



CERTIFICATION

6300 Enterprise Lane | Madison, WI 53719 | drjcertification.org



ThermalSafe Mineral Wool Wall Panels, 2026 FBC Compliance, FL46680 - ENG-2607-331
October 19, 2026

Mr. Mark Klos
Metl-Span, a Nucor Company
700 State Highway 121 Bypass
Suite 200
Lewisville, TX 75057

Re: ThermalSafe Mineral Wool Wall Panels, 2026 Florida Building Code Compliance^{1,2,3,4}

Dear Mr. Klos:

DrJ Engineering, LLC (DrJ) has been asked to provide a Florida professional engineering accepted engineering practice review with respect to ThermalSafe Mineral Wool Wall Panels. This work has been performed pursuant to our areas of expertise. The purpose of the DrJ review is to provide an engineering assessment of the conformance of the ThermalSafe Mineral Wool Wall Panels with the 2026 Florida Building Code (FBC).

Standard (non-HVHZ) Applications

ThermalSafe Mineral Wool Wall Panels conform to Section 1403, Section 1404, Section 1405, Section 1406, and Section 1412 of the 2026 FBC.

ThermalSafe Mineral Wool Wall Panels and/or their components have been tested to and comply with the following standards:

- ASTM A653- Galvanized coated steel
- ASTM E283- Air barrier
- ASTM E331- Water resistance
- ASTM E330- Wind pressure resistance.
- ASTM E84- Flame Spread and Smoke Developed Indices
- NFPA 285- Vertical and Lateral Flame Propagation
- NFPA 286- Interior Room Corner Burn Testing

ThermalSafe panels have a rigid mineral wool board core where the mineral wool board has been sliced into lamellae and had its fibers aligned perpendicular to two steel facers. The nominal core density is 8.5 pcf and meets the requirements of ASTM E84. The steel facers are made from galvanized coated steel or Galvalume® AZ50 coated steel (minimum 33 ksi) and have a thickness of 24 ga or 26 ga. This thickness meets the weather protection requirements in Section 1405.2 and Section 1406.2.1.1 in the FBC. The available thicknesses of the ThermalSafe panels are 3", 4", 5", 6", 7", and 8". The panels have a modular coverage width of 42" or 43".

Section 1412, Insulated Metal Panel (IMP), is new to the Ninth Edition of the FBC. Section 1412.2 requires IMP systems to be designed for the loads of Chapter 16 and Section 1412.3 requires weather resistance in accordance with Section 1403. Where an exterior wall is required by Section 705 to have a fire-resistance rating, Section 1412.5 requires evidence of that rating for the specific assembly to be submitted to the building official.

Panels must be attached to supports that are a minimum of 16 ga steel (minimum $F_y = 50$ ksi). Panels shall be fastened through the supports to the framing members using $\frac{1}{4}$ "-14 Type 3 hex head self-drilling screws and $\frac{5}{8}$ " diameter neoprene bonded washers. Fasteners must be long enough to penetrate through the support at least 3 threads. For 12 ga



THE QUALTIM FAMILY OF SERVICES

Where building innovation thrives.

Nucor Insulated Panel Group, Inc. ThermalSafe Panels ENG-2607-331

Information contained in this report was developed using report holder's confidential intellectual property (IP) and trade secrets (TS), as protected by Defend Trade Secrets Act 2016

© 2026 DrJ Engineering, LLC

This Research Report, created by an Approved Source, is valid through October 1, 2030.



or thicker supports a 1/4"-20 or 1/4"-28 Type 5 self-drilling screws may be used instead. Self-tapping screws may be used as well. All fasteners must be corrosion resistant. When installed within 3000 ft of a saltwater coastline all fasteners and connectors used during installation shall meet the requirements of FBC Section 1711 for corrosion resistance based on the specific location of the project. Fasteners must be placed in one of the standard schedules of TSFP1, TSFP2, TSFPMAX or TSFP3 (See Figure 2). TSFP1, TSFP2, and TSFPMAX schedules maximum outward transverse loads for different spans can be found in **Table 1** through **Table 9**. TSFP3 is a non-exposed fastened schedule and as such the maximum outward transverse loads for different spans can be found in **Table 10** through **Table 12**. The maximum inward transverse loads for different spans of this product can be found in **Table 13** through **Table 15**. These tables conform to the requirements of the FBC.

Table 1. Allowable Outward Loads for a Through-Fastened 42" or 43" 26Ga/26Ga ThermalSafe Wall Panels Using 12 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fasteners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
3"	1	3	97	73	58	49	42	36	29	25	17	13
		4	97	73	58	49	42	36	29	25	17	13
		5	97	73	58	49	42	36	29	25	17	13
	2	3	90	66	52	42	36	31	27	24	20	17
		4	94	69	54	44	37	32	28	25	20	17
		5	94	69	54	44	37	32	28	25	20	17
	3+	3	91	67	53	44	37	33	29	26	21	17
		4	94	70	55	46	39	34	30	27	22	17
		5	94	70	55	46	39	34	30	27	22	17
4"	1	3	124	93	74	62	53	46	41	36	27	20
		4	124	93	74	62	53	46	41	36	27	20
		5	124	93	74	62	53	46	41	36	27	20
	2	3	92	67	53	43	36	31	28	25	20	17
		4	120	88	69	57	48	41	36	32	26	22
		5	120	88	69	57	48	41	36	32	26	22
	3+	3	93	69	55	45	38	33	30	27	22	19
		4	121	89	71	58	50	43	38	34	29	24
		5	121	89	71	58	50	43	38	34	29	24
5"	1	3	132	99	79	66	56	49	44	40	33	27
		4	143	107	86	71	61	54	48	43	36	27
		5	143	107	86	71	61	54	48	43	36	27
	2	3	95	70	55	45	38	33	29	26	21	18
		4	127	94	74	60	51	44	39	34	28	24
		5	139	103	81	66	56	48	42	38	31	26
	3+	3	96	71	56	46	39	34	30	27	23	19

Table 1. Allowable Outward Loads for a Through-Fastened 42" or 43" 26Ga/26Ga ThermalSafe Wall Panels Using 12 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fasteners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
6"		4	127	95	75	62	53	46	41	36	30	26
		5	140	104	82	68	58	50	44	40	33	28
	1	3	137	103	82	69	59	51	46	41	34	29
		4	162	122	97	81	70	61	54	49	41	32
		5	162	122	97	81	70	61	54	49	41	32
	2	3	98	72	57	47	39	34	30	27	22	18
		4	130	96	76	62	53	45	40	35	29	24
		5	159	118	93	76	64	55	49	43	35	30
	3+	3	98	73	58	48	40	35	31	28	23	20
		4	130	97	77	63	54	47	41	37	31	26
		5	159	118	94	77	66	57	51	45	38	32
	7"	1	3	142	107	85	71	61	53	47	43	36
			4	190	142	114	95	81	71	63	57	41
			5	212	159	127	106	91	79	71	64	53
		2	3	100	74	59	49	41	36	32	29	24
			4	134	99	79	65	55	48	43	38	32
			5	167	124	98	81	69	60	53	48	39
		3+	3	100	74	59	49	41	36	32	29	24
			4	134	99	79	65	55	48	43	38	32
			5	167	124	98	81	69	60	53	48	39
8"	1	3	147	111	88	74	63	55	49	44	37	32
		4	196	147	118	98	84	74	65	59	49	42
		5	246	184	147	123	105	92	82	74	61	53
	2	3	102	76	60	49	42	36	32	28	23	19
		4	136	101	80	66	56	48	42	37	31	26
		5	170	126	100	82	69	60	53	47	38	32
	3+	3	102	76	60	50	42	37	33	29	24	21
		4	136	101	80	66	57	49	43	39	32	27
		5	170	127	101	83	71	61	54	49	40	34



