.
- B. NUMBER OF COPIES: SUBMIT COPIES OF EACH SUBMITTAL, AS FOLLOWS, UNLESS OTHERWISE INDICATED:
- a. INITIAL SUBMITTAL: SUBMIT A PRELIMINARY SINGLE COPY OF EACH SUBMITTAL WHERE SELECTION OF OPTIONS, COLOR, PATTERN, TEXTURE, OR SIMILAR CHARACTERISTICS IS REQUIRED. ARCHITECT/ENGINEER, WILL RETURN SUBMITTAL WITH OPTIONS SELECTED.
- b. FINAL SUBMITTAL: SUBMIT THREE COPIES, UNLESS COPIES ARE REQUIRED FOR OPERATION AND MAINTENANCE MANUALS. SUBMIT FIVE COPIES WHERE COPIES ARE REQUIRED FOR OPERATION AND MAINTENANCE MANUALS. ARCHITECT/ENGINEER WILL RETAIN TWO COPIES; DIVISION 01 GENERAL REQUIREMENTS TENDER DOCUMENTS-SPECIFICATIONS REMAINDER WILL BE RETURNED. MARK UP AND RETAIN ONE RETURNED COPY AS A PROJECT RECORD DOCUMENT.
- C. PRODUCT DATA: COLLECT INFORMATION INTO A SINGLE SUBMITTAL FOR EACH ELEMENT OF CONSTRUCTION AND TYPE OF PRODUCT OR EQUIPMENT.
- D. IF INFORMATION MUST BE SPECIALLY PREPARED FOR SUBMITTAL BECAUSE STANDARD PRINTED DATA ARE NOT SUITABLE FOR USE, SUBMIT AS SHOP DRAWINGS, NOT AS PRODUCT DATA.
- E. MARK EACH COPY OF EACH SUBMITTAL TO SHOW WHICH PRODUCTS AND OPTIONS ARE APPLICABLE
- F. INCLUDE THE FOLLOWING INFORMATION, AS APPLICABLE: a. MANUFACTURER'S WRITTEN RECOMMENDATIONS.
- b. MANUFACTURER'S PRODUCT SPECIFICATIONS. c. MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- d. STANDARD COLOR CHARTS.
- e. MANUFACTURER'S CATALOG CUTS.
- f. WIRING DIAGRAMS SHOWING FACTORY-INSTALLED WIRING. q. PRINTED PERFORMANCE CURVES.
- h. OPERATIONAL RANGE DIAGRAMS.
- i. MILL REPORTS. STANDARD PRODUCT OPERATING AND MAINTENANCE MANUALS.
- k. COMPLIANCE WITH RECOGNIZED TRADE ASSOCIATION STANDARDS.

- G. SHOP DRAWINGS: PREPARE PROJECT-SPECIFIC INFORMATION, DRAWN ACCURATELY TO SCALE. DO NOT BASE SHOP DRAWINGS ON REPRODUCTIONS OF THE CONTRACT DOCUMENTS OR STANDARD PRINTED DATA.
- H. SAMPLES: PREPARE PHYSICAL UNITS OF MATERIALS OR PRODUCTS, INCLUDING THE FOLLOWING:
- a. SAMPLES FOR INITIAL SELECTION: SUBMIT MANUFACTURER'S COLOR CHARTS CONSISTING OF UNITS OR SECTIONS OF UNITS SHOWING THE FULL RANGE OF COLORS, TEXTURES, AND PATTERNS AVAILABLE.
- b. SAMPLES FOR VERIFICATION: SUBMIT FULL-SIZE UNITS OR SAMPLES OF SIZE INDICATED, PREPARED FROM THE SAME MATERIAL TO BE USED FOR THE WORK, CURED AND FINISHED IN MANNER SPECIFIED, AND PHYSICALLY IDENTICAL WITH THE PRODUCT PROPOSED FOR USE, AND THAT SHOW FULL RANGE OF COLOR AND TEXTURE VARIATIONS EXPECTED. SAMPLES INCLUDE. BUT ARE NOT LIMITED TO, THE FOLLOWING: PARTIAL SECTIONS OF MANUFACTURED OR FABRICATED COMPONENTS: SMALL CUTS OR CONTAINERS OF MATERIALS; COMPLETE UNITS OF REPETITIVELY USED MATERIALS; SWATCHES SHOWING COLOR, TEXTURE, AND PATTERN; COLOR RANGE SETS: AND COMPONENTS USED FOR INDEPENDENT TESTING AND INSPECTION
- . PREPARATION: MOUNT, DISPLAY, OR PACKAGE SAMPLES IN MANNER SPECIFIED TO FACILITATE REVIEW OF QUALITIES INDICATED. PREPARE SAMPLES TO MATCH ARCHITECT'S/ENGINEER'S SAMPLE WHERE SO INDICATED. ATTACH LABEL ON UNEXPOSED SIDE THAT INCLUDES THE FOLLOWING:
- GENERIC DESCRIPTION OF SAMPLE. PRODUCT NAME OR NAME OF MANUFACTURER. SAMPLE SOURCE.
- d. ADDITIONAL INFORMATION: ON AN ATTACHED SEPARATE SHEET, PREPARED ON CONTRACTOR'S LETTERHEAD, PROVIDE THE FOLLOWING, AS APPLICABLE:
- SIZE LIMITATIONS. COMPLIANCE WITH RECOGNIZED STANDARDS. AVAILABILITY
- DELIVERY TIME
- e. SUBMIT SAMPLES FOR REVIEW OF KIND, COLOR, PATTERN, AND TEXTURE FOR A FINAL CHECK OF THESE CHARACTERISTICS WITH OTHER ELEMENTS AND FOR A COMPARISON OF THESE CHARACTERISTICS BETWEEN FINAL SUBMITTAL AND ACTUAL COMPONENT AS DELIVERED AND INSTALLED.
- NUMBER OF SAMPLES FOR INITIAL SELECTION: SUBMIT ONE FULL SET OF AVAILABLE CHOICES WHERE COLOR, PATTERN, TEXTURE, OR SIMILAR CHARACTERISTICS ARE REQUIRED TO BE SELECTED FROM MANUFACTURER'S PRODUCT LINE. ARCHITECT/ENGINEER WILL RETURN SUBMITTAL WITH OPTIONS SELECTED.
- g. DISPOSITION: MAINTAIN SETS OF APPROVED SAMPLES AT PROJECT SITE, AVAILABLE FOR QUALITY- CONTROL COMPARISONS THROUGHOUT THE COURSE OF CONSTRUCTION ACTIVITY. SAMPLE SETS MAY BE USED TO DETERMINE FINAL ACCEPTANCE OF CONSTRUCTION ASSOCIATED WITH EACH SFT
- 2.2 INFORMATIONAL SUBMITTALS
- A. GENERAL: PREPARE AND SUBMIT INFORMATIONAL SUBMITTALS REQUIRED BY OTHER SPECIFICATION SECTIONS.
- a. CERTIFICATES AND CERTIFICATIONS: PROVIDE A NOTARIZED STATEMENT THAT INCLUDES SIGNATURE OF ENTITY RESPONSIBLE FOR PREPARING CERTIFICATION. CERTIFICATES AND CERTIFICATIONS SHALL BE SIGNED BY AN OFFICER OR OTHER INDIVIDUAL AUTHORIZED TO SIGN DOCUMENTS ON BEHALF OF THAT ENTITY.
- b. TEST AND INSPECTION REPORTS: COMPLY WITH REQUIREMENTS IN CONTRACT DOCUMENTS.
- B. CONTRACTOR'S CONSTRUCTION SCHEDULE.
- C. MATERIAL TEST REPORTS: PREPARE REPORTS WRITTEN BY A QUALIFIED TESTING AGENCY, ON TESTING AGENCY'S STANDARD FORM, INDICATING AND INTERPRETING TEST RESULTS OF MATERIAL FOR COMPLIANCE WITH REQUIREMENTS.
- D. MAINTENANCE DATA: PREPARE WRITTEN AND GRAPHIC INSTRUCTIONS AND PROCEDURES FOR OPERATION AND NORMAL MAINTENANCE OF PRODUCTS AND EQUIPMENT. COMPLY WITH GENERAL REQUIREMENTS.
- E. MANUFACTURER'S INSTRUCTIONS: PREPARE WRITTEN OR PUBLISHED INFORMATION THAT DOCUMENTS MANUFACTURER'S RECOMMENDATIONS, GUIDELINES, AND PROCEDURES FOR INSTALLING OR OPERATING A PRODUCT OR EQUIPMENT. INCLUDE NAME OF PRODUCT AND NAME, ADDRESS, AND TELEPHONE NUMBER OF MANUFACTURER. INCLUDE THE FOLLOWING, AS APPLICABLE:
- a. PREPARATION OF SUBSTRATES.

INSTALLATION OF PRODUCT.

REQUIREMENTS.

AFFECT WARRANTY.

b. UPDATED CASHFLOW.

f. VARIATION ORDERS.

g. PAYMENT CERTIFICATES.

c. SUBMITTALS LOG.

e. DAILY REPORTS.

DATE OF REPORT PREPARATION.

h. LIST OF PROBLEMS FACED ON SITE.

d. CONSTRUCTION PROGRESS PHOTOGRAPHS.

b. NOTATION OF COORDINATION REQUIREMENTS.

WAS TAKEN.

b. RECOMMENDATIONS FOR CLEANING AND PROTECTION.

SERVICE REPRESENTATIVE MAKING REPORT.

MANUFACTURER'S FIELD REPORTS: PREPARE WRITTEN INFORMATION DOCUMENTING FACTORY-AUTHORIZED SERVICE REPRESENTATIVE'S TESTS AND INSPECTIONS. INCLUDE THE FOLLOWING, AS APPLICABLE:

a. NAME, ADDRESS, AND TELEPHONE NUMBER OF FACTORY-AUTHORIZED

b. STATEMENT ON CONDITION OF SUBSTRATES AND THEIR ACCEPTABILITY FOR

c. STATEMENT THAT PRODUCTS AT PROJECT SITE COMPLY WITH

d. SUMMARY OF INSTALLATION PROCEDURES BEING FOLLOWED, WHETHER THEY COMPLY WITH REQUIREMENTS AND, IF NOT, WHAT CORRECTIVE ACTION

e. RESULTS OF OPERATIONAL AND OTHER TESTS AND A STATEMENT OF WHETHER OBSERVED PERFORMANCE COMPLIES WITH REQUIREMENTS. f. STATEMENT WHETHER CONDITIONS, PRODUCTS, AND INSTALLATION WILL

G. INSURANCE CERTIFICATES AND BONDS: PREPARE WRITTEN INFORMATION INDICATING CURRENT STATUS OF INSURANCE OR BONDING COVERAGE. INCLUDE NAME OF ENTITY COVERED BY INSURANCE OR BOND, LIMITS OF COVERAGE, AMOUNTS OF DEDUCTIBLES, IF ANY, AND TERM OF THE COVERAGE.

H. MONTHLY PROGRESS REPORT: REPORT SHALL INCLUDE THE FOLLOWING: a. SCHEDULE OF PLANNING WITH UPDATES AND CURRENT SITUATION AT THE

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I. COMPLIANCE WITH RECOGNIZED TESTING AGENCY STANDARDS.

a. APPLICATION OF TESTING AGENCY LABELS AND SEALS.

PART 3 - EXECUTION

3.1 CONTRACTOR'S REVIEW

A. REVIEW EACH SUBMITTAL AND CHECK FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. NOTE CORRECTIONS AND FIELD DIMENSIONS. MARK WITH APPROVAL STAMP BEFORE SUBMITTING TO ARCHITECT/ENGINEER.

APPROVAL STAMP: STAMP EACH SUBMITTAL WITH A UNIFORM. APPROVAL STAMP. INCLUDE PROJECT NAME AND LOCATION, SUBMITTAL NUMBER, SPECIFICATION SECTION TITLE AND NUMBER, NAME OF REVIEWER, DATE OF CONTRACTOR'S APPROVAL, AND STATEMENT CERTIFYING THAT SUBMITTAL HAS BEEN REVIEWED. CHECKED, AND APPROVED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

3.2 ARCHITECT'S/ENGINEER'S ACTION

- A. GENERAL: ARCHITECT/ENGINEER WILL NOT REVIEW SUBMITTALS THAT DO NOT BEAR CONTRACTOR'S APPROVAL STAMP AND WILL RETURN THEM WITHOUT ACTION.
- B. ACTION SUBMITTALS: ARCHITECT/ENGINEER WILL REVIEW EACH SUBMITTAL, MAKE MARKS TO INDICATE CORRECTIONS OR MODIFICATIONS REQUIRED, AND RETURN IT. ARCHITECT/ENGINEER WILL ATTACH A COVER LETTER TO EACH SUBMITTAL INDICATING AN ACTION TO BE TAKEN, AS FOLLOWS:
- a. APPROVED. b. APPROVED AS NOTED
- c. REVISE RESUBMIT
- d. REJECTED RESUBMIT.
- C. INFORMATIONAL SUBMITTALS: ARCHITECT/ENGINEER WILL REVIEW EACH SUBMITTAL AND WILL NOT RETURN IT, OR WILL REJECT AND RETURN IT IF IT DOES NOT COMPLY WITH REQUIREMENTS, ARCHITECT/ENGINEER WILL FORWARD EACH SUBMITTAL TO APPROPRIATE PARTY.
- D. SUBMITTALS NOT REQUIRED BY THE CONTRACT DOCUMENTS WILL NOT BE REVIEWED AND MAY BE DISCARDED.

SUBMITTAL REQUIREMENTS

SECTION ITEM

	1: GENERAL
01 33 00	SUBMITTAL PROCEDURES
06 15 10	6: WOOD, PLASTICS, AND COMPOSITES CEDAR DECKING
06 15 10	
06 82 00	
	7: THERMAL AND MOISTURE PROTECTION
07 13 13	BITUMINOUS SHEET WATERPROOFING
07 31 13	ASPHALT SHINGLES ROOFING
07 62 00	SHEET METAL FLASHING AND TRIM
07 63 1	GUTTERS AND DOWNSPOUTS
07 71 00	ROOF SPECIALTIES
07 72 00	ROOF ACCESSORIES
07 92 00	JOINT SEALANTS
	8: DOORS AND WINDOWS
08 14 39	PRE-FINISHED WOOD DOORS & FRAMES
08 16 13	
08 34 30	BIFOLD DOORS
08 53 13	VINYL WINDOWS
08 71 00	DOOR HARDWARE
08 71 10	DOOR HARDWARE SCHEDULE
08 80 00	GLAZING
DIVISION	<u>9: FINISHES</u>
09 29 00	
09 30 13	
	0 MARBLE TILE/WINDOW SILL
09 30 50	TILE SETTING MATERIALS AND SUPPLIES
	RESILIENT BASE & ACCESSORIES
09 90 00	
	PAINT SCHEDULE
	10: SPECIALTIES
10 28 00	TOILET BATH ACCESSORIES
	FIRE EXTINGUISHERS
	12: FURNISHINGS
12 35 30	
12 36 61	
<u>DIVISION</u> 31 31 16	31: EARTHWORK TERMITE CONTROL
212110	

SEE OTHER DISCIPLINES FOR ADDITIONAL REQUIRED SUBMITTALS

Tsark Architecture, LLC

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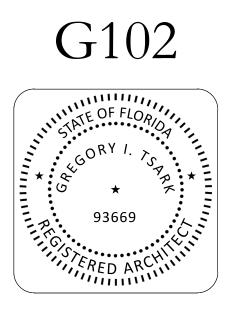
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Description	Date

GENERAL REQUIREMENTS & SUBMITTAL PROCEEDURES

DATE:	12/20/2023
DRAWN BY:	KDB
REVISION:	
SCALE	



DIVISION 3 - CONCRETE

FOUNDATION (SEE STRUCTURAL) DRAWINGS):

A. ALL NOTES, DETAILS, ELEVATIONS, AND SECTIONS SHOWN ON THE DRAWINGS ARE TO BE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN .

B. CONFIRM ALL HORIZONTAL DIMENSIONS WITH OTHER PLANS AND IN FIELD PRIOR TO FABRICATION/CONSTRUCTION

CONCRETE SPLASH BLOCKS

A. PROVIDE PRE-MANUFACTURERED SPLASH BLOCK OF A SIZE AS APPROVED BY THE ARCHITECT OR OWNER

B. MECHANICALLY POLISHED CONCRETE: POLISHED CONCRETE SPECIFICATION

PART I - GENERAL

1.01 SUMMARY, THIS SPECIFICATION INCLUDES THE FOLLOWING: INTERIOR CONCRETE JOINT FILLER, LIQUID DENSIFIER / SEALER AND POLISHING PROCESS

A. GENERAL: DO NOT COMMENCE INSTALLATION OF SEMI-RIGID POLYUREA JOINT FILLER, LIQUID DENSIFIER / SEALER AND POLISHING PROCESSES UNTIL THE BUILDING IS COMPLETELY ENCLOSED, PERMANENT POWER AND LIGHTING IS OPERATING AND THE BUILDING IS THERMOSTATICALLY CONTROLLED. INSTALLATION OF THESE MATERIALS SHALL COMMENCE APROXIMATELY TWO WEEKS PRIOR TO "FIXTURE DATE."

PART II - EXECUTION

2.01 JOINT FILLER INSTALLATION: COMPLY WITH ACI 302 AS APPLICABLE TO MATERIALS, APPLICATIONS, AND CONDITIONS.

A. SURFACE CLEANING OF JOINTS: CLEAN JOINTS IMMEDIATELY BEFORE INSTALLING JOINT FILLER. REMOVE FOREIGN MATERIAL THAT COULD INTERFERE WITH ADHESION OF JOINT FILLER BY BRUSHING, GRINDING, BLAST CLEANING, MECHANICAL ABRADING, OR A COMBINATION OF THESE METHODS TO PRODUCE A CLEAN. SOUND SUBSTRATE CAPABLE OF DEVELOPING OPTIMUM BOND WITH JOINT FILLER. REMOVE LOOSE PARTICLES REMAINING FROM ABOVE CLEANING OPERATIONS BY VACUUMING OR BLOWING OUT JOINTS WITH OIL-FREE COMPRESSED AIR. ALSO REMOVE ALL LAITENCE AND FORM-RELEASE AGENTS FROM CONCRETE SURFACE, CLEAN NONPOROUS SURFACES WITH CHEMICAL CLEANERS OR OTHER MEANS THAT DO NOT STAIN, HARM SUBSTRATES, OR LEAVE RESIDUES COULD INTERFERE WITH ADHESION OF JOINT SEALANTS. ALL SURFACES TO BE FILLED SHALL BE CLEAN AND DRY.

B. MIXING: JOINT FILLER IS A TWO-PART PRODUCT REQUIRING MACHINE MIXING AND PLACING.PREMIX PART "B" SEPARATELY BEFORE USING. FOLLOW PUMP MANUFACT URER'S EQUIPMENT INSTRUCTIONS.

C. PLACEMENT: FOR PROPER LOAD TRANSFER, JOINTS MUST BE FILLED FULL DEPTH, BUT IN NO CASE SHOULD THE JOINT FILLER BE ANY LESS THAN 1" DEEP IN THE JOINT. NO BACKER ROD IS ALLOWED. JOINTS SHOULD BE OVERFILLED AND SHAVED LEVEL WITH THE SURFACE, GIVING THE FLOOR JOINTS A FLAT, SMOOTH APPEARANCE.

D. JOINT FILLER SEPARATION: THE APPROVED JOINT FILLING APPLICATOR SHALL INCLUDE IN THEIR BID A COST PER LINEAR FOOT TO MAKE ONE RETURN TRIP TO REFILL JOINTS IF JOINT FILLER SIDEWALL SEPARATION OR SPLITTING EXCEEDS 1/16," OR IF SURFACE PROFILE IS CONCAVE, CHATTERED OR IF VOIDS OCCUR. THIS SHALL TAKE PLACE ONE WEEK PRIOR TO GRAND OPENING, OR AT OWNER'S REQUEST.

2.02 INITIAL CLEANING FOR LIQUID DENSIFIER AND SEALER APPLICATION: THOROUGHLY CLEAN THE INTERIOR SALES FLOOR SLAB PRIOR TO THE INITIAL APPLICATION OF LIQUID DENSIFIER/SEALER AND POLISHING PROCESS. COMPLETELY REMOVE THE REMNANTS OF THE DISSIPATING OR REMOVABLE CURING COMPOUND FROM THE FLOOR SURFACE. THE FOLLOWING FLOOR STRIPPER OR REMOVAL SOLUTION SHALL BE APPLIED TO THE FLOOR AT THE PROPER RATIO TO THOROUGHLY STRIP, CLEAN AND REMOVE ALL CURING COMPOUND RESIDUE:

I. KUREZ DR VOX (SLAB FIRST): EUCLID "EUCO CLEAN & STRIP" 1. KUREZ RC (SLAB LAST): EUCLID "KUREZ OFF"

2.03 POLISHING PROCESS AND APPLICATION OF LIQUID DENSIFIER / SEALER: PRIOR TO APPLICATION, INSPECT INTERIOR SALES FLOOR SLAB TO ENSURE THAT SLAB IS CLEAN AND FREE OF DUST, GREASE, OILS, OR OTHER CONTAMINANTS THAT MIGHT PROHIBIT THE PROPER APPLICATION AND PENETRATION OF THE LIQUID DENSIFIER AND SEALER.

1. THE FOLLOWING PROCESS IS PROVIDED AS A GUIDE. MANY FACTORS, INCLUDING, BUT NOT LIMITED TO INTERIOR FLOOR SLAB FINISH, HARDNESS AND FLATNESS WILL DETERMINE THE INITIAL DIAMOND TOOLING, INCLUDING ADDITIONAL GRINDING AND/OR POLISHING OPERATIONS REQUIRED TO MEET THE REQUIREMENTS SPECIFIED HEREIN. THE APPROVED APPLICATOR SHALL PROVIDE A TEST POLISH, INCLUDING APPLICATION OF LIQUID DENSIFIER/SEALER TO A DESIGNATED AREA OF THE INTERIOR FLOOR SLAB, USING THE SAME FOUIPMENT TOOLS AND METHODS AS WILL BE USED TO POLISH THE INTERIOR FLOOR SLAB. FLOOR POLISHING AND APPLICATION OF LIQUID DENSIFIER/SEALER SHALL NOT COMMENCE UNTIL GENERAL CONTRACTOR HAS ACCEPTED THE POLISHED INTERIOR FLOOR TEST SLAB.

A. STEP ONE: USING EQUIPMENT WITH SUFFICIENT HEAD PRESSURE (≥ 150 PSI), THOROUGHLY CLEAN THEN GRIND CONCRETE FLOOR WITH A COMBO SET OF 60 GRIT RESIN BOND DIAMONDS AND 100 GRIT RESIN BOND DIAMONDS (NOT PADS). EACH PASS MUST OVERLAP 50% OF THE PREVIOUS PASS. GRIND THE CONCRETE FLOOR AT A RATE TO ALLOW FOR AN EVEN SCRATCH PATTERN. CLEAN FLOOR THOROUGHLY AFTER THIS PASS.

B. STEP TWO: APPLY EUCLID DIAMOND HARD LIQUID DENSIFIER / SEALER AT 225 SQUARE FEET PER GALLON.

C. STEP THREE: USING EQUIPMENT WITH SUFFICIENT HEAD PRESSURE (≥ 150 PSI) POLISH CONCRETE FLOOR WITH A COMBO SET OF 100 GRIT RESIN BOND DIAMONDS AND 200 GRIT RESIN BOND DIAMONDS (NOT PADS). EACH PASS MUST OVERLAP 50% OF THE PREVIOUS PASS. POLISH THE CONCRETE FLOOR AT A RATE TO ALLOW FOR AN EVEN SCRATCH PATTERN. CLEAN FLOOR THOROUGHLY AFTER THIS PASS.

D. STEP FOUR: USING EQUIPMENT WITH SUFFICIENT HEAD PRESSURE (≥ 150 PSI) POLISH CONCRETE FLOOR WITH 400 GRIT RESIN BOND DIAMONDS (NOT PADS). EACH PASS MUST OVERLAP 50% OF THE PREVIOUS PASS. POLISH THE CONCRETE FLOOR AT A RATE TO ALLOW FOR AN EVEN SCRATCH PATTERN. CLEAN FLOOR THOROUGHLY AFTER THIS PASS.

E. STEP FIVE: APPLY EUCLID DIAMOND HARD LIQUID DENSIFIER / SEALER AT 700 SQUARE FEET PER GALLON

F. STEP SIX: BURNISH / POLISH CONCRETE FLOOR WITH 800 GRIT DIAMOND IMPREGNATED PADS

G. STEP SEVEN: BURNISH / POLISH CONCRETE FLOOR WITH 1500 GRIT DIAMOND IMPREGNATED PADS.

1. POLISH RESULTS: PERFORM POLISHING PROCESS TO REACH A SPECIFIED OVERALL GLOSS VALUE (SOGV) OF ≥35 AS MEASURED WITH A HORIBA IG-320, AND A SPECIFIED MINIMUM GLOSS READING (SMGV) OF 30. THE APPROVED APPLICATOR SHALL TAKE FOUR GLOSS MEASUREMENT READINGS AT 90° FROM EACH OTHER, AND THEN AVERAGED FOR ONE READING AT EACH LOCATION, A MINIMUM OF 25 READINGS SHALL BE TAKEN THROUGHOUT THE INTERIOR SALES FLOOR. THE OVERALL MEASUREMENT SHALL BE REPORTED TO GENERAL CONTRACTOR WITHIN 24 HOURS OF THE POLISHING PROCESS. GLOSS SHALL BE CONSIDERED A QUANTITATIVE VALUE THAT EXPRESSES THE DEGREE OF REFLECTION WHEN LIGHT HITS THE CONCRETE FLOOR SURFACE. GLOSS MEASUREMENTS WILL BE TAKEN INDEPENDENT OF AMBIENT LIGHTING AND WILL BE TAKEN WITHIN A SEALED MEASUREMENT WINDOW LOCATED BENEATH THE TEST UNIT.

DIVISION 6 - WOOD AND CABINETRY

WOOD BLOCKING

A. BLOCKING SHALL BE 2X (OR AS NOTED) AND PRESERVATIVE TREATED WHEN IN CONTACT WITH MASONRY OR EXPOSED TO WEATHER. PRESERVATION TREATMENT SHALL CONFORM TO REQUIREMENTS OF AWPA, STANDARD U1 AND M4 FOR THE SPECIES PRODUCT END USE AND PRESERVATIVE TYPE.

B. ROOF EDGE BLOCKING: ALL BLOCKING FOR ROOF EDGES SHALL BE FRT AND ANCHORED PER FBC (LATEST EDITION) - TEST STANDARDS AND RAS-111.

INTERIOR WOOD TRIM:

A. FINISH WOOD DOOR, WINDOW AND WALL BASE TRIM MATERIALS SHALL BE PAINT GRADE COMPOSITE WOOD OR PVC.

GUTTERS AND DOWNSPOUTS

A GUTTERS TO BE MADE OF .040 ALUMINUM OR THICKER AS RECOMMENDED BY THE MANUFACTURER FOR THE USE AND LOCATION AND MOUNTED ON SURFACE OF EAVE OF BUILDING WHERE INDICATED ON THE DRAWINGS, SECURELY ANCHORED AND SEALED TO THE SUBSTRATE TO PREVENT LEAKAGE AND DAMAGE DUE TO WIND. ATTACHMENT SHALL MEET THE REQUIREMENTS OF LOCAL APPLICABLE BUILDING CODES.

B. DOWNSPOUTS TO BE SQUARE (4"X4" UNLESS NOTED OTHERWISE), MADE OF .040 ALUMINUM (KYNAR FINISH) AND MOUNTED BRACKETS AND STRAP OF THE SAME MATERIALS SECURELY ATTACHED TO THE BUILDING TO MEET THE REQUIREMENTS OF LOCAL APPLICABLE BUILDING CODES. FASTENERS SHALL BE OF A NON-CORROSIVE TYPE COMPATIBLE WITH THE MATERIALS.

C. PRIOR TO FABRICATION. THE CONTRACTOR FOR THIS WORK SHALL VISIT THE PROJECT TO OBSERVE THE STATUS OF CONSTRUCTION AND THE CONDITION OF THE SUBSTRATE.

1. THE CONTRACTOR FOR THIS WORK SHALL BE RESPONSIBLE FOR OBTAINING DIMENSIONS FOR FABRICATION OF THE MATERIALS.

2. ONCE FABRICATION AND INSTALLATION COMMENCES, IT WILL BE UNDERSTOOD THAT THE INSTALLER FOR THIS WORK ACCEPTS THE CONDITION OF THE SUBSTRATE TO RECEIVE THE SPECIFIED MATERIALS.

DIVISION 7- THERMAL AND MOISTURE PROTECTION

SEALANTS

A. EXTERIOR "GENERAL" SEALANTS SHALL BE A URETHANE PRODUCT (EQUAL TO SONNERBORN NP-1) TEST SAMPLE AREA TO ASSURE COMPATIBLE WITH ADJACENT MATERIALS AND PAINTABLE

B. REFER TO MANUFACTURED SYSTEMS FOR SEALANT TYPE RECOMMENDED BY MANUFACTURER

C. MISCELLANEOUS MATERIALS SHALL INCLUDE BACKER RODS FOR A WEATHER TIGHT SYSTEM.

D. SEE DIVSION 9 FOR INTERIOR SEALANT (CAULK). ATTIC INSULATION:

A. FURNISH AND INSTALL OWENS CORNING BLOWN-IN "PINK" FIBERGLASS INSULATION OF A UNIFORM THICKNESS TO ACHIEVE R-30 (MIN.) IN ATTIC ABOVE THE GYPSUM BOARD CEILING, CONTINUOUS OVER AIR-CONDITIONED SPACES.

RIGID WALL INSULATION:

A. FURNISH & INSTALL NOMINAL 1 1/2" THICK CLOSED CELL FOAM INSULATION BOARD TIGHT AND CONTINUIOUS ON INSIDE OF EXTERIOR WALLS FURRED SPACE USING METAL 'Z' FURRING FOR ATTACHMENT, FILL VOIDS WITH FOAM INSULATION ROOF SHINGLES:

A. BASIS OF DESIGN IS THE CERTAINTEED "LANDMARK PREMIUM" PRODUCT WITH

A 50 YEAR PRODUCT WARRANTY AND HAS A 130 MPH WIND RATING. B. SHINGLES SHALL BE INSTALLED OVER WATER MEMBRANE UNDERLAYMENT OF 60 MIL (MIN.) PEEL-N-STICK PROPERLY LAPPED SHALL BE INSTALLED OVER A BASE SHEET UNDERLAYMENT. PRODUCT BASIS IS THE POLYGLASS POLYSTICK IR-XE

FASCIA AND SOFFITS:

A. PREFABRICATED ALUMINUM MATERIAL WITH BAKED ENAMEL PAINT FINISH SOFFIT SHALL BE CONTINUOUSLY PERFORATED FOR VENTILATION, ATTACH PER MFG TO MEET CODES. ALUMINUM FASCIA SHALL WRAP THE 2 X SUBFASCIA BOARD .

DAMPPROOFING:

A. FURNISH AND INSTALL A BITUMINOUS COMPOUND TO EXTERIOR SIDE OF EXTERIOR MASONRY WALLS IN CONTINUOUS SMOOTH COATING FROM TOP OF TIE-BEAM TO FOOTING AND AROUND ALL OPENINGS PRIOR TO INSTALLING FURRING AND RIGID INSULATION.

FLASHING:

A. METAL FLASHINGS: FURNISH AND INSTALL 0.0400"ALUMINUM OR 22 GAGE STAINLESS STEEL FLASHING MATERIALS WHERE NOTED OR DETAILED OR REQUIRED TO PROVIDE LEAK-FREE TRANSITION OF MATERIALS.

B. FLASHING GAGE AND ATTACHMENT SHALL COMPLY WITH FBC (LATEST EDITION) TEST PROTOCOL MANUAL (RAS-111).

ARCHITECTURAL SPECIFICATIONS

DIVISION 8 - DOORS AND WINDOWS

EXTERIOR FIBERGLASS DOORS:

A. BASIS OF DESIGN ARE PRODUCTS BY BELLVILLE ® OR APPROVED EQUAL B. PROVIDE 6-PANEL INSULATED, HURRICANE RATED, FIBERGLASS DOORS.

C. PRIME DOORS FOR FIELD PAINT.

D. MANUFACTURER OF THE DOOR-FRAME UNIT SHALL SUBMIT TEST DATA WHICH MEETS THE CURRENT REQUIREMENTS OF THE LATEST BUILDING CODE FOR WIND PRESSURES AND WIND-BORNE DEBRIS

E. ANCHOR DOOR FRAME TO MASONRY IN ACCORDANCE WITH THE MFG RECOMMENDATIONS & TESTS TO MEET CODES.

F. PROVIDE WEATHER STRIPPING AT EXTERIOR DOORS.

G. DOORS TO BE PRE-HUNG ON WOOD FRAMES

MASONITE ® INTERIOR DOORS:

A. BASIS OF DESIGN IS MASONITE ® 6-PANEL OR EQUAL

B. DOORS SHALL BE 1-3/4" THICK WITH MEDIUM STILE

C. PRIME DOORS FOR FIELD PAINT.

FINISH DOOR HARDWARE:

D. DOORS TO BE PRE-HUNG ON WOOD FRAMES

A. EXTERIOR DOORS: PROVIDE COMMERCIAL GRADE PRODUCTS AS IDENTIFIED ON THE PLANS AND IN THE DOOR HARDWARE SCHEDULE.

B. INTERIOR DOORS: PROVIDE COMMERCIAL GRADE PRODUCTS AS IDENTIFIED ON THE PLANS AND IN THE DOOR HARDWARE SCHEDULE.

WINDOWS: A. BASIS OF DESIGN IS PGT ® - SH5500

B. FRAMES TO BE WINDGUARD ® VINYL, WHITE

C. GLASS TO BE CLEAR, HURRICANE RATED, HIGH PERFORMANCE LOW E COATING, NO GRID FEATURES AND STANDARD 1816 CHARCOAL SCREEN

D. MANUFACTURER OF THE WINDOW UNIT SHALL SUBMIT TEST DATA WHICH MEETS THE CURRENT REQUIREMENTS OF THE LATEST BUILDING CODE FOR WIND PRESSURES AND WIND-BORNE DEBRIS.

DIVISION 9 - FINISHES

INTERIOR FRAME WALLS:

A. PRODUCTS FOR NON-LOAD BEARING PARTITION WALLS SHALL BE NO. 2 SOUTHERN YELLOW PINE.

B. FURNISH AND INSTALL NEW NOMINAL 4" OR 6" WOOD STUDS TO PRESSURE TREATED BASE PLATE AND DOUBLE CAP PLATE AT 16" ON CENTER (UNLESS NOTED OTHERWISE).

C. FURNISH AND INSTALL 5/8" THICK STANDARD, MOISTURE RESISTANT, FIRE RATED (TYPE 'X') OR ABUSIVE RESISTANT GYPSUM WALLBOARD AND ACCESSORIES AS DETAILED AND REQUIRED TO PROVIDE A COMPLETED WORK PRODUCT INCLUDING CORNER BEADS, 'J' BEAD EDGES, ETC.

D. TAPE AND MUD TO RECEIVE A SPRAYED ON ORANGE PEEL TEXTURE (OR OTHER TEXTURE AS AGREED BY THE ARCHITECT). FOR PAINTED WALLS/CEILINGS

ACOUSTICAL INSULATION:

A. PROVIDE A MINERAL WOOL PRODUCT TO COMPLY WITH ASTM, AND AS INDICATED IN PARTITION TYPE DETAILS. INSTALL WITHIN CAVITY OF 3-1/2" (MIN.) THICKNESS BY WIDTH TO FILL STUDS/JOISTS.

DRYWALL CEILING:

A. INSTALL 5/8" THICK GYPSUM BOARD CEILING ON TRUSS FRAMING PER USG REQUIREMENTS.

B. TAPE, MUD AND FINISH WITH TEXTURE ACCEPTABLE.

SOLID SURFACE (WHERE INDICATED):

A. MATERIAL: SOLID ACRYLIC PLASTIC AND RESINS, I.E., CORIAN, FORMSTONE OR SOLID POLYESTER COMPOSITION, I.E., AVONITE, SURELL

B. PROVIDE SOLID SURFACE COUNTERTOPS WITH BACKSPLASH AND WITH OR WITHOUT INTEGRAL SINK BOWLS WHERE IDENTIFIED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

C. COLOR AND BOWL STYLE PER THE OWNER. PREP VANITIES TO RECEIVE FAUCETS, FITTINGS & ACCESSORIES. TOPS SHALL BE SECURED TO THE BASE STRUCTURE.

PVC WALL BASE:

A. MANUFACTURERS: PROVIDE 3 1/4" PVC BASE AS PRODUCED BY A SINGLE MANUFACTURER, INCLUDING RECOMMENDED PRIMERS, ADHESIVES, AND PAINTS. BASIS OF DESIGN: ROYAL BUILDING PRODUCTS 5523 WHITE COLONIAL BASE MOULDING. USE MDF BASE AS ADD ALTERNATE.

C. ADHESIVES (CEMENTS): WATERPROOF, STABILIZED TYPE TO SUIT MATERIAL AND SUBSTRATE CONDITIONS. BASIS OF DESIGN: LIQUID NAIL

D. INSTALLATION: CLEAN ALL SURFACES AND FILL SMALL CRACKS, HOLES, AND DEPRESSIONS IN WALLS.

2. ADHERE TO WALL SUBSTRATES USING FULL SPREAD OF ADHESIVE APPLIED.

STUCCO:

A. PROVIDE A 3-COAT STUCCO FINISH TO THE NEW EXTERIOR MASONRY WALLS WHICH ARE A PART OF THIS WORK. PRODUCTS AND INSTALLATION SHALL COMPLY WITH ASTM.

B. PROVIDE NEW PVC ACCESSORIES AT LOCATION CORNERS, CONTROL JOINTS AND REVEALS.

CERAMIC TILE:

A. FLOOR TILE SHALL BE A 10"X14" DAL PORCELAIN TILE PRODUCT. INSTALL ON CONCRETE OR MUD BED PER TCA STANDARDS. PROVIDE EPOXY GROUT AT TOILET ROOMS.

CAULKING:

A. PROVIDE NEW LATEX BASED, LOW VOC, CAULKING AT JOINTS BETWEEN CHANGES IN MATERIALS (I.E. WALLS AT DOORS, WINDOWS AND FRAMES. BUILT-IN CABINETS, ETC).

DIVISION 9 - FINISHES CONT.

PAINTING:

A. BASIS OF DESIGN FOR ALL PAINT PRODUCTS ARE THOSE PRODUCED BY VALSPAR FOR EXTERIOR AND BEHR FOR INTERIOR OR EQUAL.

B. PROVIDE 2 COATS OF PREMIUM PAINT ON PRIMER/SEALER AT ALL WALLS, DOORS, TRIM AND SURFACE WHICH ARE NOT FACTORY FINISHED. COLOR AND SHEEN SHALL BE PER OWNER'S SELECTION.

C. EXTERIOR PAINT

1. PRIMER COATS: MASONRY/CONCRETE/STUCCO: VALSPAR INTERIOR/EXTERIOR BONDING WATERBASE PRIMER

2. FINISH COATS:

FIBERGLASS DOORS/MASONRY/CONCRETE/STUCCO: TWO COATS OF PRO INDUSTRIALSEMI-GLOSS EXTERIOR LATEX COATING (APPLY AT 5-7 MILS WET).

D. INTERIOR PAINT

1. PRIMER COATS:

DRYWALL: BEHR DRYWALL PLUS PRIMER & SEALER NO. 73 2. FINISH COATS:

DRYWALL/DOORS/BASE/TRIM: BEHR INTERIOR SEMI GLOSS ENAMEL PAINT NO. 3050

E. PREPARATION FOR ALL PAINTED SURFACES SHALL BE PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

H. NEW INTERIOR DRYWALL SHALL BE PRIMED BEFORE RECEIVING TWO FINISH COATS OF PREMIUM ACRYLIC SEMI-GLOSS WALL PAINT.

G. NEW INTERIOR DOOR FRAMES SHALL RECEIVE TWO COATS OF WATER BASED ENAMEL PAINT OVER MANUFACTURE APPLIED PRIMER.

DIVISION 10 - SPECIALTIES

TOILET ACCESSORIES:

BASIS OF DESIGN SHALL BE AS INDICATED ON PLANS. SEE ACCESSORIES SCHEDULE ON SHEET A701. ALL ACCESSORIES TO BE CONTRACTOR PROVIDED AND INSTALLED.

FIRE EXTINGUISHERS:

A. PROVIDE THE FOLLOWING NEW EXTINGUISHERS, BRACKETS THROUGHOUT PROJECT WHERE IDENTIFIED ON THE LIFE SAFETY PLAN.

MULTI-PURPOSE USE, CLASS A, B, AND C FIRES.

DIVISION 11 - EQUIPMENT

KITCHEN EQUIPMENT

A. NEW EQUIPMENT IS CONTRACTOR PURCHASED AND INSTALLED.

DIVISION 12 - FURNISHINGS

CABINETRY:

A. PRODUCTS SHALL BE AWI QUALITY AND NON-FACE FRAME AS MANUFACTURED BY A COMPANY WITH 5 YEARS MINIMUM EXPERIENCE AT FABRICATION OF SAME PRODUCTS.

B. PRODUCTS SHALL BE:

1. 5 PIECE MITERED FOR EXPOSED TO VIEW DOORS AND CASES BALANCED ON INTERIOR WITH NATURAL FINISH.

2. COUNTERTOP SHALL BE ACRYLIC SOLID SURFACE, CORIAN OR EQUAL

C. EXPOSED EDGES SHALL BE A MINIMUM 3MM EDGE BANDING WITH EASED EDGES AND COLOR TO MATCH THE NATURAL LOOK.

D. BASE SHALL BE FRAMELESS

E. BACK SHALL BE 1/4" THICK PLYWOOD PRE-FINISHED WITH NATURAL LOOK.

F. HARDWARE TO INCLUDE:

1. BLUM, SOFT CLOSE, 6-WAY ADJUSTABLE .095" THICK STEEL WITH DULL CHROME.

2. SHELF SUPPORT OF SELF LOCKING NYLON DESIGNED FOR INSTALLATION INTO PRE-DRILLED HOLES WITHIN CABINET INTERIOR.

3. PULLS AT 3" LONG X 1/4" DIAMETER ALUMINUM WITH BRUSHED NICKLE FINISH TO MATCH HINGES.

4. DRAWER GLIDES TO BE UNDEMOUNT TYPE FOR REGULAR DRAWERS WHICH SHALL BE SELF-CLOSING FROM A FOUR (4) INCH EXTENSION.

6. EACH GUIDE SHALL HAVE A MINIMUM LOAD CAPACITY OF ONE HUNDRED (100) LBS. AND BE OF ZINC COATED COLD ROLLED STEEL.

G. PROVIDE 2-BY BACKING FOR MISC. DETAILS (SEE DRAWINGS) AND BACK BLOCKING IN WALLS FOR WALL HUNG ITEMS; I.E. CABINETRY, PLUMBING, TOILET ACCESSORIES, FIXTURES, GRAB BARS, ETC.

DIVISION 32 - EXTERIOR IMPROVEMENTS

SOIL POISONING

A. FURNISH & INSTALL CHEMICAL POISONING OF SOIL FOR SUBTERRANEAN TERMITES BENEATH CONCRETE SLABS AND PADS OF BUILDING A DIRECTLY ADJACENT THERETO, IN ACCORDANCE WITH FLORIDA BUILDING CODE .

B. UTILITIES: SEE CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.

LANDSCAPE:

A. IF PLANS DO NOT INCLUDE SUFFICIENT DETAILS CONTRACTOR SHALL PROVIDE TREES. SHRUBS AND SEEDING AND/OR SOD IN KEEPING WITH THE PLANS AND THE LOCAL ORDINANCES.

