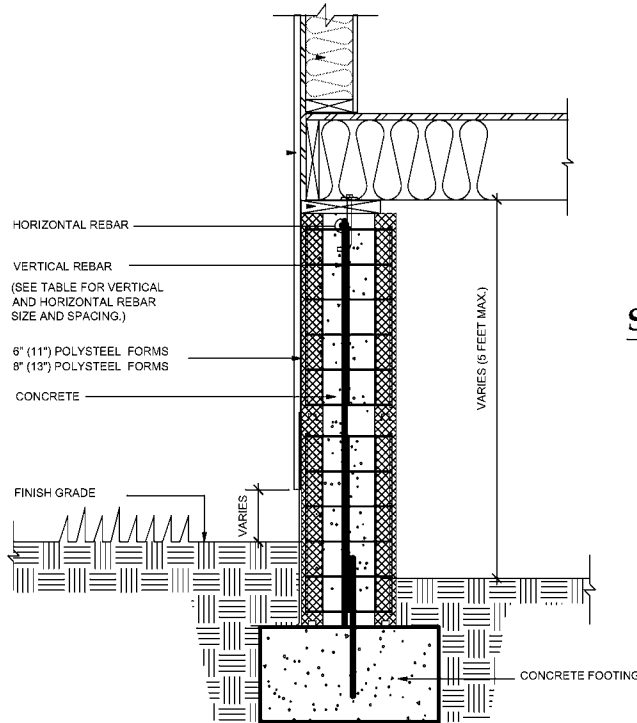
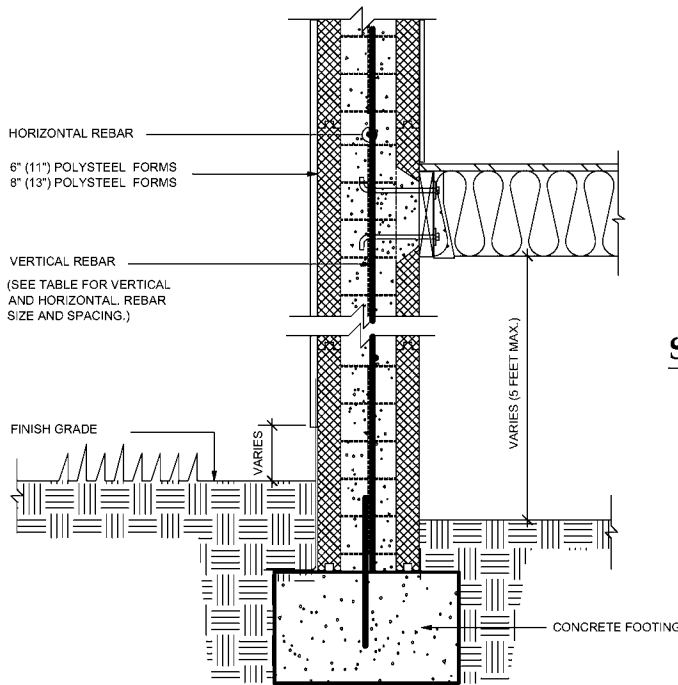


TABLE C-4000-1

MINIMUM VERTICAL WALL REINFORCEMENT FOR CRAWLSPACE WALLS



**CRAWLSPACE WALL
SUPPORTING FRAME WALL
ABOVE**



**CRAWLSPACE WALL
SUPPORTING POLYSTEEL
WALL ABOVE**

TABLE C-4000-1
MINIMUM VERTICAL WALL REINFORCEMENT FOR
POLYSTEEL® PS-4000 FLAT WALL FORMS
CRAWLSPACE WALLS

VERTICAL REBAR REQUIREMENTS *

Form Type	Wall Thickness (inches)	Backfill Equivalent Fluid Density		
		30 pcf	45 pcf	60 pcf
PS-4600	6"	#3@24"; #4@48	#3@24"; #4@48	#3@24"; #4@48
PS-4800	8"	N/R	N/R	N/R

*** Minimum Rebar Requirements:**

- If the crawlspace wall is supporting a frame wall above and **NOT** supporting an above grade PolySteel wall in Seismic Design Category A, B, C, D1, and D2 areas: Vertical rebar size and spacing per table above. Minimum horizontal rebar is #4 @ 48" o.c.
- If the crawlspace wall **IS** supporting an above grade PolySteel wall in Seismic Design Category A, B, and C areas: Vertical rebar size and spacing per table above. Minimum horizontal rebar is #4 @ 48" o.c.
- If the crawlspace wall **IS** supporting an above grade PolySteel wall in Seismic Design Category D1 and D2 areas: Maximum spacing of vertical rebar is 18" o.c. Minimum vertical rebar is #4 @ 12" o.c., #5 @ 18" o.c., or table above if more restrictive. Vertical rebar size and spacing shall match the above grade wall reinforcement if more restrictive. Minimum horizontal rebar is #5 @ 24" o.c. (See note #2 below.)

NOTES:

1. This table is based on the design criteria of ACI 318-02 "Building Code Requirements for Structural Concrete"
2. The reinforcement requirements listed in this table are based on Grade 40 (ASTM A 615 or ASTM A 996) rebar and 2,500 psi concrete. Crawlspace walls in Seismic Design Category D1 and D2 areas may use the above table for designs to resist lateral soil pressure but must specify Grade 60 (ASTM A 706 for low-alloy steel) rebar and 3,000 psi for construction.
3. This table assumes the vertical rebar is placed in the center of the PolySteel wall.
4. **N/R indicates no reinforcement is required.**
5. This table is applicable only to crawlspace walls 5 feet or less in height with a maximum unbalanced backfill height of 4 feet.
6. Crawlspace walls shall be laterally supported at the top before backfilling.
7. Backfill should be well drained.
8. Refer to the PolySteel® Installation Manual for proper crawlspace drainage and waterproofing systems.