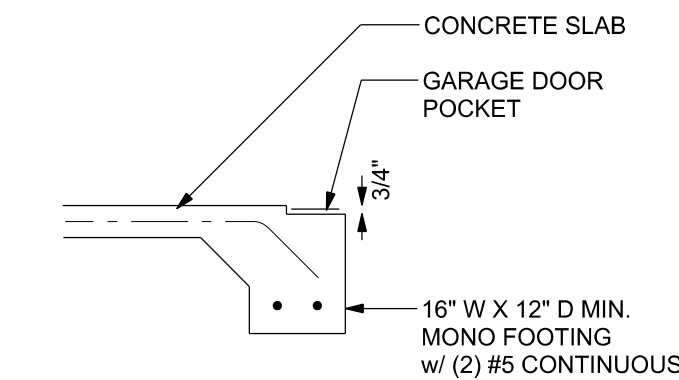
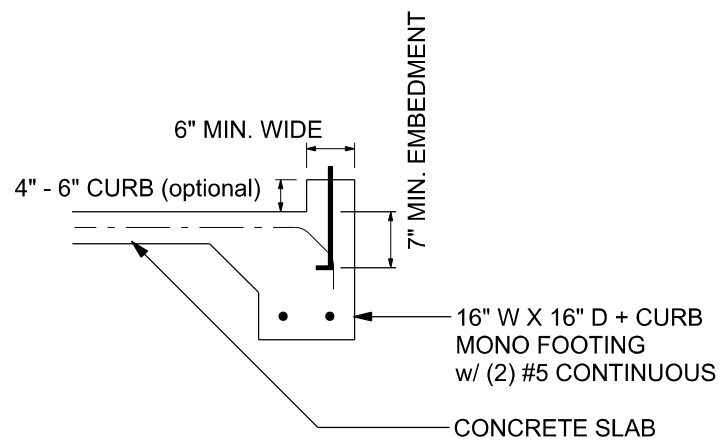
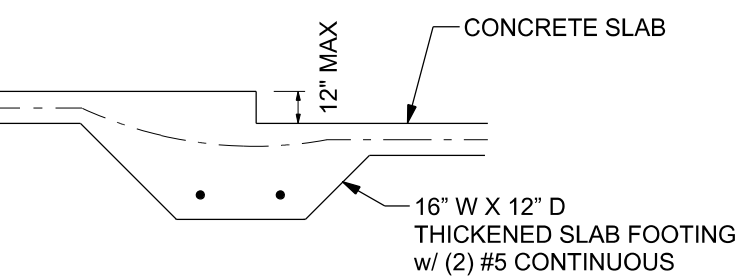
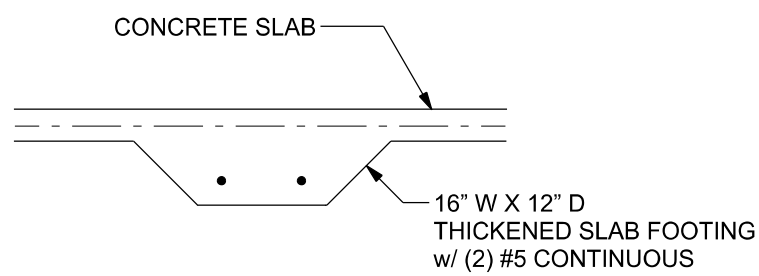


