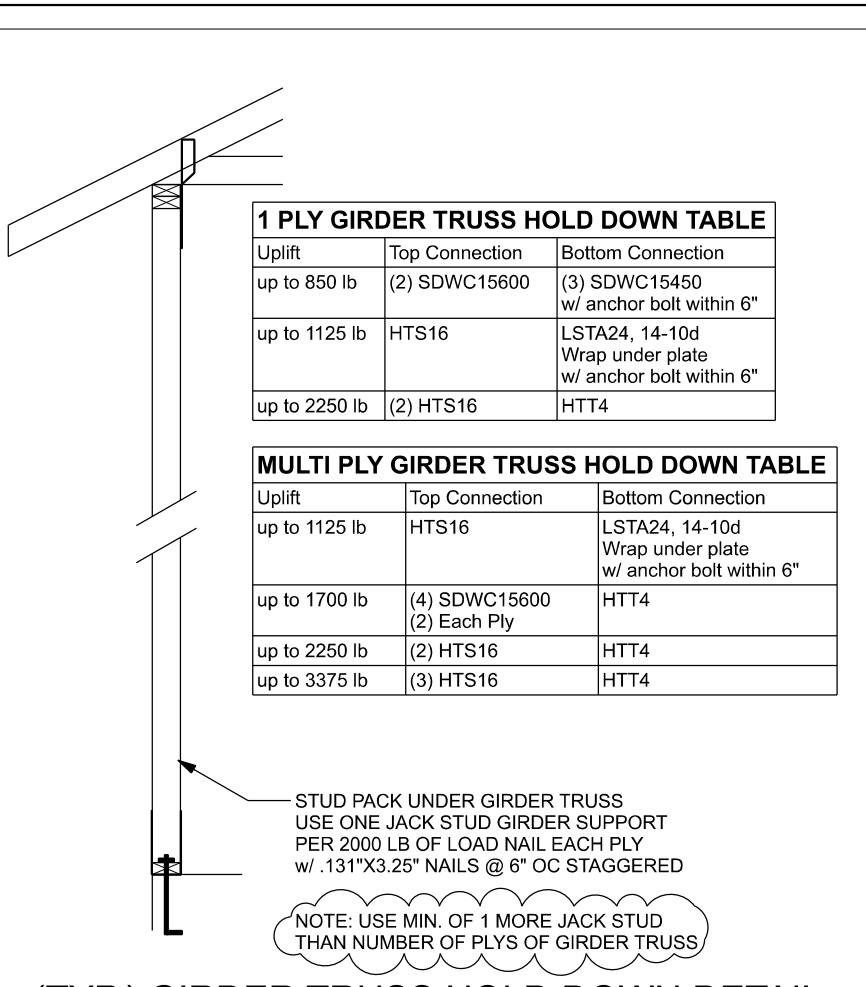
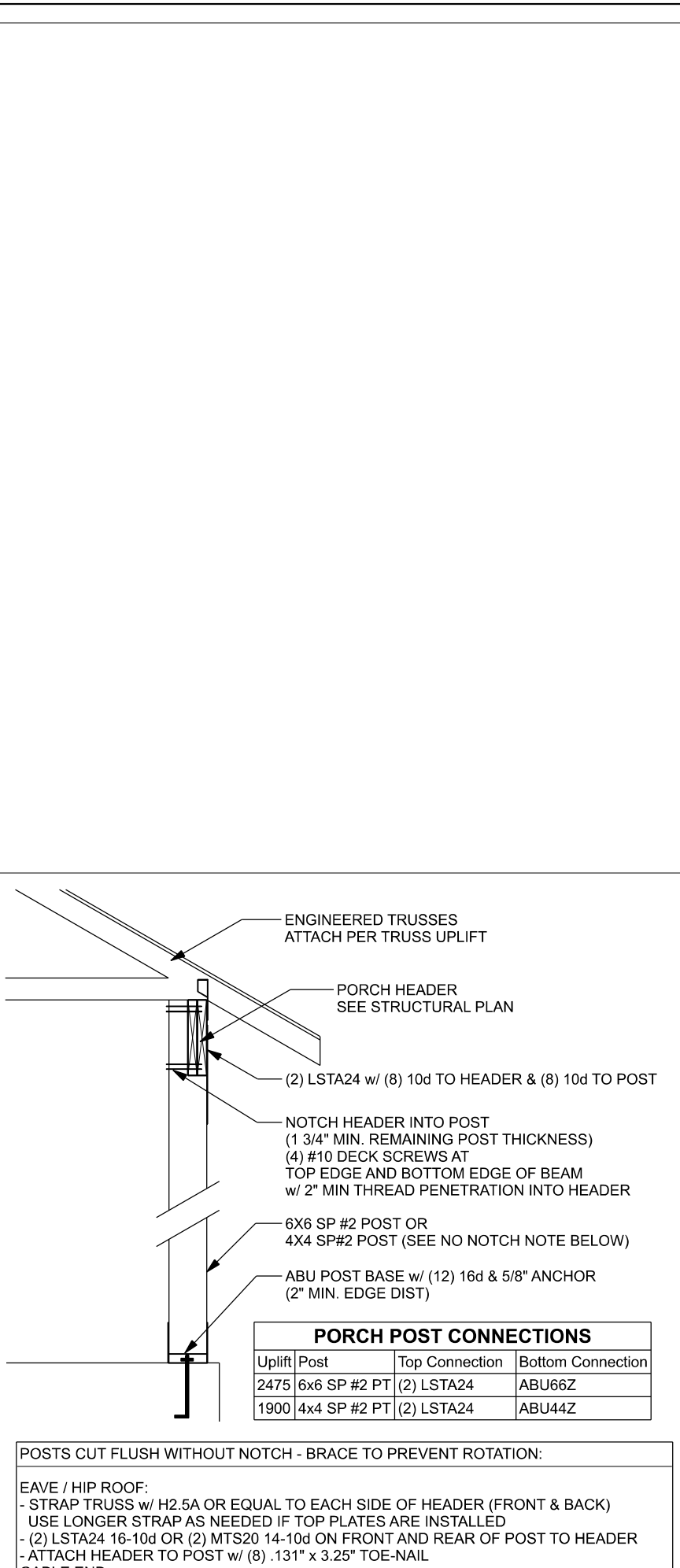
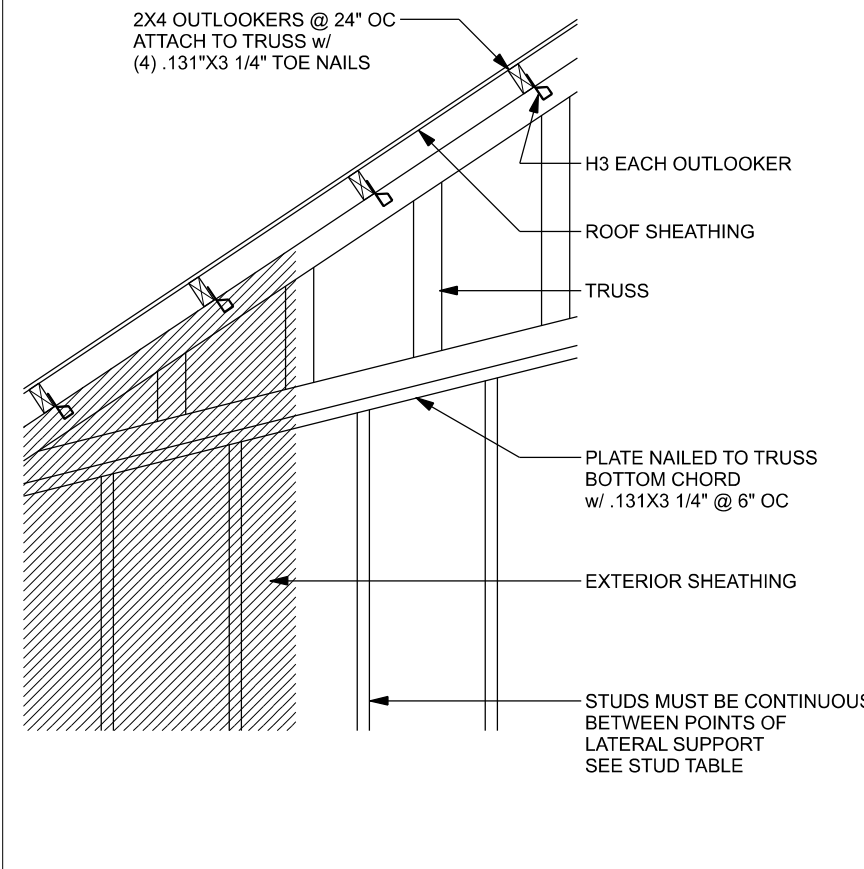
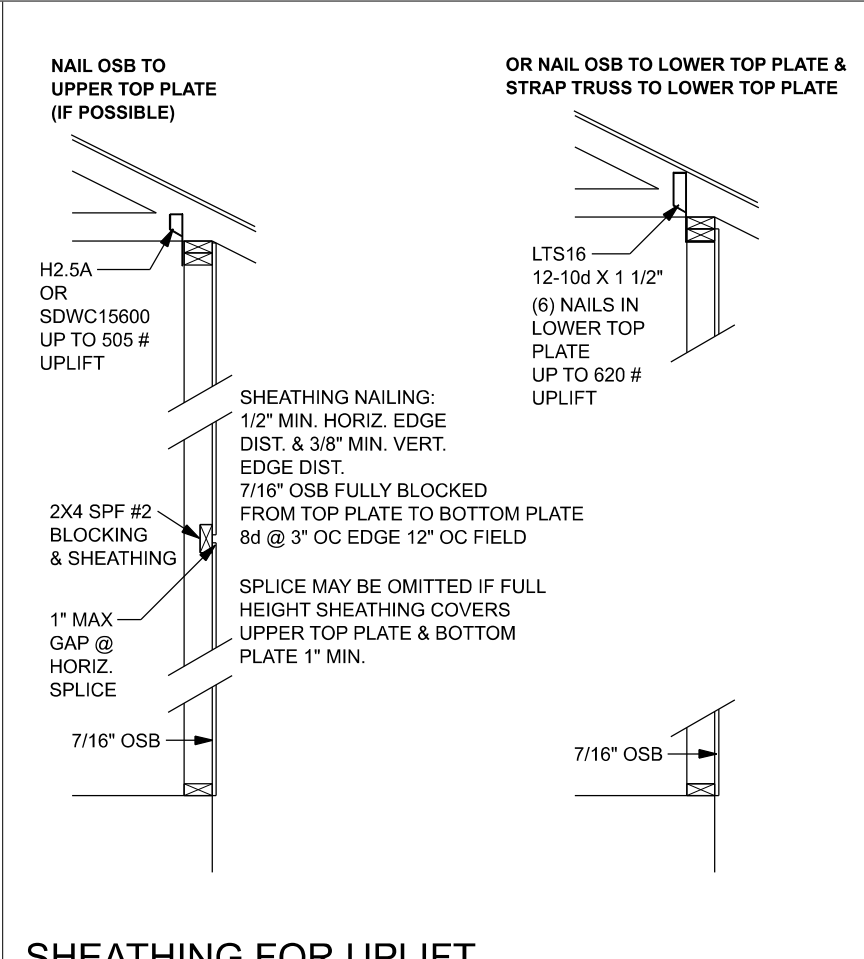
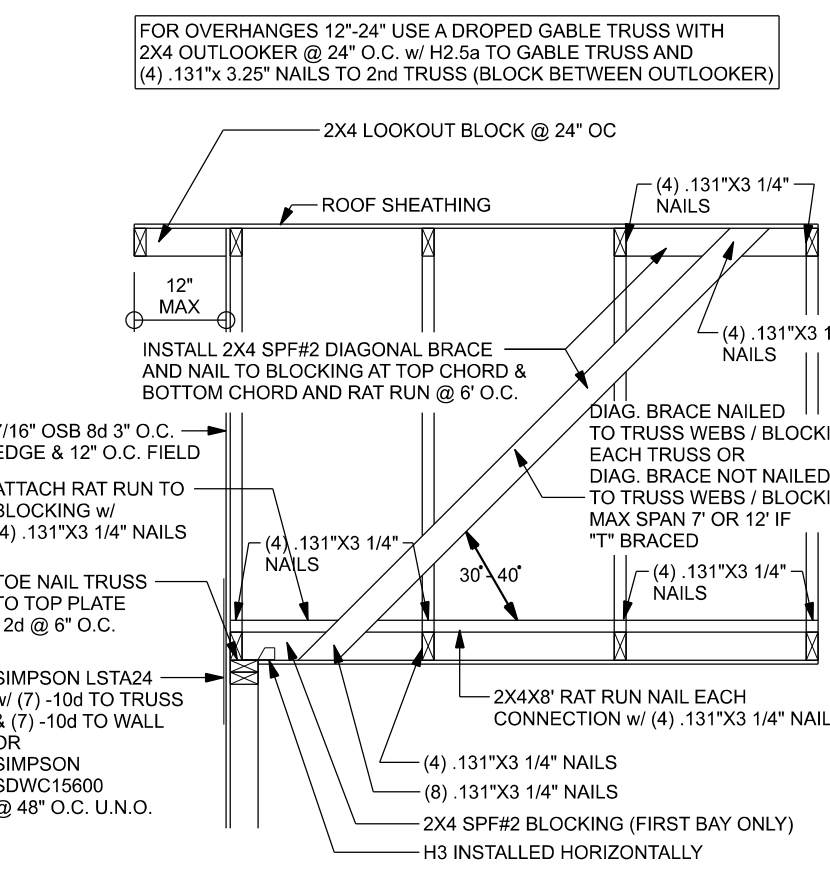
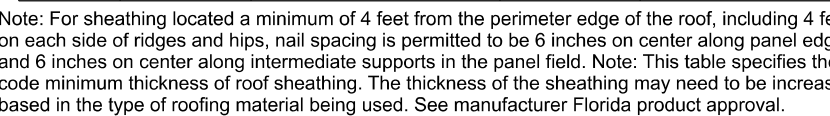


