

DESIGN SPECIFICATIONS

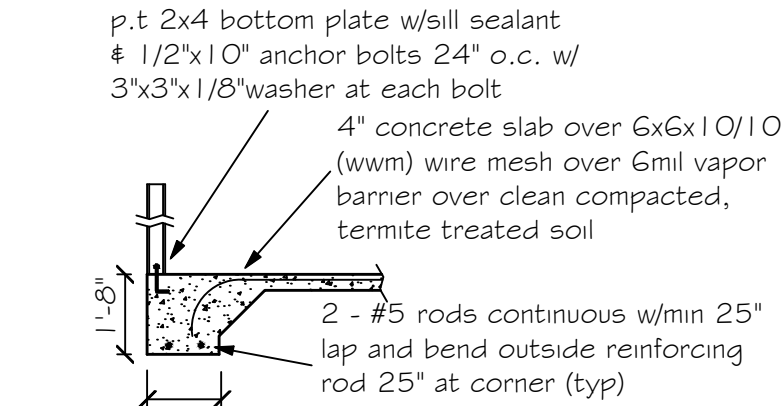
- DESIGN CODES:
2023 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL
- OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY DWELLINGS)
- DESIGN LOADS:
ROOF CONVENTIONAL FRAMING:
LL 20 PSF RAFTERS
LL 20 PSF CEILING JOISTS
DL 10 PSF RAFTERS
DL 10 PSF CEILING JOISTS
DL 30 PSF ATTICS WITH STORAGE
DL 10 PSF ATTICS W/O STORAGE
FLOORS:
LL 40 PSF TOP CHORD
LL 0 PSF BOTTOM CHORD
DL 10 PSF TOP CHORD
DL 5 PSF BOTTOM CHORD
- NUMBER OF STORIES: 1
- TYPE OF CONSTRUCTION: TYPE V-G, UNPROTECTED, UNSPRINKLERED
- WIND ZONE INFORMATION
BUILDING: ENCLOSED STRUCTURE
ULTIMATE DESIGN WIND SPEED: 130 MPH
NOMINAL DESIGN WIND SPEED: 110 MPH
BUILDING RISK CATEGORY: II
WIND EXPOSURE CATEGORY: C
INTERNAL PRESSURE COEFFICIENT: 0.18 CGp1 ±

FOUNDATION NOTES

- REFER TO ARCHITECTURAL & BUILDING PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC.
- CONTRACTOR SHALL VERIFY ALL ROUGH PLUMBING LOCATIONS WITH OWNER PRIOR TO POURING SLAB
- THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED W/ 6X6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS 1 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER W/ 6" LAPS SEALED W/ POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL
- BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 6" BELOW UNDISTURBED SOIL OR ENGINEERED FILL