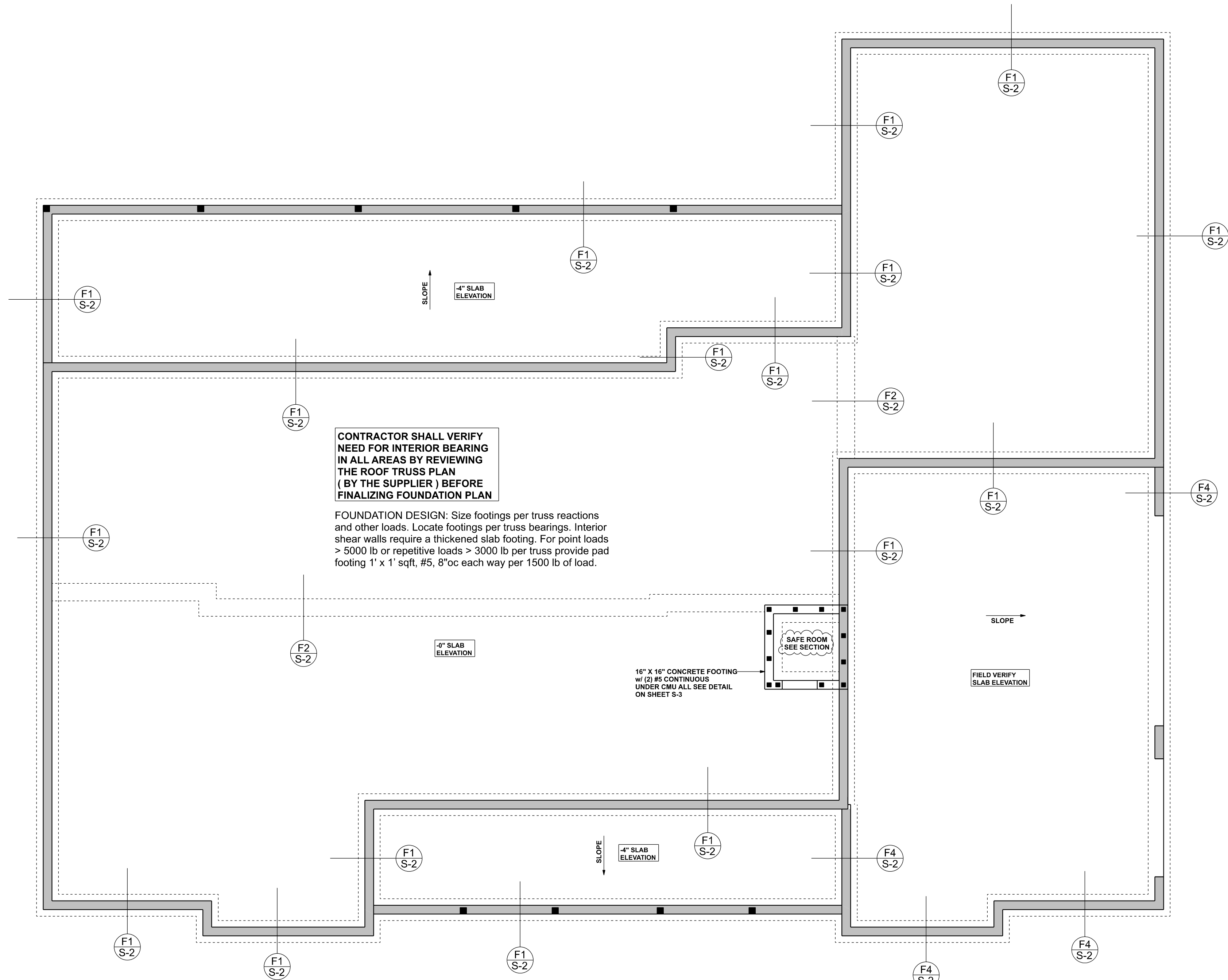
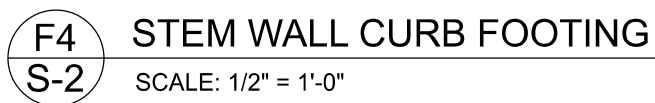
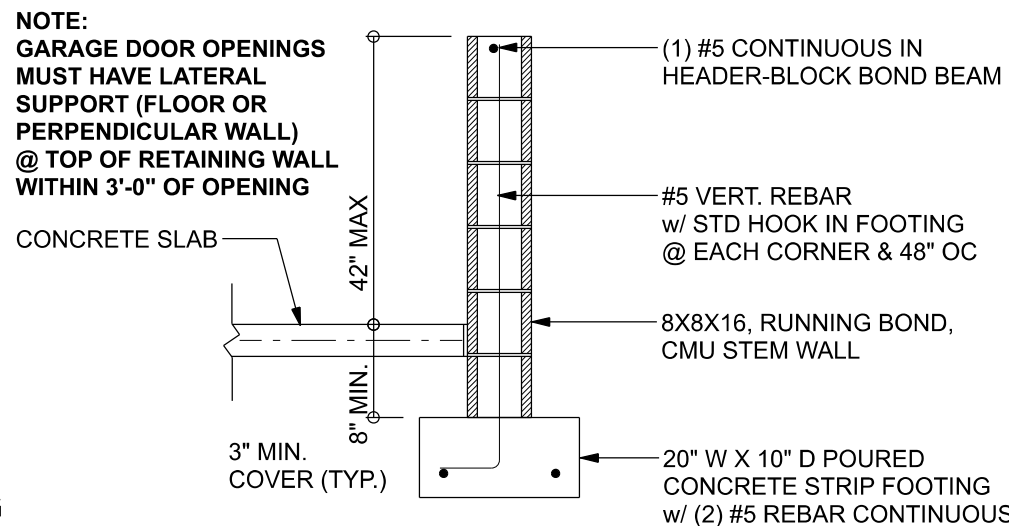
CONCRETE SLAB

16" W X 20" D FOR HOUSE & 12" W X 16" D FOR PORCH MONO FOOTING w/ (2) #5 CONTINUOUS



	AC1030-102 Location	Specific Requirements
1.4A	Compressive strength	8" block bearing walls Fm = 1500 psi
2.1	Mortar	ASTM C 270, Type II
2.2	GROUT	ASTM C 476, admixtures require approval
2.3	CMU standard	ASTM C 90-02, Normal weight, Hollow, medium block 16"x16"x16" running bond and 12"x12" or 16"x16" column block
2.3	Clay brick standard	ASTM C 216-02, Grade SW, Type FBS, 5-2-92 7x2 1/2" x 11"
2.4	Reinforcing bars, #3 - #11	ASTM 615, Grade 40, Fy = 40 ksi, Lap splices min 40 bar dia. (25" for #5)
2.4	Coating for corrosion protection	Anchors, shear metal ties completely unembedded in mortar or grout ASTM A525, Class G60, 0.60 oz/ft ² or 304SS
2.4	Coating for corrosion protection	Joint reinforcement in walls exposed to acidic or wet soils, and anchors, shear metal ties not completely embedded in mortar or grout, ASTM A155, Class B2, 1.50 oz/ft ² 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 indicated on project drawings