Table 1. Allowable Outward Loads for a Through-Fastened 42" or 43" 26Ga/26Ga ThermalSafe Wall Panels Using 12 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fas-teners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection. 2. Allowable outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width requirements 3. Limit states do not consider the effects of thermal load in combination with wind loads 4. Deflection limit of L/240 5. Structural capacity of the panel supports is not considered in this table 6. Please contact Metl-Span Engineering for additional information and assistance												

Table 2. Allowable Outward Loads for a Through-Fastened 42" or 43" 26Ga/26Ga ThermalSafe Wall Panels Using 14 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fasteners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
3"	1	3	97	73	58	49	42	36	29	25	17	13
		4	97	73	58	49	42	36	29	25	17	13
		5	97	73	58	49	42	36	29	25	17	13
	2	3	90	66	52	42	36	31	27	24	20	17
		4	94	69	54	44	37	32	28	25	20	17
		5	94	69	54	44	37	32	28	25	20	17
	3+	3	91	67	53	44	37	33	29	26	21	17
		4	94	70	55	46	39	34	30	27	22	17
		5	94	70	55	46	39	34	30	27	22	17
4"	1	3	124	93	74	62	53	46	41	36	27	20
		4	124	93	74	62	53	46	41	36	27	20
		5	124	93	74	62	53	46	41	36	27	20
	2	3	92	67	53	43	36	31	28	25	20	17
		4	120	88	69	57	48	41	36	32	26	22
		5	120	88	69	57	48	41	36	32	26	22
	3+	3	93	69	55	45	38	33	30	27	22	19
		4	121	89	71	58	50	43	38	34	29	24
		5	121	89	71	58	50	43	38	34	29	24
5"	1	3	132	99	79	66	56	49	44	40	33	27
		4	143	107	86	71	61	54	48	43	36	27
		5	143	107	86	71	61	54	48	43	36	27
	2	3	94	69	55	45	38	33	29	25	21	18
		4	125	92	73	60	50	43	38	34	28	23
		5	139	103	81	66	56	48	42	38	31	26
	3+	3	94	70	55	46	39	34	30	27	22	19
		4	126	93	74	61	52	45	40	36	30	25
		5	140	104	82	68	58	50	44	40	33	28
6"	1	3	137	103	82	69	59	51	46	41	34	29
		4	162	122	97	81	70	61	54	49	41	32
		5	162	122	97	81	70	61	54	49	41	32
	2	3	94	70	55	45	38	33	29	26	21	18
		4	126	93	73	60	51	44	38	34	28	24

Table 2. Allowable Outward Loads for a Through-Fastened 42" or 43" 26Ga/26Ga ThermalSafe Wall Panels Using 14 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fas-teners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
		5	157	116	92	75	63	55	48	43	35	29
	3+	3	94	70	56	46	39	34	30	27	22	19
		4	126	94	74	61	52	45	40	36	30	25
		5	157	117	93	77	65	57	50	45	37	32
7"	1	3	142	107	85	71	61	53	47	43	36	30
		4	190	142	114	95	81	71	63	57	47	41
		5	212	159	127	106	91	79	71	64	53	42
	2	3	95	70	56	46	39	34	30	27	22	19
		4	126	94	74	61	52	45	40	36	30	25
		5	158	117	93	77	65	57	50	45	37	32
	3+	3	95	70	56	46	39	34	30	27	22	19
		4	126	94	74	61	52	45	40	36	30	25
		5	158	117	93	77	65	57	50	45	37	32
8"	1	3	147	111	88	74	63	55	49	44	37	32
		4	196	147	118	98	84	74	65	59	49	42
		5	246	184	147	123	105	92	82	74	61	53
	2	3	95	70	56	46	39	33	29	26	21	18
		4	126	94	74	61	51	44	39	35	28	24
		5	158	117	93	76	64	56	49	43	35	30
	3+	3	95	71	56	46	39	34	30	27	22	19
		4	126	94	75	62	52	46	40	36	30	25
		5	158	118	93	77	66	57	50	45	37	32
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection. 2. Allowable outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width require-ments 3. Limit states do not consider the effects of thermal load in combination with wind loads 4. Deflection limit of L/240 5. Structural capacity of the panel supports is not considered in this table 6. Please contact Metl-Span Engineering for additional information and assistance												

Table 3. Allowable Outward Loads for a Through-Fastened 42" or 43" 26Ga/26Ga ThermalSafe Wall Panels Using 16 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fasteners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
3"	1	3	97	73	58	49	42	36	29	25	17	13
		4	97	73	58	49	42	36	29	25	17	13
		5	97	73	58	49	42	36	29	25	17	13
	2	3	74	54	43	35	29	25	22	20	16	14
		4	94	69	54	44	37	32	28	25	20	17
		5	94	69	54	44	37	32	28	25	20	17
	3+	3	75	55	44	36	31	27	24	21	18	15
		4	94	70	55	46	39	34	30	27	22	17
		5	94	70	55	46	39	34	30	27	22	17
4"	1	3	124	93	74	62	53	46	41	36	27	20
		4	124	93	74	62	53	46	41	36	27	20
		5	124	93	74	62	53	46	41	36	27	20
	2	3	75	55	43	35	30	26	23	20	16	14
		4	100	73	58	47	40	34	30	27	22	19
		5	120	88	69	57	48	41	36	32	26	22
	3+	3	75	56	44	36	31	27	24	21	18	15
		4	100	74	59	49	41	36	32	29	24	20
		5	121	89	71	58	50	43	38	34	29	24
5"	1	3	132	99	79	66	56	49	44	40	33	27
		4	143	107	86	71	61	54	48	43	36	27
		5	143	107	86	71	61	54	48	43	36	27
	2	3	75	55	44	36	30	26	23	20	17	14
		4	100	74	58	48	40	35	30	27	22	19
		5	125	92	73	60	50	43	38	34	28	23
	3+	3	75	56	44	37	31	27	24	21	18	15
		4	101	75	59	49	42	36	32	29	24	20
		5	126	93	74	61	52	45	40	36	30	25
6"	1	3	137	103	82	69	59	51	46	41	34	29
		4	162	122	97	81	70	61	54	49	41	32
		5	162	122	97	81	70	61	54	49	41	32
	2	3	75	56	44	36	30	26	23	21	17	14
		4	101	74	59	48	41	35	31	27	22	19

Table 3. Allowable Outward Loads for a Through-Fastened 42" or 43" 26Ga/26Ga ThermalSafe Wall Panels Using 16 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fas-teners	Support Spacing (ft)										
			3	4	5	6	7	8	9	10	12	14	
		5	126	93	73	60	51	44	38	34	28	24	
	3+	3	76	56	44	37	31	27	24	22	18	15	
		4	101	75	59	49	42	36	32	29	24	20	
		5	126	94	74	61	52	45	40	36	30	25	
7"	1	3	142	107	85	71	61	53	47	43	36	30	
		4	190	142	114	95	81	71	63	57	47	41	
		5	212	159	127	106	91	79	71	64	53	42	
	2	3	76	56	45	37	31	27	24	22	18	15	
		4	101	75	59	49	42	36	32	29	24	20	
		5	126	94	74	61	52	45	40	36	30	25	
	3+	3	76	56	45	37	31	27	24	22	18	15	
		4	101	75	59	49	42	36	32	29	24	20	
		5	126	94	74	61	52	45	40	36	30	25	
	8"	1	3	147	111	88	74	63	55	49	44	37	32
			4	196	147	118	98	84	74	65	59	49	42
			5	246	184	147	123	105	92	82	74	61	53
2		3	76	56	44	37	31	27	23	21	17	14	
		4	101	75	59	49	41	36	31	28	23	19	
		5	126	94	74	61	51	44	39	35	28	24	
3+		3	76	56	45	37	31	27	24	22	18	15	
		4	101	75	60	49	42	36	32	29	24	20	
		5	126	94	75	62	52	46	40	36	30	25	
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection. 2. Allowable outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width require-ments 3. Limit states do not consider the effects of thermal load in combination with wind loads 4. Deflection limit of L/240 5. Structural capacity of the panel supports is not considered in this table 6. Please contact Metl-Span Engineering for additional information and assistance													

