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CENTRIA Versawall H+ Panels, 2026 FBC Compliance, FL46926 - ENG-2607-329

October 19, 2026

Mr. Mark J Klos
CENTRIA, A Nucor Company
700 State Highway 121 Bypass
Suite 200
Lewisville, TX 75076

Re: Versawall H+ 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 the Versawall H+ 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 Versawall H+ Panel with the 2026 Florida Building Code (FBC).

Standard (Non-HVHZ) Applications

Versawall H+ Panels conform to Section 1403, Section 1404, Section 1405, Section 1412 and Section 2603 of the 2026 FBC. Versawall H+ panels have a polyisocyanurate (polyiso) plastic core with a minimum density of 2.3 pcf and two steel facers. These facers are made from galvanized coated steel or Galvalume® AZ50 coated steel (minimum 33 ksi) and have a standard thickness of 26 ga. (interior) (the interior facer is also available in 24, 22 and 20 ga.) and 22 ga. (exterior) (the exterior facer is also available in 20 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 Versawall H+ panels are 2" and 3". The panels have a coverage width of either 30" or 36". Panels are intended for horizontal installation.

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. Because the Versawall H+ core is a foam plastic, Section 1412.7 directs the core to Section 2603.3, the thermal barrier to Section 2603.4 or to special approval under Section 2603.9, and Type I, II, III and IV construction to Section 2603.5. The Versawall H+ Panels conform to these provisions, with the thermal barrier established by special approval under Section 2603.9. 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 panel clips to the supports using $\frac{1}{4}$ "-14 AB stainless steel fasteners. Fasteners must be long enough to penetrate through the support at least 3 threads. For 2" thick panels a $1\frac{3}{4}$ " long fastener with an A-50 designated clip shall be used. For 3" thick panels a $2\frac{3}{4}$ " fastener with an A-51 designated clip shall be used. All fasteners must be corrosion resistant.



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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 a standard schedule of 1-3 fasteners per support depending on the performance requirements. Panel ends shall be terminated with a 26 ga steel angle fastened to liner with $\frac{5}{32}$ " stainless steel rivets (See Detail 2A and 2B in Figure 1). Nominal 2.5 pcf mineral wool shall be placed into vertical joints with an exterior fire-retardant gasket installed on top (See Detail 3A in **Figure 1**).

The maximum allowable inward and outward transverse loads for the Versawall H+ Panels, across the full range of panel thicknesses, span conditions, and support gauges, are established by CENTRIA structural analysis and testing conducted in accordance with ASTM E72 and can be found in **Table 1** through **Table 12**. These tables conform to the requirements of the FBC.

