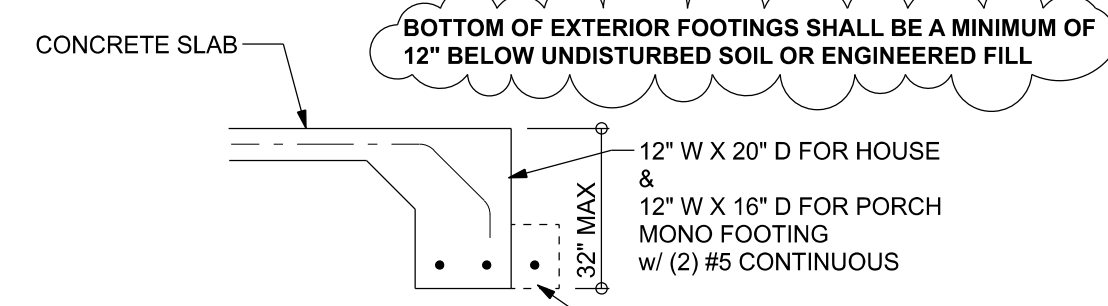
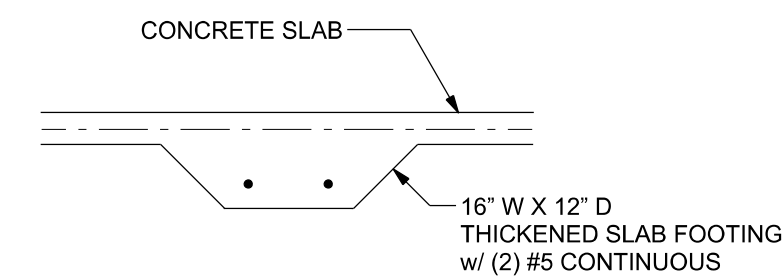


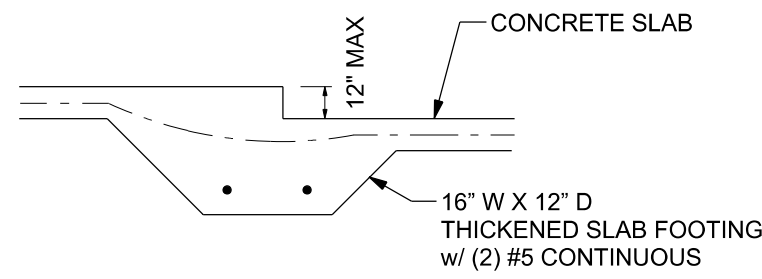
**F1 S-2** STEM WALL FOOTING  
SCALE: 1/2" = 1'-0"



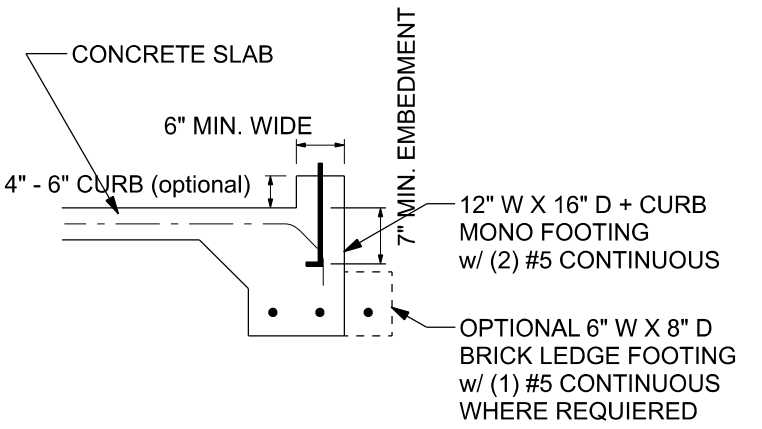
**F1 S-2** OPTIONAL MONOLITHIC FOOTING  
SCALE: 1/2" = 1'-0"



