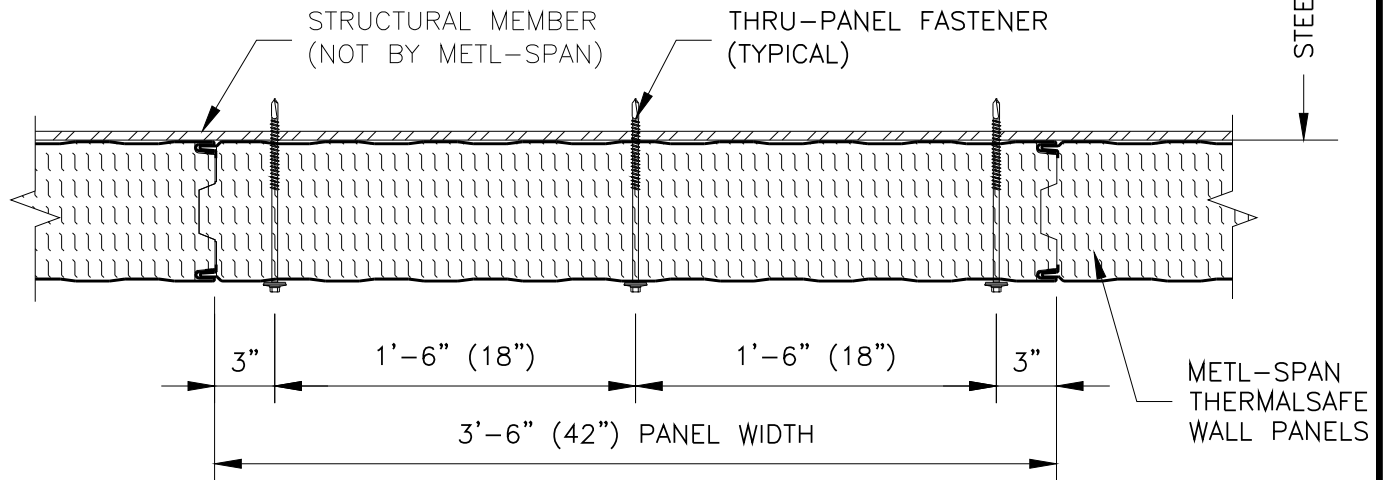


**Metl-Span ThermalSafe Wall Panel System**  
**26 Ga. Exterior / 26 Ga. Interior Facings**  
**Single Span Condition**

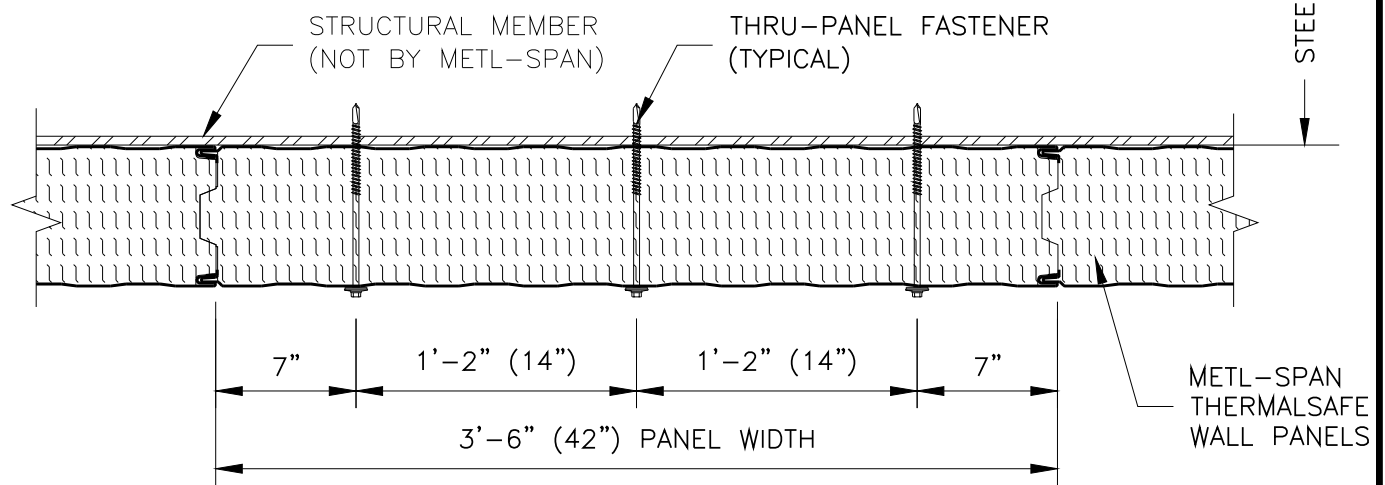
TS Panel	Design Criteria	LSD (Limit State Design), PSF											
		Panel Span (ft)											
		5	6	7	8	9	10	11	12	13	14	15	16
3" Thick	Bending & Shear	74.8	62.3	53.4	46.8	41.6	37.4	34.0	31.2	28.8	26.7	24.9	22.4
	Deflection (L/240)	85.2	65.9	52.0	41.7	33.9	27.8	23.0	19.2	16.2	13.7	11.7	10.1
	Connection F1	73.2	61.0	52.3	45.7	40.6	36.6	33.3	30.5	28.1	26.1	24.4	22.4
4" Thick	Bending & Shear	94.8	79.0	67.7	59.3	52.7	47.4	43.1	39.5	36.5	33.9	31.6	28.9
	Deflection (L/240)	114.1	89.9	72.3	59.1	48.9	40.8	34.4	29.2	24.9	21.4	18.5	16.0
	Connection F1	87.1	72.6	62.2	54.4	48.4	43.5	39.6	36.3	33.5	31.1	29.0	27.2
5" Thick	Bending & Shear	112.0	93.4	80.0	70.0	62.2	56.0	50.9	46.7	43.1	40.0	37.3	34.9
	Deflection (L/240)	140.1	111.7	91.0	75.4	63.2	53.4	45.6	39.1	33.7	29.3	25.5	22.4
	Connection F1	101.4	84.5	72.4	63.4	56.3	50.7	46.1	42.2	39.0	36.2	33.8	31.7
6" Thick	Bending & Shear	125.3	104.5	89.5	78.3	69.6	62.7	57.0	52.2	48.2	44.8	41.8	39.2
	Deflection (L/240)	162.4	130.5	107.4	89.8	76.0	65.0	55.9	48.5	42.2	37.0	32.5	28.7
	Connection F1	115.6	96.4	82.6	72.3	64.2	57.8	52.6	48.2	44.5	41.3	38.5	36.1
7" Thick	Bending & Shear	146.5	122.1	104.6	91.5	81.4	73.2	66.6	61.0	56.3	52.3	48.8	45.8