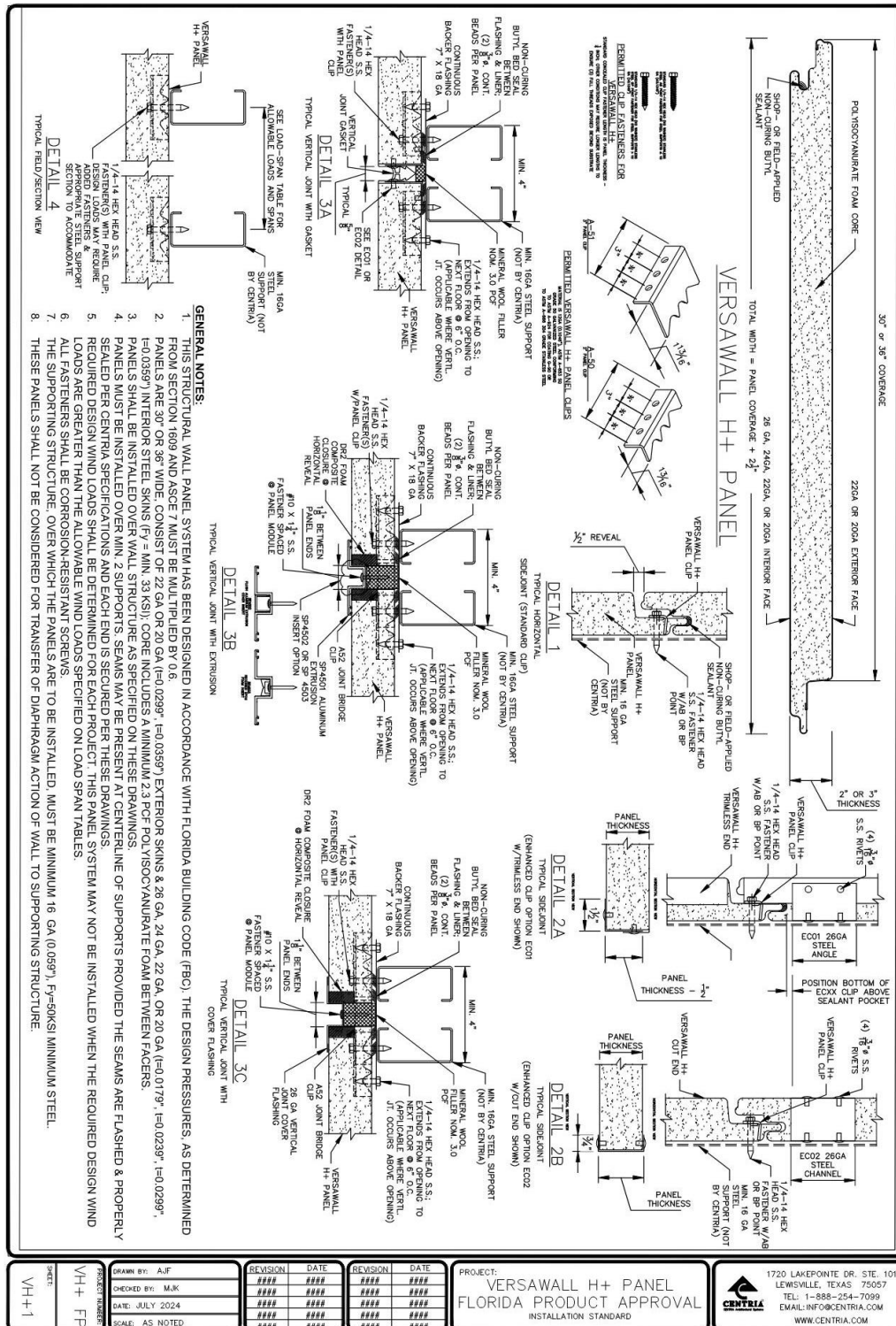


Figure 1. Versawall H+ Installation Instructions

Table 1. Allowable Outward and Inward Loads for 2" Thick 22Ga/26Ga Faced 36" Coverage Versawall H+ Wall Panel with 12 Ga Supports and L/180 Deflection Ratio^{1,2,3,4}

Thickness	# of Spans	Clip	# Fasteners	Support Spacing (ft)								
				2	3	4	5	6	7	8	9	10
2"	1	Standard	1	87	61	46	37	31	26	23	20	18
			2	87	61	46	37	31	26	23	20	18
			3+	87	61	46	37	31	26	23	20	18
		Enhanced	1	97	83	62	50	41	35	31	28	25
			2	97	83	62	50	41	35	31	28	25
			3+	97	83	62	50	41	35	31	28	25
	2	Standard	1	87	57	42	33	27	23	20	17	15
			2	87	67	52	43	37	32	29	26	23
			3+	87	67	52	43	37	32	29	26	23
		Enhanced	1	89	57	42	33	27	23	20	17	15
			2	97	90	70	58	47	40	35	31	27
			3+	97	90	70	58	47	40	35	31	27
	3	Standard	1	87	59	44	35	29	25	21	19	17
			2	87	69	53	43	37	32	28	25	23
			3+	87	69	53	43	37	32	28	25	23
		Enhanced	1	90	59	44	35	29	25	21	19	17
			2	97	93	72	59	50	43	38	34	30
			3+	97	93	72	59	50	43	38	34	30

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.

