

**TABLE C-3000-1**  
**MINIMUM VERTICAL WALL REINFORCEMENT FOR**  
**POLYSTEEL® PS•3000 WAFFLE GRID**  
**CRAWLSPACE WALLS<sup>1, 2, 3, 4, 5, 6, 7, 8</sup>**

FORM TYPE	WALL THICKNESS <sup>7</sup> (inches)	MINIMUM VERTICAL REINFORCEMENT		
		MAXIMUM EQUIVALENT FLUID DENSITY 30 pcf	MAXIMUM EQUIVALENT FLUID DENSITY 45 pcf	MAXIMUM EQUIVALENT FLUID DENSITY 60 pcf
PS•3600	6	#3@24" #4@48"	#4@48" #3@12"	#3@24" #4@24" #5@36"
PS•3800	8	N/R	N/R	N/R
PS•3100	10	N/R	N/R	N/R

For SI: 1 foot = 0.3048 m; 1 inch = 25.4 mm; 1 pcf = 16.0179 kg/m<sup>3</sup>

<sup>1</sup>Table values are based on reinforcing bars with a minimum yield strength of 40,000 psi (276 MPa) and concrete with a minimum specified compressive strength of 2,500 psi (17.2 MPa).

<sup>2</sup>N/R indicates no vertical wall reinforcement is required.

<sup>3</sup>Spacing of rebar shall be permitted to be multiplied by 1.5 when reinforcing steel with a minimum yield strength of 60,000 psi (414 MPa) is used. Reinforcement, when required, shall not be less than one #4 bar at 48 inches (1.2 m) on center.

<sup>4</sup>Applicable only to crawlspace walls 5 feet (1.5 m) or less in height with a maximum unbalanced backfill height of 4 feet (1.2 m).

<sup>5</sup>Interpolation shall not be permitted.

<sup>6</sup>Walls shall be laterally supported at the top before backfilling.

<sup>7</sup>Nominal concrete thickness is shown.

<sup>8</sup>Minimum horizontal wall reinforcement shall be provided when vertical wall reinforcement is required. Use a minimum of one continuous #4 bar placed at 48 inches on center with one bar located within 12 inches of the top of the wall story. Horizontal reinforcement shall be continuous around building corners using corner bars or by bending the bars. In either case, the minimum lap splice shall be 40 bar diameters. For townhouses in Seismic Design Category C, the minimum horizontal reinforcement shall be one #5 bar at 24 inches on center or one #4 bar at 16 inches on center. For all buildings in Seismic Design Categories D1 and D2, the minimum horizontal reinforcement shall be one #5 bar at 18 inches on center or one #4 bar at 12 inches on center.