TEST REPORT

Date	2025-04-17
Report Number	0093-30-2-5934
Client	Engage Building Products
Address	101-4441 76th Ave SE, Calgary, AB T2C 2G8

SUBJECT

Summary conclusion and application of test results derived from ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference,* completed for Easy Trim's QuickPanel 3mm Aluminum Plate Systems.

TEST SUMMARY

Twenty-seven (27) representative wall assemblies have been tested for Transverse Load – Negative Wind Load in accordance with ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*, at EasyTrim Reveals in Calgary, Alberta.

PRODUCT DESCRIPTION

QuickPanel 3mm Aluminum Plate Systems are aluminum panels with back framing stiffeners affixed to framing, serving as an exterior wall covering.

3mm Plate: 100% solid 3003 H14 aluminum with a nominal 3mm thickness, and a maximum width of 62" (1575mm), and can be custom cut to length.

Stiffeners: The stiffeners are two-piece 6063-T6 aluminum shaped in to the dimensions shown in the part drawings in the appendix.

Fasteners And Adhesives: The fastener used is #10-12 x 1-1/2" HWH Self Drilling Screw in to framing, and 1/16" Double sided tape with silicone along the points of contact, frame and stiffener.

Table 1: Quick Panel Test Assemblies Configurations

Test Series	Configuration	Stiffener Fixing	Framing	Fastener	Sheathing
QH2	3 Horizontal Panel Stiffeners @ 30" o/c	Attached QP backplate. One screw through stud and tape to panel.	2x6 18 ga 33 ksi steel stud @ 16" o/c.	#10-12 x 1-1/2" HWH self driving screw c/w EDPM washer, Dowsil 995 silicon and double-sided tape	½" Drywall
QH5	No Stiffeners	None	2x6 18 ga 33 ksi steel stud @ 16" o/c.	#10-12 x 1-1/2" HWH self driving screw c/w EDPM washer, Dowsil 995 silicon and double-sided tape	½" Drywall
QJ1	4 Horizontal Stiffeners @ 24" o/c	Attached to nailing fin of vertical QP backplate. Two screws through stud and tape to panel.	2x6 16 ga 50 ksi steel stud @ 16" o/c.	#10-12 x 1-1/2" HWH self driving screw c/w EDPM washer and double-sided tape	½" Drywall
QJ2	9 Horizontal Stiffeners @ 12" o/c	Attached to nailing fin of vertical QP backplate. Two screws through stud and tape to panel.	2x6 16 ga 50 ksi steel stud @ 16" o/c.	#10-12 x 1-1/2" HWH self driving screw c/w EDPM washer and double-sided tape	½" Drywall
QJ4	4 Horizontal Stiffeners @ 24" o/c	Attached to nailing fin of vertical QP backplate. Two screws through stud and tape to panel.	2x6 18 ga 33 ksi steel stud @ 16" o/c.	#10-12 x 1-1/2" HWH self driving screw c/w EDPM washer and double-sided tape	½" Drywall
QJ6	1 Horizontal stiffener centered	Attached to nailing fin of vertical QP backplate. Two screws through stud and tape to panel.	2x6 18 ga 33 ksi steel stud @ 16" o/c.	#10-12 x 1-1/2" HWH self driving screw c/w EDPM washer and double-sided tape	½" Drywall
QJ7	4 Horizontal Stiffeners @ 24" o/c	Attached to nailing fin of vertical QP backplate. Two screws through stud and tape to panel.	2x6 18 ga 33 ksi steel stud @ 16" o/c.	#10-12 x 1-1/2" HWH self driving screw c/w EDPM washer, Dowsil 995 silicon and double-sided tape	½" Drywall
QJ8	9 Horizontal Stiffeners @ 12" o/c	Attached to nailing fin of vertical QP backplate. Two screws through stud and tape to panel.	2x6 18 ga 33 ksi steel stud @ 16" o/c.	#10-12 x 1-1/2" HWH self driving screw c/w EDPM washer, Dowsil 995 silicon and double-sided tape	½" Drywall
QJ9	1 Horizontal stiffener centered	Attached to nailing fin of vertical QP backplate. Two screws through stud and tape to panel.	2x6 18 ga 33 ksi steel stud @ 16" o/c.	#10-12 x 1-1/2" HWH self driving screw c/w EDPM washer, Dowsil 995 silicon and double-sided tape	½" Drywall

Table 2: Testing Results

Test	Load Data					Allowable Deflection[1,3] at Deflection Service Load				
	Max Load (psf)	Max Load Ave. (psf)	Deviation from Ave.	< 15% Variance	Deflection Service Load (psf)[1]	L/180 Limit (in.)	Measured Deflection (in.)[2]	L/60 Limit (in.)	Measured Deflection (in.)[2]	Measure > Limit
						Wall		Panel		
QH2-1	104.6	117.9	12.7%	OKAY	36.6	0.667	0.078	0.50	0.209	OKAY
QH2-2	135.2		14.7%	OKAY	47.3	0.667	0.124	0.50	0.336	OKAY
QH2-3	114.0		3.4%	OKAY	39.9	0.667	0.158	0.50	0.256	OKAY
QH5-1	60.3	66.6	10.4%	OKAY	21.1	0.667	N/A	1.00	1.46	EXCEEDS[4]
QH5-2	71.0		6.6%	OKAY	24.9	0.667	N/A	1.00	1.47	EXCEEDS[4]
QH5-3	68.6		3%	OKAY	24.0	0.667	N/A	1.00	1.58	EXCEEDS[4]
QJ1-1	176.6	160.8	9.8%	OKAY	61.8	0.667	0.170	0.40	0.203	OKAY
QJ1-2	145.1		10.8%	OKAY	50.8	0.667	0.115	0.40	0.166	OKAY
QJ1-3	160.7		0.06%	OKAY	56.2	0.667	0.181	0.40	0.166	OKAY
QJ2-1	238.0	240.8	1.2%	OKAY	83.3	0.667	0.054	0.20	0.057	OKAY
QJ2-2	224.5		7.3%	OKAY	78.6	0.667	0.172	0.20	0.067	OKAY
QJ2-3	260		7.9%	OKAY	91.0	0.667	0.205	0.20	0.089	OKAY
QJ4-1	190.4	181.6	4.8%	OKAY	66.6	0.667	0.069	0.40	0.108	OKAY
QJ4-2	180.0		0.8%	OKAY	63.0	0.667	0.161	0.40	0.115	OKAY
QJ4-3	174.5		4.1%	OKAY	61.1	0.667	0.150	0.40	0.090	OKAY
QJ6-1	97.8	98.5	0.7%	OKAY	34.2	0.667	0.064	1.00	0.662	OKAY
QJ6-2	106.1		7.7%	OKAY	37.1	0.667	0.216	1.00	0.580	OKAY
QJ6-3	91.6		7.5%	OKAY	32.1	0.667	0.052	1.00	0.176	OKAY
QJ7-1	164.5	176.0	7.0%	OKAY	57.6	0.667	0.142	0.40	0.077	OKAY
QJ7-2	180.7		2.7%	OKAY	63.2	0.667	0.134	0.40	0.156	OKAY
QJ7-3	182.9		3.9%	OKAY	64.0	0.667	0.138	0.40	0.162	OKAY
QJ8-1	306.1	309.5	1.1%	OKAY	107.1	0.667	0.281	0.20	0.015	OKAY
QJ8-2	302.2		2.4%	OKAY	105.8	0.667	0.259	0.20	0.085	OKAY
QJ8-3	320.1		3.4%	OKAY	112.0	0.667	0.269	0.20	0.015	OKAY
QJ9-1	157.8	149.9	5.3%	OKAY	55.2	0.667	0.152	1.00	0.732	OKAY
QJ9-2	143.1		4.7%	OKAY	50.1	0.667	0.103	1.00	0.163	OKAY
QJ9-3	148.9		0.7%	OKAY	52.1	0.667	0.104	1.00	0.794	OKAY

1. Allowable Deflection Service Load is equal to Allowable Design Load multiplied by 0.7.
2. A linear trendline was created for each data set and used to calculate the wall/panel deflection at the Allowable Deflection Service Load of the test series.
3. Span (L) is the distance between anchorage points of the element being considered.
4. The allowable design load for this series will be adjusted in Table 3.

Table 3: Testing Results Sets Summary

Test Configs	Allowable Design Load ASD (psf)[1]
QH2	58.9
QH5	21.1
QJ1	80.4
QJ2	120.4
QJ4	90.8
QJ6	49.2
QJ7	88.0
QJ8	154.7
QJ9	74.9

1. Allowable design load is lesser of:

i. Average max test load divided by safety factor of 2.
ii. Test load divided by 0.7 when panel reaches service deflection limit.
iii. If data set has samples that exceed 15% tolerance, lowest result divided by safety factor of 2.

CONCLUSION

This test report includes twenty-seven (27) representative wall assemblies that have been tested for Transverse Load – Negative Wind Load in accordance with the criteria of ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference)*.

The testing results in Table 2 have been evaluated by engineering design methodology in general accordance with ASCE7-22 and has been prepared in a format with design information that is based on the IBC and NBCC Codes. The results are intended to be for informational purposes at this time and not suitable for distribution or use for code compliance or building design.

SIGNED

This report has been prepared and reviewed on behalf of BOCA by:

Sami Teitzel

2025-04-21
Date

Chris Bowness, P.Eng., P.E.

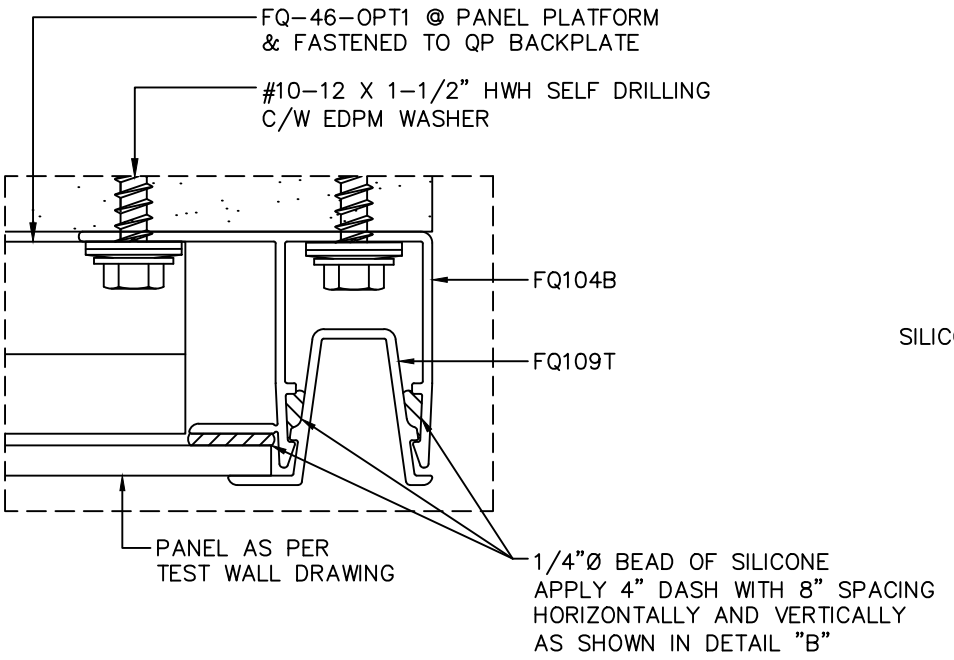
2025-04-21
Date

FILE 0093

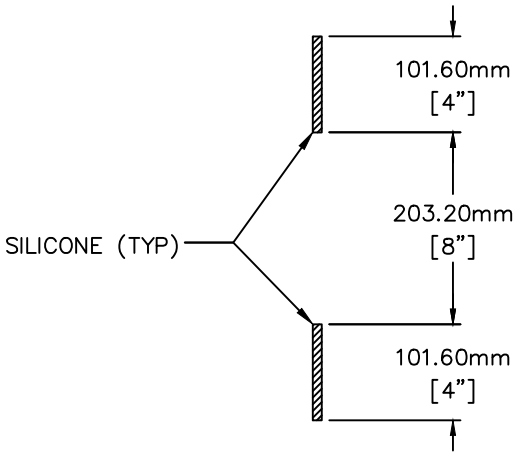
CHRISTOPHER W.C. BOWNESS
STATE OF WASHINGTON
50363
REGISTERED
PROFESSIONAL ENGINEER

ATTACHMENTS:

QH TEST DETAILS 1of1



A QH FAB & SILICONE
Scale: NTS



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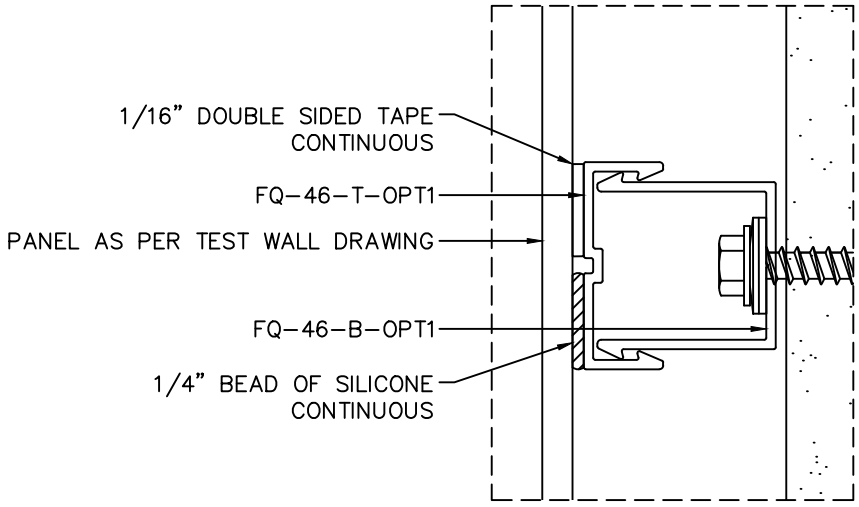
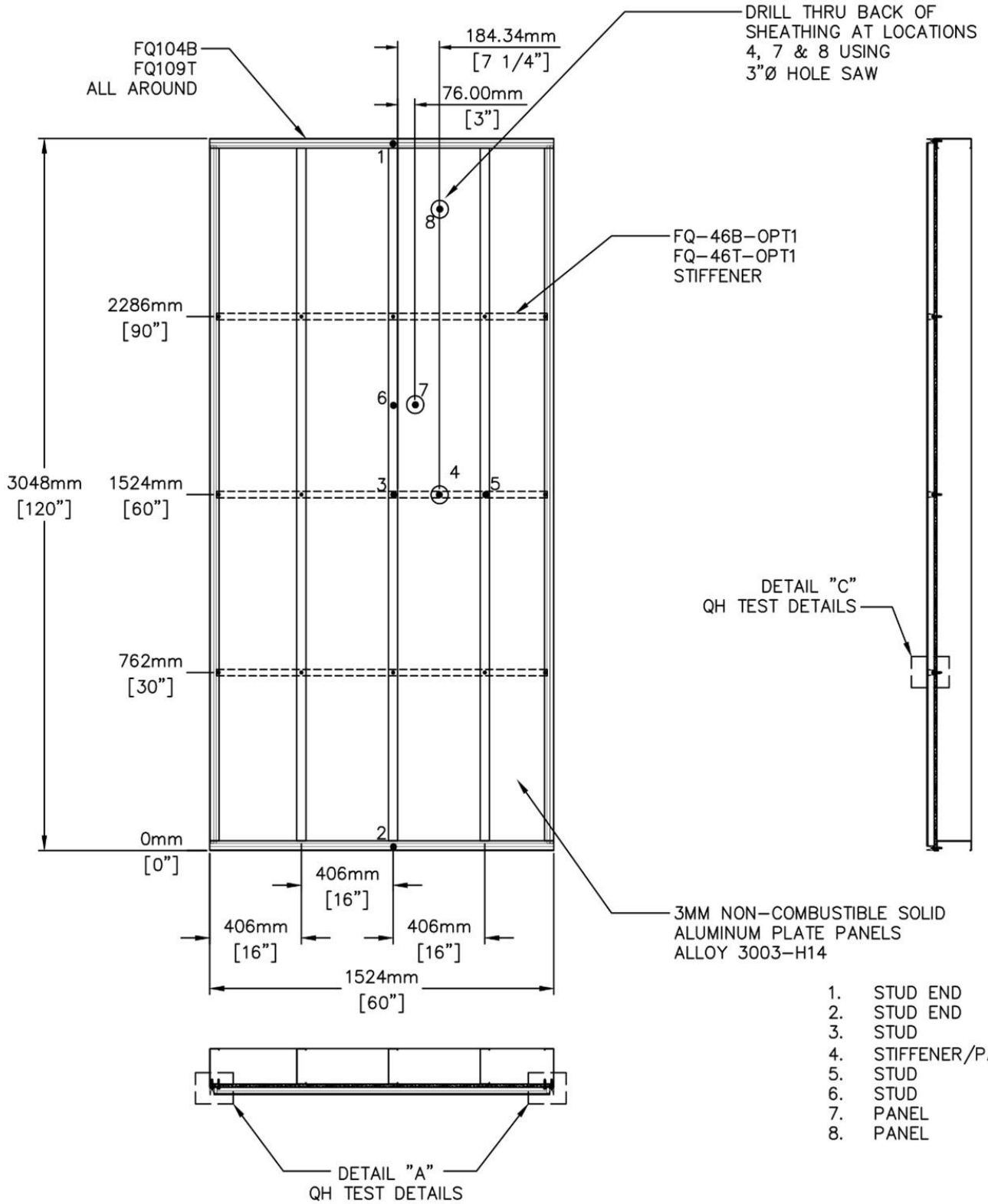


C FQ-46-OPT1 HORIZONTAL STIFFENER
Scale: NTS

SILICONE TO BE DOWSIL 995
SILICONE STRUCTURAL SEALANT

25JUN2024

QH2 TEST WALL

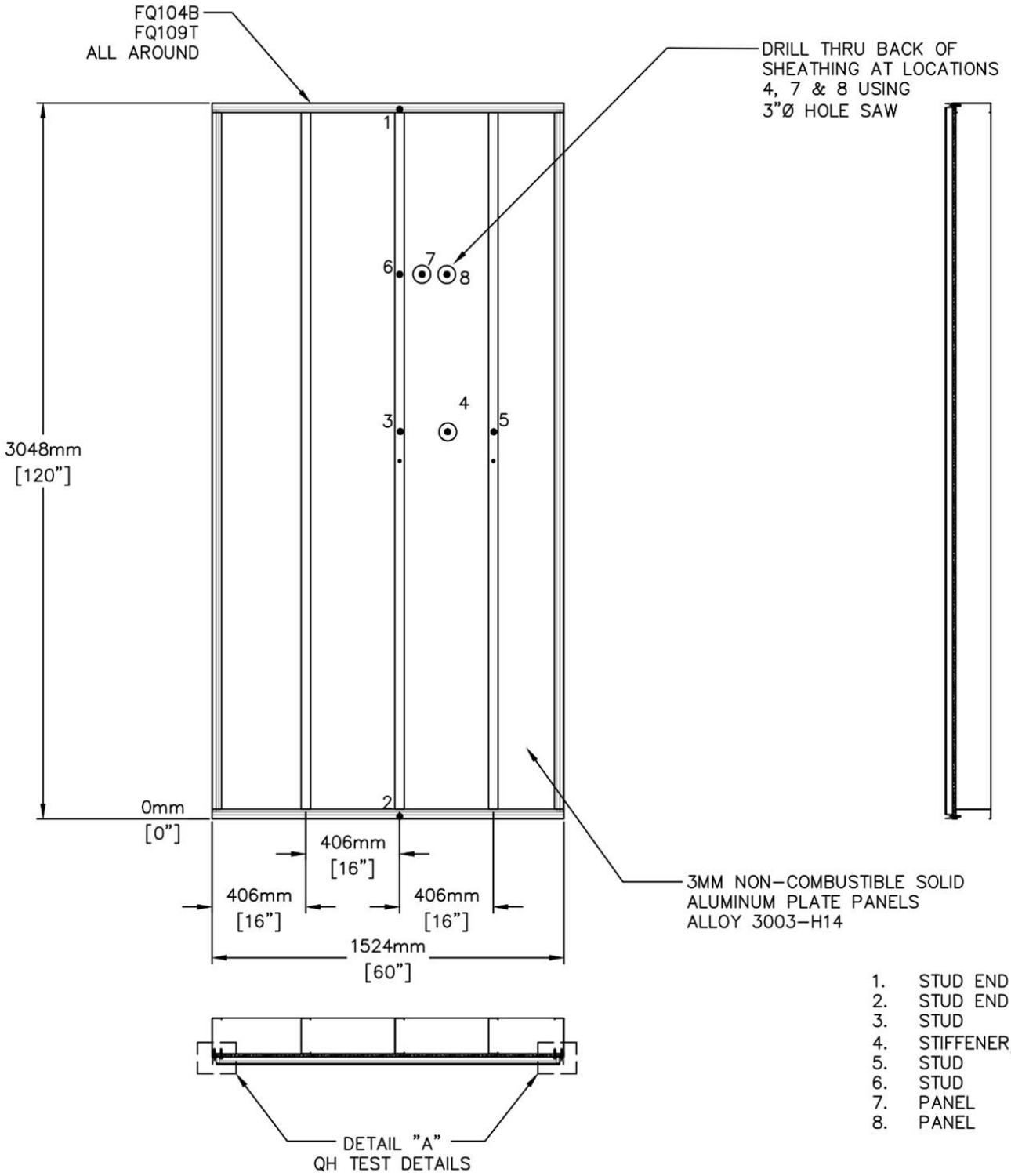


1. STUD END
2. STUD END
3. STUD
4. STIFFENER/PANEL
5. STUD
6. STUD
7. PANEL
8. PANEL

THREE MOCK-UP REQUIRED
2x6 18 Ga.(33KSI) STEEL STUDS W/ 1/2" DENSGLASS
3MM NON-COMBUSTIBLE SOLID ALUMINUM PLATE PANELS ALLOY 3003-H14
#10-12 X 1-1/2" HWH SELF DRILLING C/W EDPM WASHER

SENSORS LOCATION UPDATED 15JUL2024
25JUN2024

QH5 TEST WALL



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5. STUD
6. STUD
7. PANEL
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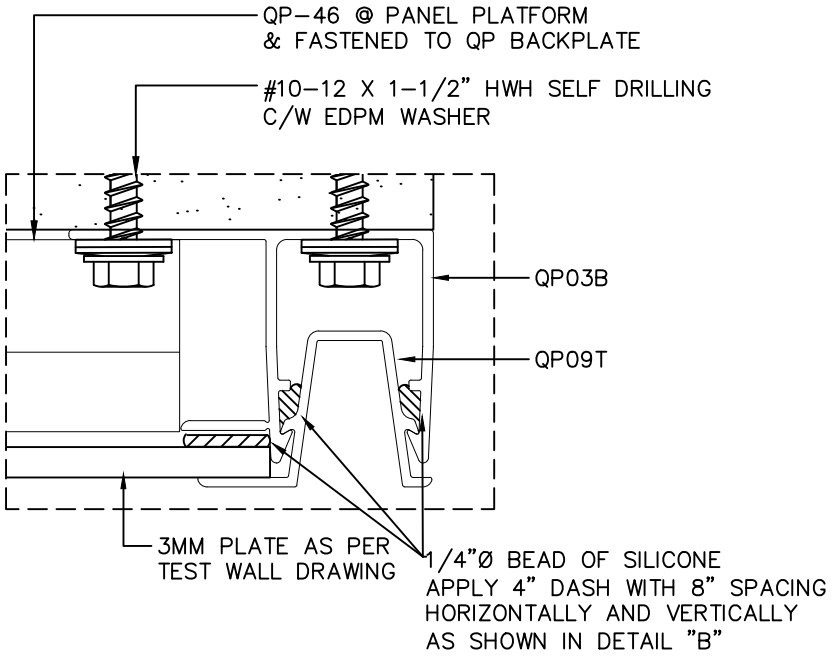
#10-12 X 1-1/2" HWH SELF DRILLING C/W EDPM WASHER

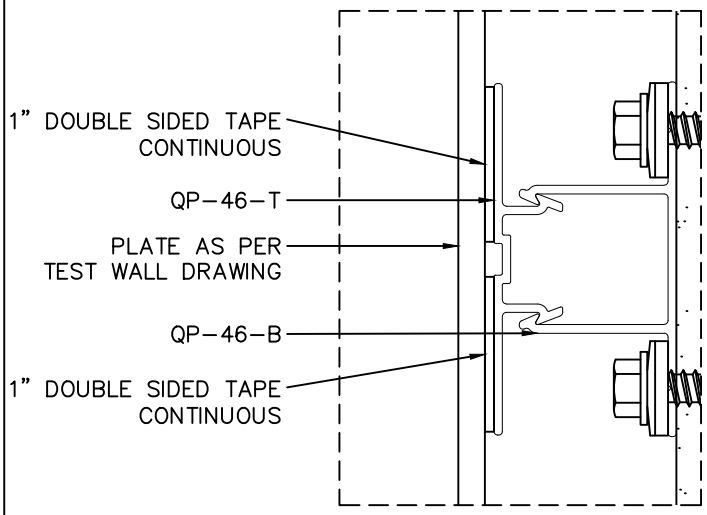
SENSORS LOCATION UPDATED 15JUL2024
25JUN2024

QJ TEST DETAILS 1of1



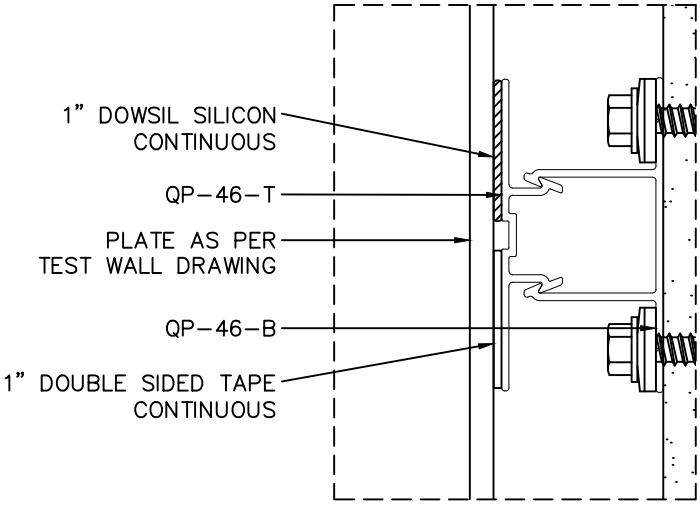
A QI FAB & SILICONE

Scale: NTS



B QP-46-OPT3 HORIZONTAL STIFFENER

Scale: NTS



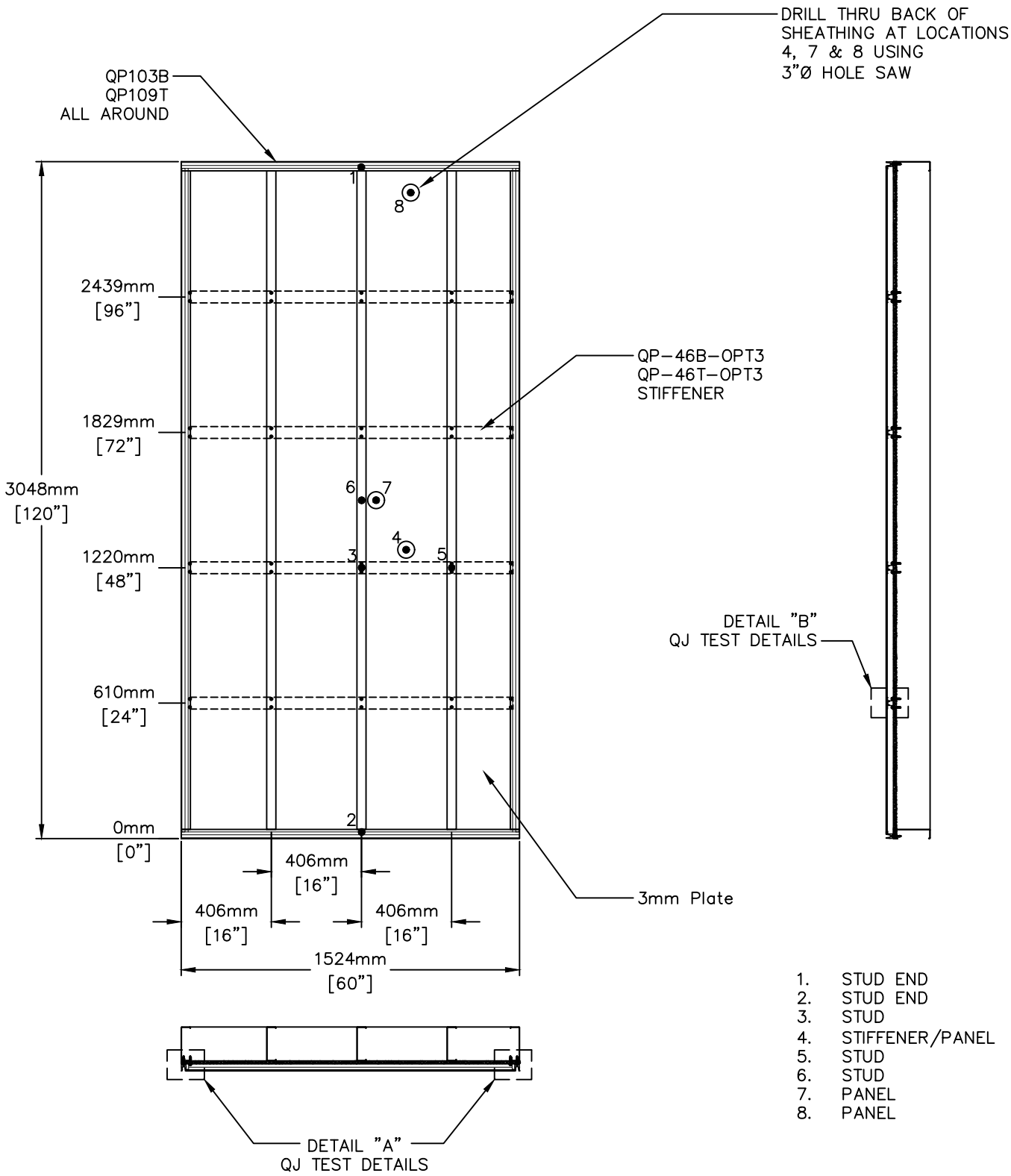
C QP-46-OPT2 HORIZONTAL STIFFENER

Scale: NTS

SILICONE TO BE DOWSIL 995
3M DOUBLE SIDED TAP

25NOV2024

QJ1 TEST WALL



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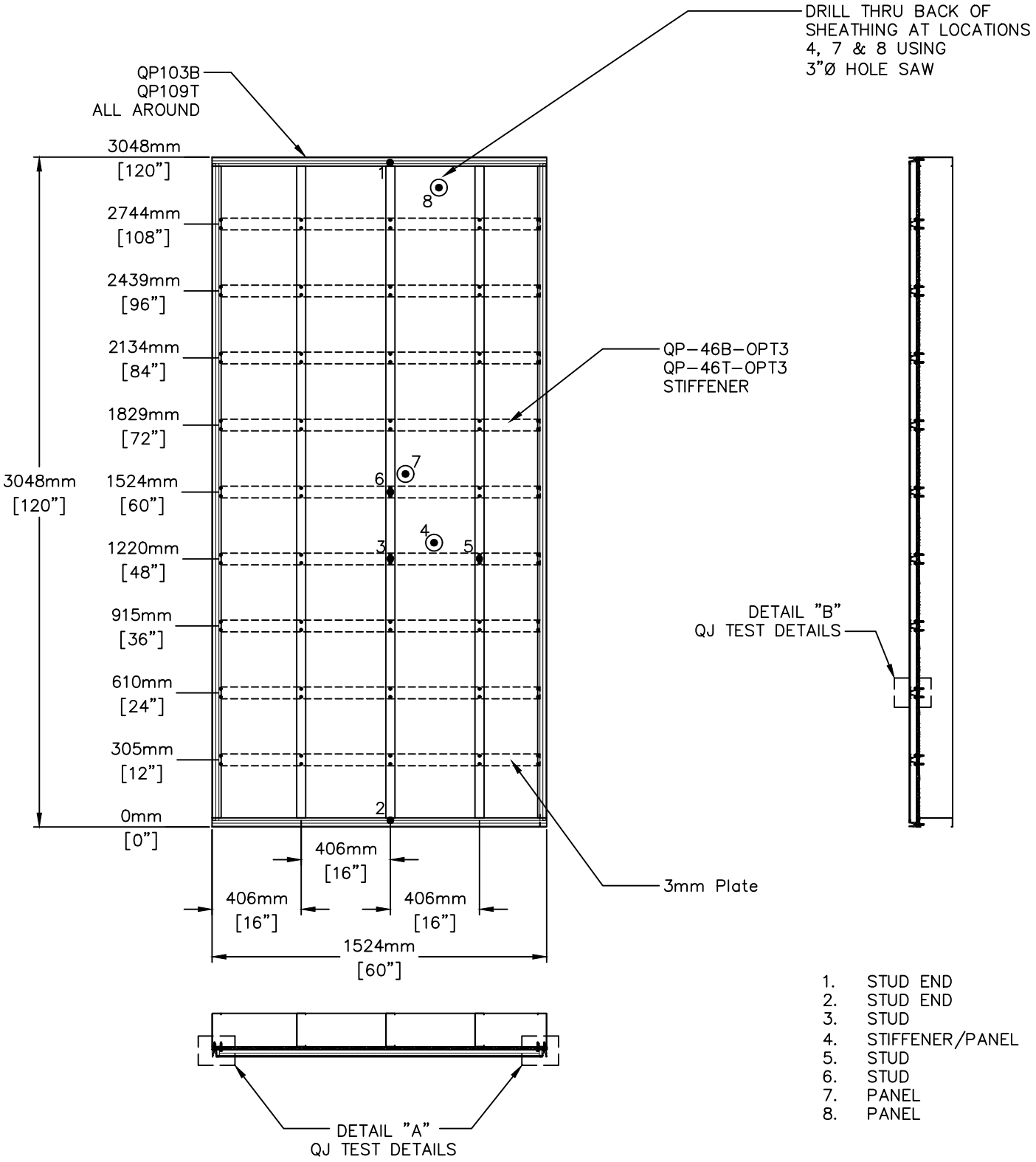
4. STIFFENER/PANEL
5. STUD
6. STUD
7. PANEL
8. PANEL

