

**PATENTS:**

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

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# SHOP DRAWINGS FOR: ARIZONA RESIDENCE

GILBERT, AZ 85295



LINTEL SCHEDULE						
MARK	LINTEL BAR - TOP & BOTTOM	SHEAR REINFORCING	R.O. HEAD HT.	LINTEL DEPTH	WIDTH R.O.	
L0	1- #5 (R.O. WIDTH + 4'-0")	#3 STIRRUP W/ HOOK EA. END @ 12" O.C.	VERIFY	1'-0" MIN.	1'-0"	
L1	1- #5 (R.O. WIDTH + 4'-0")	#3 STIRRUP W/ HOOK EA. END @ 12" O.C.	VERIFY	1'-0" MIN.	3'-0"	
L2	1- #5 (R.O. WIDTH + 4'-0")	#3 STIRRUP W/ HOOK EA. END @ 12" O.C.	VERIFY	1'-0" MIN.	4'-0"	
L3	1- #5 (R.O. WIDTH + 4'-0")	#3 STIRRUP W/ HOOK EA. END @ 12" O.C.	VERIFY	1'-0" MIN.	5'-0"	
L4	1- #5 (R.O. WIDTH + 4'-0")	#3 STIRRUP W/ HOOK EA. END @ 12" O.C.	VERIFY	1'-0" MIN.	6'-0"	
L5	2- #4 (R.O. WIDTH + 4'-0")	#3 STIRRUP W/ HOOK EA. END @ 12" O.C.	VERIFY	1'-4" MIN.	10'-0"	
L6	2- #5 (R.O. WIDTH + 4'-0")	#3 STIRRUP W/ HOOK EA. END @ 12" O.C.	VERIFY	2'-0" MIN.	15'-0"	
*L7	2- #5 SEE NOTE & DETAIL	#3 STIRRUP W/ HOOK EA. END @ 12" O.C.	VERIFY	2'-0" MIN.	CORNER	
L8	2- #5 (R.O. WIDTH + 4'-0")	#3 STIRRUP W/ HOOK EA. END @ 12" O.C.	VERIFY	2'-0" MIN.	18'-0"	

\*L7: THE TOP LINTEL BARS SHALL EXTEND 4 TIMES THE LINTEL PROJECTION BEYOND THE END OF THE LINTEL.

LOCATION PROPERTIES		WALL HORIZ. REINFORCING SCHEDULE			VERT. REINFORCING SCHEDULE		
LEVEL	WALL HT.	TOP OF WALL BAR	INTERMEDIATES	BOTTOM OF WALL BAR	VERT. REINF. BAR	SPACING	POSITION
FOUNDATION WALLS	11'-10"	#5	N/A	#5	#5	8" O.C.	OFFSET
	11'-3 1/4"	#5	N/A	#5	#5	8" O.C.	OFFSET
	10'-11 1/4"	#5	N/A	#5	#5	8" O.C.	OFFSET
	*6" BUTTRESS	#5	#4 @ 18" O.C.	#5	#5	16" O.C.	CENTER
MAIN FLOOR WALLS	11'-10 1/2"	#5	N/A	#4	#4	16" O.C.	CENTER
	11'-11 3/4"	#5	N/A	#4	#4	16" O.C.	CENTER
	12'-2 1/2"	#5	N/A	#4	#4	16" O.C.	CENTER
	13'-11 3/4"	#5	N/A	#4	#4	16" O.C.	CENTER

**NOTES:**

- FOUNDATION WALLS WITH BACKFILL ON ONLY ONE SIDE TO HAVE VERTICAL BAR IN OFFSET POSITION.
- \*BUTTRESS WALL PANELS TO BE CUT DOWN TO 6'-0" FROM 11'-10" WALL PANELS IN FIELD.

**GENERAL NOTES / DESIGN DATA**

**DESIGN PARAMETERS:**

- BUILDING CODE REFERENCE  
IRC 2018
- CLIMATIC DATA - GILBERT, AZ  
SNOW LOAD: N/A PSF  
WIND EXPOSURE: C  
WIND SPEED: 102 MPH  
DESIGN WIND LOAD: 19.38 PSF  
SEISMIC CATEGORY: B  
RISK CATEGORY: II

**LOADS**

- DEAD LOADS**  
ROOF: 15 PSF  
FLOORS: 16 PSF
- LIVE LOADS**  
ROOF: 30 PSF  
FLOORS: 50 PSF

**CONSTRUCTION MATERIAL:**

- 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 8 FLYASH BY WEIGHT FOR CEMENT IN CONCRETE MIX

**REINFORCEMENT:**

ASTM A615 GRADE 60.

**GENERAL NOTES:**

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF DETAILS PROVIDED FOR HOBBS WALL SYSTEM WITH ALL OTHER BUILDING COMPONENTS, SUCH AS 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 OR GM AND SHALL BE TILED AT FOOTING ELEVATION.

**Sheet List**

Sheet Number	Sheet Name
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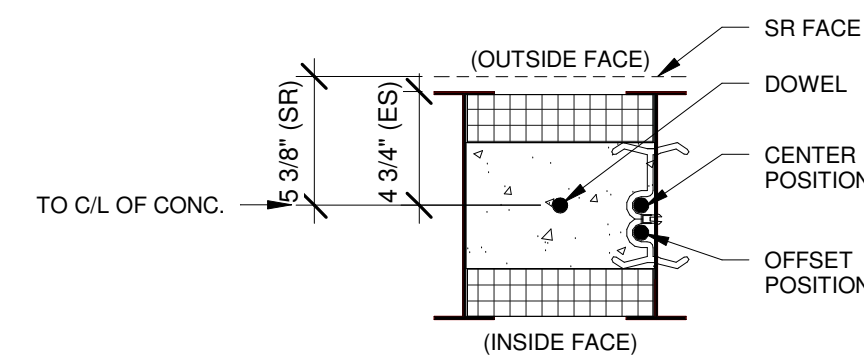
1	COVER SHEET
2	LAYOUT PLANS
3	DETAILS
Y1A-EPS	Unnamed
Y1A-M	Unnamed
Y2A-EPS	Unnamed
Y2A-M	Unnamed

**DOWEL REINFORCING SCHEDULE**

LOCATION	VERT. REINF. BAR	SPACING	EMBED	PROJECTION	POSITION
WALL TO FOOTING	#5	8" O.C.	6"	6"	CENTER
WALL TO SLAB	#5	24" O.C.	6"	6"	CENTER
WALL TO WALL	#5	24" O.C.	6"	6"	CENTER

**NOTES:**

- SEE STRUCTURAL DRAWINGS FOR DETAILS
- START DOWEL 12" FROM OUTSIDE OF CORNER ASSEMBLY IN EACH DIRECTION



RETAINER CLIP SCHEDULE	
WALL HEIGHT	QTY. CLIPS PER FURRING ASSEMBLY
12" TO 8'-4"	2
8'-5" TO 10'-4"	3
10'-5" TO 12'-0"	4
12'-1" TO 16'-0"	5

2. BAR POSITION DETAIL  
1 1/2" = 1'-0"

**ABBREVIATIONS**

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

- NOT FOR CONSTRUCTION  
 FOR CONSTRUCTION

**ISSUE DATE :**  
1 NOVEMBER, 2023

**REVISIONS:**

- 1 -
- 2 -
- 3 -
- 4 -
- 5 -

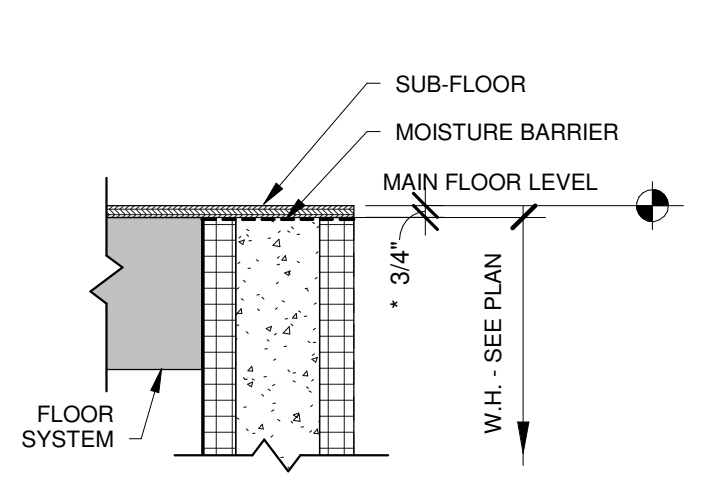
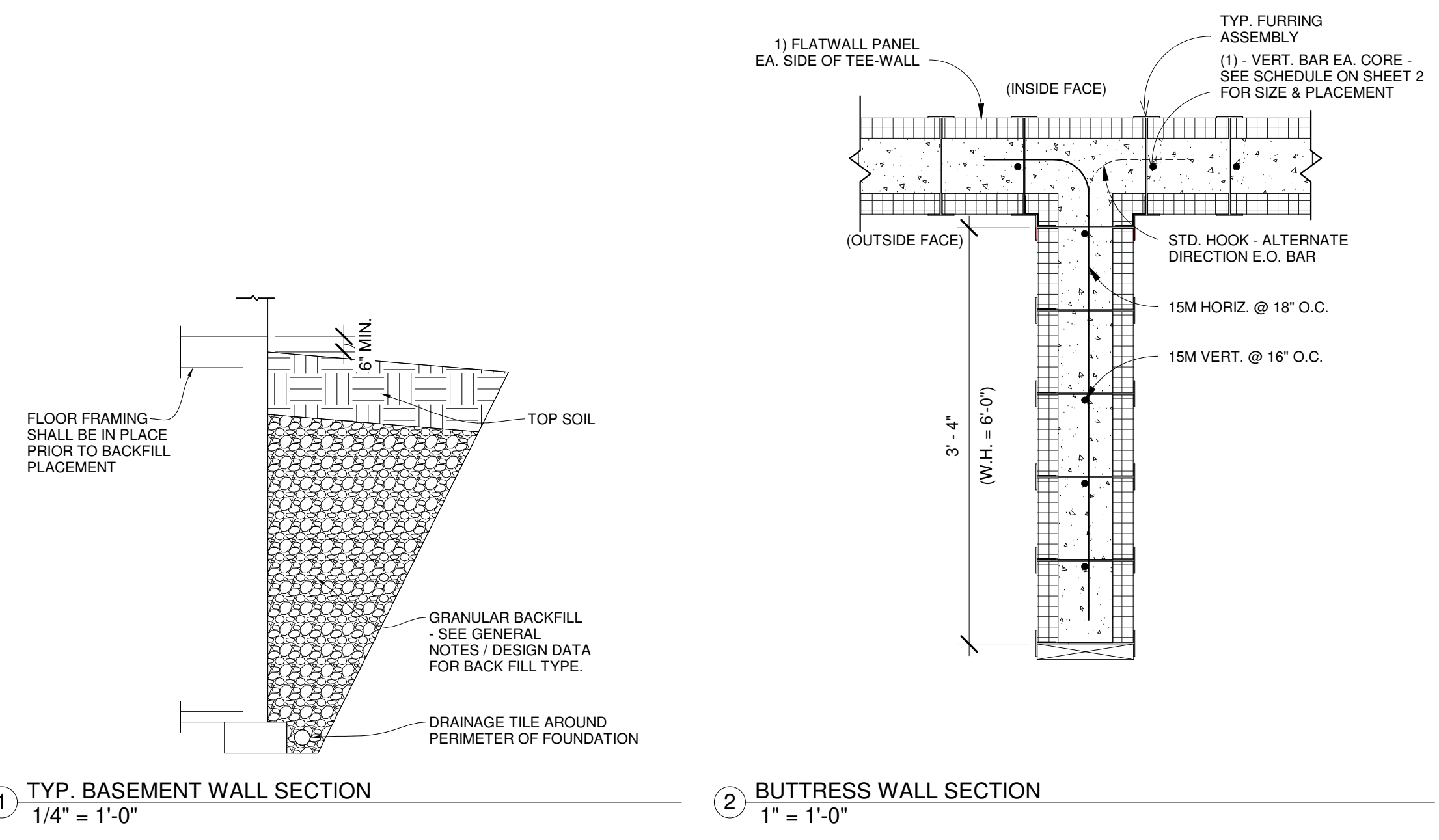
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As indicated

