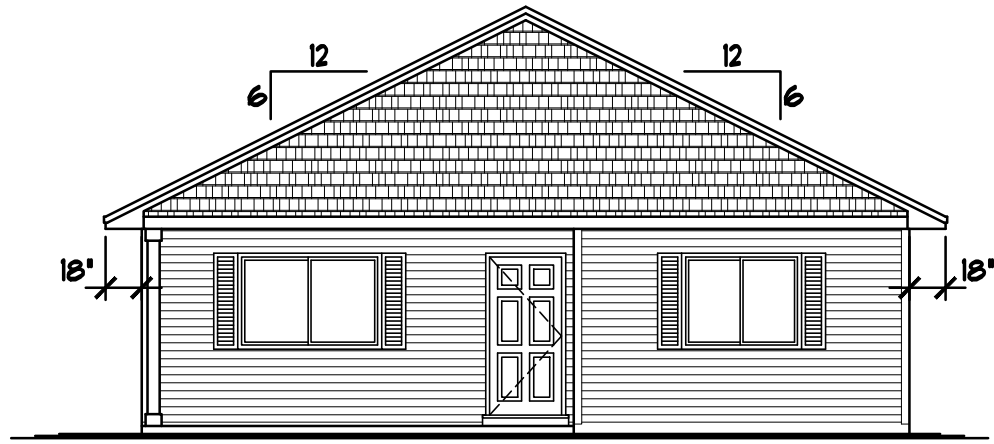
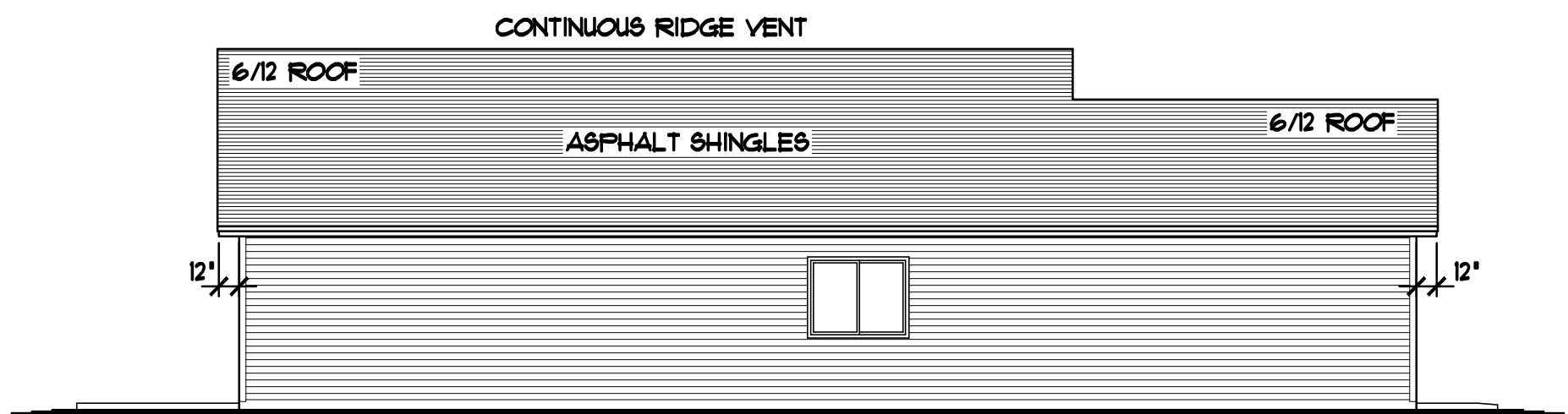


RIGHT ELEVATION 1/8"=1'-0"



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



LEFT 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

N/A

N/A

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

NOTE!!!
PROVIDE 12' HEEL HGT.
at ALL ROOF TRUSSES

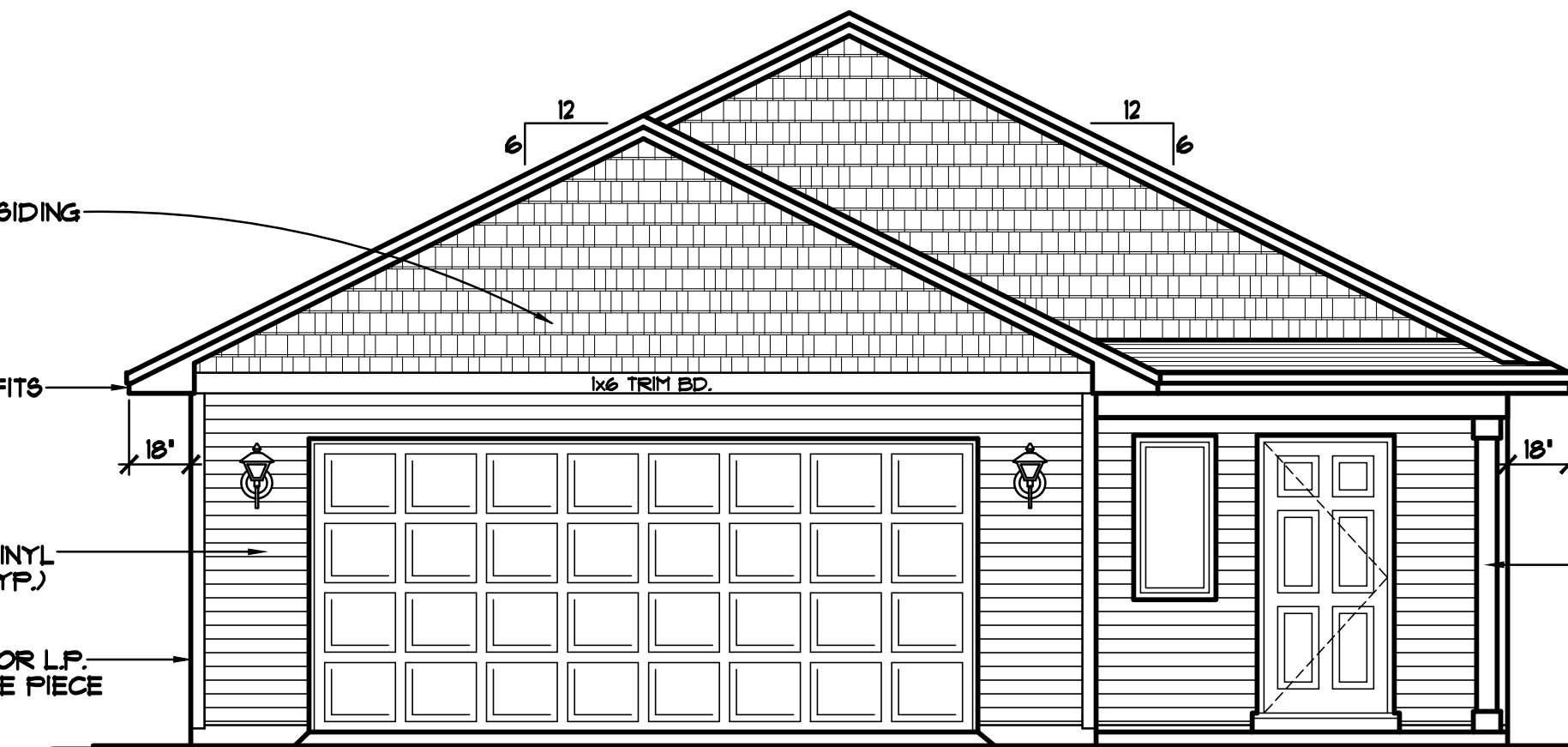
- THERMO-TECH WINDOW SIZES SPEC'D.
- VINYL SIDING/CORNER TRIM
- VINYL SHAKE SIDING
- ALUMINUM SOFFITS & FASCIA
- DECO. SHUTTERS WHERE SHOWN
- PROVIDE GUTTERS & DOWNSPOUT

VINYL SHAKE SIDING

ALUMINUM SOFFITS
and FASCIA

HORIZONTAL VINYL
LAP SIDING (TYP.)

CERTAINTED OR L.P.
SMARTSIDE ONE PIECE
CORNER TRIM



16'0"x10' METAL RAISED
PANEL GARAGE DOOR

COLUMN TO BE VINYL
WRAPPED OR PAINTED,
VERIFY w/ SPECS.