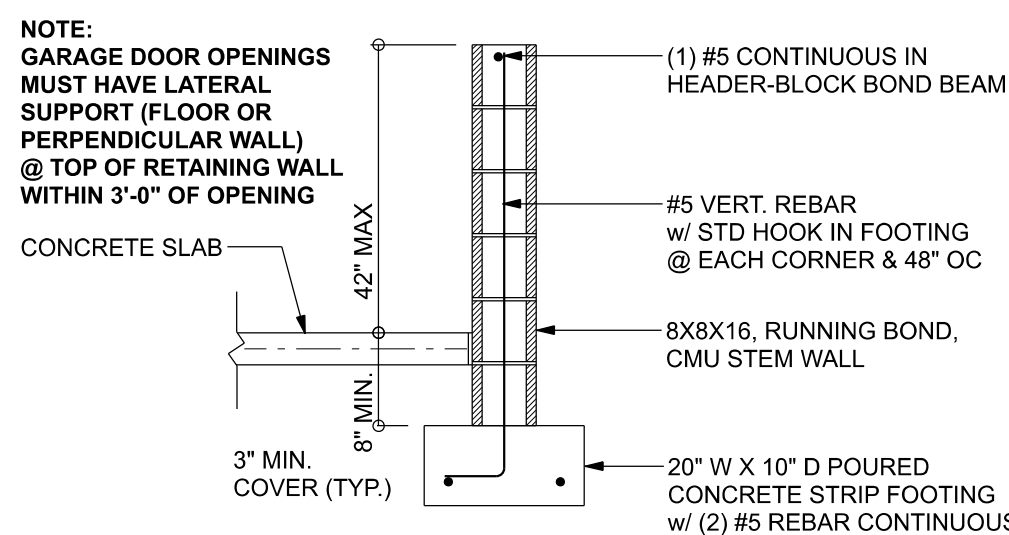
**F2 S-2** INTERIOR BEARING FOOTING  
SCALE: 1/2" = 1'-0"



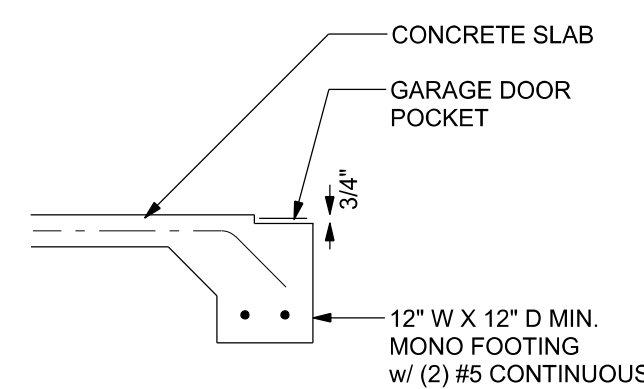
**F3 S-2** INTERIOR BEARING STEP FOOTING  
SCALE: 1/2" = 1'-0"



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



**F4 S-2** 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 STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (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

