

**7.2 Insul-Rib™ Wall Panels, 22 Ga. Exterior / 26 Ga. Interior Facings**  
**Allowable Load<sup>1,3,4,5,6,11</sup> (psf) Chart for Two or More Equal Spans**

Panel Type <sup>2</sup>	Span Condition	Design Criteria <sup>7,8,9,10</sup>	Support Span												
			4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft	13 ft	14 ft	15 ft	
2.5" CF-7.2 Insul Rib	Two Spans	Bending and Shear	143.1	95.2	68.5	52.0	41.0	33.3	27.6	23.3	20.0	17.4	15.2	13.5	
		L/180	577.2	320.3	201.2	137.2	99.1	74.7	58.1	46.3	37.6	31.0	25.9	21.9	
		Pattern FP1	27.1	24.1	22.1	20.7	19.6	18.8	18.1	17.5	17.0	15.7	14.6	13.5	
		Pattern FP2	35.0	28.0	23.4										
		Pattern FP3	50.9	40.8	34.0	29.1	25.5	22.6	20.3	18.5					
	Pattern FP11	143.1	95.2	68.5	52.0	41.0	33.3	27.6	23.3	20.0	17.4	15.2	13.5		
	Three or More Spans	Bending and Shear	171.6	113.1	80.9	61.2	48.2	39.1	32.5	27.5	23.6	20.5	18.0	15.9	
		L/180	492.7	278.6	177.1	121.7	88.1	66.4	51.5	40.9	33.0	27.1	22.6	19.0	
		Pattern FP1	30.4	27.0	24.8	23.2	22.0	21.0	20.3	19.7	19.1	17.7	16.4	15.3	
		Pattern FP2	39.3	31.4	26.2										
Pattern FP3		57.1	45.7	38.1	32.6	28.5	25.4	22.8	20.7						
Pattern FP11	161.5	113.1	80.9	61.2	48.2	39.1	32.5	27.5	23.6	20.5	18.0	15.9			
3" CF-7.2 Insul Rib	Two Spans	Bending and Shear	147.5	99.4	72.4	55.6	44.3	36.3	30.3	25.8	22.3	19.5	17.1	15.2	
		L/180	601.4	339.6	217.2	150.9	111.0	85.1	67.2	54.4	44.9	37.5	31.8	27.2	
		Pattern FP1	42.4	35.8	31.3	28.1	25.6	23.7	22.2	20.9	19.9	18.3	17.0	15.2	
		Pattern FP2													
		Pattern FP3	57.4	46.1	38.4	33.0	28.8	25.6	23.0						
	Pattern FP11	144.6	99.4	72.4	55.6	44.3	36.3	30.3	25.8	22.3	19.5	17.1	15.2		
	Three or More Spans	Bending and Shear	175.5	116.8	84.4	64.4	51.2	41.9	35.0	29.8	25.8	22.6	19.9	17.7	
		L/180	521.0	300.9	195.5	137.0	101.3	77.7	61.4	49.5	40.7	33.8	28.5	24.3	
		Pattern FP1	47.4	39.9	34.9	31.3	28.6	26.4	24.8	23.4	22.2	20.5	19.0	17.7	
		Pattern FP2													
Pattern FP3		64.2	51.4	42.8	36.7	32.1	28.5	25.7							
Pattern FP11	161.8	116.8	84.4	64.4	51.2	41.9	35.0	29.8	25.8	22.6	19.9	17.7			
4" CF-7.2 Insul Rib	Two Spans	Bending and Shear	153.8	105.4	78.2	61.0	49.3	41.0	34.7	29.8	26.0	22.9	20.3	18.2	
		L/180	635.9	367.8	241.0	171.5	129.1	101.3	81.8	67.6	56.9	48.6	41.9	36.5	
		Pattern FP1	47.7	39.6	34.2	30.3	27.3	24.9	23.0	21.4	20.1	18.6	17.2	16.0	
		Pattern FP2	53.6	43.2	36.1	31.0									
		Pattern FP3	70.5	56.8	47.5	40.7	35.6	31.6	28.4	25.8	23.6	21.7	20.1	18.2	
