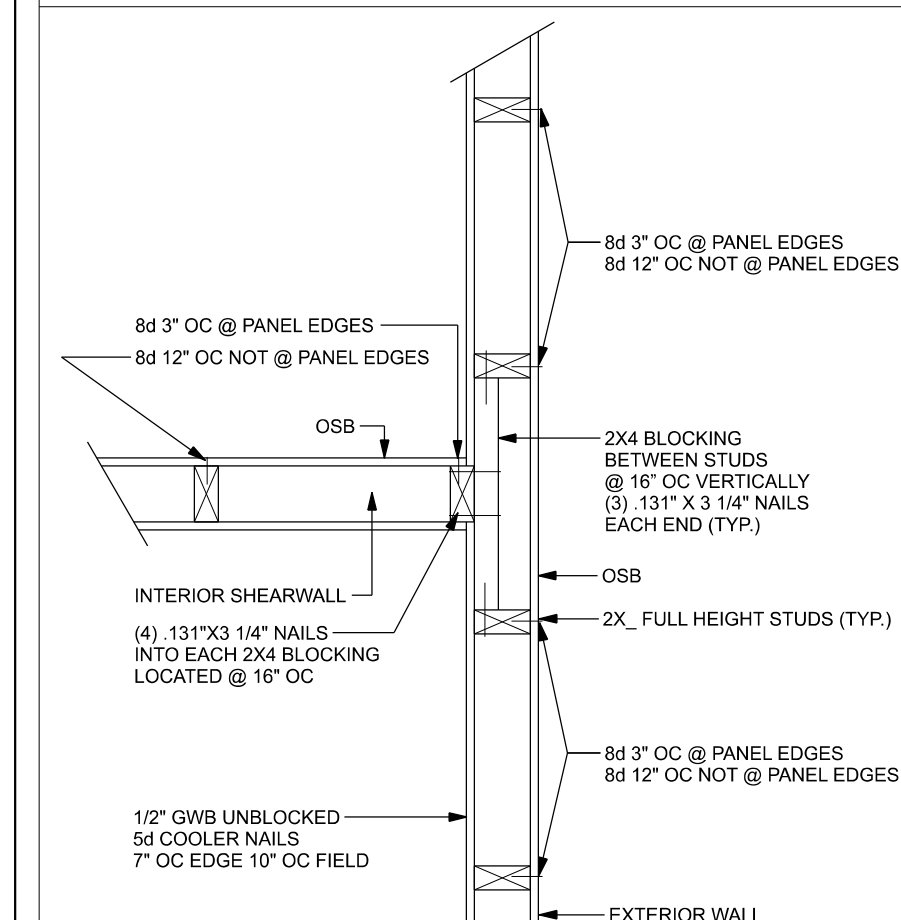
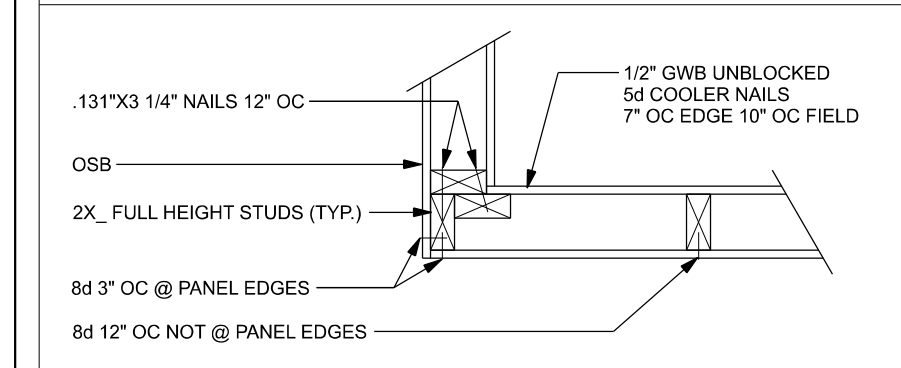


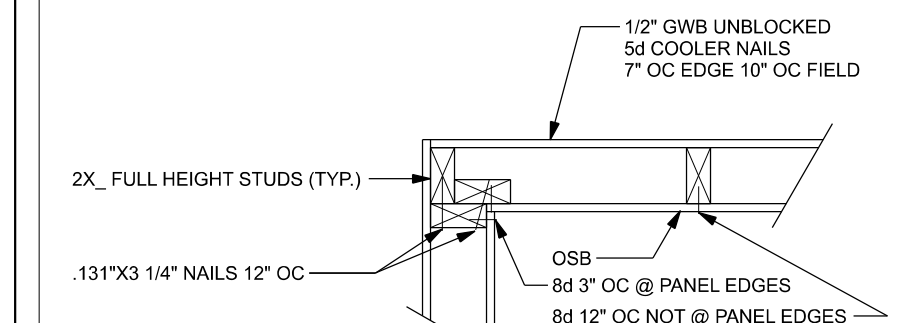
ONE STORY WALL SECTION
SCALE: 3/4" = 1'-0"



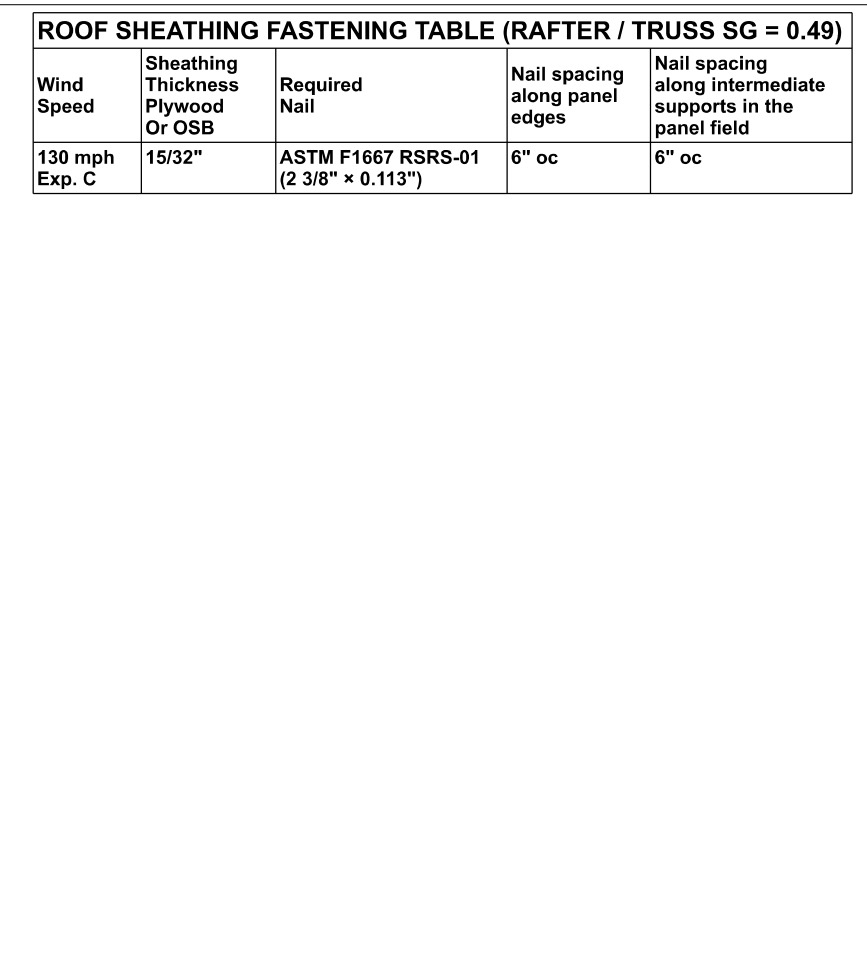
(TYP.) INTERSECTING WALL FRAMING WOOD FRAME



