



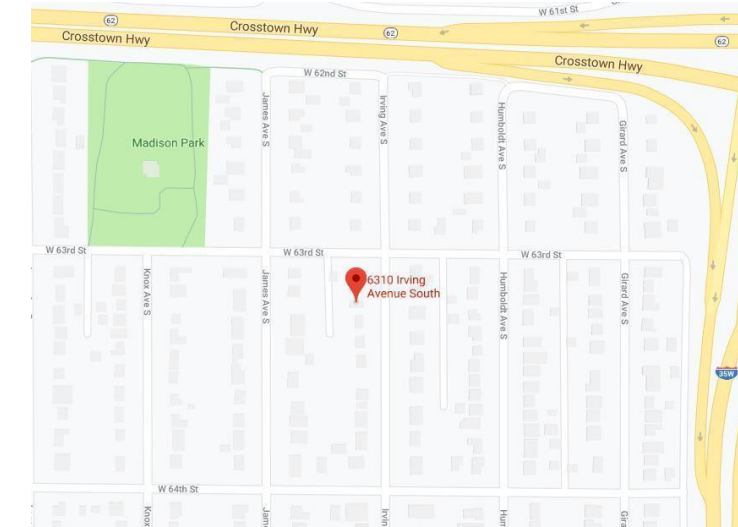
RENDERING MAY NOT REFLECT ACTUAL
CONSTRUCTED HOUSE

TWIN CITIES HABITAT FOR HUMANITY

1954 University Ave. W., St. Paul, MN 55104

SINGLE FAMILY DWELLING

6310 IRVING AVE. S.
RICHFIELD, MN 55423



SITE MAP

SHEET
1 of 9

REVISIONS:

DATE	REVISION

DRAWN BY: M. RICE

DATE: 5-10-19

PLOT DATE: 6/4/2019

CHECKED BY: M. OJEDA

PROJECT INFO

SITE NUMBER: 1629

MODEL: 2TR4-2

DESIGNER: MARK RICE

SHEET INDEX

SHEET 1	TITLE SHEET
SHEET 2	FOUNDATION PLAN
SHEET 3	FIRST FLOOR PLAN
SHEET 4	ELEVATIONS
SHEET 5	STAIR & BUILDING SECTIONS
SHEET 6	FOUNDATION DETAILS
SHEET 7	PORCH FRAMING DETAILS
SHEET 8	BRACED WALL PANEL PLAN
SHEET 9	GARAGE PLAN, ELEVATIONS, & SECTIONS

SITE: 1629

SINGLE FAMILY DWELLING

MODEL: 2TR4-2

6310 IRVING AVE. S.

RICHFIELD, MN 55423

TITLE SHEET

BUILDING INFO:

APPLICABLE BUILDING CODES

2015 MINNESOTA ENERGY CODE
(BASED ON 2012 IECC)

2015 MINNESOTA RESIDENTIAL CODE
(BASED ON 2012 IRC)

SQUARE FOOTAGE

*SQUARE FOOTAGE INCLUDES WALLS.
-AT FOUNDATION SQ. FT. IS MEASURED FROM OUTSIDE OF INSUL.
-AT 1ST & 2ND FLOORS IT IS MEASURED FROM OUTSIDE OF WALL SHEATHING.

BASEMENT	638 SQ. FT. (UNFINISHED)
BASEMENT	444 SQ. FT. (FINISHED)
MAIN FLOOR	1131 SQ. FT. (FINISHED)

TOTAL FINISHED: 1,575 SQ. FT.

GROSS SQ. FT.: 2,213

1954 UNIVERSITY AVE. W.

ST. PAUL, MN 55104

OFFICE: 651-207-1700

FAX: 651-641-8841

MN BLDRS LIC. # BC005603



SYMBOLS

ELECTRICAL

	SMOKE DETECTOR		INTERIOR BASEMENT 1 BULB PORCELAIN SOCKET
	SMOKE/CARBON MONOXIDE COMBO DETECTOR		INTERIOR 1 BULB LIGHT FIXTURE
	TELEPHONE JACK		INTERIOR 2 BULB LIGHT FIXTURE
	CABLE JACK		INTERIOR LIGHT FIXTURE W/ ELEC BOX RATED FOR FUT. CEILING FAN
	BATH FAN. SEE PROJECT SPEC FOR MODEL		UNDER CABINET FLUORESCENT LIGHT
	ELECTRIC PANEL		INTERIOR WALL SCONCE FIXTURE 1 BULB
	ELECTRIC METER		INTERIOR VANITY LIGHT FIXTURE
	FUTURE CABLE BOX AND WIRING BY OTHERS		EXTERIOR LIGHT FIXTURE
	TELEPHONE COMMUNICATION BOX		EXTERIOR CAN LIGHT

- THREE PHONE JACKS PER UNIT: KITCHEN,
LIVING ROOM, AND VERIFY THIRD LOC. W/ PLAN
- VERIFY PHONE JACK LOCATIONS WITH
SITE SUPERVISOR WHEN POSSIBLE. LOCATIONS
SHOWN ARE SUGGESTED.
- ALL CEILING FIXTURES IN BEDROOMS,
LIVING ROOM, & DINING AREA TO HAVE
CEILING ELEC. BOX RATED FOR FUTURE FAN.
- PHONE JACK IN LIVING ROOM TO BE BY
ONE OUTLET
- ELECTRIC OUTLETS PER CODE @ HOUSE
- CENTER LIGHT FIXTURES WITHIN ROOM
- BATH FAN ON LOWER LEVEL/FIRST FLOOR:
VENT @ FLOOR RIM
BATH FAN ON 2ND FLR OR MAIN FLR (RANCH):
VENT THRU ROOF
- DOOR BELLS AT EXTERIOR ENTRY DOORS.
- GASKETED ELECTRIC BOXES WHEN LOCATED
ON EXTERIOR WALLS AND CEILINGS

MATERIALS

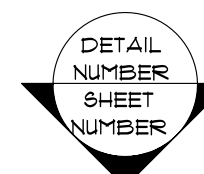
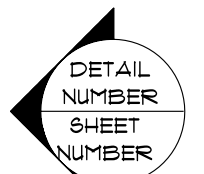
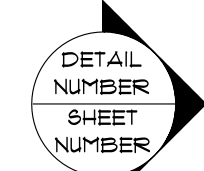
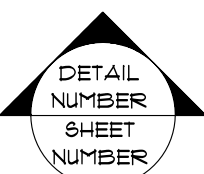
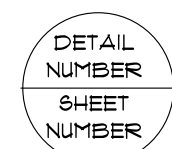
	ASPHALT SHINGLES
	CONCRETE
	PORCH LATTICE
	RIGID INSULATION @ RIM
	RIGID INSULATION @ FOUNDATION / FOAM WALL SHEATHING
	WALL OR ATTIC INSULATION
	WOOD BLOCKING
	WOOD GRAIN

WALL TYPES

SEE PLAN FOR WALL SIZE

	POURED CONCRETE WALL
	REINFORCED WALL - ICF
	GARAGE WALL
	HOUSE - GARAGE WALL
	EXTERIOR WALL
	PRIVACY WALL (TWIN HOMES)
	PARTY WALL (TWIN HOMES)
	INTERIOR WALL
	INTERIOR HALF WALL
	INTERIOR SLOPED WALL
	INTERIOR BEARING WALL
	INTERIOR FUTURE WALL
	EXISTING WALL