FRONT ELEVATION 1/4"=1'-0"
1044 SQFT. MAIN LEVEL

© COPYRIGHT 2011/2017 NOTICE, ALL RIGHTS RESERVED
MILLE LACS BAND of OJIBWE

© COPYRIGHT 2011/2017 NOTICE, ALL RIGHTS RESERVED
CROIX DESIGN and DRAFTING, INC.

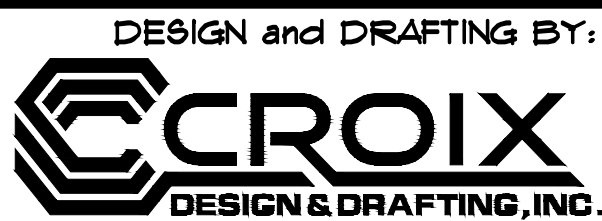
THE:

POPLAR PLAN - GARAGE LEFT

REVISIONS	BY	L.V.
16248		

SPECIAL NOTICE:
CROIX DESIGN and DRAFTING, INC. ACCEPTS NO RESPONSIBILITY FOR ERRORS AND/OR OMISSIONS. THESE DRAWINGS ARE DESIGN CONCEPT ONLY. EVERY EFFORT HAS BEEN MADE DESIGNING AND PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY. THE OWNER, GENERAL CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS MUST CHECK ALL DETAILS AND DIMENSIONS AND BE RESPONSIBLE FOR ANY CHANGES OR ADJUSTMENTS REQUIRED DURING ACTUAL CONSTRUCTION. NO REPRESENTATION IS MADE OR IMPLIED FOR ACCURACY.

© COPYRIGHT NOTICE, ALL RIGHTS RESERVED
THESE ARCHITECTURAL PLANS AND ALL RELATED WORKS ARE PROTECTED BY UNITED STATES COPYRIGHT LAWS, AND MAY NOT BE REPRODUCED, DISTRIBUTED OR OTHERWISE USED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN PERMISSION OF CROIX DESIGN and DRAFTING, INC.



- DESIGN and DRAFTING BY:
- ARCHITECTURAL DESIGN and DRAFTING SERVICE •
 - HOME PLAN SERVICE • CUSTOM HOMES • REMODELING •
 - PHONE: 763.757.5997 • ANDOVER, MINNESOTA •
 - WWW.CROIXDESIGN.COM •

BUILT BY:

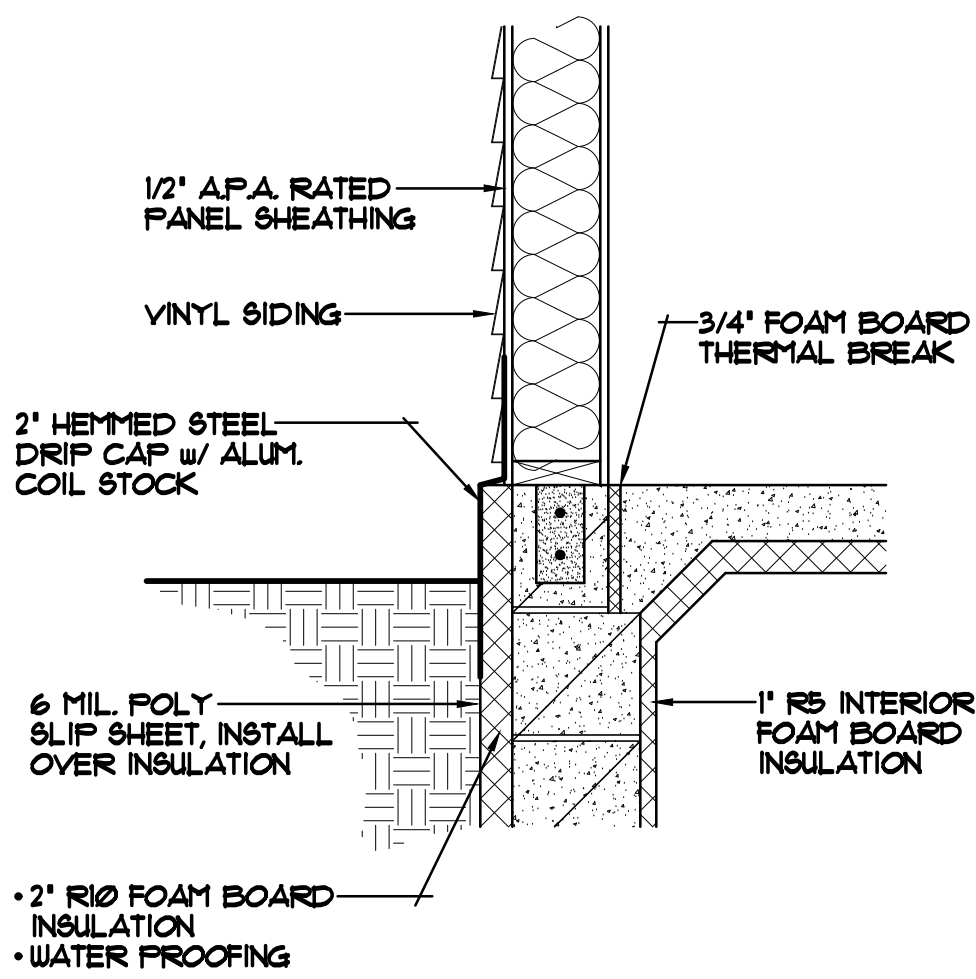
DRAWN
L.V.
CHECKED

DATE:
04/11/2017

SCALE:
AS NOTED

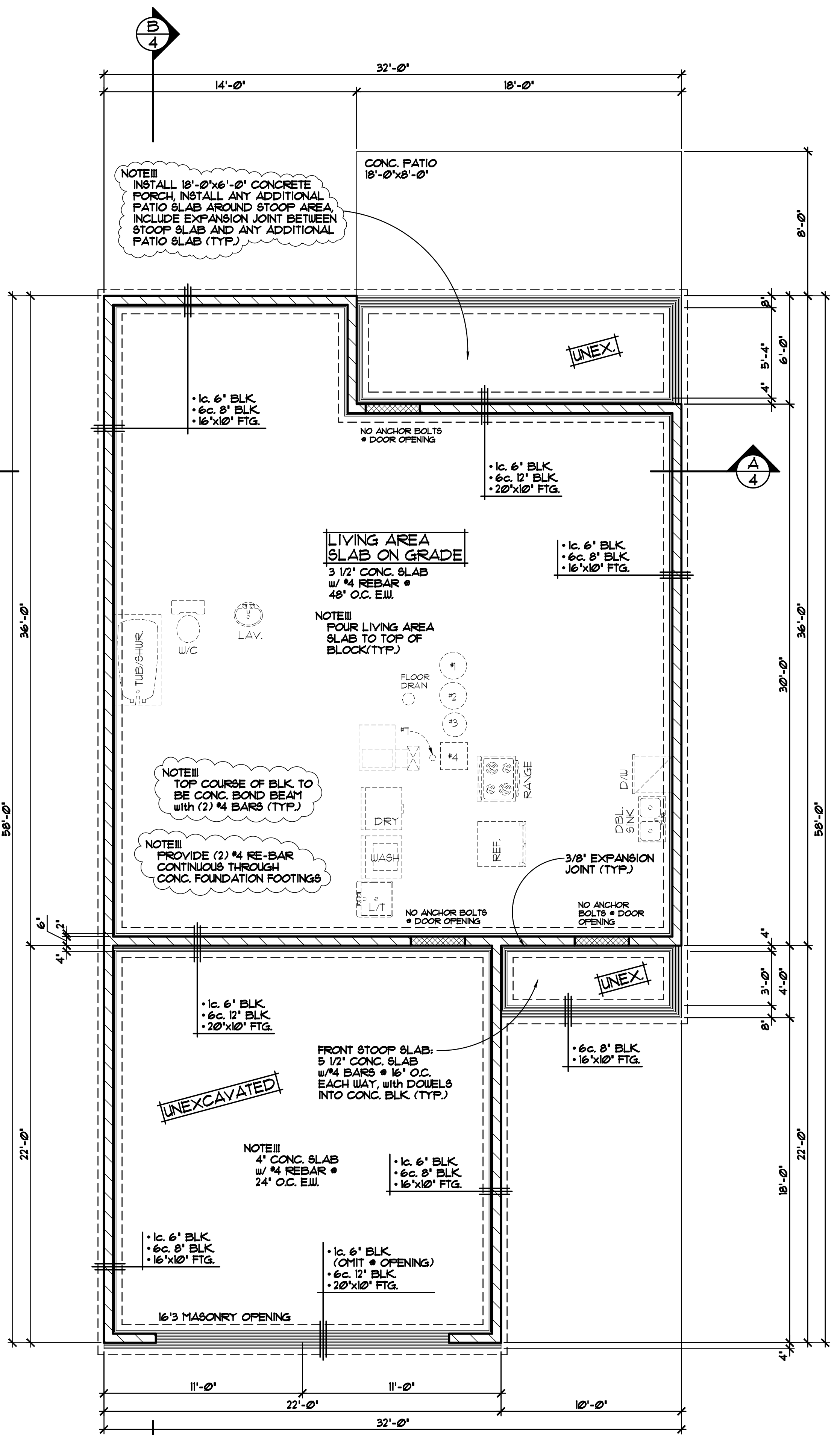
CADD FILE:
T1118

SHEET 1 OF 6



FOUNDATION FLASHING DETAIL

SCALE: 1"=1'-0"



MECH. NOTES!!!