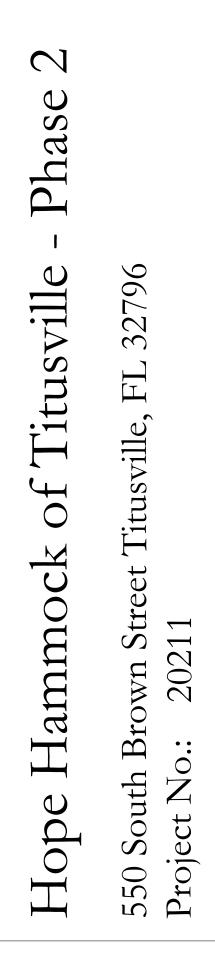
B BASIS OF DESIGN SHALL BE J.L. INDUSTRIES MODEL NO J-2#5 FOR

C. NEW BRACKETS SHALL BE A STRAP HELD LEDGER TYPE HANGER.

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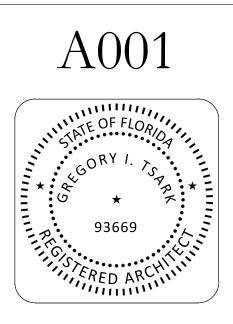
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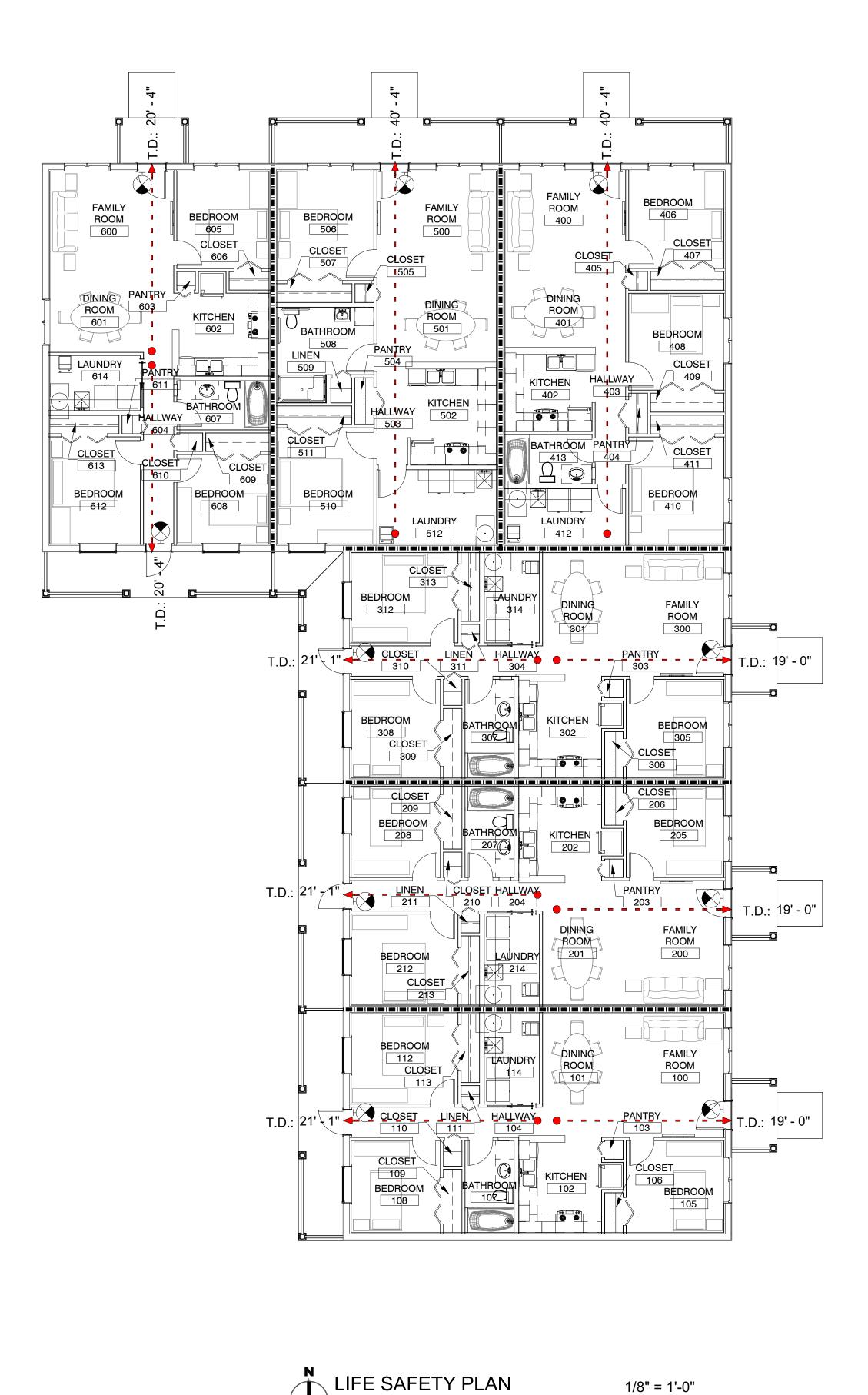


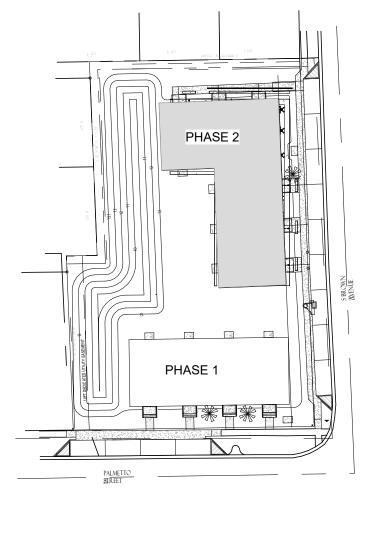
Description	Date

ARCHITECTURAL **SPECIFICATIONS**

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	







KEY PLAN PHASE 2

	TY NOTES				
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2. CONSTRUCT FIRE- ABOVE.	RATED WALLS TIC	GHT AGAINST THE FLOOR OR ROC	DF DECK		
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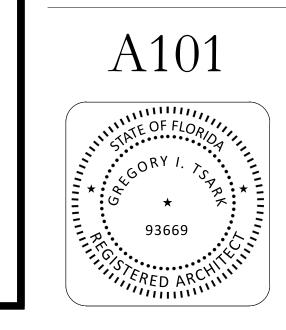
BATHROOM SINK

BATH TUB/SHOWER

Description	Date

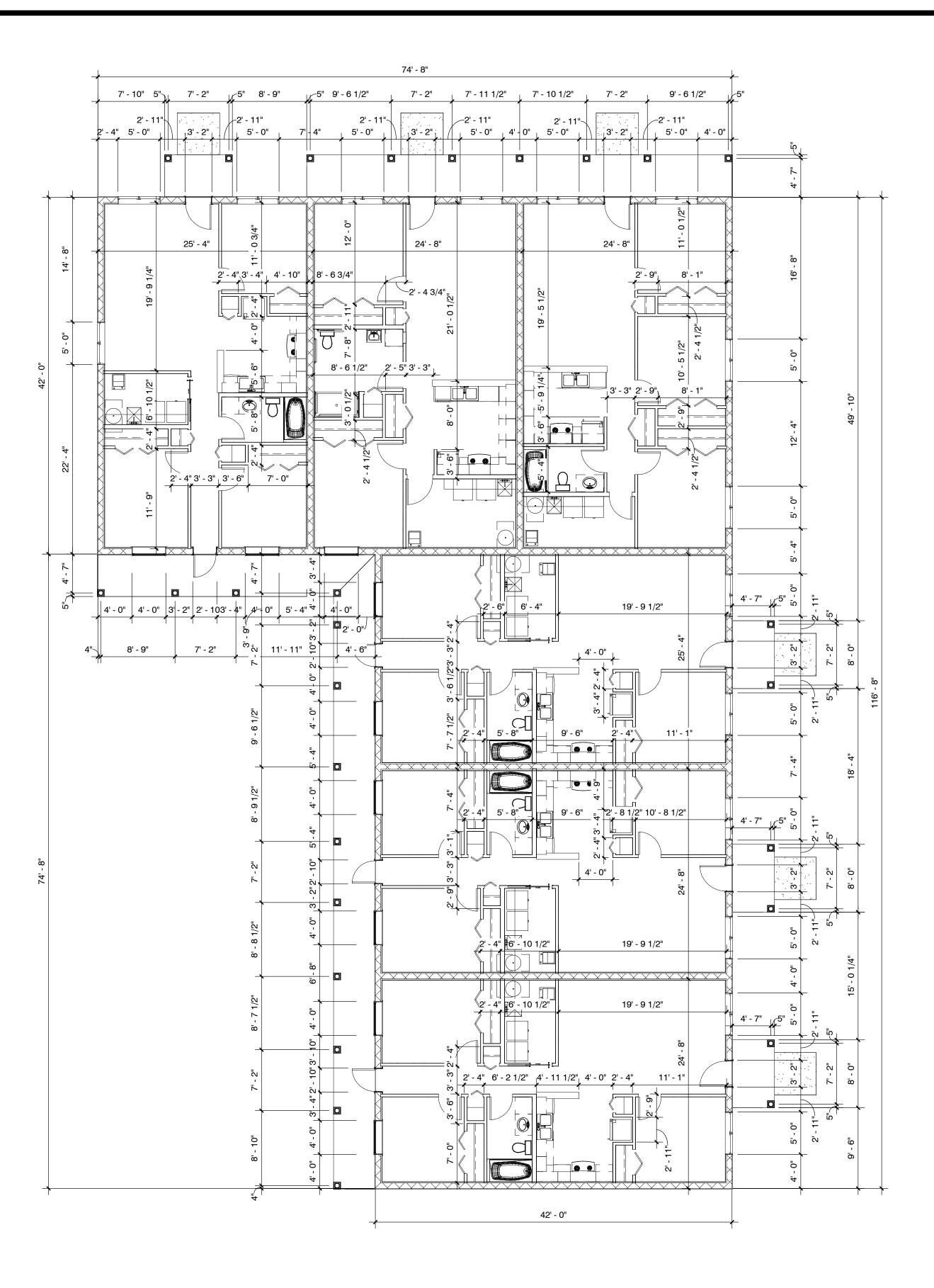
REFERENCE PLAN/LIFE SAFETY PLAN

12/20/2023
CW
As indicated



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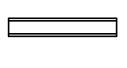
DIMENSION PLAN PHASE 2 1/8" = 1'-0"

LAYOUT NOTES

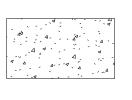
- 1. SHOULD CONDITIONS OR DIMENSIONS VARY FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT BEFORE PROCEEDING. USE FIGURED DIMENSIONS. DO NOT SCALE DRAWINGS. WHERE DIMENSIONS ARE SHOWN WITH A "±", ADJUSTMENTS MAY BE MADE TO SUIT FIELDCONDITIONS.
- 2. VERIFY DIMENSIONS IN FIELD BEFORE PROCEEDING WITH WORK. NOTIFY ARCHITECT OF DISCREPANCIES, CONFLICTS, AND MODIFICATIONS.
- 3. ALL DIMENSIONS FOR DRYWALL PARTITIONS ARE TO FACE OF GYPSUM BOARD OR CEMENT BOARD, UNLESS NOTED OTHERWISE.
- 4. ALL DIMENSIONS FOR CONCRETE MASONRY UNIT CONSTRUCTION ARE NOMINAL AND ARE TO FACE OF C.M.U., UNLESS NOTED OTHERWISE.
- 5. ALL DIMENSIONS FOR OPENINGS ARE NOMINAL. COORDINATE ACTUAL DIMENSIONS WITH OPENING SIZES AND DETAILS.
- 6. LOCATE DOORS 4" FROM BACK OF FRAME TO END OF PARTITION IN WHICH DOOR IS INCORPORATED, UNLESS NOTED OTHERWISE.
- WHERE DIFFERENT PARTITION TYPES OF VARYING WIDTHS EXIST ADJACENT TO ONE ANOTHER, THE FRAMING SHALL ACCOMMODATE A SMOOTH AND CONTINUOUS SURFACE ACROSS PARTITION TYPES.

LEGEND

NEW CONSTRUCTION - MASONRY



NEW CONSTRUCTION - METAL STUD



CONCRETE WALKWAYS

EDGE OF OVERHEAD CONSTRUCTION

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MANEUVERING CLEARANCES AT DOORS AND TOILET ROOM FIXTURES



Tsark Architecture, LLC

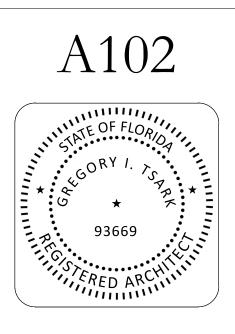
1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

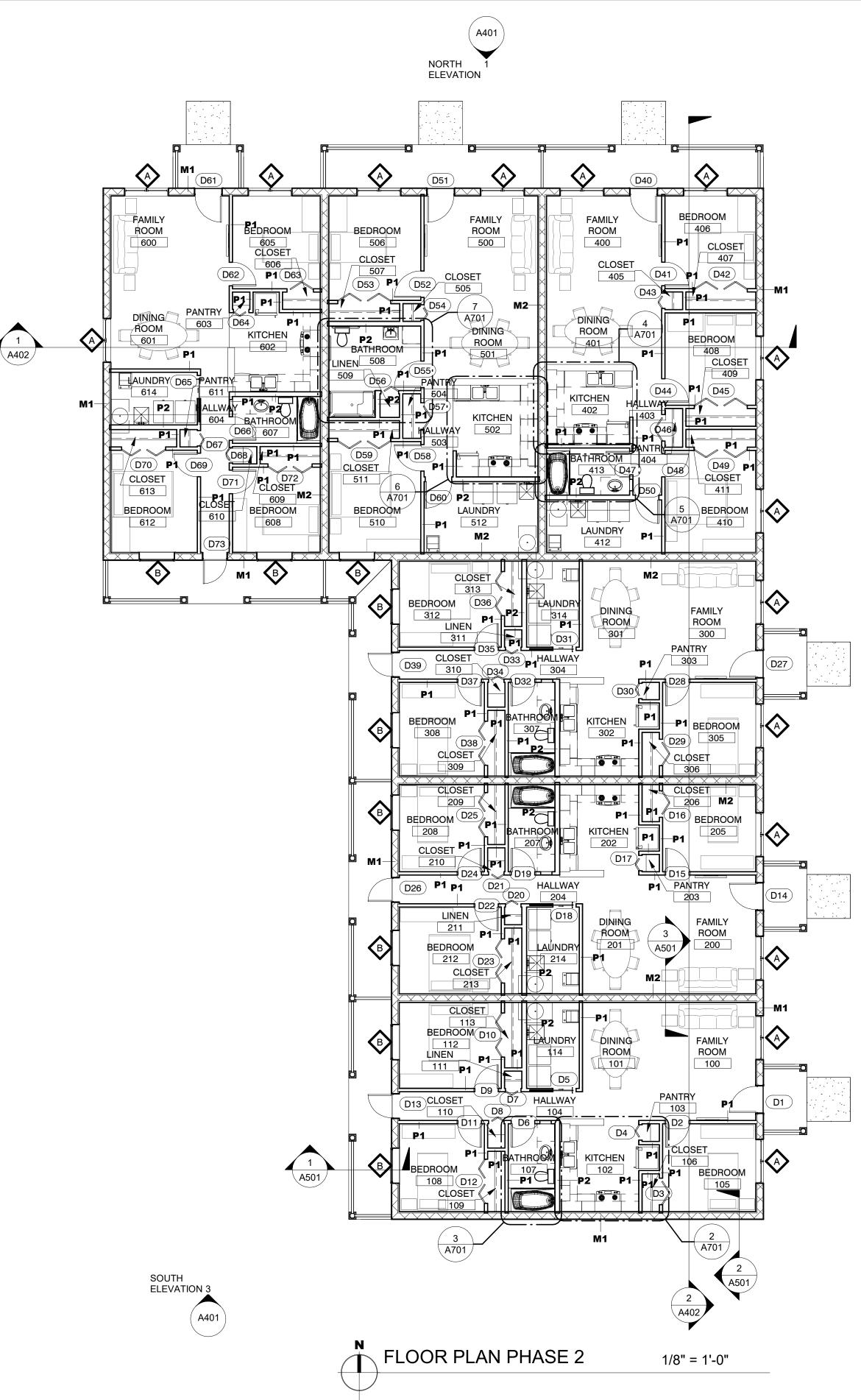
 \sim \mathbf{O} Phase 2796 \mathbf{O} 11 \mathcal{O} S Г tu Ī Titusville, H 4 \bigcirc Ck et Ū 0 $\overline{}$ IJ - \sim 550 South Brown Project No.: 202 \frown Ham Hope

Description	Date

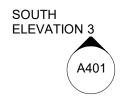
DIMENSION PLAN

12/20/2023
CW
1/8" = 1'-0"





(A401 🌔





GENERAL NOTES

- 1. MOUNT FIRE EXTINGUISHER CABINETS AT 4'-0" A.F.F. MEASURED TO CENTERLINE OF CABINET HANDLE.
- 2. PROVIDE BLOCKING IN PARTITIONS FOR ALL WALL-MOUNTED EQUIPMENT
- LOOSE FURNITURE IS SHOWN FOR ILLUSTRATIVE PURPOSES AND IS NOT IN CONTRACT FOR CONSTRUCTION.
- 4. DO NOT SCALE DRAWINGS; WHERE DIMENSIONS ARE UNCLEAR, REQUEST CLARIFICATION FROM ARCHITECT.
- 5. LIMITS OF EXISTING CONSTRUCTION ARE SHOWN FOR REFERENCE ONLY. SCOPE OF WORK MAY INCLUDE PARTS OF EXISTING AREA FOR PURPOSES OF ACCESS AND CONNECTION OF NEW CONSTRUCTION.

LEGEND

NEW CONSTRUCTION - MASONRY

NEW CONSTRUCTION - WOOD STUD

4 . 4 . 4

CONCRETE WALKWAYS

EDGE OF OVERHEAD CONSTRUCTION

 $\Gamma = \neg /$

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MANEUVERING CLEARANCES AT DOORS AND TOILET ROOM FIXTURES



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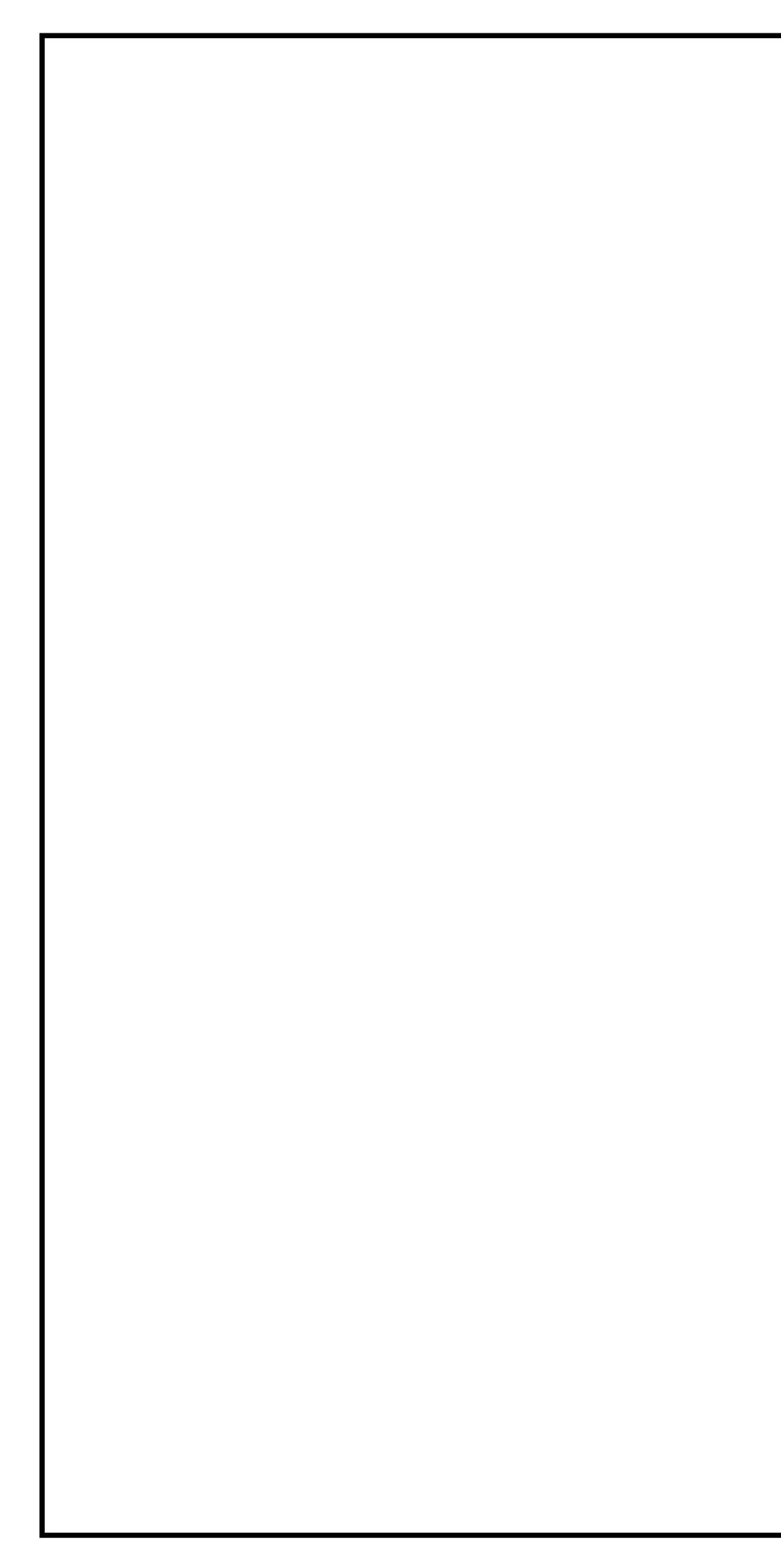
> \sim U Phas(2796 C 11 \mathcal{O} tus Γ ΓŢ Titusville, H Ч \bigcirc mock eet $\overline{}$ - \sim 550 South Brown S Project No.: 2021 Ham Hope

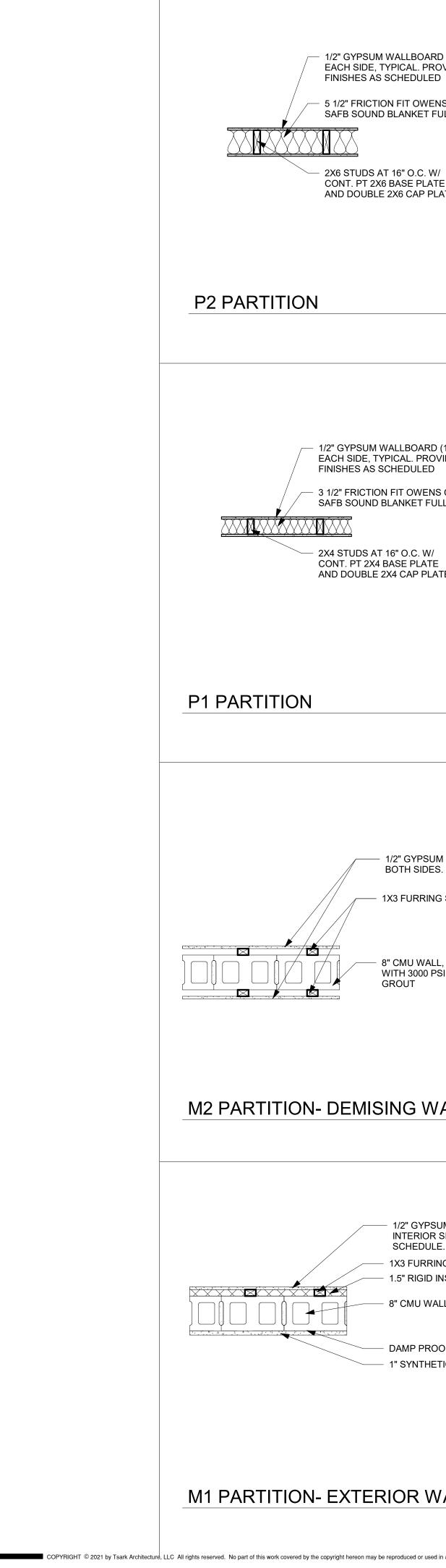
Description	Date

FLOOR PLAN

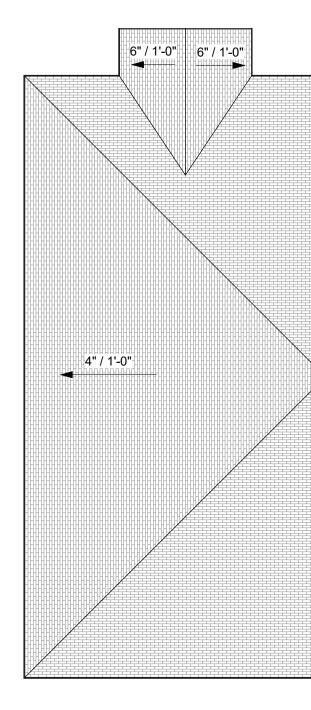
12/20/2023
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1/8" = 1'-0"

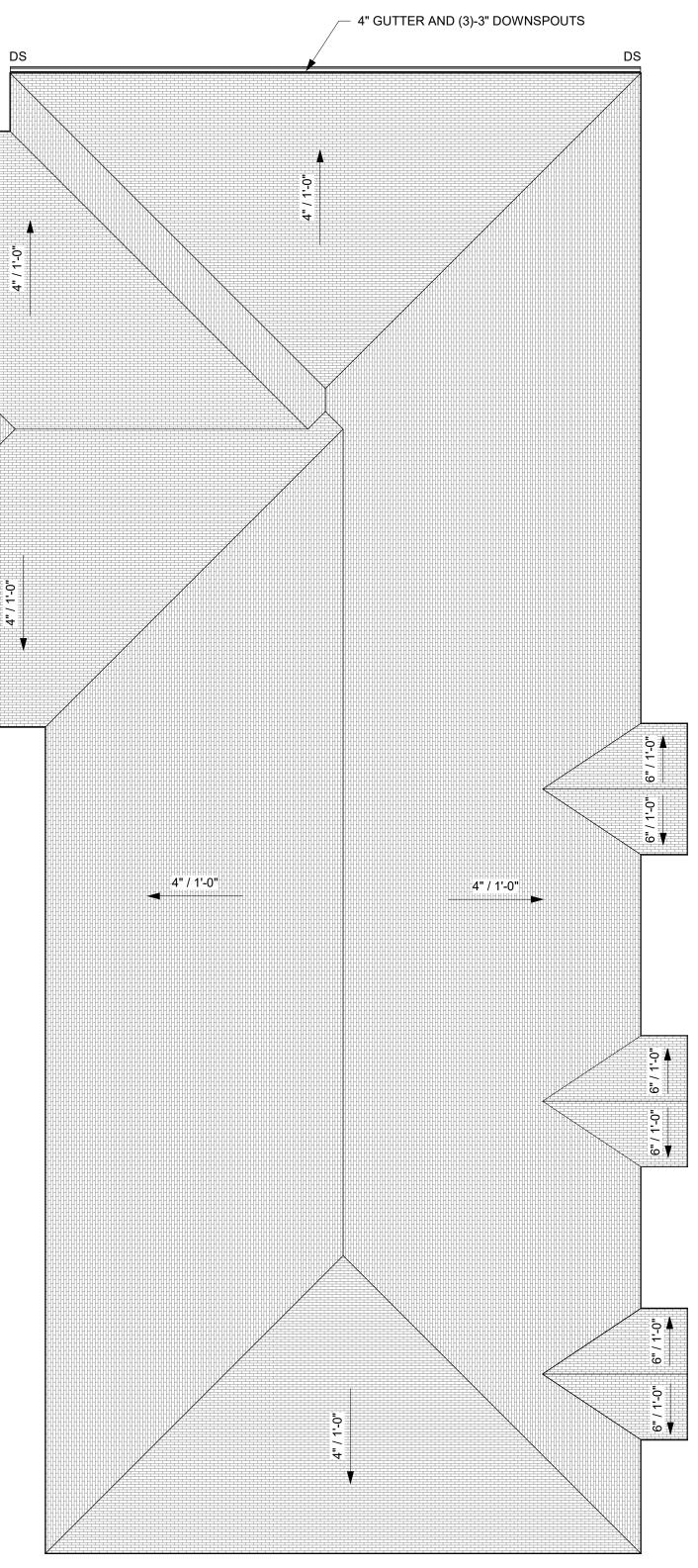






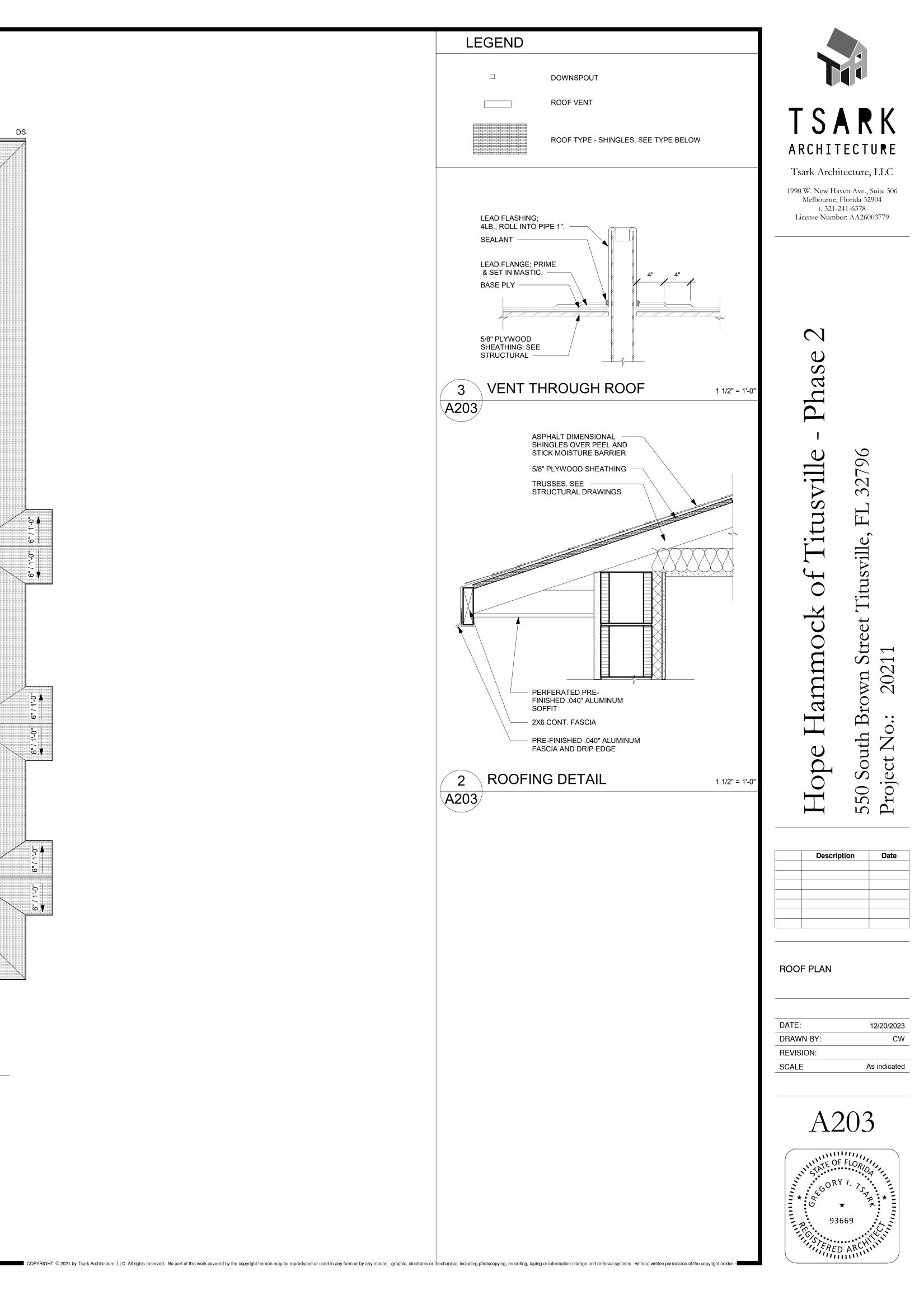
	PARTITION TYPE NOTES	
	1. ALL PARTITIONS IN DAMP/WET LOCATIONS TO RECEIVE MOISTURE RESISTANT GYPSUM WALL BOARD. MOISTURE RESISTANT GYP. BOARD TO 48" A.F.F. IN KITCHENS BEHIND CABINETRY AND FOR ALL PARTITIONS FLOOR TO CEILING IN RESTROOMS AND NON-CONDITIONED SPACES	
ARD (1)-LAYER PROVIDE WALL LED	2. PARTITIONS IN WET LOCATIONS, SHOWERS, MOP SINKS, ETC. AND ALL WALL SURFACES RECIEVING CERAMIC WALL TILE SHALL HAVE CEMENTITIOUS BACKER	TSARK
/ENS CORNING T FULL HEIGHT	 UNITS IN LIEU OF GYPSUM WALL BOARD, PROPERLY SEALED, READY FOR FINISHES. 3. PROVIDE FIRE TREATED WOOD BLOCKING AND FIRE TREATED PLYWOOD BACKER BOARD AT ALL SHELVING, CASEWORK AND ACCESSORY LOCATIONS.14 GA. GALV. SHEET METAL MAY BE USED IN LIEU OF WOOD BLOCKING. 	ARCHITECTURE
	4. WALLS OF DIFFERENT WIDTHS THAT ALIGN SHALL REMAIN FLUSH TO ONE ANOTHER	Tsark Architecture, LLC
W/ ATE PLATE	 PERMANENTLY IDENTIFY WITH 3" RED STENCILING IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, AT 12 FOOT INTERVALS, THE PHRASE "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". 	1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779
	6. ALL PERIMETER EXTERIOR MASONRY WALLS SHALL RECIEVE CORE-FILL 500 FOAM INSULATION BY TAILORED CHEMICAL PRODUCTS, INC. OR EQUAL	
	7. PAINTED MASONRY TO CONSIST OF BLOCK FILLER, PRIMER, AND FINISH COAT. DESIGN NO. U419	
	* NONBEARING WALL RATINGS 1, 2, 3 OR 4 HR	
3/4" = 1'-0"	 FLOOR AND CEILING RUNNERS (NOT SHOWN) CHANNEL SHAPED, FABRICATED FROM MINIMUM 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH TO ACCOMMODATE STUD SIZE, WITH MIN 1-1/4 IN. LONG LEGS, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAXIMUM. STEEL STUDS CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION- 	\sim
	PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT AND INSTALLED WITH A 1/2 IN. GAP BETWEEN THE END OF THE STUD AND TRACK AT THE BOTTOM OF THE WALL. FOR DIRECT ATTACHMENT OF GYPSUM BOARD ONLY.	lase
RD (1)-LAYER ROVIDE WALL ED	4. BATTS AND BLANKETS- PLACED IN STUD CAVITIES, ANY GLASS FIBER OR MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE.	
ENS CORNING FULL HEIGHT	5. GYPSUM BOARD* GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. VERTICAL JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED ONE STUD CAVITY. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED	11e - 796
N/ \TE PLATE	NOT BE STAGGERED. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED A MIN OF 12 IN. THE THICKNESS AND NUMBER OF LAYERS FOR THE 1 HR, 2 HR, 3 HR AND 4 HR RATINGS ARE AS FOLLOWS:	ISVI L 32
	Gypsum Board Protection on Each Side of Wall Rating, Hr Min Stud Depth, No. of Layers, Thkns of Panel Ins. Thkns 1 3-1/2 1 layer, 5/8 in. thick Optional	itu e, F
	1 2-1/2 1 layer, 1/2 in. thick 1-1/2 in. 1 1-5/8 1 layer, 3/4 in. thick Optional 2 1-5/8 2 layers, 1/2 in. thick Optional	of T itusvill
	2 1-5/8 2 layers, 5/8 in. thick Optional 2 3-1/2 1 layer, 3/4 in. thick 3 in. 3 1-5/8 3 layers, 1/2 in. thick Optional	ofo
3/4" = 1'-0"	31-5/82 layers,3/4 in. thick Optional31-5/83 layers,5/8 in. thick Optional41-5/84 layers,5/8 in. thick Optional41-5/84 layers,1/2 in. thick Optional	
	4 2-1/2 2 layers, 3/4 in. thick 2 in. 6. FASTENERS TYPE S OR S-12 STEEL SCREWS USED TO ATTACH PANELS TO	mocl Street 11
	STUDS OR FURRING CHANNELS. SINGLE LAYER SYSTEMS: 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 8 IN. OC WHEN PANELS ARE APPLIED HORIZONTALLY, OR 8 IN. OC ALONG VERTICAL AND BOTTOM EDGES AND 12 IN. OC IN THE FIELD WHEN PANELS ARE APPLIED VERTICALLY. TWO LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC. SECOND LAYER- 1-5/8 IN.	own S 2021
SUM WALLBOARD (1) LAYER, DES. SEE FINISH SCHEDULE.	LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC WITH SCREWS OFFSET 8 IN. FROM FIRST LAYER.THREE-LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER- 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN.	Br Br
ING STRIPS AT 16" O.C.	OC. THIRD LAYER- 2-1/4 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. FOUR-LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER- 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER- 2-1/4 IN. LONG FOR 1/2 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 24 IN. OC. FOURTH LAYER- 2-5/8 IN.	Hope I 50 South roject Ne
ALL, FILL SOLID) PSI NON-SHRINK	LONG FOR 1/2 IN. THICK PANELS OR 3 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. 7. FURRING CHANNELS RESILIENT FURRING CHANNELS FABRICATED FROM MIN 25	H(550 Pro
	MSG CORROSION-PROTECTED STEEL, SPACED VERTICALLY A MAX OF 24 IN. OC. FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. LONG TYPE S-12 STEEL SCREWS.	
	8. STEEL FRAMING MEMBERS* USED TO ATTACH FURRING CHANNELS TO ONE SIDE OF STUDS ONLY. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH TWO NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREWS, ONE THROUGH THE HOLE AT EACH END OF THE CLIP. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.	Description Date
NALL		
3/4" = 1'-0"		
		PARTITION TYPES
PSUM WALLBOARD (1) LAYER, DR SIDE ONLY. SEE FINISH ULE.		DATE: 12/20/2023
RING STRIPS AT 16" O.C. ID INSULATION		DRAWN BY: CW REVISION:
WALL		SCALE As indicated
ROOFING HETIC STUCCO, PAINTED		A202
		TE OF FLOR
		STATION STATION
WALL 3/4" = 1'-0"		93669 93669
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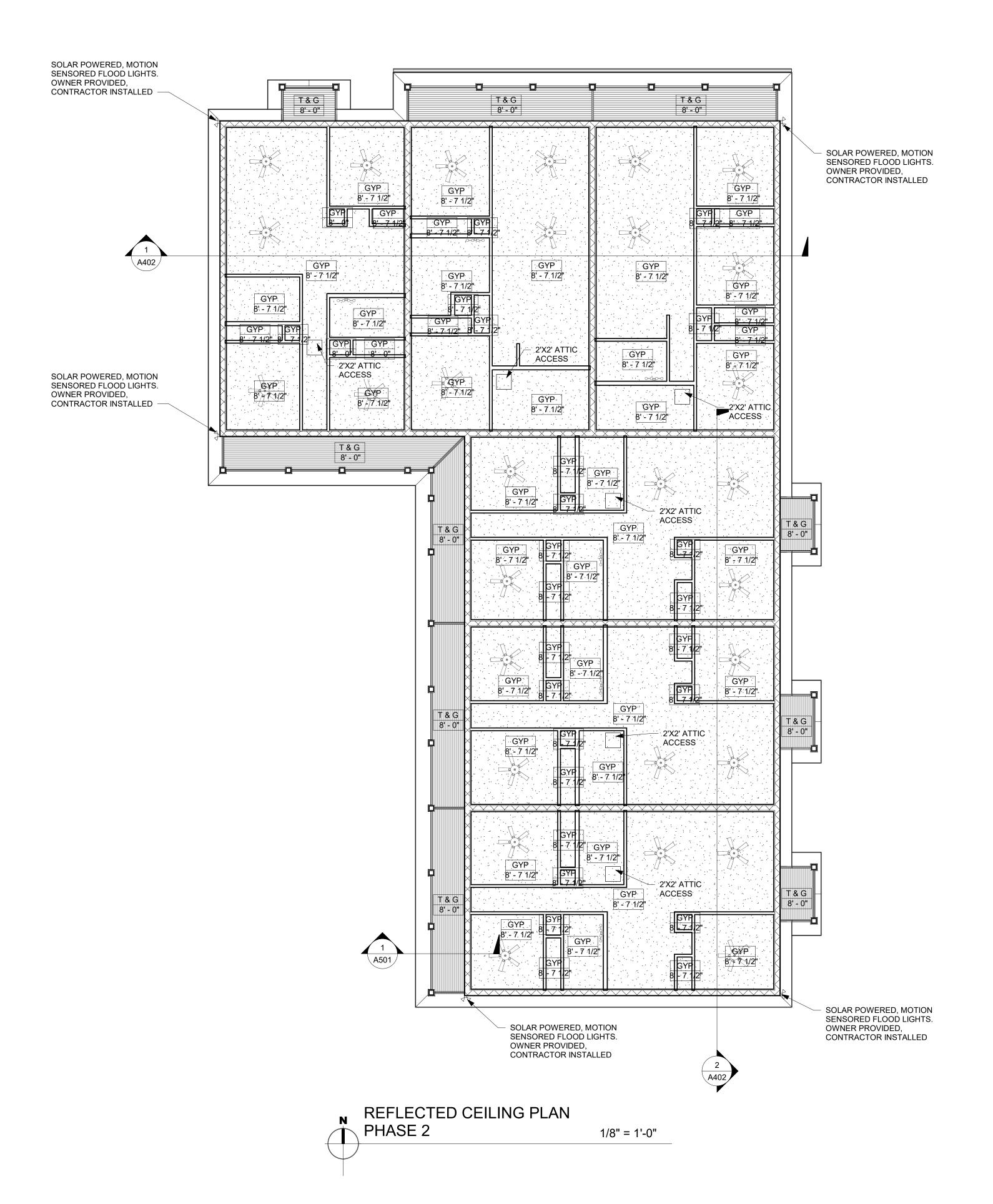




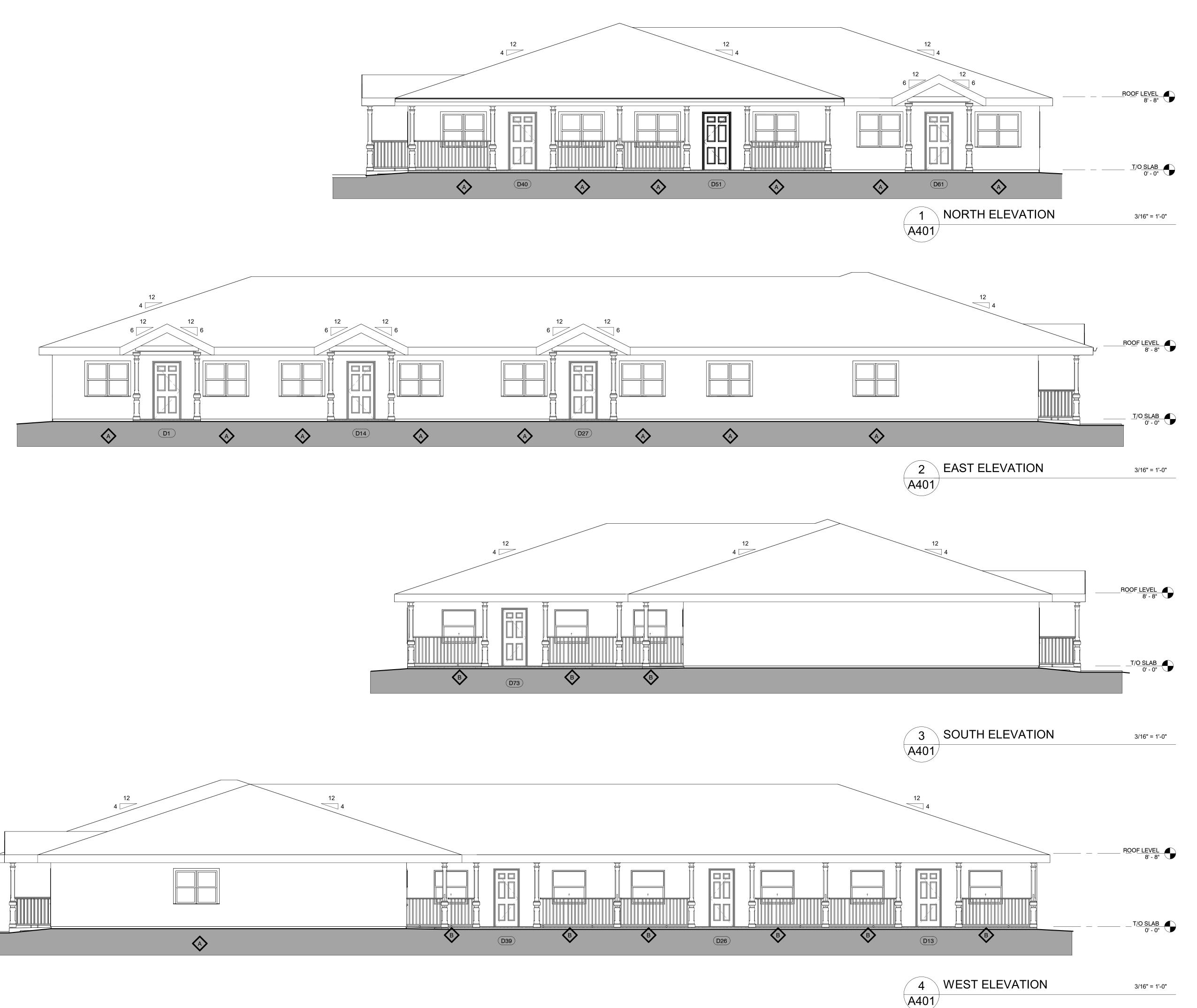


1/8" = 1'-0"



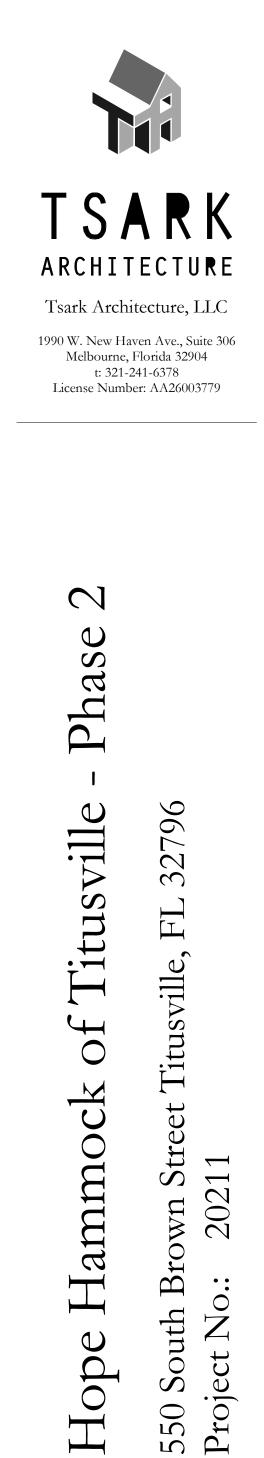


	REFLECTED CEILING PLAN NOTES	
	CEILING DETAILS DENOTE TYPICAL CONDITIONS	
	RCP LEGEND	TSARK
	GYPSUM WALLBOARD CEILING	ARCHITECTURE Tsark Architecture, LLC
SOLAR POWERED, MOTION	T & G WOOD CEILING	1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779
SENSORED FLOOD LIGHTS. OWNER PROVIDED, CONTRACTOR INSTALLED 8' - 7 1/2' B' - 7 1/2'	CEILING HEIGHT REFERENCE- SEE SCHEDULE OF FINISHES 1t CEILING TYPE 10'-0" CEILING HEIGHT	
GYP 8'-7 1/2		2
B'-7 1/2 B'-7 1/2 B'-7 1/2 B'-7 1/2		ase
<u>JL 8/- 7-1/2</u> <u>GYP</u> 8'- 7-1/2		- Phase
		ville - 32796
		Titusvil le, FL 327
T & G 8' - 0"		
GYP 8' - 7 1/2		
		mmocl wn Street 20211
GYP [] 8' - 7 · 1/2		LC B
T&G 8'-0"		No Ith No
		Hope 550 Sou Project
		Description Date
SOLAR POWERED, MOTION		REFLECTED CEILING PLAN
SENSORED FLOOD LIGHTS. OWNER PROVIDED, CONTRACTOR INSTALLED		DATE: 12/20/2023 DRAWN BY: CW
		REVISION: SCALE As indicated
		A301
		TATE OF FLORIDA GORY I. JS PROBA 93669
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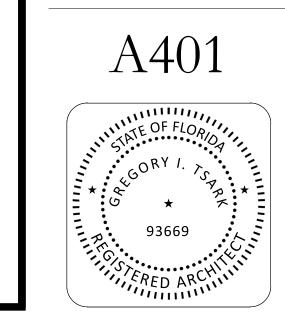