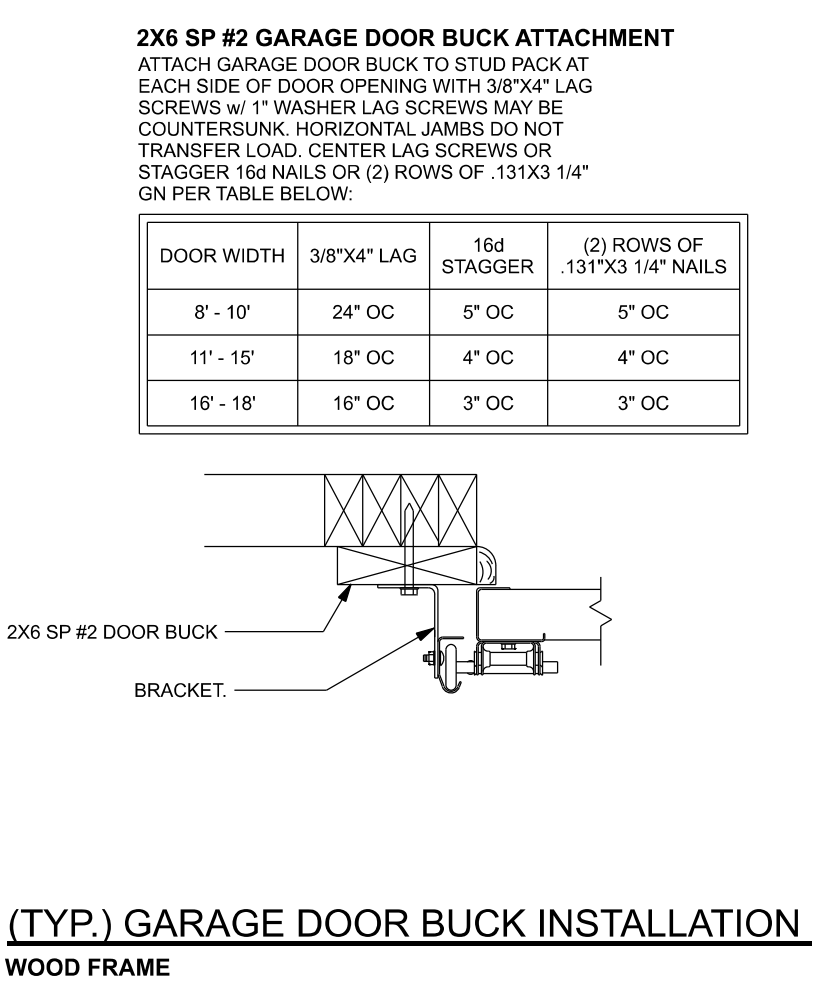
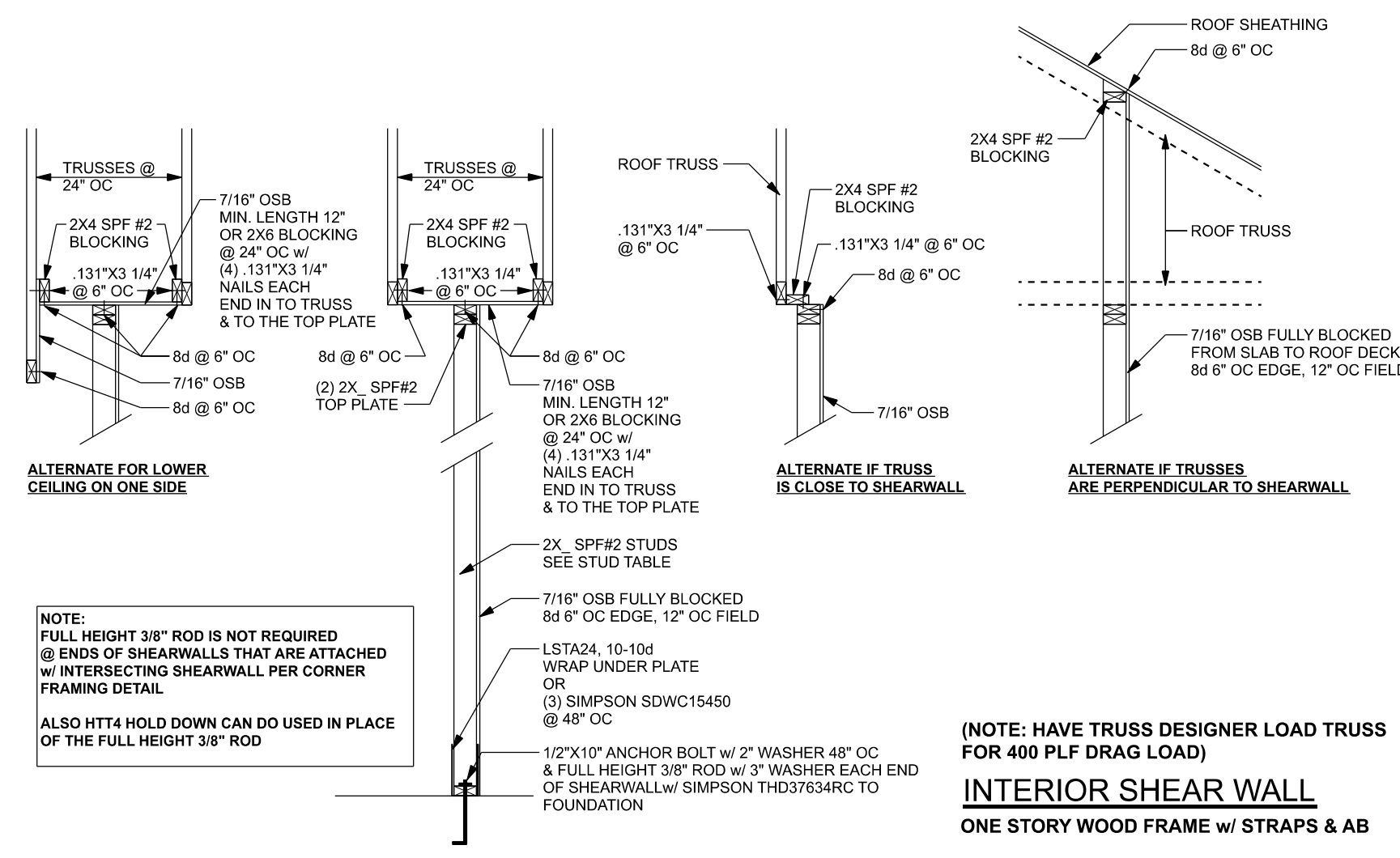
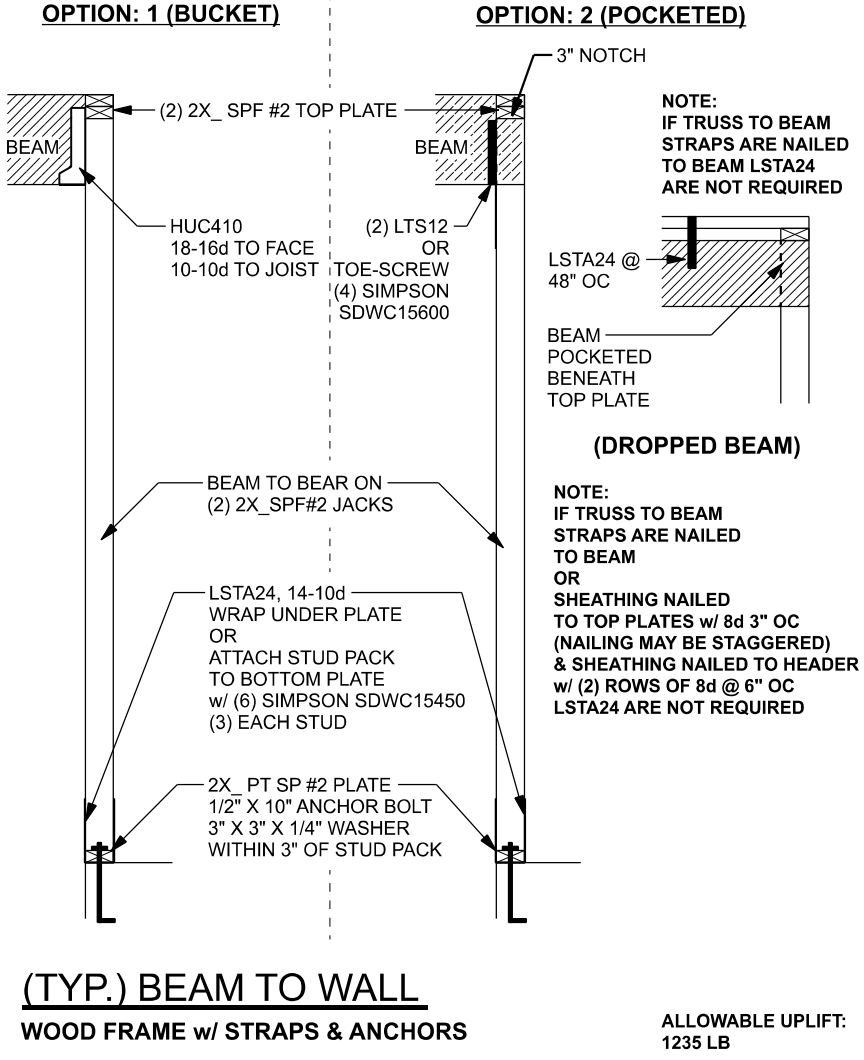
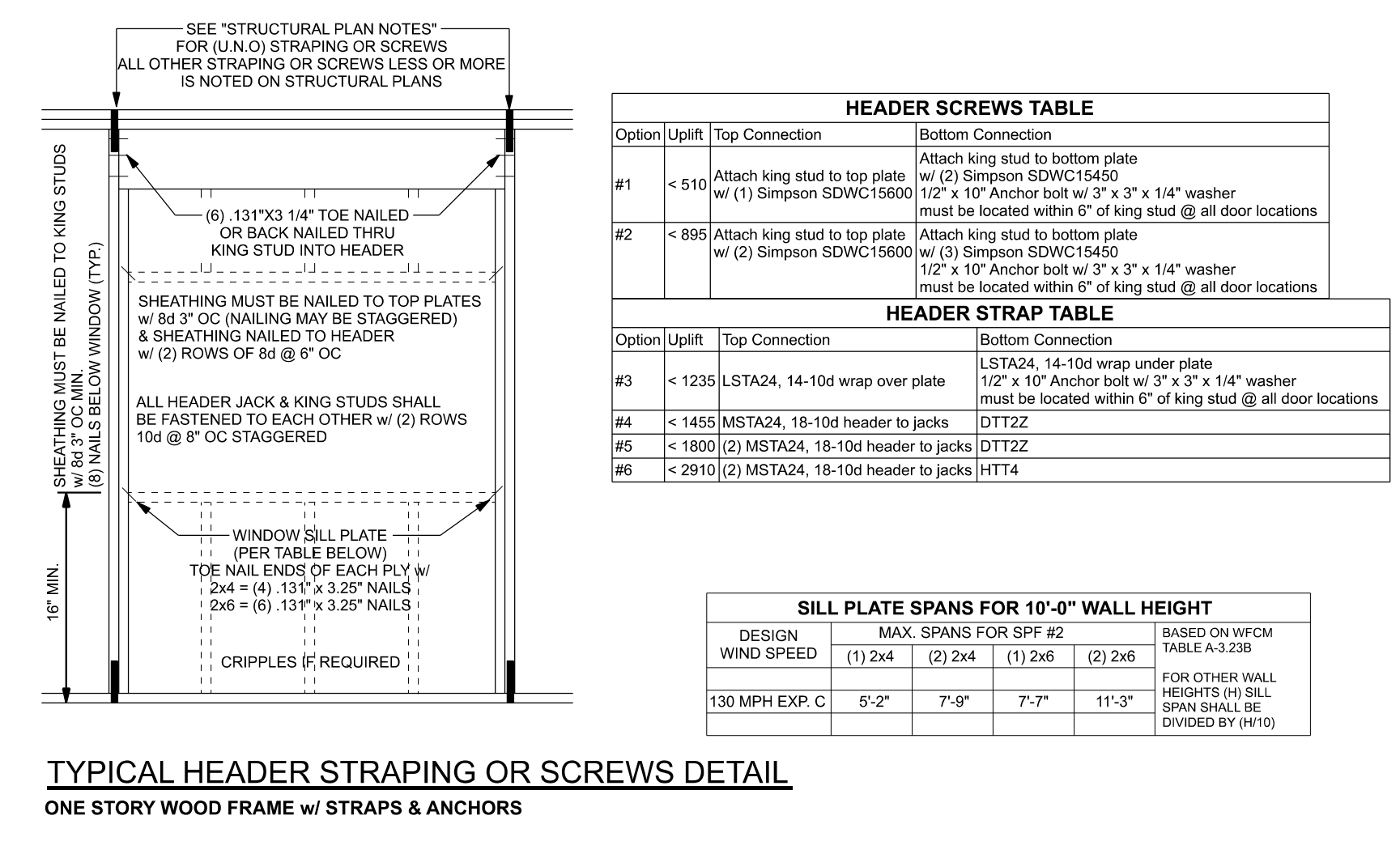
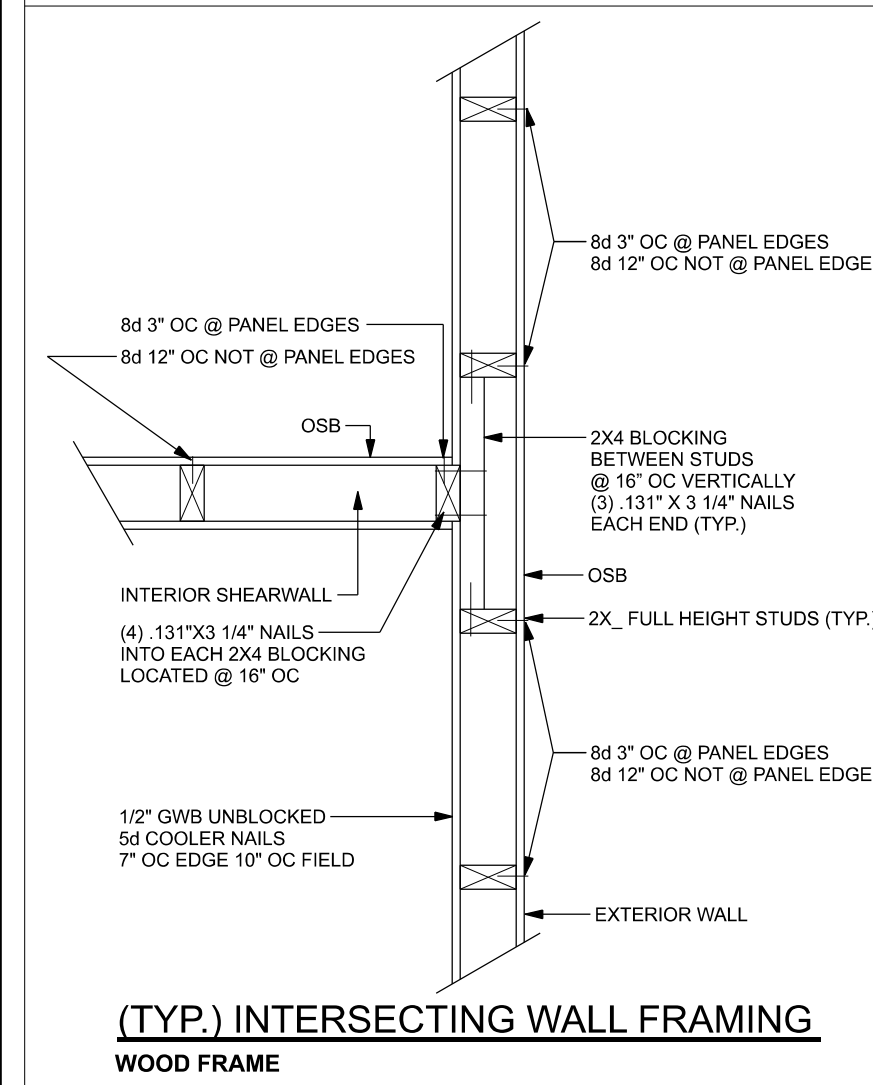
Wind speed 120 mph Exp. C Exp. D	Sheathing Thickness Plywood Or OSB	Required Nail	Nail spacing along panel edges	Nail spacing along intermediate supports in the panel field
120 mph Exp. B	7/16"	ASTM F1667 RRSR-01 (2 3/8" x 0.113")	6" oc	12" oc
120 mph Exp. C	7/16"	ASTM F1667 RRSR-01 (2 3/8" x 0.113")	6" oc	6" oc
120 mph Exp. D	19/32"	ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120")	6" oc	6" oc
130 mph Exp. B	7/16"	ASTM F1667 RRSR-01 (2 3/8" x 0.113")	6" oc	6" oc
130 mph Exp. C	15/32"	ASTM F1667 RRSR-01 (2 3/8" x 0.113")	6" oc	6" oc
130 mph Exp. D	19/32"	ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120")	6" oc	6" oc
140 mph Exp. B	7/16"	ASTM F1667 RRSR-01 (2 3/8" x 0.113")	6" oc	6" oc
140 mph Exp. C	15/32"	ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120")	6" oc	6" oc
140 mph Exp. D	19/32"	ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120")	6" oc	6" oc
150 mph Exp. B	19/32"	ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120")	6" oc	6" oc
150 mph Exp. D	19/32"	ASTM F1667 RRSR-03 (2 1/2" x 0.131") or ASTM F1667 RRSR-04 (3" x 0.120")	4" oc	4" oc



