

Lot 21

378.32'

130'-0"

313'-0"

septic tank

381'-0"

5.01 Acres, ±

Lot 21
Hills at Rose Creek

Well 63'

244'-0"

Drainage

181.63'

(46)

(47)

(48)

349.64'

50.00'

357.79'

S. 89° 09'

401.86'
N. 07° 45' 28" W.

519° 36' 29" W.
364.78'

188.27'

Office copy

REVISIONS	



REQUIRED ROOF VENTILATION:
AS PER FLORIDA BUILDING CODE 2309.7

RIDGE VENT
MIN. 50% TOTAL VENT AREA
LOCATED IN THE UPPER PORTION OF ATTIC (MIN. 3" ABOVE EAVE)
4530 S.F. / 300 x 50% = 7.55 S.F. RIDGE VENT AREA REQUIRED
68.60 FEET OF RIDGE VENT REQUIRED

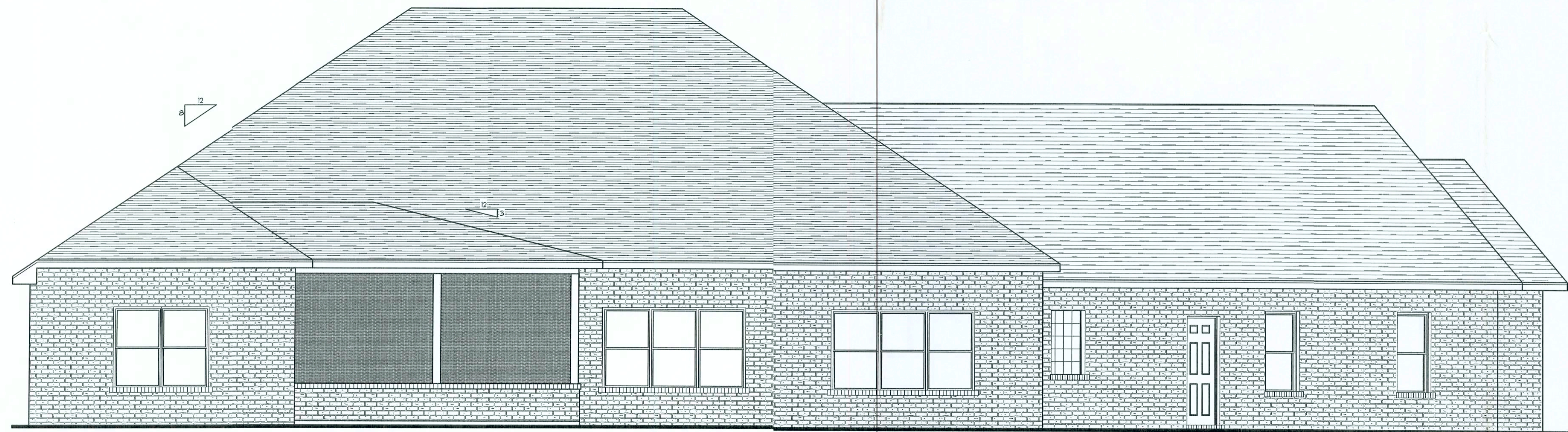
SOFFIT VENT
4530 S.F. / 300 x 50% = 7.55 S.F. SOFFIT VENT AREA REQUIRED
251.66 FEET OF SOFFIT VENT REQUIRED

BUILDER MUST VERIFY THE FOLLOWING MINIMUM NET FREE VENT AREAS:

1. RIDGE VENTS = 16 IN2/FT (.11 FT2/FT)
2. OFF-RIDGE VENTS = .70 FT2 PER 4' UNIT
3. SOFFIT VENTS = 4.3 IN2/FT (.03 FT2/FT)



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



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

WIN/LOAD ENGINEER: Mark Disosway,
PE N-53915, P.O. Box 868, Lake City, FL
32056, 386-754-5419

DIMENSIONS:
Shall 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
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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

Mark Disosway
21 FEB 06

SEAL

**Chris & Tammy
Bullard Residence**

ADDRESS:
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Columbia County, Florida

Mark Disosway P.E.
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PRINTED DATE:
February 21, 2006

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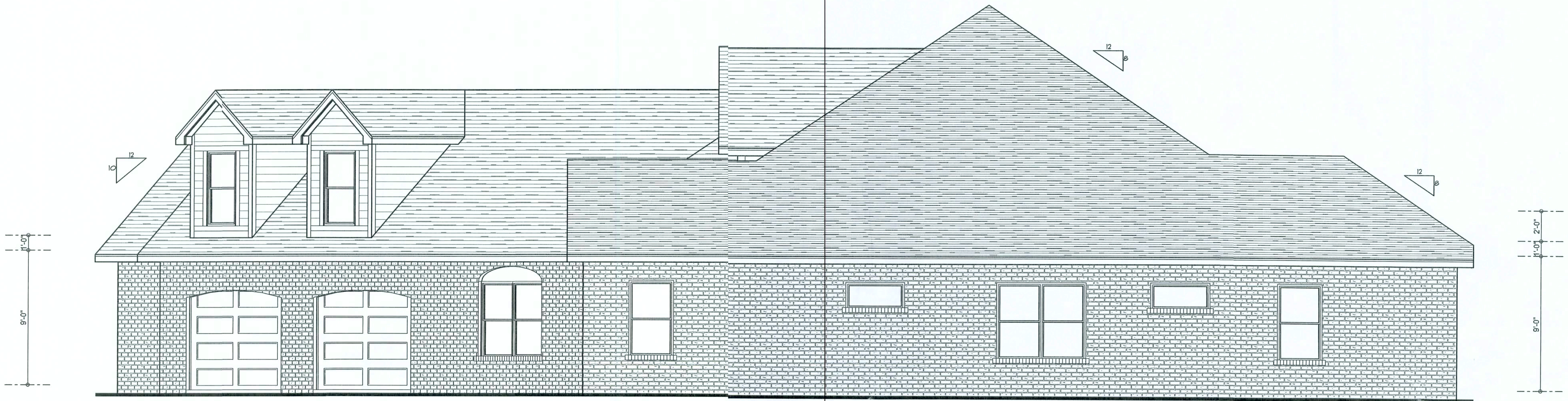
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**JOB NUMBER:
507194**

