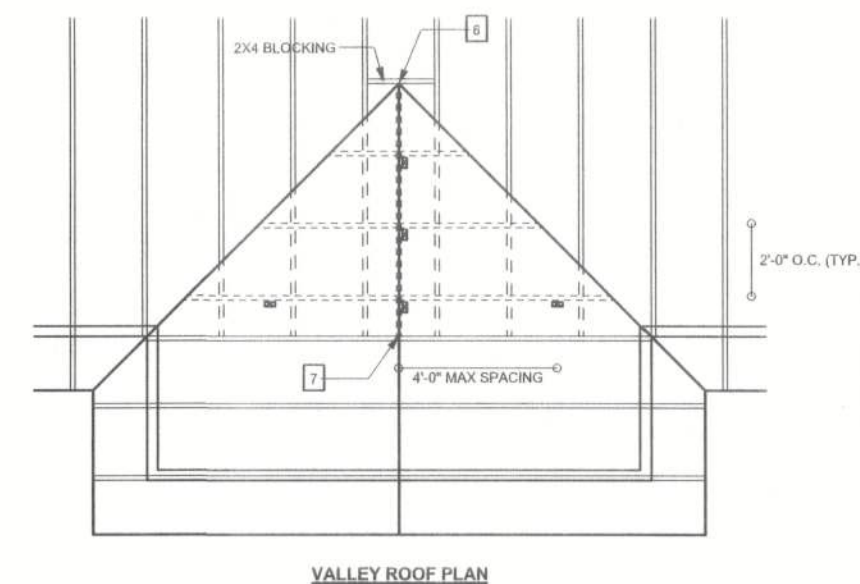


REVISIONS

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

LUMBER SIZE & GRADE MINIMUM REQUIREMENTS

TRUSS	2X6 SYP #2
RAFTER SPAN 30' 0" OR LESS	2X4 SYP #2
PURLINS (LATERAL BRACING)	2X4 SYP #2
SLEEPERS	2X (WIDTH 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

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" FACE NAILS
8	PURLIN TO TRUSS (TYP.)	3-16d OR 6-131 x 3" FACE NAILS
9	PURLIN TO TRUSS IF CRIPPLE IS ATTACHED TO PURLIN	4-16d OR 6-131 x 3" FACE NAILS
10	TRUSS TO BLOCKING	3-16d OR 6-131 x 3" END NAILS
11	CRIPPLE TO PURLIN	3-16d OR 6-131 x 3" FACE NAILS

GENERAL NOTES

MAXIMUM RAFTER SPAN: 8' 0" FOR 2X4 SYP #2 OR 2X6 SYP #2 OR SYP #2. 1992 IN ZONES 2 & 3, 24R2 IN ZONE 1, (EXAMPLE: 4'-0" O.C. X 4'-0" SPAN). 1992 OR 2'-0" X 2'-0" SPAN X 1992. 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 17" AND NAIL UPWARDS THROUGH SHEATHING INTO PURLIN WITH A MINIMUM OF 3-80 COMMON WIRE NAILS. THIS DRAWING APPLIES TO USE WITH THE FOLLOWING CONDITIONS: MAXIMUM VALLEY HEIGHT: 14'-0" OR LESS. MAXIMUM MEAN ROOF HEIGHT: 30 FEET. MAXIMUM WIND SPEED: 120 MPH. MEETS FBC 2004 SECTION 16.01 WIND REQUIREMENTS. EXPOSURE CATEGORY "B" (1-1.5, 1.5-1.8). ENCLOSED BUILDING.