	Pattern FP11	145.8	105.4	78.2	61.0	49.3	41.0	34.7	29.8	26.0	22.9	20.3	18.2		
	Three or More Spans	Bending and Shear	181.2	122.2	89.5	69.2	55.6	46.0	38.9	33.5	29.2	25.8	23.0	20.6	
		L/180	560.9	332.9	222.3	160.1	121.5	95.7	77.4	64.0	53.7	45.7	39.3	34.1	
		Pattern FP1	53.0	43.9	37.7	33.3	30.0	27.5	25.4	23.7	22.3	20.6	19.1	17.8	
		Pattern FP2	59.7	47.8	39.8	34.1									
Pattern FP3		78.4	62.8	52.4	44.9	39.3	34.9	31.4	28.5	26.1	24.1	22.4	20.6		
Pattern FP11	162.2	122.2	89.5	69.2	55.6	46.0	38.9	33.5	29.2	25.8	23.0	20.6			
5" CF-7.2 Insul Rib	Two Spans	Bending and Shear	161.4	112.5	84.7	66.9	54.7	45.8	39.1	33.9	29.7	26.3	23.5	21.2	
		L/180	683.8	405.9	272.4	198.1	152.1	121.4	99.7	83.6	71.3	61.6	53.8	47.4	
		Pattern FP1	48.1	40.0	34.6	30.6	27.6	25.2	23.3	21.7	20.4	18.7	17.4	16.2	
		Pattern FP2	54.1	43.6	36.5	31.4									
		Pattern FP3	71.1	57.3	48.0	41.2	36.1	32.0	28.8	26.1	23.9	22.0	20.3	18.9	
	Pattern FP11	147.0	112.5	84.7	66.9	54.7	45.8	39.1	33.9	29.7	26.3	23.5	21.2		
	Three or More Spans	Bending and Shear	188.0	128.6	95.3	74.6	60.6	50.6	43.1	37.3	32.8	29.1	26.0	23.5	
		L/180	614.4	374.4	256.0	188.4	145.8	116.9	96.2	80.7	68.7	59.3	51.6	45.3	
		Pattern FP1	53.2	44.0	37.9	33.5	30.1	27.6	25.5	23.8	22.4	20.6	19.1	17.9	
		Pattern FP2	59.8	47.9	40.0	34.3									
Pattern FP3		78.7	63.0	52.6	45.1	39.4	35.0	31.5	28.6	26.2	24.2	22.4	20.9		
Pattern FP11	162.6	128.6	95.3	74.6	60.6	50.6	43.1	37.3	32.8	29.1	26.0	23.5			
6" CF-7.2 Insul Rib	Two Spans	Bending and Shear	168.3	118.8	90.4	72.2	59.5	50.2	43.1	37.6	33.1	29.4	26.4	23.8	
		L/180	729.4	442.1	302.4	223.6	174.2	140.8	117.0	99.1	85.4	74.4	65.5	58.1	
		Pattern FP1	48.4	40.4	34.9	30.9	27.9	25.5	23.5	21.9	20.6	18.9	17.5	16.3	
		Pattern FP2	54.4	44.0	36.9	31.7									
		Pattern FP3	71.6	57.8	48.5	41.7	36.5	32.4	29.1	26.4	24.1	22.2	20.5	19.1	
	Pattern FP11	148.0	118.8	90.4	72.2	59.5	50.2	43.1	37.6	33.1	29.4	26.4	23.8		
	Three or More Spans	Bending and Shear	194.3	134.4	100.6	79.4	65.0	54.6	46.8	40.8	35.9	32.0	28.8	26.0	
		L/180	664.3	413.2	287.6	215.0	168.8	137.1	114.1	96.8	83.3	72.5	63.7	56.4	
		Pattern FP1	53.3	44.1	38.0	33.6	30.2	27.6	25.6	23.8	22.4	20.7	19.2	17.9	
		Pattern FP2	60.0	48.1	40.1	34.4									
Pattern FP3		78.9	63.2	52.7	45.2	39.5	35.1	31.6	28.7	26.3	24.2	22.5	21.0		
Pattern FP11	163.0	130.7	100.6	79.4	65.0	54.6	46.8	40.8	35.9	32.0	28.8	26.0			

