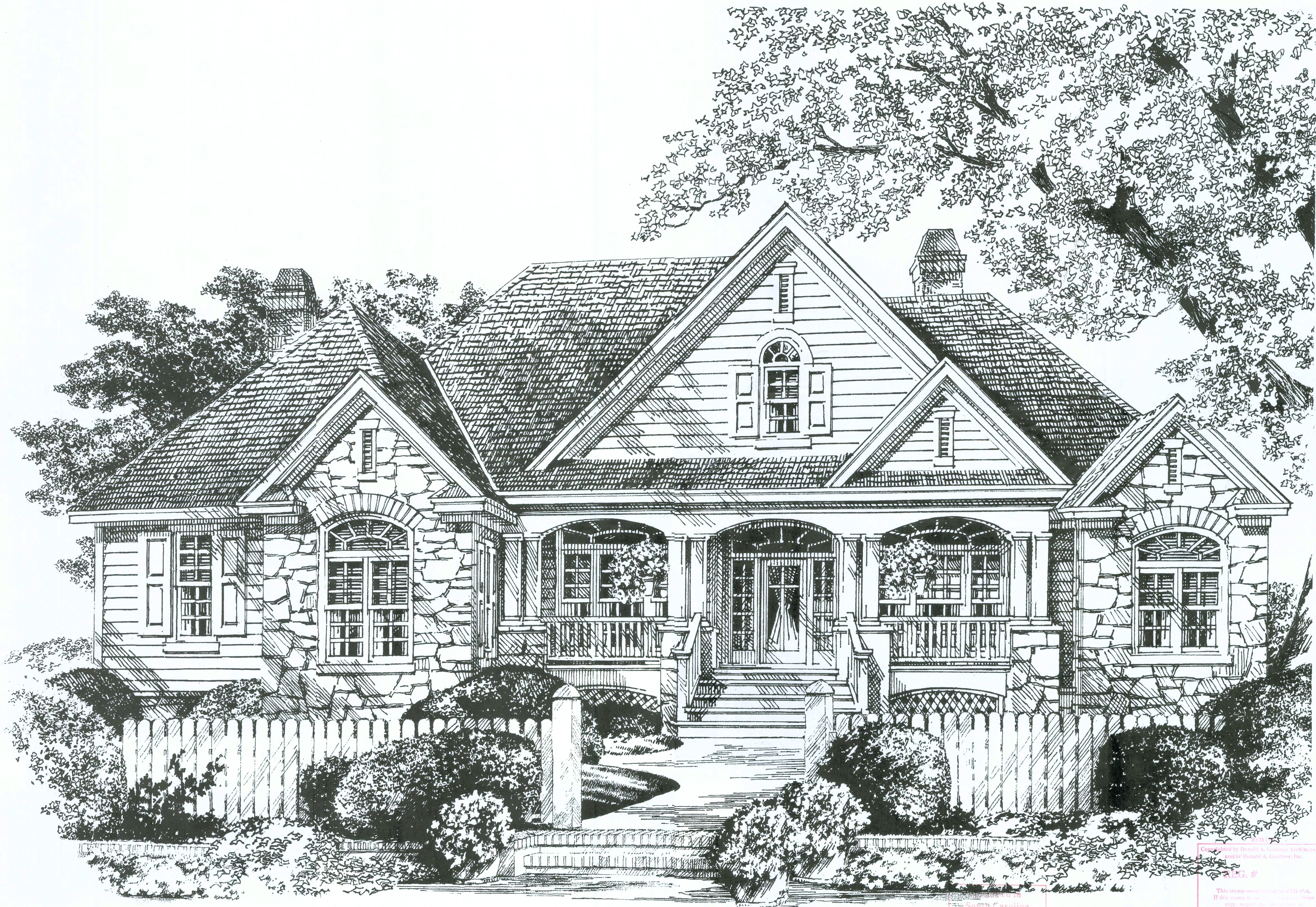


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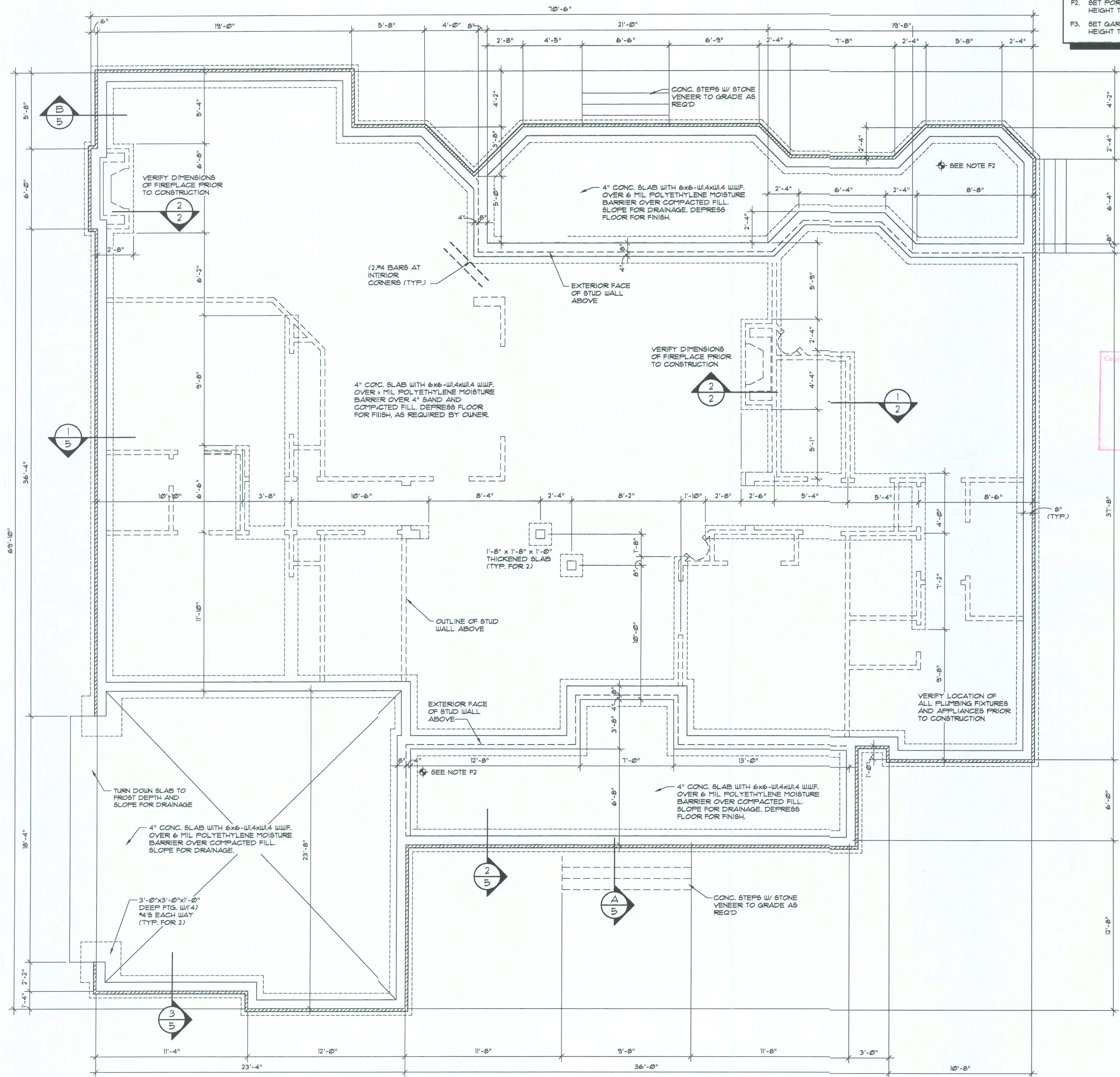
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SHEET OF 1
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Lot 18, Country Lakes @ Woodborough

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ETC. SHALL BE CONSIDERED AS PART
OF SPECIFICATIONS FOR THIS BUILDING
AND SHALL TAKE PRECEDENCE OVER
ANYTHING SHOWN, DESCRIBED, OR
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SLAB FOUNDATION NOTES

- F1. PROVIDE CONTROL JOINTS IN SLAB TO DIVIDE INTO AREAS OF 200 SQ. FT. OR LESS.
- F2. SET PORCH TOP OF SLAB BELOW HOUSE TOP OF SLAB. ACTUAL HEIGHT TO BE DETERMINED BY MASONRY COURSING.
- F3. SET GARAGE TOP OF SLAB BELOW HOUSE TOP OF SLAB. ACTUAL HEIGHT TO BE DETERMINED BY GRADE.

GENERAL NOTES

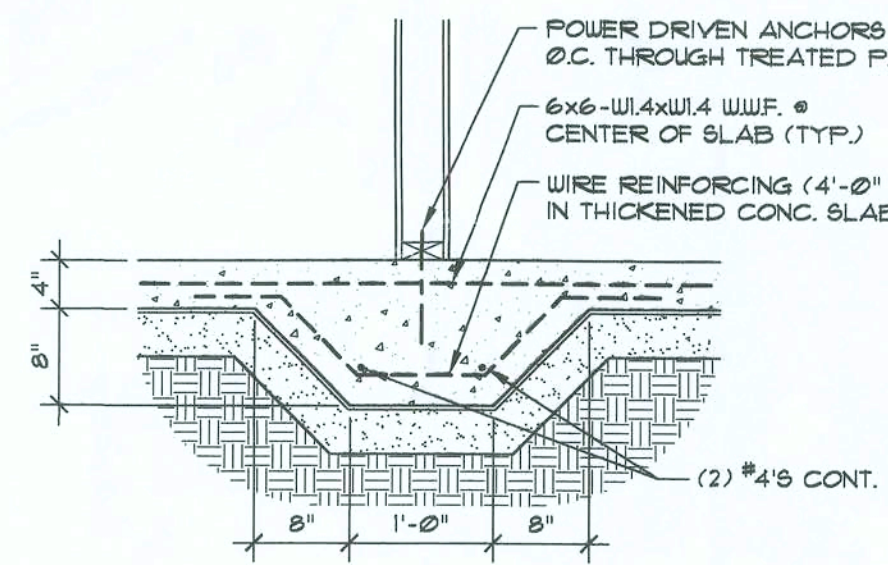
- A. GENERAL:**
- AT THE TIME OF CREATION, PLANS CONFORM TO "CABO ONE AND TWO FAMILY DWELLING CODE" OR THE "INTERNATIONAL RESIDENTIAL CODE" HOWEVER MODIFICATIONS MAY BE NECESSARY TO COMPLY WITH LOCAL AND STATE CODES.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
 - CONTRACTOR SHALL COMPLY WITH THE CONTENTS OF THE SPECIFICATIONS FOR THIS HOUSE.
 - ALL WOOD USED IN CONSTRUCTION OF DECKS AND STEPS SHALL BE TREATED. FASTENERS FOR TREATED WOOD (NAILS, BOLTS, HARDWARE, ETC.) SHALL BE GALVANIZED.
 - CONTRACTOR SHALL INSTALL GROUND FAULT INTERRUPT OUTLETS AS PER CODE.
 - INSTALL ROOFING MATERIALS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS FOR THE AREA AND CLIMATE, INCLUDING BUT NOT LIMITED TO SHINGLES, TILES, FELTS, FLASHING, AND FASTENING DEVICES.
 - HEARTH DIMENSIONS DETERMINED BY CODE.
 - INSTALL ALL EXTERIOR FINISH MATERIALS PER MANUFACTURER'S RECOMMENDATIONS (IE. CONTROL JOINTS, ATTACHMENT/ANCHORING DEVICES, FLASHING, SEALANTS, ETC.)
- B. FRAMING:**
- JOIST SPANS WERE DETERMINED ON THE BASIS OF THE ALLOWABLE STRESSES IN THE GRADING RULES OF THE SOUTHERN PINE INSPECTION BUREAU GRADE NUMBER TWO (2) KILN DRIED.
 - SHEATH ALL EXTERIOR WALLS WITH NOMINAL 1/2" STRUCTURAL GRADE 2 PLYWOOD OR NOMINAL 1/2" OSB (ORIENTED STRAND BOARD).
- C. VENTILATION:**
- PROVIDE CONTINUOUS RIDGE VENTS ON ALL ROOFS. LOCATE DOUBLE RIDGE BEAMS TO ALLOW FOR PROPER INSTALLATION OF RIDGE VENTS.
 - PROVIDE CONTINUOUS ROOF TO WALL VENTS AT ALL JUNCTURES OF SLOPED ROOFS AND VERTICAL WALLS.
- D. FOOTINGS:**
- CARRY ALL FOOTINGS TO FIRM UNDISTURBED BEARING:
A. 16" x 12" FOOTING FOR 8" OR 9" FOUNDATION WALL WITH (2) #4 REIN. RODS CONTINUOUS
B. 24" x 12" FOOTING FOR 12" FOUNDATION WALL WITH (2) #4 REIN. RODS CONTINUOUS.
- E. CHIMNEY CONSTRUCTION:**
- USE NOMINAL 1/2" STRUCTURAL GRADE 2 PLYWOOD OR NOMINAL 1/2" OSB (ORIENTED STRAND BOARD) SHEATHING.
 - SPLICE ONLY ONE CORNER STUD AT ANY SPLICE. STAGGER SPLICES AT LEAST 3'-0" AND USE (4) STUDS PER CORNER.
 - USE 10D NAILS @ 4" O.C. AROUND ALL PLYWOOD EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS.
 - PROVIDE BLOCKING BETWEEN STUDS AT 4'-0" INTERVALS.
 - CONTRACTOR TO VERIFY CHIMNEY FINISH MATERIAL WITH OWNER PRIOR TO CONSTRUCTION. IF BRICK MASONRY IS REQUIRED, CONTRACTOR TO MODIFY CONSTRUCTION OF FIREPLACE AND CHIMNEY AS REQUIRED.

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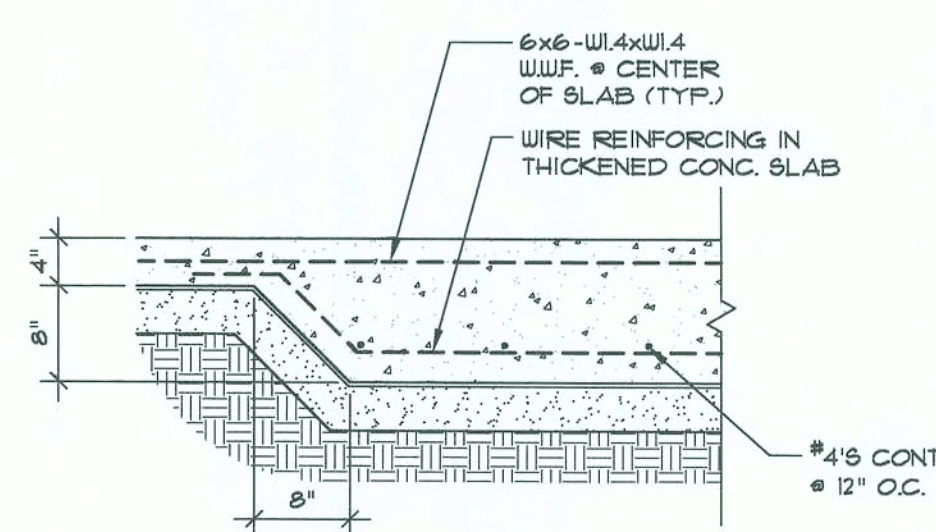
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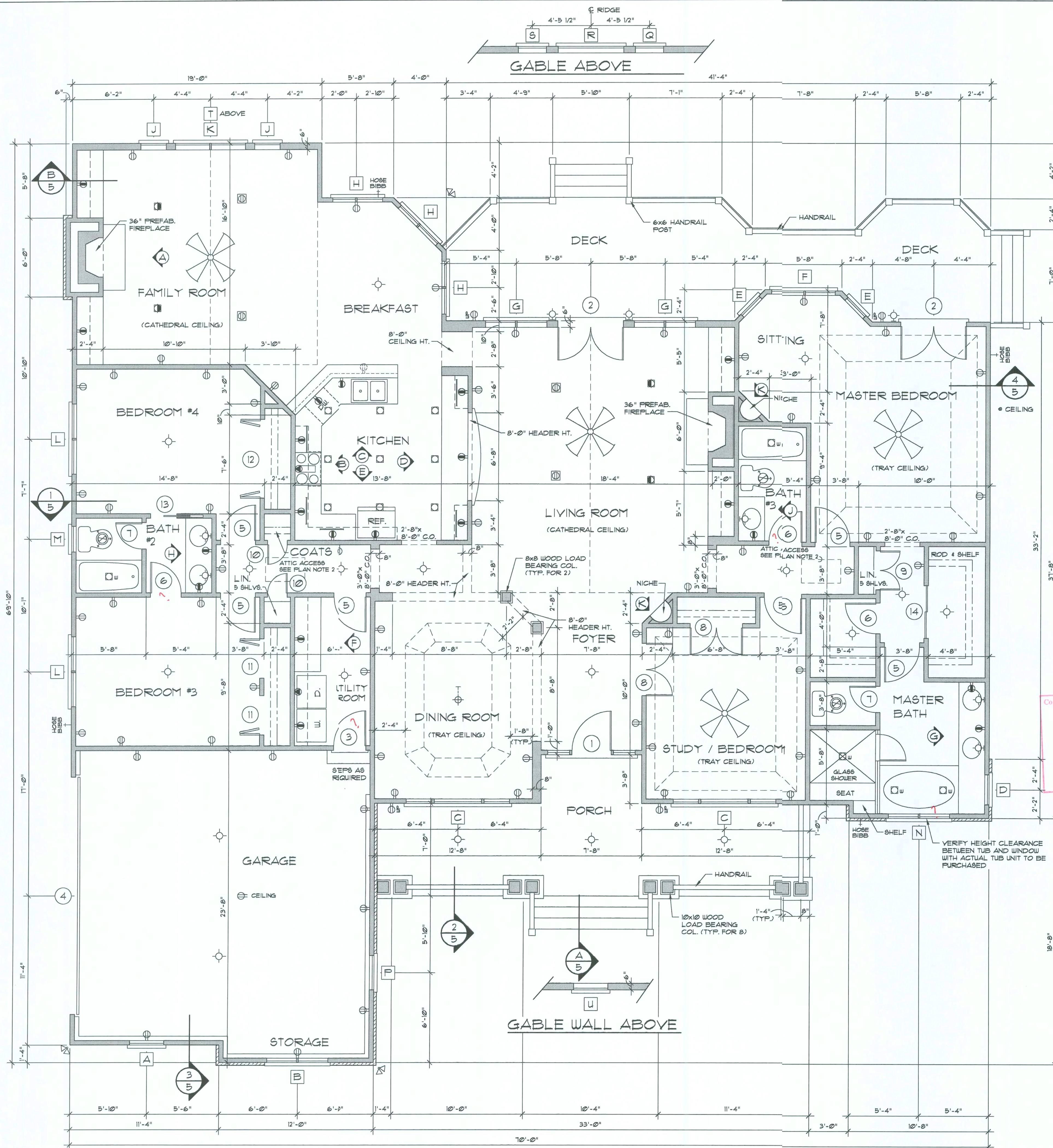
1 DETAIL AT THICKENED SLAB 3/4" = 1'-0"
(DETAIL TO BE USED @ INTERIOR LOAD BEARING WALL LOCATIONS)



2 DETAIL AT THICKENED SLAB 3/4" = 1'-0"
(DETAIL TO BE USED @ INTERIOR LOAD BEARING LOCATIONS)

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FLOOR PLAN
TOTAL LIVING 2818 sq. ft.
GARAGE + STORAGE 536 sq. ft.
1/4" = 1'-0"

DOOR SCHEDULE				SYMBOL
MARK	SIZE	QUAN.	DESCRIPTION	
1	3'-0" x 6'-8"	1	EXT. FULL GLASS W/ 28" SIDELITES 4 10" ARCH HEAD TRANSOM *	
2	(2) 2'-6" x 6'-8"	2	EXT. FULL GLASS W/ 12" TRANSOM	
3	2'-8" x 6'-8"	1	EXT. 1 HOUR FIRE-RATED	
4	10'-0" x 9'-0"	1	GARAGE	
5	2'-8" x 6'-8"	6	INT.	
6	2'-4" x 6'-8"	3	INT.	
7	2'-0" x 6'-8"	2	INT.	
8	(2) 2'-0" x 6'-8"	2	INT.	
9	(2) 1'-6" x 6'-8"	1	INT.	
10	1'-6" x 6'-8"	2	INT.	
11	3'-0" x 6'-8"	2	INT. BIFOLD	
12	(2) 3'-0" x 6'-8"	1	INT. BIFOLD	
13	2'-0" x 6'-8"	1	INT. POCKET DOOR	
14	(2) 2'-0" x 6'-8"	1	INT. SLIDING	

* SEE ELEVATION FOR TRANSOM.

WINDOW SCHEDULE				SYMBOL
MARK	SIZE	QUAN.	DESCRIPTION	
A	2'-4" x 6'-2"	1	D.H.	
B	(2) 2'-4" x 5'-2"	1	D.H. W/ 10" ARCH HEAD TRANSOM *	
C	2'-8" x 6'-2"	2	D.H. W/ 10" ARCH HEAD TRANSOM *	
D	2'-4" x 4'-2"	1	D.H.	
E	2'-0" x 5'-10"	2	D.H.	
F	(2) 2'-4" x 5'-10"	1	D.H.	
G	(2) 2'-4" x 6'-2"	2	D.H.	
H	(2) 2'-0" x 6'-2"	3	D.H.	
J	2'-0" x 6'-2"	2	D.H.	
K	(2) 2'-8" x 6'-2"	1	D.H.	
L	(2) 2'-8" x 5'-10"	2	D.H.	
M	2'-0" x 4'-6"	1	D.H.	
N	(2) 2'-4" x 4'-2"	1	D.H. W/ 10" ARCH HEAD TRANSOM *	
P	2'-8" x 6'-2"	1	D.H.	
Q	2'-2" x 1'-8"	1	FIXED, PARTIAL ARCH HEAD LEFT **	
R	5'-0" x 3'-0"	1	FIXED, ARCH HEAD **	
S	2'-2" x 1'-8"	1	FIXED, PARTIAL ARCH HEAD RIGHT **	
T	5'-4" x 1'-4"	1	FIXED, ARCH HEAD **	
U	2'-8" x 3'-10"	1	D.H. W/ HALF CIRCLE TRANSOM *	

ALL WINDOWS ARE INSULATED AND WEATHERSTRIPPED.
VERIFY LOCAL CODE EGRESS WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION.
WINDOW MANUFACTURER TO PROVIDE TEMPERED GLASS WHERE REQUIRED BY CODE.
STARTING CONSTRUCTION.
VERIFY WINDOW MODEL NUMBERS AND SIZES WITH MANUFACTURER BEFORE
SEE ELEVATION FOR TRANSOM.
** SEE ELEVATION FOR RADIUS.

