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# SHOP DRAWINGS FOR:

## Project Example 1

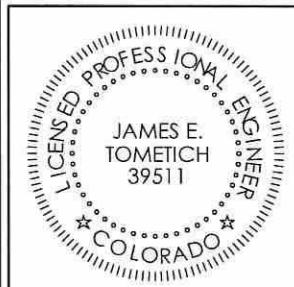
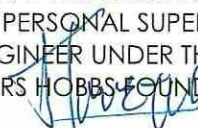
### Sedalia, CO.

Sheet List	
Sheet Number	Sheet Name
1	COVER SHEET
2	PROJECT INFO
3	LAYOUT PLAN
4	LAYOUT PLAN
5	WALL SECTIONS
6	WALL SECTIONS
7	DETAILS
8	DETAILS
9	DETAILS

**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.

	<p>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 COLORADO. THIS NOTICE COVERS HOBBS FOUNDATIONS ONLY, SEE NOTE BELOW</p>
	<p>SIGNATURE: </p> <p>NAME: JAMES E. TOMETICH, P.E. DATE: 21-JUL-2018 39511</p> <p>MY REGISTRATION EXPIRES ON 31-OCTOBER-2019</p>

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

JOB # 202087

NOT FOR CONSTRUCTION  
 FOR CONSTRUCTION

ISSUE DATE :  
020818

REVISIONS:

△ 1	062018	△ 6
△ 2		△ 7
△ 3		△ 8
△ 4		△ 9
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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 @ 6" O.C.	VERIFY	1'-7" MIN.	3'-0"
L2	#5 (R.O. = 1'-0")	#3 STIRRUP W/ 2 1/2" HOOK EA. END @ 6" O.C.	VERIFY	1'-7" MIN.	4'-0"
L3	#5 (R.O. = 1'-0")	#3 STIRRUP W/ 2 1/2" HOOK EA. END @ 6" O.C.	VERIFY	1'-7" MIN.	5'-0"
L4	2- #5 (R.O. = 1'-0")	#4 STIRRUP W/ 2 1/2" HOOK EA. END @ 6" O.C.	VERIFY	2'-0" MIN.	9'-0"
L5	2- #5 (R.O. = 1'-0")	#4 STIRRUP W/ 2 1/2" HOOK EA. END @ 6" O.C.	VERIFY	1'-8" MIN.	18'-0"

**BASEMENT WALL REINFORCING SCHEDULE**

LOCATION	WALL HT.	VERT. REINF. BAR	SPACING	POSITION
@ BUTTRESS	6'-0"	#5	16" O.C.	CENTER
@ BASEMENT	10'-4"	#5	16" O.C.	OFFSET
@ WALK-OUT	12'-8"	#5	16" O.C.	CENTER

**MAIN FLOOR WALL REINFORCING SCHEDULE**

	WALL HT.	VERT. REINF. BAR	SPACING	POSITION
@ MAIN FLOOR	9'-0"	#4	16" O.C.	CENTER
@ GARAGE & EXERCISE	12'-6"	#4	16" O.C.	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

**GENERAL NOTES / DESIGN DATA**

DESIGN PARAMETERS:

1. BUILDING CODE REFERENCE  
INTERNATIONAL RESIDENTIAL CODE 2012 WITH AMMENDMENTS  
FOR DOUGLAS COUNTY, COLORADO.  
2011 EDITION ACI 318

2. LOADS

2.1. DEAD LOADS

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

2.2. LIVE LOADS

ROOF: 50 PSF (SNOW)  
FLOORS: 40 PSF

2.3. WIND

MAXIMUM NET WIND PRESSURE: +/- 25.2 PSF (SERVICE)  
V = 100 MPH, EXP. C, I = 1.0

2.4 LATERAL EARTH PRESSURE ON FOUNDATION WALLS: 45 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

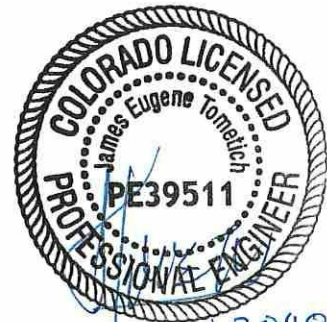
2. REINFORCEMENT:

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, GM,  
SW, OR SP AND SHALL BE TILED AT FOOTING ELEVATION.



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DRAWING SCALE :

12" = 1'-0"

DRAWING NAME :

PROJECT INFO



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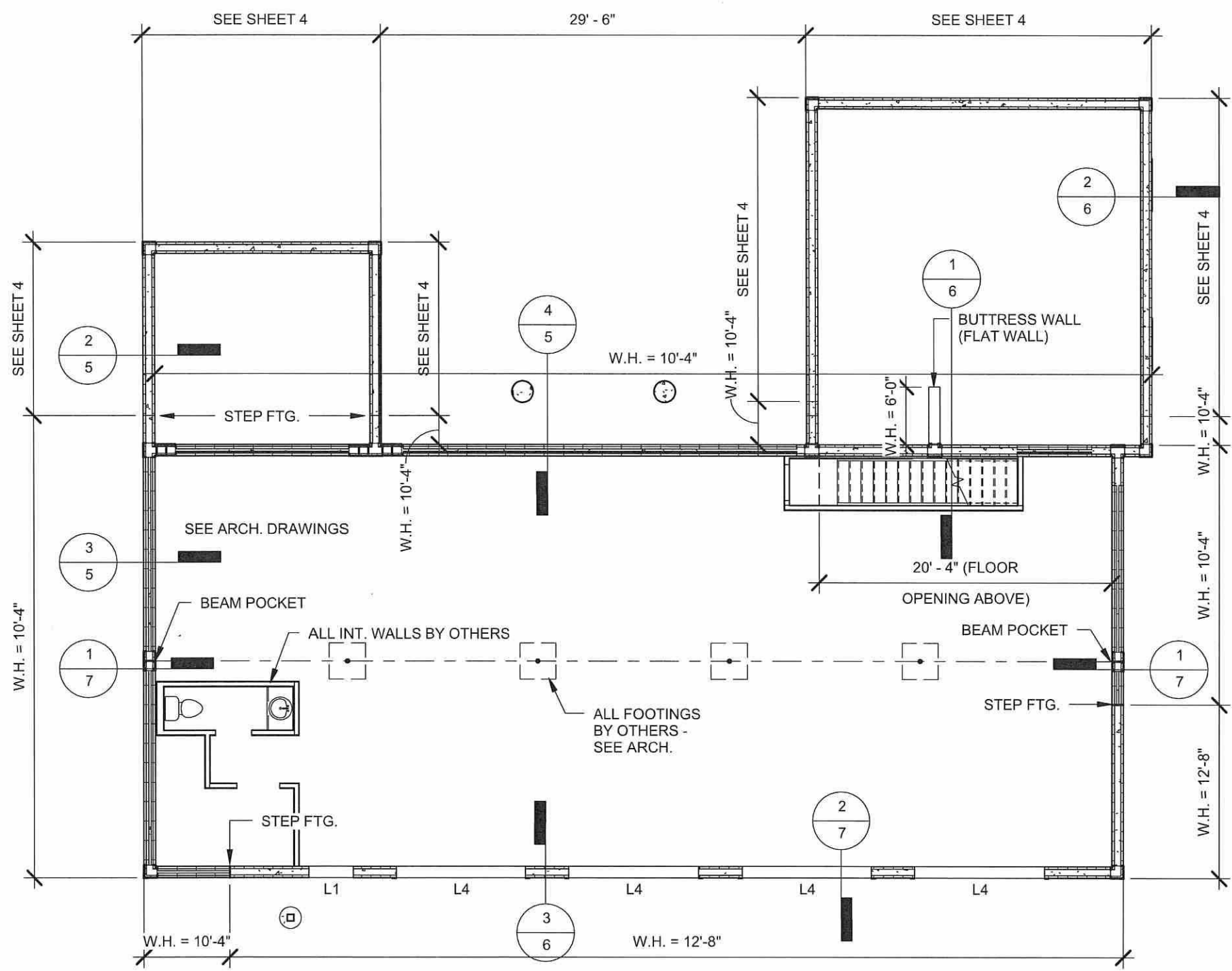
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DRAWING SCALE :  
1/8" = 1'-0"