2. Allowable loads shown in this table are based on the lowest value of panel wrinkling, core strength, fastener pullout, end clip disengagement, ultimate disengagement and deflection ratio limits.

3. Structural capacity of the panel supports is not considered in this table.

4. Please contact CENTRIA Engineering for additional information and assistance.

Table 2. Allowable Outward and Inward Loads for 3" Thick 22Ga/26Ga Faced 36" Coverage Versawall H+ Wall Panel with 12 Ga Supports and L/180 Deflection Ratio^{1,2,3,4}

Thickness	# of Spans	Clip	# Fasteners	Support Spacing (ft)								
				2	3	4	5	6	7	8	9	10
3"	1	Standard	1	92	64	48	39	32	28	24	21	19
			2	92	64	48	39	32	28	24	21	19
			3+	92	64	48	39	32	28	24	21	19
		Enhanced	1	106	83	62	50	42	36	31	28	25
			2	106	83	62	50	42	36	31	28	25
			3+	106	83	62	50	42	36	31	28	25
	2	Standard	1	91	59	43	33	27	23	20	18	16
			2	92	68	53	44	37	33	29	26	24
			3+	92	68	53	44	37	33	29	26	24
		Enhanced	1	91	59	43	33	27	23	20	18	16
			2	106	88	69	56	48	42	38	34	31
			3+	106	88	69	56	48	42	38	34	31
	3	Standard	1	91	60	44	35	29	25	22	19	17
			2	92	70	55	45	38	33	29	26	23
			3+	92	70	55	45	38	33	29	26	23
		Enhanced	1	91	60	44	35	29	25	22	19	17
			2	106	91	71	58	49	43	38	34	30
			3+	106	91	71	58	49	43	38	34	30

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.

2. Allowable loads shown in this table are based on the lowest value of panel wrinkling, core strength, fastener pullout, end clip disengagement, ultimate disengagement and deflection ratio limits.

3. Structural capacity of the panel supports is not considered in this table.

4. Please contact CENTRIA Engineering for additional information and assistance.

Table 3. Allowable Outward and Inward Loads for 2" Thick 22Ga/26Ga Faced 36" Coverage Versawall H+ Wall Panel with 14 Ga Supports and L/180 Deflection Ratio^{1,2,3,4}

Thickness	# of Spans	Clip	# Fasteners	Support Spacing (ft)								
				2	3	4	5	6	7	8	9	10
2"	1	Standard	1	87	61	46	37	31	26	23	20	18
			2	87	61	46	37	31	26	23	20	18
			3+	87	61	46	37	31	26	23	20	18
		Enhanced	1	97	83	62	50	41	35	31	28	25
			2	97	83	62	50	41	35	31	28	25
			3+	97	83	62	50	41	35	31	28	25
	2	Standard	1	70	45	33	26	21	18	15	13	12
			2	87	67	52	43	37	32	29	26	23
			3+	87	67	52	43	37	32	29	26	23
		Enhanced	1	70	45	33	26	21	18	15	13	12
			2	97	90	65	51	42	35	31	27	24
			3+	97	90	70	58	47	40	35	31	27
	3	Standard	1	71	46	34	27	23	19	17	15	13
			2	87	69	53	43	37	32	28	25	23
			3+	87	69	53	43	37	32	28	25	23
		Enhanced	1	71	46	34	27	23	19	17	15	13
			2	97	92	68	54	45	38	34	30	27
			3+	97	93	72	59	50	43	38	34	30

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.

2. Allowable loads shown in this table are based on the lowest value of panel wrinkling, core strength, fastener pullout, end clip disengagement, ultimate disengagement and deflection ratio limits.