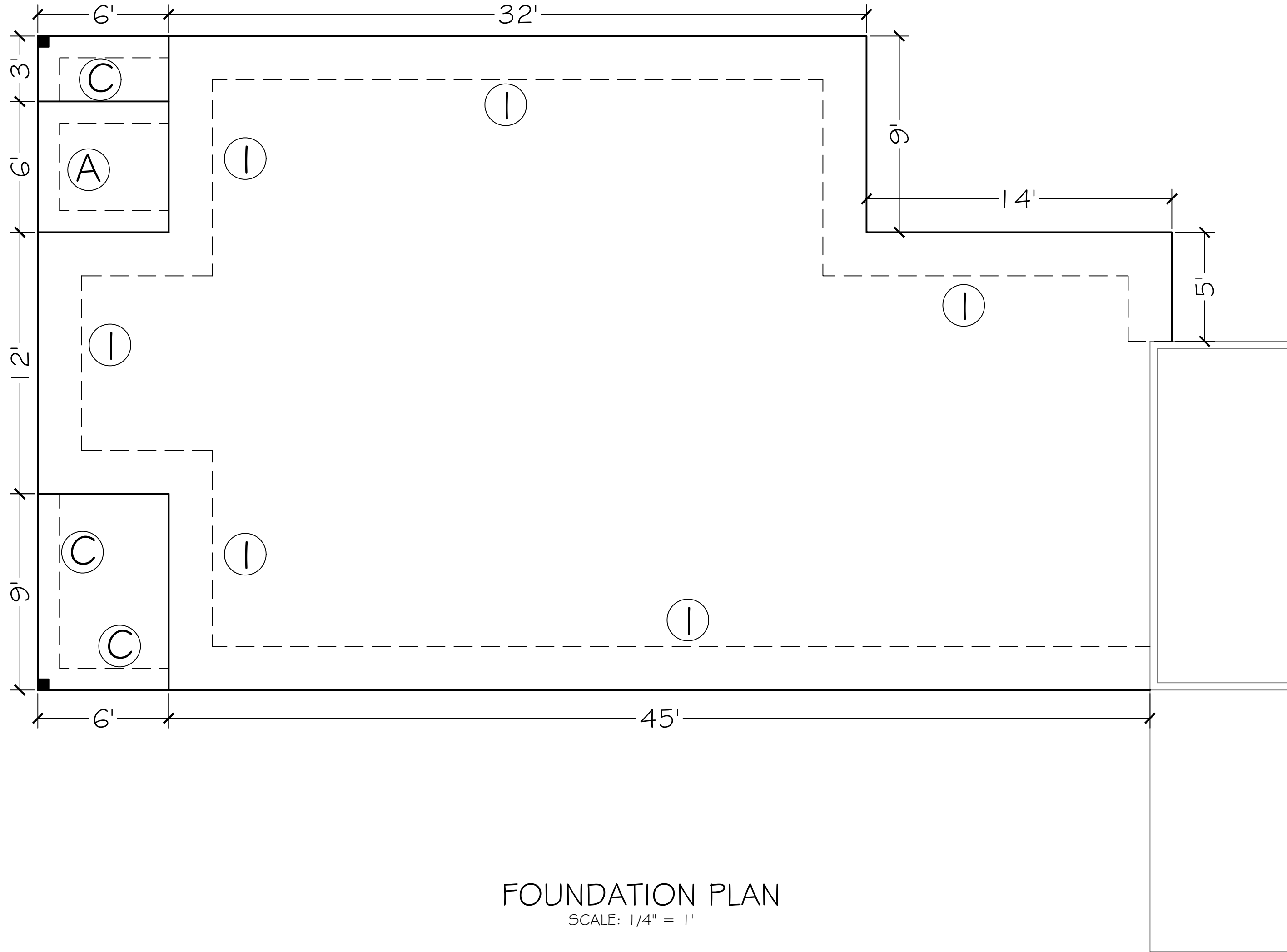
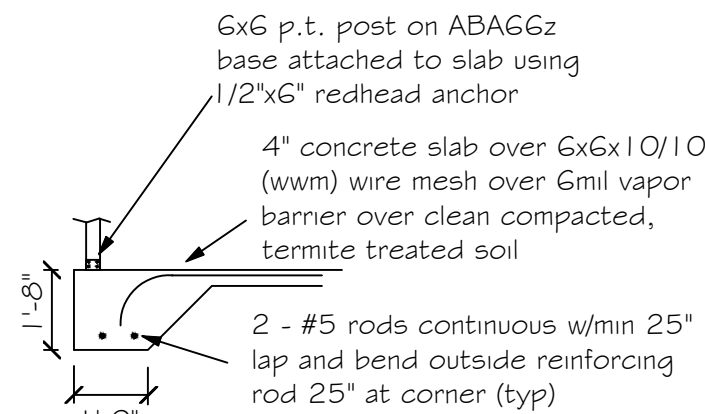
NOTES:

- SOIL UNDER FOOTING SHALL BE COMPRESSED TO 2000 PSF AT 95% DENSITY. CONCRETE STRENGTH SHALL BE 2500 PSI.
- WALL CONCRETE: 3000 PSI, 6- 1/2" SLUMP & 3/8" AGGREGATE