DRAWING NAME :  
LAYOUT PLAN



**WALL TYPES**

EXT. INT. CONTOUR WALL - EXPOSED STUD

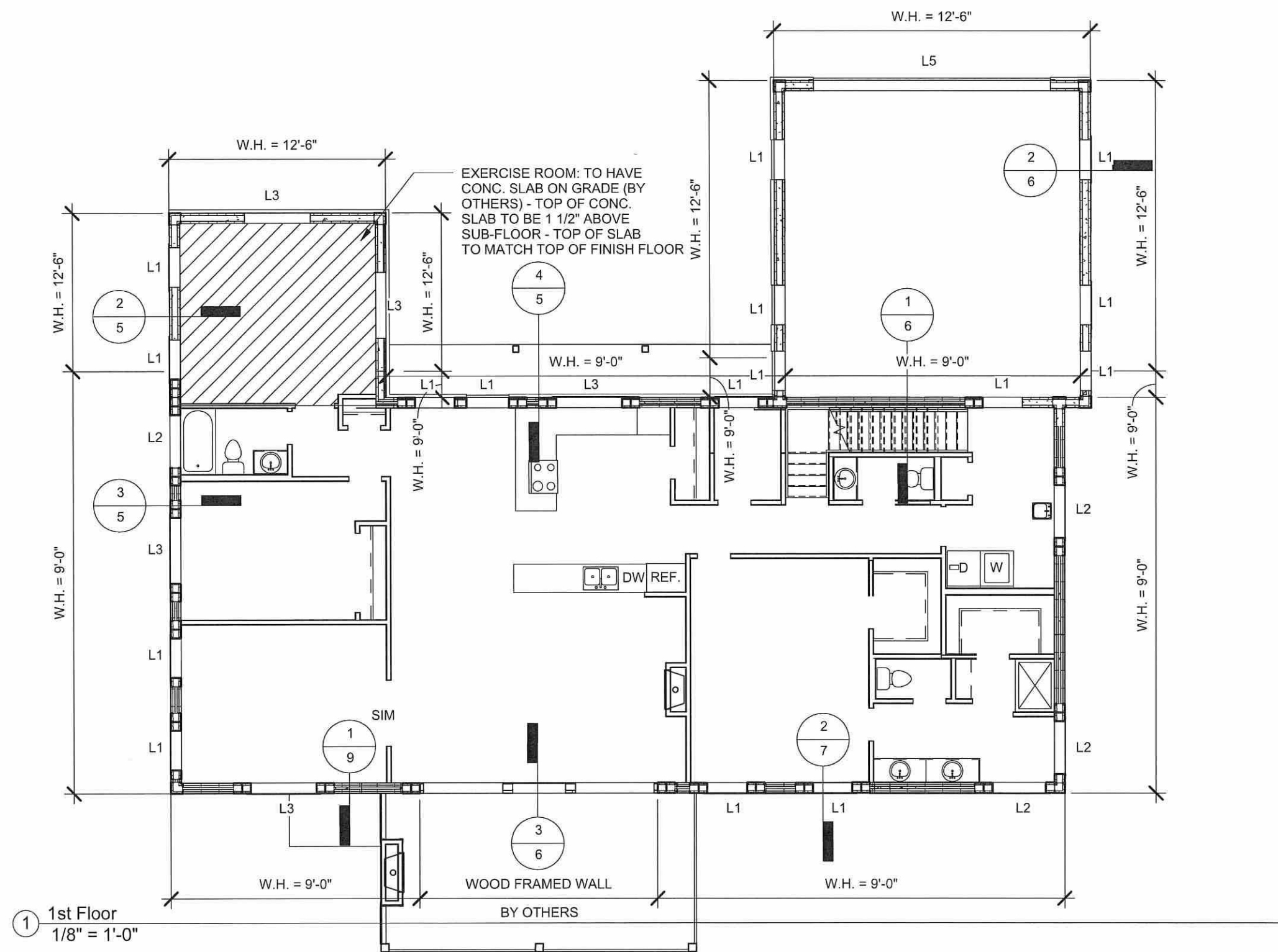
EXT. INT. FLAT WALL - EXPOSED STUD

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 / 5 . DRAIN TILE TO BE PROVIDED BY OTHERS - TO BE INSTALLED PER CODE.

② BASEMENT  
1/8" = 1'-0"



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DRAWING SCALE :

1/8" = 1'-0"

DRAWING NAME :

LAYOUT PLAN



*21 Jun 2018*

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REVISIONS:

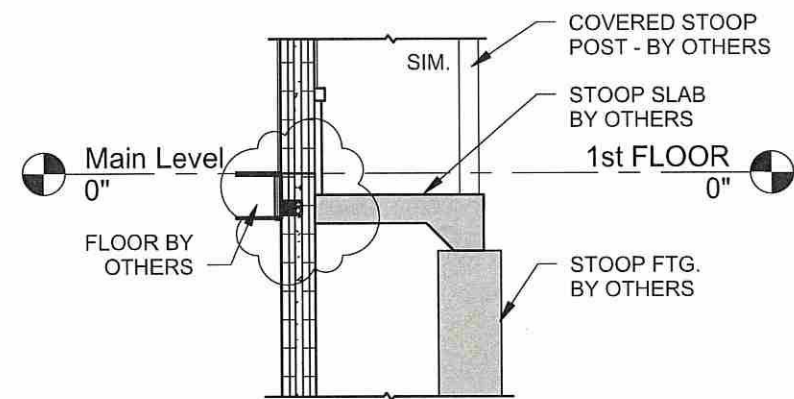
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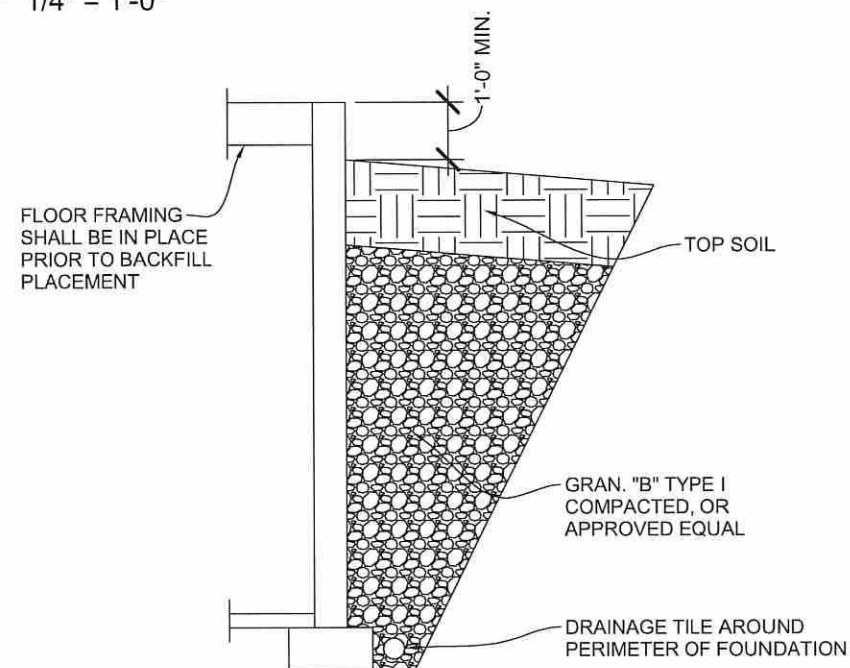
1/4" = 1'-0"

