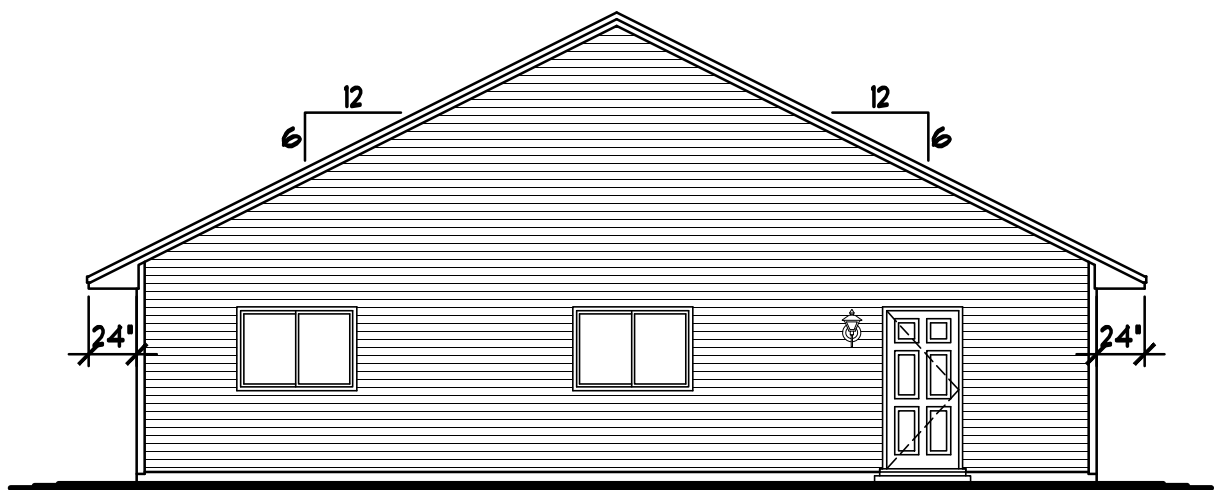
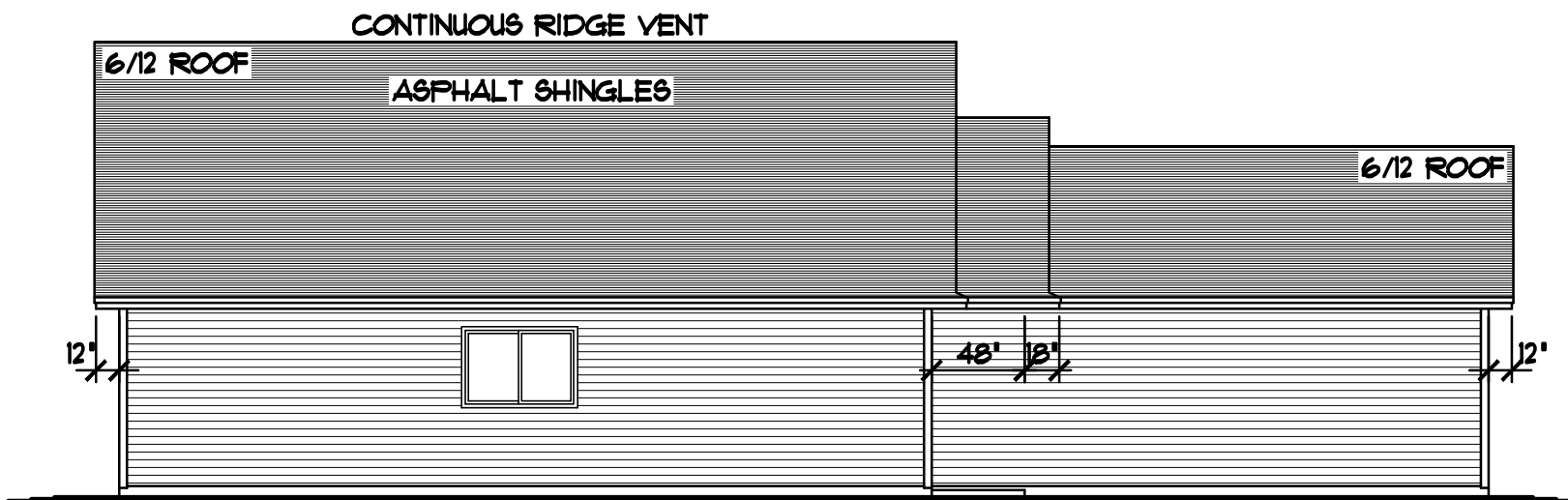
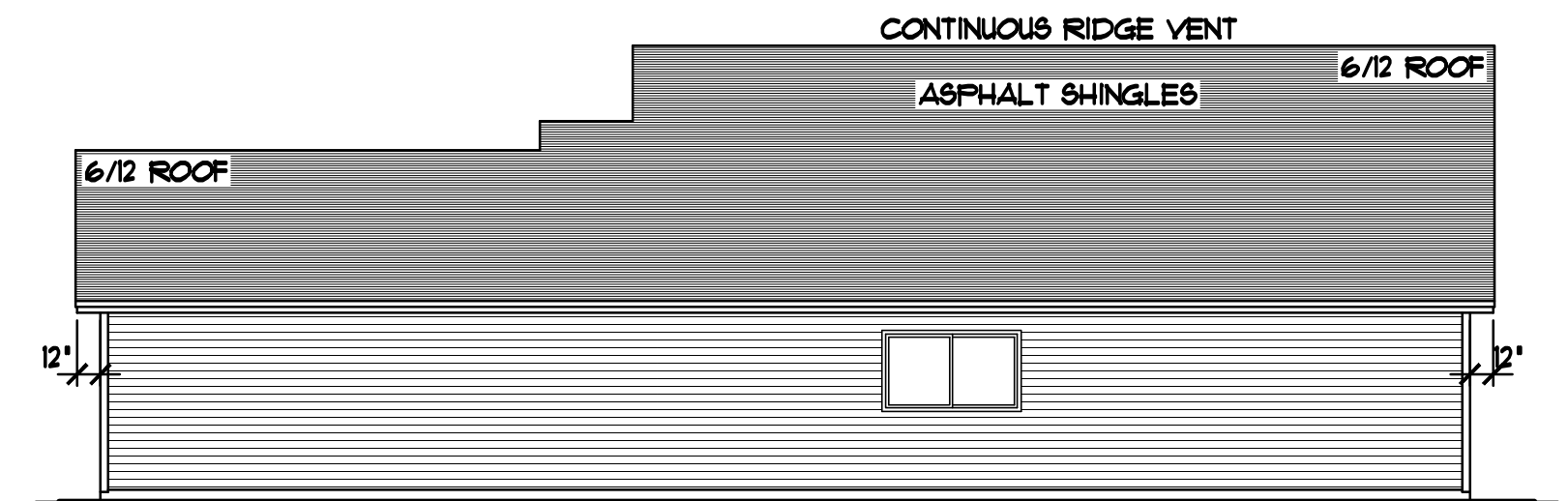




REAR ELEVATION 1/8"=1'-0"



LEFT ELEVATION 1/8"=1'-0"



RIGHT ELEVATION 1/8"=1'-0"

WINDOW and DOOR
PERFORMANCE DATA
U-VALUE / SHGC

① GLIDER UNIT	U-VALUE = 0.30	SHGC = 0.34
② CASEMENT UNIT	U-VALUE = 0.29	SHGC = 0.30
③ FIXED/PICTURE UNIT	U-VALUE = 0.28	SHGC = 0.31
④ SLIDING PATIO DOOR	U-VALUE = 0.28	SHGC = 0.34
⑤ METAL INSUL'D. ENTRY DOOR	U-VALUE = 0.17	SHGC = 0.06