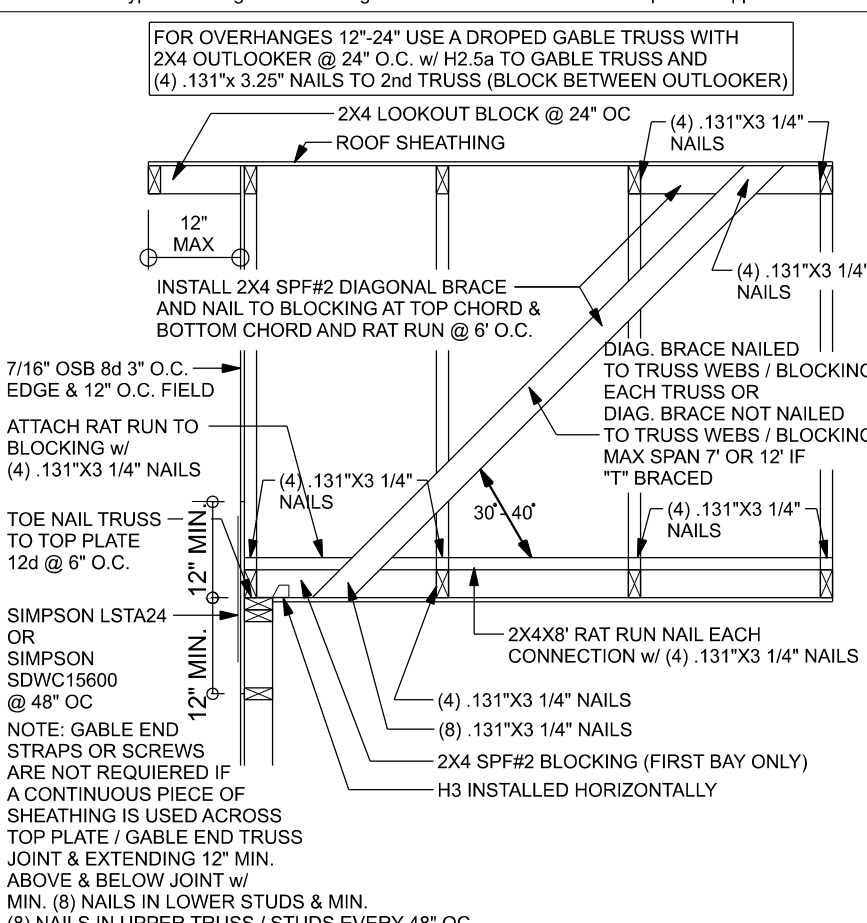
OUTSIDE CORNER



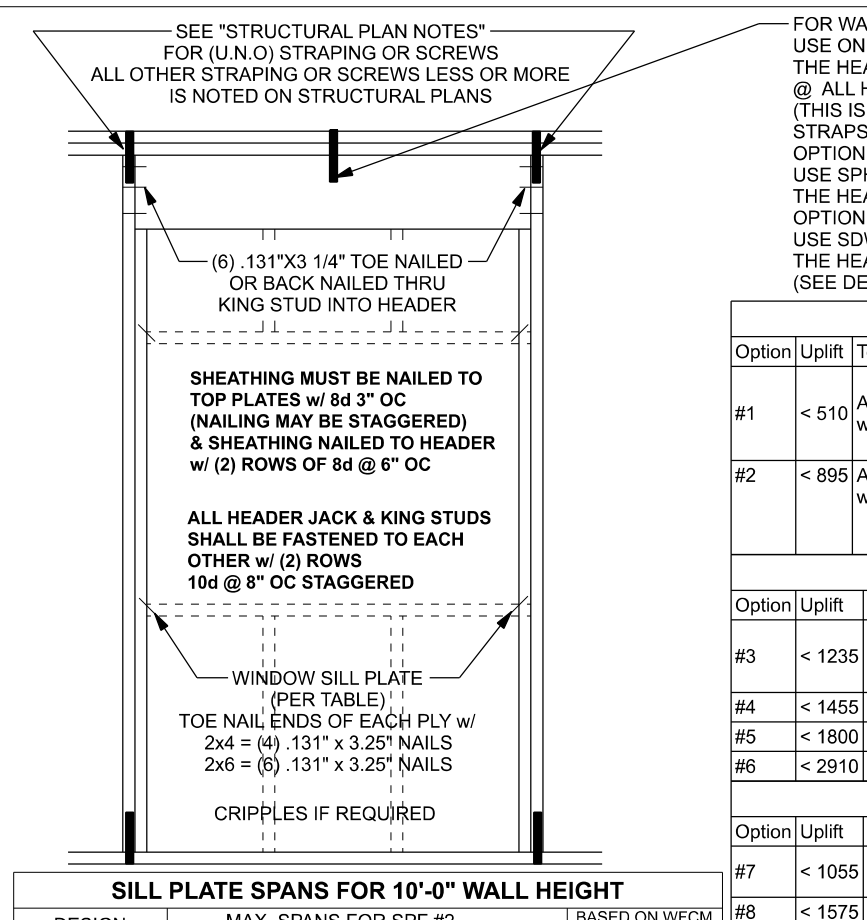
(TYP.) CORNER FRAMING WOOD FRAME



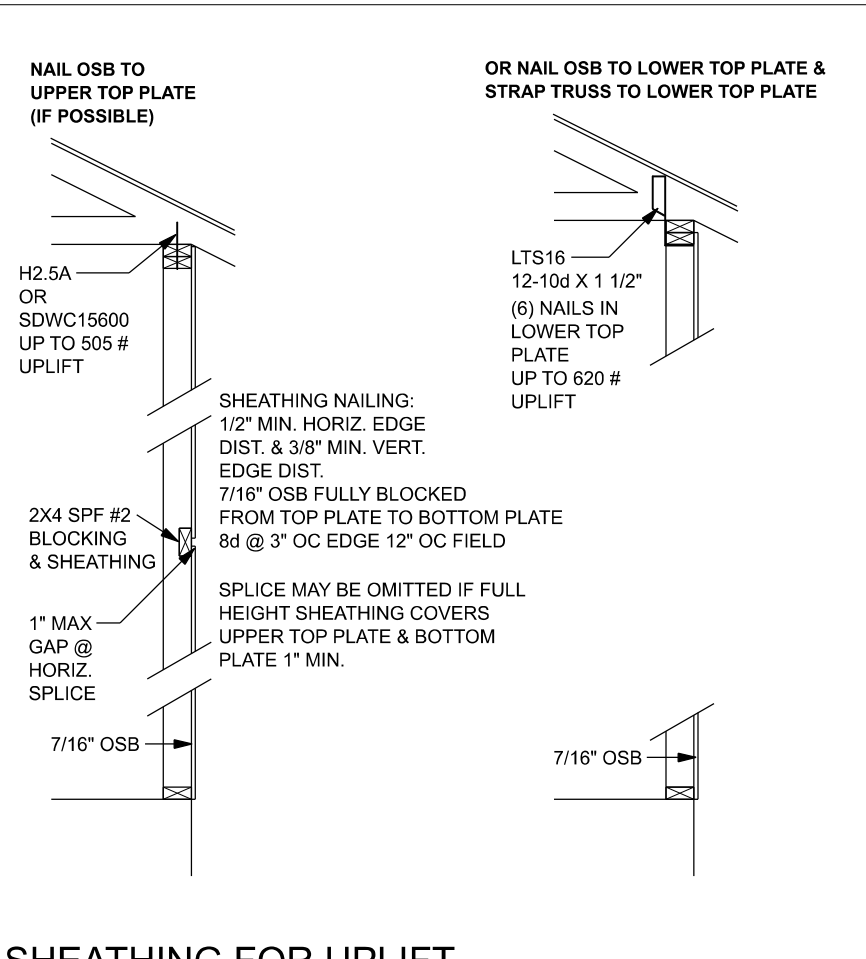
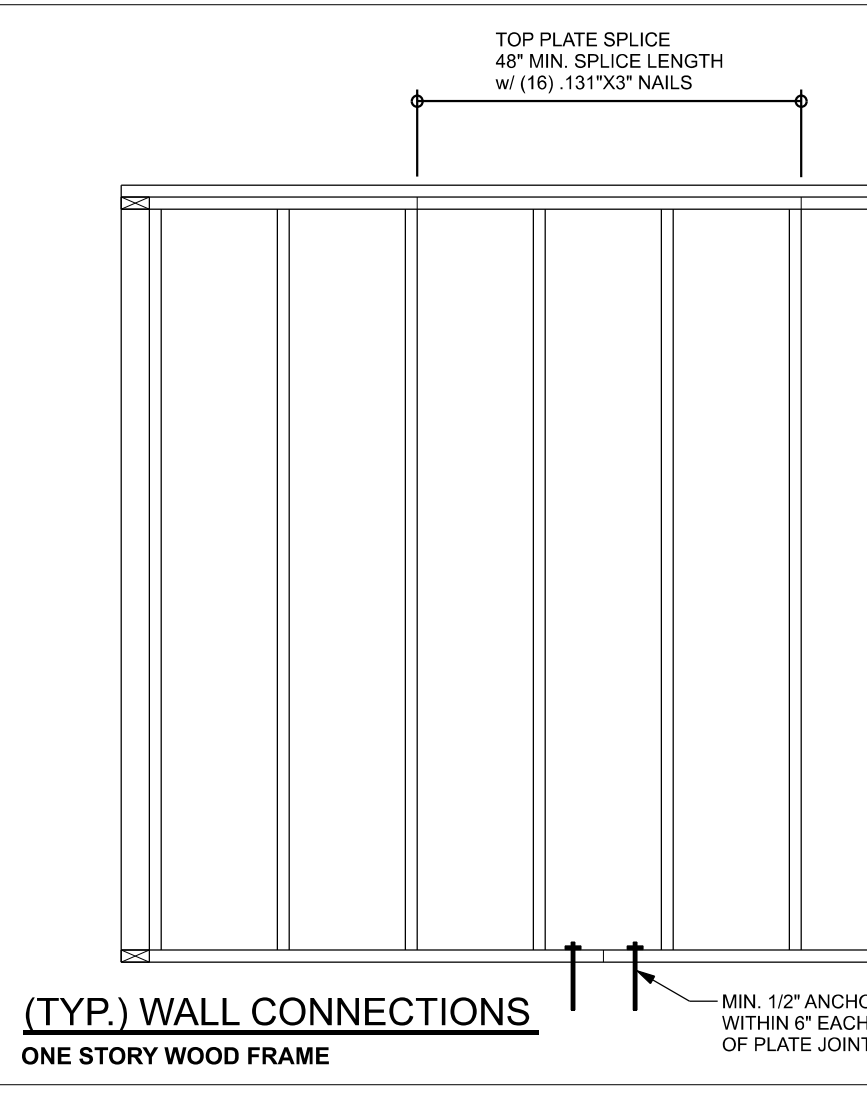
SHEATHING FOR UPLIFT ATTACHMENT DETAILS ONE STORY WOOD FRAME



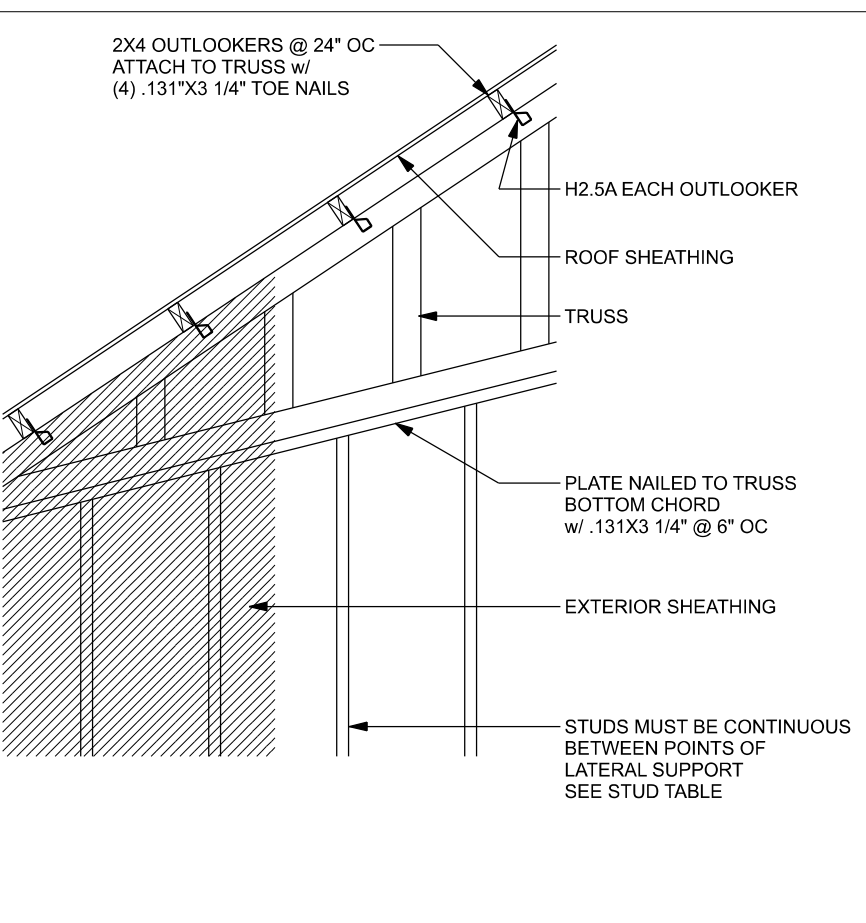
(TYP.) GABLE WALL w/ VAULTED CEILING WOOD FRAME



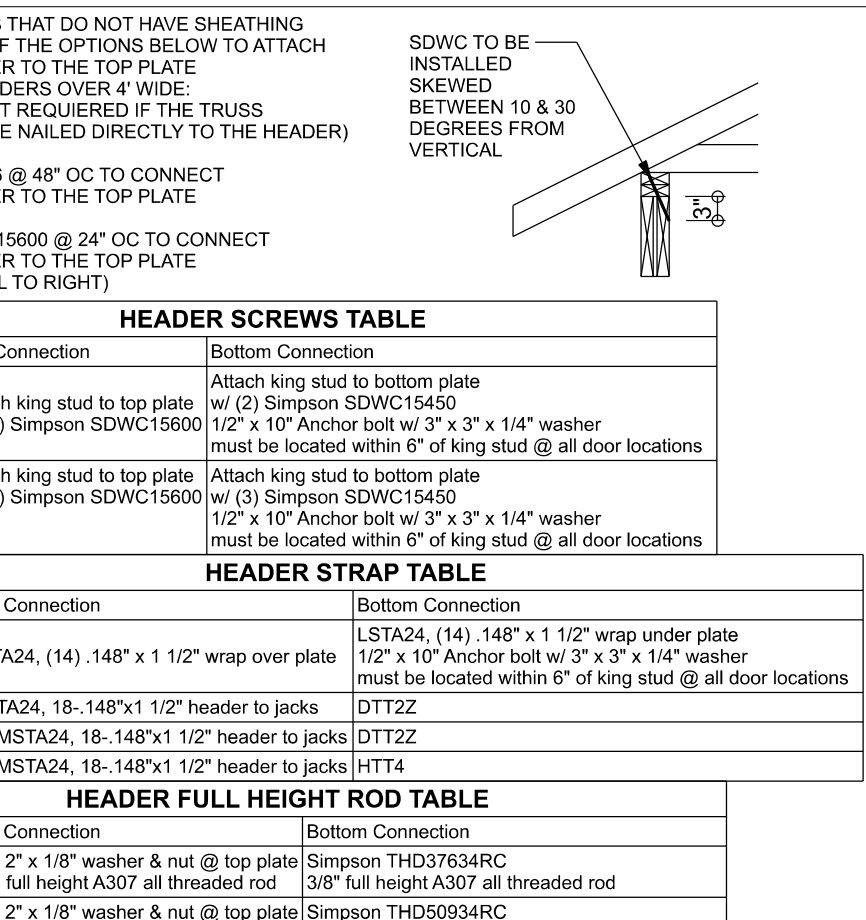
(TYP.) WALL CONNECTIONS ONE STORY WOOD FRAME