DRAWING NAME :

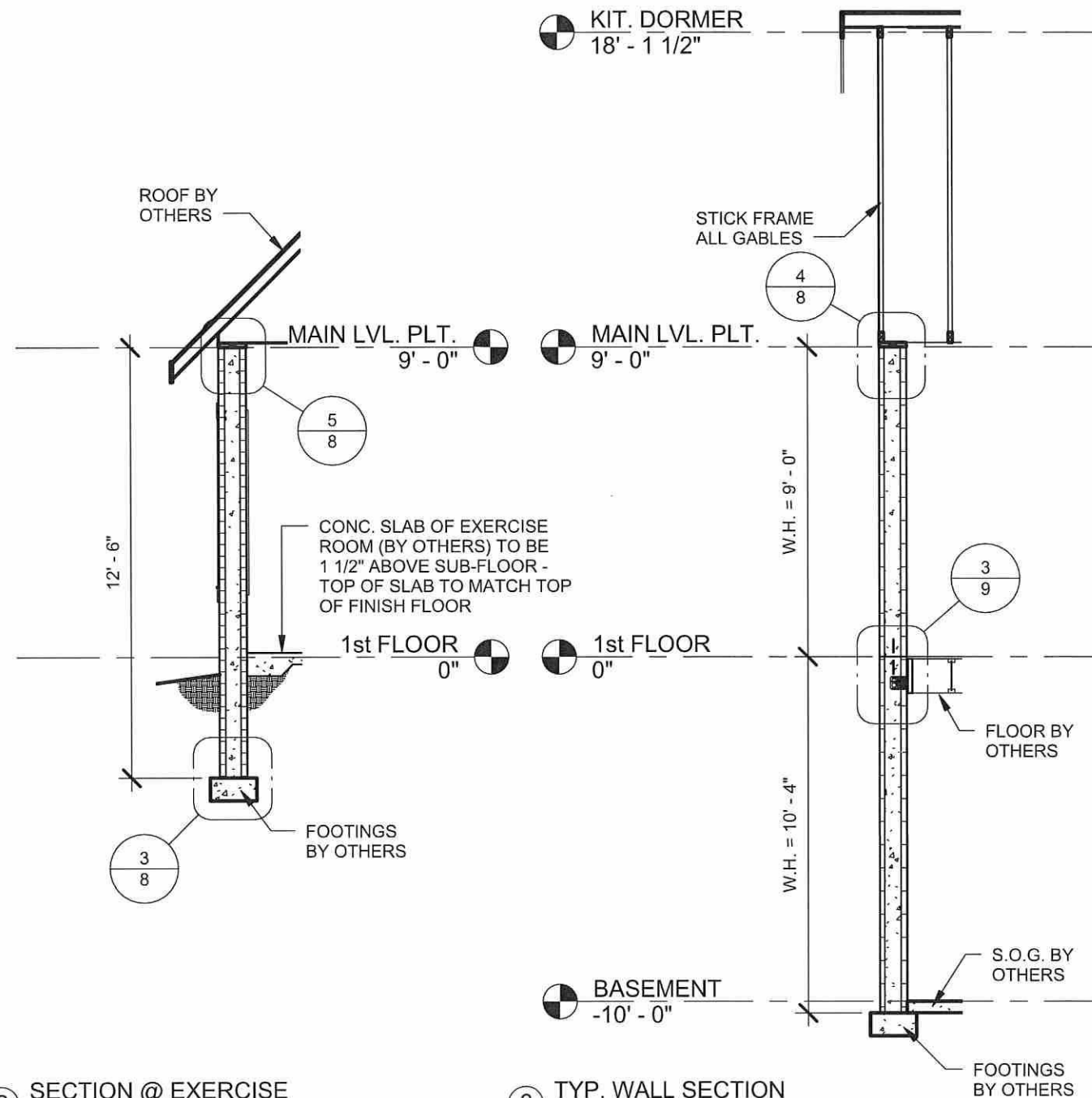
WALL SECTIONS



4 STOOP SECTION  
1/4" = 1'-0"



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



2 SECTION @ EXERCISE  
1/4" = 1'-0"

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



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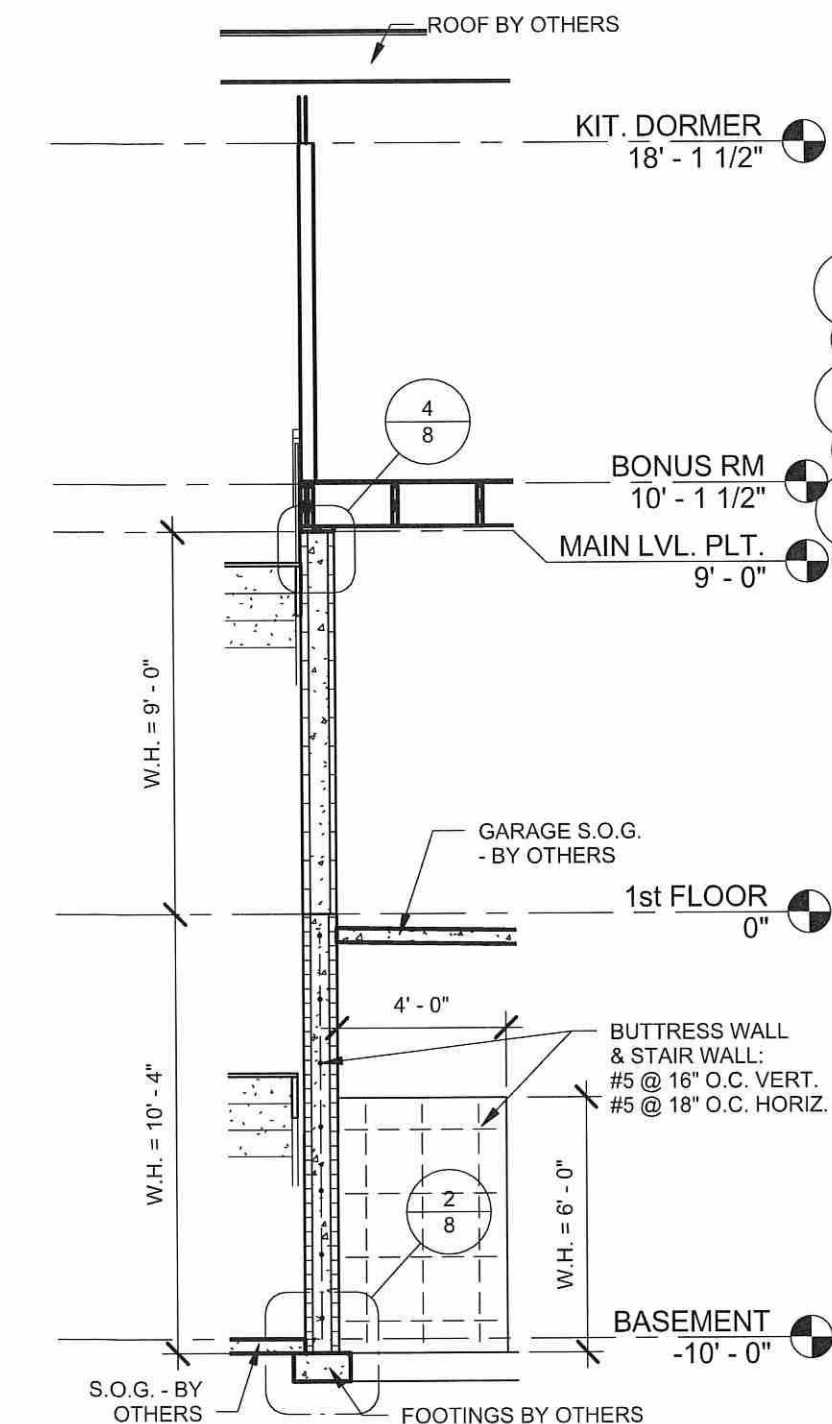
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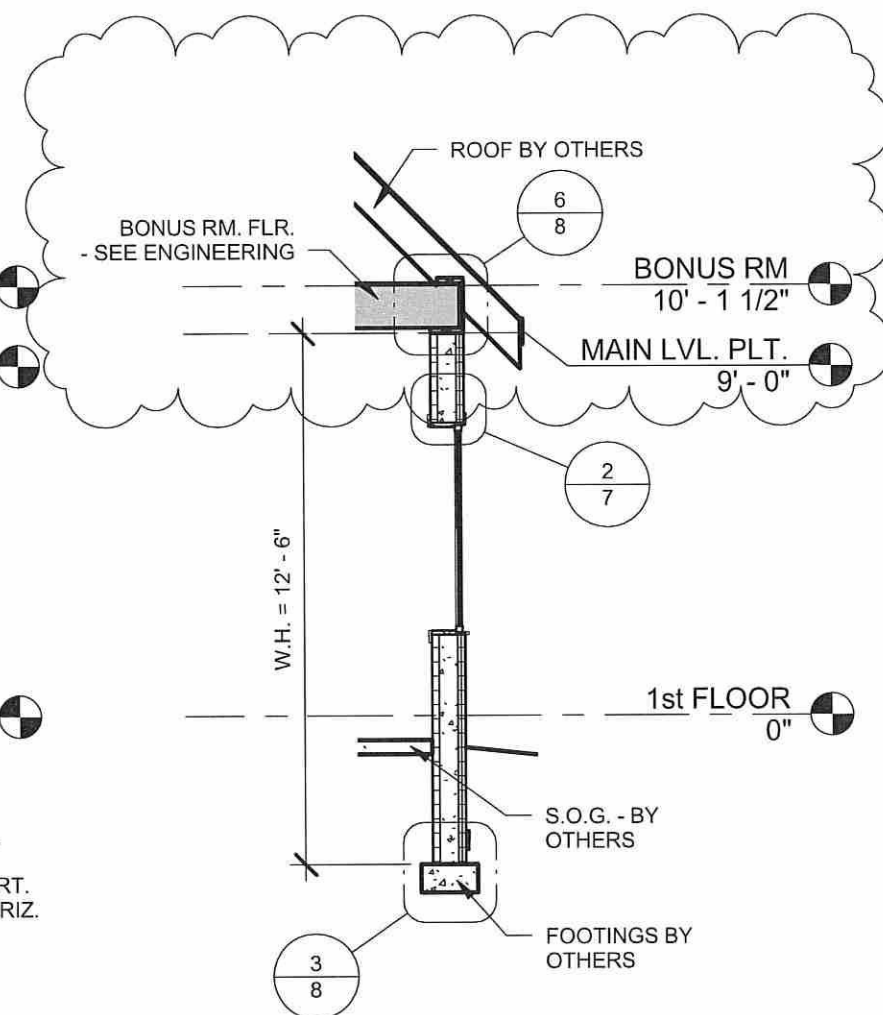
REVISIONS:

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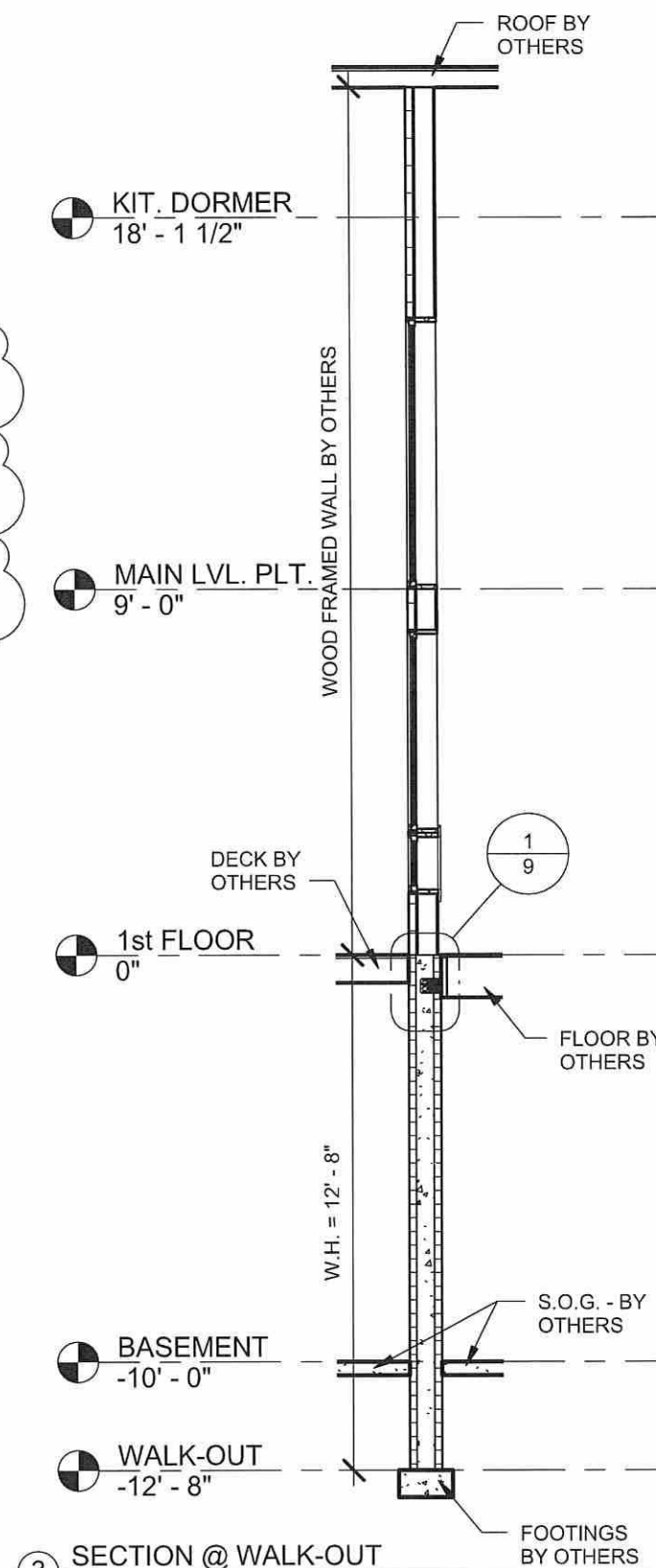
DRAWING SCALE :  
1/4" = 1'-0"  
DRAWING NAME :  
WALL SECTIONS



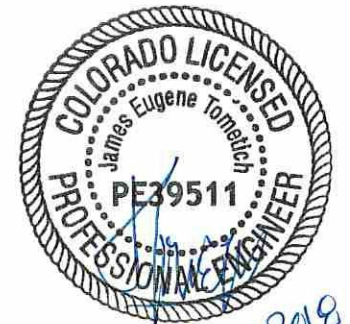
1 SECTION @ BUTTRESS WALL  
1/4" = 1'-0"