**DRAWING NAME :**  
COVER SHEET

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DRAWING SCALE: As indicated  
REVISION DATE:  
DRAWING NAME: LAYOUT PLANS

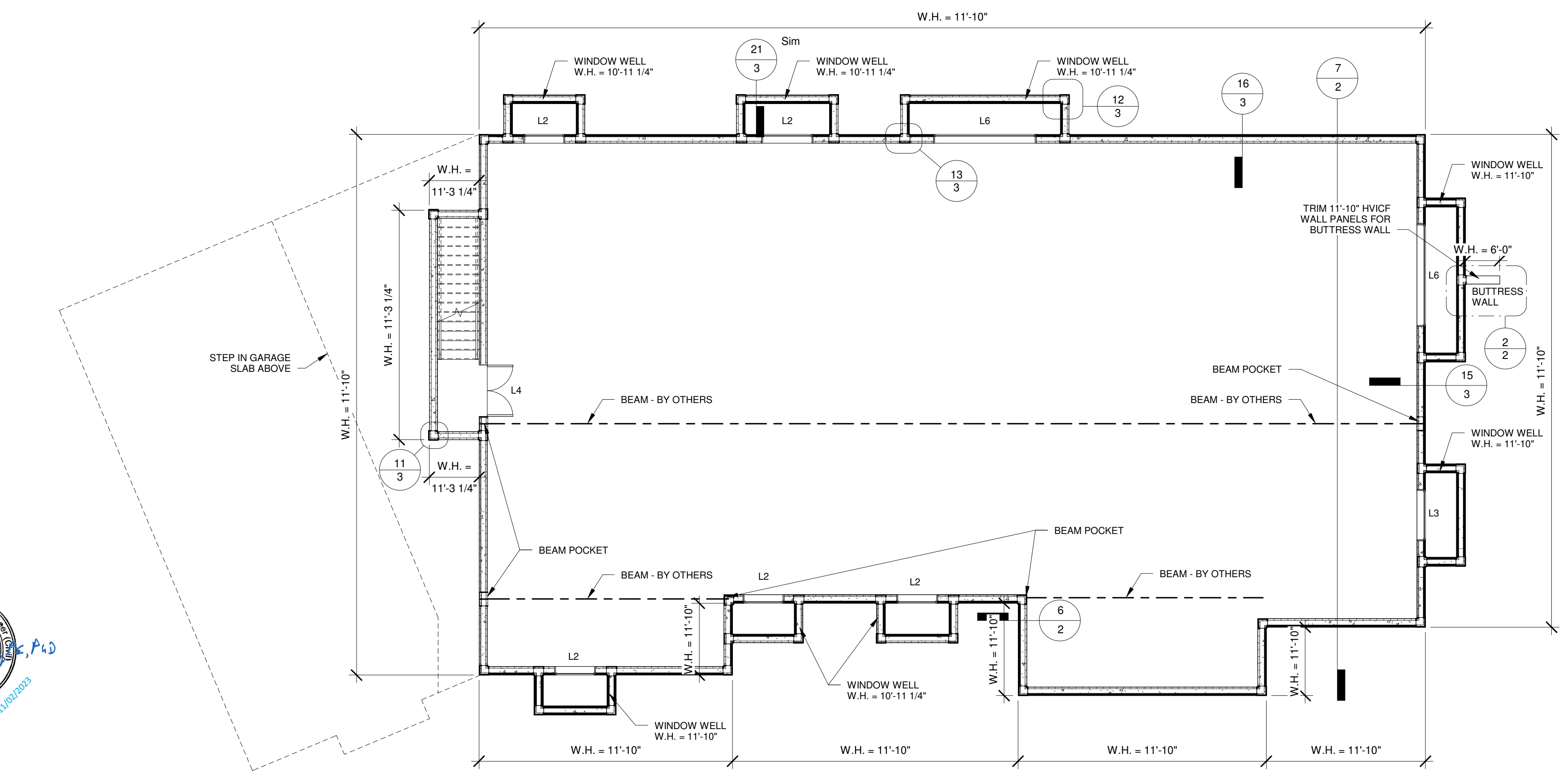
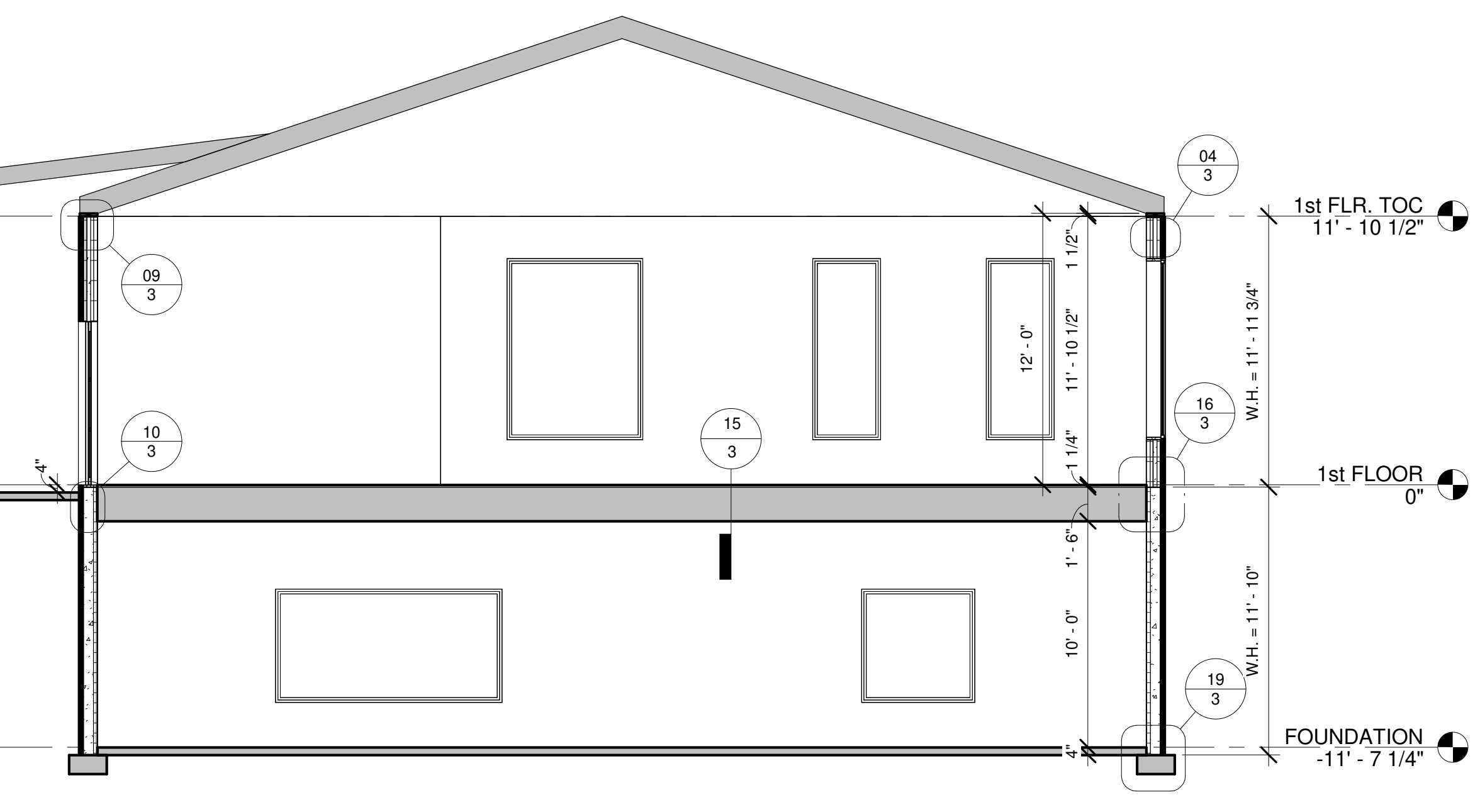
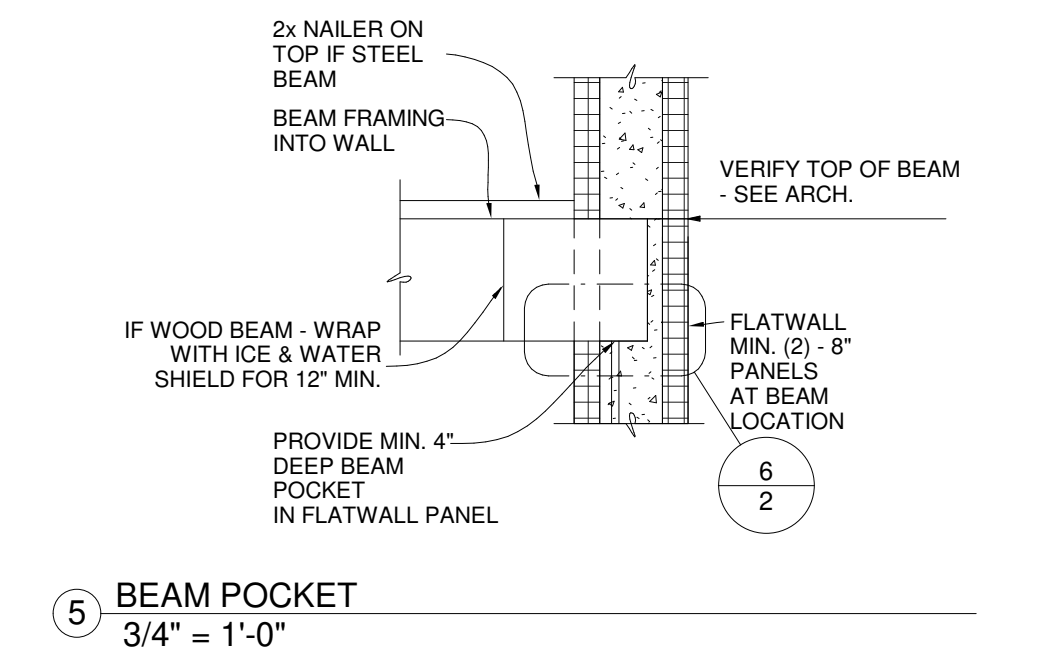
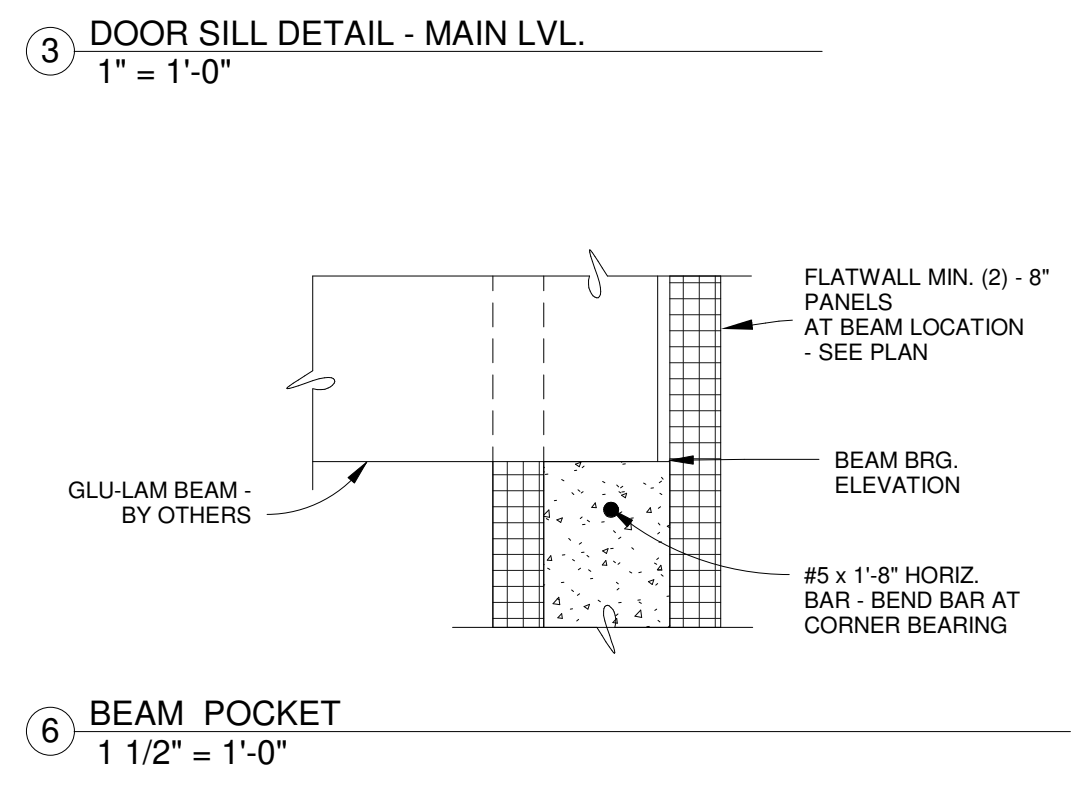