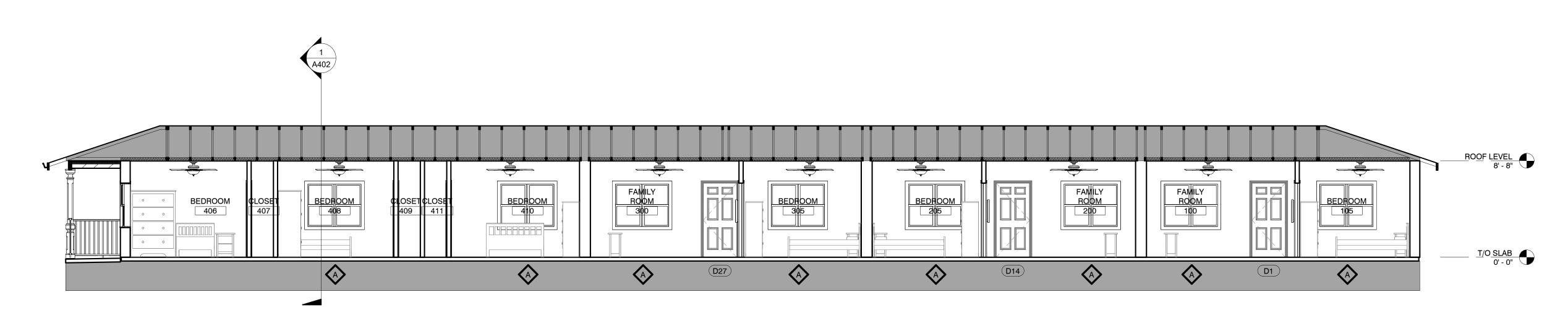
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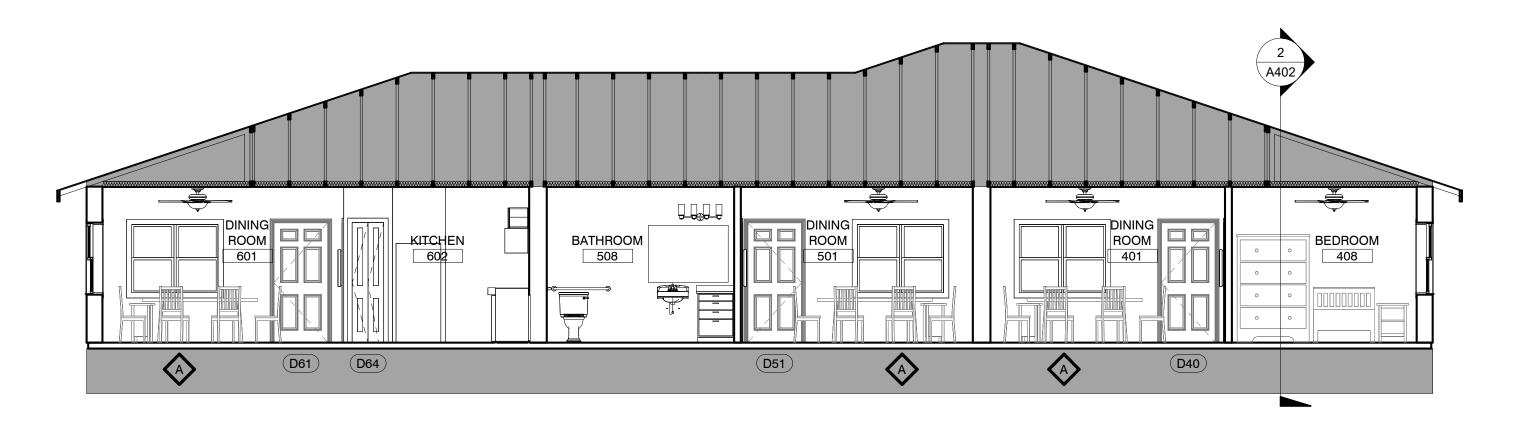
Hope

BUILDING ELEVATIONS

12/20/2023
CW
3/16" = 1'-0"











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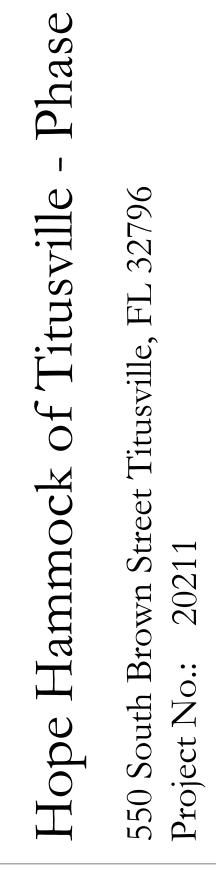
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2 BUILDING SECTION 3/16" = 1'-0" A402

BUILDING SECTION

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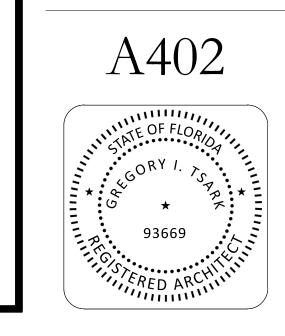
3/16" = 1'-0"

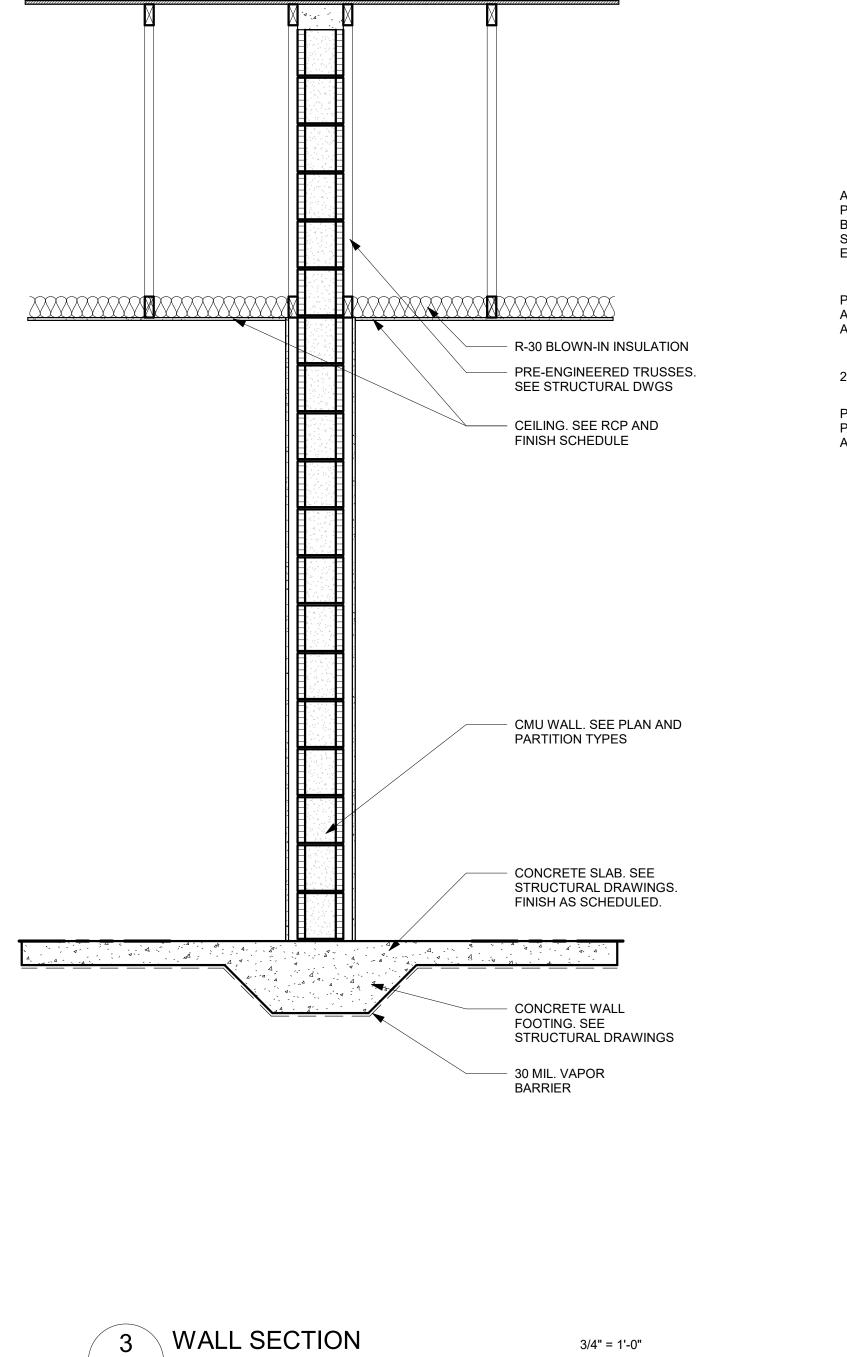


Description	Date

BUILDING SECTIONS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	3/16" = 1'-0"
CONCE	0,10 10





A501

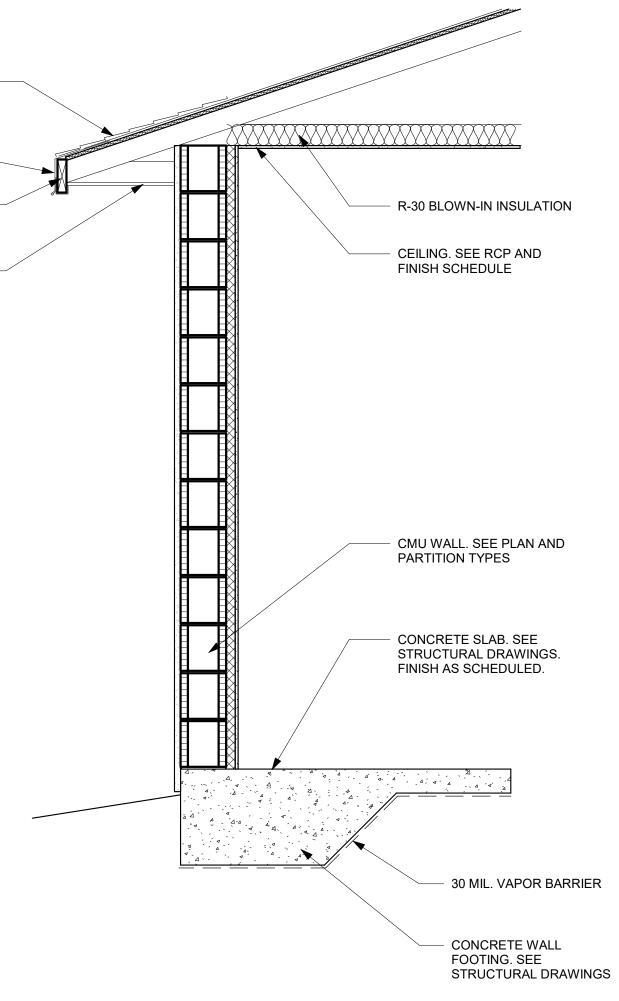
ASPHAULT SHINGLES ON PEEL-N-STICK MOISTURE BARRIER ON PLYWOOD SHEATHING ON PRE-ENGINEERED TRUSSES —

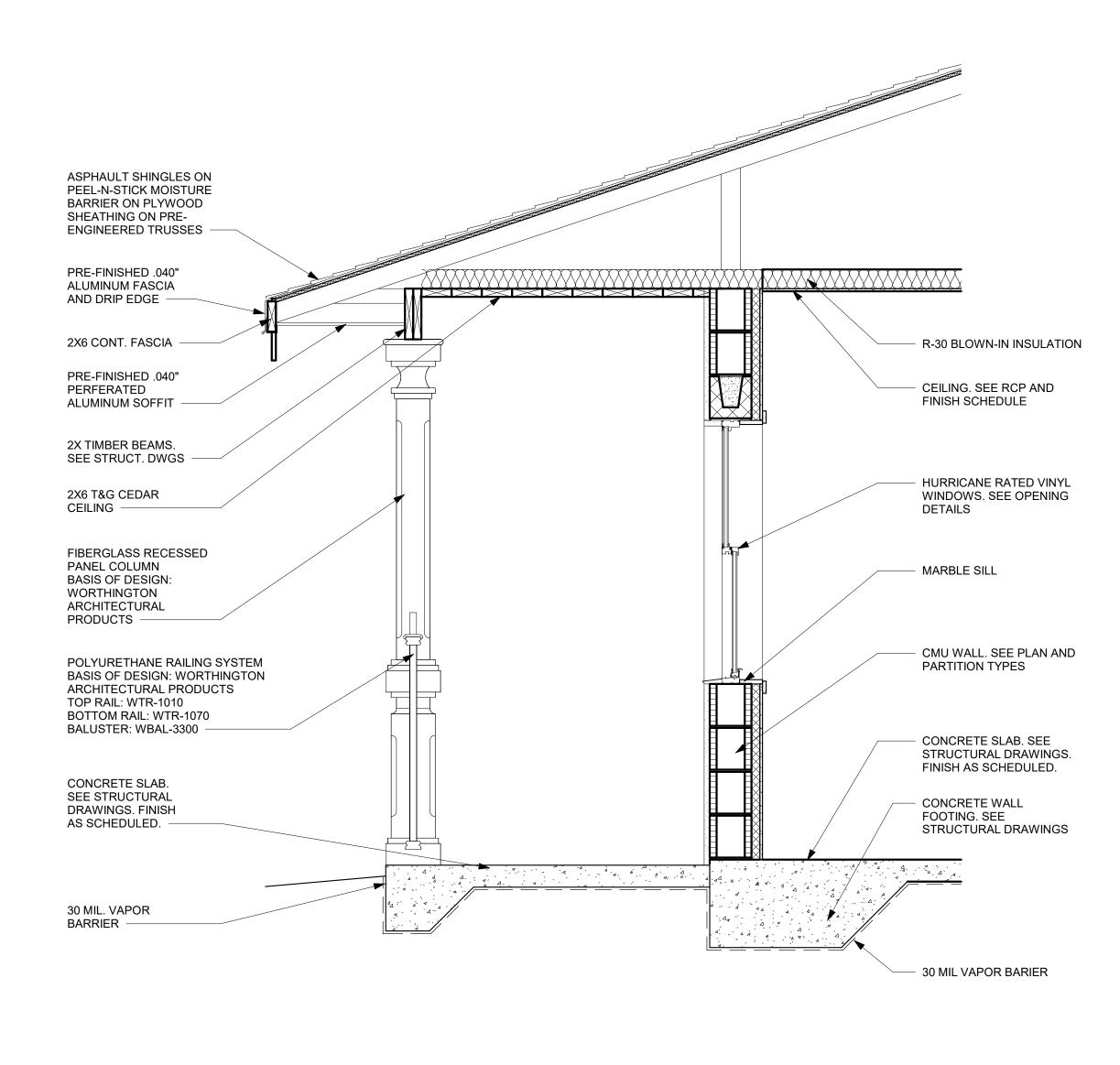
PRE-FINISHED .040" ALUMINUM FASCIA AND DRIP EDGE

2X6 CONT. FASCIA

PRE-FINISHED .040" PERFERATED ALUMINUM SOFFIT ------

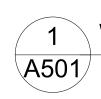








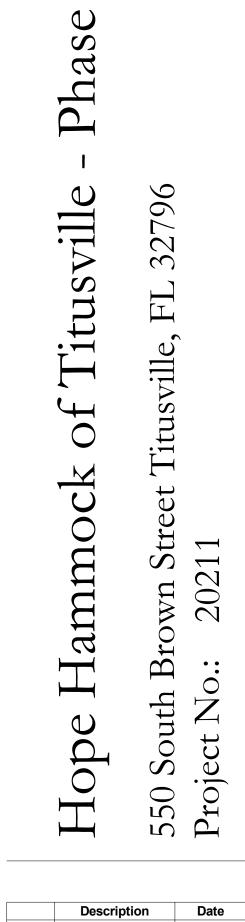
3/4" = 1'-0"





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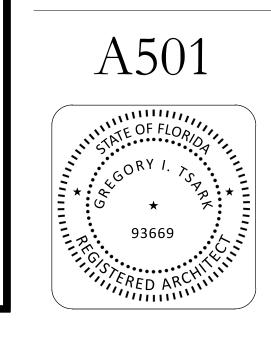
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Description	Date

SECTIONS AND DETAILS

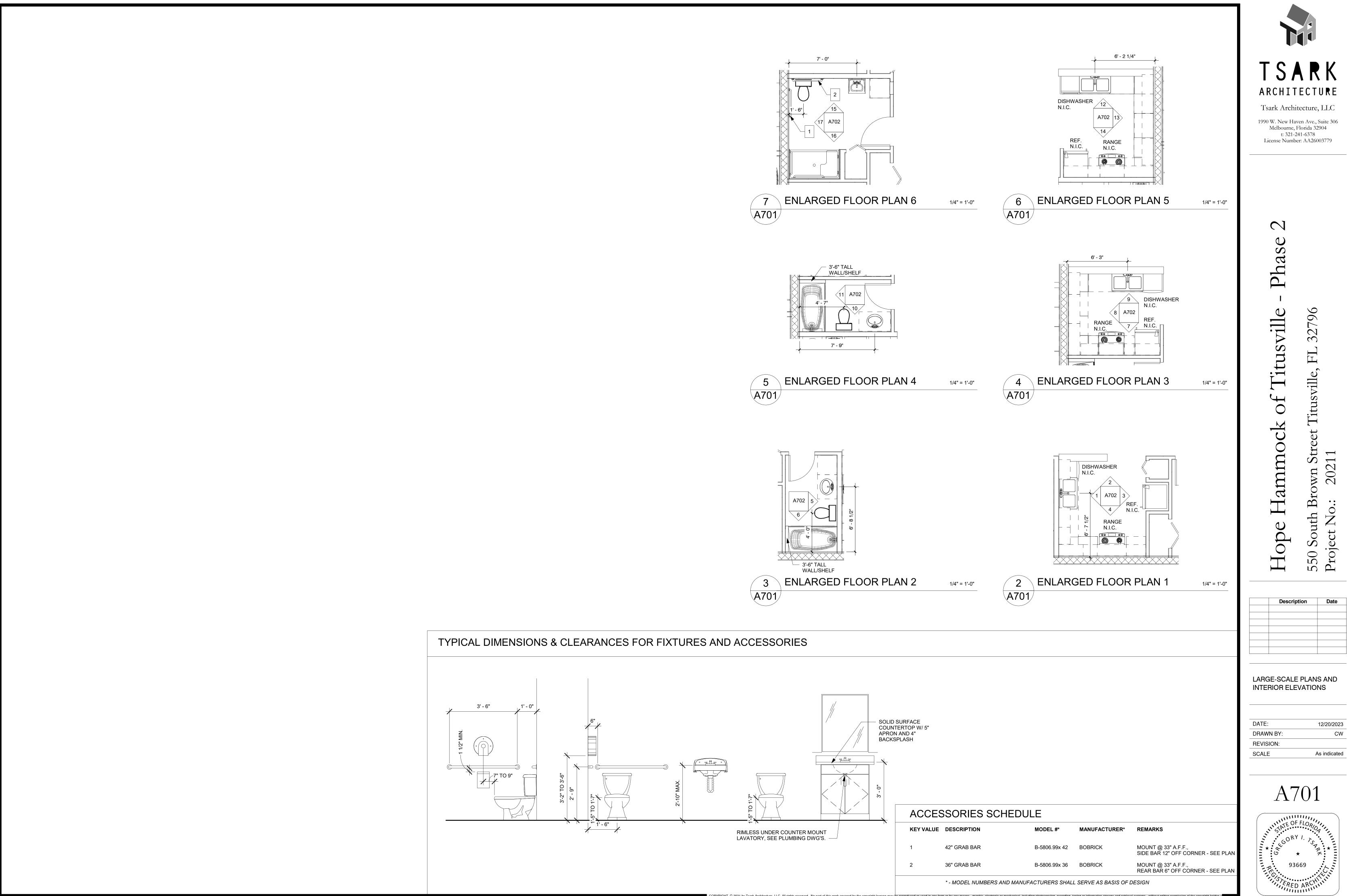
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DRAWN BY:	CW
REVISION:	
SCALE	3/4" = 1'-0"



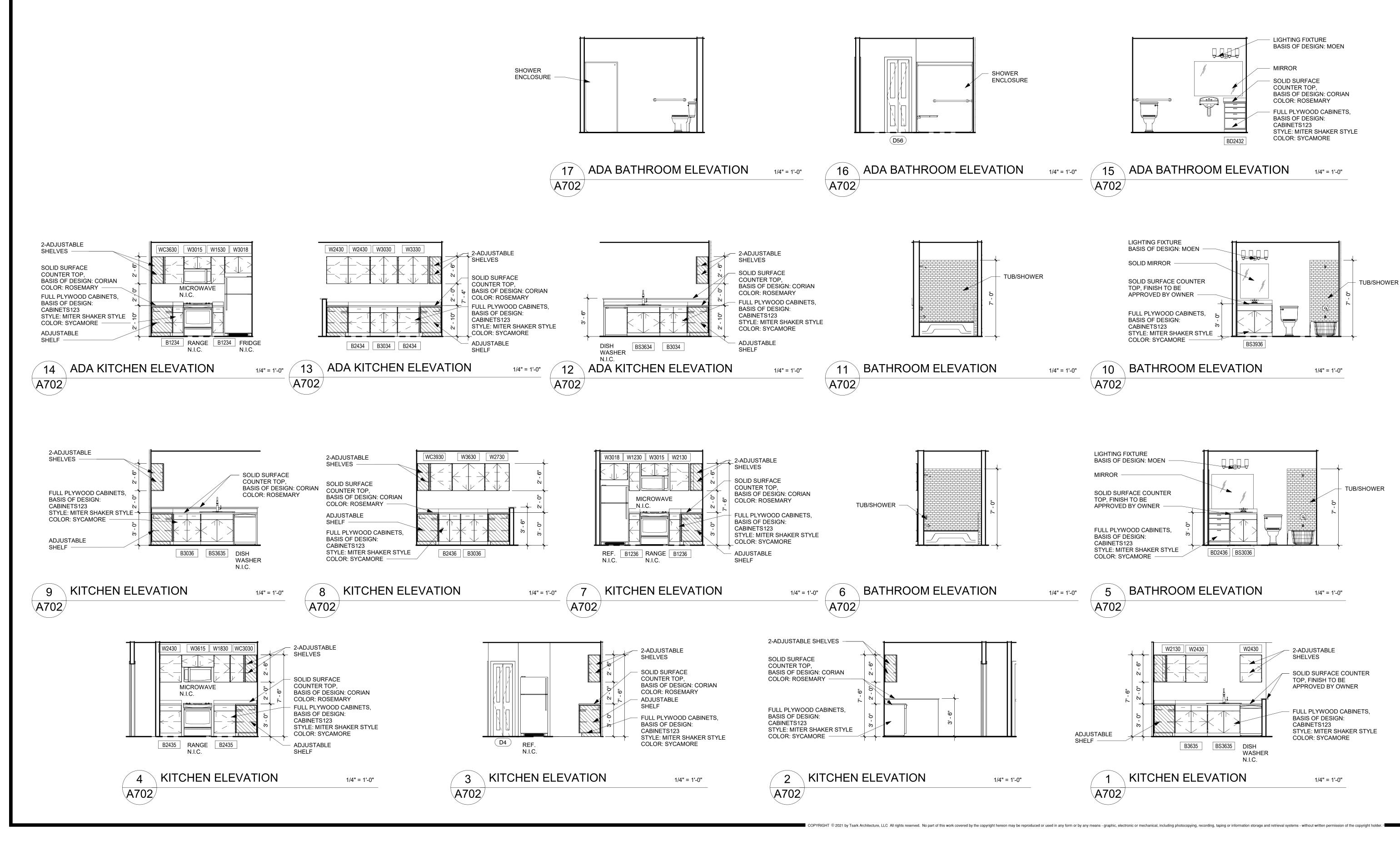
WALL SECTION

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3/4" = 1'-0"

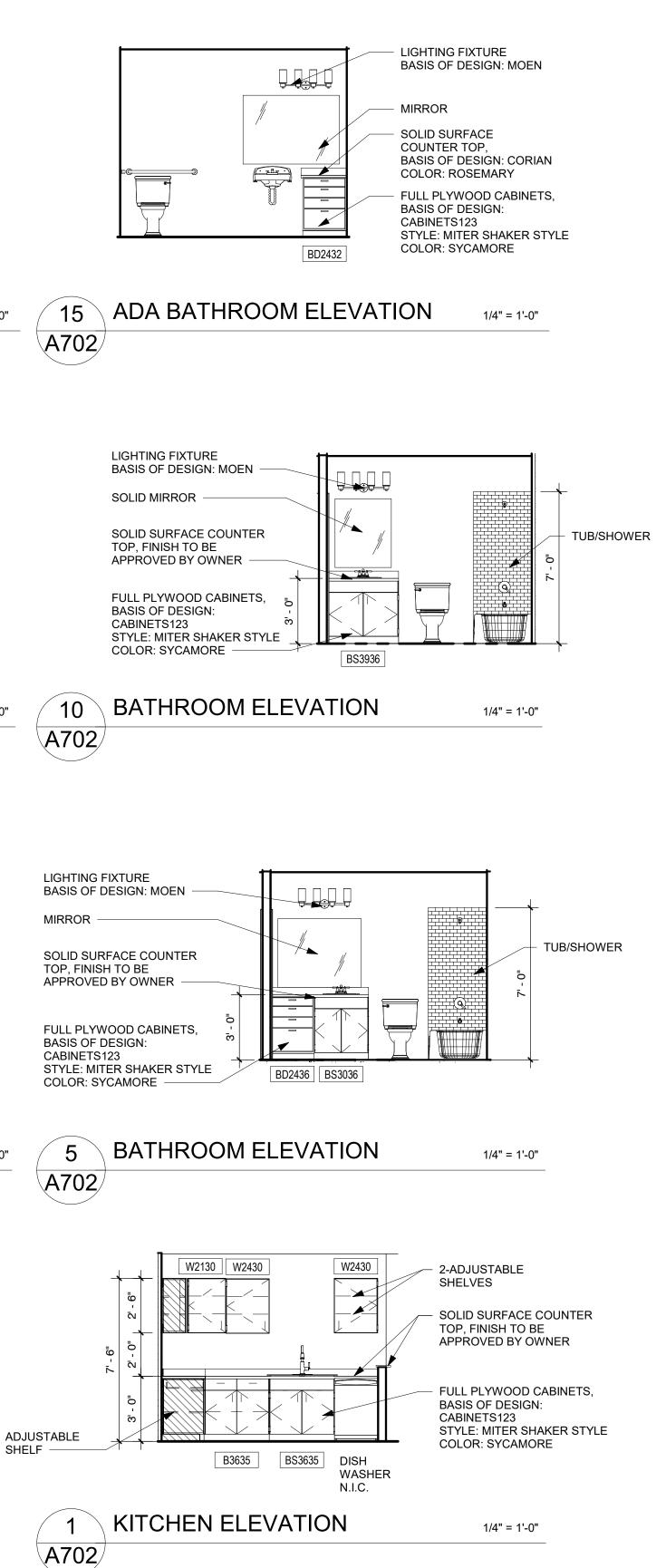


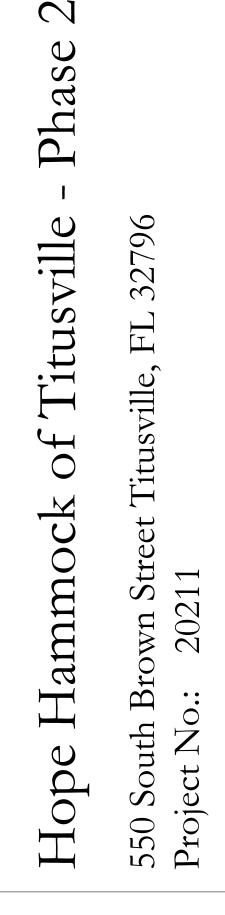
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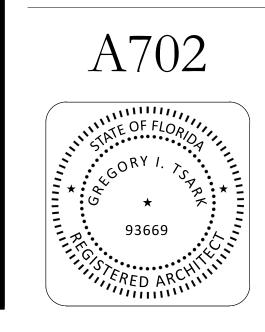


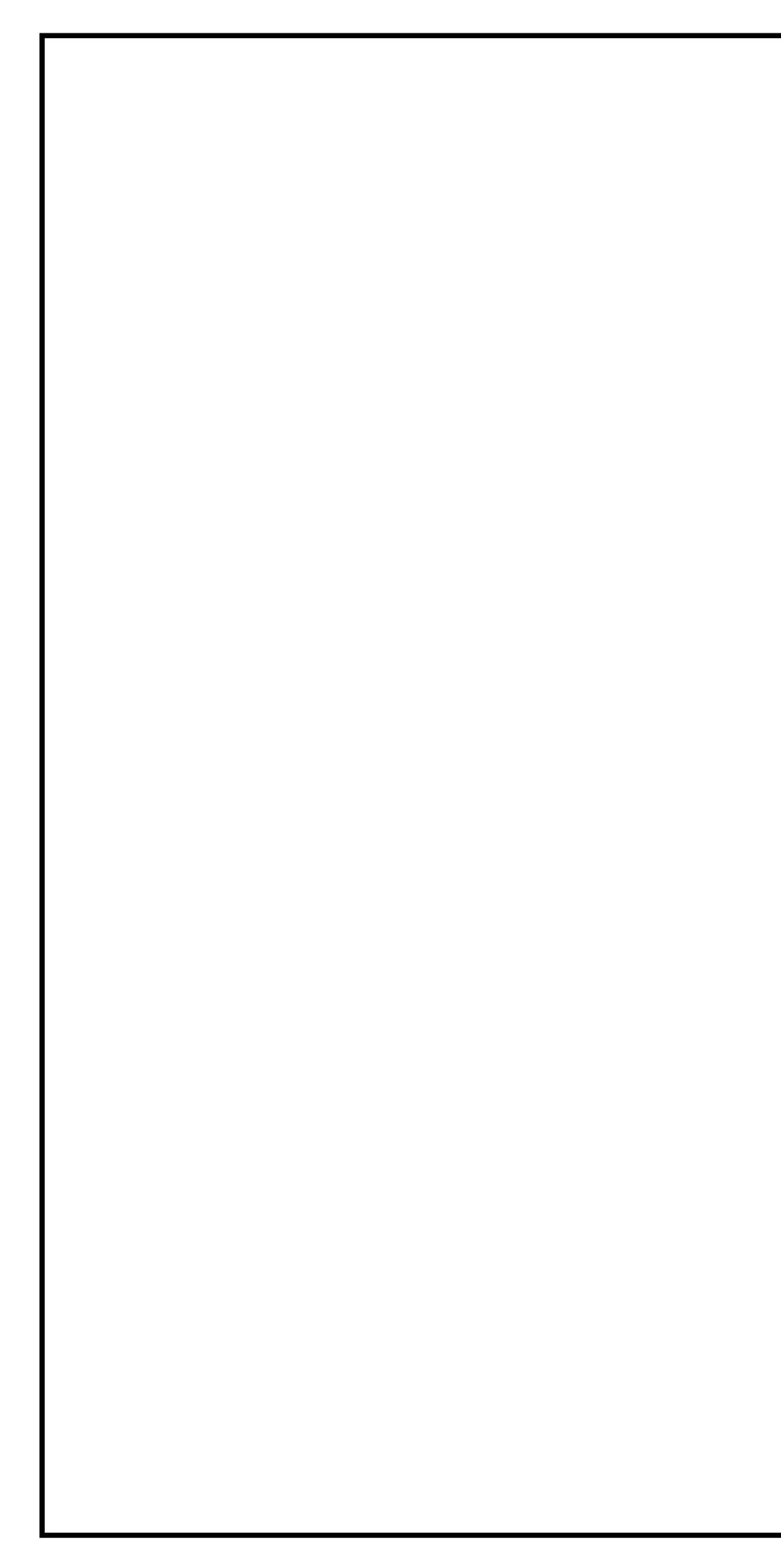


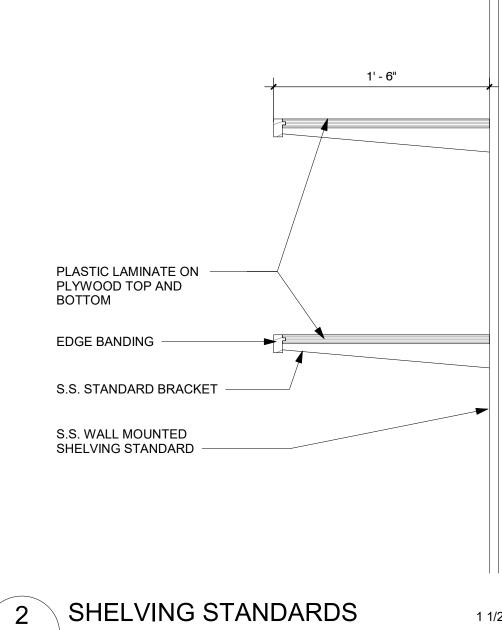
Description	Date

INTERIOR ELEVATIONS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	1/4" = 1'-0"



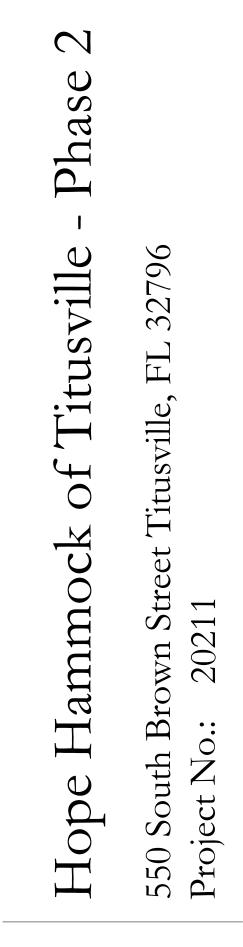




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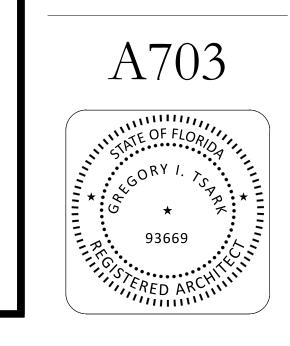
1990 W. New Haven Ave., Suite 306 Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

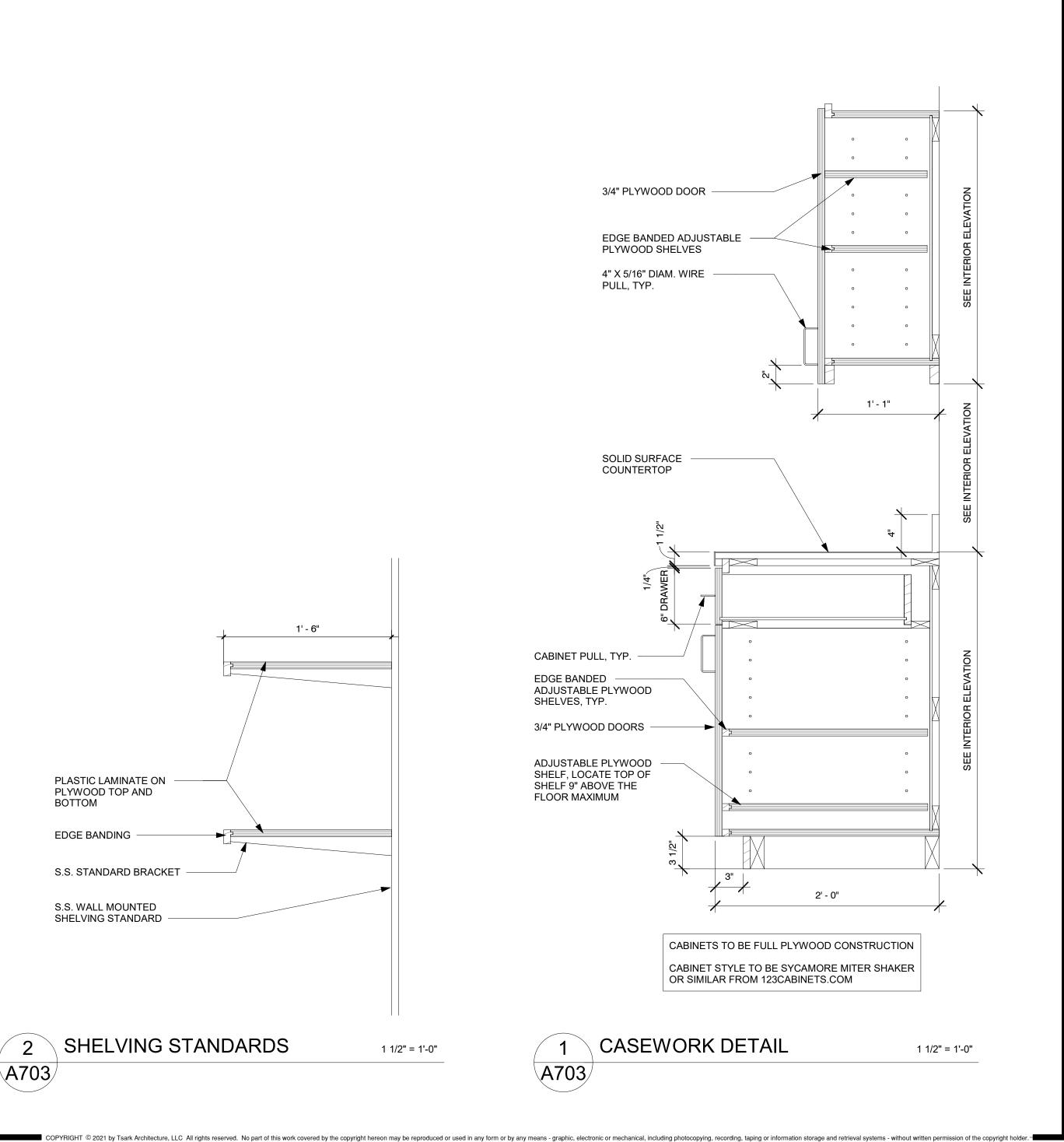


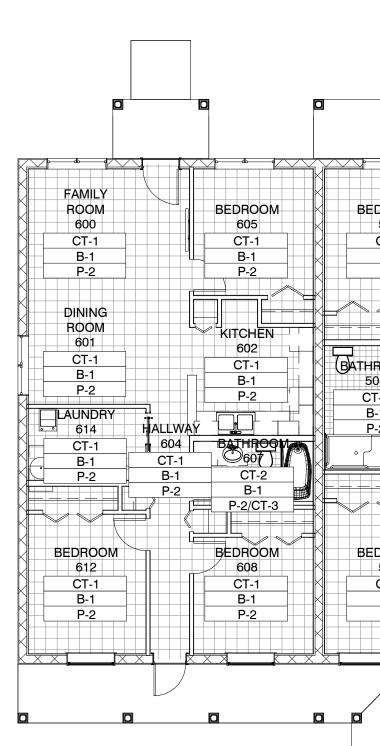
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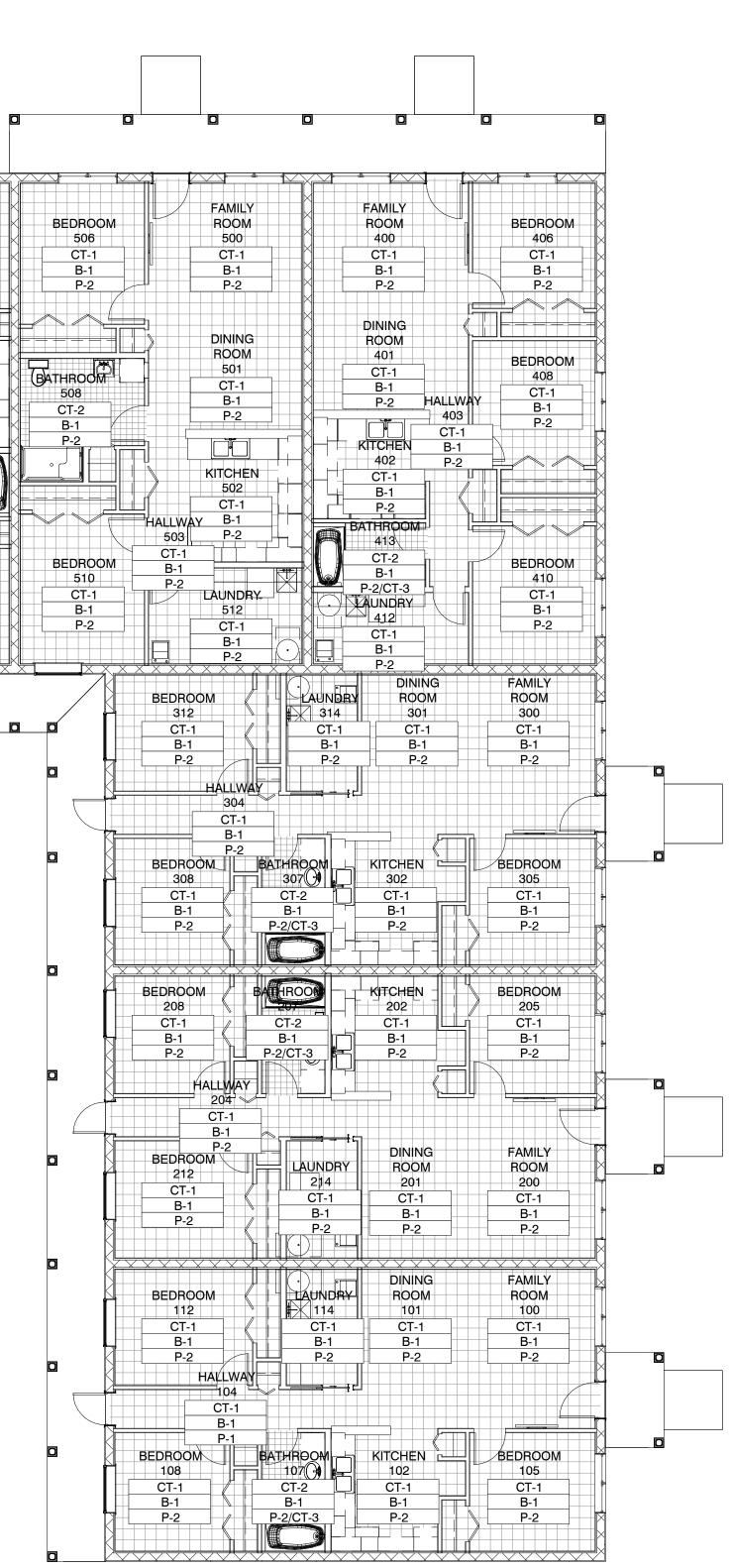
MILLWORK SECTIONS AND
DETAILS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	1 1/2" = 1'-0"