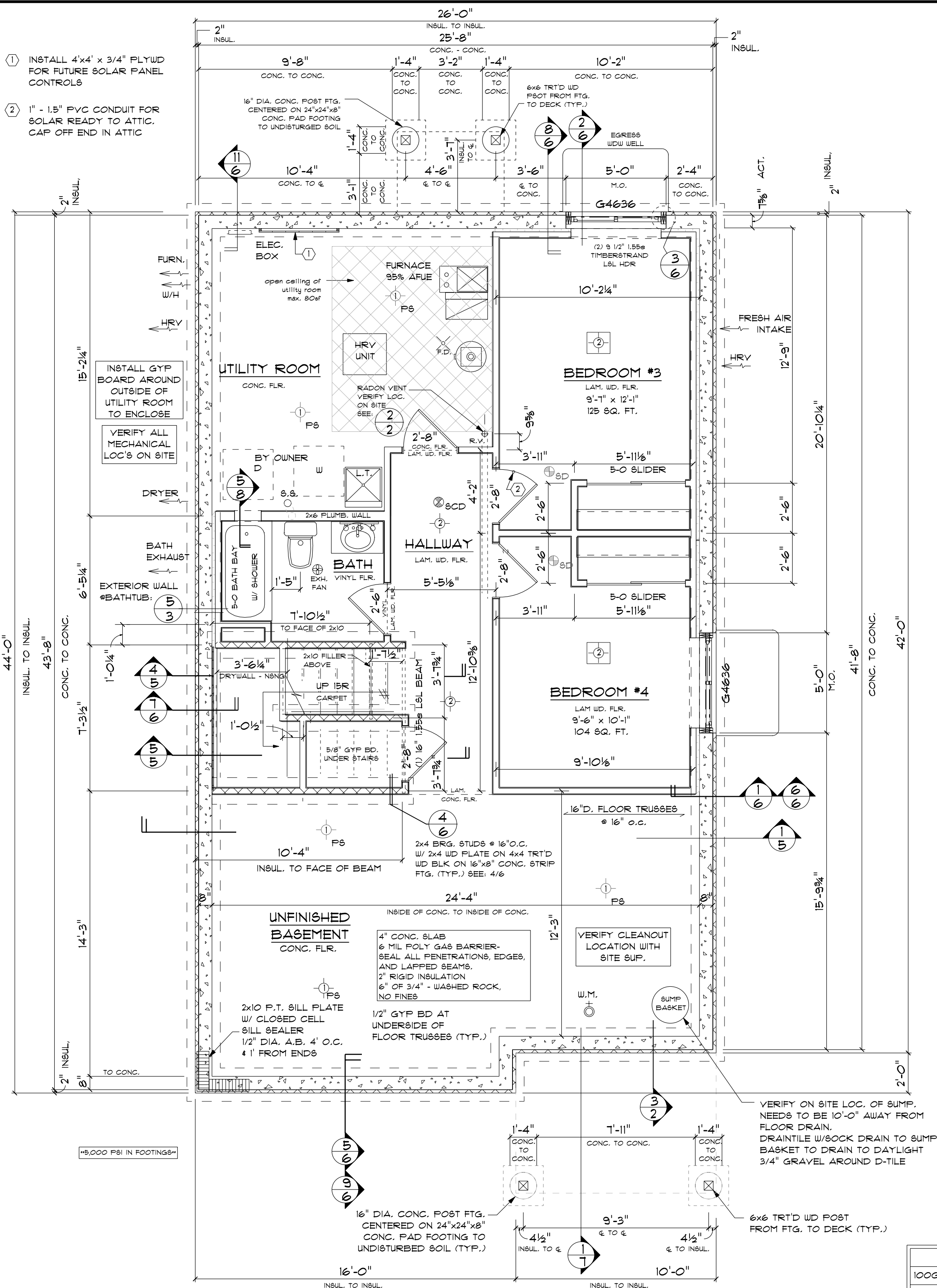
SECTION/ ELEVATION/ DETAIL



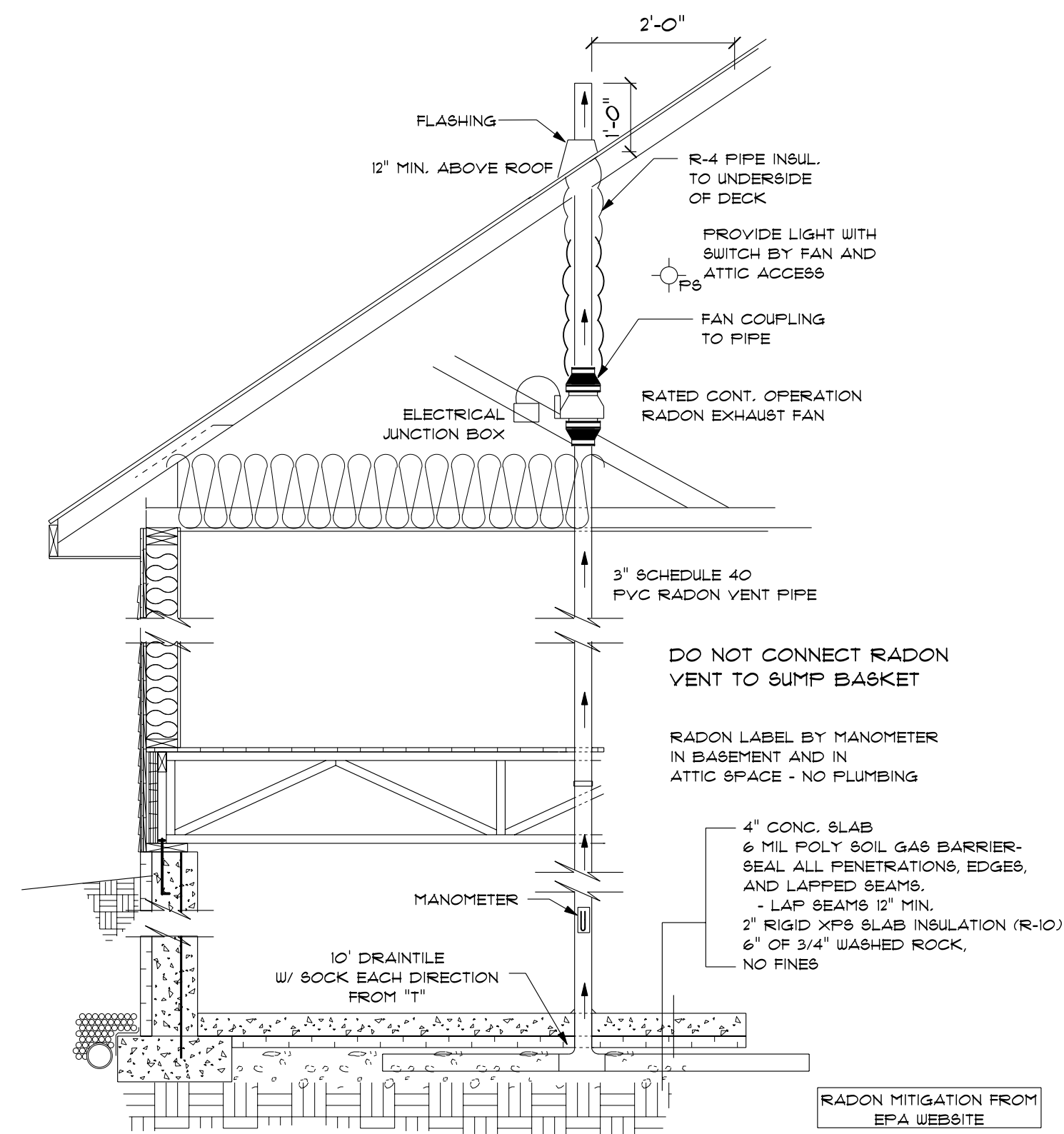
ABBREVIATIONS

A.B.	ANCHOR BOLT	MAS	MASONRY
A/C	AIR CONDITIONING	MAX.	MAXIMUM
ADD'L	ADDITIONAL	MECH.	MECHANICAL
ADJ.	ADJUSTABLE	MED.	MEDIUM
ALT.	ALTERNATE	MFR.	MANUFACTURER
ALUM.	ALUMINUM	MIN.	MINIMUM
APPROX.	APPROXIMATE	MISC.	MISCELLANEOUS
ARCH.	ARCHITECTURAL	M.O.	MASONRY OPENING
		MTL	METAL
		MULL.	MULLION
BD.	BOARD	N/A	NOT APPLICABLE
BLKG	BLOCKING	N.T.S.	NOT TO SCALE
BLDG.	BUILDING		
BM.	BEAM		
BOT.	BOTTOM		
BRG.	BEARING		
CAB.	CABINET	O.C.	ON CENTER
CER.	CERAMIC	OH	OVER HEAD
C.H.R.	CLEAR HEAD ROOM	OPNG	OPENING
CIR.	CIRCLE	OPP	OPPOSITE
CL.	CENTER LINE	OZ.	OUNCE
CLG.	CEILING	PC	PRECAST CONCRETE
CLR.	CLEAR - CLEARANCE	PL	PLATE
CMU	CONCRETE MASONRY UNIT	P.S.	PORCELAIN SOCKET
COL	COLUMN	P.SF	POUNDS PER SQUARE FOOT
CONC.	CONCRETE	P.SI	POUNDS PER SQUARE INCH
CONST	CONSTRUCTION	P.T.	PRE-TREATED
CONT.	CONTINUOUS/CONTINUE	PLWD	PLYWOOD
CPT	CARPET	QTY	QUANTITY
CT	CERAMIC TILE		
D	DRYER	R	RISER
DBL.	DOUBLE	RAD	RADIUS
DIA.	DIAMETER	RD	ROOF DRAIN
DIM.	DIMENSION	REV	REVISION
DN	DOWN	REF.	REFRIGERATOR
DR	DOOR	REF.	REFERENCE
DWG	DRAWING	REINF	REINFORCED
		REQ.	REQUIRED
		RH	RIGHT HAND
		RM	ROOM
		R.O.	ROUGH OPENING
		R.V.	RADON VENT
EA	EACH	SCD	SMOKE/CARBON MONOXIDE COMBO DETECTOR
ELEC.	ELECTRIC/ELECTRICAL	SD	SMOKE DETECTOR
ELEV.	ELEVATION	SF	SQUARE FOOT/FEET
ENG.	ENGINEER	SGL	SINGLE
EQ.	EQUAL	SHEATH	SHEATHING
EXH.	EXHAUST	SHT	SHEET
EXIST.	EXISTING	SIM	SIMILAR
EXT.	EXTERIOR	SPEC	SPECIFICATION
		SQ.	SQUARE
		SS	STAINLESS STEEL
		STD	STANDARD
		STL	STEEL
		STOR	STORAGE
		STRUCT	STRUCTURAL
FD	FLOOR DRAIN	T	TREAD
FDN	FOUNDATION	T.O.	TOP OF
FFE	FINISHED FLOOR ELEVATION	TEL	TELEPHONE
FLG	FLOORING	T&G	TONGUE & GROOVE
FLR	FLOOR	THRU	THROUGH
FLOUR.	FLUORESCENT	TRTD	TREATED
FRIG.	REFRIGERATOR	TYP.	TYPICAL
FT	FOOT - FEET	UNEXC	UNEXCAVATED
FTG.	FOOTING	UNO	UNLESS NOTED OTHERWISE
FUT.	FUTURE		
FURN.	FURNACE		
GALV.	GALVANIZED	VERT.	VERTICAL
GL	GLASS	VT.	VINYL TILE
GYP. BD.	GYPSEUM BOARD		
		W	WASHER
		W	WIDTH
		W/	WITH
		WD	WOOD
		WDW	WINDOW
		W.H.	WATER HEATER
		W/O	WALK OUT
		WP	WATERPROOFING
		WT	WEIGHT
		YD.	YARD
ICF	INSULATED CONCRETE FORMS		
IN	INCH		
INCL.	INCLUDING		
INFO	INFORMATION		
INSUL	INSULATION		
INT	INTERIOR		
JT.	JOINT		
KIT.	KITCHEN		
LAM.	LAMINATE/LAMINATED		
LB.	FOUND		
LH	LEFT HAND		
LIN.	LINEAR		
LL	LIVE LOAD		

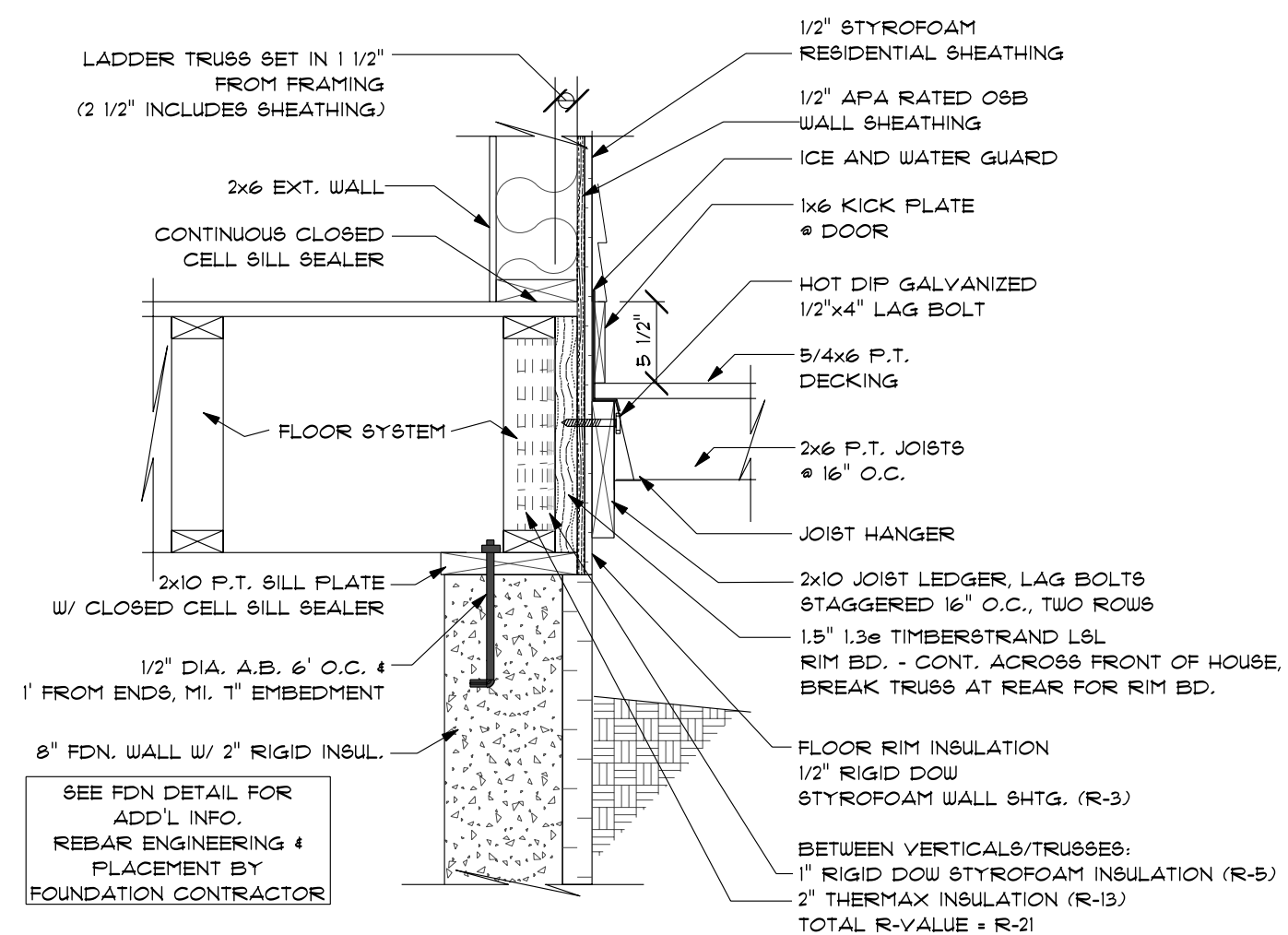
2 1" - 1.5" PVC CONDUIT FOR
SOLAR READY TO ATTIC.
CAP OFF END IN ATTIC



1 FOUNDATION PLAN
2 1/4" = 1'-0"



2 ACTIVE RADON VENT DETAIL
2 1/2" = 1'-0"



3 DECK/HOUSE DETAIL
2 SCALE: 1" = 1'-0"

PRODUCT CODE	TYPE	HINGE DIRECTION	CONC. OPENING	R.O. SIZE	COUNT	EGRESS	COLOR	COMMENTS
100G4636	GLIDING WINDOW	NN	M.O. 5'-0" x 3'-9"	R.O. 4'-6" x 3'-6"	2	YES	WHITE	-
2-6 INTERIOR DOOR LH FLUSH	DOOR	L	-	R.O. 2'-8"	1	-	-	-
2-8 INTERIOR DOOR LH FLUSH	DOOR	L	-	R.O. 2'-10"	1	-	-	-
2-8 INTERIOR DOOR RH FLUSH	DOOR	R	-	R.O. 2'-10"	3	-	-	-
5-0 BY PASS DOOR	SLIDING DOOR	NN	-	R.O. 4'-11 1/2"	2	-	-	-

2 of 9

REVISIONS:

[illegible]