Table 4. Allowable Outward Loads for a Through-Fastened 42" or 43" 24Ga/24Ga ThermalSafe Wall Panels Using 12 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fasteners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
3"	1	3	99	74	60	50	43	37	32	27	20	15
		4	99	74	60	50	43	37	32	27	20	15
		5	99	74	60	50	43	37	32	27	20	15
	2	3	96	70	55	45	38	33	29	26	21	18
		4	96	71	56	46	38	33	29	26	21	18
		5	96	71	56	46	38	33	29	26	21	18
	3+	3	96	71	56	47	40	34	31	27	23	19
		4	97	72	57	47	40	35	31	28	23	19
		5	97	72	57	47	40	35	31	28	23	19
4"	1	3	136	102	82	68	58	51	45	40	30	23
		4	136	102	82	68	58	51	45	40	30	23
		5	136	102	82	68	58	51	45	40	30	23
	2	3	102	75	59	48	41	35	31	27	22	19
		4	133	98	77	63	53	46	40	36	29	25
		5	133	98	77	63	53	46	40	36	29	25
	3+	3	103	76	61	50	43	37	33	29	24	21
		4	133	99	78	65	55	48	42	38	31	27
		5	133	99	78	65	55	48	42	38	31	27
5"	1	3	138	103	83	69	59	52	46	41	34	30
		4	174	131	105	87	75	65	58	52	40	31
		5	174	131	105	87	75	65	58	52	40	31
	2	3	110	81	64	53	44	38	34	30	24	21
		4	146	108	85	70	59	51	45	40	33	28
		5	171	127	100	82	69	60	52	47	38	32
	3+	3	110	82	65	54	46	40	35	31	26	22
		4	147	109	86	71	61	53	47	42	35	30
		5	171	127	101	83	71	62	55	49	40	35
6"	1	3	139	104	83	69	60	52	46	42	35	30
		4	185	139	111	93	79	69	62	56	46	39
		5	219	164	131	110	94	82	73	65	50	39
	2	3	116	86	68	56	47	41	36	32	26	22
		4	155	115	91	75	63	55	48	43	35	29

Table 4. Allowable Outward Loads for a Through-Fastened 42" or 43" 24Ga/24Ga ThermalSafe Wall Panels Using 12 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fas-teners	Support Spacing (ft)										
			3	4	5	6	7	8	9	10	12	14	
		5	194	144	114	94	79	68	60	53	44	37	
	3+	3	117	87	69	57	48	42	37	33	28	23	
		4	155	116	92	76	64	56	50	44	37	31	
		5	194	144	115	95	81	70	62	56	46	39	
7"	1	3	141	105	84	70	60	53	47	42	35	30	
		4	188	141	113	94	80	70	63	56	47	40	
		5	234	175	140	117	100	88	78	70	58	48	
	2	3	123	92	73	60	51	45	39	35	29	25	
		4	165	122	97	80	68	59	53	47	39	33	
		5	206	153	121	100	85	74	66	59	49	41	
	3+	3	123	92	73	60	51	45	39	35	29	25	
		4	165	122	97	80	68	59	53	47	39	33	
		5	206	153	121	100	85	74	66	59	49	41	
	8"	1	3	142	107	85	71	61	53	47	43	36	30
			4	190	142	114	95	81	71	63	57	47	41
			5	237	178	142	119	102	89	79	71	59	51
2		3	130	97	77	63	53	46	41	36	30	25	
		4	173	129	102	84	71	62	54	48	39	33	
		5	217	161	128	105	89	77	68	60	49	42	
3+		3	130	97	77	64	54	47	42	37	31	26	
		4	174	129	103	85	72	63	56	50	41	35	
		5	217	162	128	106	90	79	69	62	51	44	
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection. 2. Allowable outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width require-ments 3. Limit states do not consider the effects of thermal load in combination with wind loads 4. Deflection limit of L/240 5. Structural capacity of the panel supports is not considered in this table 6. Please contact Metl-Span Engineering for additional information and assistance													

Table 5. Allowable Outward Loads for a Through-Fastened 42" or 43" 24Ga/24Ga ThermalSafe Wall Panels Using 14 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fasteners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
3"	1	3	99	74	60	50	43	37	32	27	20	15
		4	99	74	60	50	43	37	32	27	20	15
		5	99	74	60	50	43	37	32	27	20	15
	2	3	93	69	54	44	37	32	28	25	21	17
		4	96	71	56	46	38	33	29	26	21	18
		5	96	71	56	46	38	33	29	26	21	18
	3+	3	94	70	55	45	39	34	30	27	22	19
		4	97	72	57	47	40	35	31	28	23	19
		5	97	72	57	47	40	35	31	28	23	19
4"	1	3	136	102	82	68	58	51	45	40	30	23
		4	136	102	82	68	58	51	45	40	30	23
		5	136	102	82	68	58	51	45	40	30	23
	2	3	94	69	55	45	38	33	29	25	21	18
		4	125	93	73	60	50	44	38	34	28	23
		5	133	98	77	63	53	46	40	36	29	25
	3+	3	94	70	55	46	39	34	30	27	22	19
		4	126	93	74	61	52	45	40	36	30	25
		5	133	99	78	65	55	48	42	38	31	27
5"	1	3	138	103	83	69	59	52	46	41	34	30
		4	174	131	105	87	75	65	58	52	40	31
		5	174	131	105	87	75	65	58	52	40	31
	2	3	94	70	55	45	38	33	29	26	21	18
		4	126	93	74	60	51	44	39	34	28	24
		5	157	117	92	76	64	55	48	43	35	30
	3+	3	95	70	56	46	39	34	30	27	22	19
		4	126	94	74	61	52	45	40	36	30	25
		5	158	117	93	77	65	57	50	45	37	32
6"	1	3	139	104	83	69	60	52	46	42	35	30
		4	185	139	111	93	79	69	62	56	46	39
		5	219	164	131	110	94	82	73	65	50	39
	2	3	95	70	56	46	39	33	29	26	21	18
		4	126	94	74	61	51	44	39	35	28	24

Table 5. Allowable Outward Loads for a Through-Fastened 42" or 43" 24Ga/24Ga ThermalSafe Wall Panels Using 14 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fasteners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
	3+	5	158	117	93	76	64	56	49	43	35	30
		3	95	71	56	46	39	34	30	27	22	19
		4	126	94	75	62	52	46	40	36	30	25
		5	158	118	93	77	66	57	50	45	37	32
7"	1	3	141	105	84	70	60	53	47	42	35	30
		4	188	141	113	94	80	70	63	56	47	40
		5	234	175	140	117	100	88	78	70	58	48
	2	3	95	71	56	46	39	34	30	27	22	19
		4	127	94	75	62	53	46	40	36	30	26
		5	158	118	94	77	66	57	51	45	37	32
	3+	3	95	71	56	46	39	34	30	27	22	19
		4	127	94	75	62	53	46	40	36	30	26
		5	158	118	94	77	66	57	51	45	37	32
	1	3	142	107	85	71	61	53	47	43	36	30
		4	190	142	114	95	81	71	63	57	47	41
		5	237	178	142	119	102	89	79	71	59	51
8"	2	3	95	71	56	46	39	34	30	26	22	18
		4	127	94	75	62	52	45	40	35	29	24
		5	158	118	93	77	65	56	50	44	36	30
	3+	3	95	71	56	47	40	34	30	27	23	19
		4	127	94	75	62	53	46	41	36	30	26
		5	159	118	94	78	66	57	51	45	38	32