FINISH PLAN PHAS	E 2	
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	R		INISH S	SCHED	ULE	FINISH NOTES AND LEGEND
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish Comme	nts
100	FAMILY ROOM	CT-1	B-1	P-2	GWB-4	1. ALL INTERIOR FINISHES SHALL NOT EXCEED THE FLAME SPREAD AND SMOKE DEVELOPED REQUIREMENTS OF THE FLORIDA BUILDING CODE: CLASS A; FLAME SPREAD OF 76-200; SMOKE DEVELOPED 0-450
101 101	DINING ROOM DINING ROOM	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	2. ALL FLOORING MATERIALS SHALL HAVE A MANUFACTURER TESTED DCOF OF 0.42 OR
102 103	KITCHEN PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	GREATER
104	HALLWAY	CT-1	B-1	P-1	GWB-1	3. ALL FINISH SELECTIONS ARE LISTED AS A BASIS OF DESIGN. OWNER WILL APPROVE
105	BEDROOM	CT-1	B-1	P-2	GWB-4	FINAL SELECTIONS
106 107	CLOSET BATHROOM	CT-1 CT-2	B-1 B-1	P-1 P-2/CT-3	GWB-1 GWB-4	ROOM NAME ROOM FINISHES
107	BEDROOM	CT-2 CT-1	B-1	P-2	GWB-4	
109	CLOSET	CT-1	B-1	P-1	GWB-1	XX-X FLOOR FINISH XX-X A BASE FINISH
110	CLOSET LINEN	CT-1 CT-1	B-1 B-1	P-1 P-1	GWB-1 GWB-1	XX-X
111 112	BEDROOM	CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	
113	CLOSET	CT-1	B-1	P-1	GWB-1	FINISH SELECTION SCHEDULE
114 200	LAUNDRY FAMILY ROOM	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	
200	DINING ROOM	CT-1	B-1	P-2	GWB-4 GWB-4	FINISHES (FLOORS)
202	KITCHEN	CT-1	B-1	P-2	GWB-4	CT-1 PORCELAIN TILE BASIS OF DESIGN: DALTILE, STRAFORD PLACE
203 204	PANTRY HALLWAY	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	SIZE: 12" X 24" COLOR: ALABASTER SANDS SD91
204	BEDROOM	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	
206	CLOSET	CT-1	B-1	P-1	GWB-1	CT-2 PORCELAIN TILE - BATHROOMS BASIS OF DESIGN: DALTILE, AVONDALE
207	BATHROOM	CT-2	B-1	P-2/CT-3	GWB-4	SIZE: 12" X 24"
208 209	BEDROOM CLOSET	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	COLOR: CHATEAU CREME AD01
210	CLOSET	CT-1	B-1	P-1	GWB-1	WALL BASES
211	LINEN	CT-1	B-1	P-1	GWB-1	B-1 #5523 PVC COMPOSITE WHITE COLONIAL BASE MOULDING BASIS OF DESIGN: ROYAL BUILDING PRODUCTS
212 213	BEDROOM CLOSET	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	SIZE: 29/64" x 3 1/4" x 8'-0"
213	LAUNDRY	CT-1	B-1	P-2	GWB-1 GWB-4	COLOR: WHITE
300	FAMILY ROOM	CT-1	B-1	P-2	GWB-4	FINISHES (CEILINGS & WALLS)
301	DINING ROOM KITCHEN	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	GWB-4 GYPSUM WALLBOARD. LEVEL 4 JOINT COMPOUND FINISH. FINAL APPEARANCE SHALL HAVE NO MARKS OR RIDGES. READY FOR PRIMING,
302 303	PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	PAINT
304	HALLWAY	CT-1	B-1	P-2	GWB-4	CT-3 PORCELAIN TILE - BATHROOM SHOWERS
305	BEDROOM	CT-1	B-1	P-2	GWB-4	BASIS OF DESIGN: DALTILE, AVONDALE
306 307	CLOSET BATHROOM	CT-1 CT-2	B-1 B-1	P-1 P-2/CT-3	GWB-1 GWB-4	SIZE: 2" X 4" COLOR: CHATEAU CREME AD01
308	BEDROOM	CT-1	B-1	P-2	GWB-4	
309	CLOSET	CT-1	B-1	P-1	GWB-1	P-1 DOORS AND DOOR TRIM
310 311	CLOSET LINEN	CT-1 CT-1	B-1 B-1	P-1 P-1	GWB-1 GWB-1	BEHR PREMIUM PLUS, SATIN ENAMEL FINISH COLOR: PURE WHITE
312	BEDROOM	CT-1	B-1	P-1 P-2	GWB-1 GWB-4	
313	CLOSET	CT-1	B-1	P-1	GWB-1	P-2 WALLS KITCHEN/BATH - BEHR PREMIUM PLUS WHITE SEMI-GLOSS ENAMEL FINISH
314		CT-1	B-1	P-2	GWB-4	OTHER ROOMS - BEHR PREMIUM PLUS WHITE SATIN ENAMEL FINISH
400 401	FAMILY ROOM DINING ROOM	CT-1 CT-1	B-1 B-1	P-2 P-2	GWB-4 GWB-4	COLOR: PURE WHITE
402	KITCHEN	CT-1	B-1	P-2	GWB-4	P-3 CEILINGS
403	HALLWAY	CT-1	B-1	P-2	GWB-4	BEHR WHITE CEILING SATIN SHEEN
404 405	PANTRY CLOSET	CT-1 CT-1	B-1 B-1	P-1 P-1	GWB-1 GWB-1	COLOR: WHITE
406	BEDROOM	CT-1	B-1	P-2	GWB-4	P-4 EXTERIOR WALLS - MAIN COLOR
407	CLOSET	CT-1	B-1	P-1	GWB-1	VALSPAR DURAMAX EXTERIOR PAINT COLOR: PEACEFUL CALM #3005-2C
408 409	BEDROOM CLOSET	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	
409	BEDROOM	CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	P-5 EXTERIOR WALLS - TRIM VALSPAR DURAMAX EXTERIOR PAINT
411	CLOSET	CT-1	B-1	P-1	GWB-1	COLOR: WHITE
412 413	LAUNDRY BATHROOM	CT-1 CT-2	B-1 B-1	P-2 P-2/CT-3	GWB-4 GWB-4	PS PAINTED STRUCTURE
413 500	FAMILY ROOM	CT-2 CT-1	B-1 B-1	P-2/CT-3 P-2	GWB-4 GWB-4	GYPSUM WALLBOARD TYPE PRODUCT; PAINT ALL EXPOSED SURFACES,
501	DINING ROOM	CT-1	B-1	P-2	GWB-4	CONDUIT, DUCTWORK, ETC.
502	KITCHEN	CT-1	B-1 B-1	P-2	GWB-4	
503 504	HALLWAY PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	FINISH LEGEND
505	CLOSET	CT-1	B-1	P-1	GWB-1	
506	BEDROOM	CT-1	B-1	P-2	GWB-4	
507 508	CLOSET BATHROOM	CT-1 CT-2	B-1 B-1	P-1 P-2	GWB-1 GWB-4	CT-1
509	LINEN	CT-1	B-1	P-1	GWB-1	
510	BEDROOM	CT-1	B-1	P-2	GWB-4	CT-2
511 512	CLOSET LAUNDRY	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	
600	FAMILY ROOM	CT-1	B-1	P-2	GWB-4 GWB-4	
601	DINING ROOM	CT-1	B-1	P-2	GWB-4	
602 603	KITCHEN PANTRY	CT-1 CT-1	B-1 B-1	P-2 P-1	GWB-4 GWB-1	———————————————————————————————————————
603 604	HALLWAY	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	——
605	BEDROOM	CT-1	B-1	P-2	GWB-4	
606 607	CLOSET	CT-1	B-1	P-1	GWB-1	
607 608	BATHROOM BEDROOM	CT-2 CT-1	B-1 B-1	P-2/CT-3 P-2	GWB-4 GWB-4	——
609	CLOSET	CT-1	B-1	P-1	GWB-1	
610	CLOSET	CT-1	B-1	P-1	GWB-1	
611 612	PANTRY BEDROOM	CT-1 CT-1	B-1 B-1	P-1 P-2	GWB-1 GWB-4	—
613	CLOSET	CT-1	B-1 B-1	P-1	GWB-1	
	LAUNDRY	CT-1	B-1	P-2	GWB-4	

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550 South Brown Street Project No.: 20211

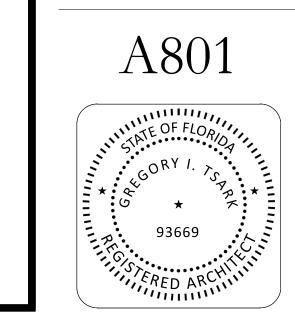
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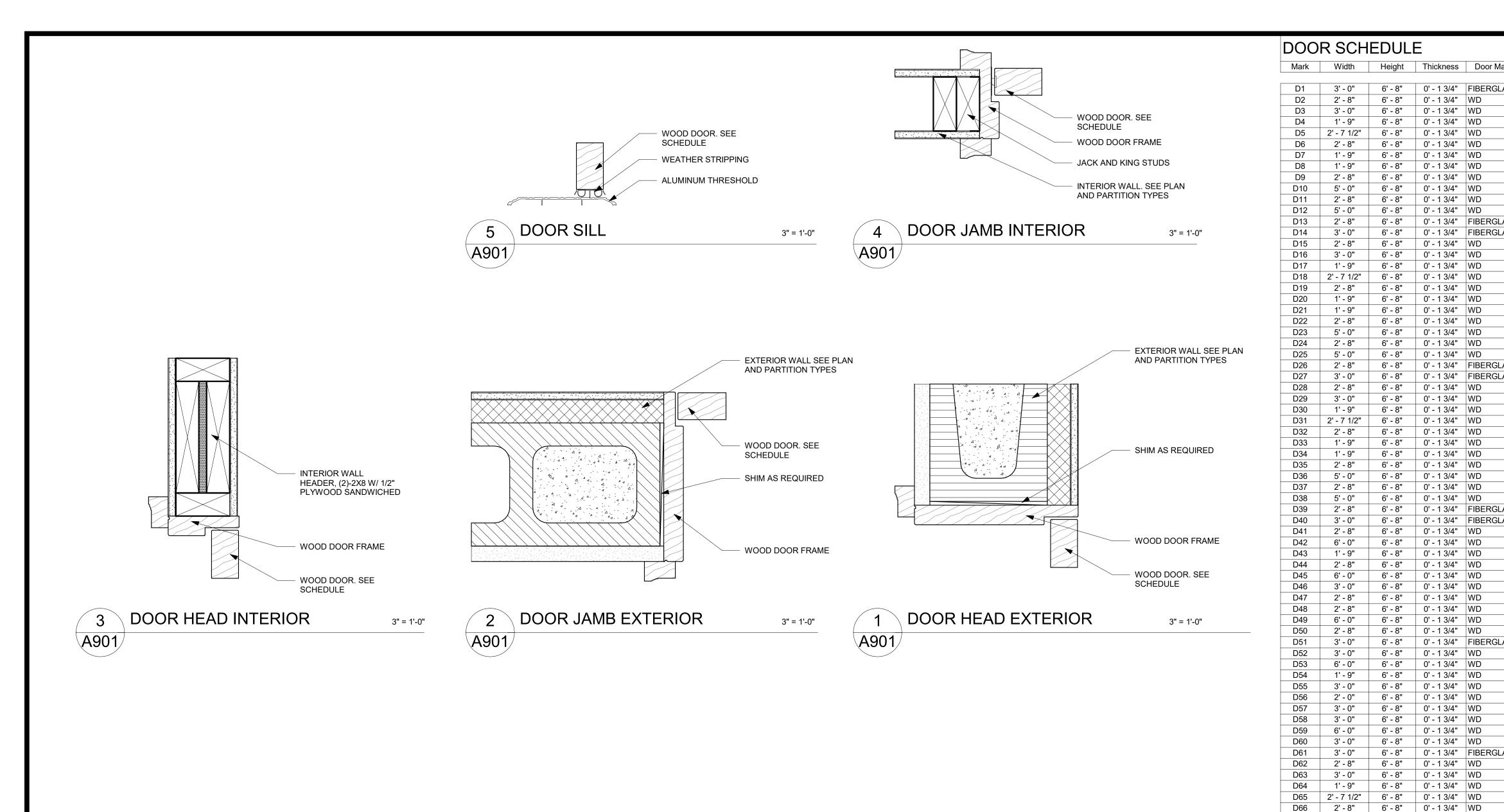
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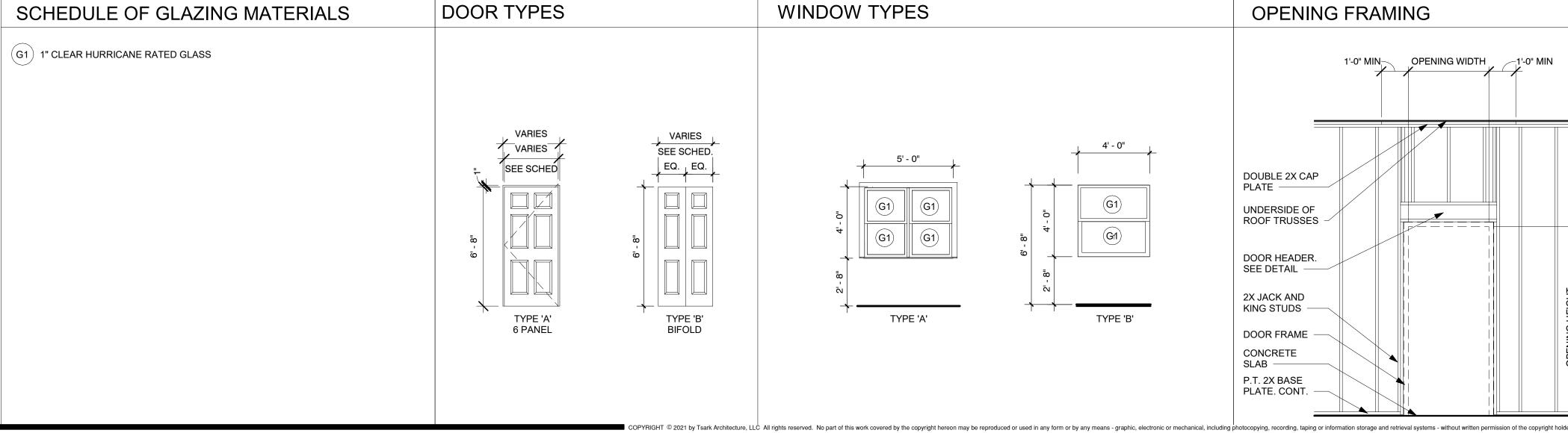
FINISH PLAN

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	1/8" = 1'-0"





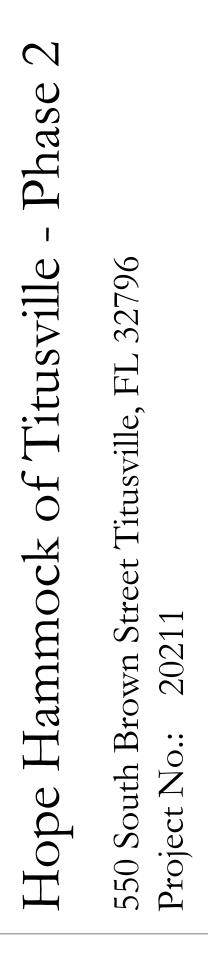
SCHEDULE OF G
G1 1" CLEAR HURRICANE RATE



DOO	R SCH	EDULI	E								
Mark	Width	Height	Thickness	Door Material	Door Finish	Door Type	Frame Material	Finish	Fire Rating	Hardware Set	Comments
D1	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D2	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D3	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D4	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D5 D6	2' - 7 1/2" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A A	 WD	PAINT PAINT			POCKET DOOR PRE-HUNG DOOR
D0	2 - 8 1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D8	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D9	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D10	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D11	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D12	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D13 D14	2' - 8" 3' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	FIBERGLASS FIBERGLASS	PAINT PAINT	A A	WD WD	PAINT PAINT			PRE-HUNG DOOR PRE-HUNG DOOR
D14	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D16	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D17	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D18	2' - 7 1/2"	6' - 8"	0' - 1 3/4"	WD	PAINT	A		PAINT			POCKET DOOR
D19	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D20	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D21	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D22 D23	2' - 8" 5' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A B	WD	PAINT PAINT			PRE-HUNG DOOR BI-FOLD DOOR
D23	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D25	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D26	2' - 8"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D27	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D28	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D29	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D30 D31	1' - 9" 2' - 7 1/2"	6' - 8" 6' - 8"	0' - 1 3/4"	WD WD	PAINT PAINT	B		PAINT PAINT			BI-FOLD DOOR POCKET DOOR
D31 D32	2 - 7 1/2 2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A A	 WD	PAINT			POCKET DOOR PRE-HUNG DOOR
D33	2 - 0 1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D34	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D35	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D36	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D37	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D38 D39	5' - 0" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD FIBERGLASS	PAINT PAINT	B	 WD	PAINT PAINT			BI-FOLD DOOR PRE-HUNG DOOR
D39 D40	2 - 8 3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A A	WD	PAINT			PRE-HUNG DOOR
D40	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D42	6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D43	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D44	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D45	6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D46	3' - 0" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4"	WD		B	 WD	PAINT PAINT			BI-FOLD DOOR PRE-HUNG DOOR
D47 D48	2 - 8 2' - 8"	6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A A	WD	PAINT			PRE-HUNG DOOR
D40	2 - 0 6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D50	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D51	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D52	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D53	6' - 0"	6' - 8"	0' - 1 3/4"	WD		В		PAINT			BI-FOLD DOOR
D54	1' - 9" 3' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD		B	 WD				
D55 D56	3' - 0" 2' - 0"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	A B	WD 	PAINT PAINT			PRE-HUNG DOOR BI-FOLD DOOR
D50	2 - 0 3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT		<u> </u>	BI-FOLD DOOR
D58	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D59	6' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D60	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D61	3' - 0"	6' - 8"	0' - 1 3/4"	FIBERGLASS	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D62	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D63	3' - 0"	6' - 8"	0' - 1 3/4"	WD		B					BI-FOLD DOOR
D64 D65	1' - 9" 2' - 7 1/2"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD WD	PAINT PAINT	B A		PAINT PAINT			BI-FOLD DOOR POCKET DOOR
D65	2 - 7 1/2 2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			POCKET DOOR PRE-HUNG DOOR
D67	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D68	1' - 9"	6' - 8"	0' - 1 3/4"	WD	PAINT	B		PAINT			BI-FOLD DOOR
D69	2' - 8"	6' - 8"	0' - 1 3/4"	WD	PAINT	A	WD	PAINT			PRE-HUNG DOOR
D70	5' - 0"	6' - 8"	0' - 1 3/4"	WD	PAINT	В		PAINT			BI-FOLD DOOR
D71	2' - 8"	6' - 8"	0' - 1 3/4"	WD		A	WD				PRE-HUNG DOOR
D72 D73	5' - 0" 2' - 8"	6' - 8" 6' - 8"	0' - 1 3/4" 0' - 1 3/4"	WD FIBERGLASS	PAINT PAINT	B	 WD	PAINT PAINT			BI-FOLD DOOR PRE-HUNG DOOR
013	2 - Ö	0-0	0 - 1 3/4	I IDERGLASS	FAINT	A	٧٧D	FAINT			



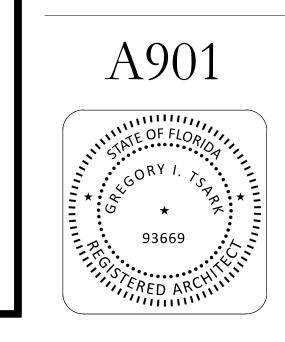
Melbourne, Florida 32904 t: 321-241-6378 License Number: AA26003779

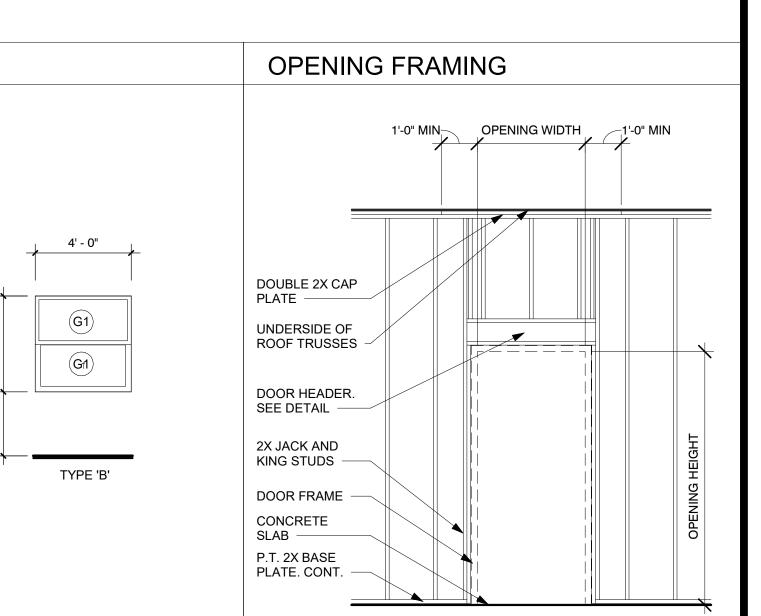


Description	Date

SCHEDULE OF OPENINGS, OPENING TYPES, FRAME TYPES

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	As indicated





Opening List		h. Mounting locations for hard i. Door and frame sizes and r	
	<u>me Type</u> WD WD	j. Name and phone number for product.	or local manufacturer's representative fo
203 U-7 WD 204 U-7 WD	ND ND ND	switches, magnetic holders or	lectric strikes, automatic operators, doo closer/holder units, and access control cription should include how door will ope
206 U-4 WD 207 U-7 WD	ND ND ND		moke alarm connection. ubmit door hardware schedule concurre ta, Samples, and Shop Drawings. Coor
209 U-3 WD 210 U-8 WD	WD WD WD	submission of door hardwa	re schedule with scheduling requirement cation of other work that is critical in Pro
212 U-8 WD 213 U-2 FG	WD WD WD		rovide keying schedule listing levels of em's function, key symbols used and do
215 U-3 WD 216 U-7 WD	WD WD WD	numbers controlled. b. Use ANSI/BHMA A156.28	Recommended Practices for Keying Sy definitions, and approach for selecting of
218 U-6 WD 219 U-4 WD	ND ND ND ND	keying system. c. Provide 3 copies of keying	schedule for review prepared and detail HI publication. Include schematic keying
221 U-7 WD 222 U-3 WD	ND ND ND ND	and index each key to unique of d. Index keying schedule by d	
224 U-3 WD 225 U-8 WD	WD WD WD	e. Provide one complete bittin illustrating system usage and e	g list of key cuts and one key system so
227 U-1 FG 228 U-3 WD	WD WD WD	by means as directed by O	wner. under supervision of supplier, detailing
230 U-7 WD 231 U-6 WD	WD WD WD	doors, frames and other work spe installation.	l of hardware schedule, provide templat cified to be factory prepared for door ha
233 U-7 WD 234 U-7 WD	WD WD WD	C. Informational Submittals: 1. Qualification Data: For Supplic Consultant.	er, Installer and Architectural Hardware
236 U-8 WD 237 U-3 WD	WD WD WD	 Certify that door hardware a 	ied door hardware, signed by manufactu approved for use on types and sizes of I listed fire-rated door assemblies.
239 U-2 FG 240 U-1 FG	WD WD WD	 Certificates of Compliance: a. Certificates of compliance f if requested by Architect or Au 	or fire-rated hardware and installation in thority Having Jurisdiction.
242 U-8 WD 243 U-7 WD	WD WD WD		Certification: Letter of compliance, signe etion of installer training meeting specifie cle, herein.
245 U-8 WD 246 U-7 WD	WD WD WD	compliance, signed by Contrac	ination Conference Certification: Letter ctor, attesting to completion of electrified ence, specified in "QUALITY ASSURANC
248 U-3 WD 249 U-8 WD	ND ND ND	on evaluation of comprehensive t	npliance with accessibility requirements ests performed by manufacturer and wit
251 U-1 FG 252 U-3 WD	ND ND ND	routes. 3. Warranty: Special warranty sp	or hardware on doors located in access pecified in this Section.
254 U-7 WD 255 U-4 WD	ND ND ND	include:	Data: Provide in accordance with Division
257 U-7 WD 258 U-3 WD	ND ND ND	and replacement parts, and in b. Catalog pages for each pro	
261 U-1 FG	ND ND ND	manufacturer. d. Parts list for each product.	number of local representatives for eac
264 U-7 WD	ND ND ND	f. Final keying scheduleg. Copies of floor plans with k	
267 U-7 WD	ND ND ND	voltage and 110 volts. i. Copy of warranties includin	s for each opening connected to power, g appropriate reference numbers for
270 U-8 WD 271 U-3 WD	ND ND ND	manufacturers to identify proje 1.2QUALITY ASSURANCE A. Product Substitutions: Comply with p	
273 U-2 FG	ND ND	Substitute," including make or mo	product is named and accompanied by del number or other designation, provide have been selected for their unique
SECTION 08 7100 - DOOR HARDWARE PART 1 -GENERAL 1.1RELATED DOCUMENTS		characteristics and particular proj a. Where no additional produc	
A. Drawings and general provisions of the Contr Supplementary Conditions and Division 01 Spec 1.2SUMMARY		B. Supplier Qualifications and Responsi supplier with record of successful in-ser similar in quantity, type, and quality to th	bilities: Recognized architectural hardwa vice performance for supplying door har
A. Section includes: 1. Mechanical and electrified door hardwa a. Swinging doors. B. Related Sections:	re for:	certified Architectural Hardware Consult Contractor, at reasonable times during t 1. Warehousing Facilities: In Pro	ant (AHC) available to Owner, Architect he Work for consultation.
1. Division 01 Section "Alternates" for alter 2. Division 07 Section "Joint Sealants" for threshold installation specified in this section	sealant requirements applicable to	schedules.	eparation of door hardware and keying reparation of data for electrified door har
 Division 09 sections for touchup finishi modified by this section. 1.3REFERENCES 		manufacturer's standard units in a Project.	on testing and engineering analysis of assemblies similar to those indicated for
 A. UL - Underwriters Laboratories 1. UL 10B - Fire Test of Door Assemblies 2. UL 10C - Positive Pressure Test of Fire 	Door Assemblies	hardware with Architect and elect technical data to Architect and oth	
3. UL 1784 - Air Leakage Tests of Door A 4. UL 305 - Panic Hardware B. DHI - Door and Hardware Institute		verify that all components are C. Installer Qualifications: Qualified trad	esmen, skilled in application of commer
 Sequence and Format for the Hardwar Recommended Locations for Builders Key Systems and Nomenclature 		hardware with record of successful in-se similar in quantity, type, and quality to th D. Architectural Hardware Consultant Q	at indicated for this Project. ualifications: Person who is experience
C. ANSI - American National Standards Institute 1. ANSI/BHMA A156.1 - A156.29, and AN Hardware and Specialties.	ISI/BHMA A156.31 - Standards for	providing consulting services for door ha material, design, and extent to that indic requirements:	ated for this Project and meets these
D. Florida Building Codes. 1.4SUBMITTALS A. General:		Can provide installation and te subcontractors.	ed, Architectural Hardware Consultant (chnical data to Architect and other relate
 Submit in accordance with Conditions or requirements. Highlight, encircle, or otherwise specification 		installation. 4. Capable of producing wiring di	
from Contract Documents, issues of incon detrimentally affect the Work. 3. Prior to forwarding submittal, comply w	ith procedures for verifying existing door	electrical engineers. E. Single Source Responsibility: Obtair manufacturer.	ation of electrified hardware with Archite n each type of door hardware from single
and frame compatibility for new hardware, "EXAMINATION" article, herein. B. Action Submittals:		 Provide electrified door hardwate hardware, unless otherwise indicate 	are from same manufacturer as mechar ated. ectrical modifications and that are listed
 Product Data: Product data including r each item of door hardware, installation in parts and finish, and other information nec 	structions, maintenance of operating		e to authorities having jurisdiction are ac n Components testing: Listed and labele
requirements. 2. Riser and Wiring Diagrams: After final details of electrified door hardware, indica	ing:	according to ANSI A250.13. Further con Openings. G. Fire-Rated Door Openings: Provide	npliance with Florida Building Codes for
 a. Wiring Diagrams: For power, signa 1) Details of interface of electrified security systems. 2) Schematic diagram of systems t 	door hardware and building safety and	complies with NFPA 80 and requiremen items of door hardware that are listed ar Underwriters Laboratories, Intertek Test	ts of authorities having jurisdiction. Prov nd are identical to products tested by
 ardware. 3) Point-to-point wiring. 4) Risers. 		organizations acceptable to authorities h doors indicated, based on testing at pos UL 10C and in compliance with requiren	naving jurisdiction for use on types and s itive pressure and according to NFPA 2
 Samples for Verification: If requested l sample installations of each type of expos tagged with full description for coordination 	ed hardware unit in finish indicated, and	H. Smoke- and Draft-Control Door Asse assemblies are required, provide door h tested according to UL 1784 and installe	ardware that meets requirements of ass ed in compliance with NFPA 105.
a. Samples will be returned to supplier	in like-new condition. Units that are check of operations, be incorporated into	 Air Leakage Rate: Maximum a differential of 0.3-inch wg of water I. Electrified Door Hardware: Listed an 	air leakage of 0.3 cfm/sq. ft. at tested pro .d labeled as defined in NFPA 70, Article
4. Door Hardware Schedule: Submit sch format as illustrated by Sequence of Form published by the Door and Hardware Instit	edule with hardware sets in vertical at for the Hardware Schedule as	testing agency acceptable to authorities J. Means of Egress Doors: Latches do Locks do not require use of key, tool, or	not require more than 15 lbf to release special knowledge for operation.
each item required for each door or opening			<pre>ilations cited in "REFERENCES" article, do not require tight grasping, pinching,</pre>
b. Opening Lock Function Spreadshee each opening. c. Type, style, function, size, and finisl	-		rements: nged Doors: 5 lbf applied perpendicular
 d. Name and manufacturer of each ite e. Fastenings and other pertinent infor 	m.	c. Fire Doors: Minimum open jurisdiction.	Ibf applied parallel to door at latch. ing force allowable by authorities having
	nbols, and codes contained in schedule.	3. Bevel raised thresholds with sl more than 1/2 inch high.	ope of not more than 1:2. Provide thres

cturer's representative for each

- ny electrified hardware (locks, utomatic operators, door position nits, and access control
- nclude how door will operate on nection. ware schedule concurrent with
- nd Shop Drawings. Coordinate h scheduling requirements of work that is critical in Project
- chedule listing levels of keying as key symbols used and door
- Practices for Keying Systems" approach for selecting optimal
- view prepared and detailed in Include schematic keying diagram
- yset, hardware heading number, npina instructions. s and one key system schematic
- stem schematic directly to Owner,
- sion of supplier, detailing Owner's
- hedule, provide templates for tory prepared for door hardware
- Architectural Hardware
- are, signed by manufacturer: e on types and sizes of labeled door assemblies.
- dware and installation instructions lurisdiction. tter of compliance, signed by training meeting specified in
- nce Certification: Letter of completion of electrified n "QUALITY ASSURANCE"
- ccessibility requirements, based by manufacturer and witnessed doors located in accessible
- ection.
- n accordance with Division 01 and ce. and adjustment; data on repair
- I representatives for each
- to reflect conditions as installed.
- ing connected to power, both low eference numbers for
- ents stated in Division 01 and as ed and accompanied by "No other designation, provide product ected for their unique
- urers are listed in product
- vern product selection. nized architectural hardware ce for supplying door hardware this Project and that provides lable to Owner, Architect, and
- or hardware and keying
- ata for electrified door hardware, ngineering analysis of lar to those indicated for this
- ation of electronic security and provide installation and ontractors.
- dware installation, inspect and n application of commercial grade nce for installing door hardware
- this Project. Person who is experienced in tions that are comparable in
- ject and meets these I Hardware Consultant (AHC).
- Architect and other related king order upon completion of
- ed hardware with Architect and
- oor hardware from single nanufacturer as mechanical door
- ations and that are listed by testing having jurisdiction are acceptable. esting: Listed and labeled by a aving jurisdiction, based on testing
- orida Building Codes for Exterior for fire-rated openings that having jurisdiction. Provide only
- to products tested by other testing and inspecting on for use on types and sizes of and according to NFPA 252 or
- ed door and door frame labels. smoke- and draft-control door eets requirements of assemblies with NFPA 105.
- .3 cfm/sq. ft. at tested pressure fined in NFPA 70, Article 100, by
- re than 15 lbf to release latch. dge for operation.
- loors in an accessible route, "REFERENCES" article, herein. tight grasping, pinching, or more than 5 lbf.
- bf applied perpendicular to door. allel to door at latch. ble by authorities having
- than 1:2. Provide thresholds not

4. Adjust door closer sweep periods so that, from open position of 70 degrees, door will take at least 3 seconds to move to 3 inches from latch, measured to leading edge of door.

1.2BORED LOCKS – GRADE 2, STANDARD DUTY

3. Fit modified ANSI A115.2 door preparation.

7. 1/2" inch throw latchbolt for all single doors.

2. Acceptable Manufacturers: Sargent DL series.

2. Cylinders: Refer to "KEYING" article, herein.

Provide proper latch throw for UL listing at pairs.

b. Fit modified ANSI A115.3 door preparation.

d. 2-3/4" backset, or 2 3/8" backset as needed.

f. Provide locksets with 6-pin core.

manufacturer's series as indicated.

system per "KEYING" article herein.

cylinders/cores involved at no additional cost to Owner.

following requirements in Project locations as indicated.

B. Keying Requirements – General for Commercial

b. Provide (6) Master Kevs.

c. Provide (2) Control Kevs

1. Scheduled Manufacturer: lves

B. Provide door stops at each door leaf as specified.

1. Scheduled Manufacturer: National Guard

2. Acceptable Manufacturers: lves, Rockwood

involved at no additional cost to Owner.

1.8SLIDING, BI-FOLDING DOOR HARDWARE

1. Cox, Arthur & Sons, Inc.

3. Johnson, L. E. Products, Inc.

4. Stanley Commercial Hardware.

connections before electrified door hardware installation.

2. Hager Companies.

to coordinate with frame color.

specified herein.

2. Identification: Stamp all keys with keyset symbol

a. Provide (2) operating keys per keyed core.

2. Acceptable Manufacturers: Dorma, Sargent.

A. Manufacturers and Products:

2-3/4" backset standard

A. Manufacturers and Products:

prevent lever sag.

roses on both sides.

2. Requirements:

A. Manufacturer and Product:

not include actual key cuts.

by Owner.

1.4KEYING

D. Keys

1.5DOOR STOPS

A. Manufacturers:

A. Manufacturers:

B. Requirements:

1.7DOOR VIEWERS

A. Manufacturers:

with pocket sets.

1.9FINISH

PART 2 - EXECUTION

2.1EXAMINATION

2.2PREPARATION

1.6THRESHOLDS, GASKETING

H. Replaceable Construction Cores.

. Permanent Keyed Cores:

following key system.

restricted keyway

3. Quantity of keys:

lockset warrantv.

e. 1" throw deadbolt.

Lever Design: "T", Tempo.

b. Rose Design: Standard.

1. Manufacturers and Products:

5. Latch Faceplate 1 1/8" x 2 1/4".

6. ANSI Strike 1 1/4" x 4 7/8" standard.

9. Lever Design: "M" Summit Lever.

1.1TUBULAR LOCKS - GRADE 2, STANDARD DUTY

B. Requirements

B. Requirements

1.2DEADBOLT LOCKS

1.3CYLINDERS

A. Cylindrical Deadbolt

Grade 2.

- . Keying Conference: Conduct conference at Project site to comply with requirements in Division 01. 1. Attendees: Owner, Contractor, Architect, Installer, and Supplier's Architectural
- Hardware Consultant. 2. Incorporate keying conference decisions into final keying schedule after
- reviewing door hardware keying system including:
- a. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
- b. Preliminary key system schematic diagram. c. Requirements for key control system.
- d. Requirements for access control.
- e. Address for delivery of keys.
- A. Pre-installation Conference: Conduct conference at Project site. 1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delavs
 - 2. Inspect and discuss preparatory work performed by other trades.
 - 3. Inspect and discuss electrical roughing-in for electrified door hardware.
- 4. Review sequence of operation for each type of electrified door hardware.
- 5. Review required testing, inspecting, and certifying procedures. B. Coordination Conferences:
- 1. Installation Coordination Conference: Prior to hardware installation, schedule and hold meeting to review questions or concerns related to proper installation and adjustment of door hardware.
- 2. Electrified Hardware Coordination Conference: Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.
- 1.2DELIVERY, STORAGE, AND HANDLING A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered
- to Project site. B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary
- fasteners with each item or package. 1. Deliver each article of hardware in manufacturer's original packaging. C. Project Conditions:
- 1. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods. 2. Provide secure lock-up for door hardware delivered to Project, but not yet installed. Control handling and installation of hardware items so that completion of
- Work will not be delayed by hardware losses both before and after installation. D. Protection and Damage:
- 1. Promptly replace products damaged during shipping. 2. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work.
- 3. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- E. Deliver keys to manufacturer of key control system for subsequent delivery to Owner. F. Deliver keys and permanent cores to Owner by registered mail, overnight package service or hand delivery with signed receipt. 1.3COORDINATION
- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete. Concrete, reinforcement, and formwork requirements are specified in Division 03.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems. E. Existing Openings: Where hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide proper door operation.
- F. Direct shipments not permitted, unless approved by Contractor. 1.4WARRANTY
- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
- 1. Warranty Period: Years from date of Substantial Completion, for durations
- indicated a. Locksets:
- 1) Mechanical: 3 years. 2. Warranty does not cover damage or faulty operation due to improper
- installation, improper use or abuse 1.5MAINTENANCE
- A. Maintenance Tools:
- 1. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders. PART 2 - PRODUCTS
- 2.1MANUFACTURERS
- A. The Owner requires use of certain products for their unique characteristics and particular project suitability to ensure continuity of existing and future performance and maintenance standards. After investigating available product offerings Awarding Authority has elected to prepare proprietary specifications. B. Approval of manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product
- category shall be in accordance with QUALITY ASSURANCE article, herein. C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- D. Hand of Door: Drawings show direction of slide, swing, or hand of each door leaf. Furnish each item of hardware for proper installation and operation of door movement as
- E. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.
- 2.2MATERIALS A. Fasteners
 - 1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation. 2. Furnish screws for installation with each hardware item. Finish exposed
 - (exposed under any condition) screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
 - 3. Provide concealed fasteners for hardware units exposed when door is closed except when no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite
- face is exposed in other work unless thru-bolts are required to fasten hardware securely. Review door specification and advise Architect if thru-bolts are required. 4. Install hardware with fasteners provided by hardware manufacturer. 1.1HINGES
- A. Provide Five-knuckle, Ball Bearing hinges.
- 1. Manufacturers and Products: a. Scheduled Manufacturer and Product: Stanley FBB/CB series
 - b. Acceptable Manufacturer: lves 5BB series, McKinney TA series, Hager BB series.
- B. Requirements, unless otherwise specified:
 - 1. 1-3/4" thick doors, up to and including 36 inches wide: a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inch high. b. Interior: Standard weight, steel, 4-1/2 inch high.
 - 2. 1-3/4" thick doors over 36 inches wide:
 - a. Exterior: Heavy weight, bronze/stainless steel, 5 inch high. b. Interior: Heavy weight, steel, 5 inch high.
 - 3. 2" or thicker doors:

a. Steel Hinges: Steel pins.

degree of opening.

b. Non-Ferrous Hinges: Stainless steel pins.

e. Interior Non-lockable Doors: Non-rising pins.

c. Out-Swinging Exterior Doors: Non-removable pins.

d. Out-Swinging Interior Lockable Doors: Non-removable pins.

furnish hinges 5" high, heavy weight or standard weight as specified.

9. Provide exterior hinges with additional corrosion resistant coating.

- a. Exterior: Heavy weight, bronze or stainless steel, 5 inch high.
- b. Interior: Heavy weight, steel, 5 inch high.
- 4. Provide three hinges per door leaf for doors 90 inches or less in height, and one additional hinge for each 30 inches of additional door height. 5. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing

6. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:

7. Width of hinges: 4-1/2" at 1-3/4" thick doors, and 5" at 2" or thicker doors.

Adjust hinge width as required for door, frame, and wall conditions to allow proper

8. Doors 36" wide or less furnish hinges 4-1/2" high; doors greater than 36" wide

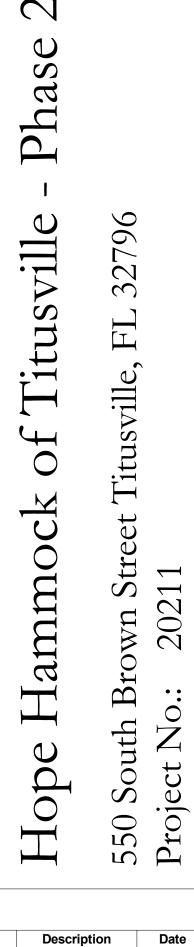
2. Field modify and prepare existing door and frame for new hardware being 3. When modifications are exposed to view, use concealed fasteners, when 1. Scheduled Manufacturers and Products: Stanley Commercial QCL200 Series. 2. Acceptable Manufacturers: Dorma CL700 Series, Sargent 10 Line series. possible 4. Prepare hardware locations and reinstall in accordance with installation 1. Certified by BHMA for ANSI A156.2 Series Grade 2, UL10C listed. requirements for new door hardware and with: a. Steel Doors and Frames: For surface applied door hardware, drill and tap 2. ANSI A117.1 Accessibility Code (ADA Compliant). doors and frames according to ANSI/SDI A250.6. b. Wood Doors: DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors." c. Doors in rated assemblies: NFPA 80 for restrictions on on-site door hardware preparation. 8. Function and design as indicated in the hardware groups. 1.1INSTALLATION A. Mounting Heights: Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations. 1. Standard Steel Doors and Frames: ANSI/SDI A250.8. 1. Scheduled Manufacturer and Product: Stanley QGT Series. 2. Custom Steel Doors and Frames: HMMA 831. 3. Wood Doors: DHI WDHS.3. "Recommended Locations for Architectural Hardware for Wood Flush Doors." Provide tubular lever sets conforming to ANSI/BHMA A156.2 Series 4000, B. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer. C. Do not install surface mounted items until finishes have been completed on substrate. 3. Provide locks with standard 2-3/4" backset, unless noted otherwise, with 1/2" Protect all installed hardware during painting. latch throw. Provide 2-3/8" backset where noted of if door or frame detail requires. D. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation. 4. Provide lever sets with separate anti-rotation through bolts, and no exposed E. Drill and countersink units that are not factory prepared for anchorage fasteners. screws. Provide levers that operate independently with only 36-Degree rotation Space fasteners and anchors according to industry standards. F. Install operating parts so they move freely and smoothly without binding, sticking, or maximum and have external return spring cassettes mounted under roses to excessive clearance. 5. Lever Trim: Satin Chrome (626) levers without plastic inserts, and wrought G. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated or one hinge for every 30 inches of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided. H. Lock Cylinders: Install construction cores to secure building and areas during construction period. 1. Replace construction cores with permanent cores as indicated in keying a. Scheduled Manufacturers and Products: Stanley Commercial QDB200 section. I. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, b. Acceptable Manufacturers: Dorma D800, Sargent 480 Series. and stair side of stairway doors from corridors. Closers shall not be visible in corridors, lobbies and other public spaces unless approved by Architect. a. Tested and approved by ANSI A156.5, Operational Grade 2. J. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants." c. Locksets and cores to be of the same manufacturer to maintain complete K. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard. ... Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame. M. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is 1.2ADJUSTING 1. Scheduled Manufacturer and Product: Best Standard. A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be B. Requirements: Provide cylinders/cores complying with the following requirements. adjusted to operate as intended. Adjust door control devices to compensate for final 1. Cylinders/cores compliant with ANSI/BHMA A156.5; latest revision, Section 12, operation of heating and ventilating equipment and to comply with referenced Grade 1; permanent cylinders; cylinder face finished to match lockset, accessibility requirements. 1. Spring Hinges: Adjust to achieve positive latching when door is allowed to C. Full-sized cylinders with small format interchangeable cores (SFIC), in the below-listed close freely from an open position of 30 degrees. 2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly configuration(s), distributed throughout the Project as indicated. 1. Keying: Manufacturer-keyed permanent cylinders/cores, configured into keying engage lock bolt. 3. Door Closers: Adjust sweep period to comply with accessibility requirements 2. Features: Cylinders/cores shall incorporate the following features. and requirements of authorities having jurisdiction. D. Mark permanent cylinders/cores and keys with applicable blind code per DHI B. Occupancy Adjustment: Approximately three months after date of Substantial publication "Keying Systems and Nomenclature" for identification. Blind code marks shall Completion, Installer's Architectural Hardware Consultant shall examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure Identification stamping provisions must be approved by the Architect and Owner. function of doors, door hardware, and electrified door hardware. **1.3CLEANING AND PROTECTION** F. Failure to comply with stamping requirements shall be cause for replacement of A. Clean adjacent surfaces soiled by door hardware installation. 1. Forward cylinders/cores to Owner, separately from keys, by means as directed B. Clean operating items as necessary to restore proper function and finish. C. Provide final protection and maintain conditions that ensure door hardware is without G. Project Cylinder/Core Distribution: Provide cylinders/cores complying with the damage or deterioration at time of Substantial Completion. 1.4DEMONSTRATION A. Provide training for Owner's maintenance personnel to adjust, operate, and maintain 1. Provide temporary construction cores replaceable by permanent cores. Provide door hardware and door hardware finishes. Refer to Division 01 Section "Demonstration 12 operating keys for contractor use during construction. and Training. 1.5DOOR HARDWARE SCHEDULE A. Locksets, exit devices, and other hardware items are referenced in the following 1. Contractor to replace construction cores with permanent cores as directed by Owner. Installation will be in presence of owner representative, indicating keys hardware sets for series, type and function. Refer to the above specifications for special operate locking hardware and to turn over all permanent keys. features, options, cylinders/keying, and other requirements. A. Keying System: Factory registered, complying with guidelines in Manufacturer Lis ANSI/BHMA A156.28, incorporating decisions made at keying conference. <u>Code Name</u> BYBy Others 1. Permanent cylinders/cores keyed by the manufacturer according to the IV Ives NANational Guard C. Key Features: Provide keys with the following features. SHStanley Commercial Hardware ST Stanley 1. Patent Protection: Keys and blanks protected by a special broching in SYStanley MultiFamily TRTrimco 1. Material: Nickel silver; minimum thickness of .107-inch (2.3mm) **Finish List** Code Description AL Aluminum 26D Satin Chrome 603 Zinc Plated Coordinate with cylinder/core and key identification requirements above. 626 Satin Chromium Plated F. Stamp keys with Owner's unique key system facility code as established by the 626E Satin Chrome manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE". 630W Stainless Steel, Weatherized G. Failure to comply with stamping requirements shall be cause for replacement of keys US26D Chromium Plated, Dull Option List Code Description H Hurricane Compliant 2. Acceptable Manufacturers: Burns, Don-Jo, Rockwood, Trimco L4 2 3/4" Radius/Square Latch Face & Strike DBS Standard Deadbolt Strike 478S 47/8" ANSI Strike Hardware Sets 2. Acceptable Manufacturers: Pemko, Reese, Zero International 1. Provide thresholds, weatherstripping (including door sweeps, seals) and gasketing systems as specified and per architectural details. Match finish of other A. Door Viewer: 150 degree angle, one-way, solid brass body with glass lens. 1. Scheduled Manufacturer: lves U696 B, UL Listed or comparable product. B. General: BHMA A156.14; consisting of complete sets including rails, 4-wheel hangers, supports, bumpers, floor guides, and accessories indicated. Provide frames 1. Pocket Sliding Door Hardware: Rated for doors weighing 75 lb. C. Bi-Fold Door Hardware: Rated for doors weighing 50 lb. A. Designations used in Schedule of Finish Hardware - 3.7, and elsewhere to indicate hardware finishes are those listed in ANSI/BHMA A156.18 including coordination with traditional U.S. finishes shown by certain manufacturers for their products B. Powder coat door closers to match other hardware, unless otherwise noted. C. Aluminum items shall be finished to match predominant adjacent material. Gasketing A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. B. Existing Door and Frame Compatibility: Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions. C. Examine roughing-in for electrical power systems to verify actual locations of wiring

