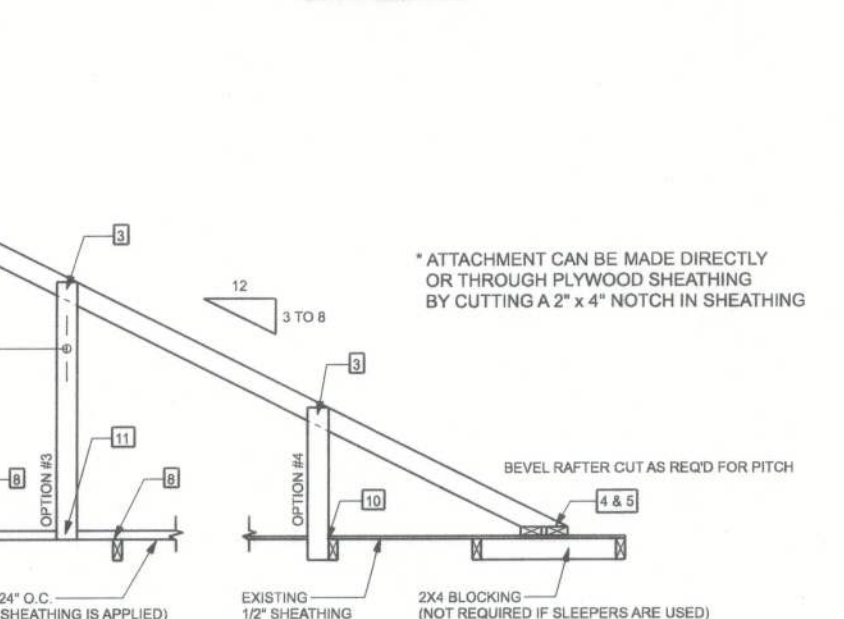


RIDGE BOARD	2X6 SYP #2
RAFTER SPANS 20'-0" OR LESS	2X4 SYP #2
PURLINS / LATERAL BRACING	2X4 SPF #2
SLEEPERS	2X (WIDTH OF RAFTER SEAT CUT) SPF #3 OR 2 PARALLEL 2X4 SPF #3
CRIPPLES & BLOCKING	2X4 SPF #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN PINE MATERIAL



