

# REVISIONS

12Sep07

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

## STRUCTURAL PLAN NOTES

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

## WALL LEGEND

SWS = 0.0'	1ST FLOOR EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR WALL
IBW	1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1
IBW	2ND FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1

## HEADER LEGEND

(2) 2X10X0', 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	

## TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	31.0'	35.0'
LONGITUDINAL	28.5'	45.5'

WINDLOAD ENGINEER: Mark Disoway,  
PE No. 53915, POB 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.

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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 section RS17.2.1, 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

*Mark Disoway*  
12Sep07  
SEAL

## Compass Builders

Spec House  
Lot 22  
Columbia Homesites S/D

ADDRESS:  
Lot 22 Columbia Homesites 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 12, 2007

DRAWN BY:  
David Disoway

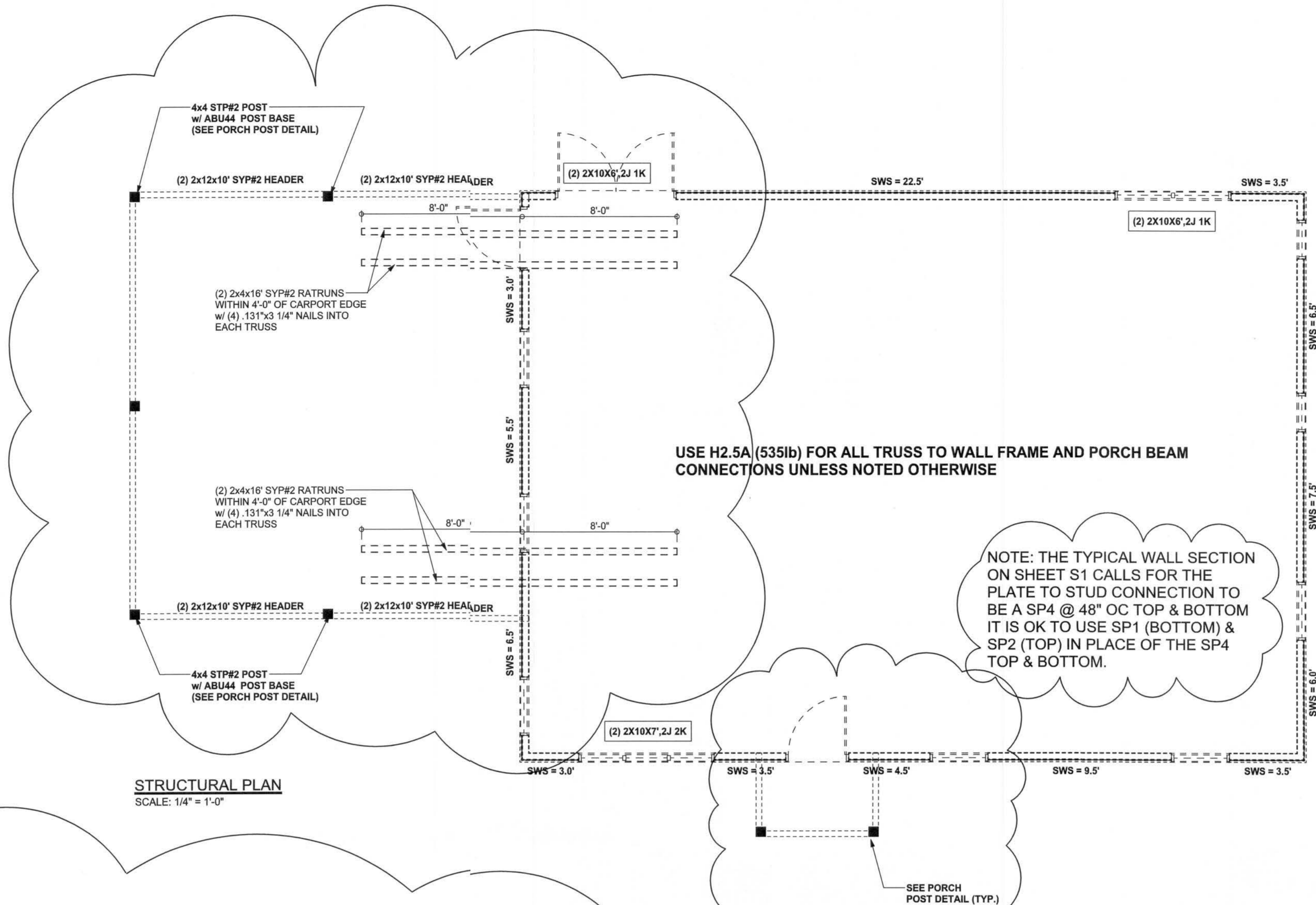
CHECKED BY:

FINALS DATE:  
11 / Apr / 07

JOB NUMBER:  
704094

DRAWING NUMBER  
S-3

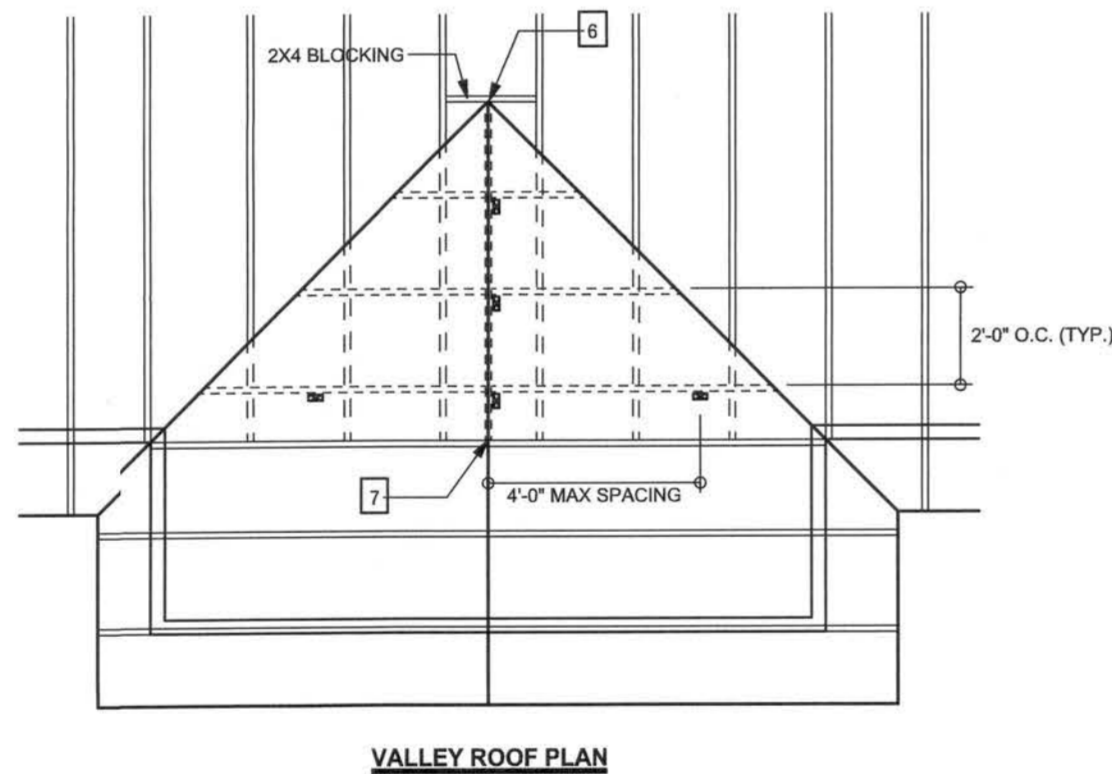
OF 3 SHEETS



STRUCTURAL PLAN  
SCALE: 1/4\" = 1'-0"

## 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 #2
CRIPPLES & BLOCKING	2X4 SPF #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. SHINGLE ROOF) MAX

