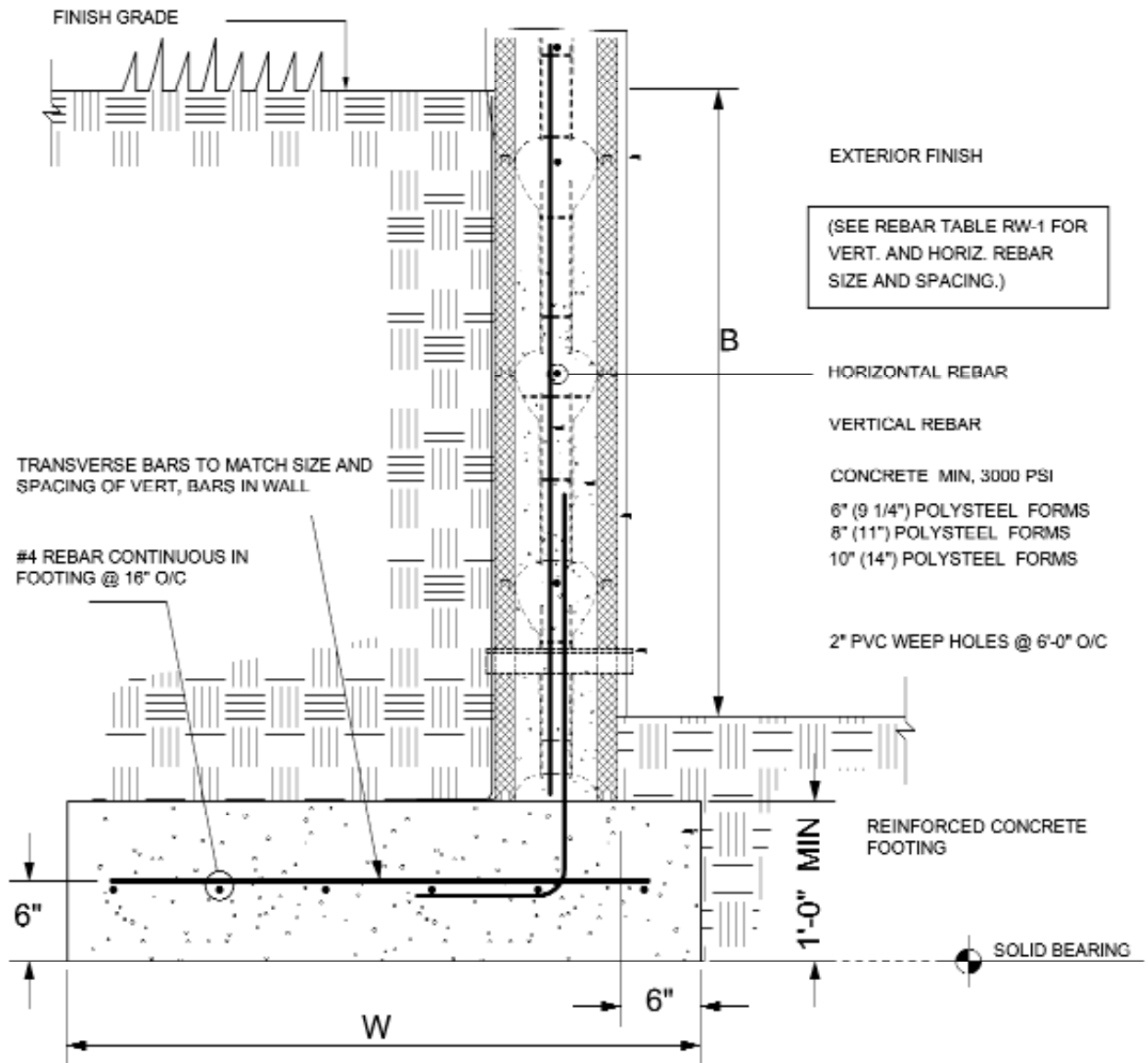


TABLE G-1
6" & 8" POLYSTEEL® RETAINING WALLS REBAR



Retaining Wall Section

TABLE G-1
6" & 8" POLYSTEEL® RETAINING WALLS REBAR

FORM SIZE	Equivalent Fluid Pressure of Soil	Unbalanced Backfill Height (Ft) B	Width of Base (ft) W	Grade 40 Vertical Rebar Req'd	Grade 60 Vertical Rebar Req'd	
6" FORMS	30 lbs/ft ³	4	3.5	#4 @ 24" O.C. (1)	#4 @ 24" O.C. (1)	
		5	4.0	#4 @ 12" O.C.	#5 @ 24" O.C. (2)	
		6	4.5	#5 @ 12" O.C.	#4 @ 12" O.C.	
	40 lbs/ft ³	4	4.5	#5 @ 24" O.C. (2)	#4 @ 24" O.C. (1)	
		5	5.0	#5 @ 12" O.C.	#4 @ 12" O.C.	
		6	6.0	#6 @ 12" O.C.	#5 @ 12" O.C.	
	50 lbs/ft ³	4	5.5	#5 @ 24" O.C. (2)	#4 @ 24" O.C. (1)	
		5	6.5	#5 @ 12" O.C.	#4 @ 12" O.C.	
		6	7.5	#7 @ 12" O.C.	#6 @ 12" O.C.	
	60 lbs/ft ³	4	6.5	#4 @ 12" O.C.	#5 @ 24" O.C. (2)	
		5	7.5	#6 @ 12" O.C."	#5 @ 12" O.C.	
		6	=	Special Design Required	Special Design Required	
8" FORMS	30 lbs/ft ³	4	3.5	#4 @ 24" O.C. (1)	#4 @ 24" O.C. (1)	
		5	4.0	#5 @ 24" O.C. (2)	#4 @ 24" O.C. (1)	
		6	4.5	#4 @ 12" O.C.	#5 @ 24" O.C. (2)	
		7	5.5	#5 @ 12" O.C.	#4 @ 12" O.C.	
	40 lbs/ft ³	4	4.5	#4 @ 24" O.C. (1)	#4 @ 24" O.C. (1)	
		5	5.0	#5 @ 24" O.C. (2)	#4 @ 24" O.C. (1)	
