



BLACKWATER TECHNICAL SERVICES INC.

7341 Westport Pl Suite 1A, West Palm Beach Fl. 33413

Phone: 561-508-2830

MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



CLIENT:

ELICC Group

2181 Meyers Ave., Suite: C

Escondido, CA 92029

Phone: (760) 233-0066 Fax: (760) 233-0065

PRODUCT DESCRIPTION OF UNIT:

"WW-201 SERIES (SMI) – Shore Club"

TEST DATES:

Start: 12/24/2025

End: 2/26/2026

WITNESS TO TESTING:

Mike Caldwell, PE BT President

Warner Ward, Lead Laboratory Technician

SUMMARY OF TESTING

AIR INFILTRATION: Specimens 5, 6, 14, and 15 passed testing criteria for air infiltration per ASTM E283-19.

WATER INFILTRATION: Specimens 5, 6, 14, and 15 passed testing criteria for water infiltration per ASTM E331-00(23).

DISASSEMBLY TEST: Specimens 5, 6, 14, and 15 passed testing criteria for disassembly test per ASTM F588-17(23).

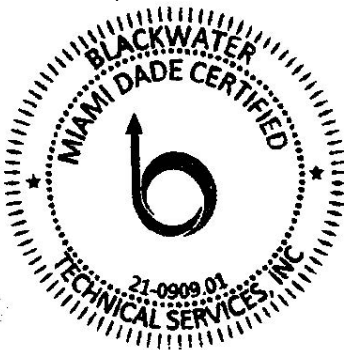
STATIC WIND LOADS (TAS 202-94): Specimens 5, 6, 14, and 15 were subjected to static wind loads in accordance with **TAS 202-94**. Specimen 5 completed wind loads to verify a **Design Load of +/-125.0 psf**. Specimen 6 completed wind loads to verify a **Design Load of +/-150.0 psf**. Specimen 14 completed wind loads to verify a **Design Load of +/-90.00psf**. Specimen 15 completed wind loads to verify a **Design Load of +/-115.00psf**.

MISSILE IMPACTS (TAS 201-94/ASTM E1996-23): Specimens 5, 6, 14, and 15 were subjected to small missile impacts (Level A) per TAS 201-94. Specimens 5, 6, 14, and 15 successfully completed the small missile impact tests.

CYCLIC LOADS (TAS 203-94/ ASTM E1886-19): Specimens 5, 6, 14, and 15 were subjected to cyclic wind loads in accordance with **TAS 203-94**. Specimen 5 completed cyclic wind loads to verify a **Design Load of +/-125.0 psf**. Specimen 6 completed cyclic wind loads to verify a **Design Load of +/-150.0 psf**. Specimen 14 completed cyclic wind loads to verify a **Design Load of +/-90.00psf**. Specimen 15 completed cyclic wind loads to verify a **Design Load of +/-115.00psf**.

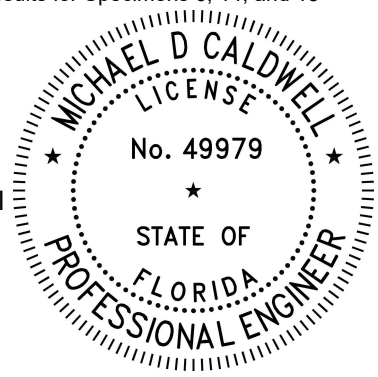
CONCLUSION: Following testing Specimens 5, 6, 14, and 15 were disassembled. No failures were observed in the fastenings, panes, or anchorages. **The "WW-201 SERIES (LMI-D & SMI) – Shore Club" products were tested in accordance with and meet the requirements to comply with Florida Building Code 2023.**

Revision 1: Revision 1 is issued to add Specimen #5 to the test report. Test ID numbers for results for Specimens 6, 14, and 15 were updated to reflect correct report number ("A" deleted from test ID)



Michael D
Caldwell

Digitally signed by
Michael D Caldwell
Date: 2026.03.02
10:14:11 -05'00'



Mike Caldwell, President

Statement of Conformance:

This is a general statement and does not supersede the specific product descriptions in this report. The specimens are in conformance with attached Drawings. These drawings have been marked to indicate the appropriate portions descriptive of this test series. Blackwater Technical Services Inc. does not take responsibility of product performance and whose only purpose is to test and gather pertinent data under test report format for the client.

This item has been digitally signed and sealed by Michael Caldwell, PE, on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



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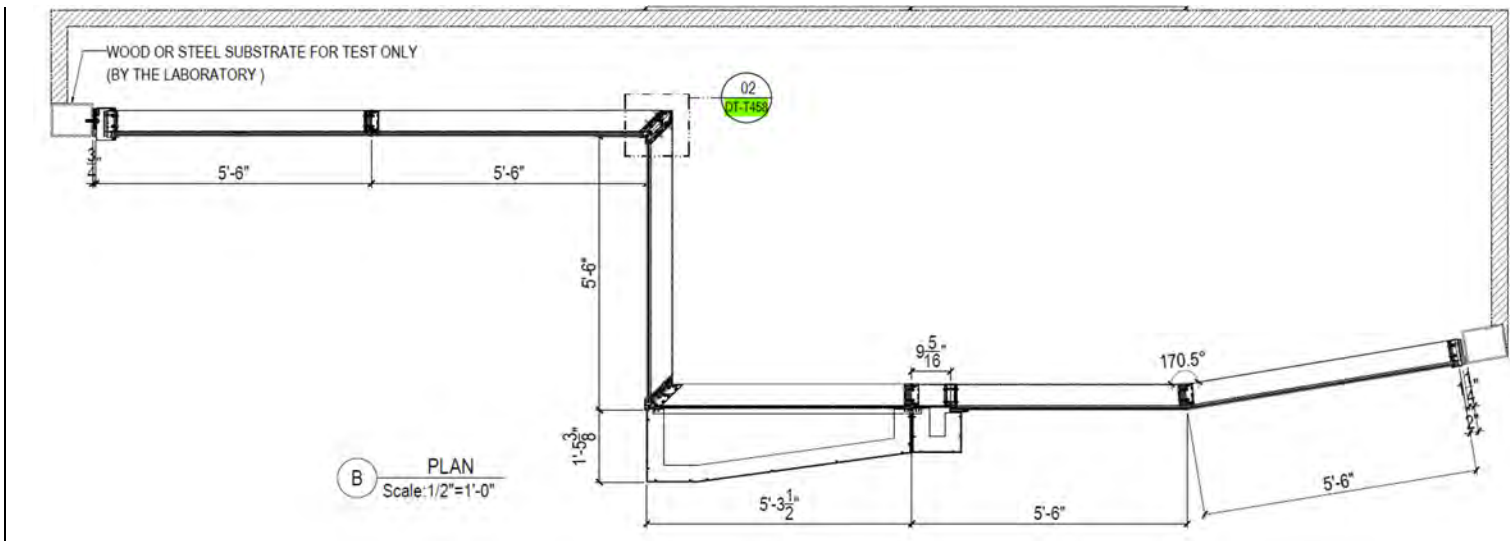
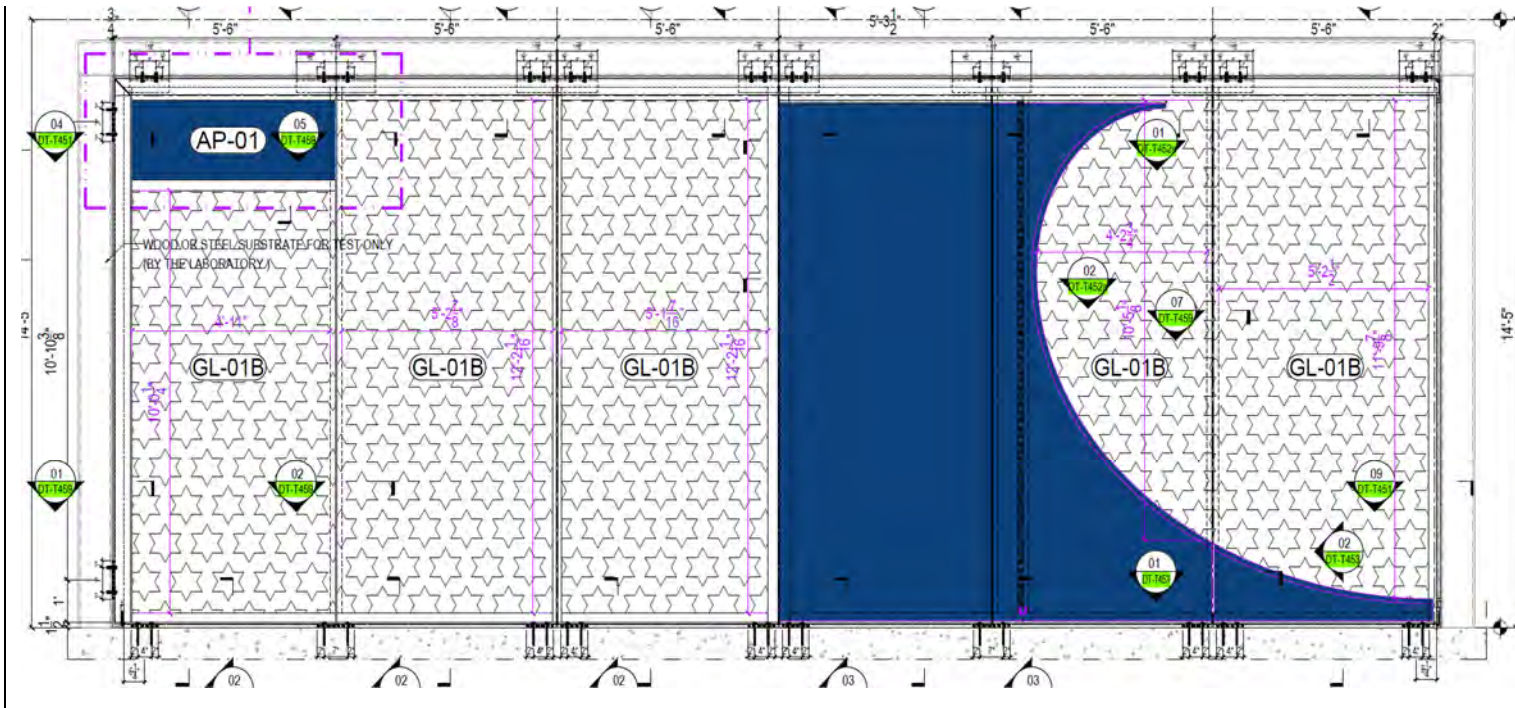
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Specimen Plans and Elevations:



Specimen 5

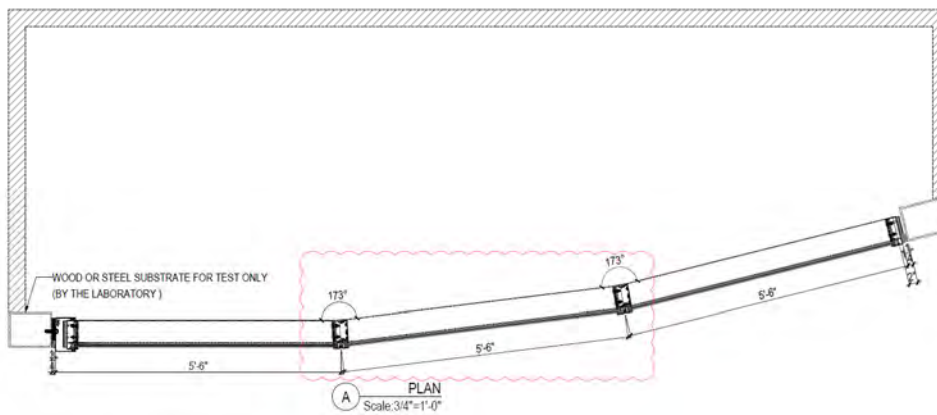
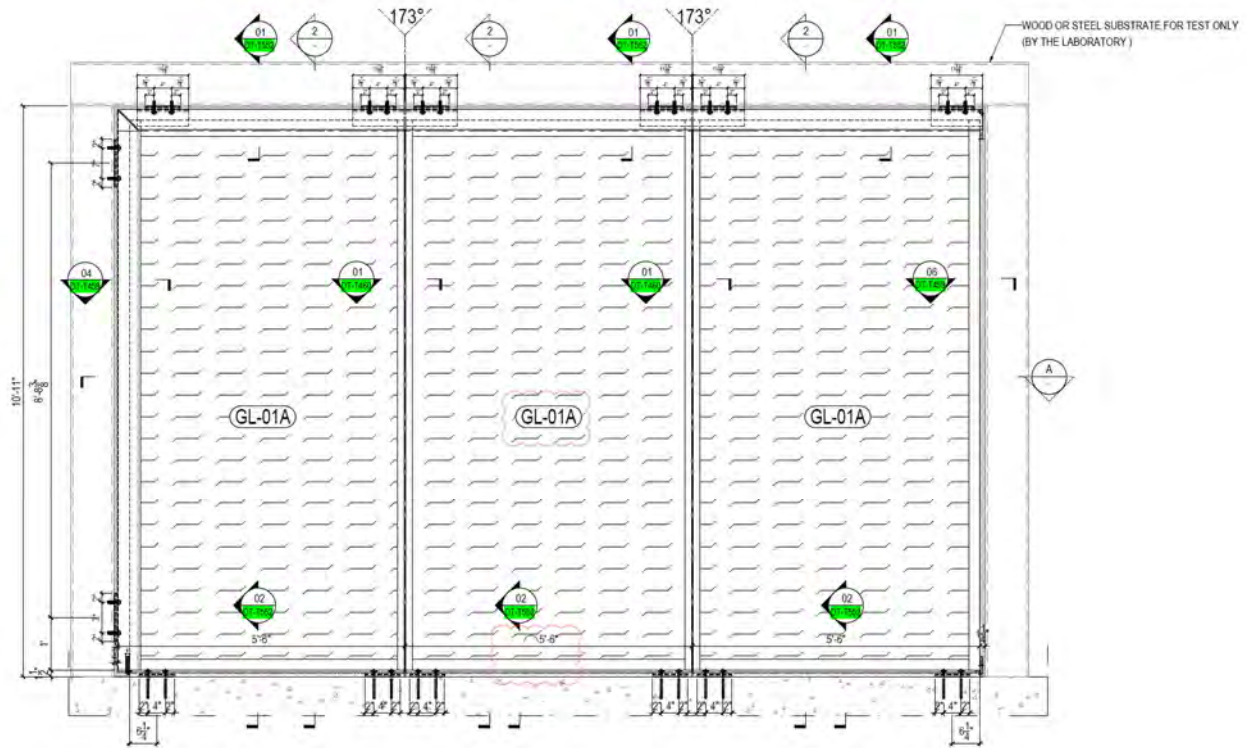


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Specimen 6

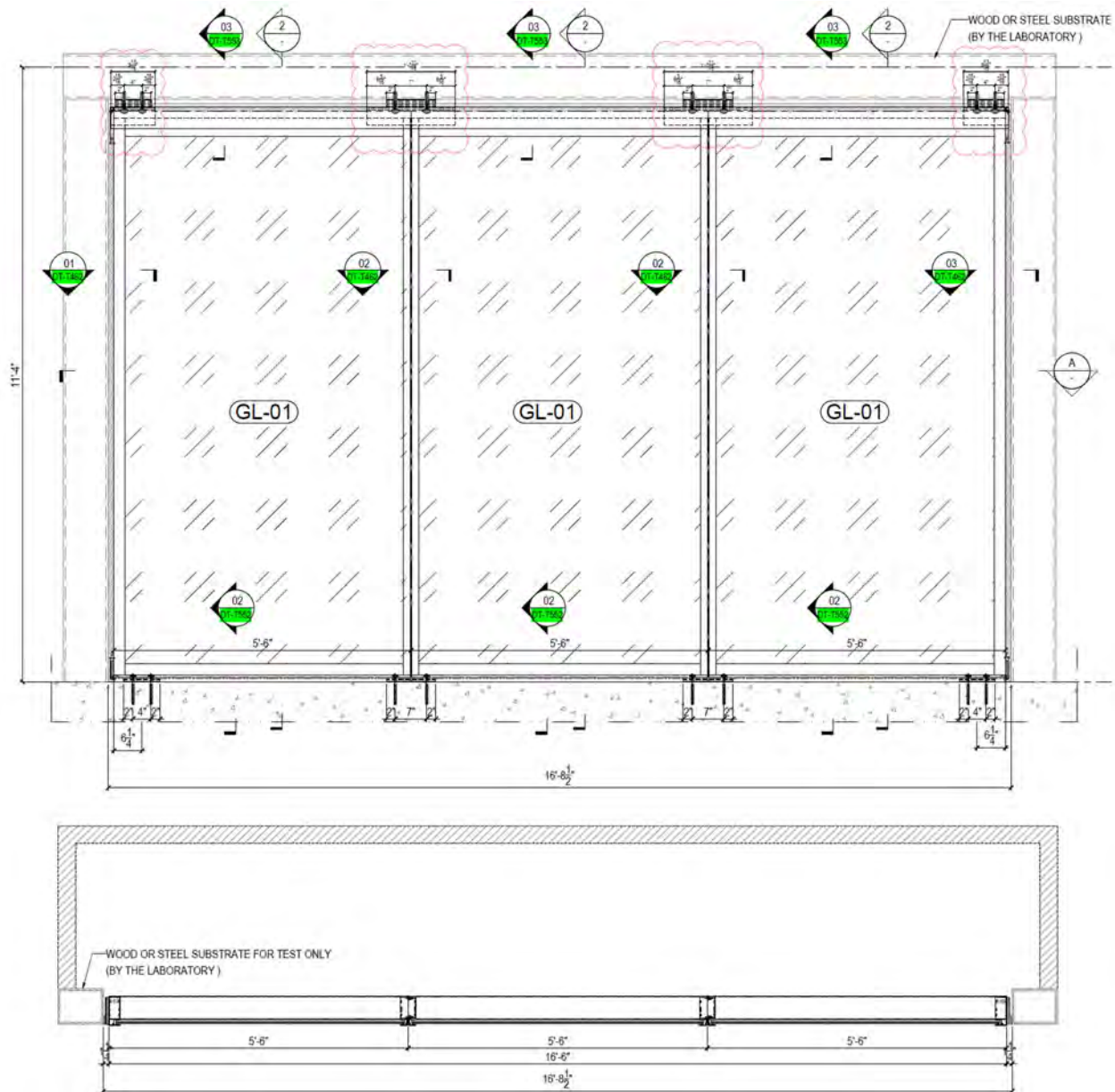


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Specimen 14

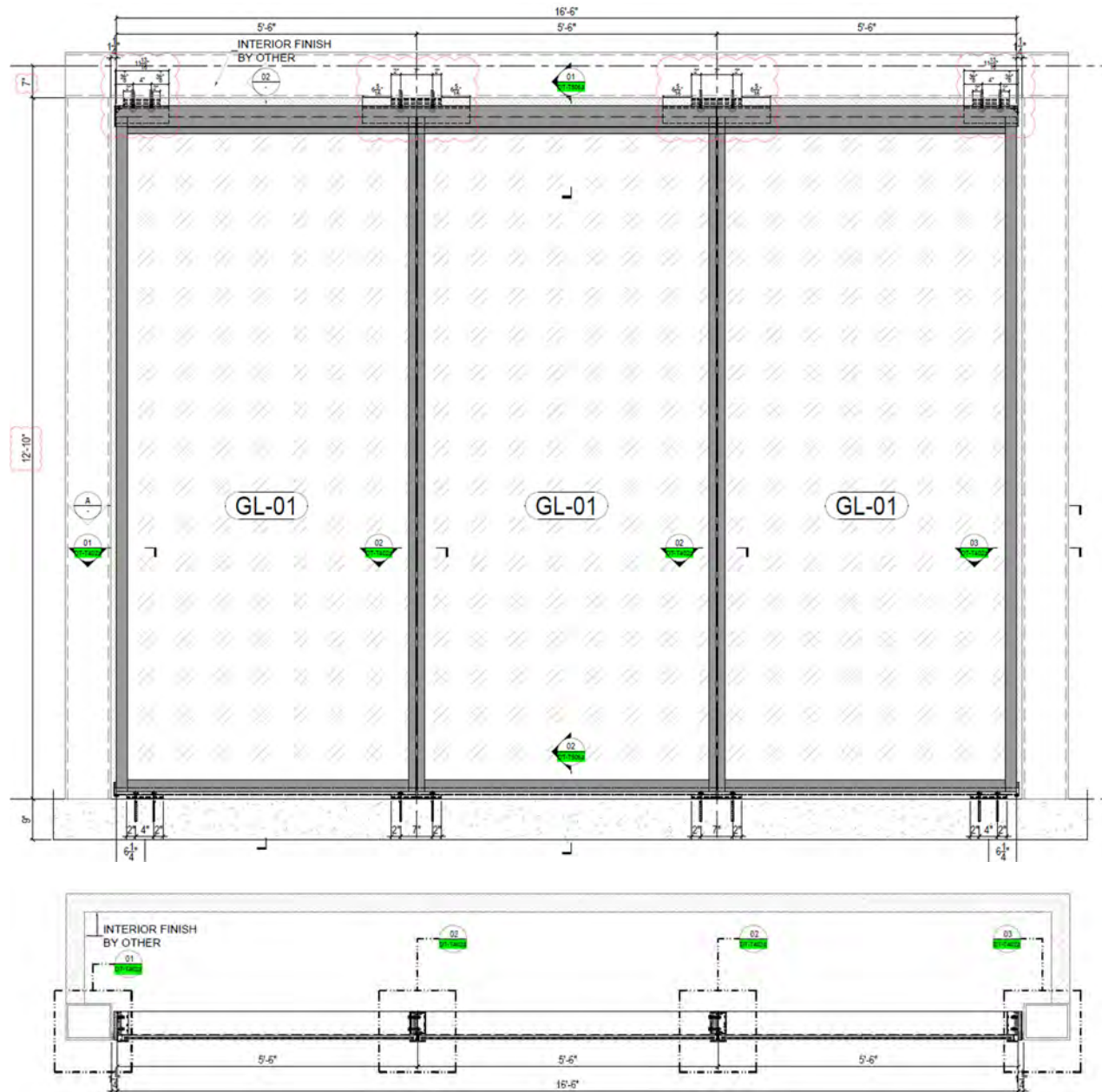


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Specimen 15



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Overall Size:

Specimen 5:

- 327-1/2" W x 155-1/2" H x 65" D (Approximate overall)

Specimen 6:

- 198" W (face dimensions across segmented arc) x 128- 3/4" H

Specimen 14:

- 198" W by 125-3/4" H

Specimen 15:

- 198" W by 150-3/4" H

Rough Opening:

Specimen 5:

- 329-1/2" W x 157" H, depth to fit

Specimen 6:

- 16'-8" W by 10'-11" H (3/4" shim space one side, 1-1/4" shim space one side)

Specimen 14:

- 200-1/2" W by 129" H

Specimen 15:

- 200-1/2" W by 154" H

Daylight Opening:

Specimen 5:

- (1) 57" W x 120-1/4" H
- (1) 62-7/8" W x 146-1/16" H
- (1) 61-7/16" W x 146-1/16" H
- (2) Metal Panel, no DLO
- (1) 50-3/4" W x 125-1/8" W (glass area)
- (1) 62-1/2" W x 141-7/8" W (glass area)

Specimen 6:

- (1) 57" W x 120-1/16" H
- (1) 62-1/2" W x 120-1/16" H
- (1) 61-3/4" W x 120-1/16" H

Specimen 14:

- (1) 61-3/4" W x 116-13/16" H
- (1) 62-1/2" W x 116-13/16" H
- (1) 61-3/4" W x 116-13/16" H

Specimen 15:

- (2) 61-3/4" W x 142" H
- (1) 62-1/2" W x 142" H

Glass Composition:

Specimen 5

GL-01B- Laminated Glass

- 8mm Fully Tempered Clear Glass
- 1.52mm PVB Interlayer by Kuraray
- 8mm Fully Tempered Clear Glass

Specimen 6

GL-01A- Laminated Glass

- 8mm Fully Tempered Glass
- 1.52mm SGP by Kuraray
- 8mm Fully Tempered Glass

Specimens 14, 15

GL-01- Laminated Glass

- 8mm Heat Strengthened Glass
- 1.52mm PVB Interlayer by Kuraray
- 8mm Heat Strengthened Glass



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Glazing Sealant:

All Specimens:

- Dowsil 983 for structural glazing
- Dowsil 791 for weatherproofing

Perimeter Sealant:

All Specimens:

- Dowsil 791 for perimeter

Glass Bite:

All Specimens:

- 1" around the perimeter of the glass (3/4" structural glazing plus 1/4" gasket)

Substrate:

Specimen 5

- Jambs & Headers
 - o 8" x 8"x1/4" HSS
- Sill
 - o Concrete

Specimen 6, 14, 15

- Jambs & Headers
 - o 8" x 8"x1/4" HSS
- Sill
 - o 2"x8"x 1/4" HSS

Anchor Details:

Specimen 5

- Jambs: Right Jamb Free, Left jamb anchored with two BOM Item F3601 (5/8"-11 x 2-1/2" Grade 5 Tapflex screw) 7" on center, through 11" long shims centered at 12" from top and bottom (4 anchors on left jamb total, see Detail 4 on Drawing DT-T451 and Detail 4 on DT-T459).
- Header and sill: Clusters of two anchors BOM Item F3601 or F3604 (5/8"-11 x 4" Grade 5 Tapflex screw) through 8" long shims, at corners of each panel, 4" apart, 3-7/8" from the end of the header/sill extrusion and mullion/corner centerlines (See detail 01 on Drawing DT-T552, detail 4 on DT-T551A, Detail 4 on DT-T551b and drawing PE-T306).

Specimen 6

- Jambs: Right Jamb Free. Left jamb anchored with two BOM Item F3601 (5/8"-11 x 2-1/2" Grade 5 Tapflex screw) 7" on center, through 11" long shims centered at 12" from top and bottom. (4 anchors on left jamb total, see Detail 4 on Drawing DT-T459)
- Header and sill: Clusters of two anchors BOM Item F3601 through 8" long shims, at corners of each panel, 4" apart, 3-7/8" from the end of the header/sill extrusion and mullion centerlines (See detail 01 on Drawing DT-T552 and drawing PE-T306).

Specimen 14 and 15

- Jambs: Free
- Header and Sill: Clusters of two anchors BOM Item F3601 through shims, at jamb corner of each outside panel, 4" apart, 2-15/16" from end of header/sill extrusion. Two anchors, BOM Item F3601, through 11" long shims, 7" apart, centered on each mullion.

Reinforcements:

Specimen 5:

- (1) 3/8" x 4-1/2" x 152" lg steel plate at jambs
- (2) 3/8" x 4-1/2" x 152" and (1) 3/8" x 3-7/8" x 152" at straight glazed and metal panel mullions
- (2) 3/8" x 3" x 152" and (2) 5/16" x 2" x 152" at 90 degree corners
- (2) 3/8" x 4-1/2" x 152" and (1) 3/8" x 3-7/8" x 152" at 170.5 degree corner mullion

Specimen 14:

- None

Specimen 6:

- Jambs and mullions – (1) 3/8" x 4-1/2" x 126" long steel plate

Specimen 15:

- Jambs: (1) 3/8" x 4-1/2" x 148" lg steel plate
- Mullions: (2) 3/8" x 4-1/2" x 148" lg and (1) 3/8" x 3-7/8" x 148" lg steel plate



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Frame & Panel Construction:

All Specimens

- Glazing panels constructed of aluminum extrusions screwed together with stainless steel assembly screws (F2448). The screw together panels then are structurally glazed with laminated glass, then connected to the frame and/or adjacent mullions with snap locks. Refer to elevation and die drawings at end of report for complete details about the construction of unit.

Specimen 5

- Specimen 5 is a multi-panel, multi-angle system with glazed and aluminum sheathing. Three glazed panels form a right interior angle, one glazed and one metallic panel form a right exterior angle, and two partially metallic/partially glazed panels form a 170.5 degree angle. The metallic panels are formed with aluminum mullions, intermediate mullions, and intermediate transom panels (see drawing DT-T452c). Metallic sheathing is 3mm thick 3003-H14 aluminum sheet (see BOM Item AP-01). This sheathing is stiffened with a 3mm thick 100mm x 50 mm aluminum angle secured to the panel with welded studs at 12" OC (see BOM Item AP-01a), with stiffeners running horizontally, spaced at 20-1/8" (see drawing PE-T305 Sections 4 and 5). The metallic panel was installed with a 22 ga galvanized back-panel sheet, reinforced at 48" vertical spacing with a 2x2x1/4 aluminum angle, and screwed to the interior of the mullions with 1/4" self tapping screws.

Specimen 6

- Specimen 6 is a three panel system with 173 degree angles forming a segmented arc. This specimen is constructed with a head receptor, sill receptor/bracket (EW15002), and left side jamb receptor. The glazed panel extrusion forms the right side jamb. The center panel mullions snap lock to the adjacent panels.

Specimens 14 and 15

- Specimens 14 and 15 are three panel systems. These specimens are constructed with a head receptor and sill receptor/bracket (EW15002). The glazed panel extrusions form the left and right side jambs. The center panel mullions snap lock to the adjacent panels.

Weatherstripping: (For type of material and more information about weatherstripping reference attached drawings)

Specimen 5

- GA0516 silicone bulb gaskets at glazed panel mullion joints
- GA04102 silicone gasket at interior and exterior of mullion snaplock joints
- GA02106 silicone gasket on exterior of head receptor.
- GA02103 and GA011- on interior of jamb receptor
- GA05103 and GA011- silicone gasket on interior of head receptor (both glazed and UHPC Aluminum panels)
- GA07149 silicone gasket on sill exterior (both glazed and UHPC Aluminum panels)
- GA04102 silicone gasket on sill receptor (both glazed and UHPC Aluminum panels)
- (2) sets GA01502 at interior corner mullion/trim cover
- GA04102 on interior of interior corner mullion/trim cover (4 locations)

Specimen 6

- (2) sets of GA05104 silicone bulb gaskets at mullion joints
- GA04102 silicone gasket at interior and exterior of mullion snaplock joint
- GA02106 silicone gasket on exterior of head receptor and exterior of frame jamb receptor
- GA02103 and GA011- on interior of jamb receptor
- GA05103 and GA011- silicone gasket on interior of head receptor
- GA07149 silicone gasket on sill exterior
- GA04102 silicone gasket on sill receptor

Specimen 14:

- (2) sets GA05101 silicone bulb gaskets at mullion joints
- GA04102 silicone gasket at interior and exterior of mullion snap lock joint
- GA02106 silicone gasket on exterior of head receptor
- GA05103 and GA011- silicone gasket on interior of head receptor
- GA07149 silicone gasket on sill exterior
- GA04102 silicone gasket on sill receptor

Specimen 15:

- (2) sets GA05104 silicone bulb gaskets at mullion joints
- GA04102 silicone gasket at interior and exterior of mullion snap lock joint
- GA02106 silicone gasket on exterior of head receptor
- GA05103 and GA011- silicone gasket on interior of head receptor
- GA07149 silicone gasket on sill exterior
- GA04102 silicone gasket on sill receptor

Hardware:

All Specimens :

- N/A



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Weepholes:

All Specimens:

- Weeps are provided at the base of all panels, discharging behind gasket GA07149 to the exterior of the sill receptor.

Test Sequence:

Specimen 5:

1. Air Infiltration ASTM E283
2. TAS 202 @+/-93.75 psf for 30 seconds
3. TAS 202-94 @+/-125 psf for 30 seconds
4. TAS 202-94 @+/-187.5 psf for 30 seconds
5. Disassembly Test ASTM F588
6. TAS 201/ASTM E1996 Small Missile Impacts (Level A)
7. TAS 203/ ASTM E1886 @ +/-125 psf

Specimen 6:

1. Air Infiltration ASTM E283
2. TAS 202 @+/-112.5 psf for 30 seconds
3. Water Infiltration ASTM E331
4. TAS 202-94 @+/-150 psf for 30 seconds
5. TAS 202-94 @+/-225 psf for 30 seconds
6. Disassembly Test ASTM F588
7. TAS 201/ASTM E1996 Small Missile Impacts (Level A)
8. TAS 203/ ASTM E1886 @ +/-150 psf

Specimen 14:

1. Air Infiltration ASTM E283
2. TAS 202 @+/-67.5 psf for 30 seconds
3. Water Infiltration ASTM E331
4. TAS 202-94 @+/-90 psf for 30 seconds
5. TAS 202-94 @+/-135 psf for 30 seconds
6. Disassembly Test ASTM F588
7. TAS 201/ASTM E1996 Small Missile Impacts (Level A)
8. TAS 203/ ASTM E1886 @ +/-90 psf

Specimen 15:

1. Air Infiltration ASTM E283
2. TAS 202 @+/-86.25 psf for 30 seconds
3. Water Infiltration ASTM E331
4. TAS 202-94 @+/-115 psf for 30 seconds
5. TAS 202-94 @+/-172.5 psf for 30 seconds
6. Disassembly Test ASTM F588
7. TAS 201/ASTM E1996 Small Missile Impacts (Level A)
8. TAS 203/ ASTM E1886 @ +/-115 psf