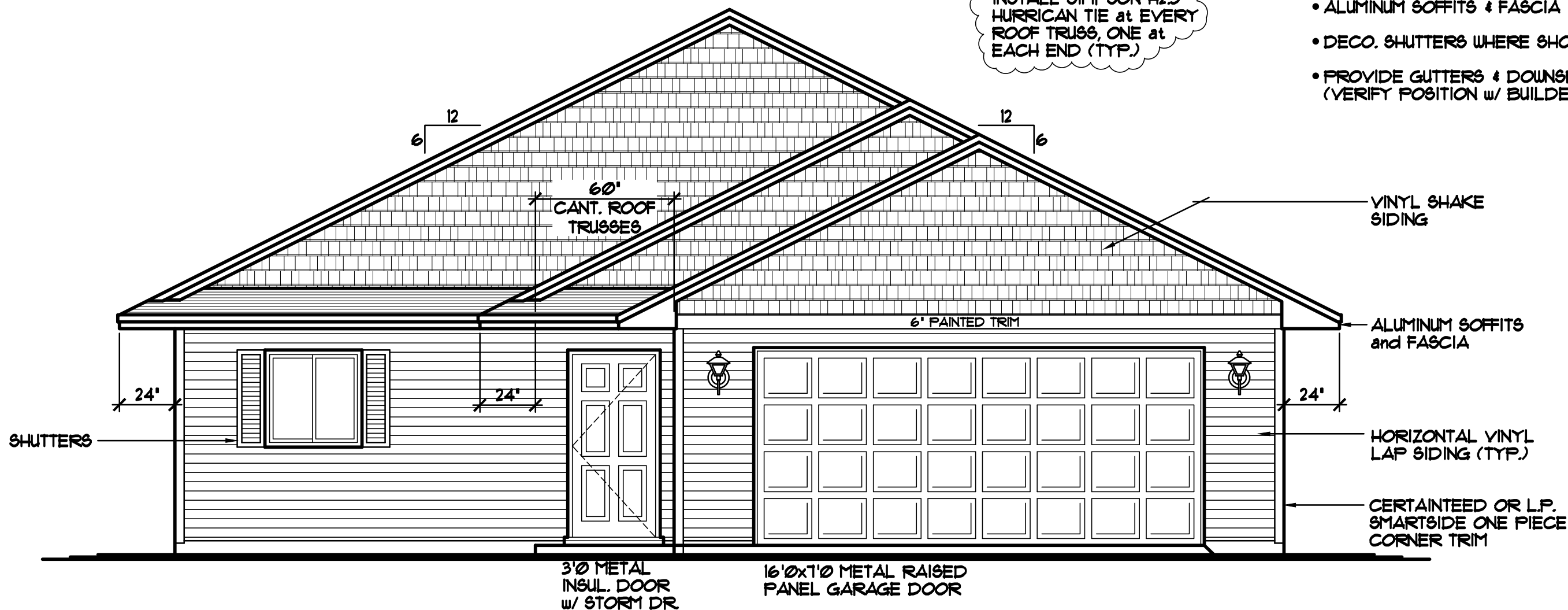
NOTE III
CANT. ROOF TRUSSES
5'-0" PLUS 24" OVER
HANG @ FRONT PORCH

NOTE III
PROVIDE 12" HEEL
• ALL ROOF TRUSSES
UNLESS NOTED OTHERWISE

NOTE III
INSTALL SIMPSON H2S
HURRICAN TIE at EVERY
ROOF TRUSS, ONE at
EACH END (TYP.)

LEVEL	R.C.H.	TOP OF RO.
MAIN LEVEL	8'-1 1/8"	6'-10 1/2"

- THERMO-TECH WINDOW SIZES SPEC'D.
- VINYL SIDING (TYP.)
- CERTAINTED OR L.P. SMARTSIDE ONE
PIECE CORNER TRIM
- VINYL SHAKE SIDING WHERE SHOWN
- ALUMINUM SOFFITS & FASCIA
- DECO. SHUTTERS WHERE SHOWN
- PROVIDE GUTTERS & DOWNSPOUT
(VERIFY POSITION w/ BUILDER)



FRONT ELEVATION 1/4"=1'-0"
1400 SQFT. MAIN LEVEL

THE:
BIRCHWOOD PLAN
KITCHEN RIGHT - S.O.G.

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MILLE LACS BAND of OJIBWE

DRAWN
L.V.

CHECKED

DATE:

06/26/2017

SCALE:

AS NOTED

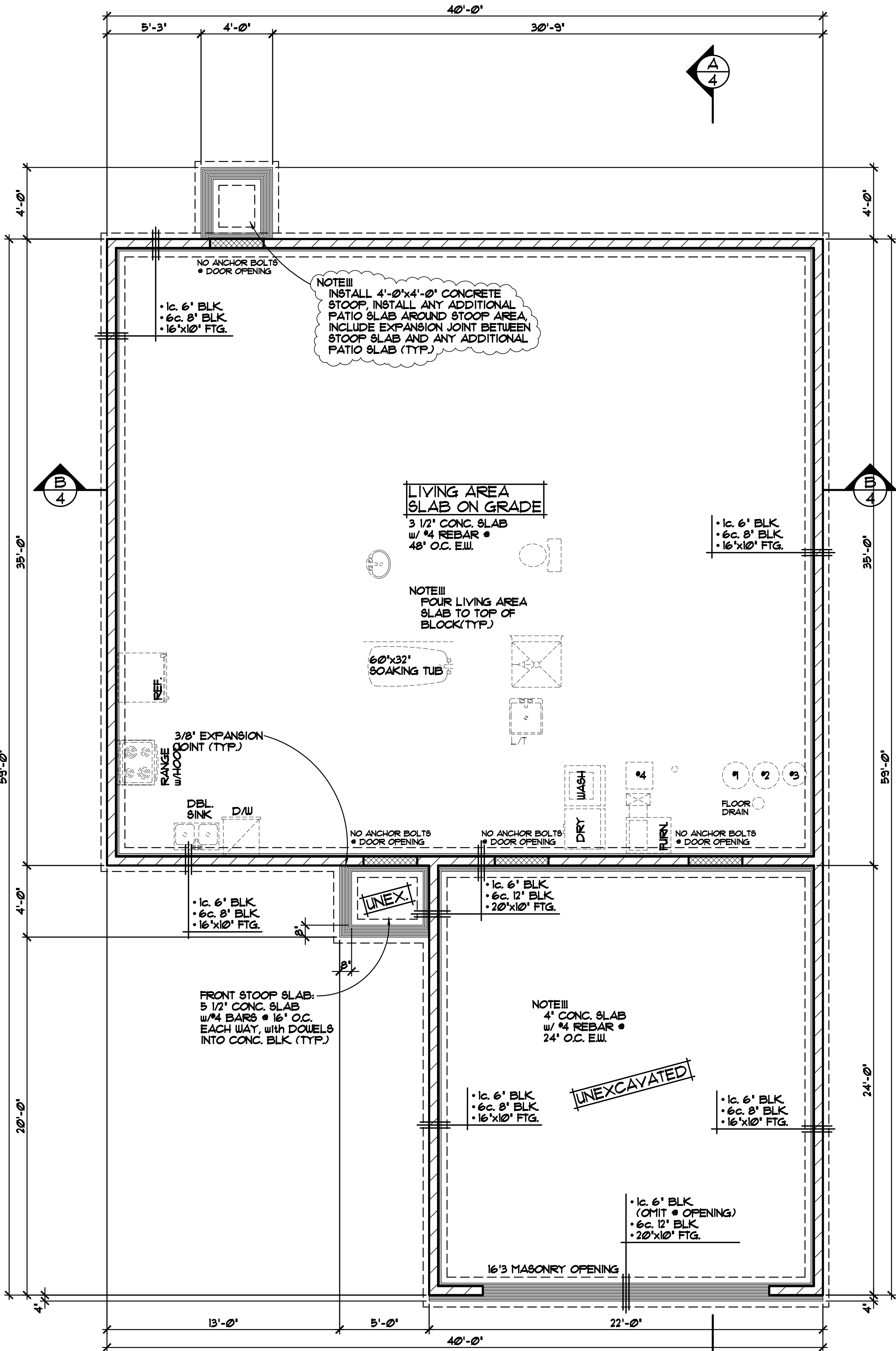
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OF 7



FOUNDATION PLAN 1/4"=1'-0"

ALL HEIGHT CALCULATIONS FOR FOUNDATIONS ARE BASED ON THE USE OF FULL 8" HIGH BLOCK w/ 3/8" JOINTS. IF MODULAR BLOCK IS USED, CONTRACTORS SHOULD ADJUST HEIGHTS ACCORDINGLY.