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ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	DUPLEX OUTLET (GROUNDED TYPE)
	WEATHER PROOF DUPLEX OUTLET
	FLUSH FLOOR DUPLEX OUTLET, OWNER VERIFY LOCATION
	220 VOLT OUTLET OR CONNECTION
	CEILING MOUNTED LIGHT FIXTURE
	WALL BRACKET MOUNTED LIGHT FIXTURE
	SUSPENDED CEILING MOUNTED LIGHT FIXTURE
	RECESSED DIRECTIONAL CEILING LIGHT FIXTURE
	RECESSED CEILING LIGHT FIXTURE
	RECESSED LIGHT FOR WET AREA
	UNDER CABINET FLUORESCENT LIGHT
	EXTERIOR CAST ALUMINUM FLOOD LIGHTS
	CEILING MOUNTED PADDLE FAN w/ LIGHT
	CEILING MOUNTED FAN - EXHAUST
	CEILING MOUNTED FAN AND HEATER
	CEILING MOUNTED FAN, LIGHT, AND HEATER

PLAN NOTES:

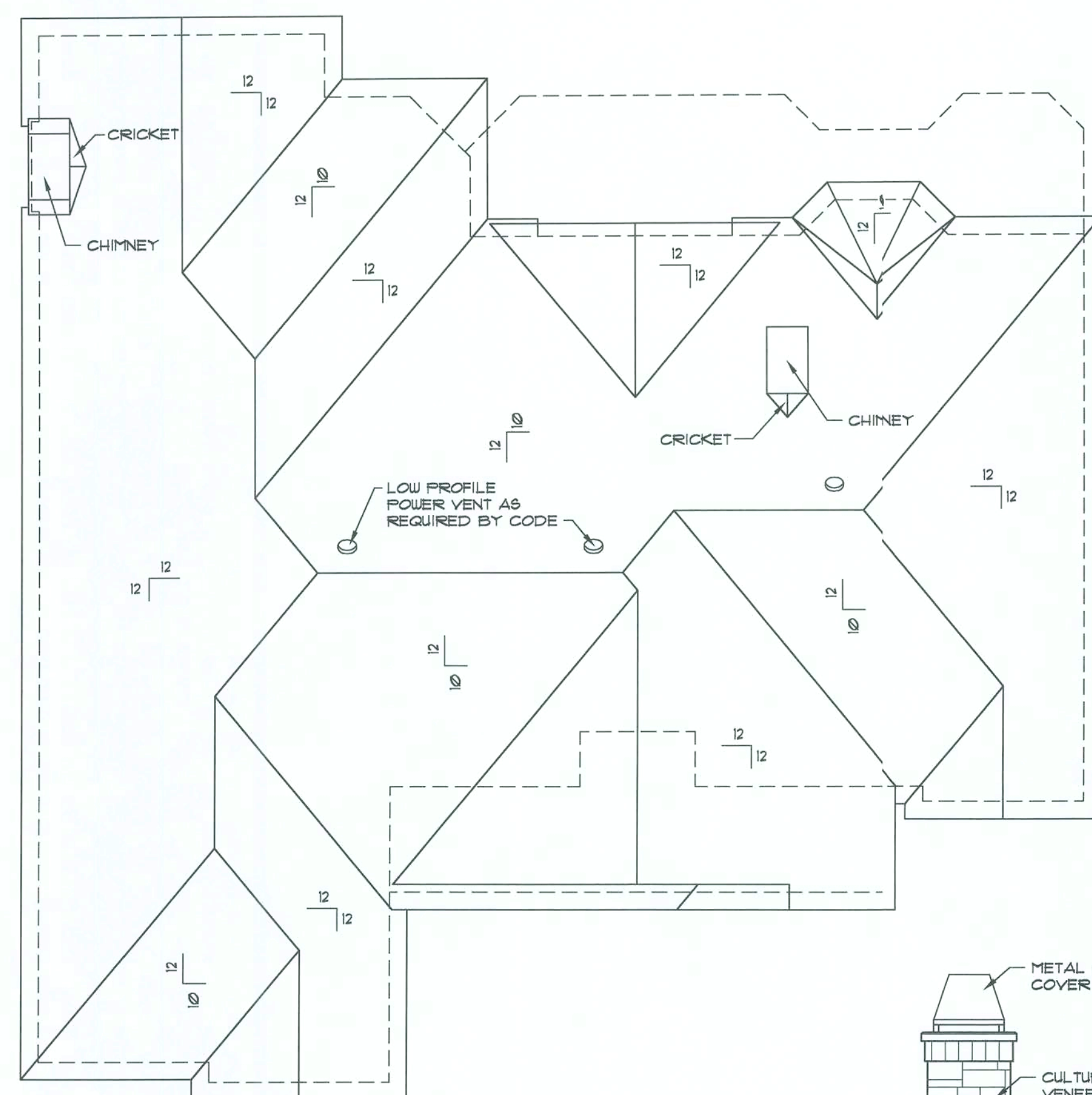
- VERIFY ALL LOCAL CODES, ENERGY TYPES, AND SITE CONDITIONS PRIOR TO CONSTRUCTION.
- REVIEW SELECTED MECHANICAL SYSTEMS WITH OWNER PRIOR TO CONSTRUCTION.
REVIEW SUB-CONTRACTORS LOCATIONS OF THE WATER HEATER AND HVAC UNIT(S) WITH THE OWNER PRIOR TO CONSTRUCTION. VERIFY LOCAL BUILDING CODE REQUIREMENTS AND MANUFACTURER REQUIREMENTS FOR ATTIC OR GARAGE LOCATIONS.
HVAC EQUIPMENT IN THE ATTIC SPACE SHALL BE ACCESSIBLE BY AN OPENING LARGER THAN THE LARGEST PIECE OF EQUIPMENT (TO ALLOW REMOVAL OF THE EQUIPMENT) AND IN NO CASE LESS THAN 22"x36".
- SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- INSULATE AROUND ALL BATHS AND UTILITY ROOM.
- TYPICAL WALL, 2x4 @ 16" O.C., UNLESS OTHERWISE DIMENSIONED.
- PROVIDE SMOKE DETECTORS AS REQUIRED BY CODE.
- PROVIDE DOORBELLS, TRANSFORMER, AND CHIME.

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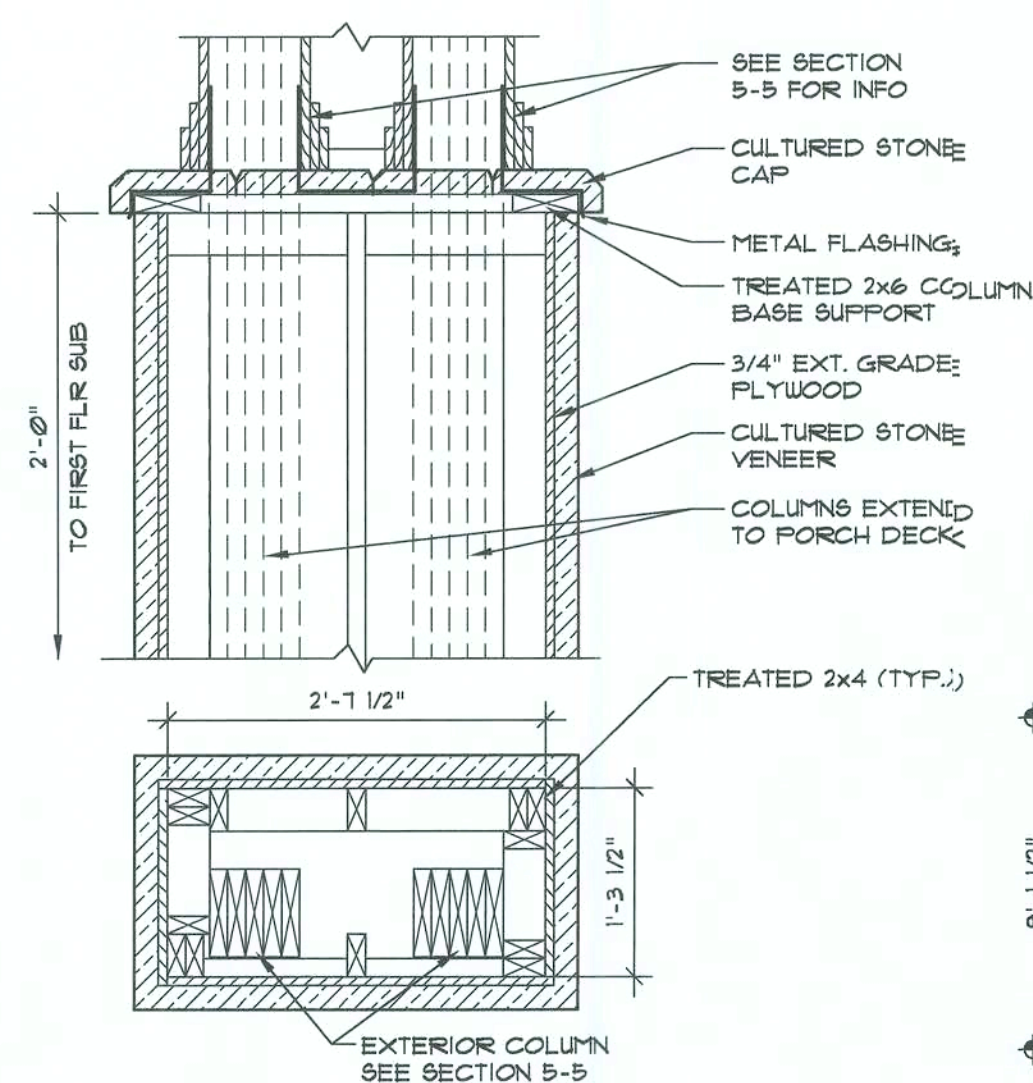
DESIGN NO. 1009-B
SHEET 3 OF 3
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FLOOR PLAN
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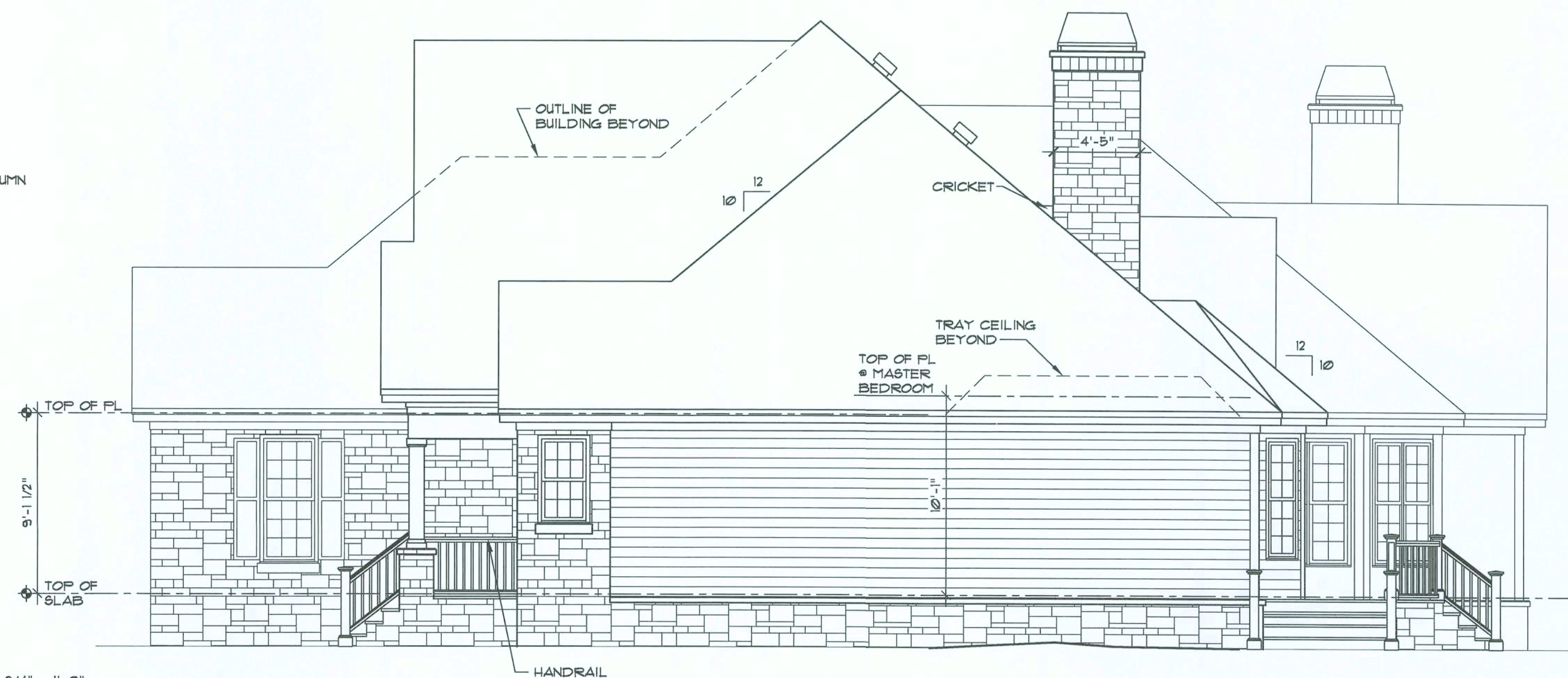
ROOF PLAN 1/8" = 1'-0"



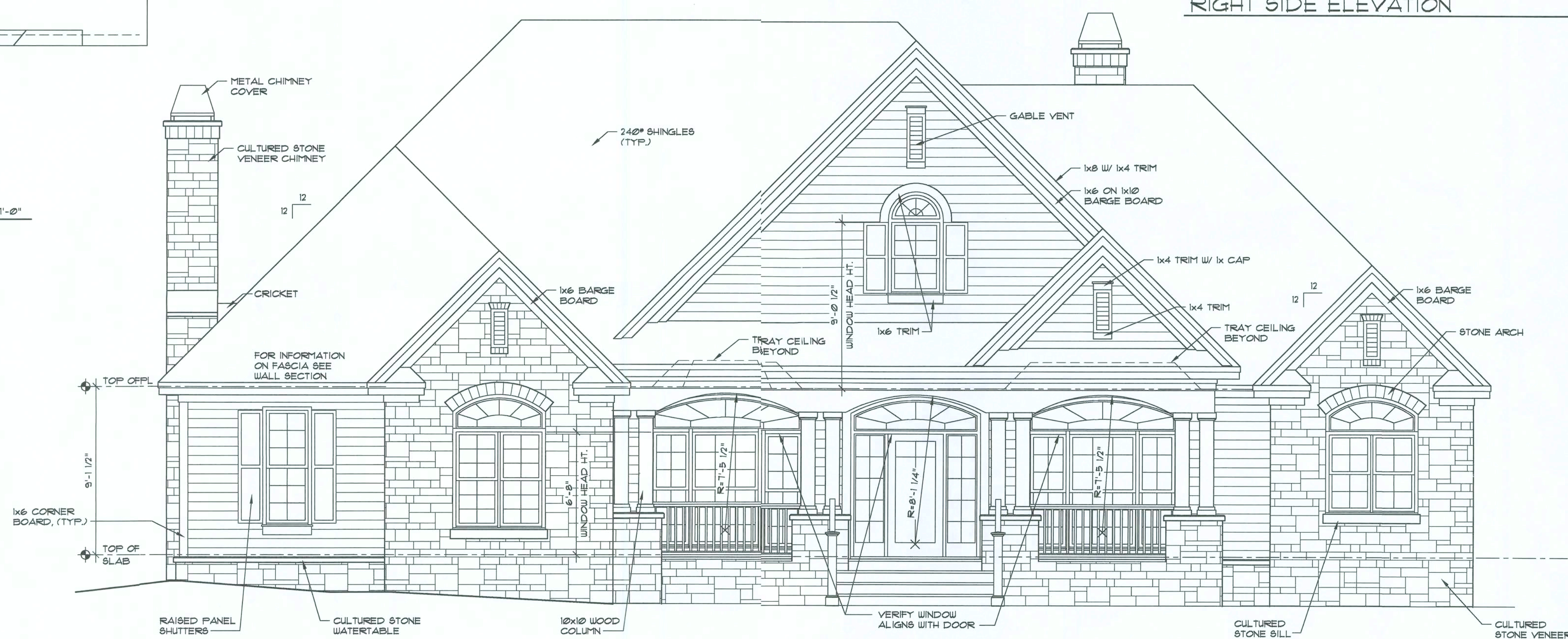
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EXTERIOR COLUMN BASE DETAILS

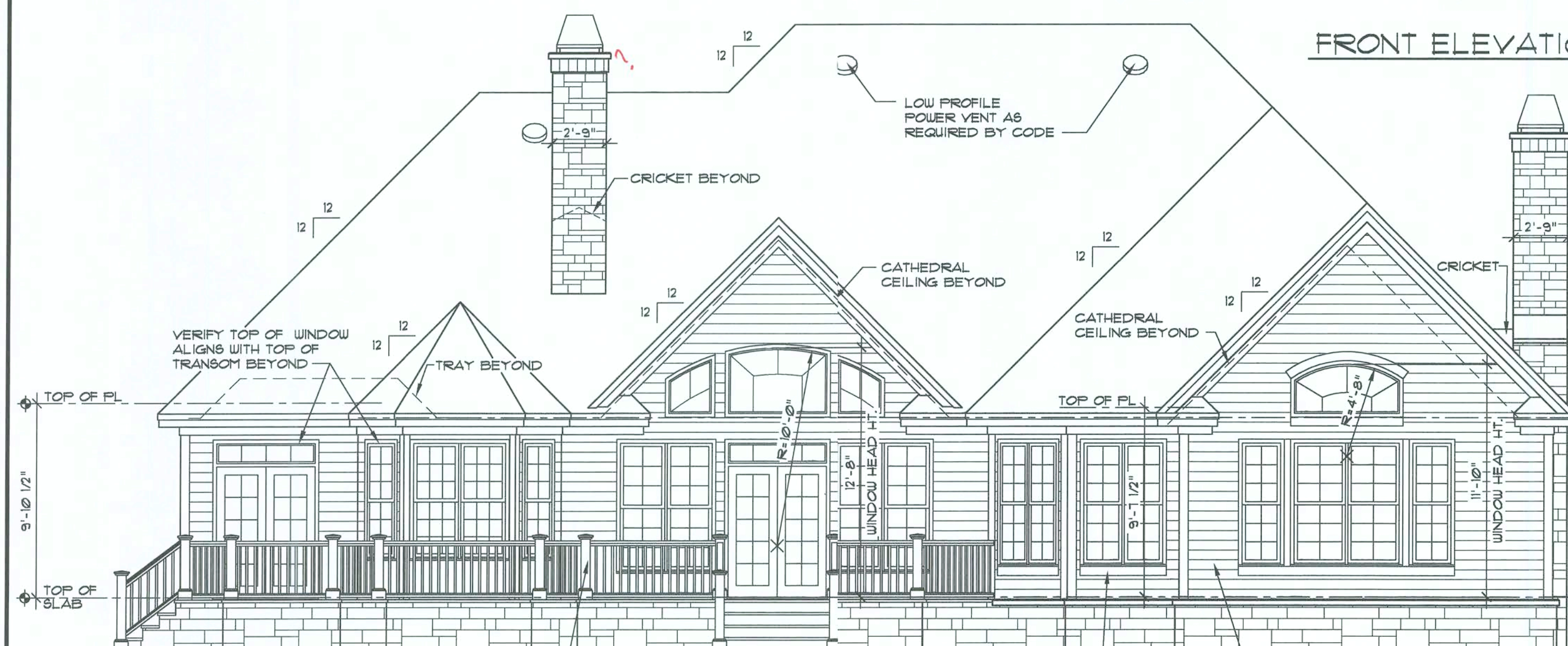
3/4" = 1'-0"



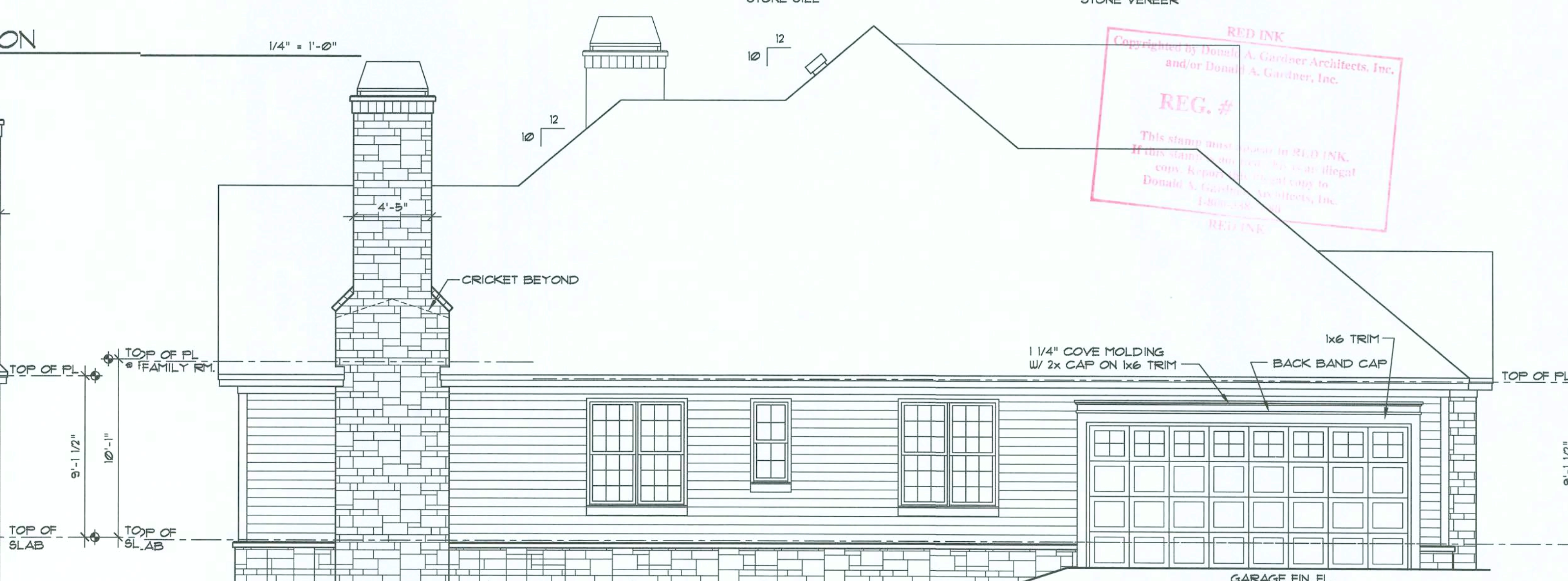
RIGHT SIDE ELEVATION 3/16" = 1'-0"



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



REAR ELEVATION



LEFT SIDE ELEVATION 3/16" = 1'-0"