- NOTES:**
- TOP OF HVICF WALL = TOP OF FLOOR JOISTS
  - INSTALL MOISTURE BARRIER BETWEEN SUB-FLOOR AND TOP OF WALL
  - FLOOR JOISTS TO BEAR ON LEDGER
  - \*CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINISH FLOOR ELEVATION

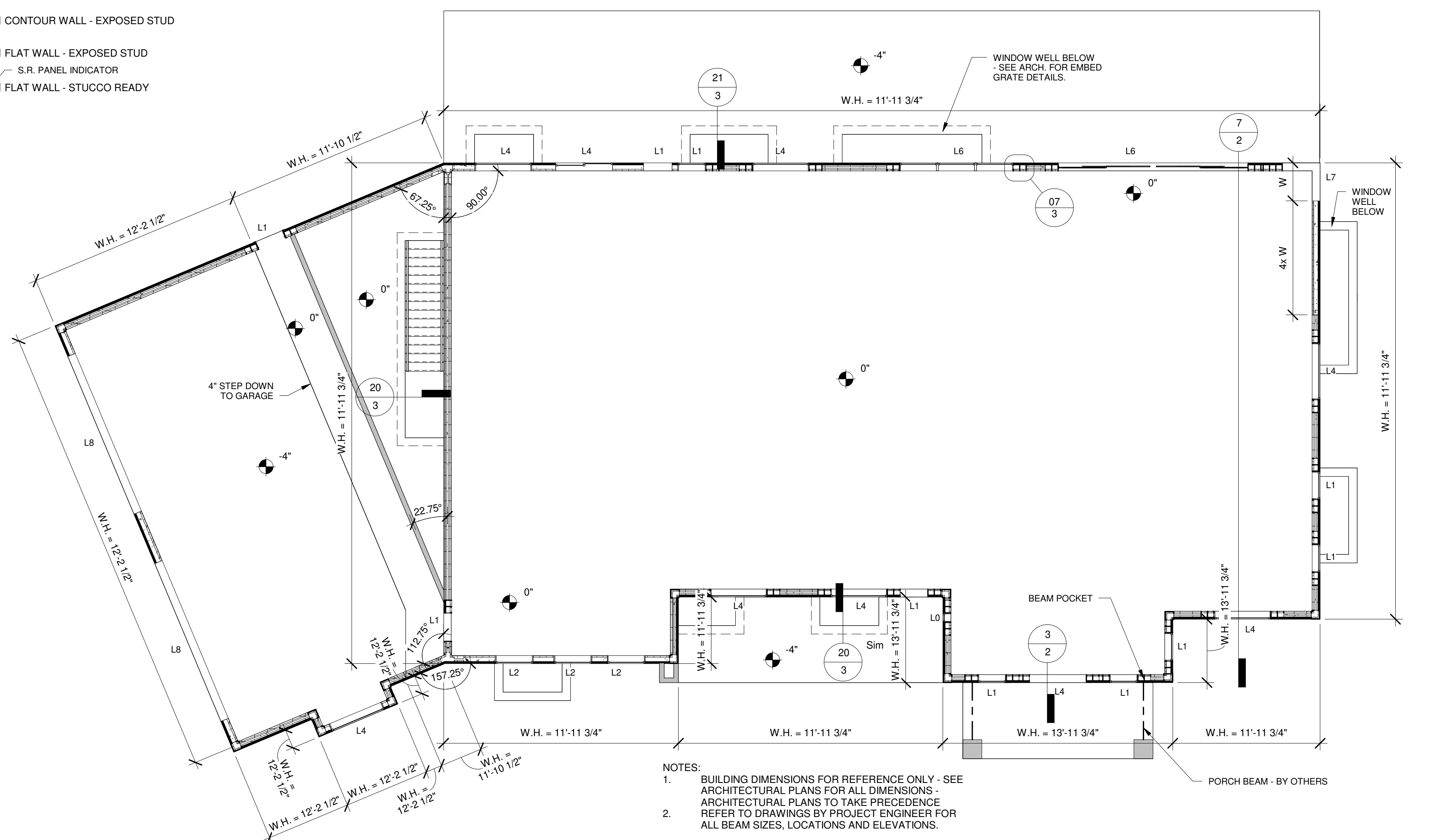


**WALL TYPES**

- S.R. PANEL INDICATOR
- EXT. INT. CONTOUR WALL - STUCCO READY
- EXT. INT. CONTOUR WALL - EXPOSED STUD
- EXT. INT. FLAT WALL - EXPOSED STUD
- EXT. INT. S.R. PANEL INDICATOR
- EXT. INT. FLAT WALL - STUCCO READY



- NOTES:**
- BUILDING DIMENSIONS FOR REFERENCE ONLY - SEE ARCHITECTURAL PLANS (BY SANVERMA DESIGN - DATED 12/13/22) FOR ALL DIMENSIONS - ARCHITECTURAL PLANS TO TAKE PRECEDENCE
  - PROVIDE FOOTING DRAINAGE PER DETAIL 1 / 2. DRAIN TILE TO BE PROVIDED BY OTHERS - TO BE INSTALLED PER CODE