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

NOTE!!! PROVIDE 2" R10 FOAM BOARD BELOW SLAB (TYP.)

NOTE!!! PROVIDE 2" R10 FOAM BOARD INSULATION • EXTERIOR CONC. FOUNDATION HOUSE WALLS • 1" R5 (MIN.) FOAM BOARD INSULATION • INTERIOR CONC. FOUNDATION HOUSE WALLS (TYP.)

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.

SPECIAL NOTICE:

CROIX DESIGN and DRAFTING, INC. ACCEPTS NO RESPONSIBILITY FOR ERRORS AND/OR OMISSIONS. THESE DRAWINGS ARE DESIGN CONCEPT ONLY. EVERY EFFORT HAS BEEN MADE DESIGNING AND PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY. THE OWNER, GENERAL CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS MUST CHECK ALL DETAILS AND DIMENSIONS AND BE RESPONSIBLE FOR ANY CHANGES OR ADJUSTMENTS REQUIRED DURING ACTUAL CONSTRUCTION. NO REPRESENTATION IS MADE OR IMPLIED FOR ACCURACY.



OFFICE: 763.757.5997
 FAX: 763.757.4383
 ANDOVER, MINNESOTA
 WWW.CROIXDESIGN.COM

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

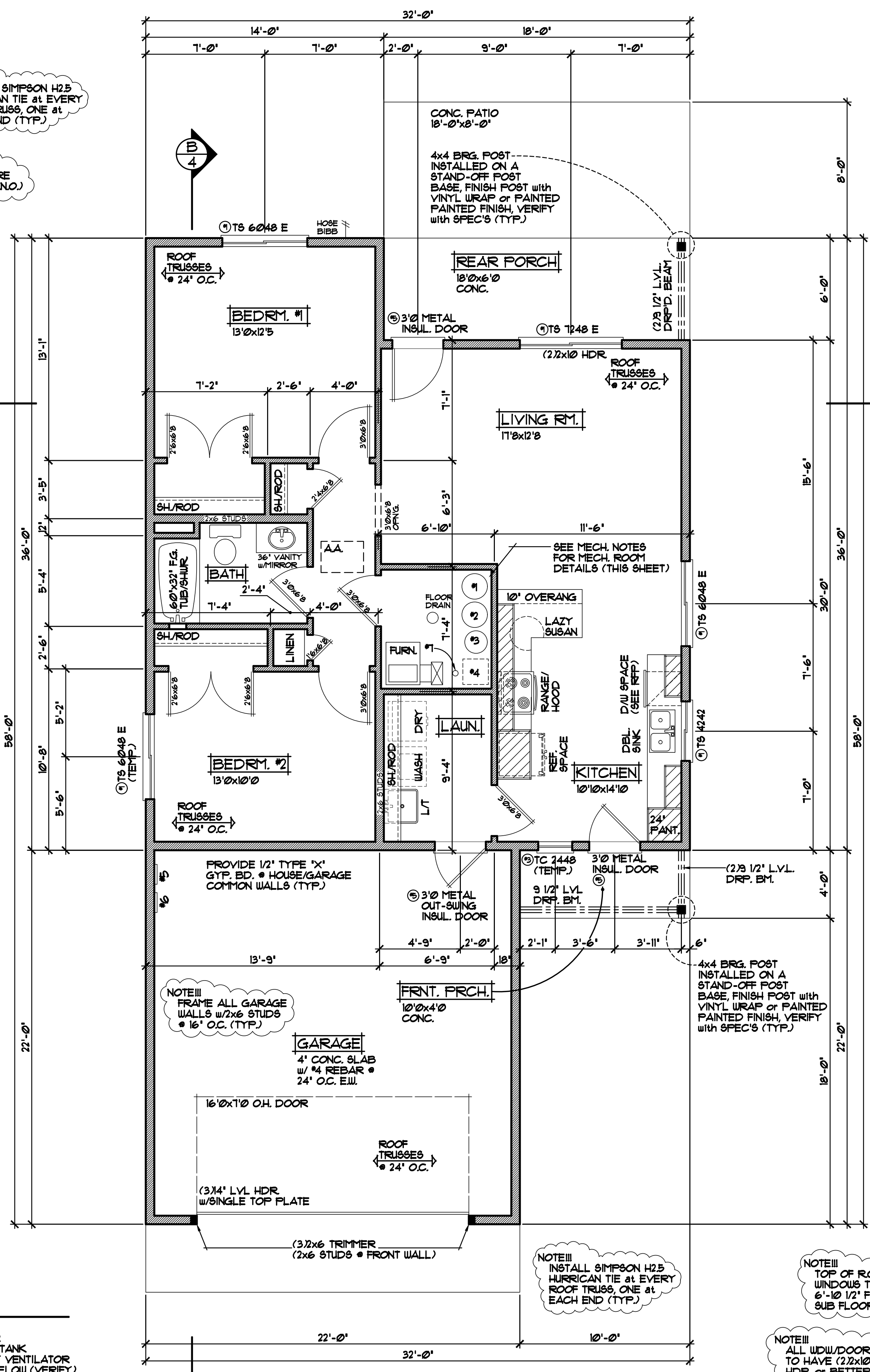
NOTE III
8'-1 1/8" PLATE
HEIGHT @ ENTIRE
MAIN LEVEL (UNO.)

A
4

B
4

A
4

B
4



MECH. NOTES!!!

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

NOTE III
FRAME ALL GARAGE
WALLS w/2x6 STUDS
@ 16' O.C. (TYP.)

CONC. PATIO
18'-0"x8'-0"

4x4 BRG. POST
INSTALLED ON A
STAND-OFF POST
BASE, FINISH POST WITH
VINYL WRAP or PAINTED
FINISH, VERIFY
with SPEC'S (TYP.)

4x4 BRG. POST
INSTALLED ON A
STAND-OFF POST
BASE, FINISH POST WITH
VINYL WRAP or PAINTED
FINISH, VERIFY
with SPEC'S (TYP.)

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

NOTE III
TOP OF R.O. FOR ALL
WINDOWS TO BE
6'-10 1/2" FROM
SUB FLOOR (UNO.)

NOTE III
ALL WDW/DOOR OPENINGS
TO HAVE (2)2x10 #2
GRADE HDR. or BETTER (UNO.)

NOTE III
8'-1 1/8" PLATE
HEIGHT @ ENTIRE
MAIN LEVEL (UNO.)