MECH. NOTES!!!

- 1 - WATER HEATER
- 2 - WATER SOFTENER
- 3 - WELL PRESSURE TANK
- 4 - HEAT RECOVERY VENTILATOR SUMP BASKET BELOW (VERIFY)
- 5 - RADON PIPE
- 6 - ELECTRIC PANEL
- 7 - LOW VOLTAGE PANEL

FOUNDATION CONST. NOTES

- TOP COURSE OF BLK. to be CONC. BOND BEAM with (2) #4 BARS (TYP.)
- PROVIDE 2" R10 FOAM BOARD INSULATION • EXTERIOR FOUNDATION WALLS & 1" R5 FOAM BOARD INSULATION AT INTERIOR SIDE OF FOUNDATION WALLS (TYP.)
- PROVIDE 2" R10 FOAM BOARD BELOW SLAB (TYP.)
- INSULATION & AIR BARRIER TO BE CONT. OVER TOP OF FOUNDATION WALLS (TYP.)
- PROVIDE (2) #4 RE-BAR CONTINUOUS THROUGH CONC. FOUNDATION FOOTINGS
- TOP OF MAIN LEVEL SLAB HELD UP TO TOP OF FOUNDATION WALL (TYP.)

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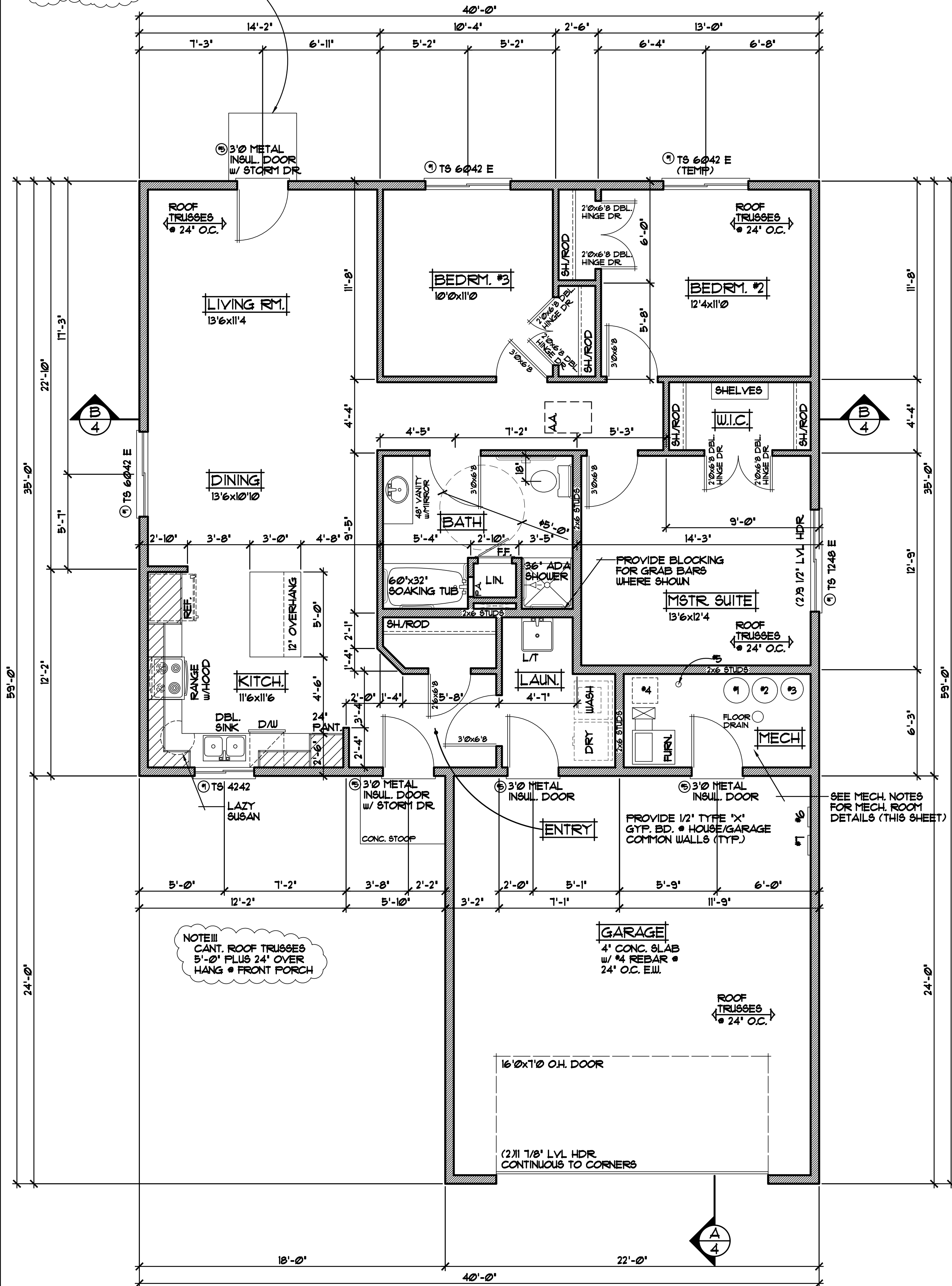
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27
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NOTE!!!
INSTALL 4'-0"x4'-0" CONCRETE
STOOP. INSTALL ANY ADDITIONAL
PATIO SLAB AROUND STOOP AREA.
INCLUDE EXPANSION JOINT BETWEEN
STOOP SLAB AND ANY ADDITIONAL
PATIO SLAB (TYP.)



NOTE!!!
PROVIDE 12" HEEL
• ALL ROOF TRUSSES
UNLESS NOTED OTHERWISE

NOTE!!!
INSTALL SIMPSON H2.5
HURRICAN TIE at EVERY
ROOF TRUSS, ONE at
EACH END (TYP.)

MECH. NOTES!!!

- #1 - WATER HEATER
- #2 - WATER SOFTENER
- #3 - WELL PRESSURE TANK
- #4 - HEAT RECOVERY VENTILATOR
SUMP BASKET BELOW (VERIFY)
- #5 - RADON PIPE
- #6 - ELECTRIC PANEL
- #7 - LOW VOLTAGE PANEL

FRAMING & CONST. NOTES

- 8'-1 1/8" PLATE HEIGHT • ENTIRE MAIN LEVEL (UNLESS NOTED OTHERWISE)
- 8'-1 1/8" PLATE HEIGHT • GARAGE FROM ENTRY LEVEL SUB FLOOR
- FRAME ALL GARAGE WALLS w/ 2x6 STUDS @ 16" O.C. (TYP.)
- PROVIDE DOUBLE HINGED DOORS • BEDROOM CLOSETS, VERIFY w/ SELECTION SHEET THAT HOME HAS DOORS, NOT SHEET ROCK OPENINGS

DOOR & WINDOW NOTES

- THERMO-TECH WINDOWS SPECIFIED, VERIFY ROUGH OPENING SIZES FOR DOORS & WINDOWS w/ MANUFACTURER
- ALL WINDOW & DOOR OPENINGS TO HAVE (2.2x10 #2 GRADE HEADER or BETTER (UNLESS NOTED OTHERWISE)
- TOP OF RO. FOR ALL WINDOWS ON MAIN LEVEL TO BE 6'-10 1/2" FROM SUB-FLOOR (UNLESS NOTED OTHERWISE)

MAIN LEVEL FLOOR PLAN 1/4"=1'-0"
1400 SQ.FT.