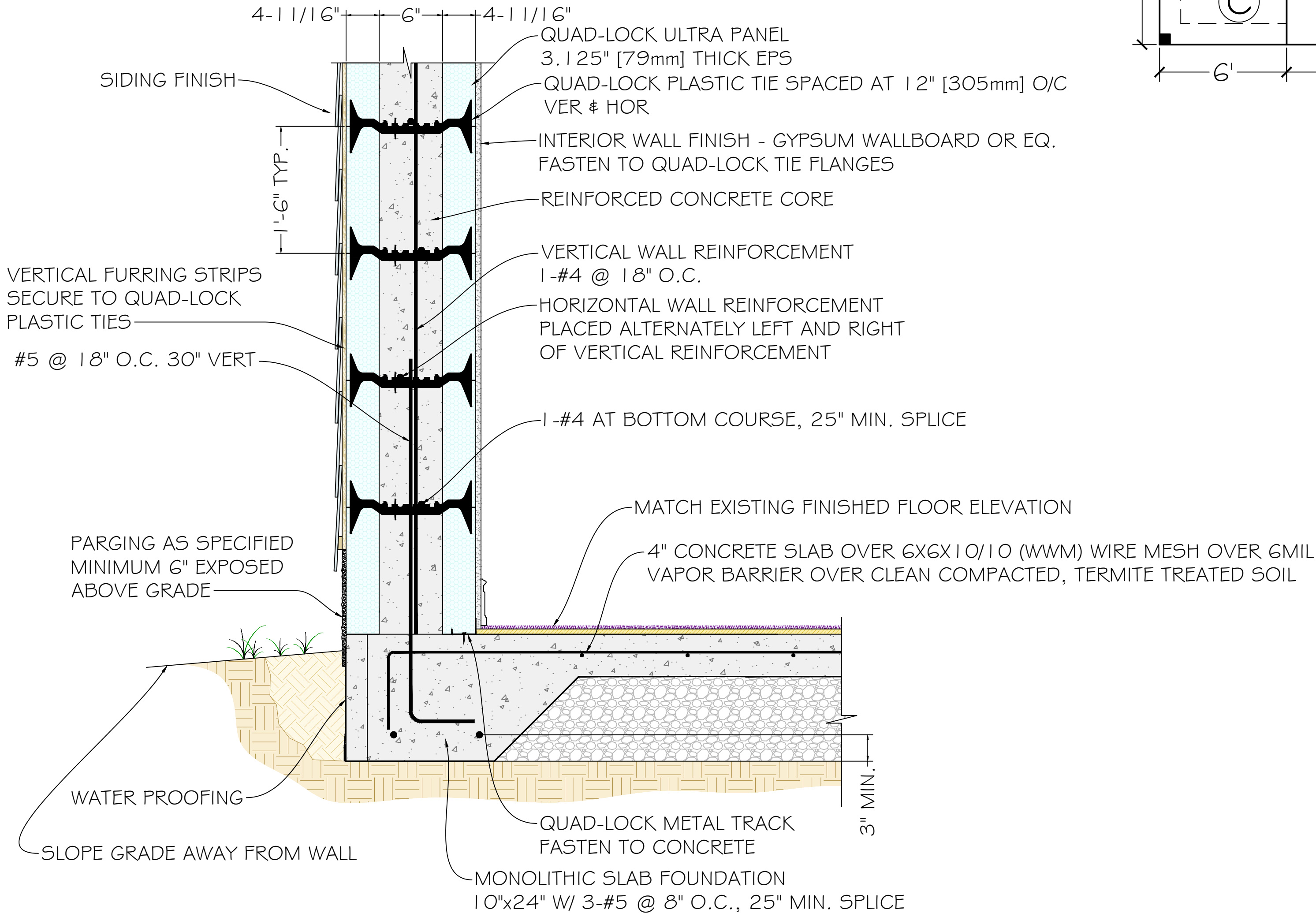


NOTE:

- POST SADDLE MAY BE USED IN LIEU OF ABAGGz

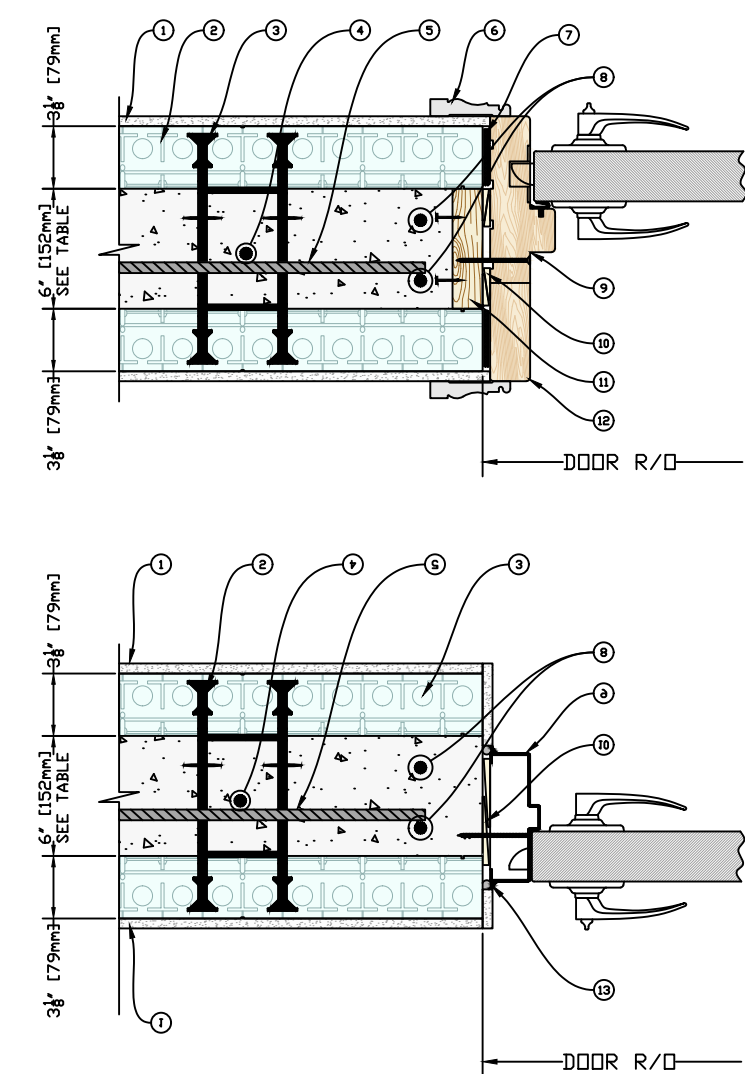


FOUNDATION PLAN
SCALE: 1/4" = 1'

