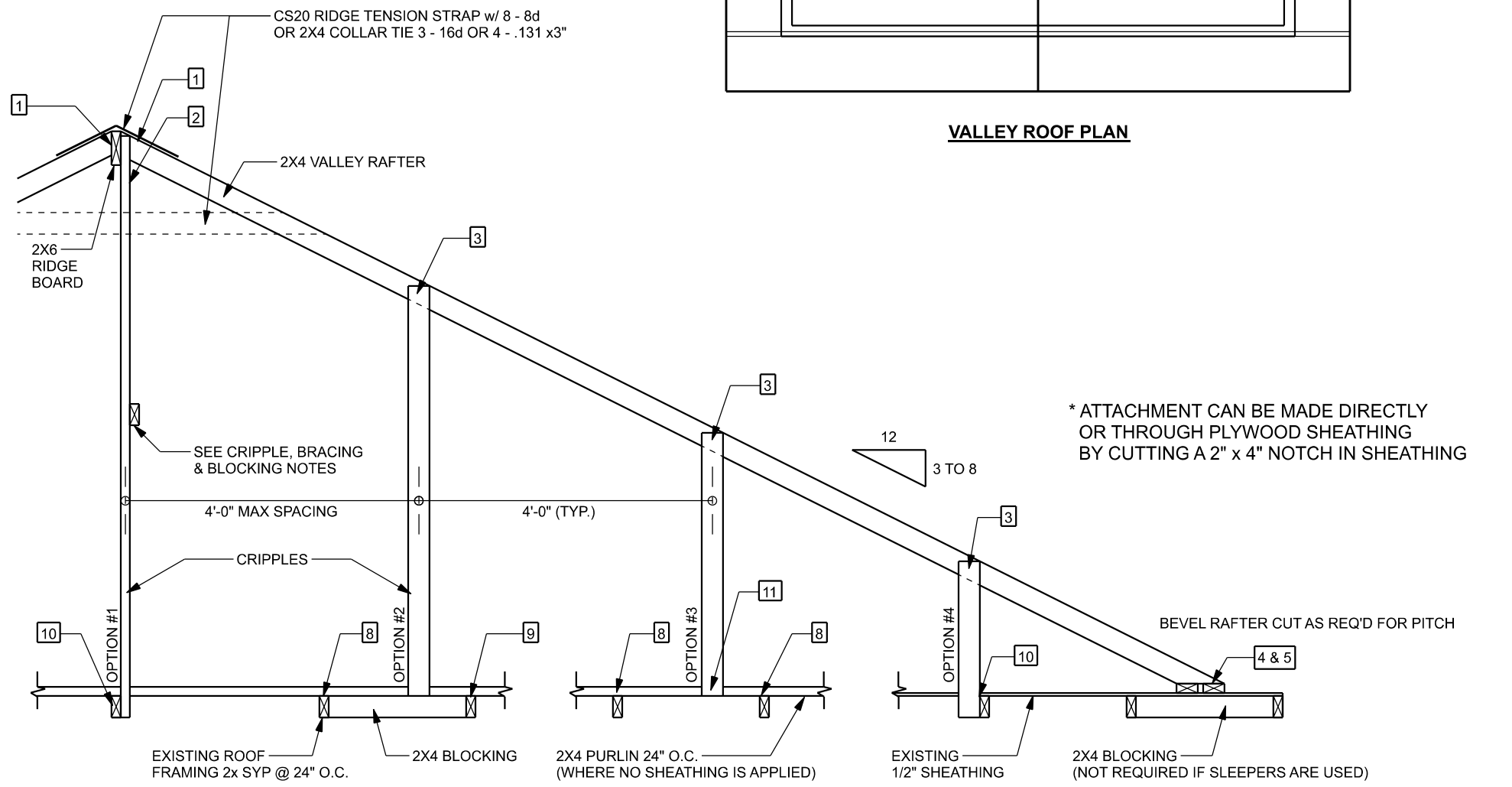


LUMBER SIZE & GRADE MINIMUM REQUIREMENTS	
RIDGE BOARD	2X6 SYP #2
RAFTER SPANS 20'-0" OR LESS	2X4 SYP #2
PURLINS / LATERAL BRACING	2X4 SPF #2
SLEEPERS	2X (WIDTH OF RAFTER SEAT CUT) SPF #3 OR 2 PARALLEL 2X4 SPF #3
CRIPPLES & BLOCKING	2X4 SPF #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN PINE MATERIAL