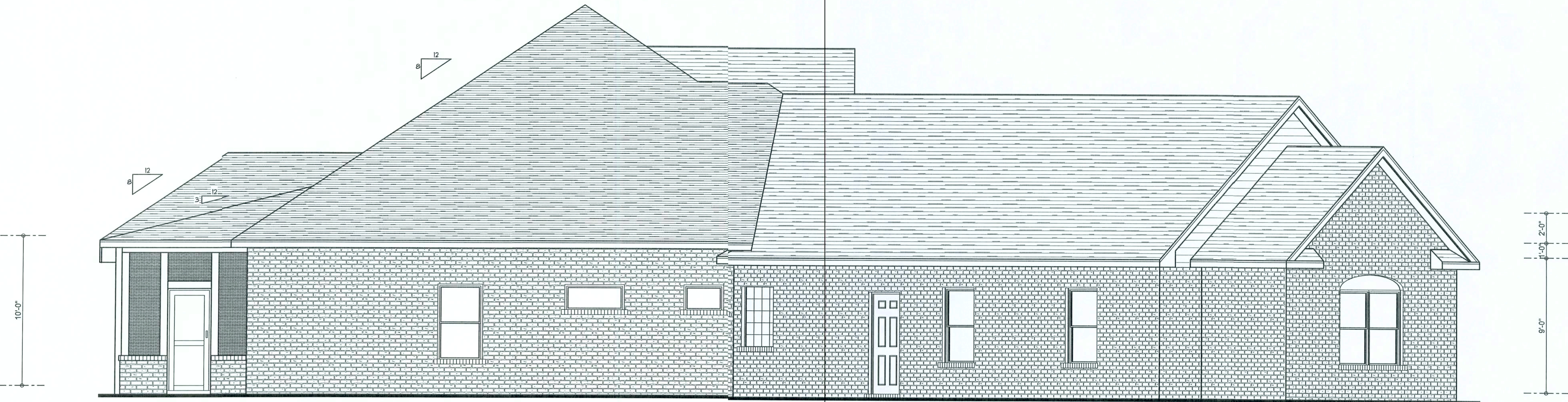
DRAWING NUMBER
A-1
OF 7 SHEETS

REVISIONS	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE



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



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

WINDLOAD ENGINEER: Mark Disosway,
P.E. No. 53915, POB 868, Lake City, FL
32056, 386-754-5419

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Mark Disosway
2/2/2006
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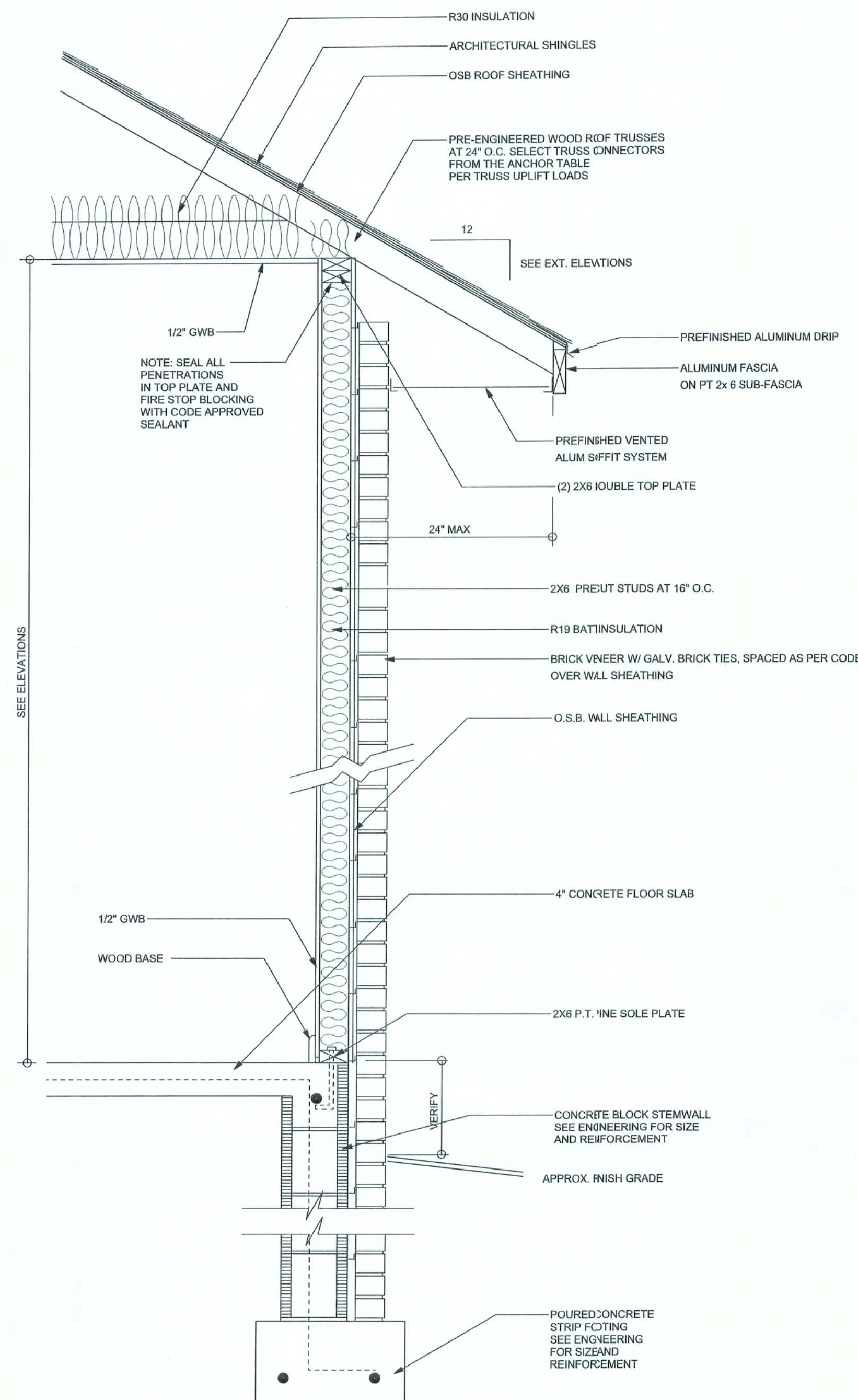
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A-2