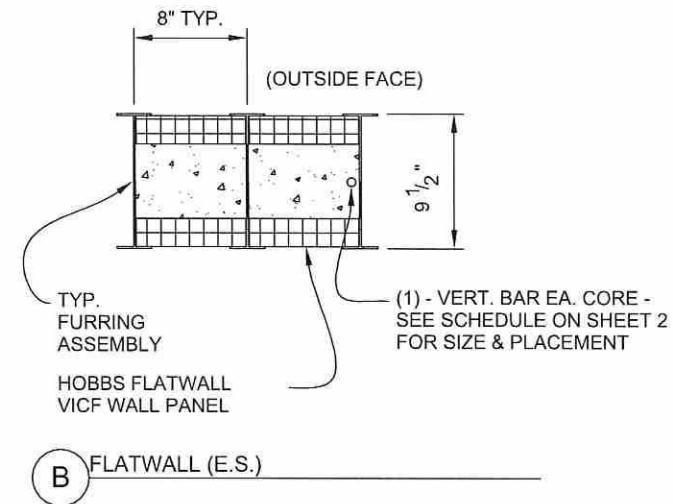
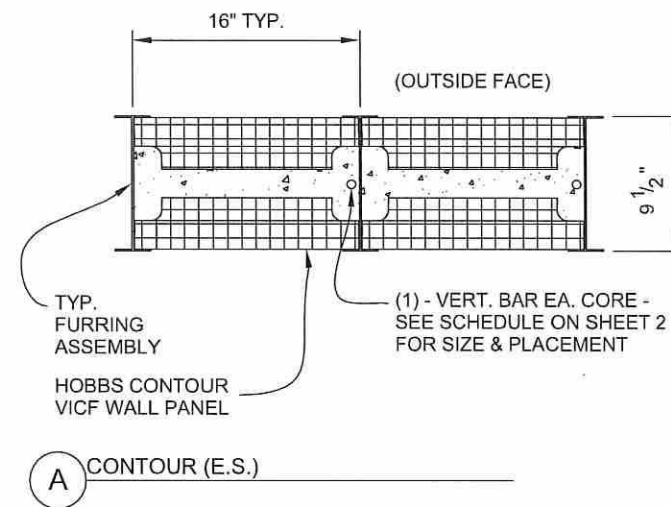
2 SECTION @ GARAGE  
1/4" = 1'-0"



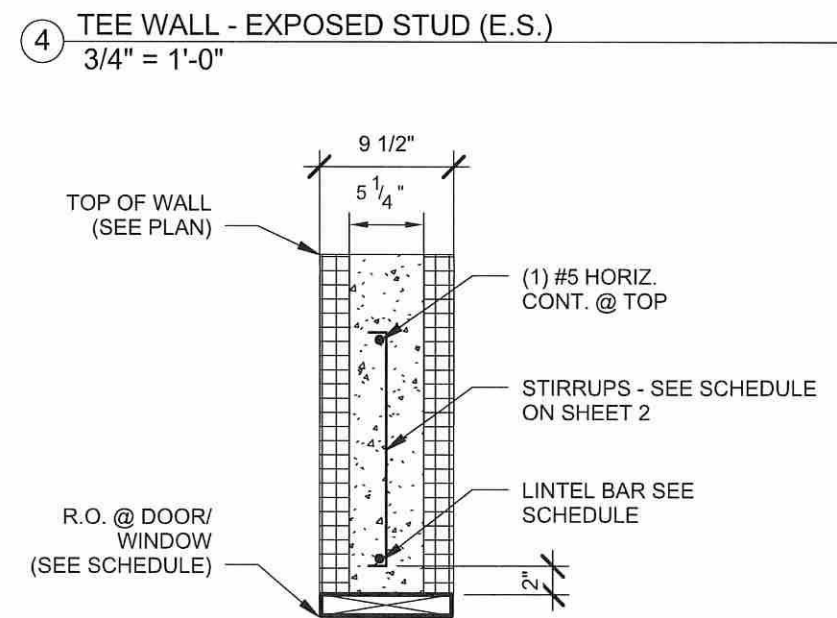
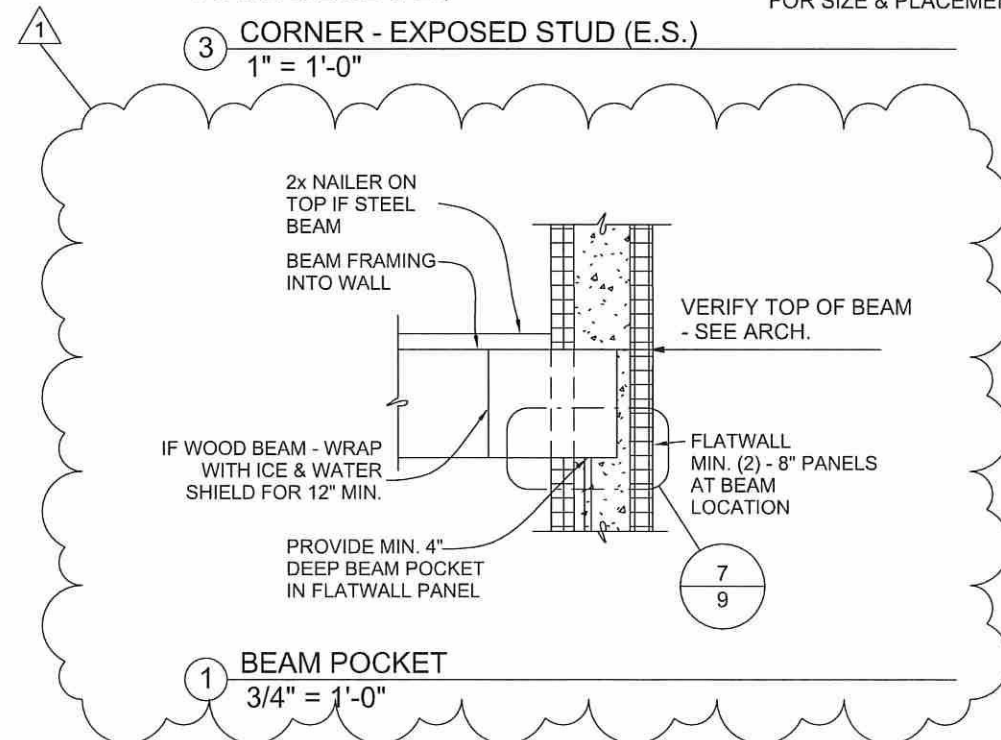
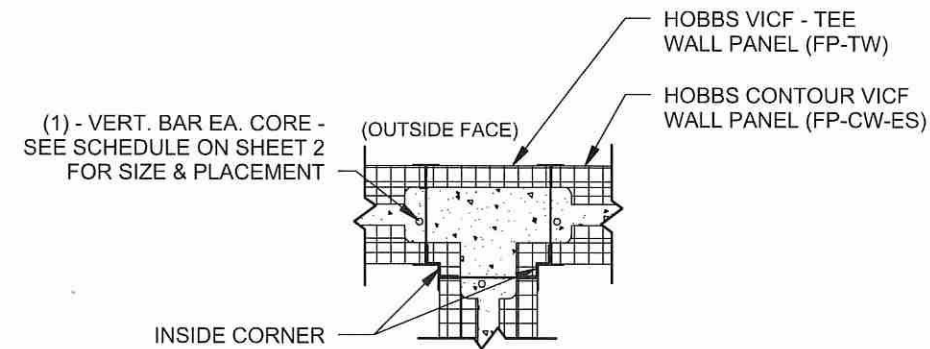
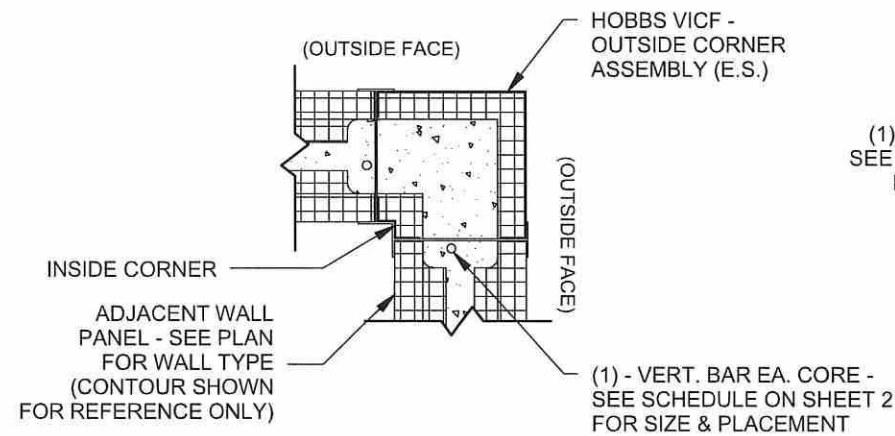
3 SECTION @ WALK-OUT  
1/4" = 1'-0"