**Notes:**

- The Load Span Table above is based on Allowable Stress Design (ASD). For loads calculated based on ASCE 7-10 (LRFD), please refer to section 2.4.1 of ASCE 7-10 for the applicable load combinations using Allowable Stress Design.
- Panel thickness includes rib height.
- Allowable positive or inward load is the lowest value of the panel bending and shear strength or deflection limit.
- Allowable suction or outward load is the lowest value of the panel bending and shear strength, deflection limit and connection strength for each fastener pattern. The numbers have been reduced to reflect the lowest value.
- Loads based on panel stress, deflection and connection design criteria are derived from ASTM E-72 testing.
- Allowable loads are calculated with a factor of safety of 2.5 for bending, 3.0 for shear and 2.0 for connection.
- Pattern FP1 is based on clip with (2) ¼"-14 Tek III's in minimum 16 ga. steel.
- Pattern FP2 is based on FP1 and (1) blind rivet in minimum 16 ga. steel.
- Pattern FP3 is based on FP1 and (2) blind rivets in minimum 16 ga. steel.
- Pattern FP11 is based on five (7.2" on center, low cell of product), ¼"-14 Tek III's with 5/8" neoprene bonded washer in minimum 12 ga. steel.
- The structural capacity of the girts are not considered and must be examined independently.

**7.2 Insul-Rib™ Wall Panels, 24 Ga. Exterior / 26 Ga. Interior Facings**  
**Allowable Load<sup>1,3,4,5,6,11</sup> (psf) Chart for Two or More Equal Spans**