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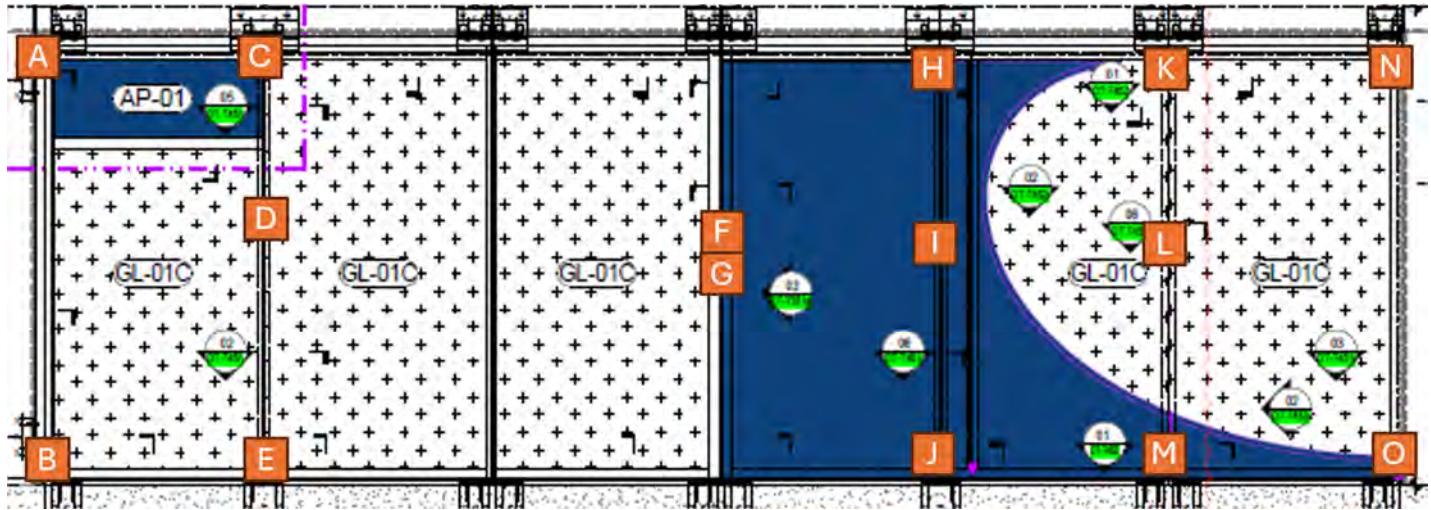
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TAS 202

Test ID: BT-ELG 25-003

SPECIMEN #5



#1 Air Infiltration (T= 70° F)

Test Pressure (psf)	Square footage (ft ²)	Baseline Measured Flow (cfm)	Specimen Measured Flow (cfm)	Delta Flow (cfm)	Leakage [Delta flow/sqft] (cfm/ft ²)	Allowed Flow (cfm/ft ²)
6.24	352.8	897.1	912.2	15.1	.043	0.06



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TAS 202

Test ID: BT-ELG 25-003

SPECIMEN #5

#2 Static Preload (T= 65° F)

STATIC LOAD DATA SHEET							Design Pressure Positive	Design Pressure Negative															
							125.00	125.00															
					A		B		C		D		E		F		G		H		I		
Load Factor	Positive/Negative	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	
0.5TL	Positive	93.750	18.029	30.000	0.125	0.000	0.000	0.000	0.250	0.000	0.750	0.000	0.000	0.000	0.375	0.000	0.063	0.000	0.563	0.000	0.438	0.000	
0.5TL	Negative	93.750	18.029	30.000	0.125	0.063	0.000	0.000	0.438	0.063	0.688	0.125	0.125	0.063	0.375	0.000	0.188	0.063	0.438	0.063	0.438	0.063	
					J		K		L		M		N		O								
Load Factor	Positive/Negative	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)							
0.5TL	Positive	93.750	18.029	30.000	0.000	0.000	0.625	0.000	0.688	0.063	0.000	0.000	0.250	0.000	0.000	0.000							
0.5TL	Negative	93.750	18.029	30.000	0.063	0.000	0.375	0.063	0.688	0.125	0.063	0.000	0.188	0.000	0.000	0.000							

#3 Static Design load (T= 68° F)

STATIC LOAD DATA SHEET							Design Pressure Positive	Design Pressure Negative														
							125.00	125.00														
					A		B		C		D		E		F		G		H		I	
Load Factor	Positive/Negative	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)
DP	Positive	125.000	24.038	30.000	0.125	0.000	0.000	0.000	0.438	0.000	0.750	0.000	0.000	0.000	0.500	0.125	0.188	0.000	0.625	0.000	0.500	0.063
DP	Negative	125.000	24.038	30.000	0.250	0.063	0.000	0.000	0.563	0.063	0.813	0.063	0.125	0.000	0.375	0.063	0.563	0.063	0.563	0.125	0.625	0.063
					J		K		L		M		N		O							
Load Factor	Positive/Negative	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)						
DP	Positive	125.000	24.038	30.000	0.000	0.000	0.438	0.000	0.813	0.000	0.125	0.000	0.125	0.063	0.000	0.000						
DP	Negative	125.000	24.038	30.000	0.125	0.063	0.688	0.063	0.813	0.063	0.125	0.063	0.250	0.000	0.000	0.000						



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TAS 202

Test ID: BT-ELG 25-003

SPECIMEN #5

#4 Static Overload (T= 72° F)

STATIC LOAD DATA SHEET					Design Pressure Positive	Design Pressure Negative																		
Load Factor	Positive/ Negative	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)		
TL	Positive	187.500	36.058	30.000	0.125	0.000	0.000	0.000	0.625	0.063	1.250	0.125	0.063	0.000	0.438	0.063	0.250	0.000	0.563	0.063	0.563	0.063		
TL	Negative	187.500	36.058	30.000	0.313	0.063	0.000	0.000	0.625	0.000	1.688	0.063	0.125	0.125	0.563	0.000	0.375	0.125	0.750	0.000	0.688	0.000		
					J		K		L		M		N		O									
Load Factor	Positive/ Negative	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)								
TL	Positive	187.500	36.058	30.000	0.063	0.000	0.563	0.063	1.000	0.125	0.063	0.000	0.188	0.063	0.000	0.000								
TL	Negative	187.500	36.058	30.000	0.188	0.063	0.625	0.063	0.938	0.000	0.188	0.000	0.313	0.000	0.000	0.000								

#5 Disassembly Test (T= 72° F)

Remove from the window test specimen all screws, glazing beads, and any other members or other mechanical fasteners that can be removed readily from the exterior within a time limit of 5 min using the Disassembly Test Tools List. Removal of the indicated parts shall be done carefully so as not to cause collateral damage to the specimen.

Disassembly Test Tools

*A spatula, putty knife or other non-cutting tool with a thin blade.

**Non powered straight 6" Phillips screw driver

***Standard Slot type pliers 6-7" length

PASS/FAIL: PASS



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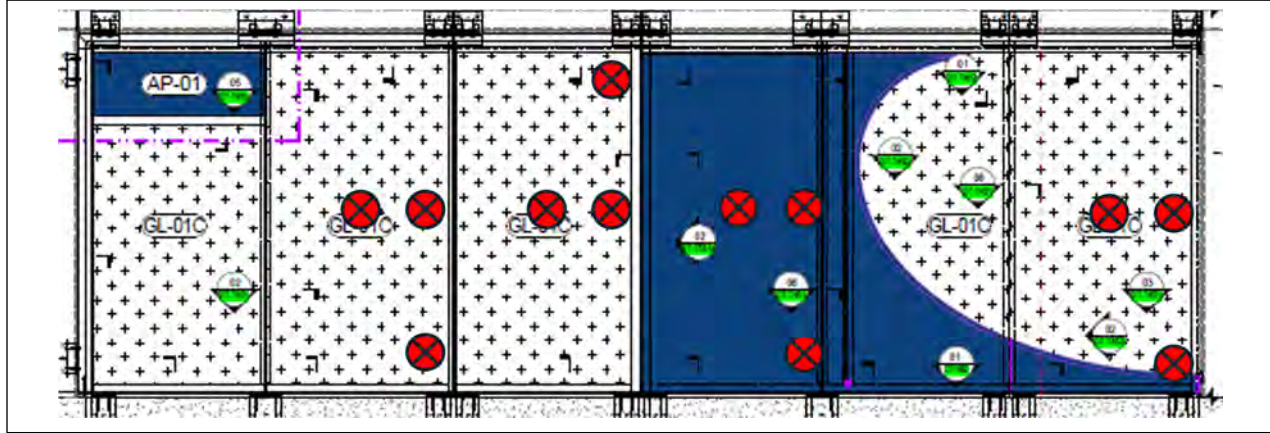
MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 201/ASTM E1996 (SMALL)

Test ID: BT-ELG-25-003

SPECIMEN # 5



#6 SMALL Missile Impact Test (T= 72° F)

SMALL MISSILE IMPACT DATA SHEET					
	Location			Results	
Shot	Area	X (in.)	Y (in.)	Pass/Fail	
1	Center	32	73	PASS	
2	Side	57	73	PASS	
3	Corner	57	10	PASS	
4	Center	32	75	PASS	
5	Side	57	10	PASS	
6	Corner	56	75	PASS	
7	Center	22	78	PASS	
8	Side	57	78	PASS	
9	Corner	57	11	PASS	
10	Center	33	68	PASS	
11	Side	57	70	PASS	
12	Corner	58	9	PASS	

Measured from bottom left corner of each panel



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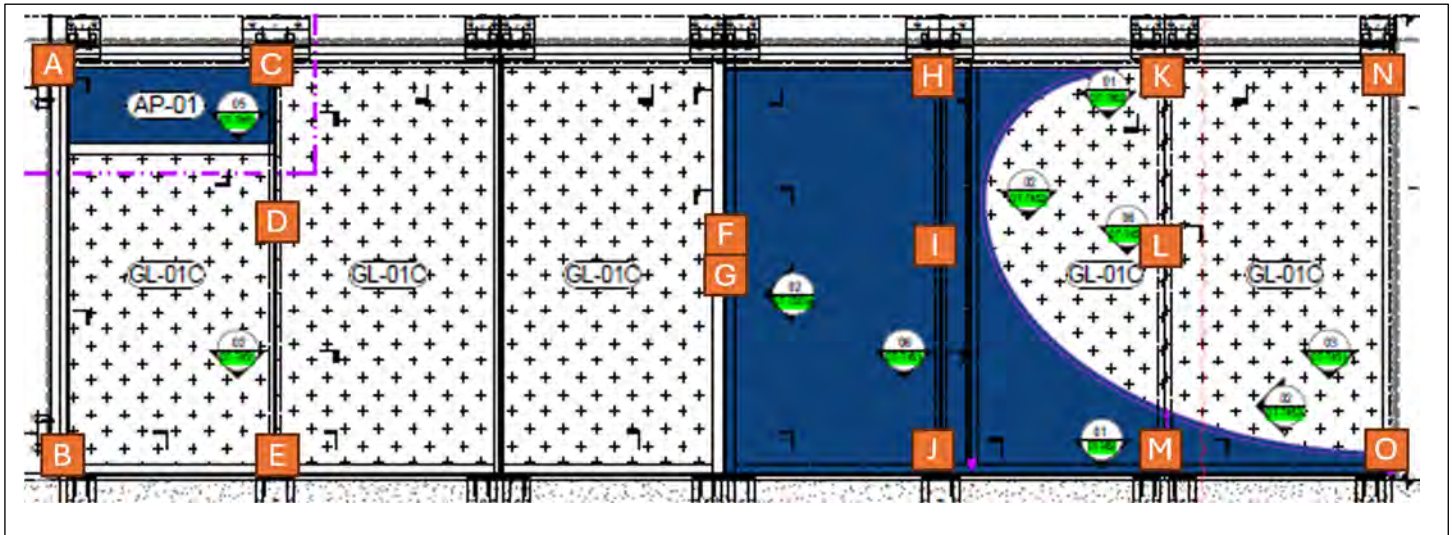
MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 203 (Cyclic Load)