DRAWN BY: M. RICE

DATE: 5-10-19

PLOT DATE: 6/5/2019

CHECKED BY: M. OJEDA

SINGLE FAMILY DWELLING SITE: 1629
MODEL: 2TR4-2
6310 IRVING AVE. S.
RICHFIELD, MN 55423

FOUNDATION PLAN

11954 UNIVERSITY AVE. W.
ST. PAUL, MN 55104

OFFICE: 651-207-1700

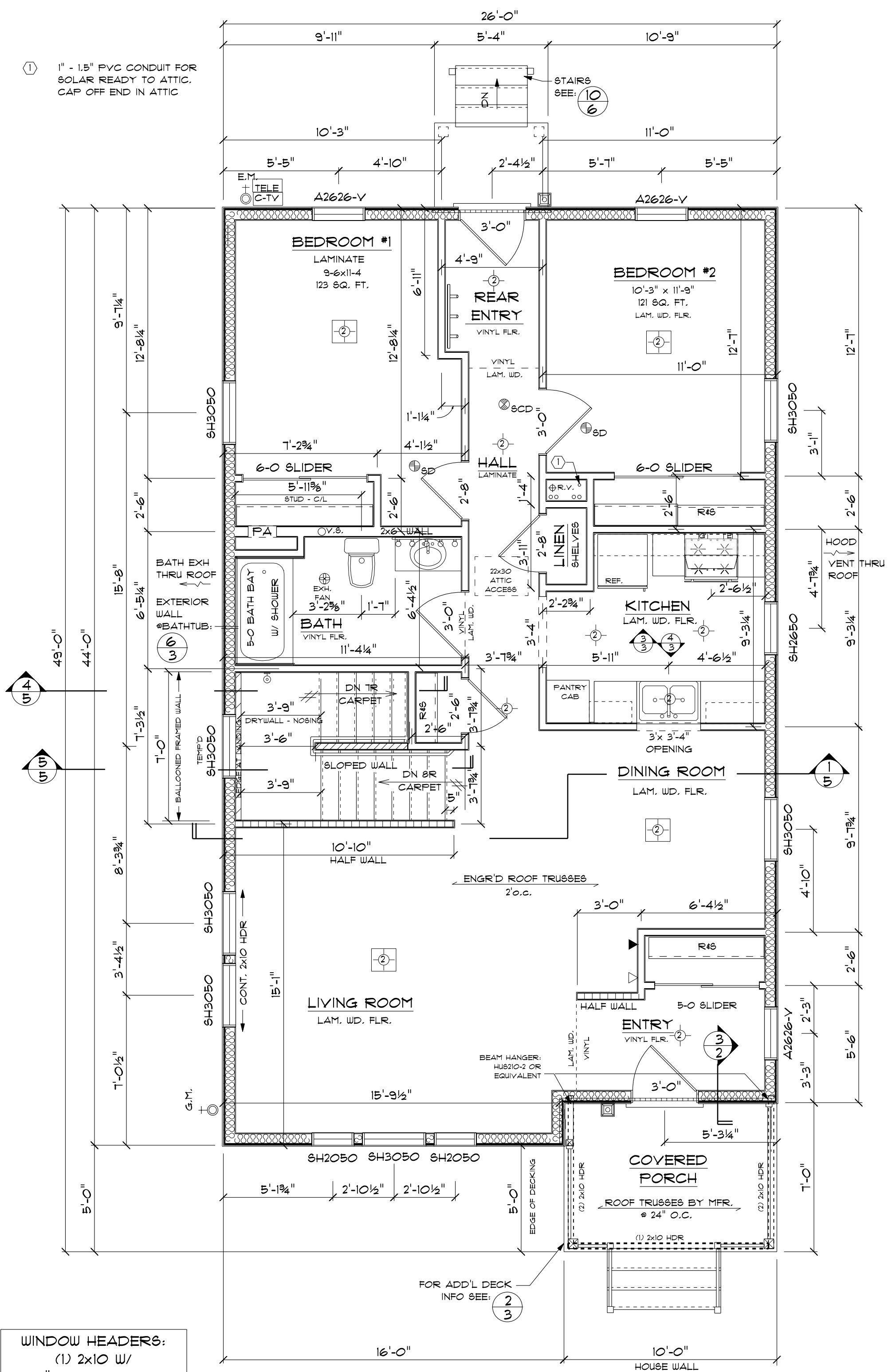
OFFICE: 651-207-1700

MN BLD RS LIC. # BC005603

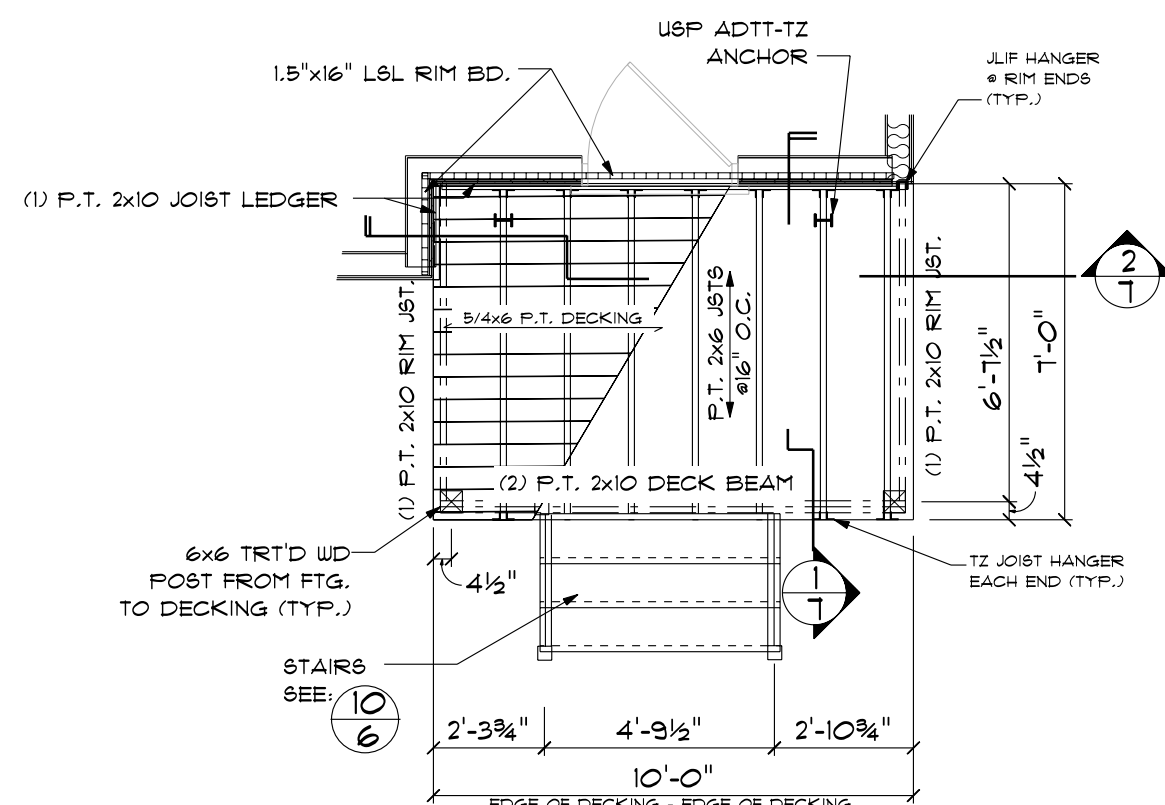


Twin Cities
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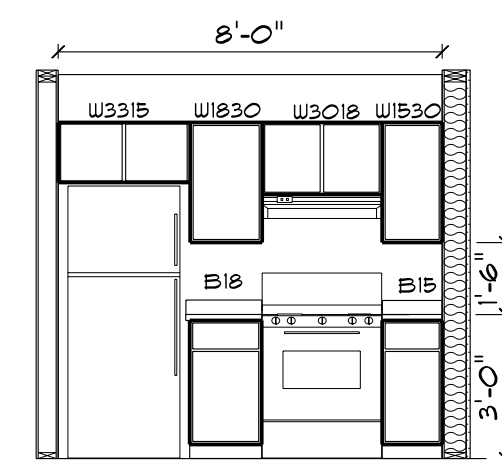
① 1" - 1.5" PVC CONDUIT FOR
SOLAR READY TO ATTIC.
CAP OFF END IN ATTIC



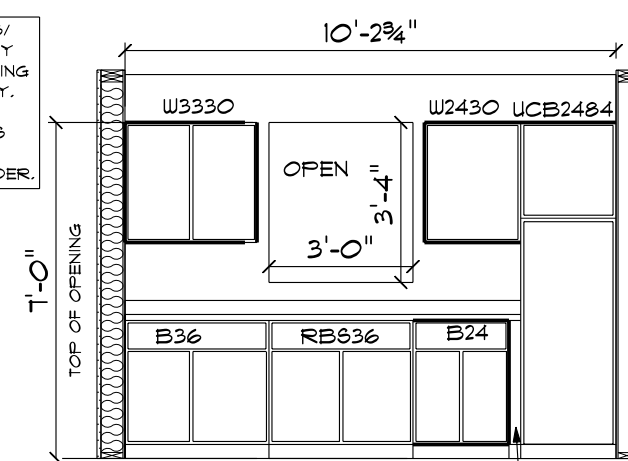
1 FIRST FLOOR PLAN
3 1/4" = 1'-0"



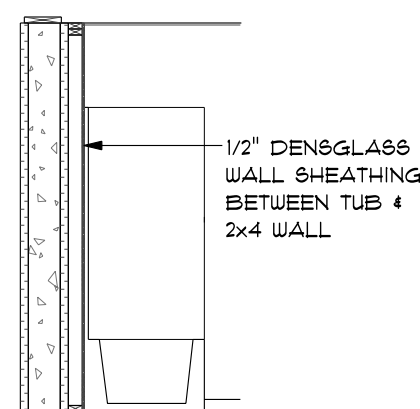
2 FRONT PORCH PLAN
3 1/4" = 1'-0"



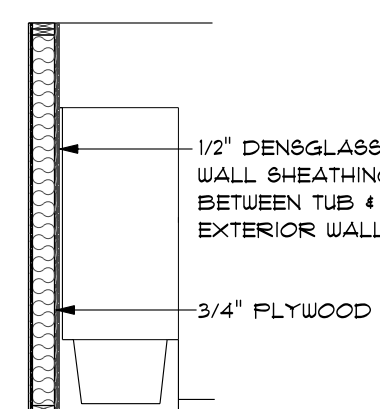
3 CABINET ELEVATION
3 1/4" = 1'-0"



4 CABINET ELEVATION
3 1/4" = 1'-0"



5 BASEMENT BATHTUB
3 SCALE: 1/4" = 1'-0"



6 BATHTUB DETAIL
3 SCALE: 1/4" = 1'-0"

FIRST FLOOR OPENING SCHEDULE

OPENING SCHEDULE								
PRODUCT CODE	TYPE	HINGE DIRECTION	R.O. SIZE	COUNT	*F.P. - FALL PREVENTION DEVICE	EGRESS	COLOR	COMMENTS
100A2626-V	AWING	VENTING	R.O. 2'-6" x 2'-6"	3	-	NO	WHITE	*100 SERIES
100SH2050	SINGLE HUNG	N	R.O. 2'-0" x 5'-0"	2	-	NO	WHITE	*100 SERIES
100SH2650	SINGLE HUNG	N	R.O. 2'-6" x 5'-0"	1	-	NO	WHITE	*100 SERIES
100SH3050	SINGLE HUNG	N	R.O. 3'-0" x 5'-0"	6	-	YES	WHITE	*100 SERIES
100SH3050 TEMP'D	SINGLE HUNG	N	R.O. 3'-0" x 5'-0"	1	-	YES	WHITE	*100 SERIES
3-0 ENTRY DOOR 2x6 RH	DOOR	R	R.O. 3'-2 1/2"	2	-	-	-	-
2-6 INTERIOR DOOR LH FLUSH	DOOR	L	R.O. 2'-8"	1	-	-	-	-
2-8 INTERIOR DOOR LH FLUSH	DOOR	L	R.O. 2'-10"	1	-	-	-	-
2-8 INTERIOR DOOR RH FLUSH	DOOR	R	R.O. 2'-10"	1	-	-	-	-
3-0 INTERIOR DOOR LH FLUSH	DOOR	L	R.O. 3'-2"	1	-	-	-	-
3-0 INTERIOR DOOR RH FLUSH	DOOR	R	R.O. 3'-2"	1	-	-	-	-
5-0 BY PASS DOOR	SLIDING DOOR	NN	R.O. 4'-11"	1	-	-	-	-
6-0 BY PASS DOOR	SLIDING DOOR	NN	R.O. 5'-11"	2	-	-	-	-

Sheet 3 of 6

REVISIONS:

[illegible]

DRAWN BY: M. RICE

DATE: 5-10-19

PLOT DATE: 6/14/2019

CHECKED BY: M. OJEDA

SINGLE FAMILY DWELLING SITE: 1629

SINGLE FAMILY DWELLING
MODEL: 2TR4-2

6310 IRVING AVE. S.
RICHFIELD, MN 55423

FIRST FLOOR PLAN

11954 UNIVERSITY AVE. W.
ST. PAUL, MN 55104

OFFICE: 651-207-1700

FAX: 651-641-8641

MN BLD RS LIC. # BC005603

Twin Cities



Twin Cities
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for Humanity

REVISIONS

[illegible]

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SINGLE FAMILY DWELLING SITE: 1629

MODEL: 2TR4-2
6630 IRVING AVE. S.
RICHFIELD, MN 55423

EXTERIOR ELEVATIONS

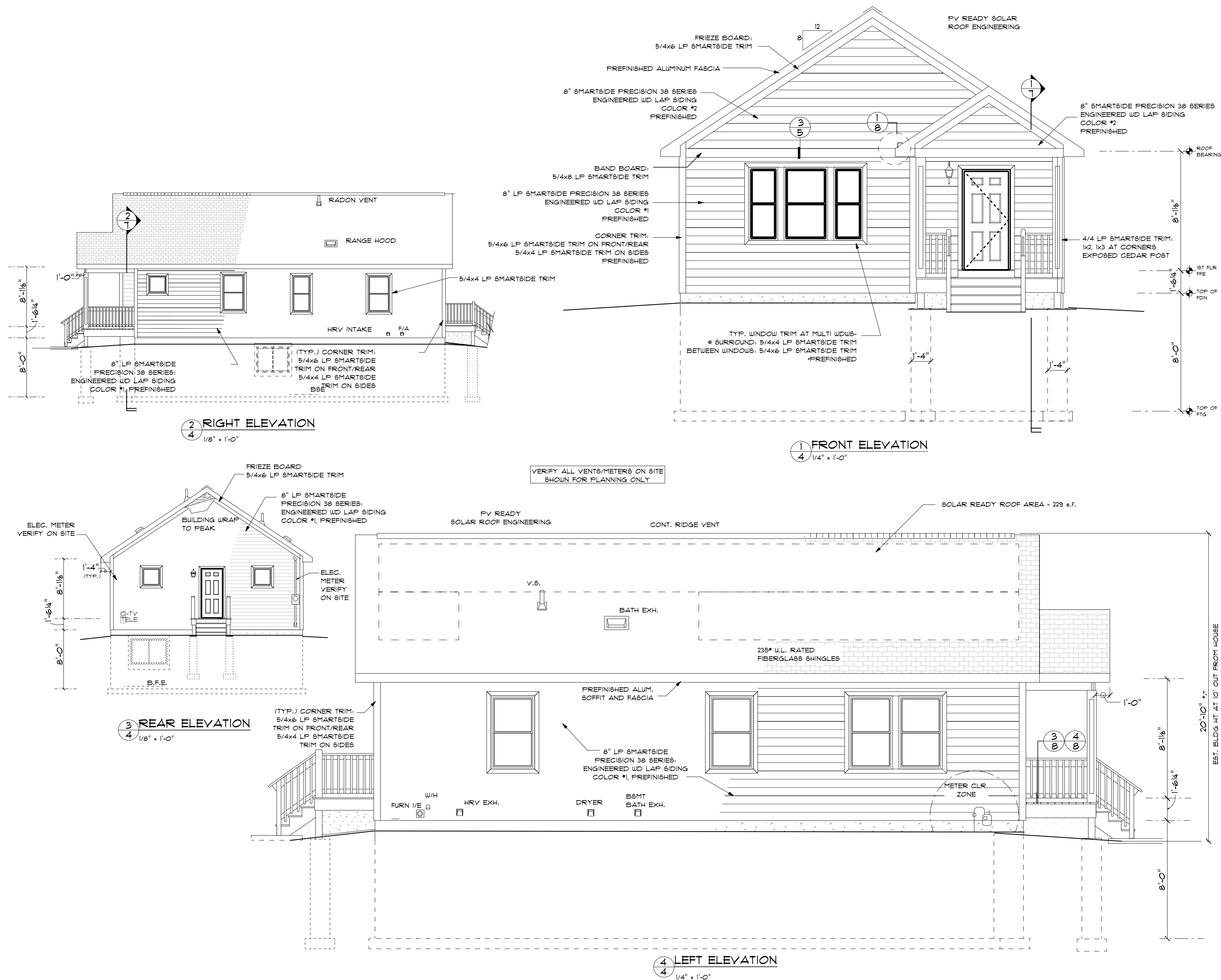
1954 UNIVERSITY AVE. W.

ST. PAUL, MN 55104

OFFICE: 651-207-1700

FAX: 651-641-8641

MN BLD RS LIC. # BC005603



REVISIONS:

DATE	REVISION

DRAWN BY: M. RICE

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SINGLE FAMILY DWELLING SITE: 1629
MODEL: 2TR4-2

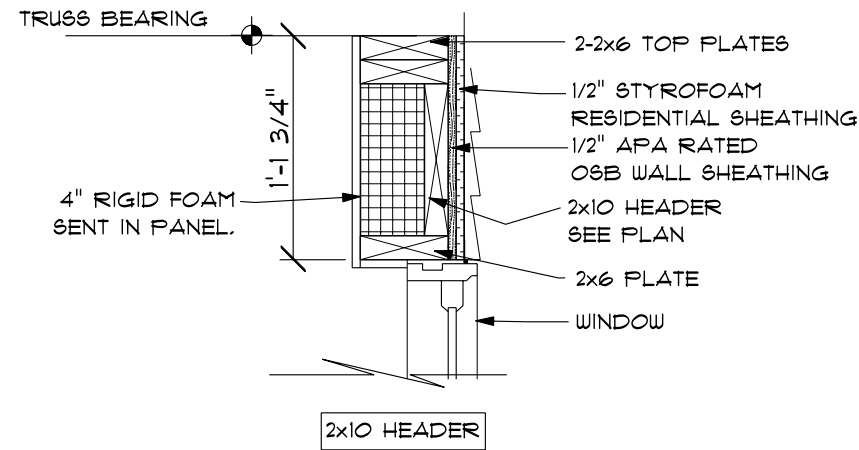
6310 IRVING AVE. S.
RICHFIELD, MN 55423

STAIR & BUILDING SECTIONS

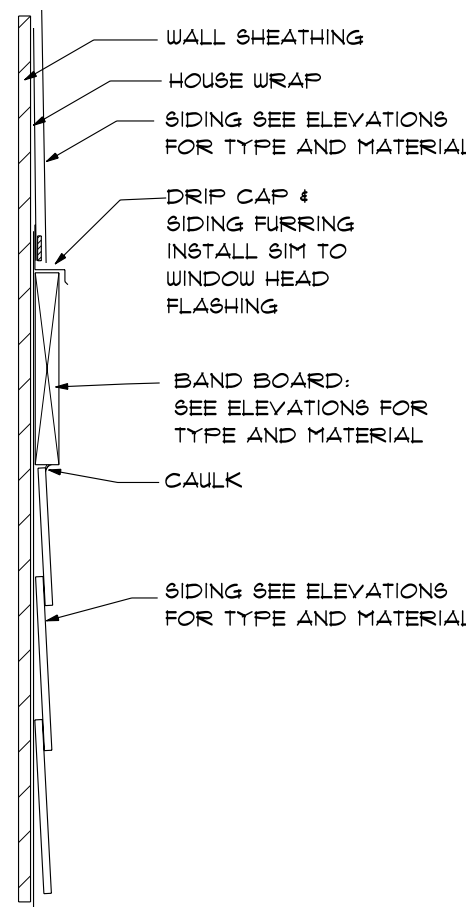
1954 UNIVERSITY AVE. W.
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MN BLDG LIC. # BC005603



2
5 EXTERIOR HDR DETAIL
SCALE: 1" = 1'-0"



3
5 SIDING TRANSITION DETAIL
N.T.S.

235+ U.L. APPROVED FIBERGLASS SHINGLES
ICE AND WATER SHIELD, 2' FAST WARM SIDE OF WALL
15' ASPHALT FELT ABOVE ICE GUARD
1/2" APA RATED OSB ROOF SHEATHING
WINDUASH WITH VENT CHUTE AT EACH TRUSS BAY
PREFINISHED ALUM. DRIP EDGE, ALL EDGES

USP TIE IN LINE WITH
ANCHOR BOLT LOCATIONS.
(TYP.)