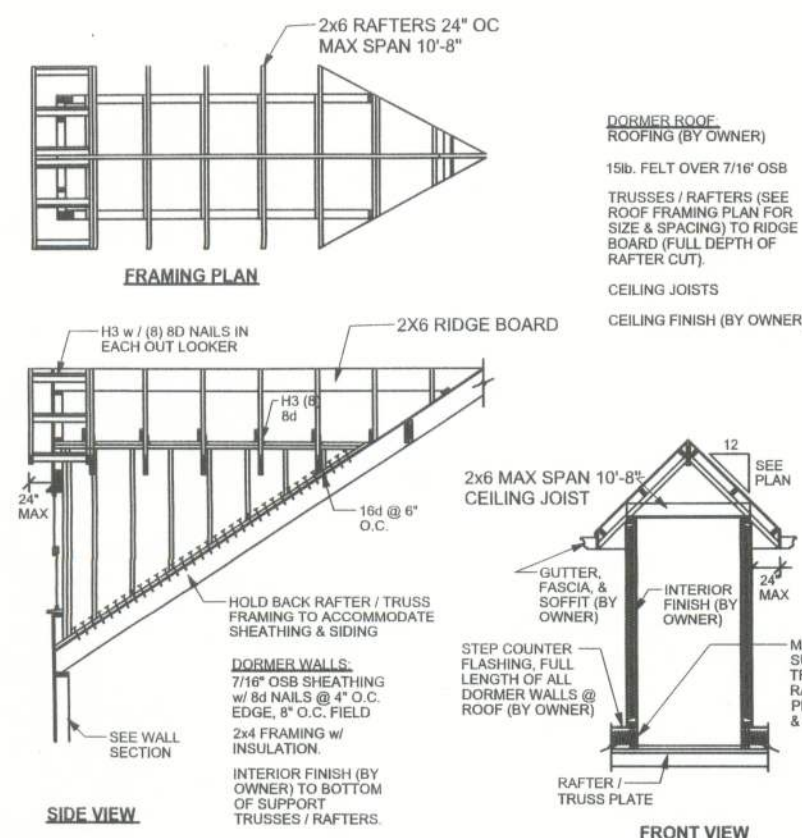
CRIPPLE BRACING & BLOCKING NOTES

2X4 CONTINUOUS LATERAL BRACING (CLB) MIN. IS REQUIRED FOR CRIPPLES 9'-0" TO 10'-0" LONG. NAILS W/ 2-10d NAILS OR 2X4 "T" OR SCAB BRACE NAIL TO PLAT EDGE OF CRIPPLE WITH 16d NAIL @ 6" O.C. 17" OR SCAB MUST BE 30% OF CRIPPLE LENGTH. CRIPPLES OVER 10'-0" LONG REQUIRE TWO CLB OR BOTH FACES W/ 7" OR SCAB. USE STRESS GRADED LUMBER & BLOCK ON COMMON NAILS. MAXIMUM EDGE OF CRIPPLE CAN FACE RIDGE OR RAFTER AS LONG AS THE PROPER NUMBER OF NAILS ARE INSTALLED. 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-909 SECTION 12. NAILS ARE COMMON WIRE NAILS UNLESS NOTED OTHERWISE.

SECTION CUT PARALLEL TO VALLEY RAFTER

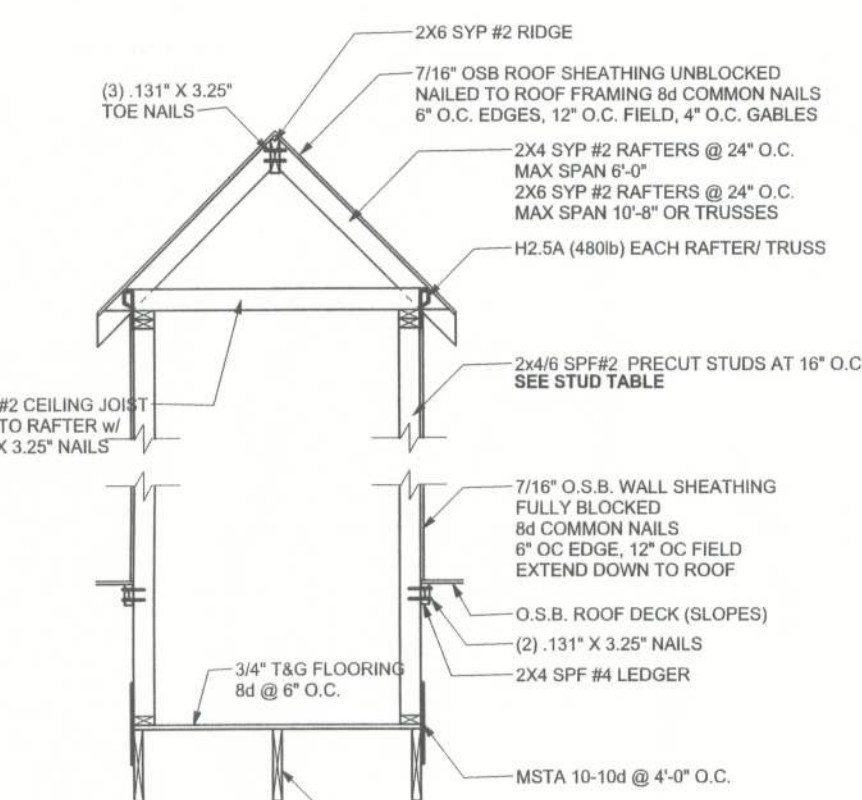
RETROFIT ROOF OVER FRAMING & BRACING DETAIL