## CONNECTION REQUIREMENT NOTES

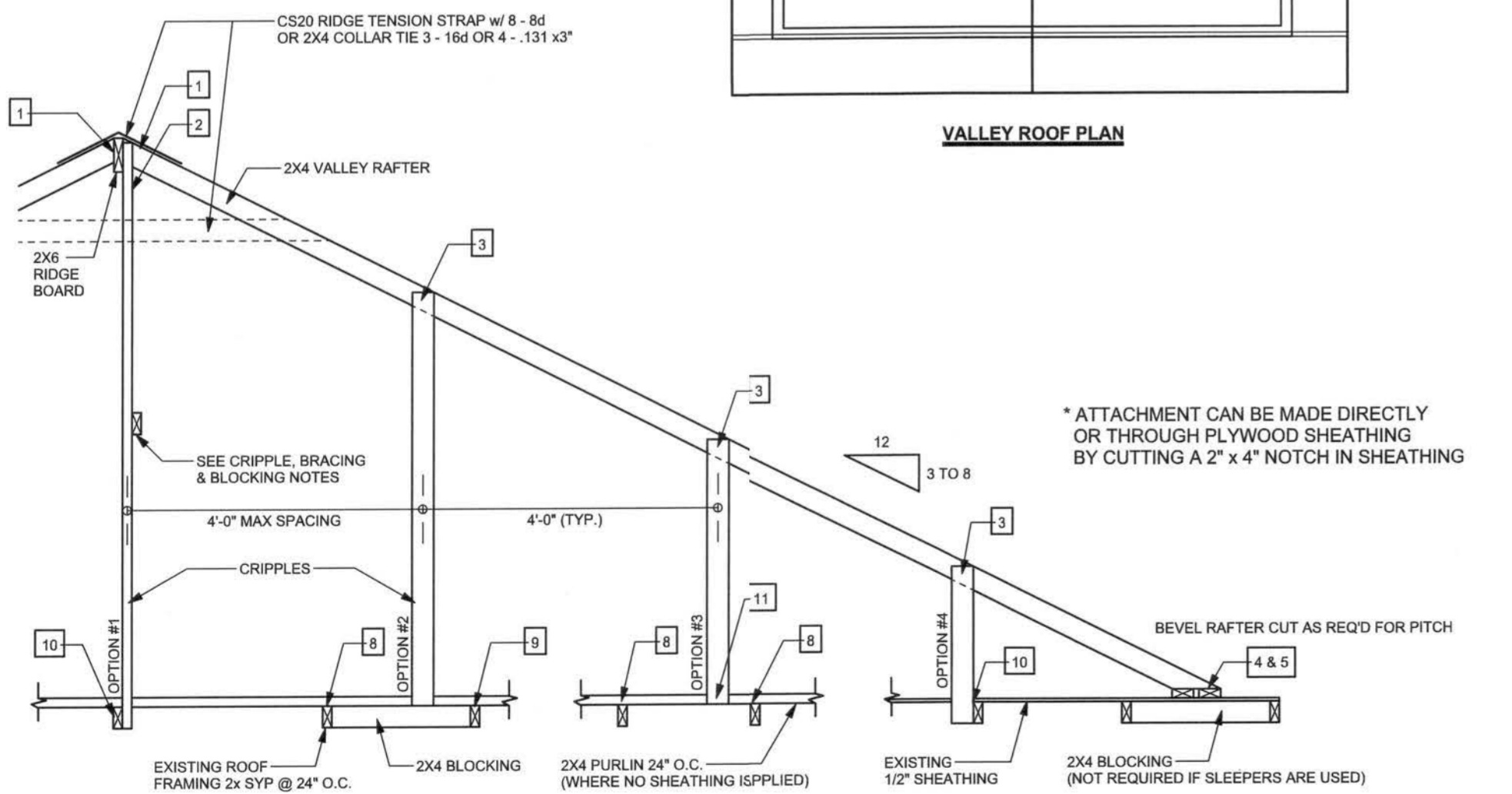
1	2X4 RAFTERS TO RIDGE	3-16d OR 8-13 31 x 3\" TOE NAILS
2	CRIPPLE TO RIDGE	3-16d OR 8-13 31 x 3\" FACE NAILS
3	CRIPPLE TO RAFTERS	3-16d OR 8-13 31 x 3\" FACE NAILS
4	RAFTER TO SLEEPER OR BLOCKING	6-16d OR 12-13 31 x 3\" TOE NAILS
5	SLEEPER TO TRUSS	4-16d OR 8-13 31 x 3\" FACE NAILS EACH TRUSS
6	RIDGE BOARD TO ROOF BLOCK	3-16d OR 8-13 31 x 3\" TOE NAILS
7	RIDGE BOARD TO TRUSS	3-16d OR 8-13 31 x 3\" TOE NAILS
8	PURLIN TO TRUSS (TYP.)	3-16d OR 8-13 31 x 3\" NAILS
9	PURLIN TO TRUSS (IF CRIPPLE IS ATTACHED TO PURLIN)	4-16d OR 8-13 31 x 3\" NAILS
10	TRUSS TO BLOCKING	3-16d OR 8-13 31 x 3\" END NAILS
11	CRIPPLE TO TRUSS	3-16d OR 8-13 31 x 3\" FACE NAILS
12	CRIPPLE TO PURLIN	3-16d OR 8-13 31 x 3\" FACE NAILS

## GENERAL NOTES

- MAXIMUM RAFTER SPANS: 6'-0\" FOR 2X4, 9'-0\" FOR 2X6 SPF #2 OR SYP #2.
- MAXIMUM ROOF AREA PER SUPPORT: 1682 IN ZONES 2 & 3, 2482 IN ZONE 1, (EXAMPLE: 4'-0\" O.C. x 4'-0\" SPAN = 1682 OR 2'-0\" x 9'-0\" SPAN = 1682)
- 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 8-16d COMMON WIRE NAILS.
- THIS DRAWING APPLIES TO VALLEYS WITH THE FOLLOWING CONDITIONS:
  - SPANS (DISTANCE BETWEEN HEELS) 40'-0\" OR LESS
  - MAXIMUM VALLEY HEIGHT: 14'-0\" OR LESS
  - MAXIMUM WIND SPEED: 120 MPH
  - MAXIMUM MEAN ROOF HEIGHT: 30 FEET
  - MAXIMUM TOTAL LOADING: 40 psf
  - MEETS FBC 2001/ASCE 7-98 WIND REQUIREMENTS
  - EXPOSURE CATEGORY "B", I = 1.0, K<sub>z</sub> = 1.0
  - ENCLOSED BUILDING

## CRIPPLE BRACING & BLOCKING NOTES

- 2X4 CONTINUOUS LATERAL BRACE (CLB) MIN. IS REQUIRED FOR CRIPPLES 9'-0\" TO 10'-0\" LONG NAILS w/ 2-10d NAILS OR 2X4 \" OR SCAB BRACE NAILS TO PLAT EDGE OF CRIPPLE WITH 8d NAILS @ 8\" O.C. \" OR SCAB MUST BE 90% OF CRIPPLE LENGTH. CRIPPLES OVER 10'-0\" LONG REQUIRE TWO CLBs OR BOTH FACES w/ \" 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.



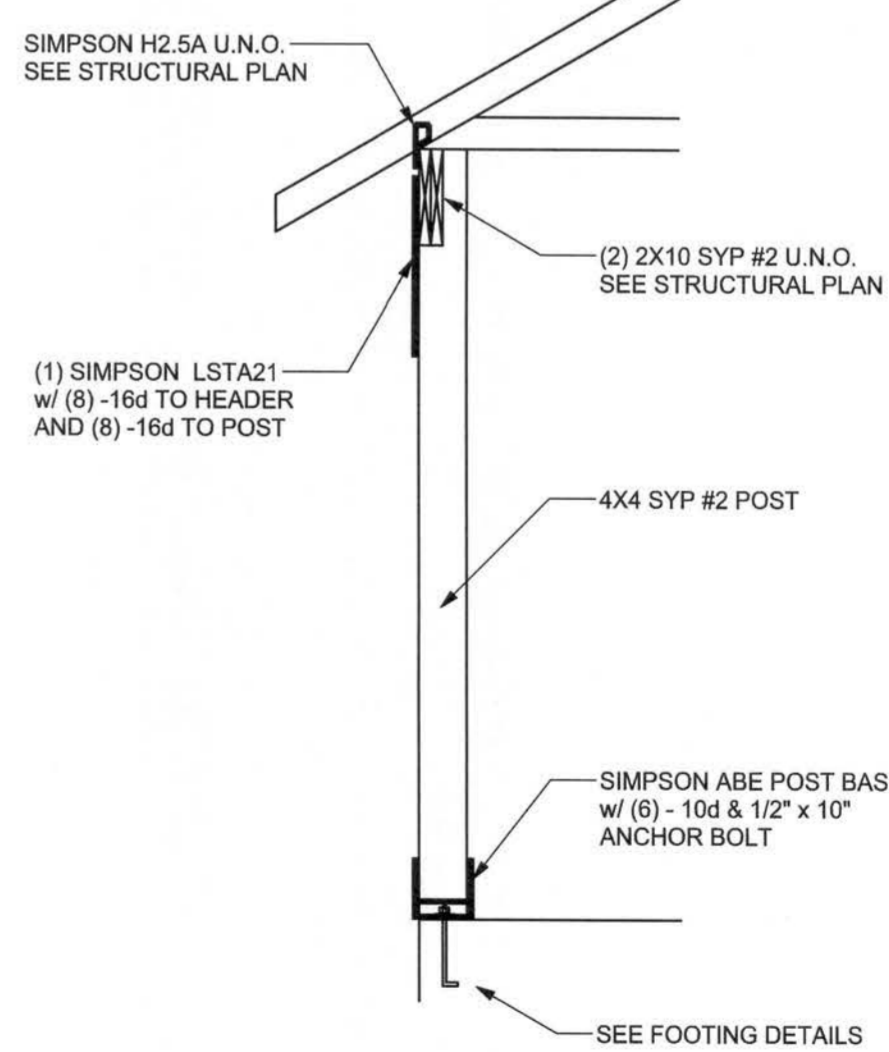
SECTION CUT PARALLEL TO VALLEY Rafter

## RETRCIT ROOF OVER FRAMING & BRACING DETAIL

SCALE: N.T.S.