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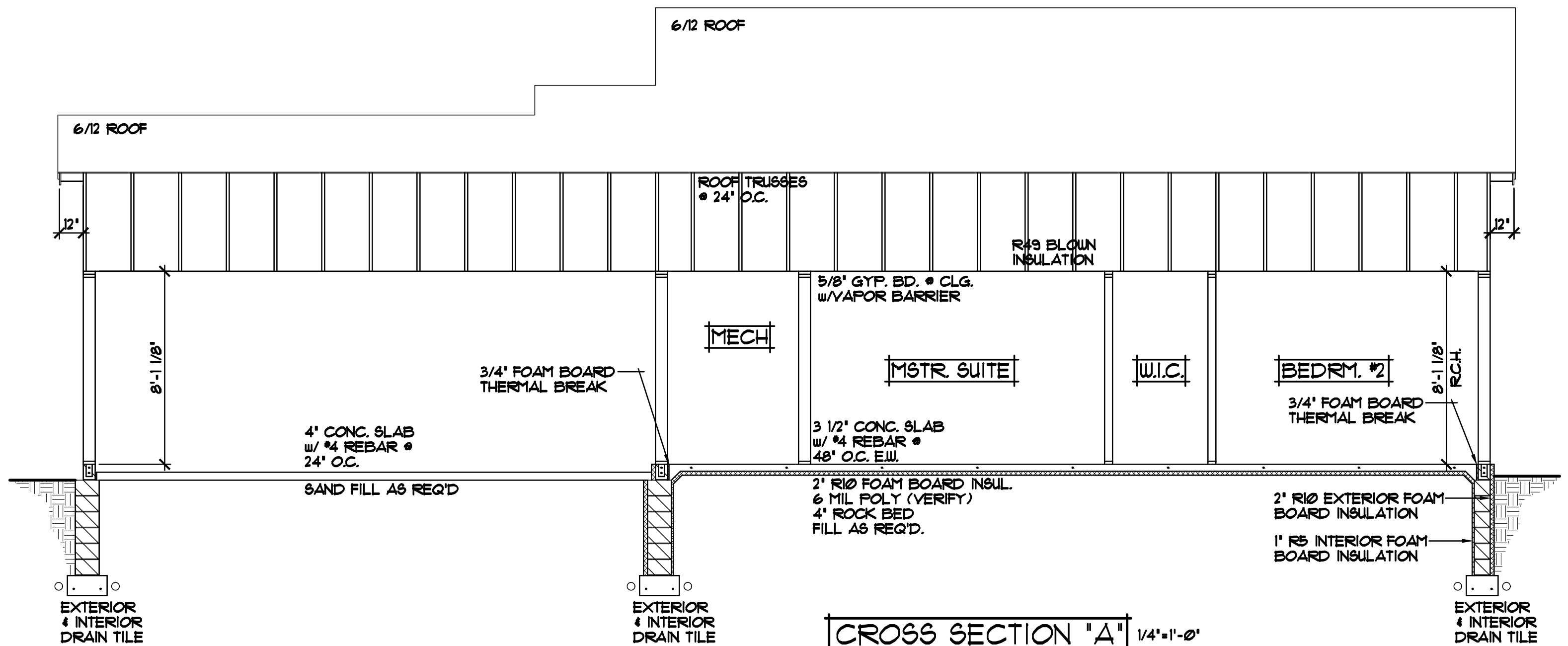
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7
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ROOF CONSTRUCTION:

- PREMANUFACTURED ROOF TRUSSES - ENGINEERED BY SUPPLIER - SLOPES VARY - SEE PLAN
- R49 BLOWN FIBERGLASS INSULATION
- 1/150 ROOF VENT AT SOFFITS, 1/150 VENT AT RIDGE
- AIR CHUTE AT EACH TRUSS SPACE
- 1/2" ROOF SHEATHING
- 15# ROOFING FELT
- ICE & WATER MEMBRANE APPLIED 24" FAST EXTERIOR WALL
- ASPHALT SHINGLES

SOFFIT / FASCIA:

- 2x6 SUB-FASCIA
- MAINTENANCE FREE FASCIA COVER
- MAINTENANCE FREE VENTED SOFFIT

WALL CONSTRUCTION:

- HOUSE WRAP
- 1/2" A.P.A. RATED PANEL SHEATHING
- 2x6 STUDS @ 16" O.C.
- WINDOWS PER SPEC'S
- R-21 FG. BATT INSULATION
- 6 MIL POLY VAPOR BARRIER
- 1/2" GYPSUM BOARD

SILL CONSTRUCTION:

- 2x6 SILL PLATE & SEALER
- 1/2" ANCHOR BOLTS @ 12" O.C.

FOUNDATION INSULATION:

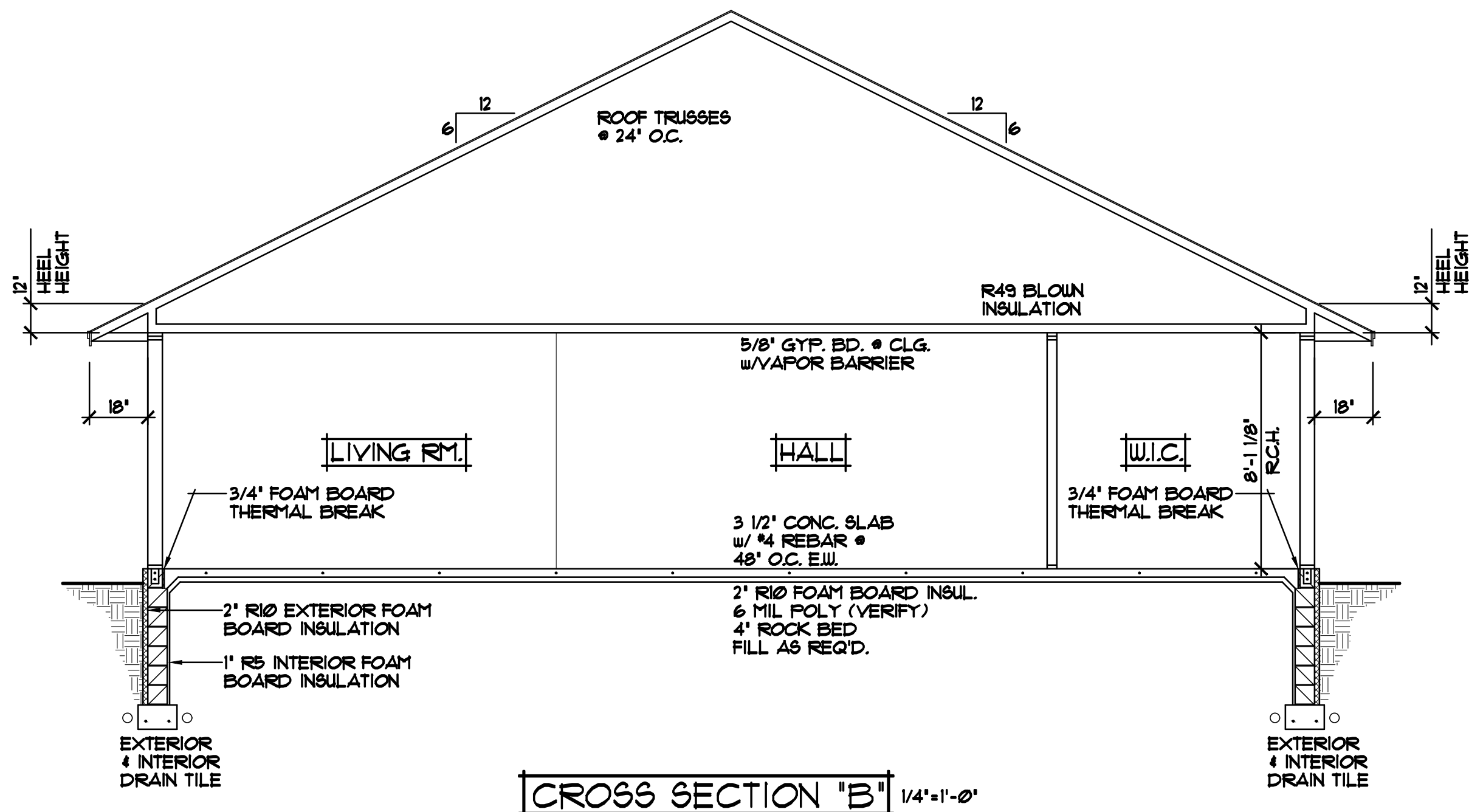
- FOUNDATION EXTERIOR- 2" R-10 RIGID FOAM BOARD INSULATION
- FOUNDATION INTERIOR- 1" R-5 RIGID FOAM BOARD INSULATION