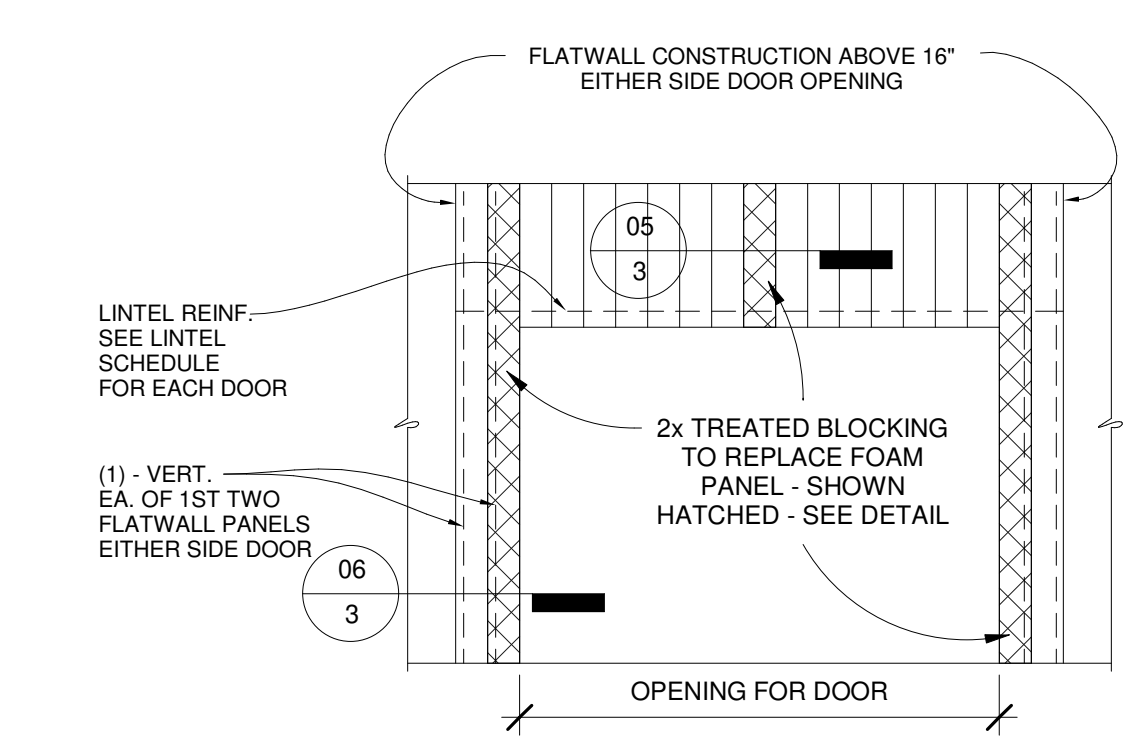


- NOTES:**
- BUILDING DIMENSIONS FOR REFERENCE ONLY - SEE ARCHITECTURAL PLANS FOR ALL DIMENSIONS - ARCHITECTURAL PLANS TO TAKE PRECEDENCE
  - REFER TO DRAWINGS BY PROJECT ENGINEER FOR ALL BEAM SIZES, LOCATIONS AND ELEVATIONS.

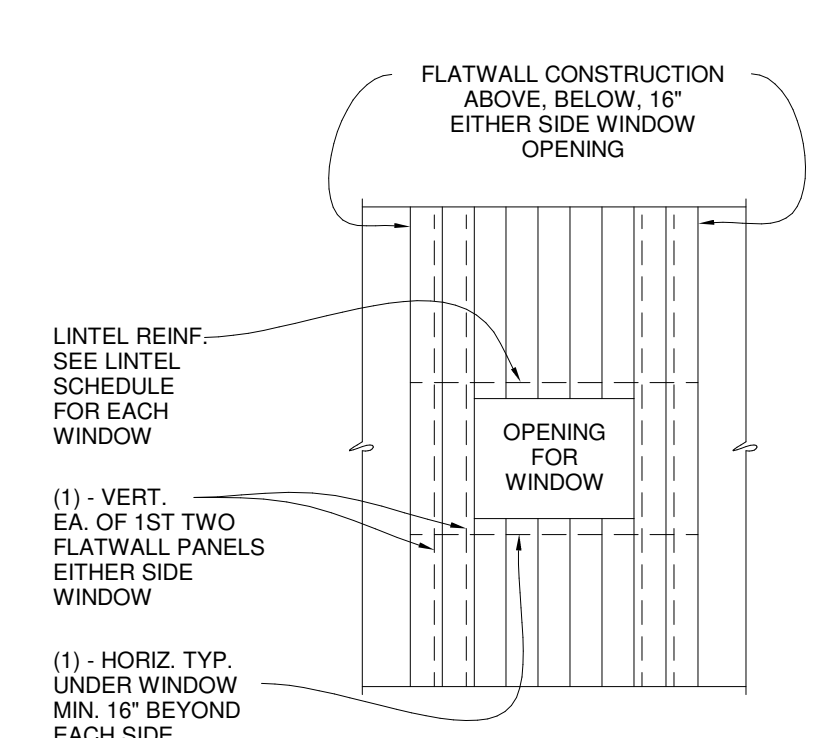


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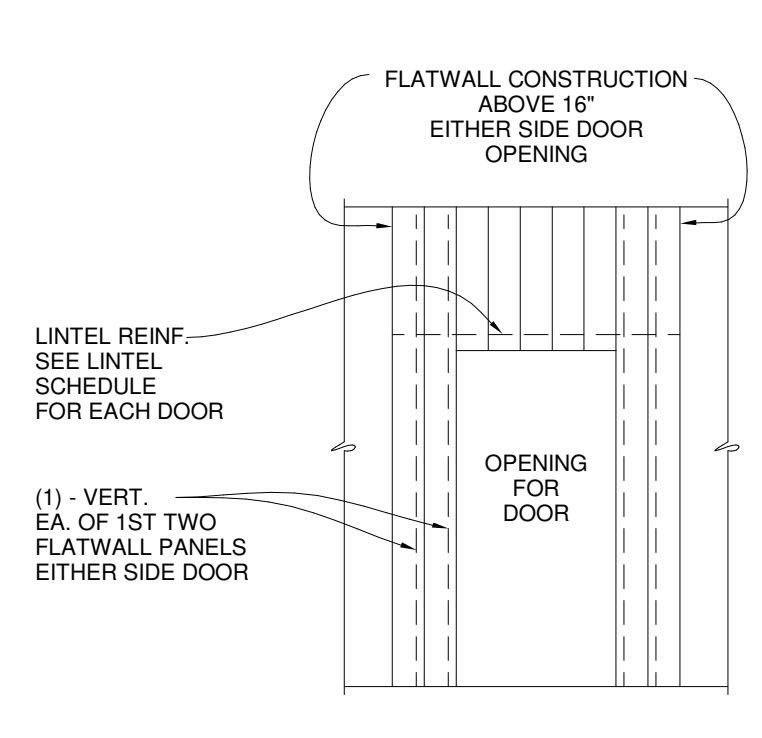
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**REVISION DATE:**  
**DRAWING NAME:**  
DETAILS



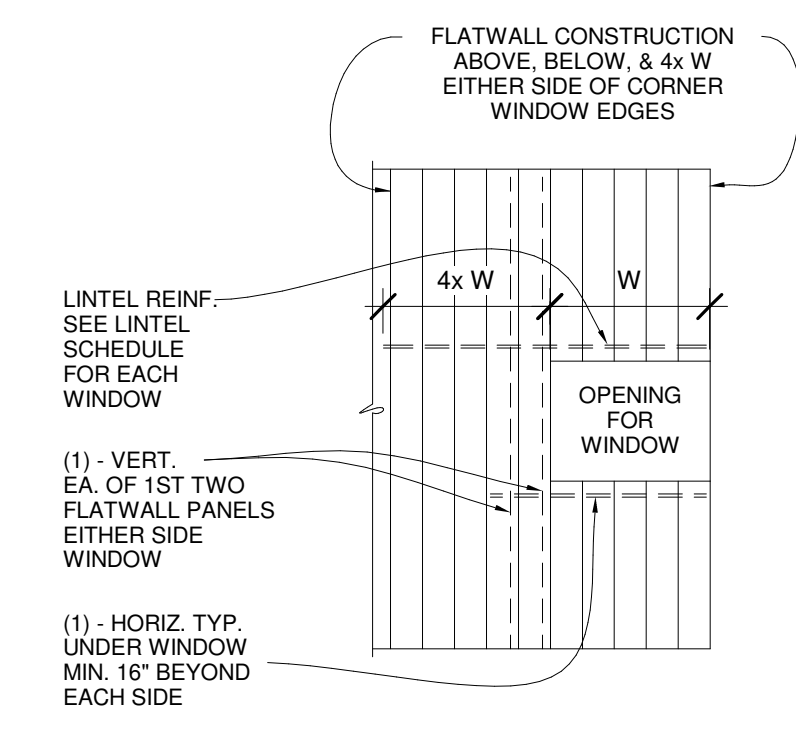
01 TYP. ELEV. @ OVERHEAD DOOR  
1/4" = 1'-0"



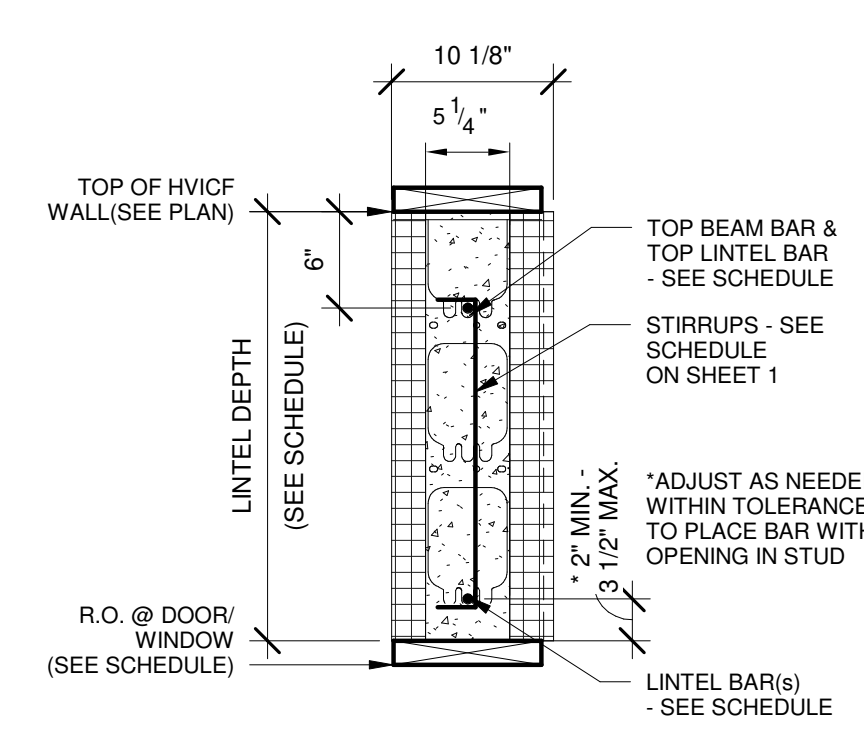
02 TYP. ELEV. @ WINDOW  
1/4" = 1'-0"