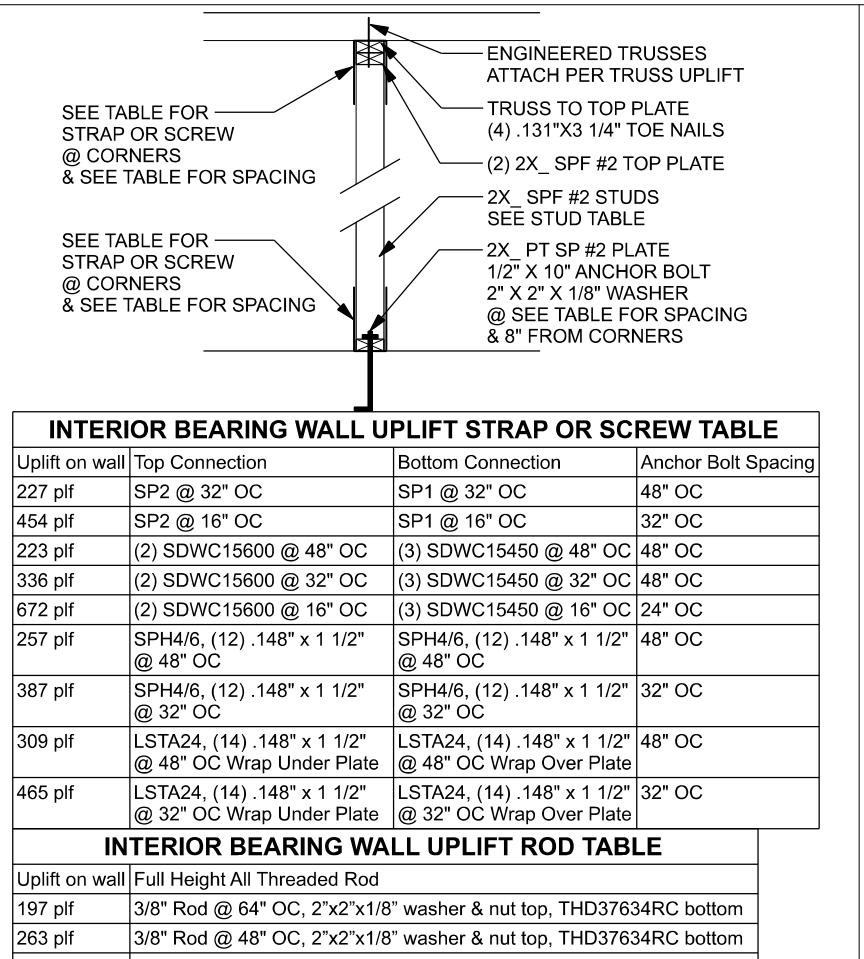
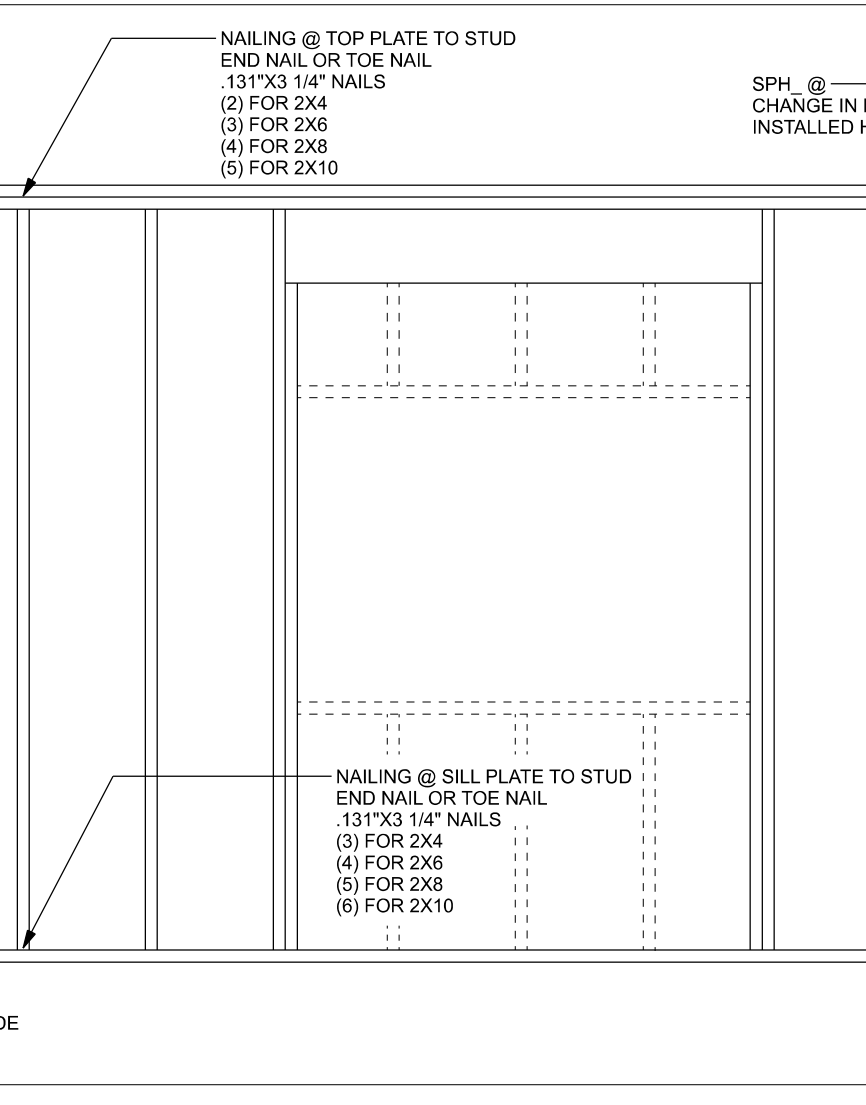
(TYP.) INTERIOR BEARING WALL ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



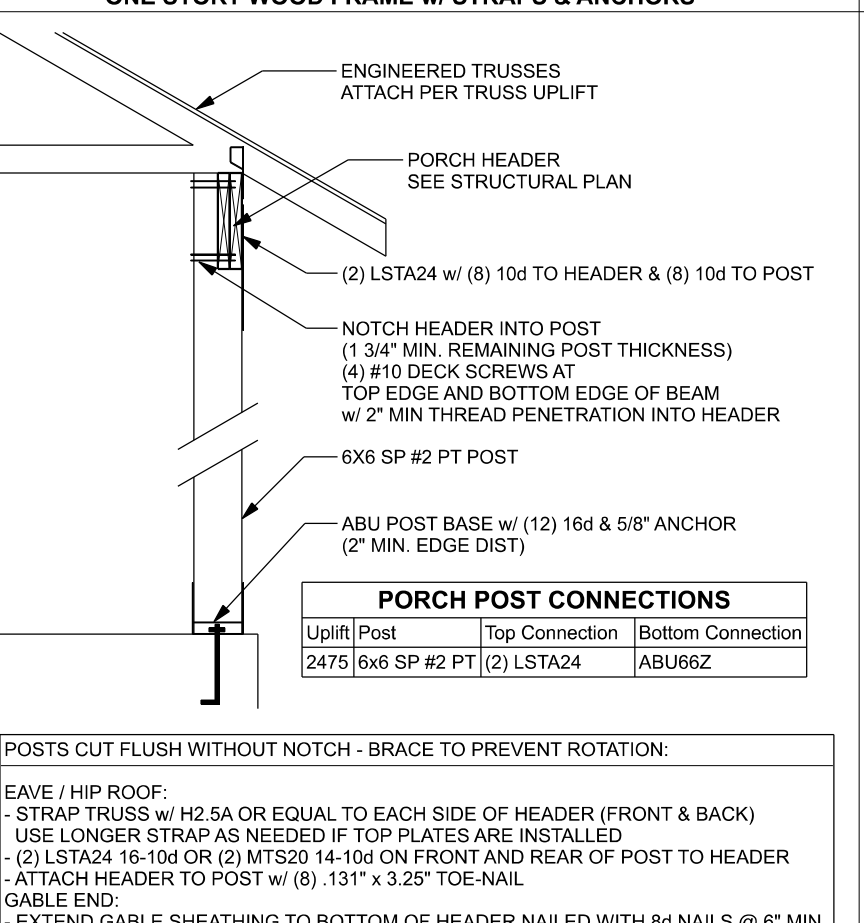
(TYP.) PORCH POST ONE STORY WOOD



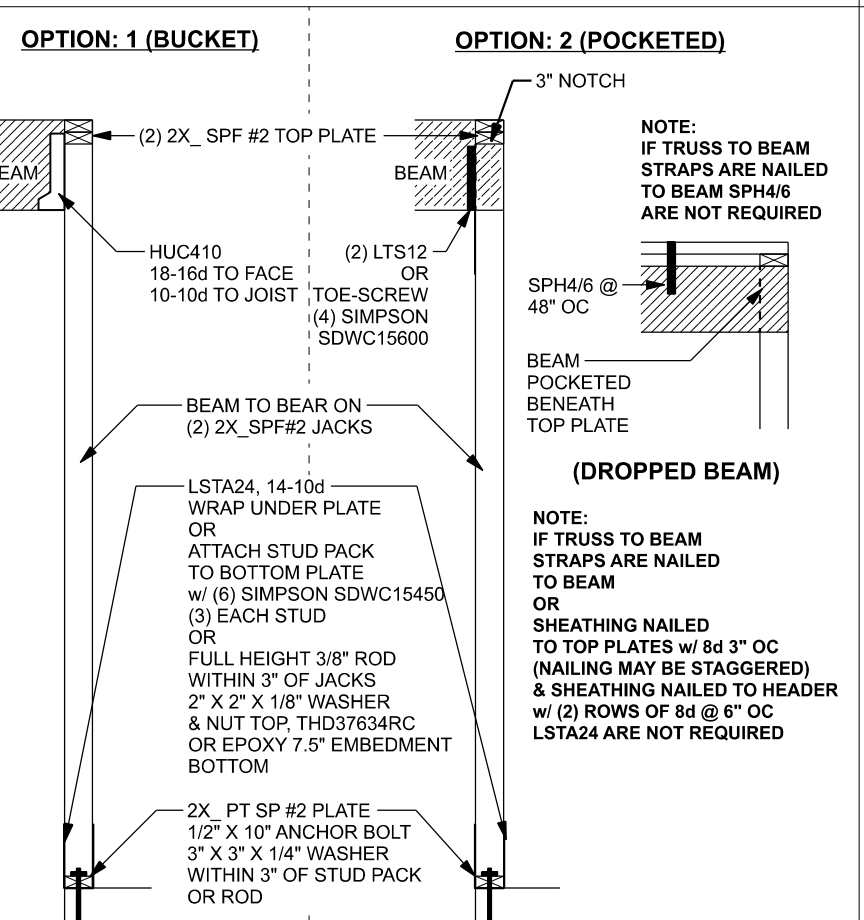
(TYP.) BEAM TO WALL WOOD FRAME w/ STRAPS & ANCHORS



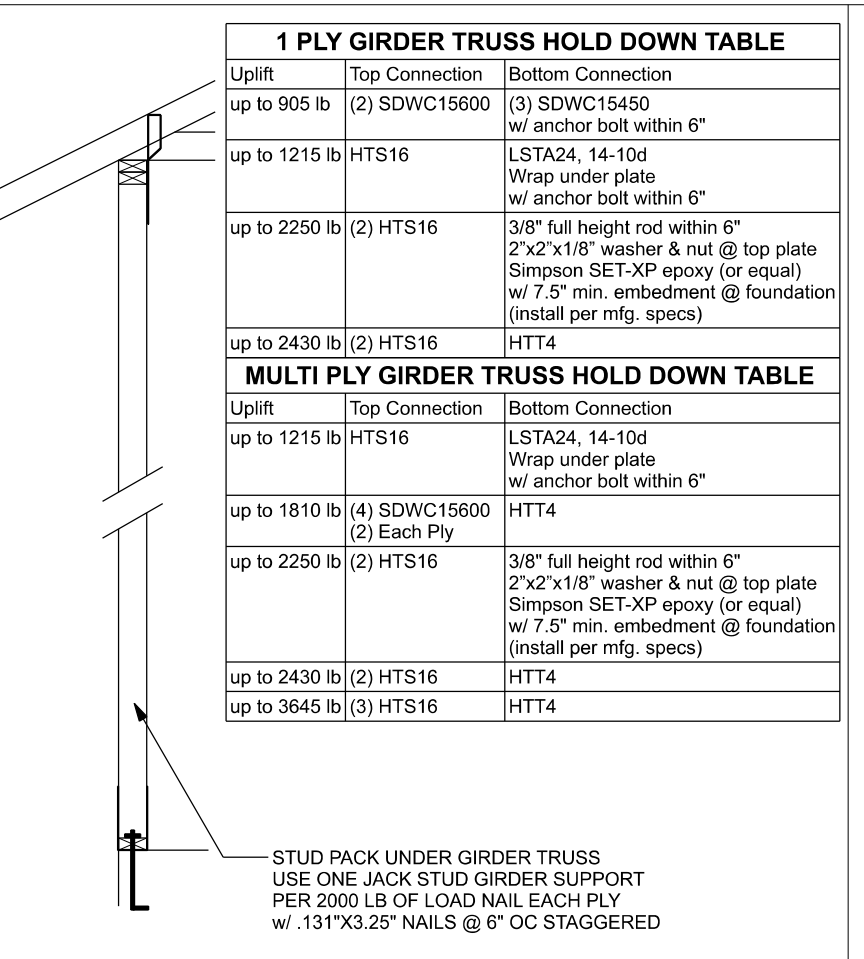
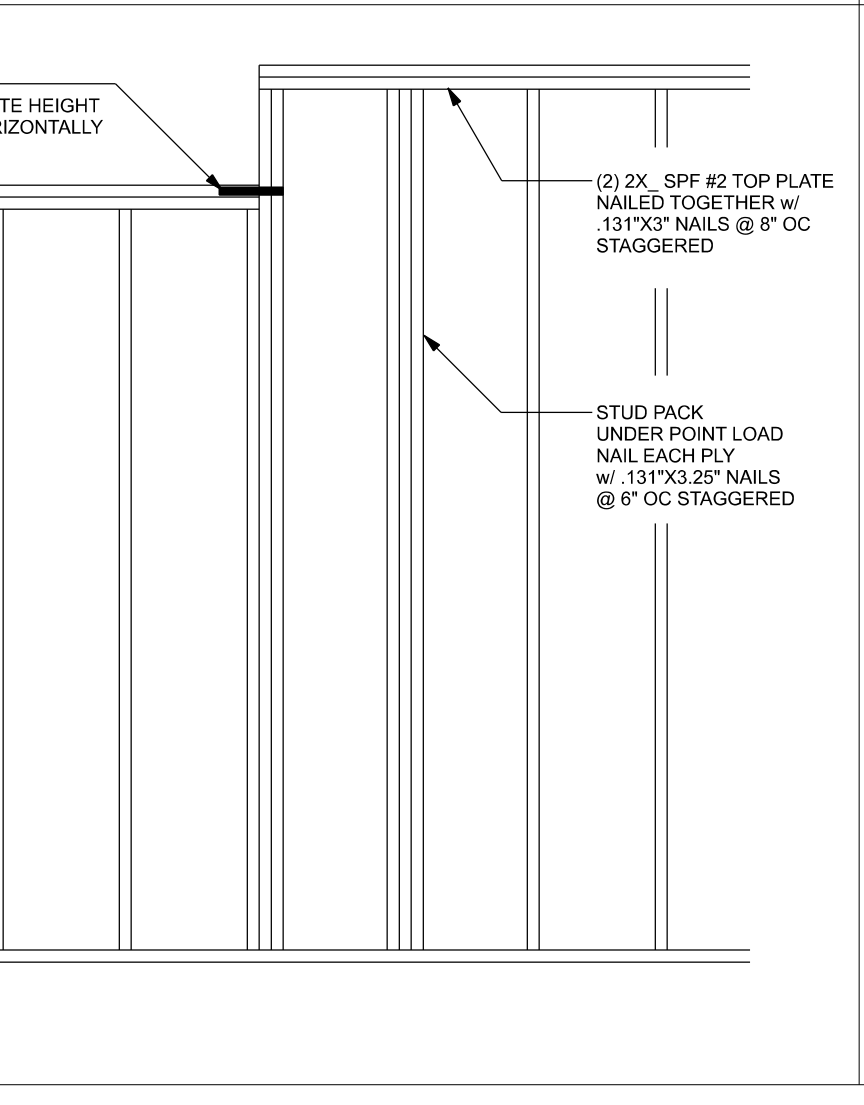
(TYP.) GIRDER TRUSS HOLD DOWN DETAIL WOOD FRAME w/ STRAPS & ANCHORS