## TYPICAL CAR - PORT POST DETAIL

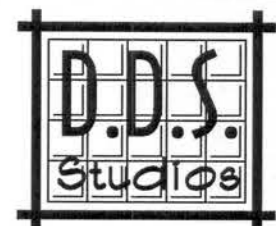
SCALE: 1/2\" = 1'-0"



TYPICAL PORCH POST DETAIL

SCALE: 1/2\" = 1'-0"

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER, W. B. HOWLAND TRUSS JOB #4490



D.D.S. STUDIOS  
P.O. Box 278  
Lake City, FL 32056  
(386) 754-0181

**THE THOMAS**  
LICENSED TO: COMPASS BUILDERS  
COLUMBIA HOMESITES, LOT 22  
COPYRIGHT: 2000 DDS STUDIOS

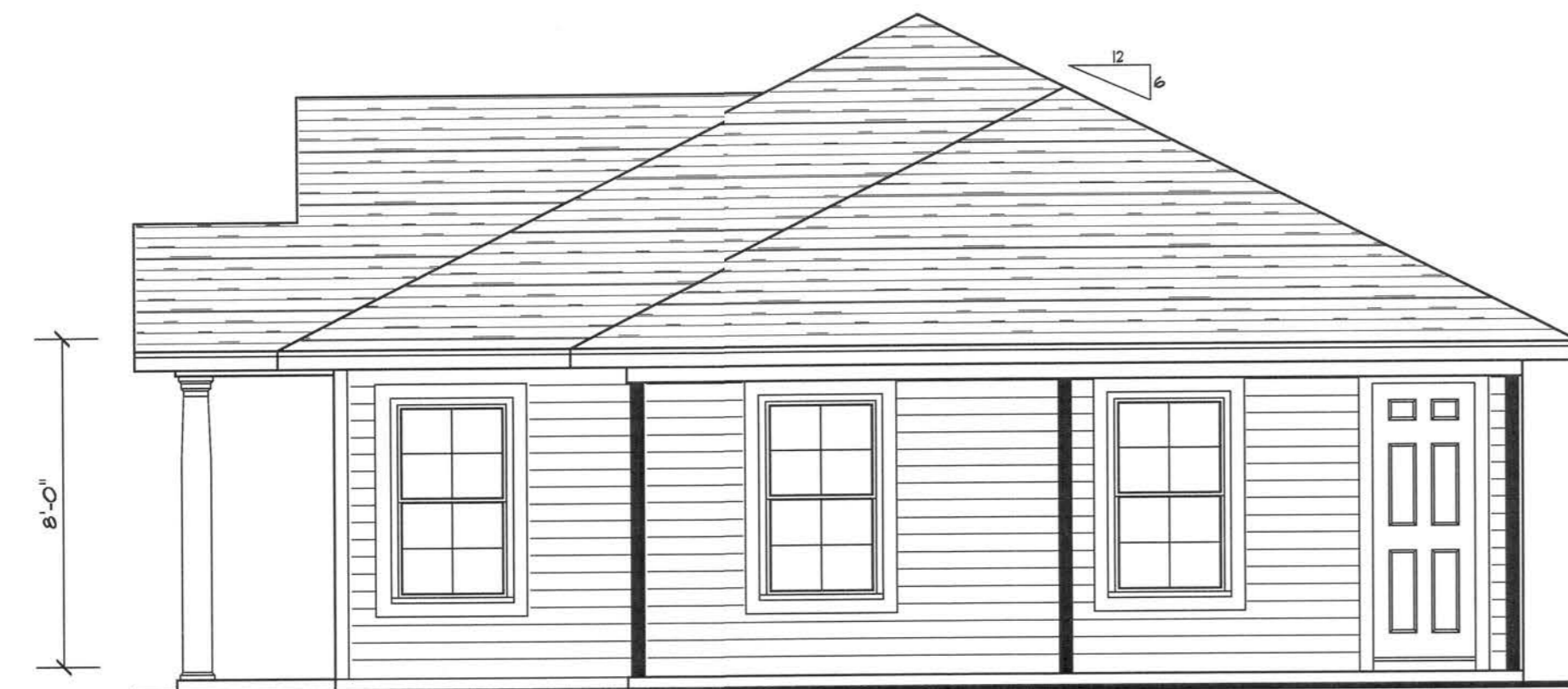
OUR PLANS ARE DRAFTED FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES IN LAKE CITY, FL. AT THE TIME THEY ARE DRAFTED. DUE TO VARYING STATE, LOCAL, AND NATIONAL CODES, RULES AND REGULATIONS, DDS STUDIOS CANNOT WARRANT COMPLIANCE WITH ALL APPLICABLE STATE, LOCAL, AND NATIONAL CODES IN YOUR AREA OR WITH YOUR PARTICULAR SITE CONDITIONS. IT IS THE RESPONSIBILITY OF THE PURCHASER AND/OR BUILDER TO SEE THAT THE STRUCTURE IS BUILT IN STRICT COMPLIANCE WITH ALL GOVERNING MUNICIPAL, COUNTY, STATE, AND FEDERAL, IF YOUR CITY OR STATE REQUIRES AN ENGINEER'S STAMP, YOU WILL NEED TO HAVE THAT DONE LOCALLY BY A QUALIFIED ARCHITECT OR ENGINEER.

**EXTERIOR ELEVATIONS**  
**TYPICAL WALL SECTION**

SHEET NUMBER  
1 of 2

All work shall comply with the standard building code, and all applicable local codes and ordinances.

Contractor shall verify all dimensions prior to commencing construction.



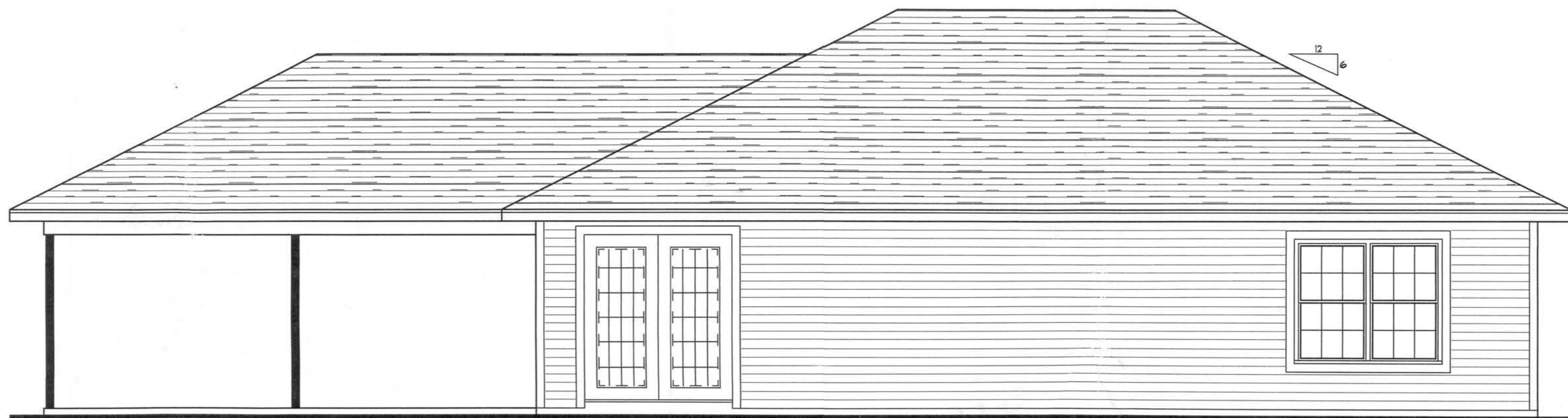
**RIGHT ELEVATION**

SCALE: 1/4" = 1'