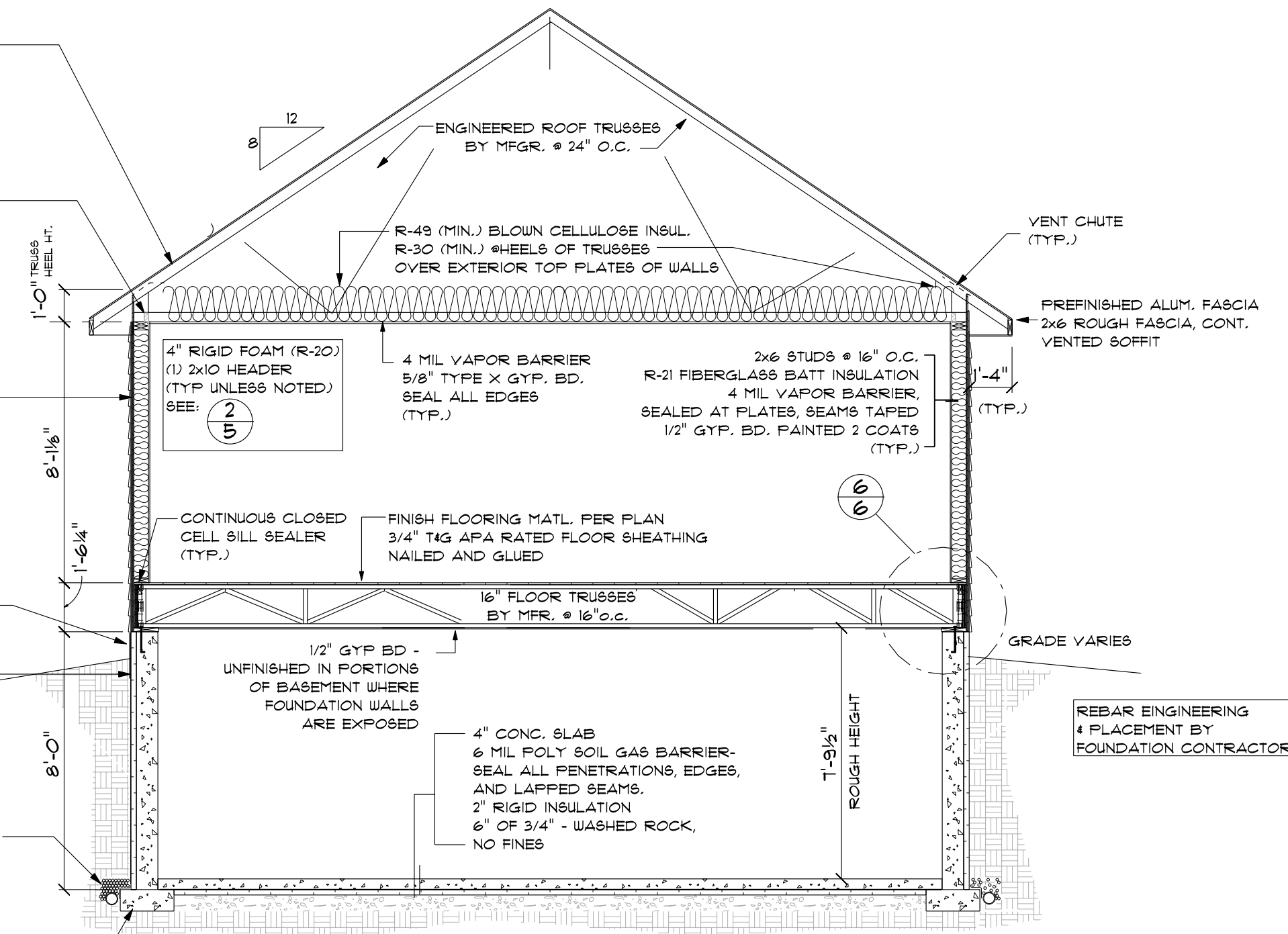
TYP. EXTERIOR WALL & FRAMING
LP SMARTSIDE LAP SIDING (TYP.)
BUILDING HOUSE WRAP, SEAL ALL EDGES/
1/2" STYROFOAM RESIDENTIAL SHEATHING/
1/2" APA RATED OSB WALL SHEATHING/

GLASS LINER PROTECTION
OVER FOAM TO 6" MIN. BELOW
FINISHED GRADE

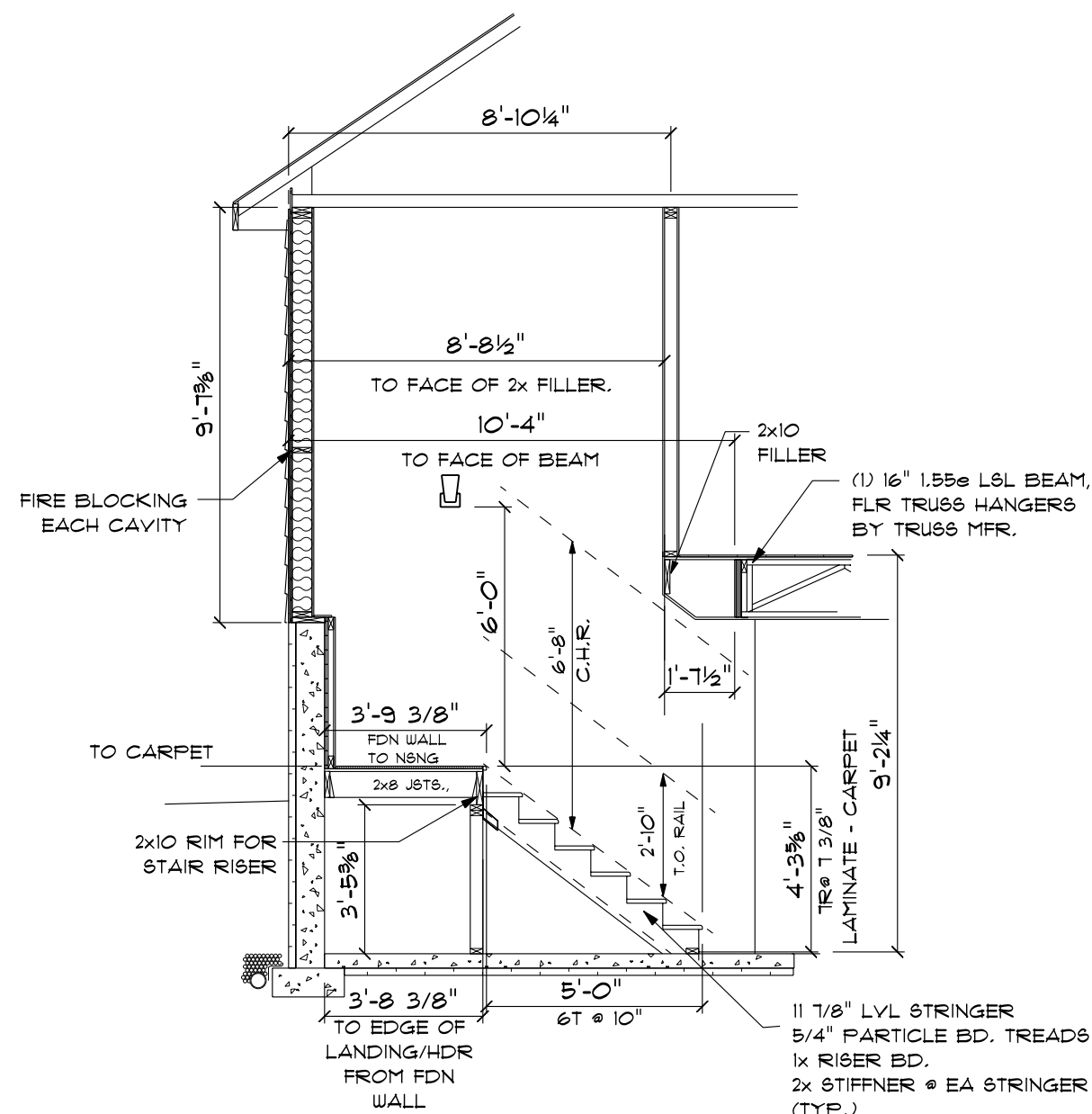
8" FDN. WALL
W/ 2" RIGID INSUL.
SEE: 6

CONTINUOUS DRAINTILE W/BOCK,
DRAIN TO SUMP BASKET,
BASKET TO DRAIN TO DAYLIGHT
3/4" GRAVEL AROUND D-TILE

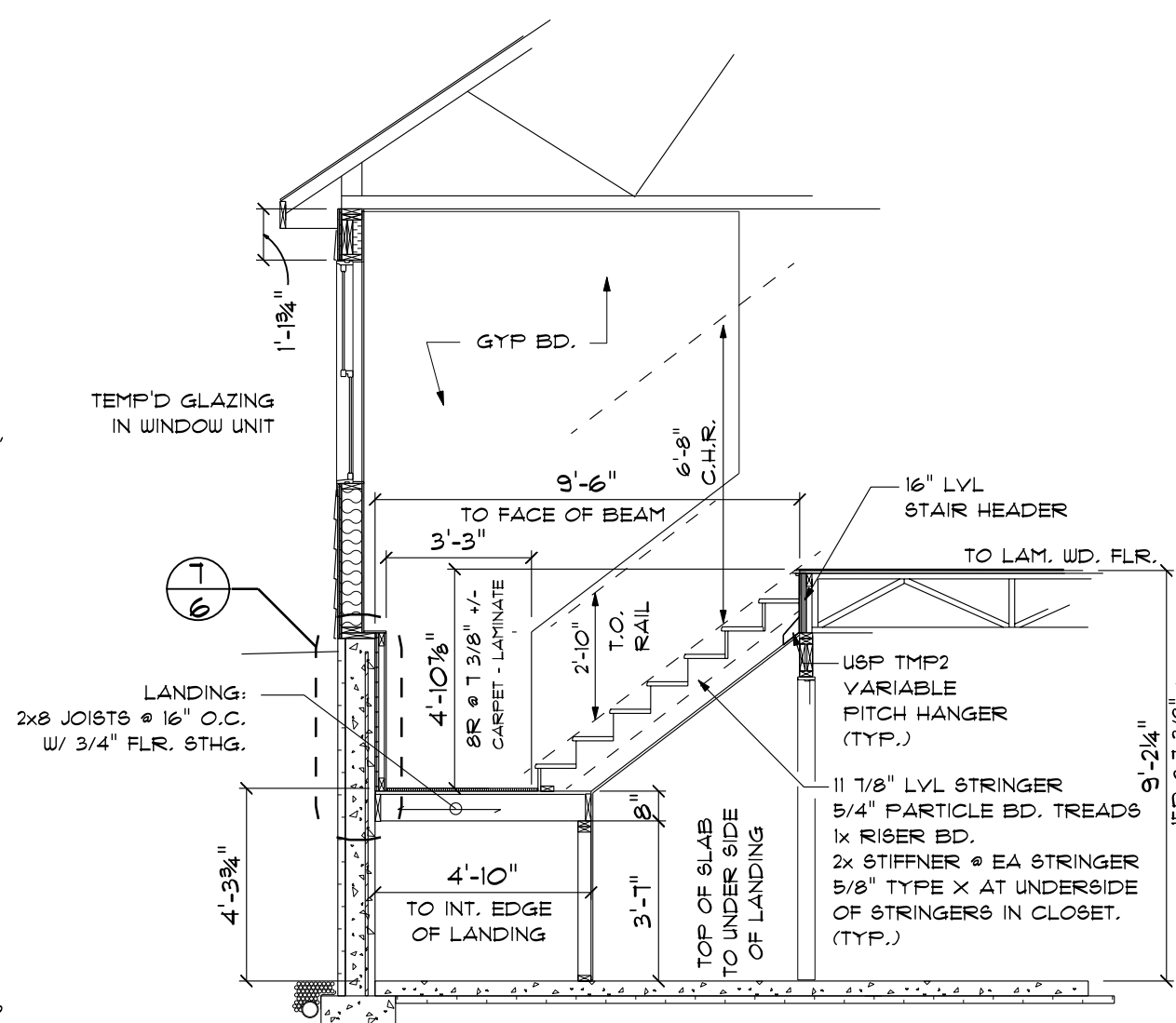
20"x8" CONC. FTG
(5000psi DESIGN MIX
ALL STRIP FTGS. TYP.)



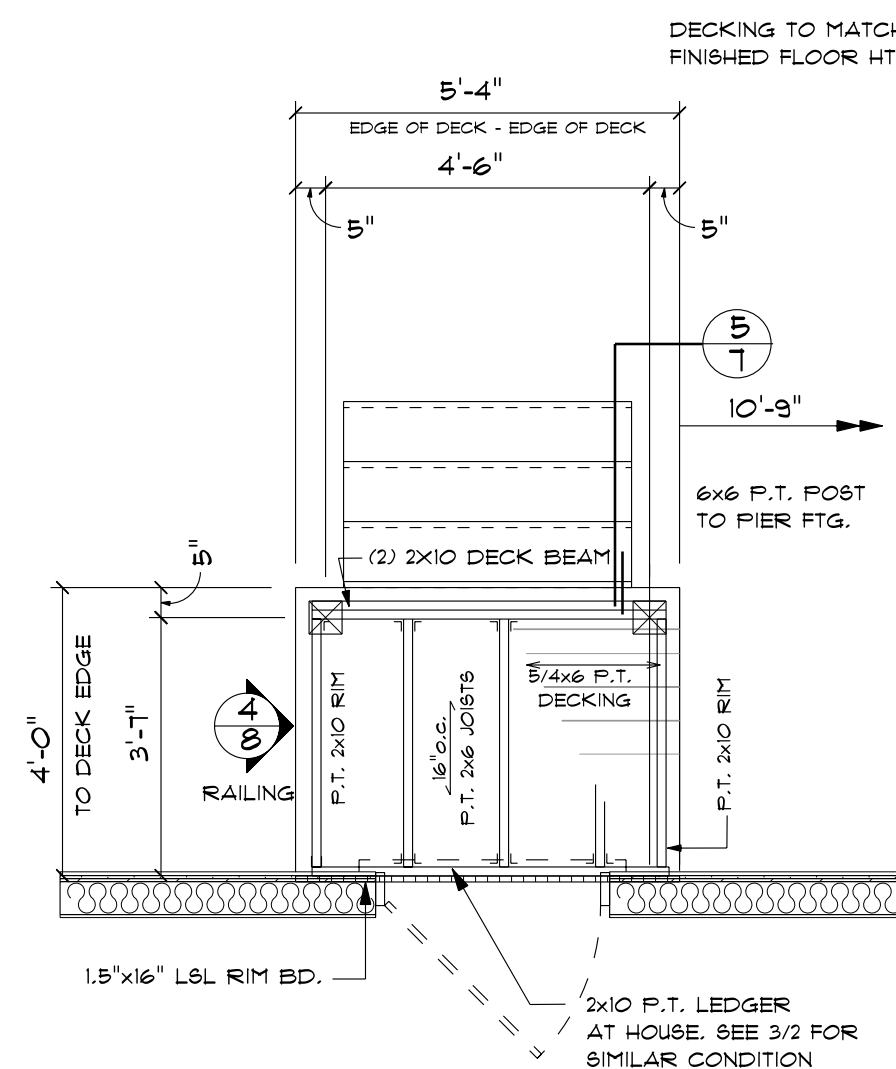
1
5 BUILDING SECTION
SCALE: 1/4" = 1'-0"