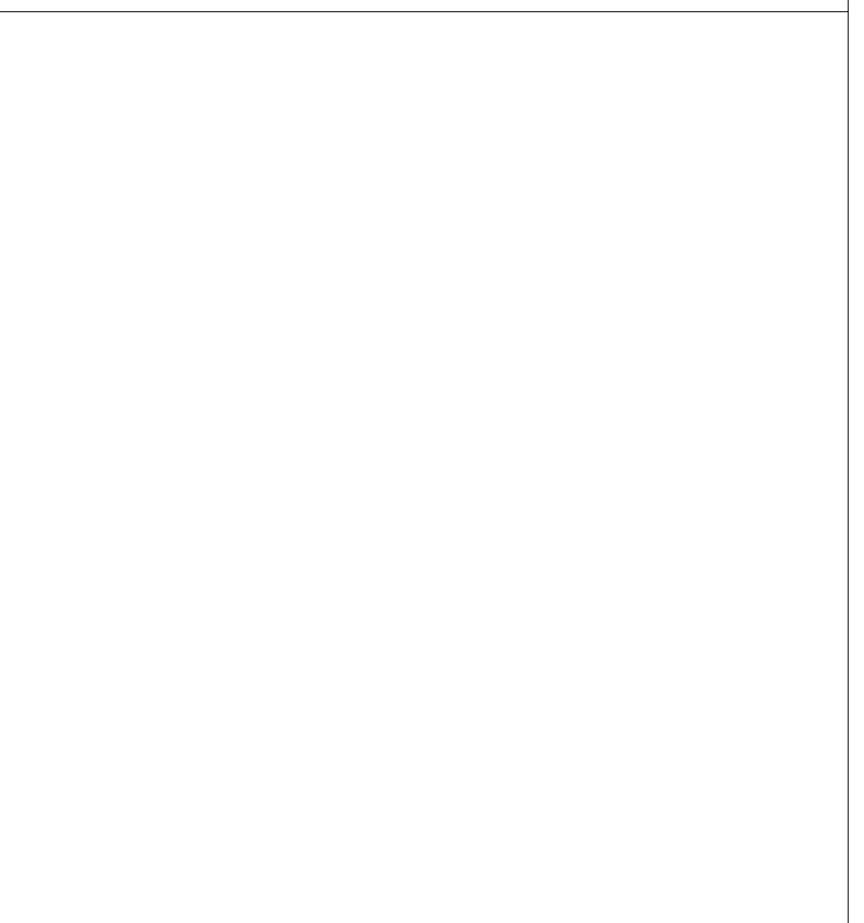
(TYP.) INTERIOR BEARING WALL ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



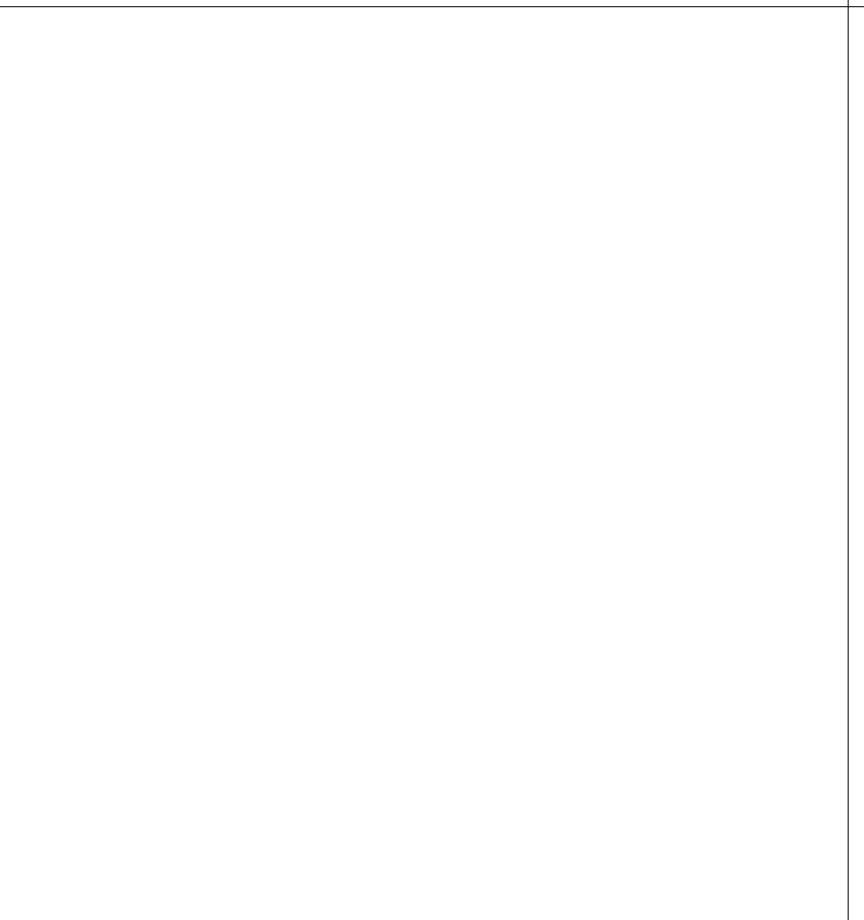
(TYP.) BEAM TO WALL WOOD FRAME w/ STRAPS & ANCHORS



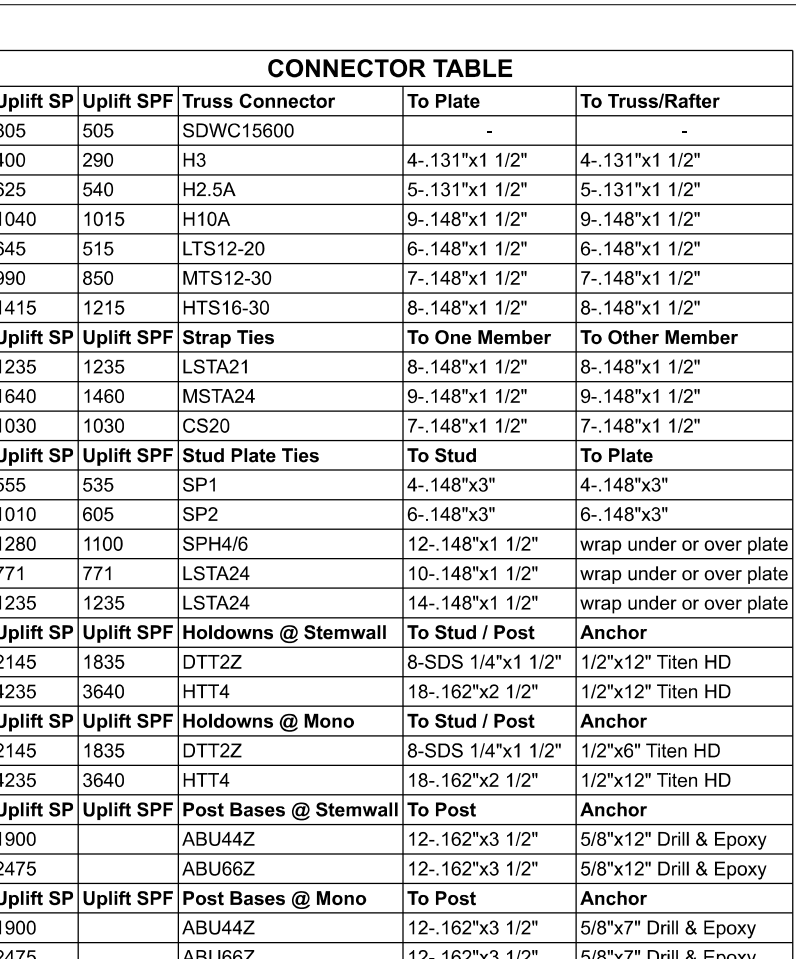
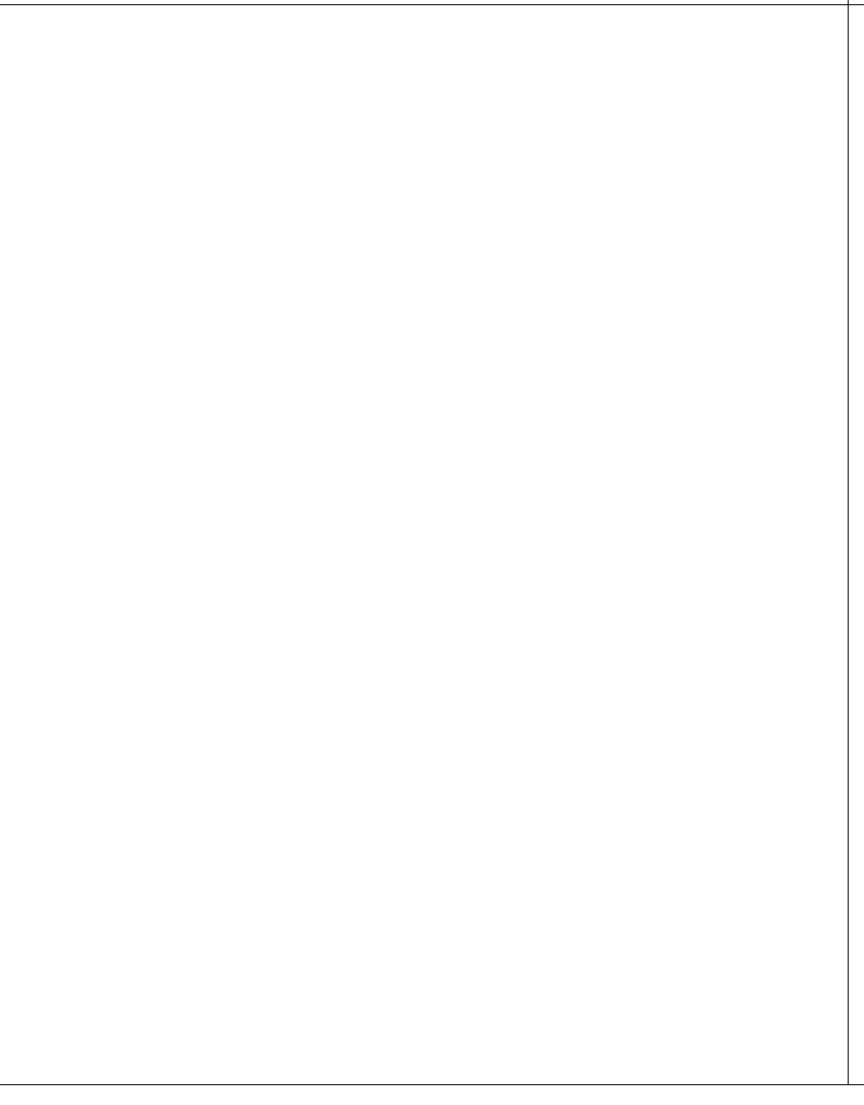
(TYP.) GIRDER TRUSS HOLD DOWN DETAIL WOOD FRAME w/ STRAPS & ANCHORS