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.
2. Allowable outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width requirements
3. Limit states do not consider the effects of thermal load in combination with wind loads
4. Deflection limit of L/240
5. Structural capacity of the panel supports is not considered in this table
6. Please contact Metl-Span Engineering for additional information and assistance

Table 6. Allowable Outward Loads for a Through-Fastened 42" or 43" 24Ga/24Ga ThermalSafe Wall Panels Using 16 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fasteners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
3"	1	3	99	74	60	50	43	37	32	27	20	15
		4	99	74	60	50	43	37	32	27	20	15
		5	99	74	60	50	43	37	32	27	20	15
	2	3	75	55	43	35	30	26	23	20	16	14
		4	96	71	56	46	38	33	29	26	21	18
		5	96	71	56	46	38	33	29	26	21	18
	3+	3	75	56	44	36	31	27	24	21	18	15
		4	97	72	57	47	40	35	31	28	23	19
		5	97	72	57	47	40	35	31	28	23	19
4"	1	3	136	102	82	68	58	51	45	40	30	23
		4	136	102	82	68	58	51	45	40	30	23
		5	136	102	82	68	58	51	45	40	30	23
	2	3	75	56	44	36	30	26	23	20	17	14
		4	100	74	58	48	40	35	31	27	22	19
		5	125	93	73	60	50	44	38	34	28	23
	3+	3	75	56	44	37	31	27	24	22	18	15
		4	101	75	59	49	42	36	32	29	24	20
		5	126	93	74	61	52	45	40	36	30	25
5"	1	3	138	103	83	69	59	52	46	41	34	30
		4	174	131	105	87	75	65	58	52	40	31
		5	174	131	105	87	75	65	58	52	40	31
	2	3	76	56	44	36	31	26	23	21	17	14
		4	101	75	59	48	41	35	31	27	22	19
		5	126	93	74	60	51	44	39	34	28	24
	3+	3	76	56	45	37	31	27	24	22	18	15
		4	101	75	59	49	42	36	32	29	24	20
		5	126	94	74	61	52	45	40	36	30	25
6"	1	3	139	104	83	69	60	52	46	42	35	30
		4	185	139	111	93	79	69	62	56	46	39
		5	219	164	131	110	94	82	73	65	50	39
	2	3	76	56	44	37	31	27	23	21	17	14
		4	101	75	59	49	41	36	31	28	23	19

Table 6. Allowable Outward Loads for a Through-Fastened 42" or 43" 24Ga/24Ga ThermalSafe Wall Panels Using 16 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fasteners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
	3+	5	126	94	74	61	51	44	39	35	28	24
		3	76	56	45	37	31	27	24	22	18	15
		4	101	75	60	49	42	36	32	29	24	20
		5	126	94	75	62	52	46	40	36	30	25
7"	1	3	141	105	84	70	60	53	47	42	35	30
		4	188	141	113	94	80	70	63	56	47	40
		5	234	175	140	117	100	88	78	70	58	48
	2	3	76	57	45	37	32	27	24	22	18	15
		4	101	75	60	49	42	37	32	29	24	20
		5	127	94	75	62	53	46	40	36	30	26
	3+	3	76	57	45	37	32	27	24	22	18	15
		4	101	75	60	49	42	37	32	29	24	20
		5	127	94	75	62	53	46	40	36	30	26
	1	3	142	107	85	71	61	53	47	43	36	30
		4	190	142	114	95	81	71	63	57	47	41
		5	237	178	142	119	102	89	79	71	59	51
8"	2	3	76	57	45	37	31	27	24	21	17	15
		4	101	75	60	49	42	36	32	28	23	19
		5	127	94	75	62	52	45	40	35	29	24
	3+	3	76	57	45	37	32	28	24	22	18	15
		4	102	76	60	50	42	37	32	29	24	20
		5	127	94	75	62	53	46	41	36	30	26

- Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.
- Allowable outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width requirements
- Limit states do not consider the effects of thermal load in combination with wind loads
- Deflection limit of L/240
- Structural capacity of the panel supports is not considered in this table
- Please contact Metl-Span Engineering for additional information and assistance

Table 7. Allowable Outward Loads for a Through-Fastened 42" or 43" 24Ga/26Ga ThermalSafe Wall Panels Using 12 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fasteners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
3"	1	3	97	73	58	49	42	36	31	26	19	14
		4	97	73	58	49	42	36	31	26	19	14
		5	97	73	58	49	42	36	31	26	19	14
	2	3	94	69	54	44	37	32	28	25	21	17
		4	94	69	54	44	37	32	28	25	21	17
		5	94	69	54	44	37	32	28	25	21	17
	3+	3	94	70	55	46	39	34	30	27	22	18
		4	94	70	55	46	39	34	30	27	22	18
		5	94	70	55	46	39	34	30	27	22	18
4"	1	3	123	93	74	62	53	46	41	37	28	21
		4	123	93	74	62	53	46	41	37	28	21
		5	123	93	74	62	53	46	41	37	28	21
	2	3	102	75	59	48	40	35	31	27	22	19
		4	120	89	70	57	48	41	36	32	26	22
		5	120	89	70	57	48	41	36	32	26	22
	3+	3	103	76	60	50	42	37	33	29	24	21
		4	121	89	71	59	50	43	38	34	29	24
		5	121	89	71	59	50	43	38	34	29	24
5"	1	3	138	103	83	69	59	52	46	41	34	28
		4	143	107	86	71	61	54	48	43	36	28
		5	143	107	86	71	61	54	48	43	36	28
	2	3	109	81	64	52	44	38	33	30	24	20
		4	140	103	81	67	56	49	43	38	31	26
		5	140	103	81	67	56	49	43	38	31	26
	3+	3	110	81	65	53	45	39	35	31	26	22
		4	140	104	82	68	58	50	45	40	33	28
		5	140	104	82	68	58	50	45	40	33	28
6"	1	3	139	104	83	69	60	52	46	42	35	30
		4	162	122	97	81	69	61	54	49	41	31
		5	162	122	97	81	69	61	54	49	41	31
	2	3	116	86	68	56	47	41	36	32	26	22
		4	155	115	90	74	63	54	48	42	35	29