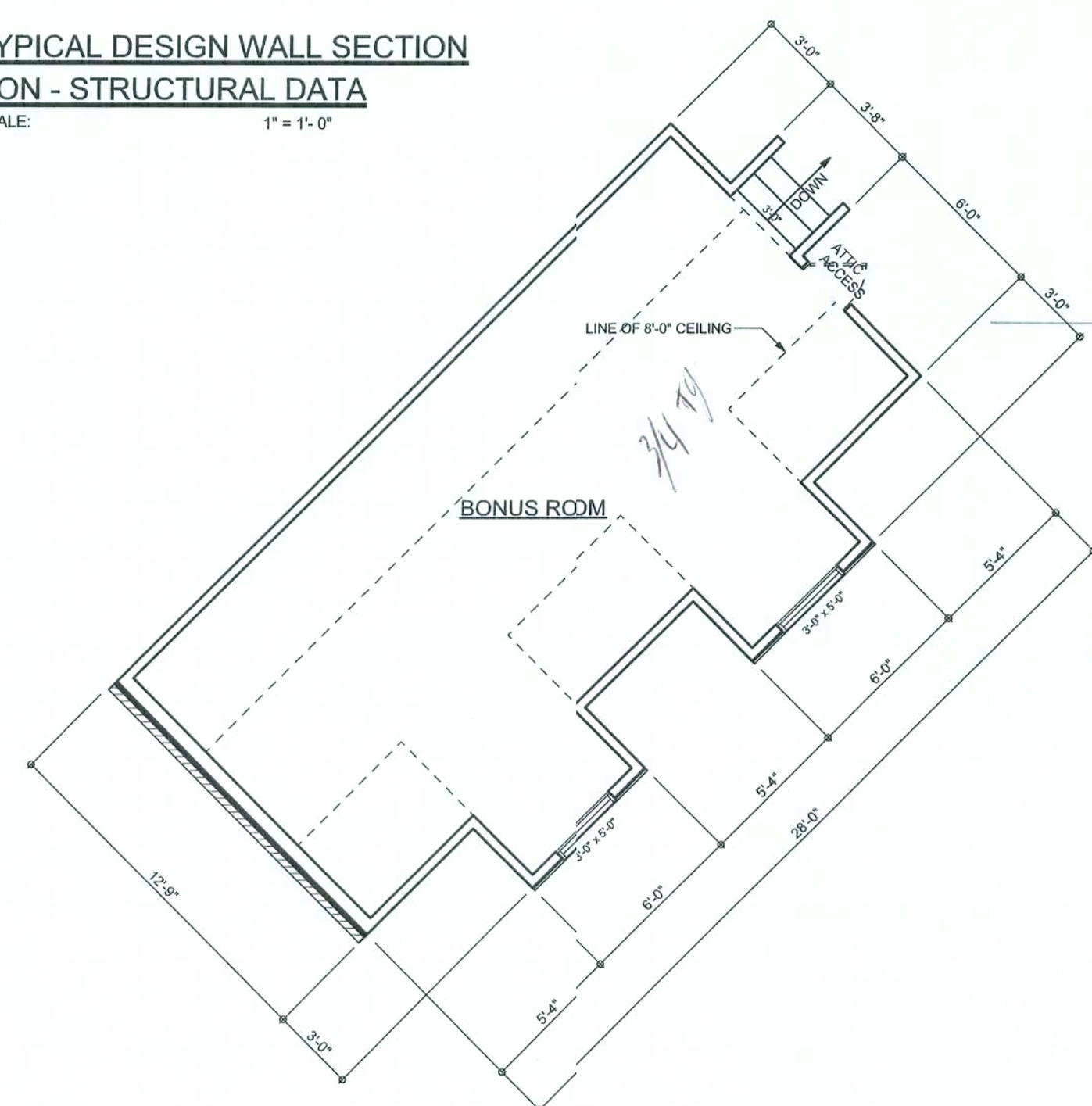
OF 7 SHEETS

REVISIONS	

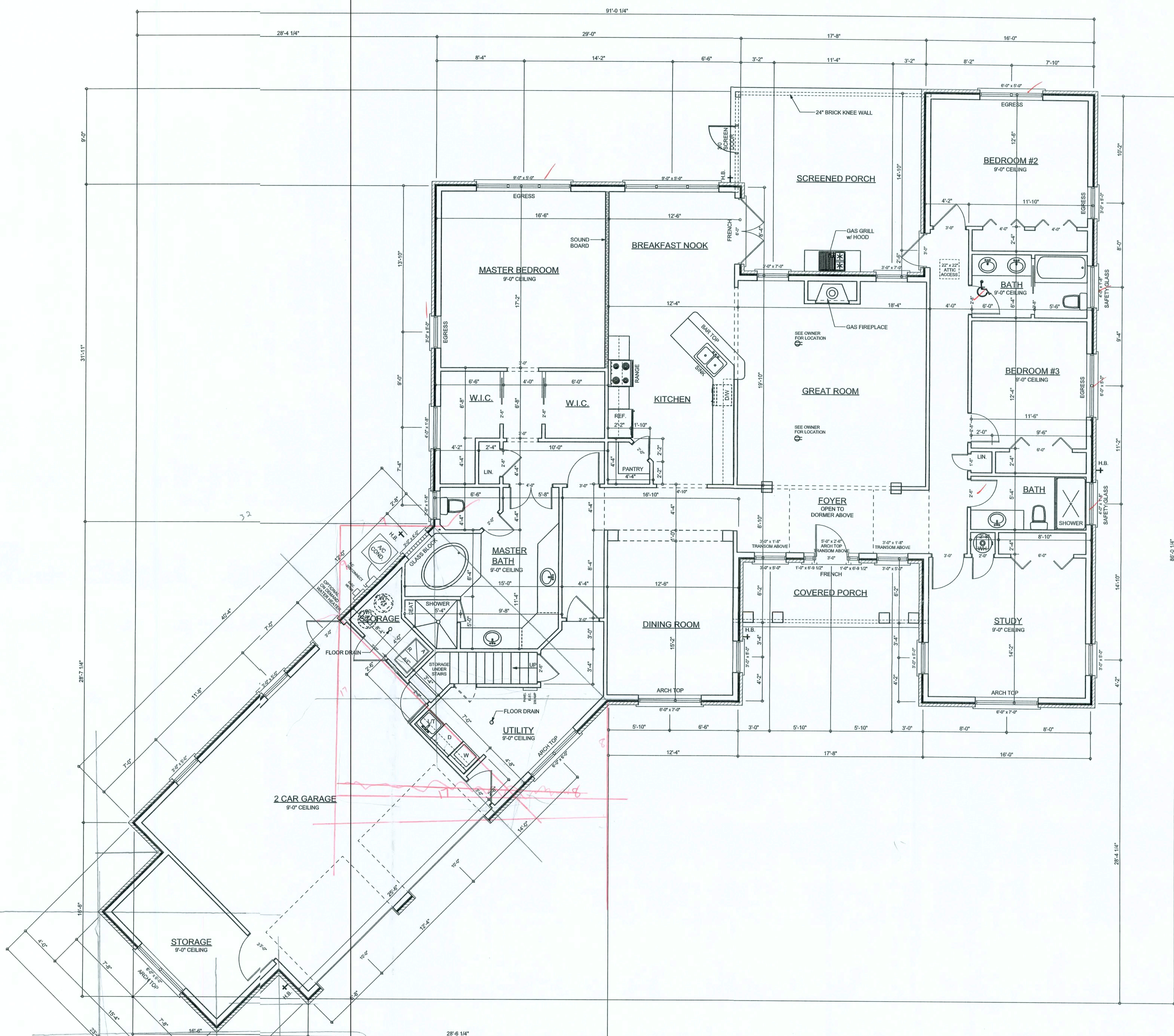
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TYPICAL DESIGN WALL SECTION
NON - STRUCTURAL DATA
SCALE: 1\"/>



FLOOR PLAN
SCALE: 3/16\"/>



AREA SUMMARY

LIVING AREA	2947	S. F.
BONUS ROOM AREA	382	S. F.
GARAGE AREA	620	S. F.
STORAGE AREA	161	S. F.
PORCH AREA	420	S. F.
TOTAL AREA	4530	S. F.

WINDLOAD ENGINEER: Mark Disoway,
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A-3
OF 7 SHEETS

REVISIONS

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

ELECTRICAL PLAN NOTES

- E-1 WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- E-2 CONSULT THE OWNER FOR THE NUMBER OF SEPARATE TELEPHONE LINES TO BE INSTALLED.
- E-3 ALL INSTALLATIONS SHALL BE PER NATL. ELECTRIC CODE.
- E-4 ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.
- E-5 TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC LATEST EDITION.
- E-6 ELECTRICAL CONTR' SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