Test ID: BT-ELG-25-003

Specimen #5





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MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



Test ID: BT-ELG-25-003

Specimen #5

#7 TAS 203 (Cyclic Load) (T= 72° F)

CYCLIC LOAD DATA SHEET				Pd psf										
				High	Low									
				125.00	125.00									
Positive Pressure														
Load Range	High Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	A		B		C		D		E		Avg time per Cycle
				Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	
20% to 50%	62.5	4.81	12.02	0.000	0.000	0.000	0.000	0.625	0.000	0.625	0.000	0.063	0.000	2.700
0% to 60%	75	0	14.42	0.125	0.000	0.000	0.000	0.625	0.063	1.063	0.000	0.063	0.000	2.900
50% to 80%	100	12.02	19.23	0.125	0.000	0.000	0.000	0.688	0.063	1.125	0.063	0.063	0.000	2.800
30% to 100%	125.00	7.21	24.04	0.125	0.000	0.000	0.000	0.688	0.063	1.125	0.063	0.063	0.000	3.000
Positive Pressure														
Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	F		G		H		I		J		
				Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	
20% to 50%	62.5	4.81	12.02	0.125	0.000	0.375	0.063	0.625	0.000	0.438	0.000	0.000	0.000	
0% to 60%	75	0.00	14.42	0.125	0.000	0.563	0.000	0.625	0.063	0.438	0.063	0.000	0.000	
50% to 80%	100	12.019231	19.23	0.375	0.063	0.750	0.000	0.688	0.063	0.500	0.063	0.000	0.000	
30% to 100%	125	7.21	24.04	0.438	0.063	0.938	0.063	0.750	0.125	0.500	0.063	0.000	0.000	
Positive Pressure														
Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	K		L		M		N		O		
				Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	
20% to 50%	62.5	4.81	12.02	0.375	0.063	0.500	0.000	0.063	0.000	0.125	0.000	0.000	0.000	
0% to 60%	75	0.00	14.42	0.375	0.063	0.875	0.000	0.125	0.000	0.188	0.000	0.000	0.000	
50% to 80%	100	12.019231	19.23	0.625	0.063	0.875	0.063	0.125	0.000	0.250	0.063	0.000	0.000	
30% to 100%	125	7.21	24.04	0.625	0.063	1.000	0.063	0.188	0.000	0.313	0.125	0.000	0.000	
Negative Pressure														
Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	A		B		C		D		E		Avg time per Cycle
				Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	
30% to 100%	125	7.21	24.04	0.313	0.000	0.000	0.000	0.688	0.063	1.250	0.063	0.125	0.063	3.000
50% to 80%	100	12.02	19.23	0.250	0.000	0.000	0.000	0.563	0.063	1.000	0.125	0.125	0.063	2.900
0% to 60%	75	0	14.42	0.125	0.000	0.000	0.000	0.375	0.000	0.938	0.063	0.000	0.000	3.000
20% to 50%	62.5	4.81	12.02	0.000	0.000	0.000	0.000	0.250	0.000	0.750	0.000	0.000	0.000	2.800
Negative Pressure														
Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	F		G		H		I		J		
				Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	
30% to 100%	125	7.21	24.04	0.438	0.063	0.875	0.063	0.750	0.063	0.500	0.125	0.188	0.063	
50% to 80%	100	12.02	19.23	0.438	0.063	0.750	0.000	0.500	0.063	0.500	0.188	0.125	0.063	
0% to 60%	75	0	14.42	0.250	0.000	0.625	0.000	0.313	0.000	0.438	0.063	0.000	0.000	
20% to 50%	62.5	4.81	12.02	0.188	0.000	0.625	0.000	0.250	0.000	0.250	0.000	0.000	0.000	
Negative Pressure														
Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	K		L		M		N		O		
				Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	
30% to 100%	125	7.21	24.04	0.750	0.125	1.063	0.063	0.125	0.063	0.250	0.000	0.000	0.000	
50% to 80%	100	12.02	19.23	0.438	0.125	0.938	0.063	0.125	0.063	0.250	0.000	0.000	0.000	
0% to 60%	75	0	14.42	0.250	0.000	0.625	0.000	0.000	0.000	0.125	0.000	0.000	0.000	
20% to 50%	62.5	4.81	12.02	0.188	0.000	0.500	0.000	0.000	0.000	0.125	0.000	0.000	0.000	



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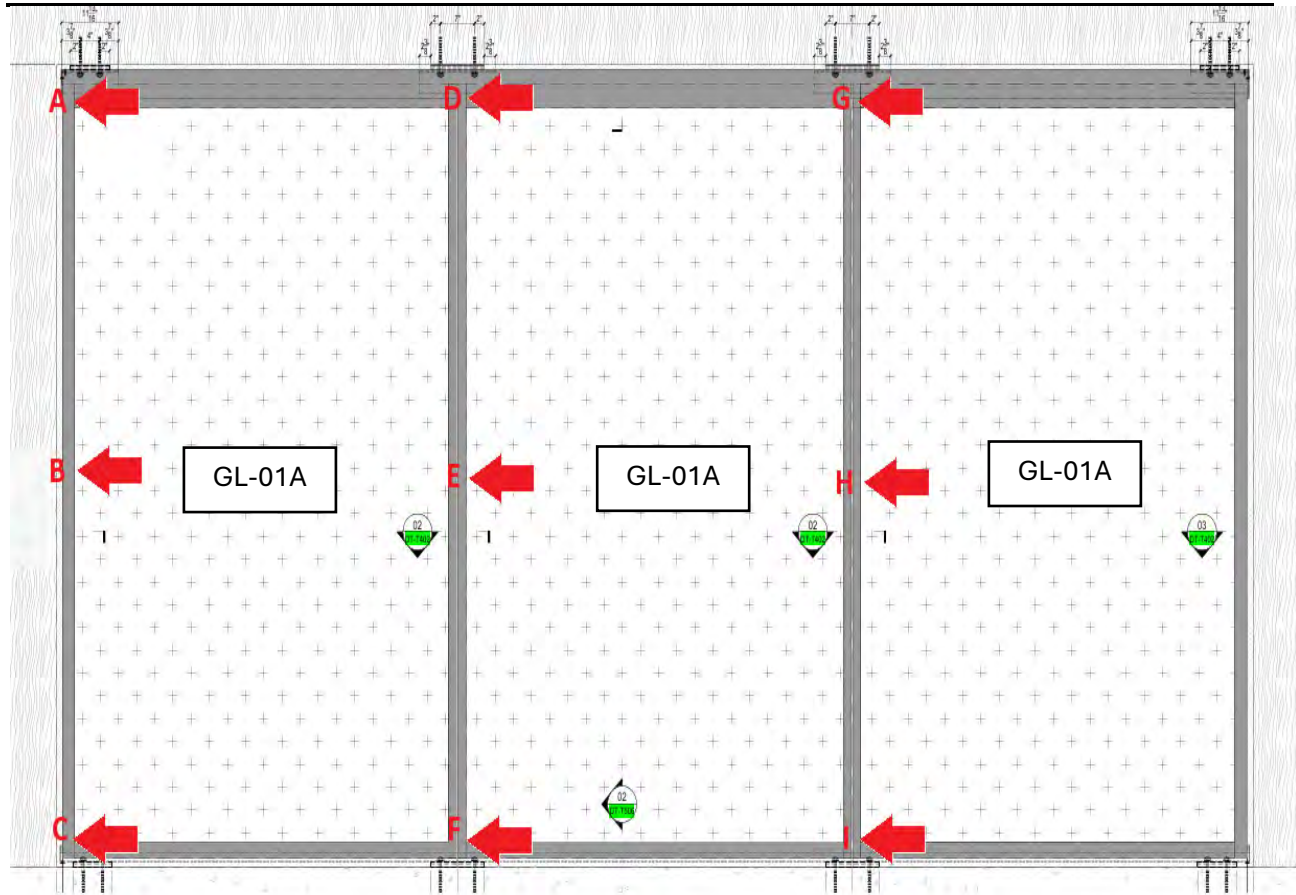
MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 202

Test ID: BT-ELG 25-003

SPECIMEN #6



Gauge Locations

#1 Air Infiltration (T= 70° F)

Test Pressure (psf)	Square footage (ft ²)	Baseline Measured Flow (cfm)	Specimen Measured Flow (cfm)	Delta Flow (cfm)	Leakage [Delta flow/sqft] (cfm/ft ²)	Allowed Flow (cfm/ft ²)
6.24	180.1	451.9	456.7	4.8	.01	0.06



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MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 202

Test ID: BT-ELG 25-003

SPECIMEN #6

#2 Static Preload (T= 70° F)

STATIC LOAD DATA SHEET				Design Pressure Positive		Design Pressure Negative															
				150.00		150.00															
				A		B		C		D		E		F		G		H		I	
Load Direction	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)
Positive	112.500	21.635	30.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.313	0.063	0.125	0.063	0.063	0.000	0.250	0.000	0.063	0.000
Negative	112.500	21.635	30.000	0.063	0.000	0.188	0.063	0.000	0.000	0.125	0.000	0.375	0.188	0.125	0.063	0.125	0.000	0.375	0.125	0.063	0.000

#3 Water Infiltration (T = 72° F)

Test Pressure (psf)	Test Duration (min)	Water Leakage Pass/Fail
22.5 psf	15	PASS

#4 Static Design load (T= 72° F)

STATIC LOAD DATA SHEET					Design Pressure Positive	Design Pressure Negative																
																						150.00
																						A
Load Factor	Load Direction	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)		
DP	Positive	150.000	28.846	30.000	0.000	0.000	0.000	0.000	0.000	0.000	0.125	0.063	0.563	0.063	0.188	0.063	0.188	0.000	0.625	0.063	0.188	0.000
DP	Negative	150.000	28.846	30.000	0.125	0.000	0.250	0.000	0.000	0.000	0.188	0.000	0.688	0.000	0.188	0.000	0.188	0.063	0.688	0.063	0.188	0.063

#5 Static Overload (T= 72° F)

STATIC LOAD DATA SHEET						Design Pressure Positive	Design Pressure Negative															
						150.00	150.00															
					A		B		C		D		E		F		G		H		I	
Load Factor	Load Direction	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)
TL	Positive	225.000	43.269	30.000	0.000	0.000	0.063	0.000	0.000	0.000	0.125	0.000	1.063	0.063	0.313	0.063	0.125	0.063	0.813	0.125	0.250	0.063
TL	Negative	225.000	43.269	30.000	0.000	0.000	0.063	0.000	0.000	0.000	0.063	0.000	1.125	0.063	0.250	0.063	0.125	0.063	0.813	0.125	0.125	0.063

#6 Disassembly Test (T= 72° F)

Remove from the window test specimen all screws, glazing beads, and any other members or other mechanical fasteners that can be removed readily from the exterior within a time limit of 5 min using the Disassembly Test Tools List. Removal of the indicated parts shall be done carefully so as not to cause collateral damage to the specimen.

