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PATENTS:

U.S.: #8,371,082
CANADA: #2,621,024

All drawings and details shall be constructed in accordance with the local building code regulations, project engineering, and construction practices. Design contained herein are protected by copyright, recipient acknowledges contents are property of Hobbs Building Systems, LLC., and shall be used only for construction purposes and not copied, used or reproduced, for any other purposes or projects without written permission from Hobbs Building Systems, LLC. all rights reserved. Hobbs Building Systems, LLC. 2015. Hobbs Building Systems, LLC reserves the right to make changes to the drawings/information shown without notice.

SHOP DRAWINGS FOR:

Project Example 3

Marana, AZ



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ARIZONA. THIS NOTICE COVERS HOBBS FOUNDATIONS ONLY, SEE NOTE BELOW

SIGNATURE: *Brant Bristow*
NAME: BRANT BRISTOW, P.E.
DATE: 09-FEB-2018 58314

MY REGISTRATION EXPIRES ON 30-SEPTEMBER-2020

THIS STAMP COVERS THE FOUNDATION & CONCRETE WALLS POURED WITH THE HOBBS FOUNDATION SYSTEM ONLY. NO OTHER PORTIONS OF THE PROJECT ARE REPRESENTED INCLUDING BUT NOT LIMITED TO FOOTINGS, FLOORS, WOOD FRAMED WALLS OR ROOF FRAMING

JOB # 172093

NOT FOR CONSTRUCTION

FOR CONSTRUCTION

ISSUE DATE :
121417

REVISIONS:

1	-	6
2		7
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DRAWING SCALE :

DRAWING NAME :
COVER SHEET

LINTEL SCHEDULE					
MARK	LINTEL BAR	SHEAR REINFORCING	HEAD R.O.	LINTIL DEPTH	WIDTH R.O.
L1	#5 (R.O. + 1'-0")	#3 STIRRUP W/ 2 1/2" HOOK EA. END @ 12" O.C.	VERIFY	1'-7" MIN.	2'-0"
L2	#5 (R.O. + 1'-0")	#3 STIRRUP W/ 2 1/2" HOOK EA. END @ 12" O.C.	VERIFY	1'-7" MIN.	3'-0"
L3	#5 (R.O. + 1'-0")	#3 STIRRUP W/ 2 1/2" HOOK EA. END @ 12" O.C.	VERIFY	1'-7" MIN.	4'-0"
L4	#5 (R.O. + 1'-0")	#3 STIRRUP W/ 2 1/2" HOOK EA. END @ 12" O.C.	VERIFY	1'-7" MIN.	5'-0"
L5	#5 (R.O. + 1'-0")	#3 STIRRUP W/ 2 1/2" HOOK EA. END @ 12" O.C.	VERIFY	1'-8" MIN.	6'-0"
L6	2- #5 (R.O. + 1'-0")	#3 STIRRUP W/ 2 1/2" HOOK EA. END @ 12" O.C.	VERIFY	2'-0" MIN.	18'-0"

BASEMENT WALL REINFORCING SCHEDULE

LOCATION	WALL HT.	VERT. REINF. BAR	SPACING	POSITION
*@ BUTTRESS & STAIR	6'-0"	#5	16" O.C.	CENTER
@ BASEMENT	10'-1 1/2"	#5	16" O.C.	OFFSET

* BUTTRESS & STAIR WALL TO HAVE #5 HORIZONTAL BARS @ 18" O.C.

MAIN FLOOR WALL REINFORCING SCHEDULE

LOCATION	WALL HT.	VERT. REINF. BAR	SPACING	POSITION
@ MAIN FLOOR	9'-0"	#4	16" O.C.	CENTER
@ GARAGE	9'-0"	#4	16" O.C.	CENTER

DOWEL REINFORCING SCHEDULE

LOCATION	VERT. REINF. BAR	SPACING	EMBED	PROJECTION	POSITION
@ FOOTING	#4	32" O.C.	6"	6"	CENTER
@ TOP OF WALL	#4	32" O.C.	6"	6"	CENTER

ABBREVIATIONS

BM.	=	BEAM
BTM.	=	BOTTOM
CONT.	=	CONTINUOUS
CTR.	=	CENTER
DWL.	=	DOWEL
EA.	=	EACH
ELEV.	=	ELEVATION
E.O.	=	EVERY OTHER
E.S.	=	EXPOSED STUD
FLR.	=	FLOOR
FTG.	=	FOOTING
G-V	=	GABLE - VARIES
HORIZ.	=	HORIZONTAL
MIN.	=	MINIMUM
O.C.	=	ON CENTER
PL.	=	PLATE
PSF	=	LBS PER SQUARE FOOT
REINF.	=	REINFORCING
R.O.	=	ROUGH OPENING
S.R.	=	STUCCO READY
T.O.W.	=	TOP OF WALL
TYP.	=	TYPICAL
VERT.	=	VERTICAL
VICF	=	VERTICAL INSULATED CONCRETE FORM
W/	=	WITH
W.H.	=	WALL HEIGHT

DOWEL NOTES:

- ALL DOWELS TO START 12" IN FROM OUTSIDE OF FORM CORNER
- DOWELS NOT TO EXCEED SPECIFIED SPACING PER SCHEDULE
- DOWEL SPACINGS NOT REQUIRED TO ALIGN WITH VERT. BARS

GENERAL NOTES / DESIGN DATA

DESIGN PARAMETERS:

- BUILDING CODE REFERENCE
INTERNATIONAL RESIDENTIAL CODE 2012
2011 EDITION ACI 318

2. LOADS

2.1. DEAD LOADS

ROOF: 20 PSF
ICF WALLS: 75 PSF
FLOORS: 25 PSF
WOOD STUD WALLS: 15 PSF
DECK: 15 PSF

2.2. LIVE LOADS

ROOF: 20 PSF (SNOW)
FLOORS: 40 PSF

2.3. WIND

MAXIMUM NET WIND PRESSURE: +/- 19.5 PSF (SERVICE)
V = 90 MPH, EXP. C, I = 1.0

2.4 LATERAL EARTH PRESSURE ON FOUNDATION WALLS: 30 PSF/FT

CONSTRUCTION MATERIAL:

1. CONCRETE:

MINIMUM COMPRESSIVE DESIGN STRENGTH AT 28 DAYS OF 3,000 PSI,
MAXIMUM WATER-TO-CEMENT RATIO, W / CM = 0.43. 3/8" LIMESTONE
CHIPS OR 3/8" WASHED RIVER ROCK AGGREGATE, 4" TO 5" SLUMP.
CAN SUBSTITUTE 15% CLASS C FLYASH BY WEIGHT FOR CEMENT IN
CONCRETE MIX

2. REINFORCEMENT:

ASTM A615 GRADE 60.

GENERAL NOTES:

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION
OF DETAILS PROVIDED FOR HOBBS WALL SYSTEM WITH
FOUNDATIONS, FLOOR & ROOF FRAMING. THIS DRAWING SET IS NOT
MEANT TO BE DEFINITIVE FOR BUILDING DIMENSIONS & LAYOUT. ICF
WALL INSTALLATION SHOULD BE COORDINATED WITH OTHER TRADES
& BUILDING DIMENSIONS & LAYOUT CONFIRMED WITH THE
APPROPRIATE PARTIES.

EARTH BACKFILL AGAINST BASEMENT WALLS SHALL BE GW, GP,
SW, OR SP AND SHALL BE TILED AT FOOTING ELEVATION.

HOBBS

Vertical ICF Wall System

Go Engineered. Go Easy. Go Green.