- E-7 ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD) TO BE DETERMINED BY POWER COMPANY.
- E-8 ALL BEDROOM RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT)
- E-9 ALL OUTLETS TO BE LOCATED ABOVE BASE FLOOD ELEVATION.

ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	2X4 FLUORESCENT LIGHT FIXTURE
	RECESSED CAN LIGHT
	BATH EXHAUST FAN WITH LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220v OUTLET
	GFI DUPLEX OUTLET
	SMOKE DETECTOR
	WALL SWITCH
	3 WAY WALL SWITCH
	4 WAY WALL SWITCH
	WATER PROOF GFI OUTLET
	PHONE JACK
	TELEVISION JACK
	GARAGE DOOR OPENER
	WALL HEATER

Overcurrent protection device shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"

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32056, 386-754-5419

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

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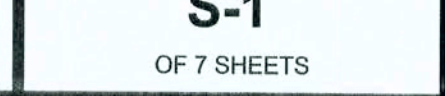
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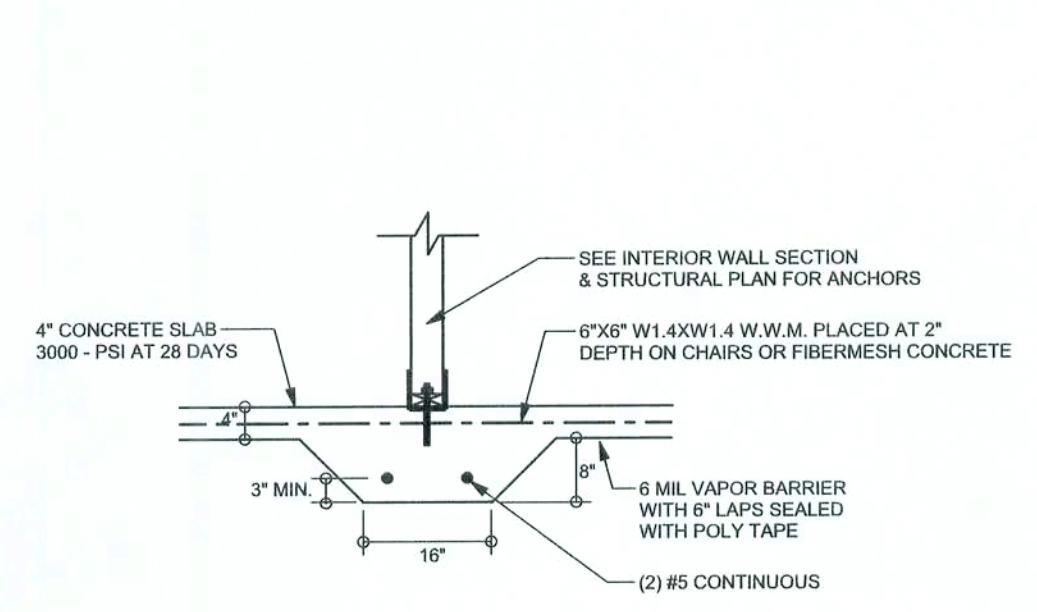
A-4