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



FOUNDATION PLAN

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

FOUNDATION NOTES

FN-1	DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS. RECESSES IN SLAB, STEEL WINGS, ETC. DIMENSIONS ARE APPROXIMATE. NO MARK DISCOWAY. P.E. IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.
FN-2	CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING WALLS (AS REQUIRED BY THE CITY) AND TRIMES PLAN (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN.
FN-3	THE SLAB SHALL BE: 4" CONCRETE SLAB REINFORCED W/ 6X6-14 WELDED WIRE MESH PLACED ON CHAIRS AT 18" DEPTH OR FEEDER BARS AT 18" DEPTH. 6-#4 POLY TYP A W/ VARIATION W/ 6" LAPS SEALED W/ POLY TAP. OVER TERMITE-TREATED & COMPACTED FILL. (ALL W/ OTHERS) OVER TERMITE-TREATED TERMITE-TREATMENT METHOD CAN BE USED (INSTEAD).



Review for Code Compliance
Universal Engineering Science

Lawrence Parnell PX2707 06/29/2023
Examiner-License No.

Corey Amira Custom Homes

Ballard Res.

PROJECT ADDRESS:
Parcel #16-7S-17-10006-214
Columbia County, FL

DIMENSIONS:
Stated dimensions supercede scaled dimensions. Refer all questions to Mark Disoway, 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 7th Edition Florida Building Code Residential (2020) to the best of my knowledge.

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

MARK DISOSWAY P.E. 53915

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Monday, June 6, 2022

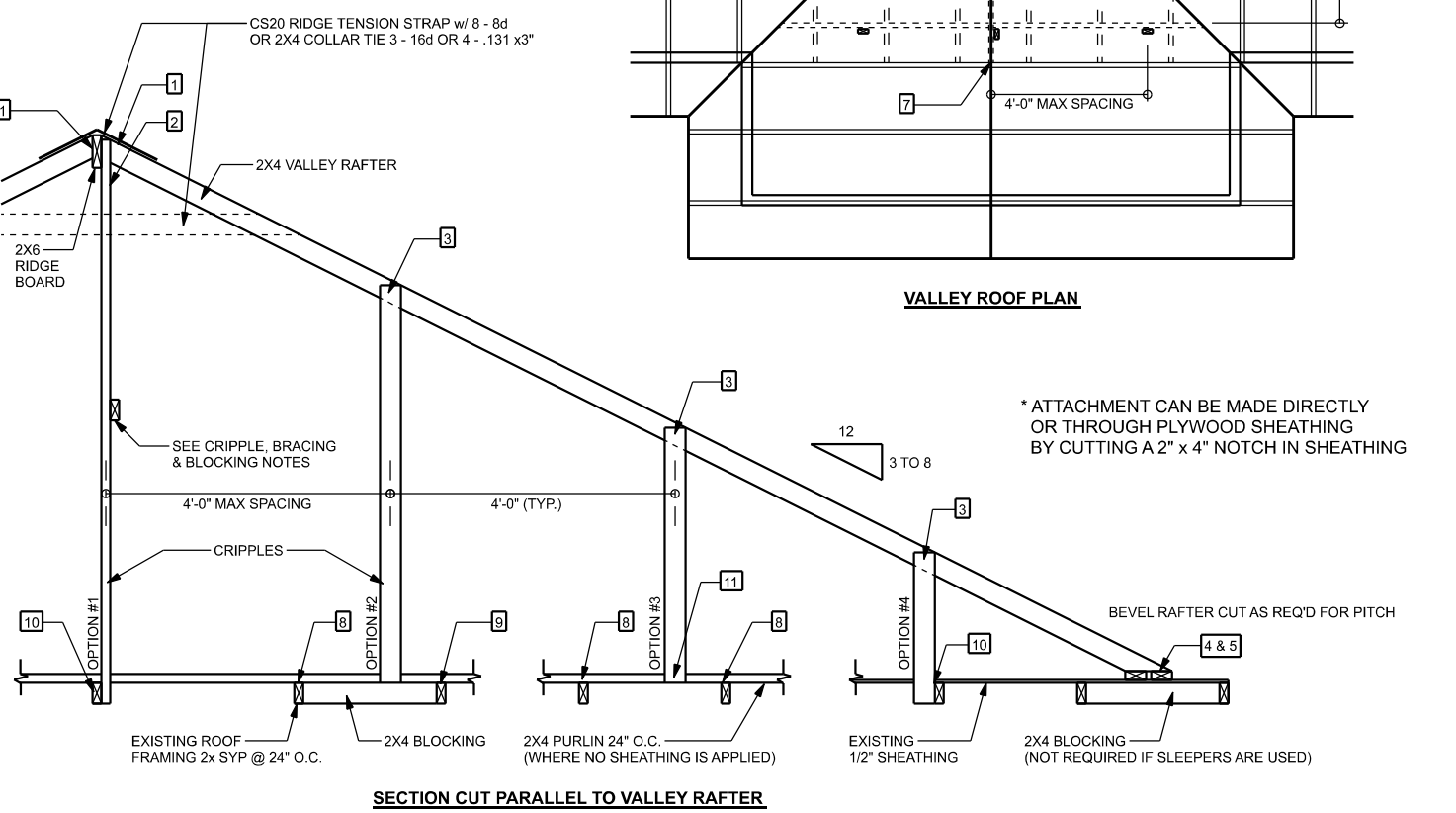
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JOB NUMBER:
220649