3. Structural capacity of the panel supports is not considered in this table.

4. Please contact CENTRIA Engineering for additional information and assistance.

Table 4. Allowable Outward and Inward Loads for 3" Thick 22Ga/26Ga Faced 36" Coverage Versawall H+ Wall Panel with 14 Ga Supports and L/180 Deflection Ratio^{1,2,3,4}

Thickness	# of Spans	Clip	# Fasteners	Support Spacing (ft)								
				2	3	4	5	6	7	8	9	10
3"	1	Standard	1	92	64	48	39	32	28	24	21	19
			2	92	64	48	39	32	28	24	21	19
			3+	92	64	48	39	32	28	24	21	19
		Enhanced	1	106	83	62	50	42	36	31	28	25
			2	106	83	62	50	42	36	31	28	25
			3+	106	83	62	50	42	36	31	28	25
	2	Standard	1	71	46	34	26	21	18	16	14	12
			2	92	68	53	44	37	33	29	26	24
			3+	92	68	53	44	37	33	29	26	24
		Enhanced	1	71	46	34	26	21	18	16	14	12
			2	106	88	67	52	43	36	31	27	25
			3+	106	88	69	56	48	42	38	34	31
	3	Standard	1	71	47	35	27	23	19	17	15	13
			2	92	70	55	45	38	33	29	26	23
			3+	92	70	55	45	38	33	29	26	23
		Enhanced	1	71	47	35	27	23	19	17	15	13
			2	106	91	69	55	45	39	34	30	27
			3+	106	91	71	58	49	43	38	34	30

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.

2. Allowable loads shown in this table are based on the lowest value of panel wrinkling, core strength, fastener pullout, end clip disengagement, ultimate disengagement and deflection ratio limits.

3. Structural capacity of the panel supports is not considered in this table.

4. Please contact CENTRIA Engineering for additional information and assistance.

Table 5. Allowable Outward and Inward Loads for 2" Thick 22Ga/26Ga Faced 36" Coverage Versawall H+ Wall Panel with 16 Ga Supports and L/180 Deflection Ratio^{1,2,3,4}

Thickness	# of Spans	Clip	# Fasteners	Support Spacing (ft)								
				2	3	4	5	6	7	8	9	10
2"	1	Standard	1	87	61	46	37	31	26	23	20	18
			2	87	61	46	37	31	26	23	20	18
			3+	87	61	46	37	31	26	23	20	18
		Enhanced	1	94	63	47	38	31	27	24	21	19
			2	97	83	62	50	41	35	31	28	25
			3+	97	83	62	50	41	35	31	28	25
	2	Standard	1	45	29	21	16	13	11	10	9	8
			2	87	58	42	33	27	23	20	17	16
			3+	87	67	52	43	37	32	29	26	23
		Enhanced	1	45	29	21	16	13	11	10	9	8
			2	90	58	42	33	27	23	20	17	16
			3+	97	87	63	49	40	34	30	26	23
	3	Standard	1	46	30	22	18	15	12	11	10	9
			2	87	60	44	35	29	25	22	19	17
			3+	87	69	53	43	37	32	28	25	23
		Enhanced	1	46	30	22	18	15	12	11	10	9
			2	91	60	44	35	29	25	22	19	17
			3+	97	89	66	53	44	37	32	29	26

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.

2. Allowable loads shown in this table are based on the lowest value of panel wrinkling, core strength, fastener pullout, end clip disengagement, ultimate disengagement and deflection ratio limits.

3. Structural capacity of the panel supports is not considered in this table.

4. Please contact CENTRIA Engineering for additional information and assistance.

Table 6. Allowable Outward and Inward Loads for 3" Thick 22Ga/26Ga Faced 36" Coverage Versawall H+ Wall Panel with 16 Ga Supports and L/180 Deflection Ratio^{1,2,3,4}

Thickness	# of Spans	Clip	# Fasteners	Support Spacing (ft)								
				2	3	4	5	6	7	8	9	10
3"	1	Standard	1	92	63	47	38	31	27	24	21	19
			2	92	64	48	39	32	28	24	21	19
			3+	92	64	48	39	32	28	24	21	19
		Enhanced	1	94	63	47	38	31	27	24	21	19
			2	106	83	62	50	42	36	31	28	25
			3+	106	83	62	50	42	36	31	28	25
	2	Standard	1	46	30	22	17	14	12	10	9	8
			2	92	59	43	34	28	23	20	18	16
			3+	92	68	53	44	37	33	29	26	24
		Enhanced	1	46	30	22	17	14	12	10	9	8
			2	92	59	43	34	28	23	20	18	16
			3+	106	88	65	51	41	35	30	27	24
	3	Standard	1	46	30	22	18	15	12	11	10	9
			2	92	60	45	35	29	25	22	19	17
			3+	92	70	55	45	38	33	29	26	23
		Enhanced	1	46	30	22	18	15	12	11	10	9
			2	92	60	45	35	29	25	22	19	17
			3+	106	90	67	53	44	37	33	29	26

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.