THREE MOCK-UP REQUIRED
2x6 16 Ga.(50KSI) STEEL STUDS W/ 1/2" DENSGLASS
3MM Plate
#10-12 X 1-1/2" HWH SELF DRILLING C/W EDPM WASHER
DOUBLE SIDED 3M TAPE ON STIFFENERS

25N0V2024

QJ2 TEST WALL



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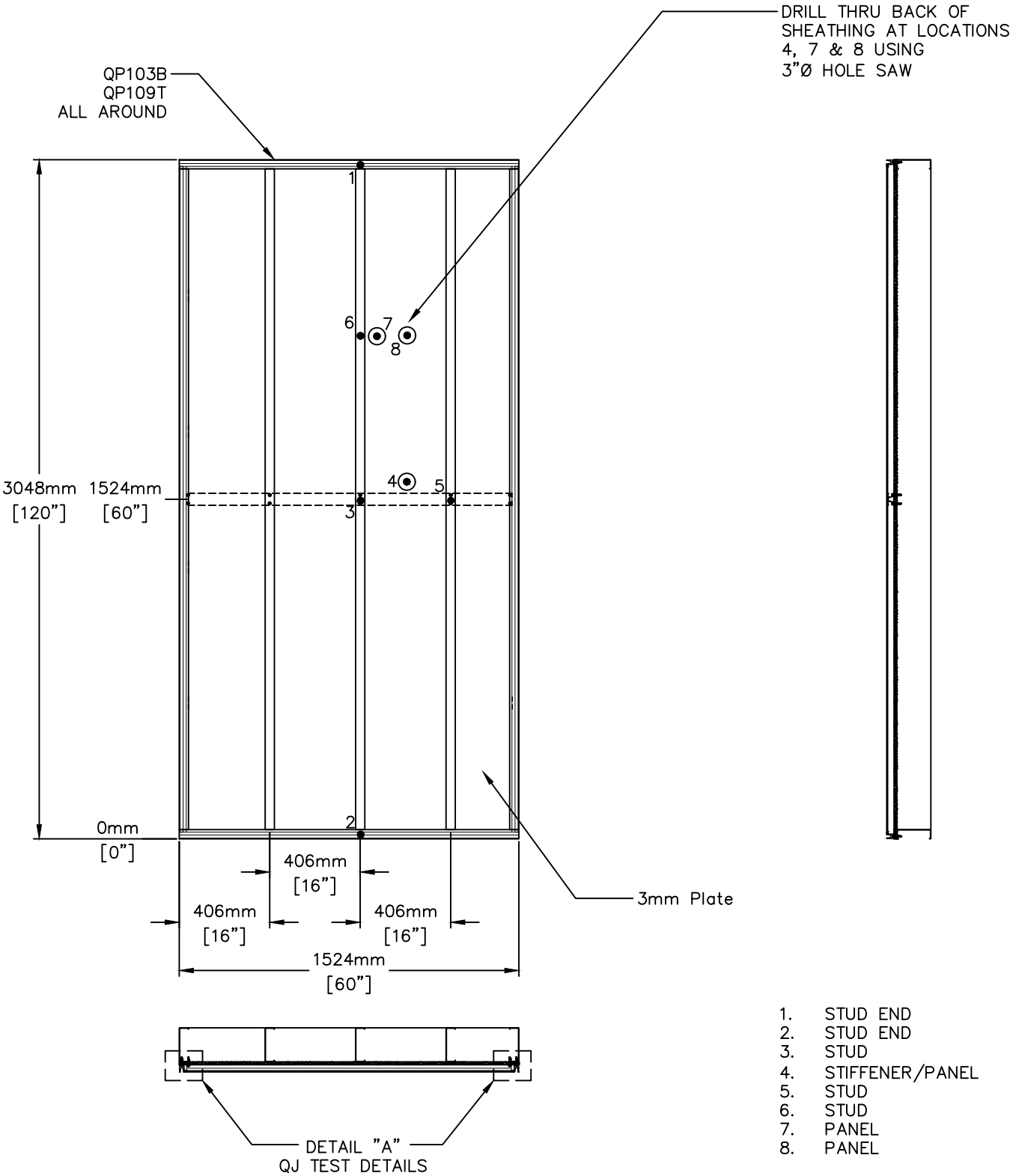
THREE MOCK-UP REQUIRED
2x6 16 Ga.(50KSI) STEEL STUDS W/ 1/2" DENSGLASS
3MM Plate
#10-12 X 1-1/2" HWH SELF DRILLING C/W EDPM WASHER
DOUBLE SIDED 3M TAPE ON PANEL STIFFENERS

25NOV2024

QJ3 TEST WALL



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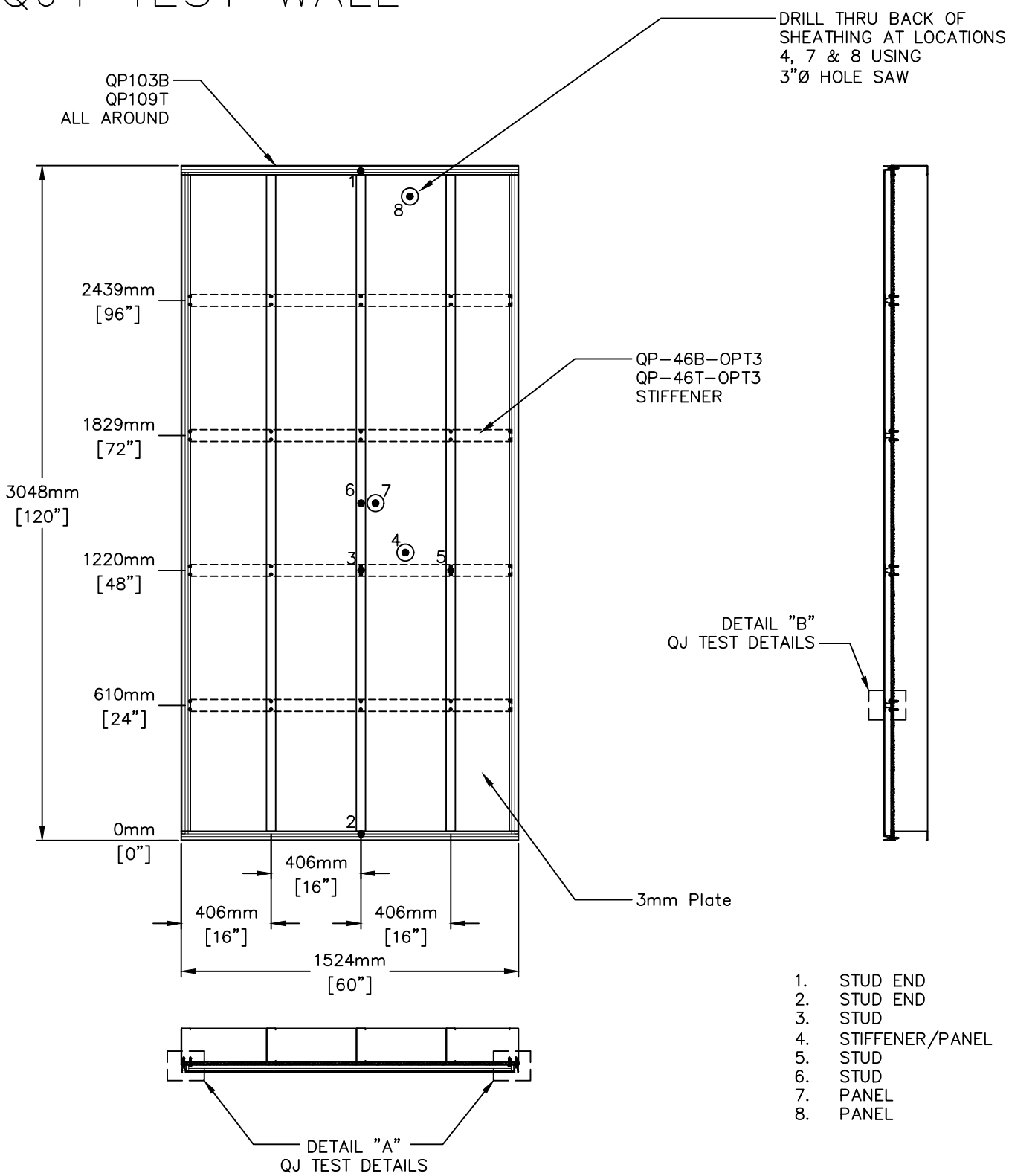
THREE MOCK-UP REQUIRED
2x6 16 Ga.(50KSI) STEEL STUDS W/ 1/2" DENSGLASS
3MM Plate
#10-12 X 1-1/2" HWH SELF DRILLING C/W EDPM WASHER
DOUBLESIDED TAPE ON PANEL STIFFENER

25NOV2024

QJ4 TEST WALL



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4. STIFFENER/PANEL
5. STUD
6. STUD
7. PANEL
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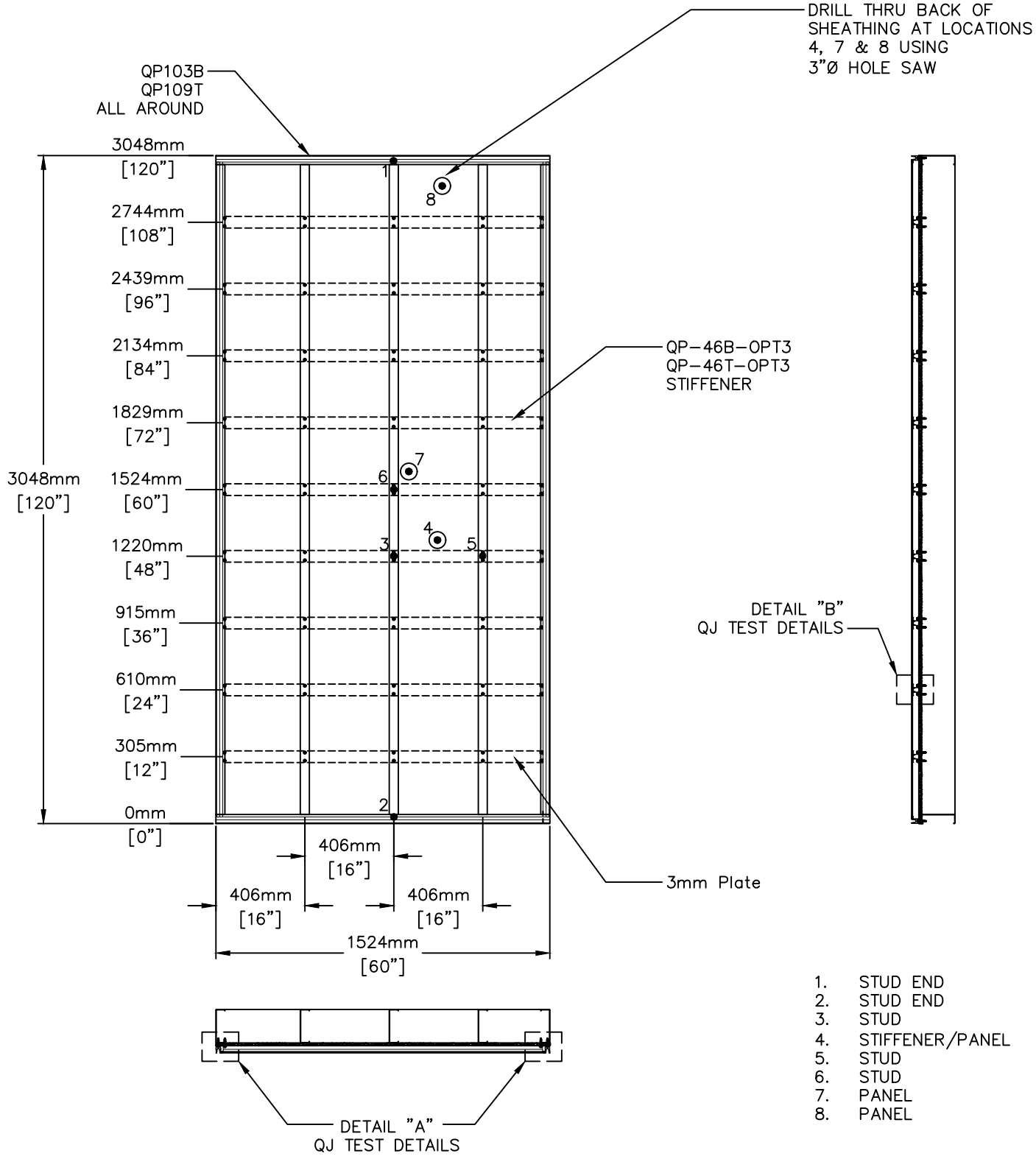
THREE MOCK-UP REQUIRED
2x6 18 Ga.(33KSI) STEEL STUDS W/ 1/2" DENSGLASS
3MM Plate
#10-12 X 1-1/2" HWH SELF DRILLING C/W EDPM WASHER
DOUBLE SIDED 3M TAPE ON STIFFENERS

25NOV2024

QJ5 TEST WALL



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THREE MOCK-UP REQUIRED
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DOUBLE SIDED 3M TAPE ON PANEL STIFFENERS

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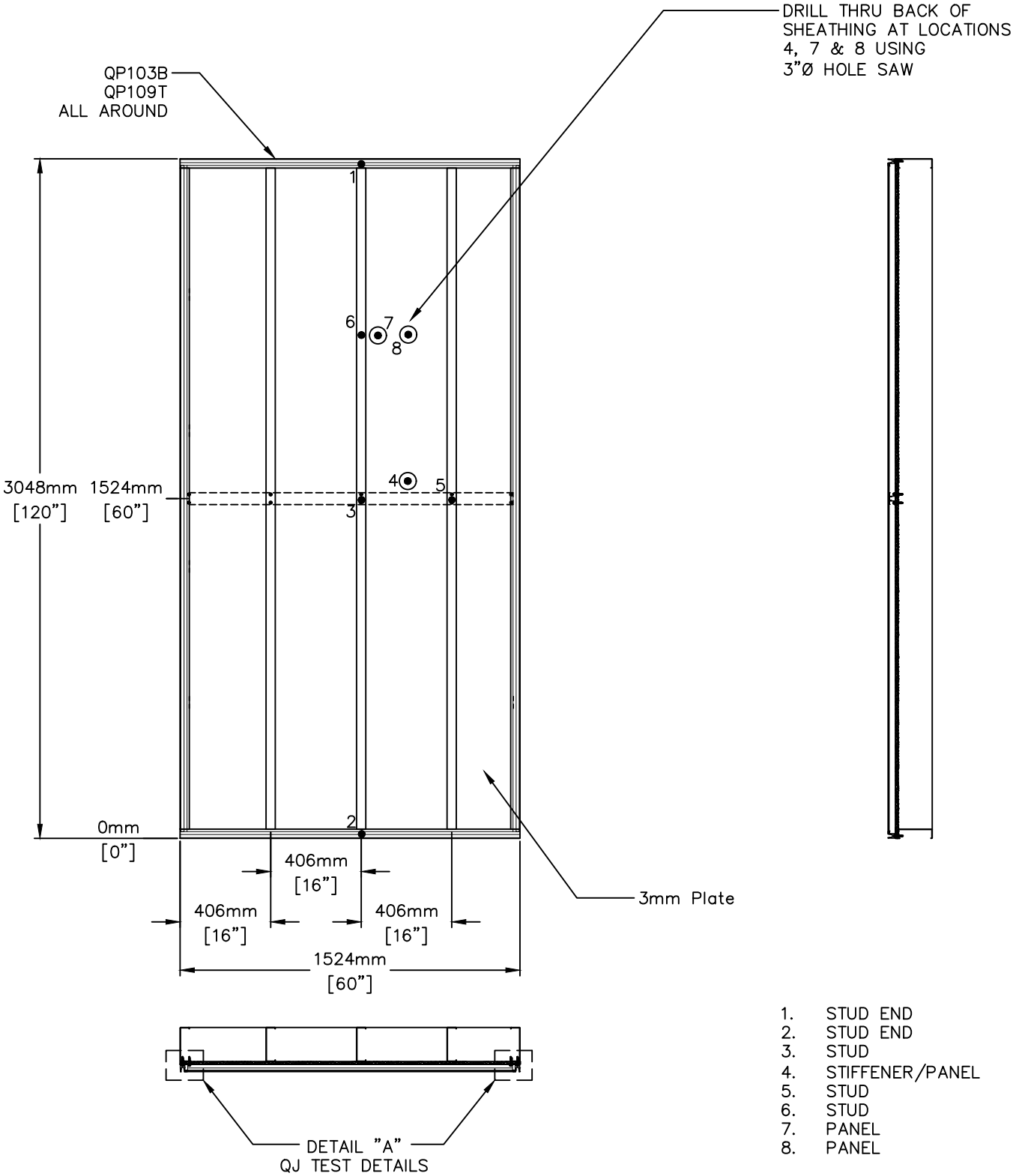
QJ6 TEST WALL



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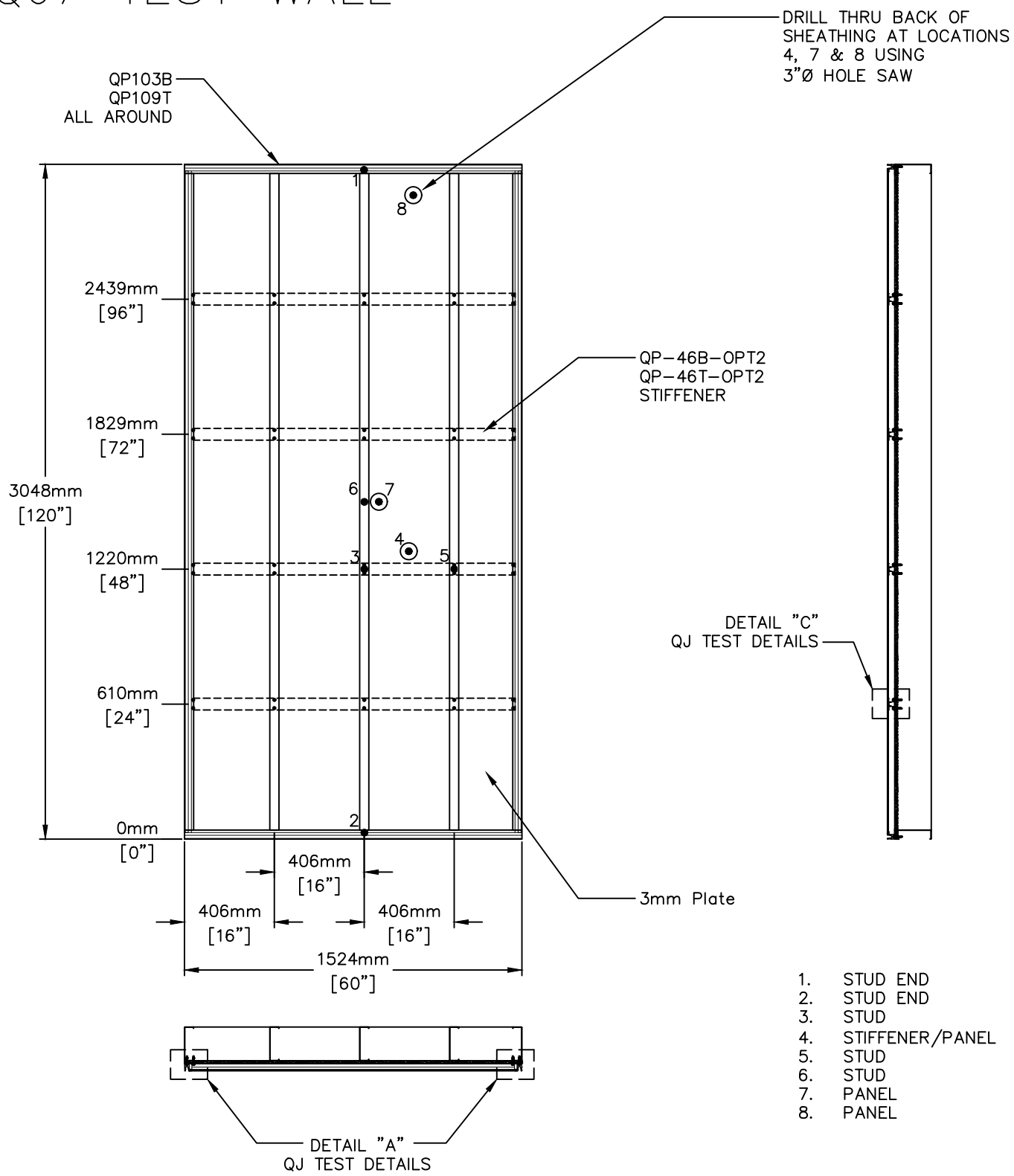
THREE MOCK-UP REQUIRED
2x6 18 Ga.(33KSI) STEEL STUDS W/ 1/2" DENSGLASS
3MM Plate
#10-12 X 1-1/2" HWH SELF DRILLING C/W EDPM WASHER
DOUBLESIDED TAPE ON PANEL STIFFENER

25NOV2024

QJ7 TEST WALL



1. STUD END
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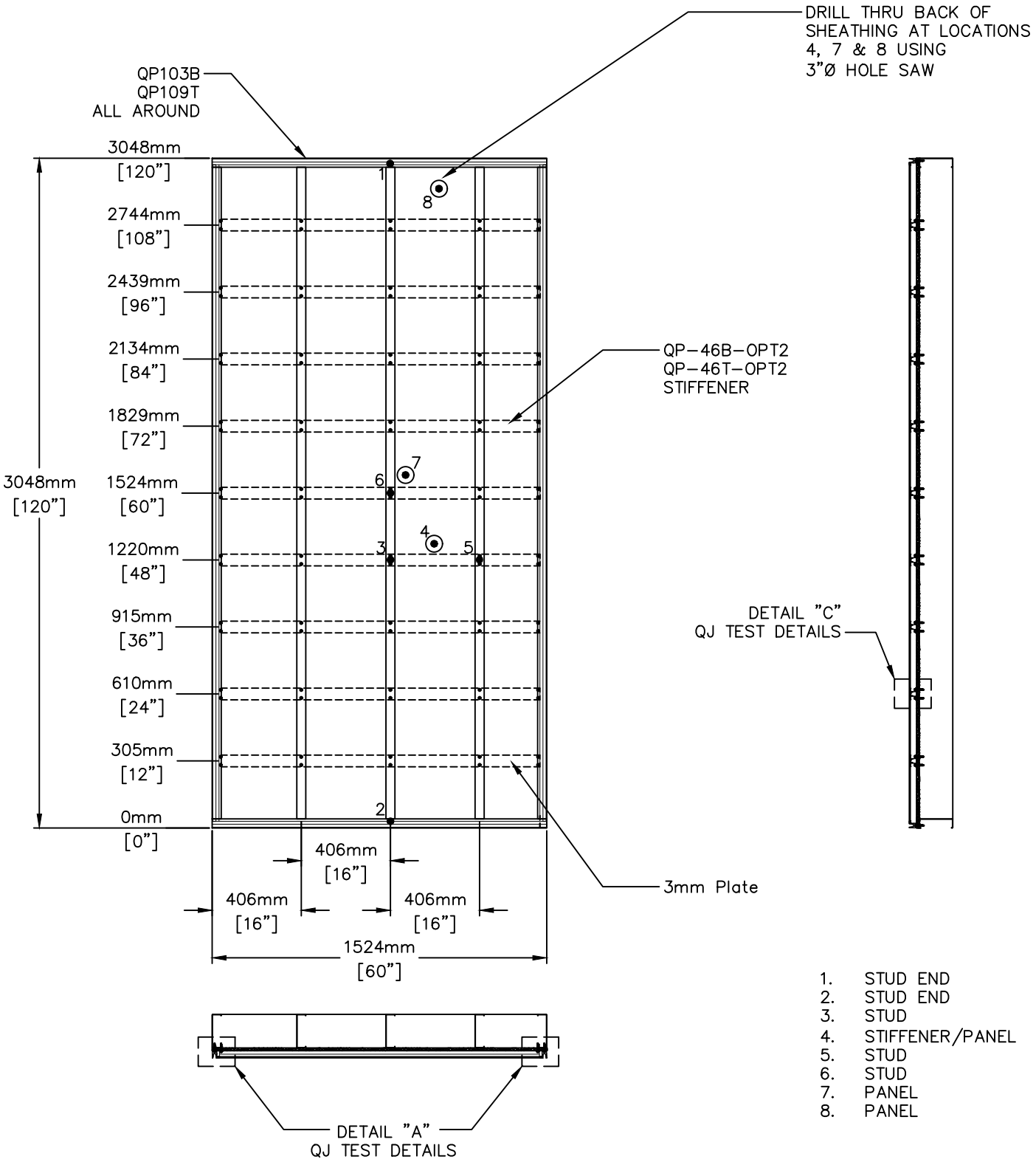
THREE MOCK-UP REQUIRED
2x6 18 Ga.(33KSI) STEEL STUDS W/ 1/2" DENSGLASS
3MM Plate
#10-12 X 1-1/2" HWH SELF DRILLING C/W EDPM WASHER
DOUBLE SIDED 3M TAPE & SILICON ON STIFFENERS

25NOV2024

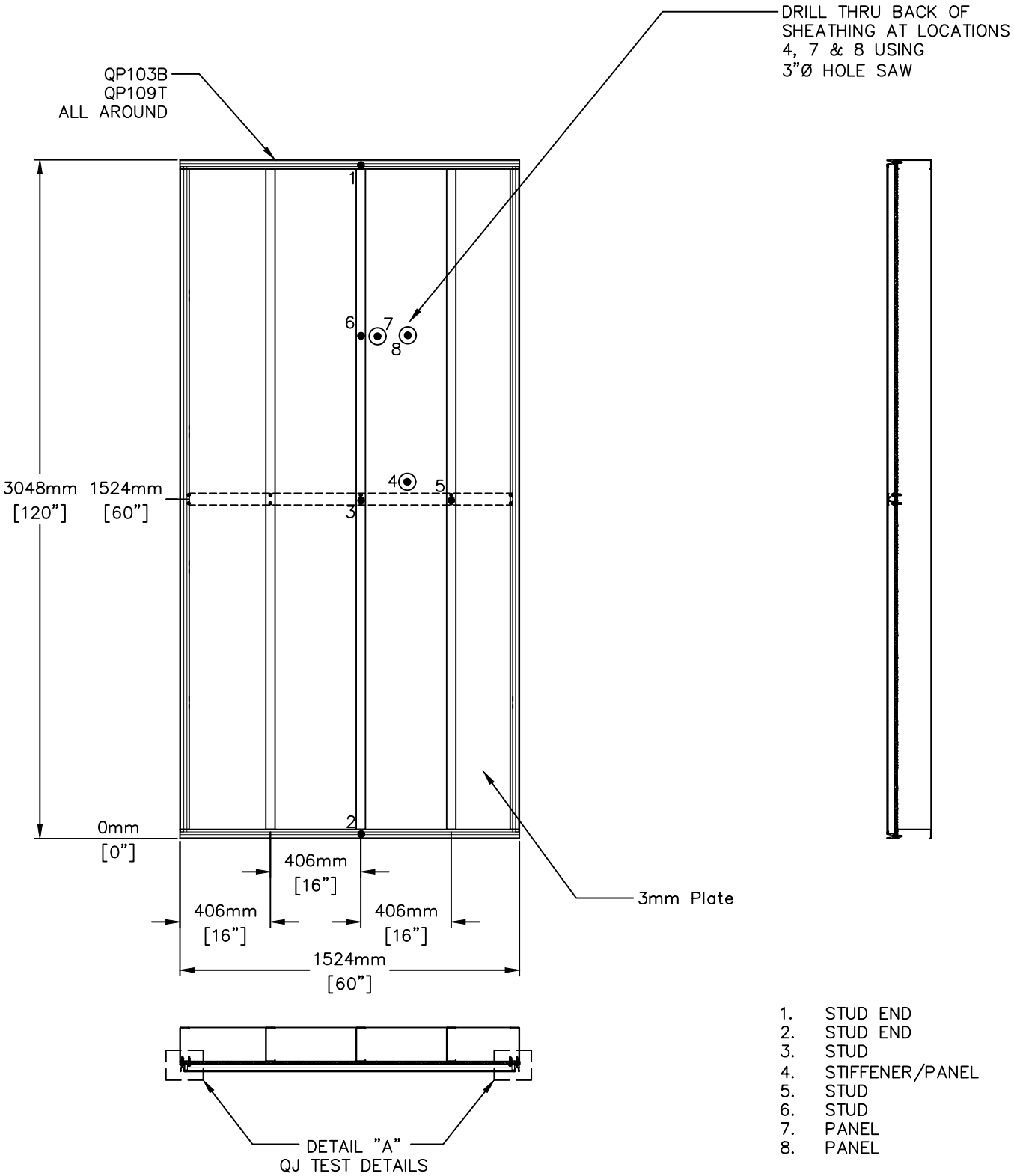
QJ8 TEST WALL



THREE MOCK-UP REQUIRED
2x6 18 Ga.(33KSI) STEEL STUDS W/ 1/2" DENSGLASS
3MM Plate
#10-12 X 1-1/2" HWH SELF DRILLING C/W EDPM WASHER
DOUBLE SIDED 3M TAPE & SILICON ON PANEL STIFFENERS

25NOV2024

QJ9 TEST WALL



1. STUD END
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THREE MOCK-UP REQUIRED
2x6 18 Ga.(33KSI) STEEL STUDS W/ 1/2" DENSGLASS
3MM Plate
#10-12 X 1-1/2" HWH SELF DRILLING C/W EDPM WASHER
DOUBLESIDED 3M TAPE & SILICON ON PANEL STIFFENER

25NOV2024

Test: **Transverse Load - Negative Wind Load** **Test#: QH2-1** Project#: 0093
Client: Easy Trim Technician(s): Ali, Sam, Jordan
Date: 15-08-2024 Reviewer: Chris
Product: **Quick Panel** Location: 101-4441 76 Ave. SE Calgary AB T2C2
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

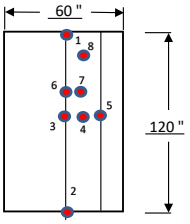
Installation:
Configuration: Panel Stiffeners 30" o/c
Framing: 2x6 steel stud, 33ksi
Fastener: #10-12x1-1/2 Self Drilling
Sheathing: 1/2" densglass
Air Seal: Tape used to air seal panel gaps, tape will not influece test results

Equipment:
Pressure Chamber
Motor: Core Sensors Model: CS10 - 2400
Press. Controller: S/N - G205141344
Pressure Sensors:
+/- 2 kPa: p/n 1136
+/- 7 kPa: p/n 1137
50 kPa: p/n 1138
Phidget: S/N - 5015249240311

Deflection Gauges(Phidget potentiometers)

Sensor 1:	S/N - F29B
Sensor 2:	S/N - 9BFA
Sensor 3:	S/N - 87CE
Sensor 4:	S/N - F16B
Sensor 5:	S/N - F14E
Sensor 6:	S/N - F28I
Sensor 7:	S/N - F174
Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud End
Gauge 2: Stud End
Gauge 3: Stud
Gauge 4: Stiffener
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	2:20 PM	Temp:	24.1 °C
Finish:	2:55 PM	%RH	44 %RH

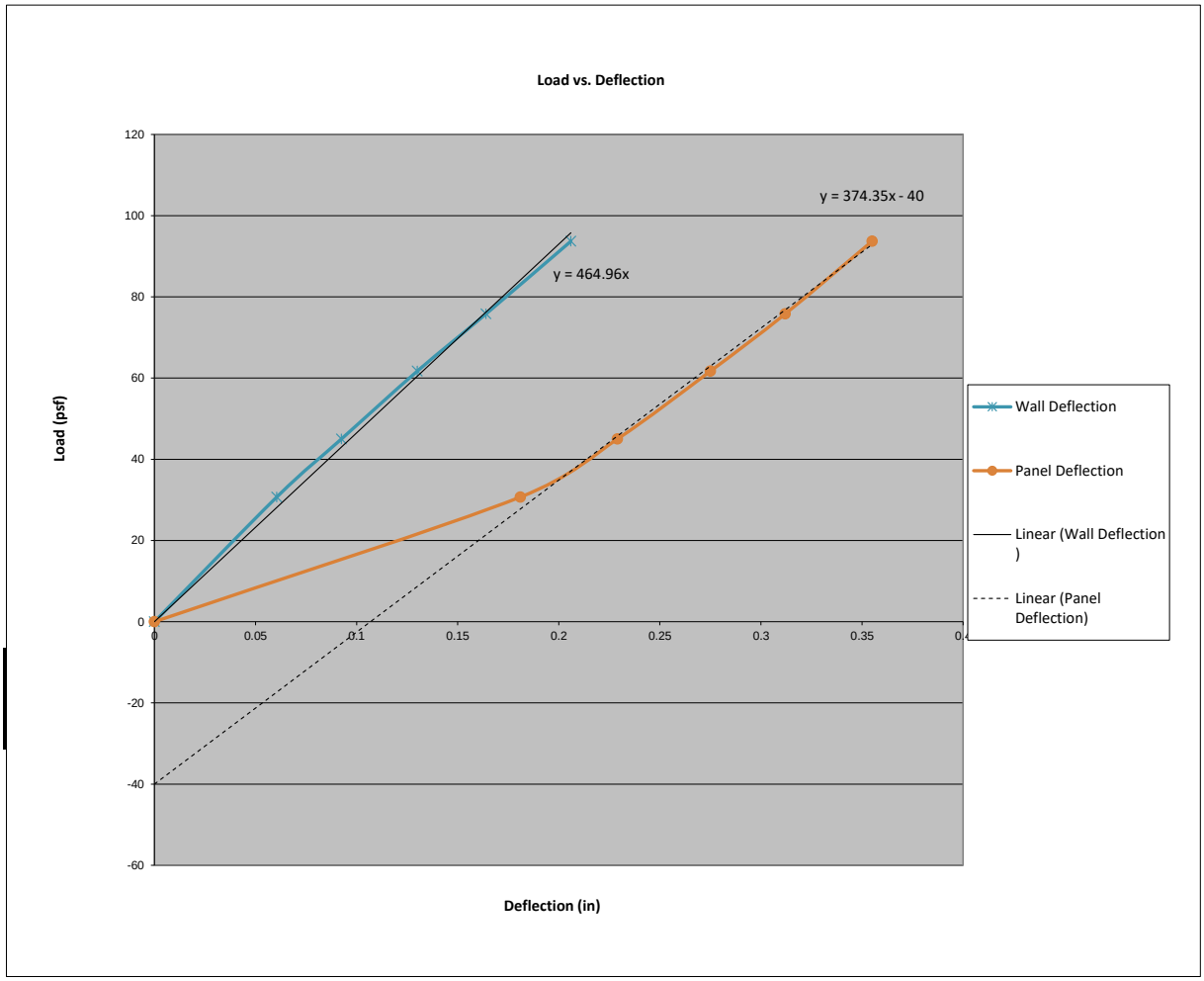
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	30