D. Proceed with installation only after unsatisfactory conditions have been corrected. A. Where on-site modification of doors and frames is required: 1. Carefully remove existing door hardware and components being reused. Clean, protect, tag, and store in accordance with storage and handling requirements

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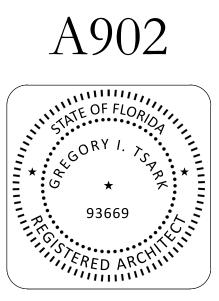
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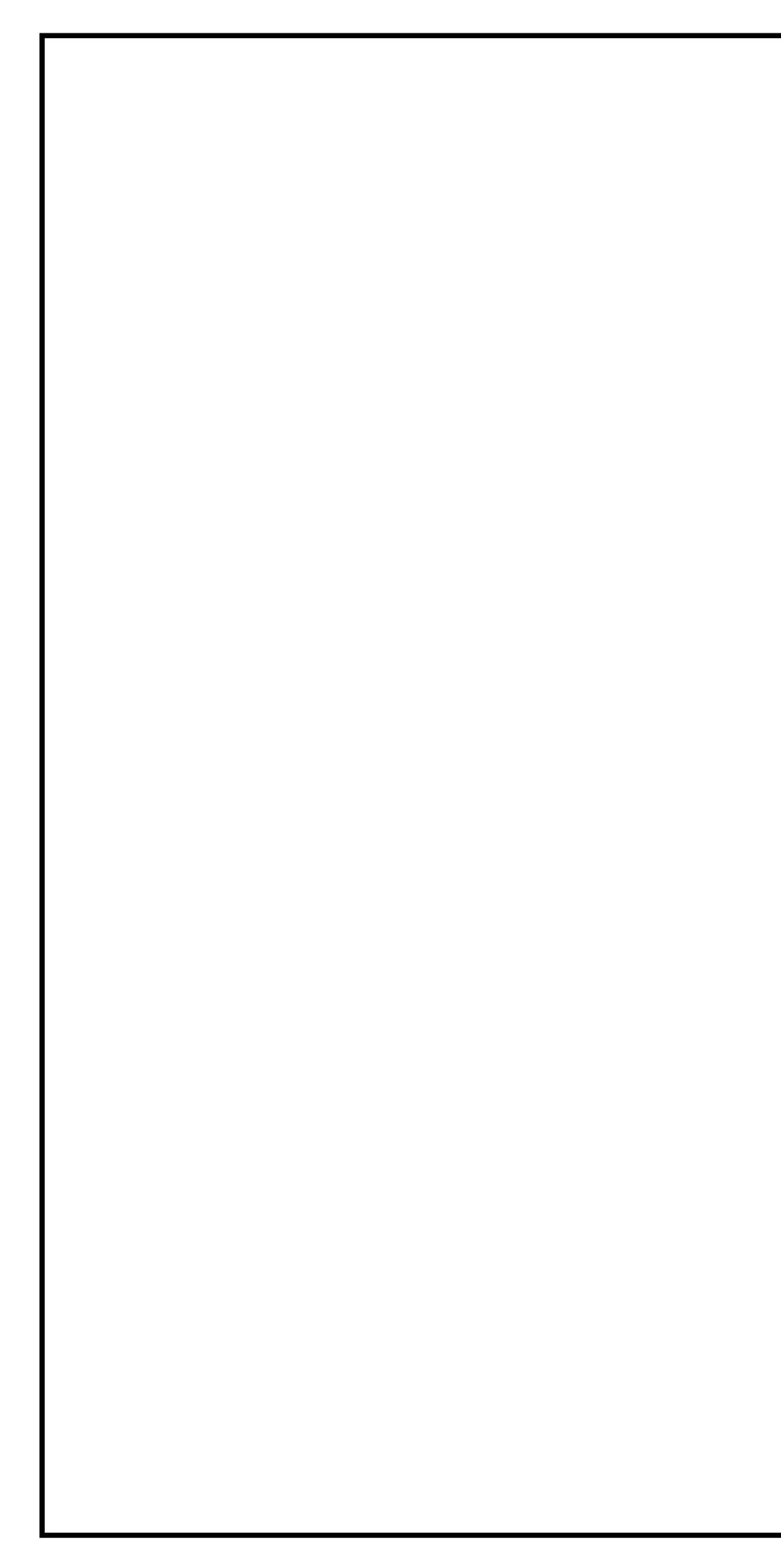


Description	Date
	Description

OPENING ELEVATIONS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	





SET #U-1 - Unit Entry - Front
Doors: 201, 214, 227, 240, 251, 261
 3 Hinges FBB179 4 1/2 X 4 1/2 US26D ST 1 Deadlock QDB281 BF- 6 Pin Comb DBS H 626 SH 1 Passage Set QCL230 M 478S H626 SH 1 Door Stop 63 F 626E IV 1 Viewer U 696 B 26D IV 1 Gasketing 5075 C NA 1 Door Bottom 36 EVDKB 36" NA 1 Saddle Threshold 425 SSMS/LA AL NA
SET #U-2 - Unit Entry - Rear
Doors: 213, 226, 239, 273
 3 Hinges CB191 4 1/2 X 4 1/2 NRP 630W ST 1 Deadlock QDB281 BF- 6 Pin Comb DBS H 626 SH 1 Passage Set QCL230 M 478S H626 SH 1 Crash Chain 4048 603 TR 1 Gasketing 5075 C NA 1 Door Bottom 36 EVDKB NA 1 Saddle Threshold 425 SSMS/LA AL NA
SET #U-3 - Unit Bedroom
Doors: 202, 209, 211, 215, 222, 224, 228, 235, 237, 241, 244, 248, 252, 258, 262, 269, 271
3 Hinges By Pre-hung Door Manufacturer626 BY 1 Privacy Set QGT240 T L4 626 SY 1 Door Stop 63 F 626E IV
SET #U-4 - Unit Bathroom
Doors: 206, 219, 232, 247, 255, 266
3 Hinges By Pre-hung Door Manufacturer626 BY 1 Privacy Set QGT240 T L4 626 SY 1 Door Stop 63 F 626E IV
SET #U-5 - Unit Laundry - Swing
Doors: 250, 260
3 Hinges By Pre-hung Door Manufacturer626 BY 1 Passage Set QGT230 T L4 626 SY 1 Door Stop 63 F 626E IV
SET #U-6 - Unit Laundry - Pocket
Doors: 205, 218, 231, 265
1 Pocket Door Pull 1065 626 TR 1 Pocket Door Set PD75-00-Size ST
SET #U-7 - Unit Closet Bi-Fold - Sgl
Doors: 203, 204, 207, 208, 216, 217, 220, 221, 229, 230, 233, 234, 243, 246, 254, 256, 257, 263, 264 267, 268
1 Pull 562-4 626 TR 1 Bifold Hardware Set BFC50-00-Size ST
SET #U-8 - Init Closet Bi-Fold - Dbl
Doors: 210, 212, 223, 225, 236, 238, 242, 245, 249, 253, 259, 270, 272

1 Pull 562-4 626 TR 1 Bifold Hardware Set BFC50-00-Size ST

END OF SECTION

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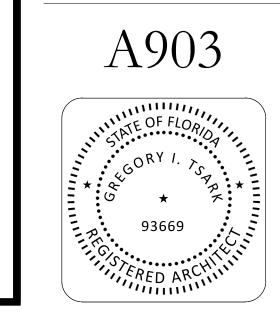
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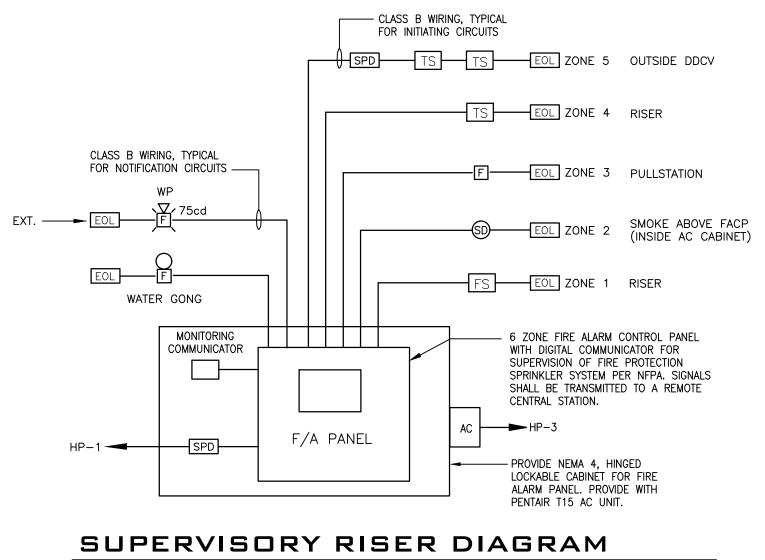
Description Date Image: Description Image: Description

OPENING DETAILS

DATE:	12/20/2023
DRAWN BY:	CW
REVISION:	
SCALE	



PA		RATING: SERVICE				ø, 3W	I						BOTTOM RFACE				SERIE NEMA		ATED		
СКТ	DESCRIPTION	KVA	СКТ	BRKR	BRA	NCH	CI	RCUIT	ø	скт		г	DESCRIPTIO	N	KVA	СКТ	BRKR	BRA	NCH	CIF	RCUIT
	BESONI HON		POLE	TRIP	Ø	N	GND	С"	Ľ			DESCRIPTION				POLE	TRIP	Ø	N	GND	C
1	FACP (LOCK ON)	0.2	1	20	12	12	12	3/4	a	2	SPA	RE				1	20				
3	FACP CABINET AC	0.35	1	20	12	12	12	3/4	b	4	SPA	RE				1	20				
5	RECEPT BELOW PANEL	0.18	1	20	12	12	12	3/4	a	6	SPA	RE				1	20				
7	SPACE								b	8	SPA	CE									
9									a	10											
11									b	12											
13									a	14											
15									b	16											
17									a	18											
		CON	INECT	ED LO	DAD	(KVA)) ØA			øВ											
	EQUIPMENT SERVE	D		CON	INECT	ED L	.OAD	LF	DF			DEMA	ND LOAD								
LIC	GHTING				0	.0				1.25			0.0		 PROVIDE TYPE WRITTEN DIRECTORY PROVIDE NEUTRAL AND GROUND BARS 						
MIS	SC. EQUIPMENT				0	.2				1.0			0.2			.2011					
RE	CEPTS (10KVA PLUS 50%			0.	18						C).18									
ΗV	AC EQUIPMENT			0.	35				1.0		C).35									
						TC	TAL	KVA	:	C).73										
										AMPS	S: 3.1										

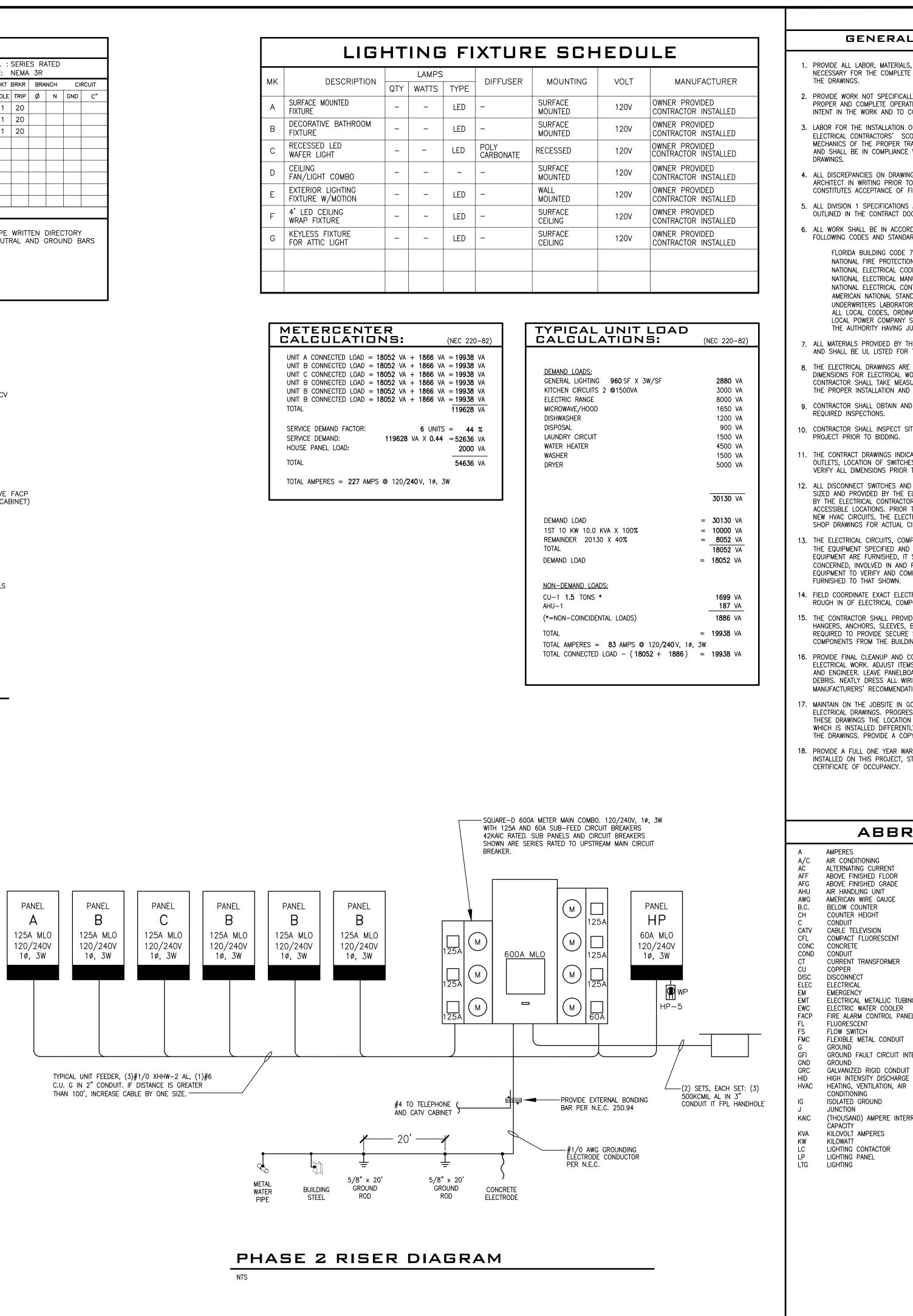


FIRE ALARM REQUIREMENTS

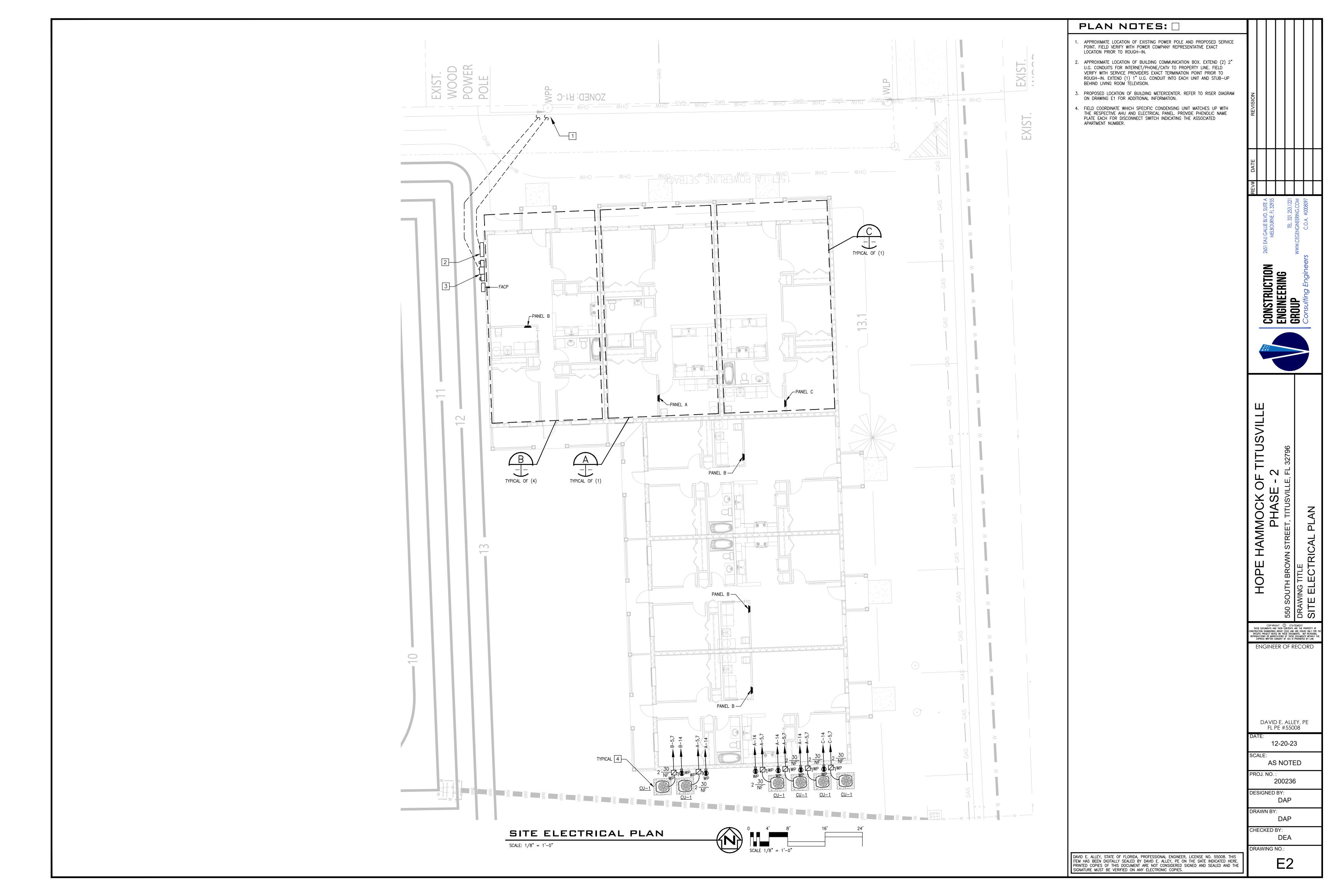
- PROVIDE A COMPLETE AND OPERATIONAL FIRE ALARM SUPERVISORY SYSTEM WHICH SHALL BE PROVIDED, INSTALLED AND TESTED TO MEET OR EXCEED THE REQUIREMENTS LISTED UNDER THE NEC, NFPA, LIFE SAFETY CODE, ALL LOCAL CODES AS NEEDED TO SUPERVISE THE SPRINKLER SYSTEM.
- 2. SUBMIT SHOP DRAWINGS FOR APPROVAL TO THE ARCHITECT/ENGINEER AND THE AHJ. SHOP DRAWINGS TO INDICATE IN DETAIL ALL WIRING REQUIREMENTS INCLUDING CONDUCTOR TYPES, SIZES AND NUMBER, DEVICE LOCATIONS, DETAILED BATTERY CALCULATIONS, SIGNAL CIRCUIT LOAD, LINE LOSS\VOLTAGE DROP CALCULATIONS, SYMBOL LIST INDICATING PART NUMBERS, CANDELA RATINGS, ADDRESSABLE DEVICE NUMBERING, ETC. INCLUDE RISER DIAGRAM THAT IS FULLY COORDINATED WITH THE PLANS. REFER TO FL STATUTES 61G15-32 FOR ADDITIONAL REQUIREMENTS.
- 3. ALL FIRE ALARM WORK SHALL BE PERFORMED BY A STATE LICENSED CERTIFIED FIRE ALARM CONTRACTOR.
- 4. FACP SHALL PERFORM ALL REQUIRED INITIATION AND NOTIFICATION. AND MONITOR FLOW AND TAMPER SWITCHES AS REQUIRED. PROVIDE PANEL WITH WIRELESS RADIO, MESH NETWORK OR CELLULAR TRANSMITTER FOR MONITORING PER NFPA 72.
- 5. PROVIDE SURGE PROTECTION FOR POWER CIRCUIT AND ALL CIRCUITS ENTERING BUILDING.
- 6. ALL NOTIFICATION APPLIANCES SHALL BE HAVE FIELD SELECTABLE CANDELA RATINGS AND HIGH AND LOW HORN OUTPUTS.
- 7. MINIMUM CONDUIT SIZE FOR FIRE ALARM SYSTEM SHALL BE 3/4".
- 8. REFER TO FIRE PROTECTION SHOP DRAWINGS FOR ACTUAL LOCATIONS OF ALL FLOW AND TAMPER SWITCHES, INCLUDING THOSE LOCATED OUTSIDE THE BUILDING. FIELD VERIFY LOCATIONS PRIOR TO ROUGHIN OF DEVICES.
- 9. ALL DEVICES INSTALLED IN WET OR DAMP LOCATIONS SHALL BE WEATHERPROOF. ALL WIRING IN THESE LOCATIONS SHALL BE LISTED FOR SUCH USE.
- 10. ALL INITIATING DEVICE CIRCUITS SHALL BE CLASS B. ALL NOTIFICATION CIRCUITS SHALL BE CLASS B. ALL SIGNALING LINE CIRCUITS SHALL BE CLASS B. SURVIVABILITY LEVEL 0.
- 11. FIRE ALARM CONTRACTOR SHALL SUBMIT OPERATIONS AND MAINTENANCE PROCEDURES, MANUALS, SYSTEM DOCUMENTS, INSTRUCTIONS TO OWNER'S PERSONNEL WITH PROJECT CLOSEOUT DOCUMENTS.

FIRE ALARM SYMBOLS

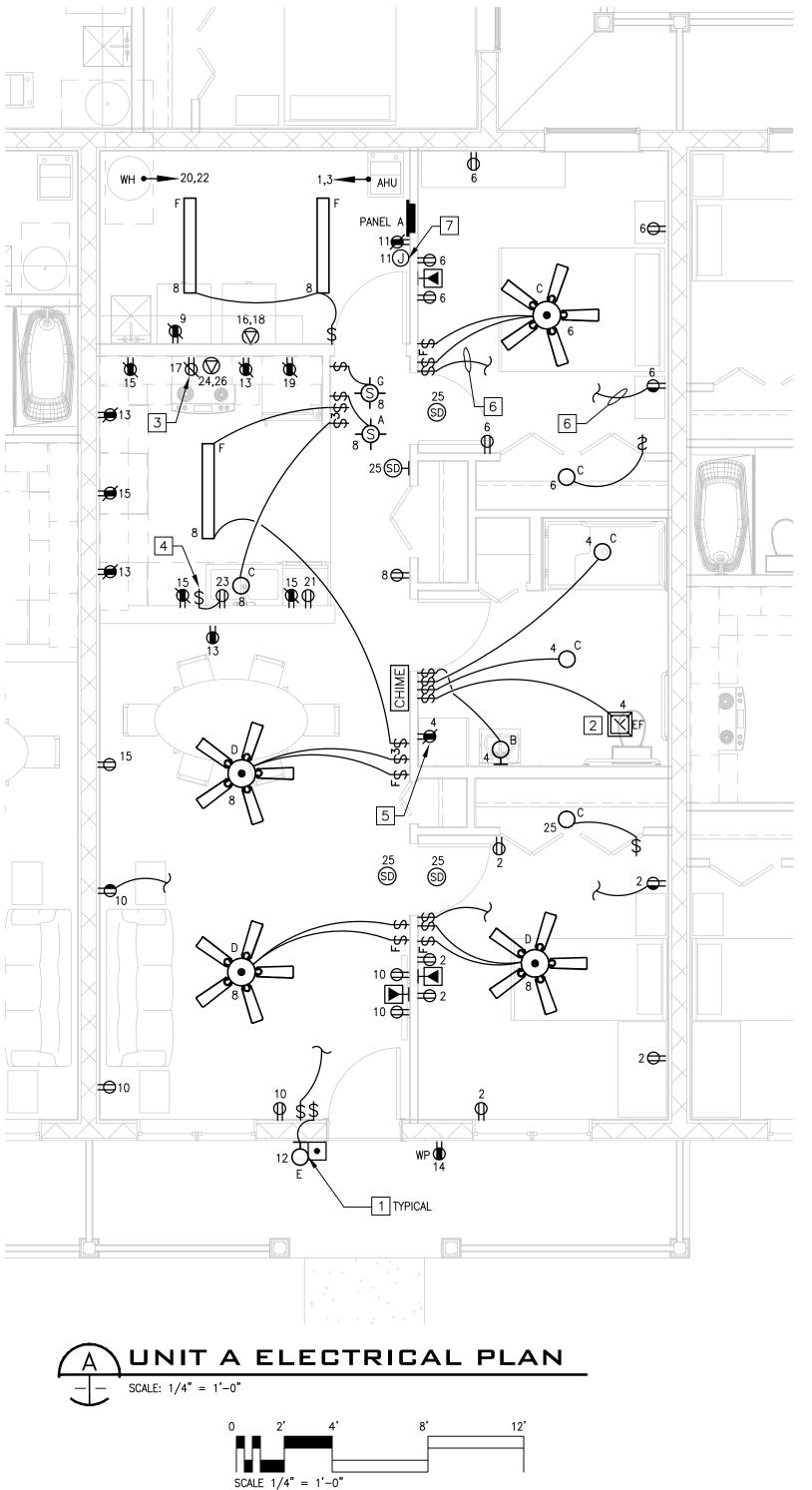
SD PHOTOELECTRIC SMOKE DETECTOR. ÌFÍ STROBE DEVICE. MOUNT AT 80" AFF, UON. ÌFÍ∕. HORN/STROBE DEVICE. MOUNT AT 80" AFF, UON. F MANUAL PULL STATION. MOUNT TOP OF DEVICE LESS THAN 46" AFF. FACP FIRE ALARM CONTROL PANEL TS TAMPER SWITCH FS FLOW SWITCH SURGE PROTECTION DEVICE SPD WATER GONG

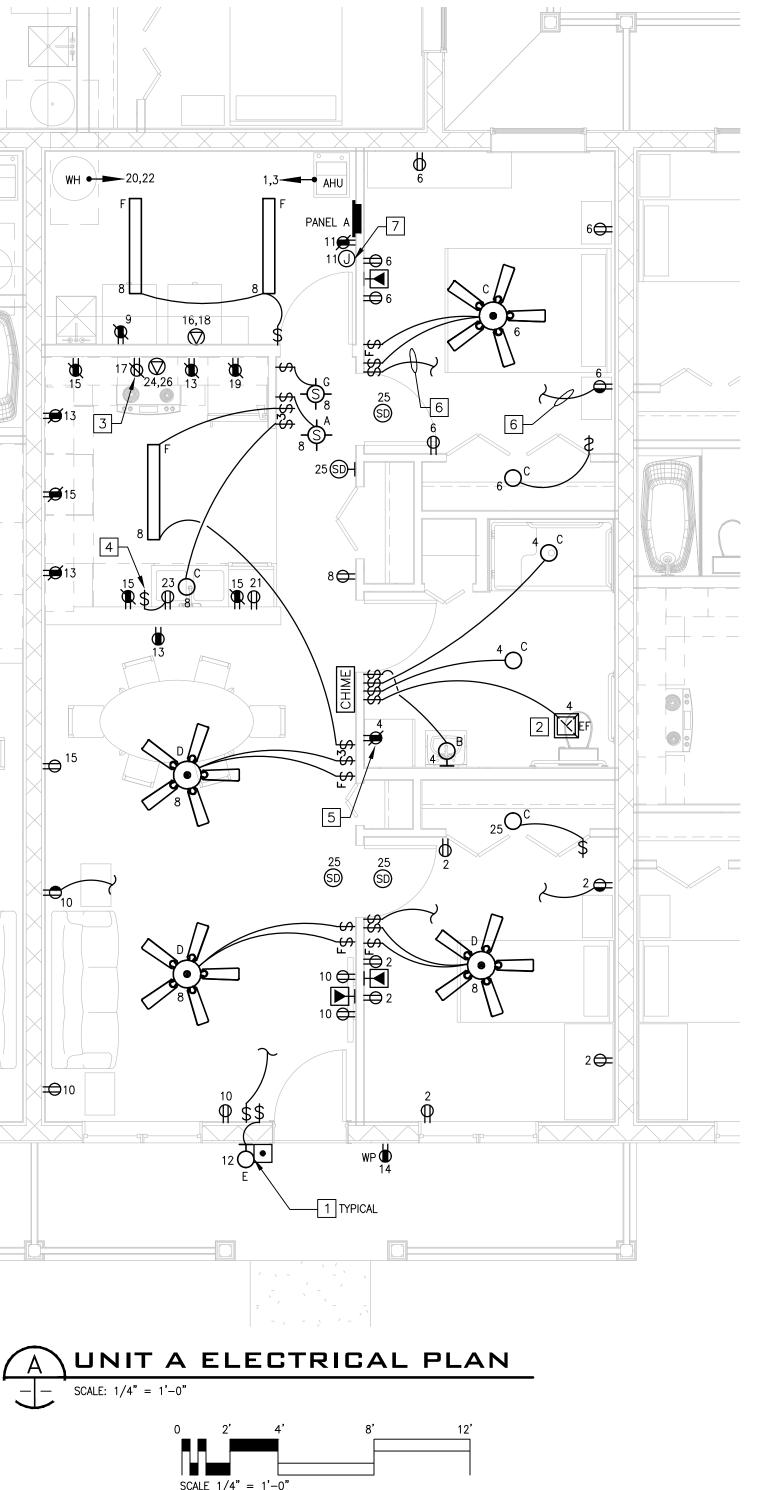


AL REQUIREMENTS ALS, EQUIPMENT, AND TOOLS TO PERFORM ALL WORK ETE EXECUTION OF THE ELECTRICAL WORK AS SHOWN ON CALLY SHOWN OR SPECIFIED, YET REQUIRED TO INSURE RATIONS OF ALL SYSTEMS AND TO SATISFY THE DESIGN COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. N OF MATERIALS AND EQUIPMENT FURNISHED UNDER THE SCOPE OF WORK SHALL BE PERFORMED BY EXPERIENCED TRADE AND ALL WORKMANSHIP SHALL BE FIRST CLASS CE WITH THE SPECIFIC REQUIREMENTS OF THE CONTRACT WINGS SHALL BE BROUGHT TO THE ATTENTION OF THE TO SUBMISSION OF BIDS. SUBMISSION OF A BID F FIELD CONDITIONS. NS AND ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS DOCUMENTS SHALL APPLY TO ELECTRICAL SYSTEMS. CORDANCE WITH THE LATEST ADOPTED EDITION OF THE IDARDS: E 7TH ADDITION TION ASSOCIATION, (NFPA) CODE, 2017 (NEC) MANUFACTURERS ASSOCIATION, (NECA) TANDARDS INSTITUTE, (ANSI) TORIES, (UL) DINANCES, REQULATIONS Y STANDARDS 3 JURISDICTION. THE CONTRACTOR SHALL BE NEW AND FREE OF DEFECTS OR THE INTENDED APPLICATION. WE NOT TO BE SCALED. WHERE SPECIFIC DETAILS AND WORK ARE NOT SHOWN ON THE DRAWINGS, THE ASUREMENTS AND MAKE LAYOUTS AS REQUIRED FOR FOR NO TO BE SCALED. WHERE SPECIFIC DETAILS AND WORK ARE NOT SHOWN ON THE DRAWINGS THE ASUREMENTS AND MAKE LAYOUTS AS REQUIRED FOR FOR NO COMPLETION OF THE WORK. AND FURNISH ALL PERMITS, AND ARRANGE FOR ALL	 GENERAL NOTES UNIT SMOKE DETECTORS SHALL BE 120V AC WITH BATTERY BACK UP AND SHALL BE LOCATED 3 FEET MIN. AWAY FROM SUPPLY DIFFUSERS, TYPICAL FOR ALL UNITS. INTERLOCK WITH EACH OTHER AS REQUIRED FOR COMMON NOTIFICATION. (MULTIFAMILY RATED). OUTLET LOCATIONS SHOWN ARE GENERAL IN NATURE. CONTRACTOR SHALL ADJUST QUANTITY AND LOCATIONS AS REQUIRED FOR FIELD CONDITIONS IN ORDER TO MEET NEC SPACING REQUIREMENTS. ALL SWITCHES AND RECEPTACLES SHALL BE RESIDENTIAL STYLE, WHITE IN COLOR WITH MATCHING FACEPLATES. UNLESS OTHERWISE NOTED. WHERE BATHROOM RECEPTACLES ARE INSTALLED "WITHIN" MIRROR, PROVIDE MATCHING MIRRORED FACEPLATE. PROVIDE STAINLESS STEEL FACEPLATES AND GRAY RECPTACLES FOR RECEPTACLES INSTALLED ABOVE COOKTOP BACKSLASH. SUBMIT SAMPLE TO ARCHIECT FOR APPROVAL PRIOR TO CONSTRUCTION OF UNIT. RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT. CAREFULLY REVIEW ALL BUILDING ELEVATIONS AND WINDOW TYPES WITH FLOOR PLANS TO DETERMINE IF ANY PERIMETER RECEPTACLES ARE REQUIRED TO BE RECESSED FLOOR MOUNTED INSTEAD OF WALL MOUNTED. PROVIDE HACR RATED CIRCUIT BREAKERS FOR HVAC EQUIPMENT, COORDINATE WITH MANUFACTURERS EQUIPMENT NAMEPLATE PRIOR TO ORDERING. COORDINATE WIRE SIZES AND CIRCUIT BREAKERS FOR ALL APPLIANCES AND A/C EQUIPMENT TO BE PROVIDED PRIOR TO ORDERING. COORDINATE WIRE SIZES AND CIRCUIT BREAKERS FOR ALL APPLIANCES AND A/C EQUIPMENT TO BE PROVIDED PRIOR TO ORDERING. DRYER AND RANGE RECEPTACLES SHALL BE 240V, 3-WIRE PLUS GROUND. DRAWINGS AND SPECIFICATIONS ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. REVIEW THE GENERAL NOTES. SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATION AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT	CTION CTION2651 EAU GALIE BLVD, SUITE MELBOURNE, FL 32735REV#DATEREVISIONICTION MELBOURNE, FL 327352651 EAU GALIE BLVD, SUITE MELBOURNE, FL 327355EO CONEO CONRING MOW.CEGENGINEERING.COMTEL. 321.253.121EO CONEO CONIndicator CO.A. #000807C.O.A. #000807EO CONEO CON
SITE FOR FIELD VERIFICATION OF ALL ASPECTS OF THE DICATE THE GENERAL ARRANGEMENT OF CIRCUITS AND CHES, PANELBOARDS, CONDUITS, AND OTHER WORK. FIELD OR TO INSTALLATION OF WORK. AND STARTERS FOR THE MECHANICAL EQUIPMENT SHALL BE E ELECTRICAL CONTRACTOR AND INSTALLED AND CIRCUITED TOR, UNLESS OTHERWISE NOTED. INSTALL SWITCHES IN OR TO INSTALLATION OF ANY ELECTRICAL WORK RELATED TO ECTRICAL CONTRACTOR SHALL REVIEW THE MECHANICAL . (IRCUIT REQUIREMENTS. OMPONENTS, AND CONTROLS ARE SELECTED AND SIZED FOR ND OR SHOWN. IF SUBSTITUTIONS AND/OR EQUIVALENT IT SHALL BE THE RESPONSIBILITIES OF ALL PARTIES ID FURNISHING THE SUBSTITUTE AND/OR EQUIVALENT COMPARE THE ELECTRICAL CHARACTERISTICS OF THAT ECTRICAL CONNECTION POINTS TO EQUIPMENT PRIOR TO DWPONENTS. SUDE ALL CHANNEL AND ANGLE SUPPORTING SYSTEMS, S, BRACKETS, FABRICATED ITEMS, AND HARDWARE AS RE SUPPORT, PER N.E.C., FOR ALL ELECTRICAL LDING STRUCTURE. O CONDUCT FIELD TESTS AFTER INSTALLATION OF ALL TEMS TO THE SATISFACTION OF THE OWNER, ARCHITECT, BOARD INTERIOR CLEAN AND FREE FROM CONSTRUCTION WIRING, AND RE-TIGHTEN ALL TERMINATIONS PER DATIONS. I GOOD CONDITION ONE SET OF UP TO DATE AS-BUILT RESSIVELY, NEATLY, LEGIBLY AND EXACTLY RECORD ON ION OF ALL CONCEALED CONDUIT RUNS AND ALL WORK INTLY THAN IN THE LOCATION AND MANNER INDICATED ON COPY OF THESE PLANS FOR THE OWNER. WARRANTY ON ALL ELECTRICAL LABOR, AND MATERIALS , STARTING FROM THE ISSUANCE OF THE OWNERS	 SUBMITALS, NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. 12. ALL 125V, SINGLE-PHASE, 20-AMPERE RECEPTACLES SERVING KITCHEN COUNTERS, DISHWASHER, BAITHROOM AND OUTDOOR RECEPTACLES SHALL BE GFCI PROTECTED PER NEC ARTICLE 210.8. 13. ALL GFCI PROTECTED CIRCUITS SHALL HAVE INDIVIDUAL AND DEDICATED NEUTRALS. 14. ROOM NAMES SHOWN IN PANELBOARD SCHEDULES ARE PER ARCHITECTURAL FLOOR PLANS, CONTRACTOR SHALL PROVIDE FINALIZED PANELBOARD SCHEDULES AT COMPLETION OF PROJECT INDICATING ROOM NAMES PER BRANCH CIRCUIT INSTALLED. 15. ALL 125V 15A AND 20A RECEPTACLES INSTALLED DWELLING UNITS SHALL BE LISTED TAMPER RESISTANT PER NEC 406.12. 16. THE ELECTRICAL CONTRACTOR SHALL FOLLOW THE NEC RECEPTACLE SPACING REQUIREMENTS OF THE NEC AND ADJUST AS REQUIRED BASED ON ACTUAL FIELD CONDITIONS. 17. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONED LOCATIONS OF ALL LIGHTING FIXTURES. 18. ALL MOUNTING HEIGHTS OF DEVICES AND SWITCHES SHALL COMPLY WITH TEH FAIR HOUSING ACT. 	MMOCK OF TITUSVILLE PHASE - 2 Reet, TITUSVILLE, FL 32796 S, RISER AND SCHEDULES
REVIATIONS: MH METAL HALIDE MCM THOUSANDS OF CIRCULAR MILS N NEUTRAL NA NOT APPLICABLE N.C. NORMALLY CLOSED NEC NATIONAL ELECTRICAL CODE NF NON-FUSED NL NIGHT LIGHT NO NUMBER NEMA NATIONAL FIRE PROTECTION ASSOCIATION N.O. NORMALLY OPEN O.C. ON CENTER OH OVERHEAD P POLE PC PHOTOCELL PNL PANELBOARD PP POWER PANEL BING PVC POLYNIN'L CHLORIDE S RM ROOM ANEL RCPT RECEPTACLE SN SOLID NEUTRAL SPEC SPECIFICATION T SS STAINLESS STEEL SQ SQUARE INTERRUPTER SWITCH UT TTB TELEPHONE TERMINAL BOARD GE TYP TYPICAL IR TF TRANSFORMER UC UNDER COUNTER UG UNDERS ONTED IUR TF TRANSFORMER UG UNDERS ONTED UNDERS ONTED IUR WE WP WEATHERPROOF Y WYE (CONNECTED)	 MATERIALS AND METHIDS 1. ALL WRE SHALL BE COPPER TYPE "THHN/THWN," SOLID FOR SIZES #12 AND #14, AND SIRRADED FOR #10 AND LARGER UNLESS OTHERWISE NOTED. 2. MINIMUM WIRE SIZE SHALL BE #14 AWG IN LOCATIONS ALLOWED BY THE NEC. 3. ALL CONDUITS INSTALLED IN EXTERIOR LOCATIONS SHALL BE RIGID SCH.40 PVC, ALL CONDUITS INSTALLED LIN EXTERIOR LOCATIONS SHALL BE RIGID SCH.40 PVC, ALL CONDUITS INSTALLED IN EXTERIOR LOCATIONS SHALL BE RIGID SCH.40 PVC, BURIED PER NEC. ALL EXTERIOR EQUIPMENT SHALL BE CONNECTED WITH LIQUID TIGHT FLEXIBLE METAL CONDUITS INSTALLED LIN EXTERIOR SUBJECT ON WITH THE ADD THAT AND WEATHERPROOF FITTINGS. 3. INSTALL ALL RACEWAYS, BOXES, ENCLOSURES, AND CABINETS AS INDICATED AND INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS. 3. OUTLET AND SWITCH BOXES SHALL BE STEEL IN DRY LOCATIONS AND CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND CONSTRUCTION TO SUIT SPECIFIC SITUATIONS. ALL BOXES SHALL BE RECESSED FLUSH IN WALLS AND/OR CONCEALED ABOVE CELLINGS. PROVIDE ACCESS PANELS FOR BOXES LOCATED IN NON-READILY ACCESSIBLE AREAS. 4. INSTALL COMPONENTS AND EQUIPMENT TO PROVIDE MAXIMUM POSSIBLE HEADROOM WHERE MOUNTING HEIGHTS OR OTHER LOCATION CRITERIA ARE NOT INDICATED. MAINTAIN ALL WORKING CLEARANCES AROUND EQUIPMENT AS REQUIRED BY THE N.EC. INSTALLED PANELBOARDS WITH TOP OF TRIM AT 6'-6" ABOVE FINISHED FLOOR. 4. ALL BRANCH AND FEEDER CIRCUITS SHALL CONTAIN A GROUNDING CONDUCTOR, UNLESS OTHERWISES NOTED, AND BE SIZED AND BONDED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE. ALL GROUNDING CONDUCTORS SHALL BE COPPER, U.O.N. 8. FIRE SEAL ALL PENETRATIONS IN FIRE RATED AND BROACE WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE. ALL GROUNDING CONDUCTORS SHALL BE COPPER, U.O.N. 8. FIRE SEAL ALL PENETRATIONS IN FIRE RATED AND BROACE TO INITIAL RATING. PLASH ALL CONDUIT ROOT SIGN THE READED AND BROANCE WITH HERCIDE STOPPING IN ACCORDANCE TO SECTION 713 OF THE FROED. 9. ALL WIRING DEVICES SHALL	Y IS IS IOGNUS IS IS IOGNUS IS IS IS IOGNUS IS IS IS IS IOGNUS IS IS IS IS IS IS IS IS <t< td=""></t<>
	DAVID E. ALLEY, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 55008. THIS ITEM HAS BEEN DIGITALLY SEALED BY DAVID E. ALLEY, PE ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DRAWING NO.: E1