2. Allowable loads shown in this table are based on the lowest value of panel wrinkling, core strength, fastener pullout, end clip disengagement, ultimate disengagement and deflection ratio limits.

3. Structural capacity of the panel supports is not considered in this table.

4. Please contact CENTRIA Engineering for additional information and assistance.

Table 7. Allowable Outward and Inward Loads for 2" Thick 22Ga/26Ga Faced 30" Coverage Versawall H+ Wall Panel with 12 Ga Supports and L/180 Deflection Ratio^{1,2,3,4}

Thickness	# of Spans	Clip	# Fasteners	Support Spacing (ft)								
				2	3	4	5	6	7	8	9	10
2"	1	Standard	1	104	73	55	44	37	31	28	24	22
			2	104	73	55	44	37	31	28	24	22
			3+	104	73	55	44	37	31	28	24	22
		Enhanced	1	116	99	74	60	50	43	37	33	29
			2	116	99	74	60	50	43	37	33	29
			3+	116	99	74	60	50	43	37	33	29
	2	Standard	1	104	69	50	39	32	27	23	21	18
			2	104	80	62	52	44	39	34	31	28
			3+	104	80	62	52	44	39	34	31	28
		Enhanced	1	107	69	50	39	32	27	23	21	18
			2	116	108	84	70	57	48	42	37	33
			3+	116	108	84	70	57	48	42	37	33
	3	Standard	1	104	71	52	42	34	29	26	23	20
			2	104	83	64	52	44	38	34	30	27
			3+	104	83	64	52	44	38	34	30	27
		Enhanced	1	108	71	52	42	34	29	26	23	20
			2	116	112	86	71	60	52	45	41	37
			3+	116	112	86	71	60	52	45	41	37

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.

2. Allowable loads shown in this table are based on the lowest value of panel wrinkling, core strength, fastener pullout, end clip disengagement, ultimate disengagement and deflection ratio limits.

3. Structural capacity of the panel supports is not considered in this table.

4. Please contact CENTRIA Engineering for additional information and assistance.

Table 8. Allowable Outward and Inward Loads for 3" Thick 22Ga/26Ga Faced 30" Coverage Versawall H+ Wall Panel with 12 Ga Supports and L/180 Deflection Ratio^{1,2,3,4}

Thickness	# of Spans	Clip	# Fasteners	Support Spacing (ft)								
				2	3	4	5	6	7	8	9	10
3"	1	Standard	1	111	77	58	46	39	33	29	26	23
			2	111	77	58	46	39	33	29	26	23
			3+	111	77	58	46	39	33	29	26	23
		Enhanced	1	127	100	75	60	50	43	37	33	30
			2	127	100	75	60	50	43	37	33	30
			3+	127	100	75	60	50	43	37	33	30
	2	Standard	1	109	70	51	40	33	28	24	21	19
			2	111	82	64	52	45	39	35	32	29
			3+	111	82	64	52	45	39	35	32	29
		Enhanced	1	109	70	51	40	33	28	24	21	19
			2	127	106	82	68	58	51	45	41	37
			3+	127	106	82	68	58	51	45	41	37
	3	Standard	1	109	72	53	42	35	30	26	23	21
			2	111	85	65	54	45	39	35	31	28
			3+	111	85	65	54	45	39	35	31	28
		Enhanced	1	109	72	53	42	35	30	26	23	21
			2	127	109	85	69	59	51	45	40	36
			3+	127	109	85	69	59	51	45	40	36

- Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.
- Allowable loads shown in this table are based on the lowest value of panel wrinkling, core strength, fastener pullout, end clip disengagement, ultimate disengagement and deflection ratio limits.
- Structural capacity of the panel supports is not considered in this table.
- Please contact CENTRIA Engineering for additional information and assistance.