SCALE: N.T.S.



DORMER ANCHORING DETAIL (ON ROOF)

SCALE: N.T.S.



DORMER ANCHORING DETAIL (ON FLOOR)

SCALE: N.T.S.

MITER GLASS

WOOD FRAME

1/4" TAPCON @ 12" O.C. W/ 1 1/4" EMBEDMENT IN CMU W/ 3/4" MIN. EDGE DISTANCE.
#10 TIE @ 12" O.C. INTO 18ga MIN. STEEL STUD W/ 3 THREADS EXPOSED.
#12 WOOD SCREW @ 12" O.C. INTO 1/2" O.C. INTO SYP #2 OR BETTER W/ 1 1/2" PENETRATION.
1/4" LAG SCREW @ 18" O.C. INTO SYP #2 OR BETTER W/ 1 1/2" PENETRATION.



CONNECTIONS, WALL & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER, ANDERSON TRUSS JOB # 8-160.

WINDLOAD ENGINEER:
Mark Disoway, P.E.
No. 53915, POB 866, Lake City, FL 32056,
386-754-5419

DIMENSIONS:
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, P.E. for resolution. Do not proceed without clarification.
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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 R301.2-1, Florida building code residential 2004, to the best of my knowledge.
LIMITATION: This design is valid for one building, at specified location.

MARK DISOWAY
P.E. 53915

SEAL

Burbach Construction
Services, Inc.

Charles & Marlene
Meade

ADDRESS:
Lot 1 Columbia Meadows S/D
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:
September 15, 2008