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5 PLAN DETAILS  
1" = 1'-0"



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DRAWING SCALE :

As indicated

DRAWING NAME :

DETAILS



21-Jan-2018

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REVISIONS:

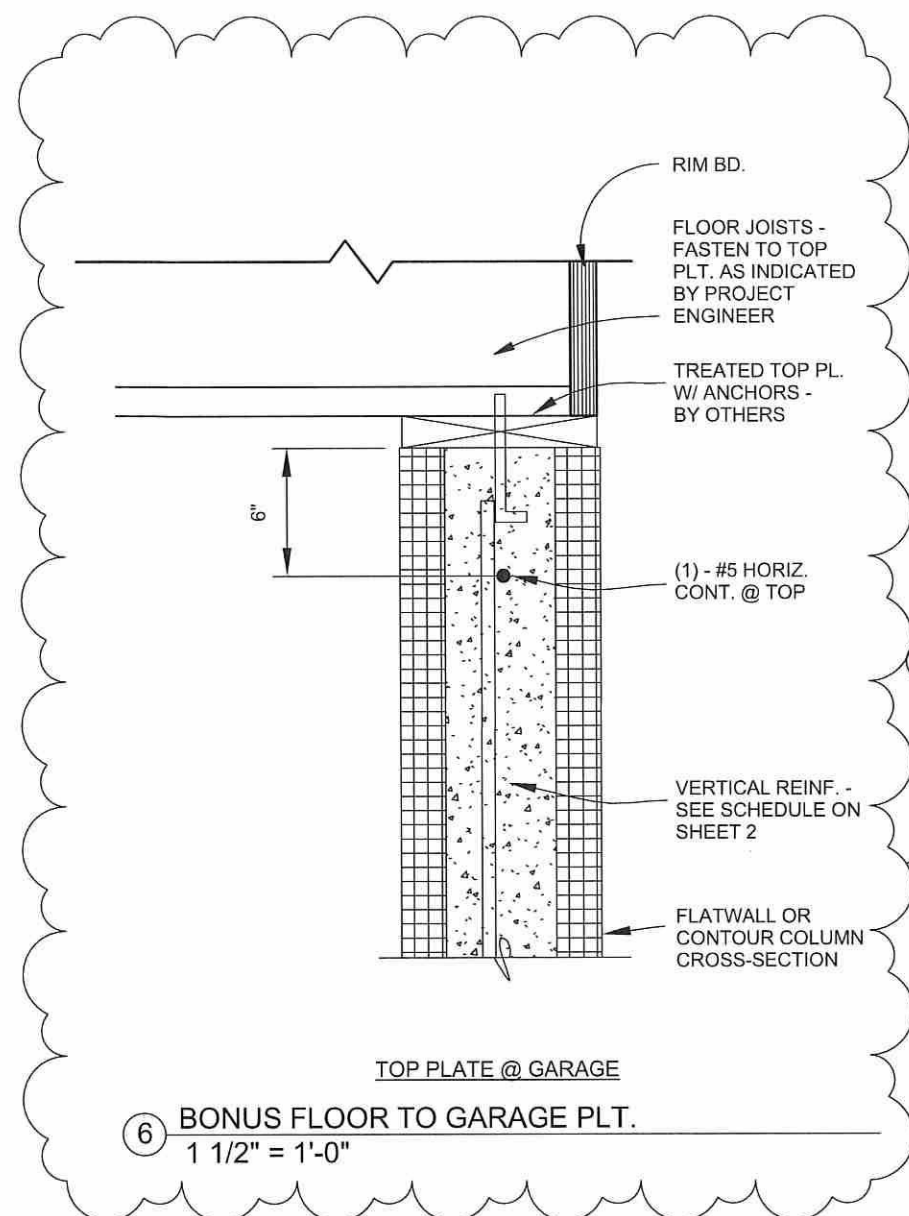
1	062018	6
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DRAWING SCALE :

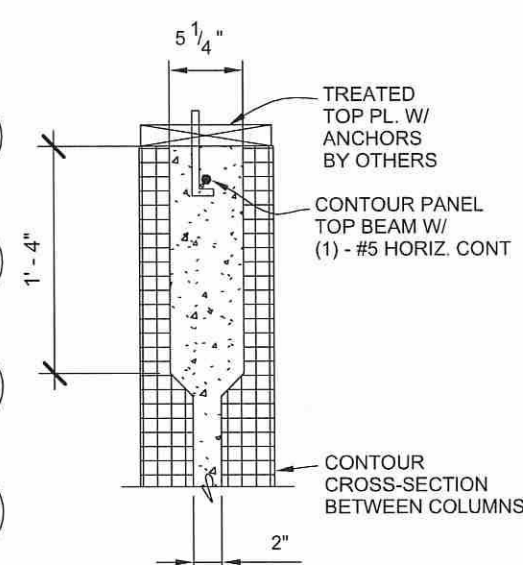
As indicated

DRAWING NAME :

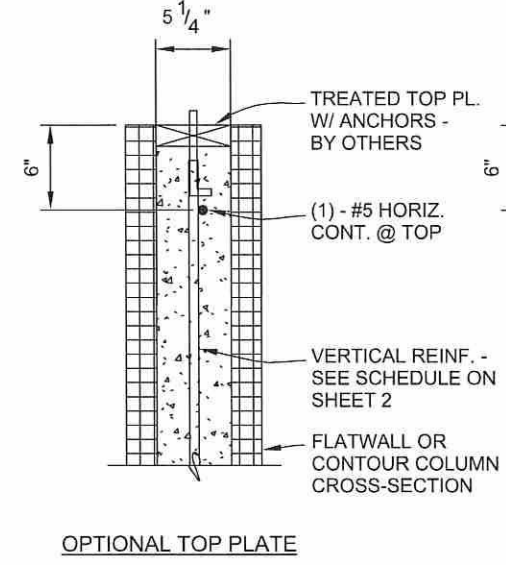
DETAILS



6 BONUS FLOOR TO GARAGE PLT.  
1 1/2" = 1'-0"



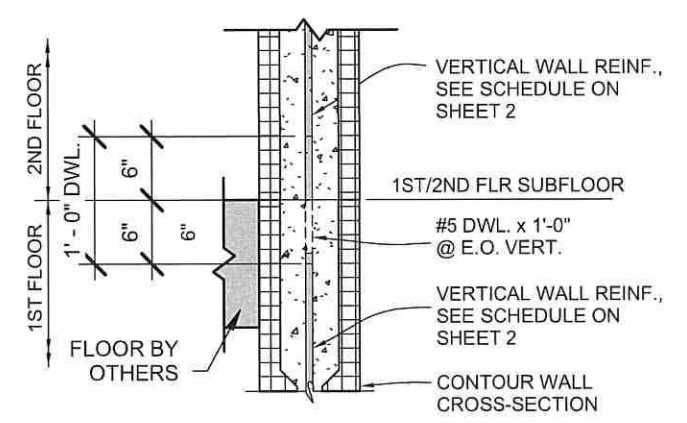
4 TOP OF WALL @ CONTOUR WALL  
1" = 1'-0"