Panel Type <sup>2</sup>	Span Condition	Design Criteria <sup>7,8,9,10</sup>	Support Span											
			4 ft	5 ft	6 ft	7 ft	9 ft	10 ft	11 ft	12 ft	13 ft	14 ft	15 ft	
2.5" CF-7.2 Insul-Rib	Two Spans	Bending and Shear	125.1	83.5	60.2	45.8	29.4	24.4	20.6	17.7	15.4	13.5	11.9	
		L/180	509.9	285.6	180.8	124.2	68.3	53.3	42.6	34.7	28.6	24.0	20.3	
		Pattern FP1	27.1	24.2	22.2	20.7	18.8	18.1	17.5	17.0	15.4	13.5	11.9	
		Pattern FP2	35.0	28.1	23.4									
		Pattern FP3	50.9	40.8	34.0	29.2	22.6	20.3	18.5					
		Pattern FP11	125.1	83.5	60.2	45.8	29.4	24.4	20.6	17.7	15.4	13.5	11.9	
	Three or More Spans	Bending and Shear	149.4	98.8	70.9	53.7	34.4	28.6	24.2	20.8	18.1	15.9	14.1	
		L/180	438.9	250.4	160.4	110.8	61.0	47.4	37.7	30.5	25.1	20.9	17.6	
		Pattern FP1	30.4	27.0	24.8	23.2	21.0	20.3	19.7	19.1	18.1	15.9	14.1	
		Pattern FP2	39.3	31.4	26.2									
		Pattern FP3	57.1	45.7	38.1	32.6	25.4	22.8	20.7					
		Pattern FP11	149.4	98.8	70.9	53.7	34.4	28.6	24.2	20.8	18.1	15.9	14.1	
3" CF-7.2 Insul-Rib	Two Spans	Bending and Shear	129.4	87.6	64.0	49.3	32.2	27.0	23.0	19.8	17.3	15.3	13.6	
		L/180	534.1	304.9	196.9	137.8	78.6	62.4	50.6	41.8	35.1	29.7	25.5	
		Pattern FP1	42.5	35.8	31.4	28.1	23.7	22.2	20.9	19.8	17.3	15.3	13.6	
		Pattern FP2												
		Pattern FP3	57.5	46.2	38.5	33.0	25.6	23.0	20.9					
		Pattern FP11	129.4	87.6	64.0	49.3	32.2	27.0	23.0	19.8	17.3	15.3	13.6	
	Three or More Spans	Bending and Shear	153.2	102.4	74.2	56.8	37.1	31.1	26.5	22.9	20.0	17.7	15.8	
		L/180	467.0	272.6	178.6	126.0	72.2	57.1	46.2	38.0	31.7	26.7	22.7	
		Pattern FP1	47.4	39.9	34.9	31.3	26.5	24.8	23.4	22.2	20.0	17.7	15.8	
		Pattern FP2												
		Pattern FP3	64.2	51.4	42.8	36.7	28.5	25.7						
		Pattern FP11	153.2	102.4	74.2	56.8	37.1	31.1	26.5	22.9	20.0	17.7	15.8	
4" CF-7.2 Insul-Rib	Two Spans	Bending and Shear	135.6	93.5	69.6	54.5	36.7	31.1	26.8	23.3	20.5	18.3	16.4	
		L/180	568.7	333.1	220.6	158.4	94.8	76.9	63.8	53.8	46.0	39.8	34.7	
		Pattern FP1	47.8	39.8	34.3	30.3	24.9	23.0	21.5	20.1	18.6	17.2	16.0	
		Pattern FP2	53.8	43.3	36.2	31.0								
		Pattern FP3	70.7	56.9	47.6	40.8	31.7	28.5	25.8	23.3	20.5	18.3	16.4	
		Pattern FP11	135.6	93.5	69.6	54.5	36.7	31.1	26.8	23.3	20.5	18.3	16.4	
	Three or More Spans	Bending and Shear	158.8	107.7	79.2	61.4	41.1	34.8	30.0	26.2	23.1	20.6	18.5	
		L/180	506.6	304.3	205.2	148.9	89.9	73.0	60.5	50.9	43.4	37.3	32.4	
		Pattern FP1	53.1	43.9	37.8	33.4	27.5	25.4	23.7	22.3	20.6	19.1	17.8	
		Pattern FP2	59.7	47.8	39.8	34.1								
		Pattern FP3	78.5	62.9	52.4	44.9	34.9	31.4	28.5	26.1	23.1	20.6	18.5	
		Pattern FP11	158.8	107.7	79.2	61.4	41.1	34.8	30.0	26.2	23.1	20.6	18.5	
5" CF-7.2 Insul-Rib	Two Spans	Bending and Shear	143.1	100.4	75.9	60.1	41.3	35.3	30.6	26.8	23.8	21.2	19.1	
		L/180	616.6	371.1	252.0	184.9	114.8	94.7	79.7	68.1	59.0	51.6	45.5	
		Pattern FP1	48.2	40.2	34.7	30.7	25.3	23.3	21.7	20.4	18.7	17.4	16.2	
		Pattern FP2	54.3	43.8	36.6	31.4								
		Pattern FP3	71.4	57.5	48.2	41.3	32.1	28.8	26.1	23.9	22.0	20.3	18.9	
		Pattern FP11	143.1	100.4	75.9	60.1	41.3	35.3	30.6	26.8	23.8	21.2	19.1	
	Three or More Spans	Bending and Shear	165.5	113.9	84.8	66.6	45.4	38.7	33.6	29.5	26.2	23.5	21.2	
		L/180	559.5	345.4	238.5	176.9	111.0	91.6	77.1	65.8	56.8	49.5	43.4	
		Pattern FP1	53.2	44.1	37.9	33.5	27.6	25.5	23.8	22.4	20.6	19.1	17.9	
		Pattern FP2	59.9	48.0	40.0	34.3								
		Pattern FP3	78.7	63.1	52.6	45.1	35.0	31.5	28.6	26.2	24.2	22.4	20.9	
		Pattern FP11	162.8	113.9	84.8	66.6	45.4	38.7	33.6	29.5	26.2	23.5	21.2	
6" CF-7.2 Insul-Rib	Two Spans	Bending and Shear	149.8	106.5	81.4	65.2	45.4	39.0	34.0	30.0	26.6	23.9	21.6	
		L/180	662.0	407.2	281.9	210.3	134.1	111.9	95.1	82.1	71.7	63.2	56.1	
		Pattern FP1	48.6	40.5	35.1	31.0	25.5	23.6	21.9	20.6	18.9	17.5	16.3	
		Pattern FP2	54.7	44.2	37.0	31.8								
		Pattern FP3	71.9	58.1	48.7	41.8	32.4	29.1	26.4	24.1	22.2	20.5	19.1	
		Pattern FP11	148.6	106.5	81.4	65.2	45.4	39.0	34.0	30.0	26.6	23.9	21.6	
	Three or More Spans	Bending and Shear	171.6	119.5	89.9	71.2	49.2	42.2	36.8	32.4	28.9	26.0	23.5	
		L/180	608.8	383.8	269.9	203.4	131.0	109.4	93.1	80.2	69.9	61.5	54.4	
		Pattern FP1	53.4	44.2	38.0	33.6	27.6	25.6	23.8	22.4	20.7	19.2	17.9	
		Pattern FP2	60.0	48.1	40.1	34.4								
		Pattern FP3	79.0	63.3	52.8	45.2	35.1	31.6	28.7	26.3	24.2	22.5	21.0	
		Pattern FP11	163.2	119.5	89.9	71.2	49.2	42.2	36.8	32.4	28.9	26.0	23.5	