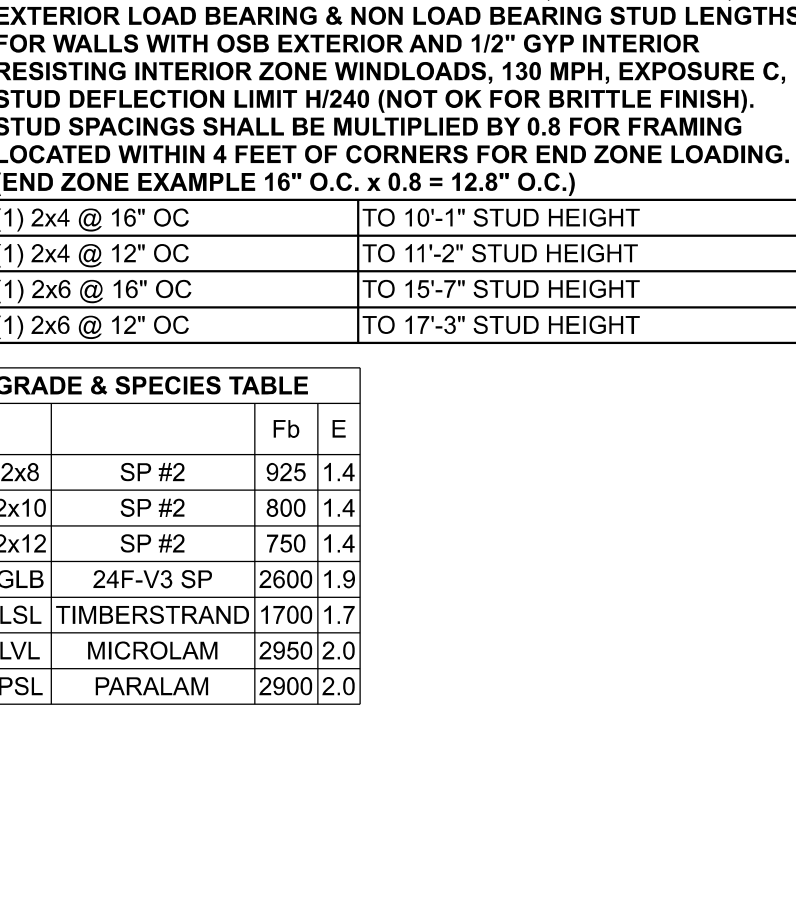
(TYP.) INTERIOR BEARING WALL ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



(TYP.) BEAM TO WALL WOOD FRAME w/ STRAPS & ANCHORS



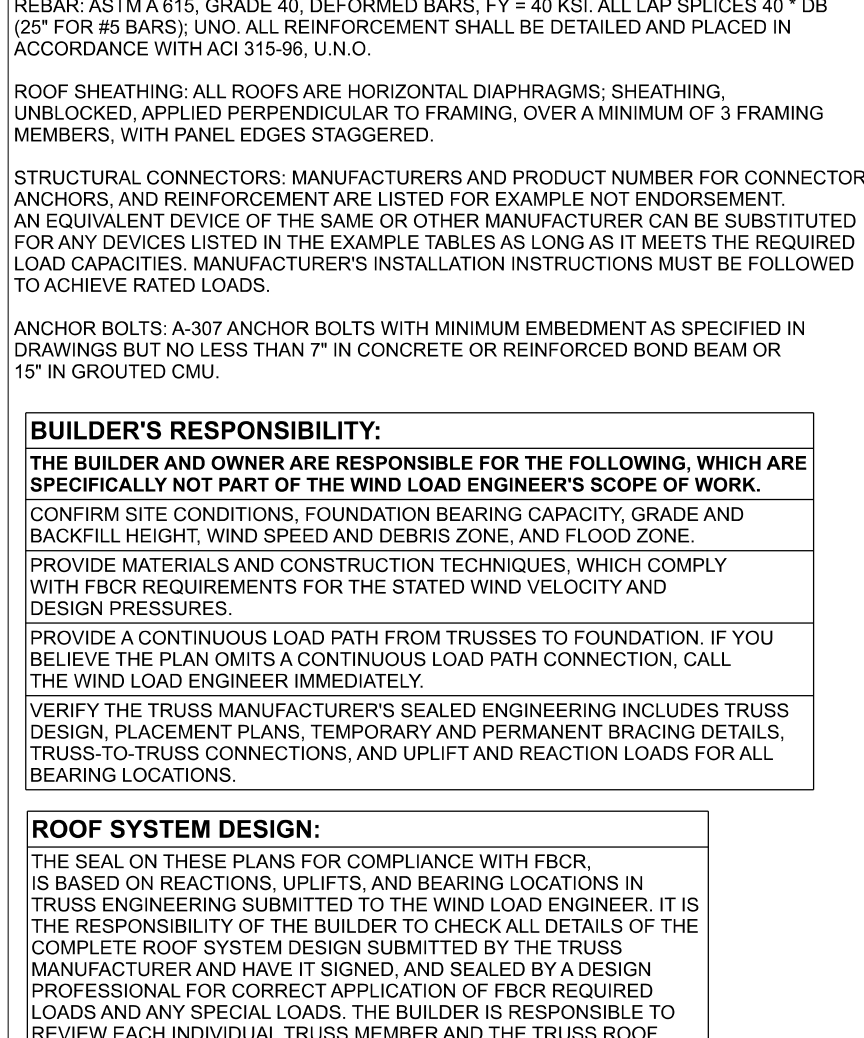
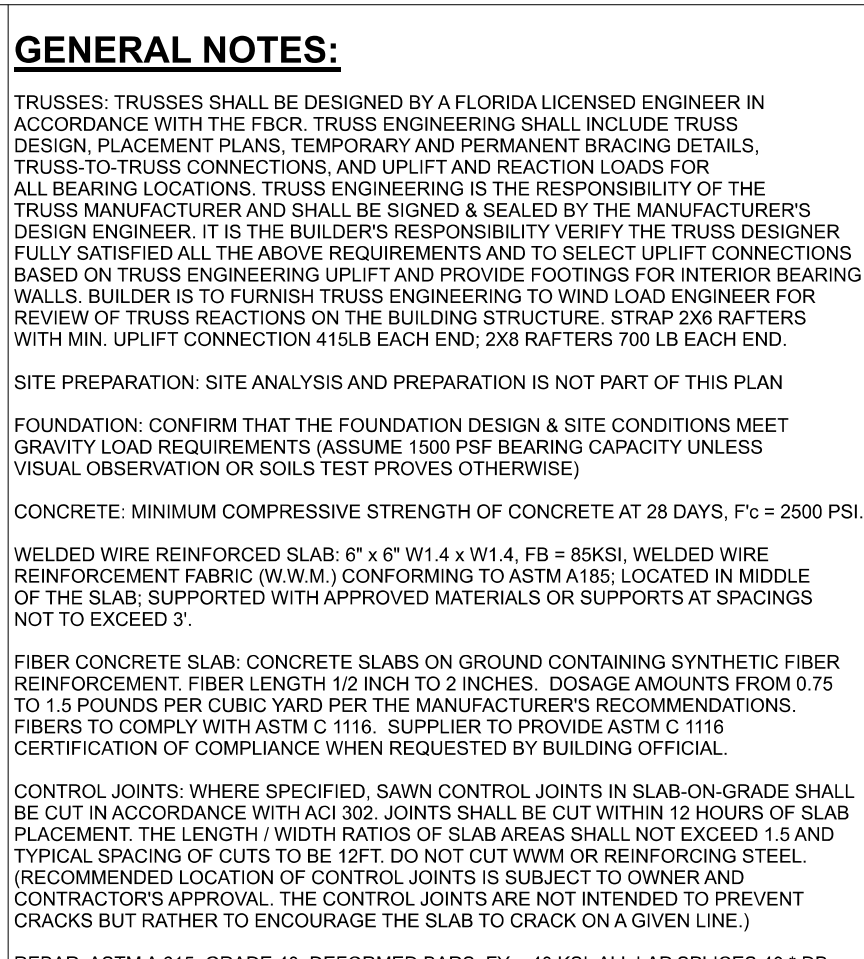
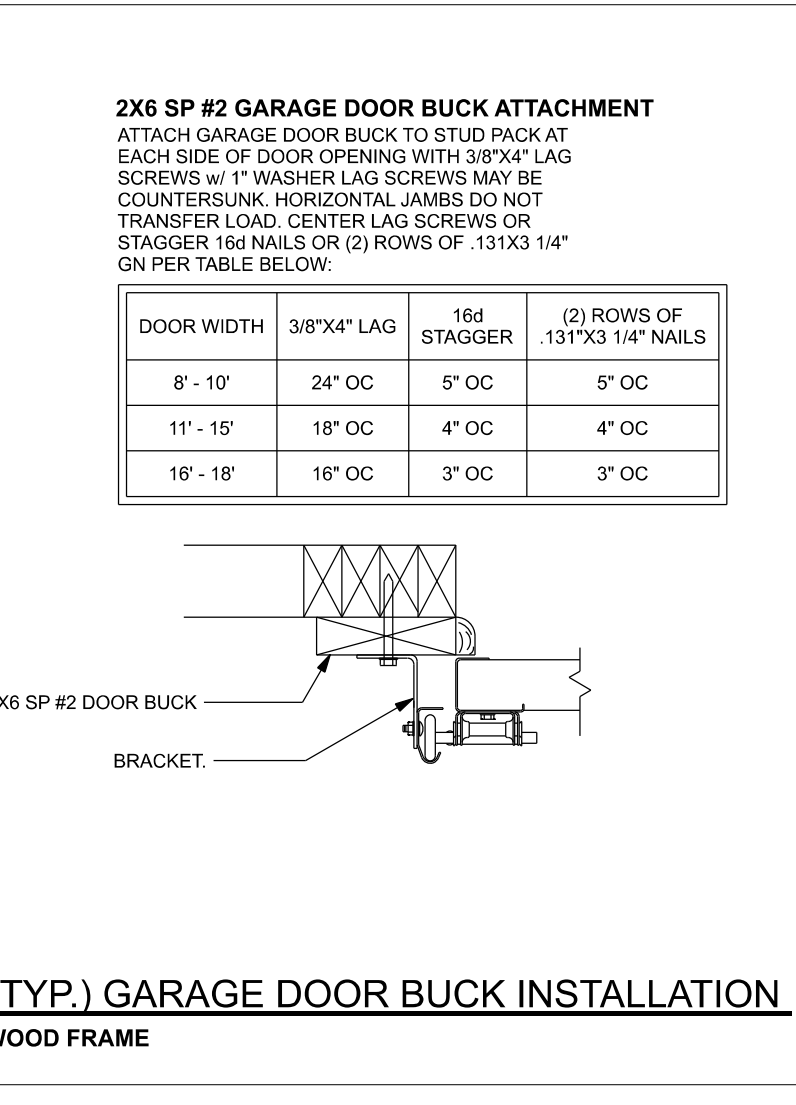
(TYP.) GIRDER TRUSS HOLD DOWN DETAIL WOOD FRAME w/ STRAPS & ANCHORS



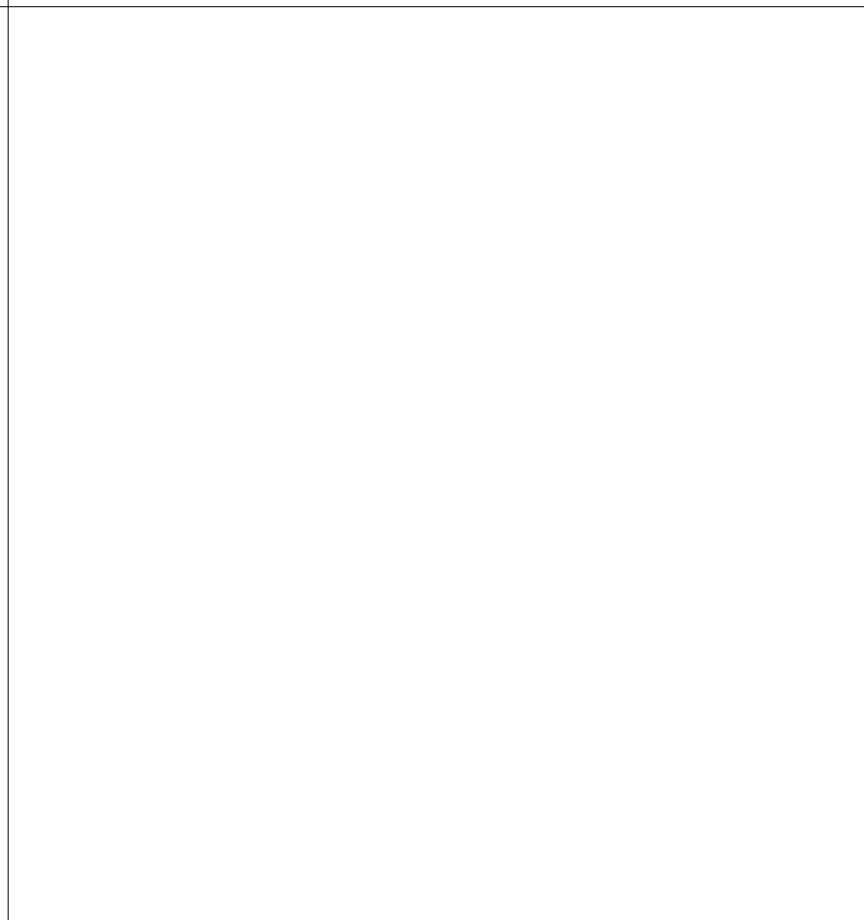
(TYP.) INTERIOR BEARING WALL ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