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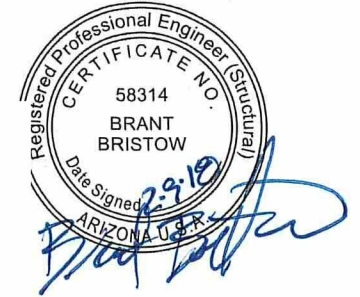
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DRAWING SCALE :

12" = 1'-0"

DRAWING NAME :

PROJECT INFO



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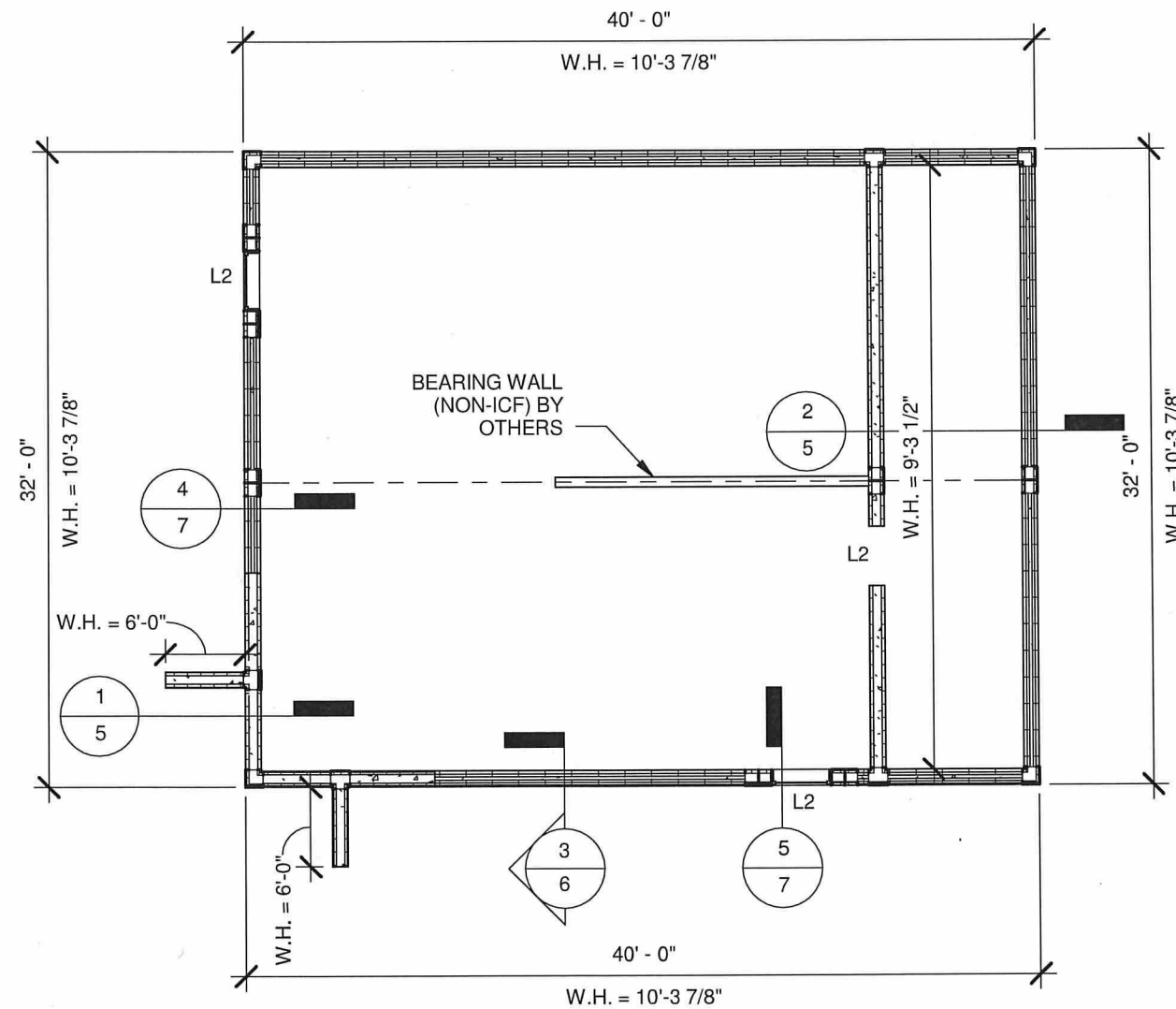
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DRAWING SCALE :

1/8" = 1'-0"

DRAWING NAME :

LAYOUT PLAN



WALL TYPES

- EXT. CONTOUR WALL - EXPOSED STUD
- INT.
- EXT. FLAT WALL - EXPOSED STUD
- INT.

NOTES:


1. BUILDING DIMENSIONS FOR REFERENCE ONLY - SEE ARCHITECTURAL PLANS FOR ALL DIMENSIONS - ARCHITECTURAL PLANS TO TAKE PRESEDENCE
2. PROVIDE FOOTING DRAINAGE PER DETAIL 1 / 6 . DRAIN TILE TO BE PROVIDED BY OTHERS - TO BE INSTALLED PER CODE.

② BASEMENT
1/8" = 1'-0"