**Notes:**

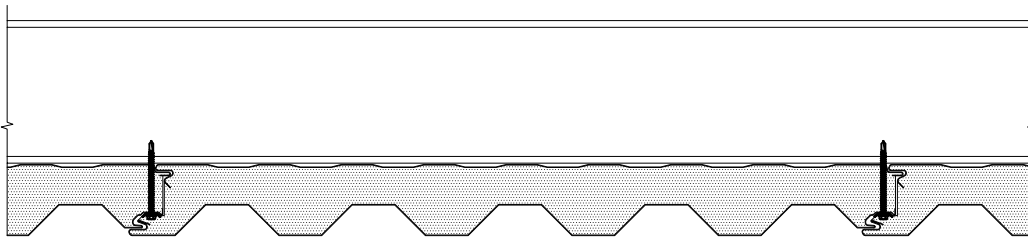
- The Load Span Table above is based on Allowable Stress Design (ASD). For loads calculated based on ASCE 7-10 (LRFD), please refer to section 2.4.1 of ASCE 7-10 for the applicable load combinations using Allowable Stress Design.
- Panel thickness includes rib height.
- Allowable positive or inward load is the lowest value of the panel bending and shear strength or deflection limit.
- Allowable suction or outward load is the lowest value of the panel bending and shear strength, deflection limit and connection strength for each fastener pattern. The numbers have been reduced to reflect the lowest value.
- Loads based on panel stress, deflection and connection design criteria are derived from ASTM E-72 testing.
- Allowable loads are calculated with a factor of safety of 2.5 for bending, 3.0 for shear and 2.0 for connection.
- Pattern FP1 is based on clip with (2) ¼"-14 Tek III's in minimum 16 ga. steel.
- Pattern FP2 is based on FP1 and (1) blind rivet in minimum 16 ga. steel.
- Pattern FP3 is based on FP1 and (2) blind rivets in minimum 16 ga. steel.
- Pattern FP11 is based on five (7.2" on center, low cell of product), ¼"-14 Tek III's with 5/8" neoprene bonded washer in minimum 14 ga. steel.
- The structural capacity of the girts are not considered and must be examined independently.

**7.2 Insul-Rib™ Wall Panels, 26 Ga. Exterior / 26 Ga. Interior Facings**  
**Allowable Load<sup>1,3,4,5,6,11</sup> (psf) Chart for Two or More Equal Spans**