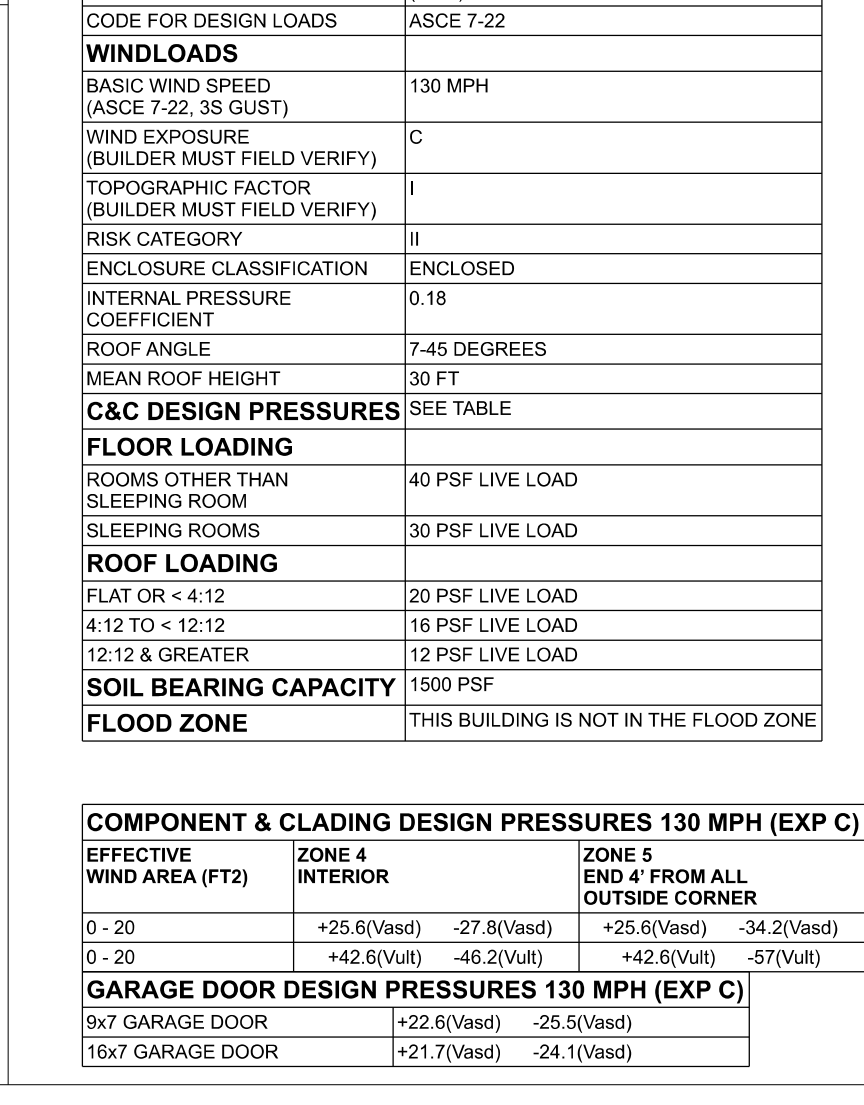
(TYP.) BEAM TO WALL WOOD FRAME w/ STRAPS & ANCHORS



(TYP.) GARAGE DOOR BUCK INSTALLATION WOOD FRAME



(TYP.) GARAGE DOOR BUCK INSTALLATION WOOD FRAME



Menendez Construction

Spec House - 217 SW Blue Jay Ct.

PROJECT ADDRESS: 217 SW Blue Jay Ct., Fort White, FL

FL PE 53915

This item has been digitally signed and sealed by Mark Disoway, P.E. on digital signed and sealed date. Printed copies of this document are not considered signed and sealed. The signature must be verified on any electronic copies.

DESIGN CRITERIA & LOADS:

BUILDING CODE	8TH EDITION FLORIDA BUILDING CODE RESIDENTIAL (2023)
CODE FOR DESIGN LOADS	ASCE 7-22
WINDLOADS	
BASIC WIND SPEED (ASCE 7-22, 3S 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 LIVING ROOM	40 PSF LIVE LOAD
SLEEPING ROOMS	30 PSF LIVE LOAD
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 & CLADING DESIGN PRESSURES 130 MPH (EXP C)

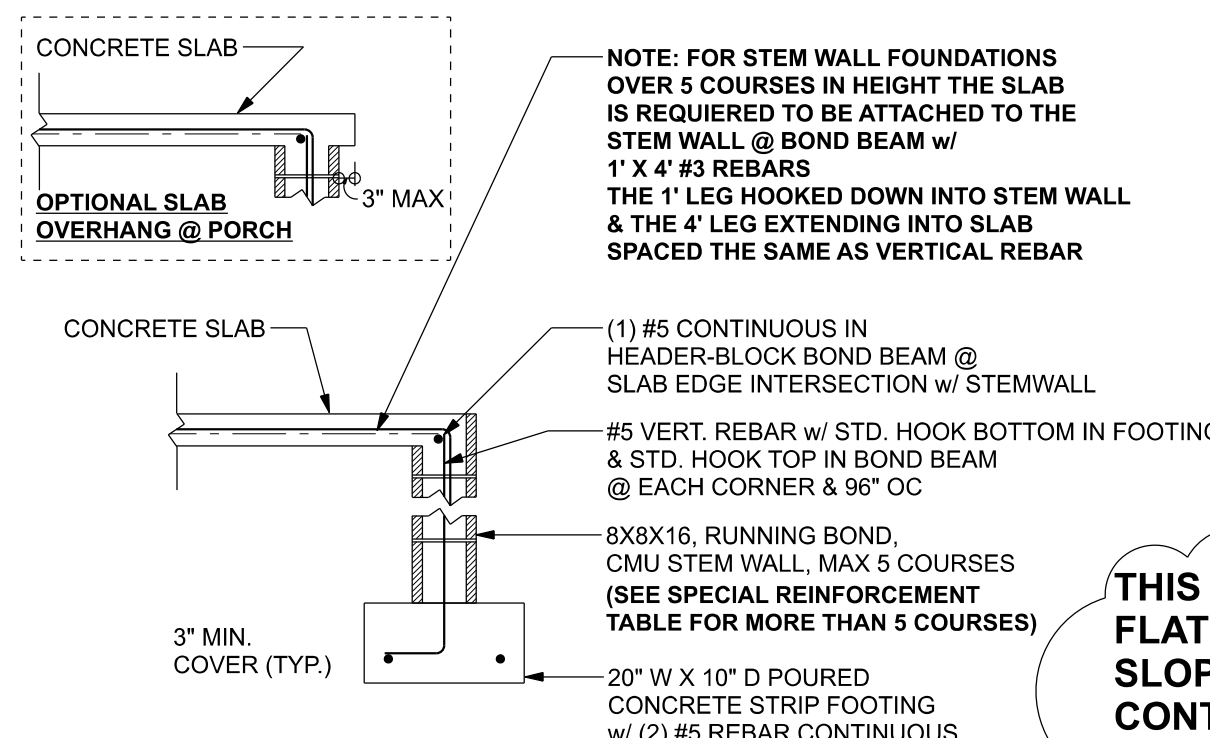
EFFECTIVE WIND AREA (Ft ²)	ZONE 4 INTERIOR	ZONE 5 END 4 FROM ALL OUTSIDE CORNER
0 - 20	+25.6(Vasd) -27.8(Vasd)	+25.6(Vasd) -34.2(Vasd)
0 - 20	+42.6(Vult) -46.2(Vult)	+42.6(Vult) -57(Vult)
GARAGE DOOR DESIGN PRESSURES 130 MPH (EXP C)		
6x7 GARAGE DOOR	+22.6(Vasd) -25.5(Vasd)	
16x7 GARAGE DOOR	+21.7(Vasd) -24.1(Vasd)	

(TYP.) GARAGE DOOR BUCK INSTALLATION WOOD FRAME

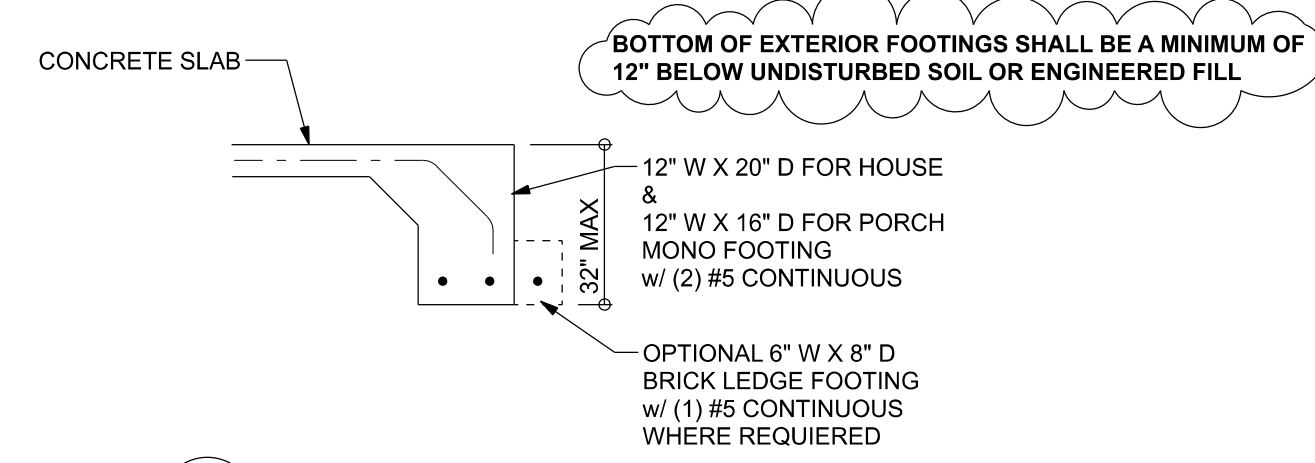
Mark Disoway, P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disowaydesign@gmail.com

JOB NUMBER: 260072

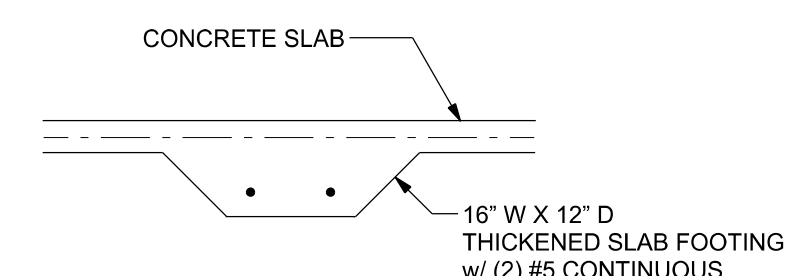
S-1
OF 3 SHEETS



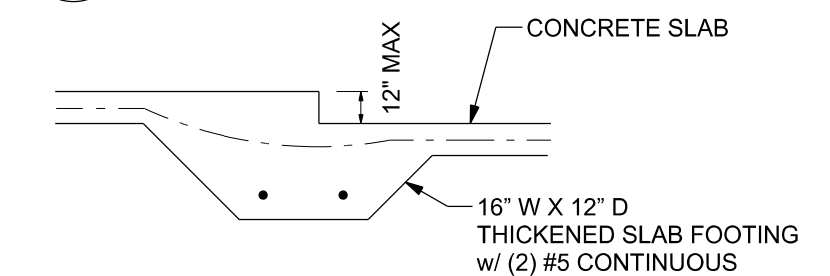
F1 S-2 OPTIONAL STEM WALL FOOTING
SCALE: 1/2" = 1'-0"



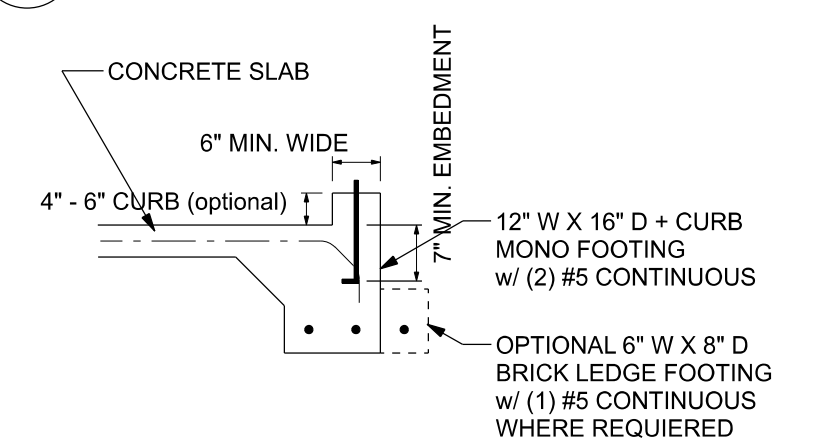
F1 S-2 MONOLITHIC FOOTING
SCALE: 1/2" = 1'-0"



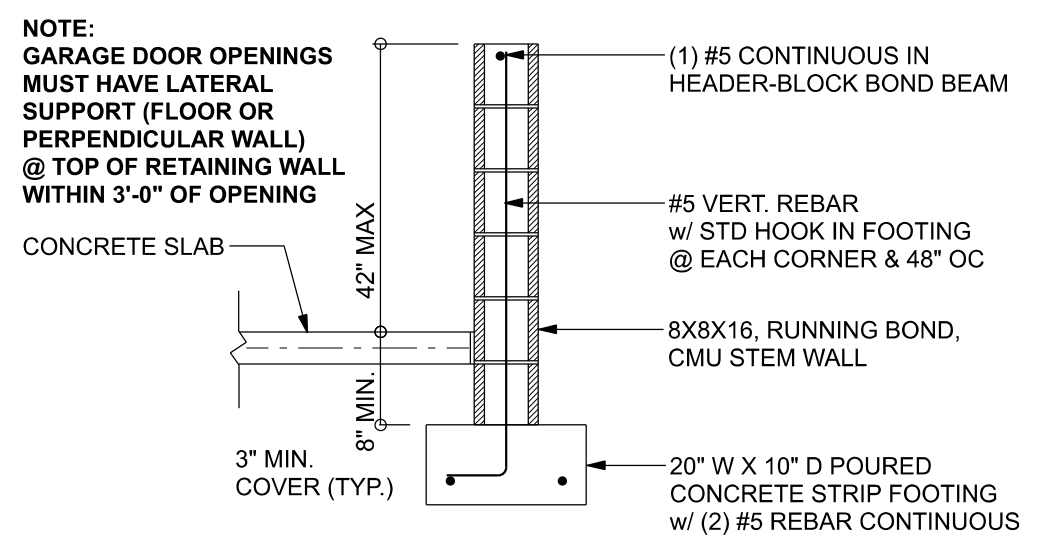
F2 S-2 INTERIOR BEARING FOOTING
SCALE: 1/2" = 1'-0"