CONNECTOR TABLE						
Uplift Spig			Uplift Spig	Truss Connector	To Plate	To Truss/Rafter
805	505	SDWC15600			-	-
415	290	H3			4-8x11 1/2"	4-8x11 1/2"
615	640	H2-5A			5-8x11 1/2"	5-8x11 1/2"
1340	1015	H10A			6-10x11 1/2"	6-10x11 1/2"
720	620	LTS12-20			7-10x11 1/2"	7-10x11 1/2"
1000	860	MST12-30			7-10x11 1/2"	7-10x11 1/2"
1480	1245	HTS20-30			12-10x1 1/2"	12-10x1 1/2"
Uplift Spig	Uplift Spig	Uplift Spig	Uplift Spig	Uplift Spig	To One Member	To Other Member
1235	1235	LSTA71			8-10x1	8-10x1
1640	1455	MSTA72A			9-10x1	9-10x1
1030	1030	CS20			7-10x1	7-10x1
Uplift Spig	Uplift Spig	Stud Plate	Stud Plate	Stud	Stud	To Plate
585	555	SP1			6-10x1	6-10x1
1095	605	SP2			6-10x1	6-10x1
771	771	LSTA72A			10-10x1	wrap under or over plate
1235	1235	LSTA72A			14-10x1	wrap under or over plate
Uplift Spig	Uplift Spig	Holdowns @ Stemwall	Uplift Spig	Uplift Spig	Uplift Spig	Uplift Spig
1825	1800	DTT22			8-8x15 1/4" X 1 1/2"	12"x6" 11Ten H
4235	3640	HT74			18-16x2 1/2"	12"x21 1/2"
Uplift Spig	Uplift Spig	Holdowns @ Mono	Uplift Spig	Uplift Spig	Uplift Spig	Uplift Spig
1825	1800	DTT22			8-8x15 1/4" X 1 1/2"	12"x6" 11Ten H
4235	3640	HT74			18-16x2 1/2"	12"x21 1/2"
Uplift Spig	Uplift Spig	Post Bases @ Stemwall	Uplift Spig	Uplift Spig	Uplift Spig	Uplift Spig
1200		ABJ444			12-16"	5/8"x7 1/2" Drill & Epoxy
2475		ABJ662			12-16"	5/8"x7 1/2" Drill & Epoxy
Uplift Spig	Uplift Spig	Post Bases @ Mono	Uplift Spig	Uplift Spig	Uplift Spig	Uplift Spig
1200		ABJ444			12-16"	5/8"x7 1/2" Drill & Epoxy
2475		ABJ662			12-16"	5/8"x7 1/2" Drill & Epoxy

