

GENERAL NOTES:

CONFIRM THAT THE FOUNDATION DESIGN & SITE CONDITIONS MEET GRAVITY LOAD REQUIREMENTS (ASSUME 1000 PSF BEARING CAPACITY UNLESS VISUAL OBSERVATION OR SOILS TEST PROVES OTHERWISE)

MANUFACTURERS AND PRODUCT NUMBER FOR CONNECTORS, ANCHORS, AND REINFORCEMENT ARE LISTED FOREXAMPLE NOT ENDORSEMENT. AN EQUIVALENT DEVICE OF THE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED FOR ANY DEVICES LISTED IF THE EXAMPLE TABLES AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURER'S INSTALLATION INSTRUCTIONS MUST BE FOLLOWED TO ACHIEVE RATED LOADS.

ANCHOR BOLTS - A-307. MINIMUM EMBEDMENT: 7" IN CONCRETE OR REINFORCED BOND BEAM; 15" IN GROUTED CMU.

CONCRETE - MINIMUM COMPRESSIVE STRENGTH,  $F_c = 2500$  psi.

REBAR - GRADE 40 DEFORMED BARS,  $F_y = 36$  ksi. ALL LAPS 40"Db (25"FOR #5) UNLESS OTHERWISE SPECIFIED.

NAILS - ALL NAILS ARE COMMON NAILS UNLESS OTHERWISE SPECIFIED OR ACCEPTED BY SBC TEST REPORTS AS HAVING EQUAL STRUCTURAL VALUES.

7/16" OSB ROOF SHEATHING UNBLOCKED  
NAILED TO ROOF FRAMING 8d COMMON NAILS  
6"OC EDGES, 12"OC FIELD, 4" OC GABLES.

PRE-ENGINEERED WOOD ROOF TRUSSES  
AT 24" O.C. SELECT TRUSS CONNECTORS  
FROM THE ANCHOR TABLE  
PER TRUSS UPLIFT LOADS  
USE H16 UP TO 1265b UNO MAX 133" HEEL HEIGHT  
OR H10 UP TO 905b UNO  
OR H2.5 UP TO 415b UNO

(2) 2X4SPF#2 DOUBLE TOP PLATE  
NOTE: SEAL ALL PENETRATIONS IN TOP PLATE AND  
FIRE STOP BLOCKING WITH CODE APPROVED SEALANT

2x SYP FASCIA BOARD

24"

2X4 SPF#2 PRECUT STUDS AT 16" O.C.  
WITH SP4 TOP, BOTTOM & 48" OC

7/16" O.S.B. WALL SHEATHING FULLY BLOCKED  
8d COMMON NAILS  
6" OC EDGE, 12" OC FIELD  
UNLESS OTHERWISE NOTED ON SHEARWALL LAYOUT

4" CONCRETE FLOOR SLAB REINFORCED WITH  
6X6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS  
AT 1 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL  
POLY VAPOR BARRIER WITH 6" LAPS SEALED WITH  
POLY TAPE OVER TERMITE-TREATED AND COMPACTED FILL

2 x 4 P.T. PINE SOLE PLATE ANCHORED WITH  
WITH 1/2"x10" ANCHOR BOLTS WITH 2X2X.140"  
STEEL WASHER 48" O.C.

1-#5, CONTINUOUS, IN CONCRETE BOND BEAM  
AT SLAB EDGE INTERSECTION WITH STEMWALL

APPROXIMATE FINISH GRADE

8" CONCRETE BLOCK STEMWALL. GROUT REINFORCED CELLS  
HEIGHT VARIES (MINIMUM 2 COURSES MAX 5 COURSES)

1-#5 STEEL DOWEL WITH 24" HOOK BENT INTO SLAB AND 6" HOOK @  
FOOTING TIED TO FOOTING STEEL AND TO BOND BEAM STEEL  
AT EACH CORNER AND AT 96" O.C.

20" X 10" POURED CONCRETE STRIP FOOTING  
(MINIMUM 2500-PSI AT 28 DAYS)  
REINFORCED WITH 2- #5 REBARS, CONTINUOUS

SINGLE STORY EXTERIOR WALL SECTION

ROOF SYSTEM DESIGN

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBC 2001, SECTION 1606 IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WINDLOAD ENGINEER.

IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE COMPLETE ROOF SYSTEM DESIGN SUBMITTED BY THE TRUSS MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FBC 2001 REQUIRED LOADS AND ANY SPECIAL LOADS. THE BUILDER IS RESPONSIBLE TO REVIEW EACH INDIVIDUAL TRUSS MEMBER AND THE TRUSS ROOF SYSTEM AS A WHOLE AND TO PROVIDE RESTRAINT FOR ANY LATERAL BRACING.

THE BUILDER SHOULD USE CARE CHECKING THE ROOF DESIGN BECAUSE THE WINDLOAD ENGINEER IS SPECIFICALLY NOT RESPONSIBLE FOR THE TRUSS LAYOUT WHICH WAS CREATED BY THE TRUSS MANUFACTURER AND THE TRUSS DESIGNER ALSO DENIES RESPONSIBILITY FOR THE LAYOUT PER NOTES ON THEIR SEALED TRUSS SHEETS.

ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS  
MANUFACTURER'S ENGINEERING

UPLIFT LBS.	TRUSS CONNECTOR*	TO PLATES	TO RAFTER	TO STUDS
< 415	H2.5	5-8d, 1 1/2"	5-8d, 1 1/2"	
< 750	H16	4-10d, 1 1/2"	2-10d, 1 1/2"	
< 905	H10	8-8d, 1 1/2"	8-8d, 1 1/2"	
< 1120	H15 - 1	4-10d, 1 1/2"	12-10d, 1 1/2"	12-10d, 1 1/2"
< 1120	H15 - 2	4-10d, 1 1/2"	4-10d, 1 1/2"	12-10d, 1 1/2"
< 1265	H16 - 1	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1265	H16 - 2	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 860	MTS20	7-10d, 1 1/2"	7-10d, 1 1/2"	
< 1245	HTS20	12-10d, 1 1/2"	12-10d, 1 1/2"	
< 2490	2 - HTS20			
< 1785	LGT2	14 - 16d, 1 1/2"	14 - 16d, 1 1/2"	
STUD STRAP CONNECTOR*				
< 735	SP4	6-10d, 1 1/2"		
< 905	LSTA21	16-10d, 1 1/2"		
< 1240	SPH4	10-10d, 1 1/2"		
< 1005	CS20	18-8d, 1 1/2"		
< 1650	CS16	28-8d, 1 1/2"		
STUD ANCHORS*				
		TO STUDS	TO FLOOR	
< 1205	LTT19	8-16d	1/2" AB	
< 2185	LTT131	18 - 10d	1/2" AB	
< 2565	HD2A	2 - 5/8" BOLTS	5/8" AB	
< 3480	HTT16	18 - 16d 1 1/2"	5/8" AB	
< 2200	ABU44	12-16d	1/2" AB	
< 2300	ABU66	12-16d	1/2" AB	

WALL STUD TABLE

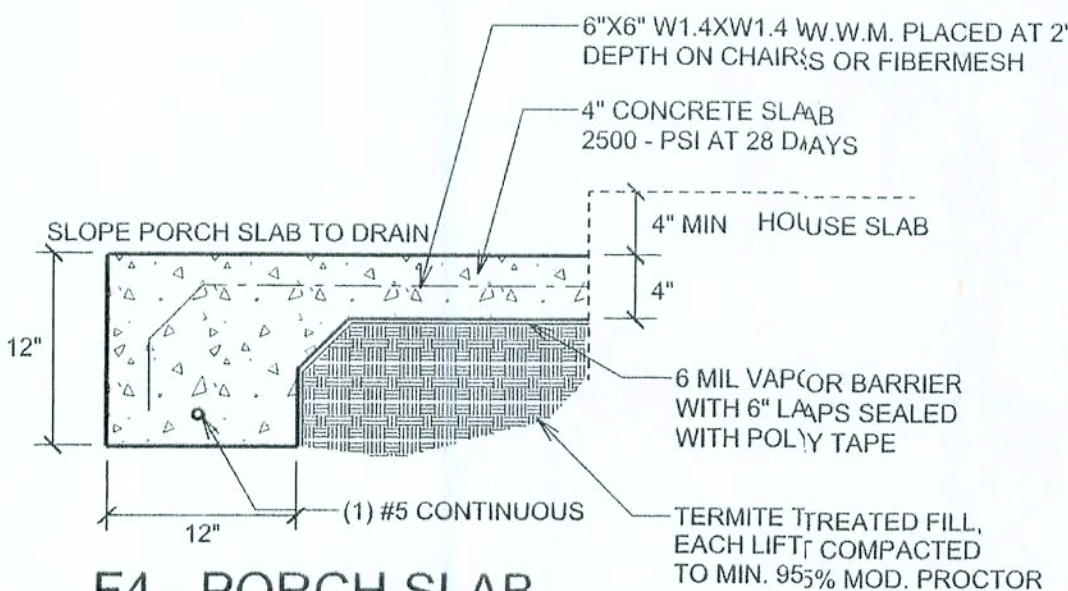
1 - 2 X 4	TO 10 FT. WALL HEIGHT
2 - 2 X 4	TO 12.5 FT. WALL HEIGHT
3 - 2 X 4	TO 16.5 FT. WALL HEIGHT
1 - 2 X 6	TO 16 FT. WALL HEIGHT
1 - 2 X 6	TO 21 FT. WALL HEIGHT