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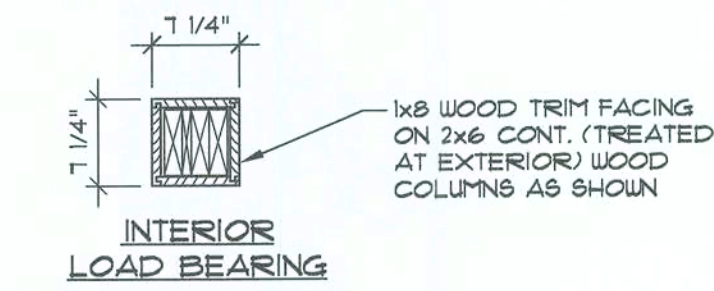
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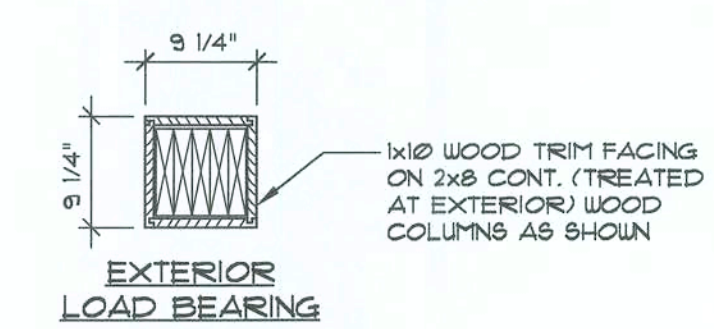
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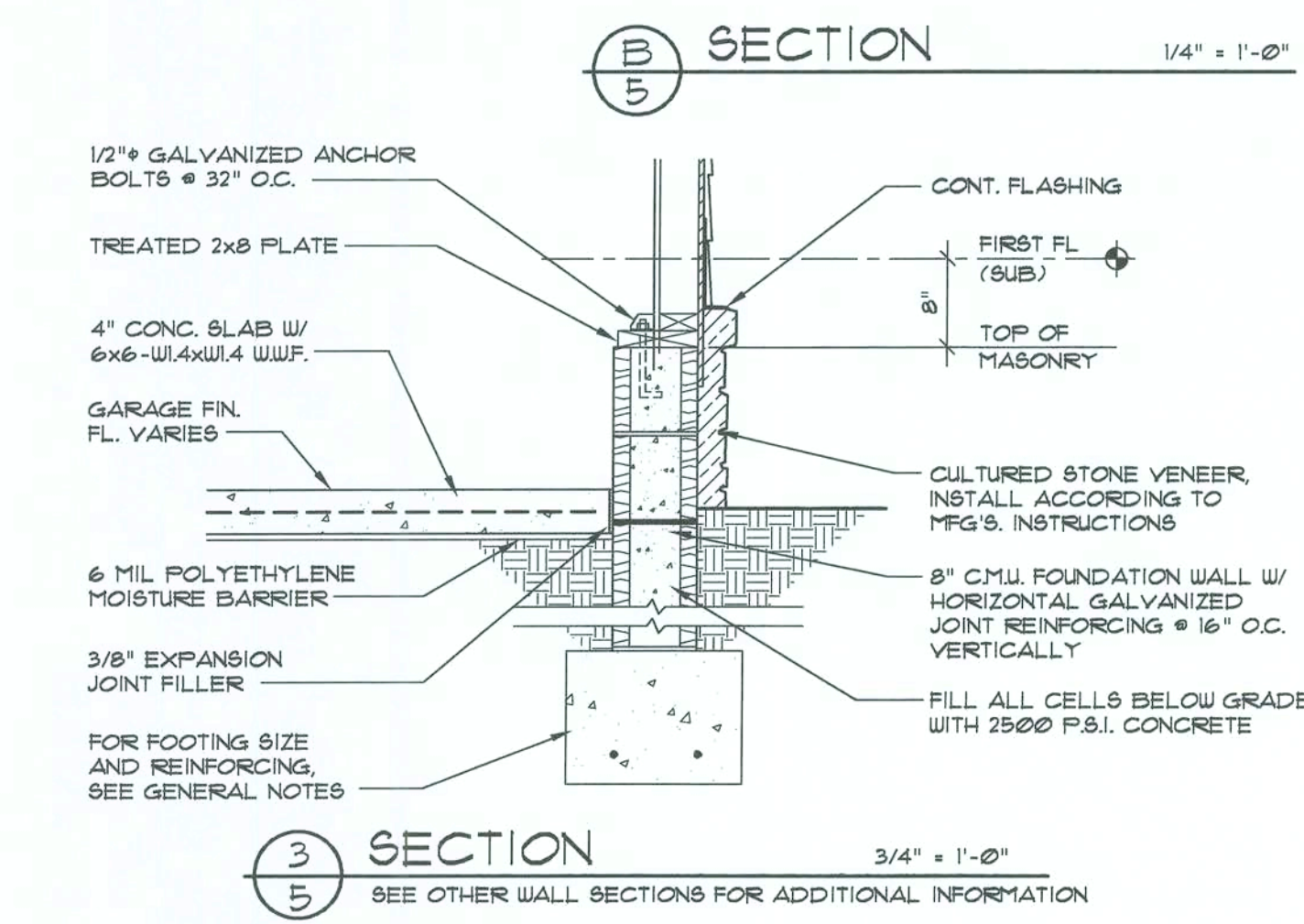
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SHEET OF	4 7
ELEVATIONS	



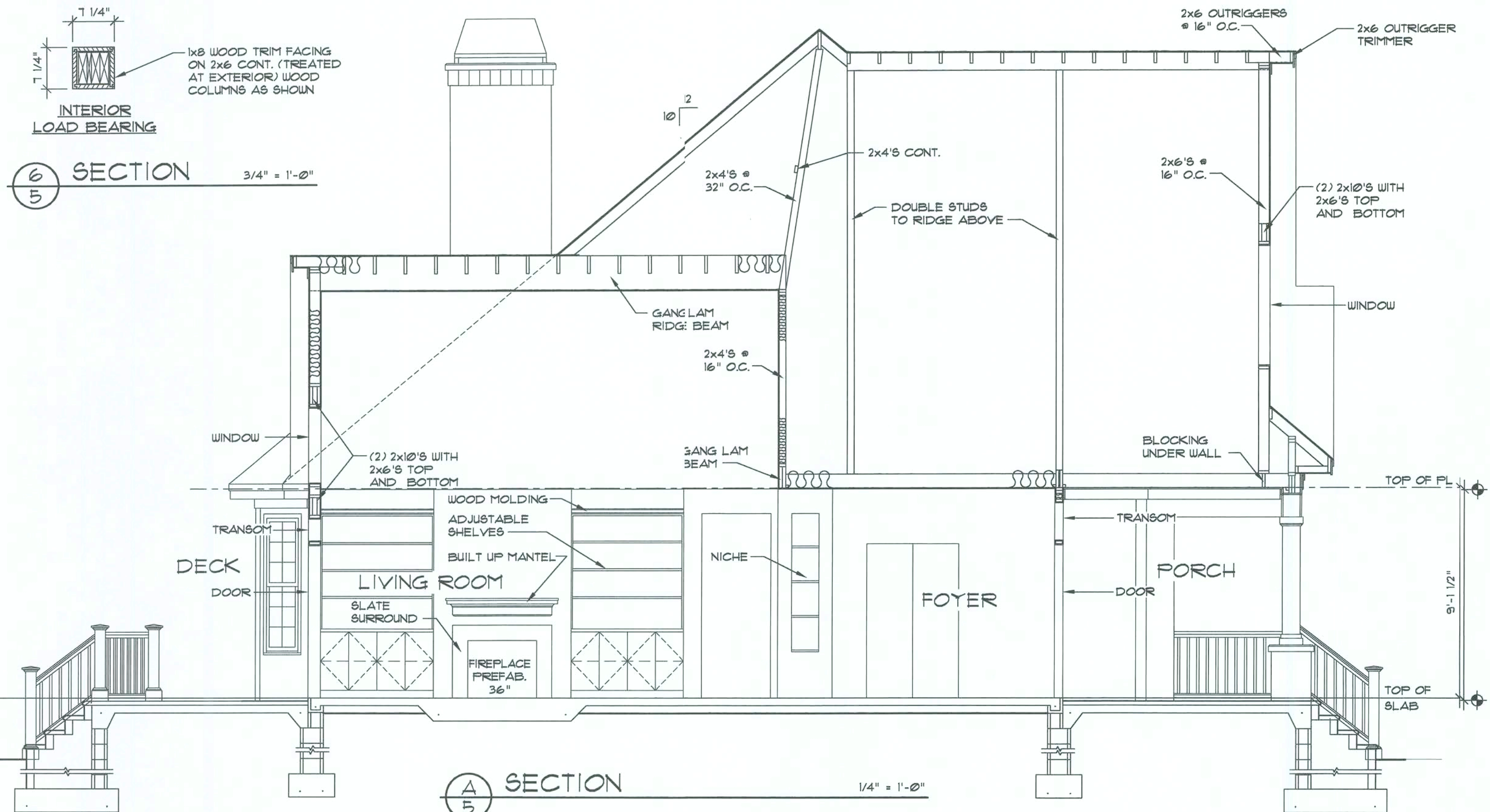
SECTION 3/4" = 1'-0"



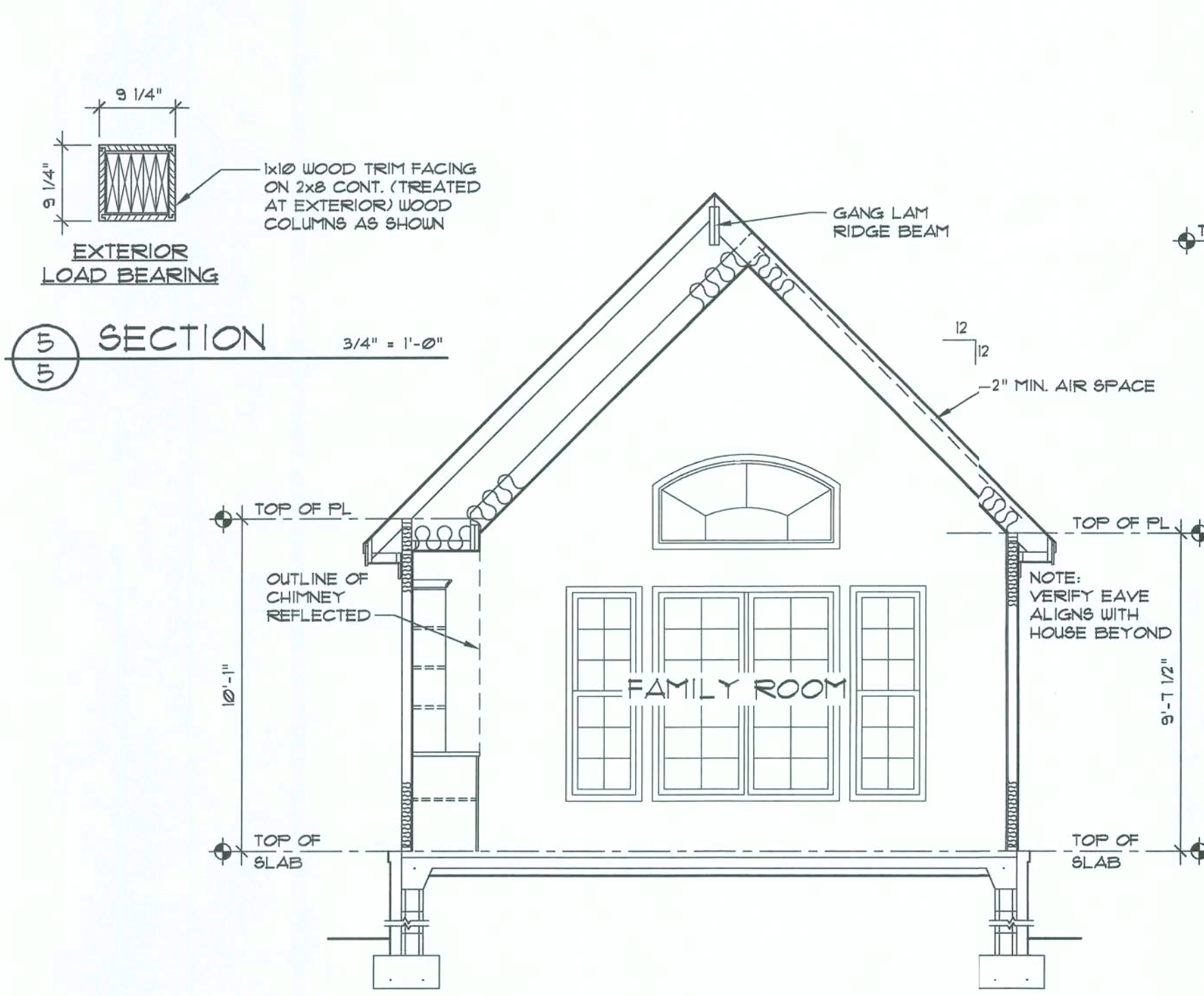
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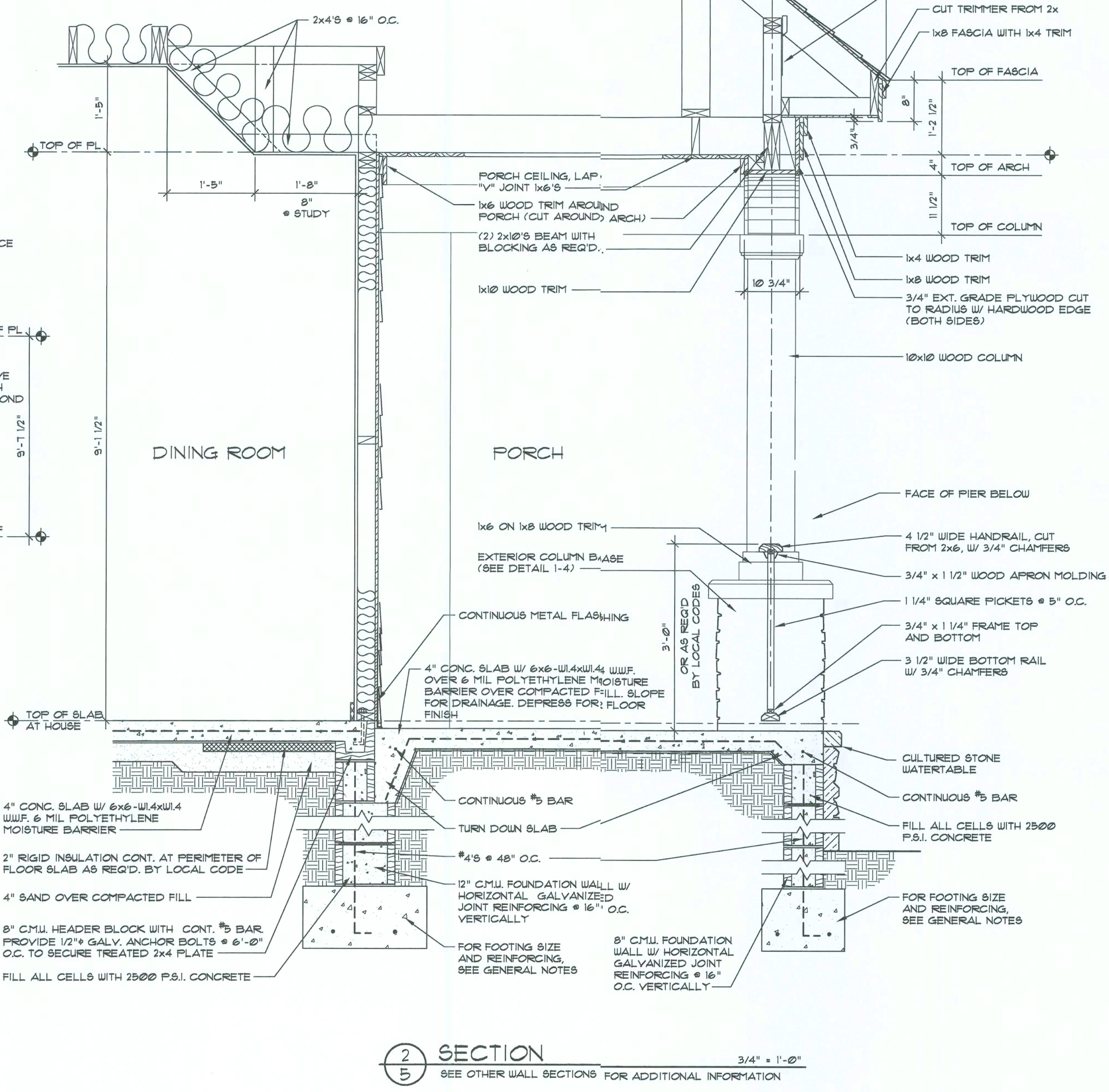
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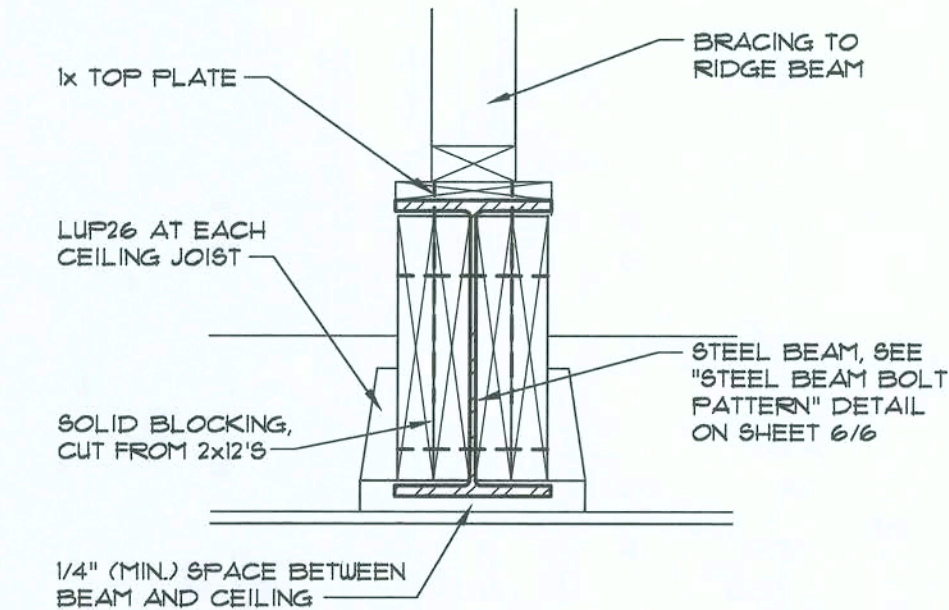
SECTION 1/4" = 1'-0"



SECTION 1/4" = 1'-0"

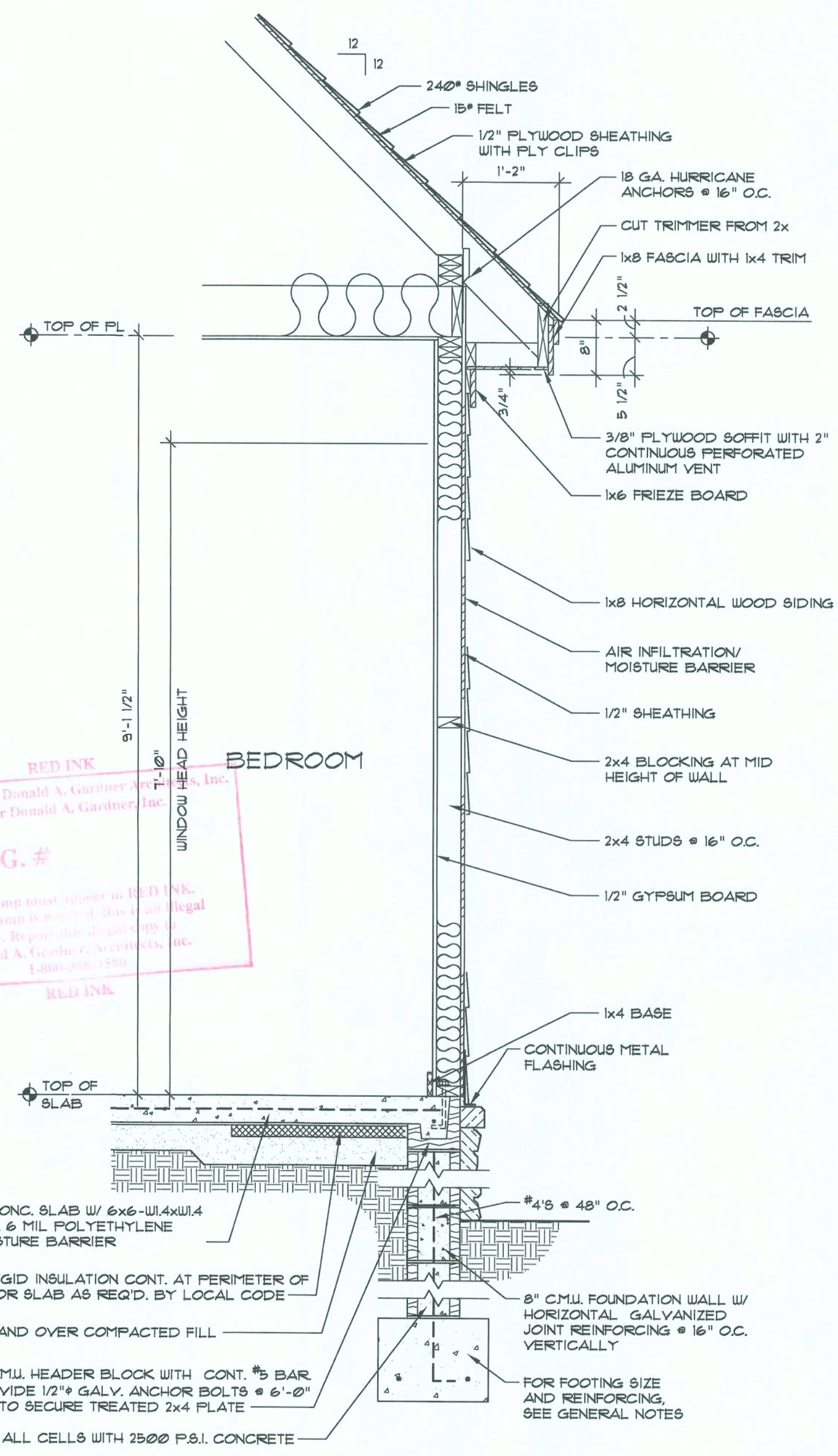


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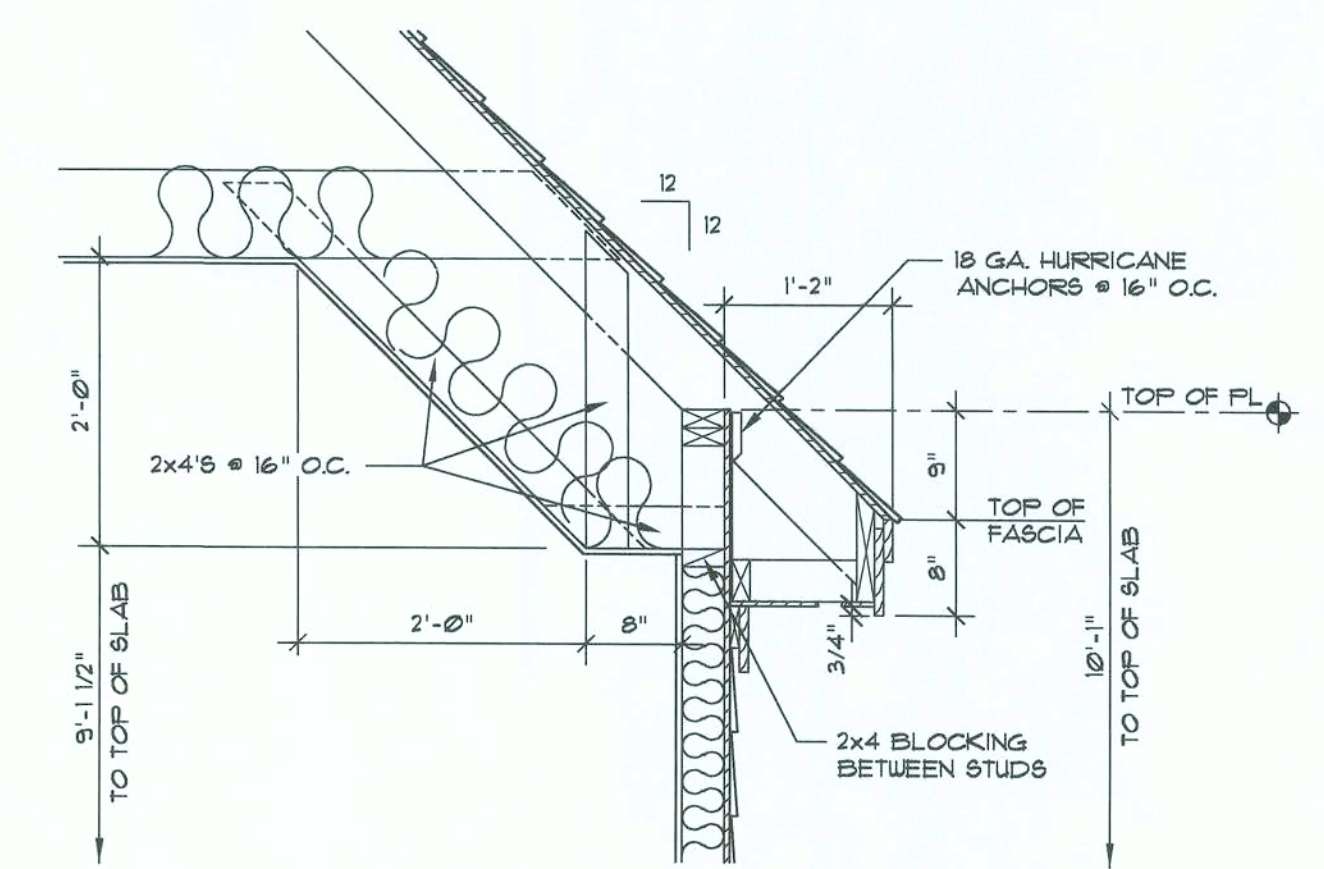