Disassembly Test Tools

*A spatula, putty knife or other non-cutting tool with a thin blade.

**Non powered straight 6" Phillips screw driver

***Standard Slot type pliers 6-7" length

PASS/FAIL: PASS



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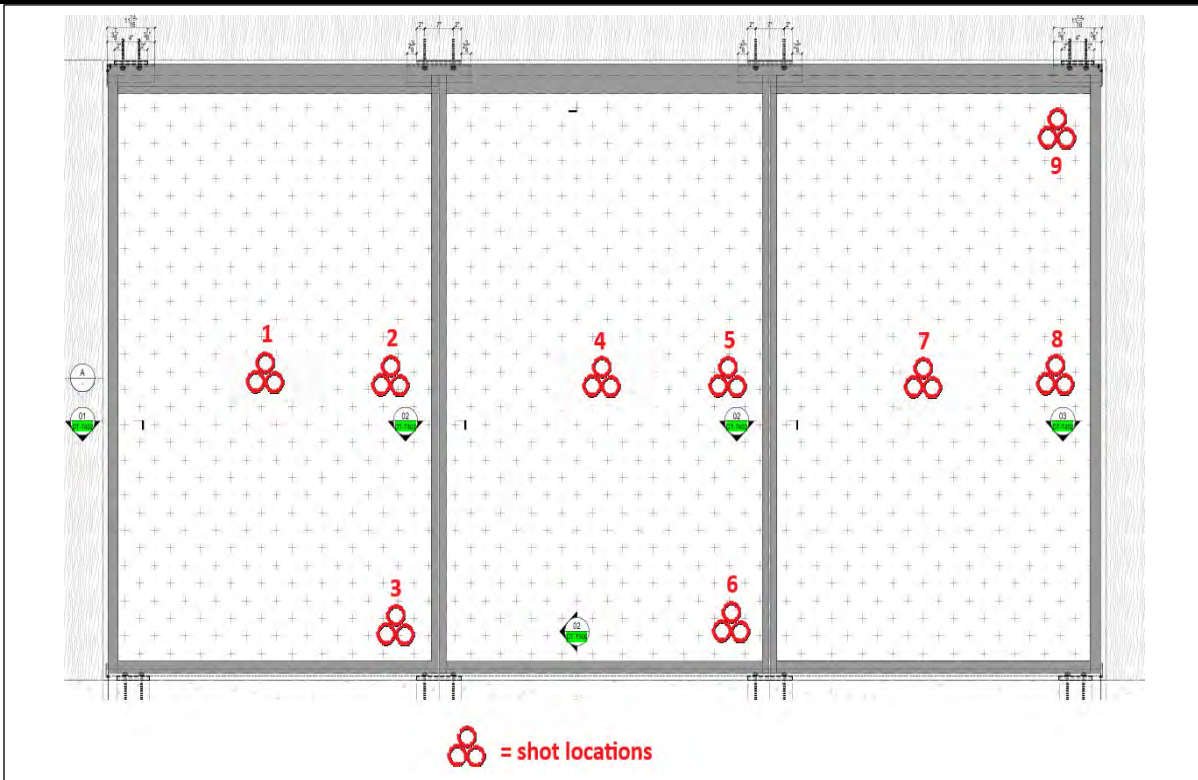
MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 201/ASTM E1996 (SMALL)

Test ID: BT-ELG-25-003

SPECIMEN # 6



#7 SMALL Missile Impact Test (T= 72° F)

SMALL MISSILE IMPACT DATA SHEET				
	Location			Results
Shot	Area	X (in.)	Y (in.)	Pass/Fail
1	Center	34	69	PASS
2	edge	57	69	PASS
3	Corner	56	17	PASS
4	Center	100	67	PASS
5	Edge	122	67	PASS
6	Corner	125	14	PASS
7	Center	168	67	PASS
8	Edge	190	67	PASS
9	Corner	189	118	PASS



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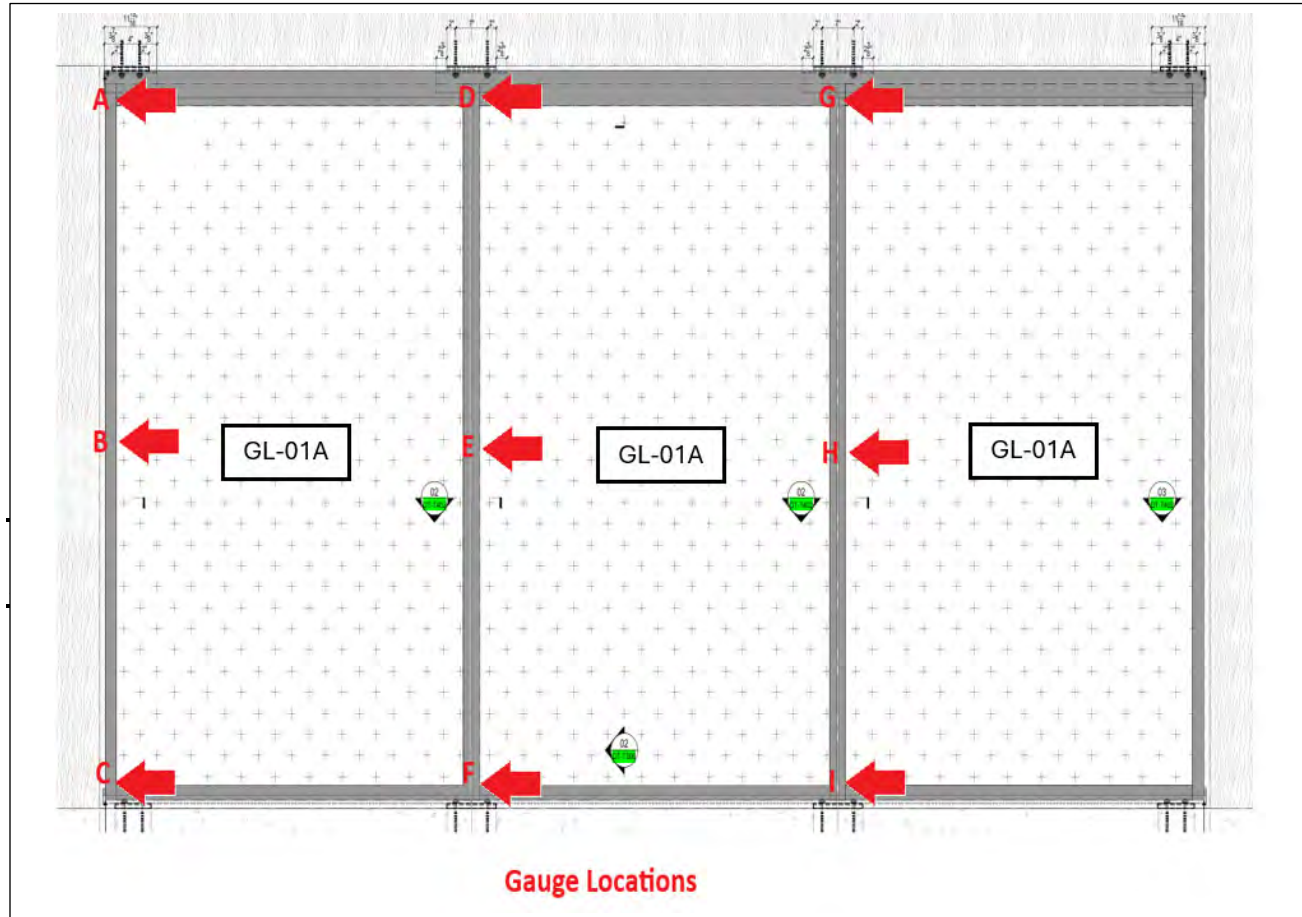
MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 203 (Cyclic Load)

Test ID: BT-ELG-25-003

Specimen #6





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MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 203 (Cyclic Load)

Test ID: BT-ELG 25-003

SPECIMEN #6

#8 TAS 203 (Cyclic Load) (T= 65° F)

CYCLIC LOAD DATA SHEET					Pd psf									
					High	Low								
					150.00	150.00								
Positive Pressure														
Cycles	Load Range	High Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	A		B		C		D		E	
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)
3500	20% to 50%	75	5.77	14.42	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.313	0.125
300	0% to 60%	90	0	17.31	0.000	0.000	0.125	0.063	0.063	0.000	0.125	0.000	0.625	0.063
600	50% to 80%	120	14.42	23.08	0.000	0.000	0.250	0.063	0.063	0.000	0.188	0.000	0.500	0.063
100	30% to 100%	150.00	8.65	28.85	0.000	0.000	0.313	0.000	0.063	0.000	0.188	0.000	0.563	0.000
Positive Pressure														
No. of cycles	Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	F		G		H		I			
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)		
3500	20% to 50%	75	5.77	14.42	0.063	0.000	0.125	0.000	0.313	0.188	0.125	0.000		
300	0% to 60%	90	0.00	17.31	0.063	0.000	0.125	0.000	0.438	0.063	0.125	0.000		
600	50% to 80%	120	14.42308	23.08	0.125	0.000	0.125	0.000	0.563	0.000	0.125	0.000		
100	30% to 100%	150	8.65	28.85	0.125	0.000	0.125	0.000	0.625	0.000	0.125	0.000		
Negative Pressure														
No. of cycles	Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	A		B		C		D		E	
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)
50	30% to 100%	150	8.65	28.85	0.125	0.000	0.250	0.125	0.063	0.000	0.188	0.000	0.875	0.188
1050	50% to 80%	120	14.42	23.08	0.063	0.000	0.188	0.000	0.063	0.000	0.188	0.000	0.563	0.000
50	0% to 60%	90	0	17.31	0.063	0.000	0.125	0.000	0.000	0.000	0.125	0.000	0.438	0.063
3350	20% to 50%	75	5.77	14.42	0.000	0.000	0.125	0.000	0.000	0.000	0.063	0.000	0.375	0.000
Negative Pressure														
No. of cycles	Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	F		G		H		I			
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)		
50	30% to 100%	150	8.65	28.85	0.188	0.000	0.188	0.000	0.625	0.188	0.188	0.000		
1050	50% to 80%	120	14.42	23.08	0.188	0.063	0.188	0.000	0.500	0.063	0.125	0.000		
50	0% to 60%	90	0	17.31	0.125	0.000	0.125	0.000	0.500	0.000	0.125	0.000		
3350	20% to 50%	75	5.77	14.42	0.125	0.000	0.063	0.000	0.375	0.000	0.125	0.000		