SECTION CUT PARALLEL TO VALLEY RAFTER

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 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	6-16d OR 12 - 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

#### GENERAL NOTES

MAXIMUM RAFTER SPANS:  
6'-0" FOR 2X4, 8'-0" FOR 2X6 SPF #2 OR SYP #2.  
MAXIMUM ROOF AREA PER SUPPORT:  
1602 IN ZONES 2 & 3, 2402 IN ZONE 1. (EXAMPLE: 4'-0" O.C. X 4'-0" SPAN = 1602 OR 2'-0" X 8'-0" SPAN = 1602)  
PURLINS REQUIRED 2'-0" O.C. IF EXISTING SHEATHING IS REMOVED.  
PURLINS SHOULD OVERLAP SHEATHING ONE TRUSS SPACING MINIMUM.  
IN CASES THAT THIS IS IMPRACTICAL, OVERLAP SHEATHING A MINIMUM OF 6" AND NAIL UPWARDS THROUGH SHEATHING INTO PURLIN WITH A MINIMUM OF 8-8d COMMON WIRE NAILS.  
THIS DRAWING APPLIES TO VALLEYS WITH THE FOLLOWING CONDITIONS:  
- SPANS (DISTANCES BETWEEN HEELS) 4'-0" OR LESS  
- MAXIMUM VALLEY HEIGHT: 14'-0" OR LESS  
- MAXIMUM WIND SPEED: 130 MPH  
- MAXIMUM MEAN ROOF HEIGHT: 30 FEET  
- MEETS FBC 2017/ASCE 7-10 WIND REQUIREMENTS  
- EXPOSURE CATEGORY "C", I = 1.0, Kzt = 1.0  
- ENCLOSED BUILDING

#### CRIPPLE, BRACING, & BLOCKING NOTES

2X4 CONTINUOUS LATERAL BRACE (CLB) MIN. IS REQUIRED FOR CRIPPLES 5'-0" TO 10'-0" LONG NAILED W/ 2 - 10d NAILS OR 2X4 "T" OR SCAB BRACE NAILED TO FLAT EDGE OF CRIPPLE WITH 8d NAILS @ 8" O.C. "T" OR SCAB MUST BE 80% OF CRIPPLE LENGTH. CRIPPLES OVER 10'-0" LONG REQUIRE TWO CLBs OR BOTH FACES w/ "T" OR SCAB. USE STRESS GRADED LUMBER & 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-1997 SECTION 12. 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 BCS1-03, BCS1-B1, BCS1-B2, & BCS1-B3. BCS1-B1, BCS1-B2, & BCS1-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)