SECTION 1 1/2" = 1'-0"

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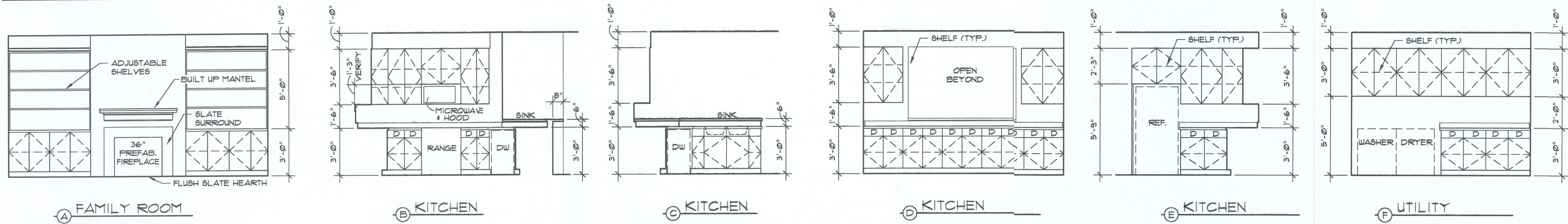


SECTION 3/4" = 1'-0"

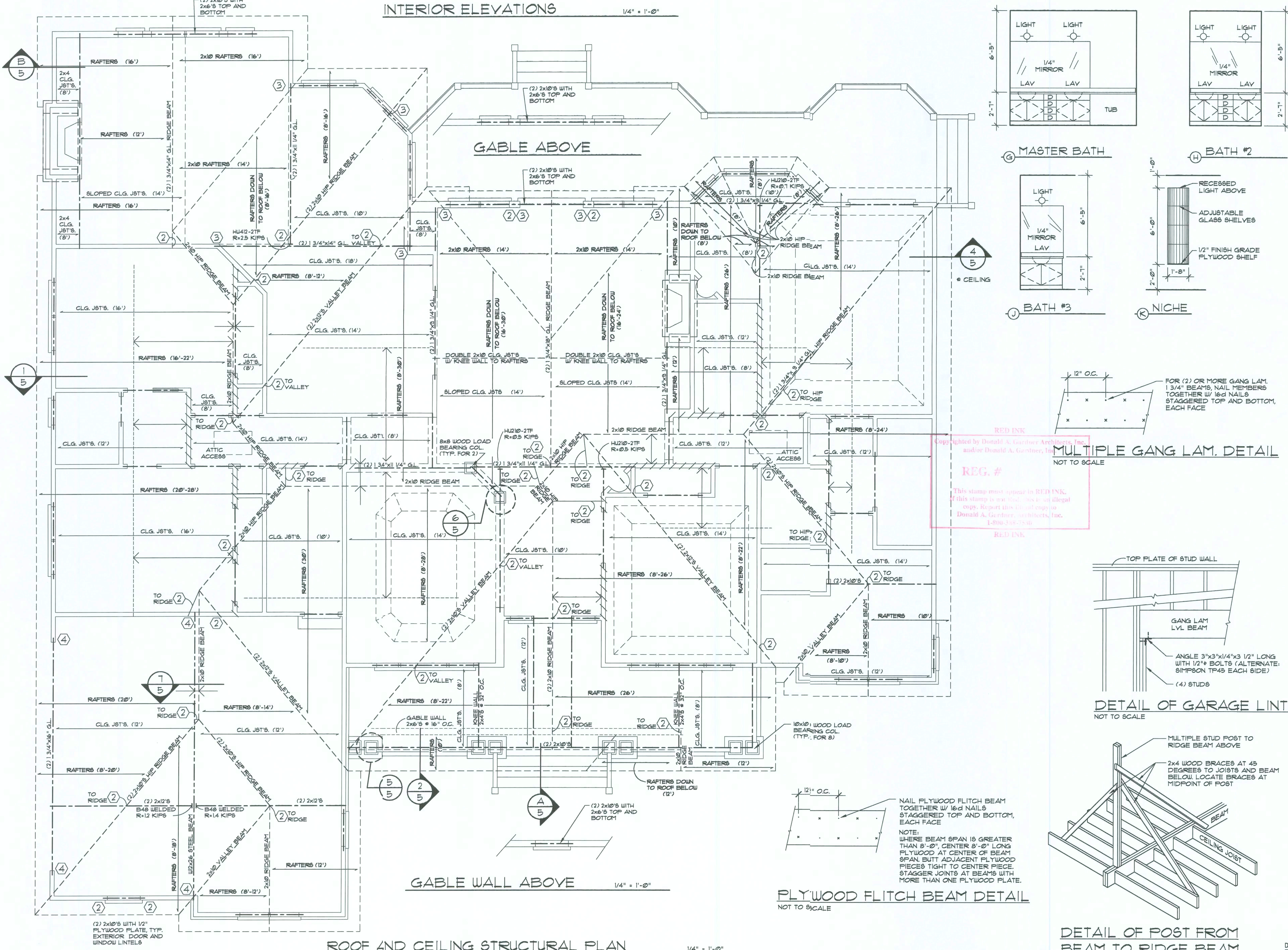
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INTERIOR ELEVATIONS



ROOF AND CEILING STRUCTURAL PLAN

1/4" = 1'-0"

DESIGN CRITERIA

(NOTE: ACTUAL DESIGN CRITERIA IN YOUR AREA MAY VARY. IT IS THE RESPONSIBILITY OF THE OWNER/BUILDER TO VERIFY THESE.)

- FRAMING DESIGN BASED ON THE FOLLOWING LOADING CONDITIONS:
ROOF DEAD LOADS - 15 P.S.F.
ROOF LIVE LOAD - 20 P.S.F.
MAXIMUM WIND SPEED - 80 M.P.H.
- VERIFY SEISMIC REQUIREMENTS FOR YOUR AREA.
- SOIL DESIGN BEARING PRESSURE IS ASSUMED 2000 P.S.F. LOCAL SOIL CONDITIONS AND/OR LOCAL PRACTICE MAY NECESSITATE A MORE STRINGENT FOOTING AND FOUNDATION WALL DESIGN. CONSULT WITH LOCAL CONTRACTOR OR BUILDING INSPECTOR.
- INSULATION:
CEILING - R-30
WALL - R-15
- GL. MATERIAL SPECS
LAMINATED VENEER LUMBER GANG LAM LVL SHALL BE BY LOUISIANA-PACIFIC OF WILMINGTON, NC (800-999-9105) OR APPROVED EQUAL SUPPLIER. PROPERTIES SHALL MEET OR EXCEED:
F_b = 2850 PSI
F_v = 230 PSI
E = 2,000,000 PSI
GANG LAM 1" LVL'S ARE INDICATED. GANG LAM 1" LVL'S CAN BE USED BUT VARY FROM SIZES INDICATED

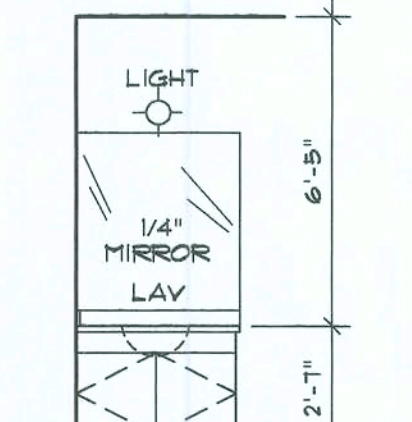
STRUCTURAL NOTES

- ROOF FRAMING DESIGN IS CONVENTIONAL (STICK) FRAMING. FOR CONVERSION TO PRE-ENGINEERED TRUSS FRAMING, CONSULT A LOCAL TRUSS MANUFACTURER.
- PROVIDE 2x6 COLLAR TIES @ 32" O.C. IN TOP THIRD OR TOP 3'-0" OF ATTIC SPACE IN ACCORDANCE WITH LOCAL BUILDING CODE.
- UNLESS NOTED OTHERWISE, ALL INTERIOR DOOR AND WALL OPENINGS IN LOAD BEARING WALLS SHALL HAVE (2) 2x10'S LINTEL WITH (2) STUDS AT EACH LINTEL END (TYPICAL).
- UNLESS NOTED OTHERWISE, ALL EXTERIOR DOOR AND WINDOW OPENINGS SHALL HAVE (2) 2x10'S WITH 1/2" PLYWOOD PLATE LINTEL. USE (2) STUDS AT LINTEL ENDS UNLESS OTHERWISE NOTED. PROVIDE STEEL LINTEL ANGLES WITH 4" MIN. BEARING WHERE REQUIRED OVER EXTERIOR MASONRY WALL OPENINGS.
- AT ALL BUILDING CORNERS USE NOMINAL 1/2" STRUCTURAL GRADE 2 PLYWOOD OR NOMINAL 1/2" OSB (ORIENTED STRAND BOARD) MIN. 4'-0" WIDTH. USE 8d NAILS @ 4" O.C. FOR EDGE NAILING AND 12" O.C. FOR ALL INTERMEDIATE NAILING.
- CONNECTORS INDICATED ARE MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, INC., SAN LEANDRO, CALIFORNIA 94577 (800-999-5099)

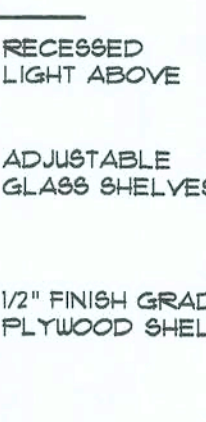
STRUCTURAL LEGEND

- RAFTERS (X') RAFTERS, 2x6'S @ 16" O.C. UNLESS NOTED OTHERWISE
- FL. JOISTS (X') FLOOR JOISTS, 2x10'S @ 16" O.C. WITH BRIDGING UNLESS NOTED OTHERWISE
- CLG. JOISTS (X') CEILING JOISTS, 2x8'S @ 16" O.C. UNLESS NOTED OTHERWISE
- PHANTOM LINE INDICATES STEEL BEAM
- THIS SYMBOL INDICATES LOAD BEARING INTERIOR WALLS. ALTHOUGH EXTERIOR WALLS ARE LOAD BEARING
- DASH LINE INDICATES ROOF FRAMING
- CENTER LINE INDICATES (2) 2x10'S BEAM BELOW ROOF UNLESS NOTED OTHERWISE. (SEE STUD NOTE (3) BELOW)
- (3) INDICATES THE NUMBER OF STUDS UNDER BEAM ABOVE. NOTE: IF NUMBER OF STUDS AT BEAM ENDS ARE NOT INDICATED, USE (2) STUDS
- BRACE ROOF TO WALL OR BEAM BELOW WITH 2x4'S @ 32" O.C.

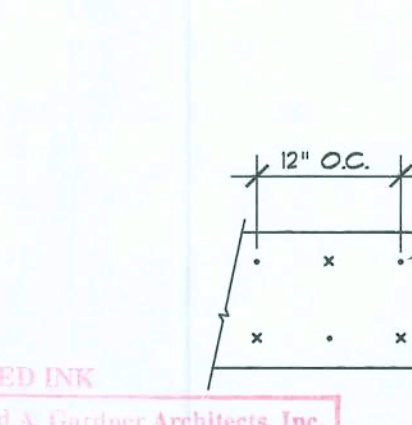
MASTER BATH



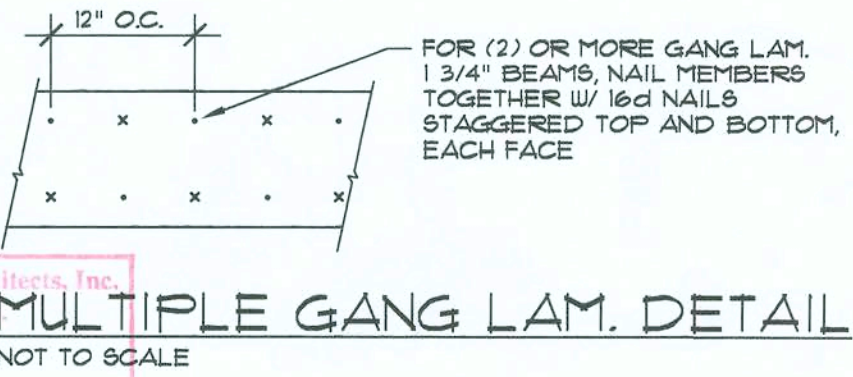
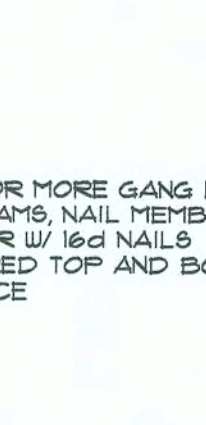
BATH #2



BATH #3

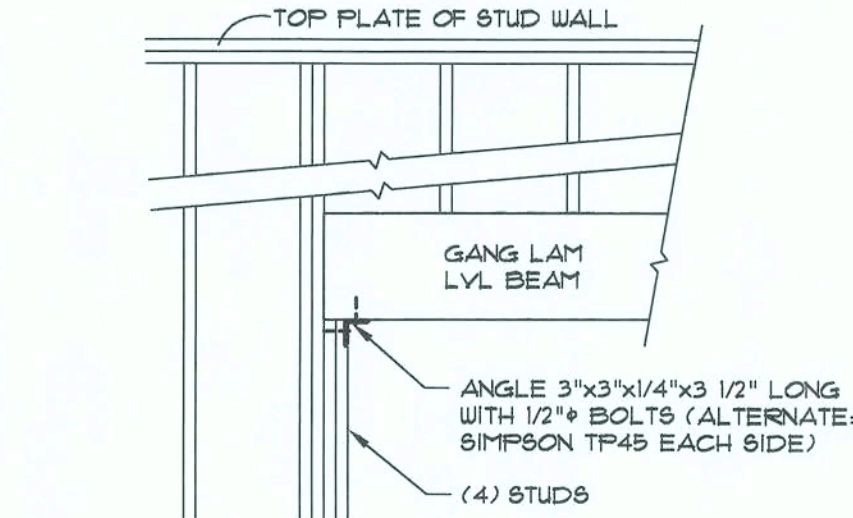


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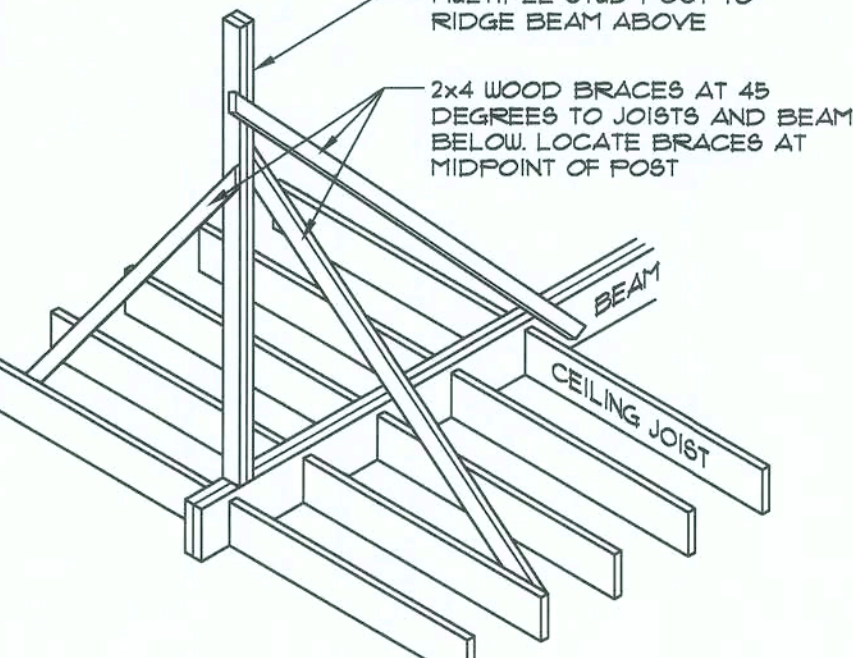
MULTIPLE GANG LAM. DETAIL

NOT TO SCALE

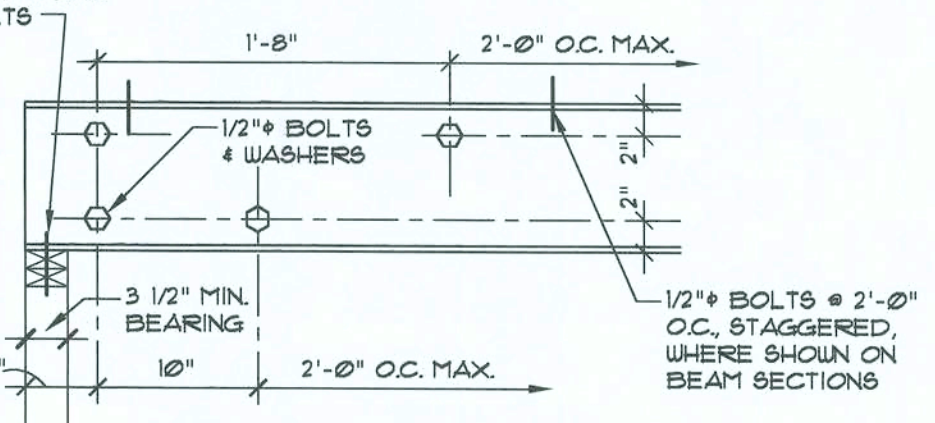


DETAIL OF GARAGE LINTEL

NOT TO SCALE



DETAIL OF POST FROM BEAM TO RIDGE BEAM



STEEL BEAM BOLT PATTERN

NOT TO SCALE (REFER TO BEAM SECTION FOR BOLT LOCATIONS)

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DESIGN NO. 1009 - B
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STRUCTURAL PLAN

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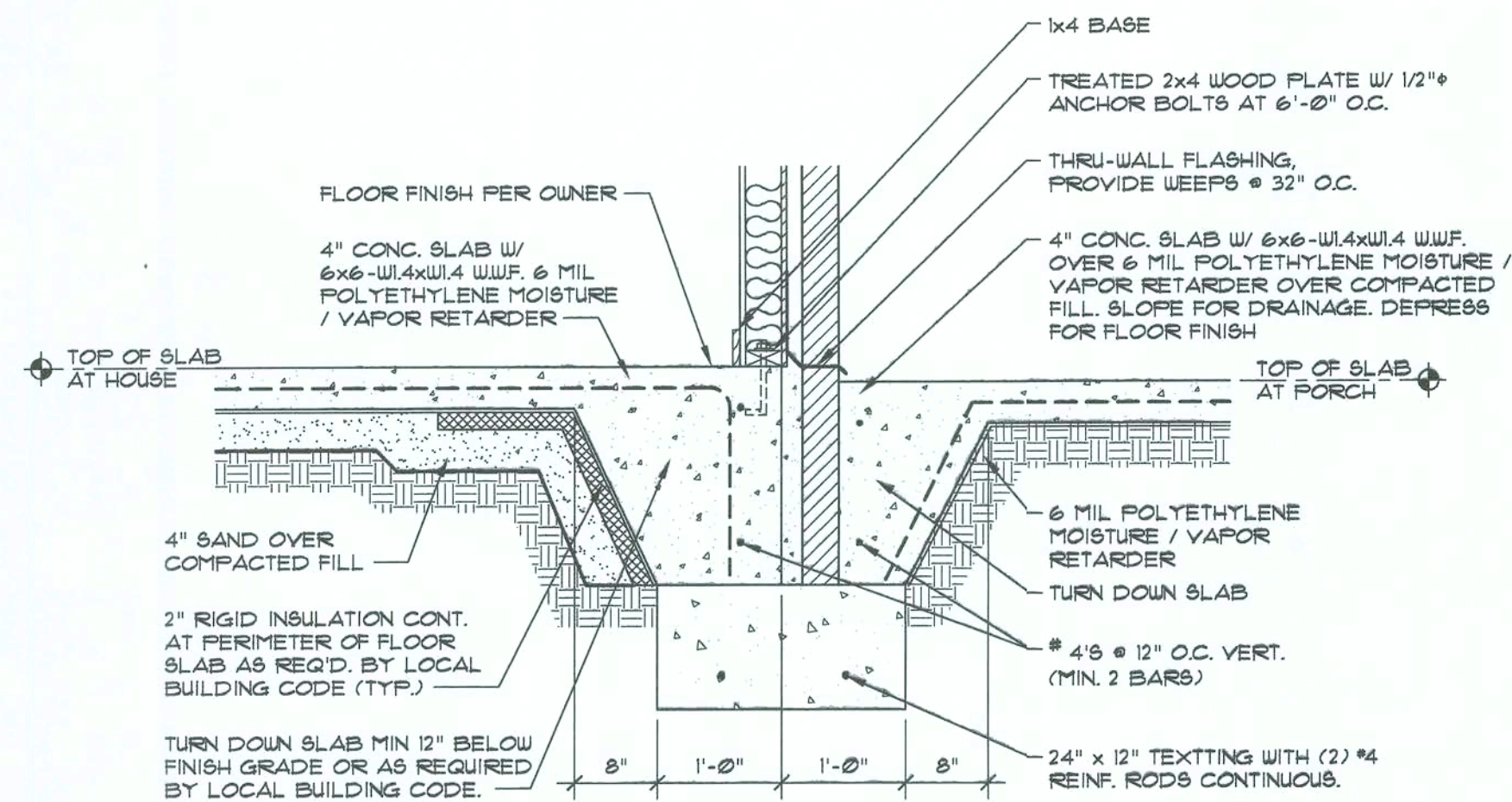
ALTERNATE FOUNDATION DETAILS FOR TURN DOWN SLAB