	Deflection (L/240)	192.0	155.1	128.3	107.9	91.8	78.9	68.4	59.6	52.2	45.9	40.6	36.0
	Connection F1	129.9	108.3	92.8	81.2	72.2	65.0	59.1	54.1	50.0	46.4	43.3	40.6
8" Thick	Bending & Shear	167.6	139.7	119.7	104.7	93.1	83.8	76.2	69.8	64.5	59.9	55.9	52.4
	Deflection (L/240)	221.7	179.7	149.3	126.1	107.8	93.1	81.0	70.9	62.4	55.2	49.0	43.6
	Connection F1	129.9	108.3	92.8	81.2	72.2	65.0	59.1	54.1	50.0	46.4	43.3	40.6

**Notes**

1. Based on ThermalSafe panel with 26 ga. exterior & 26 ga. interior face (min Fy = 33 ksi). The panel span is single span condition.
2. Factored resistance inward load is the lowest value of panel bending, shear, and deflection resistances.
3. Factored resistance outward load is the lowest value of panel bending, shear, deflection, and connection resistances for each fastener pattern.
4. Loads based on panel stress and deflection design criteria are derived from ASTM E-72 testing. The factored resistance loads are calculated with resistance factor of 0.5 and 0.4 for bending and shear stresses, respectively.
5. The panel and its connection strength was determined from ASTM E1592 testing and the factored resistance loads are calculated with resistance factor of 0.7.
6. Specified loads should not exceed the deflection load for L/240 limit.
7. Based on attachment with 14 ga. steel girt with fastener spacing 3"-18"-18"-3" across panel width
8. The structural capacity of the girts are not considered and must be examined independently.