NOTE III
THERMO-TECH WINDOWS SPEC'D.
VERIFY ALL DOOR AND WINDOW
ROUGH OPENINGS WITH SUPPLIER

MAIN LEVEL PLAN 1/4"=1'-0"
1044 SQFT. MAIN LEVEL

BY:RB.
14015
04/01/14
BY:XX
00000
XX/XX/XX
REVISIONS

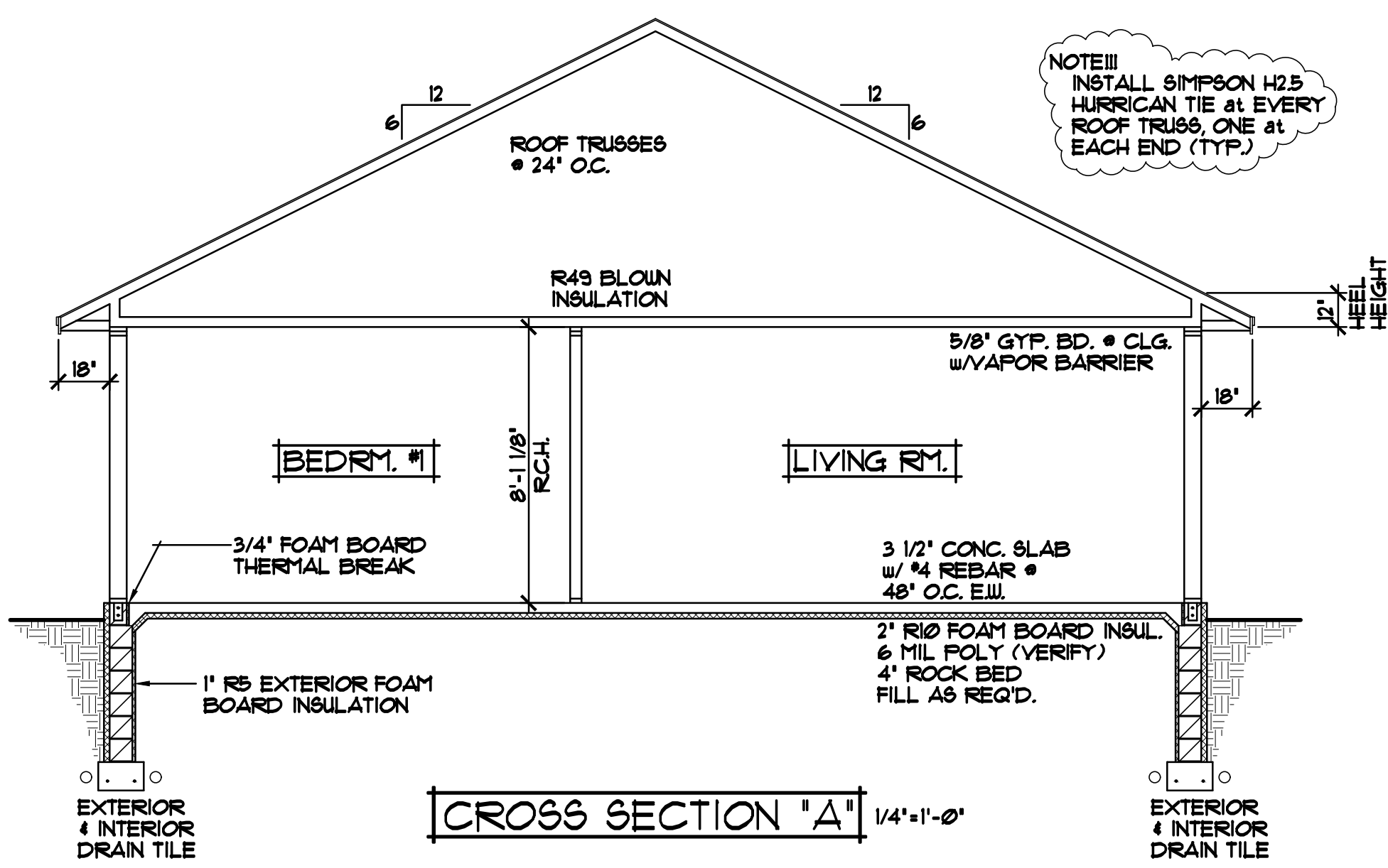
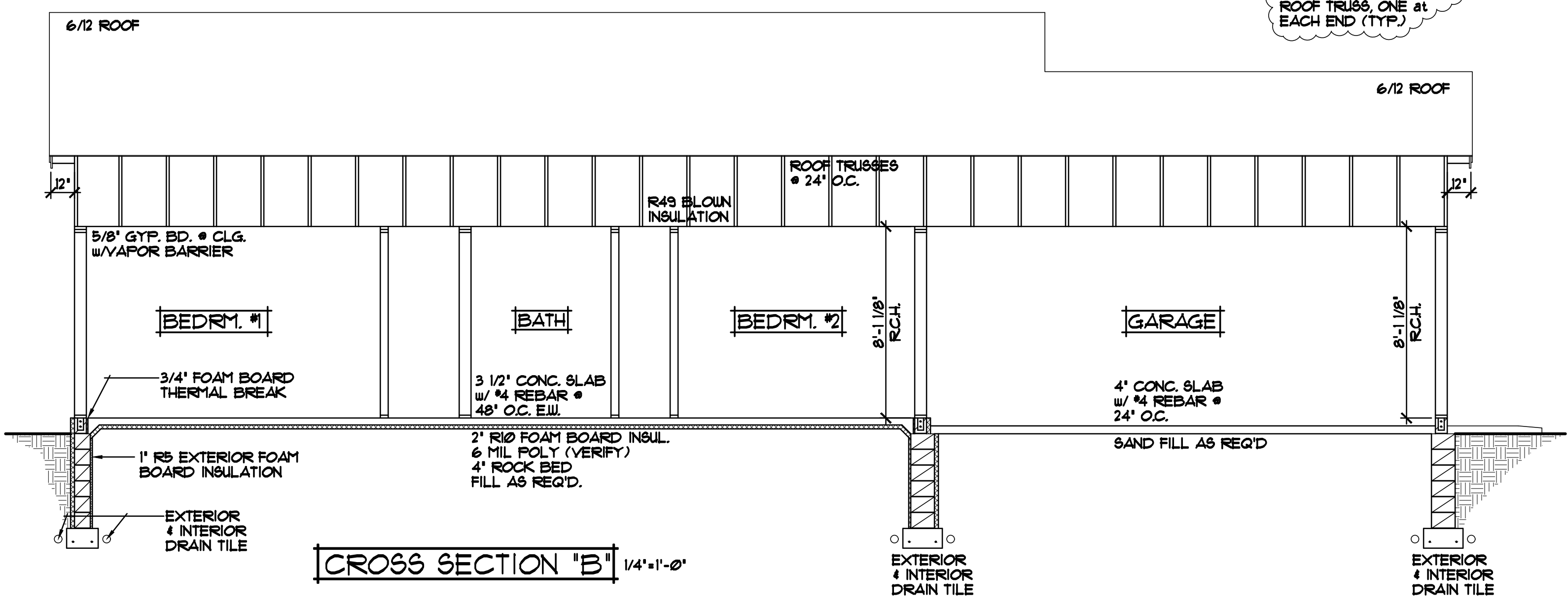
SPECIAL NOTICE:
CROIX DESIGN AND DRAFTING, INC. ACCEPTS NO RESPONSIBILITY FOR ERRORS AND/OR OMISSIONS. THESE DRAWINGS ARE DESIGN CONCEPT ONLY. EVERY EFFORT HAS BEEN MADE DESIGNING AND PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY. THE OWNER, GENERAL CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS MUST CHECK ALL DETAILS AND DIMENSIONS AND BE RESPONSIBLE FOR ANY CHANGES OR ADJUSTMENTS REQUIRED DURING ACTUAL CONSTRUCTION. NO REPRESENTATION IS MADE OR IMPLIED FOR ACCURACY.



OFFICE: 763.757.5997
FAX: 763.757.4383
ANDOVER, MINNESOTA
WWW.CROIXDESIGN.COM

CADD FILE #
11118
SHEET
3
of
6

NOTE!!!
INSTALL SIMPSON H25
HURRICAN TIE at EVERY
ROOF TRUSS, ONE at
EACH END (TYP.)



NOTE!!!
INSTALL SIMPSON H25
HURRICAN TIE at EVERY
ROOF TRUSS, ONE at
EACH END (TYP.)

- 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" OSB SHEATHING
 - 15# ROOFING FELT
 - ICE & WATER MEMBRANE APPLIED 24" PAST EXTERIOR WALL
 - ASPHALT SHINGLES

- SOFFIT / FASCIA:**
- 2x6 SUB-FASCIA
 - MAINTENANCE FREE FASCIA COVER
 - MAINTENANCE FREE VENTED SOFFIT

- WALL CONSTRUCTION:**
- TYVEK 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.

