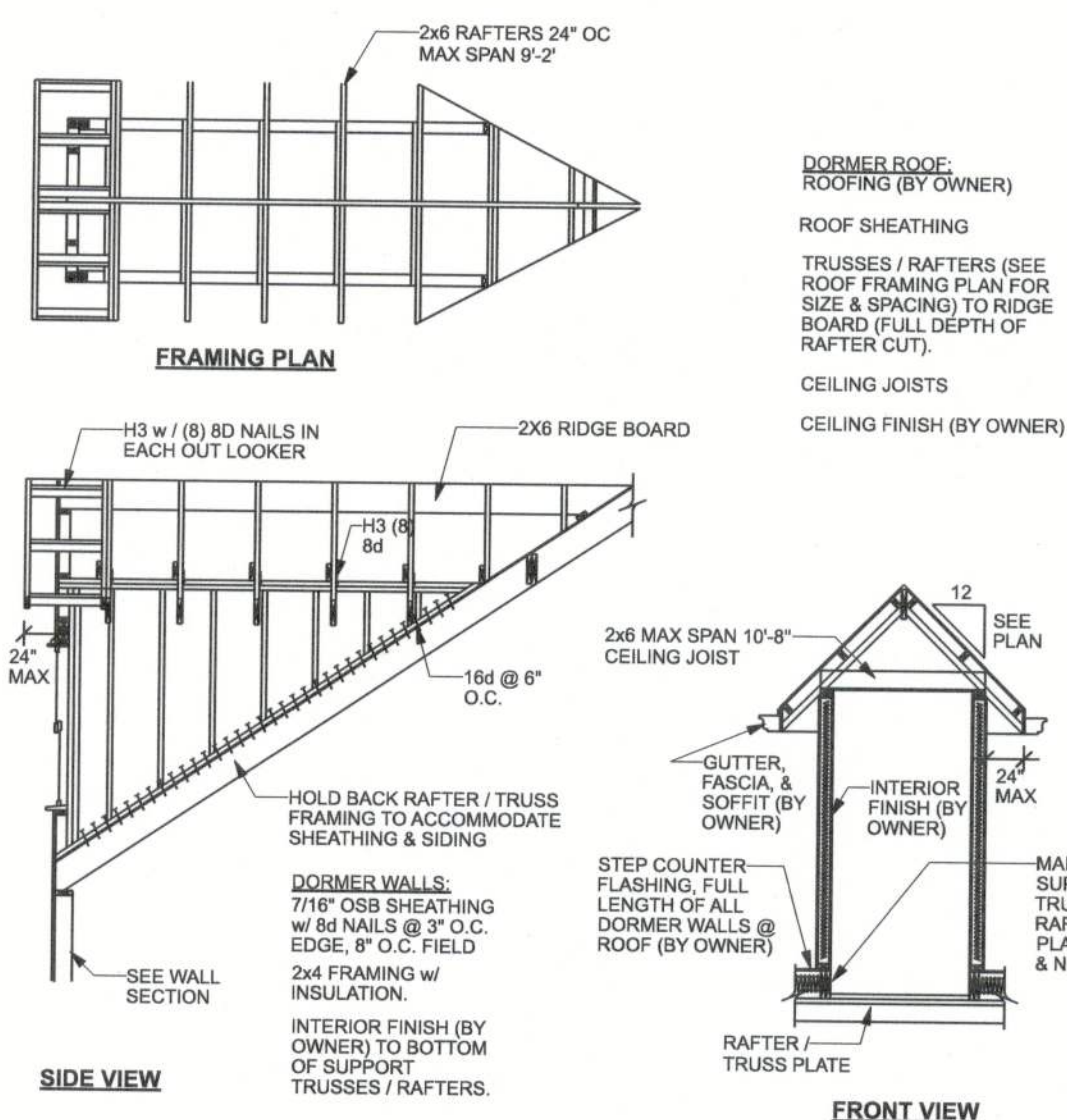


BONUS ROOM / GABLE END BRACING

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

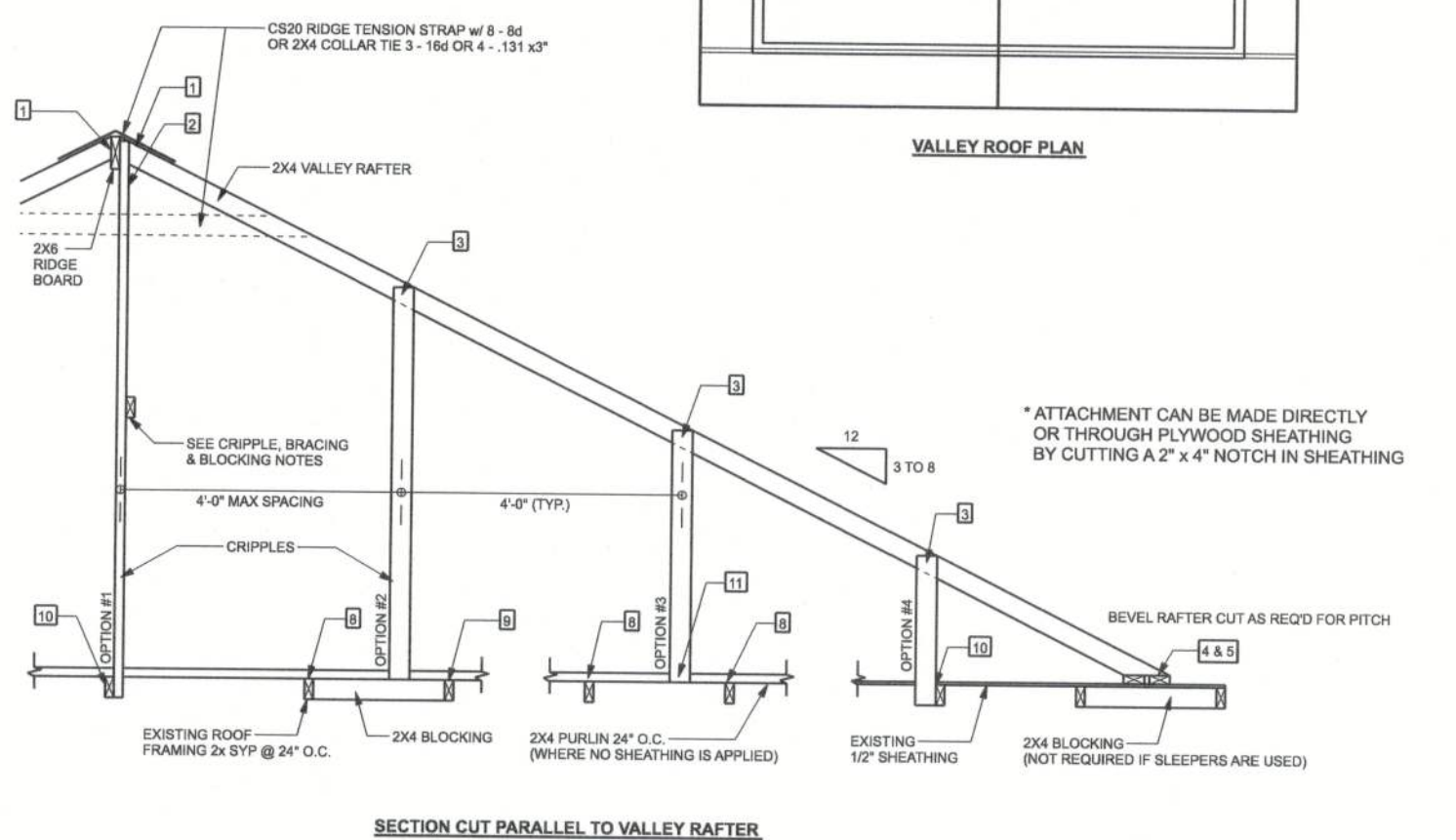


DORMER ANCHORING DETAIL (ON ROOF)

SCALE: N.T.S.

LUMBER SIZE & GRADE MINIMUM REQUIREMENTS

ROOF BOARD	2X6 SYP #2
RAFTER SPANS 20'-0" OR LESS	2X4 SYP #2
PURLIN / LATERAL BRACING	2X4 SYP #2
SLEEPERS	2X6 GYF OF RAFTER SEAT CUT) SYP #3 OR 2X4 SYP #2
CRIPPLES & BLOCKING	2X4 SYP #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN PINE MATERIAL