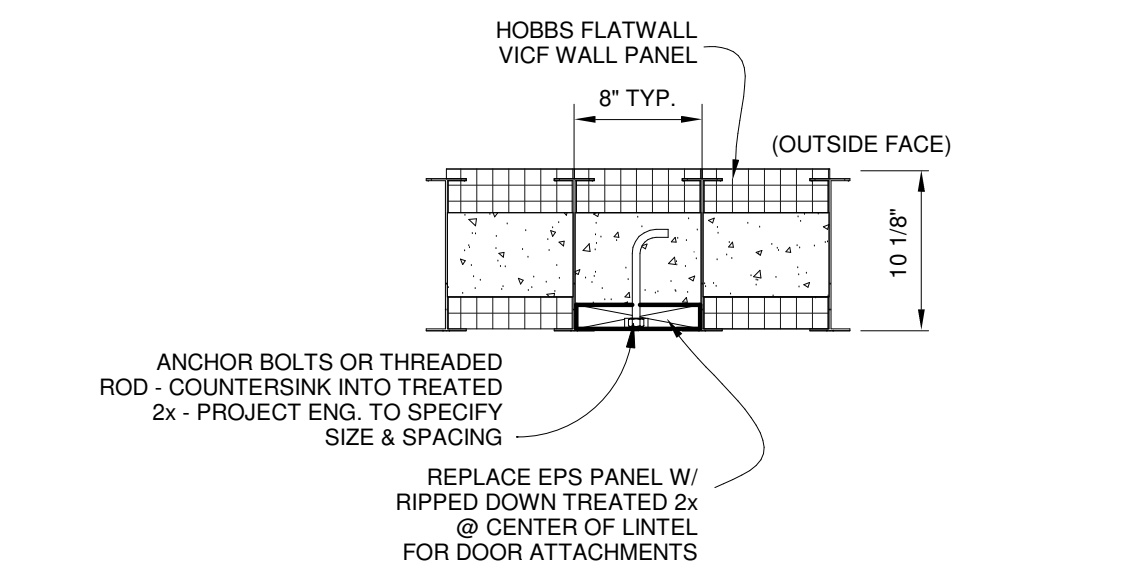
03 TYP. ELEV. @ DOOR  
1/4" = 1'-0"



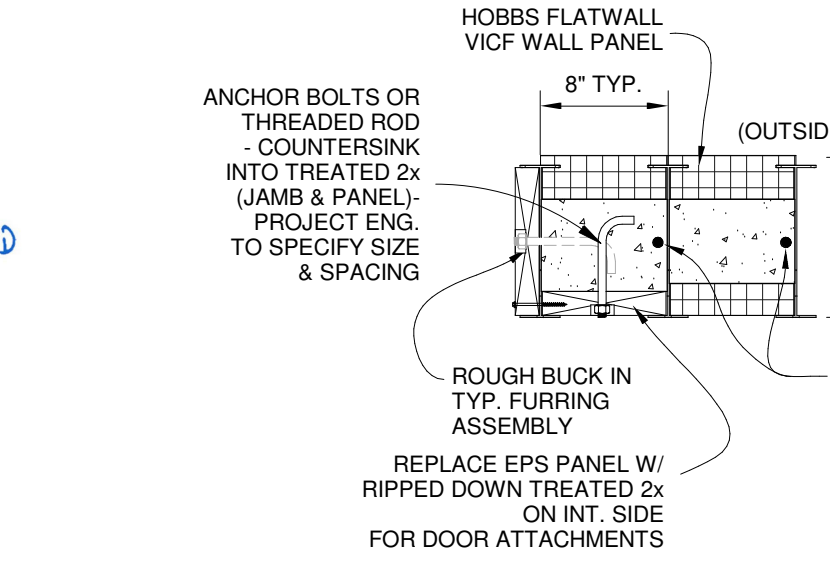
03a CORNER WINDOW ELEVATION  
1/4" = 1'-0"



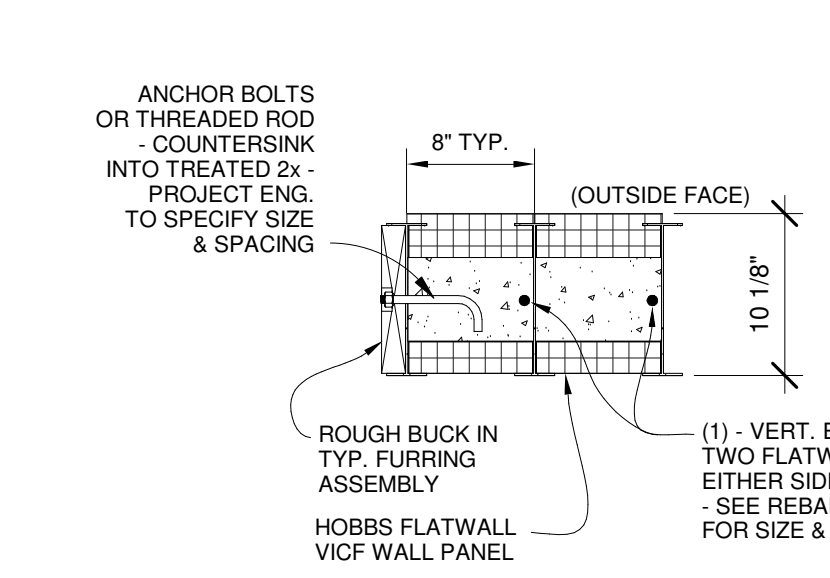
04 LINTEL DETAIL  
1" = 1'-0"



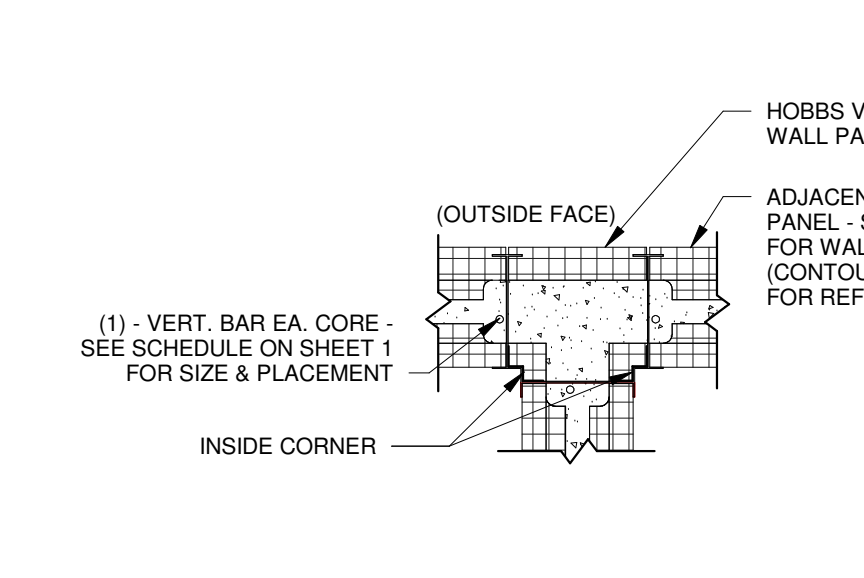
05 OVERHEAD LINTEL BLOCKING  
1" = 1'-0"



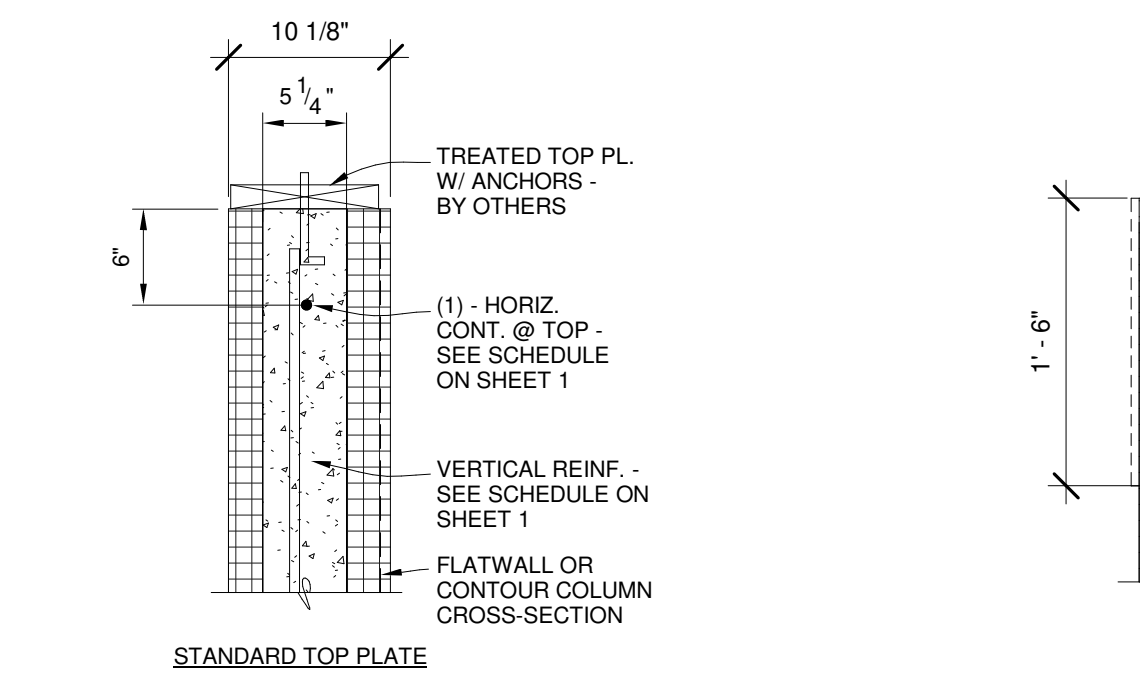
06 OVERHEAD JAMB DETAIL  
1" = 1'-0"