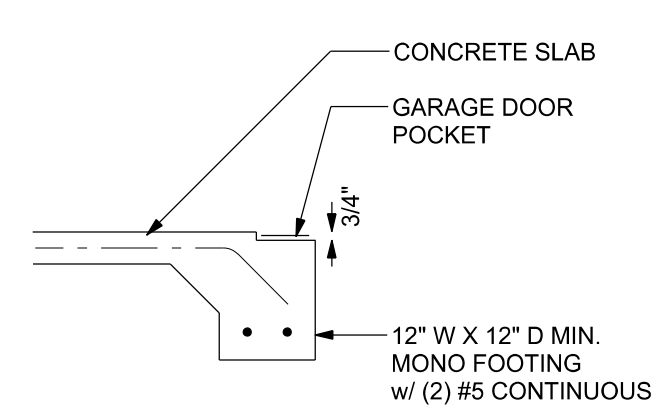
F3 S-2 INTERIOR BEARING STEP FOOTING
SCALE: 1/2" = 1'-0"



F4 S-2 MONOLITHIC CURB FOOTING
SCALE: 1/2" = 1'-0"



F4 S-2 OPTIONAL STEM WALL CURB FOOTING
SCALE: 1/2" = 1'-0"



F5 S-2 GARAGE DOOR POCKET FOOTING
SCALE: 1/2" = 1'-0"

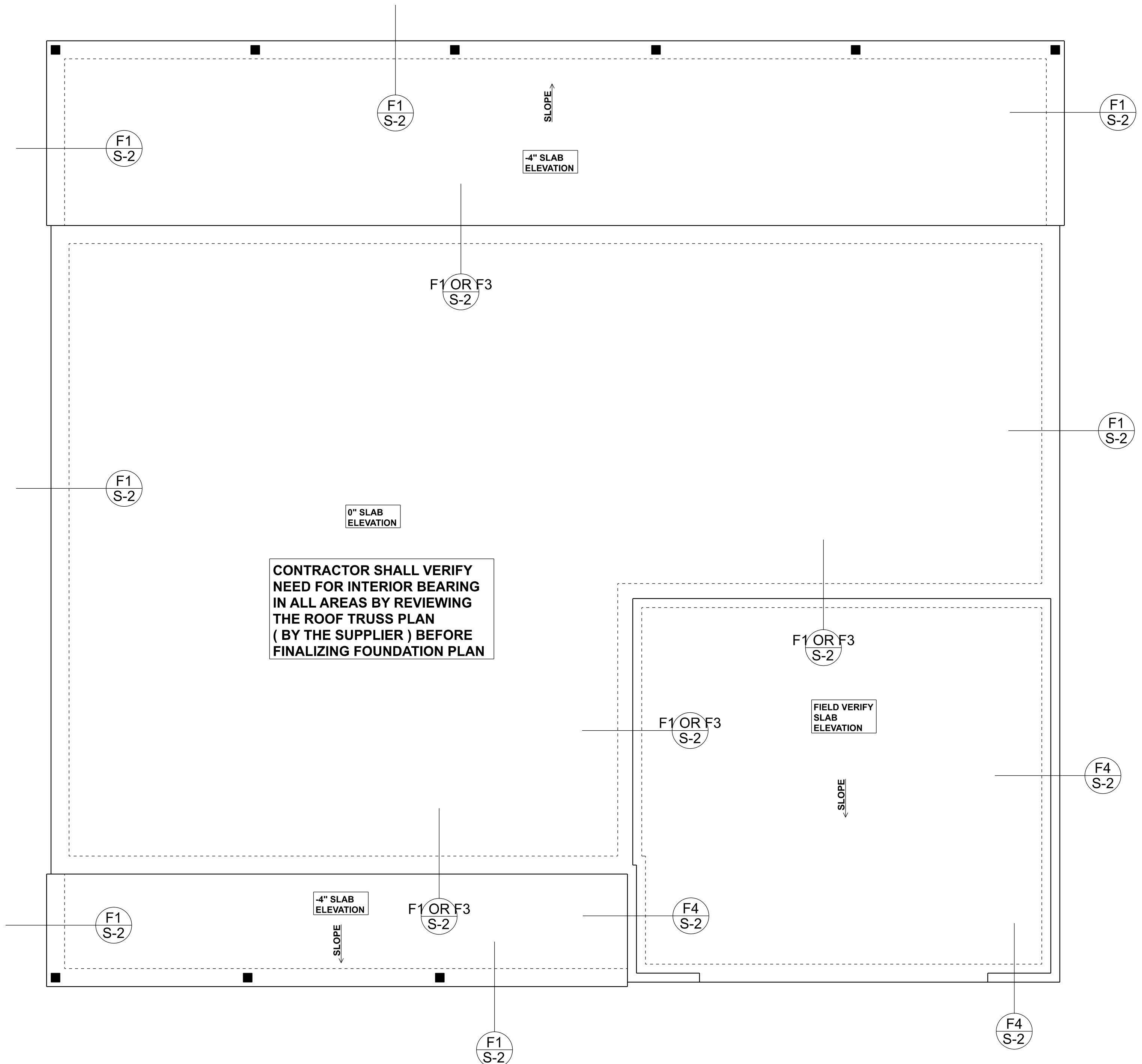
TALL STEM WALL TABLE:
The table assumes 40 ksi for #5 rebar and 60 ksi for #7 & #8 rebar with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall).

STEM WALL 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	
4.0	3.7	96	96	96	96	96	
4.7	4.3	88	96	96	96	96	
5.3	5.0	56	96	96	96	96	
6.0	5.7	40	80	96	96	96	
6.7	6.3	32	56	80	96	96	

THIS FOUNDATION DESIGN IS FOR RELATIVELY FLAT GRADE ONLY. IF FOUNDATION IS ON A STEEP SLOPE THAT EXCEEDS 1' IN 12'. CONTACT ENGINEER BEFORE CONSTRUCTION FOR ADDITIONAL ENGINEERING

MASONRY NOTE:
MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 518/CSA 809). 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.

ACI/530.1-02 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, admixtures require approval
2.3	CMU standard ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 16"x16" column block
2.3	Clay brick standard ASTM C 216-02, Grade SW, Type FBS, 5.5"x2.75"x11.5"
2.4	Reinforcing bars, #3 - #11 ASTM 615, Grade 40, Fy = 40 ksi. Lap splices min 40 bar dia. (25" for #5)
2.4F	Coating for corrosion protection Anchors, sheet metal ties completely embedded in mortar or grout. ASTM A525, Class GR0, 0.60 oz/lb or 304SS
2.4F	Coating for corrosion protection Joint reinforcement in walls exposed to moisture or wire ties, anchors, sheet metal ties not completely embedded in mortar or grout. ASTM A153, Class B2, 1.50 oz/lb or 304SS
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.



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

FOUNDATION NOTES

FN - 1 DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC. DISOSWAY DESIGN GROUP OR MARK DISOSWAY, P.E. IS NOT RESPONSIBLE FOR DIMENSION 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/ (2) #4 @ 12" O.C. WELDED WIRE MESH PLACED ON CHAIRS @ 1 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 6" LAPS SEALED w/ POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL (ALSO, ANY OTHER CODE APPROVED TERMITE-TREATMENT METHOD CAN BE USED INSTEAD).

FOUNDATION DESIGN: Size footings per truss reactions and other loads. Locate footings per truss bearings. Interior shear walls require a thickened slab footing. For point loads > 5000 lb or repetitive loads > 3000 lb per truss provide pad footing 1' x 1' sqft, #5, 8"oc each way per 1500 lb of load.

Menendez Construction
Spec House - 217 SW Blue Jay Ct.
PROJECT ADDRESS: 217 SW Blue Jay Ct., Fort White, FL

FL PE 53915
This item has been digitally signed and sealed by Mark Disosway PE on digital signature date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

DIMENSIONS:
Stated dimensions supercede scaled dimensions. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification.

COPYRIGHTS AND PROPERTY RIGHTS:
Mark Disosway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.

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.

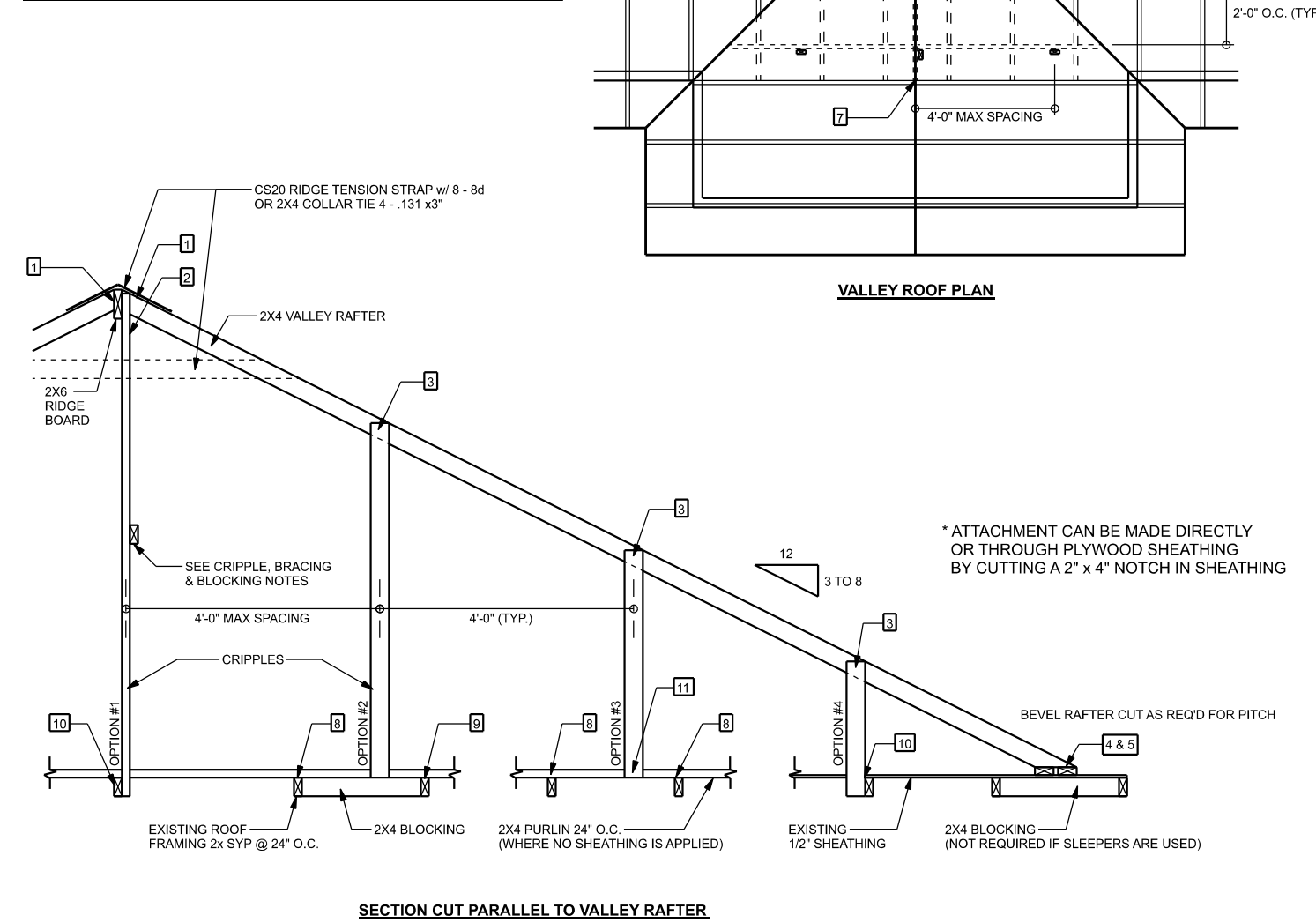
LIMITATION: This design is valid for one building, at specified location.

Mark Disosway P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disoswaydesign@gmail.com

JOB NUMBER:
260072

S-2
OF 3 SHEETS

LUMBER SIZE & GRADE MINIMUM REQUIREMENTS	
RAIDGE BOARD	2X4 SYP #2
RAFTER SPANS 20'-0" OR LESS	2X4 SYP #2
PURLIN / LATERAL BRACING	2X4 SYP #2
SLEEPERS	2X (WIDTH OF RAFTER BEAT CUT) SPF #2 OR 2" MIN. DIA. 2X4 SYP #2
CRIPPLES & BLOCKING	2X4 SYP #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN PINE MATERIAL



ROOF OVER FRAMING & BRACING DETAIL
SCALE: N.T.S.