Table 7. Allowable Outward Loads for a Through-Fastened 42" or 43" 24Ga/26Ga ThermalSafe Wall Panels Using 12 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fas-teners	Support Spacing (ft)										
			3	4	5	6	7	8	9	10	12	14	
		5	159	118	93	76	65	56	49	43	35	30	
	3+	3	116	86	69	57	48	42	37	33	27	23	
		4	155	115	91	75	64	56	49	44	37	31	
		5	159	118	94	78	66	57	51	45	38	32	
7"	1	3	141	105	84	70	60	53	47	42	35	30	
		4	188	141	113	94	80	70	63	56	47	39	
		5	212	159	127	106	91	79	71	63	53	39	
	2	3	123	92	73	60	51	44	39	35	29	25	
		4	164	122	97	80	68	59	52	47	39	33	
		5	205	153	121	100	85	73	64	57	47	39	
	3+	3	123	92	73	60	51	44	39	35	29	25	
		4	164	122	97	80	68	59	52	47	39	33	
		5	205	153	121	100	85	74	65	59	49	41	
	8"	1	3	142	107	85	71	61	53	47	43	36	30
			4	190	142	114	95	81	71	63	57	47	41
			5	237	178	142	119	102	89	79	71	59	47
2		3	130	96	76	63	53	46	40	36	29	25	
		4	173	129	102	84	71	61	54	48	39	33	
		5	216	161	127	105	89	77	67	60	49	41	
3+		3	130	97	77	63	54	47	42	37	31	26	
		4	173	129	102	85	72	63	55	50	41	35	
		5	217	161	128	106	90	78	69	62	51	44	
		1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection. 2. Allowable outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width require-ments 3. Limit states do not consider the effects of thermal load in combination with wind loads 4. Deflection limit of L/240 5. Structural capacity of the panel supports is not considered in this table 6. Please contact Metl-Span Engineering for additional information and assistance											

Table 8. Allowable Outward Loads for a Through-Fastened 42" or 43" 24Ga/26Ga ThermalSafe Wall Panels Using 14 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fasteners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
3"	1	3	97	73	58	49	42	36	31	26	19	14
		4	97	73	58	49	42	36	31	26	19	14
		5	97	73	58	49	42	36	31	26	19	14
	2	3	93	68	54	44	37	32	28	25	20	17
		4	94	69	54	44	37	32	28	25	21	17
		5	94	69	54	44	37	32	28	25	21	17
	3+	3	94	69	55	45	39	34	30	27	22	18
		4	94	70	55	46	39	34	30	27	22	18
		5	94	70	55	46	39	34	30	27	22	18
4"	1	3	123	93	74	62	53	46	41	37	28	21
		4	123	93	74	62	53	46	41	37	28	21
		5	123	93	74	62	53	46	41	37	28	21
	2	3	94	69	54	44	38	32	28	25	21	17
		4	120	89	70	57	48	41	36	32	26	22
		5	120	89	70	57	48	41	36	32	26	22
	3+	3	94	70	55	46	39	34	30	27	22	19
		4	121	89	71	59	50	43	38	34	29	24
		5	121	89	71	59	50	43	38	34	29	24
5"	1	3	138	103	83	69	59	52	46	41	34	28
		4	143	107	86	71	61	54	48	43	36	28
		5	143	107	86	71	61	54	48	43	36	28
	2	3	94	70	55	45	38	33	29	26	21	18
		4	126	93	73	60	51	44	38	34	28	24
		5	140	103	81	67	56	49	43	38	31	26
	3+	3	94	70	56	46	39	34	30	27	22	19
		4	126	93	74	61	52	45	40	36	30	25
		5	140	104	82	68	58	50	45	40	33	28
6"	1	3	139	104	83	69	60	52	46	42	35	30
		4	162	122	97	81	69	61	54	49	41	31
		5	162	122	97	81	69	61	54	49	41	31
	2	3	95	70	55	45	38	33	29	26	21	18
		4	126	93	74	60	51	44	39	34	28	24

Table 8. Allowable Outward Loads for a Through-Fastened 42" or 43" 24Ga/26Ga ThermalSafe Wall Panels Using 14 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fas-teners	Support Spacing (ft)										
			3	4	5	6	7	8	9	10	12	14	
		5	158	117	92	76	64	55	48	43	35	30	
	3+	3	95	70	56	46	39	34	30	27	22	19	
		4	126	94	74	61	52	45	40	36	30	25	
		5	158	117	93	77	65	57	50	45	37	32	
7"	1	3	141	105	84	70	60	53	47	42	35	30	
		4	188	141	113	94	80	70	63	56	47	39	
		5	212	159	127	106	91	79	71	63	53	39	
	2	3	95	71	56	46	39	34	30	27	22	19	
		4	126	94	75	62	52	46	40	36	30	25	
		5	158	118	93	77	66	57	50	45	37	32	
	3+	3	95	71	56	46	39	34	30	27	22	19	
		4	126	94	75	62	52	46	40	36	30	25	
		5	158	118	93	77	66	57	50	45	37	32	
	8"	1	3	142	107	85	71	61	53	47	43	36	30
			4	190	142	114	95	81	71	63	57	47	41
			5	237	178	142	119	102	89	79	71	59	47
2		3	95	70	56	46	39	34	29	26	21	18	
		4	127	94	74	61	52	45	39	35	29	24	
		5	158	117	93	76	65	56	49	44	36	30	
3+		3	95	71	56	46	39	34	30	27	22	19	
		4	127	94	75	62	53	46	40	36	30	26	
		5	158	118	93	77	66	57	51	45	37	32	
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection. 2. Allowable outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width require-ments 3. Limit states do not consider the effects of thermal load in combination with wind loads 4. Deflection limit of L/240 5. Structural capacity of the panel supports is not considered in this table 6. Please contact Metl-Span Engineering for additional information and assistance													

Table 9. Allowable Outward Loads for a Through-Fastened 42" or 43" 24Ga/26Ga ThermalSafe Wall Panels Using 16 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fasteners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
3"	1	3	97	73	58	49	42	36	31	26	19	14
		4	97	73	58	49	42	36	31	26	19	14
		5	97	73	58	49	42	36	31	26	19	14
	2	3	74	55	43	35	30	25	22	20	16	14
		4	94	69	54	44	37	32	28	25	21	17
		5	94	69	54	44	37	32	28	25	21	17
	3+	3	75	55	44	36	31	27	24	21	18	15
		4	94	70	55	46	39	34	30	27	22	18
		5	94	70	55	46	39	34	30	27	22	18
4"	1	3	123	93	74	62	53	46	41	37	28	21
		4	123	93	74	62	53	46	41	37	28	21
		5	123	93	74	62	53	46	41	37	28	21
	2	3	75	55	43	36	30	26	23	20	17	14
		4	100	74	58	47	40	35	30	27	22	19
		5	120	89	70	57	48	41	36	32	26	22
	3+	3	75	56	44	37	31	27	24	21	18	15
		4	100	74	59	49	41	36	32	29	24	20
		5	121	89	71	59	50	43	38	34	29	24
5"	1	3	138	103	83	69	59	52	46	41	34	28
		4	143	107	86	71	61	54	48	43	36	28
		5	143	107	86	71	61	54	48	43	36	28
	2	3	75	56	44	36	30	26	23	20	17	14
		4	100	74	58	48	41	35	31	27	22	19
		5	126	93	73	60	51	44	38	34	28	24
	3+	3	76	56	44	37	31	27	24	22	18	15
		4	101	75	59	49	42	36	32	29	24	20
		5	126	93	74	61	52	45	40	36	30	25
6"	1	3	139	104	83	69	60	52	46	42	35	30
		4	162	122	97	81	69	61	54	49	41	31
		5	162	122	97	81	69	61	54	49	41	31
	2	3	76	56	44	36	31	26	23	21	17	14
		4	101	75	59	48	41	35	31	28	22	19