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15.8*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins									
30	*30.7*	10 sec.	*0.148*	*0.089*	*0.179*	*0.218*	*0.148*	*0.182*	*0.363*	*0.244*	
0		1-5mins	*0.014*	*0.014*	*0.014*	*0.016*	*0.013*	*0.015*	*0.016*	*0.015*	
45	*45*	10 sec.	*0.209*	*0.134*	*0.264*	*0.324*	*0.211*	*0.269*	*0.498*	*0.315*	
0		1-5mins	*0.025*	*0.028*	*0.028*	*0.033*	*0.025*	*0.029*	*0.031*	*0.027*	
60	*61.7*	10 sec.	*0.264*	*0.188*	*0.356*	*0.444*	*0.289*	*0.365*	*0.64*	*0.4*	
0		1-5mins	*0.035*	*0.043*	*0.043*	*0.05*	*0.038*	*0.044*	*0.046*	*0.038*	
75	*75.8*	10 sec.	*0.302*	*0.232*	*0.431*	*0.547*	*0.352*	*0.438*	*0.75*	*0.451*	
0		1-5mins	*0.041*	*0.052*	*0.053*	*0.066*	*0.046*	*0.054*	*0.058*	*0.044*	
90	*93.7*	10 sec.	*0.346*	*0.284*	*0.521*	*0.672*	*0.426*	*0.527*	*0.882*	*0.524*	
0		1-5mins	*0.047*	*0.063*	*0.062*	*0.081*	*0.055*	*0.063*	*0.075*	*0.052*	
105	*104.6*	10 sec.	*0.373*	*0.314*	*0.576*	*0.753*	*0.471*	*0.579*	*0.964*	*0.563*	
0		1-5mins	*0.051*	*0.07*	*0.068*	*0.095*	*0.062*	*0.07*	*0.091*	*0.059*	

		Mode of Failure
Max Load (psf)	**104.6**	Screws were let go from the back plate of panel stiffeners and steel stud

Test#:	QH2-1	
Max Load	104.6	psf
Allowable Design Load (ASD) = Max Load / 2	52.3	psf
Deflection Service Load (ASD) = Allowable * 0.7	36.6	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.500	in
Wall Deflection @ Deflection Service Load (ASD)	0.0787	in
Panel Deflection @ Deflection Service Load (ASD)	0.2087	in



Target Load (psf)	Wall Deflection (= ga 3 - (ga 1 + ga 2)/2) (in)	Panel Deflection (= ga 7 - ga 6
0.0	0.000	0.000
30.7	0.061	0.181
45.0	0.093	0.229
61.7	0.130	0.275
75.8	0.164	0.312
93.7	0.206	0.355
104.6	0.233	0.385

Test: **Transverse Load - Negative Wind Load** **Test#: QH2-2** Project#: 0093
Client: Easy Trim Technician(s): Ali
Date: 04-10-2024 Reviewer: Chris
Product: **Quick Panel** Location: 101-4441 76 Ave. SE Calgary AB T2C2
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: Panel Stiffeners 30" o/c
Framing: 2x6 steel stud, 33ksi
Fastener: #10-12x1-1/2 Self Drilling
Sheathing: 1/2" densglass
Air Seal: Tape used to air seal panel gaps, tape will not influece test results

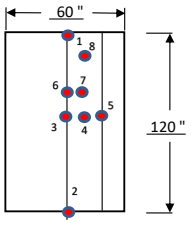
Equipment:

Pressure Chamber
Motor: Core Sensors Model: CS10 - 2400
Press. Controller: S/N - G205141344
Pressure Sensors:
+/- 2 kPa: p/n 1136
+/- 7 kPa: p/n 1137
50 kPa: p/n 1138
Phidget: S/N - 5015249240311

Deflection Gauges(Phidget potentiometers)

Sensor 1:	S/N - F29B
Sensor 2:	S/N - 9BFA
Sensor 3:	S/N - 87CE
Sensor 4:	S/N - F16B
Sensor 5:	S/N - F14E
Sensor 6:	S/N - F28I
Sensor 7:	S/N - F174
Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud End
Gauge 2: Stud End
Gauge 3: Stud
Gauge 4: Stiffener
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	1:52 PM	Temp:	18.9 °C
Finish:	2:24 PM	%RH	30 %RH

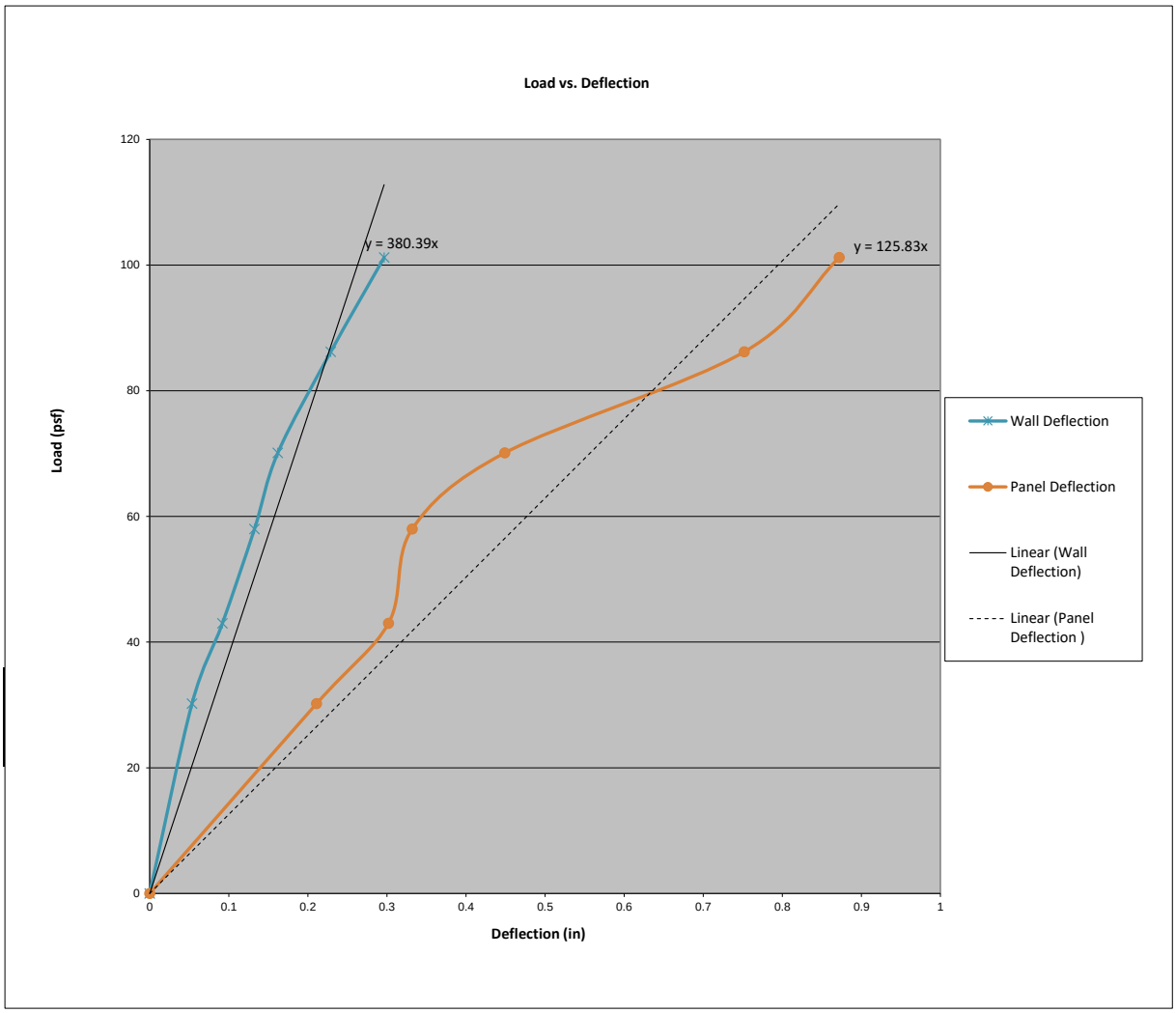
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	30

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins									
30	*30.2*	10 sec.	*0.164*	*0.053*	*0.162*	*0.156*	*0.106*	*0.091*	*0.302*	*0.168*	
0		1-5mins	*0.008*	*0.005*	*0.005*	*0.004*	*0.004*	*0.008*	*0.009*	*0.009*	
45	*43*	10 sec.	*0.236*	*0.09*	*0.255*	*0.245*	*0.168*	*0.137*	*0.439*	*0.265*	
0		1-5mins	*0.02*	*0.014*	*0.017*	*0.015*	*0.013*	*0.021*	*0.023*	*0.023*	
60	*58*	10 sec.	*0.3*	*0.125*	*0.345*	*0.336*	*0.224*	*0.174*	*0.506*	*0.364*	
0		1-5mins	*0.034*	*0.023*	*0.028*	*0.026*	*0.021*	*0.031*	*0.035*	*0.035*	
70	*70.1*	10 sec.	*0.338*	*0.148*	*0.405*	*0.398*	*0.26*	*0.198*	*0.647*	*0.433*	
0		1-5mins	*0.045*	*0.03*	*0.035*	*0.035*	*0.027*	*0.04*	*0.043*	*0.042*	
85	*86.2*	10 sec.	*0.389*	*0.183*	*0.515*	*0.509*	*0.325*	*0.04*	*0.792*	*0.556*	
0		1-5mins	*0.047*	*0.03*	*0.04*	*0.04*	*0.029*	*0.044*	*0.044*	*0.044*	
100	*101.2*	10 sec.	*0.43*	*0.201*	*0.612*	*0.621*	*0.38*	*0.04*	*0.912*	*0.681*	
0		1-5mins	*0.053*	*0.041*	*0.052*	*0.032*	*0.044*	*0.04*	*0.055*	*0.042*	
110	*112*	10 sec.	*0.468*	*0.235*	*0.731*	*0.725*	*0.437*	*0.04*	*1.025*	*0.82*	
0		1-5mins	*0.058*	*0.044*	*0.066*	*0.025*	*0.052*	*0.04*	*0.05*	*0.055*	
120	*135.2*	10 sec.	*0.656*	*0.255*	*1.085*	*1.042*	*0.475*	*0.042*	*1.125*	*1.168*	
0		1-5mins	*0.192*	*0.042*	*0.44*	*0.681*	*0.112*	*0.04*	*0.757*	*0.56*	

		Mode of Failure
Max Load (psf)	**135.2**	Top cap of stiffener disengaged from the back plate of the stiffener.

Test#:	QH2-2	
Max Load	135.2	psf
Allowable Design Load (ASD) = Max Load / 2	67.6	psf
Deflection Service Load (ASD) = Allowable * 0.7	47.3	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.500	in
Wall Deflection @ Deflection Service Load (ASD)	0.1244	in
Panel Deflection @ Deflection Service Load (ASD)	0.3364	in



Target Load (psf)	Wall Deflection (= ga 3 - (ga 2 + ga 1)/2) (in)	panel Deflection (= ga7 - ga 6)
0.0	0.000	0.000
30.2	0.054	0.211
43.0	0.092	0.302
58.0	0.133	0.332
70.1	0.162	0.449
86.2	0.229	0.752
101.2	0.297	0.872
112.0	0.380	0.985
135.2	-0.809	1.083

Test: **Transverse Load - Negative Wind Load** **Test#: QH2-3** Project#: 0093
Client: Easy Trim Technician(s): Ali
Date: 04-10-2024 Reviewer: Chris
Product: **Quick Panel** Location: 101-4441 76 Ave. SE Calgary AB T2C2
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

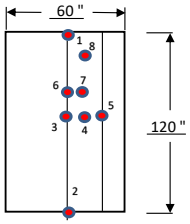
Installation:
Configuration: Panel Stiffeners 30" o/c
Framing: 2x6 steel stud, 33ksi
Fastener: #10-12x1-1/2 Self Drilling
Sheathing: 1/2" densglass
Air Seal: Tape used to air seal panel gaps, tape will not influece test results

Equipment:
Pressure Chamber
Motor: Core Sensors Model: CS10 - 24(
Press. Controller: S/N - G205141344
Pressure Sensors:
+/- 2 kPa: p/n 1136
+/- 7 kPa: p/n 1137
50 kPa: p/n 1138
Phidget: S/N - 5015249240311

Deflection Gauges(Phidget potentiometers)

Sensor 1:	S/N - F29B
Sensor 2:	S/N - 9BFA
Sensor 3:	S/N - 87CE
Sensor 4:	S/N - F16B
Sensor 5:	S/N - F14E
Sensor 6:	S/N - F28I
Sensor 7:	S/N - F174
Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud End
Gauge 2: Stud End
Gauge 3: Stud
Gauge 4: Stiffener
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	8:50 AM	Temp:	18 °C
Finish:	9:27 AM	%RH	32 %RH

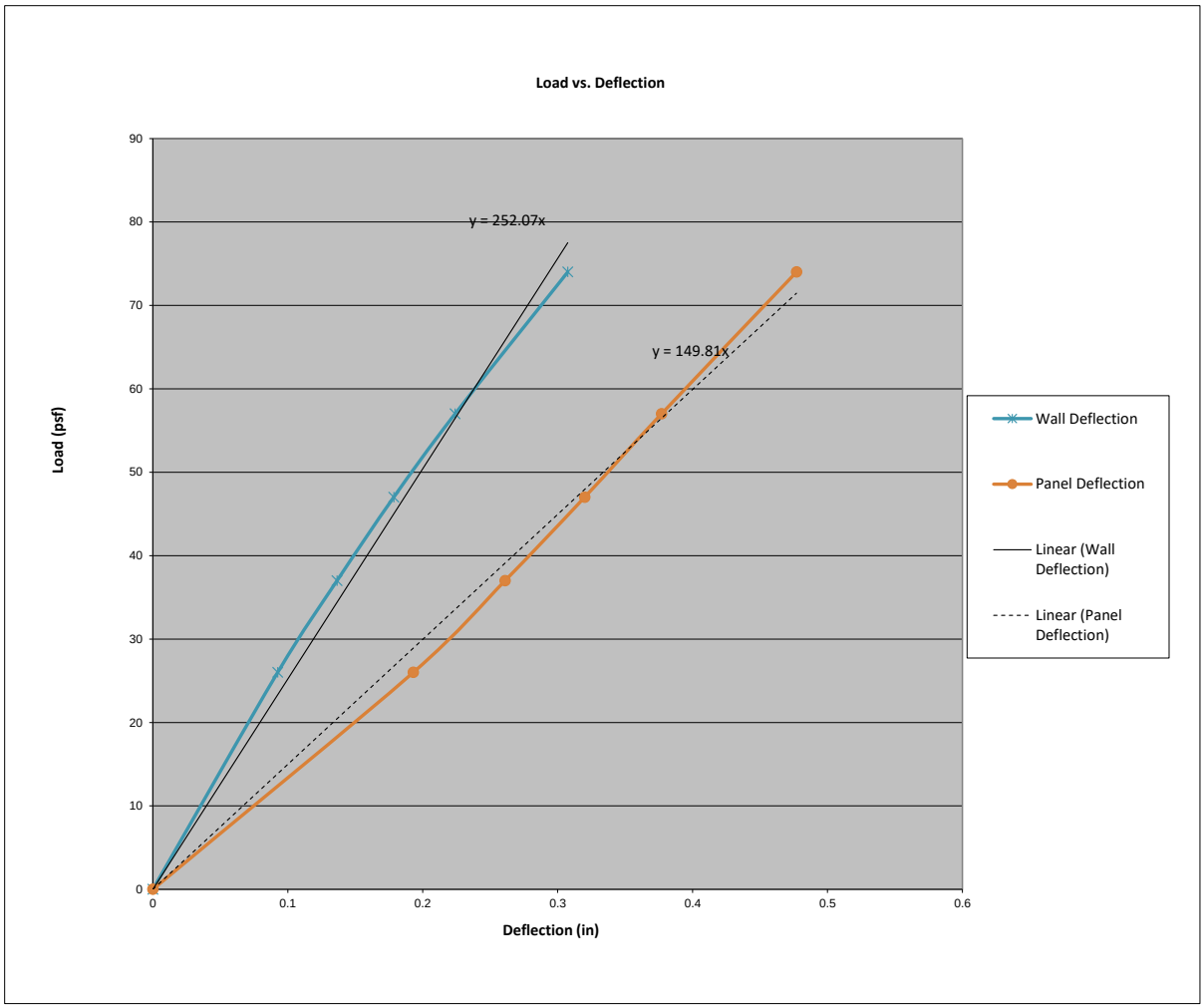
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	30

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	**17.5**	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins									
30	**26.0**	10 sec.	0.049	0.070	0.152	0.212	0.114	0.115	0.308	0.149	
0		1-5mins	0.003	0.008	0.008	0.007	0.006	0.007	0.007	0.008	
40	**37.0**	10 sec.	0.073	0.100	0.223	0.297	0.174	0.158	0.419	0.217	
0		1-5mins	0.007	0.016	0.017	0.013	0.015	0.008	0.013	0.004	
50	**47.0**	10 sec.	0.095	0.126	0.289	0.374	0.224	0.193	0.513	0.286	
0		1-5mins	0.011	0.024	0.023	0.020	0.019	0.014	0.021	0.013	
60	**57.0**	10 sec.	0.118	0.150	0.358	0.471	0.285	0.227	0.604	0.356	
0		1-5mins	0.018	0.031	0.035	0.044	0.029	0.018	0.032	0.013	
75	**74.0**	10 sec.	0.152	0.187	0.477	0.680	0.381	0.277	0.754	0.475	
0		1-5mins	0.028	0.040	0.051	0.068	0.043	0.025	0.042	0.027	
95	**95.0**	10 sec.	0.201	0.235	0.633	0.822	0.504	0.343	0.061	0.652	
0		1-5mins	0.033	0.051	0.071	0.104	0.062	0.031	0.064	0.043	
115	**114.0**	10 sec.	0.254	0.282	0.815	0.877	0.648	0.404	1.199	0.868	
0		1-5mins	0.041	0.061	0.095	0.160	0.081	0.039	0.110	0.062	

		Mode of Failure
Max Load (psf)	**114.0**	Top cap of panel stiffener disengaged from back plate.

Test#:	QH2-3	
Max Load	114.0	psf
Allowable Design Load (ASD) = Max Load / 2	57.0	psf
Deflection Service Load (ASD) = Allowable * 0.7	39.9	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.500	in
Wall Deflection @ Deflection Service Load (ASD)	0.1583	in
Panel Deflection @ Deflection Service Load (ASD)	0.2565	in



Target Load (psf)	Wall Deflection (= ga 3 - (ga 2 + ga 1)/2) (in)	Panel Deflection (= ga 7 - ga 6)
0.0	0.000	0.000
26.0	0.093	0.193
37.0	0.137	0.261
47.0	0.179	0.320
57.0	0.224	0.377
74.0	0.308	0.477
95.0	0.415	-0.282
114.0	0.547	0.795

Test: **Transverse Load - Negative Wind Load** **Test#: QH5-1** Project#: 0093
Client: Easy Trim Technician(s): Ali, Jordan
Date: 23-09-2024 Reviewer: Chris
Product: **Quick Panel** Location: 101-4441 76 Ave. SE Calgary AB T2C2
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

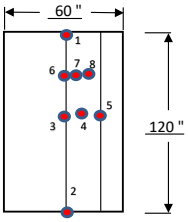
Installation:
Configuration: No Panel Stiffeners
Framing: 2x6 steel stud, 33ksi
Fastener: #10-12x1-1/2 Self Drilling
Sheathing: 1/2" densglass
Air Seal: Tape used to air seal panel gaps, tape will not influece test results

Equipment:
Pressure Chamber
Motor: Core Sensors Model: CS10 - 2400
Press. Controller: S/N - G205141344
Pressure Sensors:
+/- 2 kPa: p/n 1136
+/- 7 kPa: p/n 1137
50 kPa: p/n 1138
Phidget: S/N - 5015249240311

Deflection Gauges(Phidget potentiometers)

Sensor 1:	S/N - F29B
Sensor 2:	S/N - 9BFA
Sensor 3:	S/N - 87CE
Sensor 4:	S/N - F16B
Sensor 5:	S/N - F14E
Sensor 6:	S/N - F28I
Sensor 7:	S/N - F174
Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud End
Gauge 2: Stud End
Gauge 3: Stud
Gauge 4: Stiffener
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	2:09 PM	Temp:	21 °C
Finish:	2:33 PM	%RH	37 %RH

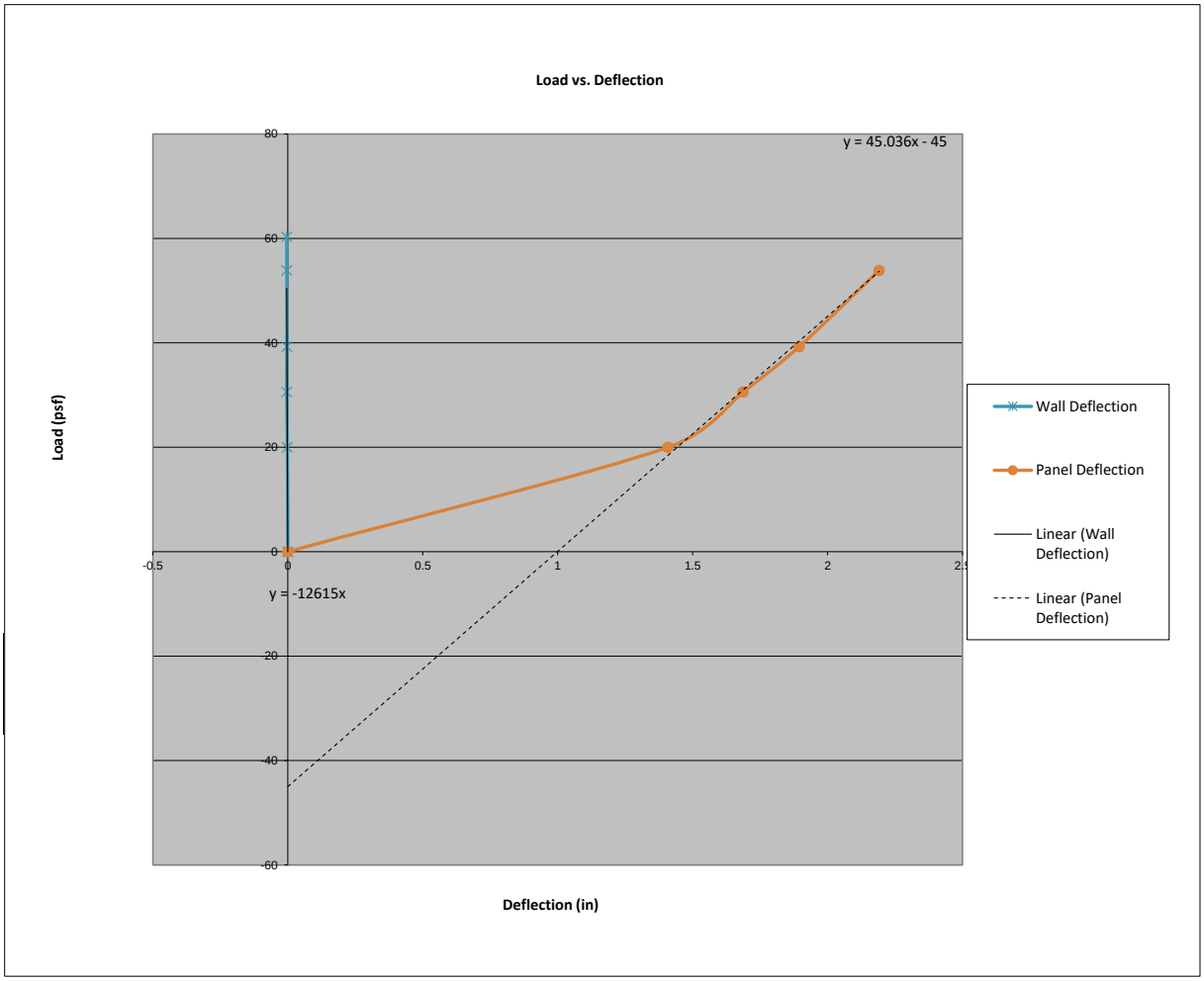
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	60

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	**11.0**	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins									
20	**20.0**	10 sec.	*0.028*	*0.021*	*0.023*	*1.430*	*0.020*	*1.199*	*1.259*	*0.025*	
0		1-5mins	*0.004*	*0.010*	*0.007*	*0.056*	*0.006*	*0.044*	*0.044*	*0.005*	
30	**30.6**	10 sec.	*0.039*	*0.033*	*0.032*	*1.719*	*0.032*	*1.449*	*1.507*	*0.035*	
0		1-5mins	*0.007*	*0.015*	*0.010*	*0.113*	*0.010*	*0.091*	*0.089*	*0.008*	
40	**39.3**	10 sec.	*0.045*	*0.041*	*0.040*	*1.935*	*0.039*	*1.638*	*1.698*	*0.042*	
0		1-5mins	*0.009*	*0.018*	*0.013*	*0.156*	*0.013*	*0.127*	*0.123*	*0.010*	
50	**53.9**	10 sec.	*0.054*	*0.051*	*0.049*	*2.242*	*0.052*	*1.916*	*1.975*	*0.050*	
0		1-5mins	*0.011*	*0.022*	*0.016*	*0.237*	*0.017*	*0.186*	*0.181*	*0.012*	
60	**60.3**	10 sec.	*0.058*	*0.058*	*0.054*	*2.435*	*0.057*	*2.090*	*2.157*	*0.051*	
0		1-5mins	*0.012*	*0.026*	*0.018*	*0.293*	*0.019*	*0.233*	*0.229*	*0.014*	

		Mode of Failure
Max Load (psf	**60.3**	ACM Panel disengaged from the top cap of the side trims all around.

Test#:	QH5-1	
Max Load	60.3	psf
Allowable Design Load (ASD) = Max Load / 2	30.2	psf
Deflection Service Load (ASD) = Allowable * 0.7	21.1	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	1.000	in
Wall Deflection @ Deflection Service Load (ASD)	-0.0017	in
Panel Deflection @ Deflection Service Load (ASD)	1.4937	in



Target Load (psf)	Wall Deflection (= ga 3 - (ga 1 + ga 2)/2) (in)	panel Deflection (= ga 4 - (ga 3 + ga 5)/2
0.0	0.000	0.000
20.0	-0.002	1.409
30.6	-0.004	1.687
39.3	-0.003	1.896
53.9	-0.004	2.192
60.3	-0.004	2.380

Test: **Transverse Load - Negative Wind Load** **Test#: QH5-2** Project#: 0093
Client: Easy Trim Technician(s): Ali
Date: 23-09-2024 Reviewer: Chris
Product: **Quick Panel** Location: 101-4441 76 Ave. SE Calgary AB T2C2
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: No Panel Stiffeners
Framing: 2x6 steel stud, 33ksi
Fastener: #10-12x1-1/2 Self Drilling
Sheathing: 1/2" densglass
Air Seal: Tape used to air seal panel gaps, tape will not influece test results

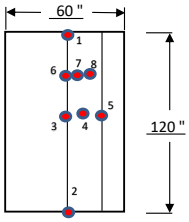
Equipment:

Pressure Chamber
Motor: Core Sensors Model: CS10 - 2400
Press. Controller: S/N - G205141344
Pressure Sensors:
+/- 2 kPa: p/n 1136
+/- 7 kPa: p/n 1137
50 kPa: p/n 1138
Phidget: S/N - 5015249240311

Deflection Gauges(Phidget potentiometers)

Sensor 1:	S/N - F29B
Sensor 2:	S/N - 9BFA
Sensor 3:	S/N - 87CE
Sensor 4:	S/N - F16B
Sensor 5:	S/N - F14E
Sensor 6:	S/N - F28I
Sensor 7:	S/N - F174
Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud End
Gauge 2: Stud End
Gauge 3: Stud
Gauge 4: Stiffener
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	3:33 PM	Temp:	21.4 °C
Finish:	4:10 PM	%RH	37 %RH

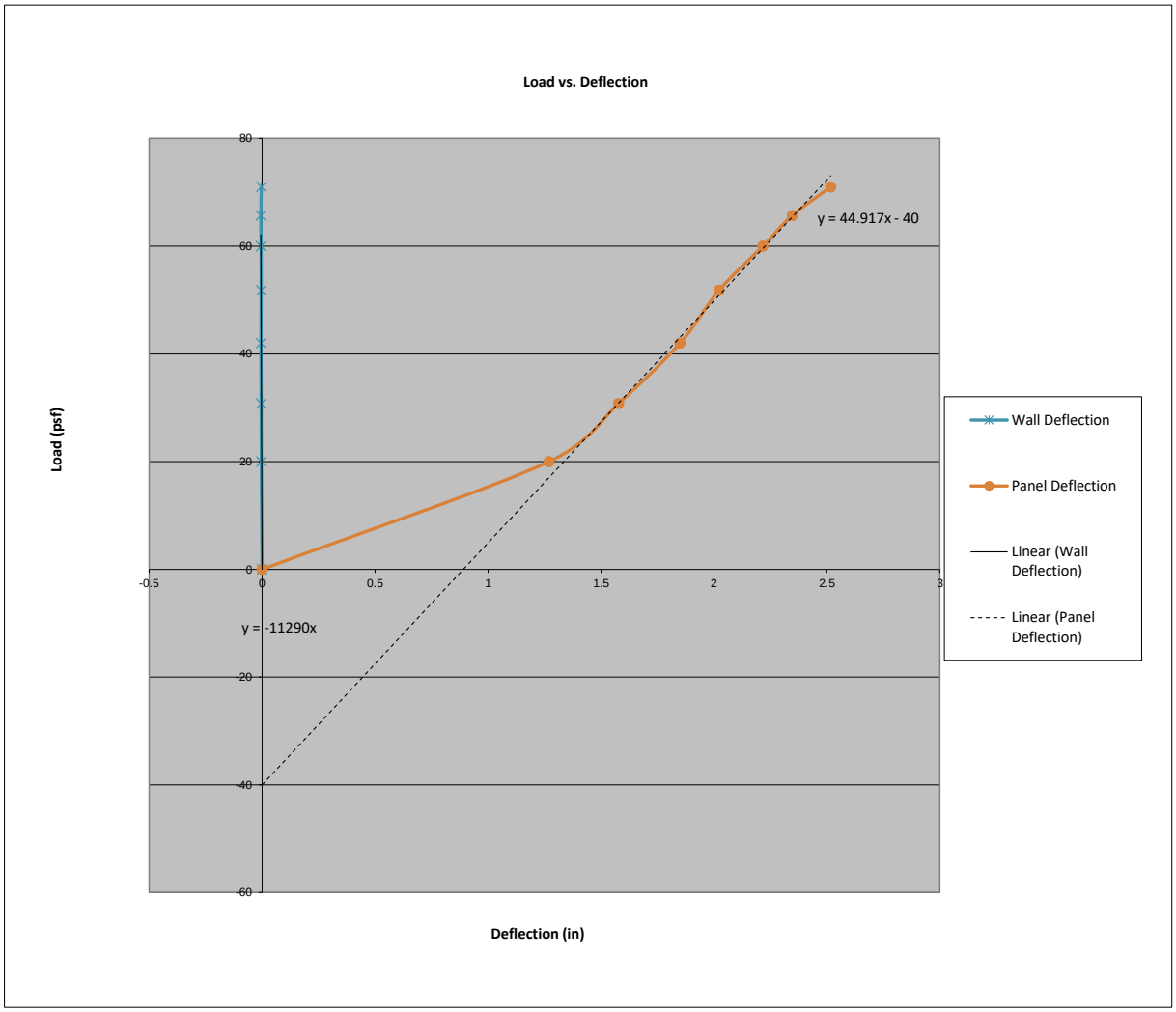
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	60

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	**15.0**	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0	**0.0**	1-5mins	Zero Deflection Gauges								
20	**20.0**	10 sec.	0.011	0.010	0.007	1.274	0.001	1.058	1.080	0.009	
0		1-5mins	0.002	0.004	0.003	0.021	0.003	0.027	0.022	0.002	
30	**30.8**	10 sec.	0.020	0.024	0.018	1.590	0.006	1.330	1.357	0.019	
0		1-5mins	0.005	0.008	0.005	0.035	0.006	0.044	0.040	0.004	
40	**42.0**	10 sec.	0.031	0.037	0.029	1.871	0.013	1.579	1.605	0.031	
0		1-5mins	0.006	0.011	0.007	0.046	0.008	0.057	0.053	0.006	
50	**51.8**	10 sec.	0.037	0.047	0.038	2.051	0.019	1.732	1.760	0.038	
0		1-5mins	0.007	0.014	0.008	0.055	0.009	0.069	0.063	0.007	
60	**60.0**	10 sec.	0.045	0.058	0.047	2.250	0.020	1.895	1.917	0.048	
0		1-5mins	0.009	0.018	0.010	0.097	0.020	0.101	0.095	0.009	
70	**65.7**	10 sec.	0.050	0.065	0.052	2.383	0.020	1.998	2.015	0.052	
0		1-5mins	0.009	0.019	0.011	0.111	0.020	0.115	0.110	0.010	
80	**71.0**	10 sec.	0.054	0.069	0.058	2.556	0.020	2.143	2.513	0.053	

		Mode of Failure
Max Load (psf)	**71.0**	ACM Panel disengaged from the top cap of the side trims all around.