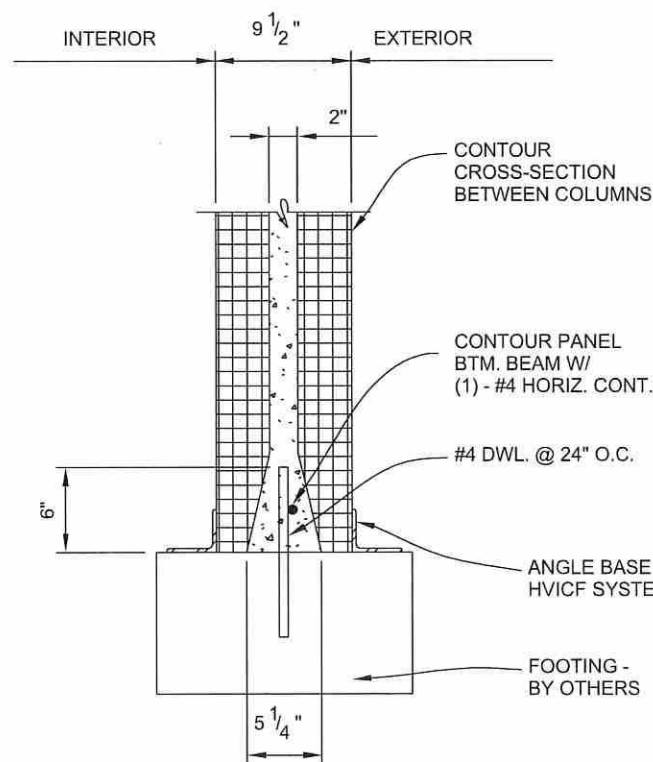
5 TOP OF WALL @ FLAT WALL  
1" = 1'-0"

OPTIONAL TOP PLATE      STANDARD TOP PLATE

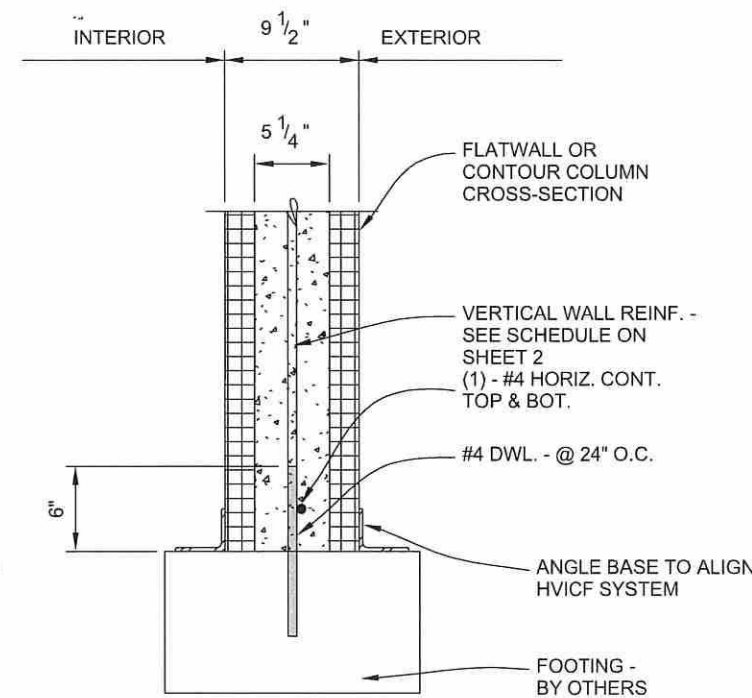
TOP PLATE NOTE: ONLY ONE TOP PLATE CONFIGURATION CAN BE USED



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



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



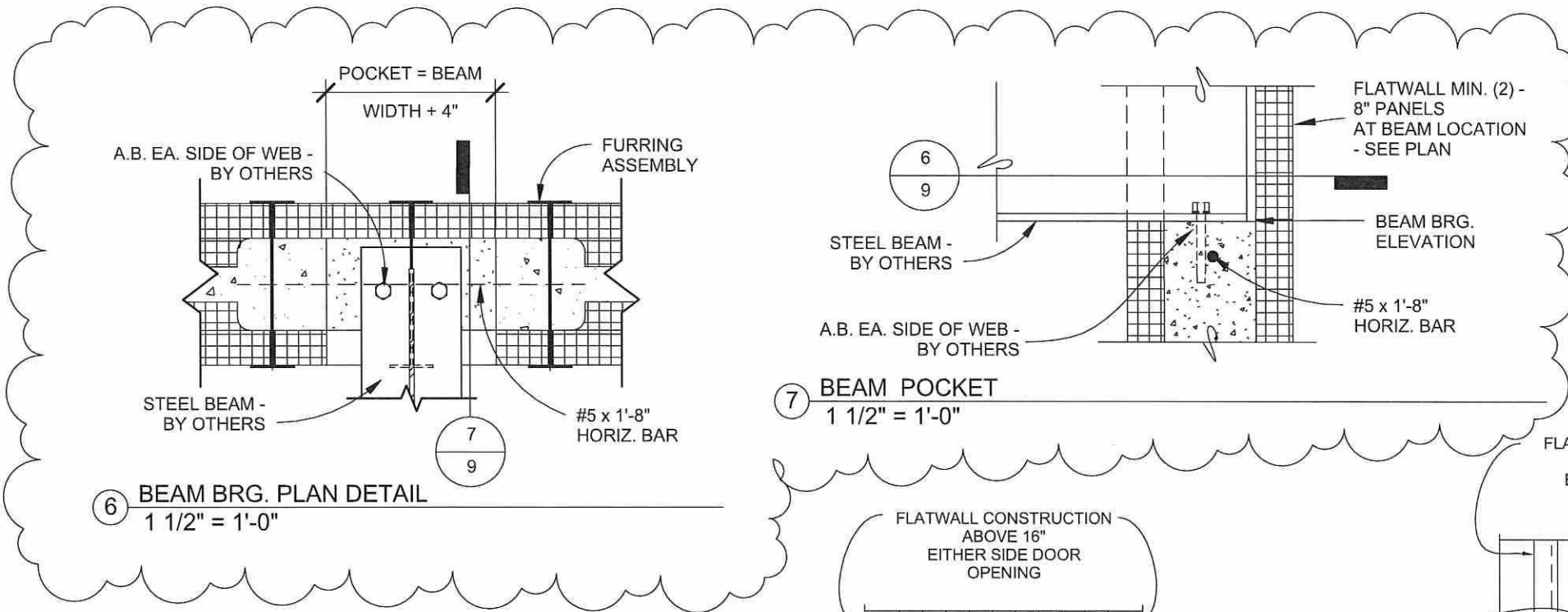
3 BOTTOM OF WALL @ FLAT WALL  
1" = 1'-0"