OF 7 SHEETS

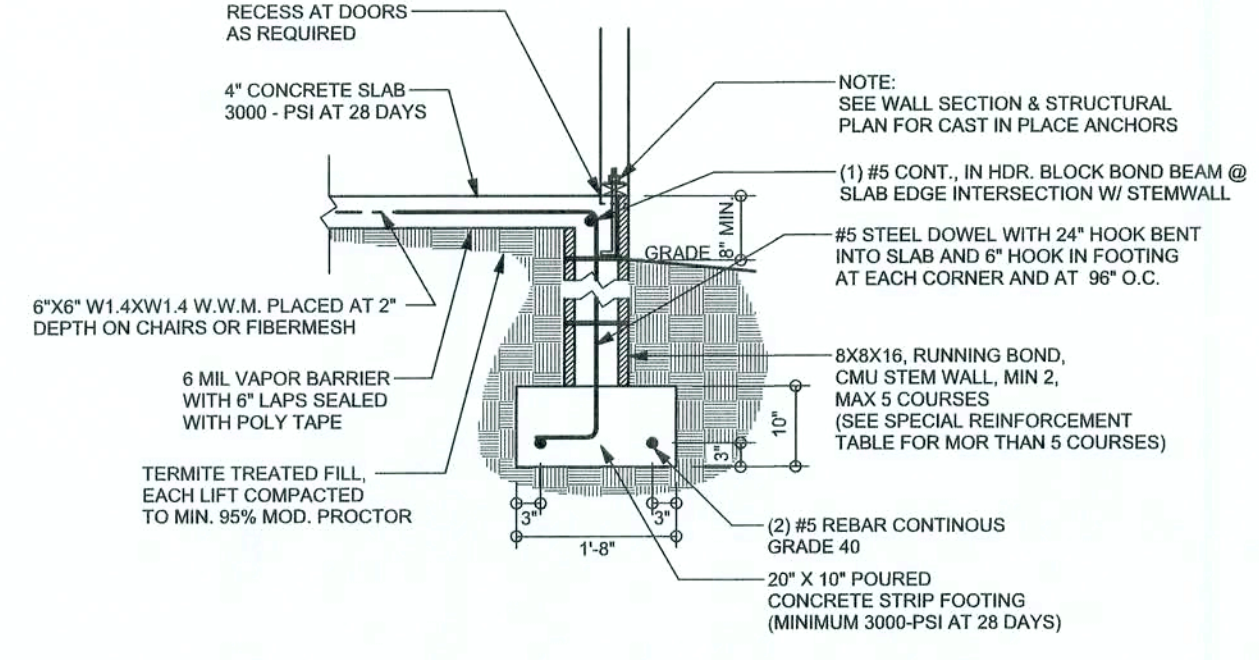


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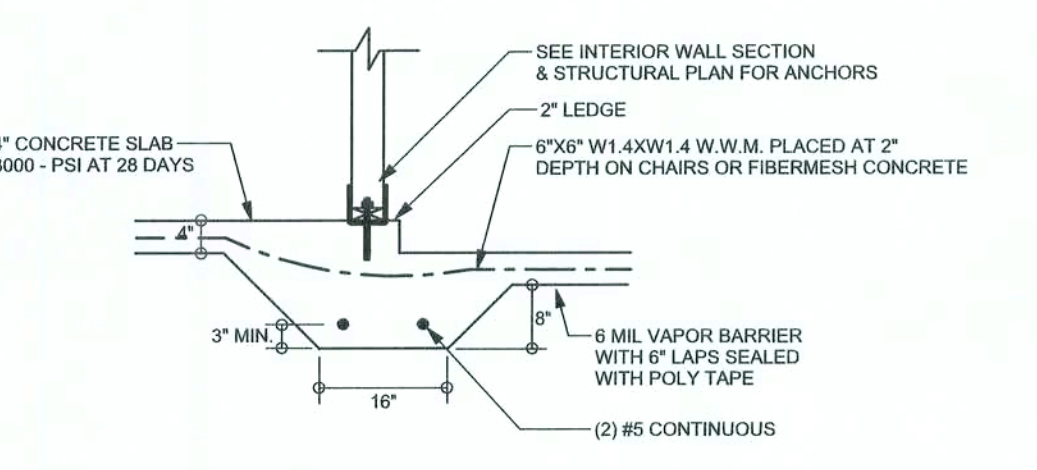
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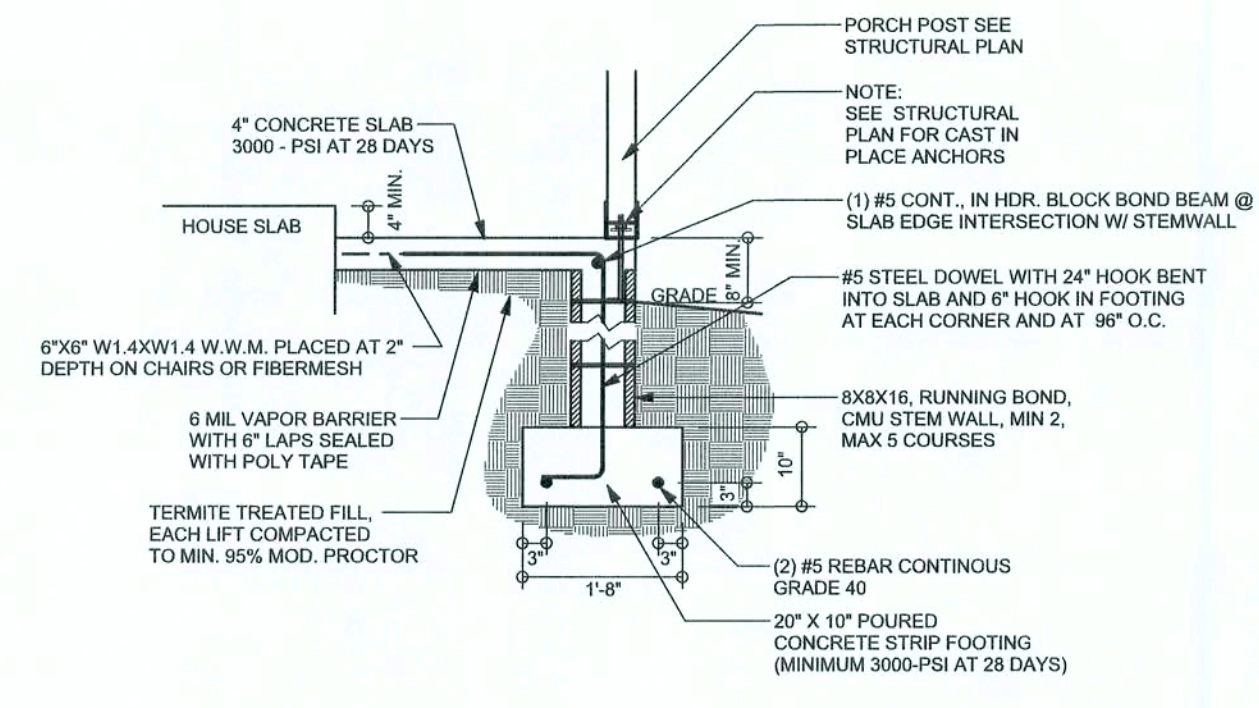
F2 INTERIOR BEARING FOOTING
SCALE: 1/2" = 1'-0"