TRUSSES:

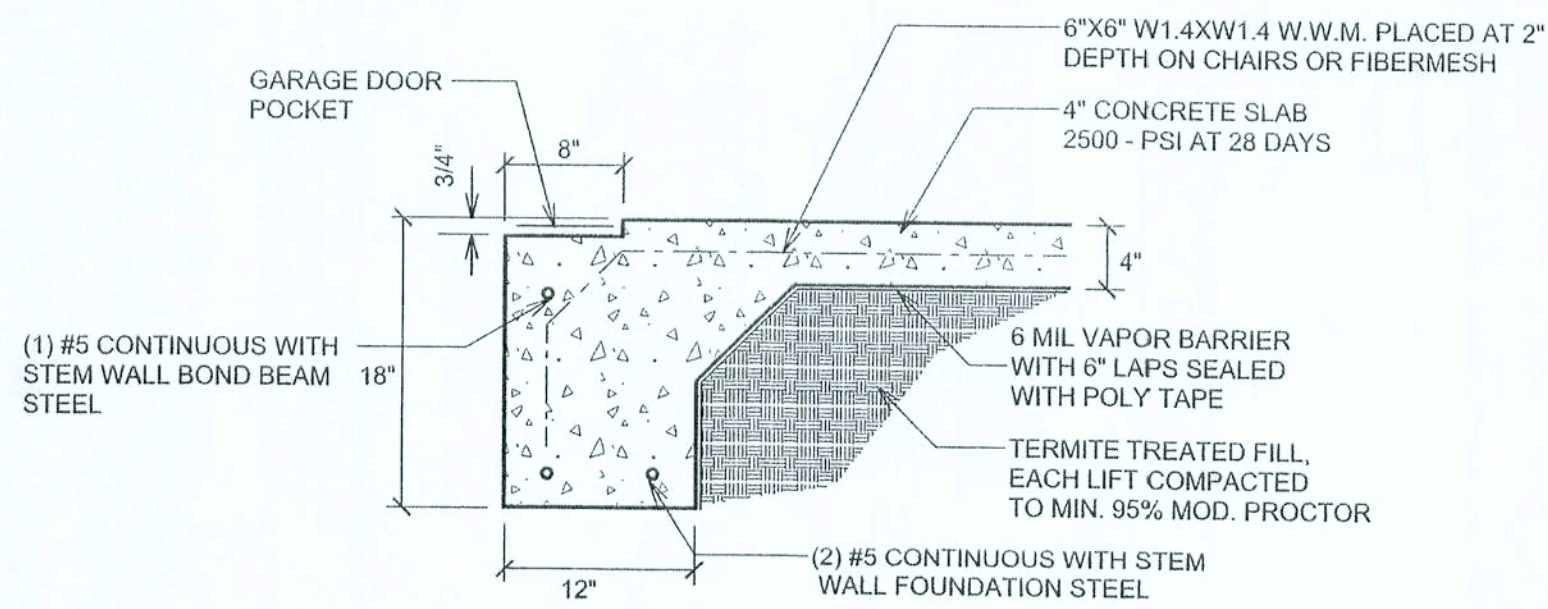
TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND ITS CONNECTIONS" AND "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING AND HANDLING OF TRUSSES. TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING, ANY STICK FRAMING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, MAXIMUM UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY TO SELECT UPLIFT CONNECTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. BUILDER IS TO FURNISH TRUSS ENGINEERING TO WIND LOAD ENGINEER FOR REVIEW OF TRUSS REACTIONS ON THE BUILDING STRUCTURE. STRAP 2X6 RAFTERS WITH MIN UPLIFT CONNECTION 415LB EACH END; 2X8 RAFTERS 700 LB EACH END.