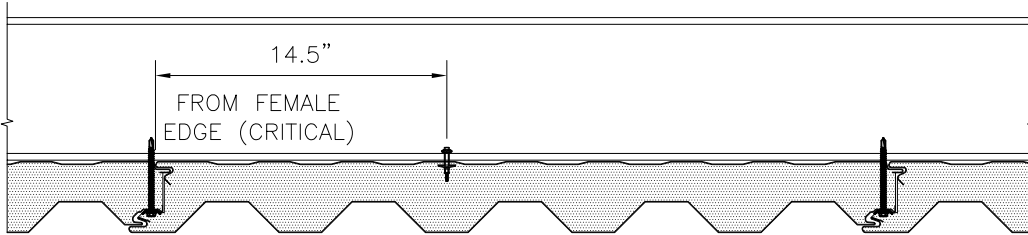
Panel Type <sup>2</sup>	Span Condition	Design Criteria <sup>7,8,9,10</sup>	Support Span												
			4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft	13 ft	14 ft	15 ft	
2.5" CF-7.2 Insul Rib	Two Spans	Bending and Shear	97.4	65.4	47.4	36.2	28.6	23.3	19.4	16.4	14.0	12.2	10.7	9.5	
		L/180	407.7	232.6	149.6	104.0	76.3	58.2	45.7	36.6	29.9	24.7	20.7	17.6	
		Pattern FP1	27.2	24.2	22.2	20.7	19.6	18.8	18.1	16.4	14.0	12.2	10.7	9.5	
		Pattern FP2	35.2	28.2	23.5										
		Pattern FP3	51.1	40.9	34.1	29.2	25.5	22.6	19.4						
	Pattern FP11	97.4	65.4	47.4	36.2	28.6	23.3	19.4	16.4	14.0	12.2	10.7	9.5		
	Three or More Spans	Bending and Shear	115.4	76.8	55.4	42.2	33.4	27.2	22.6	19.2	16.5	14.4	12.6	11.2	
		L/180	356.4	207.0	134.4	93.8	68.8	52.2	40.8	32.5	26.4	21.7	18.1	15.2	
		Pattern FP1	30.4	27.1	24.8	23.2	22.0	21.0	20.3	19.2	16.5	14.4	12.6	11.2	
		Pattern FP2	39.3	31.5	26.2										
Pattern FP3		57.1	45.7	38.1	32.6	28.6	25.4	22.6							
Pattern FP11	115.4	76.8	55.4	42.2	33.4	27.2	22.6	19.2	16.5	14.4	12.6	11.2			
3" CF-7.2 Insul Rib	Two Spans	Bending and Shear	101.7	69.3	51.0	39.3	31.5	25.8	21.6	18.4	15.9	13.9	12.3	10.9	
		L/180	431.8	251.8	165.5	117.6	88.0	68.4	54.6	44.5	36.9	31.0	26.3	22.5	
		Pattern FP1	42.7	36.0	31.4	28.2	25.7	23.8	21.6	18.4	15.9	13.9	12.3	10.9	
		Pattern FP2													
		Pattern FP3	57.8	46.3	38.6	33.1	28.9	25.6							
	Pattern FP11	101.7	69.3	51.0	39.3	31.5	25.8	21.6	18.4	15.9	13.9	12.3	10.9		
	Three or More Spans	Bending and Shear	119.1	80.2	58.5	45.0	36.0	29.6	24.8	21.2	18.4	16.1	14.2	12.7	
		L/180	384.1	228.7	152.2	108.7	81.4	63.1	50.2	40.7	33.6	28.0	23.6	20.1	
		Pattern FP1	47.5	39.9	34.9	31.3	28.6	26.5	24.8	21.2	18.4	16.1	14.2	12.7	
		Pattern FP2													
Pattern FP3		64.3	51.4	42.9	36.7	32.1	28.5								
Pattern FP11	116.2	80.2	58.5	45.0	36.0	29.6	24.8	21.2	18.4	16.1	14.2	12.7			
4" CF-7.2 Insul Rib	Two Spans	Bending and Shear	107.7	75.0	56.3	44.2	35.9	29.9	25.3	21.8	19.0	16.7	14.9	13.3	
		L/180	466.5	280.1	189.3	138.1	106.1	84.5	69.1	57.6	48.8	41.8	36.2	31.6	
		Pattern FP1	48.1	40.0	34.4	30.4	27.4	25.0	23.0	21.5	19.0	16.7	14.9	13.3	
		Pattern FP2	54.1	43.5	36.3	31.1									
		Pattern FP3	71.1	57.2	47.8	41.0	35.8	29.9	25.3	21.8					