VALLEY ROOF PLAN MEMBER LEGEND

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

CONNECTION REQUIREMENT NOTES

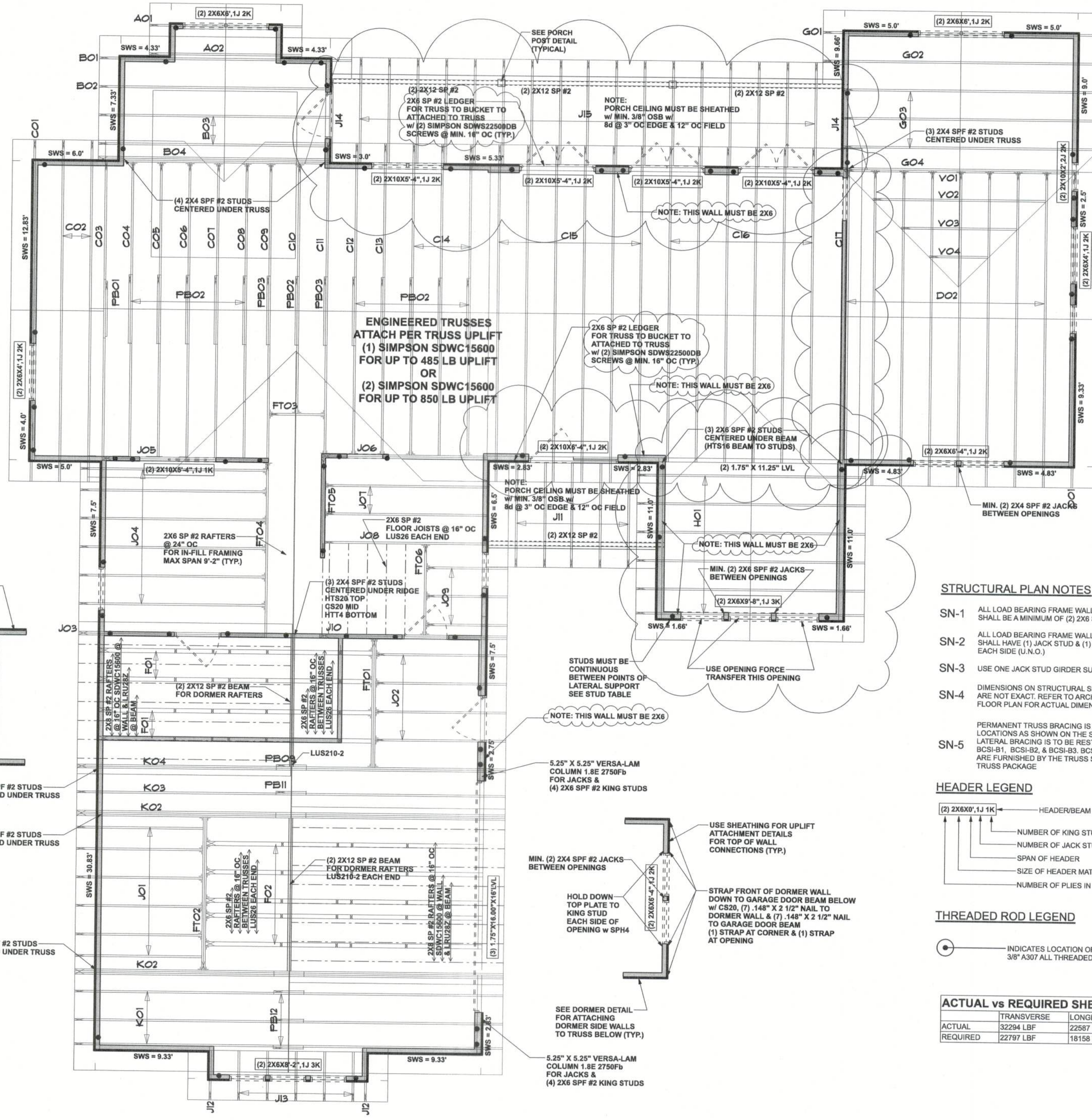
1. 2X4 RAFTERS TO RIDGE	3-16d OR 6-131 x 3" TOE NAILS
2. CRIPPLE TO RIDGE	3-16d OR 6-131 x 3" FACE NAILS
3. CRIPPLE TO RAFTERS	3-16d OR 6-131 x 3" FACE NAILS
4. RAFTER TO SLEEPER OR BLOCKING	6-16d OR 12-131 x 3" TOE NAILS
5. SLEEPER TO TRUSS	4-16d OR 6-131 x 3" FACE NAILS EACH TRUSS
6. RIDGE BOARD TO 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 6-131 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