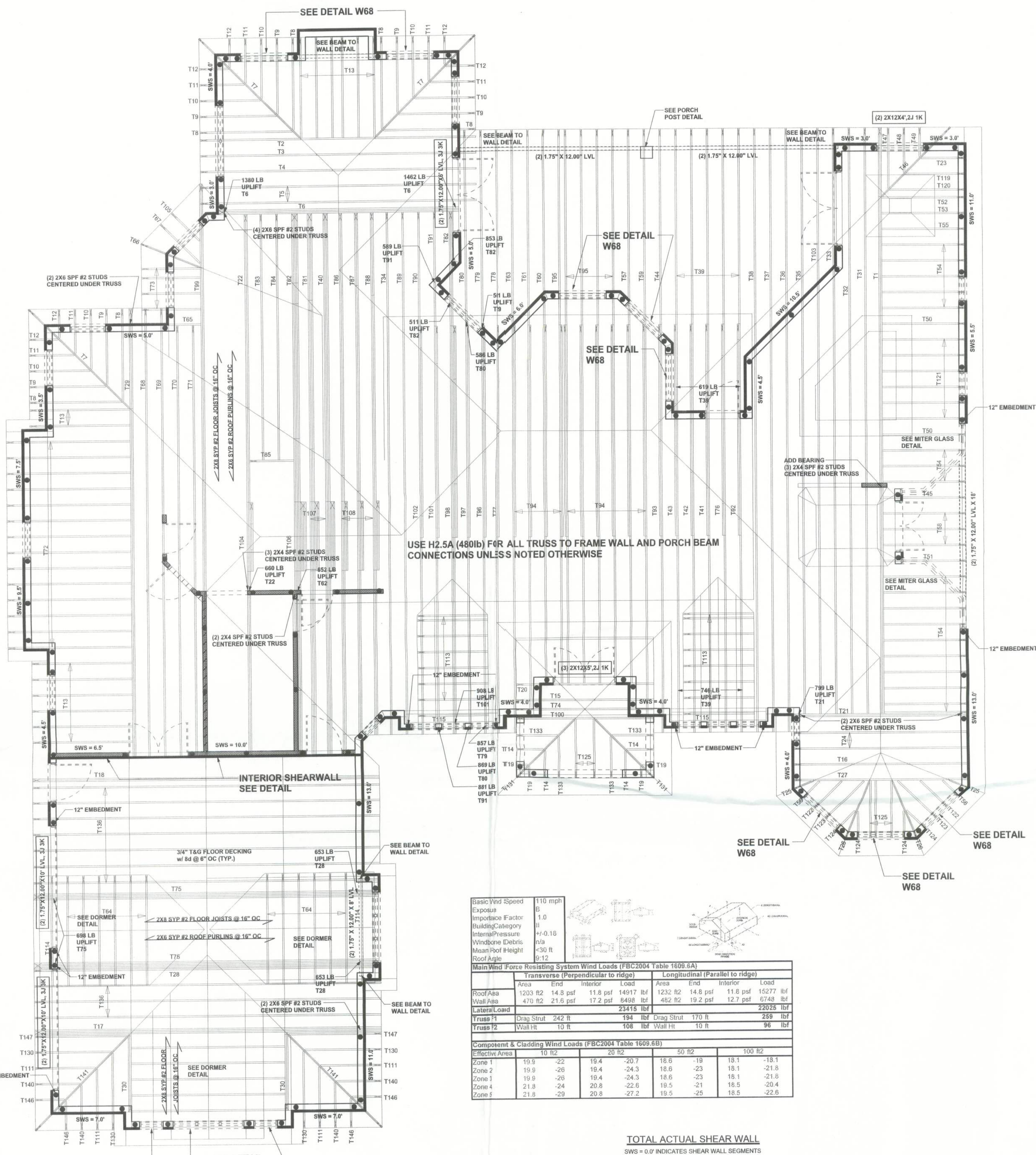
DRAWN BY: STRUCTURAL BY:
David Disoway

FINALS DATE:
05Sep08

JOB NUMBER:
808285

DRAWING NUMBER
S-3

OF 3 SHEETS



Basic Wind Speed	110 mph
Exposure	B
Importance Factor	1.0
Building Category	II
Internal Pressure	+/-0.18
Windborne Debris	R19
Mean Roof Height	<30 ft
Roof Angle	9:12

Main Wind Force Resisting System Wind Loads (FBC2004 Table 1609.6A)							
Transverse (Perpendicular to ridge)				Longitudinal (Parallel to ridge)			
Roof Area	End	Interior	Load	Roof Area	End	Interior	Load
1203 ft ²	14.8 psf	11.8 psf	14917 lbf	1232 ft ²	14.8 psf	11.8 psf	15277 lbf
Wall Area	470 ft ²	21.6 psf	17.2 psf	482 ft ²	19.2 psf	12.7 psf	6748 lbf
23415 lbf				22025 lbf			
Truss F1	Drag Strut	242 ft	194 lbf	Drag Strut	170 ft		259 lbf
Truss F2	Wall Ht	10 ft	108 lbf	Wall Ht	10 ft		96 lbf

Component & Cladding Wind Loads (FBC2004 Table 1609.6B)								
Effective Area	10 ft		20 ft		50 ft		100 ft	
	Zone 1	Zone 2	Zone 1	Zone 2	Zone 1	Zone 2	Zone 1	Zone 2
19.9	-22	19.4	-20.7	18.6	-18	18.1	-18.1	
19.9	-26	19.4	-24.3	18.6	-23	18.1	-21.8	
19.9	-26	19.4	-24.3	18.6	-23	18.1	-21.8	
21.8	-24	20.8	-22.6	19.5	-21	18.5	-20.4	
21.8	-29	20.8	-27.2	19.5	-25	18.5	-22.6	

TOTAL ACTUAL SHEAR WALL

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	TRANSVERSE	LONGITUDINAL
ACTUAL	28540 LBF	25777 LBF

WALL LEGEND

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

HEADER LEGEND

2X12X20' L1 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

THREADED ROD LEGEND

INDICATES LOCATION OF: 1ST FLOOR 1/2" A307 ALL THREADED ROD	
INDICATES LOCATION OF: 2ND FLOOR 1/2" A307 ALL THREADED ROD	

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) 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 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