

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X12 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 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-4 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

TOTAL SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	20.0'	31.1'
LONGITUDINAL	15.0'	20.0'

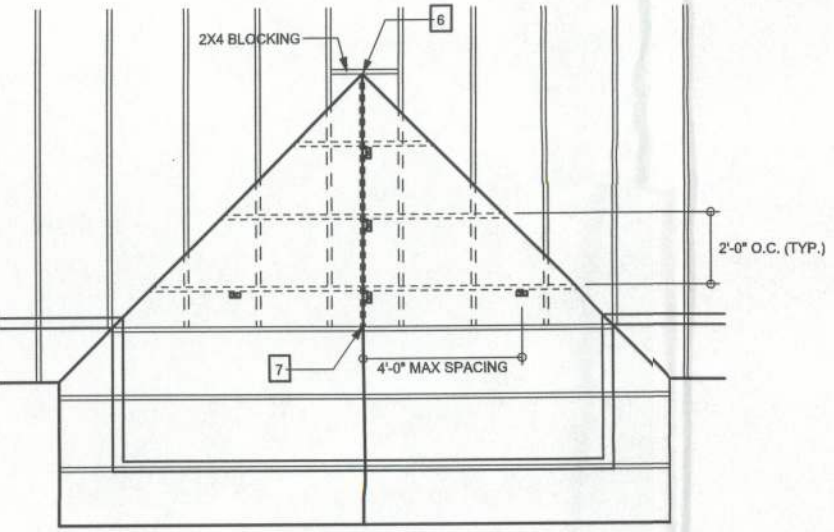
WALL LEGEND

	EXTERIOR WALL
	INTERIOR NON-LOAD BEARING WALL
	INTERIOR LOAD BEARING WALL w/ NO UPLIFT
	INTERIOR LOAD BEARING WALL w/ UPLIFT

HEADER LEGEND

	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

LUMBER SIZE & GRADE MINIMUM REQUIREMENTS	
ROOF BOARD	2X8 SYP #2
RAFTER SPANS 20'-0" OR LESS	2X4 SYP #2
TRUSSING (LATERAL BRACING)	2X4 SYP #2
SLEEPERS	2X (WIDTH OF RAFTER BEAT OUT) SYP #3 OR 2 PARALLEL 2X4 SYP #3
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
----	VALLEY RAFTER OR RIDGE
----	CRIPPLE

CRIPPLES 4'-0" O.C. FOR 20 psf (TL) AND 10 psf (TD) (TYP. SINGLE 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	3-16d OR 6-13d 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.)	3-16d OR 6-13d x 3" TOE NAILS
9	PURLIN TO TRUSS (IF CRIPPLE IS ATTACHED TO PURLIN)	4-16d OR 8-13d x 3" NAILS
10	TRUSS TO BLOCKING	3-16d OR 6-13d x 3" FACE NAILS
11	CRIPPLE TO PURLIN	3-16d OR 6-13d x 3" FACE NAILS