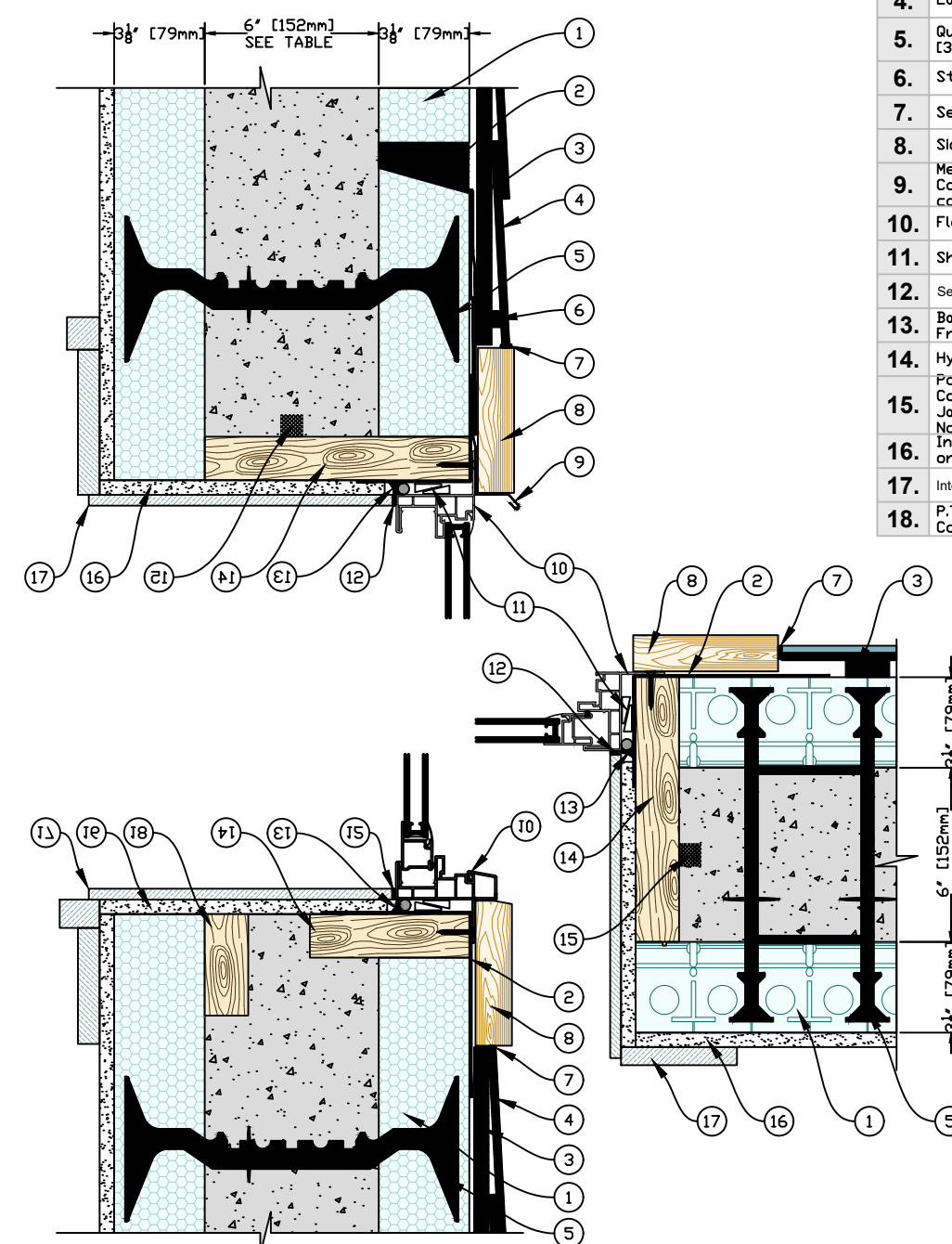


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Carol Chadwick
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CAROL CHADWICK, P.E. Professional Engineer No. 12588 Ex. 12588 FLORIDA DATE OF EXPIRATION: 12/31/2026	
REVIEWED FOR TIM HARVEY 603.726.6050	
HARVEY ADDITION FOUNDATION PLAN 1101 SW HIGH FIELD TERRACE, LAKE CITY, FL	
DATE: 05/05/2024	REVISION: 01