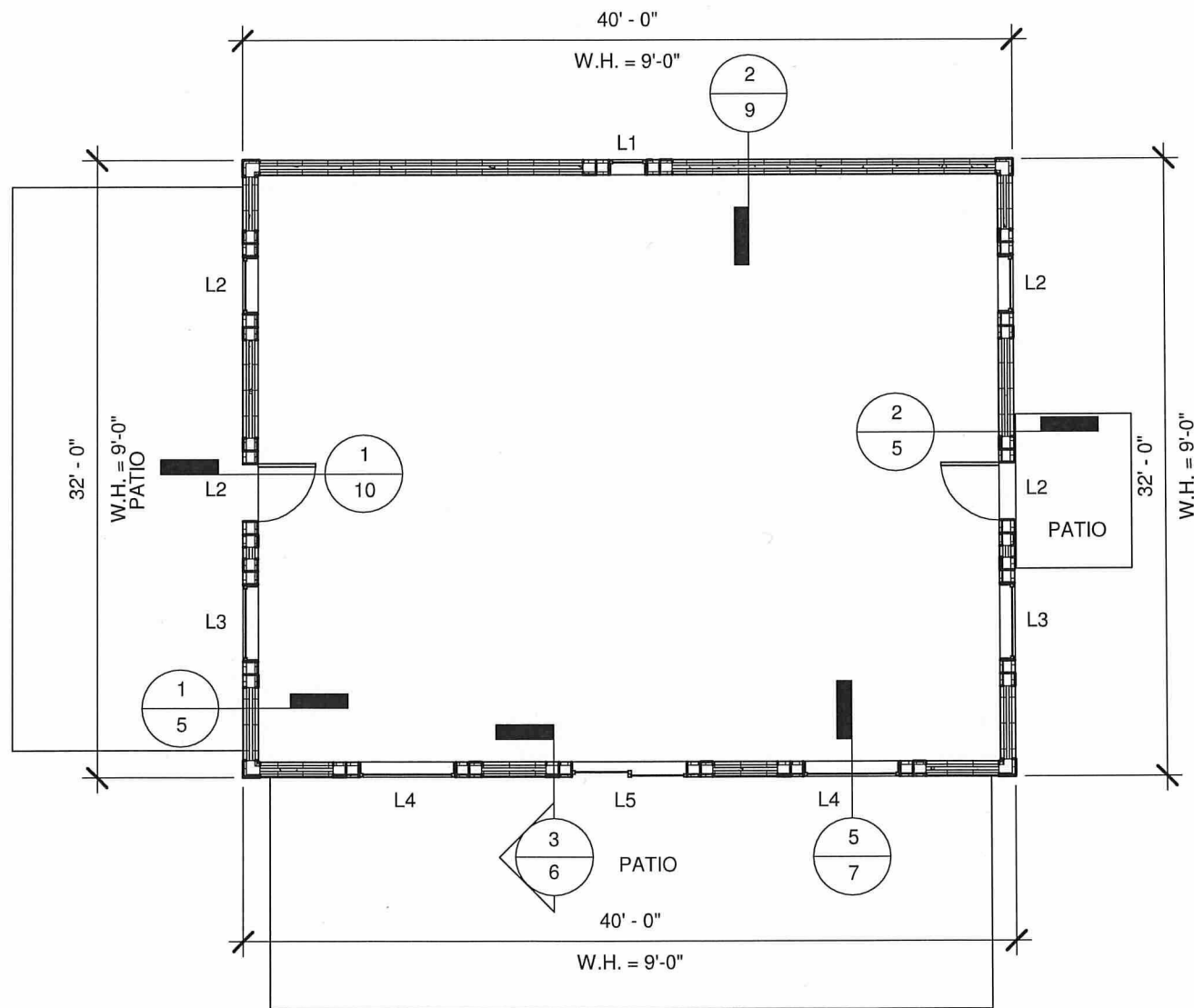


Brant Bristow

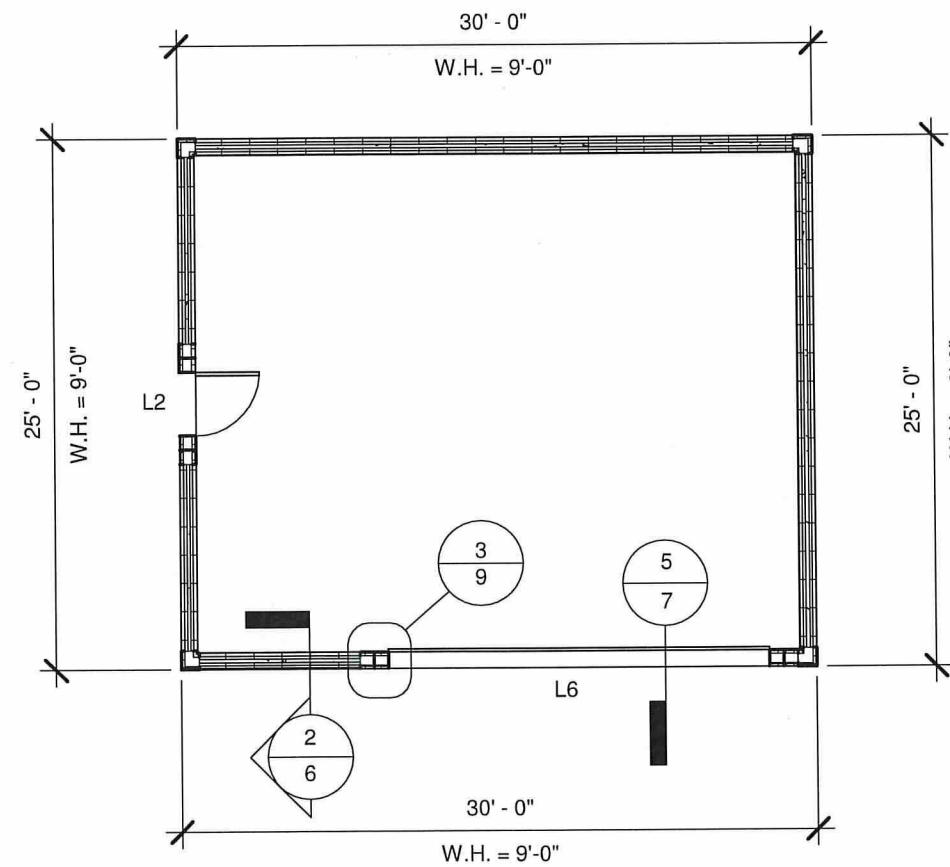
WALL TYPES

 CONTOUR WALL - EXPOSED STUD

 FLAT WALL - EXPOSED STUD



① 1st Floor
1/8" = 1'-0"



② GARAGE
1/8" = 1'-0"

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DRAWING SCALE:

1/8" = 1'-0"

DRAWING NAME:

LAYOUT PLAN



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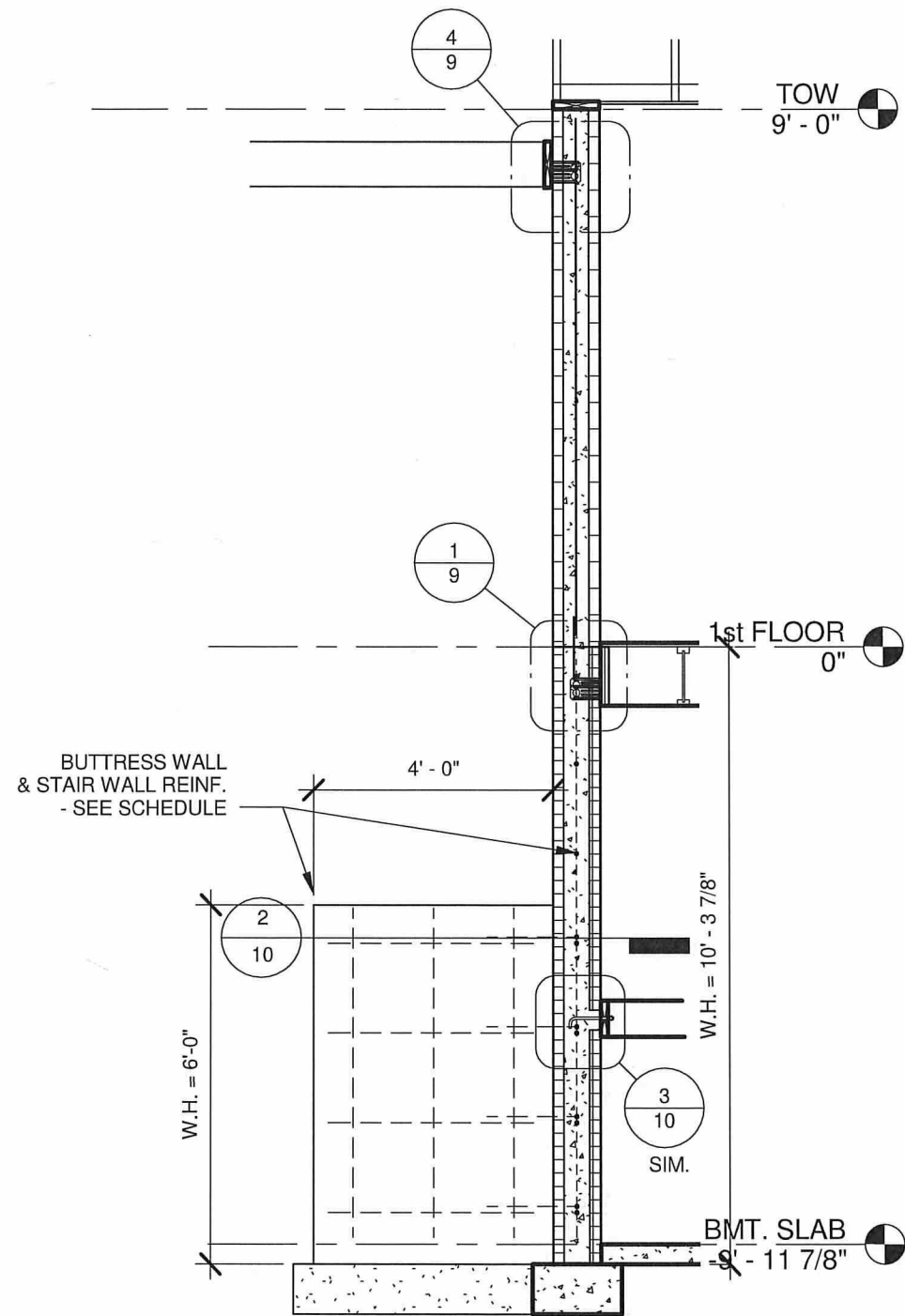
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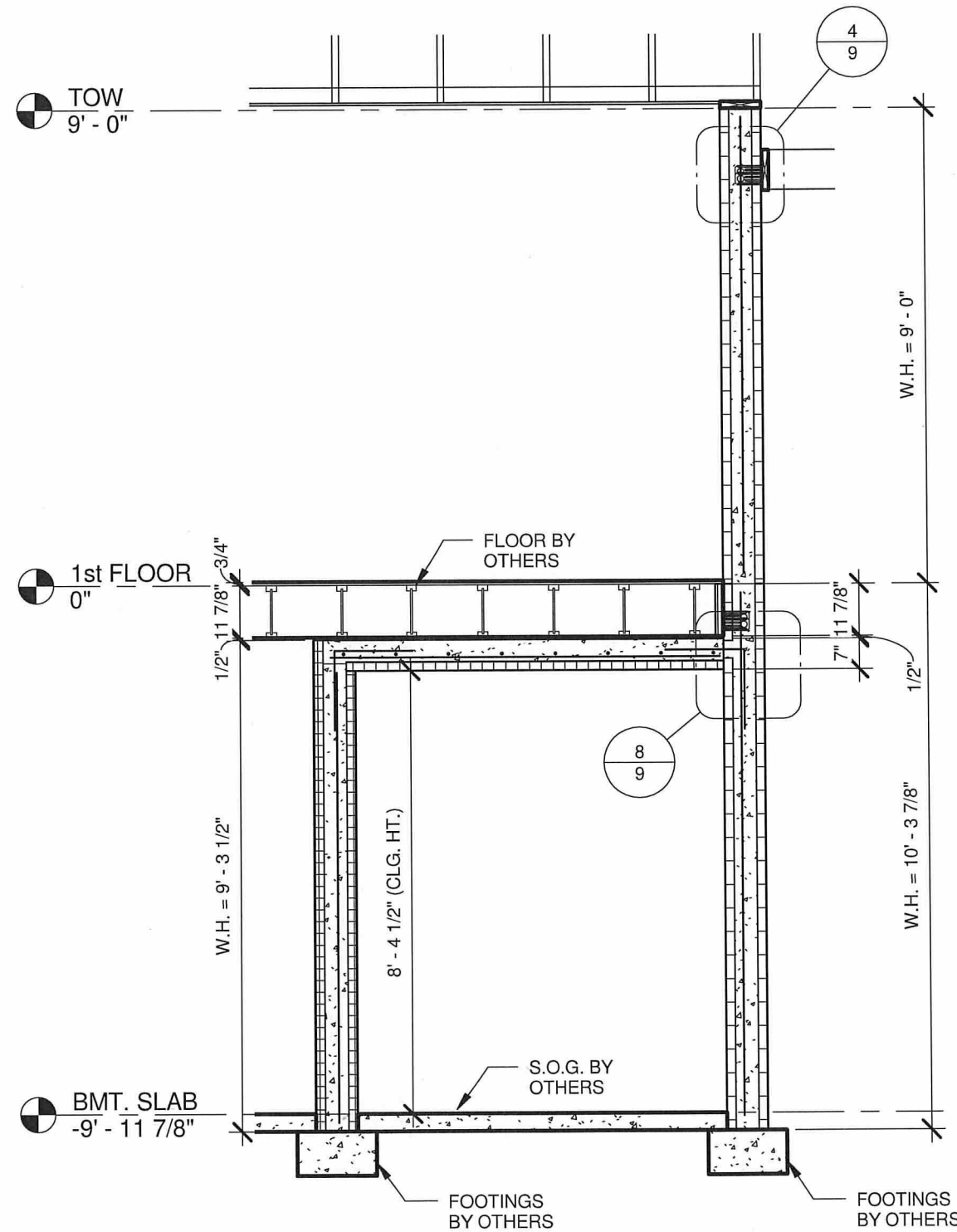
3/8" = 1'-0"