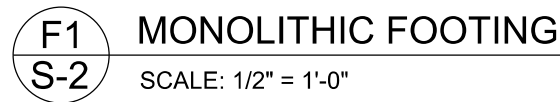
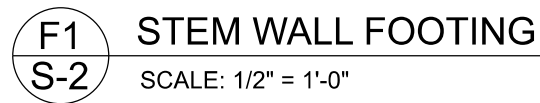
<p>THIS STUD HEIGHT BEING IS PER 2012 UBCS, TABLE 3.20B5, EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS FOR WALLS WITH OSB EXTERIOR AND 1/2" GYP INTERIOR, RESISTING INTERIOR ZONE WIND LOADS, 130 MPH, EXPOSURE C, STUD DEFLECTION LIMIT H/240 (NOT OK FOR BRITTLE FIBRE), 1/2" OSB SPACING SHALL BE MAXIMUM 12" ON CENTER FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. (END ZONE EXAMPLE 16" O.C. X 0.8 X 12.8" O.C.)</p>	
1) 2x4 @ 16" OC	TO 10'-1" STUD HEIGHT
2) 2x4 @ 12" OC	TO 11'-2" STUD HEIGHT
3) 2x6 @ 16" OC	TO 15'-7" STUD HEIGHT
4) 2x6 @ 12" OC	TO 17'-3" STUD HEIGHT