- EXTERIOR FOUNDATION INSULATION**
- 2" R10 EXTERIOR FOAM BOARD INSULATION with 6 MIL. POLY SLIP SHEET

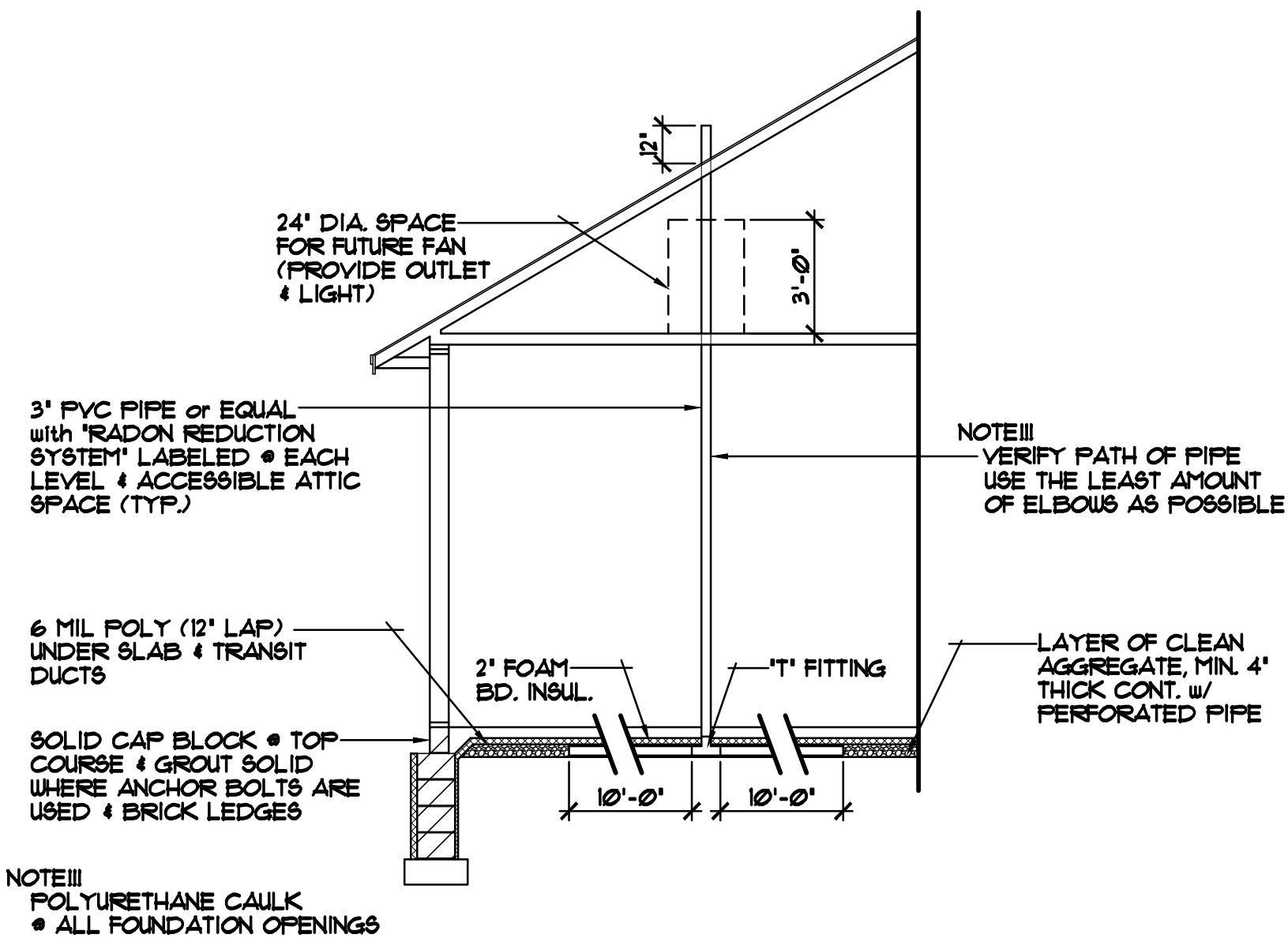
- FOUNDATION CONSTRUCTION**
- (1) COURSE 6" BOND BEAM BLK with (2) #4 RE-BAR
 - (6) COURSES OF 8" CONC. BLK
 - #4 VERT. RE-BAR @ 12" O.C. with DOUELS INTO CONC. FTG.
 - 16"x10" CONC. FTG. w/(2) #4 BARS

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.

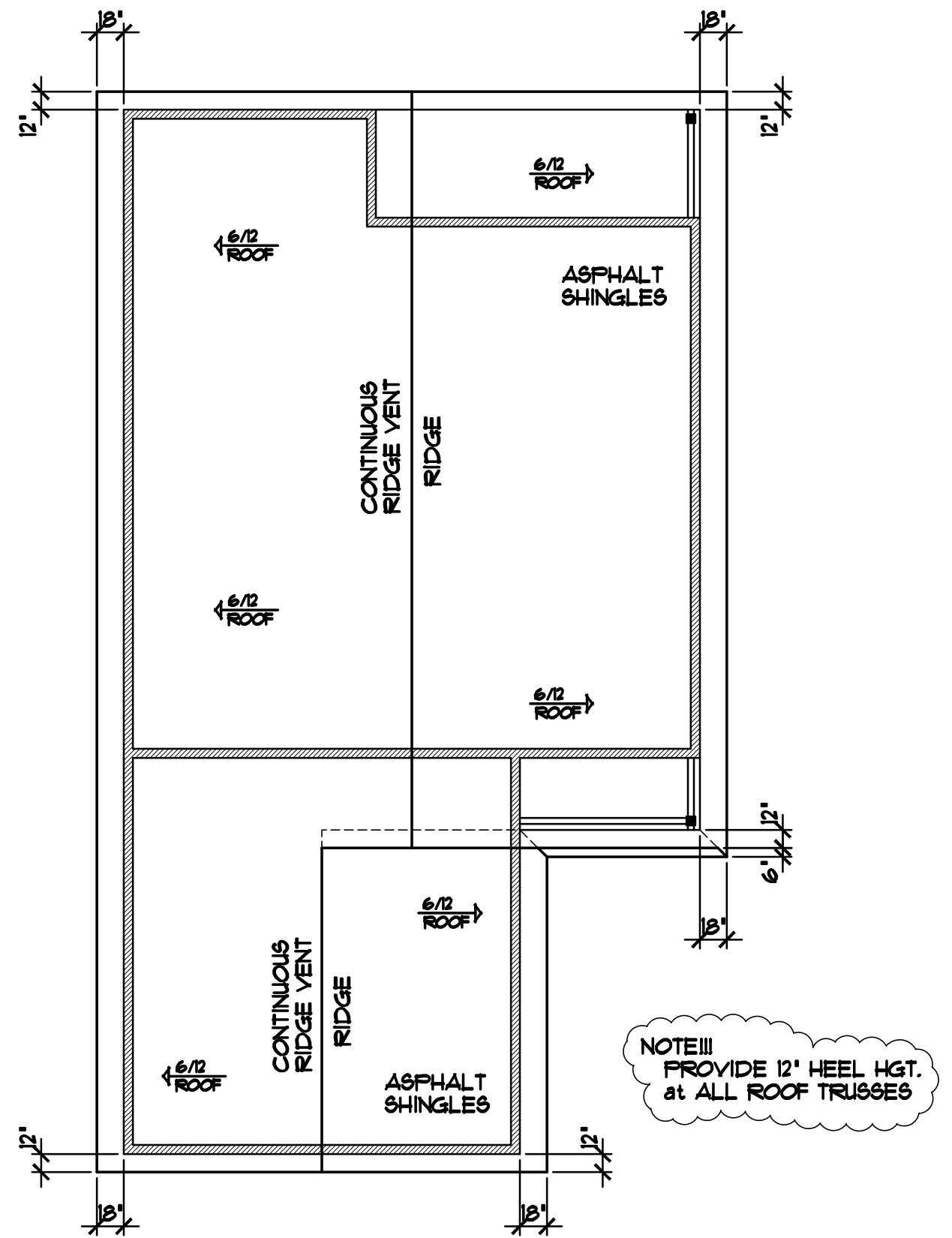
SPECIAL NOTICE:
CROIX DESIGN and DRAFTING, INC. ACCEPTS NO RESPONSIBILITY FOR ERRORS AND/OR OMISSIONS. THESE DRAWINGS ARE DESIGN CONCEPT ONLY. EVERY EFFORT HAS BEEN MADE DESIGNING AND PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY. THE OWNER, GENERAL CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS MUST CHECK ALL DETAILS AND DIMENSIONS AND BE RESPONSIBLE FOR ANY CHANGES OR ADJUSTMENTS REQUIRED DURING ACTUAL CONSTRUCTION. NO REPRESENTATION IS MADE OR IMPLIED FOR ACCURACY.