S-2
OF 3 SHEETS

LUMBER SIZE & GRADE MINIMUM REQUIREMENTS

RIDGE BOARD	2X6 SYP #2
RAFTER SPANS 20'-0" OR LESS	2X4 SYP #2
PURLIN LATERAL BRACING	2X4 SYP #2
SLEEPERS	2X (WIDTH OF RAFTER SEAT CUT) SPF #3 OR 2 PARALLEL 2X4 SPF #3
CRIPPLES & BLOCKING	2X4 SPF #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN PINE MATERIAL



VALLEY ROOF PLAN MEMBER LEGEND

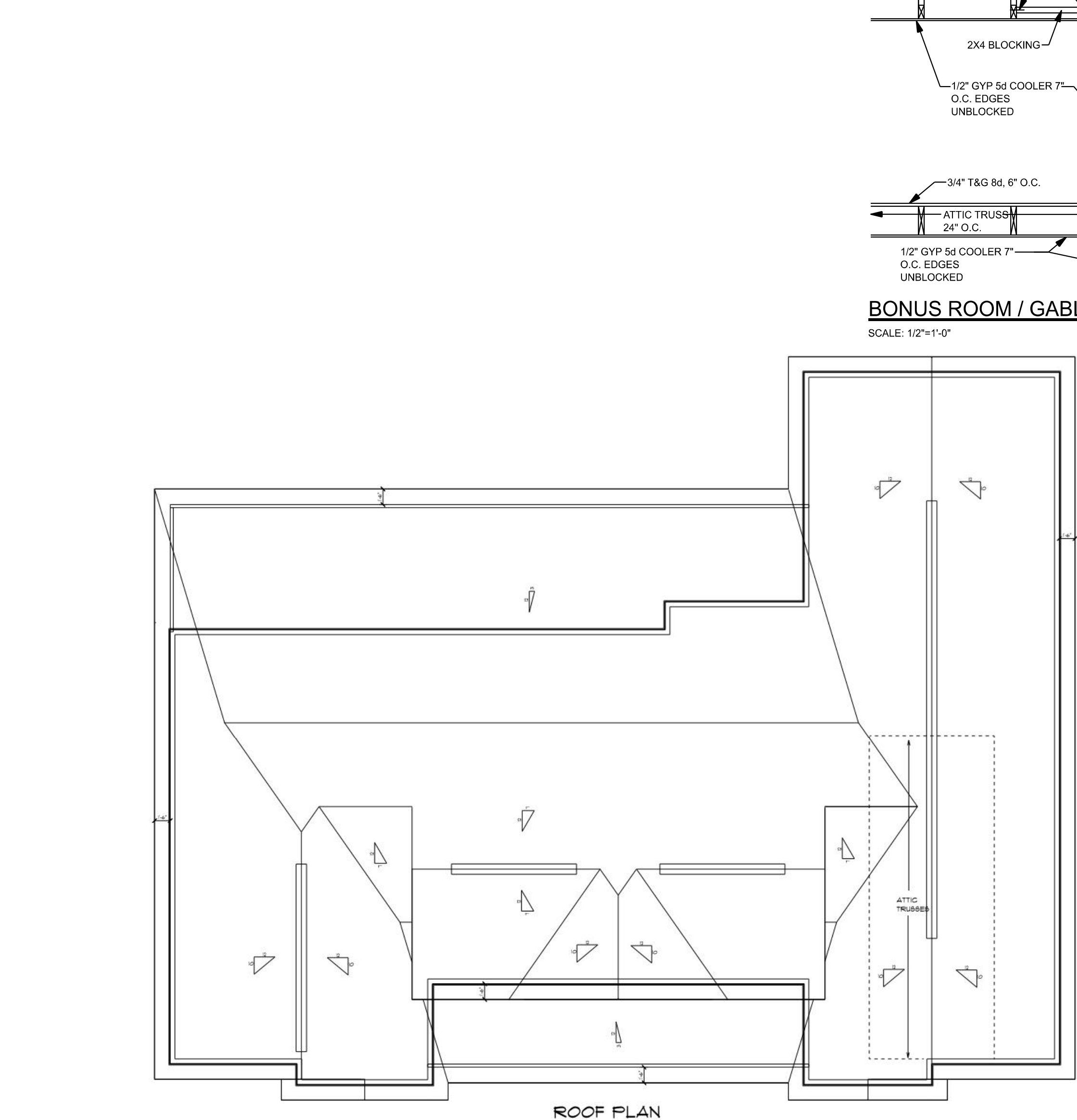
— TRUSS
 - - - TRUSS UNDER VALLEY FRAMING
 - - - VALLEY RAFTER OR RIDGE
 - CRIPPLE
 CRIPPLES 4'-0" O.C. FOR 20 psf (TL) AND 10 psf (TD) (TYP) SHINGLE ROOF; MAX