FOUNDATION CONSTRUCTION

- (1) COURSE 6" BOND BEAM BLK. with (2) #4 RE-BAR
- (6) COURSES OF 8" CONC. BLK. with DOVELS INTO CONC. FTG.
- 16"x10" CONC. FTG. w/(2) #4 BARS

SLAB CONSTRUCTION:

- 3 1/2" POURED CONCRETE FLOOR with #4 REBAR @ 48" O.C. EACH WAY
- 2" R-10 RIGID FOAM BOARD INSULATION UNDER SLAB
- 6 MIL POLY VAPOR BARRIER UNDER SLAB
- UNIFORM LAYER OF 3/4" CLEAN AGGREGATE 4" THICK (MINIMUM)
- SAND FILL AS REQUIRED



ALL HEIGHT CALCULATIONS FOR FOUNDATIONS ARE BASED ON THE USE OF FULL 8" HIGH BLOCK w/ 3/8" JOINTS. IF MODULAR BLOCK IS USED, CONTRACTORS SHOULD ADJUST HEIGHTS ACCORDINGLY.

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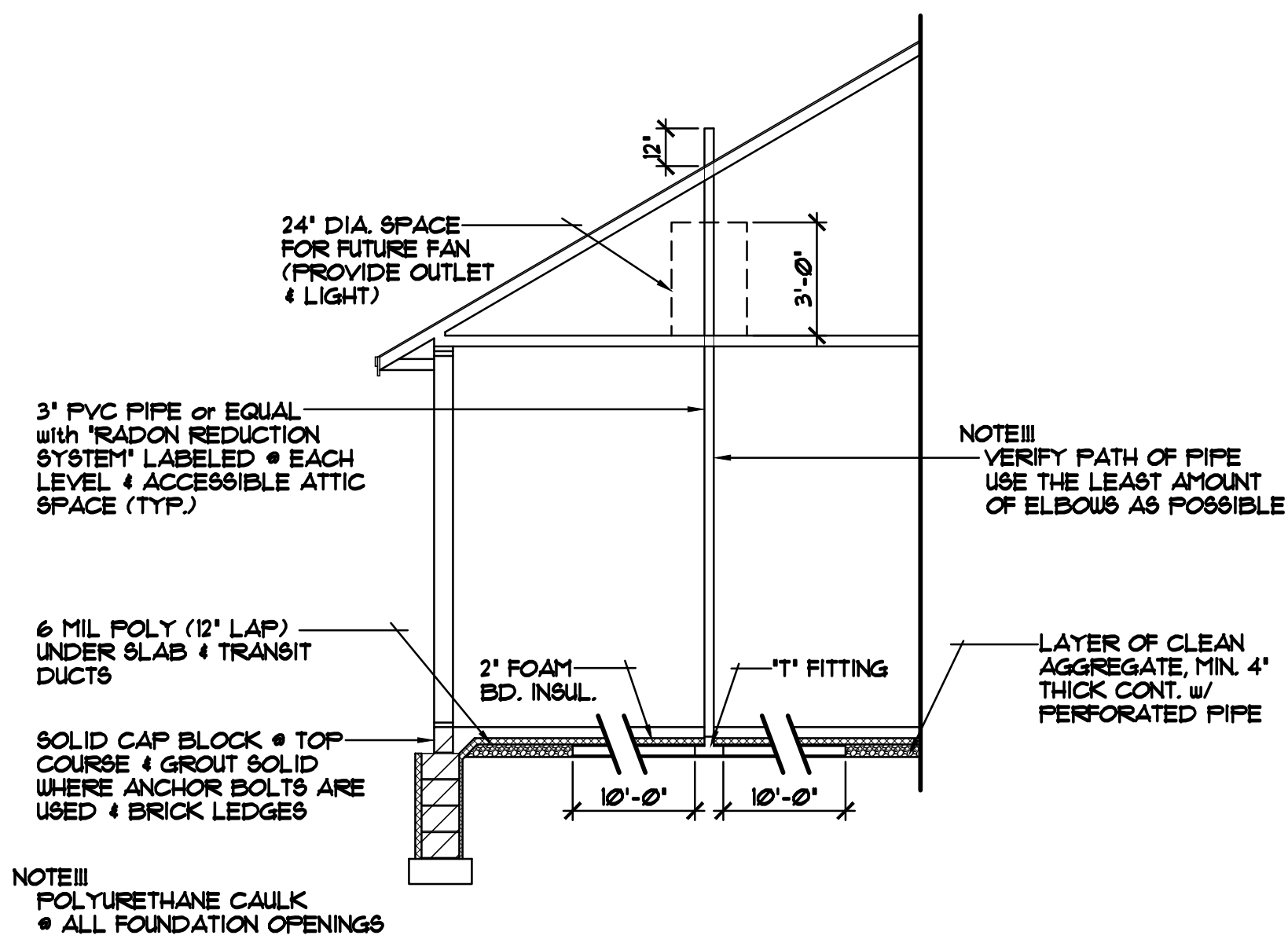
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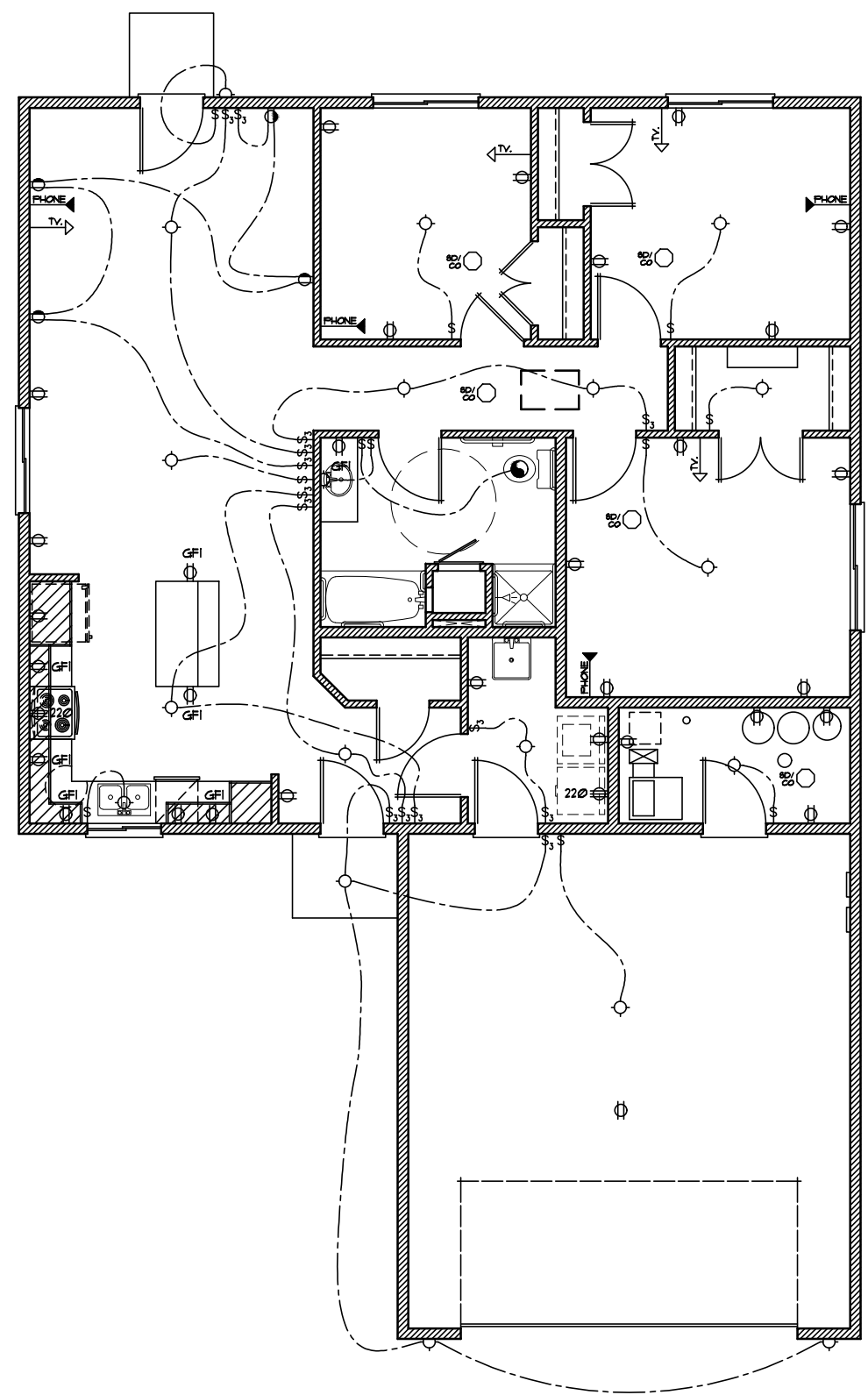
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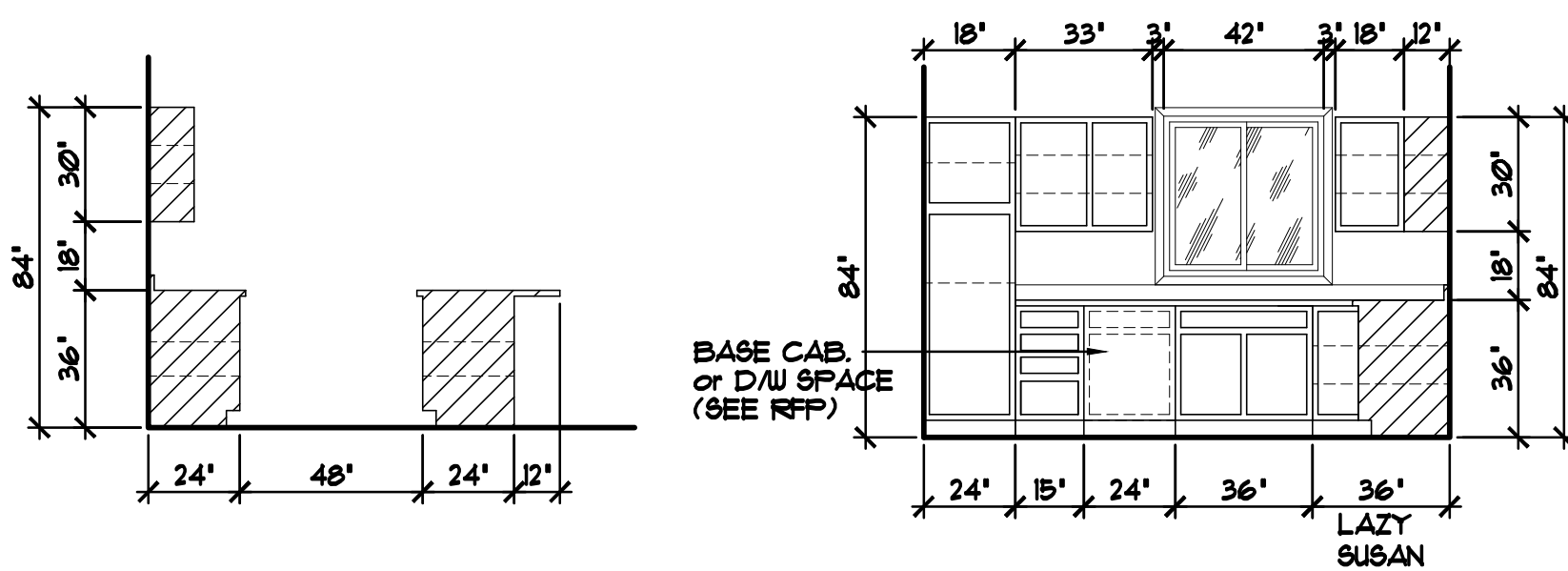
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PASSIVE RADON MITIGATION SYSTEM DETAIL

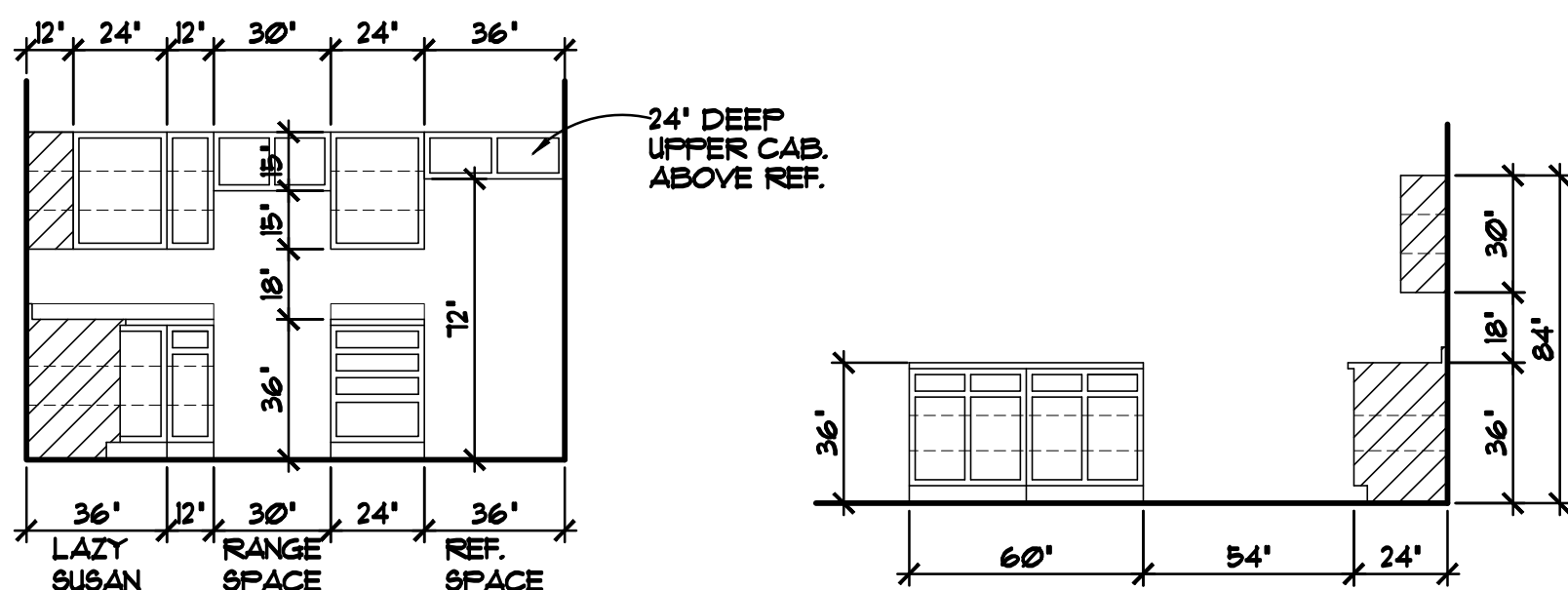


ELECTRICAL PLAN 1/8"=1'-0"