GENERAL NOTES

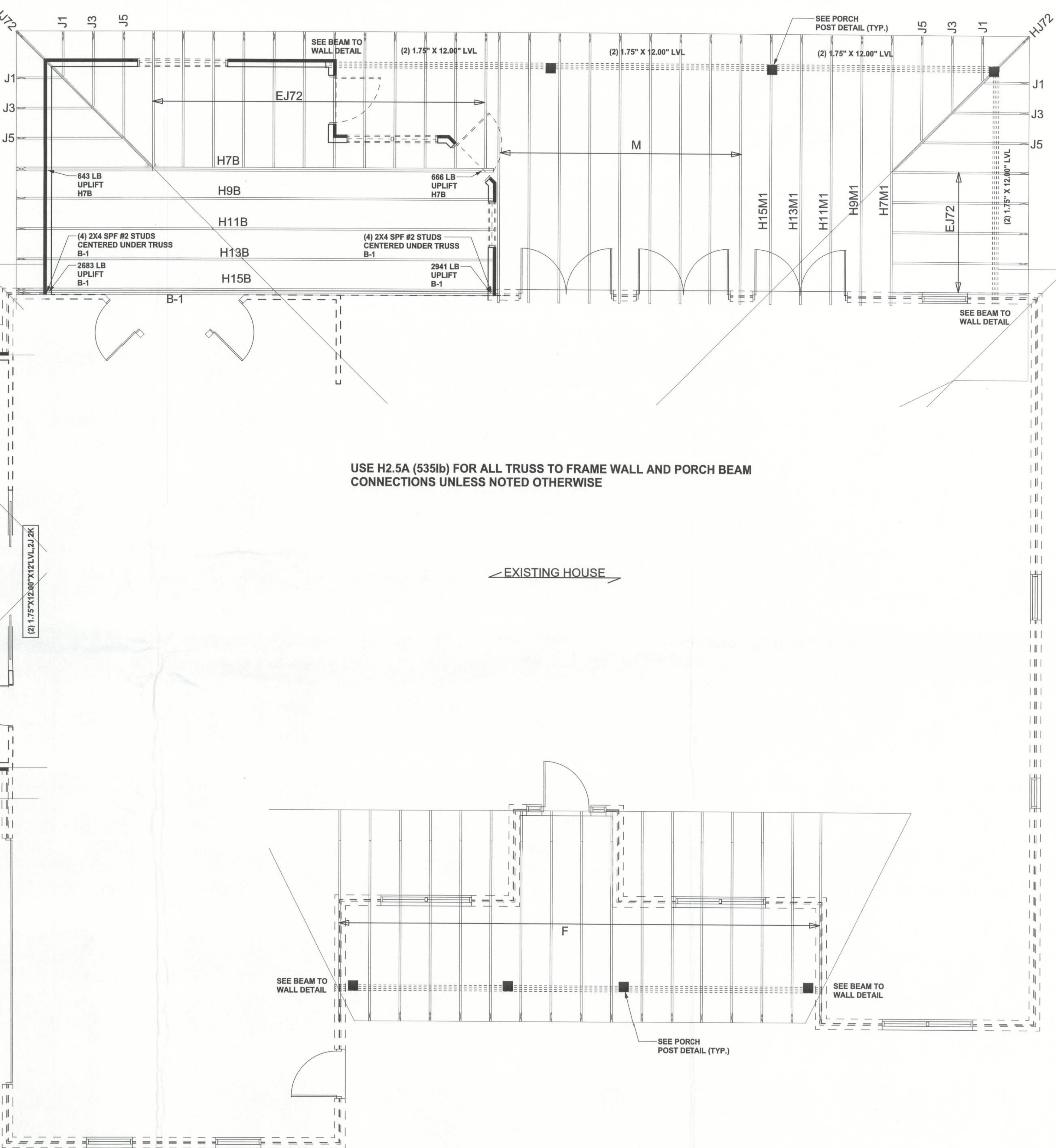
- MAXIMUM RAFTER SPAN: 6'-0" FOR 2X4, 8'-0" FOR 2X6, 8'-0" FOR 2X8 SYP #2 OR SYP #2.
- MINIMUM ROOF AREA PER SUPPORT: 100 SQ. FT. (EXAMPLE: 4'-0" O.C. X 4'-0" SPAN = 16 SQ. FT. X 6.25 = 100 SQ. FT.)
- 16d IN ZONES 2 & 3, 18d IN ZONE 1 (EXAMPLE: 4'-0" O.C. X 4'-0" SPAN = 16 SQ. FT. X 6.25 = 100 SQ. FT.)
- PURLIN REQUIRED 2'-0" O.C. IF EXISTING SHEATHING IS REMOVED.
- PURLIN SHOULD OVERLAP SHEATHING ONE TRUSS SPACING MINIMUM IN CASES THAT THIS IS IMPRACTICAL, OVERLAP SHEATHING A MINIMUM 8" IF 4" AND NAIL UPWARDS THROUGH SHEATHING INTO PURLIN WITH A MINIMUM OF 8-16d COMMON WIRE NAILS.
- THIS DRAWING APPLIES TO VALLEYS WITH THE FOLLOWING CONDITIONS:
 - MAXIMUM VALLEY HEIGHT: 14'-0" OR LESS
 - MAXIMUM SLOPE: 12/12
 - MAXIMUM MEAN ROOF HEIGHT: 30 FEET
 - MAXIMUM TOTAL LOADING: 40 psf
 - MEETS FBC 2014/2007 FOR WIND REQUIREMENTS
 - EXPOSURE CATEGORY "C" (1-10, 10-15, 15-20)
 - ENCLOSED BUILDING

CRIPPLE BRACING & BLOCKING NOTES

- 2X4 CONTINUOUS LATERAL BRACE (CLB) IS REQUIRED FOR CRIPPLES 5'-0" TO 10'-0" LONG NAILED w/ 2-16d NAILS OR 2X4 1" OR SCAB BRACE NAILED TO PLAT EDGE OF CRIPPLE WITH 16d NAILS @ 4" O.C. 1" OR SCAB MUST BE 80% OF CRIPPLE LENGTH. CRIPPLES OVER 10'-0" LONG REQUIRE TWO CLB OR BOTH FACES w/ 1" OR SCAB. USE STRESS GRADUATED LUMBER & ROCK 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-1909 SECTION 12. NAILS ARE COMMON WIRE NAILS UNLESS NOTED OTHERWISE.