DESIGN DATA

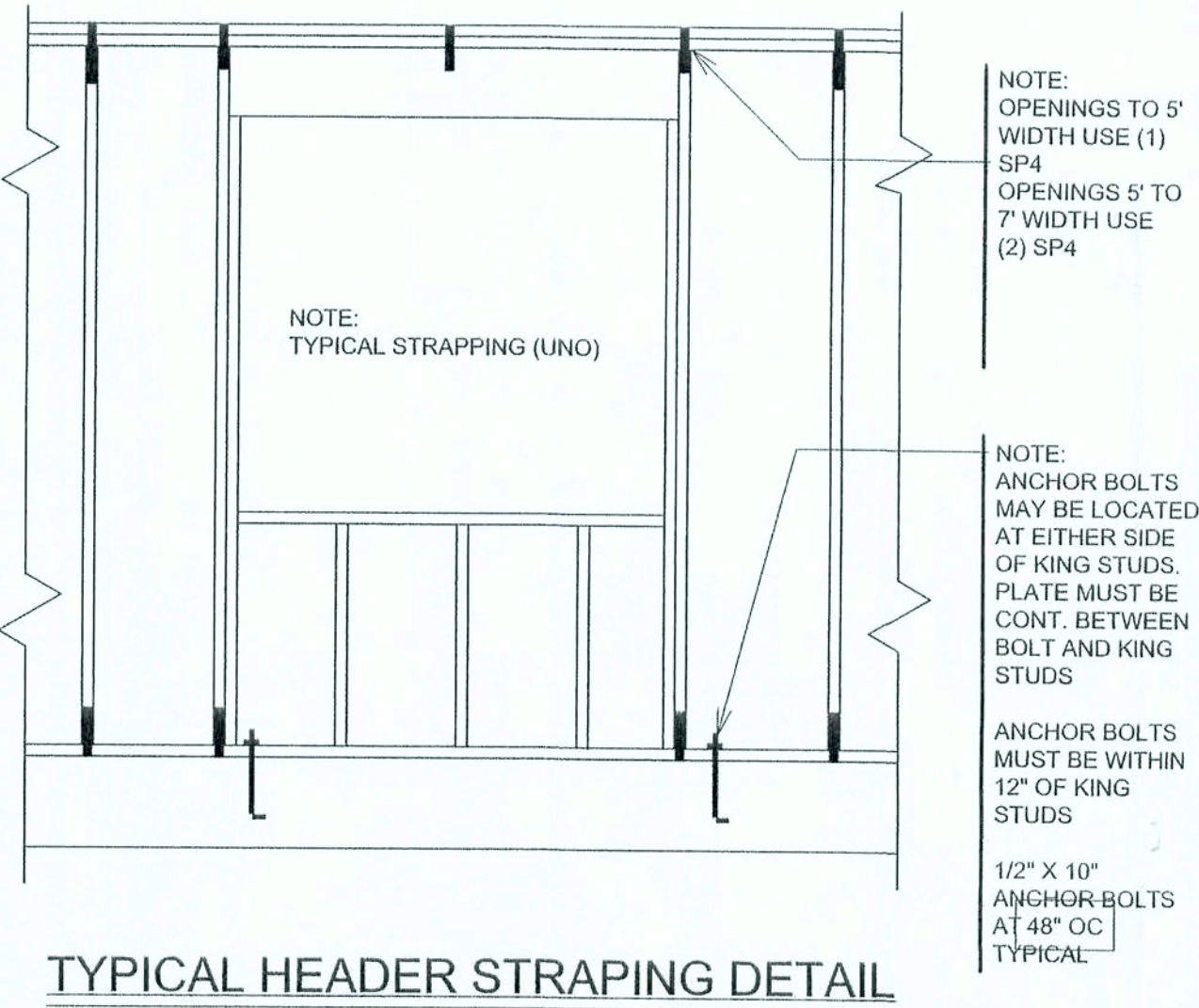
WIND LOAD	
PURSUANT TO SECTION 1606.1.7 OF THE FLORIDA BUILDING CODE 2001, THE FOLLOWING DATA RELATING TO WIND LOADS WAS USED IN PREPARATION OF THIS PLAN:	
1.) BASIC WIND SPEED = 110 MPH	
2.) WIND IMPORTANCE FACTOR = 1	
3.) BUILDING CATEGORY = II	
4.) INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)	
5.) DESIGN WIND PRESSURE (DOORS & WINDOWS) = 21.8 / -29.1 PSF GARAGE DOOR 9X7 = + 19.3 / - 24.1 PSF 16X7 AND LARGER = + 18.5 / - 20 PSF	
DESNIGN LOADS	
ROOF LIVE LOAD 20psf	
FLOOR LIVE LOAD 40psf	
FLOOR LIVE LOAD BEDROOMS 30psf	