	Pattern FP11	105.5	75.0	56.3	44.2	35.9	29.9	25.3	21.8	19.0	16.7	14.9	13.3		
	Three or More Spans	Bending and Shear	124.5	85.3	63.2	49.3	40.0	33.2	28.2	24.3	21.3	18.8	16.7	15.0	
		L/180	423.2	260.1	178.5	131.3	101.3	80.7	65.9	54.8	46.2	39.4	33.9	29.5	
		Pattern FP1	53.2	44.0	37.8	33.4	30.1	27.5	25.4	23.7	21.3	18.8	16.7	15.0	
		Pattern FP2	59.8	47.9	39.9	34.2									
Pattern FP3		78.6	62.9	52.5	44.9	39.3	33.2	28.2	24.3						
Pattern FP11	116.6	85.3	63.2	49.3	40.0	33.2	28.2	24.3	21.3	18.8	16.7	15.0			
5" CF-7.2 Insul Rib	Two Spans	Bending and Shear	114.8	81.4	62.0	49.3	40.5	34.0	29.0	25.2	22.1	19.5	17.4	15.7	
		L/180	514.2	317.9	220.5	164.5	128.8	104.3	86.6	73.2	62.8	54.5	47.7	42.1	
		Pattern FP1	48.6	40.4	34.9	30.8	27.7	25.3	23.3	21.7	20.4	18.7	17.3	15.7	
		Pattern FP2	54.6	44.0	36.8	31.6									
		Pattern FP3	71.9	57.9	48.4	41.5	36.3	32.1	28.8	25.2	22.1	19.5	17.4		
	Pattern FP11	106.6	81.4	62.0	49.3	40.5	34.0	29.0	25.2	22.1	19.5	17.4	15.7		
	Three or More Spans	Bending and Shear	131.0	91.1	68.5	54.1	44.2	37.1	31.7	27.5	24.2	21.5	19.3	17.4	
		L/180	475.0	300.4	211.3	158.9	125.0	101.4	84.1	71.0	60.8	52.5	45.8	40.2	
		Pattern FP1	53.3	44.1	37.9	33.5	30.2	27.6	25.5	23.8	22.4	20.6	19.1	17.4	
		Pattern FP2	60.0	48.1	40.0	34.3									
Pattern FP3		78.9	63.2	52.7	45.1	39.4	35.0	31.5	27.5	24.2	21.5	19.3			
Pattern FP11	117.0	91.1	68.5	54.1	44.2	37.1	31.7	27.5	24.2	21.5	19.3	17.4			
6" CF-7.2 Insul Rib	Two Spans	Bending and Shear	121.1	87.1	67.1	53.9	44.6	37.7	32.4	28.2	24.8	22.0	19.7	17.8	
		L/180	559.5	353.9	250.2	189.7	150.6	123.4	103.6	88.4	76.6	67.0	59.1	52.6	
		Pattern FP1	49.0	40.8	35.3	31.2	28.0	25.6	23.6	21.9	20.6	18.9	17.5	16.3	
		Pattern FP2	55.1	44.5	37.2	31.9									
		Pattern FP3	72.5	58.5	48.9	42.0	36.7	32.5	29.1	26.4	24.1	22.0	19.7	17.8	
	Pattern FP11	107.5	86.8	67.1	53.9	44.6	37.7	32.4	28.2	24.8	22.0	19.7	17.8		
	Three or More Spans	Bending and Shear	136.8	96.4	73.1	58.3	48.0	40.5	34.8	30.3	26.8	23.9	21.5	19.4	
		L/180	523.4	338.1	242.1	185.0	147.5	121.2	101.7	86.8	75.0	65.4	57.5	51.0	
		Pattern FP1	53.5	44.3	38.1	33.6	30.3	27.7	25.6	23.8	22.4	20.7	19.2	17.9	
		Pattern FP2	60.2	48.2	40.2	34.4									
Pattern FP3		79.1	63.4	52.9	45.3	39.6	35.1	31.6	28.7	26.3	23.9	21.5	19.4		
Pattern FP11	117.4	94.1	73.1	58.3	48.0	40.5	34.8	30.3	26.8	23.9	21.5	19.4			