DRAWING NAME :

WALL SECTIONS



1 BUTTRESS WALL SECTION
3/8" = 1'-0"



2 TYP. WALL SECTION
3/8" = 1'-0"



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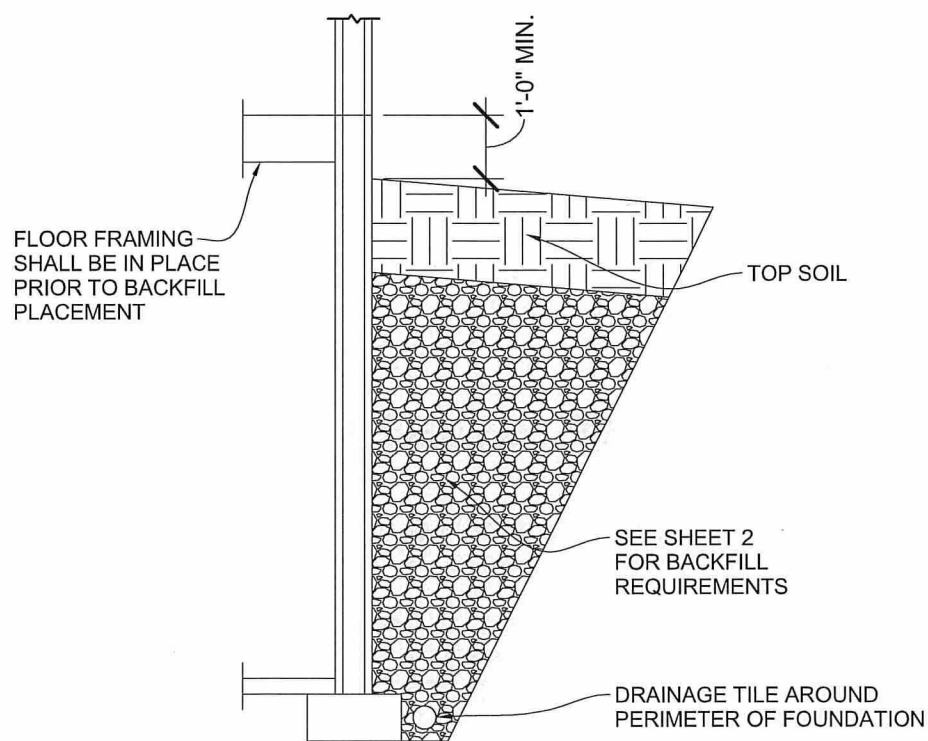
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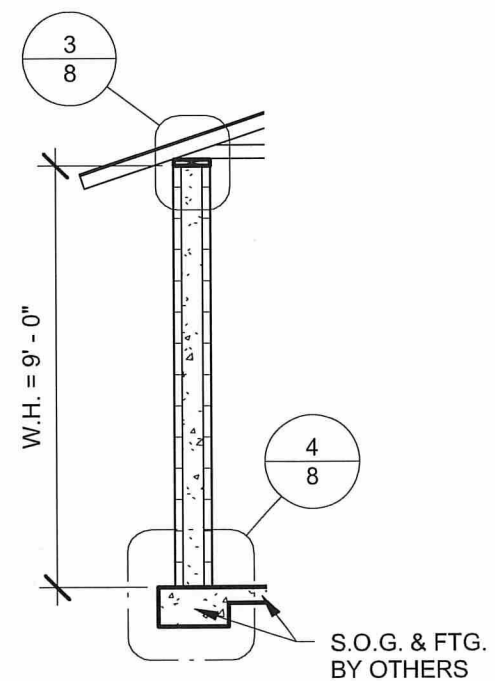
1/4" = 1'-0"

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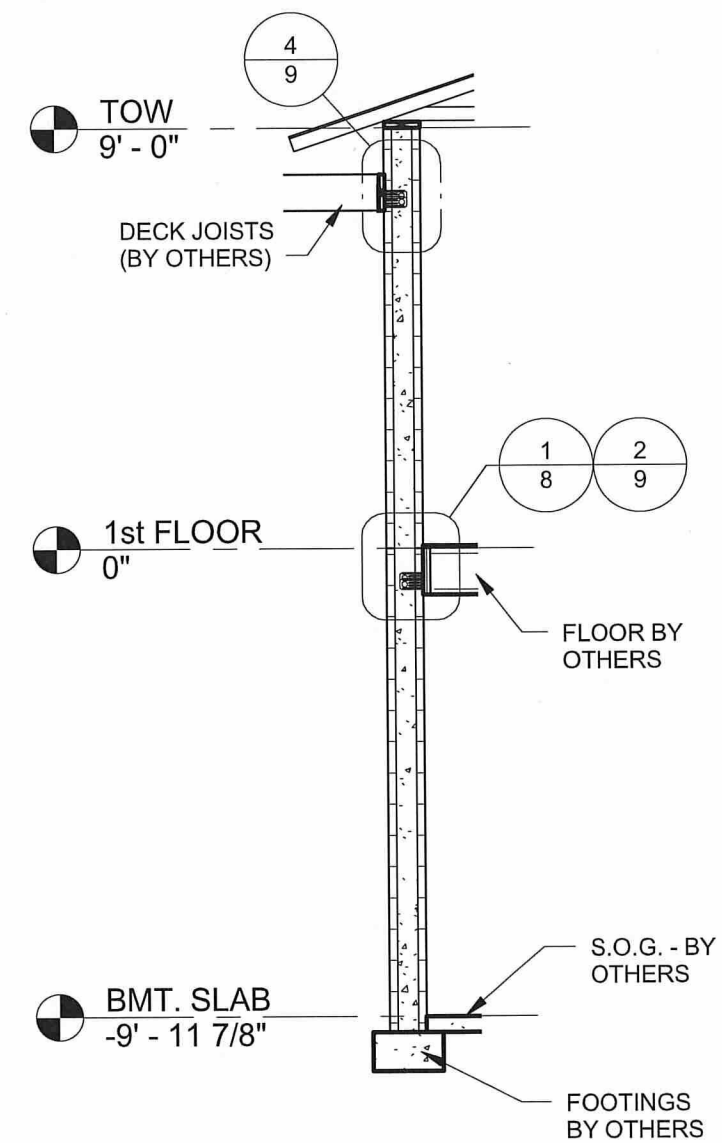
WALL SECTIONS