Test#:	QH5-2	
Max Load	71.0	psf
Allowable Design Load (ASD) = Max Load / 2	35.5	psf
Deflection Service Load (ASD) = Allowable * 0.7	24.9	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	1.000	in
Wall Deflection @ Deflection Service Load (ASD)	-0.0022	in
Panel Deflection @ Deflection Service Load (ASD)	1.4706	in



Target Load (psf)	Wall Deflection (= ga 3 - (ga 2 + ga 1)/2) (in)	panel Deflection (= ga 4 - (ga 3 + ga 5)/2) (in)
0.0	0.000	0.000
20.0	-0.004	1.270
30.8	-0.004	1.578
42.0	-0.005	1.850
51.8	-0.004	2.023
60.0	-0.005	2.217
65.7	-0.006	2.347
71.0	-0.004	2.517

Test: **Transverse Load - Negative Wind Load** **Test#: QH5-3(2)** Project#: 0093
Client: Easy Trim Technician(s): Ali
Date: 21-01-2025 Reviewer: Chris
Product: **Quick Panel** Location: 101-4441 76 Ave. SE Calgary AB T2C2
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

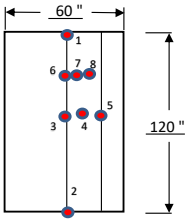
Installation:
Configuration: No Panel Stiffeners
Framing: 2x6 steel stud, 33ksi
Fastener: #10-12x1-1/2 Self Drilling
Sheathing: 1/2" densglass
Air Seal: Tape used to air seal panel gaps, tape will not influece test results

Equipment:
Pressure Chamber
Motor: Core Sensors Model: CS10 - 24(
Press. Controller: S/N - G205141344
Pressure Sensors:
+/- 2 kPa: p/n 1136
+/- 7 kPa: p/n 1137
50 kPa: p/n 1138
Phidget: S/N - 5015249240311

Deflection Gauges(Phidget potentiometers)

Sensor 1:	S/N - F29B
Sensor 2:	S/N - 9BFA
Sensor 3:	S/N - 87CE
Sensor 4:	S/N - F16B
Sensor 5:	S/N - F14E
Sensor 6:	S/N - F28I
Sensor 7:	S/N - F174
Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud End
Gauge 2: Stud End
Gauge 3: Stud
Gauge 4: Stiffener
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	1:48 PM	Temp:	20.9 °C
Finish:	2:05 PM	%RH	18 %RH

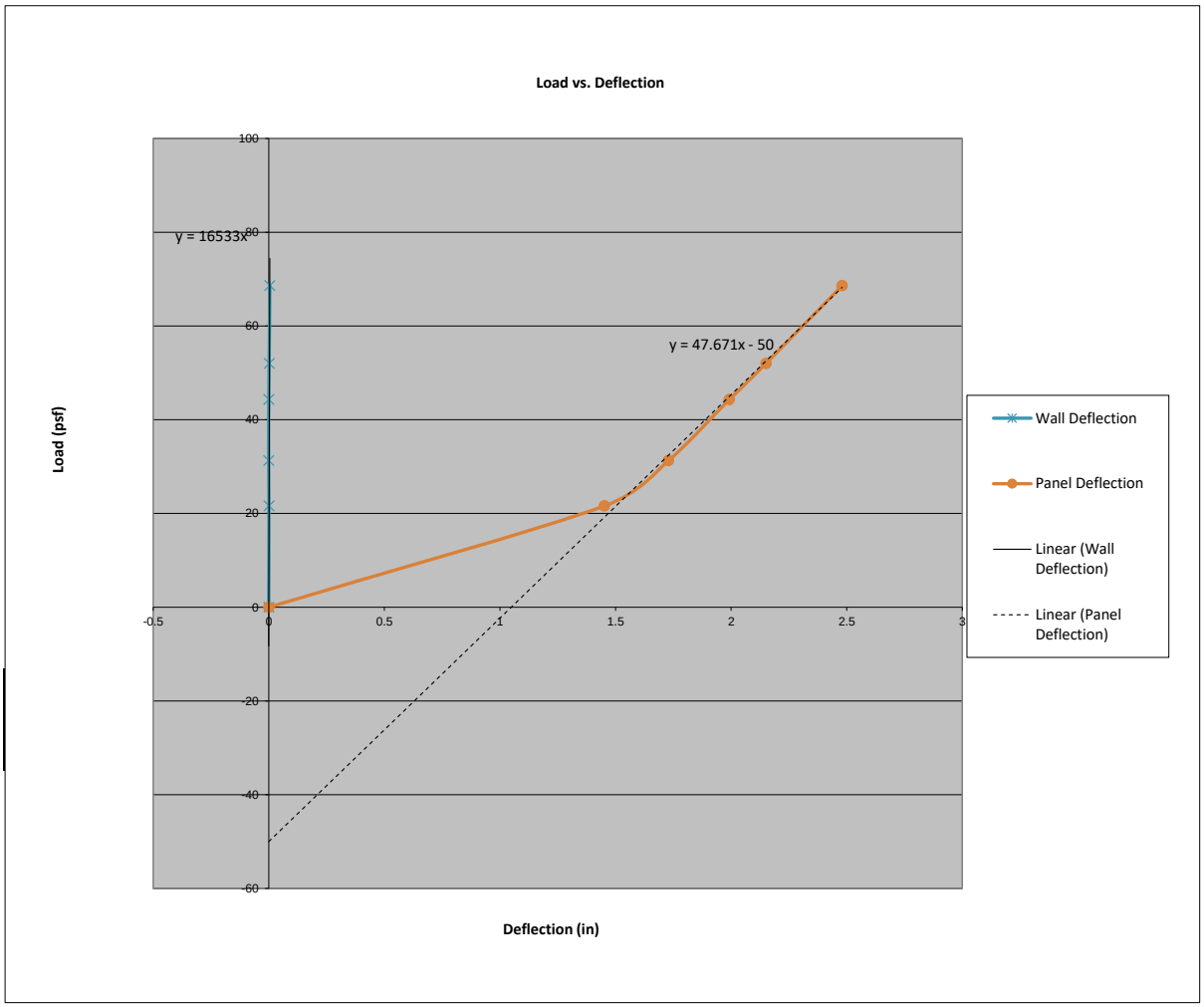
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	60

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins									
20	*21.6*	10 sec.	*0*	*0*	*0.001*	*1.453*	*0.002*	*1.271*	*1.314*	*0.005*	
0		1-5mins	*0*	*0*	*0.001*	*0.007*	*0.001*	*0.006*	*0.006*	*0*	
30	*31.3*	10 sec.	*0*	*0.001*	*0*	*1.73*	*0.002*	*1.508*	*1.554*	*0.008*	
0		1-5mins	*0*	*0.001*	*0.001*	*0.01*	*0.001*	*0.008*	*0.009*	*0*	
40	*44.3*	10 sec.	*0*	*0.004*	*0.002*	*1.994*	*0.002*	*1.743*	*1.789*	*0.013*	
0		1-5mins	*0*	*0.002*	*0.002*	*0.015*	*0.001*	*0.015*	*0.016*	*0*	
50	*52*	10 sec.	*0*	*0.005*	*0.004*	*2.155*	*0.004*	*1.884*	*1.928*	*0.016*	
0		1-5mins	*0*	*0.004*	*0.003*	*0.029*	*0.002*	*0.028*	*0.032*	*0*	
60	*68.6*	0.001	*0*	*0.011*	*0.01*	*2.489*	*0.008*	*2.178*	*2.225*	*0.024*	
0		1-5mins	*0*	*0.009*	*0.003*	*0.064*	*0.002*	*0.073*	*0.082*	*0.001*	

		Mode of Failure
Max Load (psf)	**68.6**	Panel came out from the side trims while going to pressure at 77 PSF

Test#:	QH5-3(2)	
Max Load	68.6	psf
Allowable Design Load (ASD) = Max Load / 2	34.3	psf
Deflection Service Load (ASD) = Allowable * 0.7	24.0	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	1.000	in
Wall Deflection @ Deflection Service Load (ASD)	0.0015	in
Panel Deflection @ Deflection Service Load (ASD)	1.5835	in



Target Load (psf)	Wall Deflection (= ga 3 - (ga 2 + ga 1)/2) (in)	Panel Deflection (= ga 4 - (ga 3 + ga 5)/2) (in)
0	0	0
21.6	0.001	1.4515
31.3	-0.0005	1.729
44.3	0	1.992
52	0.0015	2.151
68.6	0.0045	2.48

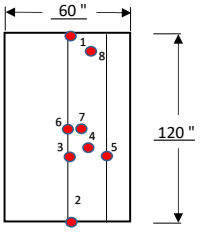
Test: **Transverse Load - Negative Wind Load** **Test#: QJ1-1** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 2/6/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 24" OC Stiffeners
Framing: 2x6 steel stud,16 guage 50 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	10:30	Temp:	21.4
Finish:	11:03	%RH	40

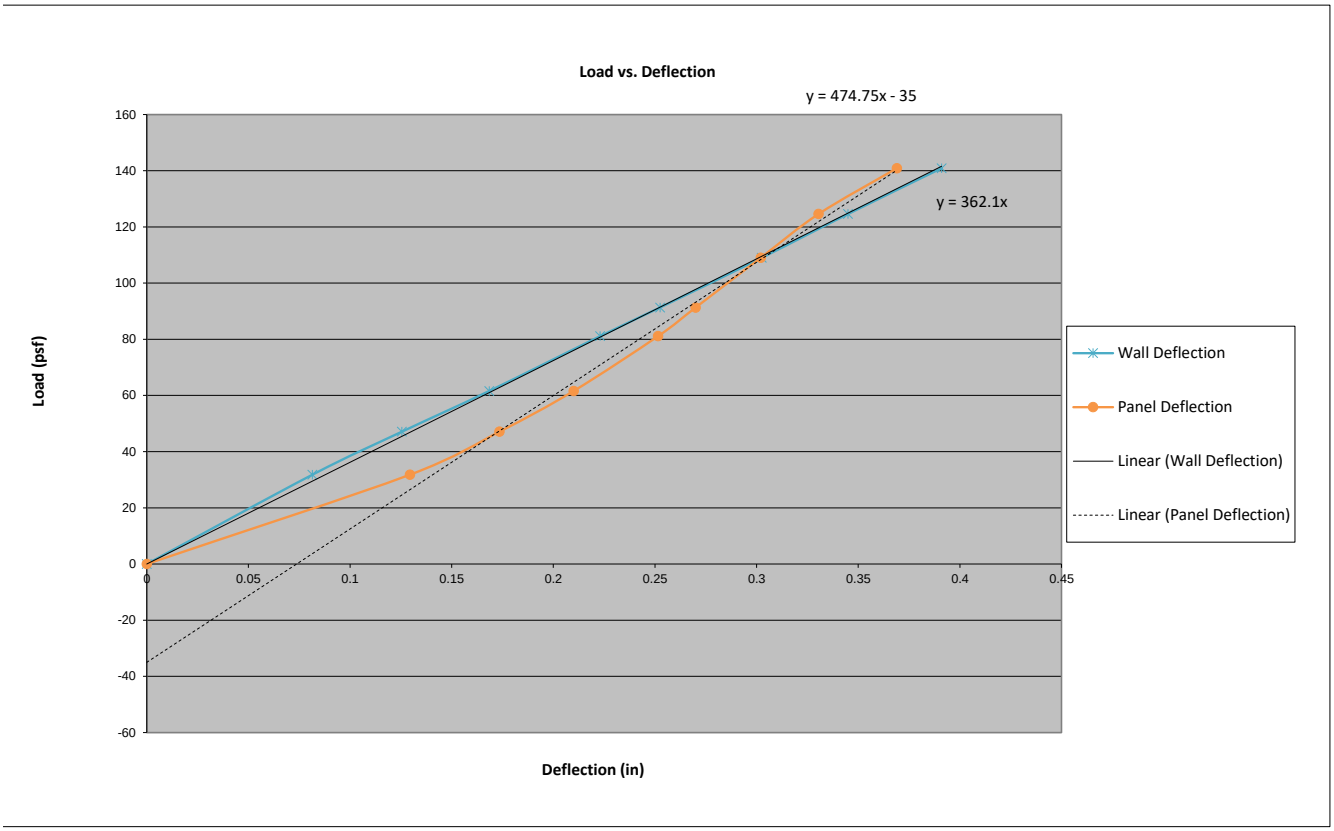
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	24

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*17*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins									
30	*31.8*	10 sec.	*0.057*	*0.06*	*0.139*	*0.249*	*0.1*	*0.14*	*0.171*	*0.159*	
0		1-5mins	*0.005*	*0.014*	*0.008*	*0.011*	*0.005*	*0.011*	*0.014*	*0.005*	
45	*47.1*	10 sec.	*0.085*	*0.094*	*0.212*	*0.356*	*0.153*	*0.215*	*0.259*	*0.223*	
0		1-5mins	*0.009*	*0.02*	*0.014*	*0.017*	*0.009*	*0.018*	*0.021*	*0.008*	
60	*61.6*	10 sec.	*0.112*	*0.129*	*0.285*	*0.455*	*0.205*	*0.289*	*0.342*	*0.275*	
0		1-5mins	*0.013*	*0.025*	*0.019*	*0.022*	*0.013*	*0.024*	*0.029*	*0.011*	
75	*81.1*	10 sec.	*0.147*	*0.179*	*0.382*	*0.581*	*0.277*	*0.386*	*0.453*	*0.339*	
0		1-5mins	*0.019*	*0.034*	*0.028*	*0.032*	*0.02*	*0.033*	*0.04*	*0.016*	
90	*91.3*	10 sec.	*0.166*	*0.207*	*0.436*	*0.646*	*0.316*	*0.439*	*0.515*	*0.37*	
0		1-5mins	*0.023*	*0.04*	*0.033*	*0.038*	*0.026*	*0.039*	*0.047*	*0.022*	
105	*109*	10 sec.	*0.197*	*0.254*	*0.528*	*0.758*	*0.384*	*0.528*	*0.62*	*0.421*	
0		1-5mins	*0.03*	*0.05*	*0.042*	*0.051*	*0.033*	*0.049*	*0.059*	*0.027*	
125	*124.6*	10 sec.	*0.224*	*0.298*	*0.608*	*0.858*	*0.447*	*0.606*	*0.716*	*0.466*	
0		1-5mins	*0.036*	*0.058*	*0.05*	*0.06*	*0.041*	*0.058*	*0.07*	*0.034*	
140	*140.9*	10 sec.	*0.252*	*0.338*	*0.69*	*0.97*	*0.512*	*0.686*	*0.821*	*0.516*	
0		1-5mins	*0.045*	*0.07*	*0.063*	*0.08*	*0.053*	*0.07*	*0.092*	*0.044*	
155	*155.4*	10 sec.	*0.276*	*0.372*	*0.758*	*1.067*	*0.569*	*0.753*	*0.916*	*0.555*	
0		1-5mins	*0.051*	*0.082*	*0.078*	*0.097*	*0.064*	*0.085*	*0.108*	*0.052*	
170	*176.6*	10 sec.	*0.309*	*0.416*	*0.851*	*1.21*	*0.644*	*0.845*	*1.059*	*0.613*	
0		1-5mins	*0.061*	*0.092*	*0.094*	*0.12*	*0.075*	*0.102*	*0.132*	*0.064*	

		Mode of Failure
Max Load (psf)	**176.6**	The double sided tape failed from the panel side while going to pressure at 190 PSF.

Test#:	QJ1-1	
Max Load	176.6	psf
Allowable Design Load (ASD) = Max Load / 2	88.3	psf
Deflection Service Load (ASD) = Allowable * 0.7	61.8	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.400	in
Wall Deflection @ Deflection Service Load (ASD)	0.1702	in
Panel Deflection @ Deflection Service Load (ASD)	0.2032	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 + (ga 3 + ga 5)/2
0.0	0.000	0.000
31.8	0.082	0.130
47.1	0.126	0.174
61.6	0.169	0.210
81.1	0.223	0.252
91.3	0.253	0.270
109.0	0.303	0.302
124.6	0.345	0.331
140.9	0.391	0.369
155.4	0.429	0.404
176.6	0.483	0.463

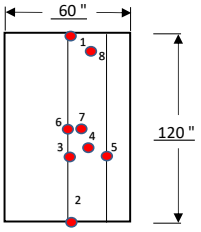
Test: **Transverse Load - Negative Wind Load** **Test#: QJ1-2** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 2/10/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 24" OC Stiffeners
Framing: 2x6 steel stud,16 guage 50 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations (not to scale)	
Gauge 1:	Stud
Gauge 2:	Stud
Gauge 3:	Stud
Gauge 4:	Panel/Stiff
Gauge 5:	Stud
Gauge 6:	Stud
Gauge 7:	Panel
Gauge 8:	Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	11:26	Temp:	21
Finish:	12:15	%RH	18

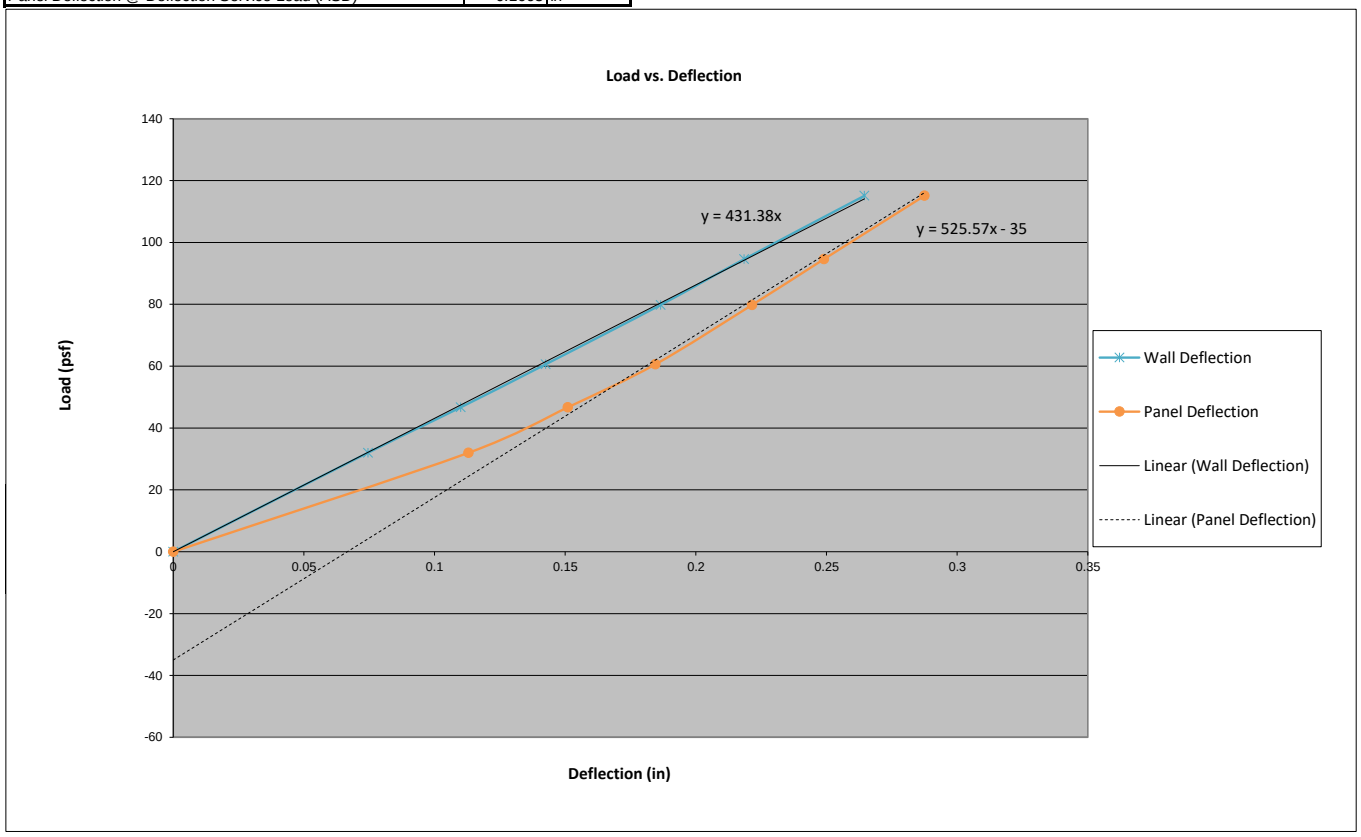
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	24

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*32*	10 sec.	*0.076*	*0.065*	*0.152*	*0.25*	*0.122*	*0.145*	*0.178*	*0.193*	
0		1-5mins	*0.002*	*0.002*	*0.002*	*0.001*	*0.002*	*0.001*	*0.003*	*0.003*	
45	*46.7*	10 sec.	*0.098*	*0.094*	*0.215*	*0.343*	*0.169*	*0.206*	*0.256*	*0.249*	
0		1-5mins	*0.003*	*0.003*	*0.004*	*0.004*	*0.004*	*0.003*	*0.006*	*0.005*	
60	*60.6*	10 sec.	*0.117*	*0.122*	*0.274*	*0.428*	*0.213*	*0.262*	*0.324*	*0.296*	
0		1-5mins	*0.005*	*0.005*	*0.006*	*0.007*	*0.006*	*0.006*	*0.009*	*0.007*	
75	*79.8*	10 sec.	*0.144*	*0.167*	*0.359*	*0.538*	*0.274*	*0.342*	*0.42*	*0.358*	
0		1-5mins	*0.009*	*0.01*	*0.01*	*0.012*	*0.01*	*0.011*	*0.013*	*0.011*	
90	*94.6*	10 sec.	*0.171*	*0.212*	*0.435*	*0.63*	*0.327*	*0.41*	*0.506*	*0.405*	
0		1-5mins	*0.014*	*0.019*	*0.019*	*0.021*	*0.018*	*0.019*	*0.025*	*0.017*	
110	*115.1*	10 sec.	*0.208*	*0.277*	*0.539*	*0.758*	*0.402*	*0.507*	*0.627*	*0.47*	
0		1-5mins	*0.023*	*0.032*	*0.031*	*0.038*	*0.03*	*0.03*	*0.042*	*0.025*	
125	*128.9*	10 sec.	*0.233*	*0.319*	*0.609*	*0.85*	*0.455*	*0.572*	*0.719*	*0.514*	
0		1-5mins	*0.03*	*0.04*	*0.039*	*0.051*	*0.038*	*0.039*	*0.053*	*0.032*	
140	*145.1*	10 sec.	*0.235*	*0.353*	*0.654*	*0.975*	*0.508*	*0.605*	*0.932*	*0.726*	
0		1-5mins	*0.036*	*0.048*	*0.046*	*0.069*	*0.049*	*0.047*	*0.087*	*0.073*	

		Mode of Failure
Max Load (psf)	**145.1**	The top cap of panel stiffener disengaged from the backplate while going to 160 PSF

Test#:	QJ1-2	
Max Load	145.1	psf
Allowable Design Load (ASD) = Max Load / 2	72.6	psf
Deflection Service Load (ASD) = Allowable * 0.7	50.8	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.400	in
Wall Deflection @ Deflection Service Load (ASD)	0.1174	in
Panel Deflection @ Deflection Service Load (ASD)	0.1663	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 - (ga 3 + ga 5)/2
0.0	0.000	0.000
32.0	0.075	0.113
46.7	0.110	0.151
60.6	0.143	0.185
79.8	0.187	0.222
94.6	0.219	0.249
115.1	0.265	0.288
128.9	0.296	0.318
145.1	0.311	0.394

Test: **Transverse Load - Negative Wind Load** **Test#: QJ1-3** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 2/10/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

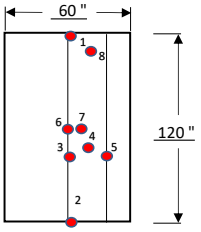
Installation:
Configuration: 24" OC Stiffeners
Framing: 2x6 steel stud,16 guage 50 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer

Equipment:
Pressure Chamber
Motor: Core Sensors Model: CS10 - 2400
Press. Controller: S/N - G205141344
Pressure Sensors:
+/- 2 kPa: p/n 1136
+/- 7 kPa: p/n 1137
50 kPa: p/n 1138
Phidget: S/N - 5015249240311

Deflection Gauges(Phidget potentiometers)

Sensor 1:	S/N - F29B
Sensor 2:	S/N - 9BFA
Sensor 3:	S/N - 87CE
Sensor 4:	S/N - F16B
Sensor 5:	S/N - F14E
Sensor 6:	S/N - F28I
Sensor 7:	S/N - F174
Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	2:03	Temp:	22.1
Finish:	2:36	%RH	18

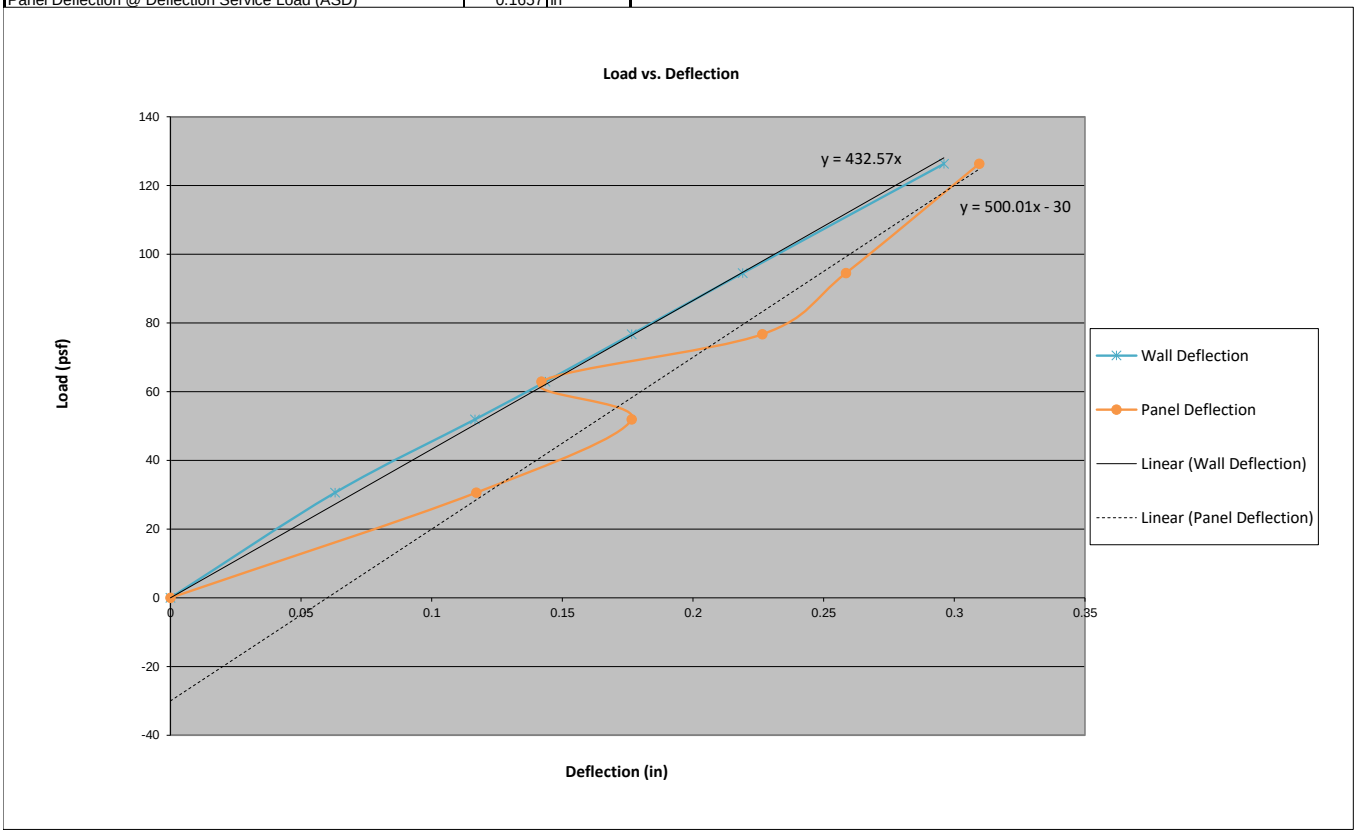
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	24

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15.5*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*30.6*	10 sec.	*0.063*	*0.055*	*0.131*	*0.229*	*0.093*	*0.122*	*0.158*	*0.15*	
0		1-5mins	*0.003*	*0.005*	*0.004*	*0.003*	*0.004*	*0.005*	*0.004*	*0.005*	
45	*51.9*	10 sec.	*0.106*	*0.117*	*0.239*	*0.384*	*0.176*	*0.228*	*0.282*	*0.254*	
0		1-5mins	*0.012*	*0.02*	*0.016*	*0.018*	*0.015*	*0.017*	*0.019*	*0.016*	
60	*62.9*	10 sec.	*0.129*	*0.15*	*0.292*	*0.395*	*0.214*	*0.283*	*0.346*	*0.303*	
0		1-5mins	*0.017*	*0.028*	*0.019*	*0.017*	*0.014*	*0.023*	*0.027*	*0.021*	
75	*76.7*	10 sec.	*0.157*	*0.19*	*0.361*	*0.541*	*0.268*	*0.35*	*0.423*	*0.358*	
0		1-5mins	*0.023*	*0.036*	*0.026*	*0.025*	*0.022*	*0.031*	*0.037*	*0.03*	
90	*94.5*	10 sec.	*0.196*	*0.244*	*0.454*	*0.657*	*0.343*	*0.439*	*0.525*	*0.429*	
0		1-5mins	*0.033*	*0.046*	*0.038*	*0.041*	*0.034*	*0.042*	*0.05*	*0.042*	
120	*126.3*	10 sec.	*0.253*	*0.329*	*0.611*	*0.848*	*0.466*	*0.587*	*0.703*	*0.538*	
0		1-5mins	*0.046*	*0.059*	*0.051*	*0.059*	*0.046*	*0.058*	*0.074*	*0.059*	
135	*140.4*	10 sec.	*0.279*	*0.369*	*0.682*	*0.942*	*0.527*	*0.656*	*0.787*	*0.583*	
0		1-5mins	*0.054*	*0.069*	*0.06*	*0.074*	*0.055*	*0.066*	*0.089*	*0.069*	
155	*160.7*	10 sec.	*0.054*	*0.069*	*0.788*	*1.084*	*0.612*	*0.751*	*0.906*	*0.649*	
0		1-5mins	*0.054*	*0.069*	*0.076*	*0.1*	*0.068*	*0.078*	*0.113*	*0.082*	

		Mode of Failure
Max Load (psf)	**160.7**	The top cap of panel stiffener disengaged from the backplate while going to 160 PSF

Test#:	QJ1-3	
Max Load	160.7	psf
Allowable Design Load (ASD) = Max Load / 2	80.4	psf
Deflection Service Load (ASD) = Allowable * 0.7	56.2	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.400	in
Wall Deflection @ Deflection Service Load (ASD)	0.1807	in
Panel Deflection @ Deflection Service Load (ASD)	0.1657	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 - (ga 3 + ga 5)/2
0.0	0.000	0.000
30.6	0.063	0.117
51.9	0.117	0.177
62.9	0.144	0.142
76.7	0.177	0.227
94.5	0.219	0.259
126.3	0.296	0.310
140.4	0.332	0.338
160.7	0.690	0.384

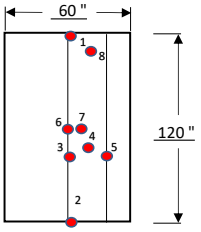
Test: **Transverse Load - Negative Wind Load** **Test#: QJ2-1** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 2/11/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 12" OC Stiffeners
Framing: 2x6 steel stud,16 guage 50 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	1:50	Temp:	23.4
Finish:	2:30	%RH	16

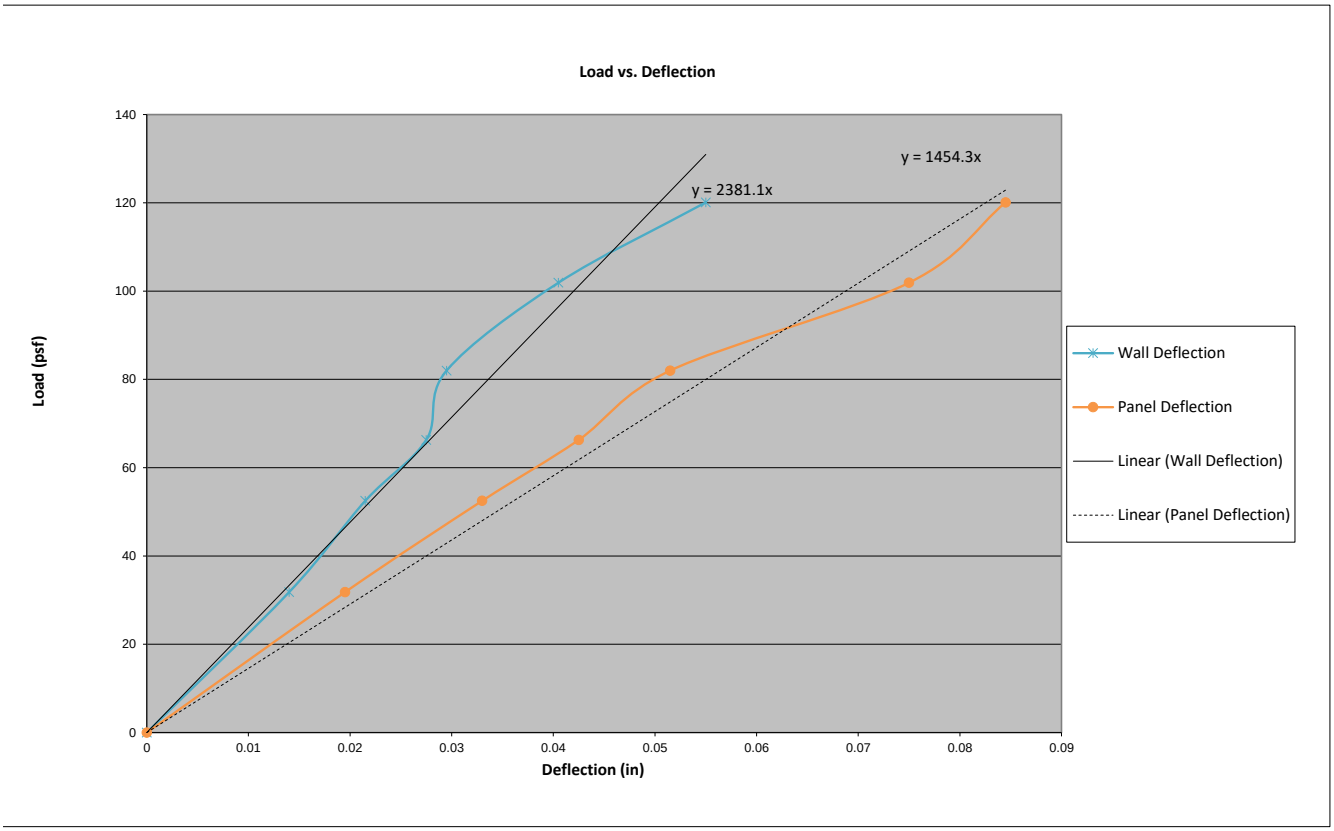
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	12