		6	6.0	#5 @ 12" O.C.	#4 @ 12" O.C.	
		7	7.0	#6 @ 12" O.C.	#5 @ 12" O.C.	
	50 lbs/ft ³	4	5.5	#4 @ 24" O.C. (1)	#4 @ 24" O.C. (1)	
		5	6.5	#4 @ 12" O.C.	#5 @ 24" O.C. (2)	
		6	7.5	#6 @ 12" O.C.	#5 @ 12" O.C.	
		7	8.5	#7 @ 12" O.C.	#6 @ 12" O.C.	
	60 lbs/ft ³	4	6.5	#5 @ 24" O.C. (2)	#4 @ 24" O.C. (1)	
		5	7.5	#5 @ 12" O.C.	#4 @ 12" O.C.	
		6	8.5	#6 @ 12" O.C.	#5 @ 12" O.C.	
		7	9.5	#8 @ 12" O.C.	#7 @ 12" O.C.	
			8	=	Special Design Required	Special Design Required

NOTES:

- For seismic zones 3 & 4, Vertical rebar must be #3 @ 12" O.C. (rather than #4 @ 24" O.C.)
- For seismic zones 3 & 4, Vertical rebar must be #4 @ 12" O.C. (rather than #5 @ 24" O.C.)
- Horizontal rebar requirements are #4 horizontally at 48" O.C. in seismic zones 0,1,2A & 2B.
Requirements are #3 horizontally at 16" O.C. in Zones 3 & 4.
- Table assumes rebar is placed in the center of the retaining wall.
- See page 190 for other details.
- Other Assumptions
 - 3000 psi concrete (min)
 - Soil density = 110 pcf
 - Soil bearing capacity = 2000 psf
 - Sliding coefficient = 0.35
 - Sliding Safety Factor = 1.5
 - Overturning Safety Factor = 2.0
 - Footing thickness = 12 inches (minimum)
 - "Toe" dimension = 6 inches