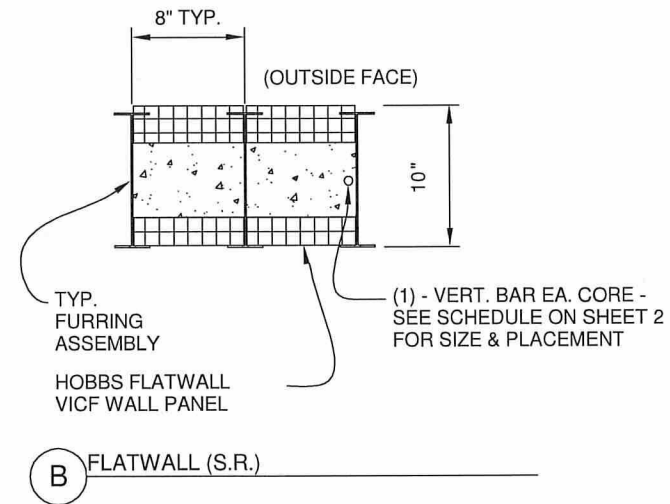
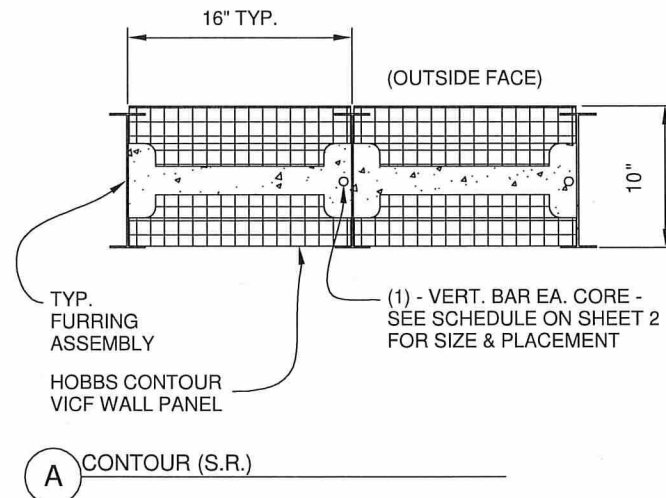
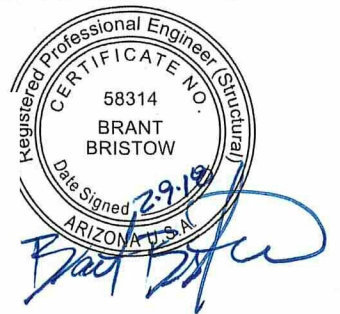
1 TYP. BASEMENT WALL SECTION
1/4" = 1'-0"



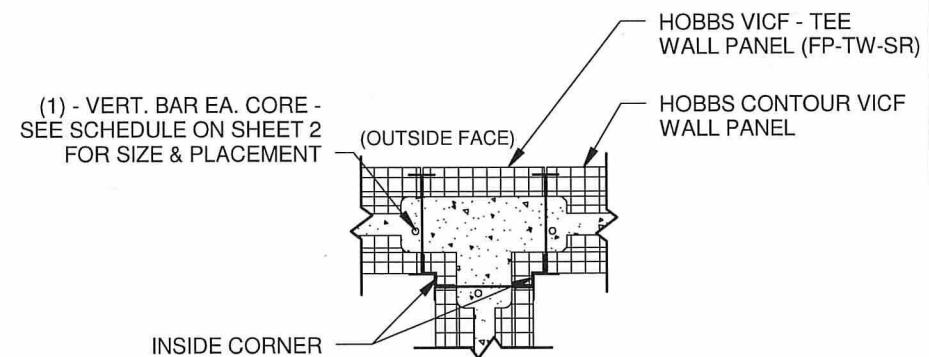
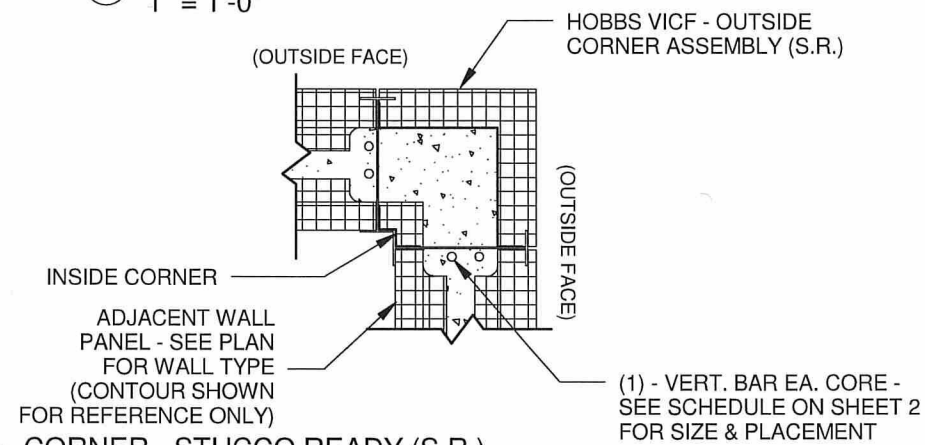
2 GARAGE WALL SECTION
1/4" = 1'-0"



3 WALL SECTION
1/4" = 1'-0"

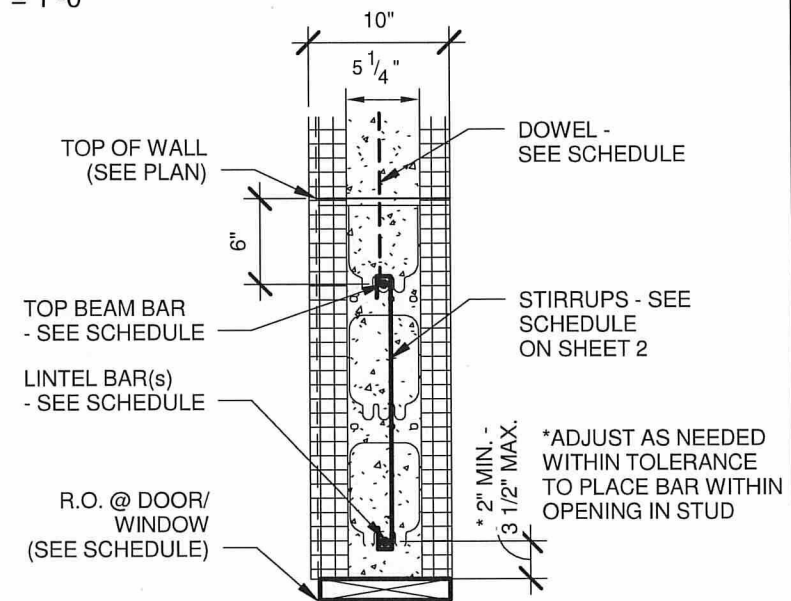
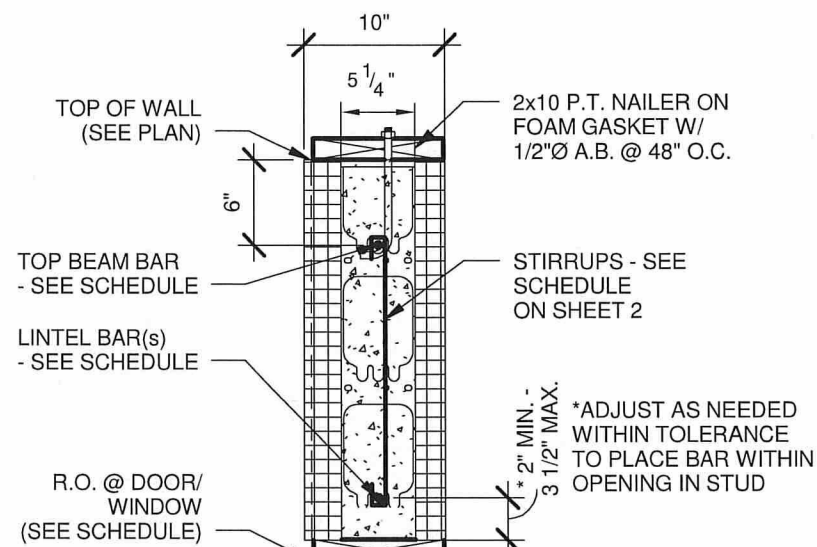
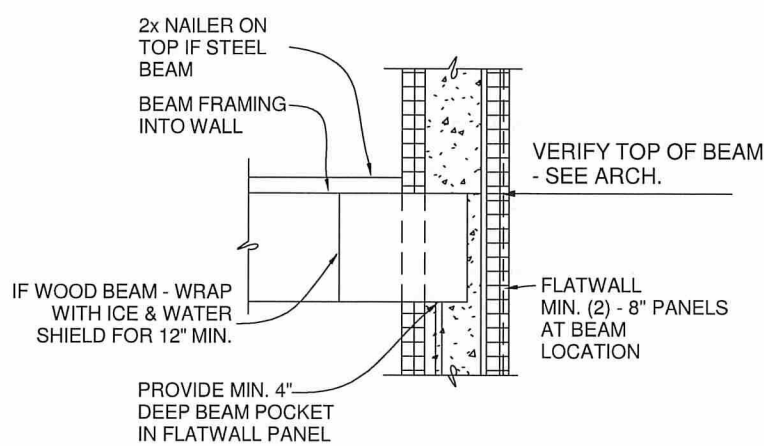