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*31.8*	10 sec.	*0.095*	*0.123*	*0.188*	*0.195*	*0.163*	*0.123*	*0.205*	*0.186*	
0		1-5mins	*0.037*	*0.046*	*0.054*	*0.053*	*0.049*	*0.041*	*0.054*	*0.051*	
45	*52.5*	10 sec.	*0.126*	*0.165*	*0.272*	*0.286*	*0.234*	*0.167*	*0.297*	*0.269*	
0		1-5mins	*0.038*	*0.047*	*0.056*	*0.056*	*0.05*	*0.042*	*0.056*	*0.052*	
60	*66.3*	10 sec.	*0.148*	*0.197*	*0.333*	*0.353*	*0.288*	*0.2*	*0.362*	*0.331*	
0		1-5mins	*0.041*	*0.052*	*0.061*	*0.061*	*0.054*	*0.044*	*0.059*	*0.056*	
75	*82*	10 sec.	*0.189*	*0.248*	*0.418*	*0.44*	*0.359*	*0.248*	*0.453*	*0.417*	
0		1-5mins	*0.05*	*0.063*	*0.074*	*0.074*	*0.064*	*0.052*	*0.073*	*0.069*	
90	*101.9*	10 sec.	*0.251*	*0.32*	*0.538*	*0.569*	*0.45*	*0.326*	*0.585*	*0.54*	
0		1-5mins	*0.072*	*0.081*	*0.098*	*0.094*	*0.081*	*0.071*	*0.098*	*0.093*	
120	*120.1*	10 sec.	*0.321*	*0.387*	*0.654*	*0.689*	*0.555*	*0.409*	*0.71*	*0.656*	
0		1-5mins	*0.103*	*0.1*	*0.125*	*0.12*	*0.102*	*0.098*	*0.126*	*0.122*	
140	*145.7*	10 sec.	*0.445*	*0.476*	*0.818*	*0.865*	*0.685*	*0.559*	*0.896*	*0.828*	
0		1-5mins	*0.169*	*0.124*	*0.172*	*0.164*	*0.134*	*0.152*	*0.172*	*0.17*	
160	*161.8*	10 sec.	*0.519*	*0.529*	*0.923*	*0.978*	*0.771*	*0.655*	*1.019*	*0.936*	
0		1-5mins	*0.204*	*0.138*	*0.196*	*0.191*	*0.157*	*0.189*	*0.201*	*0.197*	
180	*178.5*	10 sec.	*0.585*	*0.578*	*1.018*	*1.085*	*0.851*	*0.736*	*1.135*	*1.036*	
0		1-5mins	*0.238*	*0.149*	*0.221*	*0.217*	*0.181*	*0.226*	*0.233*	*0.222*	Retapping the wall
220	*238*	10 sec.	*0.647*	*0.583*	*1.224*	*1.34*	*1.028*	*0.86*	*1.397*	*1.181*	

		Mode of Failure
Max Load (psf)	**238.0**	Double Sided tape failed on panel stiffeners

Test#:	QJ2-1	
Max Load	238.0	psf
Allowable Design Load (ASD) = Max Load / 2	119.0	psf
Deflection Service Load (ASD) = Allowable * 0.7	83.3	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.200	in
Wall Deflection @ Deflection Service Load (ASD)	0.0541	in
Panel Deflection @ Deflection Service Load (ASD)	0.0573	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 - (ga 3 + ga 5)/2
0.0	0.000	0.000
31.8	0.014	0.020
52.5	0.022	0.033
66.3	0.028	0.043
82.0	0.030	0.052
101.9	0.041	0.075
120.1	0.055	0.084
145.7	0.099	0.114
161.8	0.131	0.131

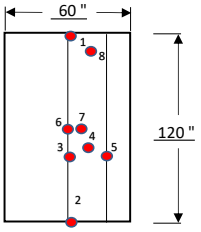
Test: **Transverse Load - Negative Wind Load** **Test#: QJ2-2** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 2/25/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 12" OC Stiffeners
Framing: 2x6 steel stud,16 guage 50 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	10:18	Temp:	24.9
Finish:	10:55	%RH	17

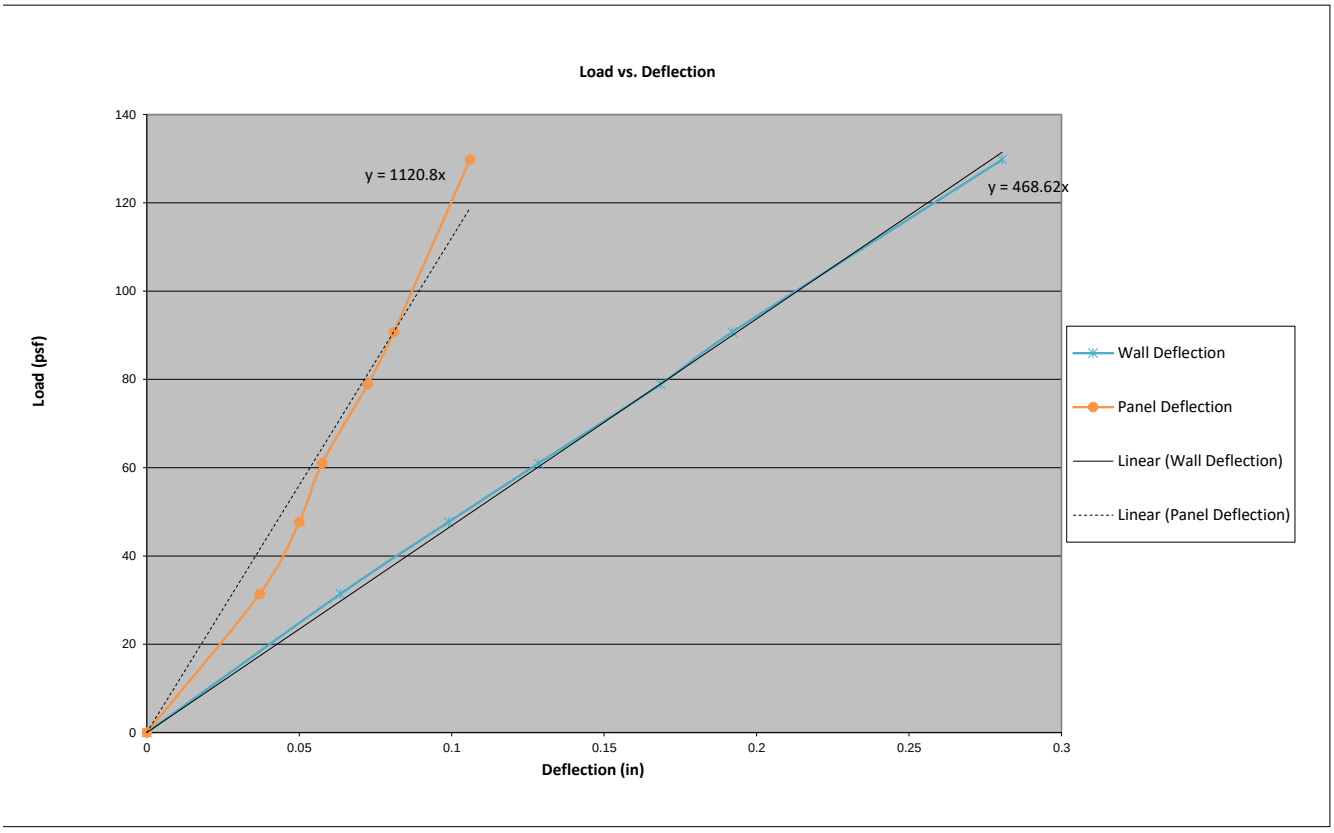
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	12

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*31.4*	10 sec.	*0.063*	*0.066*	*0.128*	*0.15*	*0.098*	*0.128*	*0.133*	*0.051*	
0		1-5mins	*0.006*	*0.008*	*0.007*	*0.009*	*0.006*	*0.006*	*0.009*	*0.007*	
45	*47.7*	10 sec.	*0.097*	*0.111*	*0.203*	*0.23*	*0.157*	*0.203*	*0.207*	*0.083*	
0		1-5mins	*0.014*	*0.021*	*0.018*	*0.02*	*0.015*	*0.011*	*0.019*	*0.018*	
60	*61*	10 sec.	*0.125*	*0.152*	*0.27*	*0.296*	*0.207*	*0.267*	*0.272*	*0.107*	
0		1-5mins	*0.018*	*0.034*	*0.027*	*0.028*	*0.023*	*0.015*	*0.028*	*0.026*	
75	*78.9*	10 sec.	*0.161*	*0.21*	*0.361*	*0.389*	*0.272*	*0.354*	*0.359*	*0.136*	
0		1-5mins	*0.024*	*0.051*	*0.04*	*0.042*	*0.035*	*0.018*	*0.04*	*0.037*	
90	*90.7*	10 sec.	*0.184*	*0.25*	*0.421*	*0.448*	*0.313*	*0.409*	*0.413*	*0.154*	
0		1-5mins	*0.027*	*0.06*	*0.05*	*0.052*	*0.043*	*0.022*	*0.05*	*0.045*	
120	*129.8*	10 sec.	*0.252*	*0.357*	*0.605*	*0.632*	*0.447*	*0.585*	*0.592*	*0.221*	
0		1-5mins	*0.037*	*0.08*	*0.07*	*0.073*	*0.06*	*0.026*	*0.065*	*0.061*	
150	*146.4*	10 sec.	*0.281*	*0.403*	*0.688*	*0.715*	*0.505*	*0.664*	*0.678*	*0.249*	
0		1-5mins	*0.041*	*0.091*	*0.083*	*0.086*	*0.069*	*0.03*	*0.076*	*0.071*	
165	*168.4*	10 sec.	*0.316*	*0.459*	*0.794*	*0.827*	*0.584*	*0.764*	*0.787*	*0.289*	
0		1-5mins	*0.046*	*0.102*	*0.097*	*0.101*	*0.081*	*0.035*	*0.092*	*0.083*	
180	*184.2*	10 sec.	*0.343*	*0.5*	*0.875*	*0.914*	*0.641*	*0.84*	*0.867*	*0.318*	
0		1-5mins	*0.051*	*0.114*	*0.112*	*0.116*	*0.092*	*0.038*	*0.105*	*0.096*	
200	*210.5*	10 sec.	*0.39*	*0.568*	*1.001*	*1.053*	*0.731*	*0.957*	*0.998*	*0.374*	
0		1-5mins	*0.06*	*0.122*	*0.127*	*0.135*	*0.103*	*0.044*	*0.119*	*0.111*	
230	*224.5*	10 sec.	*0.43*	*0.138*	*0.613*	*1.092*	*1.177*	*1.042*	*1.105*	*0.421*	
0		1-5mins	*0.071*	*0.134*	*0.147*	*0.158*	*0.118*	*0.053*	*0.139*	*0.128*	

		Mode of Failure
Max Load (psf)	**224.5**	Double Sided tape failed on panel stiffeners.

Test#:	QJ2-2	
Max Load	224.5	psf
Allowable Design Load (ASD) = Max Load / 2	112.3	psf
Deflection Service Load (ASD) = Allowable * 0.7	78.6	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.200	in
Wall Deflection @ Deflection Service Load (ASD)	0.1677	in
Panel Deflection @ Deflection Service Load (ASD)	0.0673	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 - (ga 3 + ga 5)/2
0.0	0.000	0.000
31.4	0.064	0.037
47.7	0.099	0.050
61.0	0.129	0.058
78.9	0.169	0.073
90.7	0.192	0.081
129.8	0.281	0.106
146.4	0.322	0.119
168.4	0.377	0.138
184.2	0.419	0.156
210.5	0.478	0.187
224.5	0.758	0.197

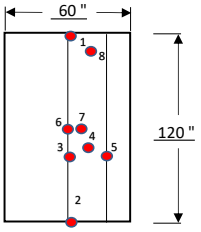
Test: **Transverse Load - Negative Wind Load** **Test#: QJ2-3** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 2/25/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 12" OC Stiffeners
Framing: 2x6 steel stud,16 guage 50 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	1:07	Temp:	23.8
Finish:	1:50	%RH	16

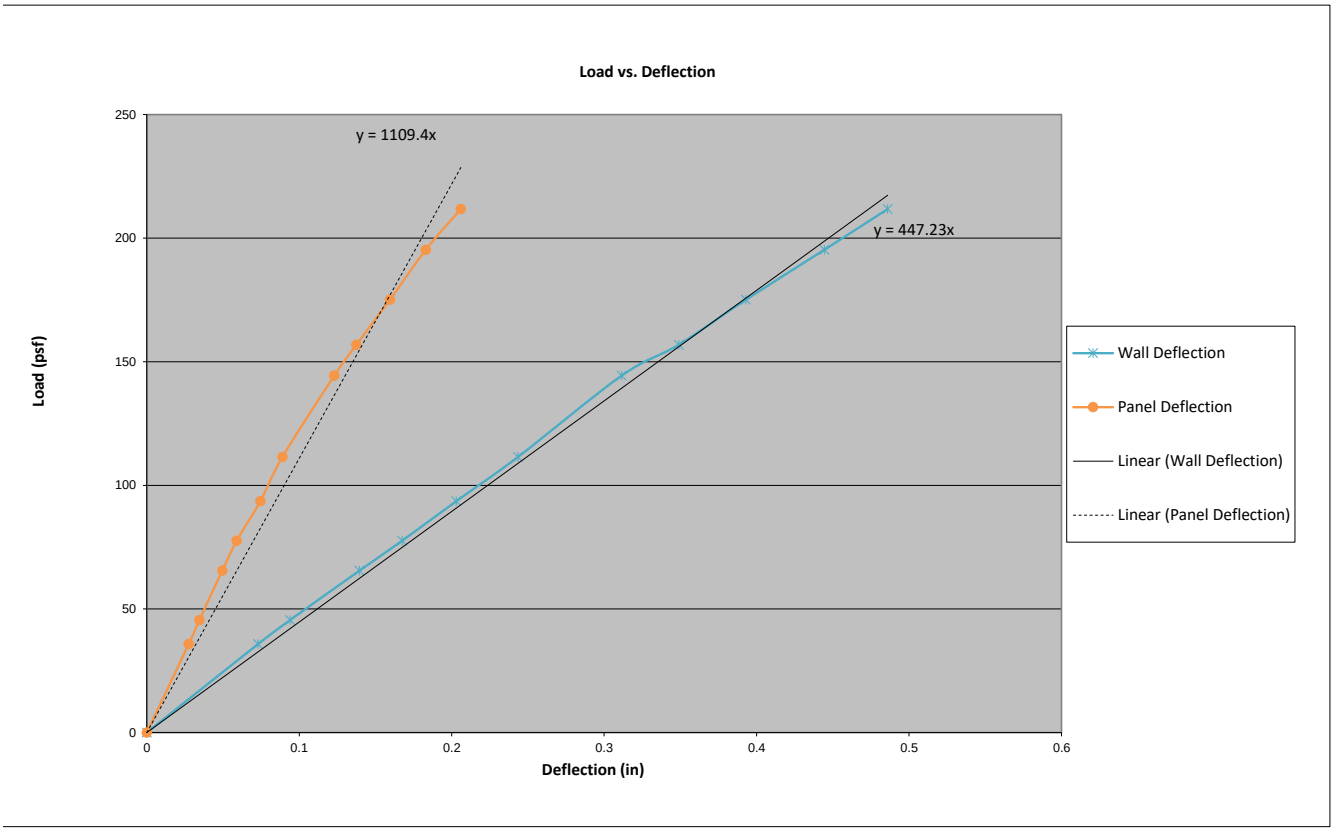
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	12

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*20*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Deflection Gauges								
30	*35.8*	10 sec.	*0.071*	*0.069*	*0.141*	*0.16*	*0.124*	*0.143*	*0.158*	*0.071*	
0		1-5mins	*0.001*	*0.001*	*0.001*	*0*	*0.001*	*0*	*0.002*	*0.001*	
45	*45.5*	10 sec.	*0.084*	*0.088*	*0.177*	*0.201*	*0.156*	*0.18*	*0.202*	*0.082*	
0		1-5mins	*0.002*	*0.001*	*0.001*	*0.001*	*0.001*	*0.001*	*0.003*	*0.002*	
60	*65.5*	10 sec.	*0.111*	*0.126*	*0.258*	*0.291*	*0.225*	*0.258*	*0.293*	*0.111*	
0		1-5mins	*0.004*	*0.005*	*0.005*	*0.005*	*0.004*	*0.003*	*0.007*	*0.005*	
75	*77.6*	10 sec.	*0.132*	*0.155*	*0.312*	*0.352*	*0.274*	*0.311*	*0.355*	*0.13*	
0		1-5mins	*0.008*	*0.011*	*0.01*	*0.012*	*0.01*	*0.006*	*0.013*	*0.011*	
95	*93.6*	10 sec.	*0.161*	*0.203*	*0.39*	*0.441*	*0.343*	*0.385*	*0.443*	*0.158*	
0		1-5mins	*0.011*	*0.021*	*0.018*	*0.02*	*0.017*	*0.012*	*0.021*	*0.018*	
110	*111.5*	10 sec.	*0.194*	*0.257*	*0.477*	*0.536*	*0.417*	*0.469*	*0.537*	*0.187*	
0		1-5mins	*0.017*	*0.036*	*0.03*	*0.037*	*0.029*	*0.018*	*0.035*	*0.03*	
140	*144.4*	10 sec.	*0.249*	*0.348*	*0.628*	*0.711*	*0.548*	*0.61*	*0.715*	*0.617*	
0		1-5mins	*0.027*	*0.059*	*0.051*	*0.06*	*0.049*	*0.026*	*0.056*	*0.049*	
160	*156.9*	10 sec.	*0.272*	*0.388*	*0.691*	*0.784*	*0.602*	*0.679*	*0.787*	*0.266*	
0		1-5mins	*0.033*	*0.07*	*0.061*	*0.074*	*0.059*	*0.028*	*0.066*	*0.06*	
180	*175.1*	10 sec.	*0.309*	*0.435*	*0.779*	*0.888*	*0.678*	*0.765*	*0.888*	*0.303*	
0		1-5mins	*0.043*	*0.086*	*0.077*	*0.092*	*0.073*	*0.037*	*0.087*	*0.765*	
190	*195.3*	10 sec.	*0.347*	*0.484*	*0.874*	*1.001*	*0.762*	*0.86*	*1.007*	*0.348*	
0		1-5mins	*0.052*	*0.096*	*0.092*	*0.109*	*0.087*	*0.043*	*0.106*	*0.092*	
205	*211.8*	10 sec.	*0.379*	*0.525*	*0.953*	*1.098*	*0.831*	*0.938*	*1.1*	*0.385*	
0		1-5mins	*0.059*	*0.108*	*0.106*	*0.127*	*0.102*	*0.049*	*0.128*	*0.106*	
225	*232.7*	10 sec.	*0.421*	*0.576*	*1.052*	*1.226*	*0.921*	*1.039*	*1.238*	*0.433*	
0		1-5mins	*0.069*	*0.123*	*0.126*	*0.155*	*0.121*	*0.056*	*0.152*	*0.125*	
250	*247.5*	10 sec.	*0.455*	*0.621*	*1.129*	*1.337*	*0.993*	*1.117*	*1.352*	*0.483*	
0		1-5mins	0.075	0.135	0.14	0.167	0.137	0.063	0.173	0.141	
260	*260*	10 sec.	0.509	*0.701*	*1.263*	*1.517*	*1.111*	*1.244*	*1.563*	*0.555*	
0		1-5mins	0.09	*0.16*	*0.174*	*0.214*	*0.173*	*0.083*	*0.226*	*0.174*	

		Mode of Failure
Max Load (psf)	**260.0**	Double Sided tape failed while going to PSF 275

Test#:	QJ2-3	
Max Load	260.0	psf
Allowable Design Load (ASD) = Max Load / 2	130.0	psf
Deflection Service Load (ASD) = Allowable * 0.7	91.0	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.200	in
Wall Deflection @ Deflection Service Load (ASD)	0.2052	in
Panel Deflection @ Deflection Service Load (ASD)	0.0891	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 - (ga 3 + ga 5)/2
0.0	0.000	0.000
35.8	0.073	0.028
45.5	0.094	0.035
65.5	0.140	0.050
77.6	0.168	0.059
93.6	0.203	0.075
111.5	0.244	0.089
144.4	0.312	0.123
156.9	0.349	0.138
175.1	0.393	0.160
195.3	0.445	0.183
211.8	0.486	0.206

Test: **Transverse Load - Negative Wind Load** **Test#: QJ4-1** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 2/20/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

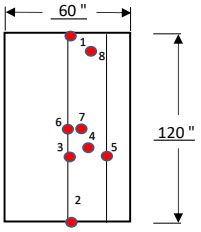
Installation:
Configuration: 24" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer

Equipment:
Pressure Chamber
Motor: Core Sensors Model: CS10 - 2400
Press. Controller: S/N - G205141344
Pressure Sensors:
+/- 2 kPa: p/n 1136
+/- 7 kPa: p/n 1137
50 kPa: p/n 1138
Phidget: S/N - 5015249240311

Deflection Gauges(Phidget potentiometers)

Sensor 1:	S/N - F29B
Sensor 2:	S/N - 9BFA
Sensor 3:	S/N - 87CE
Sensor 4:	S/N - F16B
Sensor 5:	S/N - F14E
Sensor 6:	S/N - F28I
Sensor 7:	S/N - F174
Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	8:53	Temp:	20.5
Finish:	9:22	%RH	18

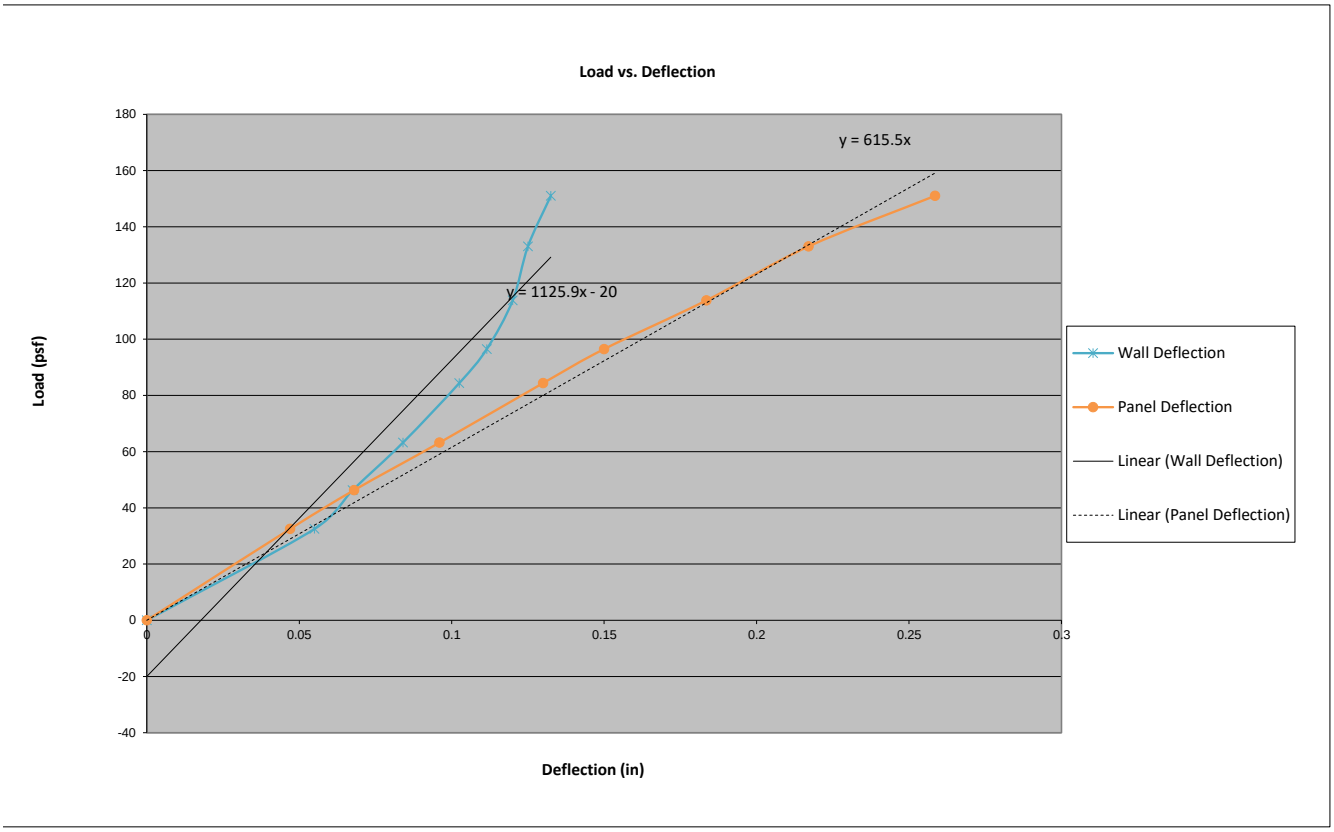
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	24

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*18*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*32.5*	10 sec.	*0.076*	*0.084*	*0.156*	*0.188*	*0.126*	*0.135*	*0.176*	*0.144*	
0		1-5mins	*0.001*	*0*	*0*	*0*	*0.001*	*0.001*	*0.001*	*0.001*	
45	*46.3*	10 sec.	*0.105*	*0.124*	*0.224*	*0.271*	*0.182*	*0.182*	*0.252*	*0.207*	
0		1-5mins	*0.006*	*0.005*	*0.005*	*0.005*	*0.005*	*0.006*	*0.007*	*0.006*	
60	*63.2*	10 sec.	*0.151*	*0.179*	*0.321*	*0.387*	*0.261*	*0.249*	*0.359*	*0.297*	
0		1-5mins	*0.02*	*0.021*	*0.021*	*0.022*	*0.019*	*0.019*	*0.025*	*0.023*	
75	*84.4*	10 sec.	*0.196*	*0.249*	*0.437*	*0.526*	*0.355*	*0.325*	*0.491*	*0.402*	
0		1-5mins	*0.031*	*0.039*	*0.038*	*0.039*	*0.034*	*0.032*	*0.045*	*0.038*	
90	*96.5*	10 sec.	*0.219*	*0.29*	*0.501*	*0.604*	*0.407*	*0.366*	*0.566*	*0.461*	
0		1-5mins	*0.044*	*0.061*	*0.059*	*0.071*	*0.056*	*0.048*	*0.072*	*0.057*	
110	*113.8*	10 sec.	*0.251*	*0.349*	*0.594*	*0.723*	*0.485*	*0.42*	*0.675*	*0.544*	
0		1-5mins	*0.044*	*0.061*	*0.059*	*0.071*	*0.056*	*0.048*	*0.072*	*0.057*	
130	*133*	10 sec.	*0.288*	*0.416*	*0.694*	*0.85*	*0.572*	*0.477*	*0.798*	*0.635*	
0		1-5mins	*0.053*	*0.08*	*0.075*	*0.095*	*0.072*	*0.06*	*0.094*	*0.07*	
150	*151*	10 sec.	*0.323*	*0.472*	*0.79*	*0.98*	*0.653*	*0.53*	*0.919*	*0.719*	
0		1-5mins	*0.06*	*0.091*	*0.088*	*0.117*	*0.085*	*0.064*	*0.114*	*0.081*	
165	*164.6*	10 sec.	*0.349*	*0.463*	*0.807*	*1.168*	*0.68*	*0.573*	*1.001*	*0.753*	
0		1-5mins	*0.068*	*0.104*	*0.103*	*0.176*	*0.102*	*0.075*	*0.146*	*0.093*	
190	*190.4*	10 sec.	*0.393*	*0.493*	*0.911*	*1.381*	*0.774*	*0.629*	*1.145*	*0.847*	
0		1-5mins	*0.077*	*0.104*	*0.114*	*0.225*	*0.119*	*0.08*	*0.18*	*0.108*	

		Mode of Failure
Max Load (psf)	**190.4**	Double Sided tape failed on panel stiffener while going to PSF 210.

Test#:	QJ4-1	
Max Load	190.4	psf
Allowable Design Load (ASD) = Max Load / 2	95.2	psf
Deflection Service Load (ASD) = Allowable * 0.7	66.6	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.400	in
Wall Deflection @ Deflection Service Load (ASD)	0.0689	in
Panel Deflection @ Deflection Service Load (ASD)	0.1084	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 - (ga 3 + ga 5)/2
0.0	0.000	0.000
32.5	0.055	0.047
46.3	0.068	0.068
63.2	0.084	0.096
84.4	0.103	0.130
96.5	0.112	0.150
113.8	0.120	0.184
133.0	0.125	0.217
151.0	0.133	0.259
164.6	0.167	0.425
190.4	0.186	0.539

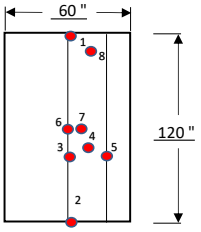
Test: **Transverse Load - Negative Wind Load** **Test#: QJ4-2** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 2/28/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 24" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	12:00	Temp:	24.3
Finish:	12:33	%RH	17

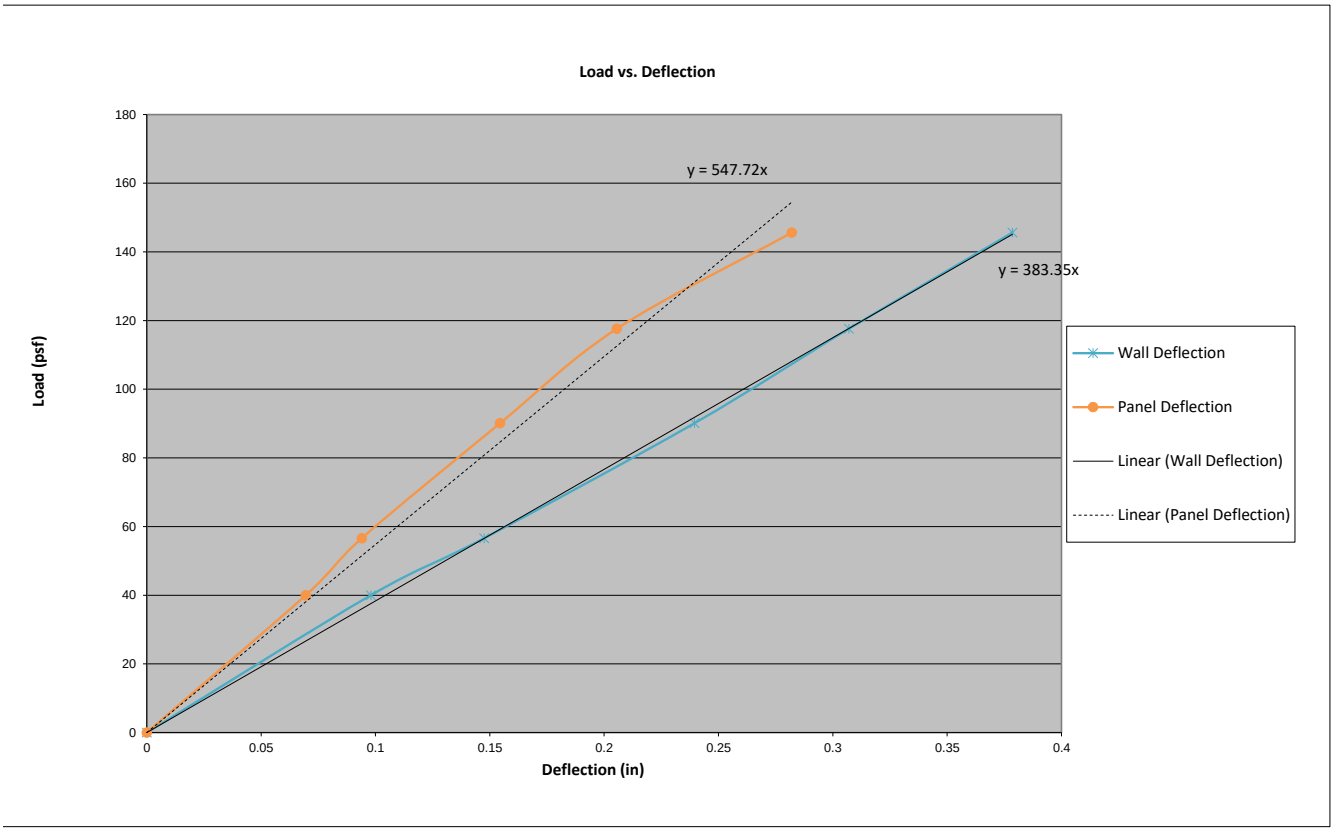
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	24

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*16*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*40*	10 sec.	*0.101*	*0.111*	*0.21*	*0.267*	*0.185*	*0.204*	*0.25*	*0.155*	
0		1-5mins	*0.011*	*0.02*	*0.02*	*0.02*	*0.017*	*0.02*	*0.021*	*0.014*	
55	*56.6*	10 sec.	*0.136*	*0.161*	*0.304*	*0.379*	*0.266*	*0.296*	*0.358*	*0.211*	
0		1-5mins	*0.016*	*0.033*	*0.032*	*0.034*	*0.027*	*0.031*	*0.033*	*0.022*	
90	*90.1*	10 sec.	*0.197*	*0.266*	*0.49*	*0.61*	*0.421*	*0.471*	*0.573*	*0.318*	
0		1-5mins	*0.024*	*0.061*	*0.056*	*0.052*	*0.045*	*0.052*	*0.057*	*0.034*	
120	*117.6*	10 sec.	*0.244*	*0.346*	*0.633*	*0.791*	*0.538*	*0.602*	*0.744*	*0.395*	
0		1-5mins	*0.031*	*0.08*	*0.075*	*0.091*	*0.062*	*0.069*	*0.084*	*0.044*	
140	*145.6*	10 sec.	*0.291*	*0.424*	*0.771*	*0.993*	*0.651*	*0.736*	*0.932*	*0.479*	
0		1-5mins	*0.037*	*0.095*	*0.096*	*0.127*	*0.081*	*0.086*	*0.119*	*0.054*	
160	*158.4*	10 sec.	*0.31*	*0.46*	*0.831*	*1.101*	*0.702*	*0.794*	*1.039*	*0.536*	
0		1-5mins	*0.039*	*0.103*	*0.108*	*0.159*	*0.094*	*0.1*	*0.186*	*0.096*	
180	*180*	10 sec.	*0.305*	*0.503*	*0.893*	*1.28*	*0.785*	*0.839*	*1.453*	*0.696*	

		Mode of Failure
Max Load (psf)	**180.0**	Double sided tape disengaged from the panel stiffener vtop cap and ACM Panel.