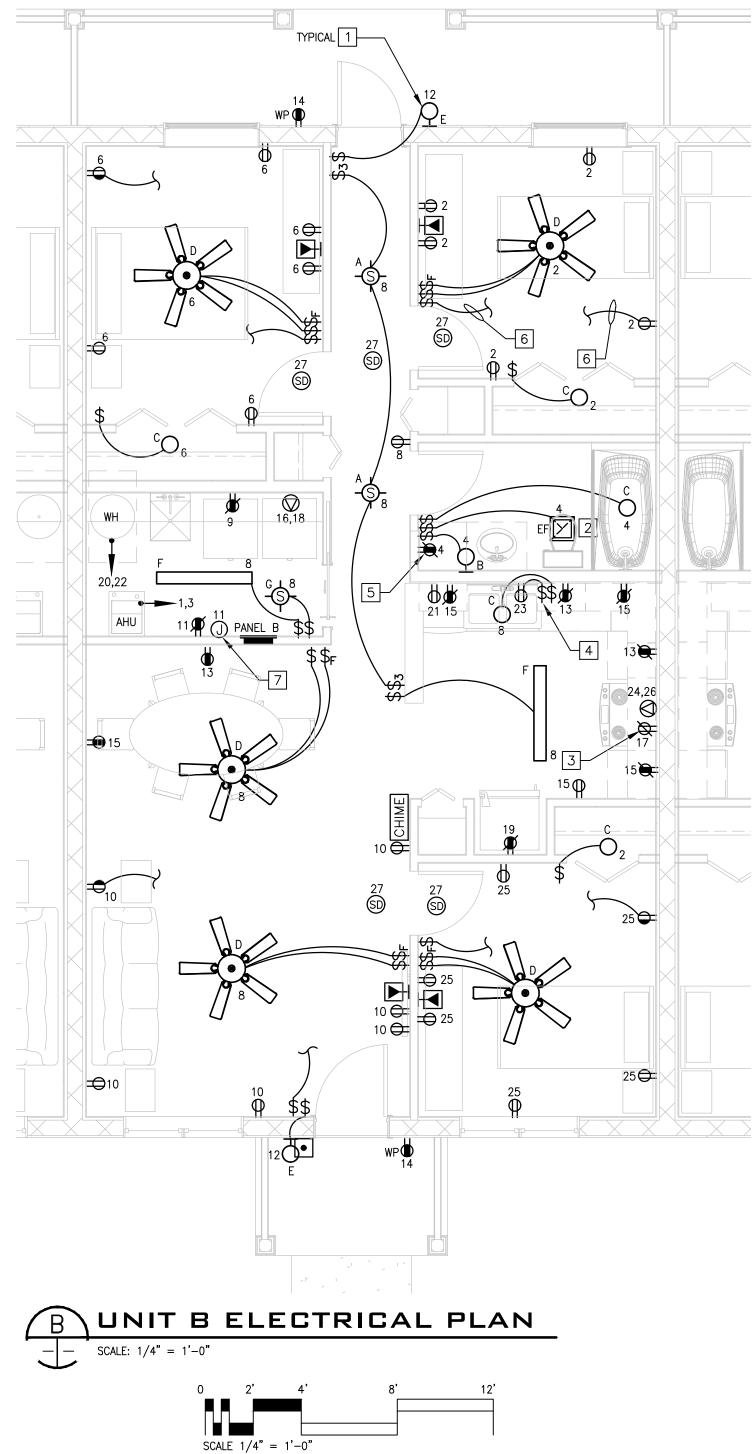


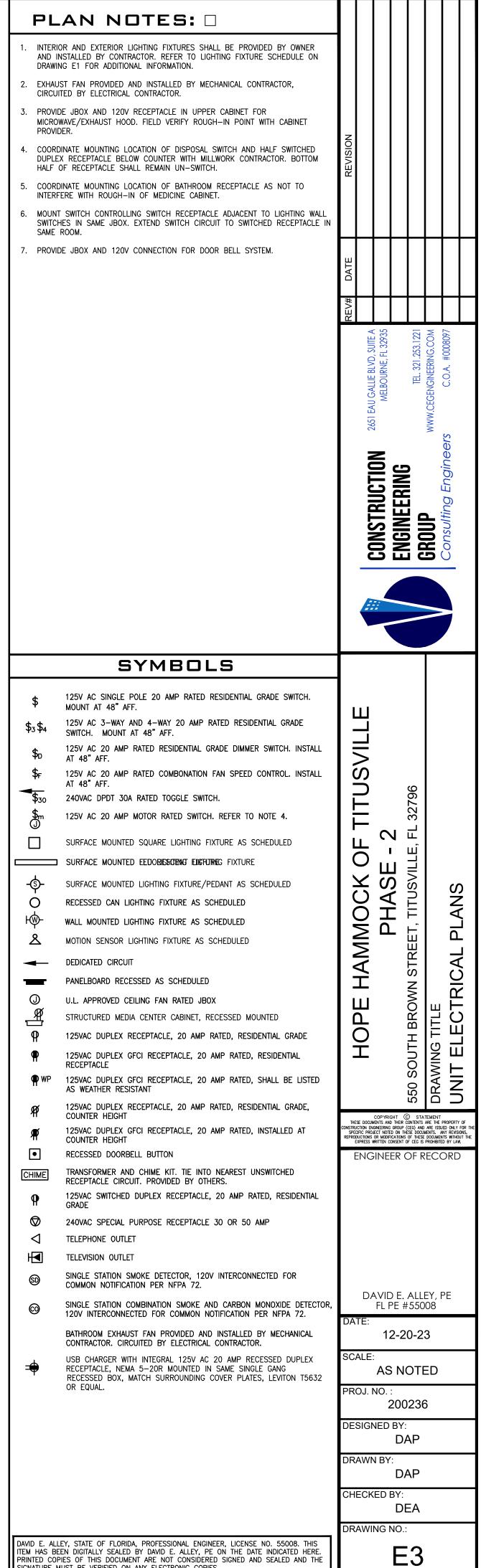
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скт	DESCRIPTION		KVA	СКТ	BRKR	BRA	NCH	CI	RCUIT	đ	скт	DESCRIPTION		KVA	СКТ	BRKR	BRA	NCH	CIF	RCUIT
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1	AHU			2	25	10	-	10	*	а	2	REC/LTG-BEDRM 1	#	-	1	15	14	14	14	*
3			_			10				b	4	REC/LTG-PRIMARY BATH		-	1	20	12	12	12	*
5	CU		_	2	20	10	_	10	3/4	a	6	REC/LTG-BEDRM 2	#	_	1	15	14	14	14	*
7						10				b	8	LTG LIVING/KITCHEN	#	_	1	15	14	14	14	*
9	WASHER	#	_	1	20	12	12	12	*	a	10	REC-LIVING RM	#	-	1	15	14	14	14	*
11	LAUNDRY	#	-	1	20	12	12	12	*	b	12	LTG EXTERIOR	#	-	1	20	12	12	12	*
13	RECEPTS-KITCHEN CNTR	#	_	1	20	12	12	12	*	a	14	REC EXTERIOR	#	_	1	20	12	12	12	*
15	RECEPTS-KITCHEN CNTR	#	_	1	20	12	12	12	*	b	16	DRYER		_	2	30	10	-	10	*
17	MICROWAVE/HOOD	#	-	1	20	12	12	12	*	a	18						10			
19	REFRIGERATOR	#	-	1	20	12	12	12	*	b	20	EWH		-	2	30	10	-	10	*
21	DISHWASHER (GFCI)	#	-	1	20	12	12	12	*	a	22						10			
23	DISPOSAL	#	_	1	20	12	12	12	*	b	24	RANGE		_	2	50	6	6	10	*
25	SMOKE DETECTORS	#	_	1	15	14	14	14	*	a	26						6			
27	SPACE									b	28	SPARE	#		1	15				
29	SPACE									a	30	SPARE	#		1	15				





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скт	DESCRIPTION		KVA	СКТ	BRKR	BRA	NCH	CI	RCUIT	đ	скт	DESCRIPTION	KVA	СКТ	BRKR	BRA	NCH	CIF	RCUIT	
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1	AHU			2	25	10	-	10	*	a	2	REC/LTG-BEDRM 2 #	-	1	15	14	14	14	*	
3			-			10				b	4	REC/LTG-PRIMARY BATH	-	1	20	12	12	12	*	
5	CU		-	2	20	10	-	10	3/4	a	6	REC/LTG-MASTER BEDRM #	-	1	15	14	14	14	*	
7						10				b	8	LTG LIVING/KITCHEN #	-	1	15	14	14	14	*	
9	WASHER	#	-	1	20	12	12	12	*	a	10	REC-LIVING RM #	-	1	15	14	14	14	*	
11	LAUNDRY	#	-	1	20	12	12	12	*	b	12	LTG EXTERIOR	-	1	20	12	12	12	*	
13	RECEPTS-KITCHEN CNTR	#	-	1	20	12	12	12	*	a	14	REC EXTERIOR	-	1	20	12	12	12	*	
15	RECEPTS-KITCHEN CNTR	#	-	1	20	12	12	12	*	b	16	DRYER	-	2	30	10	-	10	*	
17	MICROWAVE/HOOD	#	-	1	20	12	12	12	*	a	18					10				
19	REFRIGERATOR	#	-	1	20	12	12	12	*	b	20	EWH	-	2	30	10	-	10	*	
21	DISHWASHER (GFCI)	#	-	1	20	12	12	12	*	a	22					10				
23	DISPOSAL	#	-	1	20	12	12	12	*	b	24	RANGE	-	2	50	6	6	10	*	
25	REC/LTG-BEDRM 3	#	-	1	20	12	12	12	*	a	26					6				
27	SMOKE DETECTORS	#	-	1	20	12	12	12	*	b	28	SPARE		1	15					
29	SPARE	#		1	15					a	30	SPARE		1	20					

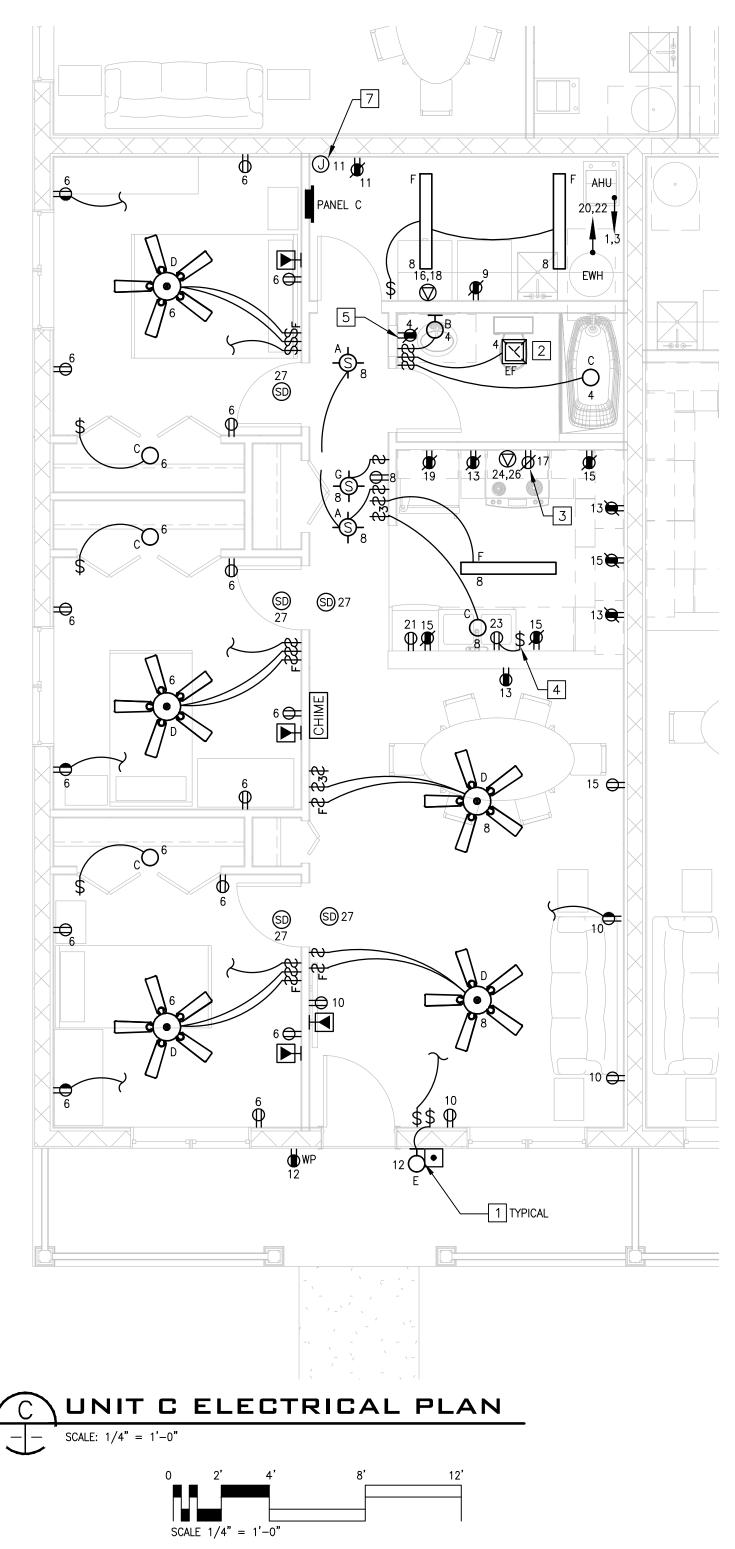


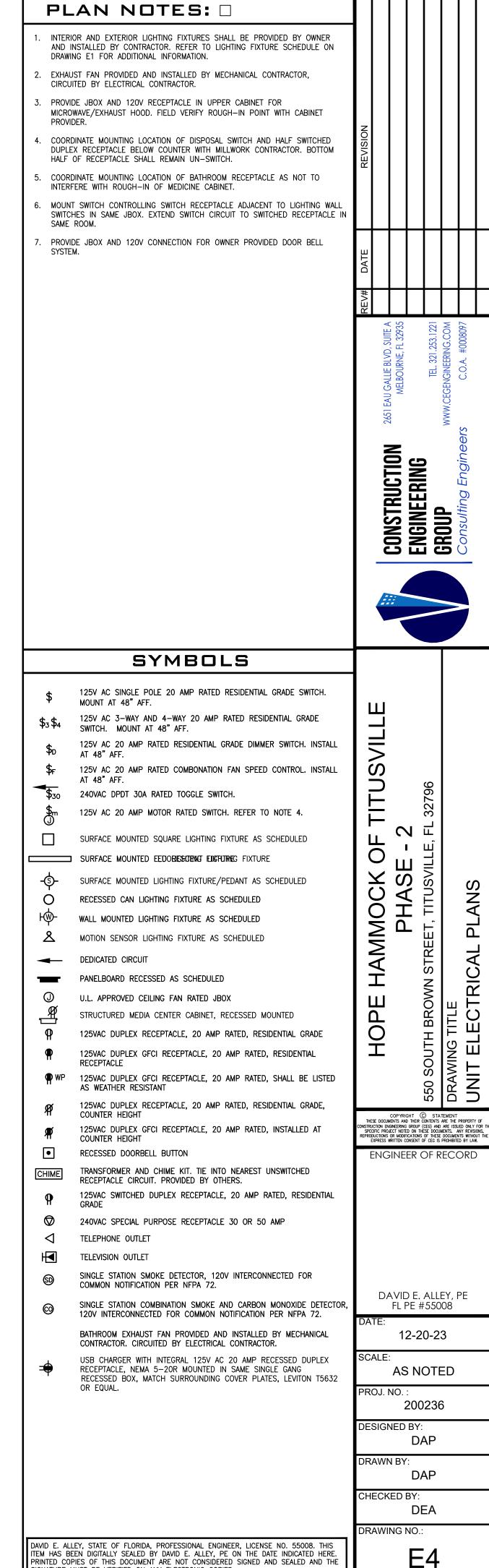


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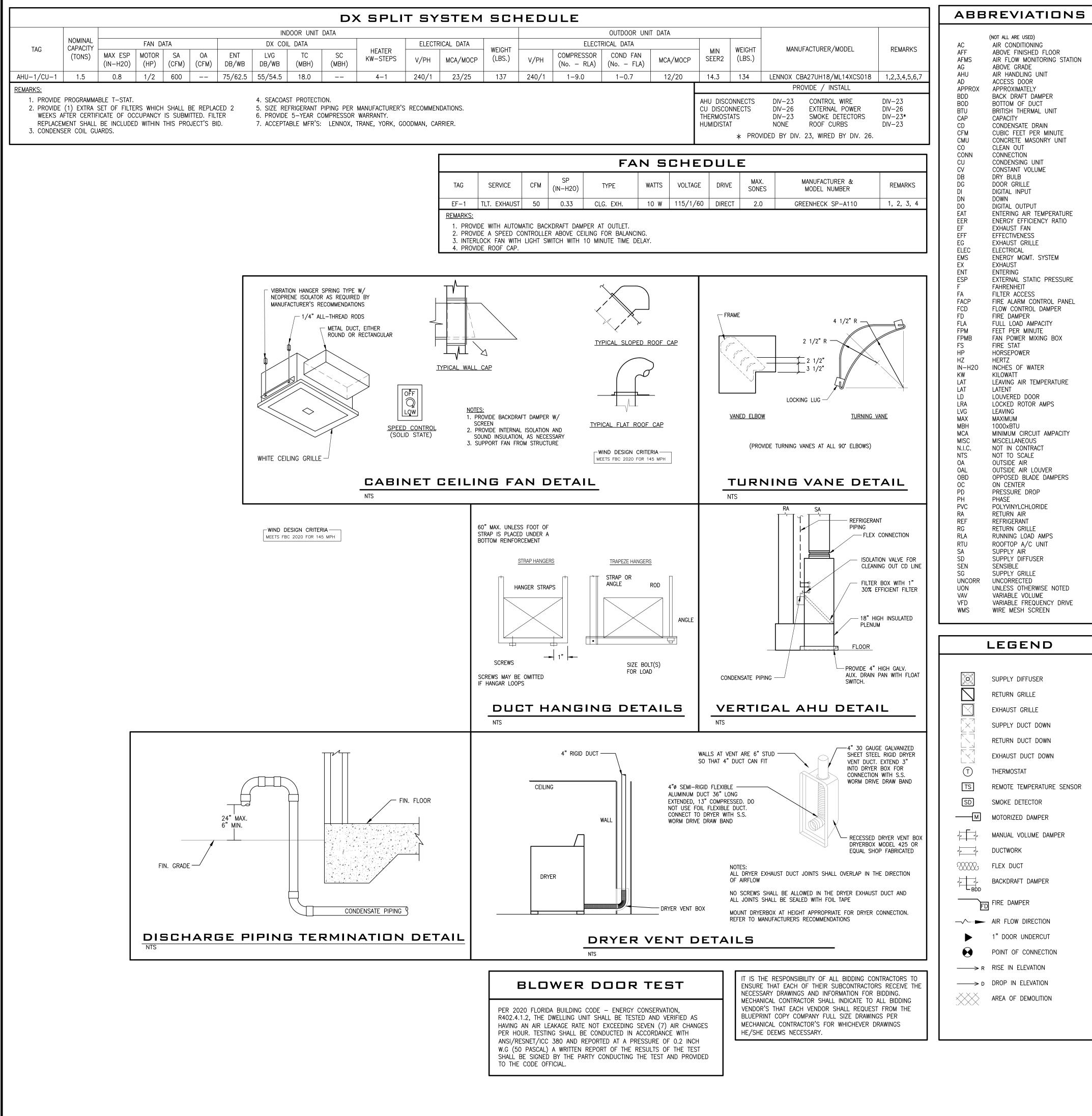
<u>P</u> /	PANEL: C RATING: 125A MLO SERVICE: 120/240V, 1Ø, 3W											G LOCATION: BOTTOM A.I.C. : S DUNTING: RECESSED TYPE: S						ATED		
скт	DESCRIPTION		KVA	СКТ	BRKR	BRA	NCH	CI	RCUIT	đ	скт	DESCRIPTION		KVA	СКТ	BRKR	BRA	NCH	CI	RCUIT
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5	CU		-	2	20	10	-	10	3/4	a	6	REC/LTG-MASTER BEDRM	#	-	1	15	14	14	14	*
7						10				b	8	LTG LIVING/KITCHEN	#	-	1	15	14	14	14	*
9	WASHER	#	-	1	20	12	12	12	*	a	10	REC-LIVING RM	#	-	1	15	14	14	14	*
11	LAUNDRY	#	-	1	20	12	12	12	*	b	12	LTG EXTERIOR		-	1	20	12	12	12	*
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17	MICROWAVE/HOOD	#	-	1	20	12	12	12	*	a	18						10			
19	REFRIGERATOR	#	-	1	20	12	12	12	*	b	20	EWH		-	2	30	10	-	10	*
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23	DISPOSAL	#	-	1	20	12	12	12	*	b	24	RANGE		-	2	50	6	6	10	*
25	REC/LTG-BEDRM 3	#	-	1	20	12	12	12	*	a	26						6			
27	SMOKE DETECTORS	#	-	1	20	12	12	12	*	b	28	SPARE			1	15				
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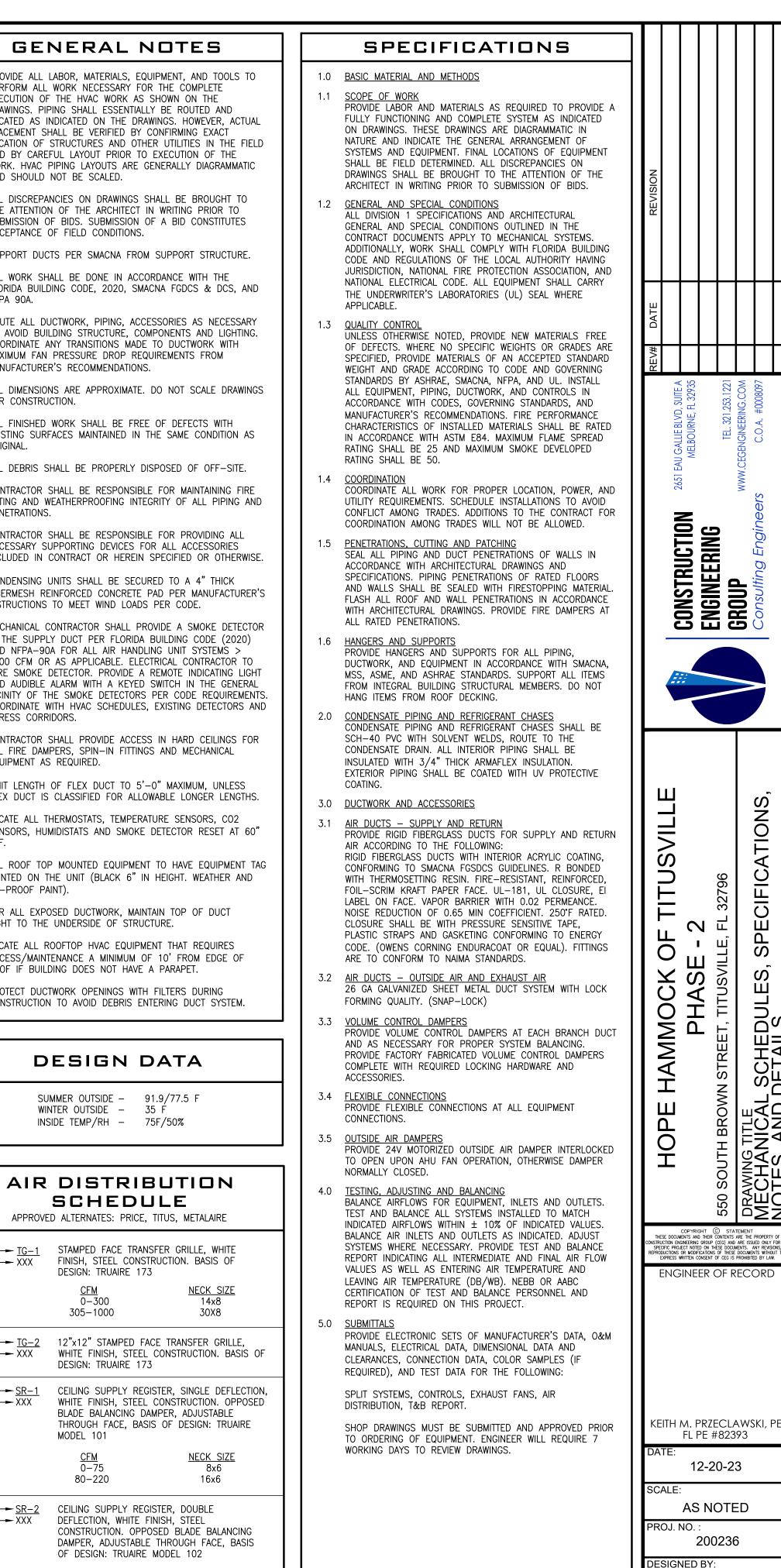


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E4



	REVIAIIUNS			انا
	(NOT ALL ARE USED)		1.	PROVIDE AL
AC AFF	AIR CONDITIONING ABOVE FINISHED FLOOR			PERFORM A
AFMS	AIR FLOW MONITORING STATION			DRAWINGS.
AG AHU	ABOVE GRADE AIR HANDLING UNIT			PLACEMENT LOCATION (
AD APPROX	ACCESS DOOR APPROXIMATELY			AND BY CA WORK. HVA
3DD 3OD	BACK DRAFT DAMPER BOTTOM OF DUCT			AND SHOUL
STU CAP	BRITISH THERMAL UNIT CAPACITY		2.	ALL DISCRE
D	CONDENSATE DRAIN			THE ATTENT
CFM CMU	CUBIC FEET PER MINUTE CONCRETE MASONRY UNIT			ACCEPTANC
CO CONN	CLEAN OUT CONNECTION		3.	SUPPORT D
CU CV	CONDENSING UNIT CONSTANT VOLUME		4.	ALL WORK
)B)G	DRY BULB DOOR GRILLE			FLORIDA BU NFPA 90A.
)I	DIGITAL INPUT		5.	ROUTE ALL
)N)O	DOWN DIGITAL OUTPUT			TO AVOID E
AT ER	ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO			MAXIMUM F
F FF	EXHAUST FAN EFFECTIVENESS			MANUFACTU
G LEC	EXHAUST GRILLE ELECTRICAL		6.	ALL DIMENS
MS	ENERGY MGMT. SYSTEM		7.	ALL FINISHI
IX INT	EXHAUST ENTERING			EXISTING SI ORIGINAL.
SP	EXTERNAL STATIC PRESSURE FAHRENHEIT			
A ACP	FILTER ACCESS FIRE ALARM CONTROL PANEL		8.	ALL DEBRIS
CD D	FLOW CONTROL DAMPER FIRE DAMPER		9.	CONTRACTO RATING ANE
ĹA	FULL LOAD AMPACITY			PENETRATIO
PM PMB	FEET PER MINUTE FAN POWER MIXING BOX		10.	CONTRACTO NECESSARY
TS IP	FIRE STAT HORSEPOWER			INCLUDED I
IZ N-H2O	HERTZ INCHES OF WATER		11.	CONDENSIN
(W AT	KILOWATT LEAVING AIR TEMPERATURE			FIBERMESH INSTRUCTIO
AT	LATENT LOUVERED DOOR		12	MECHANICA
.D .RA	LOCKED ROTOR AMPS		12.	IN THE SUP
.VG /AX	LEAVING MAXIMUM			AND NFPA- 2000 CFM
/IBH /ICA	1000xBTU MINIMUM CIRCUIT AMPACITY			WIRE SMOK
AISC I.I.C.	MISCELLANEOUS NOT IN CONTRACT			VICINITY OF
ITS	NOT TO SCALE			EGRESS CC
)A)AL	OUTSIDE AIR OUTSIDE AIR LOUVER		13.	CONTRACTO
)BD)C	OPPOSED BLADE DAMPERS ON CENTER			ALL FIRE D
PD PH	PRESSURE DROP PHASE		14.	LIMIT LENG
PVC RA	POLYVINYLCHLORIDE RETURN AIR			FLEX DUCT
REF RG	REFRIGERANT RETURN GRILLE		15.	LOCATE ALL
RLA	RUNNING LOAD AMPS			SENSORS, AFF.
rtu Sa	ROOFTOP A/C UNIT SUPPLY AIR		16.	ALL ROOF
SD SEN	SUPPLY DIFFUSER SENSIBLE			PAINTED ON
SG	SUPPLY GRILLE UNCORRECTED		47	
JON	UNLESS OTHERWISE NOTED VARIABLE VOLUME		17.	FOR ALL EX TIGHT TO T
/AV /FD	VARIABLE FREQUENCY DRIVE		18.	LOCATE ALL
VMS	WIRE MESH SCREEN			ACCESS/MA ROOF IF BU
			19	PROTECT D
I	EGEND			CONSTRUCT
	SUPPLY DIFFUSER			
	RETURN GRILLE			
	EXHAUST GRILLE			
	SUPPLY DUCT DOWN			
	RETURN DUCT DOWN			
	EXHAUST DUCT DOWN			AII
(T)	THERMOSTAT			
TS	REMOTE TEMPERATURE SENSOR			APPR
SD	SMOKE DETECTOR		TAG — AIRFLO	$\overline{W} \xrightarrow{F} \underline{TG}$
M	MOTORIZED DAMPER			
	MANUAL VOLUME DAMPER			
	DUCTWORK			
	FLEX DUCT		TAG -	
			AIRFLO	$W \longrightarrow \overline{XXX}$
	BACKDRAFT DAMPER			
FD	FIRE DAMPER		TAG — AIRFLO	<u>→</u> <u>SR−1</u> ₩ → XXX
FD				~~~~
	AIR FLOW DIRECTION			
	1" DOOR UNDERCUT			
	POINT OF CONNECTION			
> R	RISE IN ELEVATION			
> D	DROP IN ELEVATION		TAG — AIRFLO	₩ <u> SR-2</u> ₩ XXX
\times	AREA OF DEMOLITION			
$\times \times \times$				
		Í	1	



NECK SIZE 10x8 <u>CFM</u> 100-130

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NATURAL VENTILATION CALCULATION

TYPICAL UNIT

UNIT FLOOR AREA: 952 SF

MIN. VENTILATION AREA: 38 SF (UNIT AREA x 4%)

ACTUAL VENTILATION AREA: 82.0 SF (OPERABLE OPENING AREA)

NATURAL VENTILATION CALCULATIONS BASED ON FLORIDA MECHANICAL CODE CHAPTER 4, SECTION 402

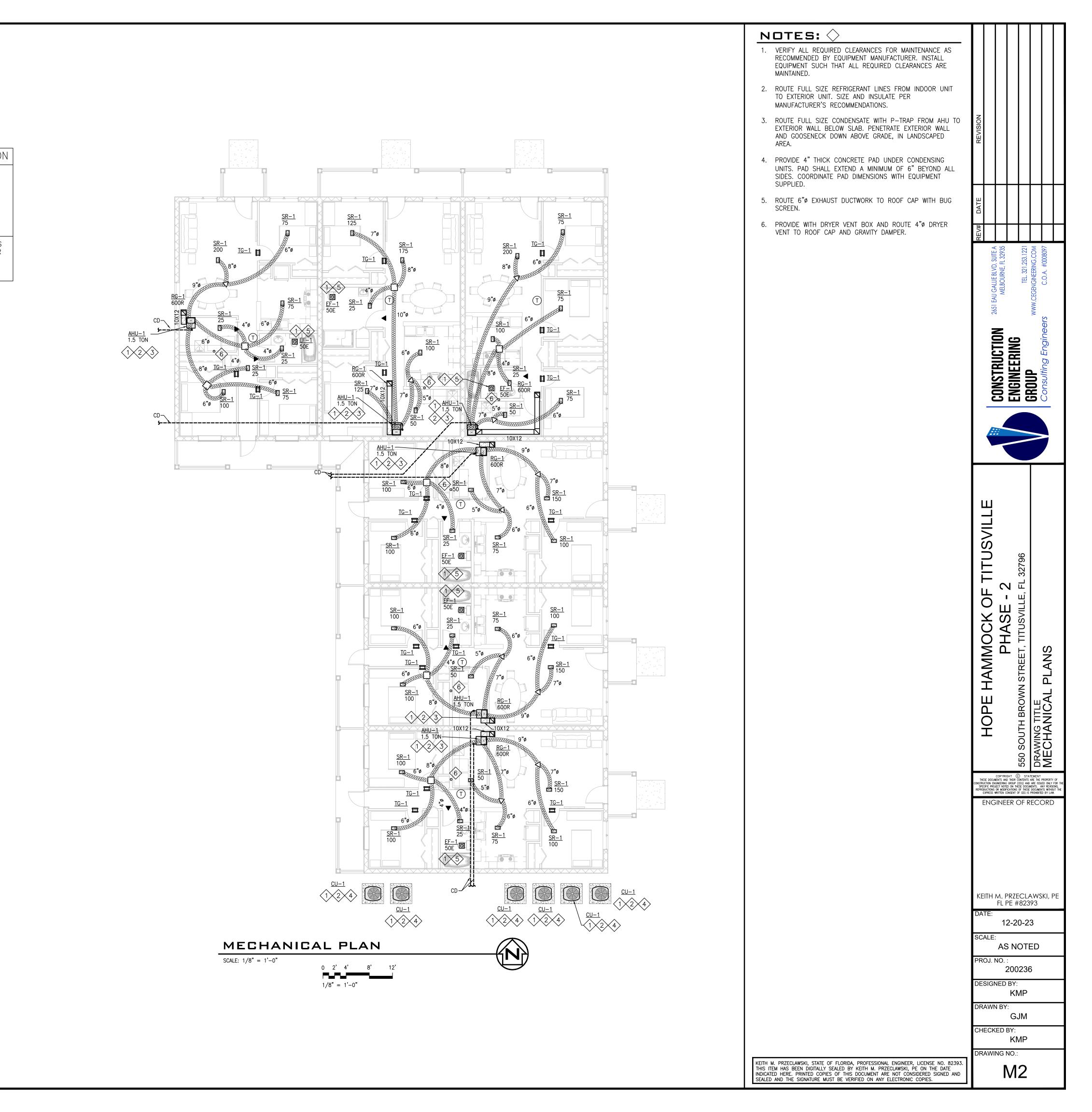
DRYER VENT LENGTH CALCULATION

TYPICAL UNIT

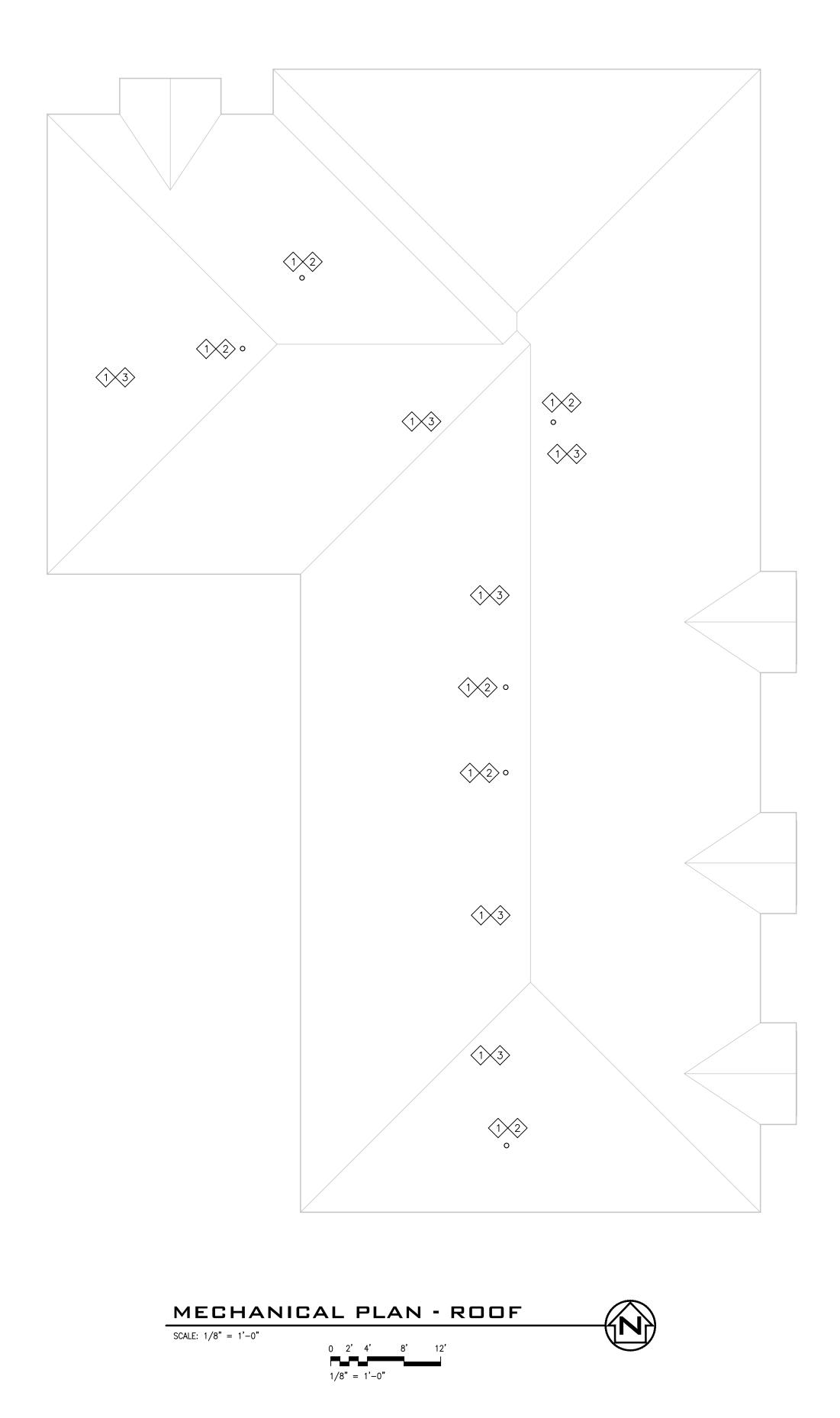
HORIZONTAL LENGTH: 0 FT VERTICAL LENGTH: 16 FT 90° ELBOWS (5 FT EQUIVALENT LENGTH): 5 FT 45° ELBOWS (2.5 FT EQUIVALENT LENGTH): 0 FT

TOTAL EQUIVALENT LENGTH: 21 FT

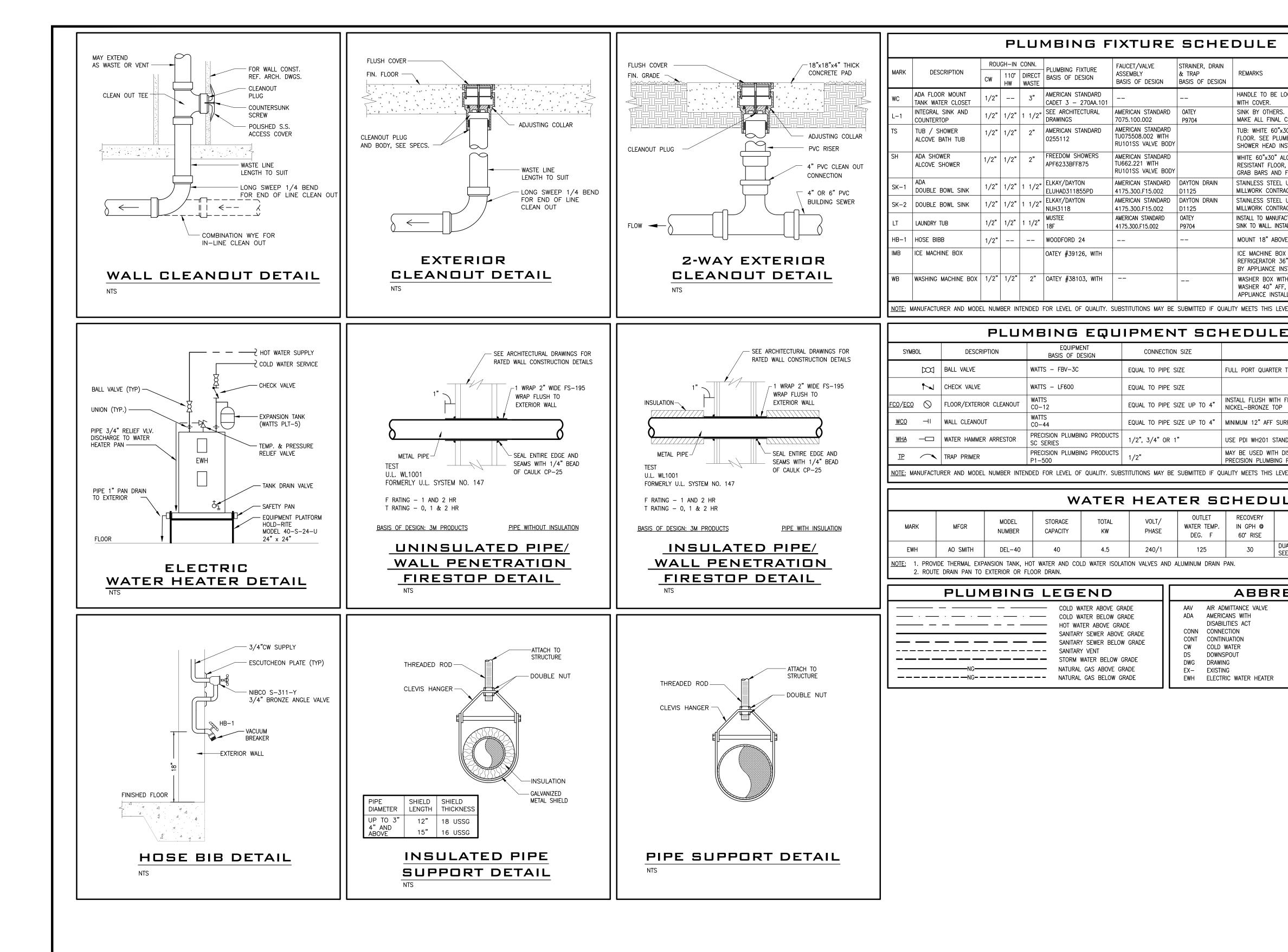
IF DRYER VENT TOTAL EQUIVALENT LENGTH EXCEEDS THE CODE MAXIMUM LENGTH OF 35 FT, ANY DRYER CONNECTION TO THE BUILDING EXHAUST SYSTEM SHALL BE REQUIRED TO MEET ITS MANUFACTURERS REQUIRED ALLOWABLE MAXIMUM LENGTH





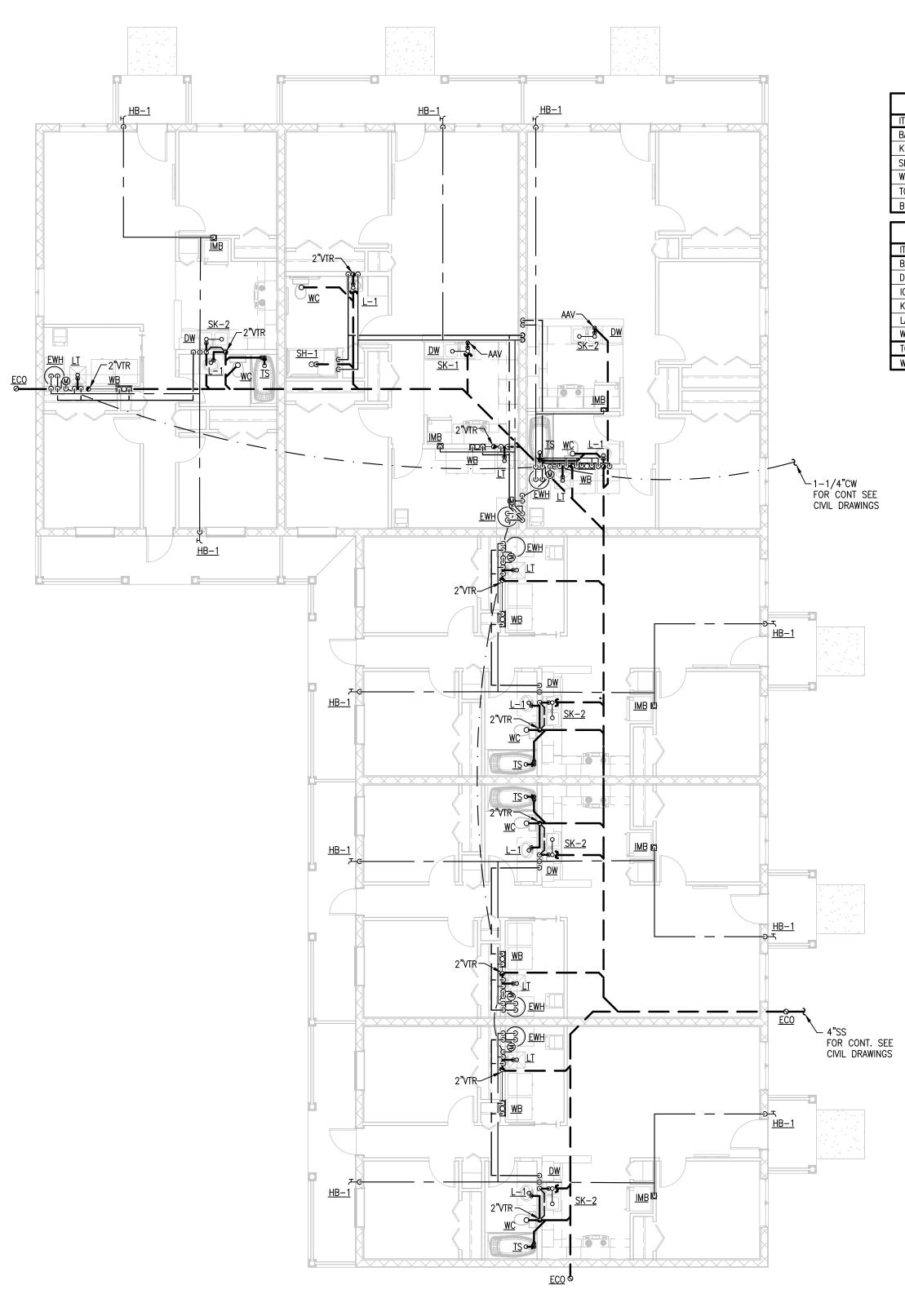


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	Image: Non-State StateConstruction2651 EAU GALLE BLVD, SUITE A MELBOURNE, FL 32935Image: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateConstructionConstructionImage: Non-StateImage: Non-State
	HOPE HAMMOCK OF TITUSVILLE HOPE HAMMOCK OF TITUSVILLE PHASE - 2 BHASE - 2 So South Brown Street, titusville, FL 32796 TITUSVILLE, FL 32796 DRAWING TITLE MECHANICAL PLANS - ROOF
	KEITH M. PRZECLAWSKI, PE FL PE #82393 DATE: 12-20-23 SCALE: AS NOTED PROJ. NO. : 200236 DESIGNED BY: KMP DRAWN BY: GJM CHECKED BY: KMP DRAWING NO.:
KEITH M. PRZECLAWSKI, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 82393. THIS ITEM HAS BEEN DIGITALLY SEALED BY KEITH M. PRZECLAWSKI, PE ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	M3