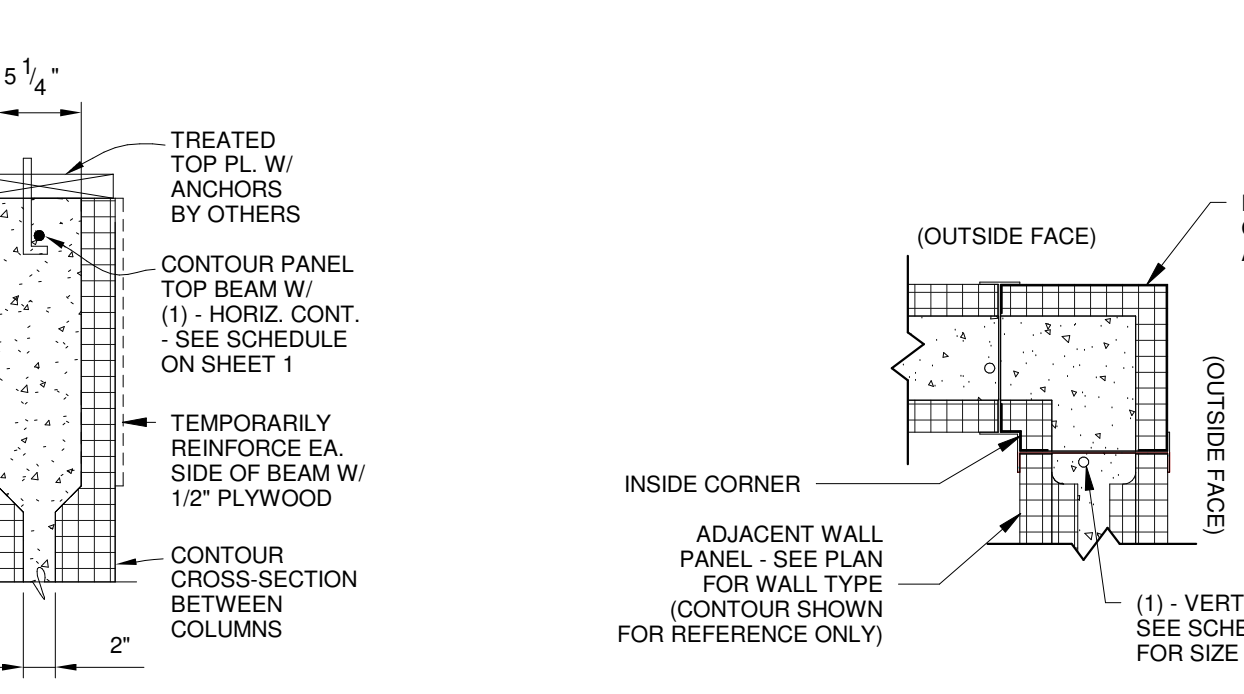
07 JAMB DETAIL  
1" = 1'-0"



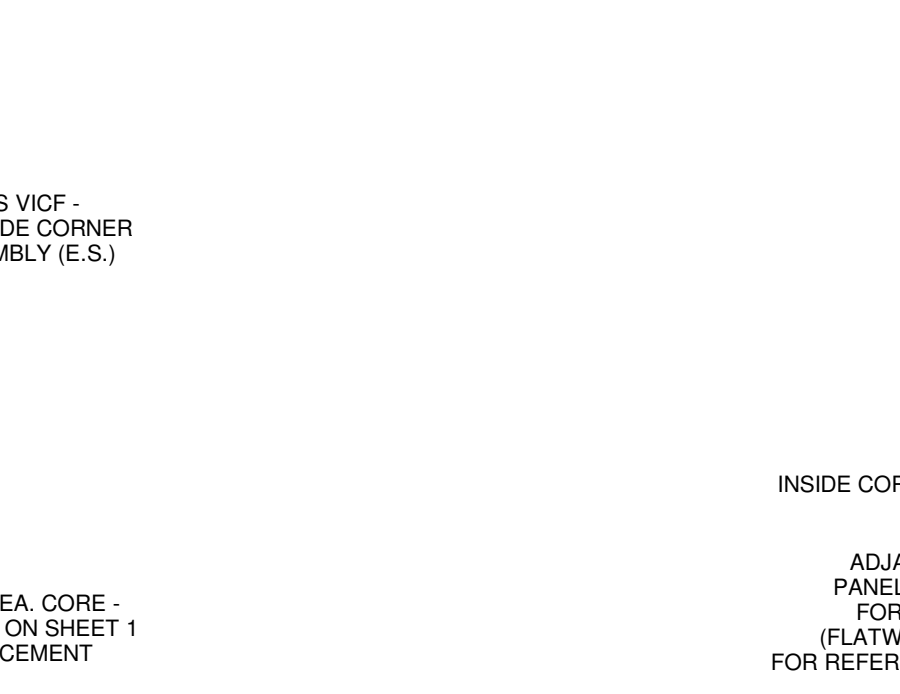
08 TEE WALL - STUCCO READY (S.R.)  
3/4" = 1'-0"



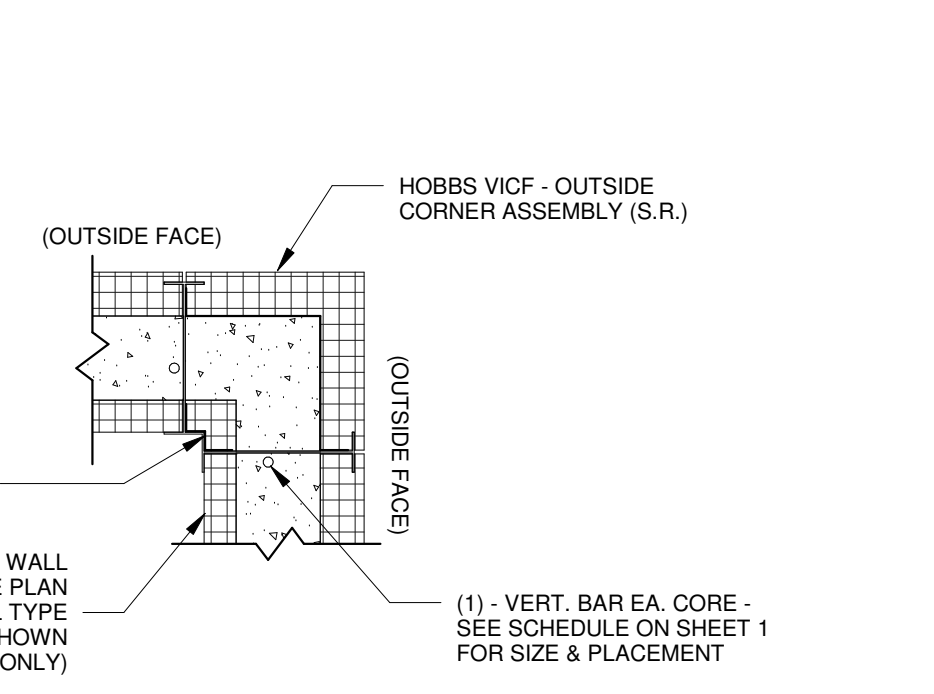
09 TOP OF WALL  
1" = 1'-0"



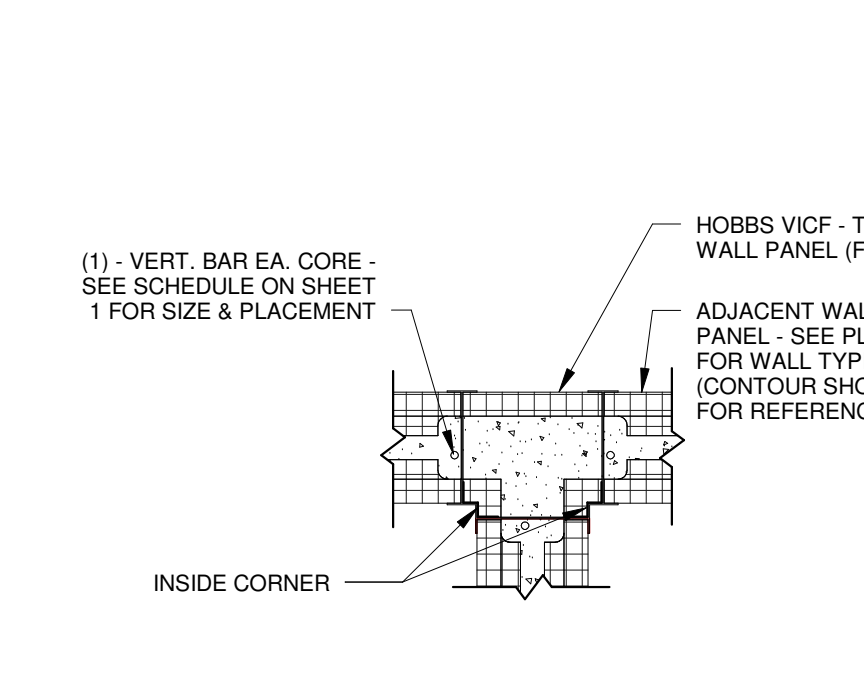
10 TOP OF WALL @ CONTOUR WALL  
1" = 1'-0"