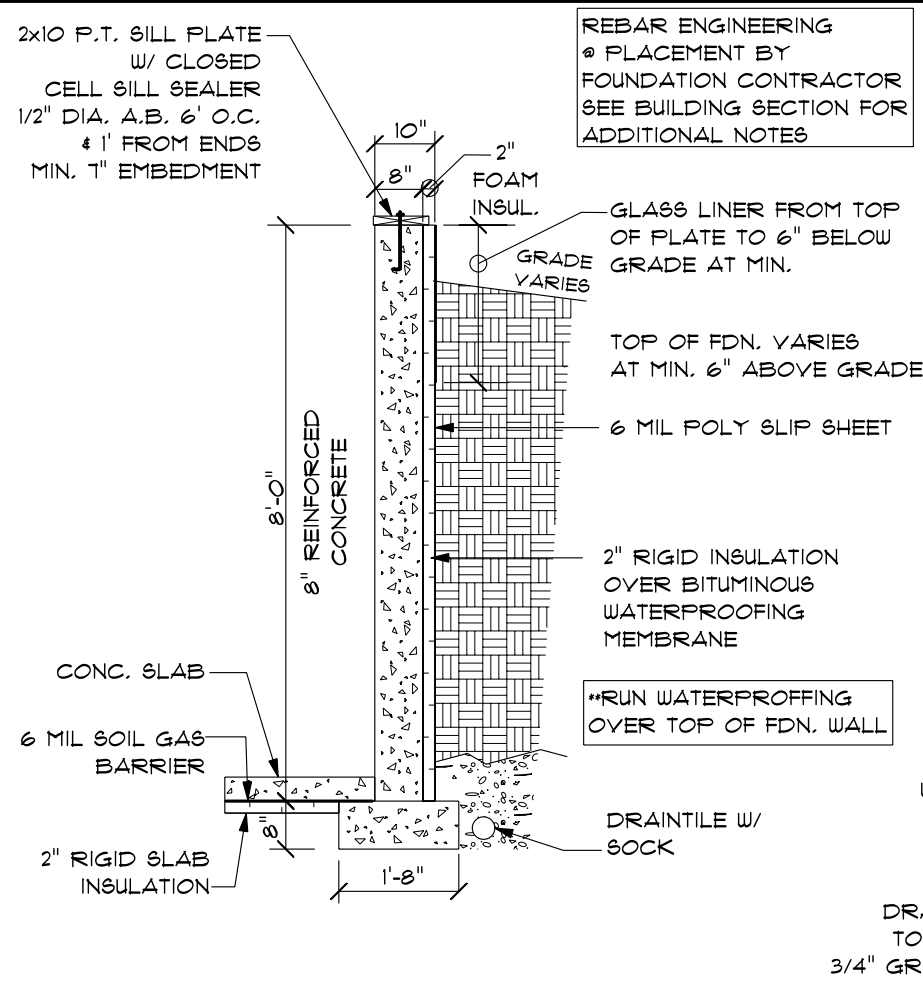
4
5 STAIR SECTION
SCALE: 1/4" = 1'-0"



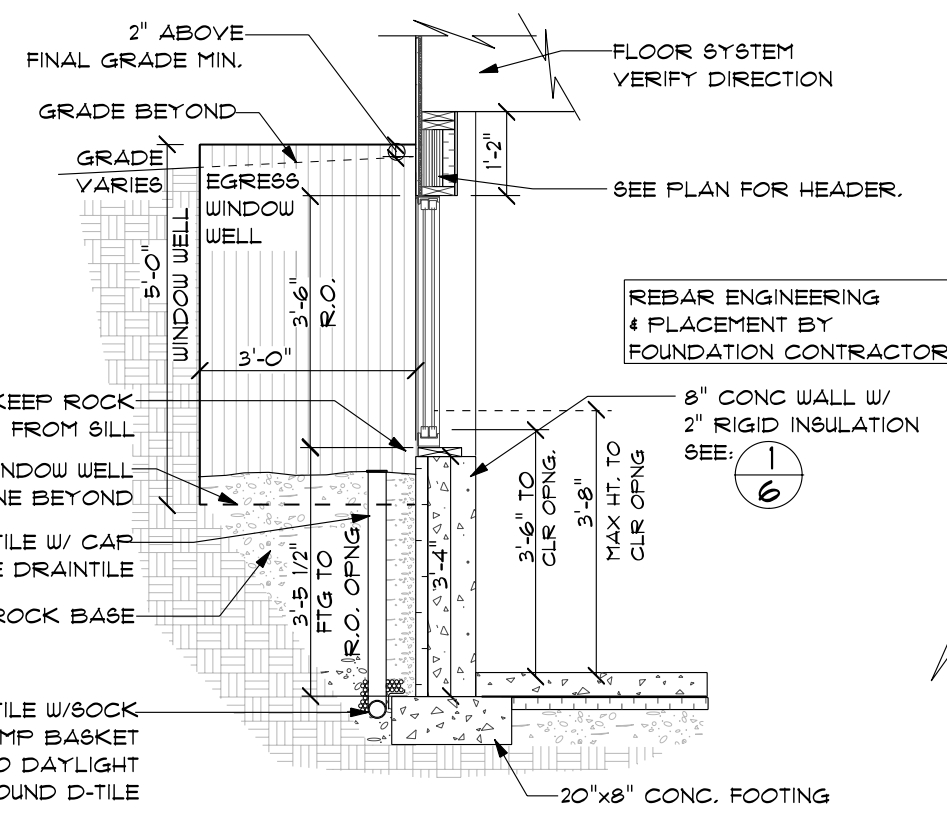
5
5 STAIR SECTION
SCALE: 1/4" = 1'-0"



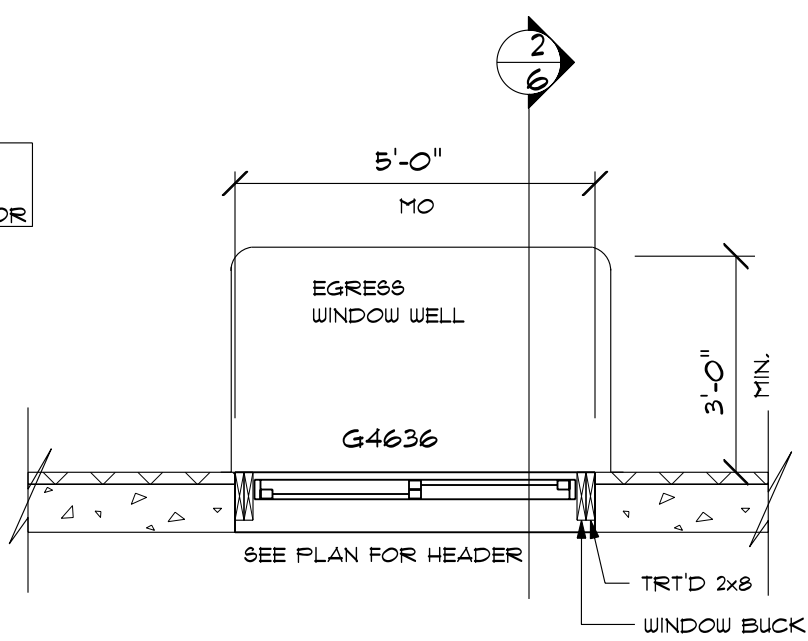
6
5 REAR ENTRY DECK DETAIL
3/8" = 1'-0"



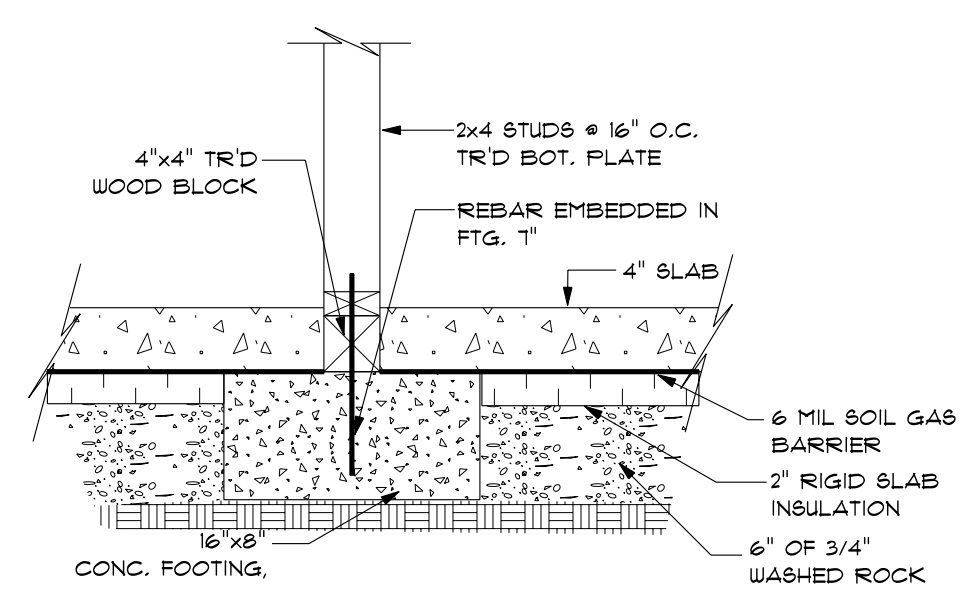
1 FOUNDATION WALL SECTION
6 SCALE: 3/8" = 1'-0"



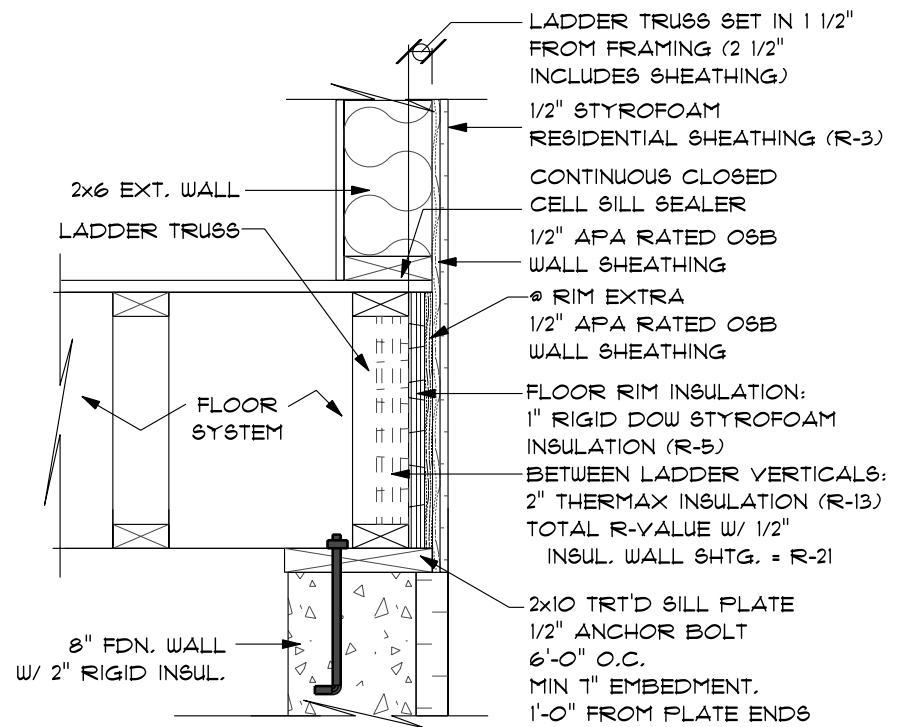
2 SECTION @ EGRESS WINDOW
6 SCALE: 3/8" = 1'-0"



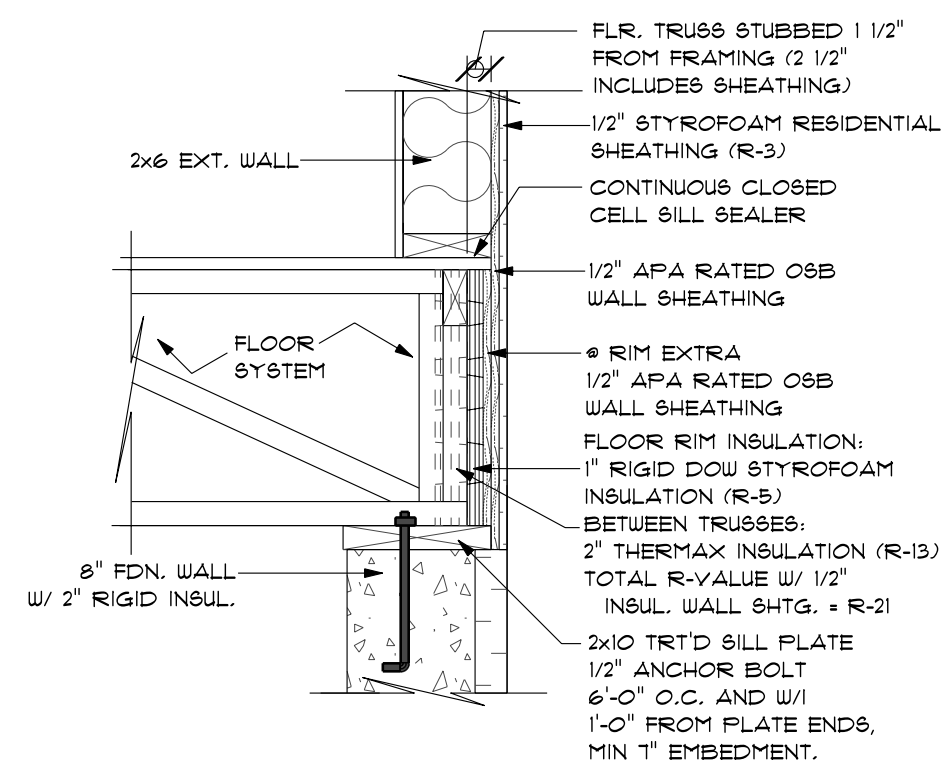
3 EGRESS WINDOW R.O.
6 SCALE: 3/8" = 1'-0"