CONNECTION REQUIREMENT NOTES

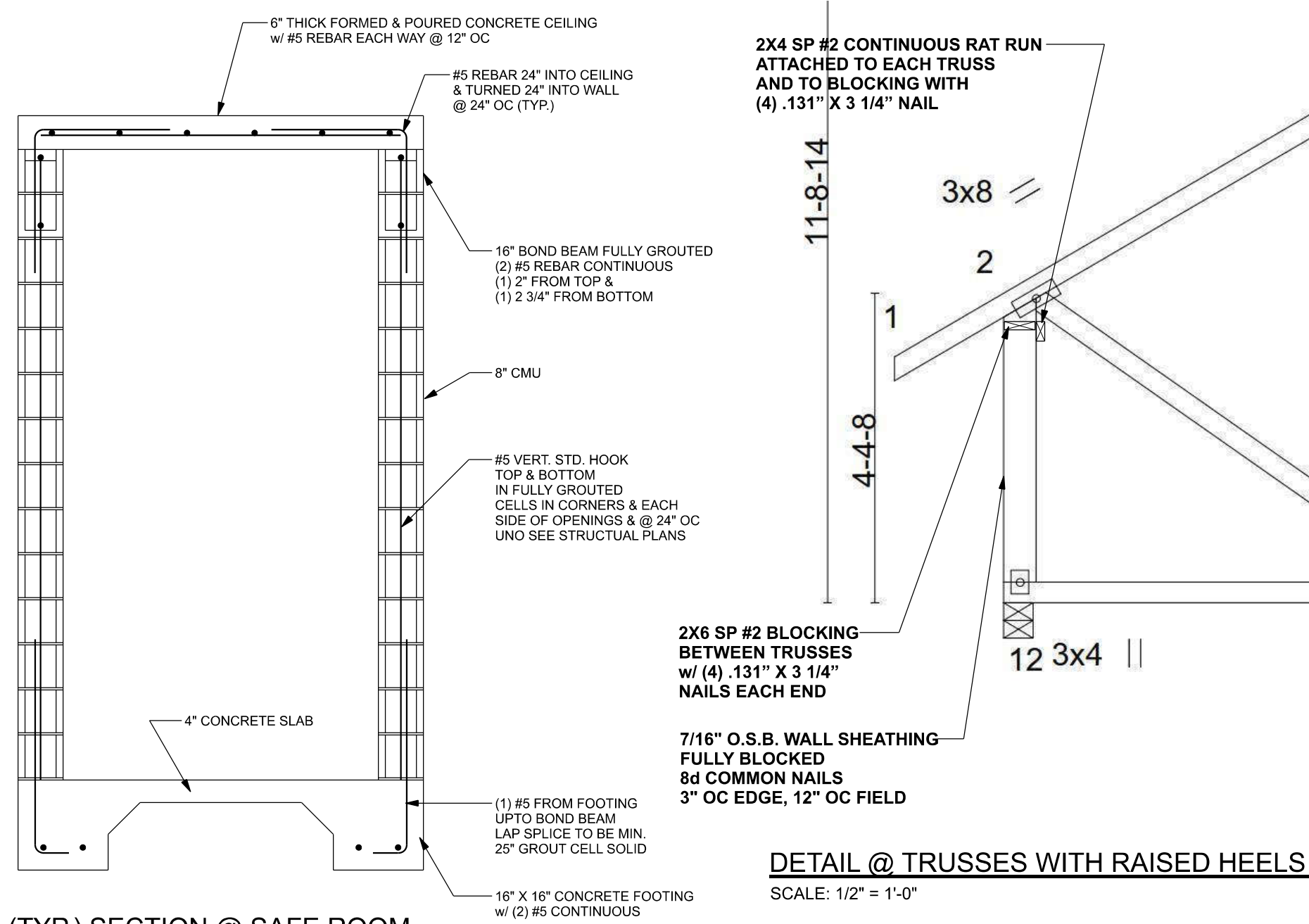
1	2X4 RAFTERS TO RIDGE	3-16d OR 6 - 131 x 3" TOE NAILS
2	CRIPPLE TO RIDGE	3-16d OR 6 - 131 x 3" FACE NAILS
3	CRIPPLE TO RAFTERS	3-16d OR 6 - 131 x 3" FACE NAILS
4	RAFTER TO SLEEPER OR BLOCKING	4-16d OR 2 - 131 x 3" TOE NAILS
5	SLEEPER TO TRUSS	4-16d OR 8 - 131 x 3" FACE NAILS EACH TRUSS
6	RIDGE BOARD TO ROOF BLOCK	3-16d OR 6 - 131 x 3" TOE NAILS
7	RIDGE BOARD TO TRUSS	3-16d OR 6 - 131 x 3" TOE NAILS
8	PURLIN TO TRUSS (TYP)	3-16d OR 6 - 131 x 3" NAILS
9	PURLIN TO TRUSS IF CRIPPLE IS ATTACHED TO PURLIN	4-16d OR 8 - 131 x 3" NAILS
10	TRUSS TO BLOCKING	3-16d OR 6 - 131 x 3" END NAILS
11	CRIPPLE TO TRUSS	3-16d OR 6 - 131 x 3" FACE NAILS
12	CRIPPLE TO PURLIN	3-16d OR 6 - 131 x 3" FACE NAILS

ROOF OVER FRAMING & BRACING DETAIL

SCALE: N.T.S.