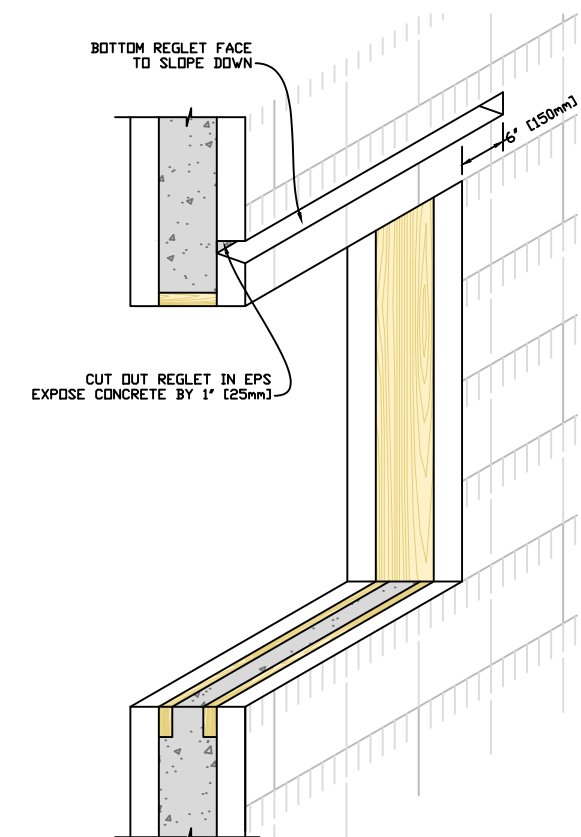
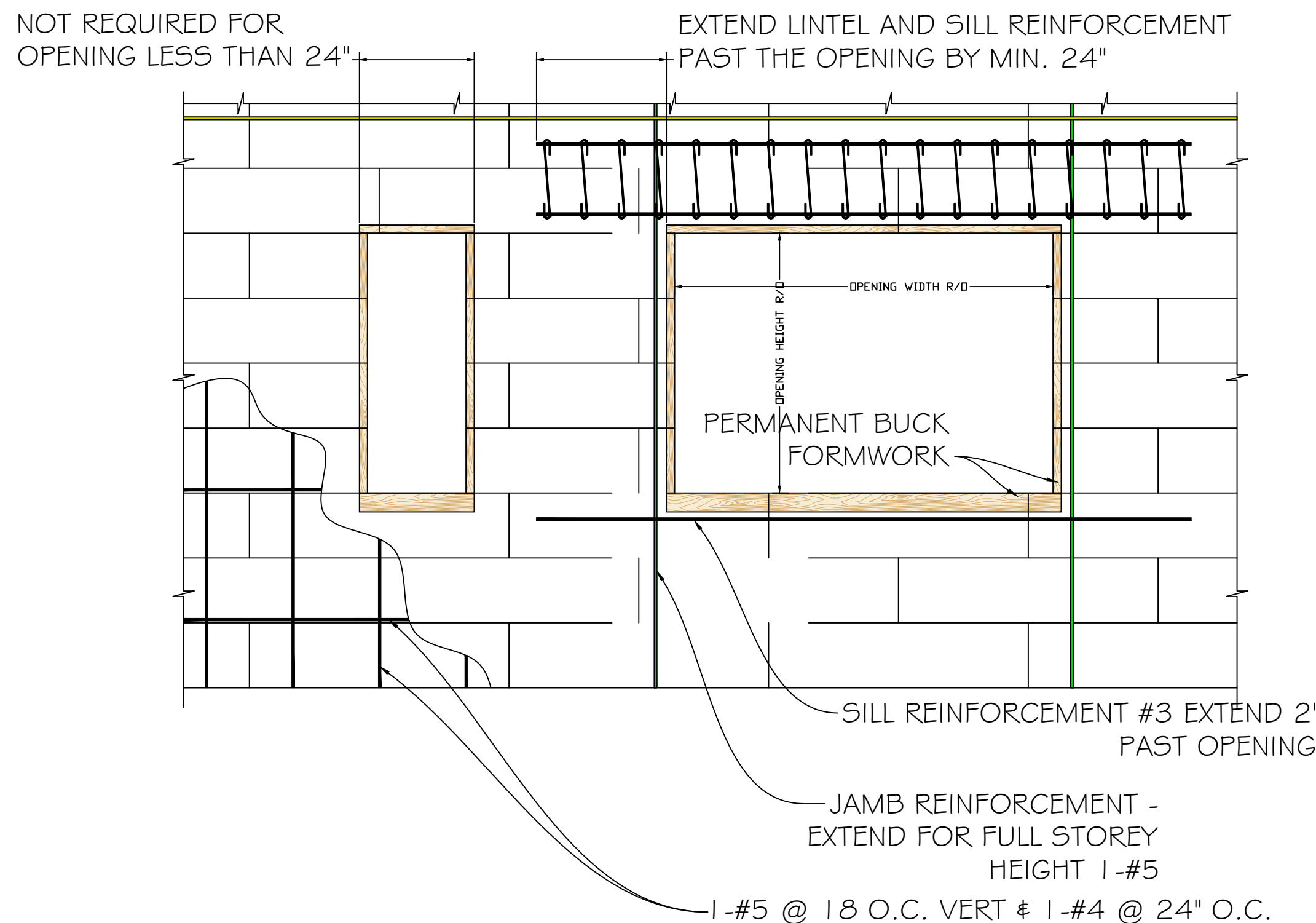