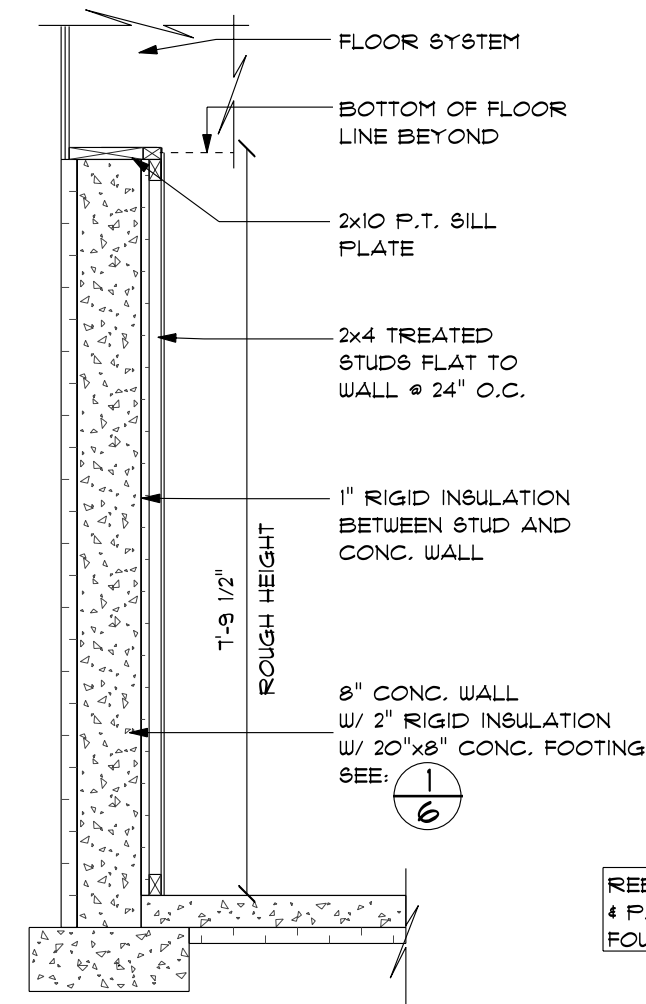
4 2x4 BEARING WALL DETAIL
6 SCALE: 1" = 1'-0"



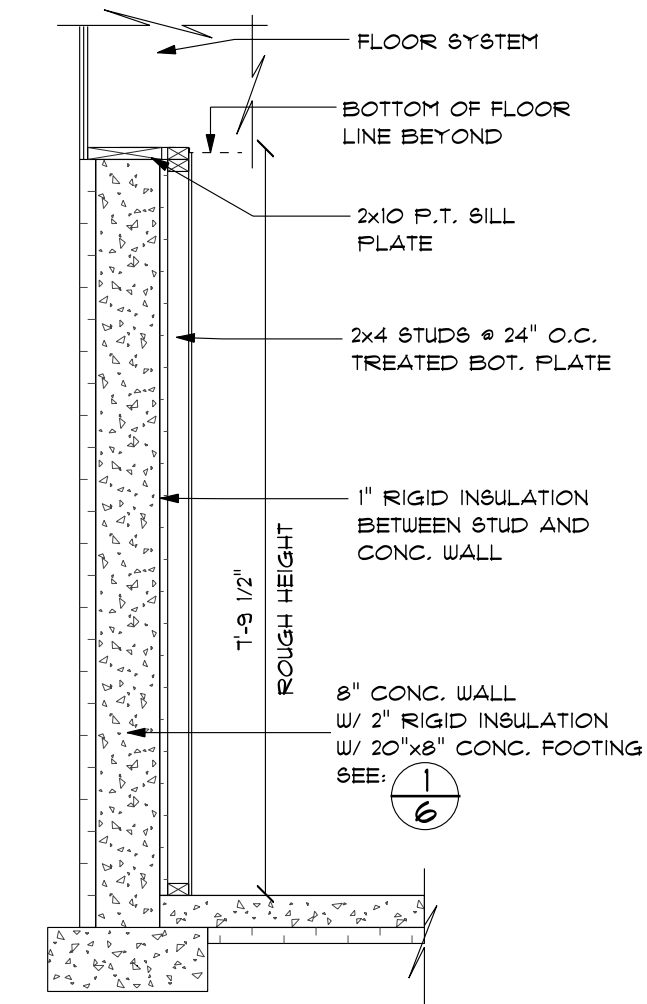
5 RIM @ LADDER TRUSS
6 SCALE: 1" = 1'-0"



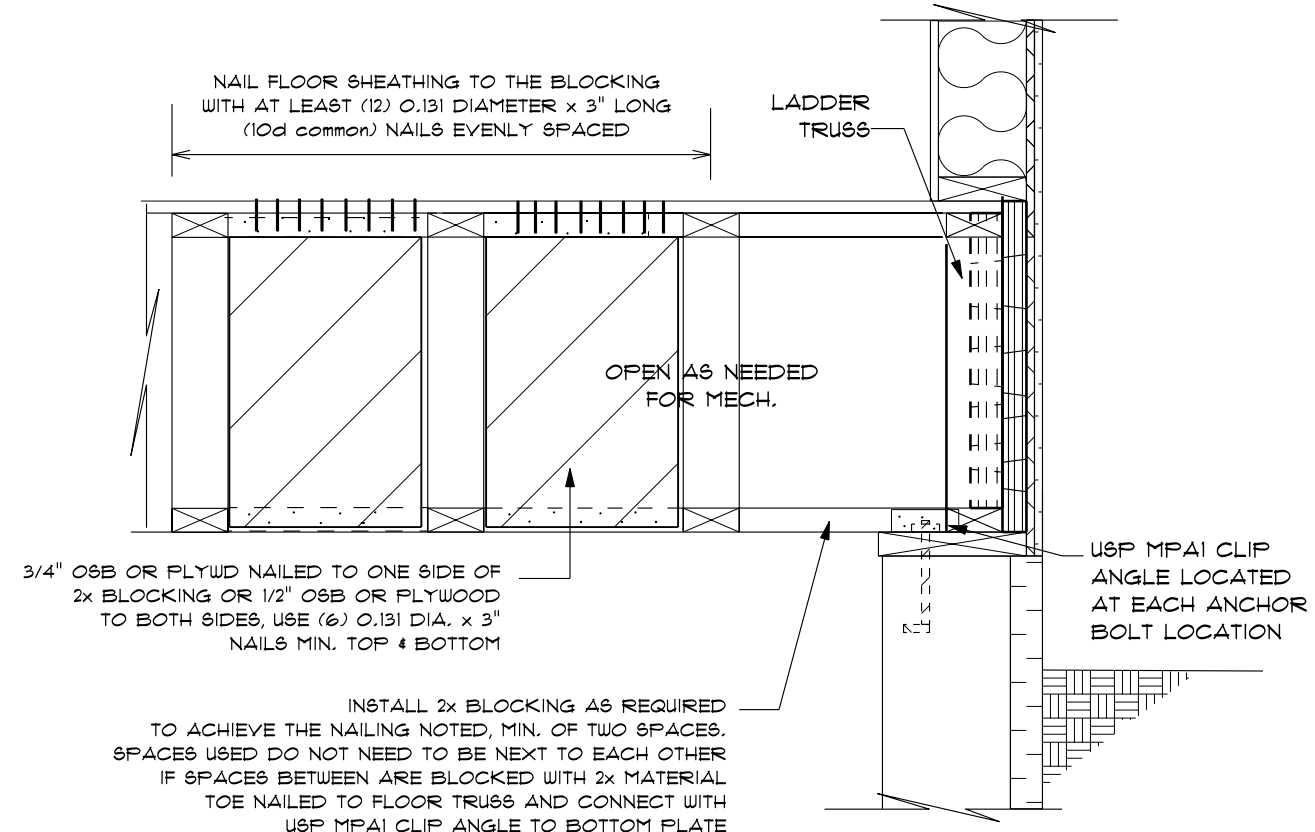
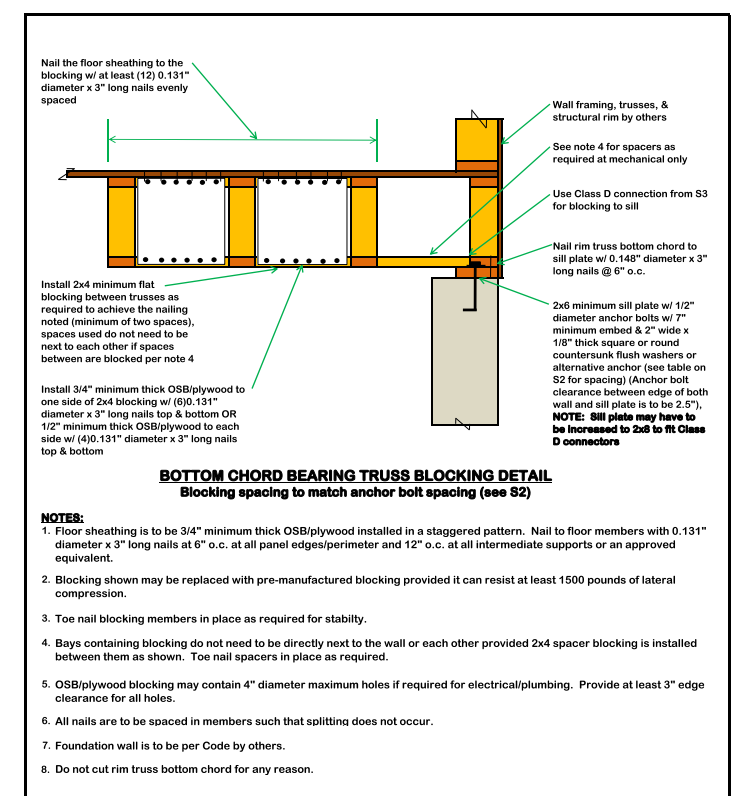
6 RIM @ TRUSS BEARING
6 SCALE: 1" = 1'-0"



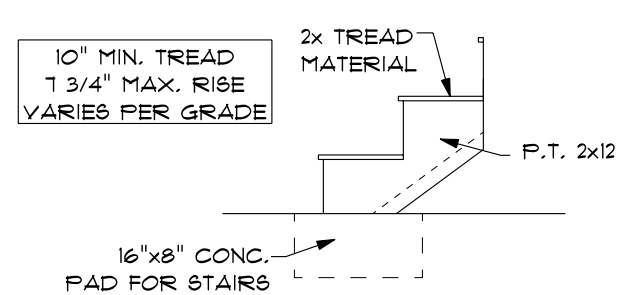
7 2x2 FURRED WALL DETAIL
6 SCALE: 1/2" = 1'-0"



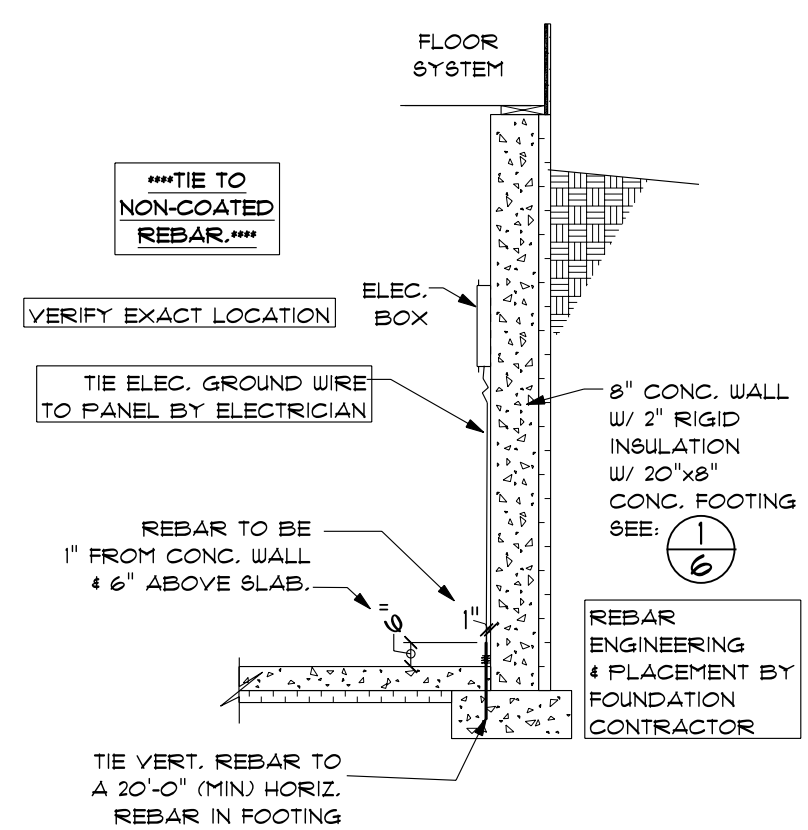
8 2x4 FURRED WALL DETAIL
6 SCALE: 1/2" = 1'-0"



9 PARALLEL FOUNDATION WALL BRACING DETAIL
6 SCALE: 1" = 1'-0"



10 PORCH STAIR DETAIL
6 SCALE: 1/2" = 1'-0"



11 ELEC. BOX DETAIL
6 SCALE: 3/8" = 1'-0"

REVISIONS:

DATE	REVISION

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6310 IRVING AVE. S.
RICHFIELD, MN 55423

FOUNDATION & RIM DETAILS

1954 UNIVERSITY AVE. W.
ST. PAUL, MN 55104
OFFICE: 651-207-1700
FAX: 651-641-8641
MN BLDRS LIC. # BC005603

REVISIONS:

DATE	REVISION

DRAWN BY: M. RICE

DATE: 5-10-19

PLOT DATE: 6/5/2019

CHECKED BY: M. OJEDA

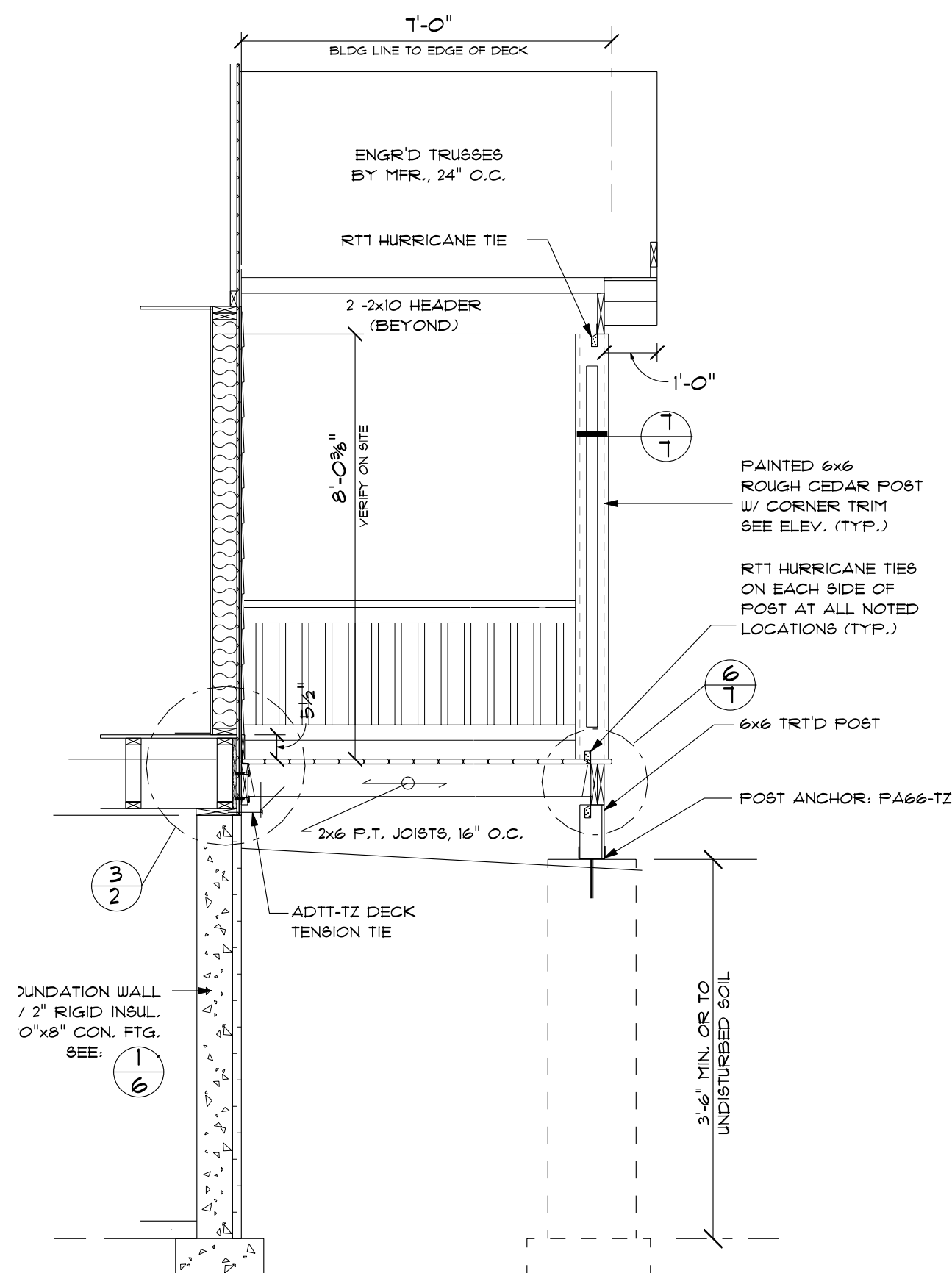
SINGLE FAMILY DWELLING SITE: 1629
MODEL: 21R4-2
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PORCH FRAMING & DETAILS

