

ALTERNATE TOP STORY INSTALLATION

Reduce the number of floors in the CTDS run by using straps at the top story.

Codes: ICG-ES ER 5672, ICG-ES ER 4935; LA RR 25293 (CMST12 & CMST14); Florida FL 1901

See most recent *Wood Construction Connectors* catalog for additional information and requirements.

Alternate Top Story Strap Installation

Strap Model No.	Ga.	Width (in)	DF/SP			SPF/HF			Minimum Stud Required	Allowable Tension Loads		Nail Spacing O.C. (in a row)	
			End Length (in)	Cut Length or Actual Length	Total Number of Fasteners per Strap	End Length (in)	Cut Length or Actual Length	Total Number of Fasteners per Strap		(133)	(160)		
2-CS16	16	1 1/4	14	Clear Span + 28"	26-8d	17	Clear Span + 34"	30-8d	2x	3410	3410	2 1/16"	
			12	Clear Span + 24"	22-10d	15	Clear Span + 30"	26-10d		3410	3410		
2-MSTC40	16	3	11 1/8"	Length = 40 1/4"	28-16d sinkers	—	Length = 40 1/4"	—	2-2x	4670	5600	1 1/2"	
			12 1/8"		36-16d sinkers	—		—		6000	7200		
			—		—	11 1/8"		28-16d sinkers		—	4030		4840
			—		—	12 1/8"		36-16d sinkers		—	5180		6220
2-MSTC52	16	3	17 1/8"	Length = 52 1/4"	44-16 sinkers	—	Length = 52 1/4"	—	2-2x	7330	8800	1 1/2"	
			18 1/8"		48-16 sinkers	—		—		8000	9170		
			—		—	17 1/8"		44-16 sinkers		—	6340		7600
			—		—	18 1/8"		48-16 sinkers		—	6910		8290
2-CMSTC16	16	3	23	Clear Span + 46"	56-16d sinkers	27	Clear Span + 54"	66-16d sinkers	2-2x	9170	9170	1 1/2"	
			45	Clear Span + 90"	56-16d sinkers	52	Clear Span + 104"	66-16d sinkers		9170	9170	3"	
2-CMST14	14	3	30	Clear Span + 60"	66-16d	35	Clear Span + 70"	76-16d	2-2x	12980	12980	1 3/4"	
			34	Clear Span + 68"	76-10d	40	Clear Span + 80"	88-10d		12980	12980	1 3/4"	
			59	Clear Span + 118"	66-16d	68	Clear Span + 136"	76-16d		12980	12980	3 1/2"	
			68	Clear Span + 136"	76-10d	78	Clear Span + 156"	88-10d		12980	12980	3 1/2"	
2-CMST12	12	3	39	Clear Span + 78"	86-16d	45	Clear Span + 90"	100-16d	2-2x	18430	18430	1 3/4"	
			45	Clear Span + 90"	100-10d	51	Clear Span + 102"	114-10d		18430	18430	1 3/4"	
			76	Clear Span + 152"	86-16d	89	Clear Span + 178"	100-16d		18430	18430	3 1/2"	
			89	Clear Span + 178"	100-10d	101	Clear Span + 202"	114-10d		18430	18430	3 1/2"	

1. Loads are for 2 straps.
2. Use half of the nails at each member being connected to achieve the listed loads.
3. Fasteners shall not be located in clear span.