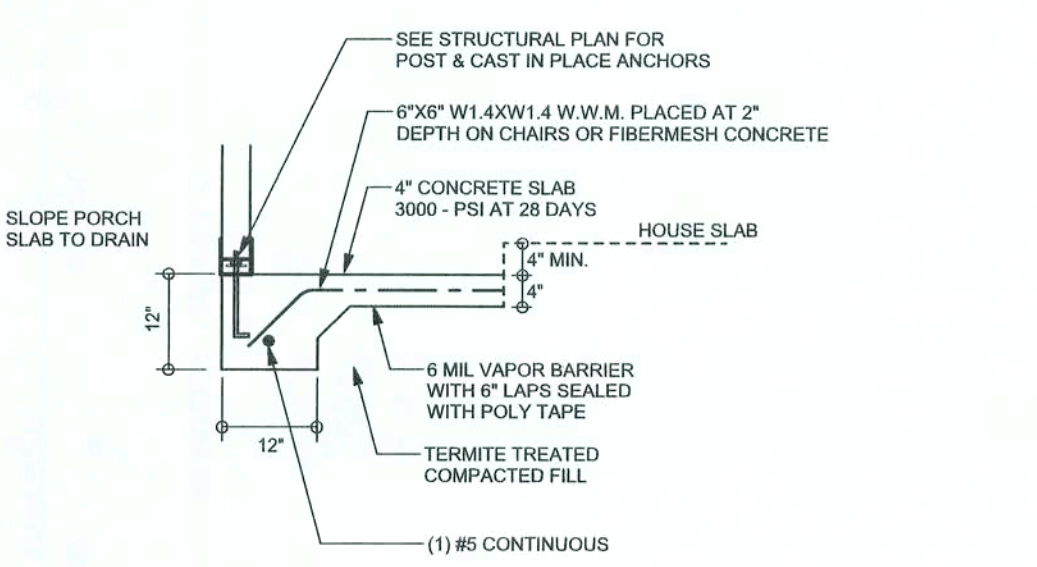
F9 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"



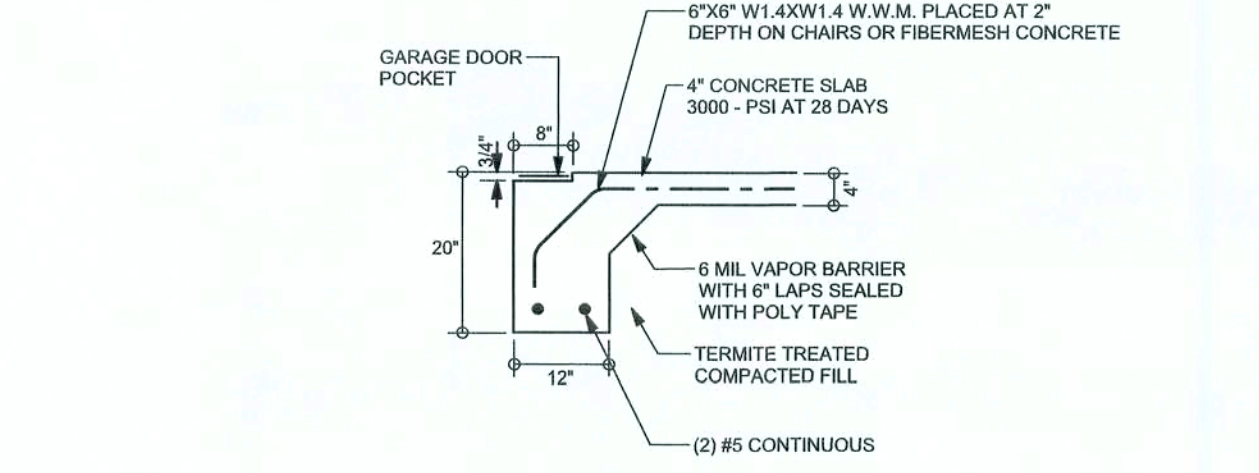
F3 INTERIOR BEARING STEP FOOTING WITH 2" LEDGE
SCALE: 1/2" = 1'-0"