**FRONT ELEVATION**

SCALE: 1/4" = 1'



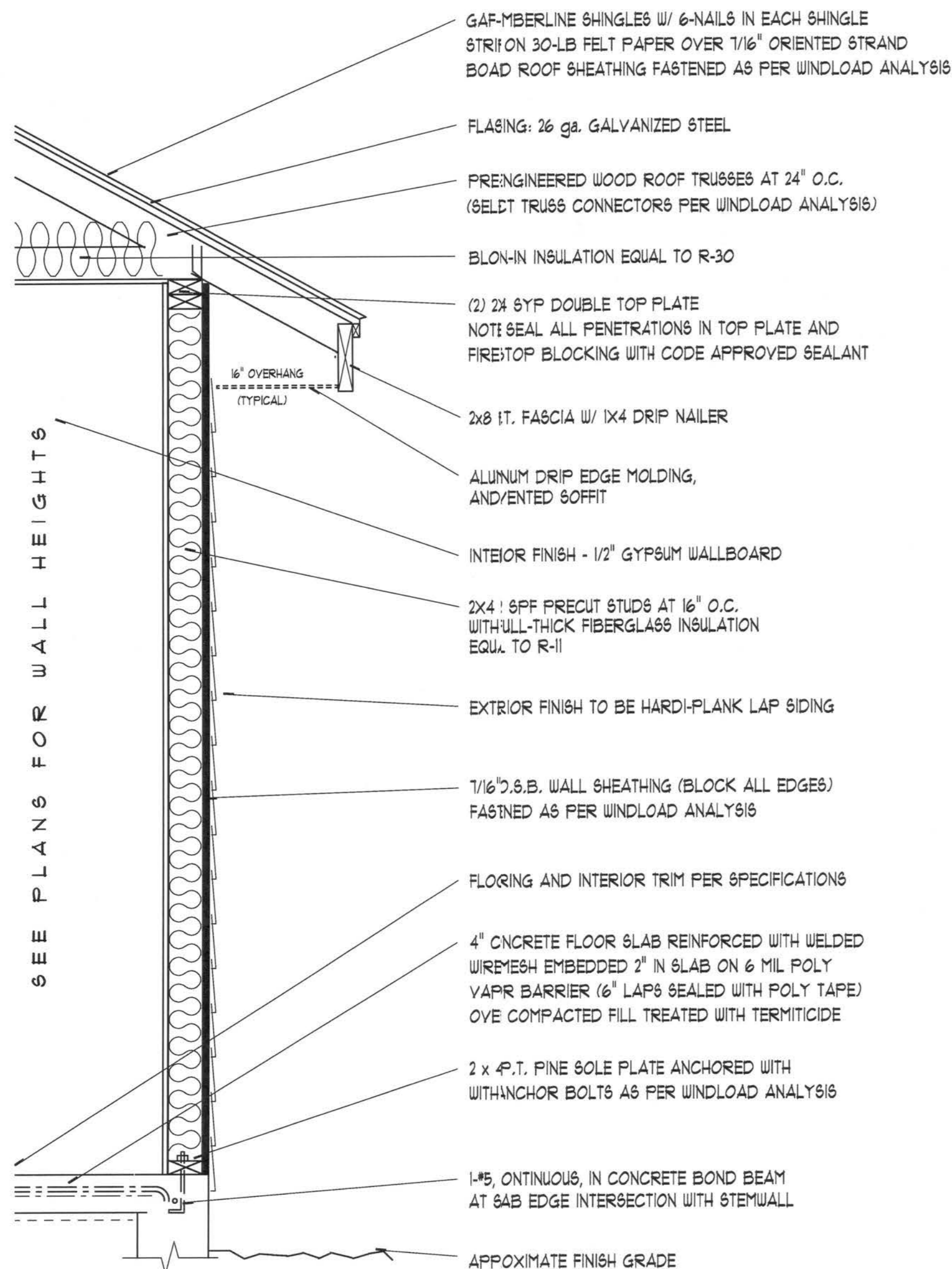
**REAR ELEVATION**

SCALE: 1/4" = 1'



**LEFT ELEVATION**

SCALE: 1/4" = 1'



**TYPICAL WALL SECTION**

SCALE: 1" = 1'-0"



**D.D.S. STUDIOS**  
P.O. Box 273  
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**FLOOR PLAN**  
**ELEC PLAN**  
**ROOF PLAN**

SHEET NUMBER  
**2 of 2**

All work shall comply with the standard building code, and all applicable local codes and ordinances.  
Contractor shall verify all dimensions prior to commencing construction.

# ELECTRICAL PLAN NOTES

- E-1 ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, LATEST EDITION, AND ALL OTHER APPLICABLE LOCAL CODES AND ORDINANCES.
- E-2 NOTE: ALL SMOKE DETECTORS TO BE WIRED TOGETHER TO ACTIVATE ALL ALARMS IF ANY ONE UNIT IS ACTIVATED.
- E-3 PROVIDE WIRING AS REQUIRED FOR APPLIANCES, AIR CONDITIONING, HEATING AND WATER HEATING EQUIPMENT.
- E-4 ALL BEDROOM RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT).

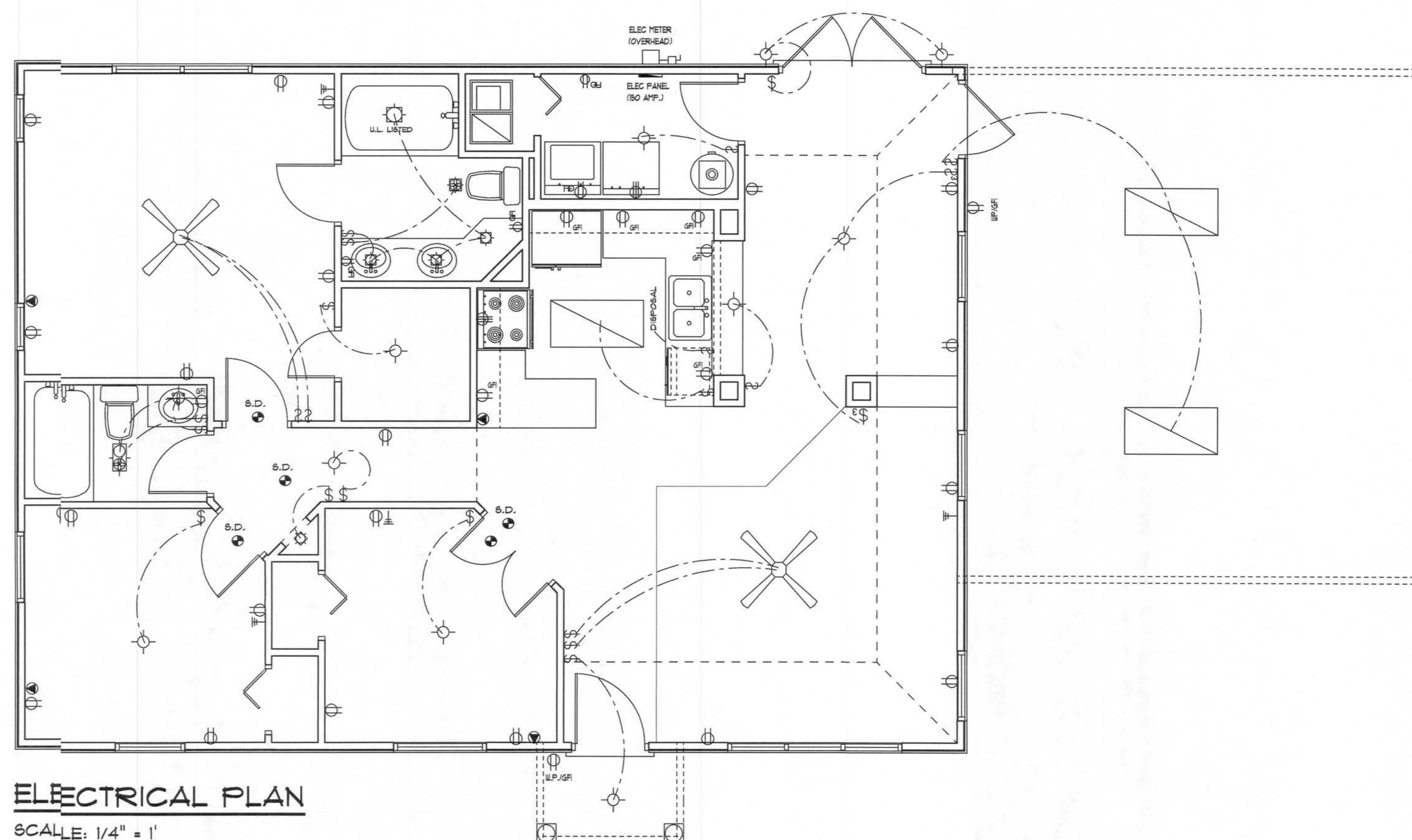
NOTE: PROVIDE OUTLETS PER CODE REQUIREMENTS

NOTE: PROVIDE SMOKE DETECTORS PER CODE REQUIREMENTS

NOTE:  
THIS ELECTRICAL PLAN IS A SCHEMATIC WITH SUGGESTED SWITCH, RECEPTACLE, AND LIGHT FIXTURE LOCATIONS. DUE TO VARYING LOCAL AND STATE CODES, REGULATIONS, AND STATUTES, IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO COMPLY WITH ALL LOCAL AND STATE CODES, REGULATIONS AND STATUTES.