1 PLAN DETAILS
1" = 1'-0"



2 CORNER - STUCCO READY (S.R.)
1" = 1'-0"

3 TEE WALL - STUCCO READY (S.R.)
3/4" = 1'-0"



4 BEAM POCKET
3/4" = 1'-0"

5 LINTEL DETAIL @ GARAGE & MAIN LVL.
1" = 1'-0"

6 LINTEL DETAIL @ BASEMENT
1" = 1'-0"

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DRAWING SCALE :

As indicated

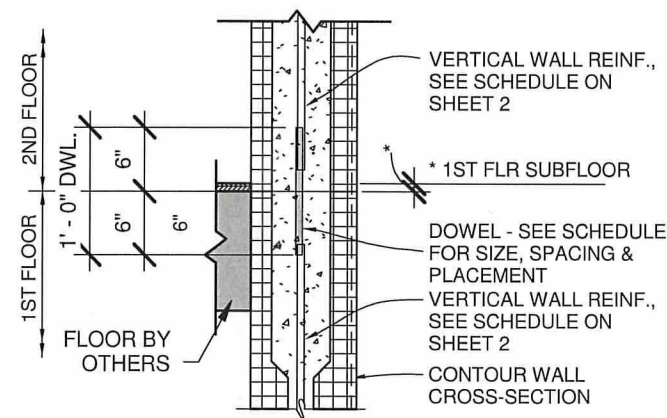
DRAWING NAME :

DETAILS



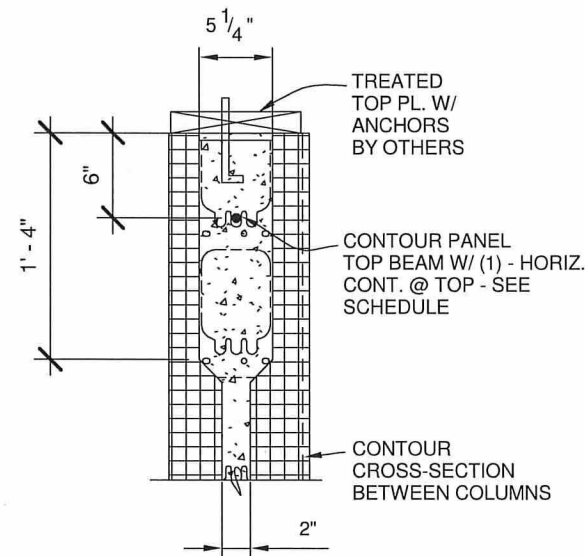
Brant Bristow

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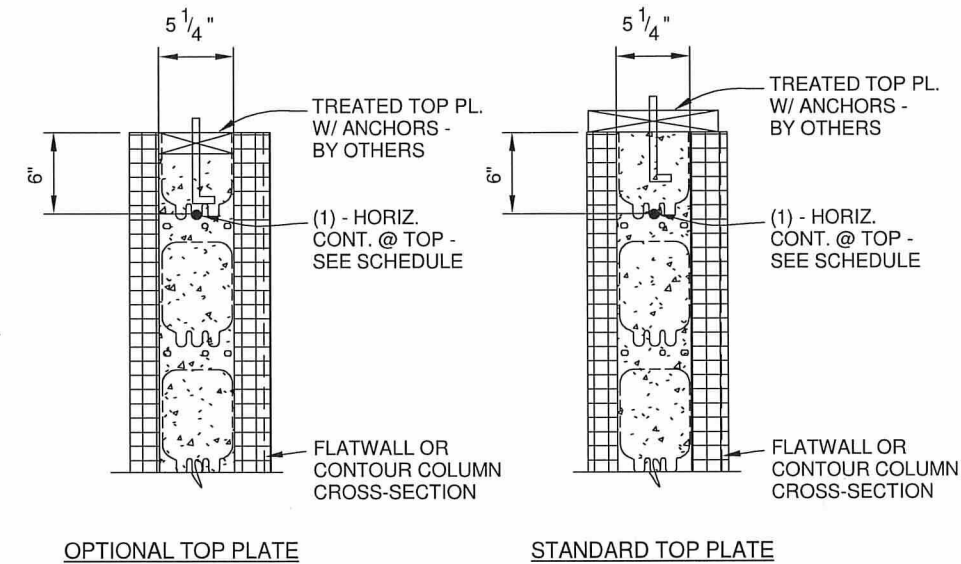


* TOP OF WALL TO BE FLUSH WITH TOP OF FLOOR JOISTS

① WALL CONNECTION - 1ST TO 2ND FLR
3/4" = 1'-0"

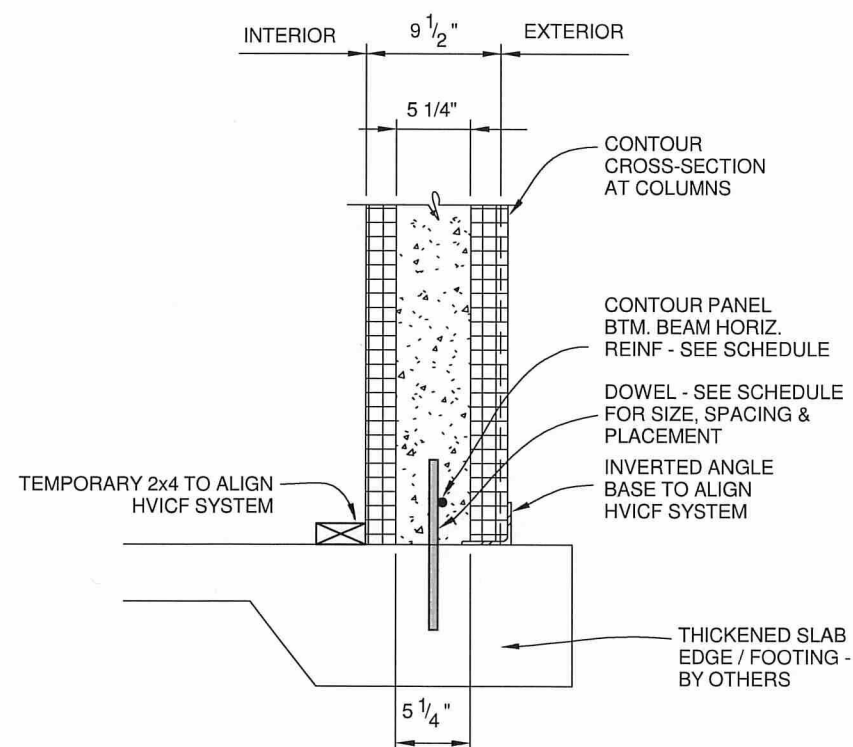


② TOP OF WALL @ CONTOUR WALL
1" = 1'-0"