CROIX
DESIGN & DRAFTING, INC.

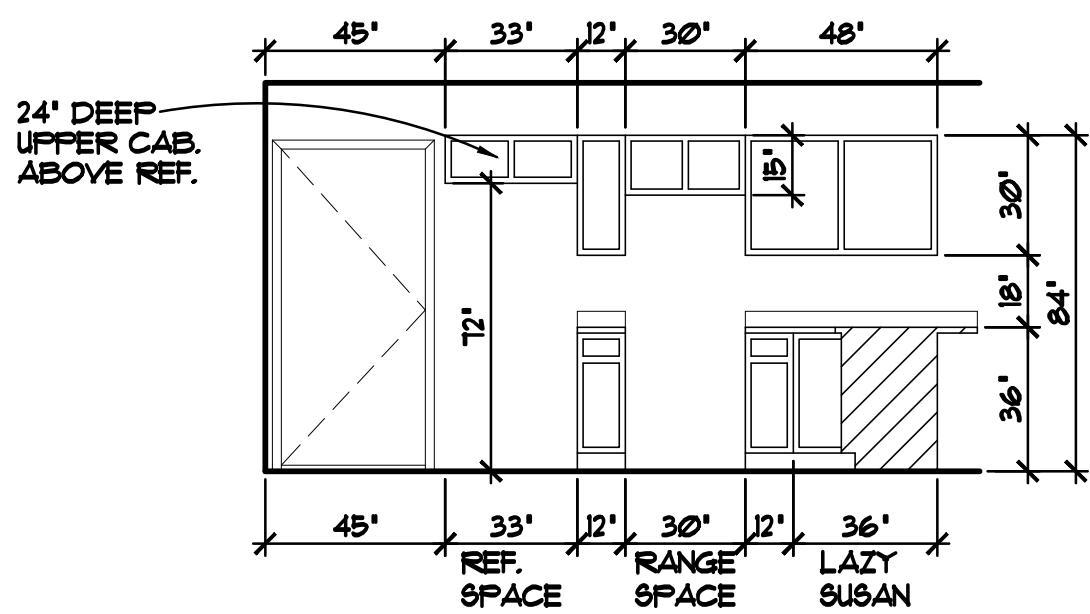
OFFICE: 763.757.5997
FAX: 763.757.4383
ANDOVER, MINNESOTA
WWW.CROIXDESIGN.COM



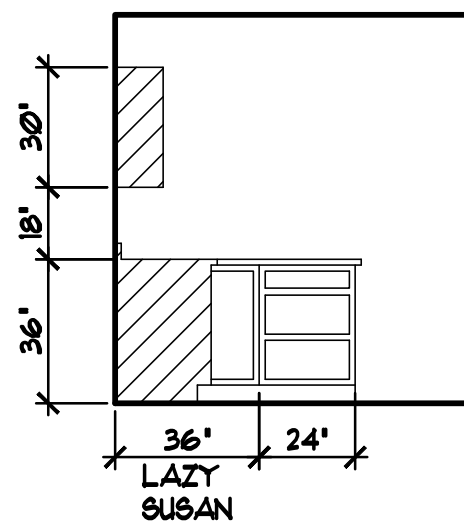
ALTERNATE METHOD FOR PASSIVE RADON MITIGATION SYSTEM



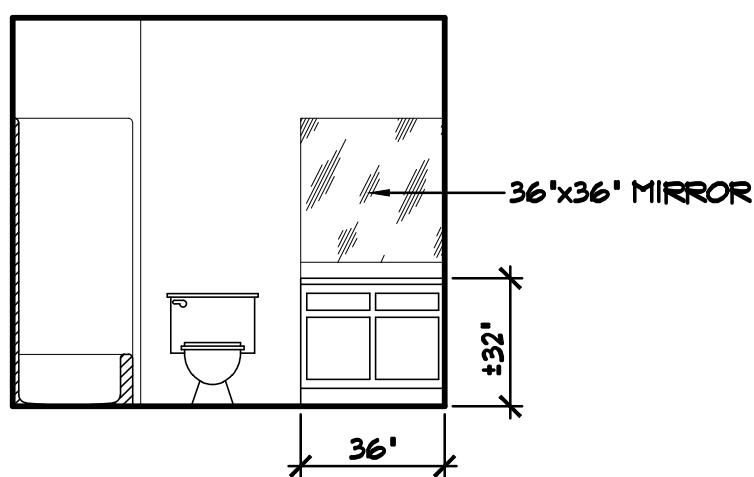
BIRDS EYE ROOF PLAN 1/8"=1'-0"



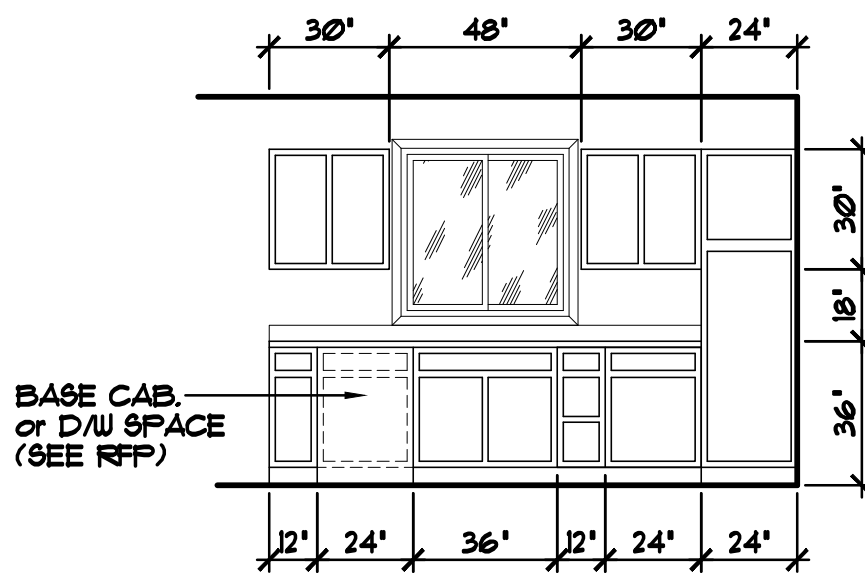
KITCH. CAB. ELEV. 1/4"=1'-0"



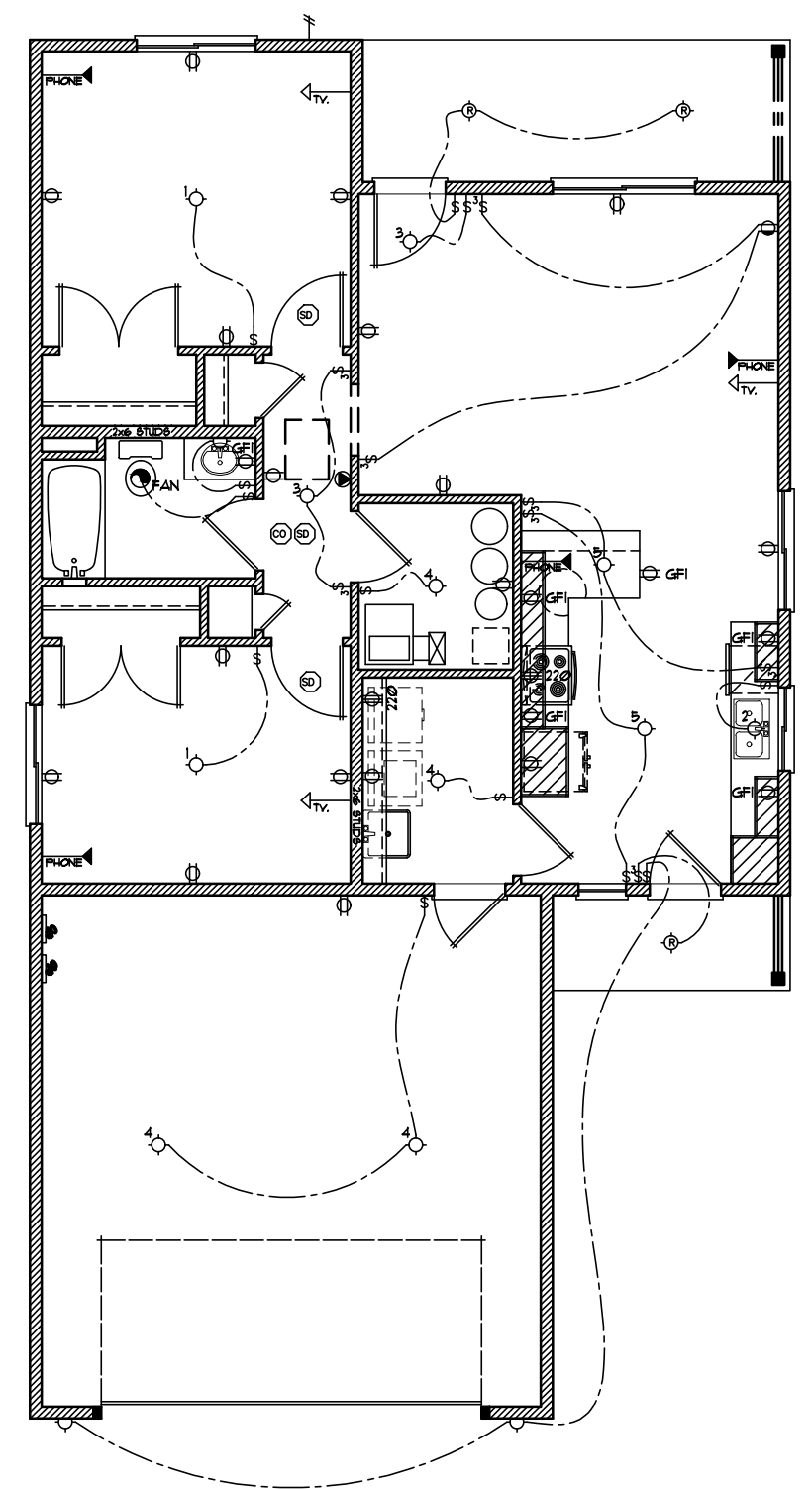
KITCH. CAB. ELEV. 1/4"=1'-0"