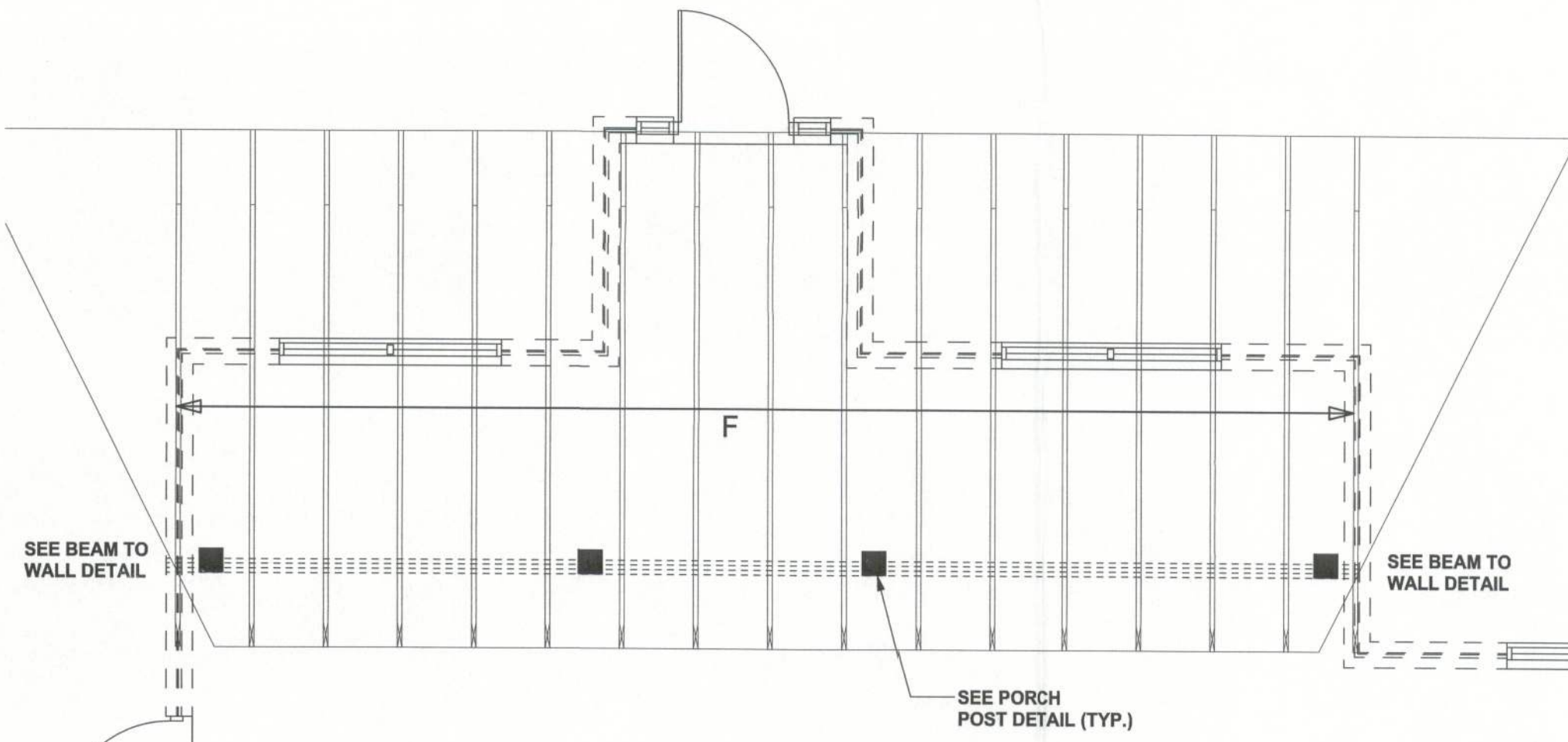
STRUCTURAL PLAN

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



USE H2.5A (535ib) FOR ALL TRUSS TO FRAME WALL AND PORCH BEAM CONNECTIONS UNLESS NOTED OTHERWISE

EXISTING HOUSE



RETROFIT ROOF OVER FRAMING & BRACING DETAIL

SCALE: N.T.S.

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER, ANDERSON TRUSS JOB #10-106

REVISIONS

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER: Mark Disoway,
P.E. No. 53515, P.O. Box 868, Lake City, FL
32056, 386-754-5419

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

COPYRIGHTS AND PROPERTY RIGHTS:
Mark Disoway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disoway.

CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with section 6301.2.1, Florida building code residential 2007, to the best of my knowledge.

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

MARK DISOWAY
P.E. 53515
14MAY10
SEAL

Stephen & Maria
Pellicer

ADDRESS:
Russwood Estates
Columbia County, Florida

Mark Disoway P.E.
P.O. Box 868
Lake City, Florida 32056
Phone: (386) 754 - 5419
Fax: (386) 269 - 4871

PRINTED DATE:
May 14, 2010
DRAWN BY: STRUCTURAL BY:
David Disoway

FINALS DATE:
14May10

JOB NUMBER:
1005008

DRAWING NUMBER

S-3
OF 3 SHEETS