

<b>8" Ivany Block Wall</b>		
<b>(d = 5 1/8")</b>		<b>30 psf/ft</b>
Height	Vertical Reinforcement	Horizontal Reinforcement
5' - 4"	#4 @ 32"	#3 @ 16"
6' - 0"	#4 @ 32"	#3 @ 16"
6' - 8"	#4 @ 32"	#3 @ 16"
7' - 4"	#4 @ 24"	#3 @ 16"
8' - 0"	#4 @ 24"	#3 @ 16"
8' - 8"	#5 @ 24"	#3 @ 16"
9' - 4"	#5 @ 24"	#3 @ 16"
10' - 0"	#5 @ 16"	#3 @ 16"
10' - 8"	#5 @ 16"	#3 @ 16"
11' - 4"	#6 @ 16"	#3 @ 16"
12' - 0"	#6 @ 16"	#3 @ 16"
12' - 8"	#5 @ 8"	#3 @ 16"

<b>8" Ivany Block Wall</b>		
<b>(d = 5 1/8")</b>		<b>45 psf/ft</b>
Height	Vertical Reinforcement	Horizontal Reinforcement
5' - 4"	#4 @ 32"	#3 @ 16"
6' - 0"	#4 @ 32"	#3 @ 16"
6' - 8"	#4 @ 24"	#3 @ 16"
7' - 4"	#4 @ 16"	#3 @ 16"
8' - 0"	#4 @ 16"	#3 @ 16"
8' - 8"	#5 @ 16"	#3 @ 16"
9' - 4"	#5 @ 16"	#3 @ 16"
10' - 0"	#5 @ 8"	#3 @ 16"
10' - 8"	#5 @ 8"	#3 @ 16"
11' - 4"	#6 @ 8"	#3 @ 16"

<b>8" Ivany Block Wall</b>		
<b>(d = 5 1/8")</b>		<b>60 psf/ft</b>
Height	Vertical Reinforcement	Horizontal Reinforcement
5' - 4"	#4 @ 32"	#3 @ 16"
6' - 0"	#4 @ 24"	#3 @ 16"
6' - 8"	#4 @ 16"	#3 @ 16"
7' - 4"	#4 @ 16"	#3 @ 16"
8' - 0"	#4 @ 8"	#3 @ 16"
8' - 8"	#4 @ 8"	#3 @ 16"
9' - 4"	#5 @ 8"	#3 @ 16"
10' - 0"	#6 @ 8"	#3 @ 16"
10' - 8"	#6 @ 8"	#3 @ 16"

<b>8" Ivany Block Wall</b>	
Height	Allowable Compressive Strength
8'	542 psi
9'	526 psi
10'	509 psi
11'	490 psi
12'	469 psi
13'	446 psi
14'	421 psi
15'	395 psi
16'	367 psi
17'	337 psi

<b>12" Ivany Block Wall</b>		
(d = 8 5/8")		30 psf/ft
Height	Vertical Reinforcement	Horizontal Reinforcement
6' - 8"	#4 @ 24"	#4 @ 24"
7' - 4"	#4 @ 24"	#4 @ 24"
8' - 0"	#4 @ 24"	#4 @ 24"
8' - 8"	#4 @ 24"	#4 @ 24"
9' - 4"	#4 @ 24"	#4 @ 24"
10' - 0"	#4 @ 16"	#4 @ 24"
10' - 8"	#4 @ 16"	#4 @ 24"
11' - 4"	#5 @ 16"	#4 @ 24"
12' - 0"	#5 @ 16"	#4 @ 24"
12' - 8"	#5 @ 16"	#4 @ 24"
13' - 4"	#6 @ 16"	#4 @ 24"
14' - 0"	#6 @ 16"	#4 @ 24"
14' - 8"	#6 @ 16"	#4 @ 24"
15' - 4"	#7 @ 16"	#4 @ 24"
16' - 0"	#7 @ 16"	#4 @ 24"
16' - 8"	#6 @ 8"	#4 @ 24"
17' - 4"	#6 @ 8"	#4 @ 24"
18' - 0"	#7 @ 8"	#4 @ 24"
18' - 8"	#7 @ 8"	#4 @ 24"

<b>12" Ivany Block Wall</b>		
(d = 8 5/8")		45 psf/ft
Height	Vertical Reinforcement	Horizontal Reinforcement
6' - 8"	#4 @ 24"	#4 @ 24"
7' - 4"	#4 @ 24"	#4 @ 24"
8' - 0"	#4 @ 24"	#4 @ 24"
8' - 8"	#4 @ 16"	#4 @ 24"
9' - 4"	#4 @ 16"	#4 @ 24"
10' - 0"	#5 @ 16"	#4 @ 24"
10' - 8"	#5 @ 16"	#4 @ 24"
11' - 4"	#6 @ 16"	#4 @ 24"
12' - 0"	#6 @ 16"	#4 @ 24"
12' - 8"	#6 @ 16"	#4 @ 24"
13' - 4"	#7 @ 16"	#4 @ 24"
14' - 0"	#7 @ 16"	#4 @ 24"
14' - 8"	#6 @ 8"	#4 @ 24"
15' - 4"	#6 @ 8"	#4 @ 24"
16' - 0"	#7 @ 8"	#4 @ 24"