Table 9. Allowable Outward and Inward Loads for 2" Thick 22Ga/26Ga Faced 30" Coverage Versawall H+ Wall Panel with 14 Ga Supports and L/180 Deflection Ratio^{1,2,3,4}

Thickness	# of Spans	Clip	# Fasteners	Support Spacing (ft)								
				2	3	4	5	6	7	8	9	10
2"	1	Standard	1	104	73	55	44	37	31	28	24	22
			2	104	73	55	44	37	31	28	24	22
			3+	104	73	55	44	37	31	28	24	22
		Enhanced	1	116	99	74	60	50	43	37	33	29
			2	116	99	74	60	50	43	37	33	29
			3+	116	99	74	60	50	43	37	33	29
	2	Standard	1	84	54	39	31	25	21	18	16	14
			2	104	80	62	52	44	39	34	31	28
			3+	104	80	62	52	44	39	34	31	28
		Enhanced	1	84	54	39	31	25	21	18	16	14
			2	116	108	79	61	50	42	37	32	29
			3+	116	108	84	70	57	48	42	37	33
	3	Standard	1	85	55	41	33	27	23	20	18	16
			2	104	83	64	52	44	38	34	30	27
			3+	104	83	64	52	44	38	34	30	27
		Enhanced	1	85	55	41	33	27	23	20	18	16
			2	116	111	82	65	54	46	40	36	32
			3+	116	112	86	71	60	52	45	41	37

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.

2. Allowable loads shown in this table are based on the lowest value of panel wrinkling, core strength, fastener pullout, end clip disengagement, ultimate disengagement and deflection ratio limits.

3. Structural capacity of the panel supports is not considered in this table.

4. Please contact CENTRIA Engineering for additional information and assistance.

Table 10. Allowable Outward and Inward Loads for 3" Thick 22Ga/26Ga Faced 30" Coverage Versawall H+ Wall Panel with 14 Ga Supports and L/180 Deflection Ratio^{1,2,3,4}

Thickness	# of Spans	Clip	# Fasteners	Support Spacing (ft)								
				2	3	4	5	6	7	8	9	10
3"	1	Standard	1	111	77	58	46	39	33	29	26	23
			2	111	77	58	46	39	33	29	26	23
			3+	111	77	58	46	39	33	29	26	23
		Enhanced	1	127	100	75	60	50	43	37	33	30
			2	127	100	75	60	50	43	37	33	30
			3+	127	100	75	60	50	43	37	33	30
	2	Standard	1	85	55	40	31	26	22	19	16	15
			2	111	82	64	52	45	39	35	32	29
			3+	111	82	64	52	45	39	35	32	29
		Enhanced	1	85	55	40	31	26	22	19	16	15
			2	127	106	81	63	51	43	37	33	29
			3+	127	106	82	68	58	51	45	41	37
	3	Standard	1	86	56	42	33	27	23	20	18	16
			2	111	85	65	54	45	39	35	31	28
			3+	111	85	65	54	45	39	35	31	28
		Enhanced	1	86	56	42	33	27	23	20	18	16
			2	127	109	83	66	54	46	40	36	32
			3+	127	109	85	69	59	51	45	40	36

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.

2. Allowable loads shown in this table are based on the lowest value of panel wrinkling, core strength, fastener pullout, end clip disengagement, ultimate disengagement and deflection ratio limits.