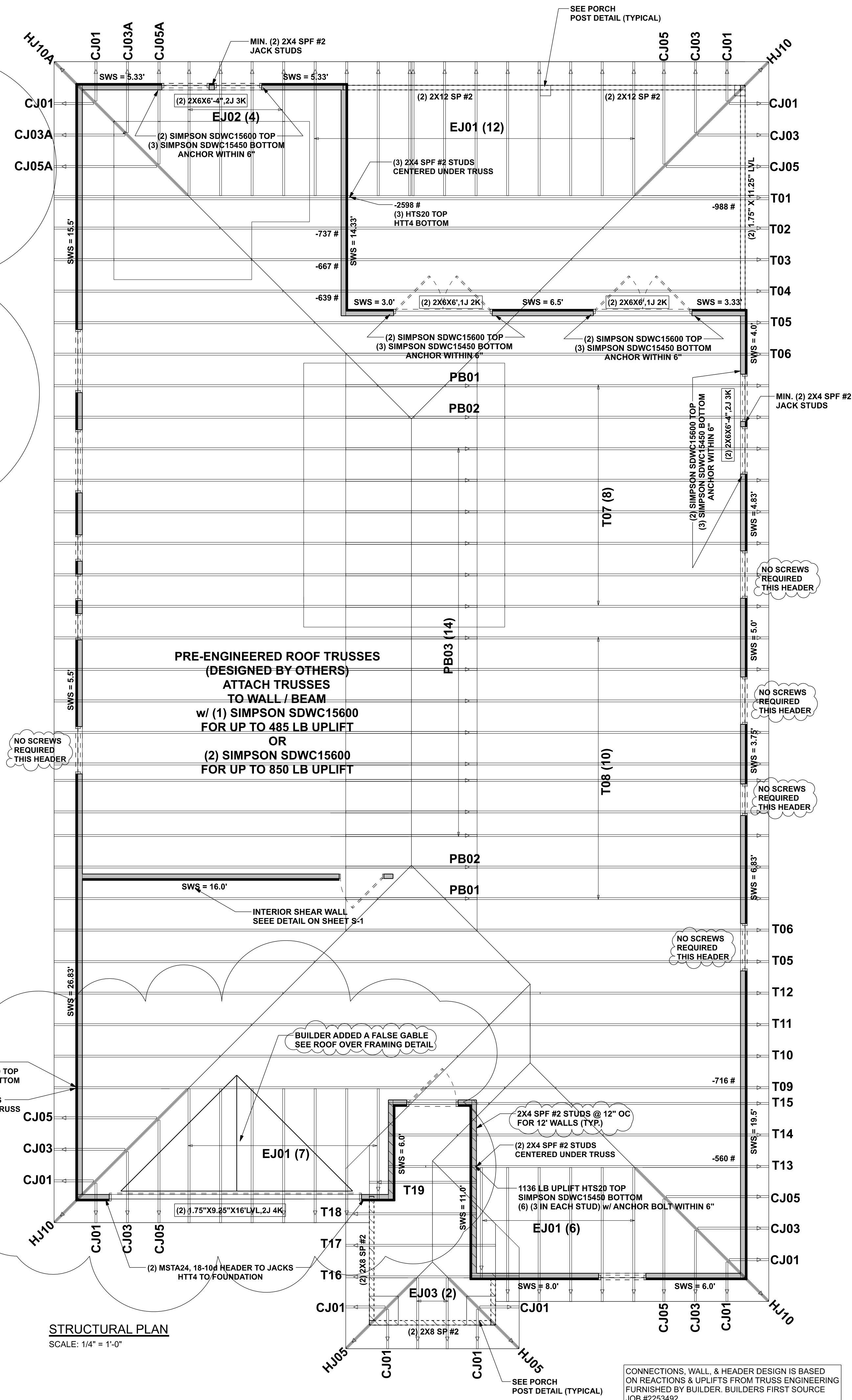
↑ NUMBER OF JACK STUDS (UNDER HEADER)

↑ SPAN OF HEADER

↑ SIZE OF HEADER MATERIAL

↑ NUMBER OF PLIES IN HEADER

ACTUAL vs REQUIRED SHEARWALL		
	TRANSVERSE	LONGITUDUNAL
ACTUAL	21396 LBF	26097 LBF
REQUIRED	19938 LBF	9326 LBF



#### STRUCTURAL PLAN

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

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. BUILDERS FIRST SOURCE JOB #2253492

Aaron Simque Homes  
2272 Model - Lot 31 The Preserves

PROJECT ADDRESS:  
Lot 31 The Preserves  
Lake City, FL

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 (2017) 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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Tuesday, December 1, 2020

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**S-3**  
OF 6 SHEETS