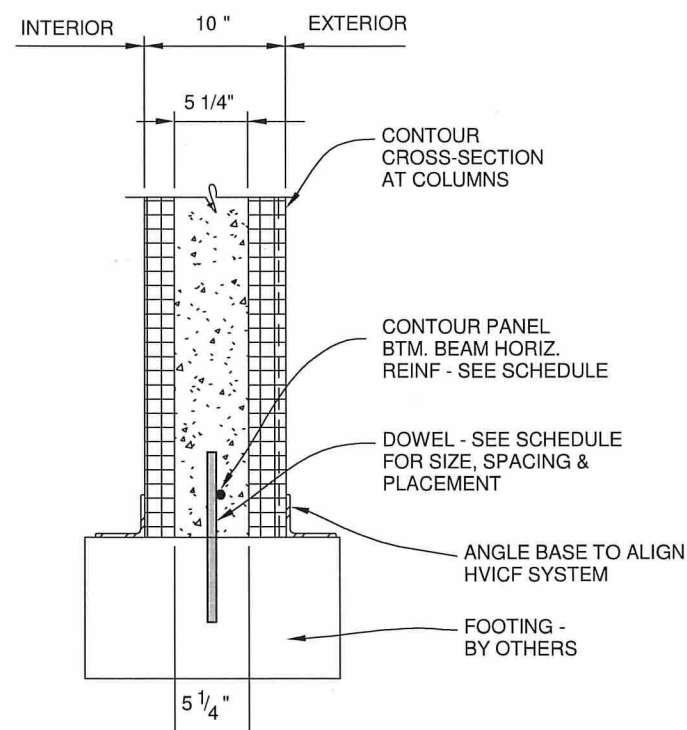


TOP PLATE NOTE: ONLY ONE TOP PLATE CONFIGURATION CAN BE USED

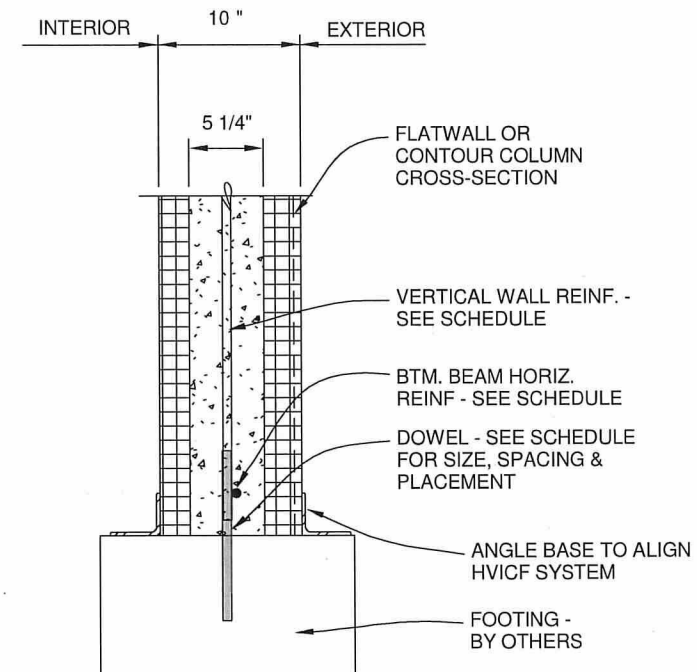
③ TOP OF WALL @ FLAT WALL
1" = 1'-0"



④ BOTTOM OF WALL @ GARAGE
1" = 1'-0"



⑤ BOTTOM OF WALL @ CONTOUR WALL @ COLUMN
1" = 1'-0"



⑥ BOTTOM OF WALL @ FLAT WALL
1" = 1'-0"

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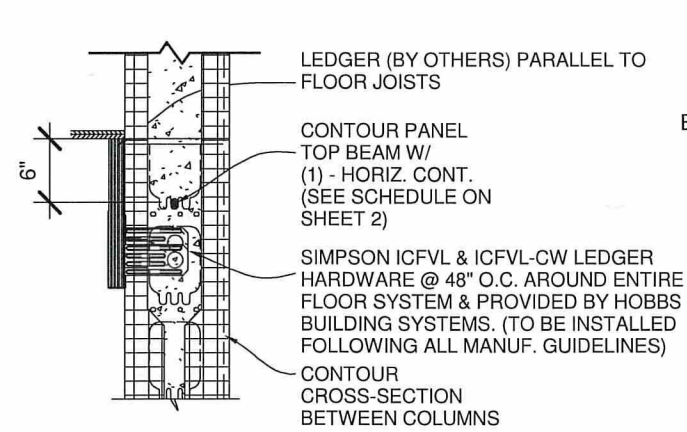
①	⑥
②	⑦
③	⑧
④	⑨
⑤	⑩

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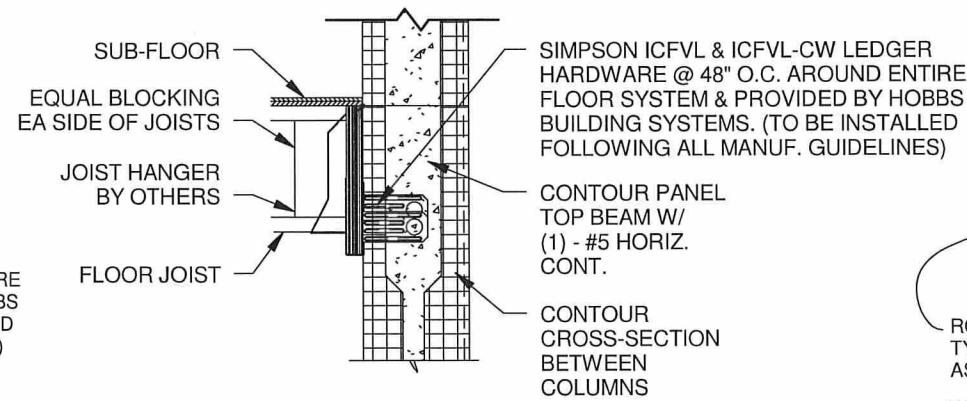
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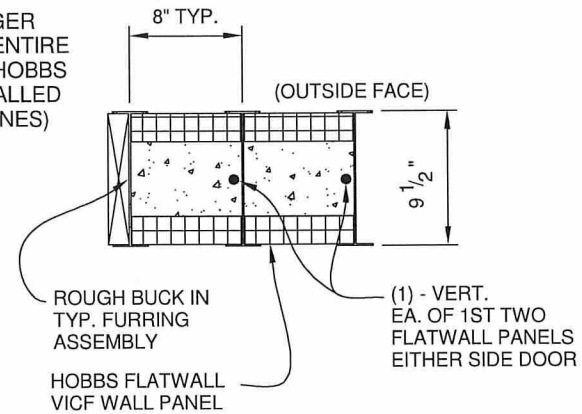
DETAILS



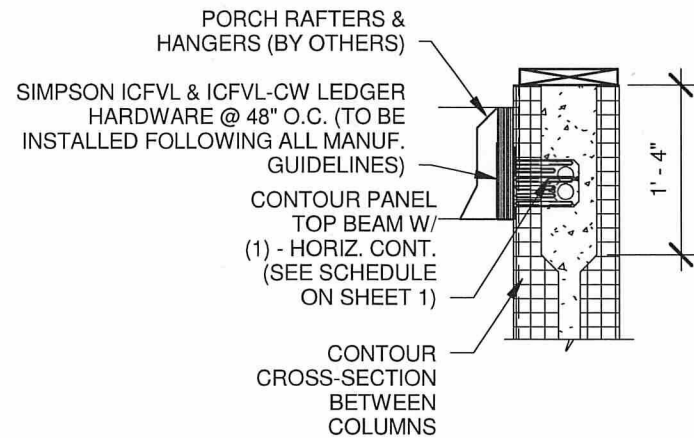
① LEDGER BEAM - PARALLEL TO JOISTS
3/4" = 1'-0"



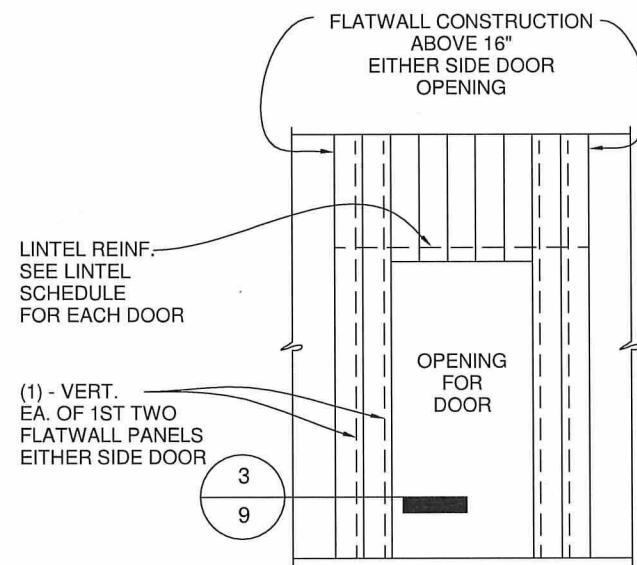
② LEDGER BEAM - @ JOIST BEARING
3/4" = 1'-0"