BRICK VENEER HOUSE

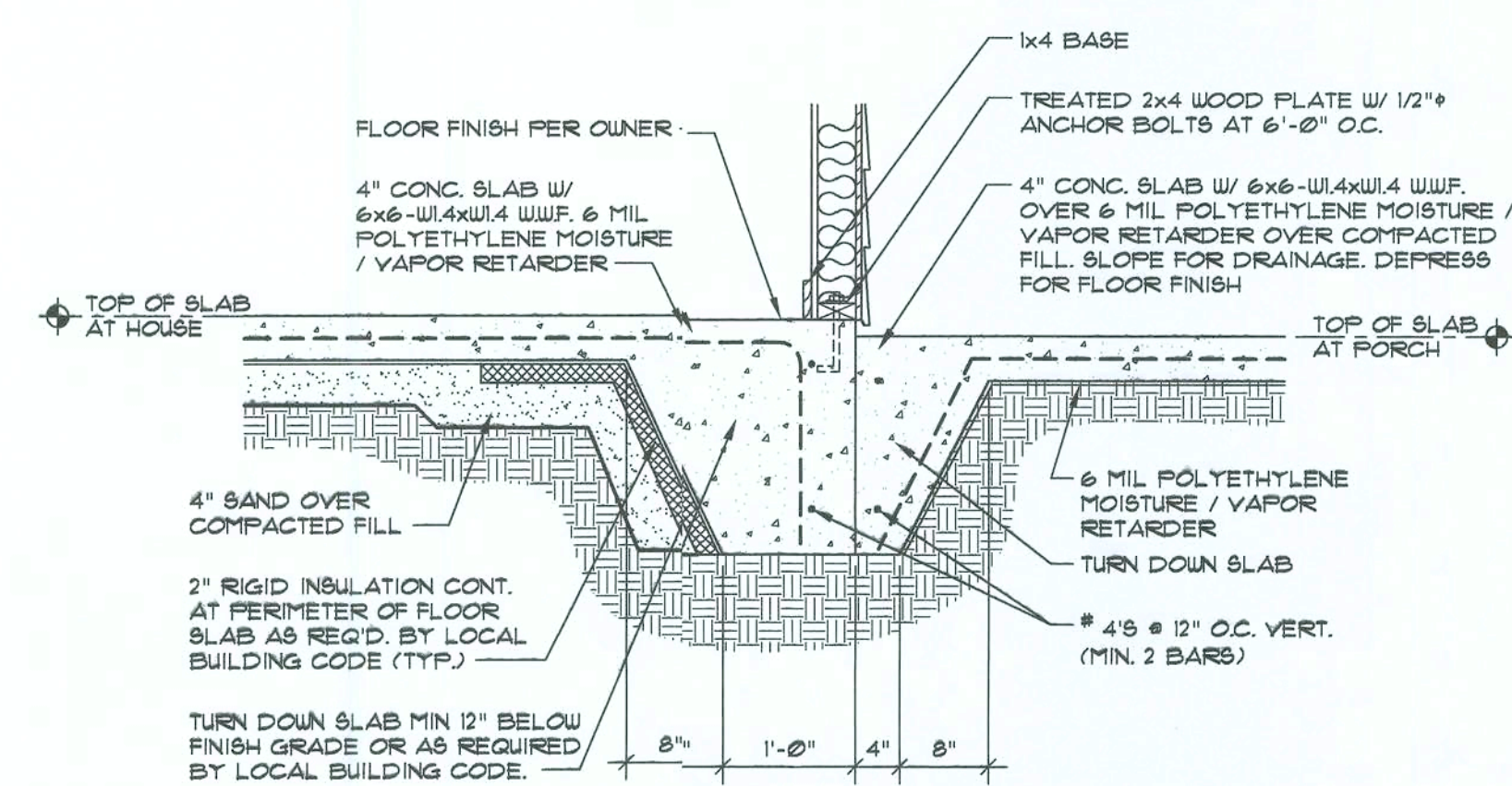
SIDING, STUCCO, OR STONE VENEER HOUSE

MISCELLANEOUS TURN DOWN SLAB DETAILS

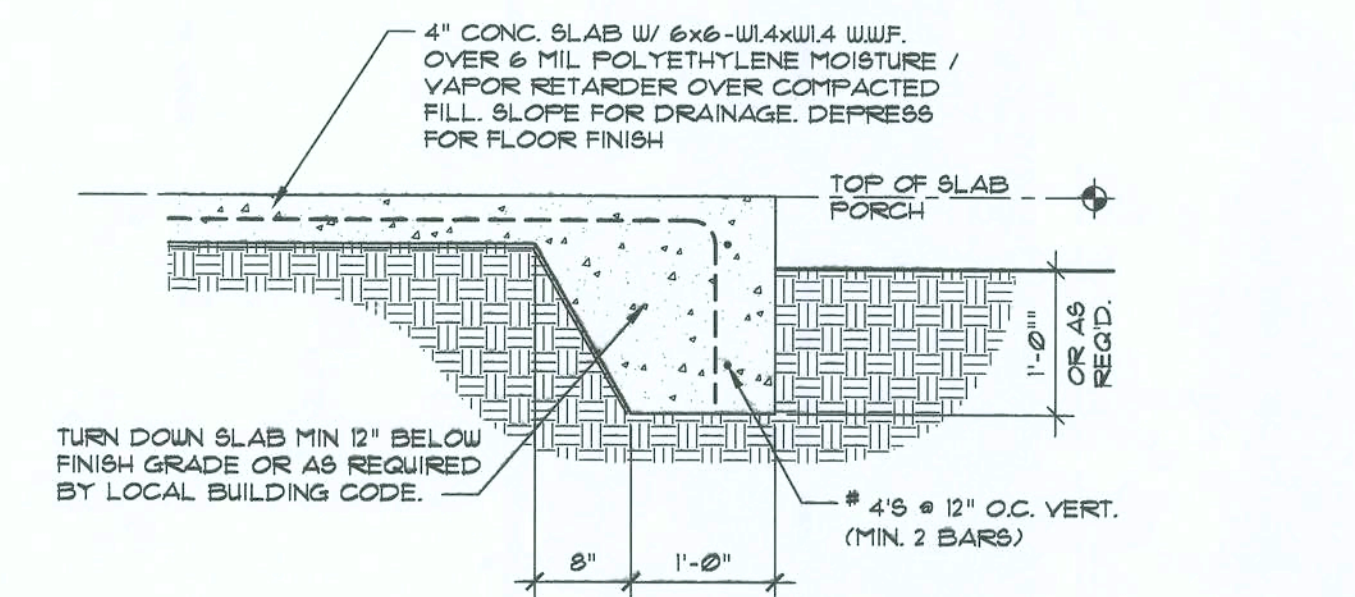
TURN DOWN @ HOUSE AND PORCH



1 TURN DOWN SLAB @ PORCH
SEE OTHER WALL SECTIONS FOR ADDITIONAL INFORMATION
3/4" = 1'-0"

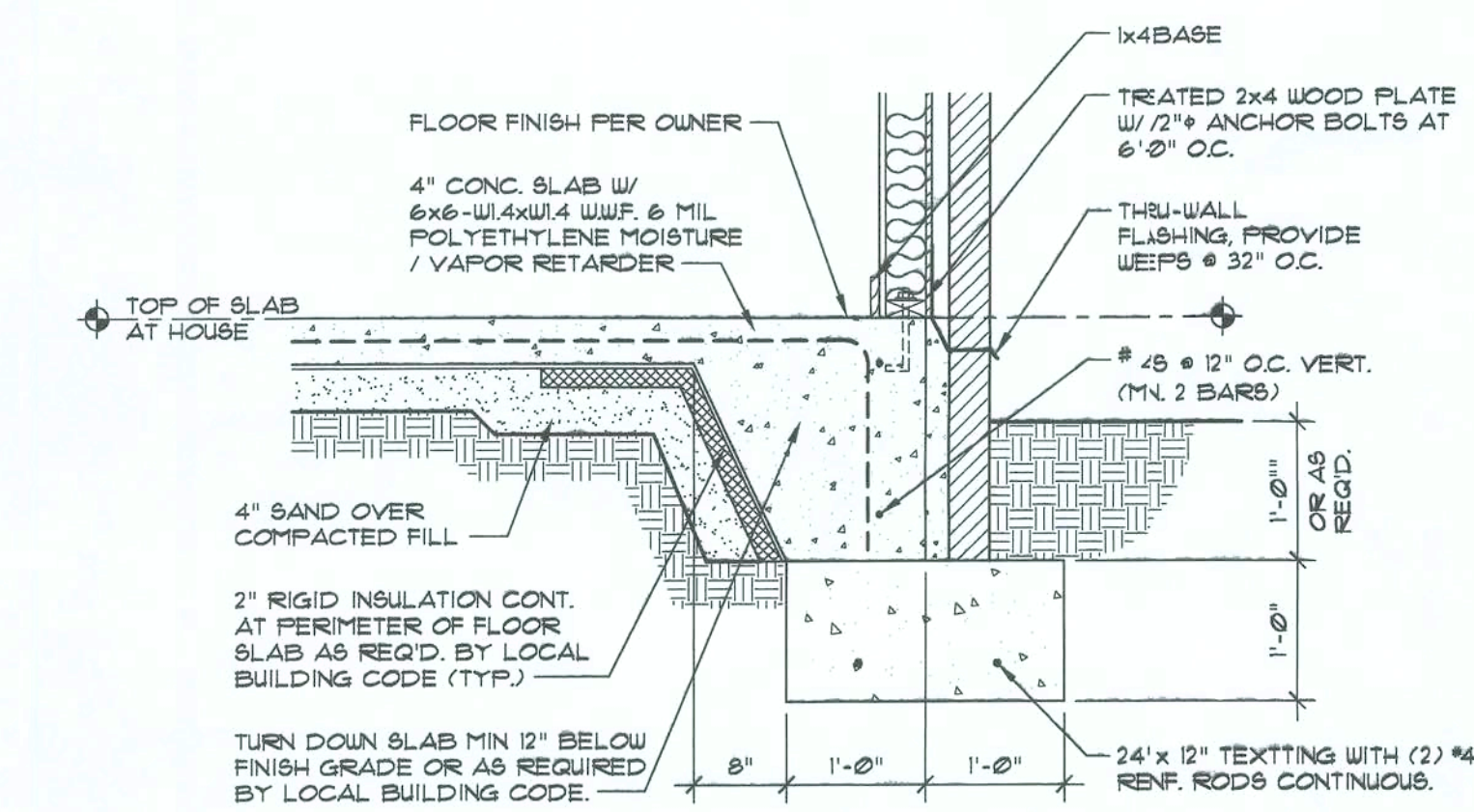


4 TURN DOWN SLAB @ PORCH
SEE OTHER WALL SECTIONS FOR ADDITIONAL INFORMATION
3/4" = 1'-0"

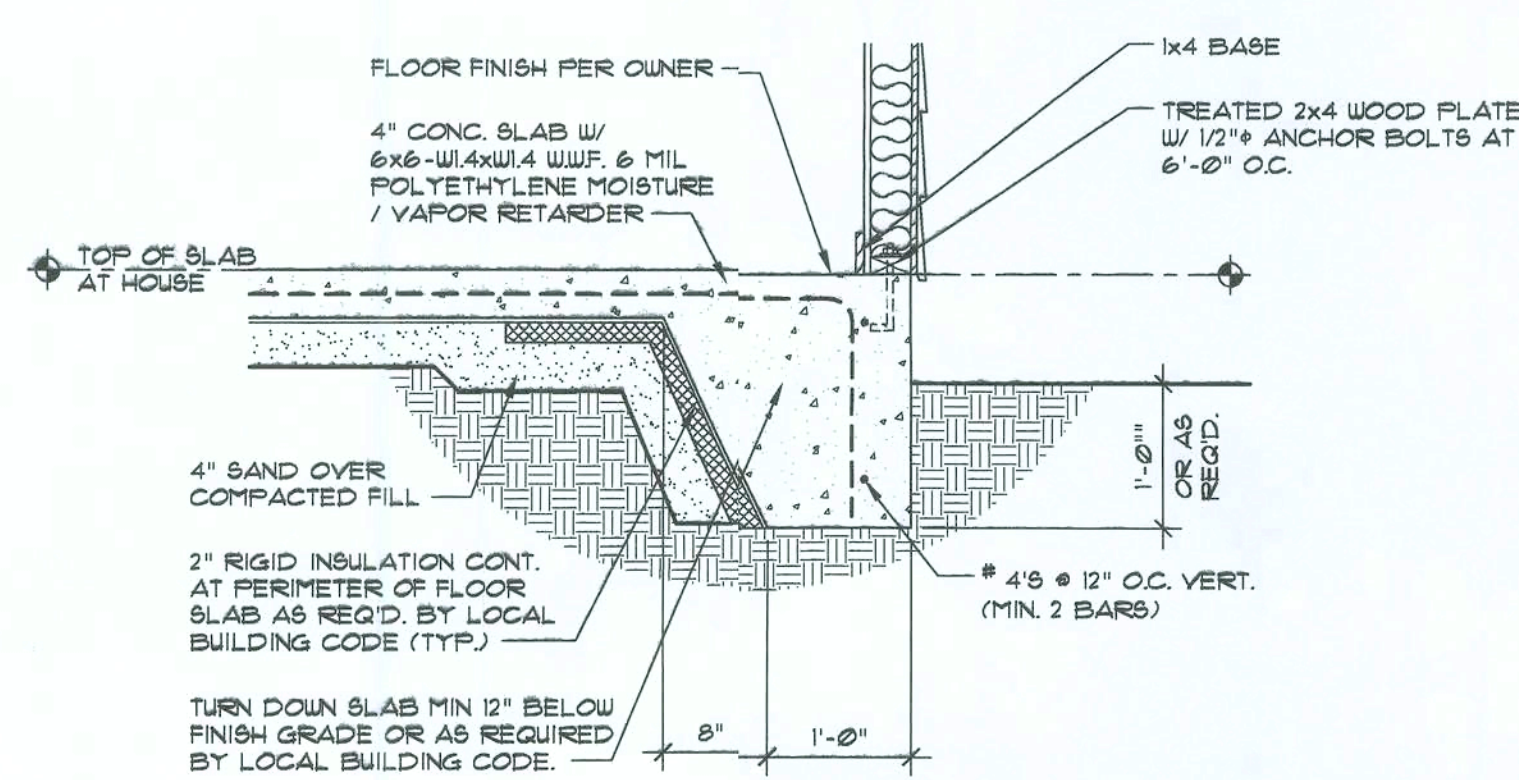


7 TURN DOWN SLAB @ PORCH
SEE OTHER WALL SECTIONS FOR ADDITIONAL INFORMATION
3/4" = 1'-0"

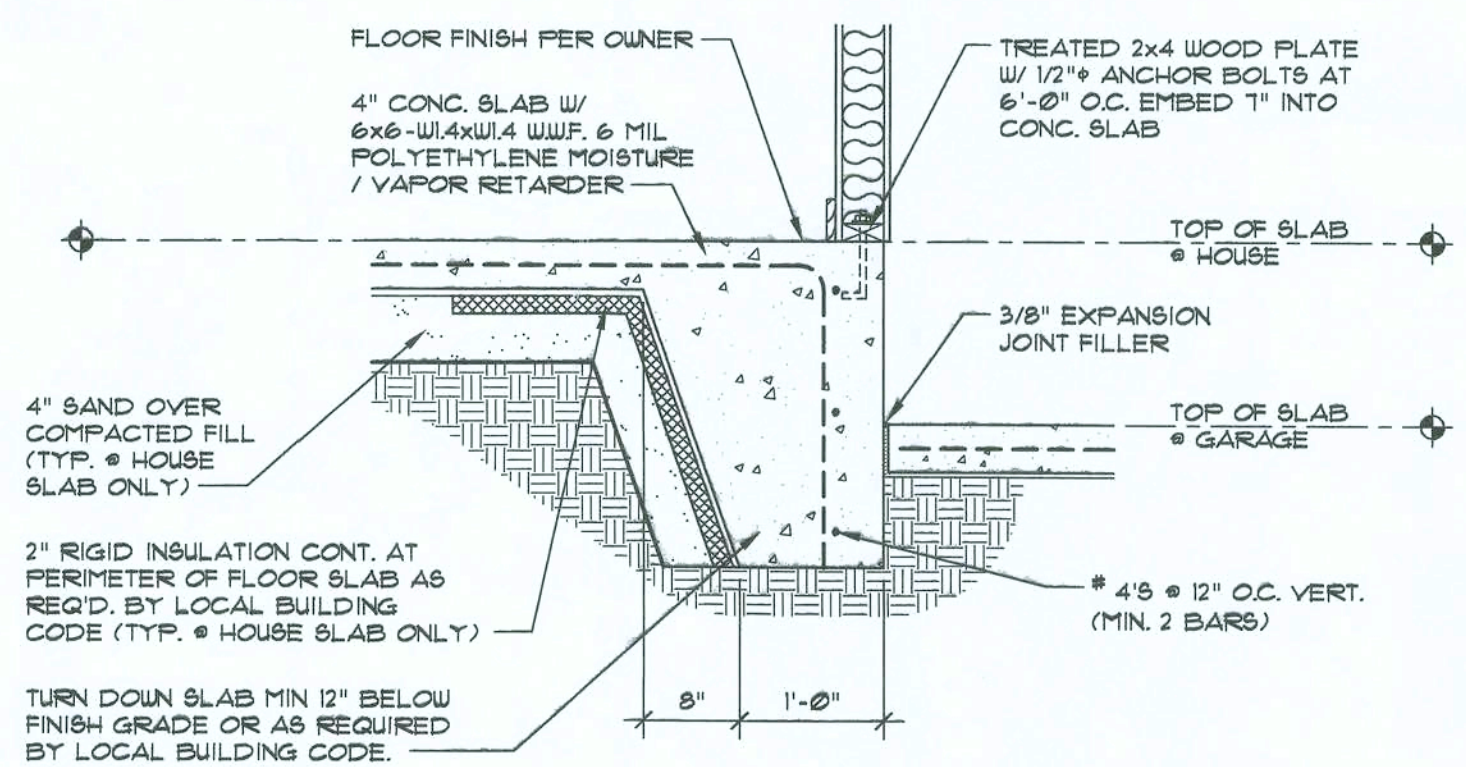
TURN DOWN @ HOUSE



2 TURN DOWN SLAB @ HOUSE
SEE OTHER WALL SECTIONS FOR ADDITIONAL INFORMATION
3/4" = 1'-0"

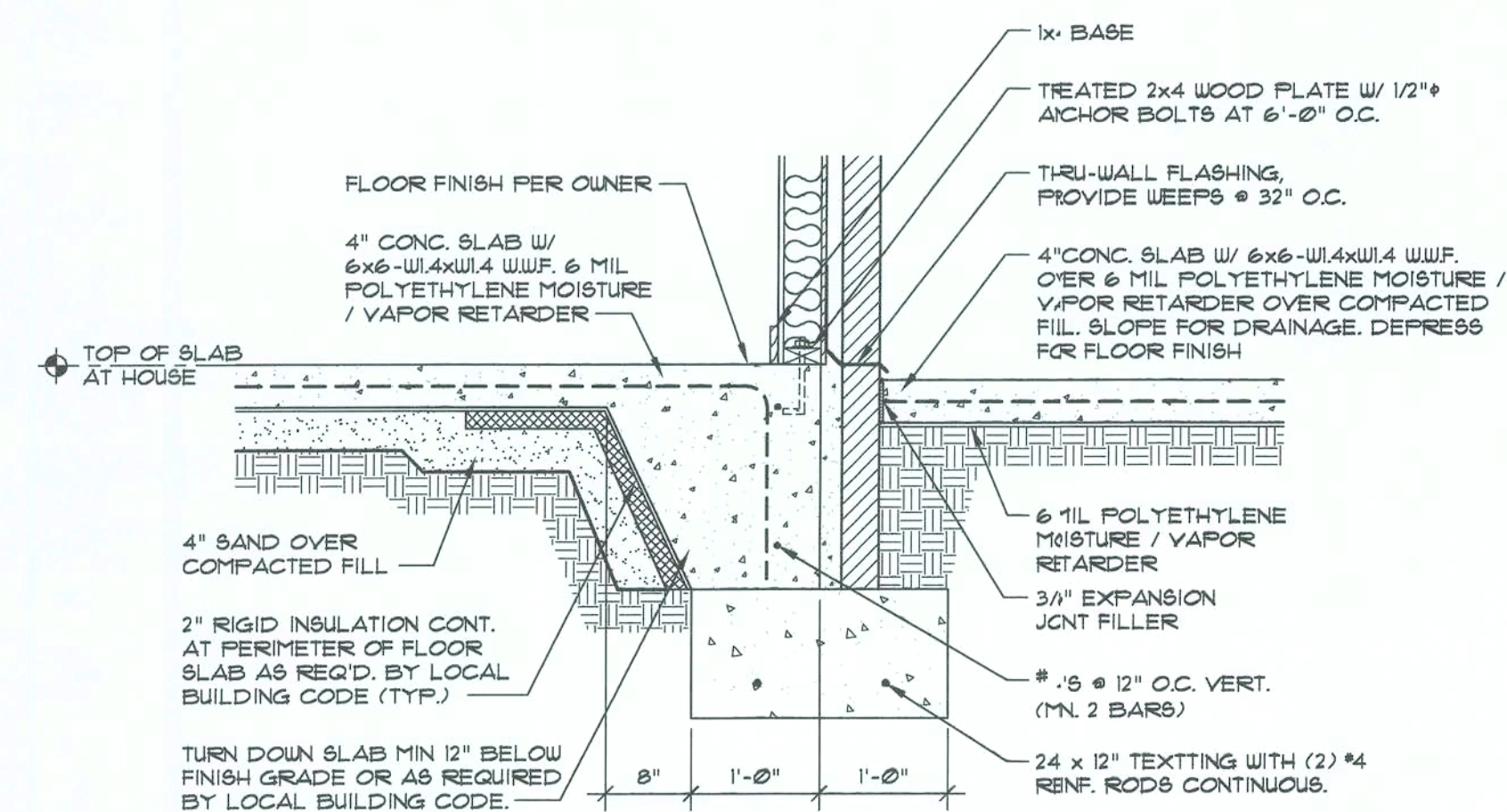


5 TURN DOWN SLAB @ HOUSE
SEE OTHER WALL SECTIONS FOR ADDITIONAL INFORMATION
3/4" = 1'-0"

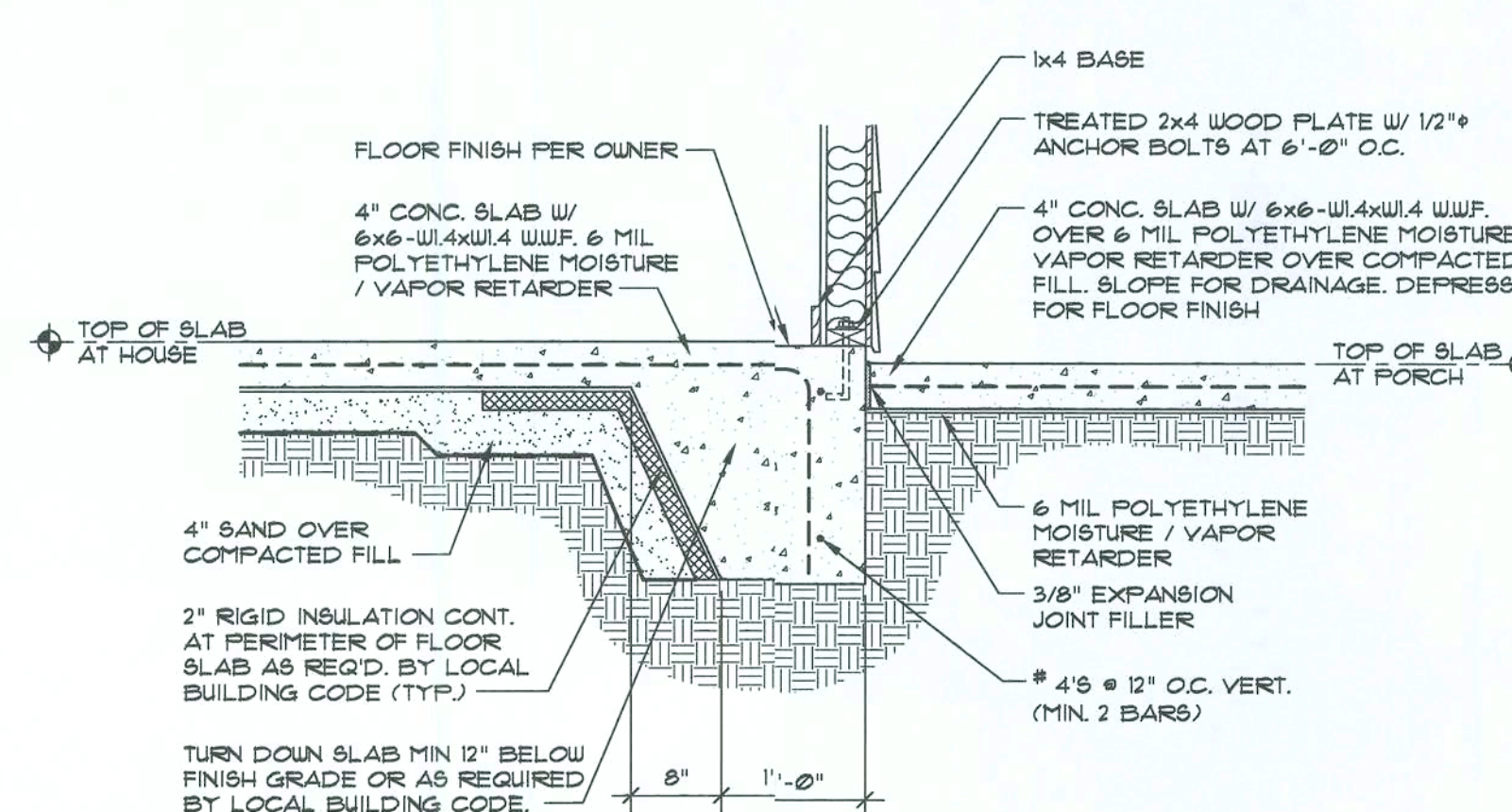


8 DETAIL @ HOUSE AND GARAGE
SEE OTHER WALL SECTIONS FOR ADDITIONAL INFORMATION
3/4" = 1'-0"

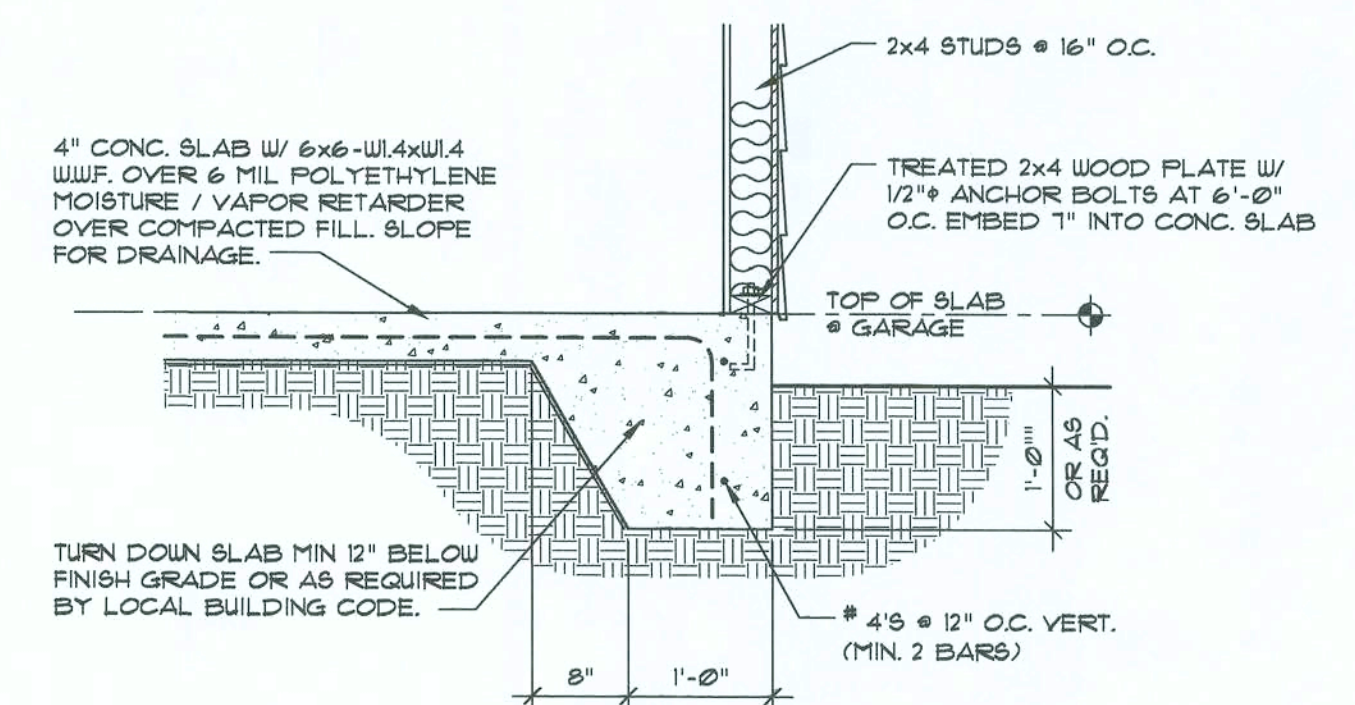
TURN DOWN @ HOUSE AND PATIO



3 TURN DOWN SLAB @ PATIO
SEE OTHER WALL SECTIONS FOR ADDITIONAL INFORMATION
3/4" = 1'-0"



6 TURN DOWN SLAB @ PATIO
SEE OTHER WALL SECTIONS FOR ADDITIONAL INFORMATION
3/4" = 1'-0"