VALLEY ROOF PLAN MEMBER LEGEND

- TRUSS
- TRUSS UNDER VALLEY FRAMING
- VALLEY RAFTER OR RIDGE
- CRIPPLE

CRIPPLES 4'-0" O.C. FOR 20' (TL) AND 10' (TD) (TYP. SHINGLE ROOF) MAX

CONNECTION REQUIREMENT NOTES

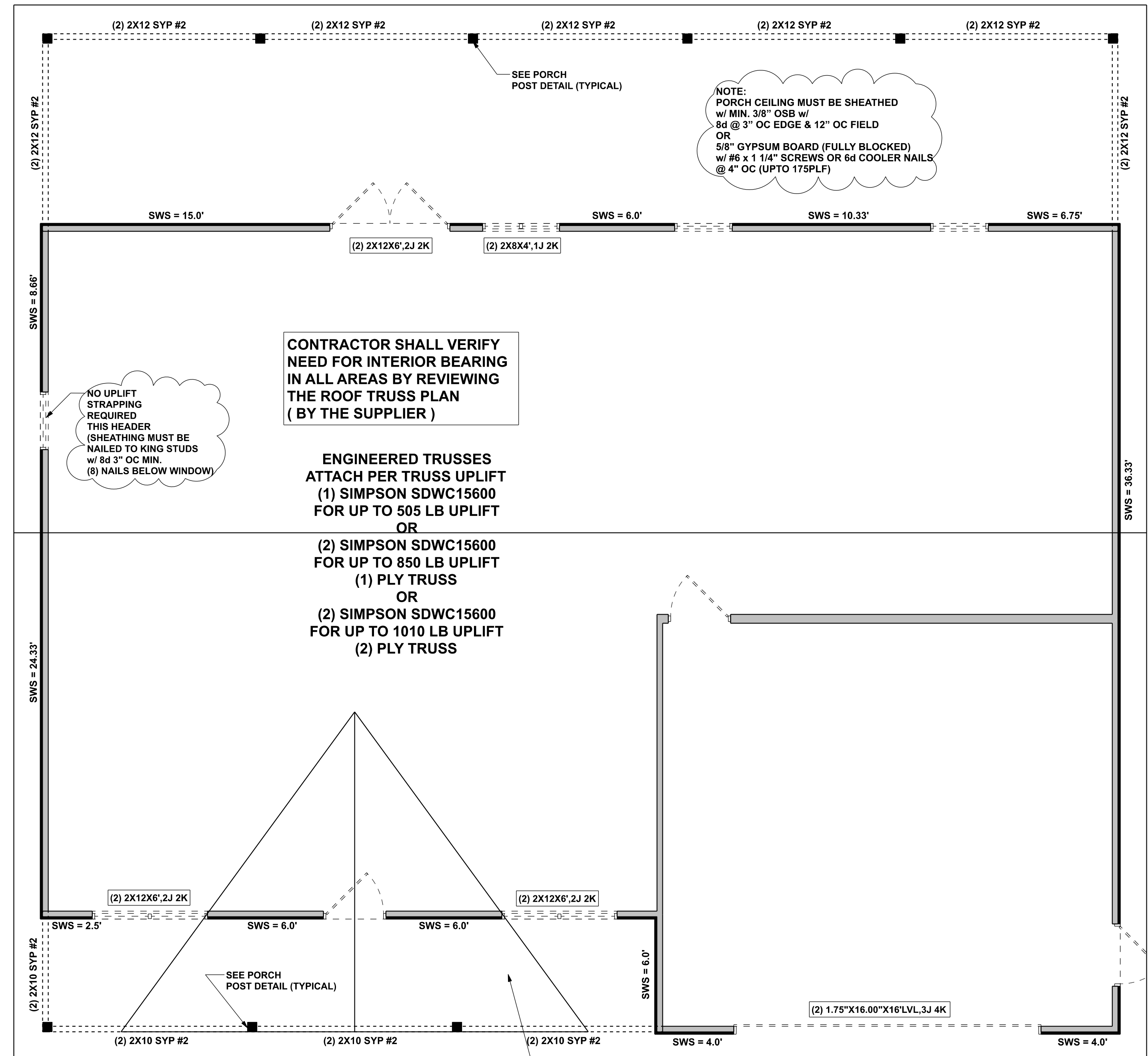
1 2X4 RAFTERS TO RIDGE	4 - 131 x 3" TOE NAILS
2 CRIPPLE TO RIDGE	4 - 131 x 3" FACE NAILS
3 CRIPPLE TO RAFTERS	4 - 131 x 3" FACE NAILS
4 RAFTER TO SLEEPER OR BLOCKING	4 - 131 x 3" TOE NAILS
5 SLEEPER TO TRUSS	4 - 131 x 3" FACE NAILS EACH TRUSS
6 RIDGE BOARD TO RIDGE BLOCK	4 - 131 x 3" TOE NAILS
7 RIDGE BOARD TO TRUSS	4 - 131 x 3" TOE NAILS
8 PURLIN TO TRUSS (TYP.)	4 - 131 x 3" NAILS
9 PURLIN TO TRUSS (IF CRIPPLE IS ATTACHED TO PURLIN)	4 - 131 x 3" NAILS
10 TRUSS TO BLOCKING	4 - 131 x 3" END NAILS
11 CRIPPLE TO PURLIN	4 - 131 x 3" FACE NAILS

GENERAL NOTES

- MAXIMUM RAFTER SPANS: 6'-0" FOR 2X4, 9'-0" FOR 2X6 SPF #2 OR SYP #2
- MAXIMUM ROOF AREA PER SUPPORT: 1992 IN ZONES 2 & 3, 2402 IN ZONE 1, (EXAMPLE: 4'-0" O.C. X 4'-0" SPAN = 1600 SQ FT X 2.4 = 3840)
- PURLIN REQUIRED 2'-0" O.C. IF EXISTING SHEATHING IS REMOVED
- PURLINS FROM TOE BLANK CUTTING ONE TRUSS SPACING MINIMUM IN CASE THAT THE STRUCTURAL COVER SHEATHING IS MINIMUM OF 1/2" AND NAIL UPWARDS THROUGH SHEATHING INTO PURLIN WITH A MINIMUM OF 1-1/2 COMMON WIRE NAILS
- THIS DRAWING APPLIES TO VALLEYS WITH THE FOLLOWING CONDITIONS:
 - SPAN DISTANCES BETWEEN HEADS: 6'-0" OR LESS
 - MAXIMUM VALLEY HEIGHT: 14'-0" OR LESS
 - MAXIMUM WIND SPEED: 135 MPH
 - MAXIMUM MEAN ROOF HEIGHT: 30 FEET
 - MAXIMUM TOTAL LENGTH: 40 FEET
- MEET ALL APPLICABLE WIND REQUIREMENTS
- EXPOSURE CATEGORY: 'C' (1=10, K=1, L=1)
- ENCLOSED BUILDING

CRIPPLE BRACING & BLOCKING NOTES

- 2X4 CONTINUOUS LATERAL BRACE (CLB) MIN. IS REQUIRED FOR CRIPPLES 5'-0" TO 10'-0" LONG
- NAILS: 2 - 10 NAILS OR 2X4 1" OR SCAB BRACE NAILS TO FLAT EDGE OF CRIPPLE WITH NAILS @ 9" O.C. 1" OR SCAB MUST BE 50% OF CRIPPLE LENGTH CRIPPLES OVER 10'-0" LONG REQUIRE TWO SCAB OR BOTH FACES 1" OR SCAB USE STRESS GRADED LUMBER A BOX OR COMMON NAILS
- NARROW EDGE OF CRIPPLE CAN FACE RIDGE OR RAFTER AS LONG AS THE PROPER NUMBER OF NAILS ARE INSTALLED INTO RIDGE BOARD
- INSTALL BLOCKING UNDER RAFTER IF SLEEPERS ARE NOT USED
- INSTALL BLOCKING UNDER CRIPPLES IF CRIPPLES FALL BETWEEN LOWER TRUSS TOP CHORDS AND LATERAL BRACING IS NOT USED
- APPLY ALL NAILING IN ACCORDANCE TO NDS-199 SECTION 12, NAILS ARE COMMON WIRE NAILS UNLESS NOTED OTHERWISE



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

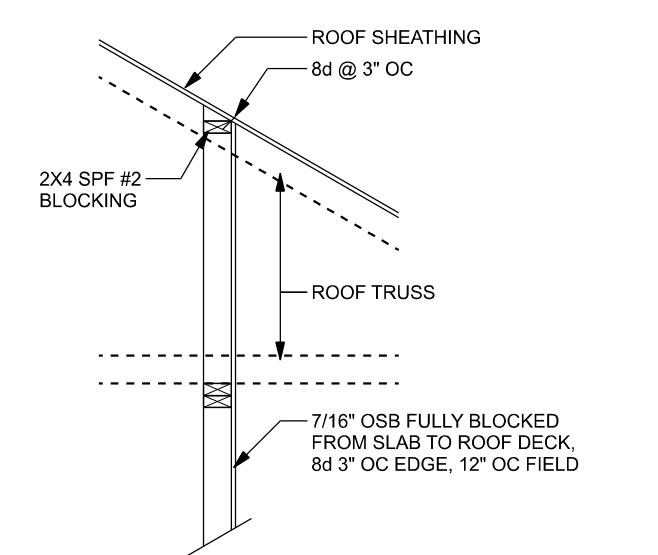
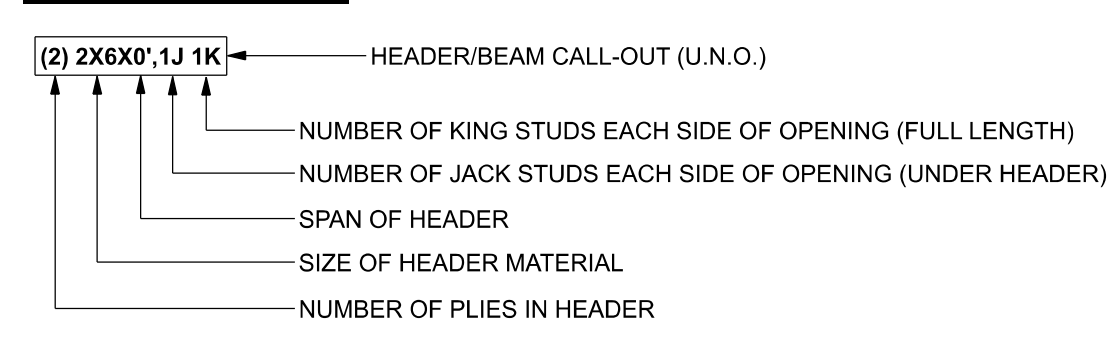
STRUCTURAL PLAN NOTES

- SN-1 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS.
- SN-2 LATERAL BRACING IS TO BE RESTRAINED PER BCSI-03, BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

ACTUAL vs REQUIRED SHEARWALL		
	TRANSVERSE	LONGITUDINAL
ACTUAL	18076 LBF	14419 LBF
REQUIRED	17232 LBF	10968 LBF

UNLESS NOTED OTHERWISE (MINIMUM REQUIREMENTS)	
SEE STRUCTURAL PLAN FOR ANY SPECIFIC CALL OUTS	
BEAM / HEADERS (SIZE)	ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 SP #2 (UNO)
HEADERS (JACK & KING STUDS)	ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (UNO)
HEADERS (STRAPPING)	ALL HEADERS w/ UPLIFT TO BE STRAPPED OR SCREWED DOWN w/ MIN. OPTION #2 OR OPTION #3 (SEE DETAIL ON SHEET S-1) (U.N.O.) 1/2" X 10" ANCHOR BOLT w/ 3" X 3" X 1/4" WASHER MUST BE LOCATED WITHIN 6" OF KING STUD @ ALL DOOR LOCATIONS (U.N.O.)
JACK STUDS UNDER GIRDER TRUSS	USE ONE JACK STUD GIRDER SUPPORT PER 2000 LB LOAD

HEADER LEGEND



ALTERNATE IF TRUSSES ARE PERPENDICULAR TO SHEARWALL

NOTE: IF THE ABOVE DETAIL IS USED ON THE FRONT & REAR PORCH WALL THE FRONT & REAR PORCH CEILING DOES NOT NEED TO BE SHEATHED

Mendez Construction
Spec House - 217 SW Blue Jay Ct.
PROJECT ADDRESS: 217 SW Blue Jay Ct., Fort White, FL

FL PE 53015
This item has been digitally signed and sealed by Mark Disosway P.E. on digital signature date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

DIMENSIONS: Stated dimensions supercede scaled dimensions. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification.
COPYRIGHTS AND PROPERTY RIGHTS: Mark Disosway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.
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 2018 Edition Florida Building Code Residential (2023) to the best of my knowledge.
LIMITATION: This design is valid for one building, at specified location.

Mark Disosway P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disoswaydesign@gmail.com

JOB NUMBER:
260072
S-3
OF 3 SHEETS