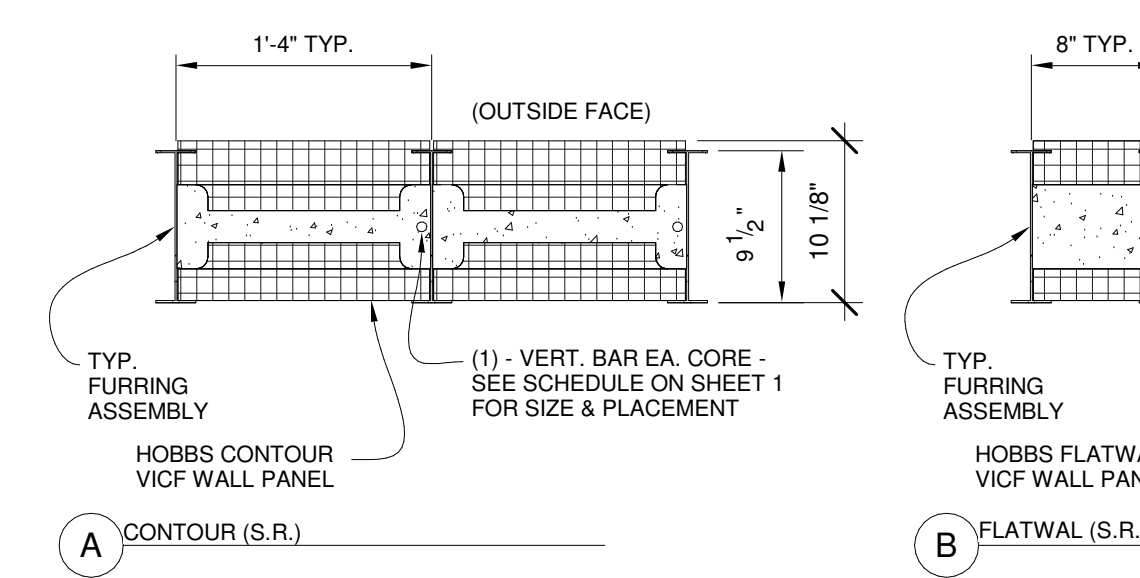
11 CORNER - EXPOSED STUD (E.S.)  
1" = 1'-0"



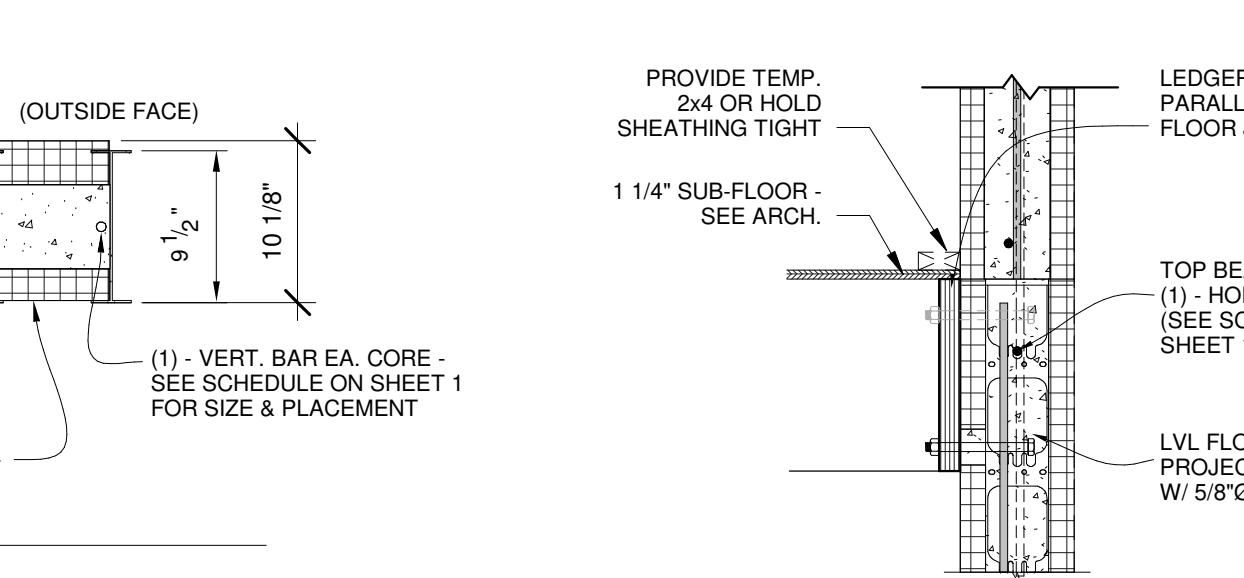
12 CORNER - STUCCO READY (S.R.)  
1" = 1'-0"



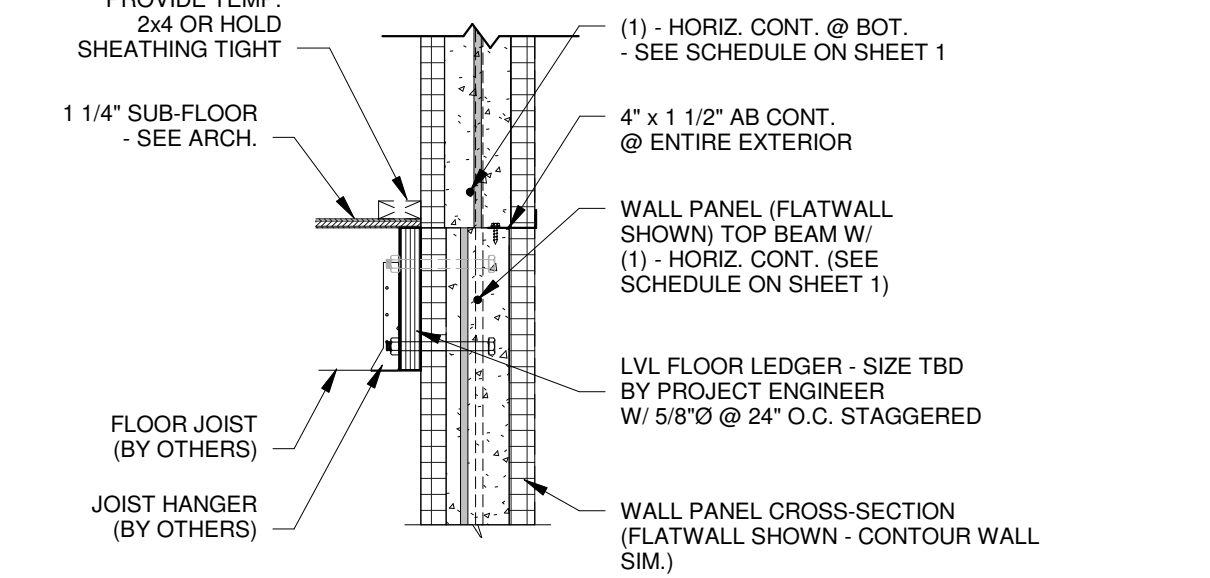
13 TEE WALL - EXPOSED STUD (E.S.)  
3/4" = 1'-0"



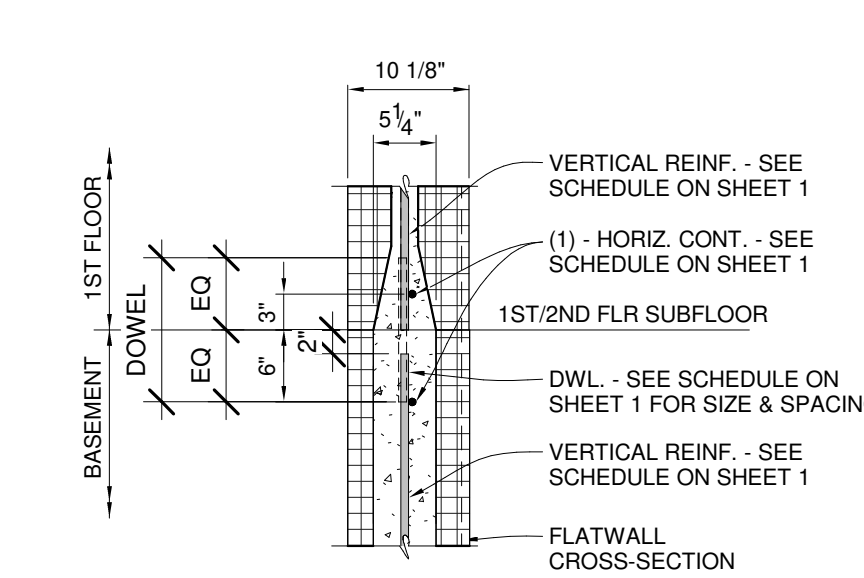
14 PLAN DETAILS  
1" = 1'-0"



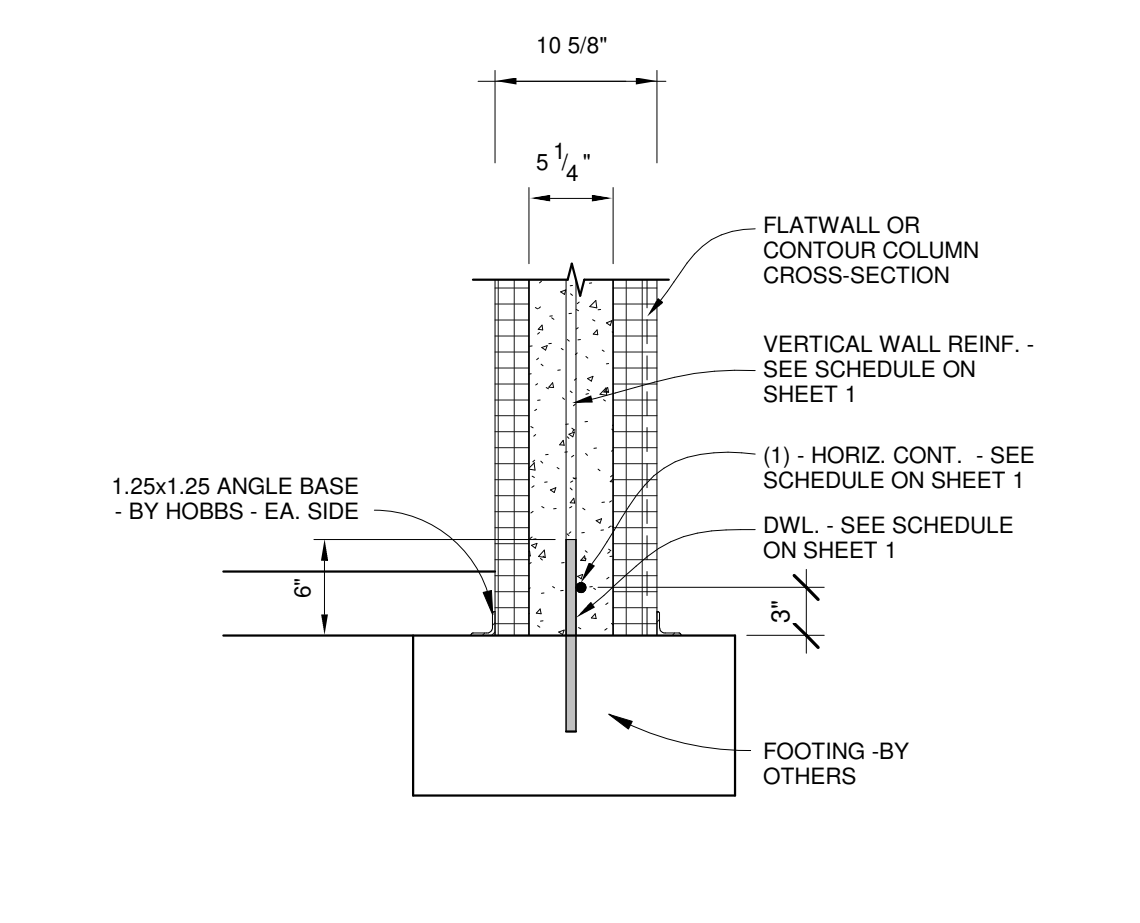
15 LEDGER BEAM  
3/4" = 1'-0"