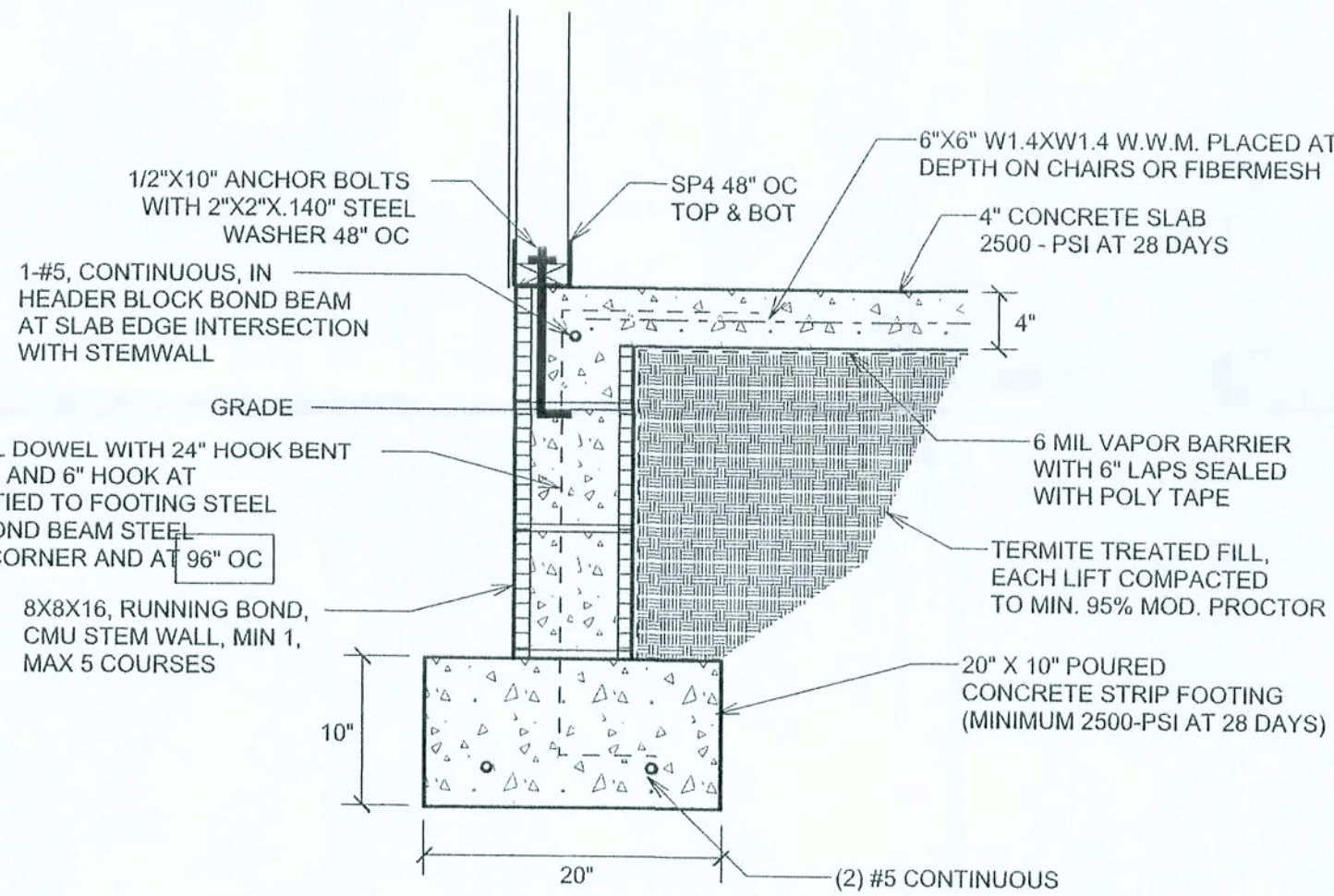
F4 - PORCH SLAB  
SCALE: 1" = 1'-0"