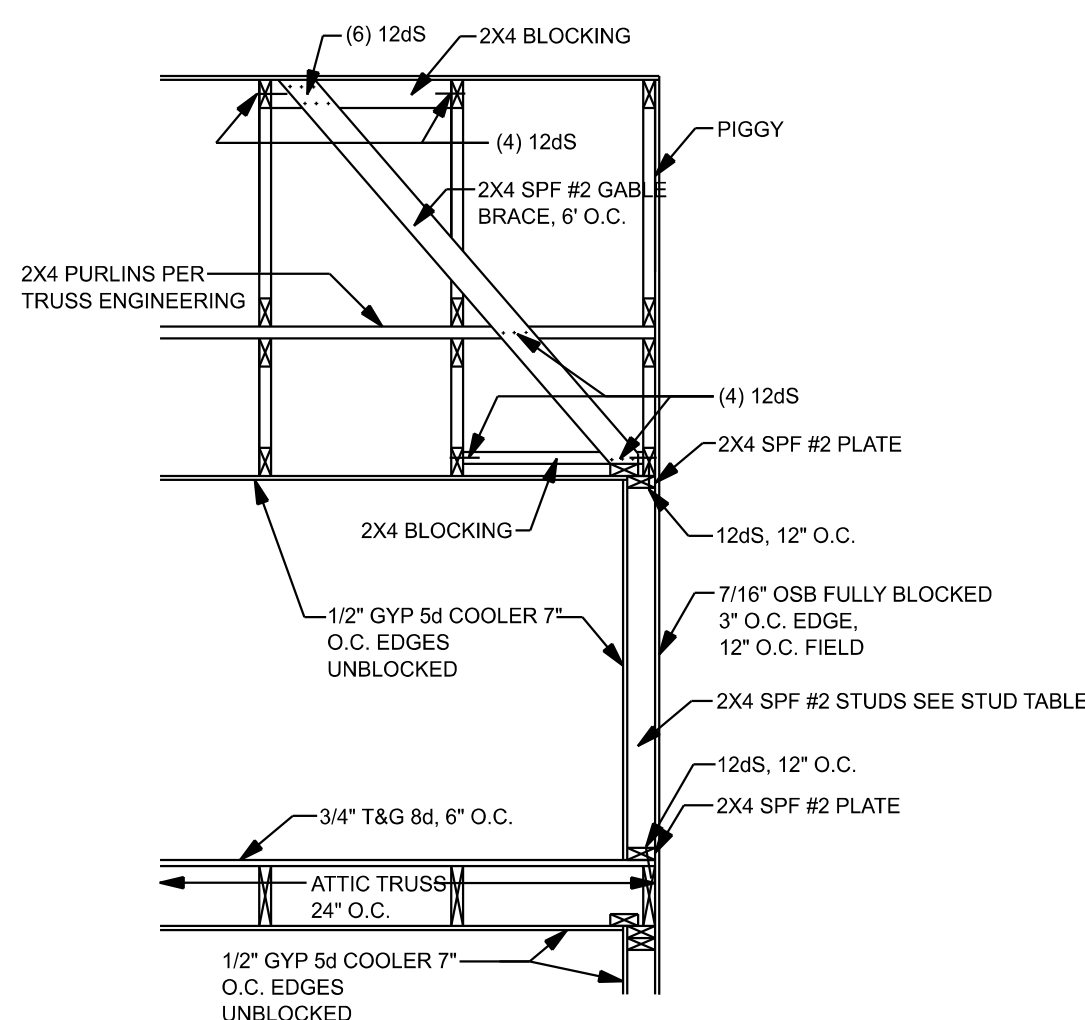


ROOF PLAN



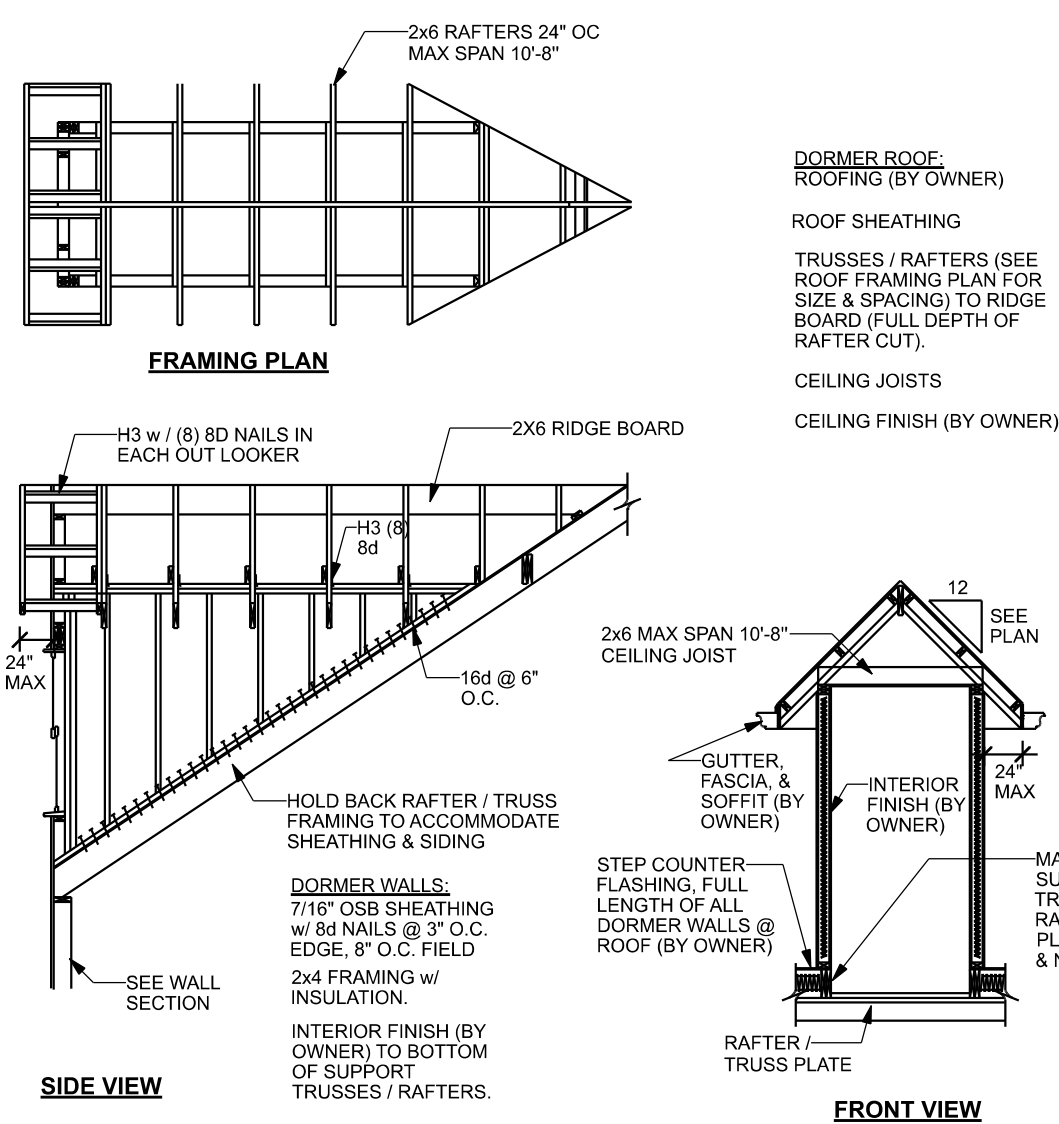
(TYP.) SECTION @ SAFE ROOM

ONE STORY CMU
 SCALE: 1/2" = 1'-0"