GENERAL NOTES

MAXIMUM RAFTER SPAN: 6'-0" FOR 2X4, 8'-0" FOR 2X6 SYP #2 OR SYP #2. MAXIMUM ROOF AREA PER SUPPORT: 1600 IN ZONES 1 & 2, 2400 IN ZONE 3. EXAMPLE: 4'-0" O.C. X 4'-0" SPAN. 1600 OR 2400 S.F. SPAN = 1600. PURLINS REQUIRED 2'-0" O.C. IF EXISTING SHEATHING IS REMOVED. PURLINS SHOULD OVERLAP SHEATHING ONE TRUSS SPACING MINIMUM. CRIPPLES THAT ARE 2'-0" O.C. OR GREATER MUST BE BRACED WITH A MINIMUM OF 2-16 COMMON WIRE NAILS. THIS DRAWING APPLIES TO VALLEYS WITH THE FOLLOWING CONDITIONS: SPRING DISTANCE BETWEEN RAFTERS 14'-0" OR LESS. MAXIMUM VALLEY HEIGHT: 14'-0" OR LESS. MAXIMUM WIND SPEED: 130 MPH. MAXIMUM TOTAL LOADING: 40 PSF. EXPOSURE CATEGORY: 1. EXPOSURE CATEGORY 1: 1.0, Kd=1.0. UNLOCATED BUILDING.

CRIPPLE, BRACING & BLOCKING NOTES

2X4 CONTINUOUS LATERAL BRACE (CLB) MIN. IS REQUIRED FOR CRIPPLES 6'-0" TO 10'-0" LONG. NAILS @ 8" O.C. 1" OR SCAD MUST BE MAX. OF CRIPPLE LENGTH. CRIPPLES OVER 10'-0" LONG REQUIRE TWO CLBS OR BOTH FACES 4" O.C. OR SCAD. USE STRESS GRATED LUMBER & BOX OR COMMON NAILS. NARROW EDGE OF CRIPPLE CAN FACE RIDGE OR RAFTER. AS LONG AS THE PROPER NUMBER OF NAILS ARE. INSTALL INTO RIDGE BOARD. INSTALL BLOCKING UNDER RAFTER IF SLEEPERS ARE NOT USED. INSTALL BLOCKING UNDER CRIPPLES IF CRIPPLES ARE NOT USED. CRIPPLES TOP COULD BE LATERAL BRACING IS NOT USED. APPLY ALL NAILING IN ACCORDANCE TO NDS-197 SECTION 12. NAILS ARE COMMON WIRE NAILS UNLESS NOTED OTHERWISE.



STRUCTURAL PLAN

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

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X6 SYP #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 BC31-03, BC31-04, BC31-05, BC31-06, BC31-07, BC31-08, BC31-09, BC31-10, BC31-11, BC31-12, BC31-13, BC31-14, BC31-15, BC31-16, BC31-17, BC31-18, BC31-19, BC31-20, BC31-21, BC31-22, BC31-23, BC31-24, BC31-25, BC31-26, BC31-27, BC31-28, BC31-29, BC31-30, BC31-31, BC31-32, BC31-33, BC31-34, BC31-35, BC31-36, BC31-37, BC31-38, BC31-39, BC31-40, BC31-41, BC31-42, BC31-43, BC31-44, BC31-45, BC31-46, BC31-47, BC31-48, BC31-49, BC31-50, BC31-51, BC31-52, BC31-53, BC31-54, BC31-55, BC31-56, BC31-57, BC31-58, BC31-59, BC31-60, BC31-61, BC31-62, BC31-63, BC31-64, BC31-65, BC31-66, BC31-67, BC31-68, BC31-69, BC31-70, BC31-71, BC31-72, BC31-73, BC31-74, BC31-75, BC31-76, BC31-77, BC31-78, BC31-79, BC31-80, BC31-81, BC31-82, BC31-83, BC31-84, BC31-85, BC31-86, BC31-87, BC31-88, BC31-89, BC31-90, BC31-91, BC31-92, BC31-93, BC31-94, BC31-95, BC31-96, BC31-97, BC31-98, BC31-99, BC31-100, BC31-101, BC31-102, BC31-103, BC31-104, BC31-105, BC31-106, BC31-107, 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