Table 9. Allowable Outward Loads for a Through-Fastened 42" or 43" 24Ga/26Ga ThermalSafe Wall Panels Using 16 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	# of Fas-teners	Support Spacing (ft)									
			3	4	5	6	7	8	9	10	12	14
		5	126	93	74	60	51	44	39	34	28	24
	3+	3	76	56	45	37	31	27	24	22	18	15
		4	101	75	59	49	42	36	32	29	24	20
		5	126	94	74	61	52	45	40	36	30	25
7"	1	3	141	105	84	70	60	53	47	42	35	30
		4	188	141	113	94	80	70	63	56	47	39
		5	212	159	127	106	91	79	71	63	53	39
	2	3	76	56	45	37	31	27	24	22	18	15
		4	101	75	60	49	42	36	32	29	24	20
		5	126	94	75	62	52	46	40	36	30	25
	3+	3	76	56	45	37	31	27	24	22	18	15
		4	101	75	60	49	42	36	32	29	24	20
		5	126	94	75	62	52	46	40	36	30	25
8"	1	3	142	107	85	71	61	53	47	43	36	30
		4	190	142	114	95	81	71	63	57	47	41
		5	237	178	142	119	102	89	79	71	59	47
	2	3	76	56	45	37	31	27	24	21	17	14
		4	101	75	59	49	41	36	31	28	23	19
		5	127	94	74	61	52	45	39	35	29	24
	3+	3	76	57	45	37	32	27	24	22	18	15
		4	101	75	60	49	42	37	32	29	24	20
		5	127	94	75	62	53	46	40	36	30	26
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection. 2. Allowable outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width require-ments 3. Limit states do not consider the effects of thermal load in combination with wind loads 4. Deflection limit of L/240 5. Structural capacity of the panel supports is not considered in this table 6. Please contact Metl-Span Engineering for additional information and assistance												

Table 10. Non-Exposed Fastened Outward Loads for a Through-Fastened 42" or 43" 26Ga/26Ga ThermalSafe Wall Panels Using 16 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	Support Spacing (ft)									
		3	4	5	6	7	8	9	10	12	14
3"	2	94	69	54	44	37	32	28	25	20	17
	3+	94	70	55	46	39	34	30	27	22	17
4"	2	109	81	64	53	45	39	35	31	26	22
	3+	109	81	64	53	45	39	35	31	26	22
5"	2	110	81	64	53	45	39	35	31	26	22
	3+	110	81	64	53	45	39	35	31	26	22
6"	2	110	82	65	53	45	40	35	31	26	22
	3+	110	82	65	53	45	40	35	31	26	22
7"	2	110	82	65	54	46	40	35	31	26	22
	3+	110	82	65	54	46	40	35	31	26	22
8"	2	110	82	65	54	46	40	35	32	26	22
	3+	110	82	65	54	46	40	35	32	26	22

- Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.
- Allowable outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width requirements
- Limit states do not consider the effects of thermal load in combination with wind loads
- Deflection limit of L/240
- Structural capacity of the panel supports is not considered in this table
- Please contact Metl-Span Engineering for additional information and assistance

Table 11. Non-Exposed Fastened Outward Loads for a Through-Fastened 42" or 43" 24Ga/24Ga ThermalSafe Wall Panels Using 16 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	Support Spacing (ft)									
		3	4	5	6	7	8	9	10	12	14
3"	2	96	71	56	46	38	33	29	26	21	18
	3+	97	72	57	47	40	35	31	28	23	19
4"	2	133	98	77	63	53	46	40	36	29	25
	3+	133	99	78	65	55	48	42	38	31	27
5"	2	137	102	81	67	57	49	44	39	32	28
	3+	137	102	81	67	57	49	44	39	32	28
6"	2	137	102	81	67	57	50	44	39	32	28
	3+	137	102	81	67	57	50	44	39	32	28
7"	2	138	103	81	67	57	50	44	39	33	28
	3+	138	103	81	67	57	50	44	39	33	28
8"	2	138	103	82	67	57	50	44	40	33	28
	3+	138	103	82	67	57	50	44	40	33	28

- Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.
- Allowable outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width requirements
- Limit states do not consider the effects of thermal load in combination with wind loads
- Deflection limit of L/240
- Structural capacity of the panel supports is not considered in this table
- Please contact Metl-Span Engineering for additional information and assistance

Table 12. Non-Exposed Fastened Outward Loads for a Through-Fastened 42" or 43" 24Ga/26Ga ThermalSafe Wall Panels Using 16 GA Supports^{1,2,3,4,5,6}

Thickness	# of Spans	Support Spacing (ft)									
		3	4	5	6	7	8	9	10	12	14
3"	2	94	69	54	44	37	32	28	25	21	17
	3+	94	70	55	46	39	34	30	27	22	18
4"	2	109	81	64	53	45	39	35	31	26	22
	3+	109	81	64	53	45	39	35	31	26	22
5"	2	110	82	65	53	45	39	35	31	26	22
	3+	110	82	65	53	45	39	35	31	26	22
6"	2	110	82	65	54	46	40	35	31	26	22
	3+	110	82	65	54	46	40	35	31	26	22
7"	2	110	82	65	54	46	40	35	32	26	22
	3+	110	82	65	54	46	40	35	32	26	22
8"	2	111	82	65	54	46	40	35	32	26	22
	3+	111	82	65	54	46	40	35	32	26	22
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection. 2. Allowable outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width requirements 3. Limit states do not consider the effects of thermal load in combination with wind loads 4. Deflection limit of L/240 5. Structural capacity of the panel supports is not considered in this table 6. Please contact Metl-Span Engineering for additional information and assistance											

Table 13. Allowable Inward Loads for a Through-Fastened 42" or 43" 26Ga/26Ga ThermalSafe Wall Panels^{1,2,3,4,5,6}

Thickness	# of Fasteners	Support Spacing (ft)									
		3	4	5	6	7	8	9	10	12	14
3"	1	97	73	58	49	42	36	29	25	17	13
	2	94	69	54	44	37	32	28	25	20	17
	3+	94	70	55	46	39	34	30	27	22	17
4"	1	124	93	74	62	53	46	41	36	27	20
	2	120	88	69	57	48	41	36	32	26	22
	3+	121	89	71	58	50	43	38	34	29	24
5"	1	143	107	86	71	61	54	48	43	36	27
	2	139	103	81	66	56	48	42	38	31	26
	3+	140	104	82	68	58	50	44	40	33	28
6"	1	162	122	97	81	70	61	54	49	41	32
	2	159	118	93	76	64	55	49	43	35	30
	3+	159	118	94	77	66	57	51	45	38	32
7"	1	212	159	127	106	91	79	71	64	53	42
	2	208	154	122	100	84	73	64	57	46	39
	3+	208	155	123	101	86	75	66	59	49	42
8"	1	268	201	161	134	115	100	89	80	67	53
	2	252	187	148	121	103	89	78	69	57	48
	3+	252	188	149	123	105	91	80	72	60	51
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection. 2. Allowable inward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width requirements 3. Limit states do not consider the effects of thermal load in combination with wind loads 4. Deflection limit of L/240 5. Structural capacity of the panel supports is not considered in this table 6. Please contact Metl-Span Engineering for additional information and assistance											

Table 14. Allowable Inward Loads for a Through-Fastened 42" or 43" 24Ga/24Ga ThermalSafe Wall Panels^{1,2,3,4,5,6}

Thickness	# of Fasteners	Support Spacing (ft)									
		3	4	5	6	7	8	9	10	12	14
3"	1	99	74	60	50	43	37	32	27	20	15
	2	96	71	56	46	38	33	29	26	21	18
	3+	97	72	57	47	40	35	31	28	23	19
4"	1	136	102	82	68	58	51	45	40	30	23
	2	133	98	77	63	53	46	40	36	29	25
	3+	133	99	78	65	55	48	42	38	31	27
5"	1	174	131	105	87	75	65	58	52	40	31
	2	171	127	100	82	69	60	52	47	38	32
	3+	171	127	101	83	71	62	55	49	40	35
6"	1	219	164	131	110	94	82	73	65	50	39
	2	201	149	118	97	82	71	62	55	45	38
	3+	202	150	119	98	84	73	64	58	48	41
7"	1	234	175	140	117	100	88	78	70	58	48
	2	227	169	133	110	93	80	71	63	51	43
	3+	227	169	134	111	94	82	73	65	54	46
8"	1	242	181	145	121	104	91	81	73	60	52
	2	239	178	141	116	98	85	75	66	54	46
	3+	239	178	141	117	99	86	76	68	57	48