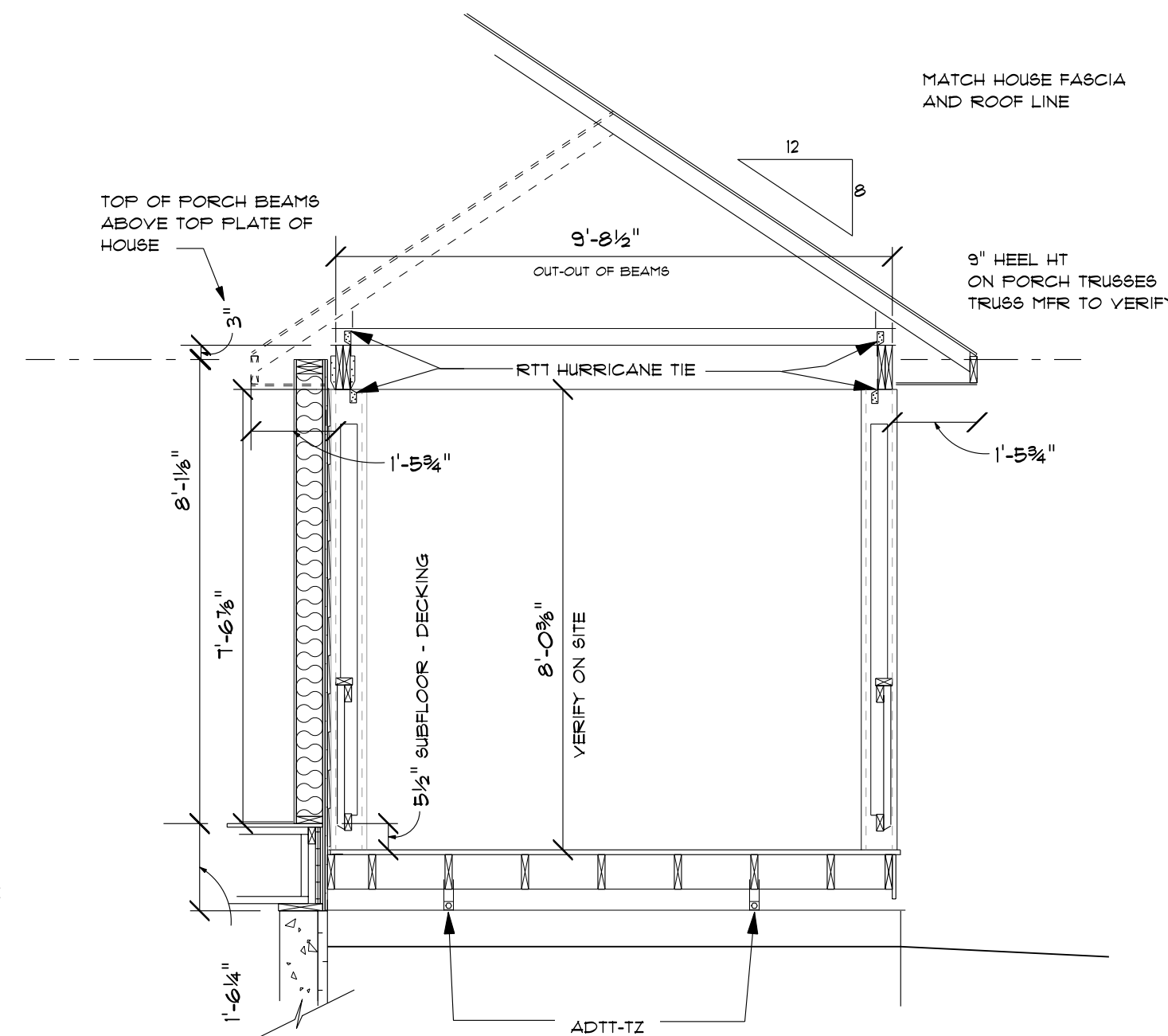
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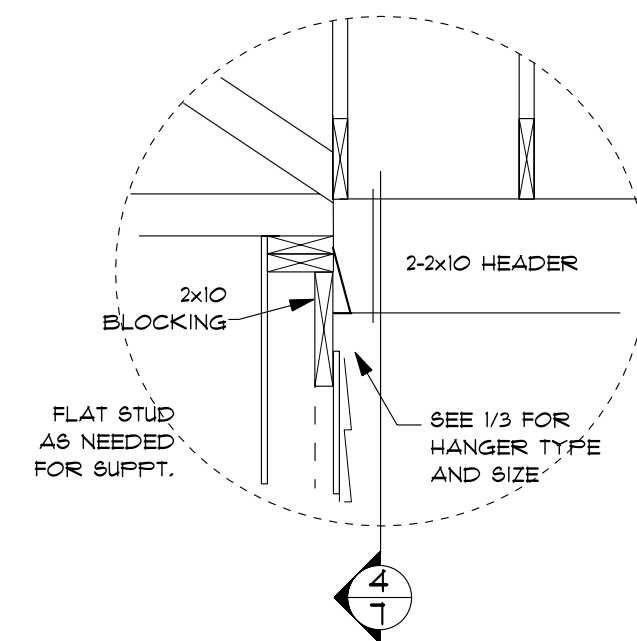
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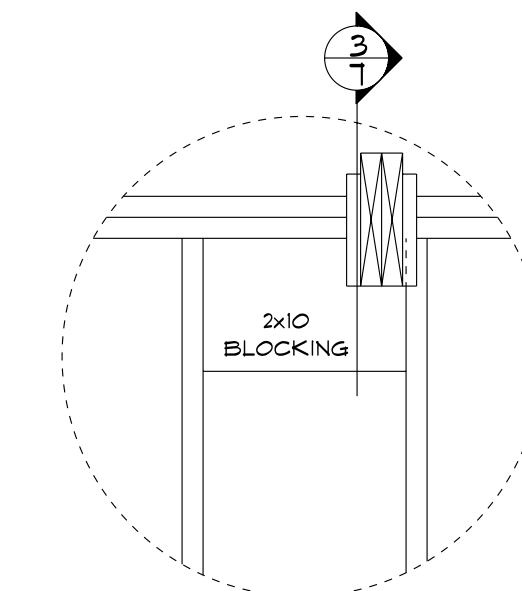
1 FRONT PORCH SECTION
SCALE: 3/8" = 1'-0"



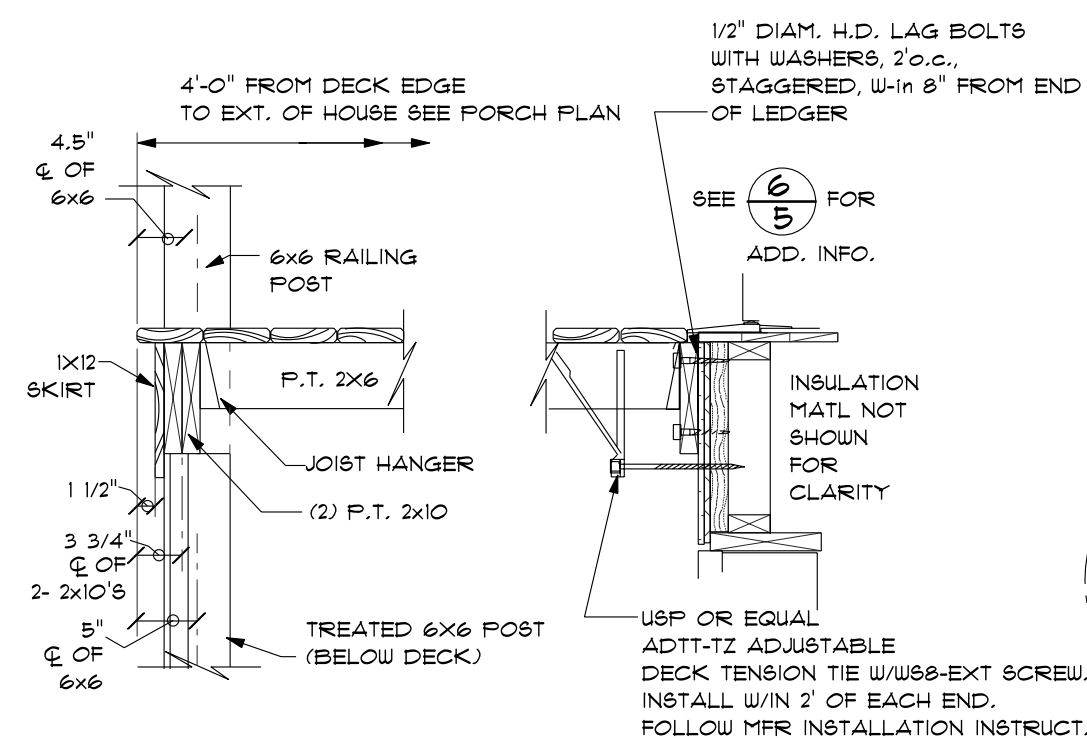
2 FRONT PORCH CROSS SECTION
SCALE: 3/8" = 1'-0"



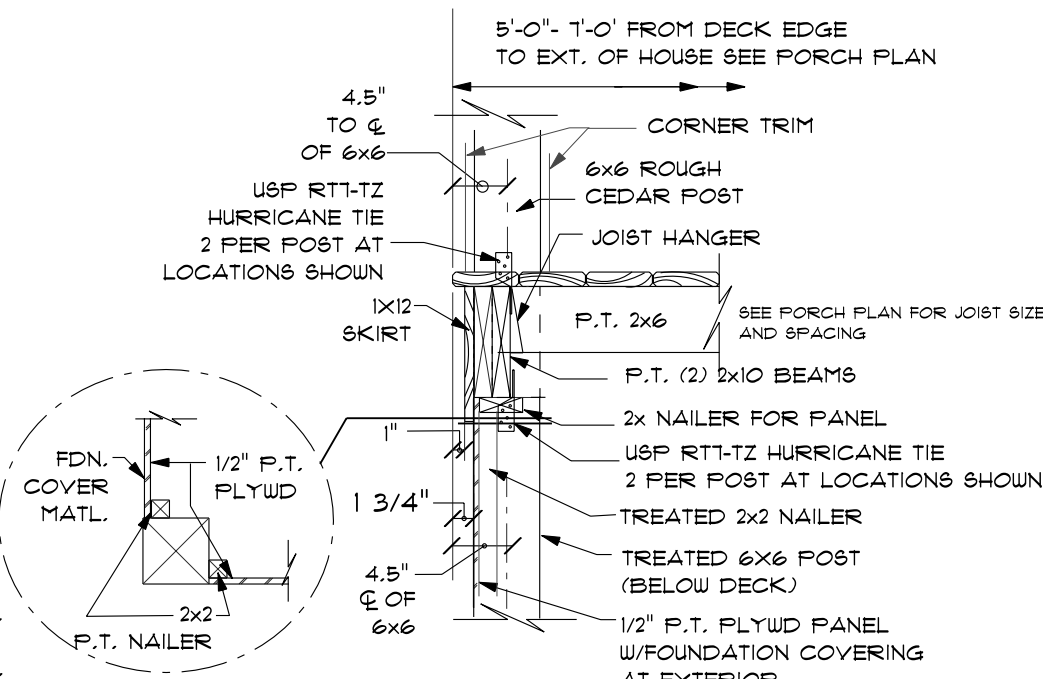
3 PORCH HEADER FRAMING
SCALE: 3/4" = 1'-0"



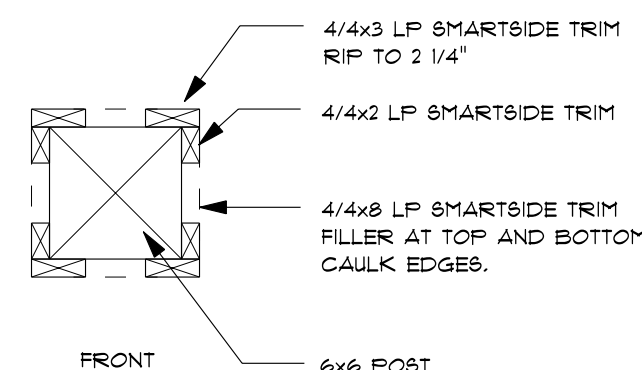
4 PORCH HEADER FRAMING
SCALE: 3/4" = 1'-0"



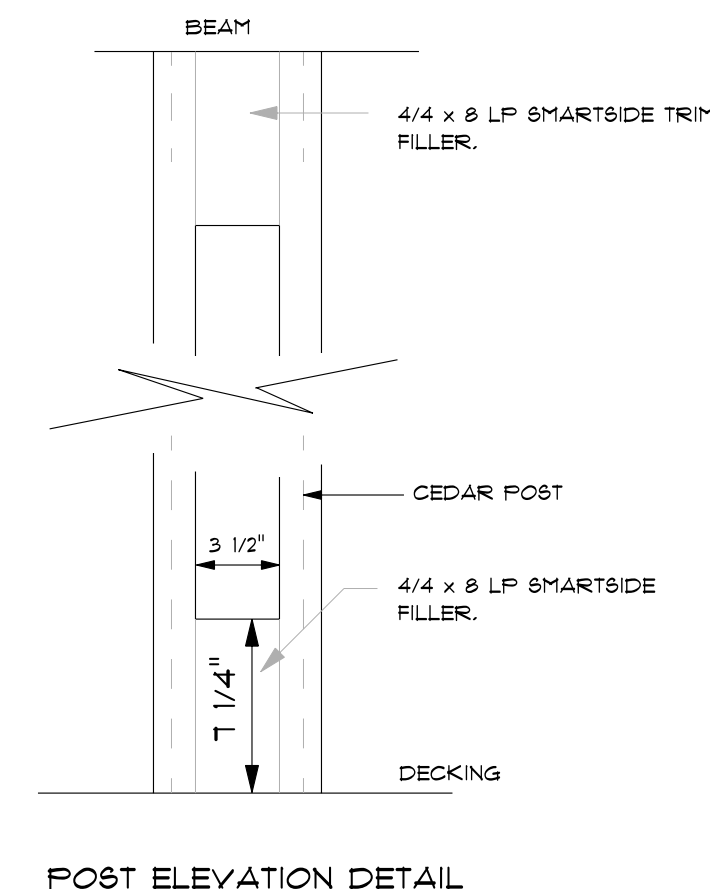
5 REAR DECK RIM DETAIL
SCALE: 3/4" = 1'-0"