**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 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.**

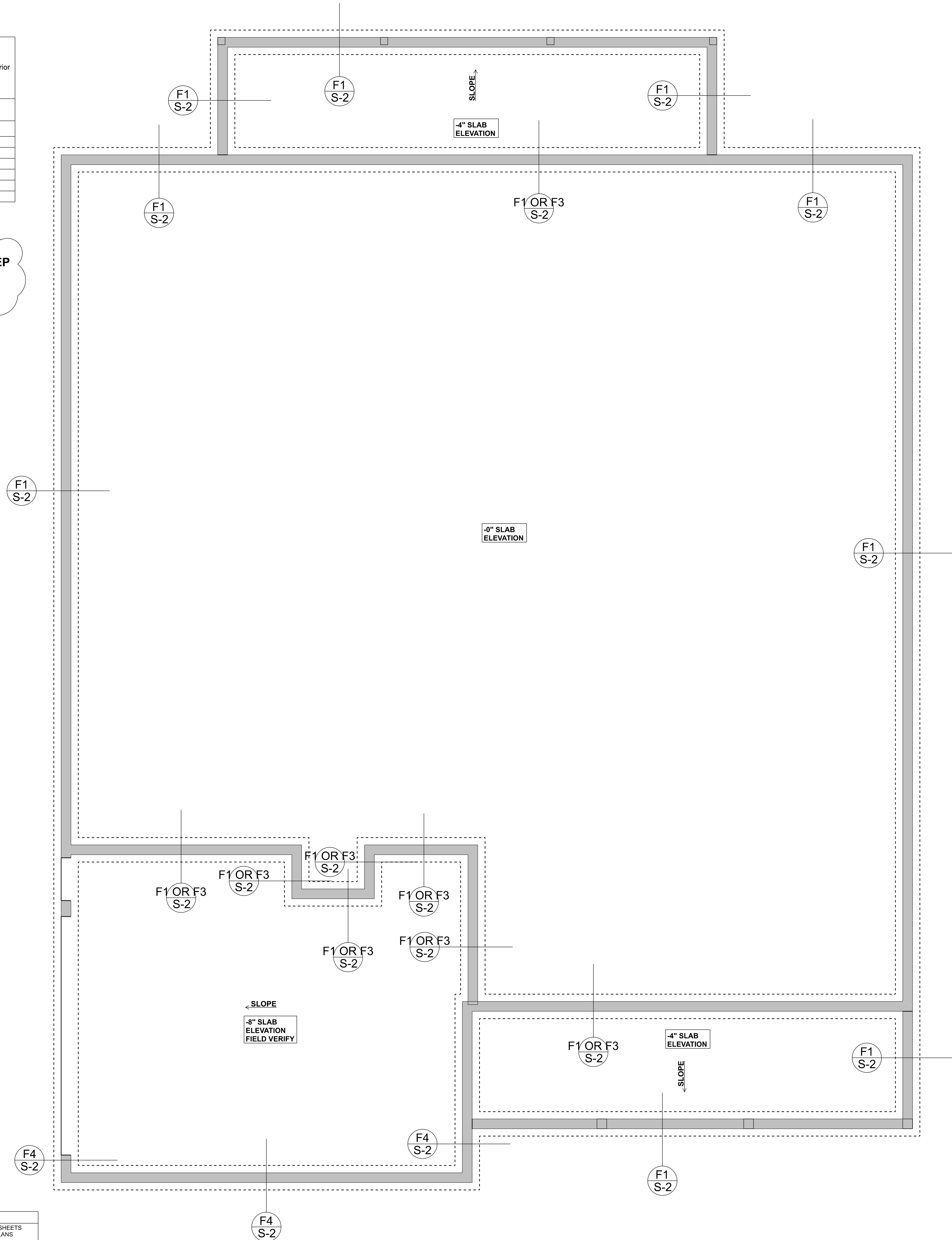
ACI 530.1-02 Section	Specific Requirements
1.4A Compressive strength	8" block bearing walls F <sub>m</sub> = 1500 psi
2.1 Mortar	ASTM C 270, Type N, UNO
2.2 Grout	ASTM C 476, admixtures require approval
2.3 CMU standard	ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond 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, F <sub>y</sub> = 40 ksi, Lap splices min 48 bar dia. (25" for #5)
2.4F Coating for corrosion protection	Anchors, sheet metal ties completely embedded in mortar or grout, ASTM A525, Class 080, 0.60 to 0.72 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 02, 1.50 to 0.72 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**

- 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.
- CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
- THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED w/ 6X6-1/4" WELDED WIRE MESH PLACED ON CHAIRS @ 1'12" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 6" LAPS SEALED w/ POLY TAPE OVER TERMITES-TREATED & COMPACTED FILL.



Gibraltar Contracting, LLC

Moore Residence

PROJECT ADDRESS:  
229 SW Legacy Glen Lake City, FL 32025

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.

3/2/2026

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

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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.