		Fb	E
2x8	SP #2	925	1.4
2x10	SP #2	800	1.4
2x12	SP #2	750	1.4
GLB	24F-V3 SP	2600	1.9
LSL	TIMBERSTRAND	1700	1.7
LVL	MICROLAM	2950	2.0
PSL	PARALAM	2900	2.0

[illegible]

DESIGN CRITERIA & LOADS:			
BUILDING CODE		8TH EDITION FLORIDA BUILDING CODE RESIDENTIAL (2009)	
CODE FOR DESIGN LOADS		ASCE 7-22	
WINDLOADS			
BASIC WIND SPEED (ASCE 7-22, 33 GUST)		130 MPH	
WIND EXPOSURE (BUILDER MUST FIELD VERIFY)		C	
TOPOGRAPHIC FACTOR (BUILDER MUST FIELD VERIFY)		I	
RISK CATEGORY		II	
ENCLOSURE CLASSIFICATION		ENCLOSED	
INTERNAL PRESSURE COEFFICIENT		0.18	
ROOF ANGLE		7-45 DEGREES	
MEAN ROOF HEIGHT		30 FT	
C&C DESIGN PRESSURES		SEE TABLE	
FLOOR LOADING			
ROOMS OTHER THAN SLEEPING ROOMS		40 PSF LIVE LOAD	
SLEEPING ROOMS		30 PSF LIVE LOAD	
ROOF LOADING			
FLAT OR < 4:12		20 PSF LIVE LOAD	
4:12 TO < 12:12		16 PSF LIVE LOAD	
12:12 & GREATER		12 PSF LIVE LOAD	
SOIL BEARING CAPACITY		1500 PSF	
FLOOD ZONE		THIS BUILDING IS NOT IN THE FLOOD ZONE	

COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C)			
EFFECTIVE WIND AREA (FT ²)	ZONE 4 INTERIOR	ZONE 5 END 4' FROM ALL OUTSIDE CORNER	
0 - 20	+25.6 (Vasd)	-27.8 (Vasd)	+25.6 (Vasd) -34.2 (Vasd)
0 - 20	+42.6 (Vasd)	-46.2 (Vasd)	+42.6 (Vasd) -57 (Vasd)
GARAGE DOOR DESIGN PRESSURES 130 MPH (EXP C)			
9x7 GARAGE DOOR	+22.7 (Vasd)	-25.5 (Vasd)	
16x7 GARAGE DOOR	+21.2 (Vasd)	-24.1 (Vasd)	

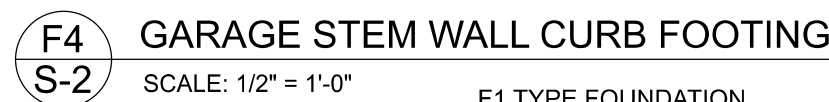


TALL STEM WALL TABLE:								
The table assumes 40 ksf for #5 rebar and 60 ksf for #7 & #8 rebar with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed below the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior soil face). The wall is to be constructed using 12" high Durawall concrete masonry blocks (CMU) vertically or a horizontal bond beam with 195 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.								
STEMWALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEMWALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEMWALL (INCHES O.C.)			
		#5	#7	#8	#5	#7	#8	
3.3	3.0	96	96	96	96	96	96	
4.0	3.7	96	96	96	96	96	96	
4.7	4.3	88	96	96	96	96	96	
5.3	5.0	56	96	96	96	96	96	
6.0	5.7	40	80	96	80	96	96	
6.7	6.3	32	56	80	56	96	96	
7.3	7.0	24	40	56	40	80	96	
8.0	7.7	16	32	48	32	64	80	
8.7	8.3	8	24	32	24	48	64	
9.3	9.0	8	16	24	16	40	48	

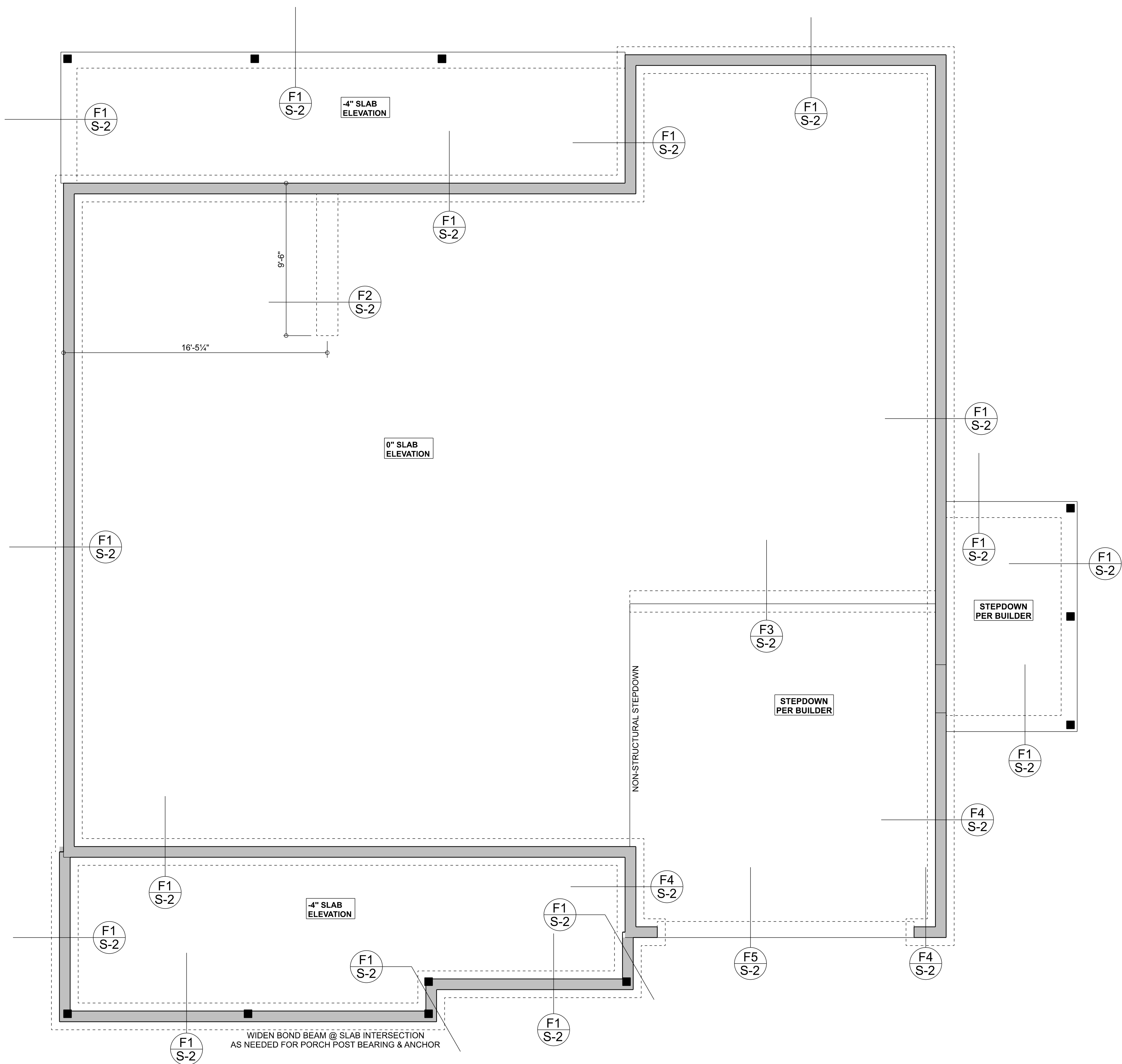
MASONRY NOTE:
MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.

	AC1030-1.02 Section	Specific Requirements
1.4A	Compressive strength	8" block bearing walls F'm = 1500 psi
2.1	Mortar	ASTM C 270, Type N, UNO
2.2	Grout	ASTM C 476, advoidure, require approval
2.3	CMU standard	ASTM C 90-02, Normal weight, medium surface finish, 6"x8"x16" running bond and 12"x12" or 16"x16" running bond
2.3	Clay brick, standard	ASTM C 216-02, Grade SW, Type FBS, 5.59x2.75x11.5
2.4	Reinforcing bars, #3 - #11	ASTM A 615, Grade 60, F_y = 40 ksi, Lap splices min 40 bar dia, (25" for #6)
2.4F	Coating for corrosion protection	Anchor, steel sheet nails completely embedded in mortar or grout, ASTM A525, Class 0.60, 0.60 or 304SS
2.4G	Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or water ties, anchors, steel sheet nails not completely embedded in mortar or grout, ASTM A153, Class B2, 1.50 or 0.45SS
3.3.E.2	Pipes, conduits, and accessories	Any not shown on the project drawings require engineering approval.
3.3.E.7	Movement joints	Contractor assumes responsibility for type and location of movement joints if not detailed on project drawings.

BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL



F1 TYPE FOUNDATION
CAN BE USED AT GARAGE IN
PLACE OF CURB FOUNDATION



FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

FOUNDATION NOTES	
FN - 1	DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT REFERENCE TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC. DISOWAY DESIGN GROUP OR MARK DISOWAY, PE IS NOT RESPONSIBLE FOR DIMENSIONAL ERRORS ON THIS PLAN.
FN - 2	CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
FN - 3	THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED W/ 6X6" X 12" WELDED WIRE FABRIC. 6" MIN. 18 1/2" DEPTH OR FIBER MESH CONCRETE. 6MIL POLY VAPOR BARRIER w/ 8" LAPS SEALED w/ POLY TAP OVER TERMITE-TREATED & COMPACTED FILL ALSO, ANY OTHER METHODS OF TERMITES-TREATMENT METHOD CAN BE USED (SEE LISTED).

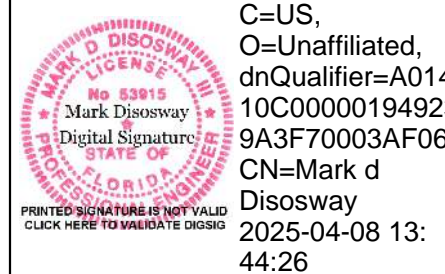
Bryan Zecher Construction

MURVYN GRAHAM

PROJECT ADDRESS:
345 SW Beacon Way
Lake City, Florida
134S-16-02951-117

FL PE 53915

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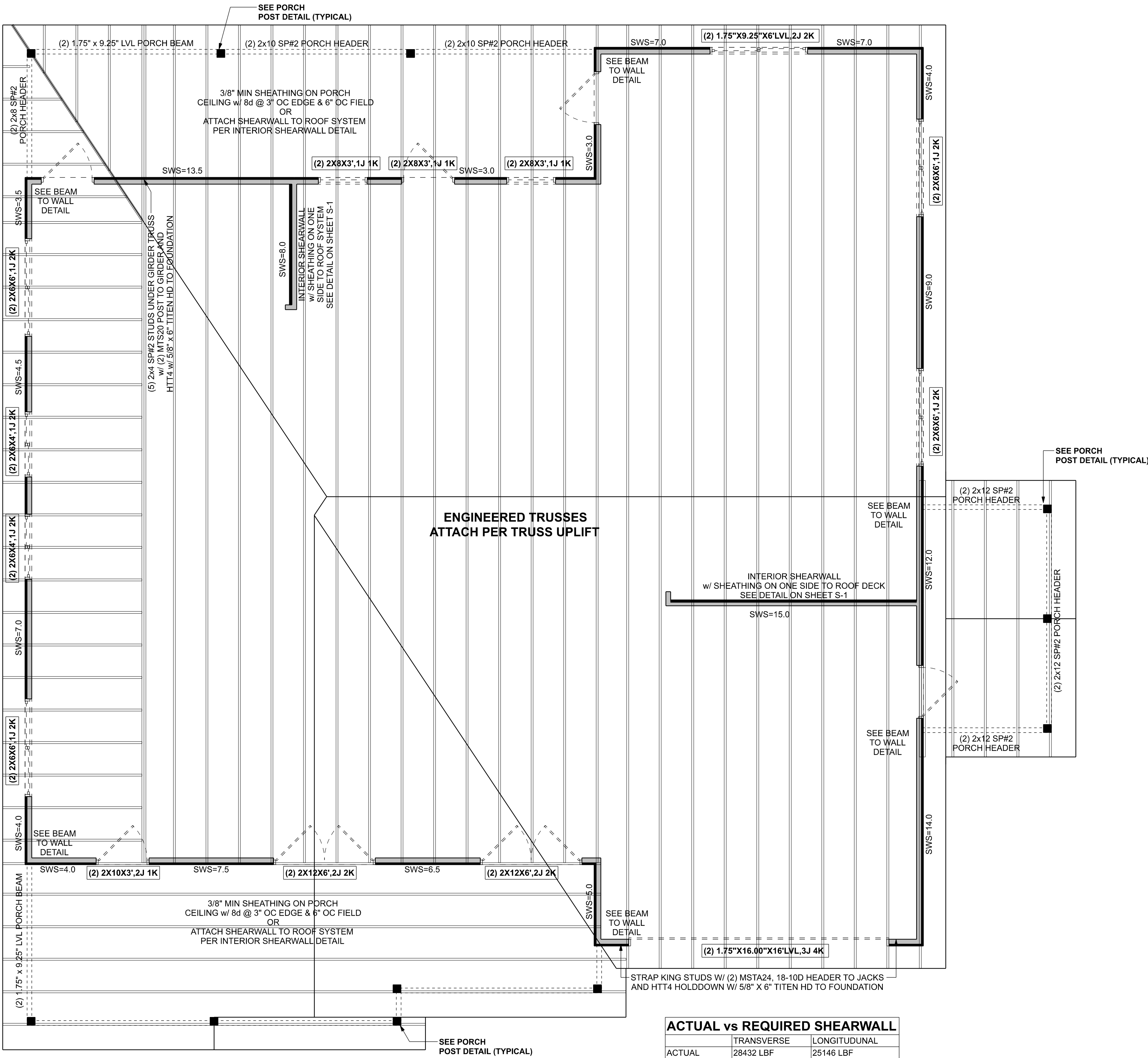
CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 8th Edition Florida Building Code Residential (2023) to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

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disoswaydesign@gmail.com

JOB NUMBER:
250363

S-2



Bryan Zecher Construction

MURVYN GRAHAM

PROJECT ADDRESS:
345 SW Beacon Way
Lake City, Florida
13-45-16-0295-117

FL PE 53915

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CN=Mark d
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S-3
OF 3 SHEETS