9 TURN DOWN SLAB @ GARAGE
SEE OTHER WALL SECTIONS FOR ADDITIONAL INFORMATION
3/4" = 1'-0"

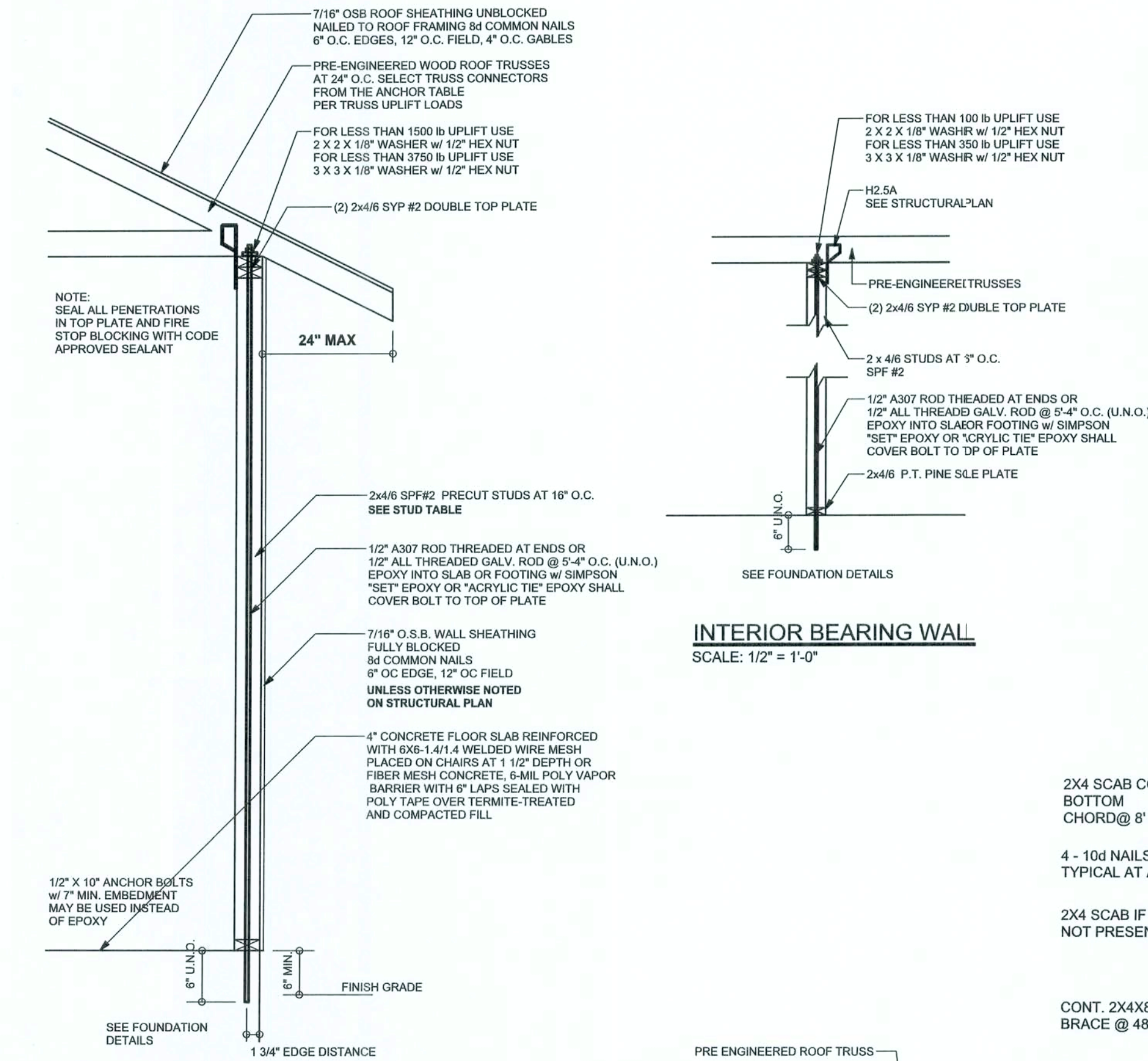
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DESIGN NO. 1009-B
SHEET OF 1 RTN
ALTERNATE TURN DOWN SLAB DETAILS

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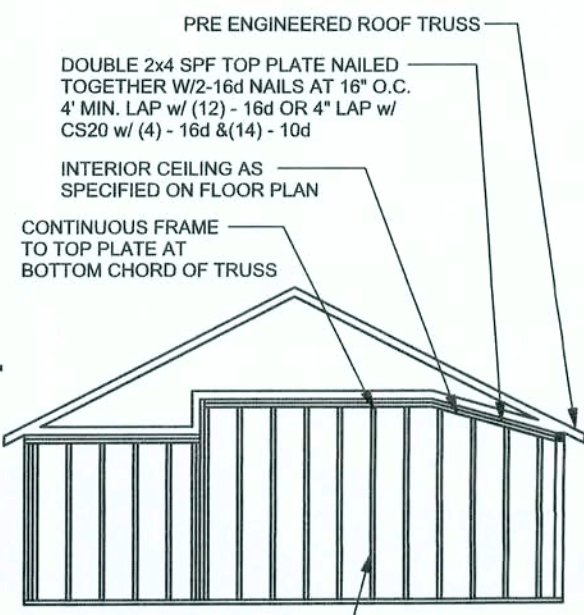


ONE STORY WALL SECTION
SCALE: 3/4" = 1'-0"

EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

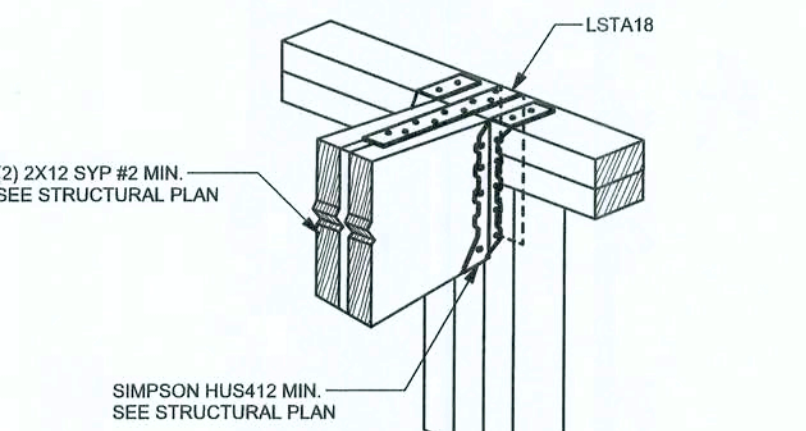
(1) 2x4 @ 16" OC	TO 11'-9" STUD HEIGHT
(1) 2x4 @ 12" OC	TO 13'-0" STUD HEIGHT
(1) 2x6 @ 16" OC	TO 18'-10" STUD HEIGHT
(1) 2x6 @ 12" OC	TO 20'-0" STUD HEIGHT

THIS STUD HEIGHT TABLE IS PER WFCM 2001, TABLE 3.20B, EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS RESISTING INTERIOR ZONE WIND LOADS 110 MPH EXPOSURE B. STUD SPACINGS SHALL BE MULTIPLIED BY 0.85 FOR FRAMING LOADS WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. EXAMPLE 16" O.C. x 0.85 = 13.6" O.C.



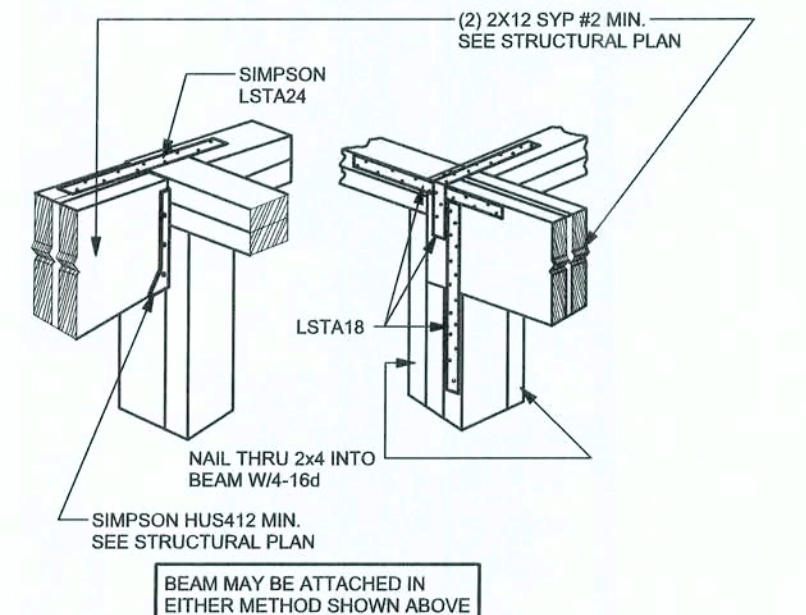
CONTINUOUS FRAME TO CEILING DIAPHRAGM DETAIL

SCALE: N.T.S.



BEAM MID-WALL CONNECTION DETAIL

SCALE: N.T.S.

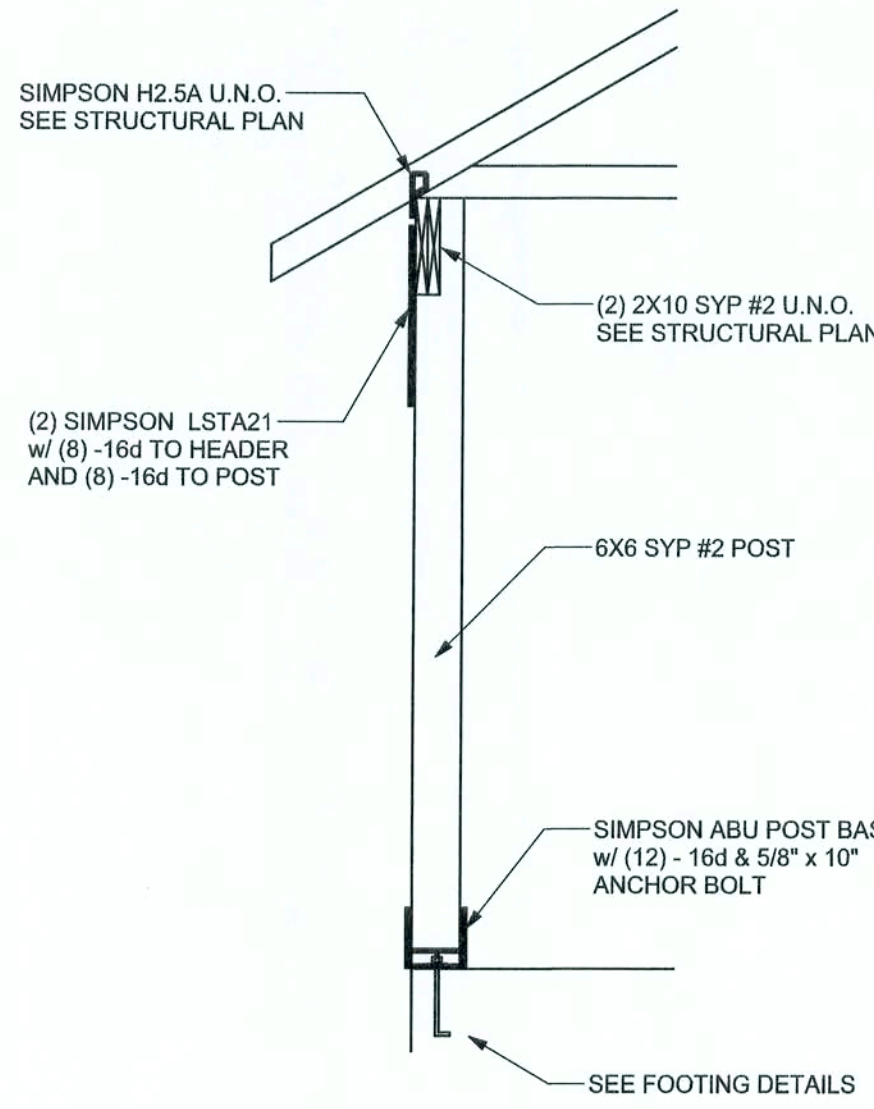


BEAM CORNER CONNECTION DETAIL

SCALE: N.T.S.

SUPPORTIVE CENTER POST TO BEAM DETAIL

SCALE: N.T.S.