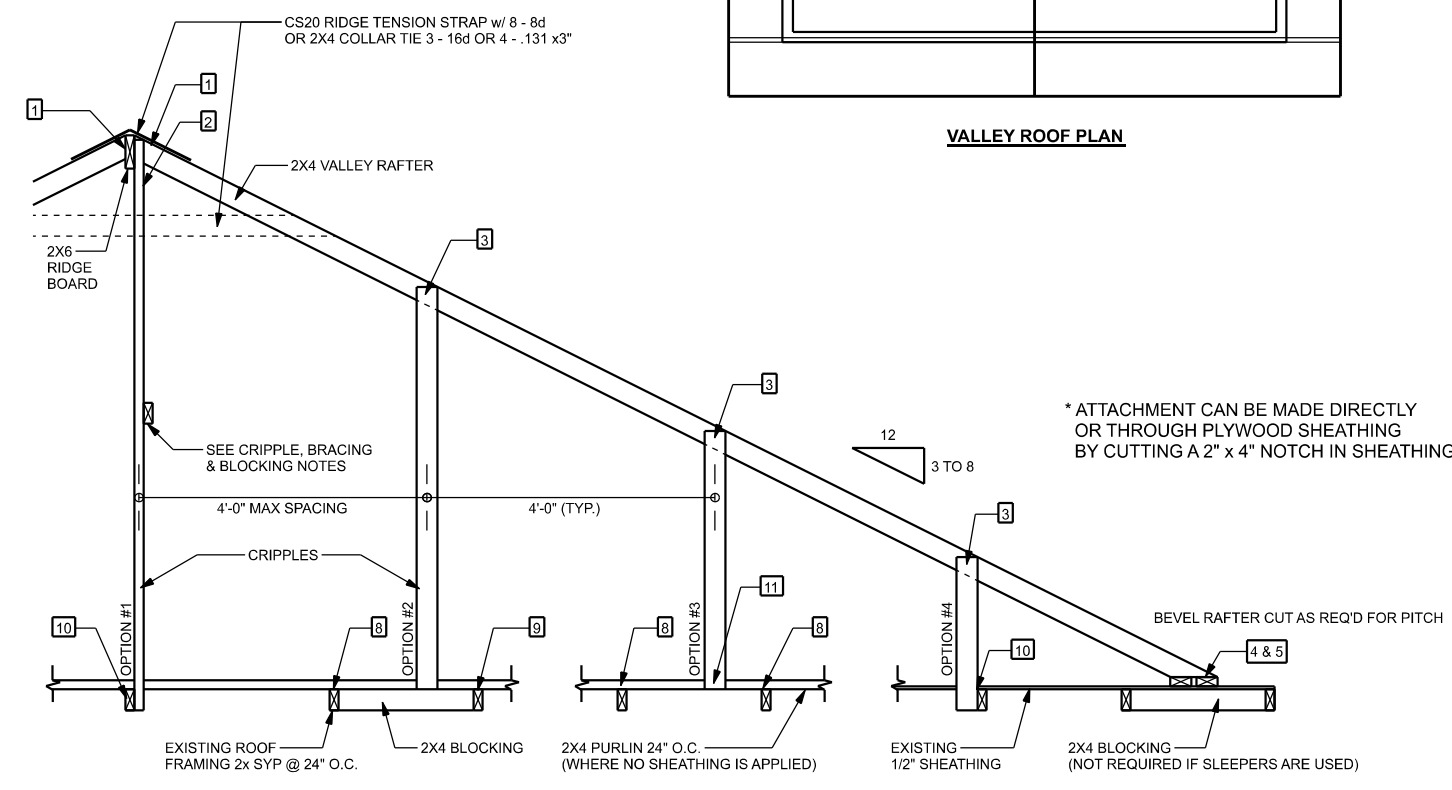
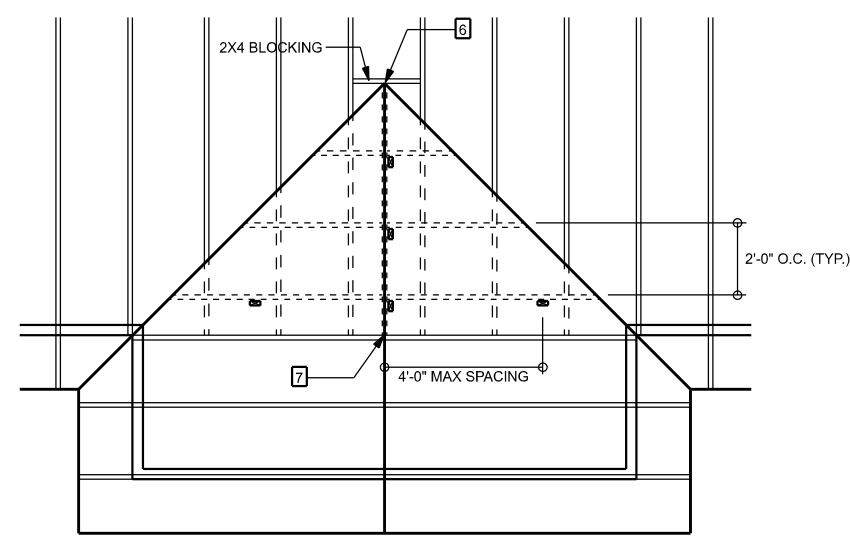
**LIMITATION:** This design is valid for one building, at specified location.