		PLUMBING GENERAL NOTES AND SPECIFICATIONS	
OCATED ON WIDE SIDE OF TOILET. 5321.11	10 SEAT	 PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND TOOLS TO PERFORM ALL WORK NECESSARY FOR THE COMPLETE EXECUTION OF THE PLUMBING WORK AS SHOWN ON THE DRAWINGS. PIPING SHALL ESSENTIALLY BE ROUTED AND LOCATED AS INDICATED ON THE DRAWINGS. HOWEVER, ACTUAL PLACEMENT SHALL BE VERIFIED BY CONFIRMING EXACT LOCATION OF STRUCTURES AND OTHER UTILITIES IN THE FIELD 	
PROVIDE COMPLETE FAUCET INSTALLATION CONNECTIONS TO SINK.		AND BY CAREFUL LAYOUT PRIOR TO EXECUTION OF THE WORK. PLUMBING DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOULD NOT BE SCALED.	
30" ALCOVE TUB WITH TILE FLANGE AND A IBING PLANS FOR DRAIN LOCATION. STALLED AT 7'2" ABOVE FINISHED FLOOR.	NTI-SLIP	 PROVIDE WORK NOT SPECIFICALLY SHOWN OR SPECIFIED, YET REQUIRED FOR PROPER AND COMPLETE OPERATIONS OF ALL SYSTEMS AND TO SATISFY THE DESIGN INTENT. COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. 	EVISION
COVE SHOWER SYSTEM WITH TILE FLANGE , CENTER DRAIN LOCATION. PROVIDE FACTO FOLDING SHOWER BENCH. UNDER-MOUNT SINK. COORDINATE INSTALL	ORY INSTALLED	3. LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED UNDER THE PLUMBING CONTRACTORS' SCOPE OF WORK SHALL BE PERFORMED BY EXPERIENCED MECHANICS OF THE PROPER TRADE AND ALL WORKMANSHIP SHALL BE FIRST CLASS AND SHALL BE IN COMPLIANCE WITH THE SPECIFIC REQUIREMENTS OF	RE
ACTOR. NO ESCUTCHEON PLATE AT FAUCET UNDER-MOUNT SINK. COORDINATE INSTALL	_ation_with	THE CONTRACT DRAWINGS. 4. ALL DISCREPANCIES ON DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ADDUITEOT IN WRITING DRIVE TO SUBMISSION OF DRESS SUBMISSION OF A DRE	
ACTOR. NO ESCUTCHEON PLATE AT FAUCET CTURERS REQUIREMENTS, PROVIDE FLOOR KIT AI ALL FAUCET AS LISTED.		ARCHITECT IN WRITING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID CONSTITUTES ACCEPTANCE OF FIELD CONDITIONS.5. SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, MOUNTING	ш
E FINISHED FLOOR. SEE DETAIL FOR ISOLA		HEIGHTS, DIMENSIONS AND ADDITIONAL REQUIREMENTS NOT COVERED ON THESE DRAWINGS.	DATI
(WITH WATER HAMMER ARRESTOR MOUNTE "AFF FINAL CONNECTION AND SUPPLY LII STALLER. "H WATER HAMMER ARRESTOR MOUNTED BE	ne provided Ehind	 ALL WORK SHALL BE IN ACCORDANCE WITH, BUT NOT LIMITED TO, THE LATEST ADOPTED EDITION OF THE FOLLOWING CODES AND STANDARDS: FLORIDA BUILDING CODE, (FBC); NATIONAL FIRE PROTECTION ASSOCIATION (NEDA). 	EA 935 221 0M 097
, FINAL CONNECTION AND SUPPLY LINES F	PROVIDED BY	NATIONAL FIRE PROTECTION ASSOCIATION, (NFPA); AMERICANS WITH DISABILITIES ACT, (ADA); AMERICAN SOCIETY OF MECHANICAL ENGINEERS, (ASME);	LIE BLVD, SUITE A SOURNE, FL 32935 TEL. 321.253.1221 GINEERING. COM C.O.A. #0008097
EL.		AMERICAN SOCIETY FOR TESTING AND MATERIALS, (ASTM); AMERICAN NATIONAL STANDARDS INSTITUTE, (ANSI); UNDERWRITERS LABORATORIES, (UL);	SAI NELE
	SUBMITTAL	ALL LOCAL CODES, ORDINANCES, REGULATIONS; THE AUTHORITY HAVING JURISDICTION.	
REMARKS TURN	REQUIRED	7. CONTRACTOR SHALL OBTAIN AND FURNISH ALL PERMITS, AND ARRANGE FOR ALL REQUIRED INSPECTIONS.	
	NO	 CONTRACTOR SHALL INSPECT THE SITE FOR FIELD VERIFICATION OF ALL ASPECTS OF THE PROJECT PRIOR TO BIDDING. CONTRACTOR SHALL COOPDINATE ALL WORK WITH OTHER TRADES 	CTION RING <i>Engineers</i>
FINISHED FLOOR OR GRADE ROUND	YES	 CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES. ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES. PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL 	CONSTRUCTIO ENGINEERING GROUP Consulting Engin
RFACE, PROVIDE COVER AND BRASS SCREW		PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL FINISHES. PIPING IN MECHANICAL ROOMS MAY BE EXPOSED.	
DARDS DISTRIBUTION BLOCK	YES	 CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS. CONTRACTOR SHALL INSTALL DIFLECTRIC LINIONS AT CONNECTIONS OF DISSIMILAR 	
PRODUCTS MODEL DU-4	YES	 CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS. DO NOT PENETRATE WALL EQUILINGS WITH PIPING. COORDINATE WITH CENERAL 	
LE		13. DO NOT PENETRATE WALL FOOTINGS WITH PIPING. COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES. WHERE ABSOLUTELY NECESSARY, ALL PIPING PENETRATING BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY THE STRUCTURAL ENGINEER.	
REMARKS		 CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT, OR HEREIN SPECIFIED, OR OTHERWISE. 	
IAL ELEMENT NON-SIMULTANEOUS OPERATI E DETAIL FOR ADDITIONAL INSTALLATION RE		15. WALL BRACKETS, HANGERS, SUPPORTS, ETC. SHALL BE PROVIDED WHERE REQUIRED IN ACCORDANCE WITH THE BEST STANDARD PRACTICE OF THE TRADE AND AS PER CODE. ADDITIONAL SUPPORTS SHALL BE PROVIDED TO TRANSMIT LOADS TO THE MAIN STRUCTURE WHERE REQUIRED. ALL EXPOSED SUPPORTS SHALL BE HOT DIPPED	Ш
		GALVANIZED OR FIBERGLASS REINFORCED "UNISTRUT" TYPE INCLUDING HARDWARE. MAXIMUM HORIZONTAL SPACING: CAST IRON 5'-0" ON CENTER (10' PIPE LENGTHS MAY BE 10'-0" SPACING)	
F DEGREES FAHRENHEIT		COPPER 6'-0" ON CENTER FOR $1-1/4$ " AND SMALLER 10'-0" ON CENTER FOR $1-1/2$ " AND LARGER CPVC 3'-0" ON CENTER FOR $1/2$ " THRU 1"	TITUSVILL - 32796
GPM GALLONS PER MINUTE HR HOUR HW HOT WATER		4'-0" ON CENTER FOR $1-1/4"$ AND LARGER PVC $4'-0"$ ON CENTER	
NTS NOT TO SCALE PD PUMP DRAIN SS SANITARY SEWER		16. STORM DRAIN, CONDENSATE DRAIN, SANITARY WASTE AND VENT PIPING SHALL BE COLLECTED AND TERMINATED AT A POINT SHOWN ON THE DRAWINGS. PIPING SHALL	
T&P TEMPERATURE & PRESSU TYP TYPICAL	JRE	BE SCHEDULE 40 TYPE DWV PVC WITH SOLVENT WELD JOINTS, EXCEPT FOR RETURN AIR PLENUM AREAS WHERE SERVICE WEIGHT CAST IRON PIPE WITH HUB AND SPIGOT FITTINGS OR PVC PIPING WITH 1" THICK FIRE WRAP INSULATION SEALED TO PROVIDE	О Г - 2
V VENT		FS/SD = 25/50 SHALL BE USED. FIRE WRAP INSULATION SHALL BE 5A FIRE BARRIER PLENUM WRAP BY 3M OR APPROVED EQUIVALENT.	
		17. ALL DRAINAGE PIPING 3" AND LARGER SHALL HAVE A MINIMUM SLOPE OF ½" PER FOOT, PIPING 2-½" AND SMALLER SHALL HAVE A MINIMUM SLOPE OF ¼" PER FOOT UNLESS OTHERWISE NOTED.	
		18. VENT PIPING SHOWN ON FLOOR PLANS IS ONLY INDICATIVE EXCEPT FOR VTR LOCATIONS.	
		19. BUILDING DOMESTIC WATER PIPING (ABOVE FLOOR) SHALL BE CPVC PLASTIC PIPE AND FITTINGS. PROVIDE TRANSITION FITTINGS AS REQUIRED TO INSTALL VALVES,	IAMMOCK PHAS STREET, TITUS ECIFICATIO
		FIXTURE STOPS, EQUIPMENT AND OTHER COMPONENTS. PIPE AND FITTINGS SHALL CONFORM TO ASTM-1784. ALL EXPOSED PIPING SHALL BE TYPE L HARD COPPER TUBE PAINTED TO MATCH. ALL HOT WATER, TEMPERED WATER AND HOT WATER	
		RETURN PIPE AND FITTINGS SHALL BE COVERED IN 1" THICK ELASTOMERIC INSULATION WITH ALL SEAMS AND JOINTS SEALED TIGHT.	PE F BROWN IG SPI I ES A
		20. ALL MATERIALS PROVIDED BY THE CONTRACTOR SHALL BE NEW AND FREE OF DEFECTS AND SHALL BE UL LISTED FOR THE INTENDED APPLICATION.	
		 ALL HAND SINKS AND LAVATORIES SHALL BE PROVIDED WITH TEMPERED WATER AND TEMPERATURE SET TO 110°F MAXIMUM. HOT AND COLD WATER SUPPLY PIPING AND DRAIN PIPING UNDER HANDICAPPED 	ll ∽l≥⊃∓
		22. HOT AND COLD WATER SUPPLY PIPING AND DRAIN PIPING UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED PER AMERICANS WITH DISABILITIES ACT, WITH FACTORY FABRICATED SEAMLESS MICROBIAL PVC RESIN INSULATION.	SCC SCC SCC
		23. VALVES AND FITTINGS SHALL BE OF SAME SIZE AS LINE IN WHICH THEY ARE INSTALLED.	COPYRIGHT C STATEMENT THESE DOCUMENTS AND THEIR CONTENTS ARE THE PROPERTY OF CONSTRUCTION ENGINEERING GROUP (CCG) AND ARE ISSUED ONLY FOR TH SPECIFIC PROJECT NOTED ON THESE DOCUMENTS. ANY REVISIONS, REPRODUCTIONS OF MODIFICATIONS OF THESE DOCUMENTS WITHOUT THE EXPRESS WRITENE CONSENT OF CCG IS PROHIBIED BY LAW.
		24. INSTALL WATER HAMMER ARRESTORS AT EACH FIXTURE, OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER HAMMER ARRESTORS	ENGINEER OF RECORD
		AS SPECIFIED. 25. ALL WATER SUPPLY AND DRAINAGE LINES SHALL BE INSTALLED AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGE IN SIZING.	
		26. BALL VALVES $\cancel{4}$ " THROUGH 2" SHALL BE TWO PIECE – 600 WOG, TEFLON SEATS, ANSI 316 STAINLESS STEEL BALL AND STEM (EXTENSION STEM ON INSULATED HOT	
		WATER AND TEMPERED HOT WATER), BRONZE BODY WITH THREADED OR SOLDER ENDS.	
			KEITH M. PRZECLAWSKI, PE FL PE #82393
			DATE: 12-20-23
			SCALE:
			AS NOTED PROJ. NO. :
			200236
			DESIGNED BY: WHB
			DRAWN BY: WHB
			CHECKED BY: KMP
		KEITH M. PRZECLAWSKI, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 82393. THIS ITEM HAS BEEN DIGITALLY SEALED BY KEITH M. PRZECLAWSKI, PE ON THE DATE	
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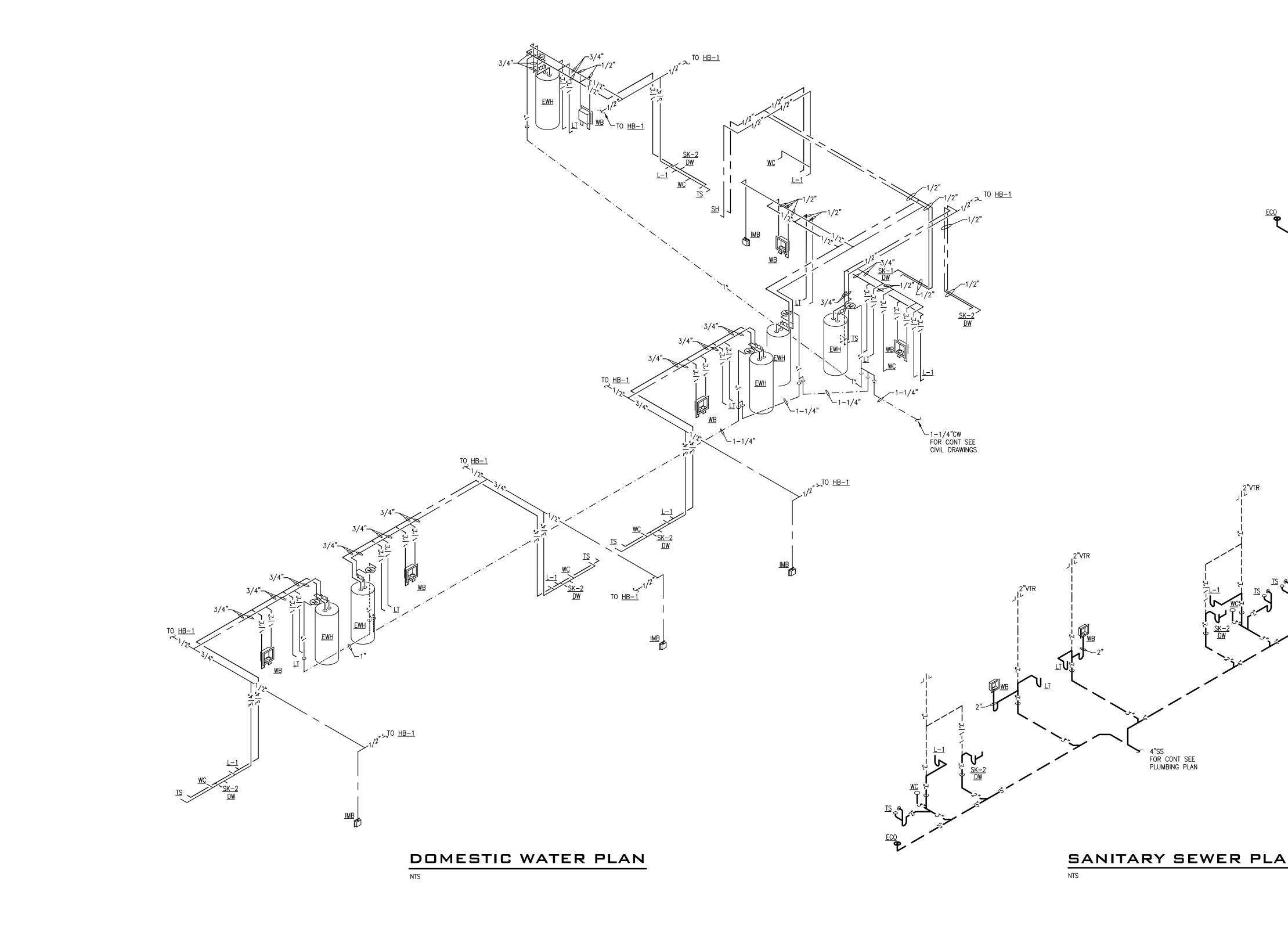


PLUMBING PLAN

SCALE: 1/8" = 1'-0"

DFU CALCULATION			
ITEM	QTY	DFU	SUM
BATHROOM GROUP - 1.6 WATER CLOSET	6	5.0	30.0
KITCHEN SINK - DOMESTIC	6	2.0	12.0
SINK	6	2.0	12.0
WASHING MACHINE - RESIDENTIAL	6	2.0	12.0
TOTAL DFU			66.0
BUILDING SEWER PIPE SIZE = 4"			
BUILDING SEWER	t t	PPE SIZE	= 4
BUILDING SEWER	ł	PIPE SIZE	= 4
WSFU CALCU			
WSFU CALCU	ILA	тіо	N
WSFU CALCU		WSFU	N SUM
WSFU CALCU ITEM BATHROOM GROUP - FLUSH TANK	QTY 6	WSFU 3.6	SUM 21.6
WSFU CALCU ITEM BATHROOM GROUP - FLUSH TANK DISHWASHING MACHINE	QTY 6 6	WSFU 3.6 1.4	SUM 21.6 8.4
WSFU CALCU ITEM BATHROOM GROUP – FLUSH TANK DISHWASHING MACHINE ICE MACHINE	QTY 6 6 6	WSFU 3.6 1.4 0.25	N 21.6 8.4 1.5
WSFU CALCU ITEM BATHROOM GROUP – FLUSH TANK DISHWASHING MACHINE ICE MACHINE KITCHEN SINK – PRIVATE	QTY 6 6 6 6	WSFU 3.6 1.4 0.25 1.4	SUM 21.6 8.4 1.5 8.4
WSFU CALCU ITEM BATHROOM GROUP – FLUSH TANK DISHWASHING MACHINE ICE MACHINE KITCHEN SINK – PRIVATE LAUNDRY SINK – PRIVATE	QTY 6 6 6 6 6	WSFU 3.6 1.4 0.25 1.4 1.4	SUM 21.6 8.4 1.5 8.4 8.4 8.4

FLI CALCULATION OTY DEU SUM 4 GROUP - 1.6 WATER CLOSET 6 5.0 30.0 SINK - DOMESTIC 6 2.0 12.0 MACHINE - RESIDENTIAL 6 2.0 12.0 MACHINE - RESIDENTIAL 6 2.0 12.0 MACHINE - RESIDENTIAL 6 2.0 12.0 M GROUP - FLUSH TANK 6 3.6 21.5 ING MACHINE 6 1.4 8.4 ING - PRIVATE 6 1.4 8.4 SINK - PRIVATE 6 1.4 8.4 SINGENCE PIPE GPM = 30 PIPE SIZE = 1-1/4* <th>Image: Market index index</th>	Image: Market index
	A DECAMPACIÓN OF TITUSVILLE HOPE HAMMOCK OF TITUSVILLE PARA OF TANADOCK OF TITUSVILLE DEPARE - 2 SEO SOUTH BROMN STRET , TITUSVILLE, FL 32796 DEAMING TITU PLUMBING PLAN PLUMBING PLAN
KEITH M. PRZECLAWSKI, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 823 THIS ITEM HAS BEEN DIGITALLY SEALED BY KEITH M. PRZECLAWSKI, PE ON THE DATE INDICATED HERE, PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AN SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	



AND	REV# DATE REV# DATE REVISION CONSTRUCTION 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 REV# DATE REVISION CONSTRUCTION 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 2651 EAU GALIE BLVD, SUITE A MELBOURNE, FL 32935 REV# REVISION ENGINEERING 2600 Tel. 321 253.121 MELBOURNE, FL 32935 MELBOURNE, FL 32935 MELBOURNE, FL 32935 Consulting Engineers C.O.A. #0008097 MELBOURNE, FL 32935 MELBOURNE, FL 32935 MELBOURNE, FL 32935
AN	HOPE HAMMOCK OF TITUSVILLE HOPE HAMMOCK OF TITUSVILLE PHASE - 2 BHASE - 2 S50 SOUTH BROWN STREET, TITUSVILLE, FL 32796 550 SOUTH BROWN STREET, TITUSVILLE, FL 32796 DRAWING TITLE DRAWING TITLE PLUMBING ISOMETRICS
KOTH M. PRZECIAMSKI, STATE OF FLORIDA. PROFESSIONAL ENGINEER, LICENSE NO. 82303. THIS ITEM HAS BEEN DIGITALLY STALED BY KOTH M. PRZECIAMSKI, PE ON THE DIZE INDRATE DHERE. PINNTED COPIES OF THE DOCUMENT ARE NOT CONSIDERED SIGNED AND ISDRATE DHE THE DISTRICT MUST BE VERIFIED ANY ELECTRONE COPIES	REPRODUCTIONS OR HODFITCATIONS OF THESE DOCUMENTS WITHOUT THE ENGINEER OF RECORD KEITH M. PRZECLAWSKI, PE FL PE #82393 DATE: 12-20-23 SCALE: AS NOTED PROJ. NO. : 200236 DESIGNED BY: WHB DRAWN BY: WHB CHECKED BY: KMP DRAWING NO.: P3

GENERAL

- 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH FABRICATION AND CONSTRUCTION.
- 2. DESIGN WIND LOADS IS IN ACCORDANCE WITH 2020 FLORIDA BUILDING CODE 7TH EDITION AND ASCE 7-16 USING THE FOLLOWING CRITERIA:
- a. STRUCTURAL CATEGORY = II

b. BASIC WIND SPEED

- = 150 MPH
 - = 1.00
- c. IMPORTANCE FACTOR d. EXPOSURE CATEGORY
 - = B
- e. INTERNAL PRESSURE COEFF. = +/-0.18 (ENCLOSED CONDITION)
- f. MEAN ROOF HEIGHT = 15.0 FT
- 3. COMPONENTS AND CLADDING PRESSURES:
- (SEE TABLE THIS DRAWING)

ALL OPENINGS WILL BE REQUIRED TO BE PROTECTED WITH IMPACT-RESISTANT MATERIAL RATED BY THE MANUFACTURER TO EXCEED THE ABOVE PRESSURES.

- 4. ROOF TILES SHALL COMPLY WITH PROVISIONS OF ASTM C1492 OR ASTM C1167-11 AND SECTION 1504 OF THE FLORIDA BUILDING CODE.
- 5. SUPERIMPOSED DESIGN LOADS
- a. ROOF TOP CHORD LIVE = 20 PSF
- b. ROOF BOTTOM CHORD LIVE = 0 PSF
- c. ROOF TOP CHORD DEAD = 15 PSF
- d. ROOF BOTTOM CHORD DEAD = 10 PSF

6. ALL DETAILS APPLY TO SIMILAR SITUATIONS UNLESS SPECIFICALLY NOTED OTHERWISE ELSEWHERE

FOUNDATIONS

- 1. ASSUMPTIVE DESIGN NET SOIL BEARING PRESSURE FOR SPREAD FOOTINGS IS 2000 PSF. THIS SHALL BE VERIFIED BY AN INDEPENDENT TESTING LABORATORY PRIOR TO INSTALLING FOUNDATIONS.
- 2. COMPACT SOILS AT BOTTOM OF FOOTINGS AND SLABS TO 95% OF MAXIMUM DENSITY PER ASTM D1557.

CONCRETE

- 1. DESIGN, MATERIAL, WORKMANSHIP, AND PREPARATION OF DETAILED FABRICATION AND PLACING DRAWINGS SHALL BE IN ACCORDANCE WITH CURRENT EDITIONS OF ACI 318, ACI SP-66, ACI SP-4, AND THE CRSI HANDBOOK.
- 2. ALL CONCRETE SHALL DEVELOP THE FOLLOWING COMPRESSIVE STRENGTHS AT 28 DAYS. UNLESS OTHERWISE NOTED:
- a. SLABS AND FOUNDATIONS 2500 PSI
- b. BEAMS AND FILLED CELLS 3000 PSI
- 3. SLUMP JUST PRIOR TO PLACING SHALL BE THE FOLLOWING (PLUS OR MINUS ONE INCH)
- a. SLABS ON GRADE: 4 INCHES
- b. FOUNDATIONS: 4 INCHES
- c. FILLED CELLS: 8 INCHES
- d. OTHER CONCRETE: 4 INCHES
- 4. ALL CONCRETE SHALL BE PLACED IN THE DRY. NO CONCRETE SHALL BE PLACED LATER THAN 90 MINUTES AFTER MIXING HAS BEGUN. DEPOSIT CONCRETE IN ITS FINAL POSITION WITHOUT SEGREGATION AND REHANDLING.
- 5. REINFORCING STEEL BARS SHALL BE DEFORMED AND CONFORM TO THE LATEST REQUIREMENTS OF ASTM A615 GRADE 60, U.O.N.
- 6. REINFORCING BARS ARE CONTINUOUS UNLESS OTHERWISE NOTED. WHERE NECESSARY, MINIMUM LAP SPLICES FOR REINFORCING BARS SHALL BE 40 BAR DIAMETERS.
- 7. CONCRETE SLAB ON GRADE TO BE REINFORCED WITH 6X6 W2.9XW2.9 WELDED WIRE FABRIC.
- 8. ALL REINFORCING STEEL SHALL HAVE THE FOLLOWING MINIMUM CLEAR CONCRETE COVER:
- a. CAST AGAINST AND PERMANENTLY TO EARTH = 3 INCHES
- = 1 $\frac{1}{2}$ INCHES b. STIRRUPS IN BEAMS
- c. ALL OTHER CONDITIONS = 2 INCHES
- 9. AT DISCONTINUOUS ENDS OF BEAMS AND SLABS, TOP BARS SHALL TERMINATE IN A STANDARD ACI HOOK, UNLESS OTHERWISE NOTED.
- 10. AT OUTSIDE CORNERS OF CONCRETE BEAMS AND FOOTINGS PROVIDE #4x4'-0" LONG CORNER BARS IN EACH FACE AT SAME SPACING AS HORIZONTAL REINFORCING, U.O.N.
- 11. PROVIDE DOWELS IN FOOTINGS OF SAME QUANTITY AND SIZE AS VERTICAL WALL REINFORCING. BOTTOM DOWELS SHALL HAVE A STANDARD ACI HOOK.
- 12. CHAMFER ALL EXPOSED CONCRETE EDGES $\frac{3}{4}$ INCHES x 45 DEGREES.
- 13. PATCH ALL DEFECTIVE AREAS OF CONCRETE WITH CEMENT GROUT.

REINFORCED MASONRY

- 1. CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT WITH A NET AREA COMPRESSIVE STRENGTH OF fm=1500 PSI.
- 2. USE TYPE "M" OR "S" MORTAR IN ACCORDANCE WITH ASTM C260 FOR ALL MASONRY CONSTRUCTION.
- 3. ALL MASONRY WORKMANSHIP SHALL BE IN STRICT ACCORDANCE WITH CURRENT EDITIONS OF ACI 530.
- 4. PROVIDE CLEANOUT AT THE BOTTOM OF ALL CELLS TO BE FILLED WITH CONCRETE. CLOSE THE OPENING AFTER INSPECTION.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL MASONRY ELEMENTS ARE PROPERLY BRACED TO RESIST WIND, BACKFILLING, AND OTHER CONSTRUCTION OCCURRENCES. BRACING SHALL REMAIN IN PLACE UNTIL THE STRUCTURE IS COMPLETED.
- 6. SEE CONCRETE NOTES FOR FILLED CELL REQUIREMENTS

STRUCTURAL TIMBER

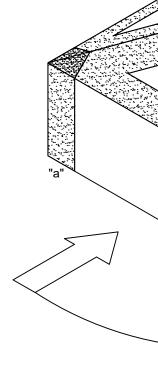
- 1. LOAD BEARING WALL FRAMING SHALL BE #2 SPRUCE PINE FIR (SPF) OR BETTER, 19% MOISTURE CONTENT, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
- 2. NON-BEARING FRAMING SHALL BE #3 SPRUCE PINE FIR (SPF) OR BETTER, 19% MOISTURE CONTENT.
- 3. TIMBER FRAMING NOTED AS PRESSURE TREATED, SHALL BE #2 SPF, AND TREATED IN ACCORDANCE WITH AWPA STANDARDS C1 AND C2
- 4. ALL EXTERIOR WOOD FRAMING SHALL BE PRESSURE TREATED.
- 5. TIMBER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS), 2001 EDITION WITH SUPPLEMENTS.
- 6. ALL SPECIFIED STEEL CONNECTION HARDWARE THAT IS NOT PRE-ENGINEERED SHALL BE HOT DIP GALVANIZED PER APPROPRIATE SPECIFICATIONS
- 7. ROOF SHEATHING SHALL CONSIST OF 7/16" INCH NOMINAL APA SPAN RATED. EXPOSURE I PLYWOOD OR ORIENTED STRAND BOARD (OSB) NAILED TO FRAMING AS SHOWN IN STRUCTURAL DETAILS. SHEATHING SHALL BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO FRAMING, AND STAGGERED ABOUT FRAMING.

PREFABRICATED WOOD TRUSSES

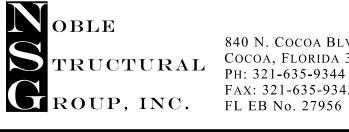
- 1. WOOD ROOF TRUSSES SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. SIGNED AND SEALED TRUSS CALCULATIONS AND DRAWINGS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO FABRICATION. DRAWINGS SHALL INCLUDE CRITICAL DIMENSIONS FOR DETERMINING FIT AND PLACEMENT. DESIGN LOADING CRITERIA IS SHOWN IN THE GENERAL NOTES ON THIS DRAWING.
- 2. ALL TRUSSES AND OTHER ROOF STRUCTURAL COMPONENTS SHALL BE FABRICATED IN A PROPERLY EQUIPPED MANUFACTURING FACILITY OF A PERMANENT NATURE. ALL TRUSSES SHALL BE FABRICATED UNDER STRICT RULES OF THE TRUSS PLATE INSTITUTE (T.P.I.)
- 3. TRUSSES SHALL BE HANDLED WITH CARE SO THAT THEY ARE NOT DAMAGED. HORIZONTAL BENDING SHALL BE KEPT OT A MINIMUM DURING ERECTION.
- 4. INSTALL ERECTION BRACING TO HOLD THE TRUSSES TRUE AND PLUMB DURING CONSTRUCTION.
- 5. TRUSS FRAMING HARDWARE NOT SHOWN ON THE DRAWINGS SHALL BE DESIGNED BY THE TRUSS ENGINEER. ALTERNATE CONNECTORS TO THOSE SHOWN ON THE DRAWINGS MAY BE SUBMITTED FOR APPROVAL.
- 6. TRUSSES SHALL BE FABRICATED FROM THE FOLLOWING MATERIALS: a. CHORDS SHALL BE A MINIMUM SIZE OF 2x4 AND SHALL BE #2 SOUTHERN YELLOW PINE OR BETTER.
- b. WEBS AND BRACING SHALL BE A MINIMUM SIZE OF 2x4 AND SHALL BE #3 SOUTHERN YELLOW PINE OR BETTER.
- c. TRUSS PLATES SHALL BE 20 GAGE MINIMUM WITH A MINIMUM YIELD OF 33000 PSI AND SHALL BE G60, COMMERCIAL CLASS HOT DIPPED GALVANIZED BEFORE STAMPING.
- 7. SEE TRUSS PLAN DRAWING IN THIS SET FOR OTHER TRUSS DESIGN INFORMATION.

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ZONE		
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- SURFACE.
- THIS TABLE. OF BUILDING EDGES OR CORNERS. ALL OTHER COMPONENTS SHALL USE TYPICAL PRESSURE VALUES.



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ROOF - ENCLOSED BUILDING

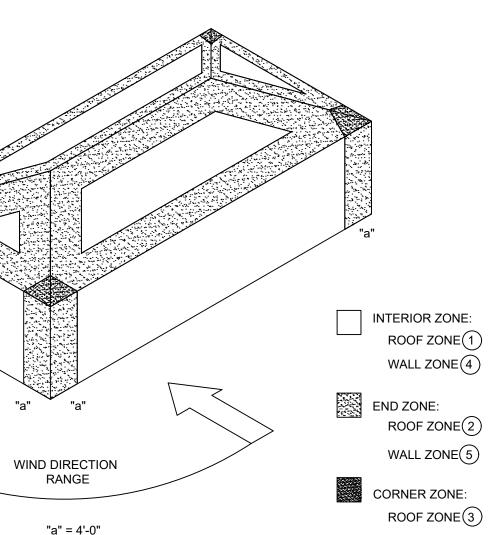
PRESSURE (PSF)

+13.9	OR	-22.2
+13.9	OR	-38.69
+13.9	OR	-38.69

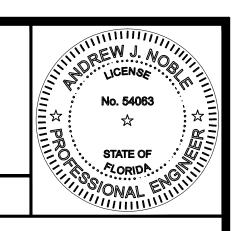
WALLS - ENCLOSED BUILDING

PRESSURE (PSF)
+24.29 OR -26.34
+24.29 OR -32.52

VALUES SHOWN FOR TABLES ABOVE ARE BASED ON NOMINAL WIND SPEED (ASD) 2. POSITIVE VALUES ACT TOWARD THE SURFACE, NEGATIVE VALUES ACT AWAY FROM THE 3. MANUFACTURING DATA FOR COMPONENTS AND CLADDING SHALL EXCEED THE VALUES SHOWN IN 4. EDGE PRESSURES NOTED SHALL BE USED FOR COMPONENTS THAT ARE LOCATED WITHIN 4 FEET



COMPONENTS & CLADDING WIND DIAGRAM ILLUSTRATIVE FIGURE ONLY N.T.S. ROOF AND WALL CONFIGURATION MAY VARY





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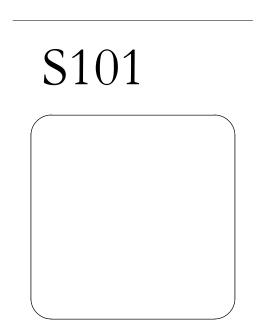
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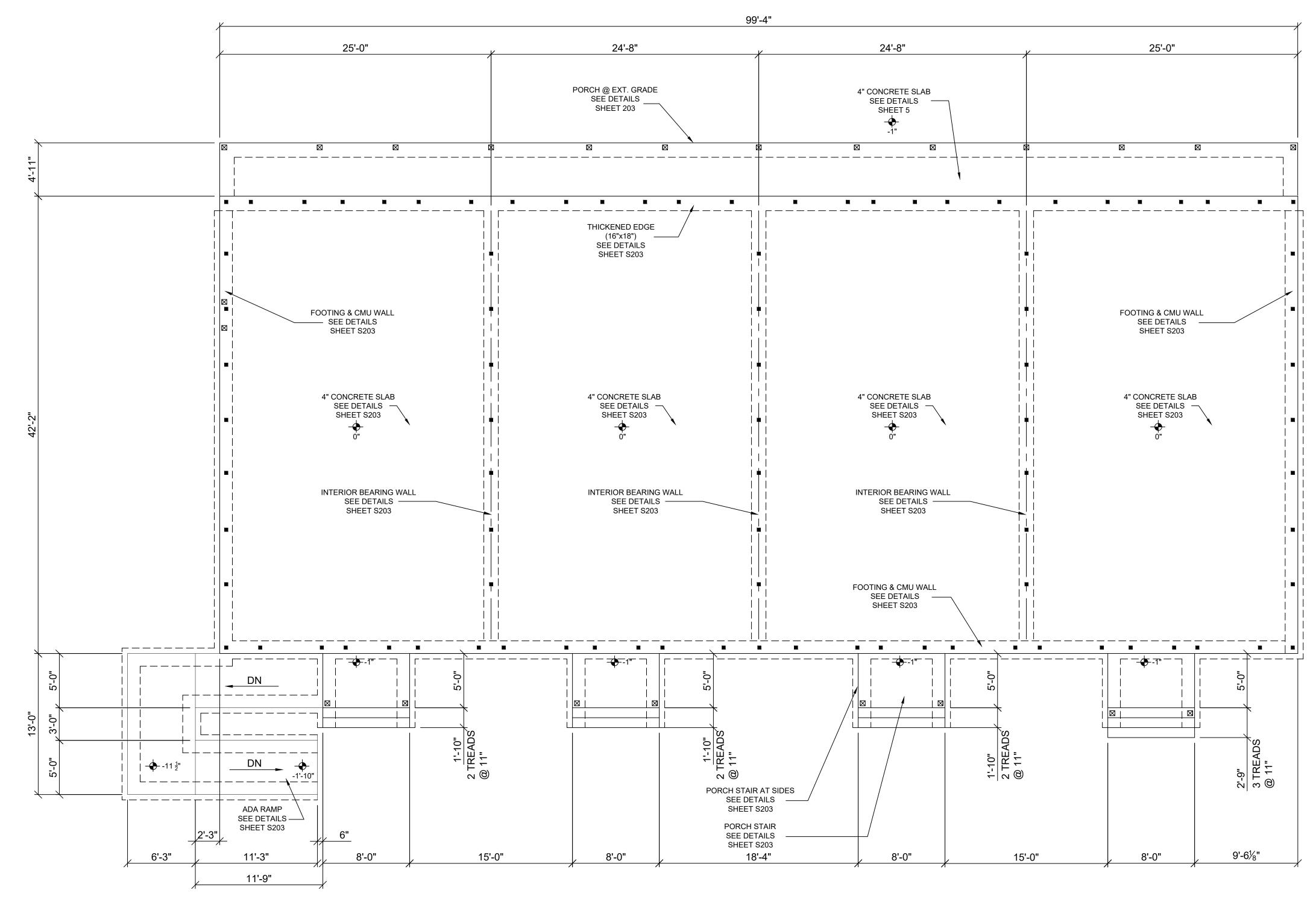
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Description	Date

STRUCTURAL GENERAL NOTES

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REVISION:	-
SCALE	-





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FOUNDATION PHASE 1 PLAN

SCALE: 3/16" = 1'-0"



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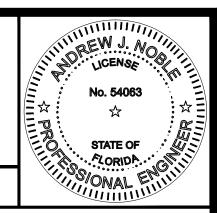
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 FL EB No. 27956





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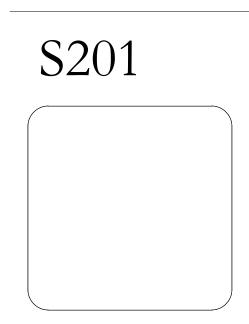
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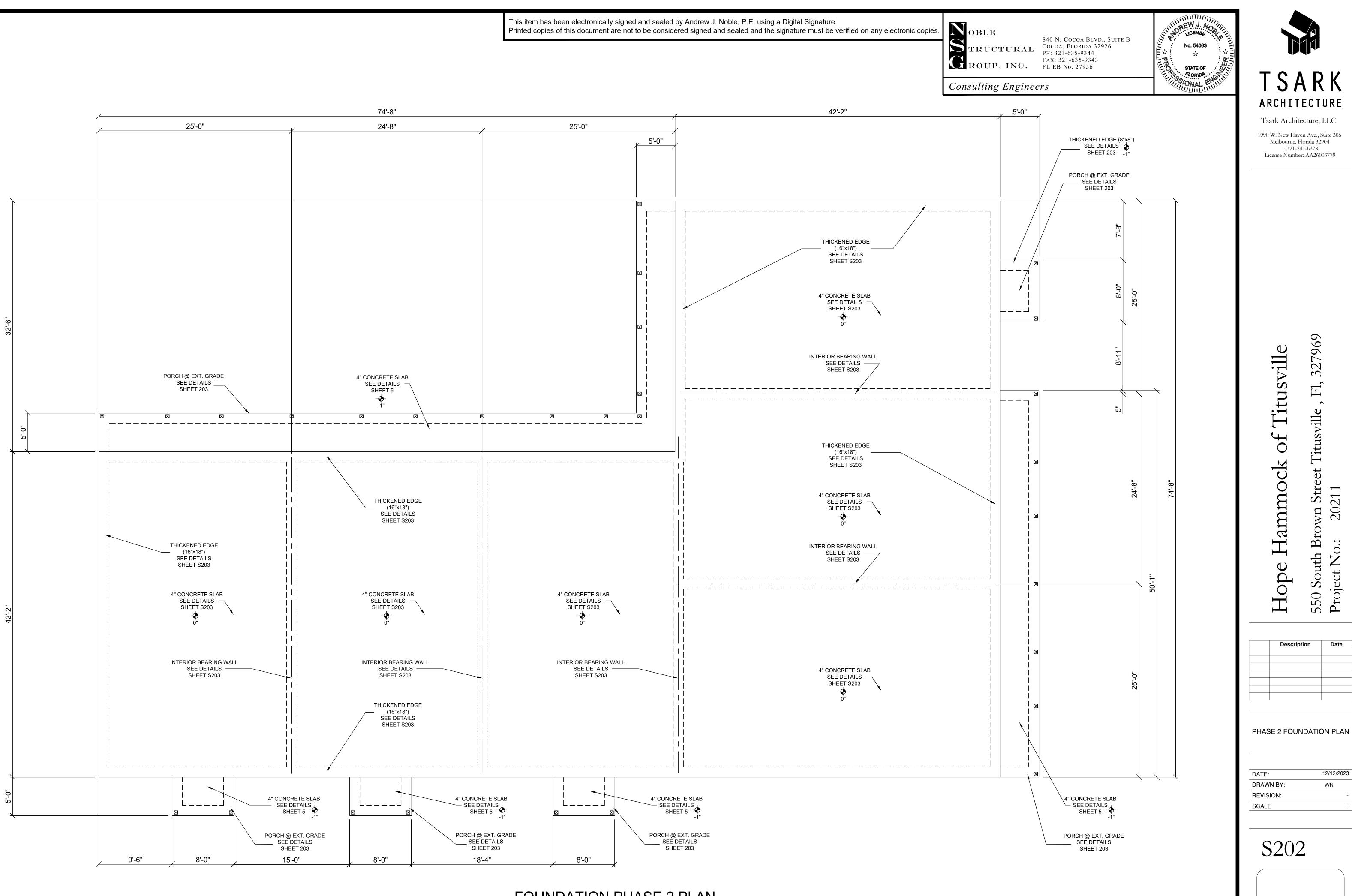
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PHASE 1 FOUNDATION PLAN

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REVISION:	-
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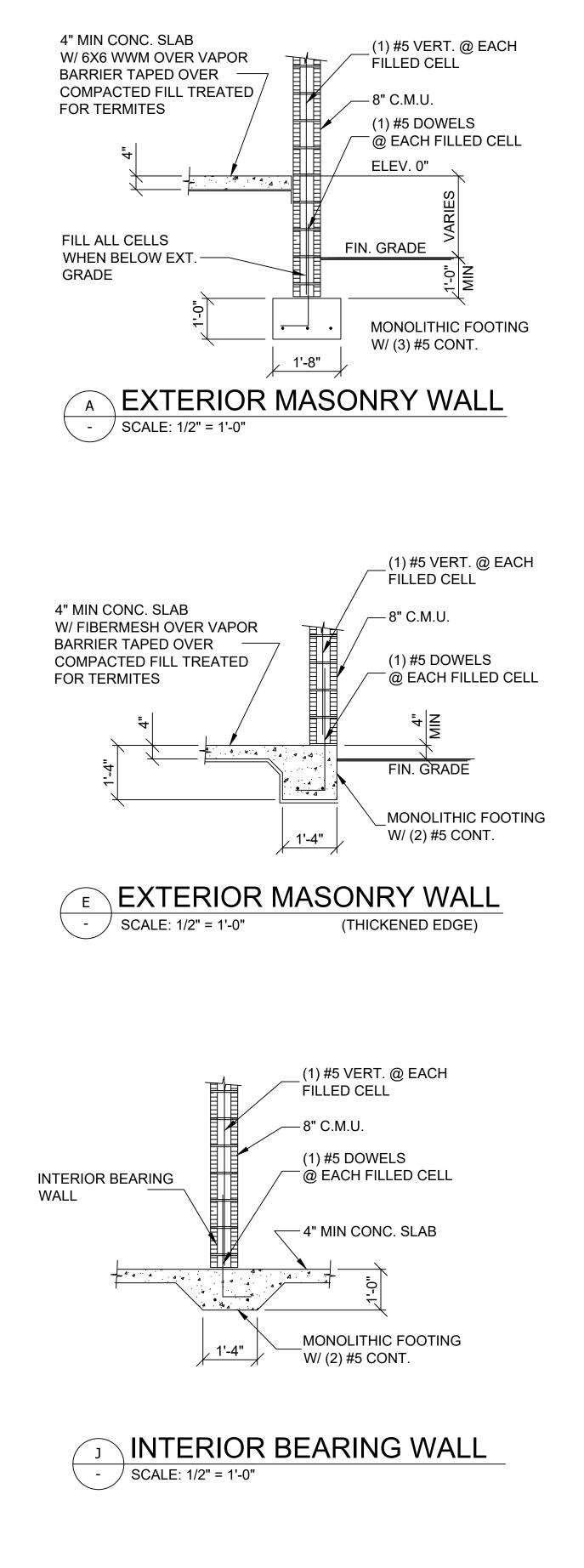
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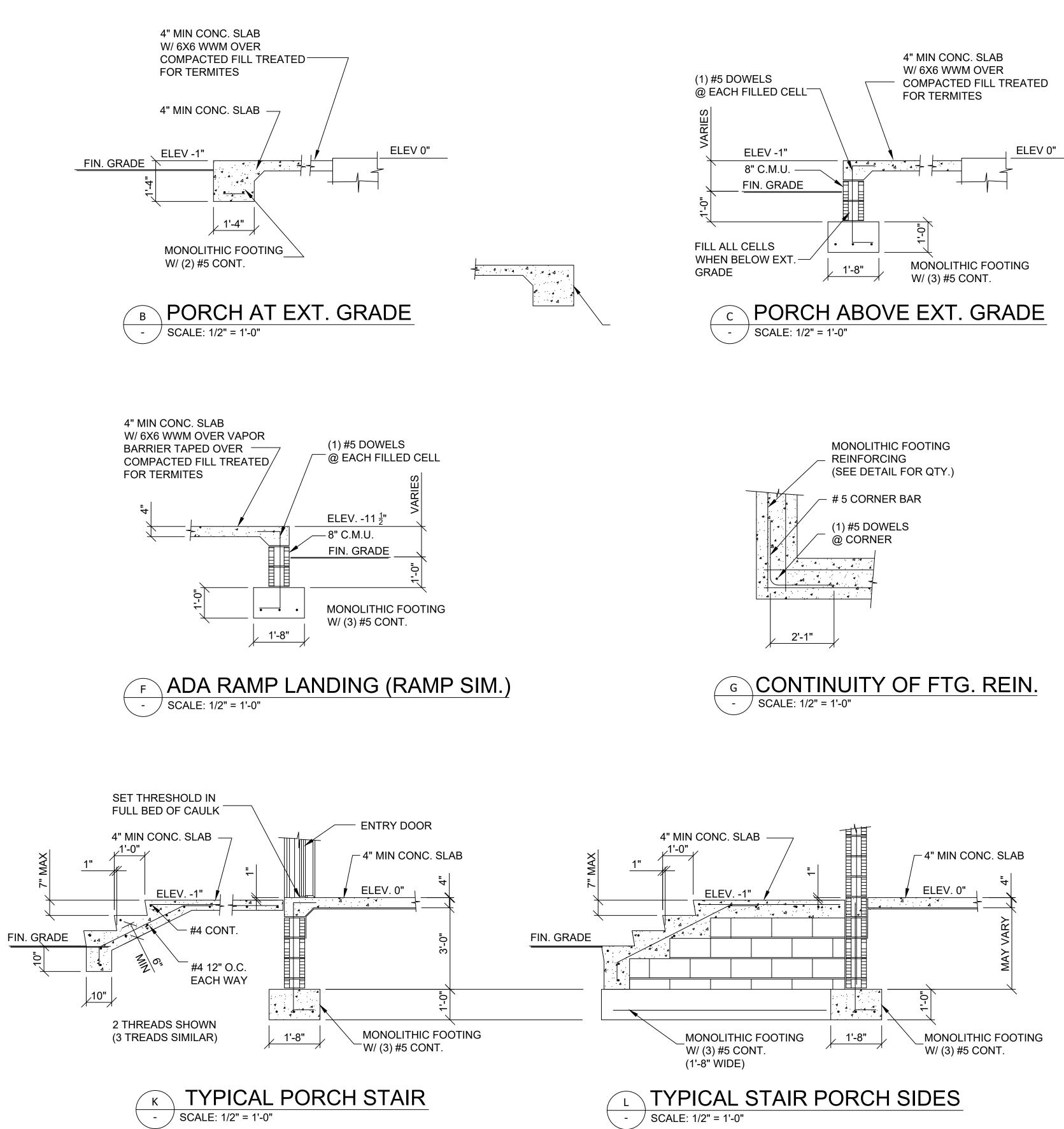
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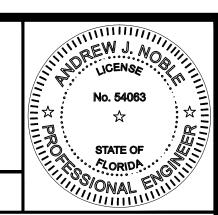
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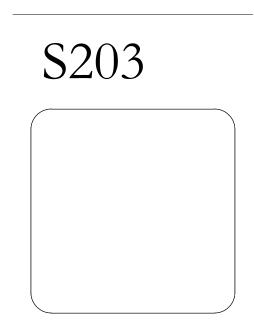
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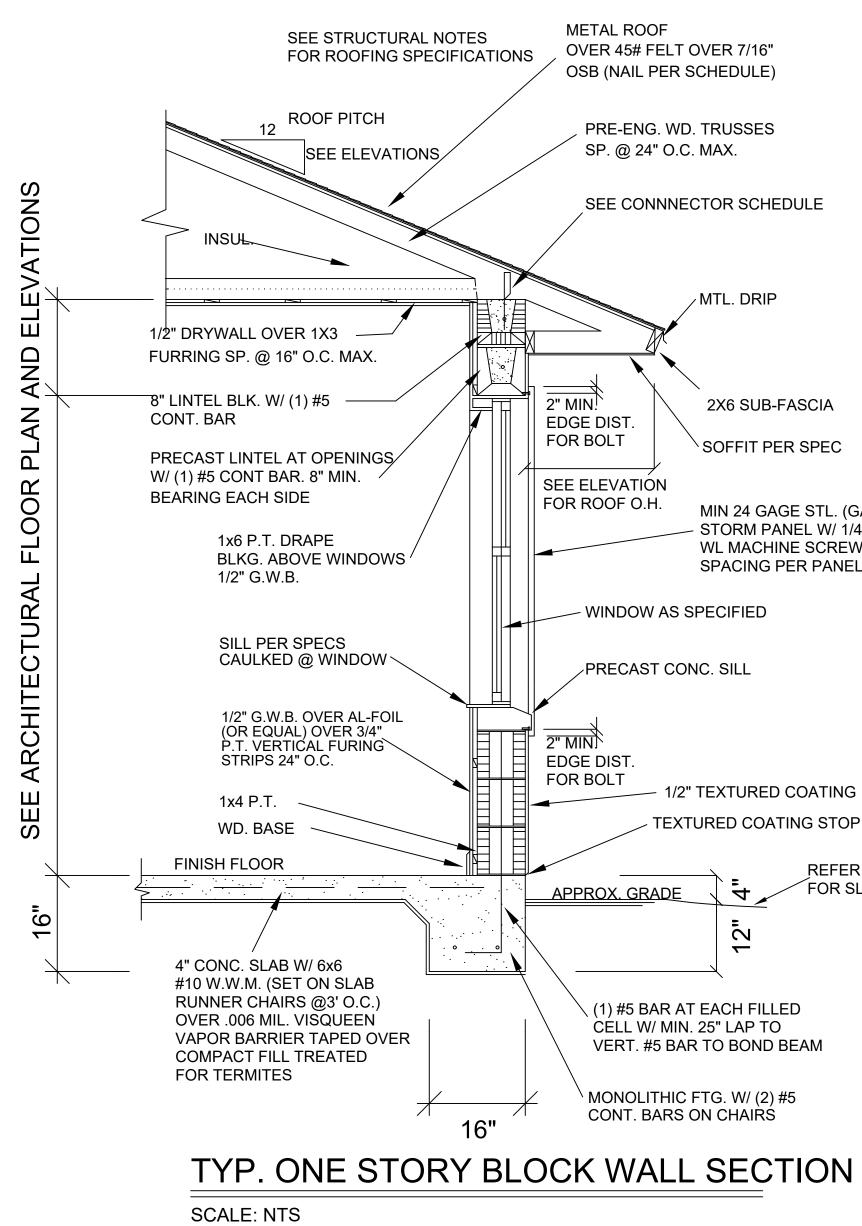
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SCALE	-