BATH VANITY ELEV. 1/4"=1'-0"



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



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

BY:RB.
14015
04/01/14
BY:XX
00000
XXXXXX
REVISIONS

SPECIAL NOTICE:
CROIX DESIGN and DRAFTING, INC. ACCEPTS NO RESPONSIBILITY FOR ERRORS AND/OR OMISSIONS, THESE DRAWINGS ARE DESIGN CONCEPT ONLY. EVERY EFFORT HAS BEEN MADE DESIGNING AND PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY. THE OWNER, GENERAL CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS MUST CHECK ALL DETAILS AND DIMENSIONS AND BE RESPONSIBLE FOR ANY CHANGES OR ADJUSTMENTS REQUIRED DURING ACTUAL CONSTRUCTION. NO REPRESENTATION IS MADE OR IMPLIED FOR ACCURACY.

CROIX
DESIGN & DRAFTING, INC.

OFFICE: 763.757.5997
FAX: 763.757.4383
ANDOVER, MINNESOTA
WWW.CROIXDESIGN.COM

CADD FILE #
THIS SHEET
5
OF 6

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

MINIMUM NAIL SIZE	MINIMUM WOOD STRUCTURAL PANEL SPAN RATING	MINIMUM NOMINAL PANEL THICKNESS (INCHES)	MAXIMUM WALL STUD SPACING (INCHES)	PANEL NAIL SPACING		MAXIMUM WIND SPEED (MPH)			
				EDGES (INCHES O.C.)	FIELD (INCHES O.C.)	WIND EXPOSURE CATEGORY			
6d COMMON (2.0"x0.113")	15	24/0	3/8	16	6	12	110	90	85
8d COMMON (2.5"x0.131")	17.5	24/16	7/16	16	6	12	130	110	105
				24	6	12	110	90	85