## ELECTRICAL PLAN

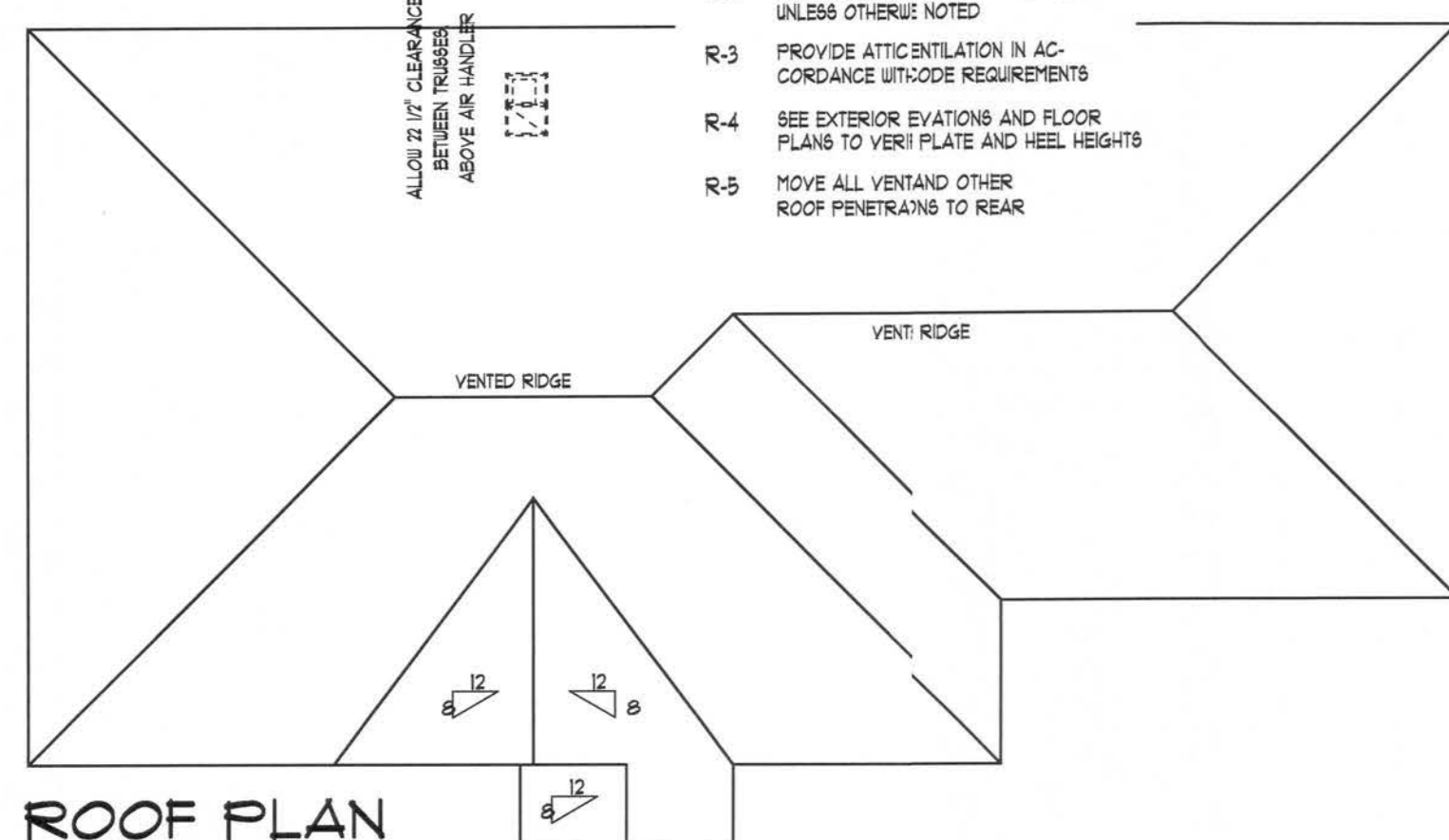
SCALE: 1/4" = 1'



# ROOF PLAN NOTES

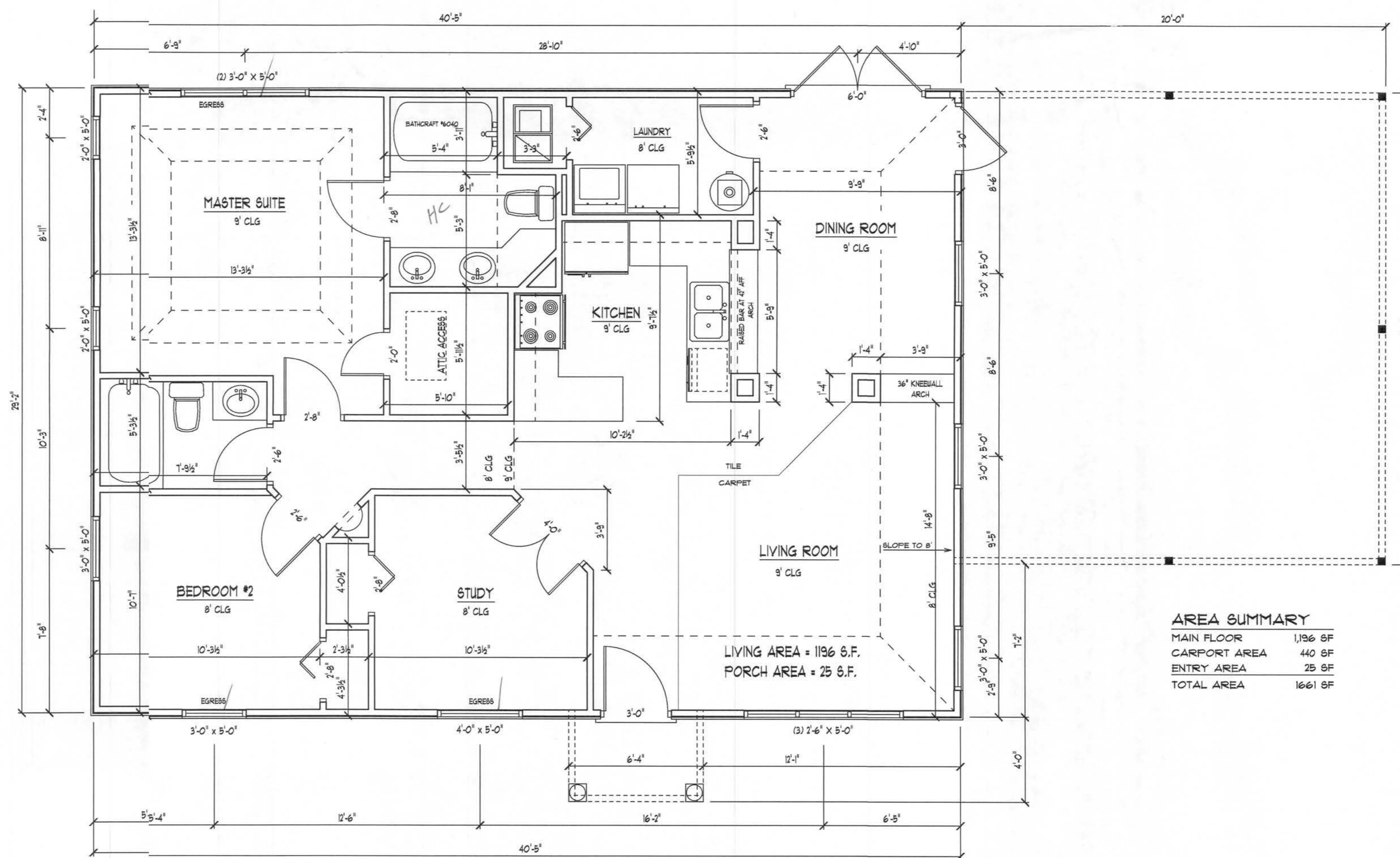
- R-1 ALL ROOF PITCH 12 UNLESS OTHERWISE NOTED
- R-2 ALL OVERHANGS 12" AT GABLES UNLESS OTHERWISE NOTED
- R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH CODE REQUIREMENTS
- R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HILL HEIGHTS
- R-5 MOVE ALL VENT AND OTHER ROOF PENETRATIONS TO REAR