MONOLITHIC FTG. W/ (2) #5 CONT. BARS ON CHAIRS

VERT. #5 BAR TO BOND BEAM

CELL W/ MIN. 25" LAP TO

(1) #5 BAR AT EACH FILLED

 \sim

REFER TO SITE PLAN FOR SLOPE CONFIGURATION 4

1/2" TEXTURED COATING TEXTURED COATING STOP MIN. 4" ABOVE GRADE

PRECAST CONC. SILL

MIN 24 GAGE STL. (GALV.) (.031" MIN. THK.) STORM PANEL W/ 1/4-20x7/8", 1/2" DIA. FLOOR PLUG WL MACHINE SCREW ANCHOR 7/8" MIN. EMBEDMENT SPACING PER PANEL MFG. (SEE SHUTTER SPAN TABLE)

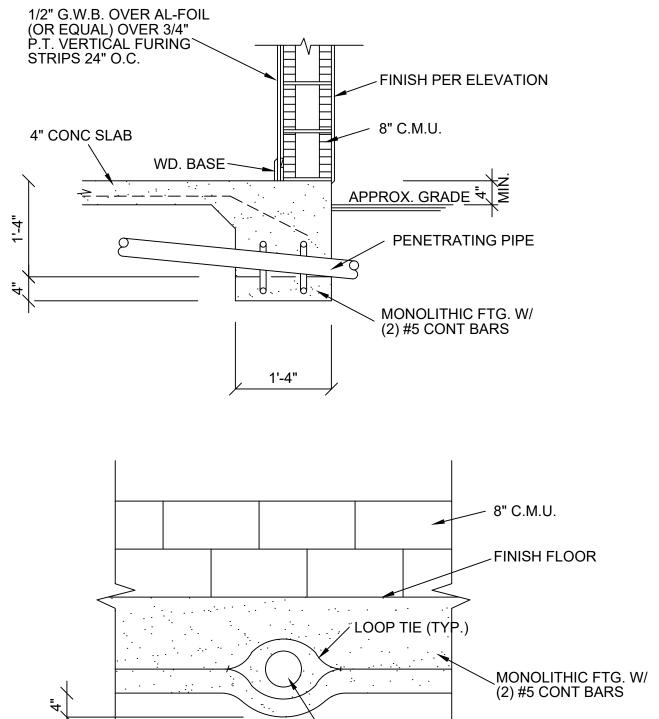
2X6 SUB-FASCIA [\]SOFFIT PER SPEC

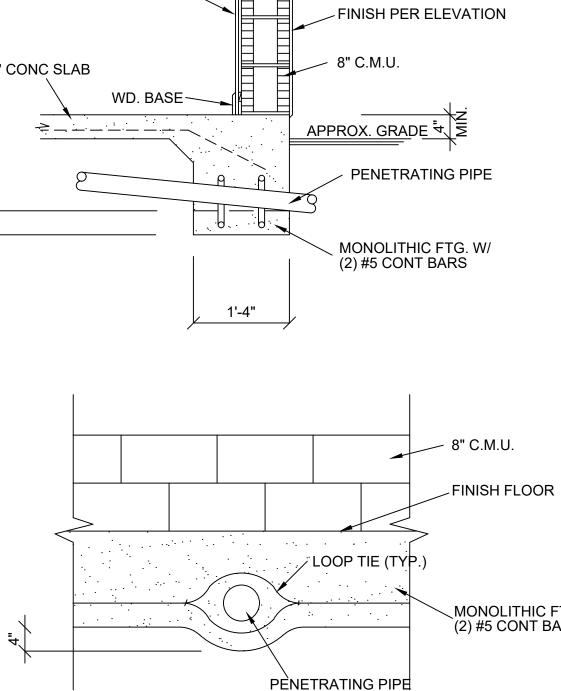
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PRE-ENG. WD. TRUSSES SP. @ 24" O.C. MAX. SEE CONNNECTOR SCHEDULE

OVER 45# FELT OVER 7/16" OSB (NAIL PER SCHEDULE)

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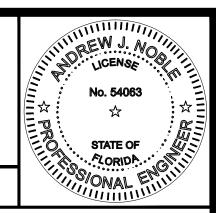


PIPE PENETRATION DETAIL SCALE: 1/2"=1'-0"

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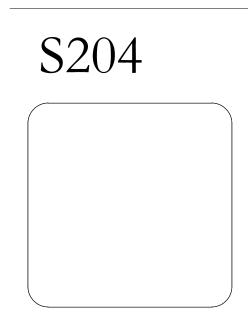
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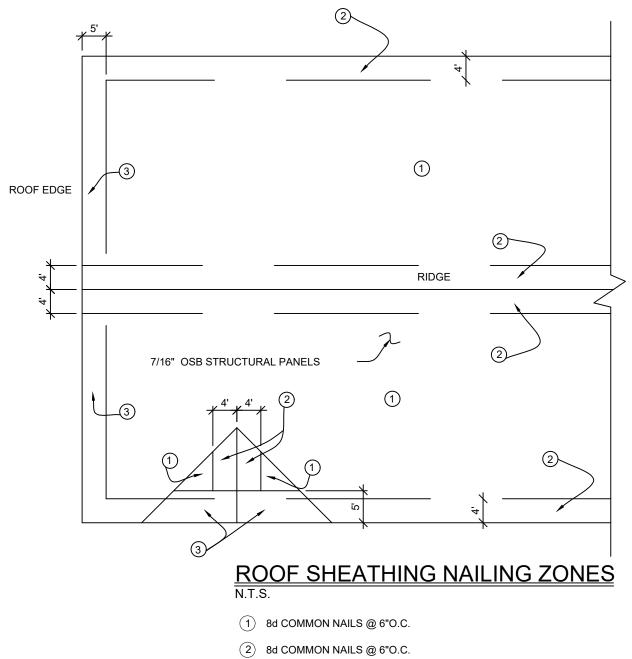
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PÈNETRATING PIPE

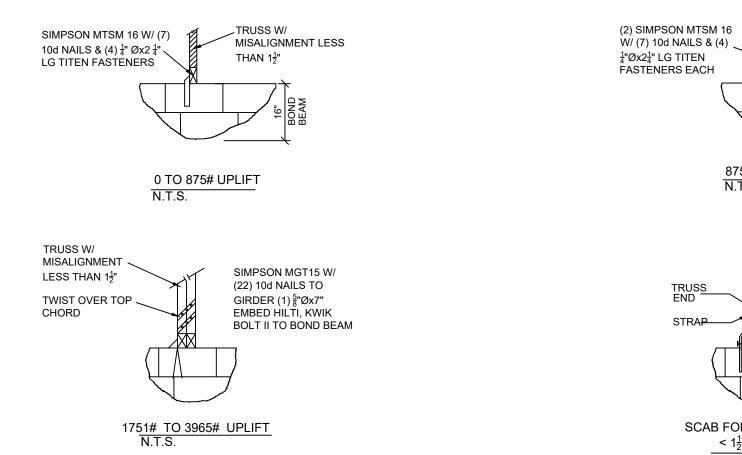
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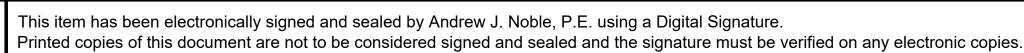


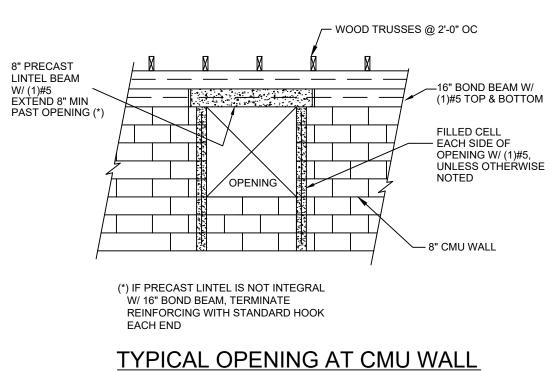


(3) 8d COMMON NAILS @ 6"O.C.



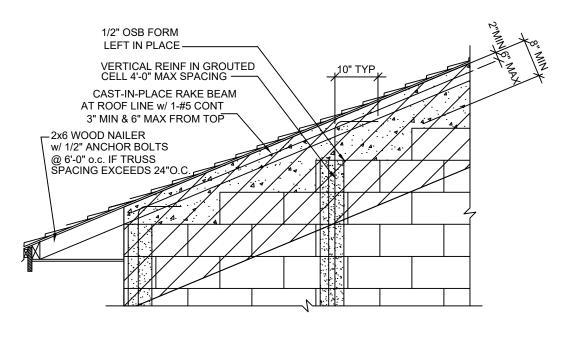
MISALIGNED OR OMITTED TRUSS REPAIR DETAILS N.T.S.





N.T.S.

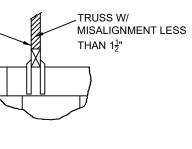
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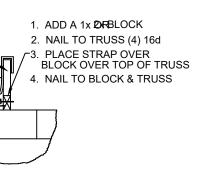
CONTINUOUS DEMISING WALL REINFORCEMENT SCALE: 1/2"=1'-0"



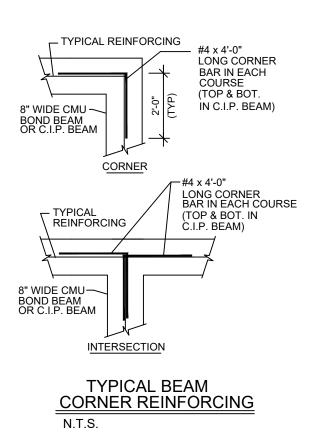




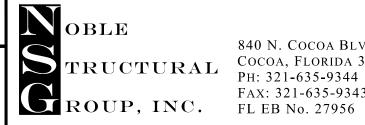
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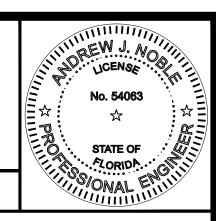






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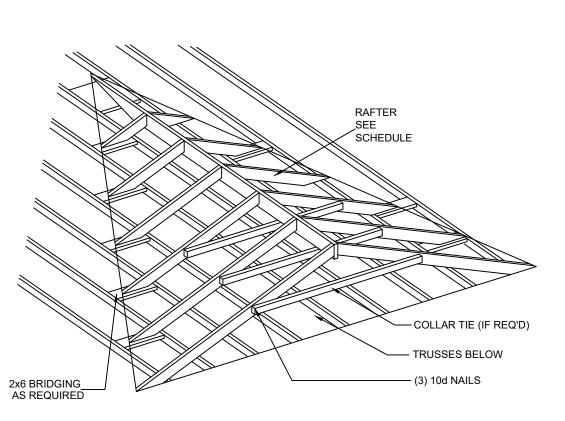
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VALLEY FRAMING DETAIL SCALE: 1/2"=1'-0"

1. ALL VALLEY FRAMING RAFTERS SHALL BE SPACED AT 24 INCH MAXIMUM CENTERS AND SHALL BE SIZED AS SHOWN IN THE SCHEDULE BELOW. 2. RAFTERS WITH THE LENGTHS OF 10'-0" TO 18'-0" REQUIRE A 2x4 COLLAR TIE AT MID-SPAN, RAFTER LENGTHS GREATER THAN 18'-0" ARE NOT PERMITTED. 3. RIDGE BOARD SHALL BE 2x (DEPTH OF DEEPEST RAFTER IN VALLEY SET). **VALLEY RAFTERS LESS THAN 7'-0" MAY BE 2X4's

RAFTER SPAN	MEMBER SIZE	ATTACHMENT TO RIDGE
0'-0" to 4'-0"	2x6	2 16d TOE NAILS
4'-1" to 10'-0"	2x6	4 16d TOE NAILS
10'-1" to 13'-6"	2x8	2 16d TOE NAILS & 1 SIMPSON H5 OR EQUIVALENT
13'-7" to 18'-0"	(2) 2x8	2 16d TOE NAILS & 2 SIMPSON H5 OR EQUIVALENT

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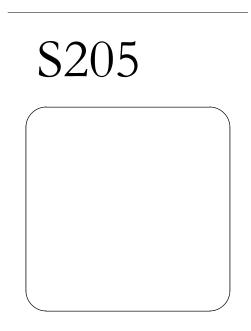
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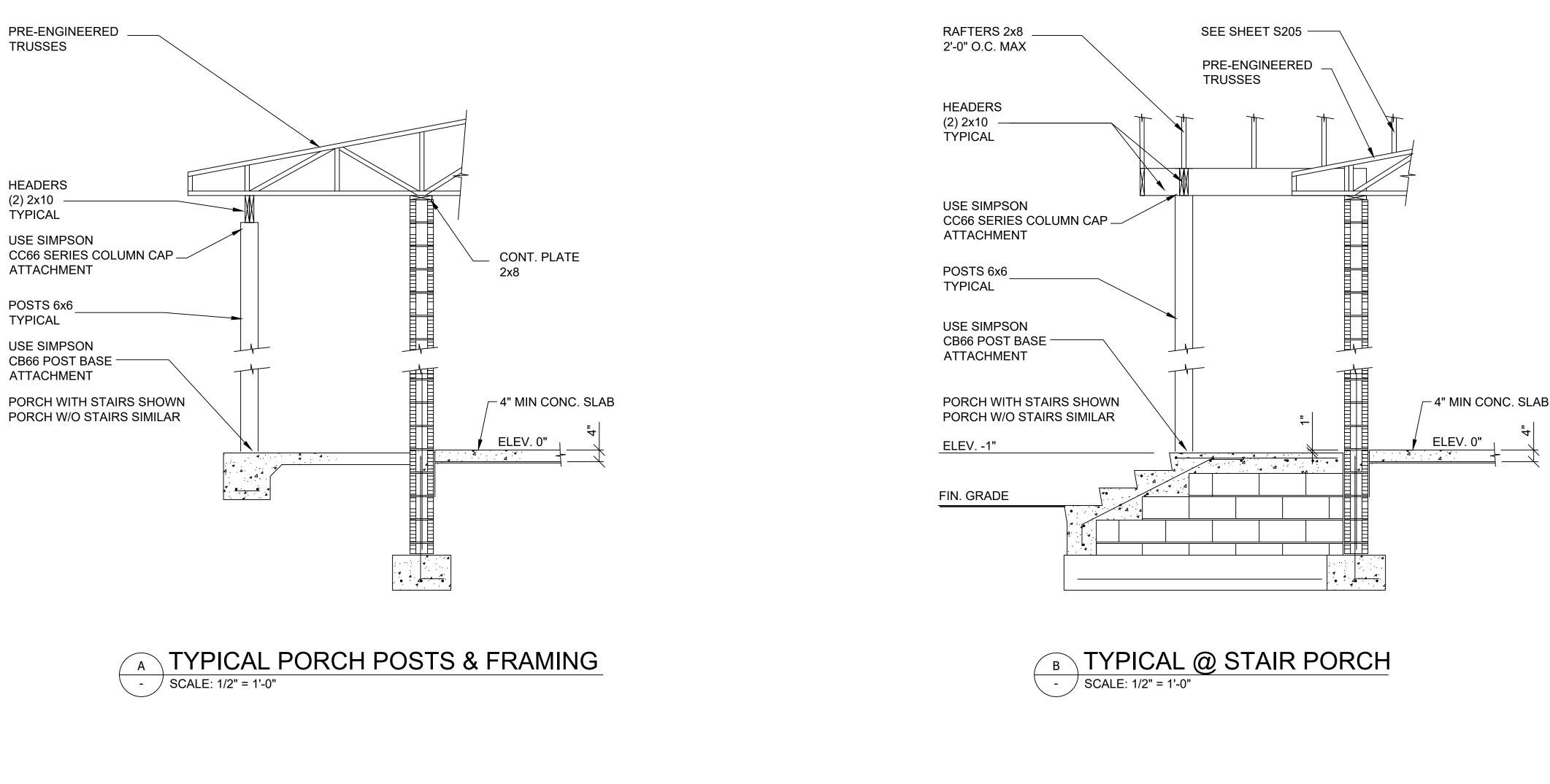
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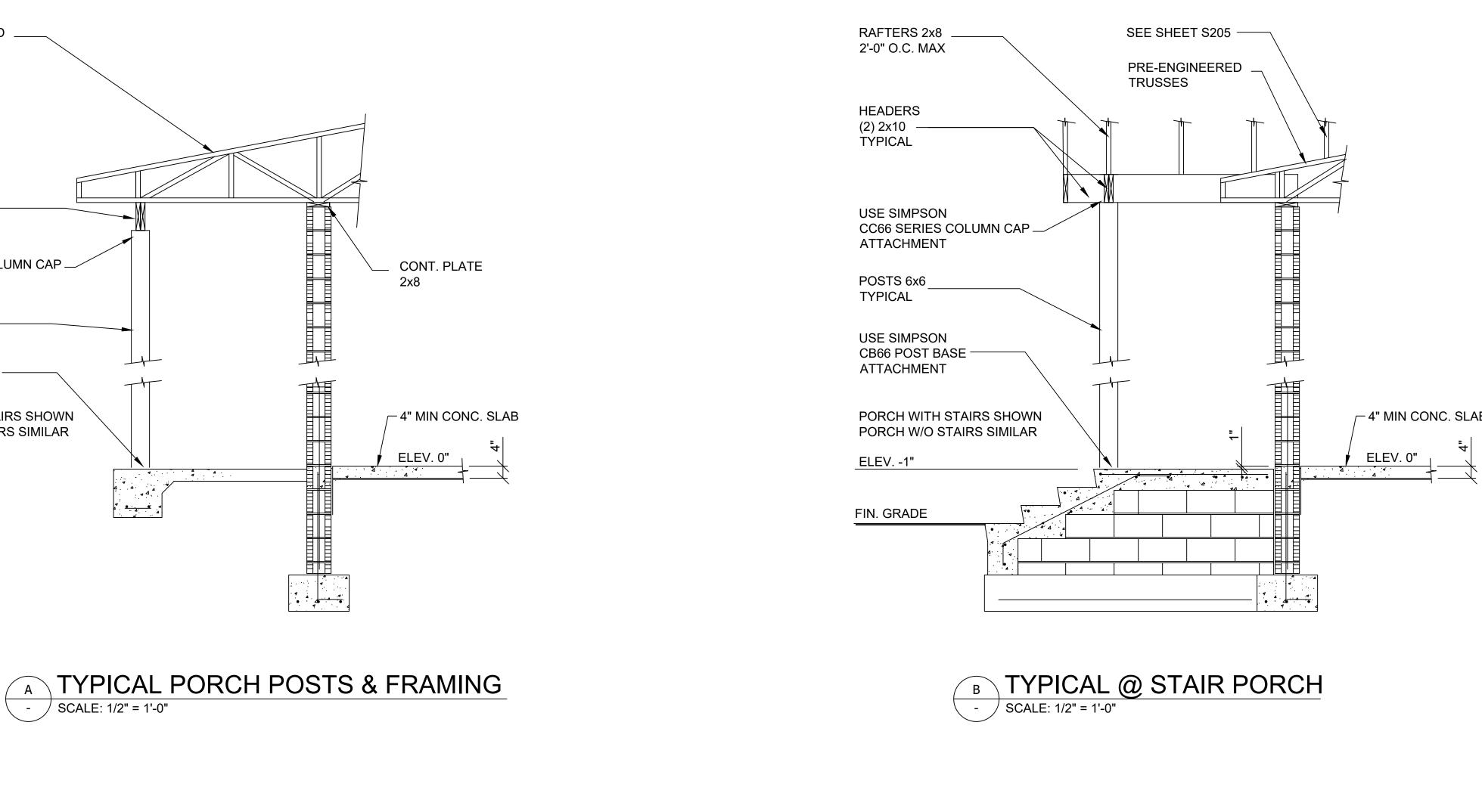
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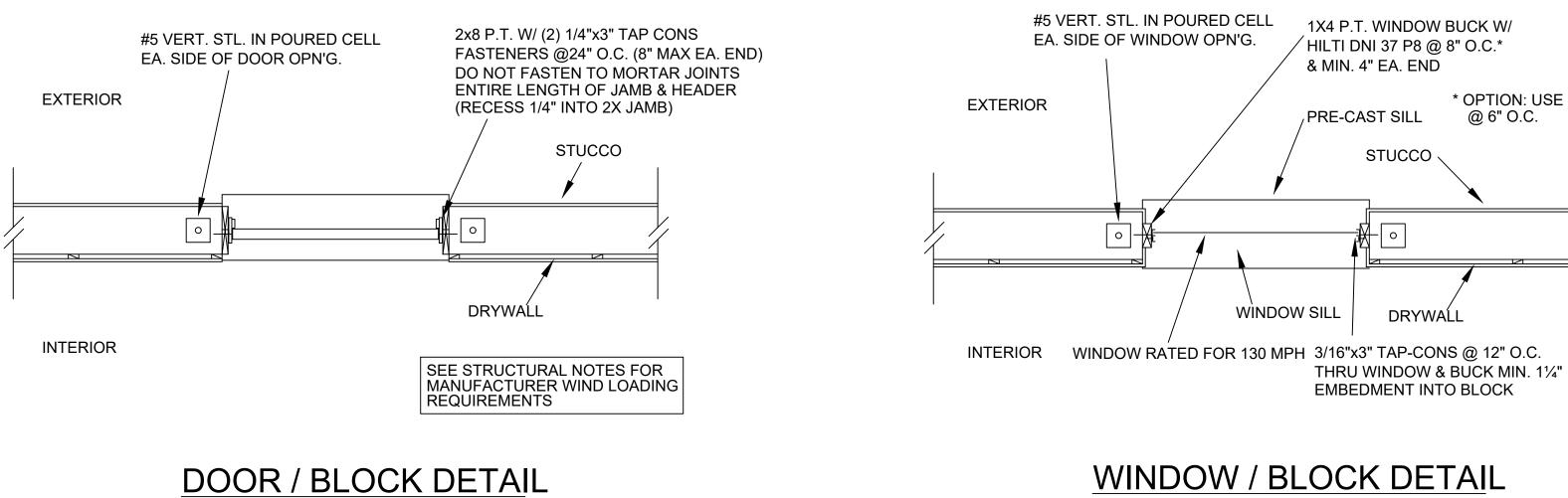
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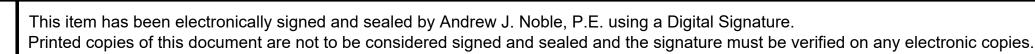










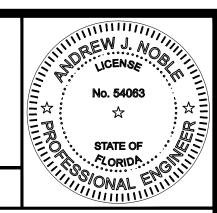






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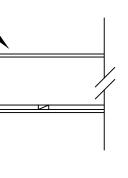




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* OPTION: USE "T" NAILS @ 6" O.C.



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SCALE: 1/2"=1'-0"

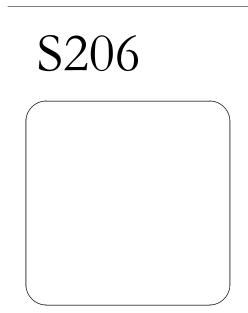
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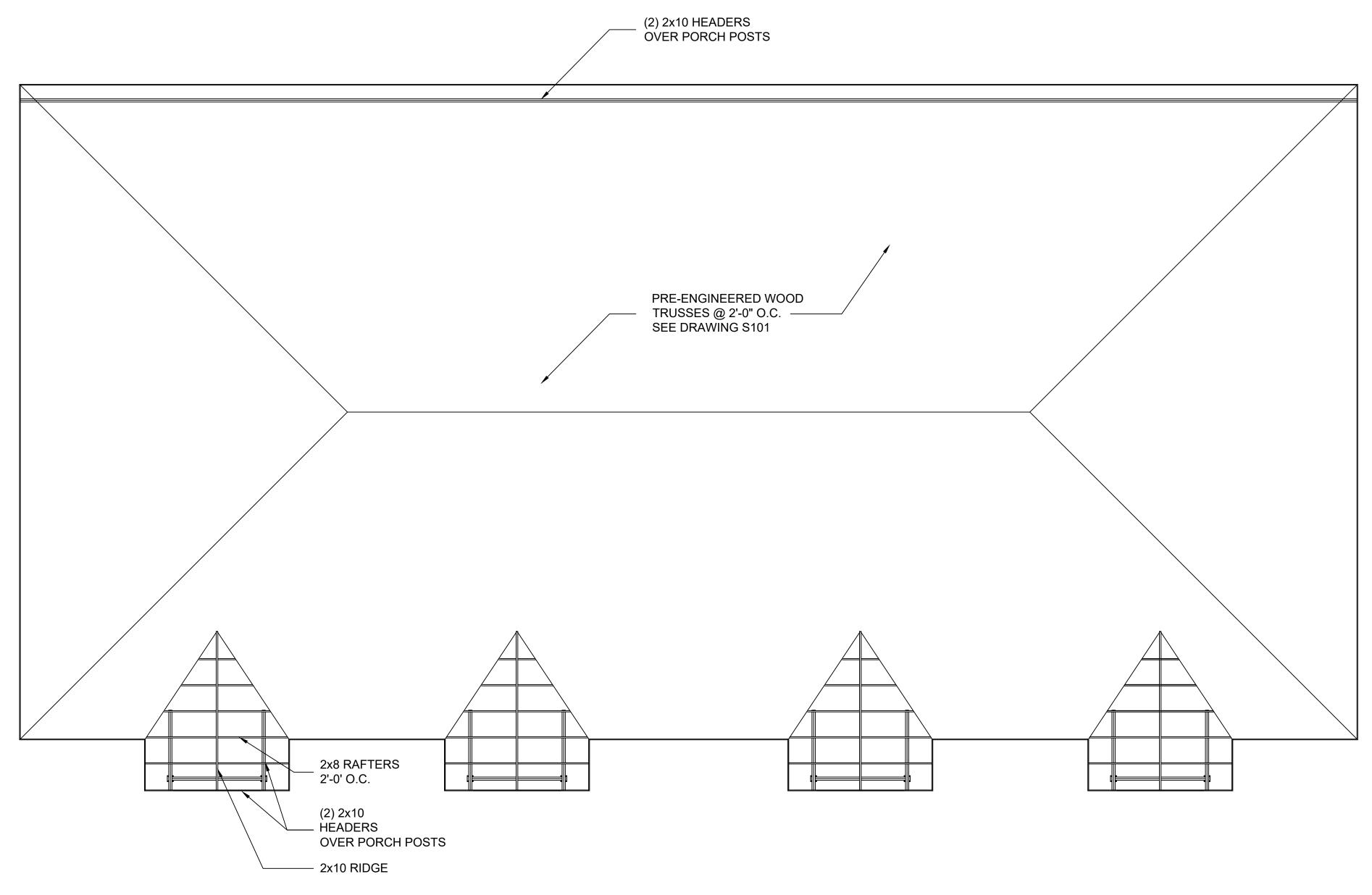
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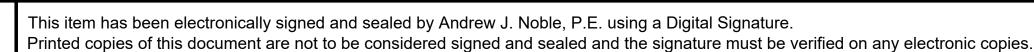
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SCALE: 3/16" = 1'-0"



TRUSS CONNECTOR NOTE

TRUSS TO MASONRY CONNECTORS WITH NO IDENTIFYING MARK ARE TYPE "A" IN TRUSS CONNECTOR SCHEDULE.

2. TRUSS TO WOOD FRAME CONNECTIONS WITH NO IDENTIFYING MARK ARE TYPE "F" IN THE TRUSS CONNECTOR SCHEDULE.

UPLIFT MARK CAPACITY CONN SIMPSO (A) 1450 (2) SIMP 1985 (\mathbf{B}) SIMPSO (C) 2480 SIMPSO (D) 4940 (2) SIMP (E) 7185 USP HTS USP SPH F 1000 USP SPH 1/2" ANC (2) USP USP SPI G 1556 USP SPH 1/2" ANC (2) USP (2) USP (\mathbf{H}) 2900 (2) USP 1/2" ANC SIMPSO J 3610 SIMPSO SIMPSO (H1) SIMPSO 1550 SIMPSO (H2) 1550 (H3) 2000 SIMPSO (H4) SIMPSO 3295 (H5) SIMPSO 1135 3375 SIMPSO (H6) (H7) 2715 SIMPSO SIMPSO 6710 **C1** SIMPSO 5680

NOTES

- MANUFACTURER.

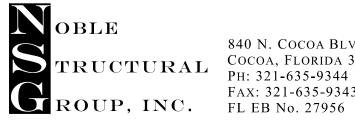
- OMITTED TRUSS CONNECTORS.
- **BEEN INCREASED BY 33%**

WOOD TRUSS BRACING NOTES.

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- a. b.
- c. LAP CLB, WHERE REQUIRED, 2'-0" MINIMUM.

ROOF TRUSS LAYOUT PHASE 1 PLAN



840 N. COCOA BLVD., SUITE B COCOA, FLORIDA 32926 Рн: 321-635-9344 FAX: 321-635-9343

Consulting Engineers

TRUSS CONNECTOR SCHEDULE

NECTOR TYPE	FRAMING LOCATION
ON META 20 W/ (8) 10D	TRUSS TO BOND BEAM
PSON META 20 W/(10) 10D EACH	TRUSS TO BOND BEAM
ON DETAL 20 W/(9) 10D	TRUSS TO BOND BEAM
ON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM
PSON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM
FS12 W/ (14) 10D	TRUSS TO TOP PLATE
PH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD
PH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE
CHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
9 HTS12 W/ (14) 10D	TRUSS TO TOP PLATE
PH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD
PH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE
CHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
P HTS12 W/ (20) 10D	TRUSS TO TOP PLATE
P HTS12 W/ (20) 10D	TOP PLATE TO STUD
P HTS12 W/ (20) 10D	STUD TO BOTTOM PLATE
CHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION
ON HTT4 (PER MFG INSTALLATION)	TRUSS TO TOP PLATE
ON HTT4 (PER MFG INSTALLATION)	TOP PLATE TO (2) STUDS MIN
ON HTT4 (PER MFG INSTALLATION)	STUDS TO BOTTOM PLATE
ON HUS 26 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER
ON HUS 26-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER
ON HUS 28-2 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER
ON HUS 210-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER
ON HUC 410 (PER MFG INSTALLATION)	WOOD HEADER TO CMU
ON MBHA (PER MFG INSTALLATION)	WOOD HEADER TO CMU
ON MBHU3.56/16KT (PER MFG INST.)	LVL TO CMU
ON CB SERIES (PER MFG INSTALLATION)	WOOD POST BASE
ON CC SERIES (PER MFG INSTALLATION)	WOOD POST CAP

1. CONNECTORS OF EQUAL CAPACITY AND FUNCTION MAY BE SUBSTITUTED FOR THOSE SHOWN IN SCHEDULE 2. WORK THIS SCHEDULE WITH A SIGNED AND SEALED TRUSS DESIGN PACKAGE PROVIDED BY THE TRUSS

3. ALL CONNECTION HARDWARE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

4. TRUSS TO TRUSS CONNECTIONS SHALL BE DESIGNED BY, AND SUPPLIED BY THE TRUSS MANUFACTURER. 5. (1) 2X PLY OF BLOCKING MAY BE USED FOR SHIMMING PURPOSES WHERE REQUIRED BY CONNECTOR WIDTH 6. SEE STRUCTURAL DETAIL SHEET IN PROJECT DRAWING SET FOR REMEDIAL DETAILS FOR MISALIGNED OR

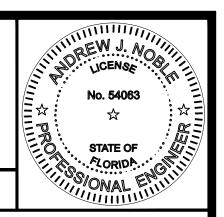
7. CAPACITY REPRESENTS THE MANUFACTURER'S LOAD RATING FOR THE CONNECTOR. THIS VALUE HAS NOT

1. TEMPORARY BRACING OF PRE-ENGINEERED TRUSSES IS THE RESPONSIBILITY OF THE TRUSS ERECTOR AND SHALL BE IN ACCORDANCE WITH HIB-91 BY THE TRUSS PLATE INSTITUTE.

2. PERMANENT BRACING SHALL BE PLACED AT LOCATIONS REQUIRED ON THE TRUSS SHOP DRAWINGS, NOT TO EXCEED 20'-0" AND SHALL MEET THE FOLLOWING MINIMUM CRITERIA:

1X4 CONTINUOUS LATERAL BRACING (CLB) PLACED FLAT AGAINST THE TRUSS MEMBER IT IS BRACING (2) 16D NAILS AT EACH INTERSECTION BETWEEN CLB AND TRUSS MEMBER

3. ALL PERMANENT BRACING MUST BE IN PLACE PRIOR TO APPLICATION OF TRUSS DESIGN LOADS. 4. PROVIDE X-BRACING AT THE ENDS OF BRACING LINES.





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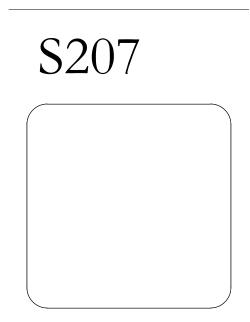
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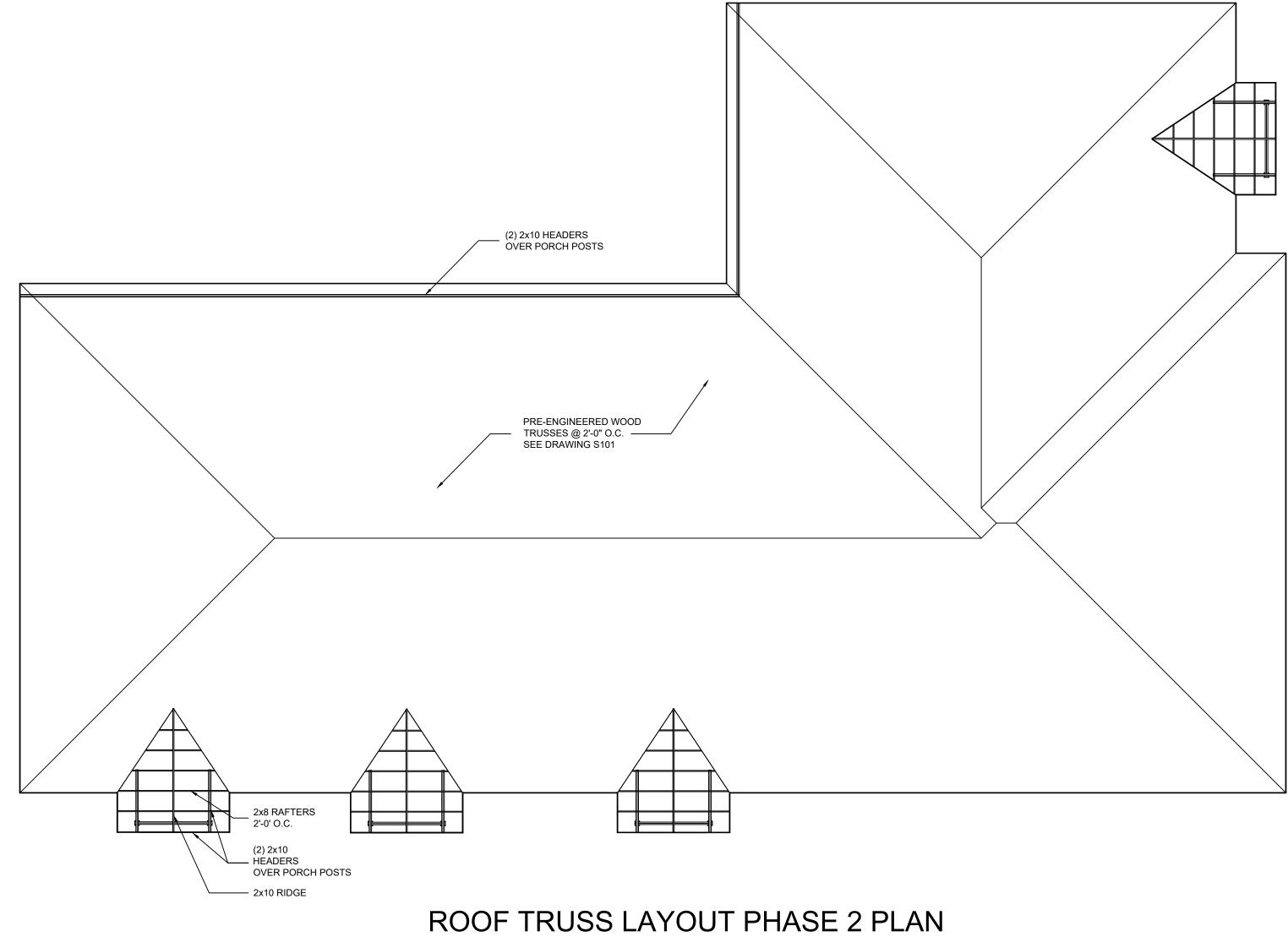
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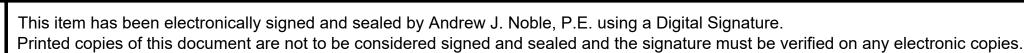
ROOF TRUSS LAYOUT PHASE 1

DATE:	12/12/2023
DRAWN BY:	WN
REVISION:	-
SCALE	-





SCALE: 1/8" = 1'-0"



TRUSS CONNECTOR NOTE

TRUSS TO MASONRY CONNECTORS WITH NO IDENTIFYING MARK ARE TYPE "A" IN TRUSS CONNECTOR SCHEDULE.

2. TRUSS TO WOOD FRAME CONNECTIONS WITH NO IDENTIFYING MARK ARE TYPE "F" IN THE TRUSS CONNECTOR SCHEDULE.

			TRUSS CONNECTOR SCHEDULE			
	UPLIFT CAPACITY	CONNECTOR TYPE	FRAMING LOCATION			
A	1450	SIMPSON META 20 W/ (8) 10D	TRUSS TO BOND BEAM			
B	1985	(2) SIMPSON META 20 W/(10) 10D EACH	TRUSS TO BOND BEAM			
С	2480	SIMPSON DETAL 20 W/(9) 10D	TRUSS TO BOND BEAM			
D	4940	SIMPSON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM			
E	7185	(2) SIMPSON VGT (PER MFG INSTALLATION)	TWO PLY MIN GIRDER TO BOND BEAM			
		USP HTS12 W/ (14) 10D	TRUSS TO TOP PLATE			
	1000	USP SPH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD			
(F)	1000	USP SPH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE			
		1/2" ANCHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION			
		(2) USP HTS12 W/ (14) 10D	TRUSS TO TOP PLATE			
	1556	USP SPH4 W/ (12) 10D X 1-1/2	TOP PLATE TO STUD			
G	1556	USP SPH4 W/ (12) 10D X 1-1/2	STUD TO BOTTOM PLATE			
		1/2" ANCHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION			
		(2) USP HTS12 W/ (20) 10D	TRUSS TO TOP PLATE			
(H)	2900	(2) USP HTS12 W/ (20) 10D	TOP PLATE TO STUD			
	2900	(2) USP HTS12 W/ (20) 10D	STUD TO BOTTOM PLATE			
		1/2" ANCHOR BOLT @ 32" OC	BOTTOM PLATE TO FOUNDATION			
		SIMPSON HTT4 (PER MFG INSTALLATION)	TRUSS TO TOP PLATE			
	3610	SIMPSON HTT4 (PER MFG INSTALLATION)	TOP PLATE TO (2) STUDS MIN			
		SIMPSON HTT4 (PER MFG INSTALLATION)	STUDS TO BOTTOM PLATE			
(H1)	1550	SIMPSON HUS 26 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER			
H2	1550	SIMPSON HUS 26-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER			
H3	2000	SIMPSON HUS 28-2 (PER MFG INSTALLATION)	ONE PLY TRUSS TO LEDGER OR GIRDER			
H4	3295	SIMPSON HUS 210-2 (PER MFG INSTALLATION)	TWO PLY TRUSS TO LEDGER OR GIRDER			
(H5)	1135	SIMPSON HUC 410 (PER MFG INSTALLATION)	WOOD HEADER TO CMU			
H6	3375	SIMPSON MBHA (PER MFG INSTALLATION)	WOOD HEADER TO CMU			
(H7)	2715	SIMPSON MBHU3.56/16KT (PER MFG INST.)	LVL TO CMU			
©1 –	6710	SIMPSON CB SERIES (PER MFG INSTALLATION)	WOOD POST BASE			
	5680	SIMPSON CC SERIES (PER MFG INSTALLATION)	WOOD POST CAP			

NOTES

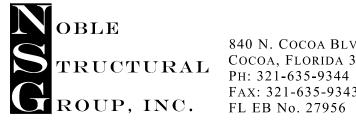
- MANUFACTURER.
- SPECIFICATIONS AND RECOMMENDATIONS.

- OMITTED TRUSS CONNECTORS.
- BEEN INCREASED BY 33%

WOOD TRUSS BRACING NOTES.

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- a.
- b. c. LAP CLB, WHERE REQUIRED, 2'-0" MINIMUM.



840 N. COCOA BLVD., SUITE B Cocoa, Florida 32926 Ph: 321-635-9344 FAX: 321-635-9343

Consulting Engineers

TRUSS CONNECTOR SCHEDULE

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Description	Date

ROOF TRUSS LAYOUT PHASE 2

DATE:	12/12/2023
DRAWN BY:	WN
REVISION:	-
SCALE	-