Test#:	QJ4-2	
Max Load	180.0	psf
Allowable Design Load (ASD) = Max Load / 2	90.0	psf
Deflection Service Load (ASD) = Allowable * 0.7	63.0	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.400	in
Wall Deflection @ Deflection Service Load (ASD)	0.1604	in
Panel Deflection @ Deflection Service Load (ASD)	0.1150	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 - (ga 3 + ga 5)/2
0.0	0.000	0.000
40.0	0.098	0.070
56.6	0.148	0.094
90.1	0.240	0.155
117.6	0.307	0.206
145.6	0.379	0.282
158.4	0.409	0.335
180.0	0.435	0.441

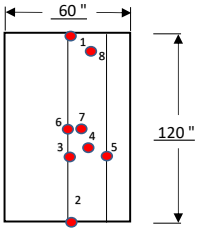
Test: **Transverse Load - Negative Wind Load** **Test#: QJ4-3** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 2/28/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 24" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	10:23	Temp:	23.5
Finish:	11:06	%RH	17

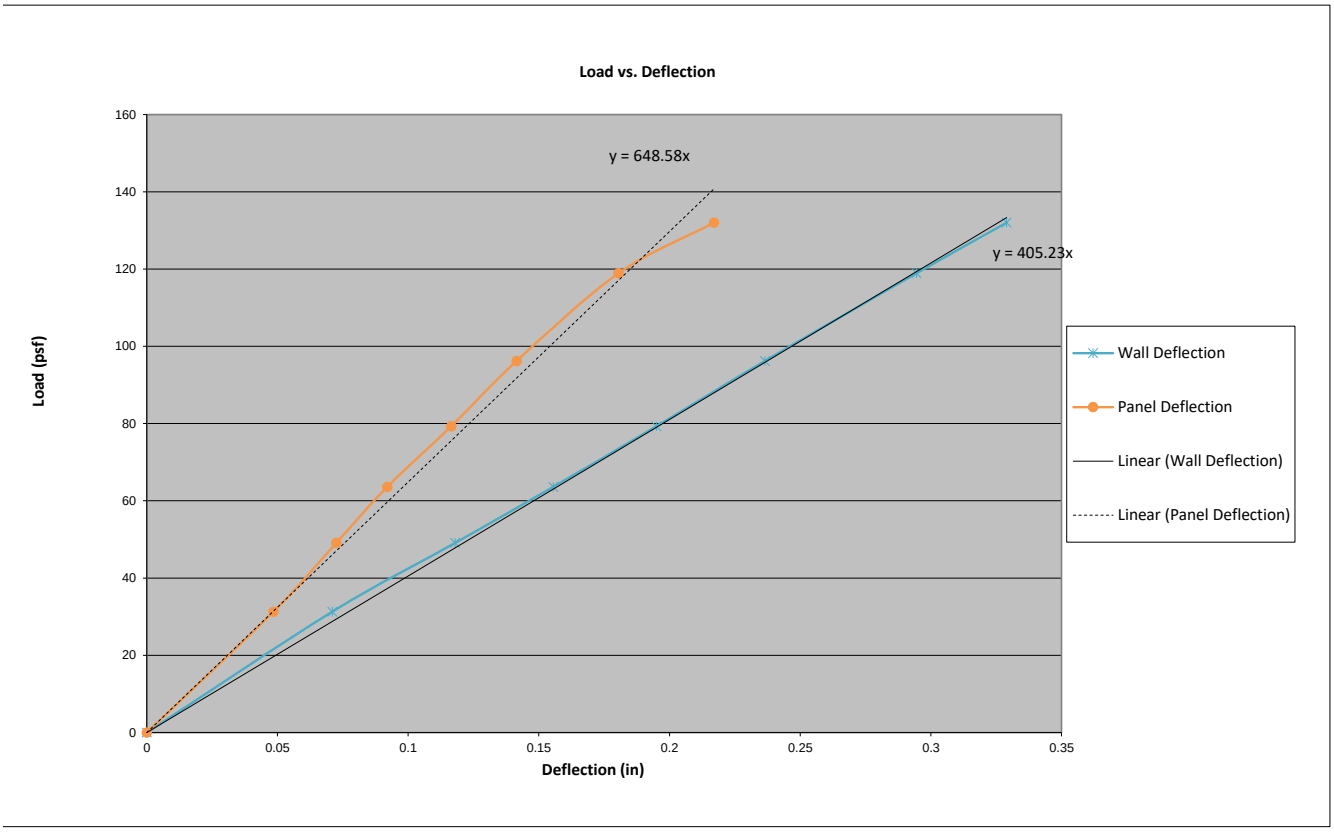
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	24

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*31.3*	10 sec.	*0.099*	*0.099*	*0.168*	*0.208*	*0.151*	*0.17*	*0.192*	*0.158*	
0		1-5mins	*0.011*	*0.014*	*0.012*	*0.015*	*0.013*	*0.014*	*0.016*	*0.011*	
45	*49.1*	10 sec.	*0.151*	*0.163*	*0.276*	*0.334*	*0.247*	*0.275*	*0.312*	*0.231*	
0		1-5mins	*0.019*	*0.029*	*0.026*	*0.03*	*0.027*	*0.02*	*0.031*	*0.027*	
60	*63.6*	10 sec.	*0.191*	*0.212*	*0.361*	*0.433*	*0.321*	*0.357*	*0.408*	*0.283*	
0		1-5mins	*0.027*	*0.042*	*0.041*	*0.046*	*0.04*	*0.04*	*0.047*	*0.029*	
75	*79.3*	10 sec.	*0.224*	*0.264*	*0.448*	*0.54*	*0.399*	*0.439*	*0.51*	*0.338*	
0		1-5mins	*0.034*	*0.056*	*0.053*	*0.06*	*0.055*	*0.052*	*0.061*	*0.036*	
90	*96.2*	10 sec.	*0.259*	*0.32*	*0.539*	*0.652*	*0.482*	*0.526*	*0.617*	*0.394*	
0		1-5mins	*0.04*	*0.07*	*0.065*	*0.077*	*0.069*	*0.062*	*0.075*	*0.044*	
115	*118.9*	10 sec.	*0.302*	*0.387*	*0.655*	*0.8*	*0.584*	*0.639*	*0.766*	*0.466*	
0		1-5mins	*0.046*	*0.087*	*0.08*	*0.109*	*0.088*	*0.076*	*0.098*	*0.052*	
130	*132*	10 sec.	*0.328*	*0.424*	*0.723*	*0.9*	*0.643*	*0.705*	*0.861*	*0.507*	
0		1-5mins	*0.05*	*0.093*	*0.09*	*0.123*	*0.096*	*0.084*	*0.112*	*0.061*	
150	*161.6*	10 sec.	*0.382*	*0.495*	*0.871*	*1.104*	*0.764*	*0.849*	*1.067*	*0.59*	
0		1-5mins	*0.058*	*0.106*	*0.111*	*0.166*	*0.115*	*0.103*	*0.147*	*0.071*	
175	*174.5*	10 sec.	*0.374*	*0.506*	*0.888*	*1.315*	*0.794*	*0.853*	*1.542*	*0.65*	
0		1-5mins	*0.059*	*0.11*	*0.121*	*0.246*	*0.135*	*0.131*	*0.347*	*0.112*	

		Mode of Failure
Max Load (psf)	**174.5**	Double Sided tape disengaged from the panel stiffener top cap and ACM Panel while going to 190 PSF.

Test#:	QJ4-3	
Max Load	174.5	psf
Allowable Design Load (ASD) = Max Load / 2	87.3	psf
Deflection Service Load (ASD) = Allowable * 0.7	61.1	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.400	in
Wall Deflection @ Deflection Service Load (ASD)	0.1502	in
Panel Deflection @ Deflection Service Load (ASD)	0.0898	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 - (ga 3 + ga 5)/2
0.0	0.000	0.000
31.3	0.071	0.049
49.1	0.118	0.073
63.6	0.156	0.092
79.3	0.195	0.117
96.2	0.237	0.142
118.9	0.295	0.181
132.0	0.329	0.217
161.6	0.411	0.287
174.5	0.413	0.474

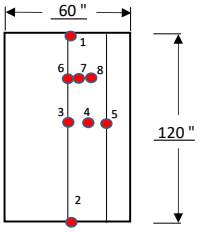
Test: **Transverse Load - Negative Wind Load** **Test#: QJ6-1** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 2/21/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 60" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	10:23	Temp:	23.5
Finish:	11:06	%RH	17

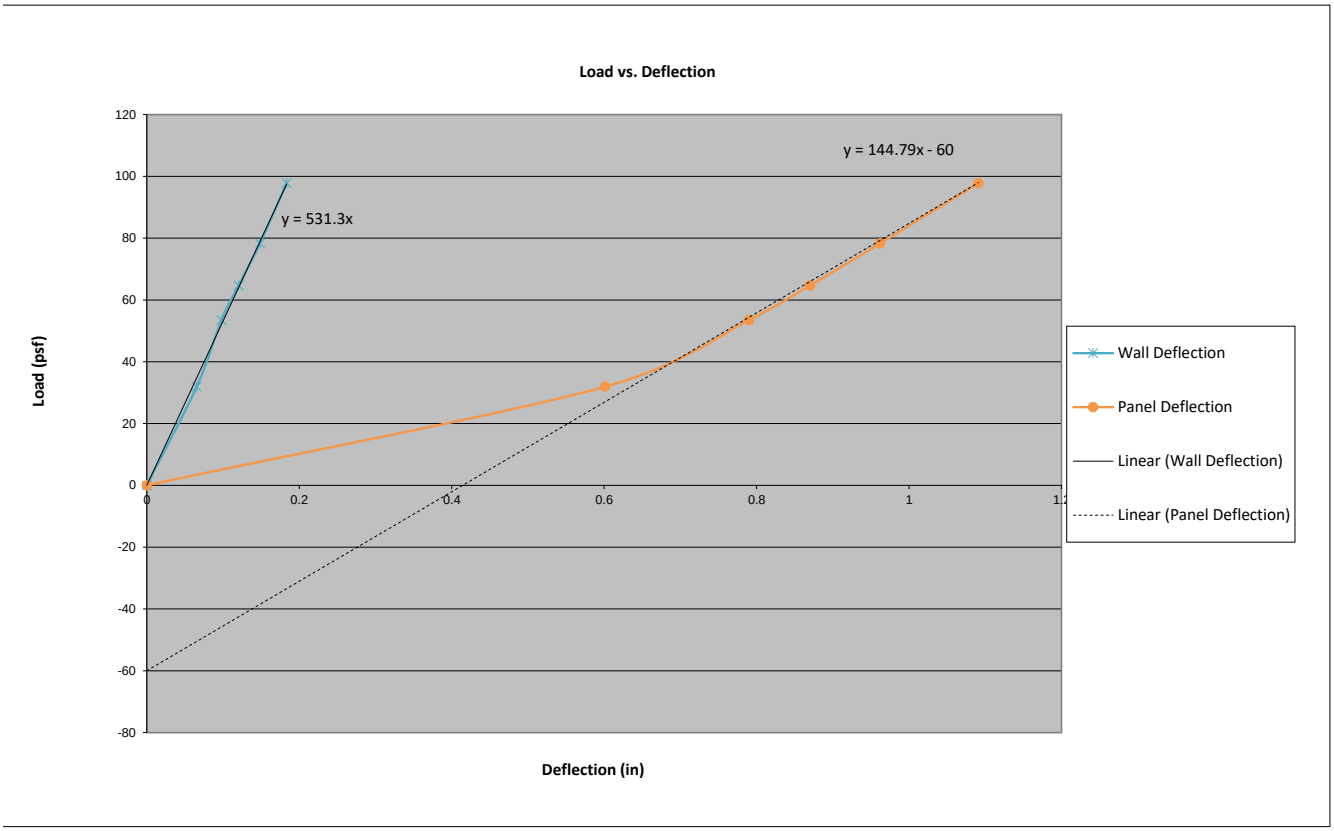
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	60

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*17*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*31.9*	10 sec.	*0.053*	*0.05*	*0.117*	*0.207*	*0.099*	*0.107*	*0.708*	*0.717*	
0		1-5mins	*0.004*	*0.007*	*0.006*	*0.01*	*0.007*	*0.006*	*0.025*	*0.025*	
45	*53.5*	10 sec.	*0.087*	*0.095*	*0.189*	*0.357*	*0.175*	*0.179*	*0.969*	*0.975*	
0		1-5mins	*0.008*	*0.015*	*0.002*	*0.026*	*0.014*	*0.012*	*0.053*	*0.053*	
60	*64.7*	10 sec.	*0.103*	*0.112*	*0.228*	*0.436*	*0.214*	*0.213*	*1.083*	*1.093*	
0		1-5mins	*0.01*	*0.012*	*0.001*	*0.04*	*0.019*	*0.015*	*0.073*	*0.074*	
75	*78.3*	10 sec.	*0.122*	*0.141*	*0.28*	*0.537*	*0.262*	*0.254*	*1.216*	*1.224*	
0		1-5mins	*0.012*	*0.018*	*0.006*	*0.064*	*0.023*	*0.019*	*0.104*	*0.1*	
90	*97.8*	10 sec.	*0.147*	*0.18*	*0.347*	*0.686*	*0.324*	*0.308*	*1.399*	*1.406*	
0		1-5mins	*0.015*	*0.026*	*0.013*	*0.113*	*0.029*	*0.023*	*0.162*	*0.156*	

		Mode of Failure
Max Load (psf)	**97.8**	Double Sided tape failed on the panel stiffener top cap.

Test#:	QJ6-1	
Max Load	97.8	psf
Allowable Design Load (ASD) = Max Load / 2	48.9	psf
Deflection Service Load (ASD) = Allowable * 0.7	34.2	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	1.000	in
Wall Deflection @ Deflection Service Load (ASD)	0.0644	in
Panel Deflection @ Deflection Service Load (ASD)	0.6615	in



Target Load (psf)	Wall Deflection = ga 3 - (ga 1 + ga 2)/2) (in)	Panel Deflection = ga 7 - ga 6)
0.0	0.000	0.000
31.9	0.066	0.601
53.5	0.098	0.790
64.7	0.121	0.870
78.3	0.149	0.962
97.8	0.184	1.091

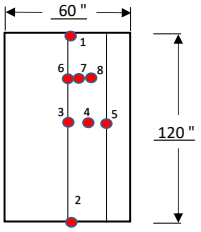
Test: **Transverse Load - Negative Wind Load** **Test#: QJ6-2** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 1/29/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 60" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	10:30	Temp:	22.8
Finish:	10:45	%RH	16

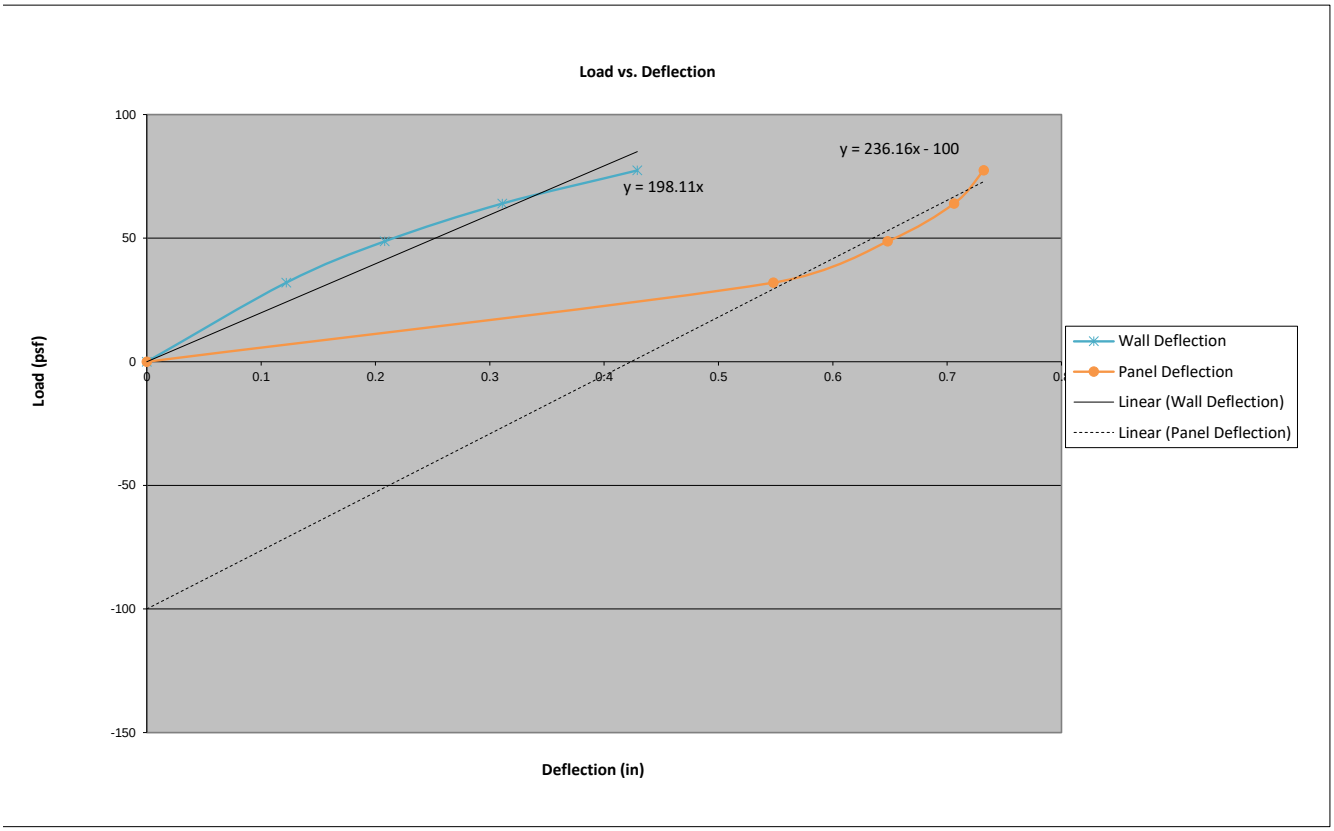
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	60

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*17.6*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*32*	10 sec.	*0.066*	*0.108*	*0.209*	*0.269*	*0.16*	*0.178*	*0.726*	*0.742*	
0		1-5mins	*0.004*	*0.018*	*0.014*	*0.016*	*0.012*	*0.01*	*0.02*	*0.02*	
45	*48.7*	10 sec.	*0.099*	*0.171*	*0.343*	*0.419*	*0.252*	*0.294*	*0.942*	*0.954*	
0		1-5mins	*0.009*	*0.038*	*0.029*	*0.04*	*0.027*	*0.021*	*0.043*	*0.045*	
60	*64*	10 sec.	*0.133*	*0.233*	*0.494*	*0.567*	*0.352*	*0.421*	*1.127*	*1.134*	
0		1-5mins	*0.013*	*0.054*	*0.037*	*0.065*	*0.041*	*0.031*	*0.074*	*0.073*	
75	*77.4*	10 sec.	*0.162*	*0.282*	*0.651*	*0.706*	*0.452*	*0.551*	*1.283*	*1.281*	
0		1-5mins	*0.017*	*0.062*	*0.043*	*0.09*	*0.054*	*0.039*	*0.102*	*0.099*	
90	*91.7*	10 sec.	*0.192*	*0.344*	*0.884*	*0.885*	*0.638*	*0.731*	*1.446*	*1.436*	
0		1-5mins	*0.021*	*0.07*	*0.055*	*0.126*	*0.069*	*0.047*	*0.14*	*0.135*	
105	*106.1*	10 sec.	*0.234*	*0.432*	*1.339*	*1.178*	*0.951*	*1.073*	*1.659*	*1.624*	
0		1-5mins	*0.023*	*0.078*	*0.076*	*0.209*	*0.09*	*0.06*	*0.214*	*0.2*	

		Mode of Failure
Max Load (psf)	**106.1**	Double Sided tape failed on the panel stiffener top cap going to 120 PSF.

Test#:	QJ6-2	
Max Load	106.1	psf
Allowable Design Load (ASD) = Max Load / 2	53.1	psf
Deflection Service Load (ASD) = Allowable * 0.7	37.1	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	1.000	in
Wall Deflection @ Deflection Service Load (ASD)	0.2158	in
Panel Deflection @ Deflection Service Load (ASD)	0.5800	in



Target Load (psf)	Wall Deflection = ga 3 - (ga 1 + ga 2)/2) (in)	Panel Deflection = ga 7 - ga 6)
0.0	0.000	0.000
32.0	0.122	0.548
48.7	0.208	0.648
64.0	0.311	0.706
77.4	0.429	0.732
91.7	0.616	0.715
106.1	1.006	0.586

Test: **Transverse Load - Negative Wind Load** **Test#: QJ6-3** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 2/24/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

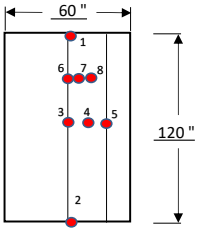
Installation:
Configuration: 60" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer

Equipment:
Pressure Chamber
Motor: Core Sensors Model: CS10 - 2400
Press. Controller: S/N - G205141344
Pressure Sensors:
+/- 2 kPa: p/n 1136
+/- 7 kPa: p/n 1137
50 kPa: p/n 1138
Phidget: S/N - 5015249240311

Deflection Gauges(Phidget potentiometers)

Sensor 1:	S/N - F29B
Sensor 2:	S/N - 9BFA
Sensor 3:	S/N - 87CE
Sensor 4:	S/N - F16B
Sensor 5:	S/N - F14E
Sensor 6:	S/N - F28I
Sensor 7:	S/N - F174
Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	1:46	Temp:	23.2
Finish:	2:21	%RH	19

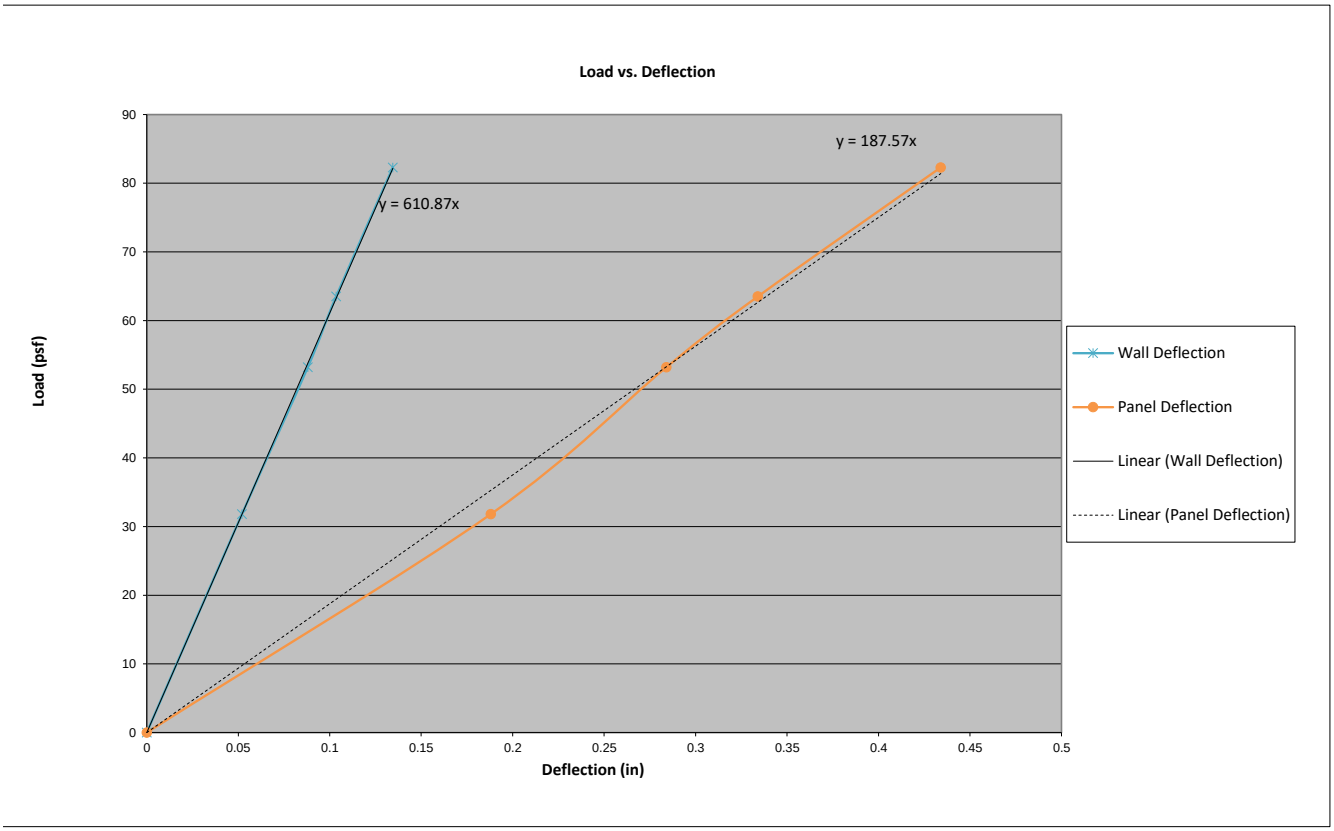
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	60

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*17*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*31.8*	10 sec.	*0.051*	*0.057*	*0.106*	*0.29*	*0.102*	*0.721*	*0.783*	*0.081*	
0		1-5mins	*0.001*	*0.002*	*0.006*	*0.007*	*0.004*	*0.019*	*0.025*	*0.024*	
45	*53.2*	10 sec.	*0.08*	*0.092*	*0.174*	*0.448*	*0.164*	*0.985*	*1.022*	*0.138*	
0		1-5mins	*0.001*	*0.003*	*0.006*	*0.008*	*0.005*	*0.019*	*0.025*	*0.028*	
60	*63.5*	10 sec.	*0.093*	*0.108*	*0.204*	*0.525*	*0.191*	*0.163*	*1.121*	*1.084*	
0		1-5mins	*0.002*	*0.004*	*0.008*	*0.014*	*0.007*	*0.021*	*0.033*	*0.034*	
75	*82.3*	10 sec.	*0.116*	*0.139*	*0.262*	*0.679*	*0.245*	*1.26*	*1.298*	*0.216*	
0		1-5mins	*0.003*	*0.009*	*0.013*	*0.037*	*0.012*	*0.025*	*0.056*	*0.056*	
90	*91.6*	10 sec.	*0.128*	*0.159*	*0.292*	*0.822*	*0.274*	*1.358*	*1.399*	*0.241*	
0		1-5mins	*0.005*	*0.013*	*0.016*	*0.059*	*0.016*	*0.028*	*0.082*	*0.081*	

		Mode of Failure
Max Load (psf)	**91.6**	Double Sided tape failed on the panel stiffener top cap.

Test#:	QJ6-3	
Max Load	91.6	psf
Allowable Design Load (ASD) = Max Load / 2	45.8	psf
Deflection Service Load (ASD) = Allowable * 0.7	32.1	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	1.000	in
Wall Deflection @ Deflection Service Load (ASD)	0.0523	in
Panel Deflection @ Deflection Service Load (ASD)	0.1705	in



Target Load (psf)	Wall Deflection = ga 3 - (ga 1 + ga 2)/2) (in)	Panel Deflection = ga 4 - ga 5)
0.0	0.000	0.000
31.8	0.052	0.188
53.2	0.088	0.284
63.5	0.104	0.334
82.3	0.135	0.434
91.6	0.149	0.548

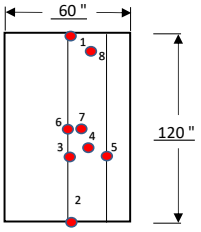
Test: **Transverse Load - Negative Wind Load** **Test#: QJ7-1** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 3/3/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 24" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer & Silicon

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	9:15	Temp:	23.5
Finish:	9:41	%RH	19

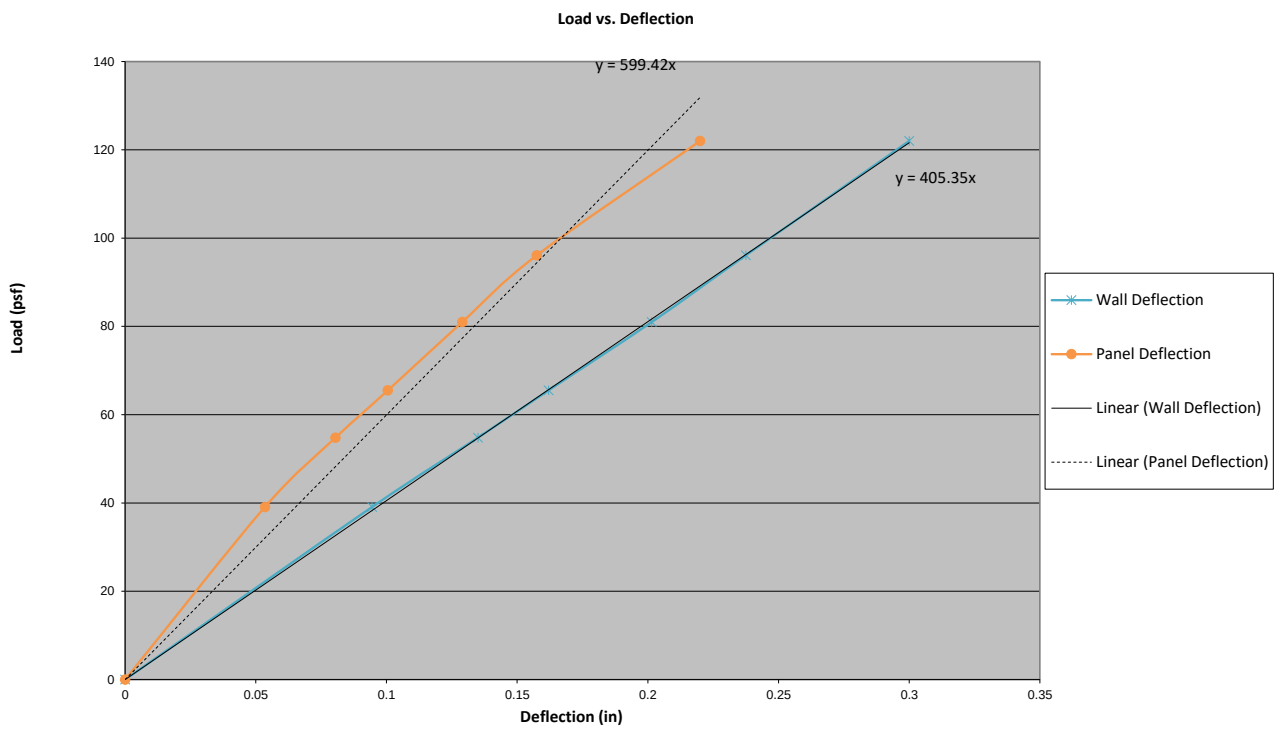
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	24

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15.4*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*39.1*	10 sec.	*0.109*	*0.096*	*0.192*	*0.234*	*0.169*	*0.197*	*0.239*	*0.194*	
0		1-5mins	*0.011*	*0.016*	*0.015*	*0.013*	*0.011*	*0.01*	*0.016*	*0.014*	
50	*54.8*	10 sec.	*0.156*	*0.142*	*0.276*	*0.341*	*0.245*	*0.284*	*0.349*	*0.26*	
0		1-5mins	*0.021*	*0.028*	*0.027*	*0.026*	*0.023*	*0.027*	*0.028*	*0.017*	
65	*65.5*	10 sec.	*0.185*	*0.177*	*0.335*	*0.418*	*0.3*	*0.343*	*0.427*	*0.303*	
0		1-5mins	*0.027*	*0.037*	*0.036*	*0.037*	*0.032*	*0.035*	*0.038*	*0.022*	
80	*81*	10 sec.	*0.217*	*0.226*	*0.416*	*0.525*	*0.376*	*0.423*	*0.53*	*0.356*	
0		1-5mins	*0.033*	*0.051*	*0.049*	*0.051*	*0.045*	*0.045*	*0.051*	*0.029*	
95	*96.1*	10 sec.	*0.248*	*0.281*	*0.499*	*0.635*	*0.456*	*0.502*	*0.639*	*0.411*	
0		1-5mins	*0.038*	*0.066*	*0.061*	*0.068*	*0.06*	*0.055*	*0.063*	*0.034*	
120	*122*	10 sec.	*0.299*	*0.373*	*0.636*	*0.834*	*0.592*	*0.636*	*0.828*	*0.506*	
0		1-5mins	*0.045*	*0.09*	*0.079*	*0.103*	*0.082*	*0.069*	*0.091*	*0.044*	
140	*138*	10 sec.	*0.327*	*0.427*	*0.716*	*0.961*	*0.671*	*0.714*	*0.953*	*0.555*	
0		1-5mins	*0.05*	*0.105*	*0.092*	*0.13*	*0.096*	*0.076*	*0.116*	*0.049*	
160	*164.5*	10 sec.	*0.367*	*0.491*	*0.841*	*1.146*	*0.794*	*0.837*	*1.159*	*0.67*	
0		1-5mins	*0.054*	*0.121*	*0.105*	*0.17*	*0.115*	*0.088*	*0.178*	*0.072*	

		Mode of Failure
Max Load (psf)	**164.5**	Panel Stiffener screws pulled out from the steel studs.