**Mark Disosway P.E.**  
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386.754.5419  
disoswaydesign@gmail.com

**JOB NUMBER:**  
260042

**S-2**  
OF 3 SHEETS

LUMBER SIZE & GRADE MINIMUM REQUIREMENTS	
RIDGE BOARD	2X6 SYP #2
RAFTER SPANS 20'-0" OR LESS	2X4 SYP #2
PURLINS / LATERAL BRACING	2X4 SPF #2
SLEEPERS	2X4 SYP #2 OR 2X4 PARALLEL 2X4 SPF #3
CRIPPLES & BLOCKING	2X4 SPF #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN PINE MATERIAL



SECTION CUT PARALLEL TO VALLEY RAFTER

VALLEY ROOF PLAN MEMBER LEGEND

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

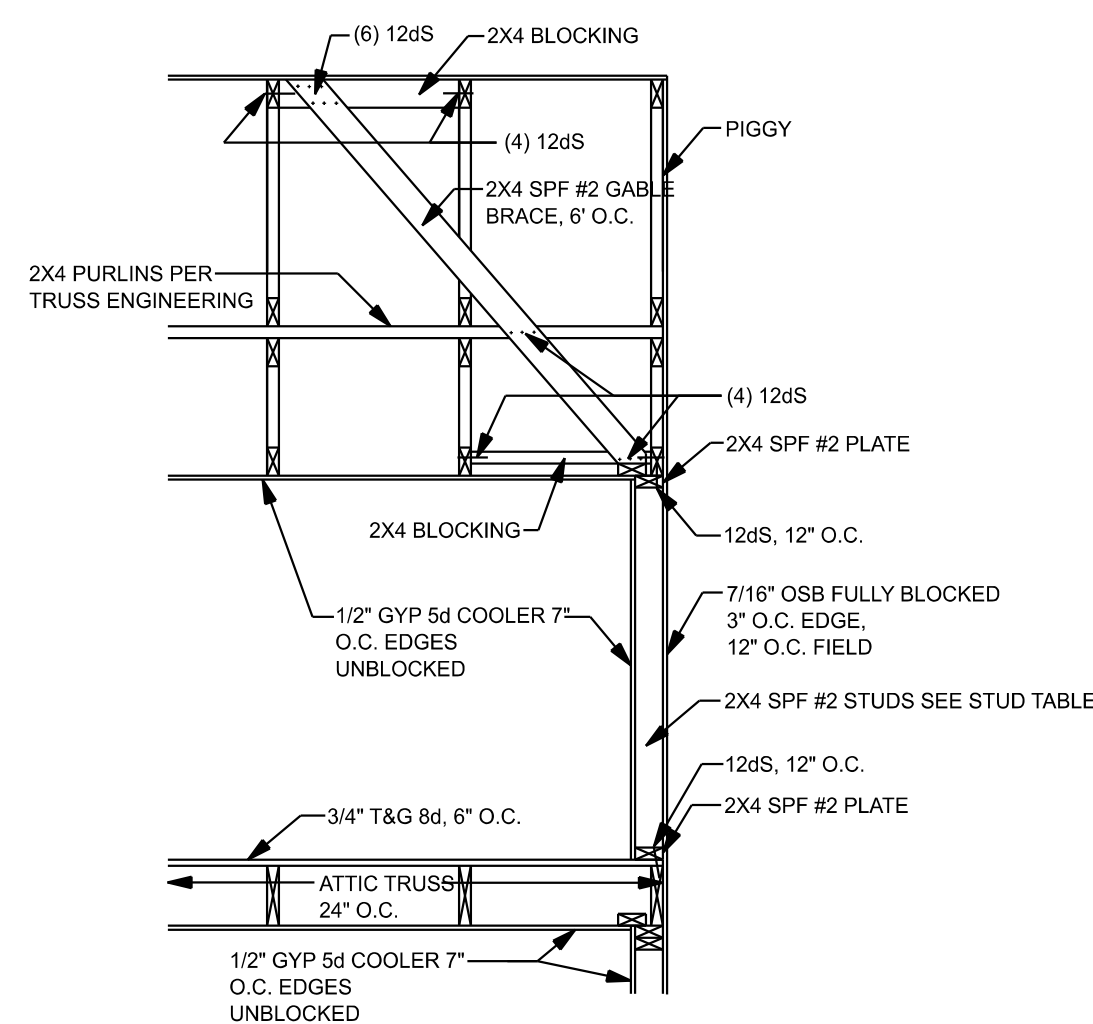
CRIPPLES 4'-0" O.C. FOR 20' (TL) AND 10' (TR) (TYP. SHINGLE ROOF) MAX

CONNECTION REQUIREMENT NOTES

1. 2X4 RAFTERS TO RIDGE	3-16d OR 6 - 13d x 3" TOE NAILS
2. CRIPPLE TO RIDGE	3-16d OR 6 - 13d x 3" FACE NAILS
3. CRIPPLE TO RAFTERS	3-16d OR 6 - 13d x 3" FACE NAILS