F5 - GARAGE DOOR POCKET  
SCALE: 1" = 1'-0"



TYPICAL HEADER STRAPPING DETAIL



F1 - STEM WALL FOUNDATION  
SCALE: 1" = 1'-0"

INSPECTION REPORT  
SEE SHT #2

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS PLAN, AND THAT THE APPLICABLE PORTIONS OF THE PLAN, RELATING TO WIND ENGINEERING COMPLY WITH SECTION 1606, FLORIDA BUILDING CODE 2001, TO THE BEST OF MY KNOWLEDGE.

REVISIONS

MARK DISOSWAY, P.E.  
P.O. BOX 868, LAKE CITY, FL 32056  
PHONE: (386) 754-5413 FAX: (386) 754-6749

JEFFERY HILL RESIDENCE

LOT# 2 HAIGHT-ASHBURY S/D, COLUMBIA COUNTY, FLORIDA  
OR LOT# 22

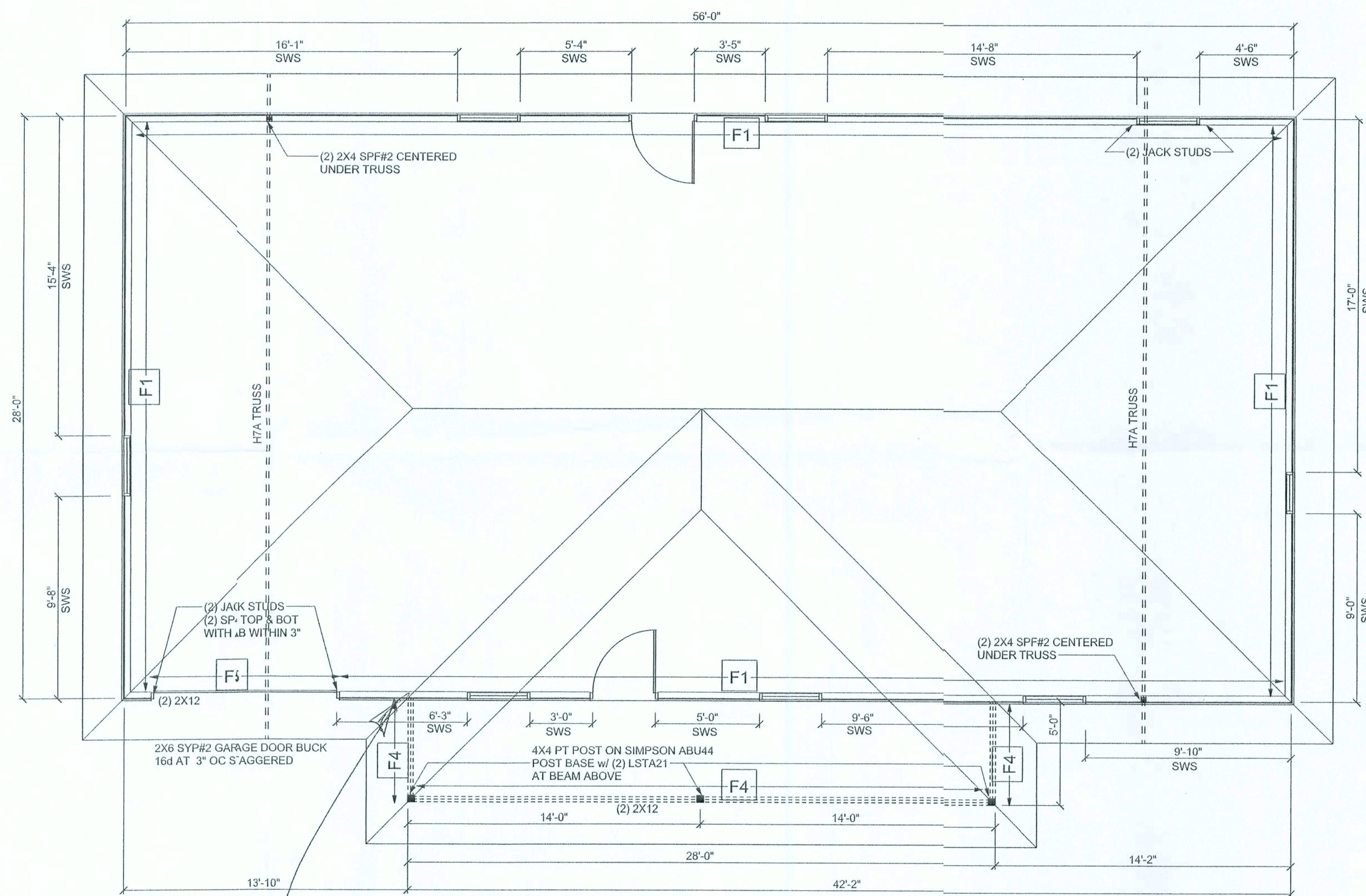
07 / Oct / 04

MARK DISOSWAY  
P.E. 53915  
27 Nov 06  
SEAL

SHEET NAME  
STRUCTURAL  
DETAILS

JOB NUMBER  
31111 a - 1





DAMAGED AREA OF WALL  
(FLIPPED PLAN + PORCH WAS SHORTENED)

**SHEAR WALL LAYOUT**  
SCALE: 1/4" = 1'-0"

**TOTAL SHEARWALL SEGMENTS**

	REQUIRED	ACTUAL
TRANSVERSE	20'	51'
LONGITUDINAL	22'	77.5'

	7/16" O.S.B. WALL SHEATHING 8d COMMON NAILS FULLY BLOCKED 8" OC EDGE, 12" OC FIELD
	NOTE: ALL LOAD BEARING HEADERS SHALL BE A MINIMUM OF (2) 2X10 SYP#2 (U.O.N.)
	DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