Test#:	QJ7-1	
Max Load	164.5	psf
Allowable Design Load (ASD) = Max Load / 2	82.3	psf
Deflection Service Load (ASD) = Allowable * 0.7	57.6	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.400	in
Wall Deflection @ Deflection Service Load (ASD)	0.1420	in
Panel Deflection @ Deflection Service Load (ASD)	0.0772	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 - (ga 3 + ga 5)
0.0	0.000	0.000
39.1	0.095	0.054
54.8	0.135	0.081
65.5	0.162	0.101
81.0	0.202	0.129
96.1	0.238	0.158
122.0	0.300	0.220
138.0	0.337	0.268
164.5	0.408	0.329

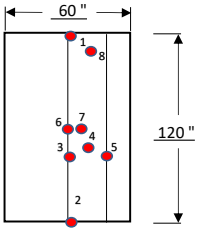
Test: **Transverse Load - Negative Wind Load** **Test#: QJ7-2** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 3/3/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 24" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer & Silicon

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations (not to scale)	
Gauge 1:	Stud
Gauge 2:	Stud
Gauge 3:	Stud
Gauge 4:	Panel/Stiff
Gauge 5:	Stud
Gauge 6:	Stud
Gauge 7:	Panel
Gauge 8:	Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	3:18	Temp:	25.2
Finish:	4:03	%RH	21

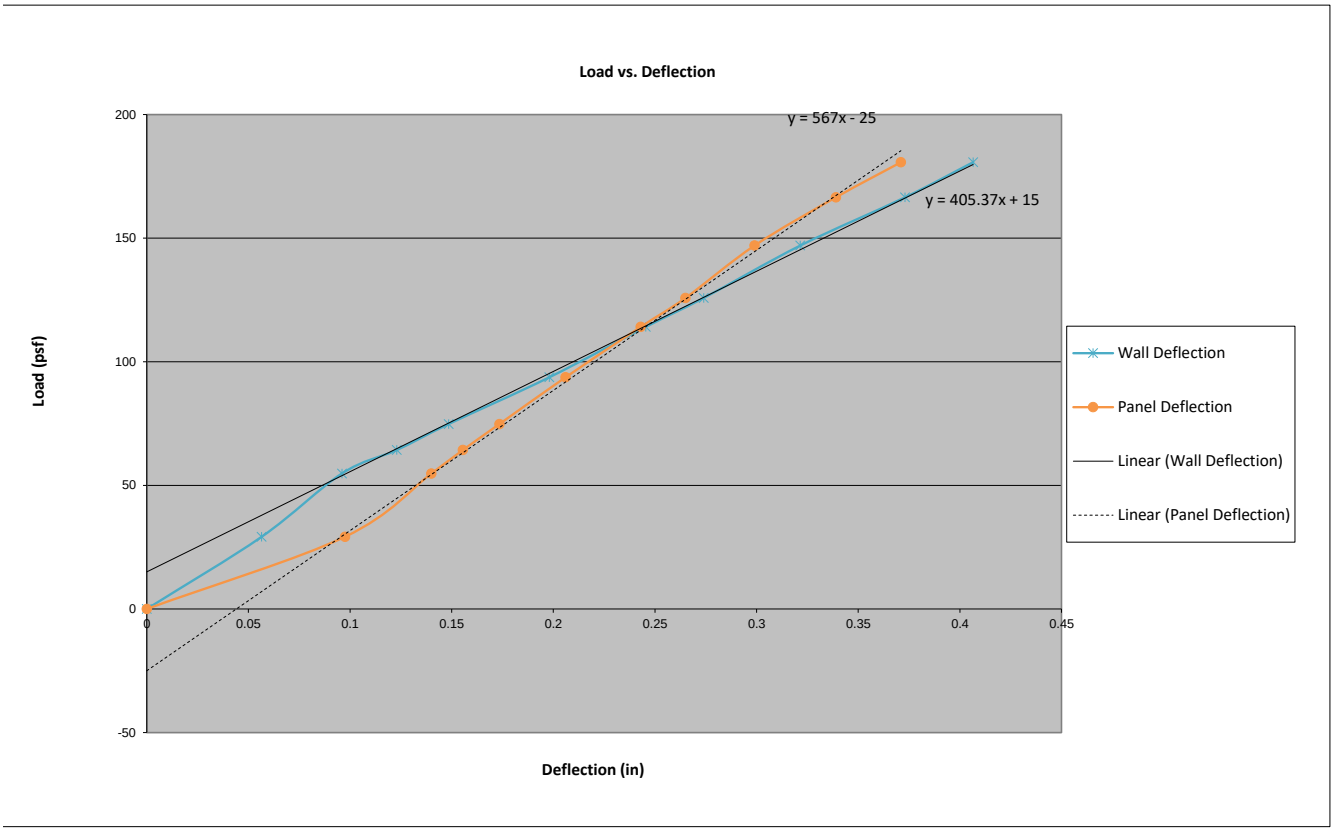
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	24

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*14*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*29.2*	10 sec.	*0.097*	*0.088*	*0.151*	*0.226*	*0.106*	*0.149*	*0.215*	*0.159*	
0		1-5mins	*0.01*	*0.007*	*0.008*	*0.007*	*0.006*	*0.009*	*0.007*	*0.013*	
45	*54.8*	10 sec.	*0.169*	*0.177*	*0.295*	*0.395*	*0.215*	*0.269*	*0.372*	*0.262*	
0		1-5mins	*0.029*	*0.024*	*0.026*	*0.021*	*0.02*	*0.005*	*0.021*	*0.034*	
60	*64.3*	10 sec.	*0.193*	*0.209*	*0.35*	*0.46*	*0.259*	*0.324*	*0.433*	*0.297*	
0		1-5mins	*0.038*	*0.032*	*0.035*	*0.03*	*0.029*	*0.014*	*0.03*	*0.045*	
75	*74.8*	10 sec.	*0.215*	*0.24*	*0.402*	*0.524*	*0.299*	*0.376*	*0.491*	*0.334*	
0		1-5mins	*0.046*	*0.04*	*0.044*	*0.038*	*0.036*	*0.023*	*0.04*	*0.052*	
90	*93.7*	10 sec.	*0.253*	*0.297*	*0.5*	*0.642*	*0.372*	*0.473*	*0.602*	*0.398*	
0		1-5mins	*0.057*	*0.054*	*0.057*	*0.052*	*0.05*	*0.036*	*0.054*	*0.064*	
105	*114.1*	10 sec.	*0.295*	*0.362*	*0.607*	*0.771*	*0.449*	*0.574*	*0.72*	*0.464*	
0		1-5mins	*0.067*	*0.071*	*0.073*	*0.07*	*0.065*	*0.049*	*0.07*	*0.074*	
120	*125.8*	10 sec.	*0.32*	*0.404*	*0.669*	*0.846*	*0.493*	*0.636*	*0.792*	*0.699*	
0		1-5mins	*0.073*	*0.086*	*0.087*	*0.085*	*0.075*	*0.058*	*0.085*	*0.08*	
145	*147*	10 sec.	*0.357*	*0.456*	*0.761*	*0.958*	*0.557*	*0.728*	*0.902*	*0.551*	
0		1-5mins	*0.078*	*0.098*	*0.097*	*0.103*	*0.085*	*0.066*	*0.1*	*0.085*	
160	*166.5*	10 sec.	*0.4*	*0.512*	*0.86*	*1.082*	*0.626*	*0.829*	*1.023*	*0.61*	
0		1-5mins	*0.083*	*0.113*	*0.112*	*0.122*	*0.098*	*0.077*	*0.123*	*0.091*	
180	*180.7*	10 sec.	*0.43*	*0.551*	*0.928*	*1.171*	*0.672*	*0.897*	*1.104*	*0.648*	
0		1-5mins	*0.087*	*0.124*	*0.125*	*0.144*	*0.108*	*0.085*	*0.141*	*0.095*	

		Mode of Failure
Max Load (psf)	**180.7**	Steel studs bended and panel stiffeners where let go

Test#:	QJ7-2	
Max Load	180.7	psf
Allowable Design Load (ASD) = Max Load / 2	90.4	psf
Deflection Service Load (ASD) = Allowable * 0.7	63.2	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.400	in
Wall Deflection @ Deflection Service Load (ASD)	0.1343	in
Panel Deflection @ Deflection Service Load (ASD)	0.1561	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 - (ga 3 + ga 5)
0.0	0.000	0.000
29.2	0.057	0.098
54.8	0.096	0.140
64.3	0.123	0.156
74.8	0.149	0.174
93.7	0.198	0.206
114.1	0.246	0.243
125.8	0.274	0.265
147.0	0.322	0.299
166.5	0.373	0.339
180.7	0.407	0.371

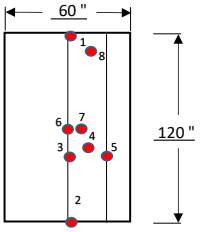
Test: **Transverse Load - Negative Wind Load** **Test#: QJ7-3** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 3/4/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 24" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer & Silicon

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	9:55	Temp:	22.9
Finish:	10:21	%RH	19

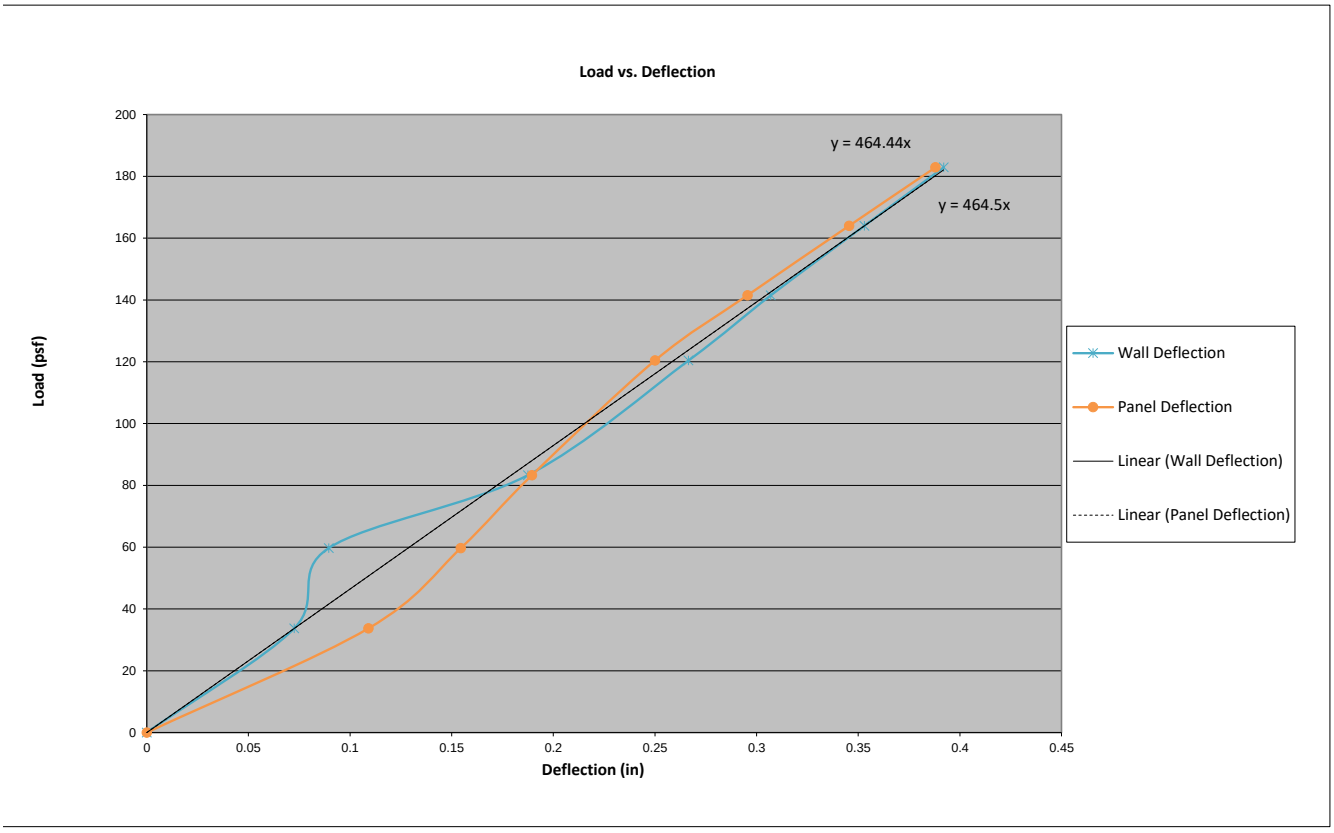
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	24

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15.7*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*33.7*	10 sec.	*0.101*	*0.102*	*0.178*	*0.263*	*0.13*	*0.174*	*0.239*	*0.164*	
0		1-5mins	*0.001*	*0.001*	*0.001*	*0.002*	*0.001*	*0.001*	*0.004*	*0.001*	
60	*59.7*	10 sec.	*0.154*	*0.165*	*0.304*	*0.418*	*0.223*	*0.249*	*0.381*	*0.294*	
0		1-5mins	*0.004*	*0.003*	*0.003*	*0.001*	*0.003*	*0.002*	*0.004*	*0.003*	
80	*83.3*	10 sec.	*0.19*	*0.213*	*0.405*	*0.54*	*0.296*	*0.389*	*0.494*	*0.312*	
0		1-5mins	*0.004*	*0.005*	*0.005*	*0*	*0.005*	*0.005*	*0.007*	*0.003*	
120	*120.4*	10 sec.	*0.248*	*0.309*	*0.576*	*0.745*	*0.414*	*0.545*	*0.686*	*0.392*	
0		1-5mins	*0.009*	*0.019*	*0.016*	*0.013*	*0.014*	*0.014*	*0.007*	*0.003*	
140	*141.5*	10 sec.	*0.289*	*0.377*	*0.679*	*0.879*	*0.488*	*0.64*	*0.811*	*0.443*	
0		1-5mins	*0.014*	*0.035*	*0.028*	*0.036*	*0.022*	*0.023*	*0.03*	*0.001*	
160	*164*	10 sec.	*0.33*	*0.452*	*0.796*	*1.027*	*0.567*	*0.744*	*0.951*	*0.489*	
0		1-5mins	*0.018*	*0.052*	*0.042*	*0.064*	*0.034*	*0.033*	*0.06*	*0.001*	
180	*182.9*	10 sec.	*0.364*	*0.516*	*0.892*	*1.151*	*0.634*	*0.832*	*1.073*	*0.532*	
0		1-5mins	*0.022*	*0.068*	*0.056*	*0.091*	*0.045*	*0.043*	*0.09*	*0.005*	

		Mode of Failure
Max Load (psf)	**182.9**	Screw from panel stiffeners were pull out while going to 220 psf.

Test#:	QJ7-3	
Max Load	182.9	psf
Allowable Design Load (ASD) = Max Load / 2	91.5	psf
Deflection Service Load (ASD) = Allowable * 0.7	64.0	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.400	in
Wall Deflection @ Deflection Service Load (ASD)	0.1378	in
Panel Deflection @ Deflection Service Load (ASD)	0.1619	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 - (ga 3 + ga 5)
0.0	0.000	0.000
33.7	0.073	0.109
59.7	0.090	0.155
83.3	0.188	0.190
120.4	0.267	0.250
141.5	0.307	0.296
164.0	0.353	0.346
182.9	0.392	0.388

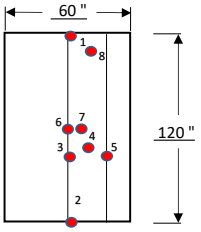
Test: **Transverse Load - Negative Wind Load** **Test#: QJ8-1** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 3/5/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 12" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer & Silicon

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	3:23	Temp:	23
Finish:	4:11	%RH	18

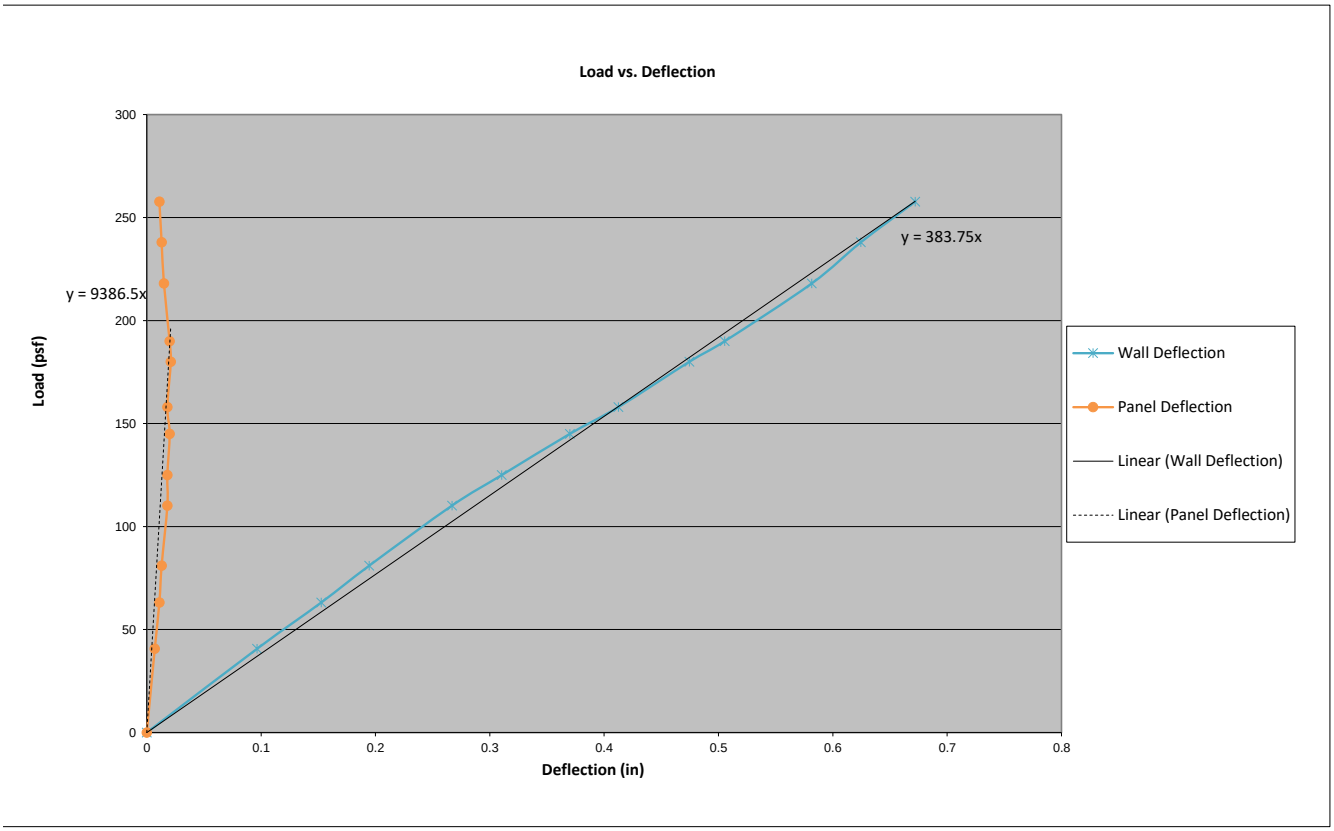
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	12

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15.6*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*40.7*	10 sec.	*0.094*	*0.095*	*0.184*	*0.189*	*0.129*	*0.191*	*0.198*	*0.089*	
0		1-5mins	*0.006*	*0.008*	*0.005*	*0.005*	*0.006*	*0.005*	*0.006*	*0.007*	
60	*63.1*	10 sec.	*0.159*	*0.176*	*0.311*	*0.318*	*0.217*	*0.32*	*0.331*	*0.146*	
0		1-5mins	*0.022*	*0.025*	*0.02*	*0.02*	*0.017*	*0.02*	*0.022*	*0.022*	
80	*81*	10 sec.	*0.209*	*0.244*	*0.415*	*0.421*	*0.288*	*0.421*	*0.434*	*0.186*	
0		1-5mins	*0.034*	*0.041*	*0.035*	*0.033*	*0.027*	*0.032*	*0.036*	*0.034*	
100	*110.2*	10 sec.	*0.277*	*0.345*	*0.574*	*0.583*	*0.4*	*0.578*	*0.596*	*0.25*	
0		1-5mins	*0.05*	*0.05*	*0.054*	*0.05*	*0.042*	*0.034*	*0.054*	*0.049*	
120	*125*	10 sec.	*0.312*	*0.389*	*0.655*	*0.666*	*0.456*	*0.661*	*0.679*	*0.279*	
0		1-5mins	*0.061*	*0.064*	*0.066*	*0.062*	*0.052*	*0.045*	*0.066*	*0.058*	
140	*145*	10 sec.	*0.355*	*0.451*	*0.765*	*0.776*	*0.53*	*0.773*	*0.793*	*0.32*	
0		1-5mins	*0.072*	*0.079*	*0.079*	*0.074*	*0.062*	*0.057*	*0.077*	*0.069*	
160	*158*	10 sec.	*0.383*	*0.494*	*0.839*	*0.852*	*0.581*	*0.851*	*0.869*	*0.349*	
0		1-5mins	*0.079*	*0.089*	*0.09*	*0.083*	*0.069*	*0.065*	*0.086*	*0.073*	
180	*180*	10 sec.	*0.426*	*0.559*	*0.953*	*0.967*	*0.659*	*0.967*	*0.988*	*0.381*	
0		1-5mins	*0.087*	*0.102*	*0.102*	*0.1*	*0.078*	*0.077*	*0.1*	*0.08*	
200	*190*	10 sec.	*0.449*	*0.596*	*0.58*	*1.026*	*0.699*	*1.028*	*1.048*	*0.412*	
0		1-5mins	*0.095*	*0.116*	*0.114*	*0.111*	*0.087*	*0.087*	*0.111*	*0.088*	
220	*218*	10 sec.	*0.51*	*0.741*	*1.184*	*1.197*	*0.821*	*1.207*	*1.222*	*0.468*	
0		1-5mins	*0.106*	*0.159*	*0.143*	*0.139*	*0.107*	*0.115*	*0.138*	*0.095*	
240	*238*	10 sec.	*0.558*	*0.837*	*1.3*	*1.308*	*0.902*	*1.322*	*1.335*	*0.507*	
0		1-5mins	*0.117*	*0.192*	*0.166*	*0.159*	*0.123*	*0.137*	*0.159*	*0.102*	
260	*257.7*	10 sec.	*0.633*	*0.985*	*1.463*	*1.462*	*1.017*	*1.481*	*1.492*	*0.562*	
0		1-5mins	*0.133*	*0.246*	*0.2*	*0.189*	*0.148*	*0.17*	*0.19*	*0.11*	
280	*286.2*	10 sec.	*0.782*	*1.187*	*1.723*	*1.702*	*1.187*	*1.757*	*1.74*	*0.654*	
0		1-5mins	0.19	0.353	0.302	0.294	0.213	0.268	0.293	0.123	
300	*306.1*	10 sec.	*0.852*	*1.534*	*0.301*	*1.925*	*1.352*	*0.2*	*1.95*	*0.707*	
0		1-5mins	0.205	*0.479*	*0.301*	*0.381*	*0.269*	*0.339*	*0.367*	*0.129*	
320	*320*	10 sec.	*0.9*	*1.623*	*0.301*	*2.027*	*1.419*	*2.097*	*2.062*	*0.752*	

		Mode of Failure
Max Load (psf)	**306.1**	Steel studs started to bend. Test Discontinued

Test#:	QJ8-1	
Max Load	306.1	psf
Allowable Design Load (ASD) = Max Load / 2	153.1	psf
Deflection Service Load (ASD) = Allowable * 0.7	107.1	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.200	in
Wall Deflection @ Deflection Service Load (ASD)	0.2812	in
Panel Deflection @ Deflection Service Load (ASD)	0.0145	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 7 - ga 6)
0.0	0.000	0.000
40.7	0.097	0.007
63.1	0.153	0.011
81.0	0.195	0.013
110.2	0.267	0.018
125.0	0.311	0.018
145.0	0.370	0.020
158.0	0.413	0.018
180.0	0.475	0.021
190.0	0.506	0.020
218.0	0.582	0.015
238.0	0.625	0.013
257.7	0.672	0.011
286.2	0.773	-0.017
306.1	-0.993	1.750
320.0	0.836	-0.035

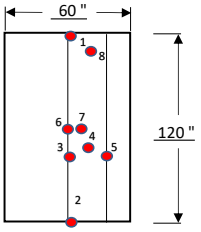
Test: **Transverse Load - Negative Wind Load** **Test#: QJ8-2** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 3/6/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 12" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer & Silicon

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	4:05	Temp:	21.9
Finish:	4:38	%RH	18

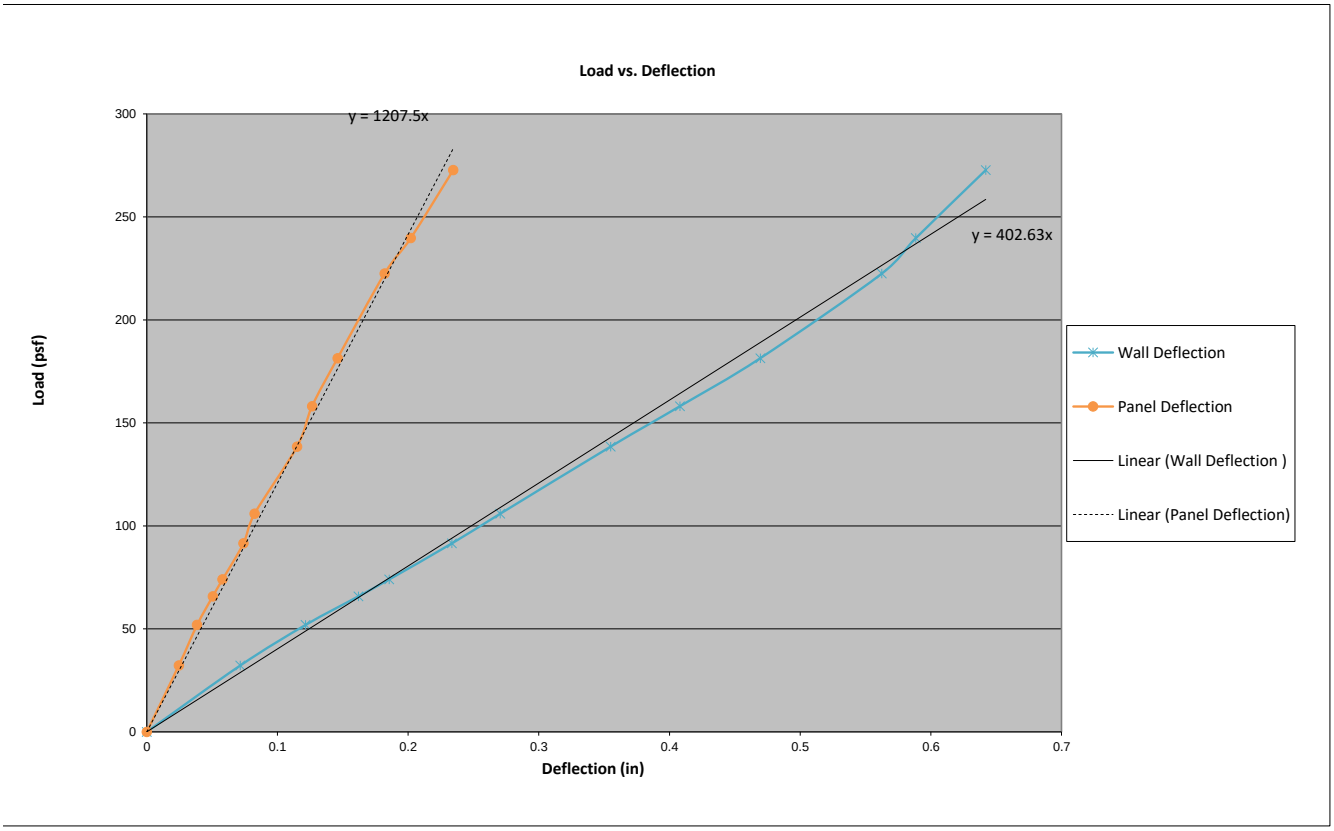
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	12

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*32.2*	10 sec.	*0.102*	*0.085*	*0.157*	*0.156*	*0.106*	*0.165*	*0.175*	*0.091*	
0		1-5mins	*0.008*	*0.01*	*0.011*	*0.011*	*0.007*	*0.009*	*0.01*	*0.009*	
45	*51.9*	10 sec.	*0.174*	*0.145*	*0.271*	*0.266*	*0.184*	*0.281*	*0.288*	*0.154*	
0		1-5mins	*0.025*	*0.025*	*0.029*	*0.028*	*0.019*	*0.028*	*0.026*	*0.024*	
60	*65.8*	10 sec.	*0.218*	*0.188*	*0.351*	*0.348*	*0.244*	*0.365*	*0.369*	*0.19*	
0		1-5mins	*0.036*	*0.039*	*0.041*	*0.039*	*0.029*	*0.041*	*0.039*	*0.035*	
75	*74*	10 sec.	*0.243*	*0.216*	*0.399*	*0.394*	*0.273*	*0.415*	*0.416*	*0.212*	
0		1-5mins	*0.044*	*0.047*	*0.05*	*0.048*	*0.036*	*0.05*	*0.046*	*0.04*	
90	*91.5*	10 sec.	*0.296*	*0.273*	*0.498*	*0.492*	*0.338*	*0.518*	*0.516*	*0.252*	
0		1-5mins	*0.06*	*0.063*	*0.066*	*0.061*	*0.045*	*0.066*	*0.063*	*0.051*	
105	*105.9*	10 sec.	*0.337*	*0.324*	*0.581*	*0.569*	*0.392*	*0.601*	*0.597*	*0.283*	
0		1-5mins	*0.074*	*0.078*	*0.08*	*0.073*	*0.053*	*0.079*	*0.075*	*0.06*	
120	*138.5*	10 sec.	*0.415*	*0.441*	*0.758*	*0.747*	*0.506*	*0.783*	*0.074*	*0.346*	Guage 7 stuck
0		1-5mins	*0.101*	*0.11*	*0.11*	*0.1*	*0.054*	*0.108*	*0.074*	*0.078*	
150	*158.1*	10 sec.	*0.458*	*0.514*	*0.868*	*0.856*	*0.591*	*0.894*	*0.074*	*0.385*	
0		1-5mins	*0.111*	*0.134*	*0.127*	*0.122*	*0.072*	*0.124*	*0.074*	*0.084*	
175	*181.4*	10 sec.	*0.508*	*0.601*	*0.998*	*0.991*	*0.692*	*1.024*	*0.074*	*0.429*	
0		1-5mins	*0.122*	*0.163*	*0.149*	*0.145*	*0.092*	*0.145*	*0.074*	*0.092*	
220	*222.5*	10 sec.	*0.613*	*0.788*	*1.238*	*1.238*	*0.874*	*1.263*	*0.074*	*0.518*	
0		1-5mins	*0.147*	*0.232*	*0.196*	*0.195*	*0.133*	*0.188*	*0.074*	*0.108*	
240	*239.7*	10 sec.	*0.701*	*0.9*	*1.361*	*1.366*	*0.967*	*1.389*	*0.074*	*0.573*	
0		1-5mins	*0.173*	*0.264*	*0.225*	*0.225*	*0.158*	*0.215*	*0.074*	*0.119*	
280	*272.7*	10 sec.	*0.861*	*1.117*	*1.607*	*1.613*	*1.15*	*1.631*	*0.074*	*0.684*	
0		1-5mins	*0.217*	*0.355*	*0.296*	*0.296*	*0.213*	*0.281*	*0.074*	*0.136*	
290	*285.8*	10 sec.	*0.968*	*1.216*	*1.727*	*1.752*	*1.243*	*1.755*	*0.074*	*0.752*	
0		1-5mins	0.268	0.402	0.342	0.355	0.251	0.328	0.074	0.16	
310	*302.2*	10 sec.	1.059	*1.612*	*2.027*	*2.008*	*1.412*	*2.03*	*0.074*	*0.902*	
0		1-5mins	0.285	*0.587*	*0.472*	*0.474*	*0.332*	*0.443*	*0.074*	*0.166*	
320	**317**	10 sec.	1.143	*1.686*	*2.141*	*2.111*	*1.488*	*2.146*	*0.453*	*0.883*	

		Mode of Failure
Max Load (psf)	**302.2**	Steel studs started to bend. Test Discontinued

Test#:	QJ8-2	
Max Load	302.2	psf
Allowable Design Load (ASD) = Max Load / 2	151.1	psf
Deflection Service Load (ASD) = Allowable * 0.7	105.8	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.200	in
Wall Deflection @ Deflection Service Load (ASD)	0.2591	in
Panel Deflection @ Deflection Service Load (ASD)	0.0847	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 4 - (ga 3 + ga 5)/2
0.0	0.000	0.000
32.2	0.072	0.025
51.9	0.122	0.039
65.8	0.162	0.051
74.0	0.186	0.058
91.5	0.234	0.074
105.9	0.271	0.083
138.5	0.355	0.115
158.1	0.408	0.127
181.4	0.470	0.146
222.5	0.563	0.182
239.7	0.589	0.202
272.7	0.642	0.235
285.8	0.663	0.267
302.2	0.695	0.289
317.0	0.732	0.297