3. Structural capacity of the panel supports is not considered in this table.

4. Please contact CENTRIA Engineering for additional information and assistance.

Table 11. Allowable Outward and Inward Loads for 2" Thick 22Ga/26Ga Faced 30" Coverage Versawall H+ Wall Panel with 16 Ga Supports and L/180 Deflection Ratio^{1,2,3,4}

Thickness	# of Spans	Clip	# Fasteners	Support Spacing (ft)								
				2	3	4	5	6	7	8	9	10
2"	1	Standard	1	104	73	55	44	37	31	28	24	22
			2	104	73	55	44	37	31	28	24	22
			3+	104	73	55	44	37	31	28	24	22
		Enhanced	1	113	76	57	45	38	32	28	25	23
			2	116	99	74	60	50	43	37	33	29
			3+	116	99	74	60	50	43	37	33	29
	2	Standard	1	54	35	25	20	16	14	12	10	9
			2	104	70	51	40	32	27	24	21	19
			3+	104	80	62	52	44	39	34	31	28
		Enhanced	1	54	35	25	20	16	14	12	10	9
			2	108	70	51	40	32	27	24	21	19
			3+	116	104	76	59	49	41	36	31	28
	3	Standard	1	55	36	26	21	17	15	13	12	10
			2	104	72	53	42	35	30	26	23	21
			3+	104	83	64	52	44	38	34	30	27
		Enhanced	1	55	36	26	21	17	15	13	12	10
			2	109	72	53	42	35	30	26	23	21
			3+	116	107	79	63	52	45	39	35	31
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection. 2. Allowable loads shown in this table are based on the lowest value of panel wrinkling, core strength, fastener pullout, end clip disengagement, ultimate disengagement and deflection ratio limits. 3. Structural capacity of the panel supports is not considered in this table. 4. Please contact CENTRIA Engineering for additional information and assistance.												

Table 12. Allowable Outward and Inward Loads for 3" Thick 22Ga/26Ga Faced 30" Coverage Versawall H+ Wall Panel with 16 Ga Supports and L/180 Deflection Ratio^{1,2,3,4}

Thickness	# of Spans	Clip	# Fasteners	Support Spacing (ft)								
				2	3	4	5	6	7	8	9	10
3"	1	Standard	1	111	76	57	45	38	32	28	25	23
			2	111	77	58	46	39	33	29	26	23
			3+	111	77	58	46	39	33	29	26	23
		Enhanced	1	113	76	57	45	38	32	28	25	23
			2	127	100	75	60	50	43	37	33	30
			3+	127	100	75	60	50	43	37	33	30
	2	Standard	1	55	36	26	20	17	14	12	11	9
			2	110	71	52	41	33	28	24	21	19
			3+	111	82	64	52	45	39	35	32	28
		Enhanced	1	55	36	26	20	17	14	12	11	9
			2	110	71	52	41	33	28	24	21	19
			3+	127	106	78	61	50	42	36	32	28
	3	Standard	1	55	36	27	21	18	15	13	12	10
			2	110	72	54	42	35	30	26	23	21
			3+	111	85	65	54	45	39	35	31	28
		Enhanced	1	55	36	27	21	18	15	13	12	10
			2	110	72	54	42	35	30	26	23	21
			3+	127	109	80	64	53	45	39	35	31

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection.

2. Allowable loads shown in this table are based on the lowest value of panel wrinkling, core strength, fastener pullout, end clip disengagement, ultimate disengagement and deflection ratio limits.

3. Structural capacity of the panel supports is not considered in this table.

4. Please contact CENTRIA Engineering for additional information and assistance.

Versawall H+ Panels are 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



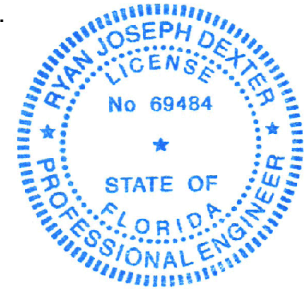
specific building regulations and/or professional engineering law that this 17065 Research Report does not comply with, so that we can cure any non-conformance.⁷ From specifics, we can then delineate a path forward that will serve everyone's best interests regarding free and fair market⁸ competition.

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

¹ The 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.

² Approval 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.

³ Capitalized 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.

⁴ All 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 – 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>.

⁵ Approved 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.

⁶ ANAB 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.

⁷ Where 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.

⁸ Competition 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>.