CONNECTIONS, WALL, & HEADER DESIGN IS BASED  
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING  
FURNISHED BY BUILDER. (ANDERSON TRUSS CO. INC.  
JOB# 01 - 142 DATE 04/17/02  
DESCRIPTION JEFFERY HILL)

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS PLAN, AND THAT  
THE APPLICABLE PORTIONS OF THE PLAN, RELATING TO WIND  
ENGINEERING COMPLY WITH SECTION 1606, FLORIDA BUILDING  
CODE 2001, TO THE BEST OF MY KNOWLEDGE.

**INSPECTION REPORT**  
I INSPECTED DAMAGE TO  
THE FRONT WALL OF THIS  
HOUSE DONE BY VEHICLE COLLISION.  
THE DAMAGE APPEARED CONFINED  
TO THE WOOD FRAMED STUD WALL  
WITH NO DAMAGE TO ROOF,  
CEILING, OR FLOOR SLAB. REPAIR  
SHOULD BE DONE TO MATCH  
DETAILS ON SHEET 1. REPLACE  
STUDS + SHEATHING IN DAMAGED  
AREA

<b>JEFFERY HILL RESIDENCE</b> LOT# 2 HAIGHT-ASHBURY S/D, COLUMBIA COUNTY, FL OR LOT# 22		<b>MARK DISOSWAY, P.E.</b> P.O. BOX 888, LAKE CITY, FL 32056 PHONE: (386) 754-5413 FAX: (386) 754-6749		REVISIONS <table border="1"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>				
07 / Oct. / 04		MARK DISOSWAY P.E. 59915  SEAL	SHEET NAME SHEAR WALL LAYOUT					
JOB NUMBER 311111a-2								

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