

Notes:

1. Check end reactions for web crippling
2. Limiting wall heights based on fully braced section.
3. Values based on $F_y = 33$ ksi
4. Lateral loads multiplied by 0.75 for strength determination per AISI A5.1.3.

LIMITING HEIGHTS (NON-COMPOSITE) NON-STRUCTURAL

					5 PSF			7.5 PSF			10 PSF			
Web (in)	Gauge	Flange (in)	Lip (in)	Spacing (in) o.c.	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360	
1-5/8	1-1/4	3/16	20	12	11' 7"	9' 2"	8' 0"	10' 1"	8' 0"	7' 0"	9' 2"	7' 3"	6' 4"	
				16	10' 6"	8' 4"	7' 3"	9' 2"	7' 3"	6' 4"	8' 4"	6' 7"	5' 9"	
				24	9' 2"	7' 3"	6' 4"	8' 0"	6' 4"	5' 7"	7' 3"	5' 9"	5' 0"	
1-5/8	1-1/4	3/16	25	12	9' 7"	7' 7"	6' 7"	8' 4"	6' 7"	5' 9"	7' 7"	6' 0"	5' 3"	
				16	8' 8"	6' 11"	6' 0"	7' 7"	6' 0"	5' 3"	6' 7"	5' 5"	4' 9"	
				24	7' 7"	6' 0"	5' 3"	6' 2"	5' 3"	4' 7"	5' 4"	4' 9"	4' 2"	
2-1/2	1-1/4	3/16	20	12	16' 1"	12' 9"	11' 1"	14' 0"	11' 1"	9' 8"	12' 9"	10' 1"	8' 10"	
				16	14' 7"	11' 7"	10' 1"	12' 9"	10' 1"	8' 10"	11' 7"	9' 2"	8' 0"	
				24	12' 9"	10' 1"	8' 10"	11' 1"	8' 10"	7' 8"	9' 8"	8' 0"	7' 0"	
2-1/2	1-1/4	3/16	25	12	13' 3"	10' 6"	9' 2"	11' 7"	9' 2"	8' 0"	10' 2"	8' 4"	7' 3"	
				16	12' 0"	9' 6"	8' 4"	10' 2"	8' 4"	7' 3"	8' 10"	7' 7"	6' 7"	
				24	10' 2"	8' 4"	7' 3"	8' 4"	7' 3"	6' 4"	6' 11"	6' 7"	5' 9"	
3-5/8	1-1/4	3/16	20	12	21' 5"	17' 0"	14' 10"	18' 8"	14' 10"	12' 11"	17' 0"	13' 5"	11' 9"	
				16	19' 5"	15' 5"	13' 5"	17' 0"	13' 5"	11' 9"	15' 5"	12' 3"	10' 8"	
				24	17' 0"	13' 5"	11' 9"	14' 7"	11' 9"	10' 3"	12' 8"	10' 8"	9' 4"	
3-5/8	1-1/4	3/16	25	12	17' 9"	14' 1"	12' 4"	14' 6"	12' 4"	10' 9"	12' 7"	11' 2"	9' 9"	
				16	15' 4"	12' 9"	11' 2"	12' 7"	11' 2"	9' 9"	9' 8"	9' 8"	8' 10"	
				24	12' 7"	11' 2"	9' 9"	8' 7"	8' 7"	8' 6"	6' 5"	6' 5"	6' 5"	
4	1-1/4	3/16	20	12	23' 1"	18' 4"	16' 0"	20' 2"	16' 0"	14' 0"	18' 4"	14' 7"	12' 8"	
				16	21' 0"	16' 8"	14' 7"	18' 4"	14' 7"	12' 8"	16' 7"	13' 3"	11' 6"	
				24	18' 4"	14' 7"	12' 8"	15' 8"	12' 8"	11' 1"	13' 7"	11' 6"	10' 1"	
4	1-1/4	3/16	25	12	18' 8"	15' 2"	13' 3"	15' 3"	13' 3"	11' 7"	12' 0"	12' 0"	10' 6"	
				16	16' 2"	13' 9"	12' 0"	12' 0"	12' 0"	10' 6"	9' 0"	9' 0"	9' 0"	
				24	12' 0"	12' 0"	10' 6"	8' 0"	8' 0"	8' 0"	6' 0"	6' 0"	6' 0"	
6	1-1/4	3/16	20	12	31' 8"	25' 5"	22' 0"	27' 1"	22' 0"	19' 2"	23' 6"	19' 11"	17' 5"	
				16	28' 9"	22' 10"	19' 11"	23' 6"	19' 11"	17' 5"	20' 4"	18' 1"	15' 10"	
				24	23' 6"	19' 11"	17' 5"	19' 2"	17' 5"	15' 3"	16' 6"	15' 10"	13' 10"	
6	1-1/4	3/16	25	12										
				16										
				24										