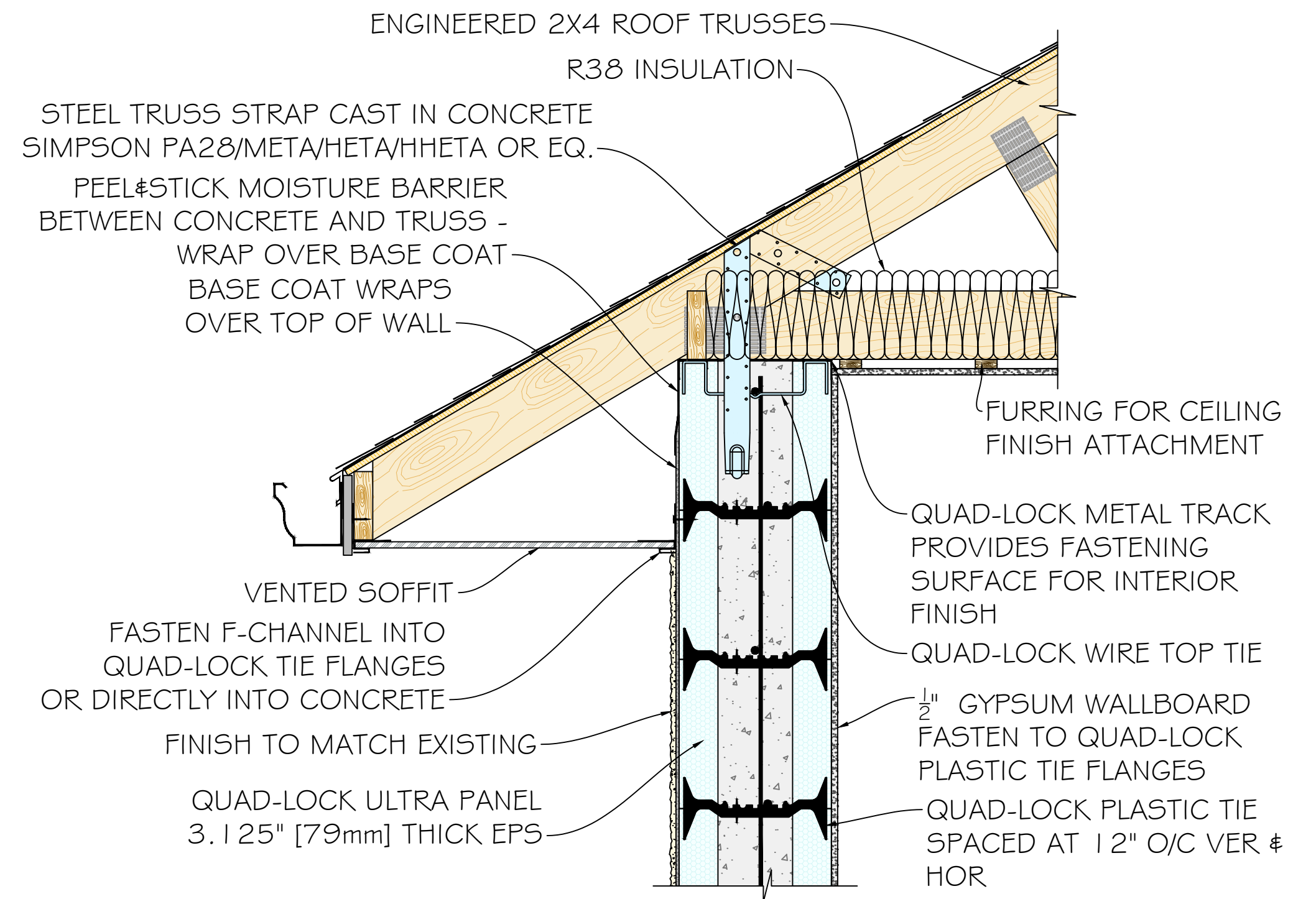