<b>12" Ivany Block Wall</b>		
(d = 8 5/8")		60 psf/ft
Height	Vertical Reinforcement	Horizontal Reinforcement
6' - 8"	#4 @ 24"	#4 @ 24"
7' - 4"	#4 @ 24"	#4 @ 24"
8' - 0"	#4 @ 16"	#4 @ 24"
8' - 8"	#4 @ 16"	#4 @ 24"
9' - 4"	#5 @ 16"	#4 @ 24"
10' - 0"	#5 @ 16"	#4 @ 24"
10' - 8"	#6 @ 16"	#4 @ 24"
11' - 4"	#6 @ 16"	#4 @ 24"
12' - 0"	#7 @ 16"	#4 @ 24"
12' - 8"	#7 @ 16"	#4 @ 24"
13' - 4"	#6 @ 8"	#4 @ 24"
14' - 0"	#6 @ 8"	#4 @ 24"
14' - 8"	#7 @ 8"	#4 @ 24"

<b>12" Ivany Block Wall</b>	
Height	Allowable Compressive Strength
12'	544 psi
13'	534 psi
14'	523 psi
15'	512 psi
16'	500 psi
17'	487 psi
18'	473 psi
19'	459 psi
20'	444 psi
21'	428 psi
22'	411 psi
23'	393 psi
24'	375 psi
25'	356 psi

<b>16" Ivany Block Wall</b>		
(d = 12 3/8")		30 psf/ft
Height	Vertical Reinforcement	Horizontal Reinforcement
9' - 4"	#4 @ 16"	#4 @ 16"
10' - 0"	#4 @ 16"	#4 @ 16"
10' - 8"	#4 @ 16"	#4 @ 16"
11' - 4"	#4 @ 16"	#4 @ 16"
12' - 0"	#4 @ 16"	#4 @ 16"
12' - 8"	#5 @ 16"	#4 @ 16"
13' - 4"	#5 @ 16"	#4 @ 16"
14' - 0"	#5 @ 16"	#4 @ 16"
14' - 8"	#5 @ 16"	#4 @ 16"
15' - 4"	#6 @ 16"	#4 @ 16"
16' - 0"	#6 @ 16"	#4 @ 16"
16' - 8"	#7 @ 16"	#4 @ 16"
17' - 4"	#7 @ 16"	#4 @ 16"
18' - 0"	#5 @ 8"	#4 @ 16"
18' - 8"	#5 @ 8"	#4 @ 16"
19' - 4"	#6 @ 8"	#4 @ 16"
20' - 0"	#6 @ 8"	#4 @ 16"
20' - 8"	#6 @ 8"	#4 @ 16"
21' - 4"	#7 @ 8"	#4 @ 16"
22' - 0"	#7 @ 8"	#4 @ 16"
22' - 8"	#7 @ 8"	#4 @ 16"
23' - 4"	#7 @ 8"	#4 @ 16"

<b>16" Ivany Block Wall</b>		
(d = 12 3/8")		45 psf/ft
Height	Vertical Reinforcement	Horizontal Reinforcement
9' - 4"	#4 @ 16"	#4 @ 16"
10' - 0"	#4 @ 16"	#4 @ 16"
10' - 8"	#4 @ 16"	#4 @ 16"
11' - 4"	#5 @ 16"	#4 @ 16"
12' - 0"	#5 @ 16"	#4 @ 16"
12' - 8"	#5 @ 16"	#4 @ 16"
13' - 4"	#6 @ 16"	#4 @ 16"
14' - 0"	#6 @ 16"	#4 @ 16"
14' - 8"	#7 @ 16"	#4 @ 16"
15' - 4"	#7 @ 16"	#4 @ 16"
16' - 0"	#7 @ 16"	#4 @ 16"
16' - 8"	#6 @ 8"	#4 @ 16"
17' - 4"	#6 @ 8"	#4 @ 16"
18' - 0"	#6 @ 8"	#4 @ 16"
18' - 8"	#7 @ 8"	#4 @ 16"
19' - 4"	#7 @ 8"	#4 @ 16"
20' - 0"	#7 @ 8"	#4 @ 16"

<b>16" Ivany Block Wall</b>		
(d = 12 3/8")		60 psf/ft
Height	Vertical Reinforcement	Horizontal Reinforcement
9' - 4"	#4 @ 16"	#4 @ 16"
10' - 0"	#6 @ 24"	#4 @ 16"
10' - 8"	#6 @ 24"	#4 @ 16"
11' - 4"	#6 @ 24"	#4 @ 16"
12' - 0"	#6 @ 16"	#4 @ 16"
12' - 8"	#6 @ 16"	#4 @ 16"
13' - 4"	#5 @ 8"	#4 @ 16"
14' - 0"	#5 @ 8"	#4 @ 16"
14' - 8"	#5 @ 8"	#4 @ 16"
15' - 4"	#6 @ 8"	#4 @ 16"
16' - 0"	#6 @ 8"	#4 @ 16"
16' - 8"	#7 @ 8"	#4 @ 16"
17' - 4"	#7 @ 8"	#4 @ 16"
18' - 0"	#7 @ 8"	#4 @ 16"

<b>16" Ivany Block Wall</b>	
Height	Allowable Compressive Strength
16'	545 psi
17'	537 psi
18'	530 psi
19'	522 psi
20'	513 psi
21'	504 psi
22'	495 psi
23'	485 psi
24'	475 psi
25'	465 psi
26'	453 psi
27'	442 psi
28'	430 psi
29'	418 psi
30'	405 psi
31'	392 psi
32'	378 psi
33'	364 psi