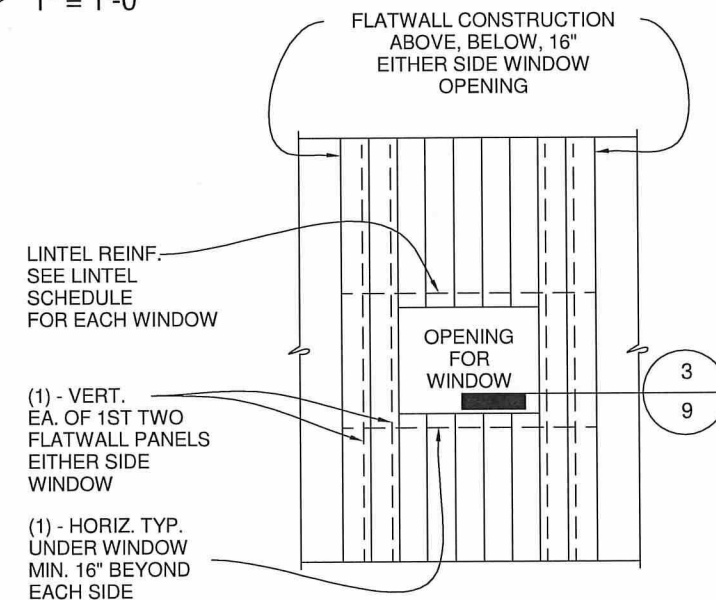
③ JAMB DETAIL
1" = 1'-0"



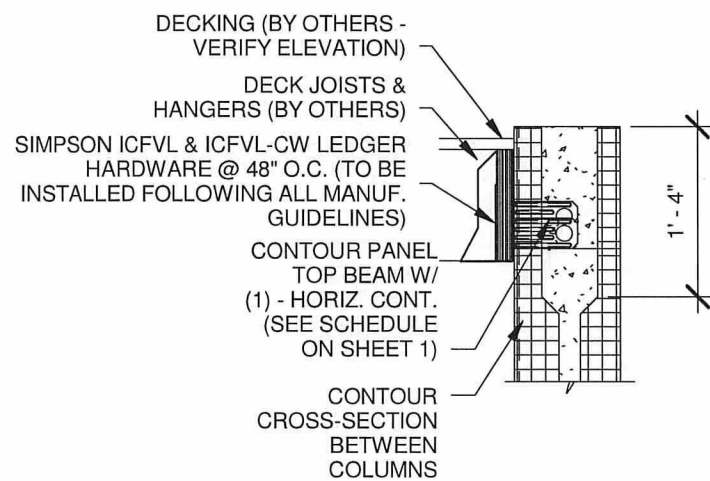
④ PORCH RAFTER HANGERS
3/4" = 1'-0"



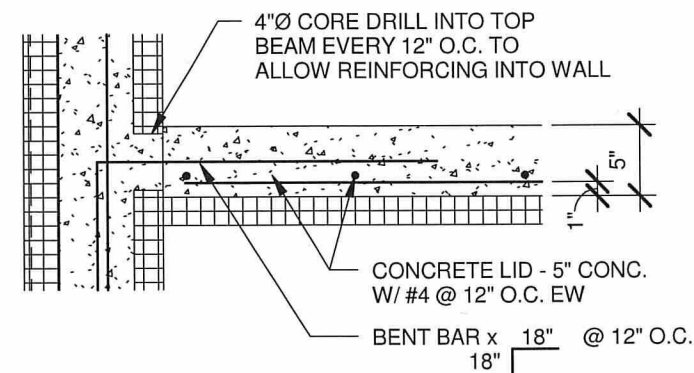
⑤ TYP. ELEV. @ DOOR
1/4" = 1'-0"



⑥ TYP. ELEV. @ WINDOW
1/4" = 1'-0"



⑦ DECK JOIST HANGERS
3/4" = 1'-0"



NOTES:
1. CORE DRILL INSUL. & INSTALL REBAR

⑧ CONC. LID TO WALL CONNECTION @ SECURE ROOM
1" = 1'-0"

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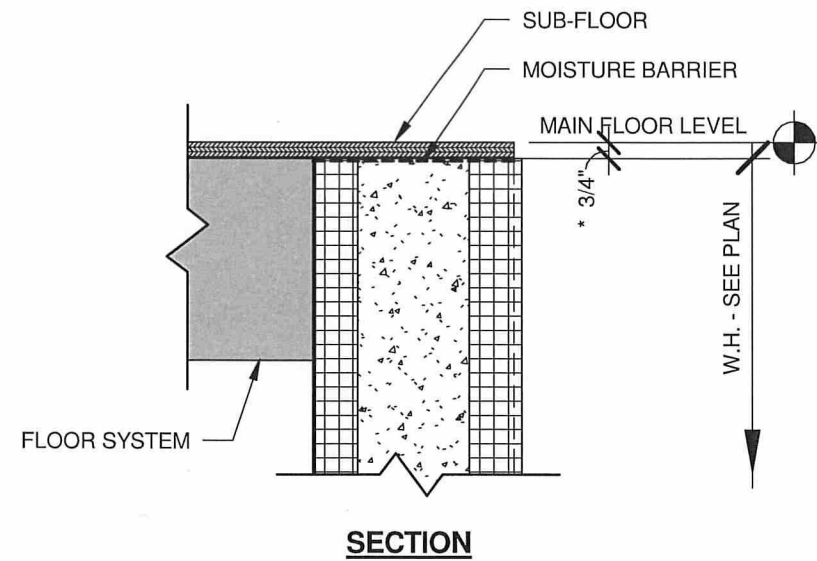
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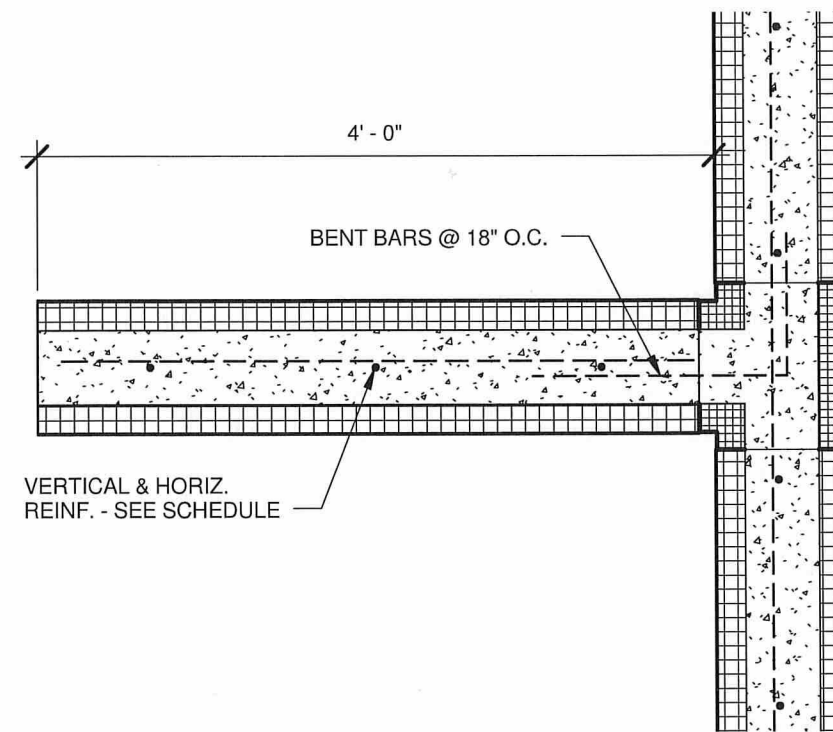
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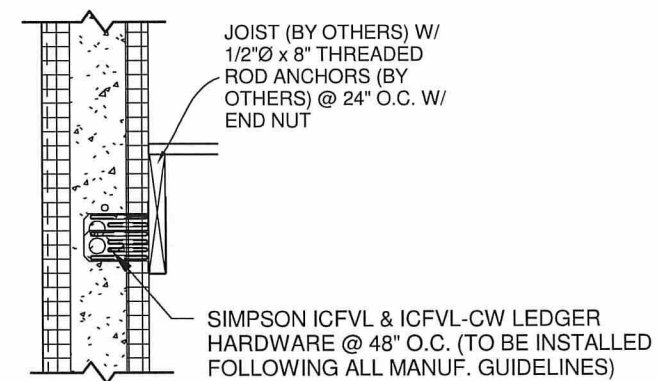
NOTES:

- TOP OF HVICF WALL = TOP OF FLOOR JOISTS
- INSTALL MOISTURE BARRIER BETWEEN SUB-FLOOR AND TOP OF WALL
- FLOOR JOISTS TO BEAR ON LEDGER OR EMBEDDED JOIST HANGER
- *CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINISH FLOOR ELEVATION

① DOOR SILL DETAIL
1 1/2" = 1'-0"



② BUTTRESS WALL PLAN SECTION
1" = 1'-0"



③ LANDING LEDGER
3/4" = 1'-0"



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