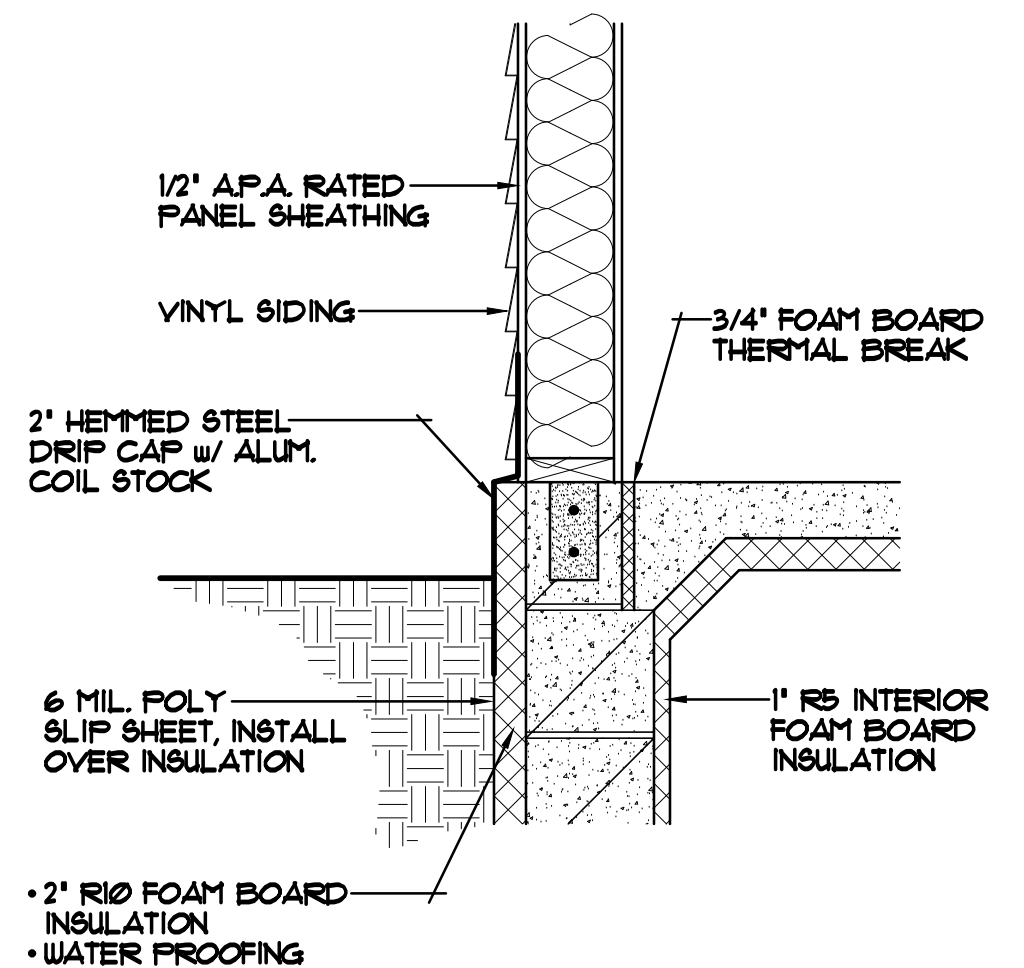
KITCH. CAB. ELEV. 1/4"=1'-0"

KITCH. CAB. ELEV. 1/4"=1'-0"



KITCH. CAB. ELEV. 1/4"=1'-0"

KITCH. CAB. ELEV. 1/4"=1'-0"



FOUNDATION FLASHING DETAIL

SCALE: 1"=1'-0"

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5
7

TABLE R602.3(3) REQUIREMENTS FOR WOOD STRUCTURAL PANEL WALL SHEATHING USED TO RESIST WIND PRESSURE a,b,c

MINIMUM NAIL		MINIMUM WOOD STRUCTURAL PANEL SPAN RATING	MINIMUM NOMINAL PANEL THICKNESS (INCHES)	MAXIMUM WALL STUD SPACING (INCHES)	PANEL NAIL SPACING		MAXIMUM WIND SPEED (MPH)		
SIZE	PENETRATION (INCHES)				EDGES (INCHES O.C.)	FIELD (INCHES O.C.)	WIND EXPOSURE CATEGORY		
6d COMMON (2.0"x0.113")	1.5	24/0	3/8	16	6	12	110	90	85
8d COMMON (2.5"x0.131")	1.75	24/16	7/16	16	6	12	130	110	105
				24	6	12	110	90	85

FOR SI: 1"= 25.4mm, 1 mile per hour= 0.447 m/s

- a. Panel strength axis parallel or perpendicular to supports. three-ply plywood sheathing with studs spaced more than 16 inches on center shall be applied with panel strength axis perpendicular to supports
- b. Table is based on wind pressures acting toward and away from building surfaces per Section R301.2. Lateral bracing requirements shall be in accordance with Section R602.10
- c. Wood structural panels with span ratings of Wall-16 or Wall-24 shall be permitted as an alternate to panels with a 24/0 span rating. Plywood siding rated 16'o.c. or 24'o.c. shall be permitted as an alternate to panels with a 24/16 span rating. Wall-16 and Plywood siding 16' o.c. shall be used with studs spaced a maximum of 16 inches on center.