ALLOW 12" CLEARANCE BETWEEN TRUSSES ABOVE AIR HANDLER



## ROOF PLAN

SCALE: 1/8" = 1'



AREA SUMMARY	
MAIN FLOOR	1136 SF
CARPORT AREA	440 SF
ENTRY AREA	25 SF
TOTAL AREA	1601 SF

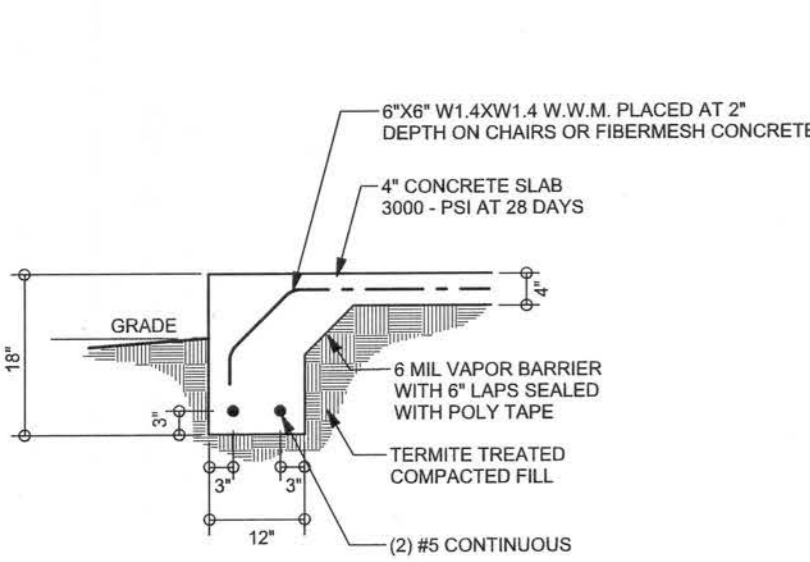
## FLOOR PLAN

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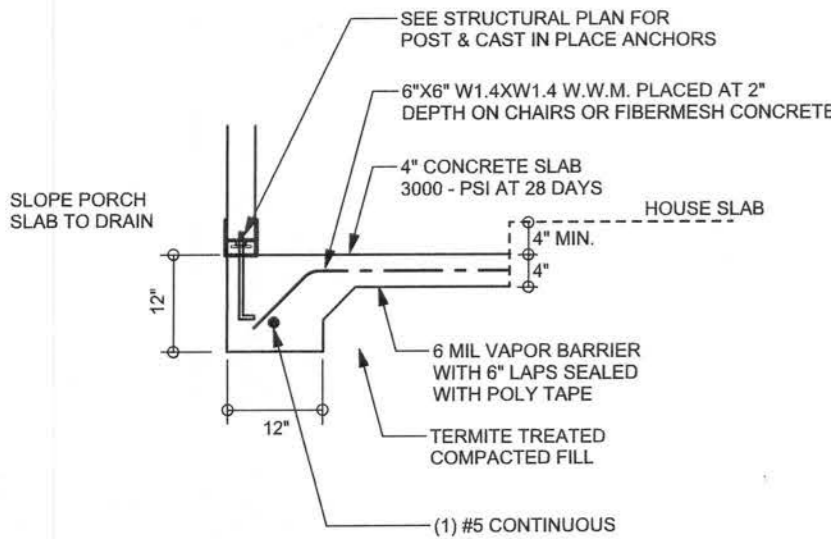
*Daniel Shaheen*  
**Daniel Shaheen**



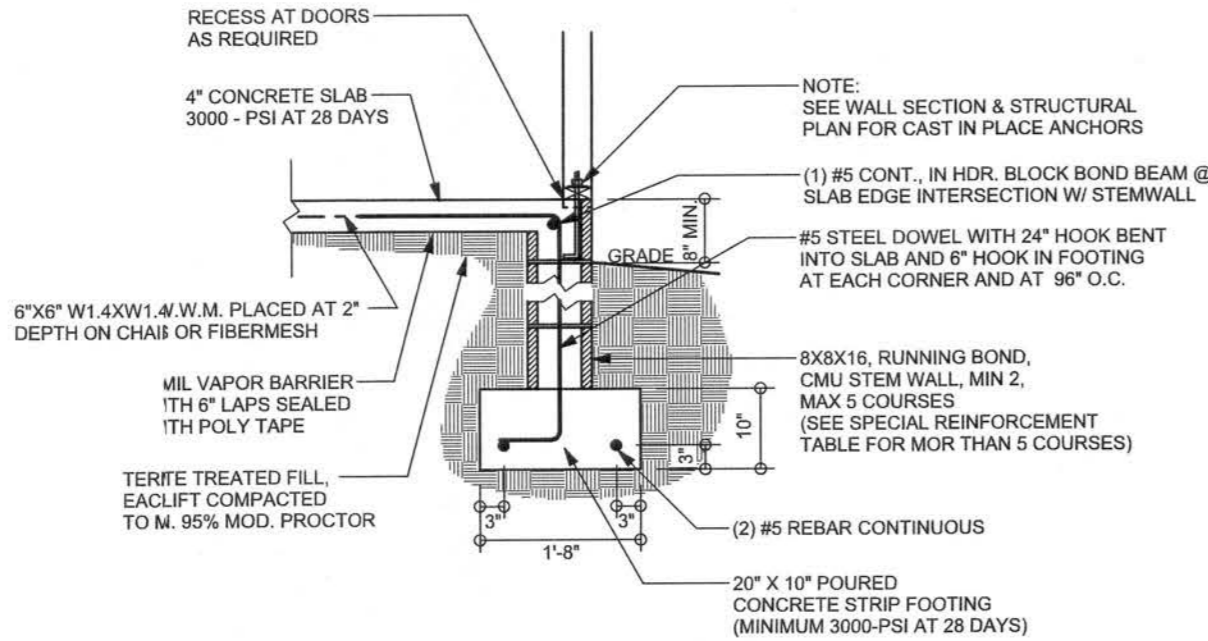
REVISIONS	



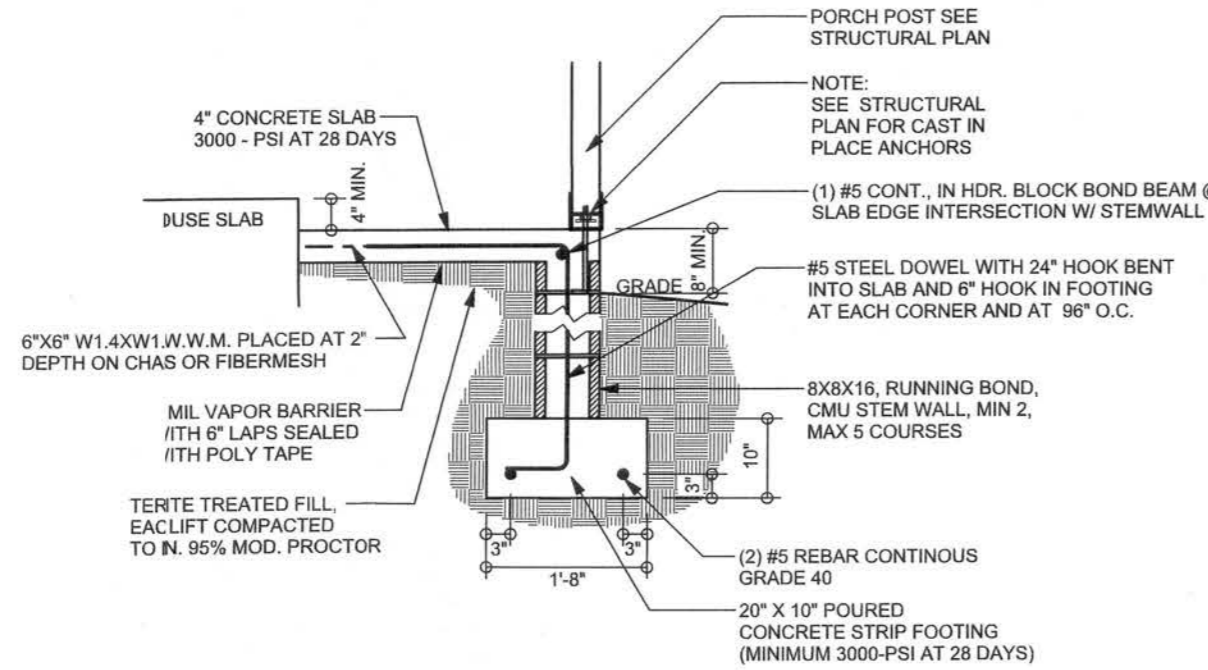
**F1  
S-2** MONOLITHIC FOOTING  
SCALE: 1/2" = 1'-0"



