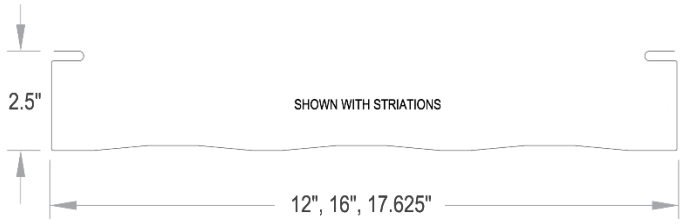
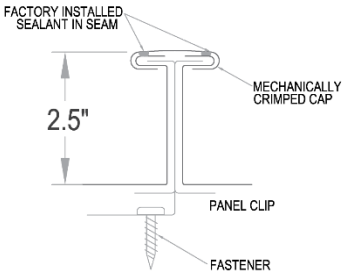
TEE-LOCK
TL25 STEEL





180 Deflection

SECTION PROPERTIES							ALLOWABLE UNIFORM LOADS, psf (single span)						
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression			Inward Load						
				I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	2.5'	3.0'	3.5'	4.0'	4.5'	5.0'	5.5'
24	12	50	1.47	0.2429	0.2429	0.1030	329.6	228.9	168.2	128.8	101.7	82.4	68.1
22	12	50	1.88	0.3123	0.3123	0.1378	441.0	306.2	225.0	172.3	136.1	110.2	91.1
24	16	50	1.36	0.1920	0.1636	0.0777	248.6	172.7	126.9	97.1	76.7	62.2	51.4
22	16	50	1.71	0.2470	0.2100	0.1040	332.8	231.1	169.8	130.0	102.7	83.2	68.8
24	18	50	1.28	0.1730	0.1470	0.0689	220.5	153.1	112.5	86.1	68.1	55.1	45.6
22	18	50	1.61	0.2240	0.1900	0.0923	295.4	205.1	150.7	115.4	91.2	73.8	61.0

SECTION PROPERTIES							ALLOWABLE UNIFORM LOADS, psf (two equal spans)						
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression			Inward Load						
				I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	2.5'	3.0'	3.5'	4.0'	4.5'	5.0'	5.5'
24	12	50	1.47	0.2429	0.2429	0.1030	329.6	228.9	168.2	128.8	101.7	82.4	68.1
22	12	50	1.88	0.3123	0.3123	0.1378	441.0	306.2	225.0	172.3	136.1	110.2	91.1
24	16	50	1.36	0.1920	0.1636	0.0777	248.6	172.7	126.9	97.1	76.7	62.2	51.4
22	16	50	1.71	0.2470	0.2100	0.1040	332.8	231.1	169.8	130.0	102.7	83.2	68.8
24	18	50	1.28	0.1730	0.1470	0.0689	220.5	153.1	112.5	86.1	68.1	55.1	45.6
22	18	50	1.61	0.2240	0.1900	0.0923	295.4	205.1	150.7	115.4	91.2	73.8	61.0

SECTION PROPERTIES							ALLOWABLE UNIFORM LOADS, psf (three equal spans)						
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression			Inward Load						
				I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	2.5'	3.0'	3.5'	4.0'	4.5'	5.0'	5.5'
24	12	50	1.47	0.2429	0.2429	0.1030	412.0	286.1	210.2	160.9	127.2	103.0	85.1
22	12	50	1.88	0.3123	0.3123	0.1378	551.2	382.8	281.2	215.3	170.1	137.8	113.9
24	16	50	1.36	0.1920	0.1636	0.0777	310.8	215.8	158.6	121.4	95.9	77.7	64.2
22	16	50	1.71	0.2470	0.2100	0.1040	416.0	288.9	212.2	162.5	128.4	104.0	86.0
24	18	50	1.28	0.1730	0.1470	0.0689	275.6	191.4	140.6	107.7	85.1	68.9	56.9
22	18	50	1.61	0.2240	0.1900	0.0923	369.2	256.4	188.4	144.2	114.0	92.3	76.3

TEE-LOCK
TL25 STEEL

240 Deflection

SECTION PROPERTIES							ALLOWABLE UNIFORM LOADS, psf (single span)						
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression			Inward Load						
				I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	2.5'	3.0'	3.5'	4.0'	4.5'	5.0'	5.5'
24	12	50	1.47	0.2429	0.2429	0.1030	329.6	228.9	168.2	128.8	101.7	82.4	68.1
22	12	50	1.88	0.3123	0.3123	0.1378	441.0	306.2	225.0	172.3	136.1	110.2	91.1
24	16	50	1.36	0.1920	0.1636	0.0777	248.6	172.7	126.9	97.1	76.7	62.2	51.4
22	16	50	1.71	0.2470	0.2100	0.1040	332.8	231.1	169.8	130.0	102.7	83.2	68.8
24	18	50	1.28	0.1730	0.1470	0.0689	220.5	153.1	112.5	86.1	68.1	55.1	45.6
22	18	50	1.61	0.2240	0.1900	0.0923	295.4	205.1	150.7	115.4	91.2	73.8	61.0

SECTION PROPERTIES							ALLOWABLE UNIFORM LOADS, psf (two equal spans)						
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression			Inward Load						
				I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	2.5'	3.0'	3.5'	4.0'	4.5'	5.0'	5.5'
24	12	50	1.47	0.2429	0.2429	0.1030	329.6	228.9	168.2	128.8	101.7	82.4	68.1
22	12	50	1.88	0.3123	0.3123	0.1378	441.0	306.2	225.0	172.3	136.1	110.2	91.1
24	16	50	1.36	0.1920	0.1636	0.0777	248.6	172.7	126.9	97.1	76.7	62.2	51.4
22	16	50	1.71	0.2470	0.2100	0.1040	332.8	231.1	169.8	130.0	102.7	83.2	68.8
24	18	50	1.28	0.1730	0.1470	0.0689	220.5	153.1	112.5	86.1	68.1	55.1	45.6
22	18	50	1.61	0.2240	0.1900	0.0923	295.4	205.1	150.7	115.4	91.2	73.8	61.0

SECTION PROPERTIES							ALLOWABLE UNIFORM LOADS, psf (three equal spans)						
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression			Inward Load						
				I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	2.5'	3.0'	3.5'	4.0'	4.5'	5.0'	5.5'
24	12	50	1.47	0.2429	0.2429	0.1030	412.0	286.1	210.2	160.9	127.2	103.0	85.1
22	12	50	1.88	0.3123	0.3123	0.1378	551.2	382.8	281.2	215.3	170.1	137.8	113.9
24	16	50	1.36	0.1920	0.1636	0.0777	310.8	215.8	158.6	121.4	95.9	77.7	64.2
22	16	50	1.71	0.2470	0.2100	0.1040	416.0	288.9	212.2	162.5	128.4	104.0	86.0
24	18	50	1.28	0.1730	0.1470	0.0689	275.6	191.4	140.6	107.7	85.1	68.9	56.9
22	18	50	1.61	0.2240	0.1900	0.0923	369.2	256.4	188.4	144.2	114.0	92.3	76.3

NOTES:

1. Theoretical section properties have been calculated per AISI 2012 North American Specification for the Design of Cold-Formed Steel Structural Member.
Ixx and Sxx are effective section properties for deflection and bending.
2. Allowable load is calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers a 3 or more equal span condition.
3. Allowable load does not address web crippling, fasteners, connection strength or support material.
4. Panel weight is not considered.
5. Load/Span values are based on theoretical computations and not load testing.
6. Deflection consideration is limited by a maximum deflection ratio of L/180 or L/240 of span.
7. Allowable loads do not include a 1/3 stress increase for wind.