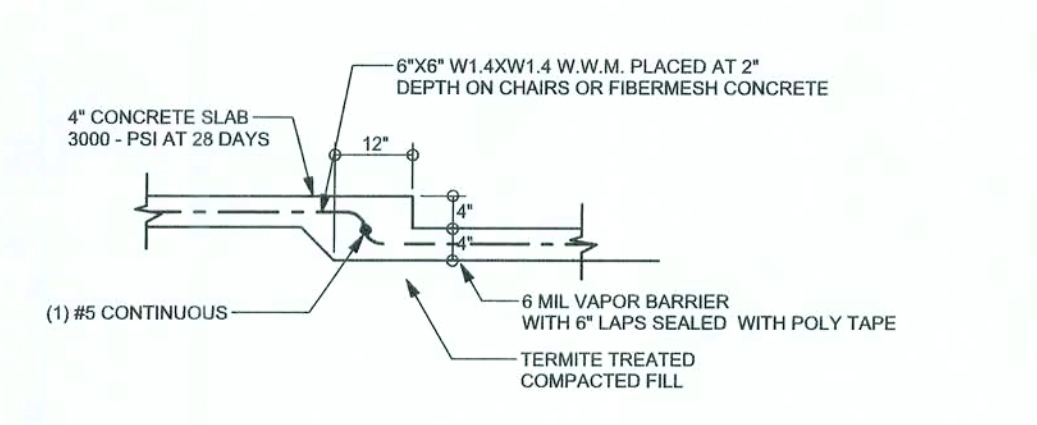
F12 ALT. STEM WALL PORCH FOOTING
SCALE: 1/2" = 1'-0"



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



F13 ALT. STEM WALL GARAGE DOOR FOOTING
SCALE: 1/2" = 1'-0"

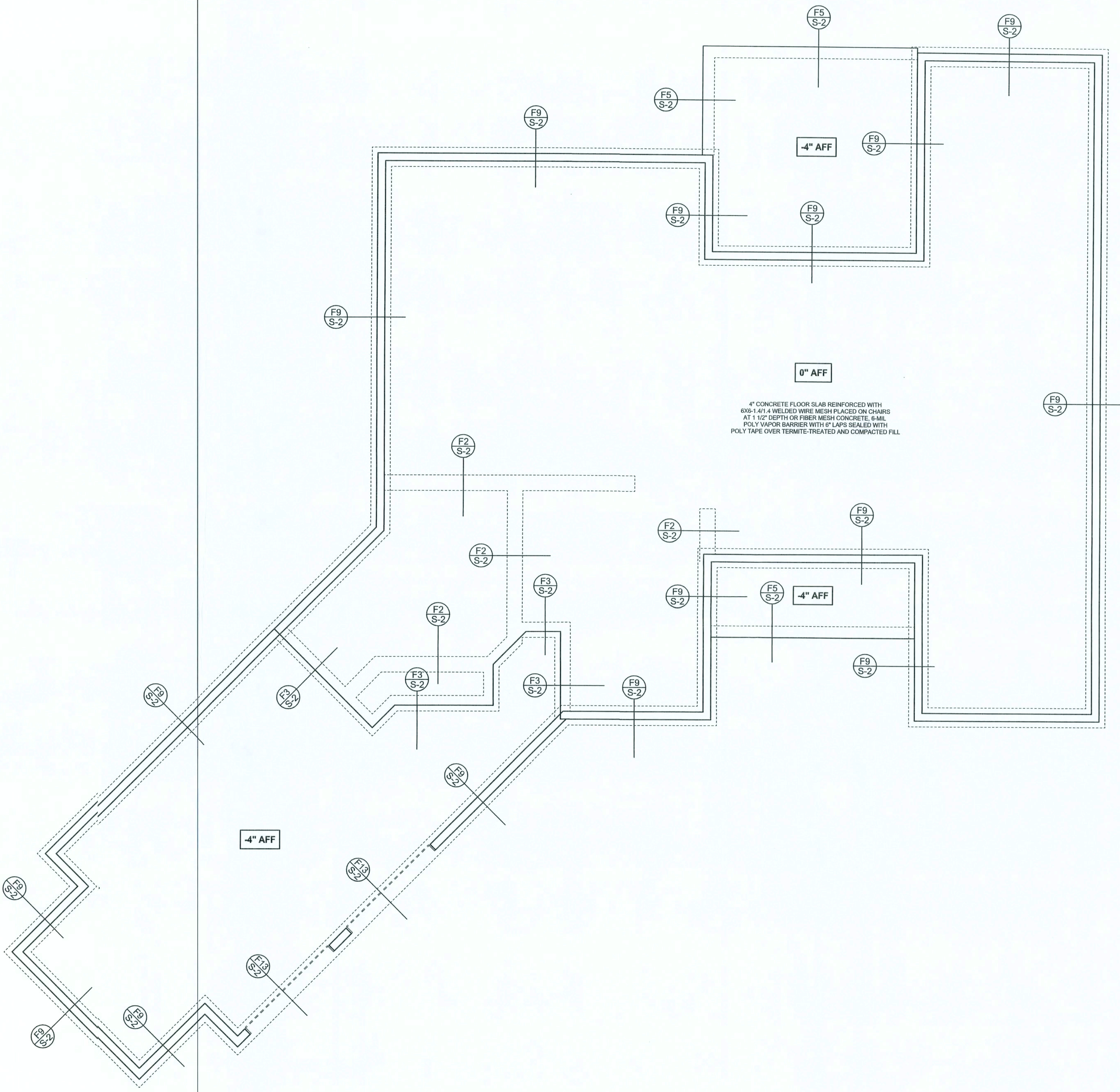


F6 TYPICAL NON-BEARING STEP FOOTING
SCALE: 1/2" = 1'-0"

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 Duowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 18G 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: 3/16" = 1'-0"
DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

WINDLOAD ENGINEER: Mark Disoway, P.E. No. 53915, F08 868, Lake City, FL 32056, 386-754-5419