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.
2. Allowable inward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width requirements
3. Limit states do not consider the effects of thermal load in combination with wind loads
4. Deflection limit of L/240
5. Structural capacity of the panel supports is not considered in this table
6. Please contact Metl-Span Engineering for additional information and assistance

Table 15. Allowable Inward Loads for a Through-Fastened 42" or 43" 24Ga/26Ga ThermalSafe Wall Panels^{1,2,3,4,5,6}

Thickness	# of Fasteners	Support Spacing (ft)									
		3	4	5	6	7	8	9	10	12	14
3"	1	97	73	58	49	42	36	31	26	19	14
	2	94	69	54	44	37	32	28	25	21	17
	3+	94	70	55	46	39	34	30	27	22	18
4"	1	123	93	74	62	53	46	41	37	28	21
	2	120	89	70	57	48	41	36	32	26	22
	3+	121	89	71	59	50	43	38	34	29	24
5"	1	143	107	86	71	61	54	48	43	36	28
	2	140	103	81	67	56	49	43	38	31	26
	3+	140	104	82	68	58	50	45	40	33	28
6"	1	162	122	97	81	69	61	54	49	41	31
	2	159	118	93	76	65	56	49	43	35	30
	3+	159	118	94	78	66	57	51	45	38	32
7"	1	212	159	127	106	91	79	71	63	53	39
	2	208	154	122	100	85	73	64	57	47	39
	3+	208	155	123	102	86	75	66	60	49	42
8"	1	242	181	145	121	104	91	81	73	60	47
	2	239	177	140	115	98	84	74	66	54	45
	3+	239	178	141	117	99	86	76	68	56	48
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection. 2. Allowable inward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio, interaction moment and bearing width requirements 3. Limit states do not consider the effects of thermal load in combination with wind loads 4. Deflection limit of L/240 5. Structural capacity of the panel supports is not considered in this table 6. Please contact Metl-Span Engineering for additional information and assistance											