4. RAFTER TO SLEEPER OR BLOCKING	6-16d OR 12 - 13d x 3" TOE NAILS
5. SLEEPER TO TRUSS	4-16d OR 8 - 13d x 3" FACE NAILS EACH TRUSS
6. RIDGE BOARD TO ROOF BLOCK	3-16d OR 6 - 13d x 3" TOE NAILS
7. RIDGE BOARD TO TRUSS	3-16d OR 6 - 13d x 3" TOE NAILS
8. PURLIN TO TRUSS (TYP)	4-16d OR 8 - 13d x 3" NAILS
9. PURLIN TO TRUSS IF CRIPPLES ATTACHED TO PURLIN	4-16d OR 8 - 13d x 3" NAILS
10. TRUSS TO BLOCKING	3-16d OR 6 - 13d x 3" END NAILS
11. CRIPPLE TO TRUSS	3-16d OR 6 - 13d x 3" FACE NAILS
12. CRIPPLE TO PURLIN	3-16d OR 6 - 13d x 3" FACE NAILS

ROOF OVER FRAMING & BRACING DETAIL

SCALE: N.T.S.



BONUS ROOM / GABLE END BRACING

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

GENERAL NOTES

MAXIMUM RAFTER SPANS

MAXIMUM ROOF ANGLE FOR SUPPORT

16d IN ZONES 2 & 3 - 20d IN ZONE 1 (EXAMPLE: 4'-0" O.C. x 4'-0" SPAN)

16d OR 20d O.C. SPAN = 16d

PURLINS REQUIRED 2'-0" O.C. IF EXISTING SHEATHING IS REMOVED.