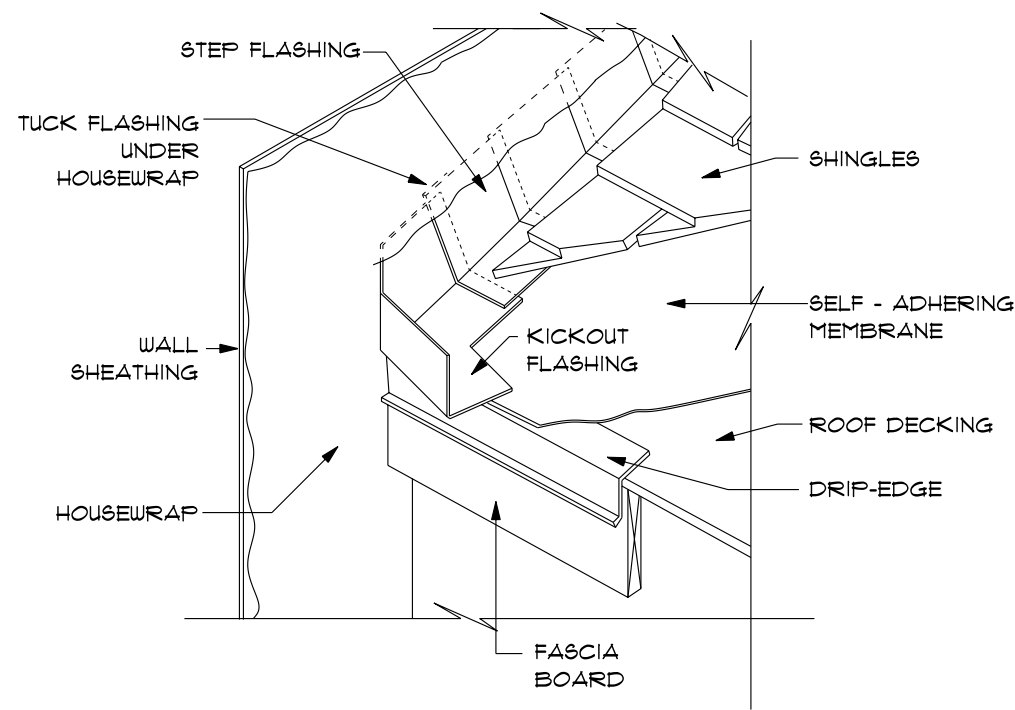
6 FRONT PORCH RIM DETAIL
SCALE: 3/4" = 1'-0"



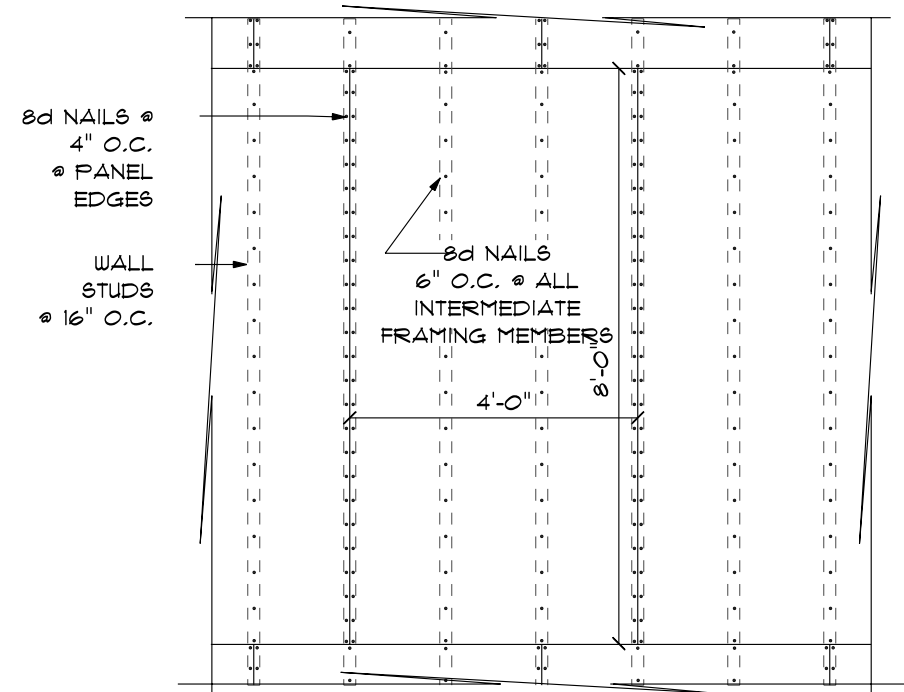
7 PORCH POST DETAIL
SCALE: 1 1/2" = 1'-0"



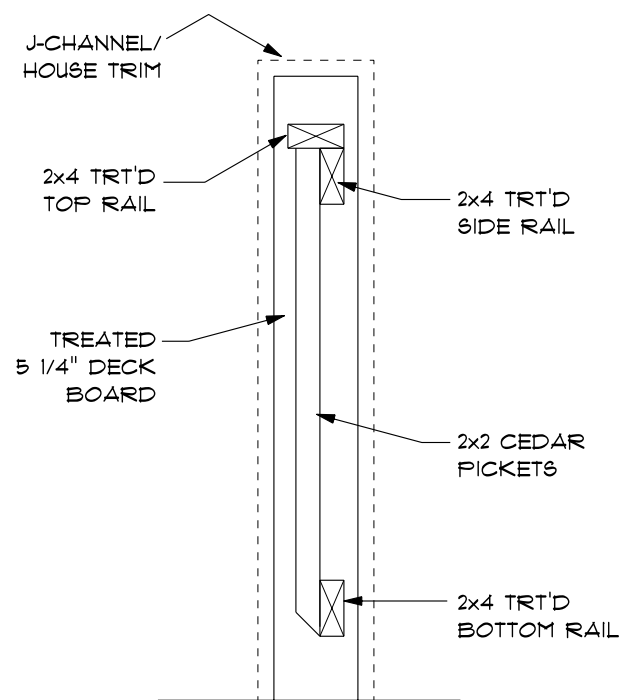
POST ELEVATION DETAIL



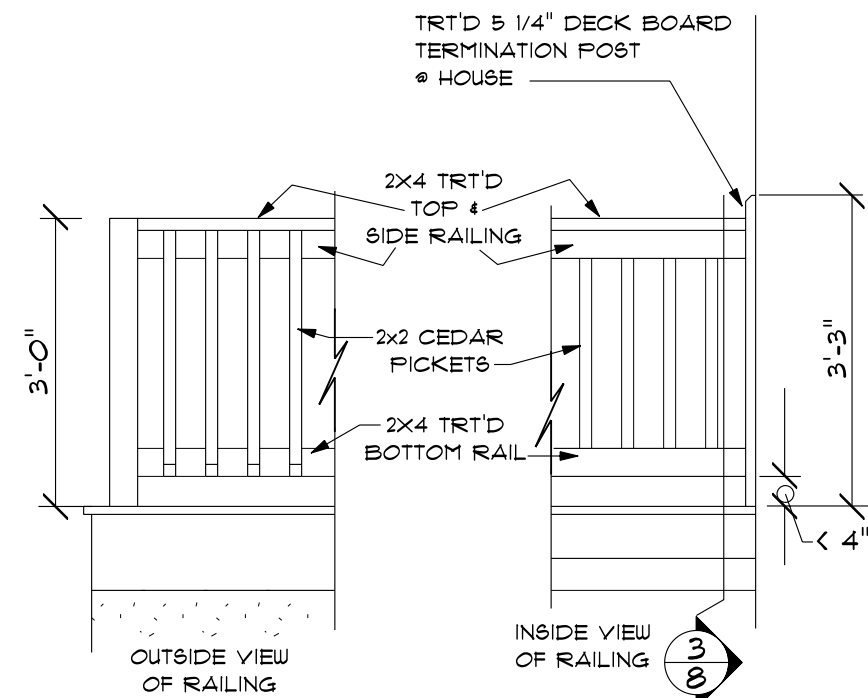
1
8 KICKOUT FLASHING DETAIL
SCALE: N.T.S.



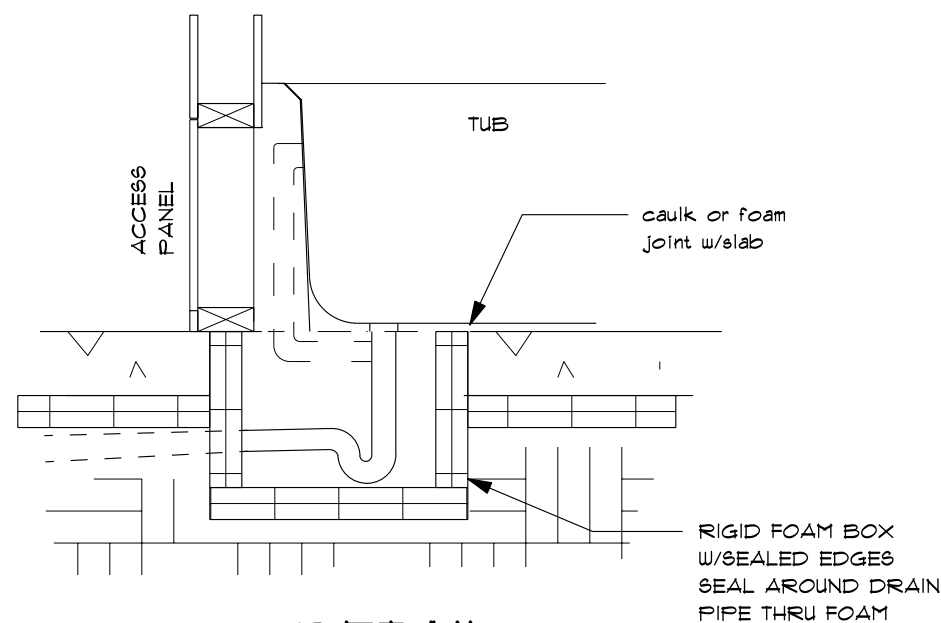
2
8 DETAIL: TYPICAL WALL BRACING
SCALE: 1/2" = 1'-0"



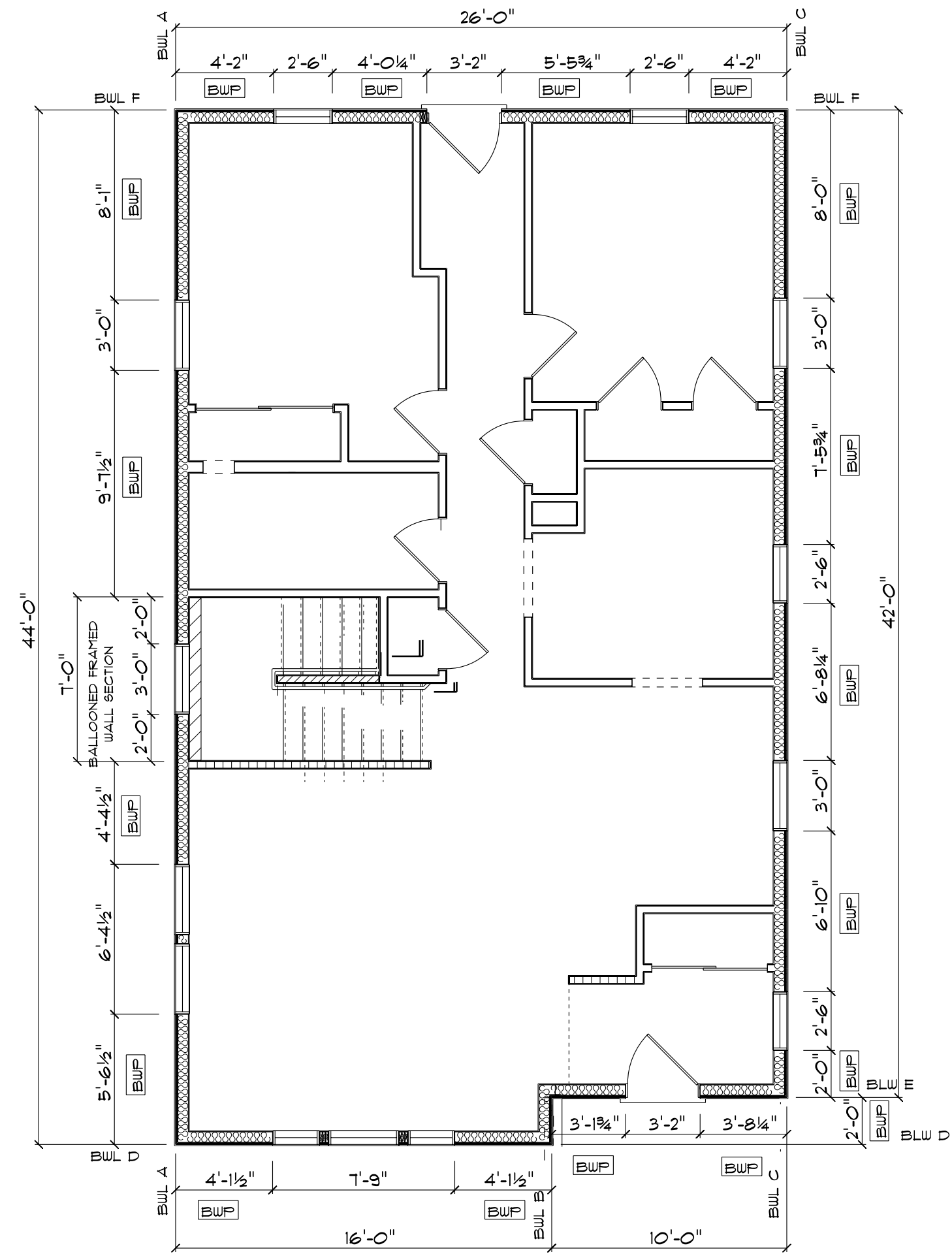
3
8 RAILING @ HOUSE
SCALE: 1/2" = 1'-0"



4
8 RAILING DETAIL
SCALE: 1/2" = 1'-0"



5
8 DETAIL
1" = 1'-0"



6
8 FIRST FLOOR WALL BRACING PLAN
3/16" = 1'-0"

BRACED WALL NOTES:

- BRACING METHOD USED: C8-W8P
- BRACED WALL PANELS TO BE NO MORE THAN 10'-0" FROM A CORNER.
- NO MORE THAN 20'-0" BETWEEN BRACED WALL PANELS
- LOCATIONS SHOWN MAY VARY A FEW INCHES WITH STUD LOCATIONS.
- NO WINDOW OR DOOR OPENINGS WITHIN A BRACED WALL PANEL.
- FOR TYP. FASTENING SPACING SEE: 2/8

BWL = BRACED WALL LINE
BWP = BRACED WALL PANEL

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BRACED WALL PANEL PLAN,
MISC. DETAILS

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