

# BUILDBLOCK BUILDING SYSTEMS GLOBALBLOCK ENGINEERING TABLES

## GlobalBlock 300 High Wind Load Reinforcement Requirements 1 Story Structure

Wall Height	Wind Speed - Exposure Category B											
	100 mph		120 mph		140 mph		160 mph		180 mph		200 mph	
	Vasd = 77 mph		Vasd = 93 mph		Vasd = 108 mph		Vasd = 124 mph		Vasd = 139 mph		Vasd = 155 mph	
	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal
8'	#4 @ 12"	#3 @ 16"	#4 @ 12"	#3 @ 16"	#4 @ 12"	#3 @ 16"	-	-	-	-	-	-
10'	-	-	-	-	-	-	-	-	-	-	-	-
12'	-	-	-	-	-	-	-	-	-	-	-	-

Wall Height	WIND SPEED - EXPOSURE CATEGORY C											
	100 mph		120 mph		140 mph		160 mph		180 mph		200 mph	
	Vasd = 77 mph		Vasd = 93 mph		Vasd = 108 mph		Vasd = 124 mph		Vasd = 139 mph		Vasd = 155 mph	
	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal
8'	#4 @ 12"	#3 @ 16"	#4 @ 12"	#3 @ 16"	#4 @ 12"	#3 @ 16"	-	-	-	-	-	-
10'	-	-	-	-	-	-	-	-	-	-	-	-
12'	-	-	-	-	-	-	-	-	-	-	-	-

**ASSUMPTIONS:**

Dead load = 25 psf.  
 Live floor load = 40 psf.  
 Live roof load = 20 psf.  
 No snow load.  
 No seismic load.  
 Maximum clear span for floor trusses is 24'-0".  
 Maximum clear span for roof trusses is 40'-0".  
 Maximum mean roof height is 30'-0".  
 Maximum (1) stories.  
 Concrete strength:  $f'_c = 3,000$  psi  
 Reinforcement steel strength:  $f_y = 60,000$  psi

	 <p><b>BUILDBLOCK BUILDING SYSTEMS, LLC</b>          9705 N. Broadway Extension, Suite 200, Oklahoma City, OK 73114          Office: 405-840-3386   Toll Free: 866-222-2575   Fax: 831-597-0792  <a href="http://buildblock.com">buildblock.com</a>   <a href="http://store.buildblock.com">store.buildblock.com</a></p>	<p><b>TABLE NUMBER</b> <b>10-A</b></p>
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