PURLINS SHOULD OVERLAP SHEATHING ONE TRUSS BRACING MINIMUM.

IN CASES THAT THIS IS IMPRACTICAL, OVERLAP SHEATHING MINIMUM

OF 6" AND NAIL UPWARDS THROUGH SHEATHING INTO PURLIN WITH A

MINIMUM OF 4" COMMON WIRE NAILS.

THIS DRAWING APPLIES TO VALLEYS WITH THE FOLLOWING CONDITIONS:

SPACING DISTANCE BETWEEN TRUSSES 12'-0" OR LESS

MAXIMUM VALLEY HEIGHT 14'-0" OR LESS

MAXIMUM WIND SPEED 130 MPH

MAXIMUM MEAN ROOF HEIGHT 30 FEET

MAXIMUM TOTAL LENGTH 40 FEET

WIND RESISTANCE CATEGORY C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

EXPOSURE CATEGORY C, 1 - 10, Kd = 1.0

ENCLOSURE BRACING

CRIPPLE BRACING & BLOCKING NOTES

2X4 CONTINUOUS LATERAL BRACE (CLB) MIN. IS REQUIRED FOR CRIPPLES 5'-0" TO 10'-0" LONG

NAILS #2 - 16d NAILS OR 2X4 11" (18" SQUARE NAILS) TO FLAT EDGE OF CRIPPLE

WITH 16d NAILS @ 8" O.C. 11" OR SCAB MUST BE 80% OF CRIPPLE LENGTH. CRIPPLES

OVER 10' LONG USING THIS CODE OR BOTH FACES 11" OR SCAB USE STRESS

GRADED LUMBER & BOX OR COMMON NAILS

MINIMUM EDGE OF CRIPPLE CAN FACE RIDGE OR RAFTER

AS LONG AS THE PROPER NUMBER OF NAILS ARE

INSTALLED AND CRIPPLE BRACING

INSTALL BLOCKING UNDER RAFTER IF SLEEPERS ARE NOT USED.

INSTALL BLOCKING UNDER CRIPPLES IF CRIPPLES FALL BETWEEN

LOWER TRUSS TOP CHORDS AND SYSTEM BRACING IS NOT USED.

APPLY ALL NAILING IN ACCORDANCE TO 16d-18d SECTION 14. NAILS ARE COMMON WIRE

NAILS UNLESS NOTED OTHERWISE.

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 SP #2 (U.N.O.)
- SN-2 ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (U.N.O.)
- SN-3 USE ONE JACK STUD GIRDER SUPPORT PER 2500 LB LOAD
- SN-4 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-5 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. 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