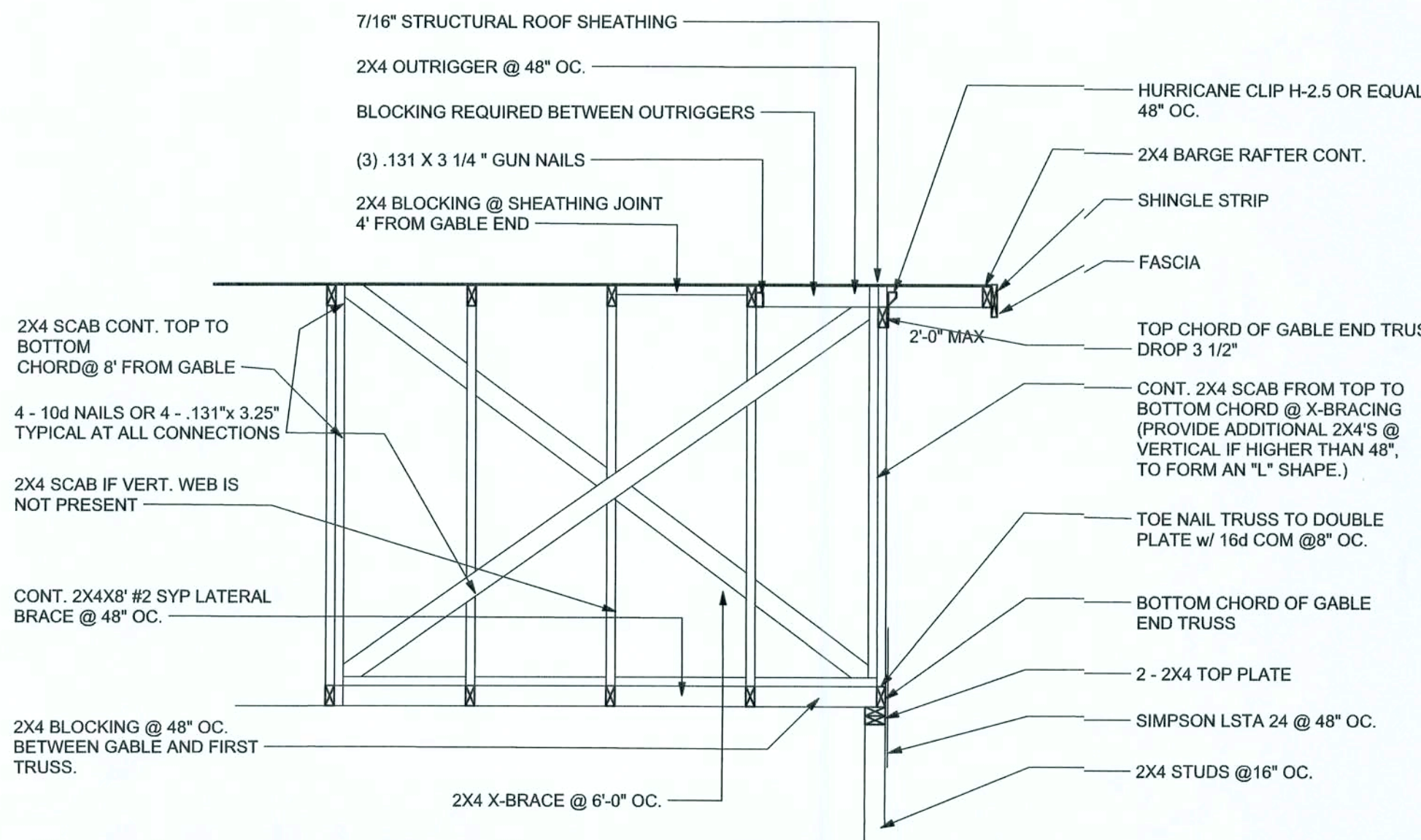


TYPICAL PORCH POST DETAIL

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

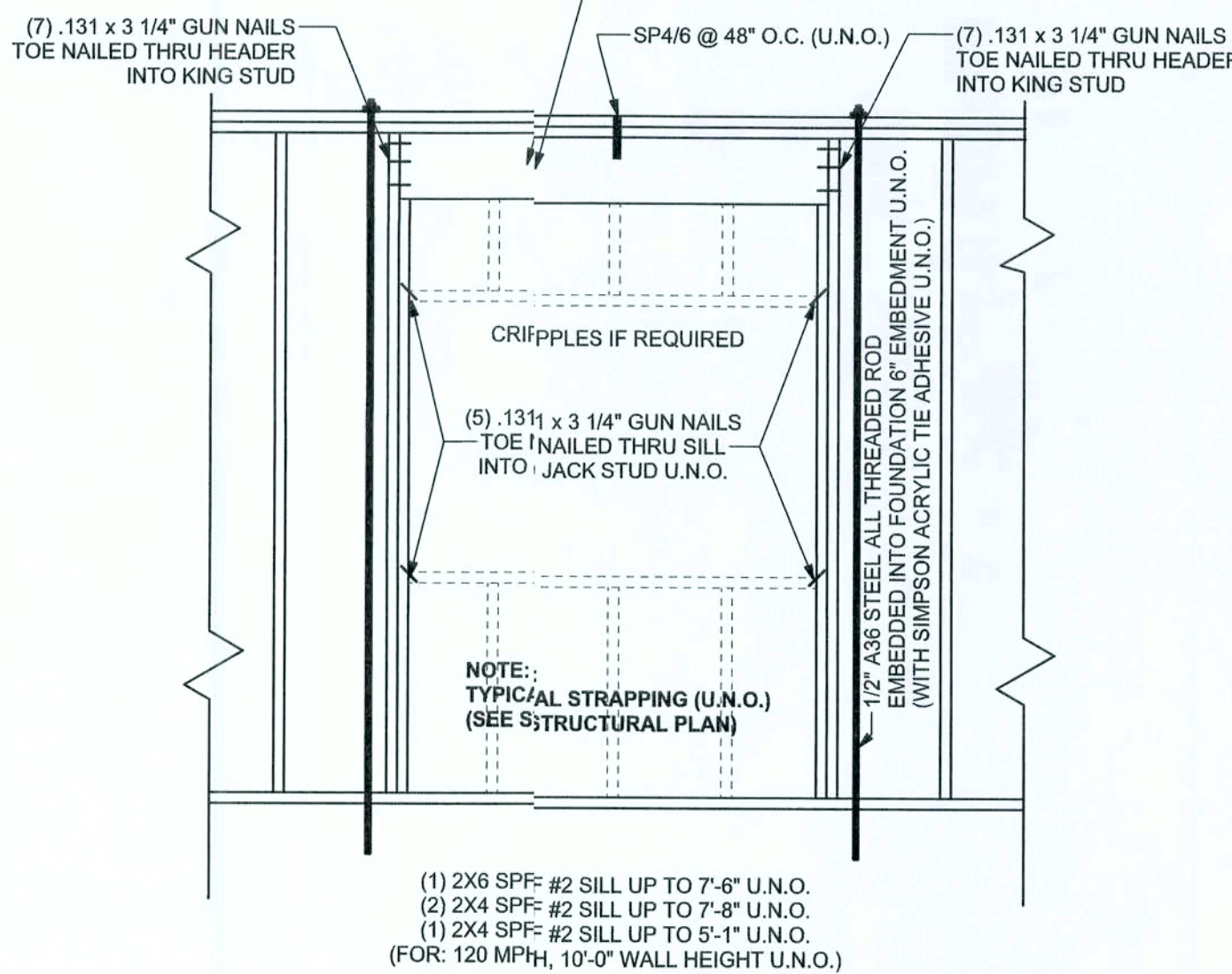
TYPICAL GABLE END (X-BRACING)

ALL MEMBERS SHALL BE SYP



NOTE: IF TRUSS TO WALL STRAPS ARE NAILED TO THE HEADER THE SP4/6 @ 48" O.C. ARE NOT REQUIRED

FOR LESS THAN 1500 lb UPLIFT USE 2 X 2 X 1/8" WASHER FOR LESS THAN 3750 lb UPLIFT USE 3 X 3 X 1/8" WASHER



TYPICAL 1 STORY HEADER STRAPPING DETAIL

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

ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

UPLIFT LBS. SYP	UPLIFT LBS. SPF	TRUSS CONNECTOR*	TO PLATES	TO RAFTER/TRUSS	TO STUDS
< 420	< 245	H5A	3-8d	3-8d	
< 455	< 265	H5	4-8d	4-8d	
< 360	< 235	H4	4-8d	4-8d	
< 455	< 320	H3	4-8d	4-8d	
< 415	< 365	H2.5	5-8d	5-8d	
< 600	< 535	H2.5A	5-8d	5-8d	
< 950	< 820	H6	8-8d	8-8d	
< 745	< 565	H8	5-10d, 1 1/2"	5-10d, 1 1/2"	
< 1465	< 1050	H14-1	13-8d	12-8d, 1 1/2"	
< 1465	< 1050	H14-2	15-8d	12-8d, 1 1/2"	
< 990	< 850	H10-1	8-8d, 1 1/2"	8-8d, 1 1/2"	
< 780	< 655	H10-2	8-10d	8-10d	
< 1470	< 1265	H16-1	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1470	< 1265	H16-2	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1000	< 860	MTS24C	7-10d 1 1/2"	7-10d 1 1/2"	
< 1450	< 1245	HTS24	12-10d 1 1/2"	12-10d 1 1/2"	
< 2900	< 2490	2 - HTS24			
< 2050	< 1785	LGT2	14 - 16d	14 - 16d	
HEAVY GIRDER TIEDOWNS*			TO FOUNDATION		
< 3965	< 3330	MG1		22 - 10d	1-5/8" THREADED ROD 12" EMBEDMENT
< 10980	< 6485	HGT-2		16 - 10d	2-5/8" THREADED ROD 12" EMBEDMENT
< 10530	< 9035	HGT-3		16 - 10d	2-5/8" THREADED ROD 12" EMBEDMENT
< 9250	< 9250	HGT-4		16 - 10d	2-5/8" THREADED ROD 12" EMBEDMENT
STUD STRAP CONNECTOR*			TO STUDS		
< 435	< 435	SSP DOUBLE TOP PLATE	3 - 10d		4 - 10d
< 455	< 420	SSP SINGLE SILL PLATE	1 - 10d		4 - 10d
< 825	< 825	DSP DOUBLE TOP PLATE	6 - 10d		8 - 10d
< 825	< 600	DSP SINGLE SILL PLATE	2 - 10d		8 - 10d
< 885	< 760	SP4		8 - 10d, 1 1/2"	
< 1240	< 1065	SPH4		10 - 10d, 1 1/2"	
< 885	< 760	SP6		8 - 10d, 1 1/2"	
< 1240	< 1065	SPH6		10 - 10d, 1 1/2"	
< 1235	< 1165	LST18	14 - 10d		
< 1235	< 1235	LST21	16 - 10d		
< 1030	< 1030	CS20	18 - 8d		
< 1705	< 1705	CS16	28 - 8d		
STUD ANCHORS*			TO STUDS		
< 1350	< 1305	LTT19	8 - 16d		1/2" AB
< 2310	< 2310	LTT31	18 - 10d, 1 1/2"		1/2" AB
< 2775	< 2570	H20A	2-5/8" BOLTS		5/8" AB
< 4175	< 3695	HTT16	18 - 16d		5/8" AB
< 1400	< 1400	PAHD42	16 - 16d		
< 3335	< 3335	HPAHD22	16 - 16d		
< 2200	< 2200	ABU44	12 - 16d		1/2" AB
< 2300	< 2300	ABU66	12 - 16d		1/2" AB
< 2320	< 2320	ABU88	18 - 16d		2-5/8" AB

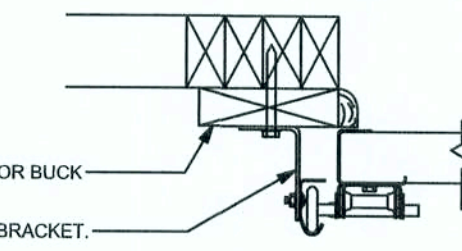
GRADE & SPECIES TABLE

		Fb (psi)	E (10 ⁶ psi)
2x8	SYP #2	1200	1.6
2x10	SYP #2	1050	1.6
2x12	SYP #2	975	1.6
GLB	24F-V3 SP	2400	1.8
LSL	TIMBERSTRAND	1700	1.7
LVL	MICROLAM	2900	2.0
PSL	PARALAM	2900	2.0

2x6 SYP #2 GARAGE DOOR BUCK ATTACHMENT

ATTACH GARAGE DOOR BUCK TO STUD PACK AT EACH SIDE OF DOOR OPENING WITH 3/8"x4" LAG SCREWS w/ 1" WASHER. LAG SCREWS MAY BE COUNTERSUNK. HORIZONTAL JAMBS DO NOT TRANSFER LOAD. CENTER LAG SCREWS OR STAGGER 16d NAILS OR (2) ROWS OF .131 x 3 1/4" ON PER TABLE BELOW:

DOOR WIDTH	3/8" x 4" LAG	16d STAGGER	(2) ROWS OF .131 x 3 1/4" GN
8' - 10'	24" O.C.	5" O.C.	5" O.C.
11' - 15'	18" O.C.	4" O.C.	4" O.C.
16' - 18'	16" O.C.	3" O.C.	3" O.C.



GARAGE DOOR BUCK INSTALLATION DETAIL

SCALE: N.T.S.

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCR 2004. TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEALED BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY TO VERIFY THE TRUSS DESIGNER FULLY SATISFIED ALL THE ABOVE REQUIREMENTS AND 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; 2X6 RAFTERS 700 LB EACH END.

SITE PREPARATION: SITE ANALYSIS AND PREPARATION IS NOT PART OF THIS PLAN

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

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS, F_c = 3000 PSI.

WELDED WIRE REINFORCED SLAB: 6" x 6" W1.4 x W1.4, FB = 89KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.M.) CONFORMING TO ASTM A185, LOCATED IN MIDDLE OF THE SLAB; SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 3'.

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTH 1/2 INCH TO 2 INCHES. DOSAGE AMOUNTS FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD PER THE MANUFACTURER'S RECOMMENDATIONS. FIBERS TO COMPLY WITH ASTM C 1116. SUPPLIER TO PROVIDE ASTM C 1116 CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY BUILDING OFFICIAL.

CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH / WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT CUT WYM OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

REBAR: ASTM A 615, GRADE 60, DEFORMED BARS, F_y = 60 KSI, ALL LAP SPLICES 40" DB (25" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILD AND PLACED IN ACCORDANCE WITH ACI 315-96, U.N.O.

GLULAM BEAMS: GLULAM BEAM, GLB, 24F-V3SP, F_b = 2,484, E = 1800ksi; UNO. SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING CALCS.

ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGMS; 7/16" OSB SHEATHING, UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, OVER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES STAGGERED, FASTENED WITH 8d COMMON NAILS (131), 6" O.C. PANEL EDGES, 12" O.C. INTERMEDIATE MEMBERS, GABLE ENDS AND DIAPHRAGM BOUNDARY, 4" O.C. UNO.

STRUCTURAL CONNECTORS: MANUFACTURERS AND PRODUCT NUMBER FOR CONNECTORS, ANCHORS, AND REINFORCEMENT ARE LISTED FOR EXAMPLE NOT ENDORSEMENT. AN EQUIVALENT DEVICE OF THE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED FOR ANY DEVICES LISTED IN 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 ANCHOR BOLTS WITH MINIMUM EMBEDMENT AS SPECIFIED IN DRAWINGS BUT NO LESS THAN 7" IN CONCRETE OR REINFORCED CONCRETE OR 15" IN GROUDED CMU.

WASHERS: WASHERS USED WITH 1/2" BOLTS TO BE 2" x 2" x 9/64"; WITH 5/8" BOLTS TO BE 3" x 3" x 9/64"; WITH 3/4" BOLTS TO BE 3" x 3" x 9/64"; WITH 7/8" BOLTS TO BE 3" x 3" x 5/16"; UNO.

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

BUILDER'S RESPONSIBILITY

THE BUILDER AND OWNER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH ARE SPECIFICALLY NOT PART OF THE WIND LOAD ENGINEER'S SCOPE OF WORK.

CONFIRM SITE CONDITIONS, FOUNDATION BEARING CAPACITY, GRADE AND BACKFILL HEIGHT, WIND SPEED AND DEBRIS ZONE, AND FLOOD ZONE.

PROVIDE MATERIALS AND CONSTRUCTION TECHNIQUES, WHICH COMPLY WITH FBCR 2004 REQUIREMENTS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES.

PROVIDE A CONTINUOUS LOAD PATH FROM TRUSSES TO FOUNDATION. IF YOU BELIEVE THE PLAN OMMITS A CONTINUOUS LOAD PATH CONNECTION, CALL THE WIND LOAD ENGINEER IMMEDIATELY.

VERIFY THE TRUSS MANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS.

ROOF SYSTEM DESIGN

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR 2004, SECTION R301.2.1 IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD 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 FBCR 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 WIND LOAD 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.

DESIGN DATA

WIND LOADS PER FLORIDA BUILDING CODE 2004 RESIDENTIAL, SECTION R301.2.1

(ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED, OR GABLE ROOFS; MEAN ROOF HEIGHT NOT EXCEEDING LEAST HORIZONTAL DIMENSION OR 60 FT; NOT ON UPPER HALF OF HILL OR ESCARPMENT 60 FT IN EXP. B, 30 FT IN EXP. C AND >10% SLOPE AND UNOBSTRUCTED UPWIND FOR 50x HEIGHT OR 1 MILE WHICHEVER IS LESS.)

BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE

BUILDING IS NOT IN THE WIND-BORNE DEBRIS REGION

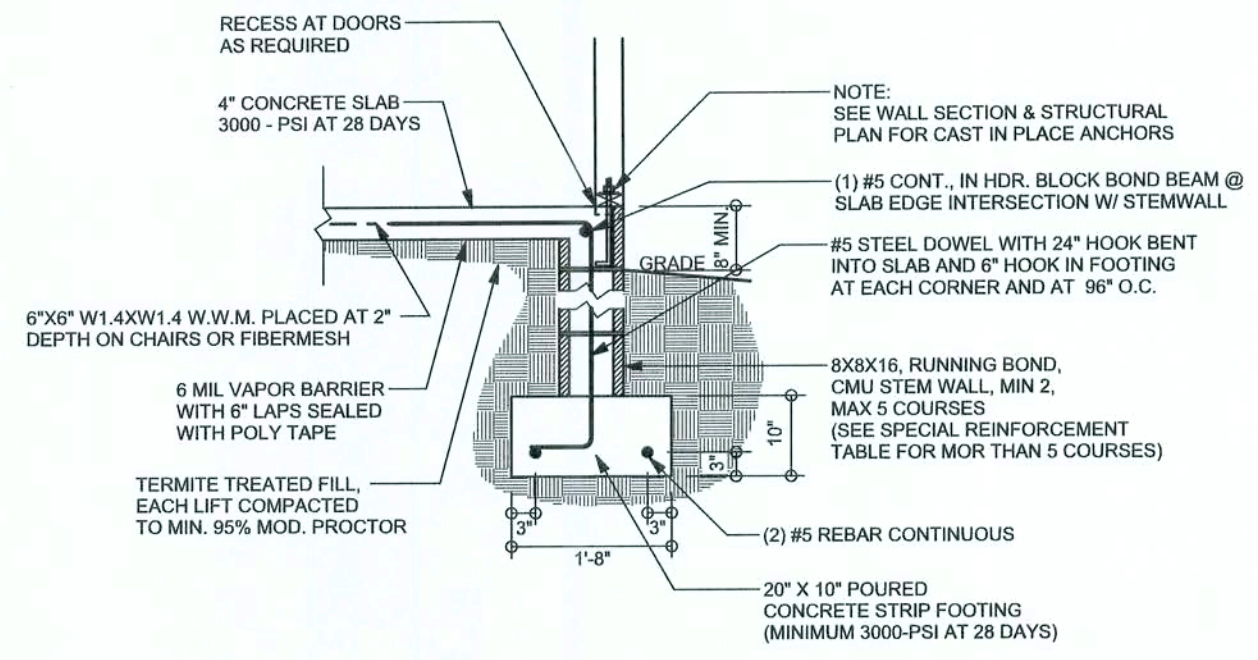
- 1) BASIC WIND SPEED = 110 MPH
- 2) WIND EXPOSURE = B
- 3) WIND IMPORTANCE FACTOR = 1.0
- 4) BUILDING CATEGORY = II
- 5) ROOF ANGLE = 10-45 DEGREES
- 6) MEAN ROOF HEIGHT = <30 FT
- 7) INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)
- 8) COMPONENTS AND CLADDING DESIGN WIND PRESSURES (TABLE R301.2(2))

Zone	Effective Wind Area (ft ²)		
1	19.9 -21.8	18.1	-18.1
2	19.9 -25.5	18.1	-21.8
2 Onq		-40.6	-40.6
3	19.9 -25.5	18.1	-21.8
3 Onq		-68.3	-42.4
4	21.8 -23.6	18.5	-20.4
5	21.8 -29.1	18.5	-22.6
Doors & Windows		21.8	-29.1
Worst Case (Zone 5, 10 ft ²)			
8x7 Garage Door		19.5	-22.9
16x7 Garage Door		18.5	-21.0

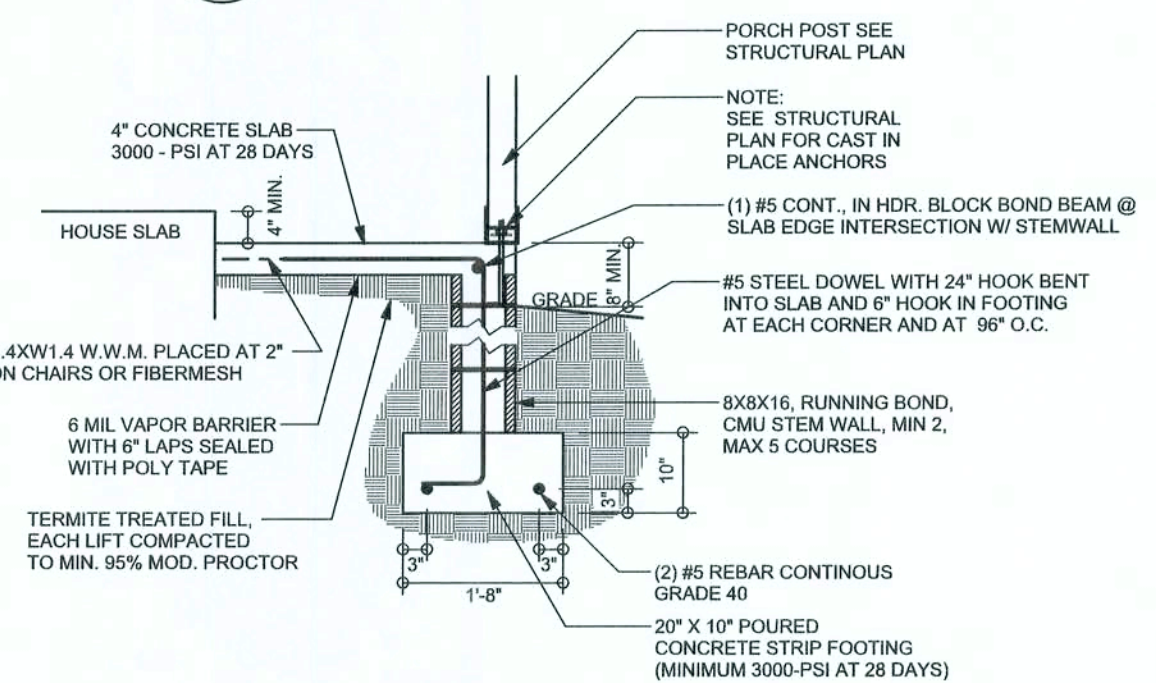
FLOOR	40 PSF (ALL OTHER DWELLING ROOMS)
	30 PSF (SLEEPING ROOMS)
	30 PSF (ATTICS WITH STORAGE)
	10 PSF (ATTICS WITHOUT STORAGE, <3:12)
ROOF	20 PSF (FLAT OR <4:12)
	16 PSF (4:12 TO <12:12)
	12 PSF (12:12 AND GREATER)
STAIRS	40 PSF (ONE & TWO FAMILY DWELLINGS)
SOIL BEARING CAPACITY	1000PSF
NOT IN FLOOD ZONE (BUILDER TO VERIFY)	

REVISIONS		

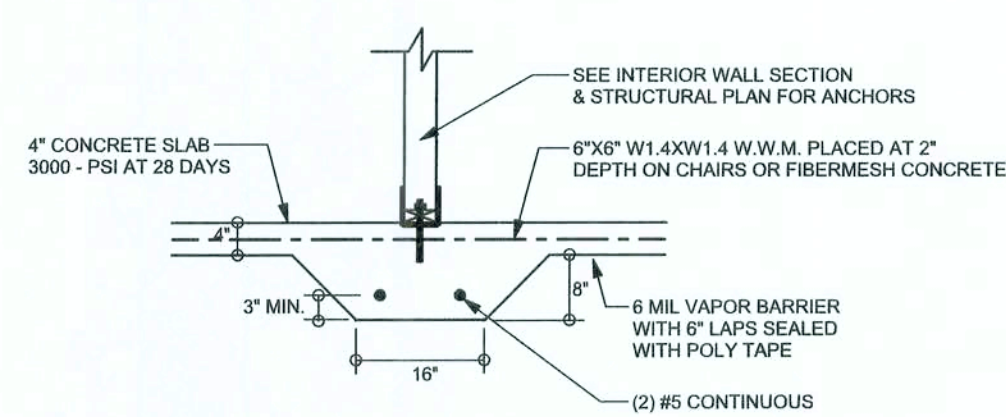
SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE