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

MARK DISOWAY
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Mark Disoway
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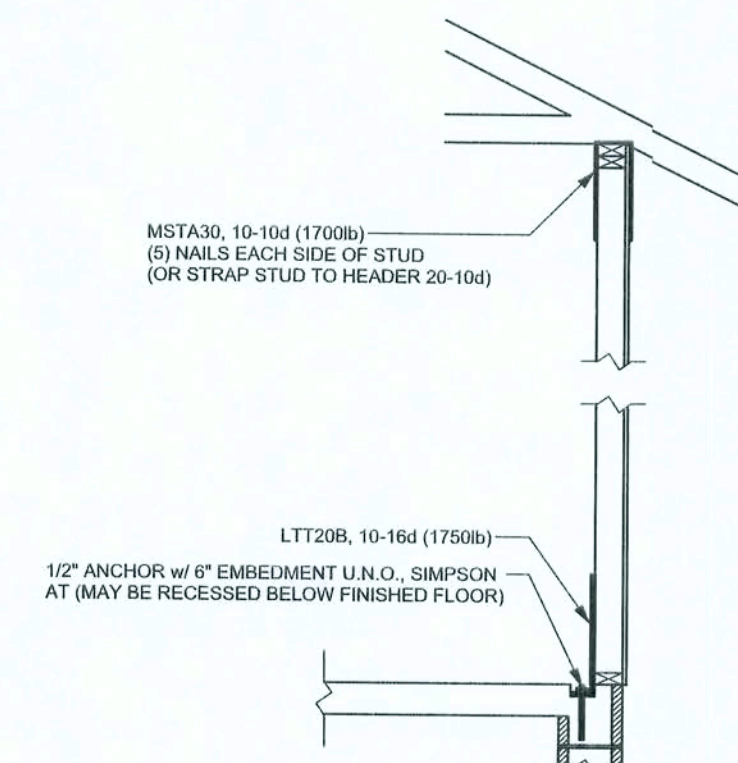
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DRAWING NUMBER
S-2
OF 7 SHEETS

REVISIONS

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ALTERNATE WALL TIE CONNECTION WHERE
THREADED ROD CANNOT BE PLACED IN WALL.
SCALE: 1/2" = 1'-0"

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X12 STUDS (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 BC614-03, BC614-01, BC614-02, & BC614-03. BC614-01, BC614-02, & BC614-03 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE.

WALL LEGEND

SW5 = 0.0'	1ST FLOOR EXTERIOR WALL
SW5 = 0.0'	2ND FLOOR EXTERIOR
IBW	1ST FLOOR INTERIOR BEARING WALLS (SEE DETAILS ON SHEET S-1)
IBW	2ND FLOOR INTERIOR BEARING WALLS (SEE DETAILS ON SHEET S-1)

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

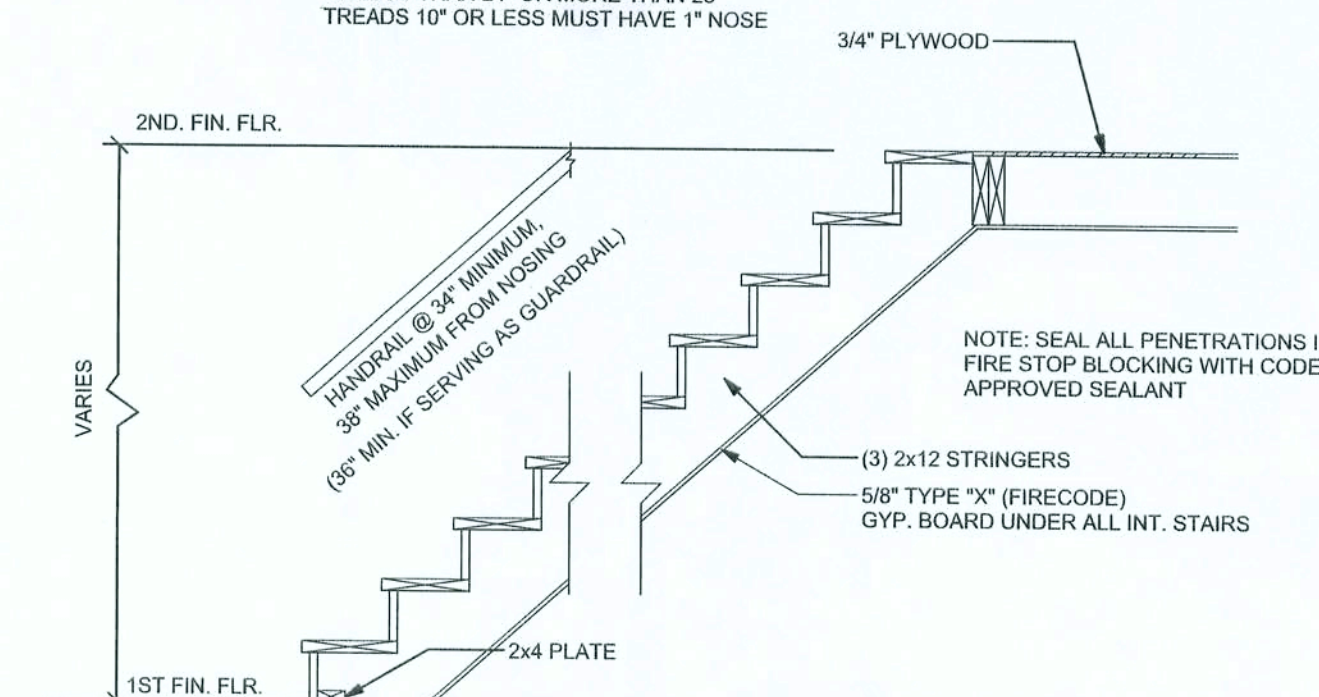
HEADER LEGEND

- (2) 2X12X7-1/16" - 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 PILES IN HEADER

TOTAL SHEAR WALL SEGMENTS

SW5 = 0.0' INDICATES SHEAR WALL SEGMENTS	REQUIRED	ACTUAL
TRANSVERSE	38.0'	68.0'
LONGITUDINAL	32.0'	94.0'

NOTE:
RISERS AT 7 3/4" MAX.
TREADS AT 9" MINIMUM
(2) RISERS + (1) TREAD SHALL NOT
BE LESS THAN 24" OR MORE THAN 25"
TREADS 10" OR LESS MUST HAVE 1" NOSE



1403
1403013 STAIR DETAIL
SCALE: NTS

CONNECTIONS, WALL, & HEADER DESIGN IS BASED
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING
FURNISHED BY BUILDER ANDERSON TRUSS
(A28 #6-04)

WINDLOAD ENGINEER: Mark Disosway
P.E. 53915, P.O.B. 868, Lake City, FL
32606, 386-754-5419

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S-3

OF 7 SHEETS

STRUCTURAL PLAN
SCALE: 3/16" = 1'-0"