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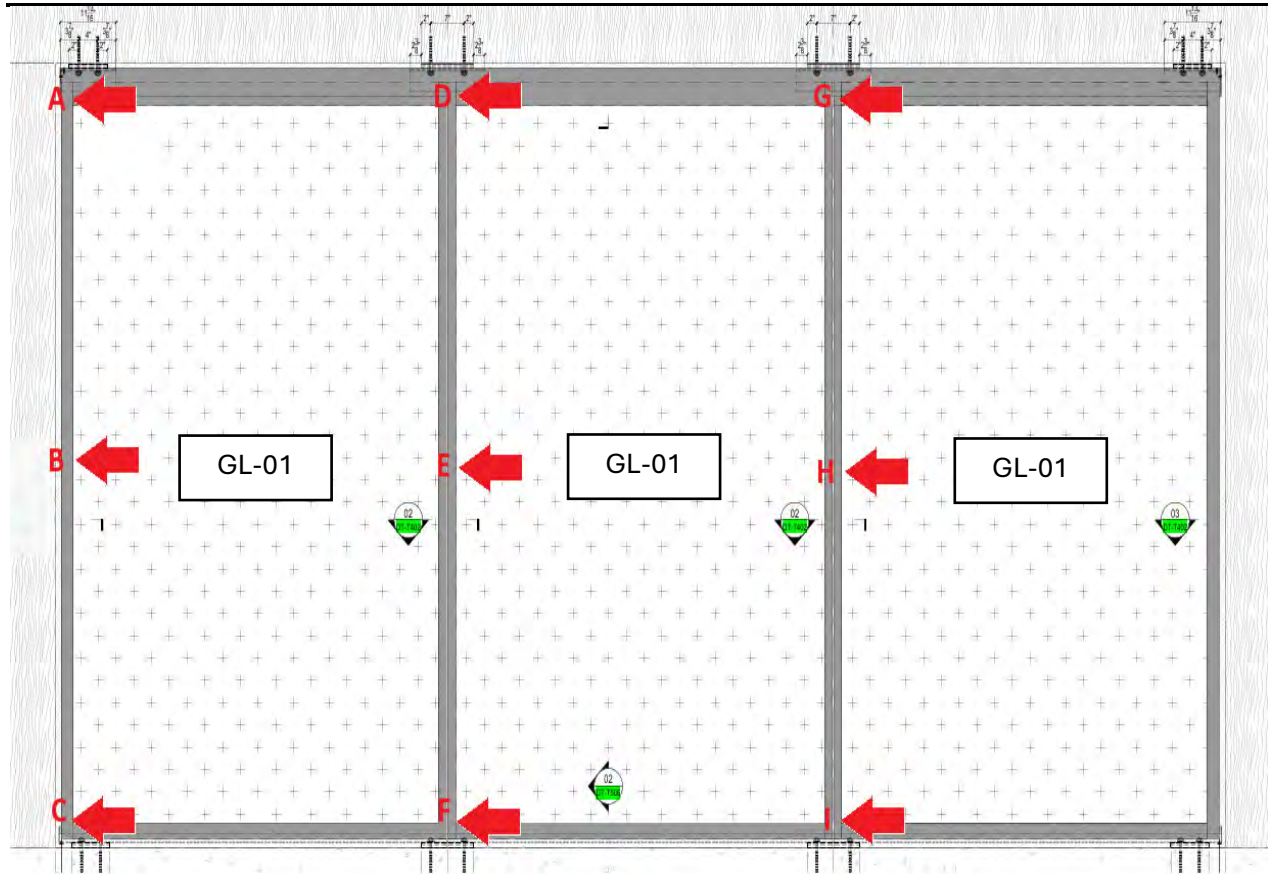
MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 202

Test ID: BT-ELG 25-003

SPECIMEN #14



Gauge Locations

#1 Air Infiltration (T= 76° F)

Test Pressure (psf)	Square footage (ft ²)	Baseline Measured Flow (cfm)	Specimen Measured Flow (cfm)	Delta Flow (cfm)	Leakage [Delta flow/sqft] (cfm/ft ²)	Allowed Flow (cfm/ft ²)
6.24	189.32	436.2	445.38	9.18	0.04	0.06



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MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 202 (cont)

Test ID: BT-ELG 25-003

SPECIMEN #14

#2 Static Preload (T= 76° F)

STATIC LOAD DATA SHEET						Design Pressure Positive	Design Pressure Negative														
						90.00	90.00														
						A		B		C		D		E		F		G		H	
Load Direction	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)
Positive	67.500	12.981	30.000	0.188	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.438	0.000	0.125	0.000	0.000	0.000	0.188	0.063	0.063	0.000
Negative	67.500	12.981	30.000	0.188	0.000	0.250	0.063	0.000	0.000	0.000	0.000	0.375	0.125	0.125	0.063	0.000	0.000	0.063	0.063	0.063	0.063

#3 Water Infiltration (T= 80° F)

Test Pressure (psf)	Test Duration (min)	Water Leakage Pass/Fail
13.5 psf	15	PASS

#4 Static Design load (T= 76° F)

STATIC LOAD DATA SHEET					Design Pressure Positive	Design Pressure Negative																
					90.00	90.00																
					A		B		C		D		E		F		G		H		I	
Load Factor	Load Direction	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)
DP	Positive	90.000	17.308	30.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.188	0.000	0.000	0.000	0.563	0.000	0.063	0.063
DP	Negative	90.000	17.308	30.000	0.250	0.063	0.375	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.188	0.000	0.000	0.000	0.313	0.063	0.063	0.000



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MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 202 (Cont.)

Test ID: BT-ELG-25-003

SPECIMEN #14

#5 Static Overload (T= 76 ° F)

STATIC LOAD DATA SHEET						Design Pressure Positive	Design Pressure Negative															
						90.00	90.00															
						A		B		C		D		E		F		G		H		I
Load Factor	Load Direction	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)
TL	Positive	135.000	25.962	30.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.438	0.063	0.250	0.063	0.000	0.000	0.625	0.125	0.250	0.063
TL	Negative	135.000	25.962	30.000	0.063	0.000	0.063	0.000	0.000	0.000	0.000	0.000	0.250	0.125	0.000	0.000	0.000	0.000	0.313	0.188	0.063	0.063

#6 Disassembly Test (T= 76° F)

Remove from the window test specimen all screws, glazing beads, and any other members or other mechanical fasteners that can be removed readily from the exterior within a time limit of 5 min using the Disassembly Test Tools List. Removal of the indicated parts shall be done carefully so as not to cause collateral damage to the specimen.

Disassembly Test Tools

*A spatula, putty knife or other non-cutting tool with a thin blade.

**Non powered straight 6" Phillips screw driver

***Standard Slot type pliers 6-7" length

PASS/FAIL: **PASS**



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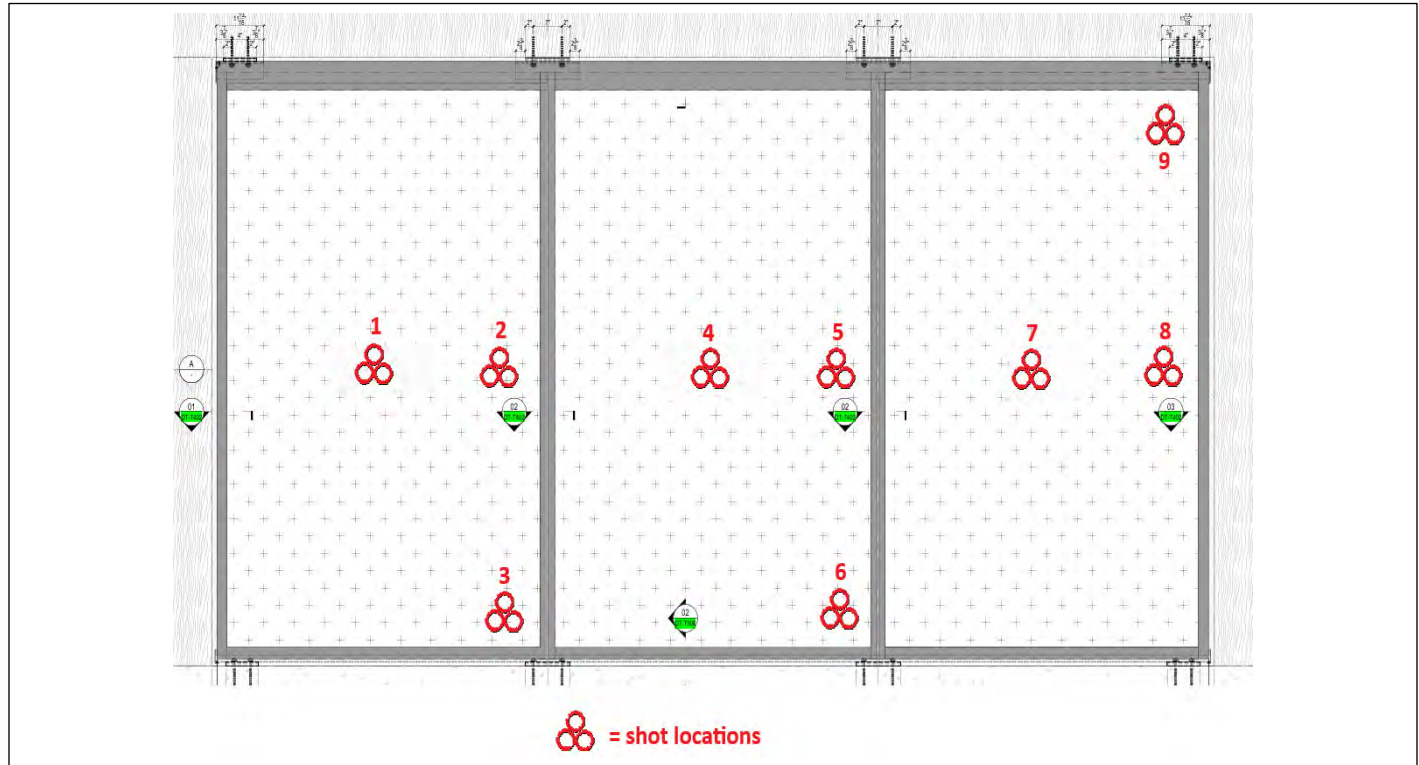
MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 201/ASTM E1996 (SMALL)

Test ID: BT-ELG-25-003

SPECIMEN # 14



#7 SMALL Missile Impact Test (T= 76° F)

SMALL MISSILE IMPACT DATA SHEET					
Shot	Location				Results
	Area	X (in.)	Y (in.)		Pass/Fail
1	Center	34	61		PASS
2	Edge	58	61		PASS
3	Corner	58	12		PASS
4	Center	101	61		PASS
5	Edge	124	60		PASS
6	Corner	124	13		PASS
7	Center	167	61		PASS
8	Edge	180	61		PASS
9	Corner	189	113		PASS

TAS 203 (Cyclic Load)