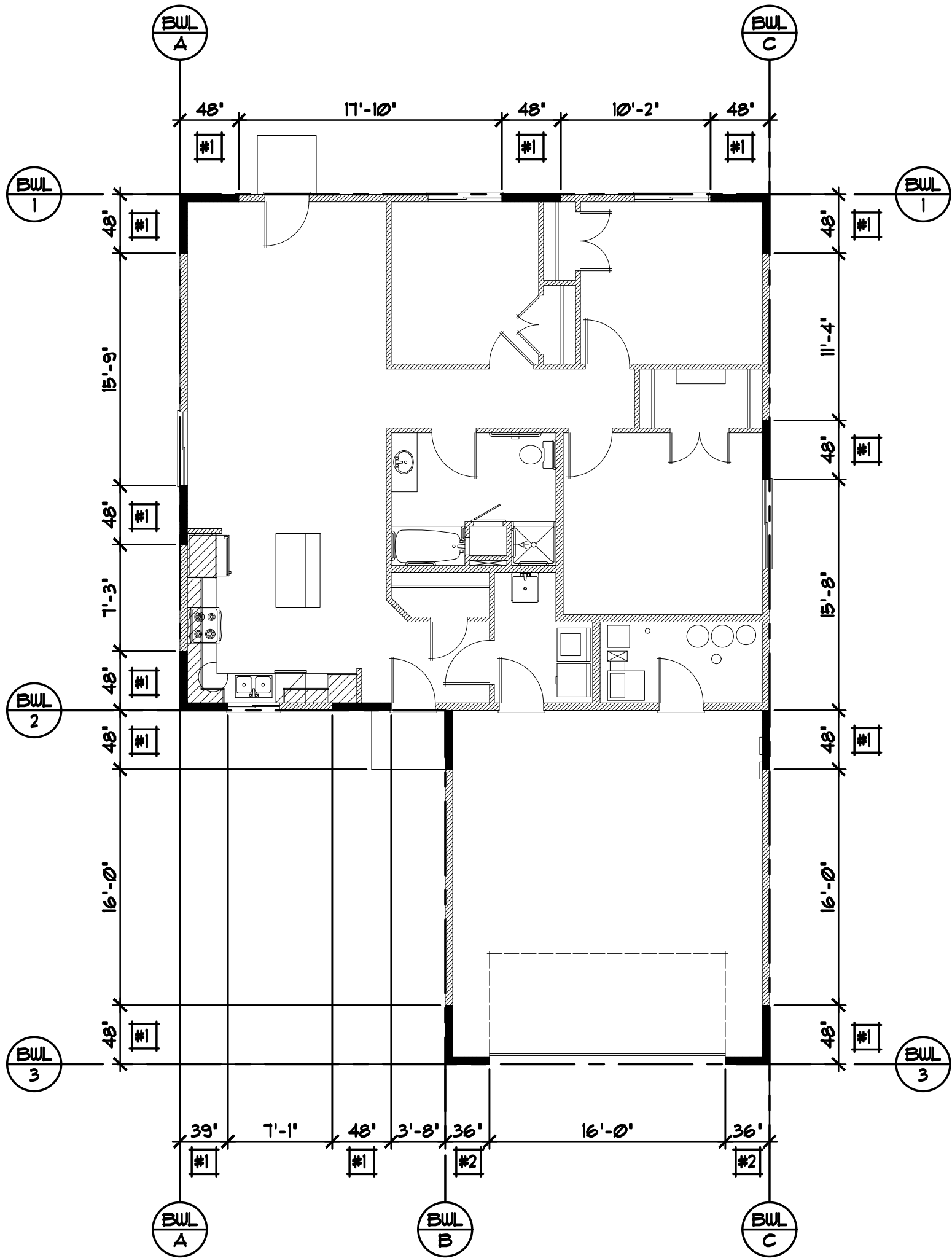
	WALL BRACING METHOD	DESCRIPTION
#1	CS-WSP	(CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL) PER TABLE 602.3 (3)
#2	FFG	(PORTAL FRAMING AT GARAGE) SEE THE FFH DETAIL (THIS SHEET)

ALL BRACED PANEL LENGTHS GIVEN ARE TO BE TREATED AS MINIMUMS.

WIND EXPOSURE CATEGORY IS TO BE CATEGORY 'B' PER SECTION R301.2.1.4

WIND SPEED RESISTANCE TO BE MEASURED LESS THAN OR EQUAL TO 90 MPH.

NOTE!!!
APPROVED UPLIFT FRAMING CONNECTORS TO BE SPECIFIED BY TRUSS MANUFACTURER/ SUPPLIER TO PROVIDE A CONTINUOUS LOAD PATH TO A POINT WHERE UPLIFT FORCES ARE 100plf OR LESS (PER R602.3.5 AND PER SECTION R802.11)



MAIN LEVEL WALL BRACING PLAN 1/8"=1'-0"

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6

7 of

CORNER FRAMING DETAIL

16d NAILS
@ 24" O/C

8d NAILS @ 6" O/C
IN ALL PANEL EDGES,
NOT PART OF FRONT
FRAMING ASSEMBLY

FRONT FRAMING
ASSEMBLY

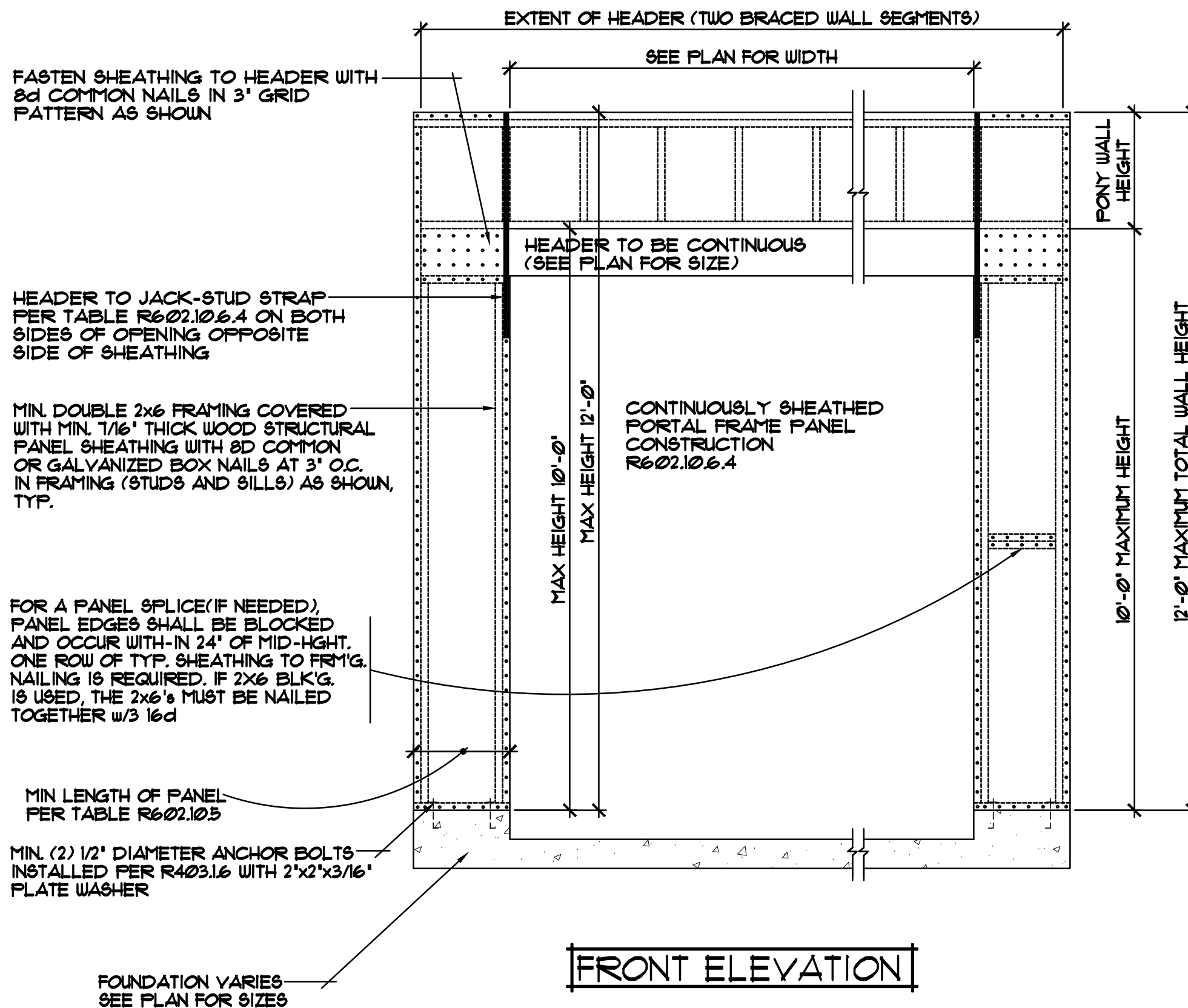
BLOCKING/SHEATHING FILLER
IF NEEDED (TYP.)

HEADER TO JACK-STUD STRAP
PER TABLE R602.10.5.4 ON BOTH
SIDES OF OPENING OPPOSITE
SIDE OF SHEATHING

16d SINKER NAILS IN
2 ROWS @ 3" O.C.

(2x6 STUDS w/OSB EXTERIOR
SHEATHING

SIDE ELEVATION



PORTAL FRAMING AT GARAGE (SEISMIC CATEGORIES A, B, & C) 1/2"=1'-0"

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7
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