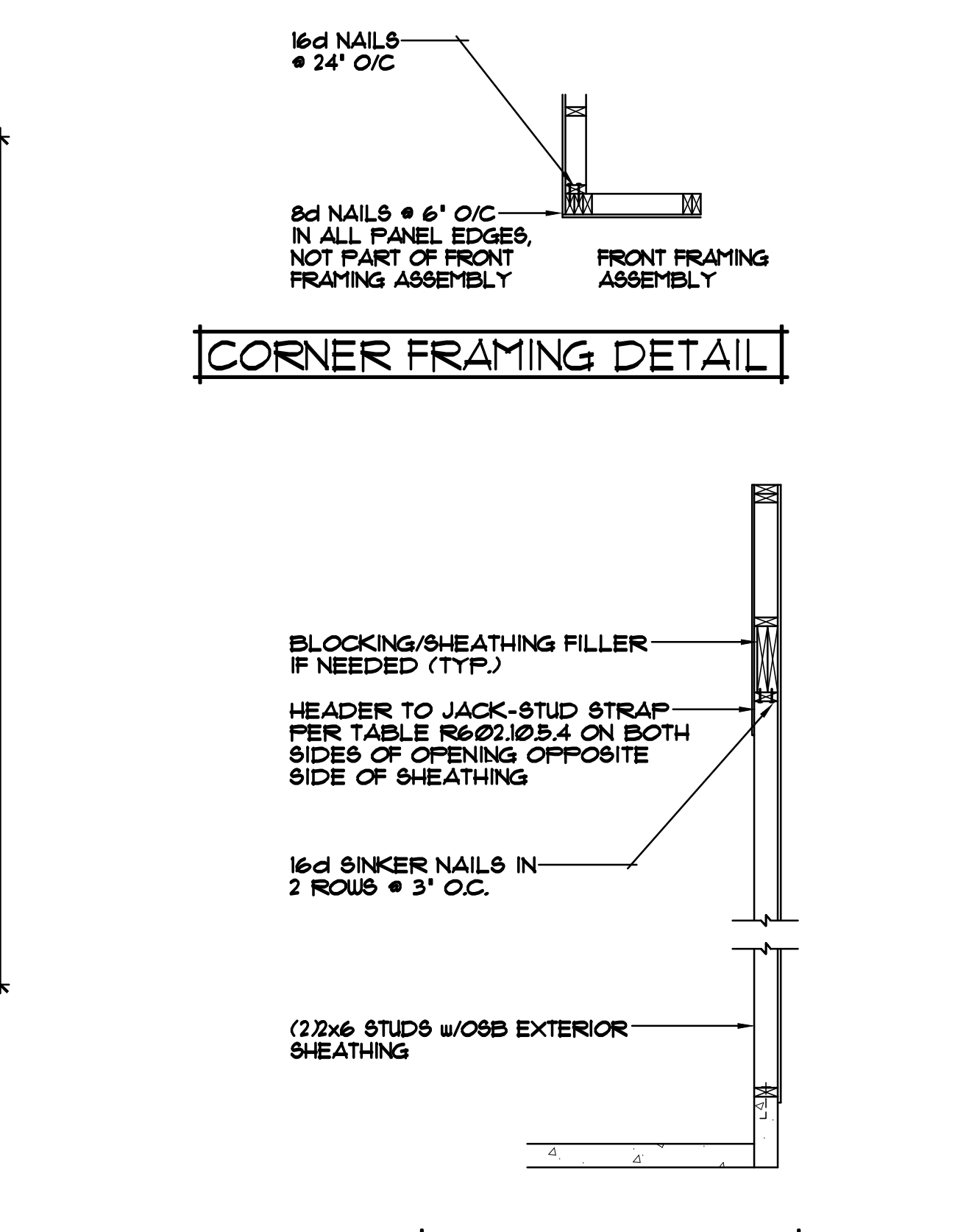
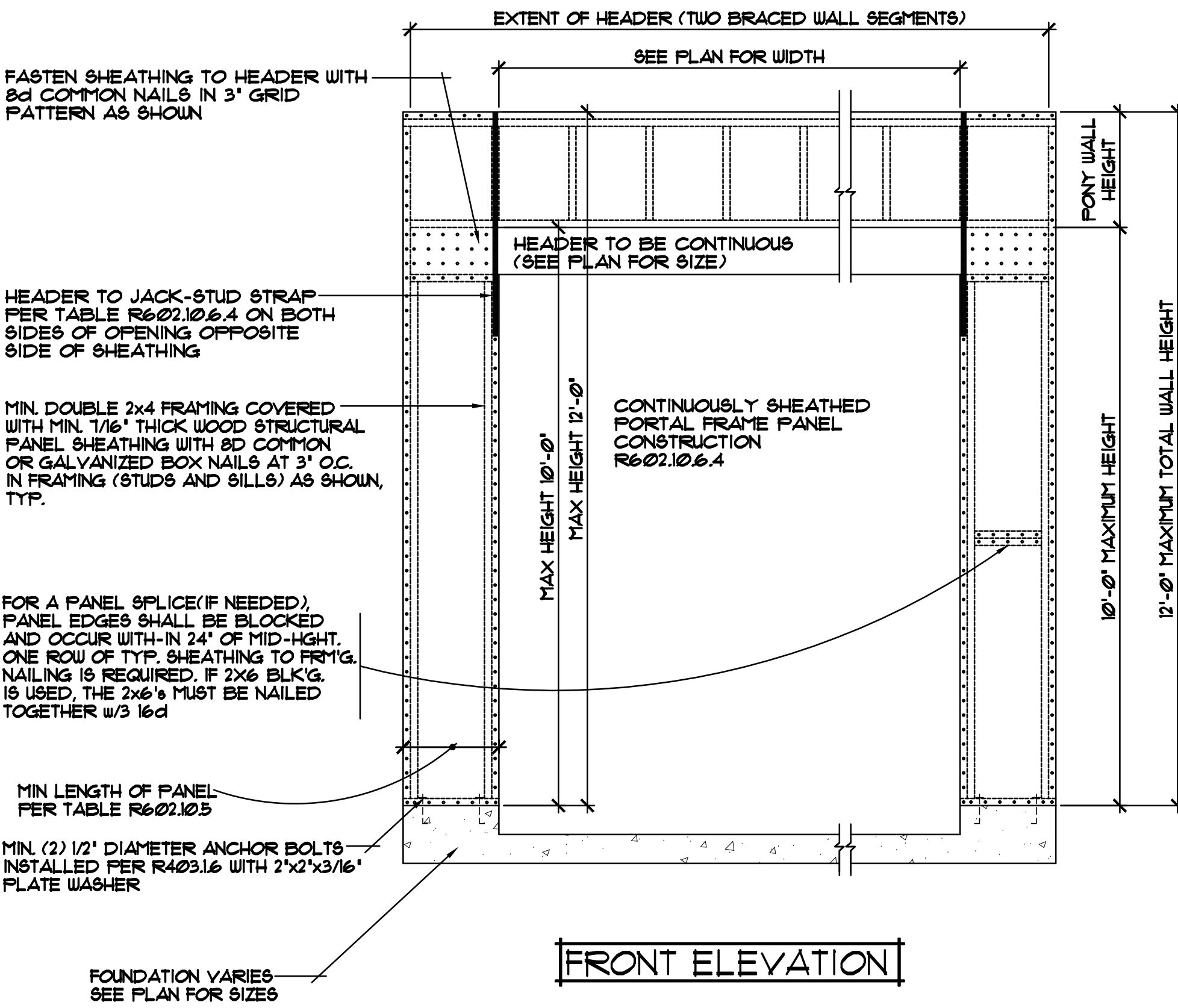
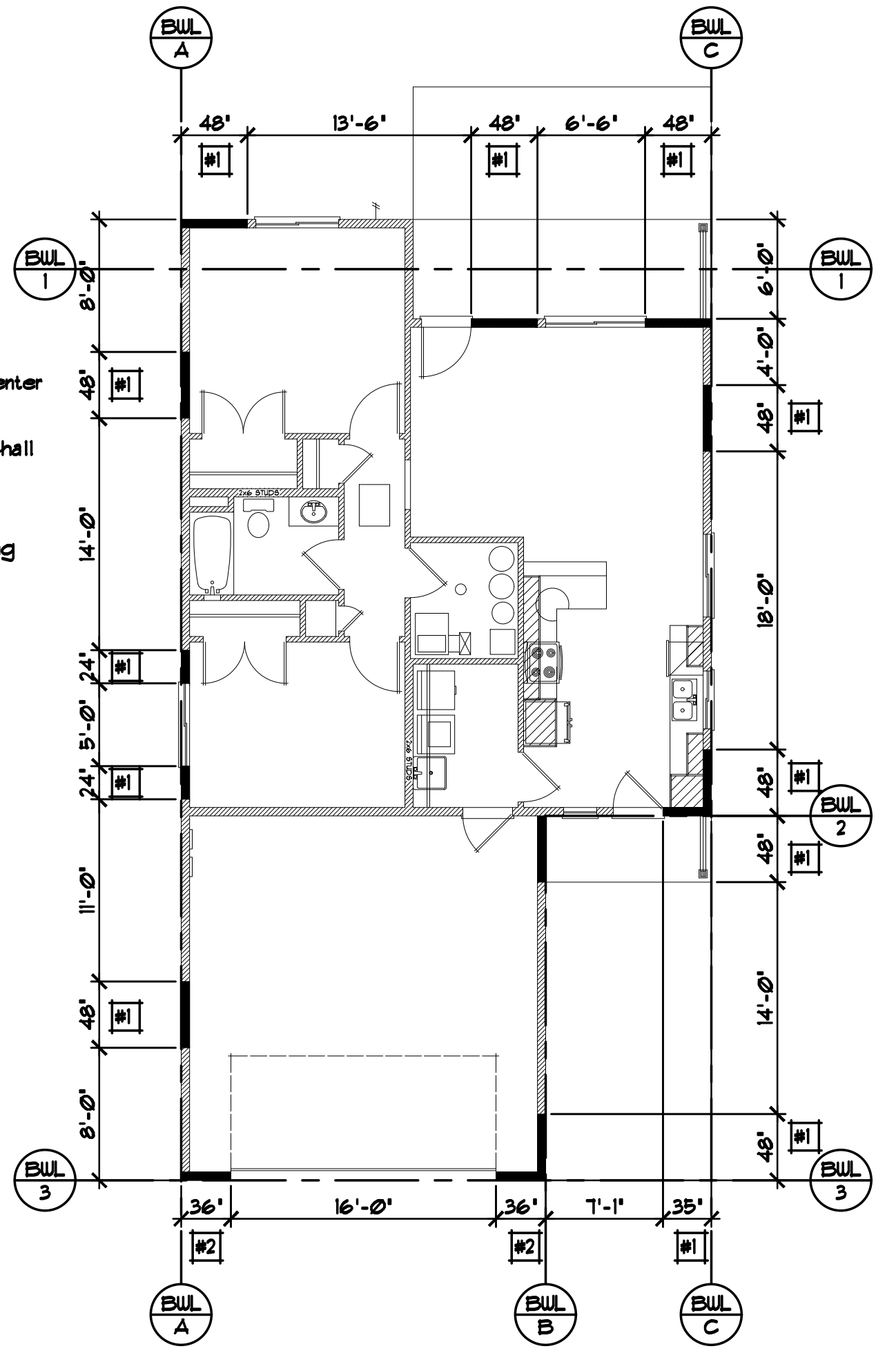
FOR SI: 1" = 25.4mm, 1 mile per hour = 0.447 m/s

- 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 R3012. 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 FRG	(PORTAL FRAMING AT GARAGE) SEE THE FRG DETAIL (THIS SHEET)

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)

ALL BRACED PANEL LENGTHS GIVEN ARE TO BE TREATED AS MINIMUMS.
 WIND EXPOSURE CATEGORY IS TO BE CATEGORY 'B' PER SECTION R3012.1.4
 WIND SPEED RESISTANCE TO BE MEASURED LESS THAN OR EQUAL TO 90 MPH.



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

BY: RB
 14015
 04/01/14
 BY: XX
 00000
 00000
 XX/XX/XX
 REVISIONS

SPECIAL NOTICE:
 CROIX DESIGN AND DRAFTING, INC. ACCEPTS NO RESPONSIBILITY FOR ERRORS AND/OR OMISSIONS. THESE DRAWINGS ARE DESIGN CONCEPT ONLY. EVERY EFFORT HAS BEEN MADE DESIGNING AND PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY. THE OWNER, GENERAL CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS MUST CHECK ALL DETAILS AND DIMENSIONS AND BE RESPONSIBLE FOR ANY CHANGES OR ADJUSTMENTS REQUIRED DURING ACTUAL CONSTRUCTION. NO REPRESENTATION IS MADE OR IMPLIED FOR ACCURACY.



OFFICE: 763.757.5997
 FAX: 763.757.4383
 ANDOVER, MINNESOTA
 WWW.CROIXDESIGN.COM

CADD FILE # 11116
 SHEET 6 of 6