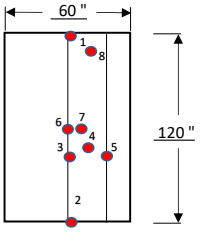
Test: **Transverse Load - Negative Wind Load** **Test#: QJ8-3** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 3/7/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 12" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer & Silicon

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	1:32	Temp:	19
Finish:	2:10	%RH	19

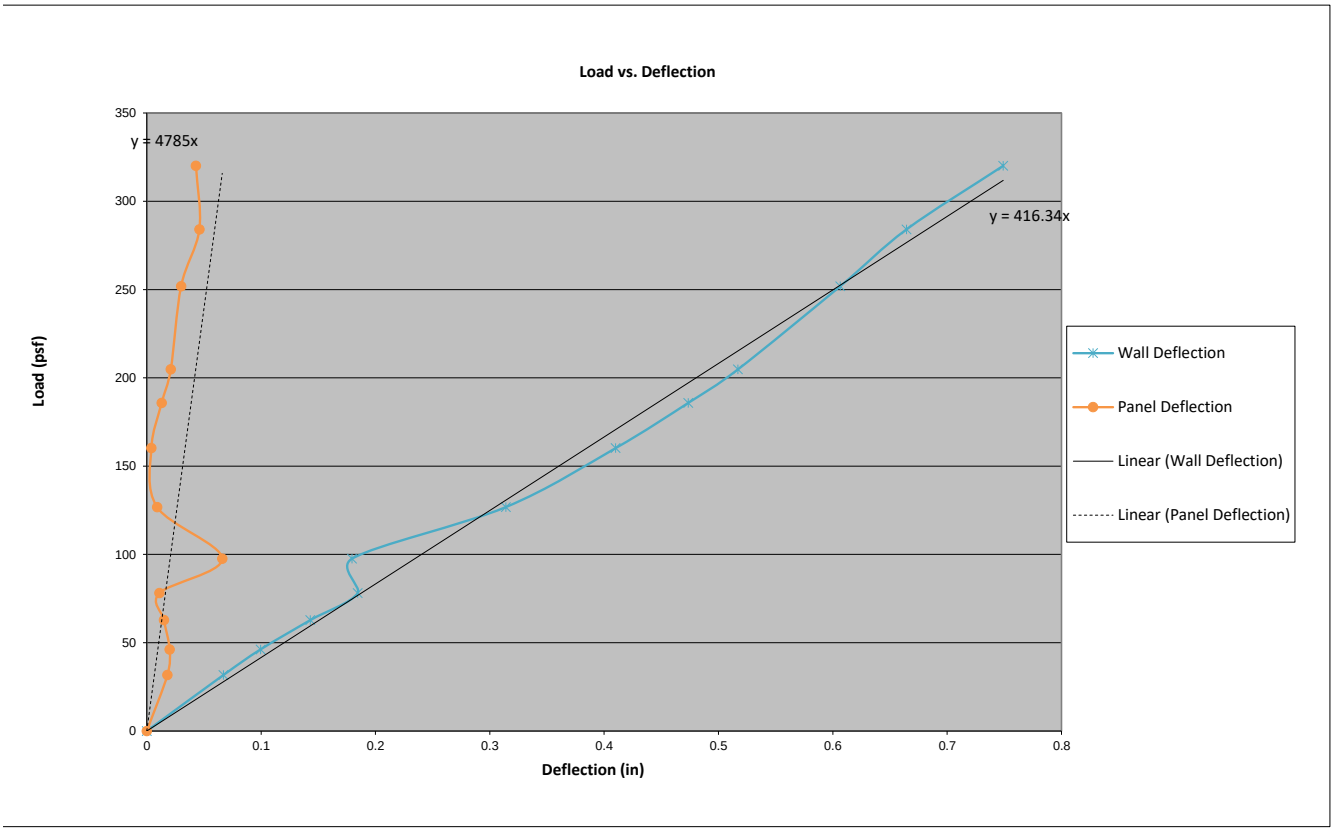
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	12

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*31.7*	10 sec.	*0.081*	*0.067*	*0.142*	*0.154*	*0.095*	*0.141*	*0.159*	*0.071*	
0		1-5mins	*0.007*	*0.012*	*0*	*0.01*	*0.007*	*0.009*	*0.009*	*0.005*	
45	*46.2*	10 sec.	*0.109*	*0.092*	*0.184*	*0.212*	*0.135*	*0.2*	*0.22*	*0.091*	
0		1-5mins	*0.001*	*0.003*	*0.002*	*0.004*	*0.001*	*0.001*	*0.003*	*0.002*	
60	*62.8*	10 sec.	*0.146*	*0.152*	*0.272*	*0.303*	*0.198*	*0.292*	*0.307*	*0.123*	
0		1-5mins	*0.006*	*0.022*	*0.015*	*0.018*	*0.013*	*0.014*	*0.017*	*0.007*	
75	*78.1*	10 sec.	*0.181*	*0.224*	*0.364*	*0.398*	*0.266*	*0.387*	*0.398*	*0.148*	
0		1-5mins	*0.011*	*0.045*	*0.033*	*0.035*	*0.029*	*0.03*	*0.034*	*0.01*	Guage 3 & 5 Stuck
90	*97.6*	10 sec.	*0.226*	*0.319*	*0.032*	*0.521*	*0.029*	*0.452*	*0.518*	*0.185*	
0		1-5mins	*0.022*	*0.072*	*0.032*	*0.056*	*0.029*	*0.05*	*0.054*	*0.015*	
120	*126.8*	10 sec.	*0.291*	*0.425*	*0.032*	*0.679*	*0.029*	*0.672*	*0.681*	*0.24*	
0		1-5mins	*0.032*	*0.101*	*0.032*	*0.081*	*0.029*	*0.071*	*0.075*	*0.023*	
160	*160.2*	10 sec.	*0.36*	*0.52*	*0.032*	*0.852*	*0.029*	*0.85*	*0.854*	*0.302*	
0		1-5mins	*0.043*	*0.121*	*0.032*	*0.102*	*0.029*	*0.087*	*0.093*	*0.03*	
180	*185.8*	10 sec.	*0.414*	*0.597*	*0.032*	*0.983*	*0.029*	*0.979*	*0.992*	*0.351*	
0		1-5mins	*0.056*	*0.139*	*0.032*	*0.122*	*0.029*	*0.102*	*0.112*	*0.036*	
200	*204.8*	10 sec.	*0.457*	*0.665*	*0.032*	*1.082*	*0.029*	*1.078*	*1.099*	*0.39*	
0		1-5mins	*0.067*	*0.158*	*0.032*	*0.14*	*0.029*	*0.116*	*0.128*	*0.04*	
240	*251.9*	10 sec.	*0.608*	*0.891*	*0.032*	*1.362*	*0.029*	*1.356*	*1.386*	*0.498*	
0		1-5mins	*0.11*	*0.227*	*0.032*	*0.194*	*0.029*	*0.166*	*0.177*	*0.051*	
280	*284.1*	10 sec.	*0.757*	*1.062*	*0.032*	*1.579*	*0.029*	*1.574*	*1.62*	*0.592*	
0		1-5mins	*0.163*	*0.29*	*0.032*	*0.235*	*0.029*	*0.221*	*0.221*	*0.061*	
320	*320.1*	10 sec.	*0.94*	*1.28*	*0.032*	*1.861*	*0.029*	*1.859*	*1.902*	*0.705*	
0		1-5mins	*0.237*	*0.426*	*0.032*	*0.344*	*0.029*	*0.333*	*0.329*	*0.086*	

		Mode of Failure
Max Load (psf)	**320.1**	Steel studs started to bend. Test Discontinued

Test#:	QJ8-3	
Max Load	320.1	psf
Allowable Design Load (ASD) = Max Load / 2	160.1	psf
Deflection Service Load (ASD) = Allowable * 0.7	112.0	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	0.200	in
Wall Deflection @ Deflection Service Load (ASD)	0.2691	in
Panel Deflection @ Deflection Service Load (ASD)	0.0146	in



Target Load (psf)	Wall Deflection (= ga 6 - (ga 1 + ga 2)/2	Panel Deflection (= ga 7 - ga 6)
0.0	0.000	0.000
31.7	0.067	0.018
46.2	0.100	0.020
62.8	0.143	0.015
78.1	0.185	0.011
97.6	0.180	0.066
126.8	0.314	0.009
160.2	0.410	0.004
185.8	0.474	0.013
204.8	0.517	0.021
251.9	0.607	0.030
284.1	0.665	0.046
320.1	0.749	0.043

Test: **Transverse Load - Negative Wind Load** **Test#: QJ9-1** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 1/23/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

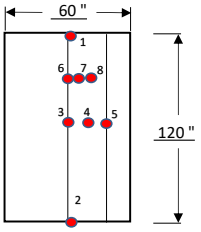
Installation:
Configuration: 60" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer & Silicon

Equipment:
Pressure Chamber
Motor: Core Sensors Model: CS10 - 2400
Press. Controller: S/N - G205141344
Pressure Sensors:
+/- 2 kPa: p/n 1136
+/- 7 kPa: p/n 1137
50 kPa: p/n 1138
Phidget: S/N - 5015249240311

Deflection Gauges(Phidget potentiometers)

Sensor 1:	S/N - F29B
Sensor 2:	S/N - 9BFA
Sensor 3:	S/N - 87CE
Sensor 4:	S/N - F16B
Sensor 5:	S/N - F14E
Sensor 6:	S/N - F28I
Sensor 7:	S/N - F174
Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	11:42	Temp:	21.5
Finish:	12:30	%RH	18

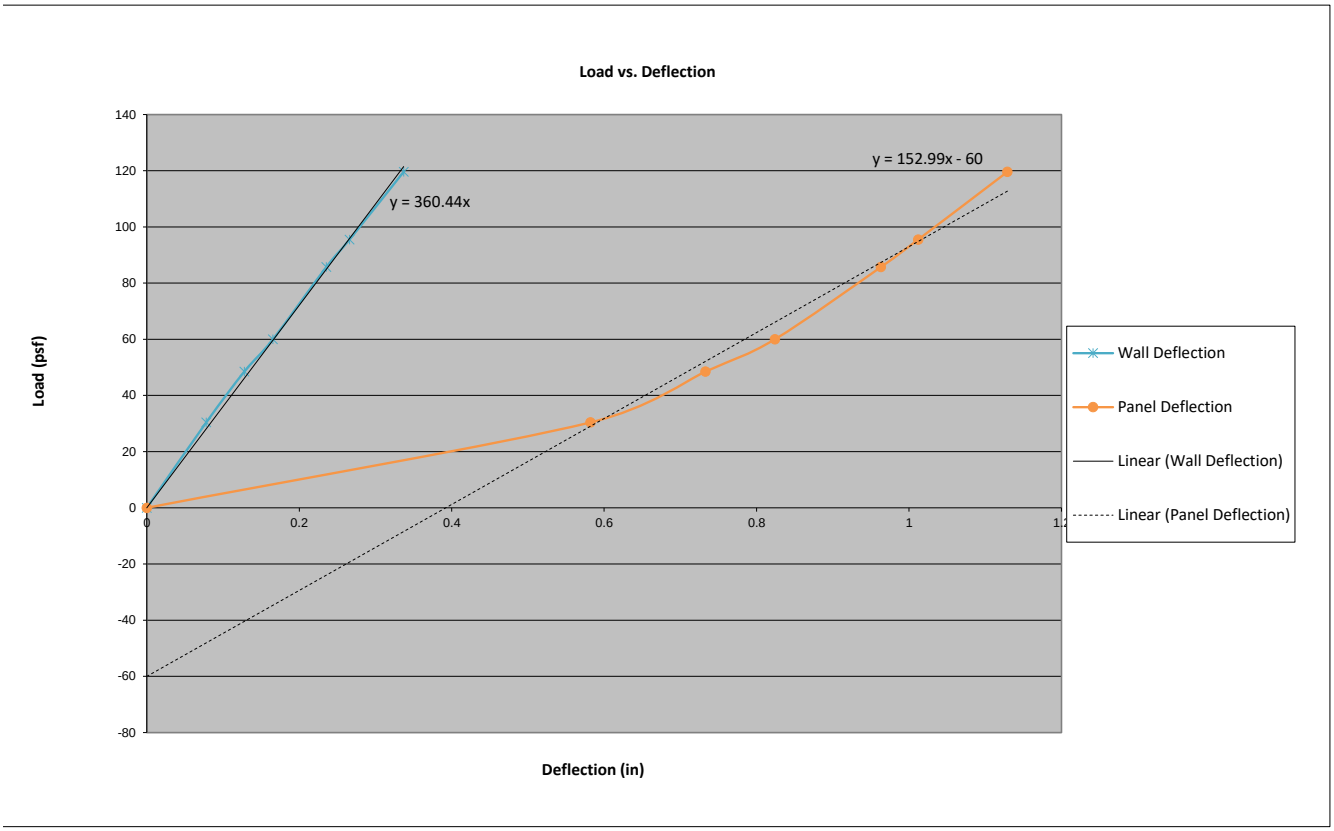
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	60

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*15.5*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*30.4*	10 sec.	*0.058*	*0.044*	*0.129*	*0.185*	*0.083*	*0.101*	*0.683*	*0.645*	
0		1-5mins	*0.005*	*0.007*	*0.008*	*0.011*	*0.007*	*0.007*	*0.02*	*0.019*	
45	*48.5*	10 sec.	*0.101*	*0.081*	*0.219*	*0.299*	*0.145*	*0.174*	*0.907*	*0.865*	
0		1-5mins	*0.015*	*0.015*	*0.019*	*0.026*	*0.018*	*0.019*	*0.05*	*0.049*	
60	*60*	10 sec.	*0.131*	*0.108*	*0.285*	*0.385*	*0.192*	*0.223*	*1.047*	*1.003*	
0		1-5mins	*0.025*	*0.021*	*0.028*	*0.039*	*0.027*	*0.029*	*0.074*	*0.075*	
75	*85.7*	10 sec.	*0.184*	*0.155*	*0.405*	*0.545*	*0.28*	*0.318*	*1.281*	*1.23*	
0		1-5mins	*0.044*	*0.03*	*0.045*	*0.065*	*0.045*	*0.047*	*0.116*	*0.12*	
95	*95.5*	10 sec.	*0.201*	*0.171*	*0.452*	*0.608*	*0.309*	*0.353*	*1.365*	*1.312*	
0		1-5mins	*0.05*	*0.034*	*0.051*	*0.079*	*0.052*	*0.053*	*0.136*	*0.138*	
110	*119.6*	10 sec.	*0.235*	*0.209*	*0.559*	*0.772*	*0.37*	*0.42*	*1.549*	*1.495*	
0		1-5mins	*0.06*	*0.042*	*0.064*	*0.119*	*0.059*	*0.046*	*0.18*	*0.179*	
130	*132.7*	10 sec.	*0.252*	*0.231*	*0.615*	*0.867*	*0.406*	*0.462*	*1.649*	*1.588*	
0		1-5mins	*0.066*	*0.047*	*0.071*	*0.147*	*0.065*	*0.052*	*0.211*	*0.208*	
145	*146.6*	10 sec.	*0.269*	*0.248*	*0.672*	*0.978*	*0.447*	*0.504*	*1.75*	*1.682*	
0		1-5mins	*0.07*	*0.05*	*0.075*	*0.184*	*0.071*	*0.057*	*0.246*	*0.24*	
155	*157.8*	10 sec.	*0.285*	*0.263*	*0.731*	*1.074*	*0.483*	*0.544*	*1.838*	*1.763*	
0		1-5mins	*0.072*	*0.056*	*0.08*	*0.2*	*0.076*	*0.059*	*0.246*	*0.269*	

		Mode of Failure
Max Load (psf)	**157.8**	Double Sided tape failed when going up to 165 PSF on the panel side.

Test#:	QJ9-1	
Max Load	157.8	psf
Allowable Design Load (ASD) = Max Load / 2	78.9	psf
Deflection Service Load (ASD) = Allowable * 0.7	55.2	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	1.000	in
Wall Deflection @ Deflection Service Load (ASD)	0.1517	in
Panel Deflection @ Deflection Service Load (ASD)	0.7324	in



Target Load (psf)	Wall Deflection = ga 3 - (ga 1 + ga 2)/2) (in)	Panel Deflection = ga 7 - ga 6)
0.0	0.000	0.000
30.4	0.078	0.582
48.5	0.128	0.733
60.0	0.166	0.824
85.7	0.236	0.963
95.5	0.266	1.012
119.6	0.337	1.129
132.7	0.374	1.187
146.6	0.414	1.246
157.8	0.457	1.294

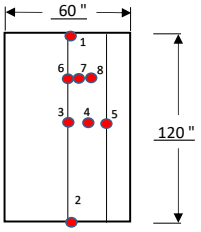
Test: **Transverse Load - Negative Wind Load** **Test#: QJ9-2** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 1/28/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

Installation:
Configuration: 60" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer & Silicon

Equipment:

Pressure Chamber	Deflection Gauges(Phidget potentiometers)	
Motor: Core Sensors Model: CS10 - 2400	Sensor 1:	S/N - F29B
Press. Controller: S/N - G205141344	Sensor 2:	S/N - 9BFA
Pressure Sensors:	Sensor 3:	S/N - 87CE
+/- 2 kPa: p/n 1136	Sensor 4:	S/N - F16B
+/- 7 kPa: p/n 1137	Sensor 5:	S/N - F14E
50 kPa: p/n 1138	Sensor 6:	S/N - F28I
Phidget: S/N - 5015249240311	Sensor 7:	S/N - F174
	Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	9:30	Temp:	22.4
Finish:	10:01	%RH	18

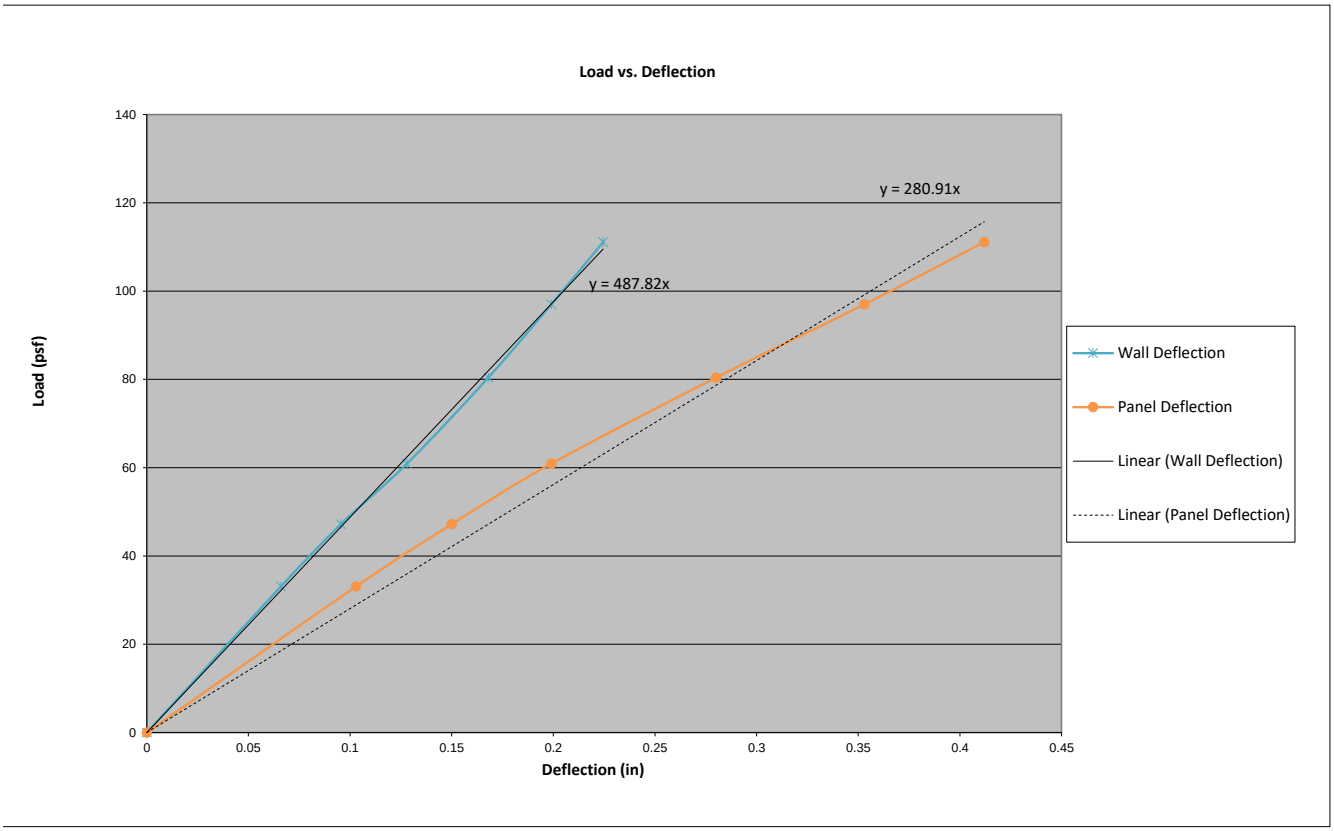
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	60

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*18*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*33.1*	10 sec.	*0.056*	*0.054*	*0.121*	*0.189*	*0.086*	*0.706*	*0.762*	*0.098*	
0		1-5mins	*0.005*	*0.007*	*0.007*	*0.008*	*0.005*	*0.018*	*0.016*	*0.006*	
45	*47.2*	10 sec.	*0.081*	*0.084*	*0.178*	*0.277*	*0.127*	*0.87*	*0.932*	*0.144*	
0		1-5mins	*0.01*	*0.013*	*0.014*	*0.019*	*0.011*	*0.036*	*0.032*	*0.013*	
60	*60.9*	10 sec.	*0.104*	*0.114*	*0.237*	*0.367*	*0.168*	*1.006*	*1.072*	*0.188*	
0		1-5mins	*0.014*	*0.018*	*0.022*	*0.032*	*0.015*	*0.051*	*0.047*	*0.019*	
80	*80.4*	10 sec.	*0.131*	*0.157*	*0.312*	*0.5*	*0.22*	*1.18*	*1.259*	*0.243*	
0		1-5mins	*0.02*	*0.027*	*0.036*	*0.06*	*0.023*	*0.077*	*0.074*	*0.025*	
95	*97*	10 sec.	*0.152*	*0.196*	*0.373*	*0.618*	*0.265*	*1.324*	*1.401*	*0.289*	
0		1-5mins	*0.024*	*0.036*	*0.045*	*0.092*	*0.028*	*0.107*	*0.106*	*0.03*	
110	*111.1*	10 sec.	*0.169*	*0.226*	*0.422*	*0.712*	*0.3*	*1.429*	*1.508*	*0.324*	
0		1-5mins	*0.028*	*0.043*	*0.052*	*0.121*	*0.033*	*0.135*	*0.135*	*0.036*	
125	*128.7*	10 sec.	*0.187*	*0.256*	*0.48*	*0.855*	*0.343*	*1.56*	*1.645*	*0.366*	
0		1-5mins	*0.031*	*0.05*	*0.059*	*0.177*	*0.038*	*0.184*	*0.186*	*0.041*	
140	*143.1*	10 sec.	*0.205*	*0.286*	*0.553*	*1.086*	*0.36*	*1.68*	*1.77*	*0.414*	
0		1-5mins	*0.035*	*0.059*	*0.075*	*0.202*	*0.045*	*0.205*	*0.2*	*0.045*	

		Mode of Failure
Max Load (psf)	**143.1**	Screws of Panel stiffeners were pulled out of steel stud.

Test#:	QJ9-2	
Max Load	143.1	psf
Allowable Design Load (ASD) = Max Load / 2	71.6	psf
Deflection Service Load (ASD) = Allowable * 0.7	50.1	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	1.000	in
Wall Deflection @ Deflection Service Load (ASD)	0.1034	in
Panel Deflection @ Deflection Service Load (ASD)	0.1633	in



Target Load (psf)	Wall Deflection = ga 3 - (ga 1 + ga 2)/2) (in)	Panel Deflection = ga 7 - ga 6)
0.0	0.000	0.000
33.1	0.066	0.103
47.2	0.096	0.150
60.9	0.128	0.199
80.4	0.168	0.280
97.0	0.199	0.353
111.1	0.225	0.412
128.7	0.259	0.512
143.1	0.308	0.726

Test: **Transverse Load - Negative Wind Load** **Test#: QJ9-3** Project#: 0093
Client: EasyTrim Technician(s): Ali
Date: 1/24/2025 Reviewer: Chris
Product: **QuickPanel** Location: 101-4441 76 Ave. SE Calgary AB T2C2G8
Test Method(s): ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

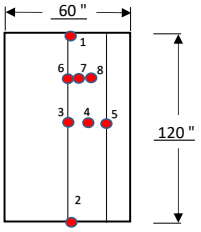
Installation:
Configuration: 60" OC Stiffeners
Framing: 2x6 steel stud,18 guage 33 KSI
Fastener: #10-1x1-1/2 HWH
Sheathing: 1/2" Drywall
Air Seal: 3M Double Sided Tape w/ Primer & Silicon

Equipment:
Pressure Chamber
Motor: Core Sensors Model: CS10 - 2400
Press. Controller: S/N - G205141344
Pressure Sensors:
+/- 2 kPa: p/n 1136
+/- 7 kPa: p/n 1137
50 kPa: p/n 1138
Phidget: S/N - 5015249240311

Deflection Gauges(Phidget potentiometers)

Sensor 1:	S/N - F29B
Sensor 2:	S/N - 9BFA
Sensor 3:	S/N - 87CE
Sensor 4:	S/N - F16B
Sensor 5:	S/N - F14E
Sensor 6:	S/N - F28I
Sensor 7:	S/N - F174
Sensor 8:	S/N - F282

Gauge Locations
(not to scale)
Gauge 1: Stud
Gauge 2: Stud
Gauge 3: Stud
Gauge 4: Panel/Stiff
Gauge 5: Stud
Gauge 6: Stud
Gauge 7: Panel
Gauge 8: Panel



	Description	Taken [✓]
Photo 1:	Before test, back of wall	✓
Photo 2:	Before test, front of wall	✓
Photo 3:	After test, back of wall	✓
Photo 4:	After test, front of wall	✓
Photo 5:		

Time/Temp/RH:			
Start:	1:49	Temp:	21.5
Finish:	2:23	%RH	18

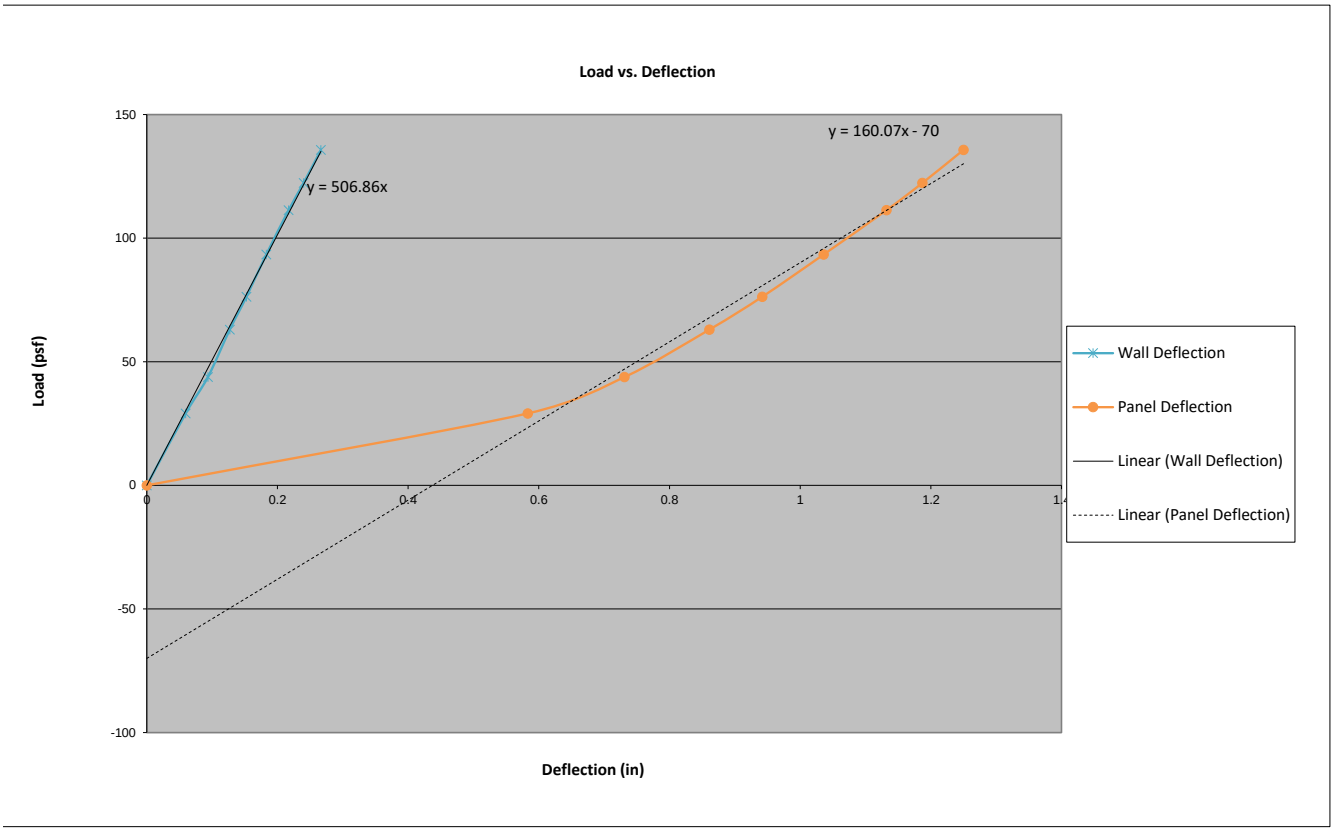
Test Assembly

Width (in)	Length (in)	Panel Anchor Spacing (in)
60.0	120.0	60

Target Load (psf)	Actual Load (psf)	Time	Gauge 1 (in.)	Gauge 2 (in.)	Gauge 3 (in.)	Gauge 4 (in.)	Gauge 5 (in.)	Gauge 6 (in.)	Gauge 7 (in.)	Gauge 8 (in.)	Observations
0	**0.0**	immed.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
15	*16.2*	10 sec.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
0		1-5mins	Zero Deflection Gauges								
30	*29.1*	10 sec.	*0.047*	*0.038*	*0.102*	*0.164*	*0.07*	*0.088*	*0.671*	*0.596*	
0		1-5mins	*0.002*	*0.005*	*0.004*	*0.007*	*0.004*	*0.004*	*0.009*	*0.01*	
45	*43.8*	10 sec.	*0.077*	*0.072*	*0.168*	*0.284*	*0.121*	*0.147*	*0.878*	*0.79*	
0		1-5mins	*0.009*	*0.016*	*0.017*	*0.02*	*0.014*	*0.014*	*0.035*	*0.034*	
60	*63*	10 sec.	*0.098*	*0.102*	*0.227*	*0.4*	*0.169*	*0.196*	*1.057*	*0.96*	
0		1-5mins	*0.014*	*0.027*	*0.027*	*0.037*	*0.023*	*0.021*	*0.05*	*0.052*	
75	*76.3*	10 sec.	*0.114*	*0.131*	*0.275*	*0.494*	*0.204*	*0.233*	*1.175*	*1.073*	
0		1-5mins	*0.017*	*0.037*	*0.035*	*0.054*	*0.029*	*0.027*	*0.066*	*0.067*	
90	*93.4*	10 sec.	*0.135*	*0.169*	*0.335*	*0.619*	*0.253*	*0.282*	*1.318*	*1.211*	
0		1-5mins	*0.022*	*0.051*	*0.046*	*0.08*	*0.038*	*0.035*	*0.091*	*0.09*	
105	*111.3*	10 sec.	*0.155*	*0.223*	*0.406*	*0.774*	*0.311*	*0.336*	*1.468*	*1.356*	
0		1-5mins	*0.026*	*0.071*	*0.06*	*0.131*	*0.053*	*0.043*	*0.13*	*0.126*	
120	*122.3*	10 sec.	*0.167*	*0.261*	*0.454*	*0.868*	*0.351*	*0.367*	*1.554*	*1.438*	
0		1-5mins	*0.028*	*0.087*	*0.071*	*0.156*	*0.065*	*0.05*	*0.156*	*0.149*	
135	*135.7*	10 sec.	*0.18*	*0.297*	*0.505*	*0.983*	*0.391*	*0.402*	*1.652*	*1.529*	
0		1-5mins	*0.03*	*0.098*	*0.079*	*0.202*	*0.077*	*0.054*	*0.196*	*0.184*	
150	*148.9*	10 sec.	*0.194*	*0.337*	*0.574*	*1.123*	*0.441*	*0.429*	*1.766*	*1.631*	

		Mode of Failure
Max Load (psf)	**148.9**	The screws were let go from the backplatethe the panel stiffener

Test#:	QJ9-3	
Max Load	148.9	psf
Allowable Design Load (ASD) = Max Load / 2	74.5	psf
Deflection Service Load (ASD) = Allowable * 0.7	52.1	psf
Wall Deflection limit = L / 180 of wall height	0.667	in
Panel Deflection limit = L / 60 of panel anchor span	1.000	in
Wall Deflection @ Deflection Service Load (ASD)	0.1043	in
Panel Deflection @ Deflection Service Load (ASD)	0.7940	in



Target Load (psf)	Wall Deflection = ga 3 - (ga 1 + ga 2)/2) (in)	Panel Deflection = ga 7 - ga 6)
0.0	0.000	0.000
29.1	0.060	0.583
43.8	0.094	0.731
63.0	0.127	0.861
76.3	0.153	0.942
93.4	0.183	1.036
111.3	0.217	1.132
122.3	0.240	1.187
135.7	0.267	1.250
148.9	0.309	1.337