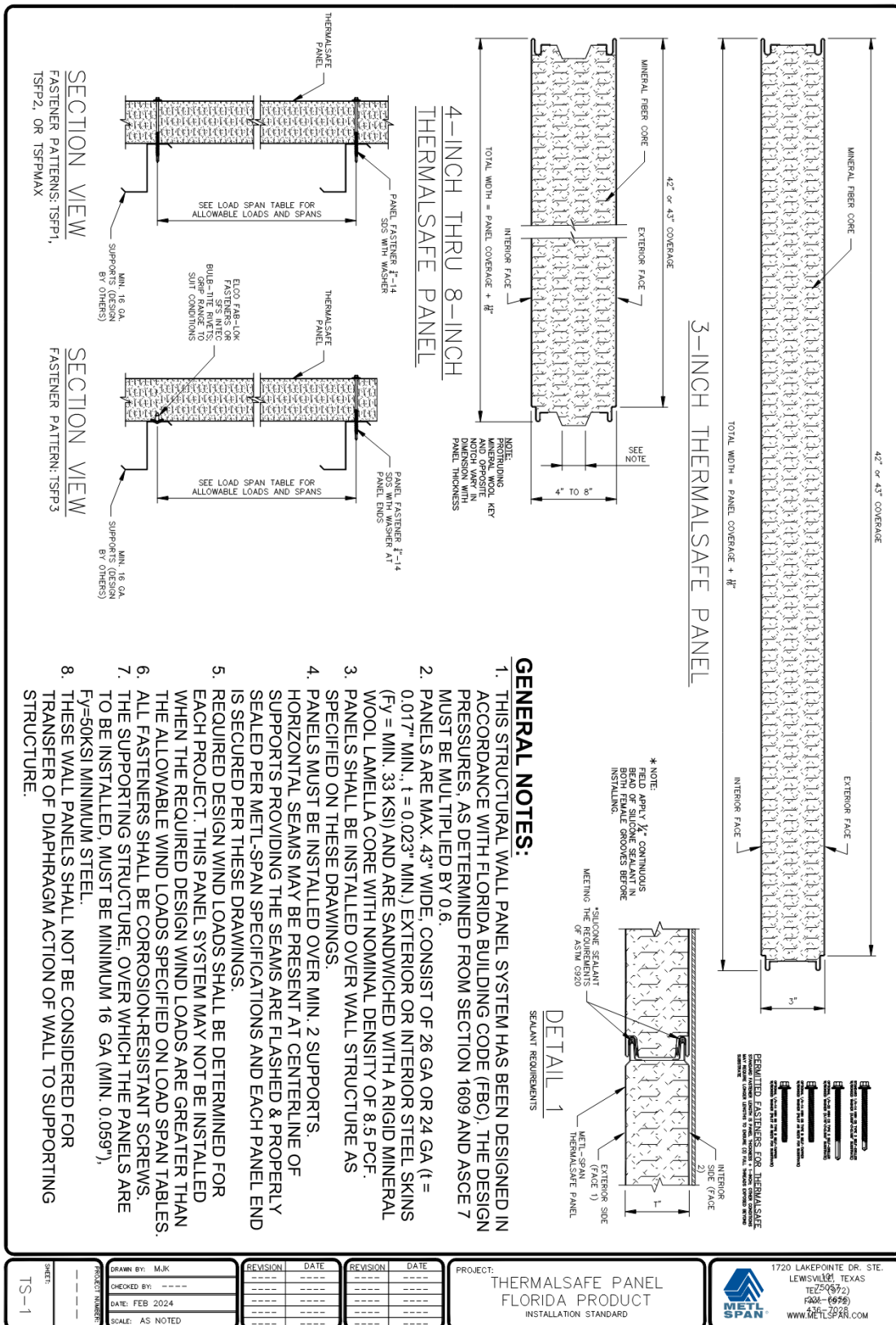


Figure 1. ThermalSafe Installation

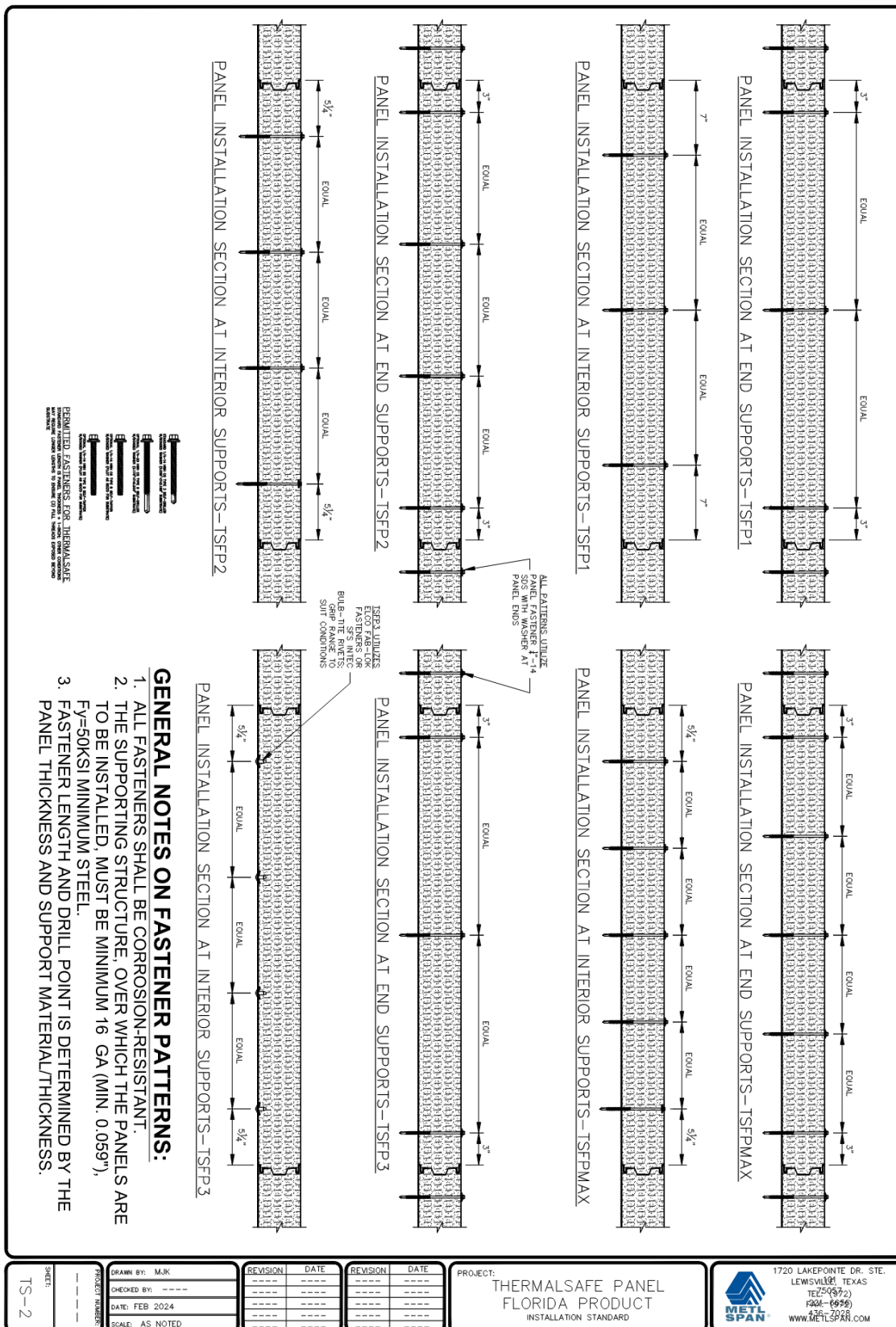


Figure 2. ThermalSafe Fastening Patterns



This panel is not currently available for use in High-Velocity Hurricane Zones (HVHZ).

General Code Compliance and Approval

DrJ's procedures are fully compliant with 17065 certification procedures and DrJ's scope of expertise.

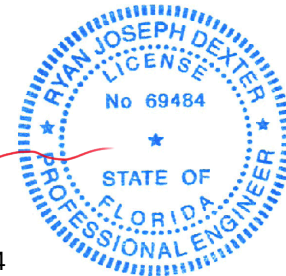
If there are any questions or concerns, we will gladly provide a professional engineering⁵ and ANAB 17065 accredited approved agency⁶ response. Pursuant to FBC Section 1707.1 and 104.11, we would sincerely appreciate knowing the specific building regulations and/or professional engineering law that this 17065 Research Report does not comply with, so that we can cure any non-conformance.⁷ From specifics, we can then delineate a path forward that will serve everyone's best interests regarding free and fair market⁸ competition.

Our goal with this 17065 evaluation and certification is to provide both the accepted engineering analysis and regulatory compliance substance that supports efficient approval. Please contact us if we can help further in any way. If your request is time sensitive, please contact Jill Zimmerman at 920-988-7165. Thank you very much.

Respectfully yours,

Chris Scoville
Vice President Product Certification
608-310-6720

Ryan Dexter, P.E.
Florida P.E. No. 69484
Vice President of Engineering
608-310-6744



DrJ Engineering, LLC
Certificate of Authorization
#29766

Digitally signed by
RYAN J DEXTER
Date: 2026.10.19
15:14:53 -04'00'

¹The scope of work contained herein is limited to the specific engineering and/or code compliance analysis undertaken in this duly authenticated report, which is also known as a technical evaluation, evaluation report, research report, accepted evaluation to a reasonable degree of engineering certainty, and so forth. This work has been prepared by an Approved Source, who is a Registered Design Professional (RDP). No representation or warranty is expressed or implied by this duly authenticated report beyond the scope of work performed. Information, data, and/or analysis that becomes available in the future may justify modifications to this professional evaluation report.

²Approval of an RDP takes place when the RDP is properly licensed in the pertinent jurisdiction. Commercial and professional engineering laws affirm that the RDP has the ability to undertake commerce applying engineering principles in their area of expertise without restraint or discrimination. Ohio has set legal precedent.

³Capitalized terms are defined in the building code, reference standards, TPI 1, the NDS, AISI S202, professional engineering law, Appendix A: Definitions/Commentary, and the National Building Code of Canada. Otherwise, terms not defined shall have ordinarily accepted meanings as the context implies.

⁴All ideas, engineering analysis, and test data are proprietary intellectual property (IP) and trade secrets (TS) and should not be provided to anyone. In particular, public regulatory officials are subject to freedom of information act requests, including federal and state public records acts. This means that IP and TS will be in the public domain when any information is provided. In addition, each state also has legislation that mimics the federal Defend Trade Secrets Act 2016 (DTSA), where providing test reports, engineering analysis, and/or other related IP/TS is subject to prison of not more than 10 years and/or a \$5,000,000 fine or 3 times the value of the IP and TS. To follow DTSA and to comply with state public records and trade secret legislation requires approval through ANAB ISO/IEC 17065 accredited certification bodies or approved sources. For more information, please visit <http://www.drjengineering.org/AppendixC> and <https://www.drjcertification.org/cornell-2016-protection-trade-secrets>.

⁵Approved source. An independent person, firm, or corporation, approved by the building official, who is competent and experienced in the application of engineering principles to materials, methods, or systems analyses, which is a professional engineer. To find licensed professional engineers please see this website:

<https://www.nspe.org/resources/licensure/licensing-boards>. An approved source is "approved" when a professional engineer (i.e., Registered Design Professional [RDP]) is properly licensed to transact engineering commerce. The regulatory authority governing approved sources is the state legislature via its professional engineering regulations. Commercial and professional engineering laws affirm that the RDP has the ability to undertake commerce applying engineering principles in their area of expertise without restraint or discrimination. Ohio has set legal precedent.

⁶ANAB accredited approved agencies. An approved agency shall be objective, competent and independent. An approved agency is "approved" when it is ANAB ISO/IEC 17065 accredited. DrJ Engineering, LLC (DrJ) is listed in the ANAB directory. Language is found in Section 1703.1.1.

⁷Where the alternative material, design, or method of construction is not approved, the building official shall respond in writing, stating the reasons why the alternative was not approved. Language is found in Section 104.11.

⁸Competition provides businesses the opportunity to compete on price, quality, innovation, and wages, in an open market and on a level playing field, unhampered by anticompetitive restraints: <https://www.justice.gov/atr/mission>. State statutes by topic can be found at https://www.law.cornell.edu/wex/unfair_competition. Finally, given that government employees have monopoly approval power, they are held to high standards as it relates to bias in commerce (i.e., discrimination) as found at <https://www.justice.gov/crt/deprivation-rights-under-color-law> and <https://www.law.cornell.edu/uscode/text/42/1983>.