**F5  
S-2** PORCH FOOTING  
SCALE: 1/2" = 1'-0"



**F9  
S-2** STEM WALL FOOTING  
SCALE: 1/2" = 1'-0"



**F12  
S-2** STEM WALL PORCH FOOTING  
SCALE: 1/2" = 1'-0"

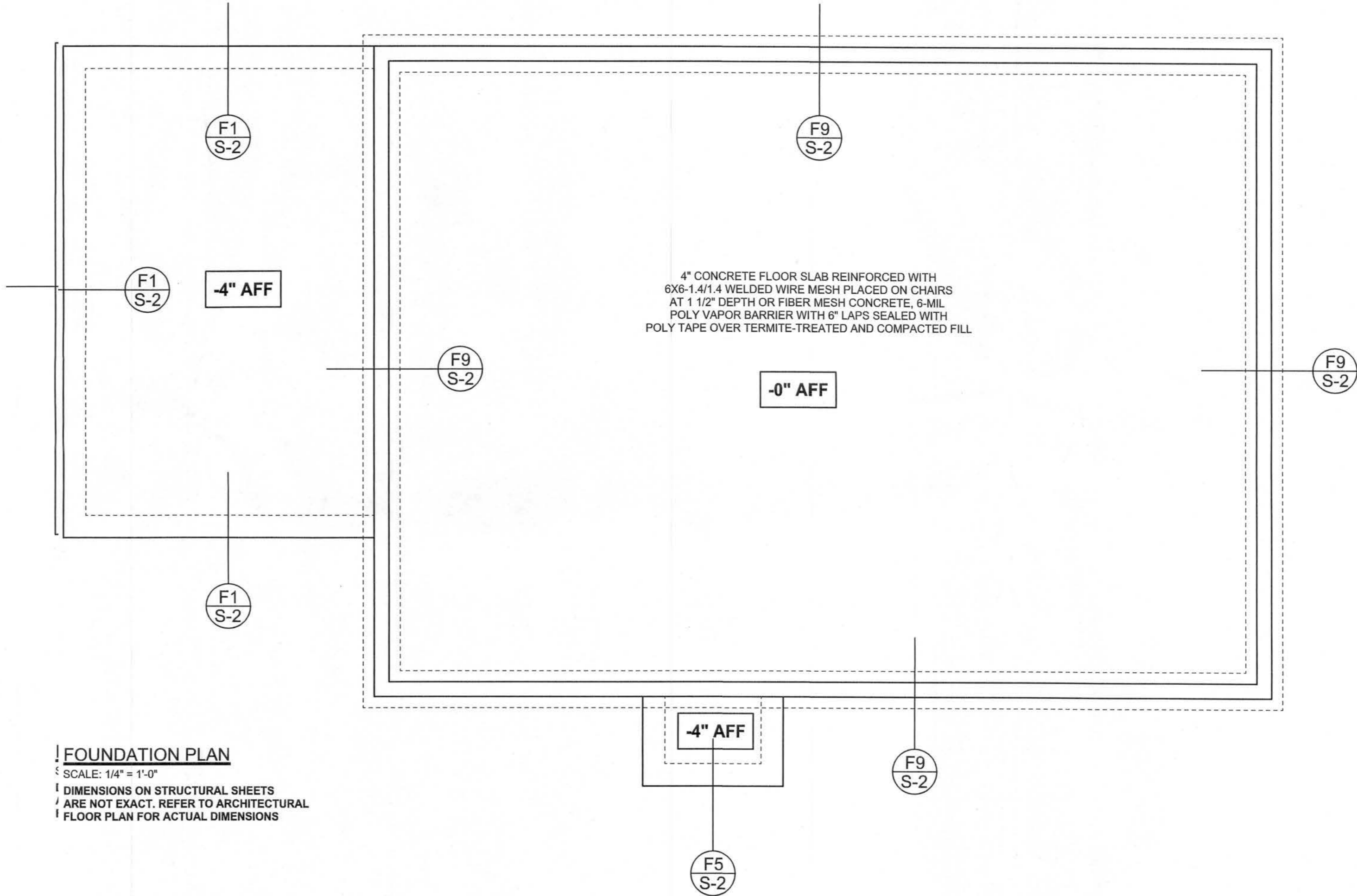
### TALL STEM WALL TABLE

The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Durowall ladder reinforcement at 16" O.C. vertically or a horizontal bond beam with #5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	80	96	80	96	96
6.7	6.3	32	56	80	56	96	96
7.3	7.0	24	40	56	40	80	96
8.0	7.7	16	32	48	32	64	80
8.7	8.3	8	24	32	24	48	64
9.3	9.0	8	16	24	16	40	48

### FOUNDATION PLAN

SCALE: 1/4" = 1'-0"  
DIMENSIONS ON STRUCTURAL SHEETS  
ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS



WINDLOAD ENGINEER: Mark Disosway,  
P.E. No. 53915, P.O. Box 868, Lake City, FL  
33666, 386-754-5419

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MARK DISOSWAY  
P.E. 53915

*Mark Disosway*  
13 JUN 07  
SEAL

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Lot 22  
Columbia Homesites S/D

ADDRESS:  
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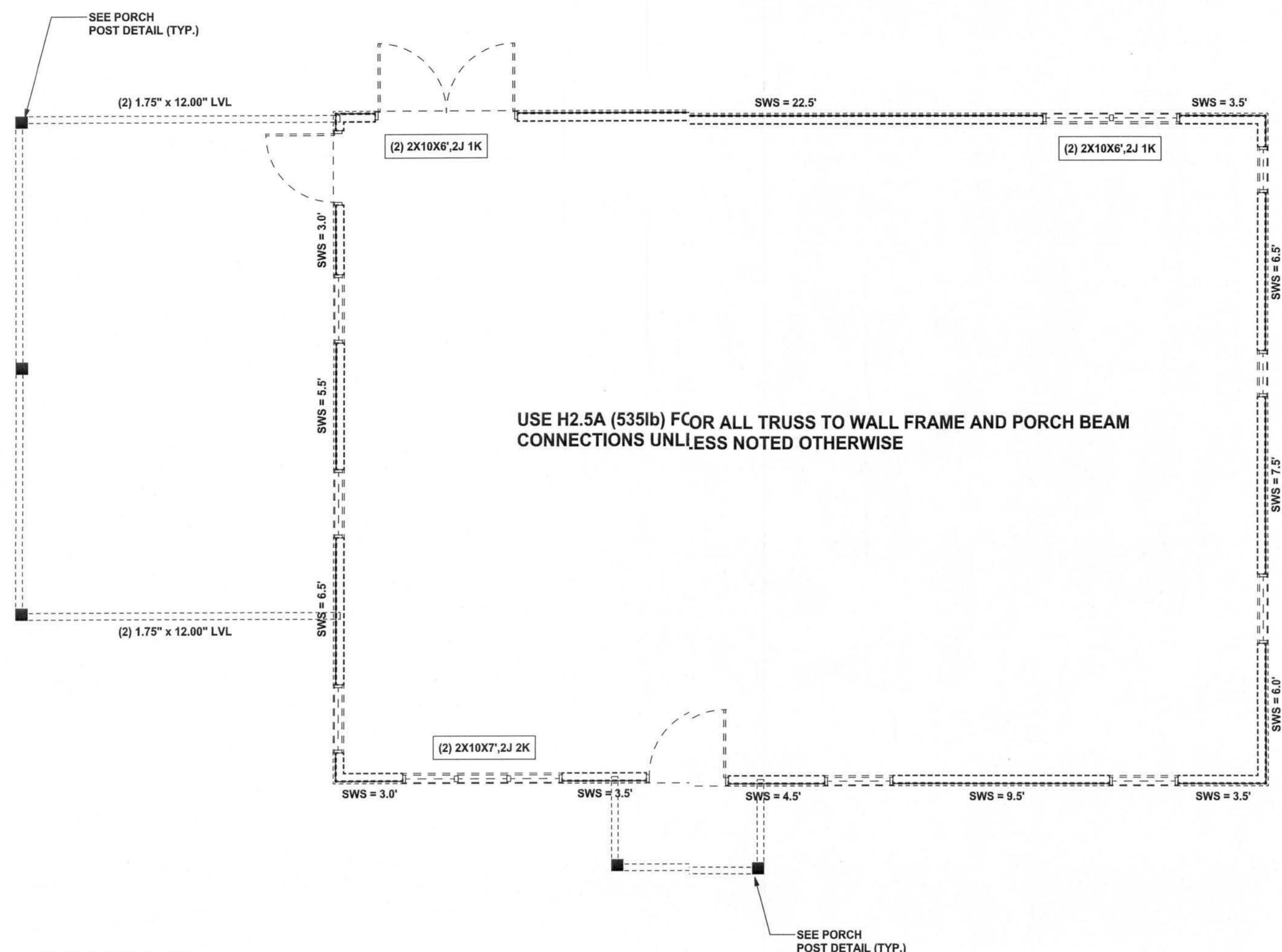
DRAWING NUMBER