END CONDITION



INTERMEDIATE CONDITION

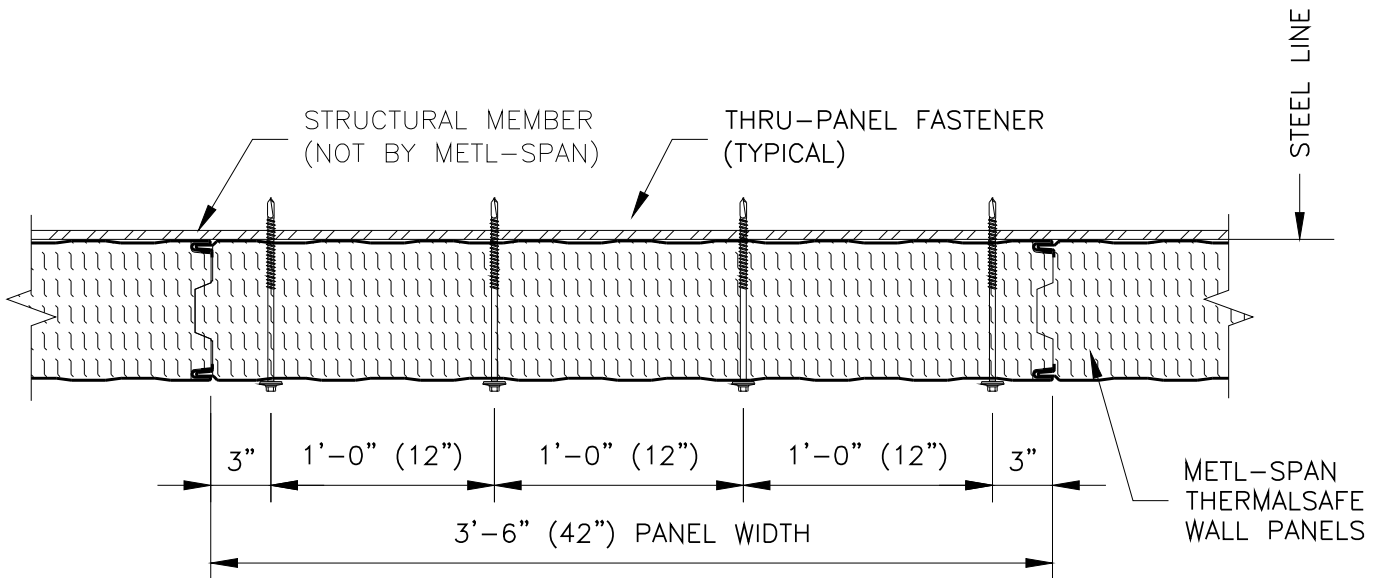
VERTICAL PANEL – THRU PANEL FASTENER PATTERNS  
TSFP1

NOTE: FASTENER PATTERN TO BE DETERMINED PER SPECIFIC PROJECT DESIGN REQUIREMENTS.

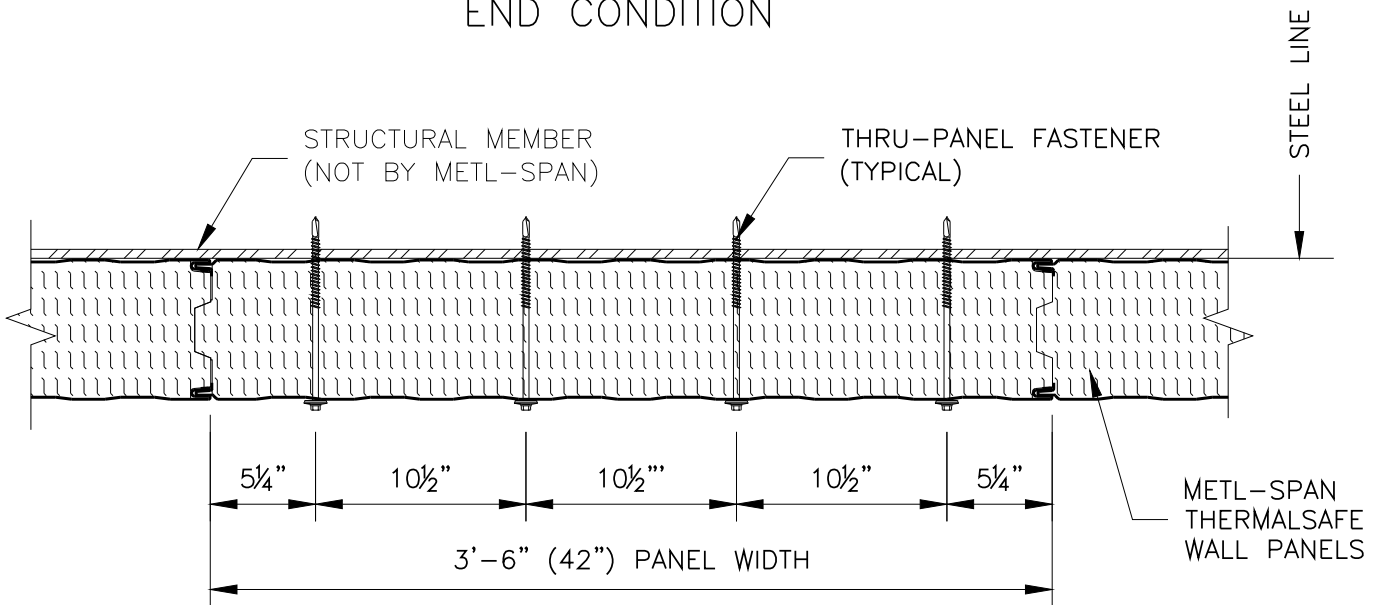
COMMERCIAL AND  
INDUSTRIAL

FASTENER PATTERNS TSFP1  
THERMALS SAFE PANEL

TSW03010  
DATE: 01-12-2016



END CONDITION



INTERMEDIATE CONDITION

VERTICAL PANEL – THRU PANEL FASTENER PATTERNS  
TSFP2

NOTE: FASTENER PATTERN TO BE DETERMINED PER SPECIFIC PROJECT DESIGN REQUIREMENTS.

COMMERCIAL AND  
INDUSTRIAL

FASTENER PATTERNS TSFP2  
THERMALS SAFE PANEL

TSW03011  
DATE: 01-12-2016