

TABLE A-4000-1

Minimum Concrete Footing Sizes for Residential PS-4000 PolySteel Walls Applicability Limits

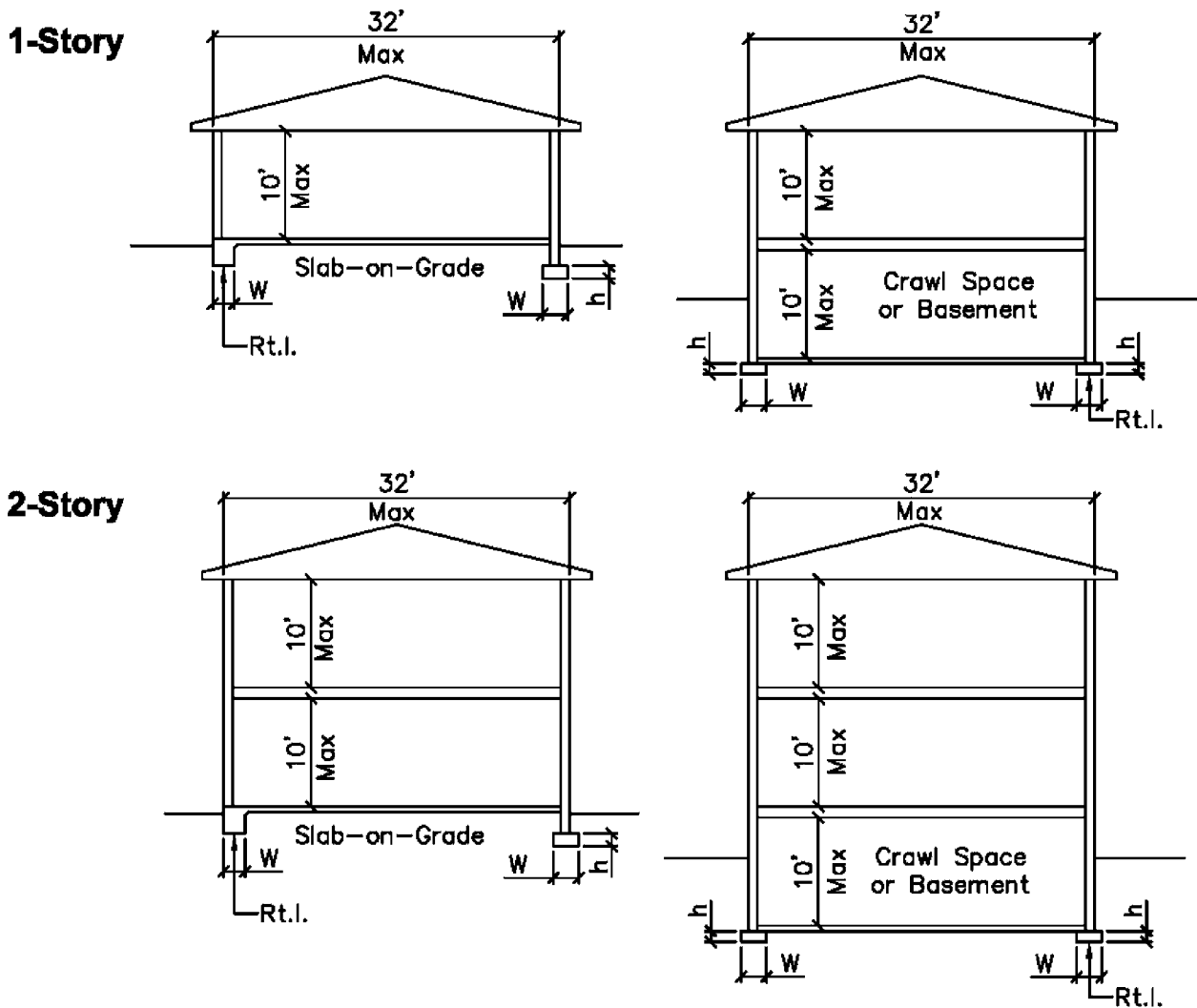


TABLE A-4000-1

Minimum Concrete Footing Sizes for Residential PS-4000 PolySteel Walls Slab-on-Grade

Minimum Concrete Footing Sizes for Residential PS-4000 Series PolySteel Walls						
Wall Form Size	Reaction	Load Bearing Value of Soil (psf)				
	Rt.l. (plf)	1,000	1,500	2,000	2,500	3,000
1 Story						
6" PS-4600	1,790	w = 22" h = 8"	w = 15" h = 8"	w = 15" h = 8"	w = 15" h = 8"	w = 15" h = 8"
8" PS-4800	1,990	w = 24" h = 8"	w = 18" h = 8"	w = 18" h = 8"	w = 18" h = 8"	w = 18" h = 8"
2 Story						
6" PS-4600	3,550	w = 43" h = 13"	w = 29" h = 11"	w = 22" h = 10"	w = 17" h = 9"	w = 15" h = 9"
8" PS-4800	3,970	w = 48" h = 14"	w = 32" h = 12"	w = 24" h = 11"	w = 19" h = 10"	w = 18" h = 10"

Crawl Space or Basement

Minimum Concrete Footing Sizes for Residential PS-4000 Series PolySteel Walls						
Wall Form Size	Reaction	Load Bearing Value of Soil (psf)				
	Rt.l. (plf)	1,000	1,500	2,000	2,500	3,000
1 Story						
6" PS-4600	3,550	w = 43" h = 13"	w = 29" h = 11"	w = 22" h = 10"	w = 17" h = 9"	w = 15" h = 9"
8" PS-4800	3,970	w = 48" h = 14"	w = 32" h = 12"	w = 24" h = 11"	w = 19" h = 10"	w = 18" h = 10"
2 Story						
6" PS-4600	5,310	w = 64" h = 18"	w = 43" h = 15"	w = 32" h = 13"	w = 26" h = 12"	w = 22" h = 11"
8" PS-4800	5,950	w = 72" h = 20"	w = 48" h = 17"	w = 36" h = 15"	w = 28" h = 13"	w = 24" h = 12"

NOTES:

1. Soil load bearing value is specified by local building codes or determined by a soils or geotechnical engineer.
2. w = width of footing, h = height or thickness of footing
3. Minimum concrete compressive strength is 2,500 psi at 28 days.
4. R t.l. = Reaction (total load) - maximum force applied to top of footing.
5. Consult an engineer for soil conditions and loads not shown in this table.
6. Footing thickness "h" is calculated in accordance with ACI 318-02, Chapter 22 - Structural Plain Concrete (Unreinforced)
7. Footing sizes are applicable for reinforced and unreinforced designs.
8. plf = pounds per lineal foot
9. psf = pounds per square foot
10. Assumptions: Maximum span between bearing walls of 32 feet; Maximum 10 foot ceiling height; Roof Snow Load = 40 psf; Floor Live Load = 40 psf; Roof and Floor Dead Load = 15 psf; Weight of 6" PolySteel Walls = 80 psf; Weight of 8" PolySteel Walls = 100 psf.