**S-2**

OF 3 SHEETS

## REVISIONS


SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE



**STRUCTURAL PLAN**  
SCALE: 1/4" = 1'-0"

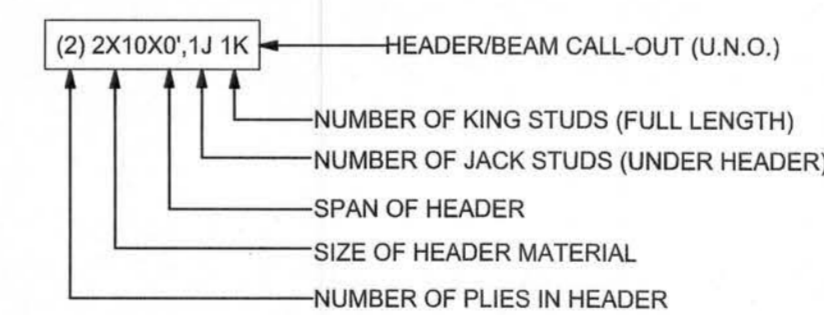
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## HEADER LEGEND



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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 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

*Mark Disoway*  
13 JUN 07  
SEAL

## Compass Builders

Spec House  
Lot 22  
Columbia Homesites S/D

ADDRESS:  
Lot 22 Columbia Homesites 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:  
June 13, 2007

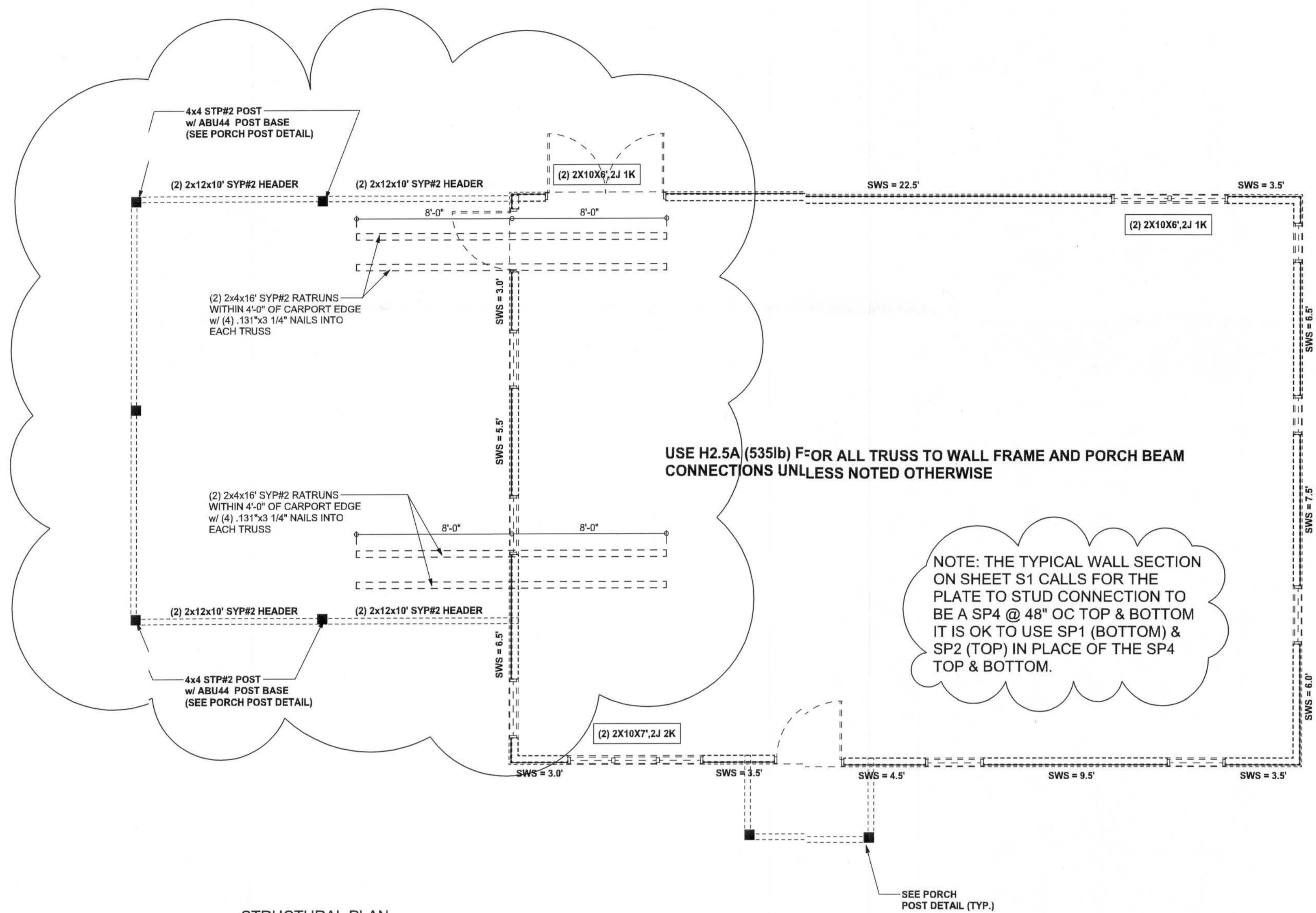
DRAWN BY: David Disoway  
CHECKED BY:

FINALS DATE:  
11 / Apr / 07

JOB NUMBER:  
704094

DRAWING NUMBER  
**S-3**  
OF 3 SHEETS

REVISIONS	



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

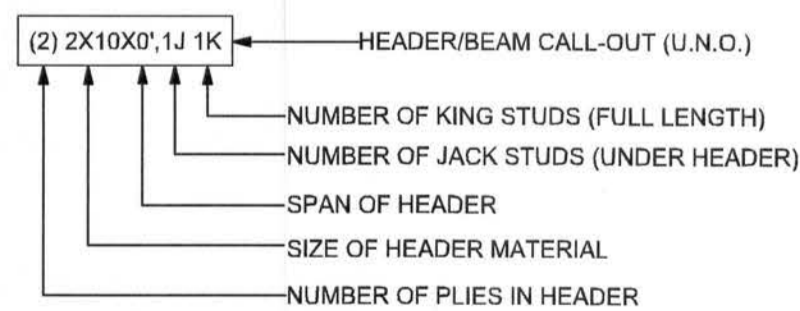
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HEADER LEGEND



TOTAL SHEAR WALL SEGMENTS

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	REQUIRED	ACTUAL
TRANSVERSE	31.0'	35.0'
LONGITUDINAL	28.5'	45.5'

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER, W. B. HOWLAND TRUSS JOB #4480

WINDLOAD ENGINEER: Mark Disosway,  
PE No. 53915, PCB 868, Lake City, FL  
32056, 386-754-5419

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 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 DISOSWAY  
P.E. 53915

SEAL

Compass Builders

Spec House  
Lot 22  
Columbia Homesites S/D

ADDRESS:  
Lot 22 Columbia Homesites S/D  
Columbia County, Florida

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

PRINTED DATE:  
August 30, 2007

DRAWN BY: David Disosway  
CHECKED BY:

FINALS DATE:  
11 / Apr / 07

JOB NUMBER:  
704094

DRAWING NUMBER

S-3

OF 3 SHEETS