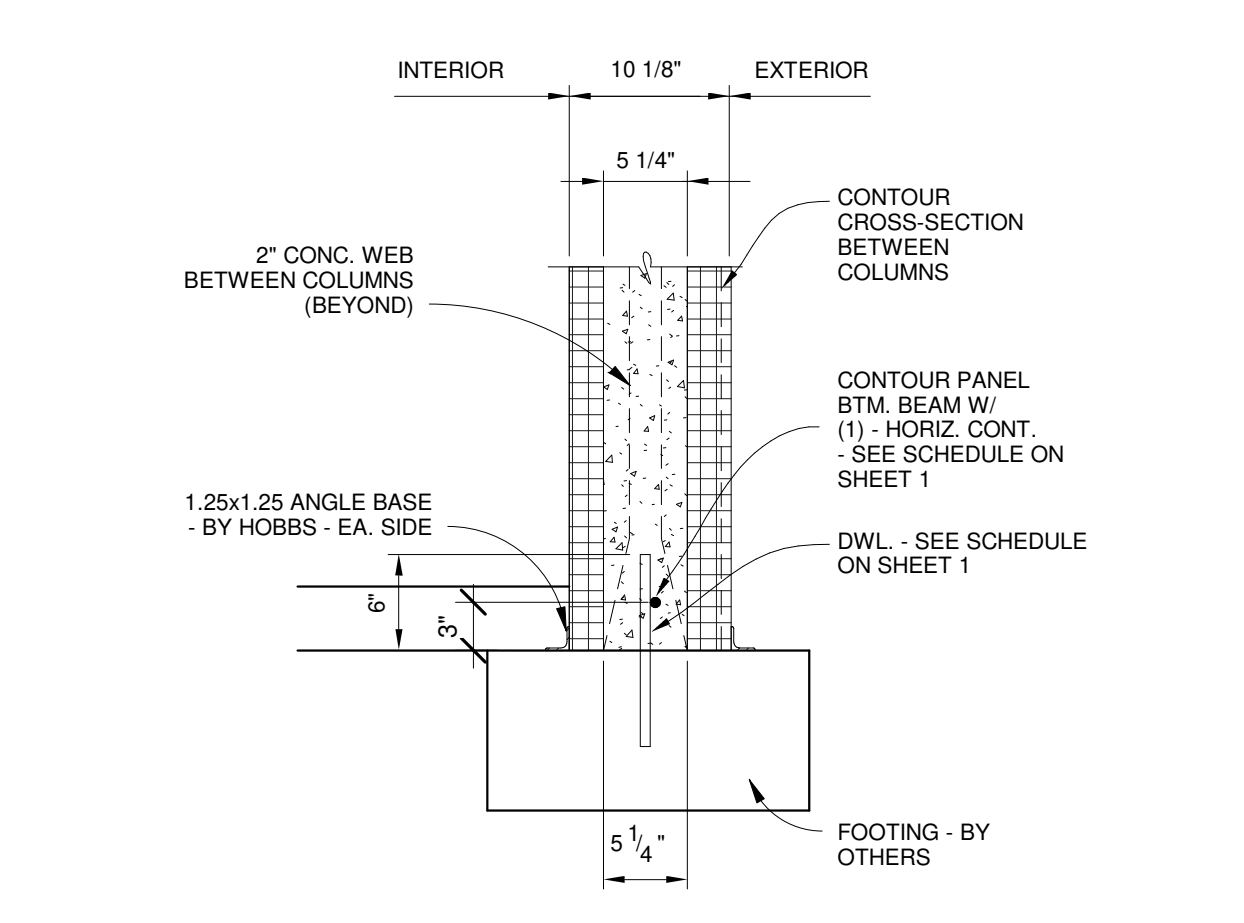
16 JOIST HANGER  
3/4" = 1'-0"



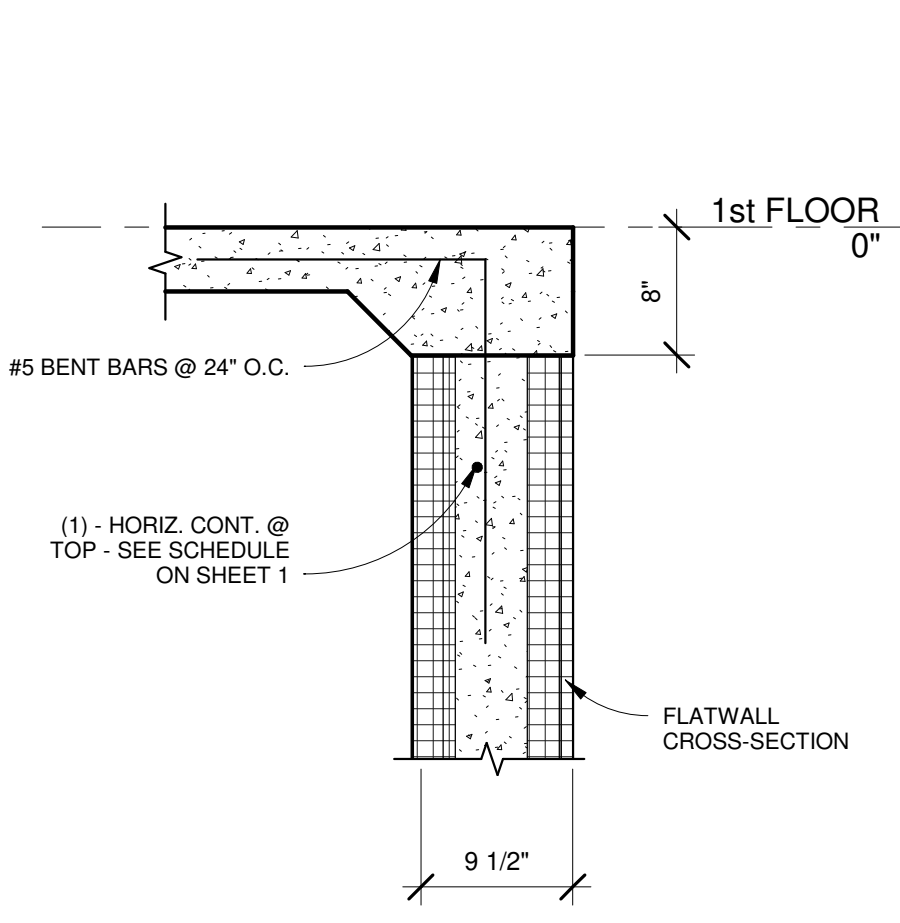
17 WALL CONN - CENTERED VERT - CW  
3/4" = 1'-0"



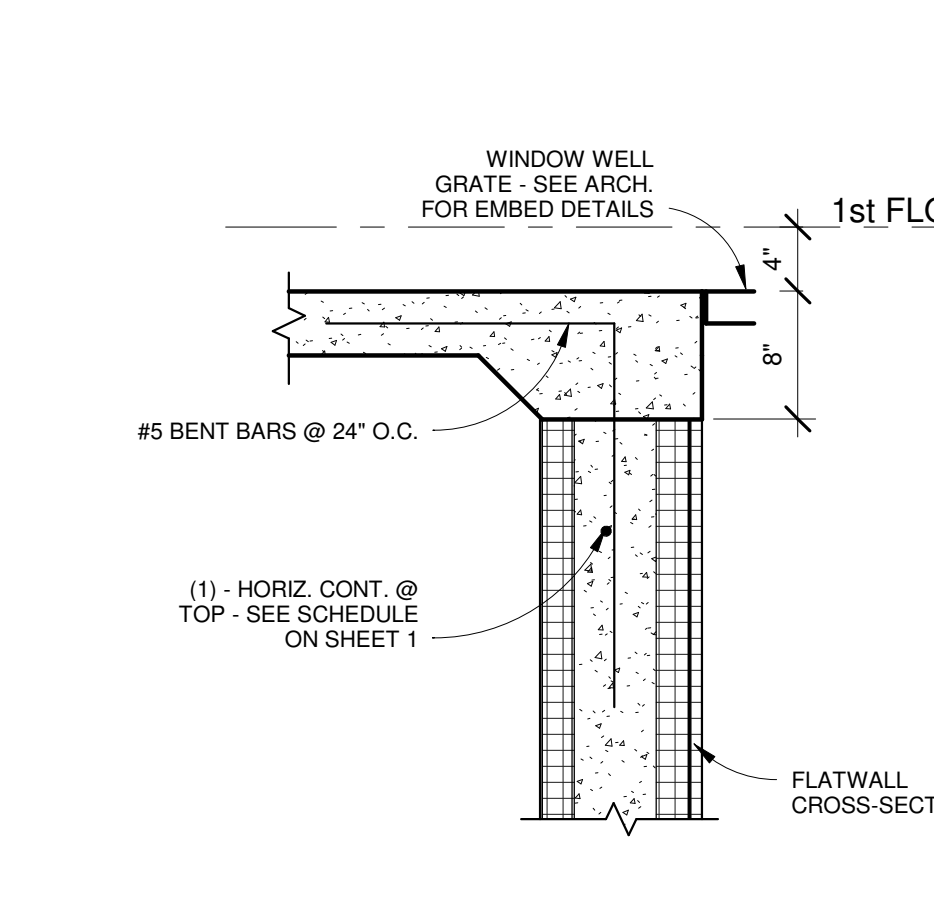
18 BOTTOM OF FLATWALL @ SLAB  
1" = 1'-0"



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



20 STAIR WELL DETAIL  
1" = 1'-0"



21 WINDOW WELL DETAIL  
1" = 1'-0"