1. INTERIOR WALL FINISH - FASTEN TO PLASTIC THE FLANGES.
2. QUAD-LOCK PLASTIC THE (YELLOW SHOWN) SPACED AT 12" (305mm) O/C VEB & HOR
3. QUAD-LOCK ULTRA PLANK 3/16" (79mm) THICK EPS
4. VERTICAL WALL REINFORCEMENT 1-#5 @ 18" OC.
5. HORIZONTAL WALL REINFORCEMENT 1-#4 @ 24" OC.
6. DOOR TRIM
7. SELF EXPANDING SEAL TAPE
8. JAMB REINFORCEMENT AS SPECIFIED
9. DOOR JAMB
10. SHIMS
11. PRESSURE TREATED - FASTENAL, WOOD BUCK WITH NAILS OR LAG BOLTS FOR SHEAR RESISTANCE
12. JAMB EXTENSION
13. BACKER ROD AND CAULKING

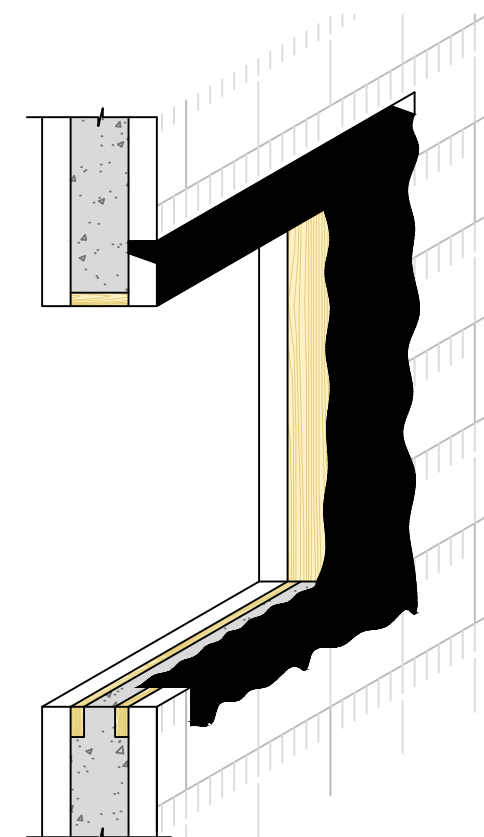


1. Quad-Lock Ultra Pure - 3185" (79mm) SMC Membrane - SAM Sealed to concrete
2. Fine oil contact surfaces with water-tight primer
3. RPP or HDPE Flashed to Water-Stop
4. Lapped Sliding - Fasten to Turning
5. Quad-Lock Tie (Ultra Pure) 8" 12"
130SMD D/C Vert & Hor
6. Starter Strip
7. Sealant
8. Sliding Trim
9. Metal Flashing with SAM
Center/Flashing on top sealed to concrete
10. Flanged Window Frame
11. Shims
12. Backer Rod Interior Window Trim
13. Backer Rod and Sealant - Between
Frame & SAM
14. Hybrid Buck - Pressure Treated XPS
with 1/2" Thick Titaniums vs.
Concrete Floor + Quad Lock Omega
& Joints - No Need for Internal Buck
No Need With Fresh Gypsum Wallboard
or eq.)
15. Interior Windows
16. Inter. Vinyl Buck with Space For
Door Floor

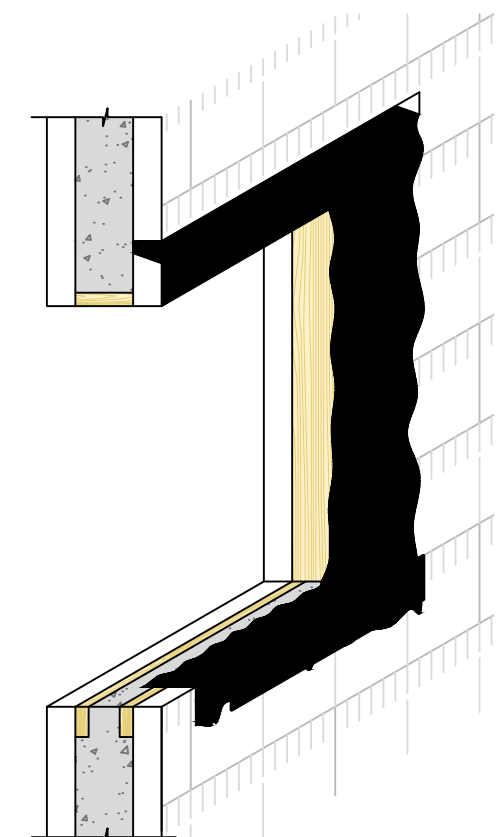
QUAD-LOCK R-28 [U-0.21] WALL		
TIE NAME		CONCRETE CORE THICKNESS
BLUE TIE	=	4" (102mm)
YELLOW TIE	=	6" (152mm)
GREEN TIE	=	8" (203mm)
RED TIE	=	10" (254mm)
BROWN TIE	=	12" (305mm)
BLACK TIE + XT	=	14" (356mm)
		ETC.