**Notes:**

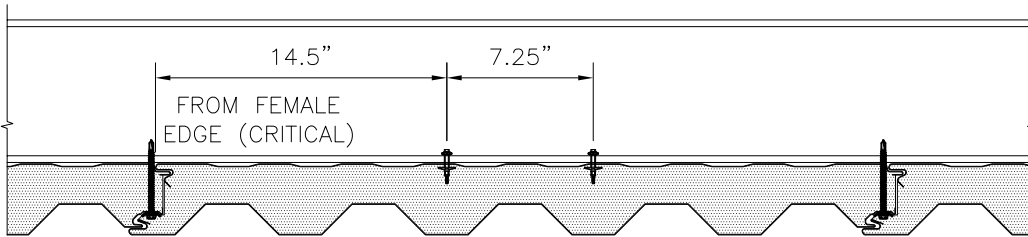
- The Load Span Table above is based on Allowable Stress Design (ASD). For loads calculated based on ASCE 7-10 (LRFD), please refer to section 2.4.1 of ASCE 7-10 for the applicable load combinations using Allowable Stress Design.
- Panel thickness includes rib height.
- Allowable positive or inward load is the lowest value of the panel bending and shear strength or deflection limit.
- Allowable suction or outward load is the lowest value of the panel bending and shear strength, deflection limit and connection strength for each fastener pattern. The numbers have been reduced to reflect the lowest value.
- Loads based on panel stress, deflection and connection design criteria are derived from ASTM E-72 testing.
- Allowable loads are calculated with a factor of safety of 2.5 for bending, 3.0 for shear and 2.0 for connection.
- Pattern FP1 is based on clip with (2) ¼"-14 Tek III's in minimum 16 ga. steel.
- Pattern FP2 is based on FP1 and (1) blind rivet in minimum 16 ga. steel.
- Pattern FP3 is based on FP1 and (2) blind rivets in minimum 16 ga. steel.
- Pattern FP11 is based on five (7.2" on center, low cell of product), ¼"-14 Tek III's with 5/8" neoprene bonded washer in minimum 14 ga. steel.
- The structural capacity of the girts are not considered and must be examined independently.



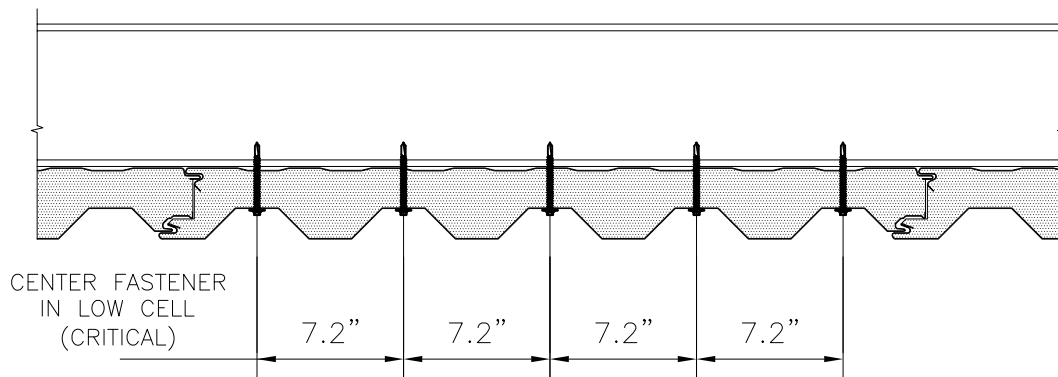
**FP1** FASTENING PATTERN 1 SIDE JOINT FASTENING  
REQUIRES TWO SELF-DRILLING OR SELF TAPPING SCREWS



**FP2 (7.2)** FASTENING PATTERN - FP3 (7.2) SIDE JOINT FASTENING  
REQUIRES TWO SELF-DRILLING OR SELF TAPPING SCREWS PLUS ONE BLIND RIVET



**FP3 (7.2)** FASTENING PATTERN - FP3 (7.2) SIDE JOINT FASTENING  
REQUIRES TWO SELF-DRILLING OR SELF TAPPING SCREWS PLUS TWO BLIND RIVETS



**FP11** FASTENING PATTERN 11 WITH FIVE SELF TAPPING SCREWS CENTER IN LOW CELLS WITH MIN. 20 GA. NEOPRENE BONDED WASHER

(CONSULT METL-SPAN FOR FASTENER REQUIREMENTS NEEDED TO MEET SPECIFIC LOAD REQUIREMENTS)

7.2 INSUL-RIB <sup>TM</sup>  
FASTENING PATTERNS

APPLICATION:  
FASTENING

**FP 1, 2, 3 & 11**

DATE: MAY 15, 2015