HEADER LEGEND

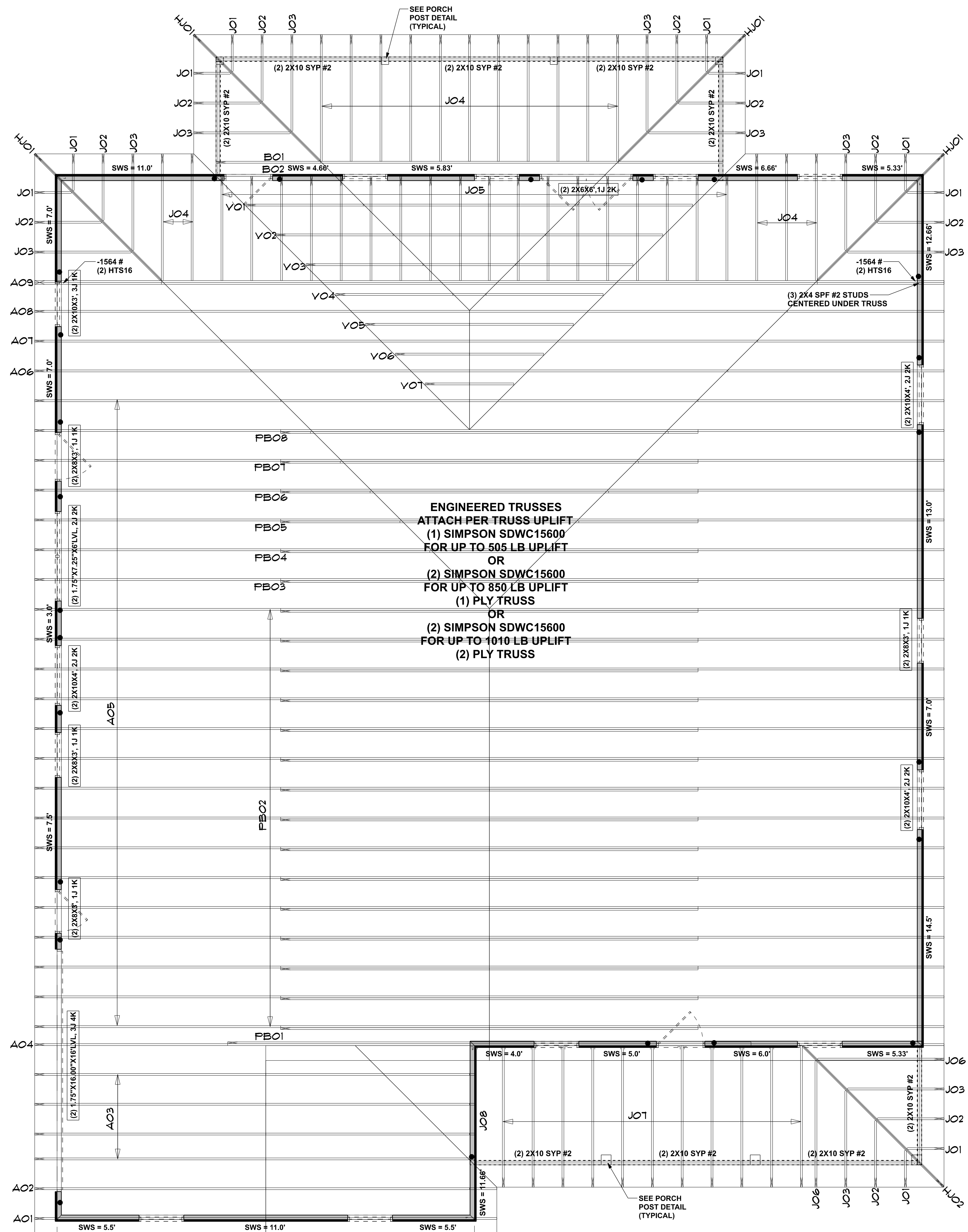
- (2) 2X6X0', 1J 1K - HEADER/BEAM CALL-OUT (U.N.O.)
- NUMBER OF KING STUDS (FULL LENGTH)
- NUMBER OF JACK STUDS (UNDER HEADER)
- SPAN OF HEADER
- SIZE OF HEADER MATERIAL
- NUMBER OF PLYS IN HEADER

THREADED ROD LEGEND

- INDICATES LOCATION OF: 3/8" A307 ALL THREADED ROD

ACTUAL vs REQUIRED SHEARWALL

	TRANSVERSE	LONGITUDINAL
ACTUAL	24618 LBF	19996 LBF
REQUIRED	23163 LBF	15034 LBF



STRUCTURAL PLAN

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

CONNECTIONS, WALL & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER, W.B. HOWLAND TRUSS CO. JOB #26-3432

Gibraltar Contracting, LLC

Moore Residence

PROJECT ADDRESS: 229 SW Legacy Glen Lake City, FL 32025

FL PE 53915

This item has been digitally signed and sealed by Mark Discoway 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.

3/2/2026

DIMENSIONS: State dimensions supersede scaled dimensions. Refer all questions to Mark Discoway P.E. for resolution. Do not proceed without clarification.

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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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JOB NUMBER:  
260042

S-3  
OF 3 SHEETS