BONUS ROOM / GABLE END BRACING

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

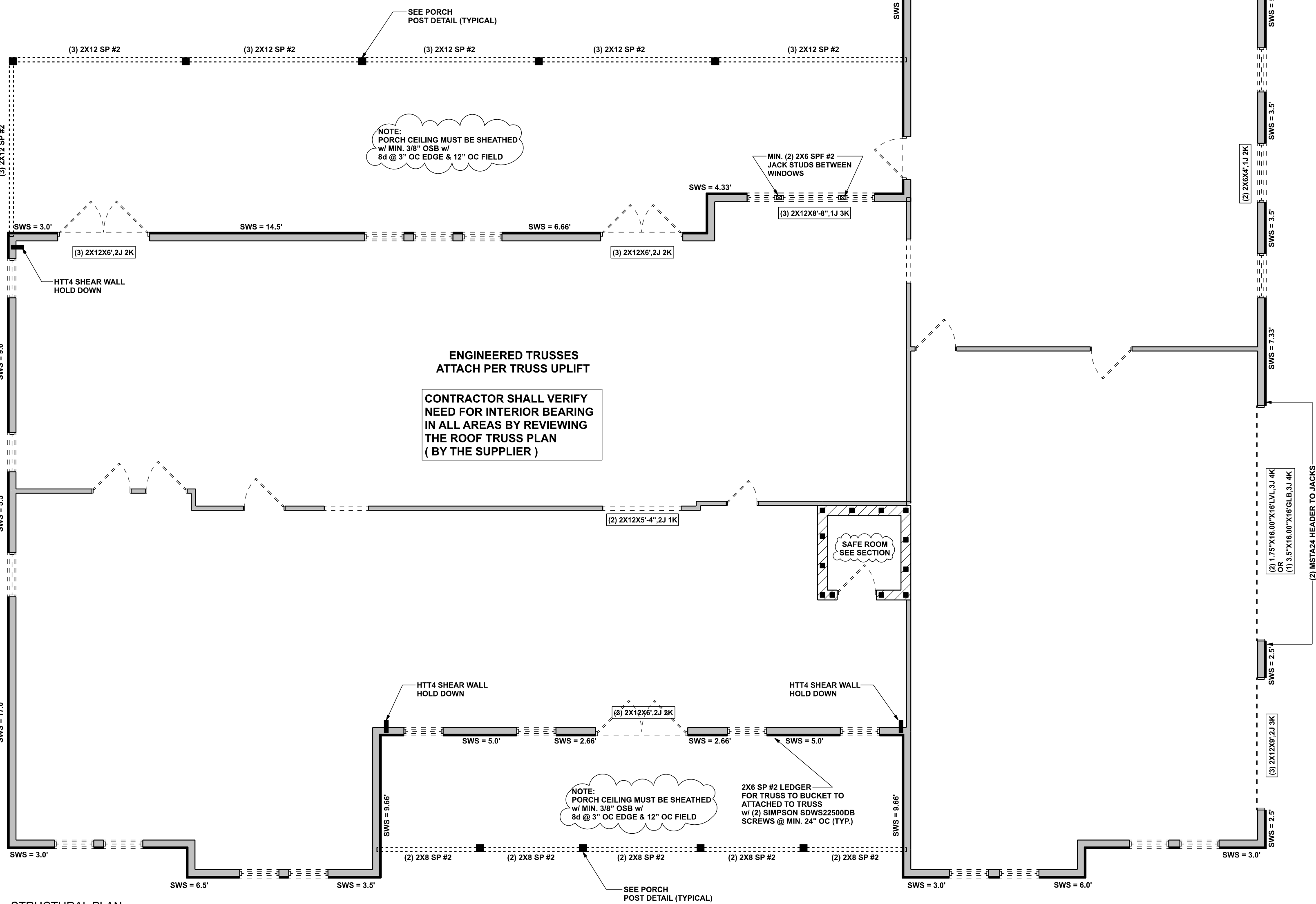


SIDE VIEW

FRONT VIEW

DORMER ANCHORING DETAIL (ON ROOF)

SCALE: N.T.S.



STRUCTURAL PLAN

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

STRUCTURAL PLAN NOTES

- SN-1 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR EXACT DIMENSIONS
- SN-2 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCSS-103, BCSS-81, BCSS-82, & BCSS-83. BCSS-81, BCSS-82, & BCSS-83 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

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 DOWN @ EACH SIDE WITH (1) LSTA24, 14-10d @ TOP & BOTTOM OF WALL WRAP UNDER BOTTOM PLATE & OVER TOP PLATE. 1/2" X 1/2" ANCHOR BOLT w/ 2" 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

ACTUAL vs REQUIRED SHEARWALL	
TRANSVERSE	LONGITUDINAL
ACTUAL	28194 LBF
REQUIRED	23543 LBF

HEADER LEGEND

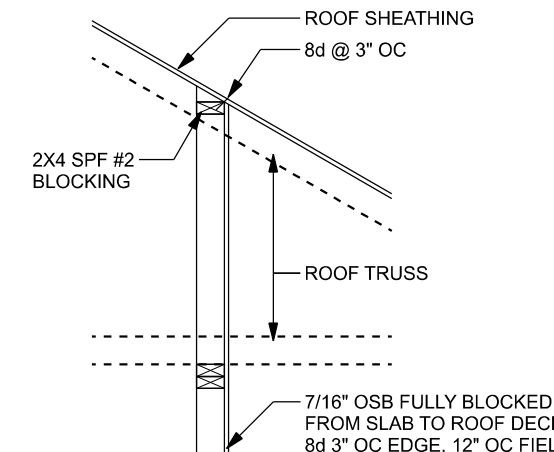
- (2) 2X6X7' 1/2 1K) — HEADER/BEAM CALL-OUT (U.N.O.)
- NUMBER OF KING STUDS EACH SIDE OF OPENING (FULL LENGTH)
- NUMBER OF JACK STUDS EACH SIDE OF OPENING (UNDER HEADER)
- SPAN OF HEADER
- SIZE OF HEADER MATERIAL
- NUMBER OF PLYS IN HEADER

1 PLY GIRDER TRUSS HOLD DOWN TABLE		
Uplift	Top Connection	Bottom Connection
up to 1125 lb	HTS16	LSTA24, 14-10d Wrap under plate w/ anchor bolt within 6"
up to 2250 lb	(2) HTS16	HTT4

MULTI PLY GIRDER TRUSS HOLD DOWN TABLE		
Uplift	Top Connection	Bottom Connection
up to 1125 lb	HTS16	LSTA24, 14-10d Wrap under plate w/ anchor bolt within 6"
up to 2250 lb	(2) HTS16	HTT4
up to 3375 lb	(3) HTS16	HTT4

(TYP.) GIRDER TRUSS HOLD DOWN DETAIL

WOOD FRAME w/ STRAPS & ANCHORS



ALTERNATE IF TRUSSES ARE PERPENDICULAR TO SHEARWALL

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

Corey Amira Custom Homes

Ballard Res.

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Monday, June 6, 2022

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JOB NUMBER:
 220649

S-3
 OF 3 SHEETS