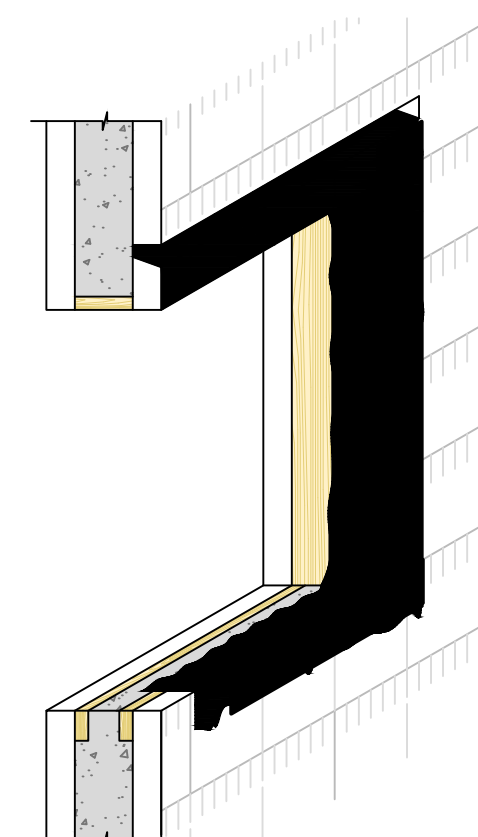
STEP 1
CUT 1" - 2" [25MM TO 50MM] TALL REGLET BACK TO CONCRETE
EXTEND REGLET BEYOND WINDOW BY MIN. 6" [150mm]



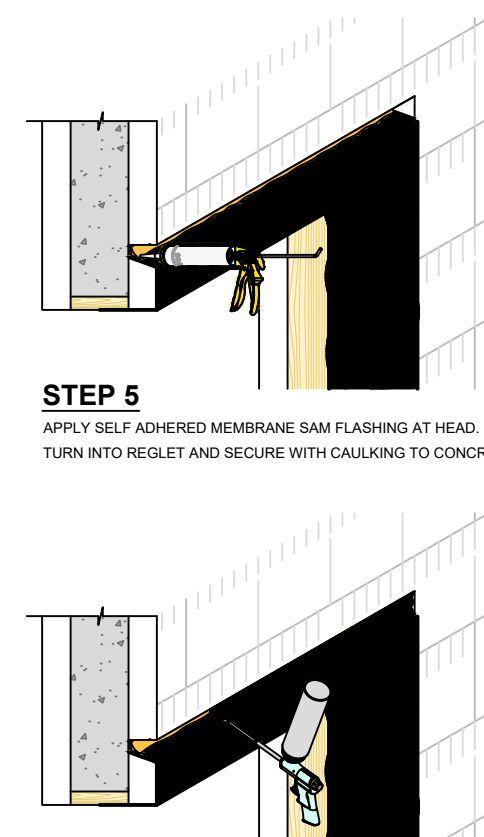
STEP 2



STEP 3
APPLY SELF ADHERED MEMBRANE "SAM" FLASHING AT SILL.
EXTEND MIN. 6" (150mm) ONTO WALL AND AS REQUIRED ONTO SILL.



STEP 4
APPLY SAM FLASHING AT JAMB.
EXTEND MIN. 6" [150mm] ONTO WALL AND AS REQUIRED ONTO SILL.



STEP 6

IMPORTANT NOTES:

1. HYBRID AND EXTERNAL WOOD BUCKS MUST HAVE POLY-URETHANE TAPE INSTALLED ON CONCRETE FACE OF WOOD BUCK (HEAD AND JAMBS) PRIOR TO POUR. THE TAPE IS NOT REQUIRED FOR INTERNAL BUCKS WHICH IS SHOWN IN 5 STEPS ON THIS PAGE.
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2. SAM FLASHING (CAULKED TO CONCRETE AT REGLET) IS REQUIRED FOR ALL 3 TYPES OF BUCKS SHOWN ABOVE. PRIME ALL SURFACES (WOOD, EPS & CONCRETE) WITH WATER BASED PRIMER PRIOR TO APPLYING THE SAM.
3. IF WINDOW/DOOR FRAME IS CAULKED DIRECTLY TO PRIMED CONCRETE SURFACE, SAM FLASHING CAN BE OMITTED.
4. WINDOW/DOOR FRAMES MUST BE CAULKED (WITH BAKER RODS) DIRECTLY TO PRIMED CONCRETE OR TO SAM FLASHING.
5. FLANGED WINDOWS TO HAVE ONE ADDITIONAL SAM LAYER AT HEAD OVER THE FLANGE - CAULKED TO CONCRETE.



Digitally signed by Carol Chadwick
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This item has been digitally signed and sealed by Carol Chadeck, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