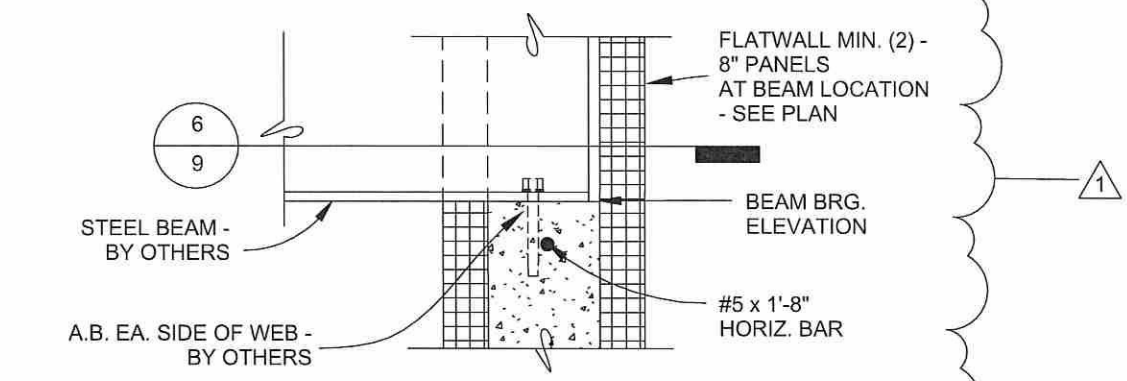


21. Jan. 2018

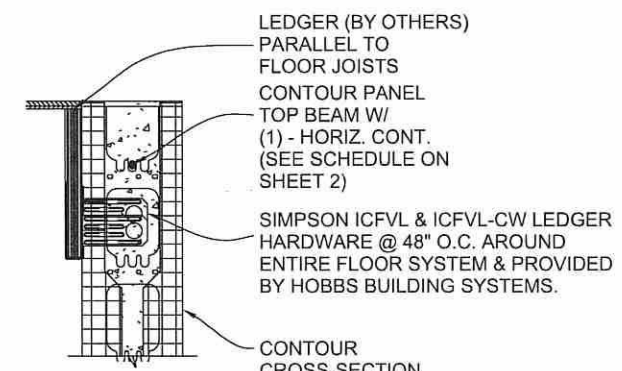
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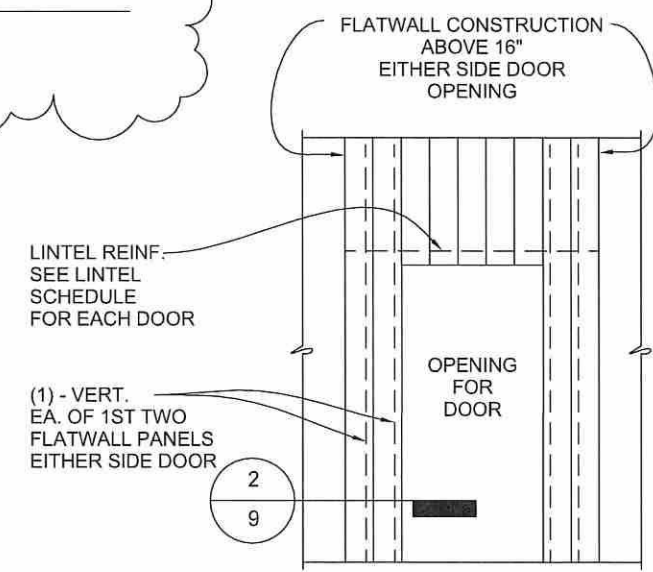
6 BEAM BRG. PLAN DETAIL  
1 1/2" = 1'-0"



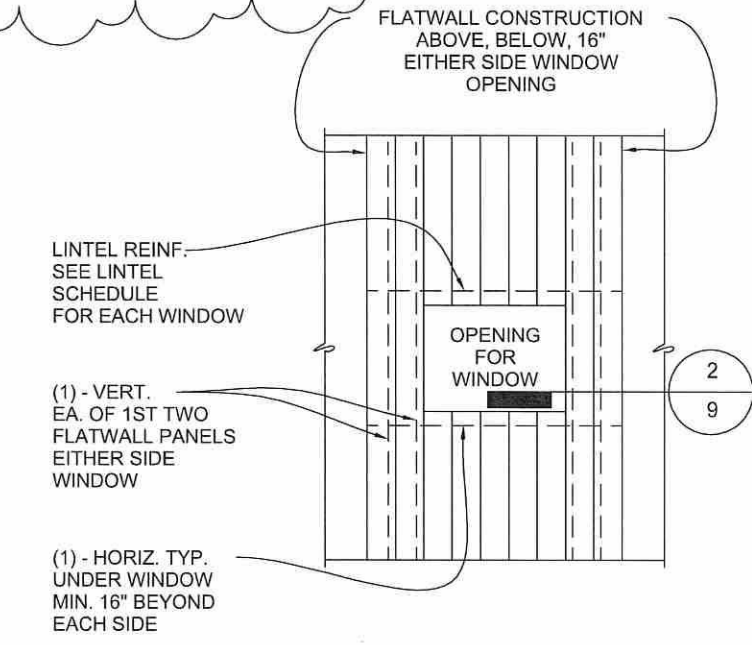
7 BEAM POCKET  
1 1/2" = 1'-0"



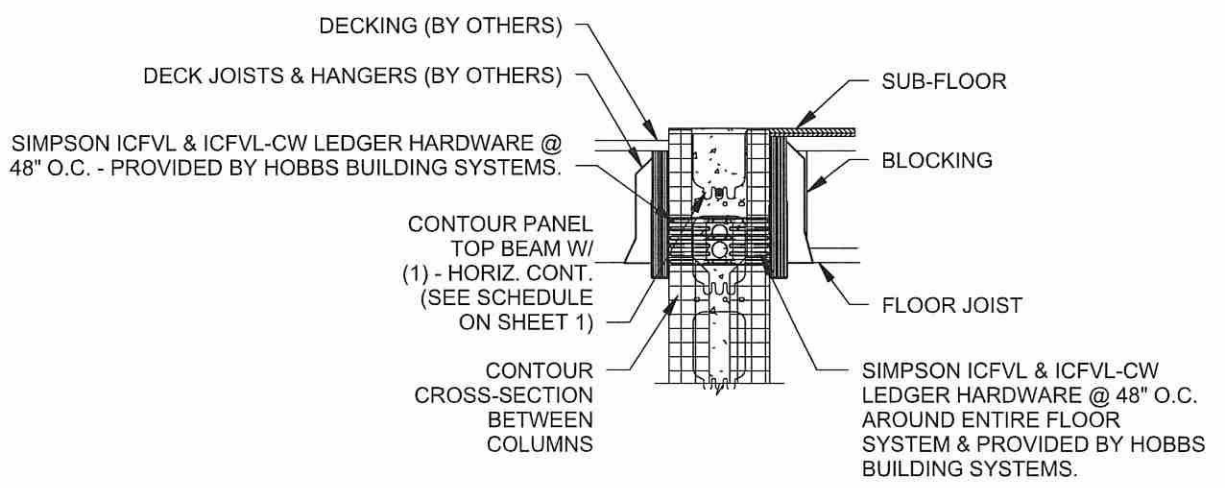
3 LEDGER BEAM  
3/4" = 1'-0"



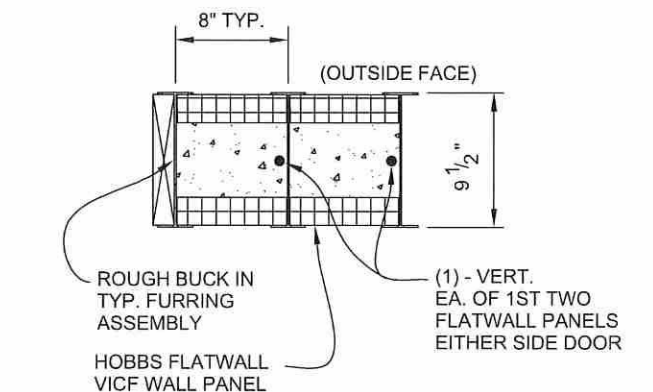
4 TYP. ELEV. @ DOOR  
1/4" = 1'-0"



5 TYP. ELEV. @ WINDOW  
1/4" = 1'-0"



1 DECK JOIST HANGERS  
3/4" = 1'-0"



2 JAMB DETAIL  
1" = 1'-0"

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As indicated

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DETAILS