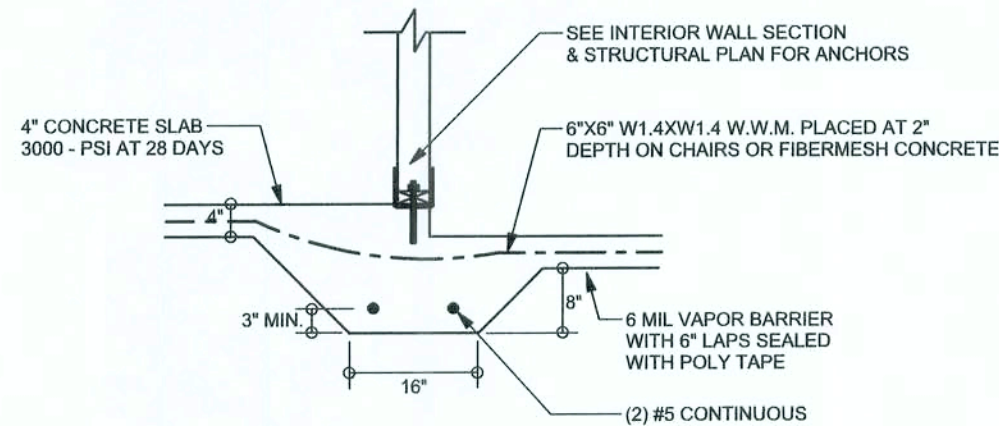
F9
S-2 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"



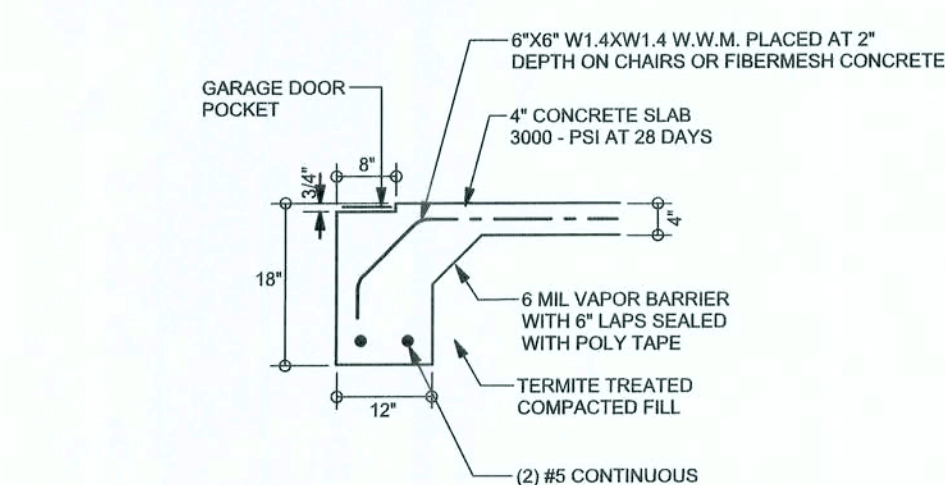
F12
S-2 ALT. STEM WALL PORCH FOOTING
SCALE: 1/2" = 1'-0"



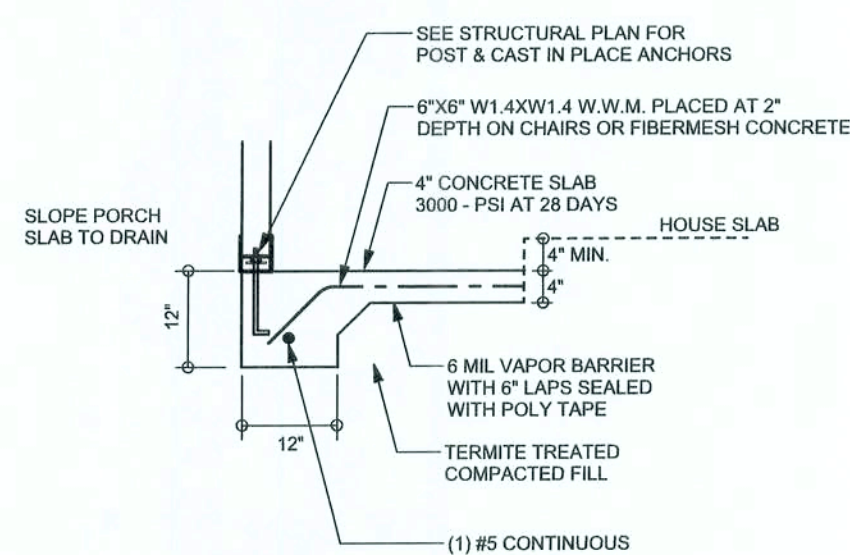
F2
S-2 INTERIOR BEARING FOOTING
SCALE: 1/2" = 1'-0"



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



F4
S-2 GARAGE DOOR FOOTING
SCALE: 1/2" = 1'-0"

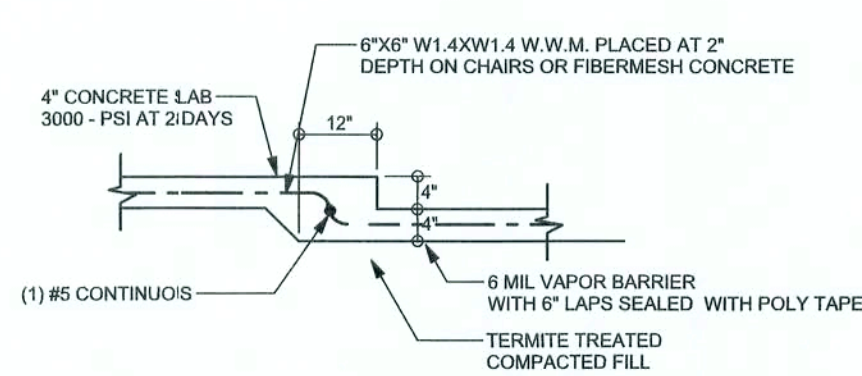


F5
S-2 PORCH FOOTING
SCALE: 1/2" = 1'-0"

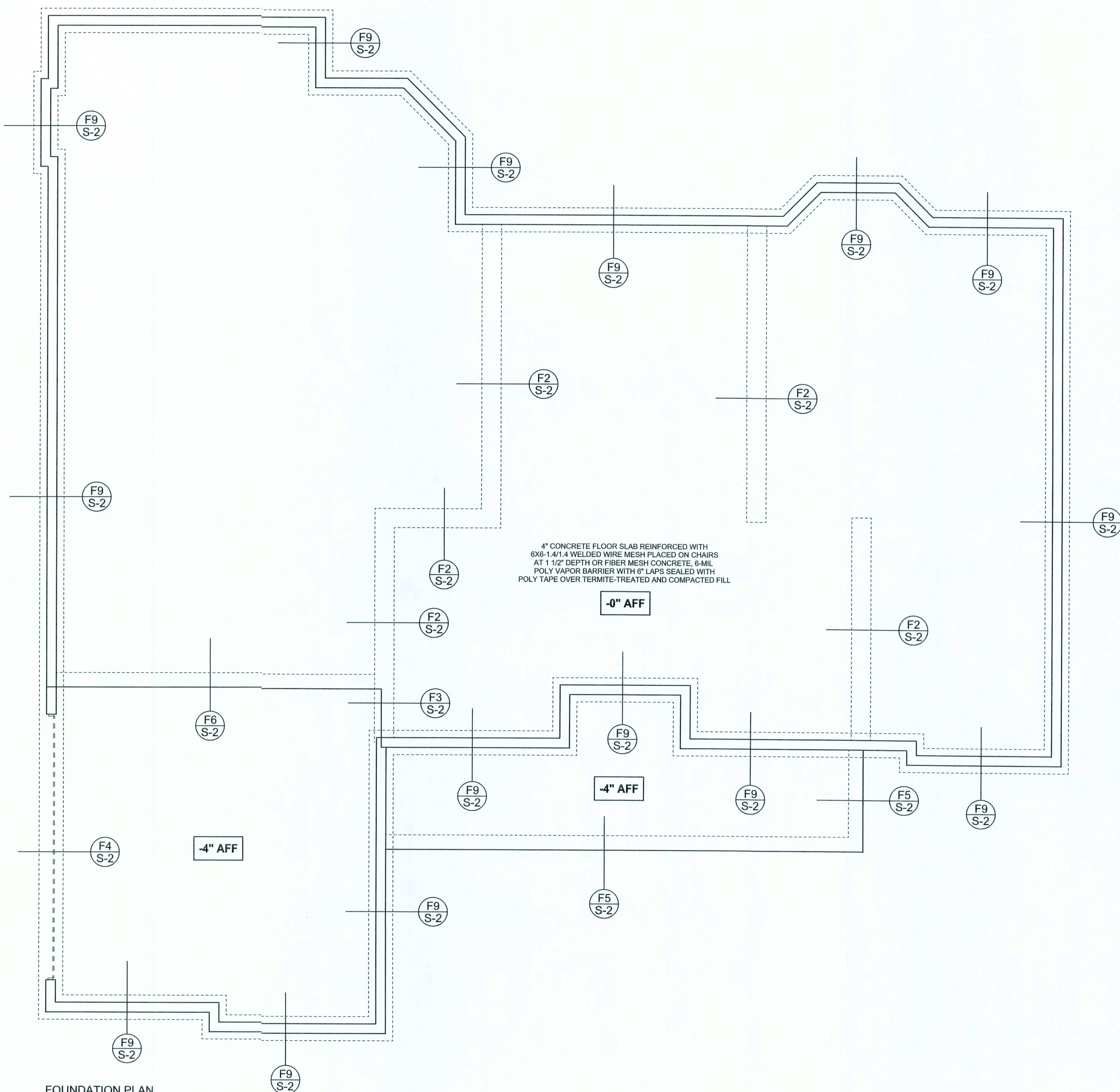
TALL STEMWALL TABLE

The table assumes 60 kse 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 pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Durowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 1#5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

STEMWALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEMWALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEMWALL (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



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



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 Discosway,
PE No.53915, POB 868, Lake City, FL
32056, 386-754-5419

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

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form or manner without the express written
permission and consent of Mark Discosway.

CERTIFICATION: I hereby certify that I have
examined this plan, and find the applicable
portions of the plan, relating to wind engineering
comply with section F301.21, Florida building
code residential 2004, to the best of my
knowledge.

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

MARK DISCOSWAY
P.E. 53915

25 AUG 06
SEAL

Blake Construction

Spec House
Lot 18 Country Lake
in Woodbough S/D
Phase I

ADDRESS:
Lot 18 Country Lake
in Woodbough SD Phase I
Columbia County, Florida

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

PRINTED DATE:
August 25, 2006

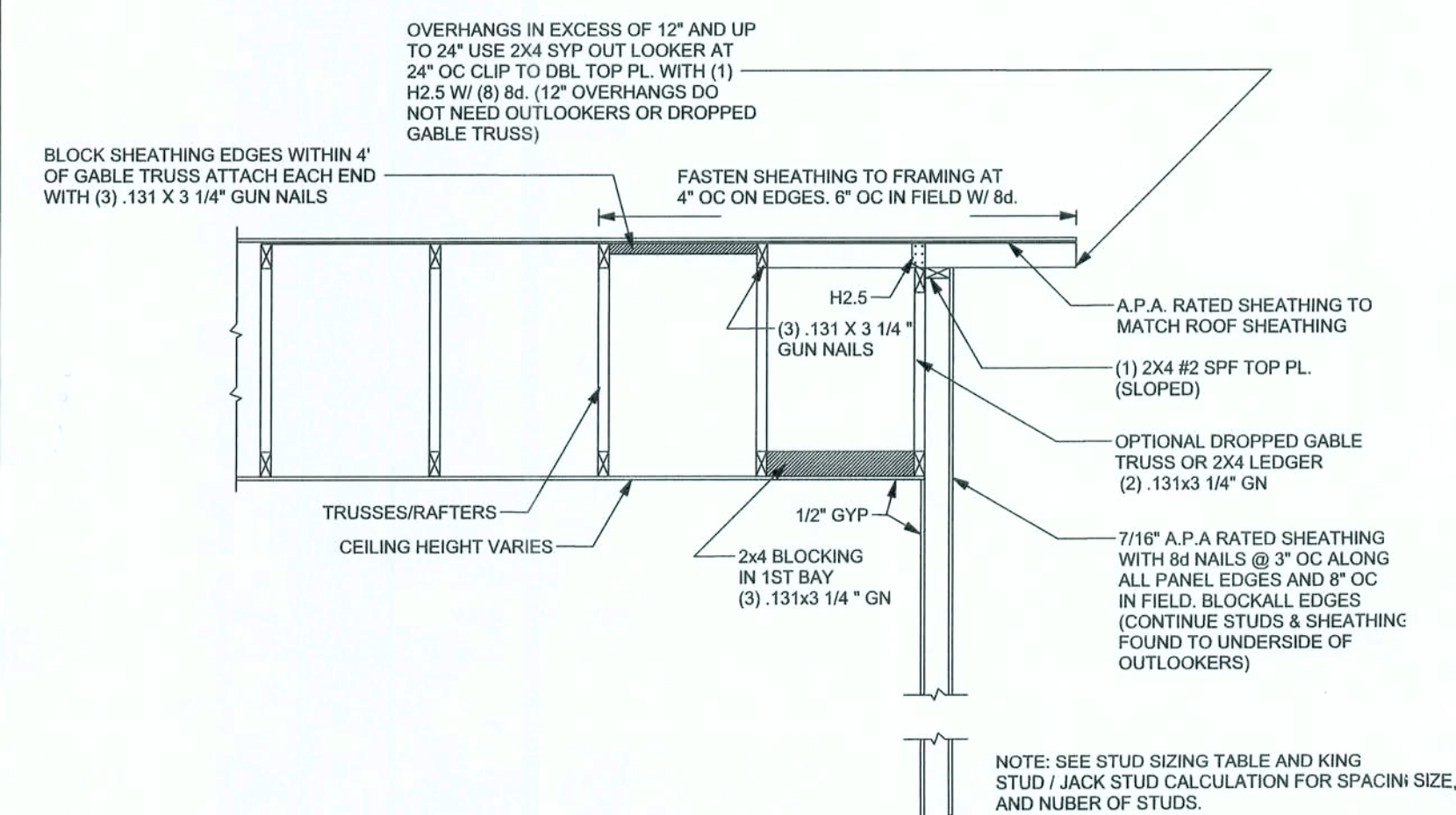
DRAWN BY: STRUCTURAL BY:
David Discosway

FINALS DATE:
24 / Aug / 06

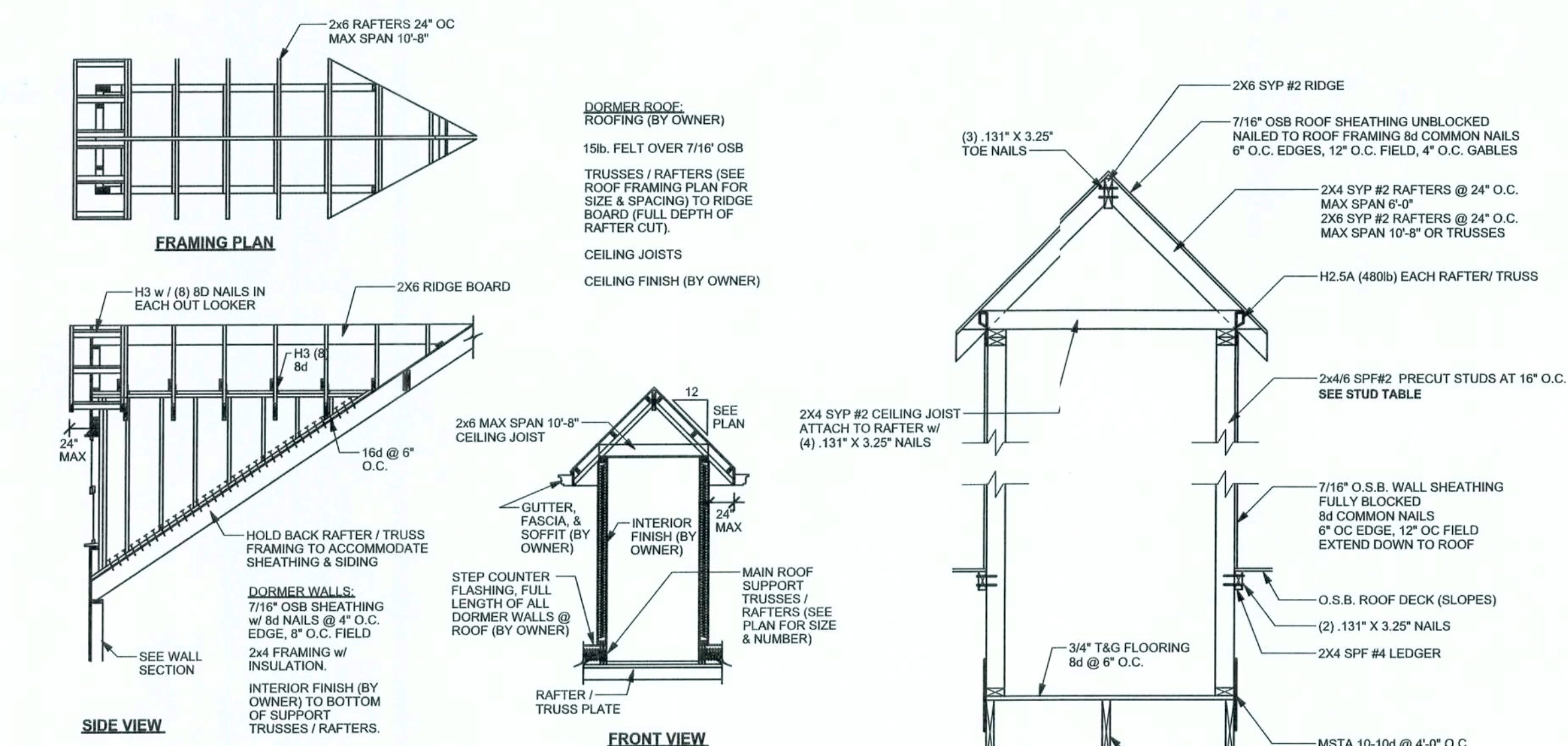
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608155
DRAWING NUMBER

S-2

OF 3 SHEETS

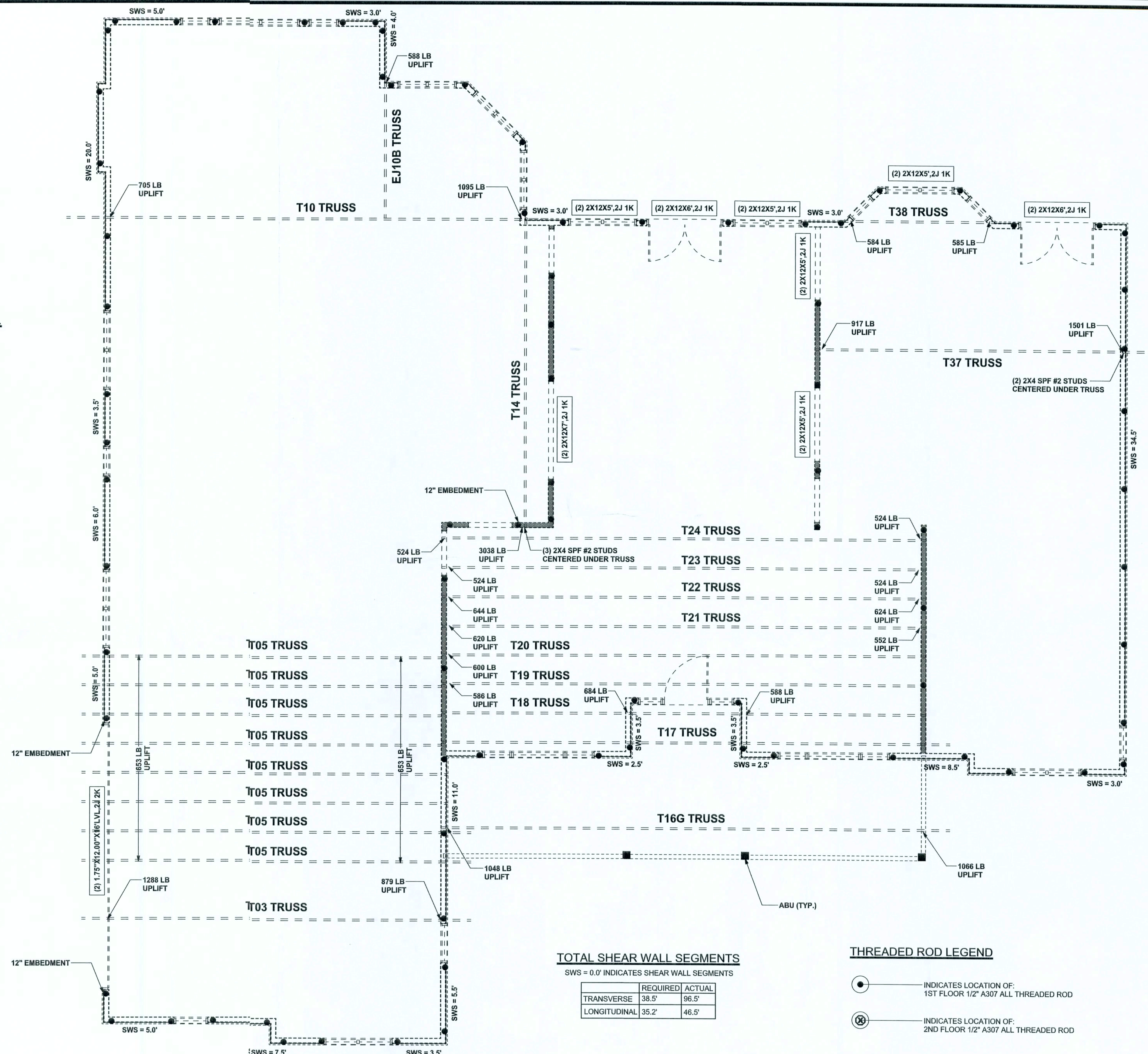


GABLE END WALL BALLOON FRAMING DETAIL
SCALE: 1/2" = 1'-0"



DORMER ANCHORING DETAIL (ON ROOF)
SCALE: N.T.S.

DORMERANCHORING DETAIL (ON FLOOR)
SCALE: N.T.S.



TOTAL SHEAR WALL SEGMENTS
SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	38.5'	96.5'
LONGITUDINAL	35.2'	46.5'

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) 2X12X0', 1J 1K
- HEADER/BEAM CALL-OUT (U.N.O.)
 - NUMBER OF KING STUDS (FULL LENGTH)
 - NUMBER OF JACK STUDS (UNDER HEAD)
 - SPAN OF HEADER
 - SIZE OF HEADER MATERIAL
 - NUMBER OF PLIES IN HEADER

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

CONNECTIONS, WALL, & HEADER DESIGN IS BASED
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING
FURNISHED BY BUILDERS FIRST SOURCE
JOB #L207624

REVISIONS	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER: Mark Disosway,
PE No.53915, POB 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 R301.1, 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

1

25 AUG 06 /
SEAL

Blake Construction

Spec House
Lot 18 Country Lake
in Woodbough S/D
Phase I

ADDRESS:
 Lot 18 Country Lake
 Woodbough 5/D Phase I
 Columbia County, Florida

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Fax: (386) 269 - 4871

PRINTED DATE:
August 25, 2006

DRAWN BY:	STRUCTURAL BY: David Disosway
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FINALS DATE: 24 / Aug / 06	
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JOB NUMBER:
608155

DRAWING NUMBER

S-3

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