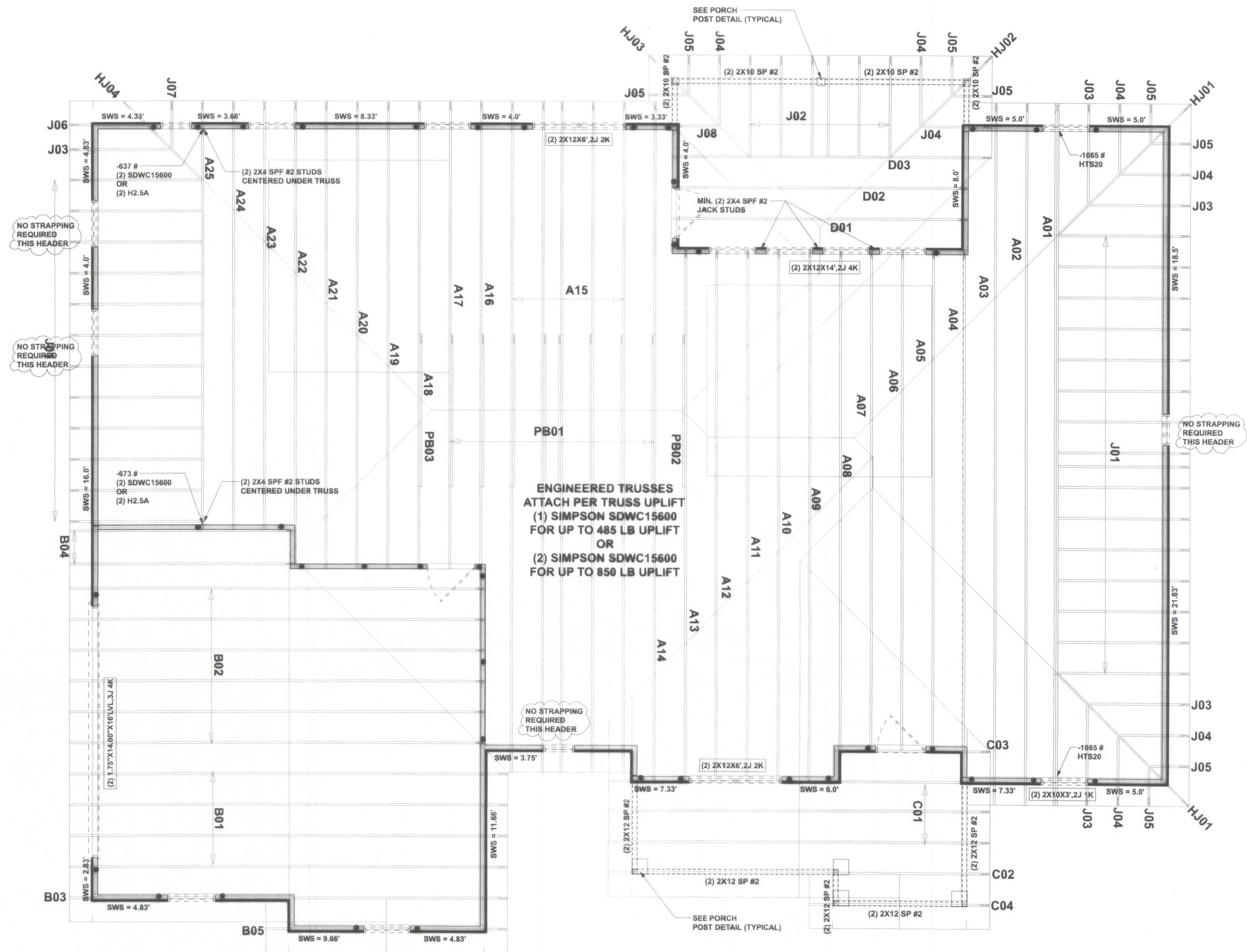
 TRUSS
 TRUSS UNDER VALLEY FRAMING
 VALLEY RAFTER OR RIDGE
 CRIPPLE

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

1	24 RAFTERS TO RIDGE	3-16d OR 6 - 131 x 3" T&E NAILS
2	CRIPPLE TO RIDGE	3-16d OR 6 - 131 x 3" T&E NAILS
3	CRIPPLE TO RAFTER	3-16d OR 6 - 131 x 3" T&E NAILS
4	RAFTER TO SLEEPER OR BLOCKING	3-16d OR 12 - 131 x 3" T&E NAILS
5	SLEEPER TO TRUSS	4 - 16d OR 6 - 131 x 3" T&E NAILS EACH TRUSS
6	ROOF BOARD TO ROOF BLOCK	3-16d OR 6 - 131 x 3" T&E NAILS
7	ROOF BOARD TO TRUSS	3-16d OR 6 - 131 x 3" T&E NAILS
8	PURLIN TO TRUSS (TYP)	3-16d OR 6 - 131 x 3" T&E NAILS
9	TRUSS TO TRUSS (IF CRIPPLE IS ATTACHED TO PURLIN)	4 - 16d OR 6 - 131 x 3" T&E NAILS
10	TRUSS TO BLOCKING	3-16d OR 6 - 131 x 3" T&E NAILS
11	CRIPPLE TO TRUSS	3-16d OR 6 - 131 x 3" T&E NAILS
12	CRIPPLE TO PURLIN	3-16d OR 6 - 131 x 3" T&E NAILS

MAXIMUM RAFTER SPANS:
 8'-0" FOR 2X4; 10'-0" FOR 2X6 SPF OR 2R SPF II;
 MAXIMUM ROOF AREA PER SUPPORT
 1600 IN ZONES 2 & 3, 2400 IN ZONE 1. (EXAMPLE: 4'-0" O.C. X 4'-0" SPAN
 = 1600 OR 8'-0" X 8'-0" SPAN = 1600)
 PURLINS REQUIRED 2'-0" O.C. IF EXISTING SHEATHING IS REMOVED
 PURLINS SHOULD BE SPACED TO MATCH THE ONE TRUSS SPACING MINIMUM
 IN CASES THAT THIS IS IMPRACTICAL, OVERLAP SHEATHING A MINIMUM OF
 4" AND NAIL UPWARDS THROUGH SHEATHING INTO PURLIN WITH A
 MINIMUM OF 3" x 6d COMMON WIRE NAILS
 THIS DRAWING APPLIES TO VALLEYS WITH THE FOLLOWING CONDITIONS:
 - SPANS (DISTANCES BETWEEN TRUSSES) ARE 14'-0" OR LESS
 - MAXIMUM VALLEY HEIGHT: 14'-0" OR LESS
 - MAXIMUM WIND SPEED: 130 MPH
 - MAXIMUM MAXIMUM ROOF SLOPE: 12:12 OR 30 FEET
 - MAXIMUM TOTAL LOADING: 40 psf
 - MEETS IRC / ASCE 7-16 REQUIREMENTS
 - EXPOSURE CATEGORY "X", 1 = 10, Rctd = 10
 - ENCLOSED BUILDING

2X4 CONTINUOUS LATERAL BRACE (CLB) MIN. IS REQUIRED FOR CRIPPLES 5'-0" TO 10'-0" LONG. NAIL 2x4 TO 2x4 NAIL OR 2X4 "T" OR SCAB BRACE NAIL TO FLAT EDGE OF CRIPPLE
NAIL 2x4 TO 2x4 NAIL OR 2X4 "T" OR SCAB BRACE NAIL TO FLAT EDGE OF CRIPPLE
OVER 10'-0" LONG REQUIRE TWO CLB'S 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



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

SN-1	ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 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 DO 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 BCSI1-03, BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

Diagram illustrating the components of a header/beam call-out label:

[2] 2X10X0',1J 1K

- [2]**: NUMBER OF KING STUDS (FULL LENGTH)
- 2X10X0'**: NUMBER OF JACK STUDS (UNDER HEADER)
- 1J**: SPAN OF HEADER
- 1K**: SIZE OF HEADER MATERIAL

Additional label: **HEADER/BEAM CALL-OUT (U.N.O.)**

Additional label: **NUMBER OF PLIES IN HEADER**

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

ACTUAL vs REQUIRED SHEARWALL		
	TRANSVERSE	LONGITUDINAL
ACTUAL	21775 LBF	19771 LBF
REQUIRED	16881 LBF	13252 LBF

CONNECTIONS, WALL, & HEADER DESIGN IS BASED
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING
FURNISHED BY BUILDER. W.B. HOWLAND TRUSS CO.
JOB #23-9628

Gibraltar Contracting, LLC
Charles & Nastoshia Miller Res.

PROJECT ADDRESS:
453 SW Mossy Oak Way,
Lake City, FL 32024

FL PE 53915



8/10/2023

MEASUREMENTS:
 stated dimensions supercede scaled
 dimensions. Refer all questions to
 Mark Disosway, P.E. for resolution.

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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 7th Edition Florida Building Code Residential (2020)

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

Mark Disosway P.E.
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Suite 103
Lake City, Florida 32025
386.754.5419
isoswaydesign@gmail.com

JOB NUMBER:
230978

S-3
OF 3 SHEETS