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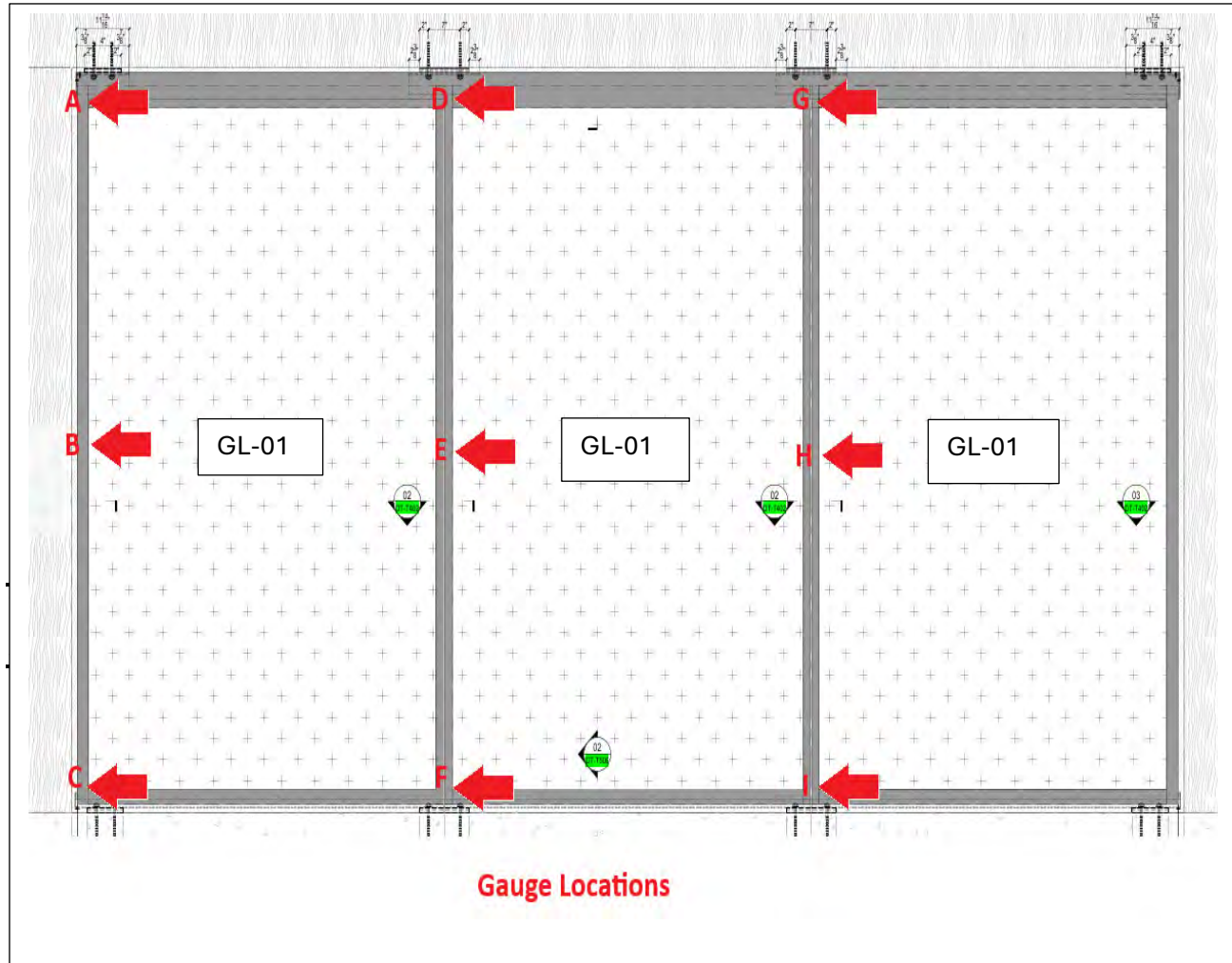
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Test ID: BT-ELG-25-003

SPECIMEN # 14





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MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 203 (Cyclic Load)

Test ID: BT-ELG-25-003

SPECIMEN # 14

#8 TAS 203 (Cyclic Load)

(T= 76° F)

CYCLIC LOAD DATA SHEET					Pd psf									
					High	Low								
					90.00	90.00								
Positive Pressure														
Cycles	Load Range	High Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	A		B		C		D		E	
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)
3500	20% to 50%	45	3.46	8.65	0.063	0.063	0.125	0.000	0.000	0.000	0.438	0.063	0.500	0.063
300	0% to 60%	54	0	10.38	0.063	0.000	0.188	0.000	0.000	0.000	0.500	0.000	0.625	0.000
600	50% to 80%	72	8.65	13.85	0.125	0.000	0.188	0.000	0.063	0.000	0.625	0.000	0.813	0.000
100	30% to 100%	90.00	5.19	17.31	0.188	0.000	0.250	0.000	0.125	0.000	0.688	0.000	0.938	0.063
Negative Pressure														
No. of cycles	Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	A		B		C		D		E	
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)
50	30% to 100%	90	5.19	17.31	0.125	0.063	0.188	0.063	0.125	0.000	0.438	0.063	0.813	0.125
1050	50% to 80%	72	8.65	13.85	0.125	0.000	0.188	0.000	0.125	0.063	0.375	0.000	0.625	0.000
50	0% to 60%	54	0	10.38	0.063	0.000	0.125	0.000	0.063	0.000	0.313	0.063	0.438	0.000
3350	20% to 50%	45	3.46	8.65	0.063	0.000	0.063	0.000	0.063	0.000	0.313	0.000	0.438	0.000
Positive Pressure														
No. of cycles	Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	F		G		H		I			
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)		
3500	30% to 100%	45	3.46	8.65	0.188	0.000	0.875	0.000	1.125	0.000	0.188	0.000		
300	50% to 80%	54	0.00	10.38	0.188	0.063	0.688	0.000	0.938	0.000	0.188	0.000		
600	0% to 60%	72	8.653846	13.85	0.125	0.000	0.688	0.063	0.750	0.000	0.188	0.000		
100	20% to 50%	90	5.19	17.31	0.125	0.000	0.625	0.063	0.688	0.125	0.125	0.063		
Negative Pressure														
No. of cycles	Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	F		G		H		I			
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)		
50	30% to 100%	90	5.19	17.31	0.125	0.000	0.563	0.125	0.813	0.188	0.063	0.063		
1050	50% to 80%	72	8.65	13.85	0.125	0.000	0.500	0.000	0.688	0.000	0.125	0.000		
50	0% to 60%	54	0	10.38	0.125	0.000	0.438	0.000	0.688	0.000	0.063	0.000		
3350	20% to 50%	45	3.46	8.65	0.125	0.000	0.438	0.000	0.500	0.000	0.063	0.000		



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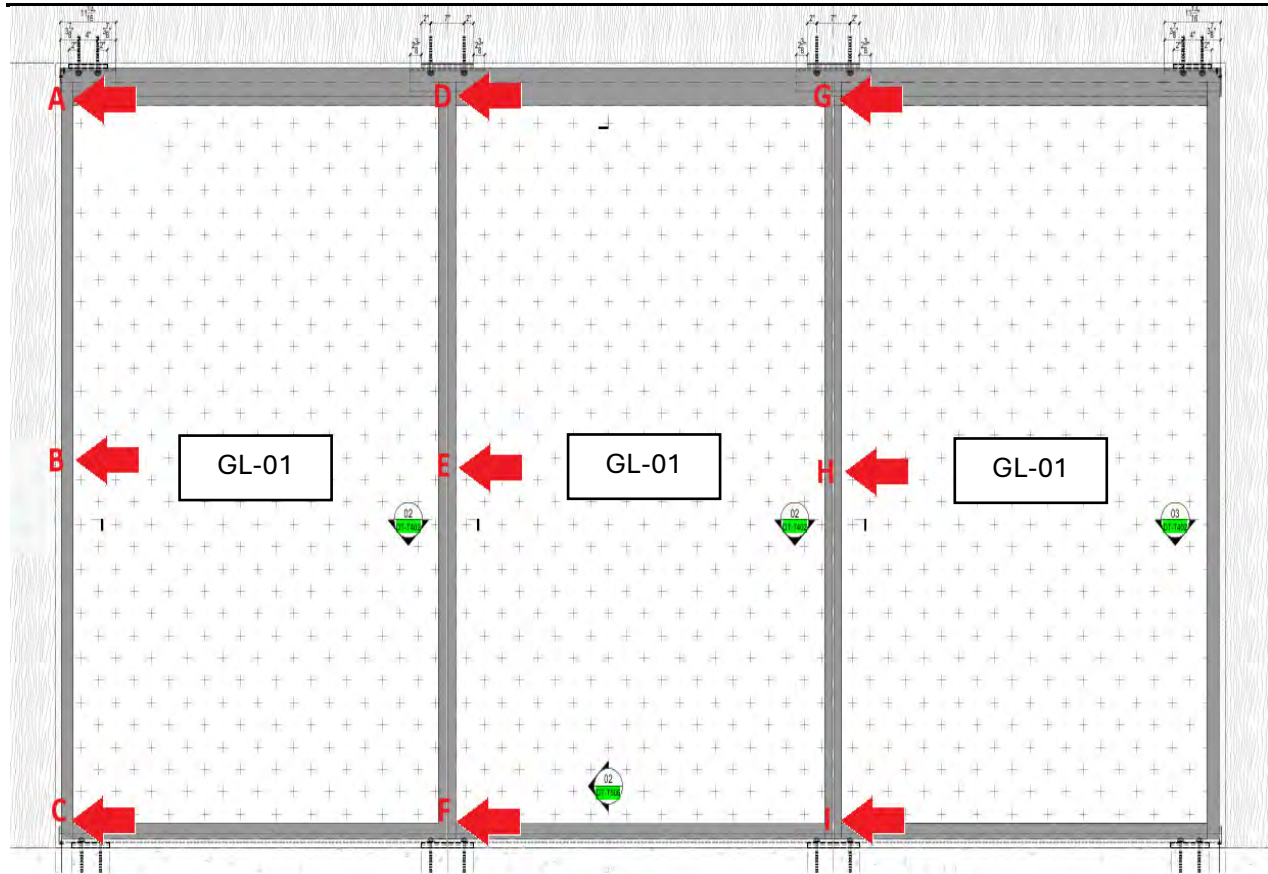
MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 202

Test ID: BT-ELG 25-003

SPECIMEN #15



Gauge Locations

#1 Air Infiltration Test Results (T= 70° F)

Test Pressure (psf)	Square footage (ft ²)	Baseline Measured Flow (cfm)	Specimen Measured Flow (cfm)	Delta Flow (cfm)	Leakage [Delta flow/sqft] (cfm/ft ²)	Allowed Flow (cfm/ft ²)
6.24	211.7	425.3	435.1	9.8	0.04	0.06



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TAS 202 (cont)

Test ID: BT-ELG 25-003

SPECIMEN #15

#2 Static Preload (T= 72° F)

STATIC LOAD DATA SHEET						Design Pressure Positive	Design Pressure Negative														
						115.00	115.00														
						A		B		C		D		E		F		G		H	
Load Direction	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)
Positive	86.250	16.587	30.000	0.313	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.563	0.063	0.188	0.063	0.000	0.000	0.750	0.125	0.188	0.063
Negative	86.250	16.587	30.000	0.313	0.063	0.250	0.125	0.000	0.000	0.000	0.000	0.625	0.125	0.250	0.063	0.000	0.000	0.688	0.125	0.313	0.188

#3 Water Infiltration (T= 72° F)

Test Pressure (psf)	Test Duration (min)	Water Leakage Pass/Fail
17.25 psf	15	PASS

#4 Static Design load (T= 72° F)

STATIC LOAD DATA SHEET						Design Pressure Positive	Design Pressure Negative															
						115.00	115.00															
						A		B		C		D		E		F		G		H		I
Load Factor	Load Direction	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)
DP	Positive	115.000	22.115	30.000	0.313	0.000	0.125	0.250	0.000	0.000	0.000	0.000	0.813	0.063	0.313	0.063	0.000	0.000	0.875	0.000	0.438	0.063
DP	Negative	115.000	22.115	30.000	0.375	0.063	0.188	0.063	0.063	0.000	0.000	0.000	0.813	0.063	0.375	0.063	0.000	0.000	0.875	0.063	0.500	0.000



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MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 202 (Cont.)

Test ID: BT-ELG-25-003

SPECIMEN #15

#5 Static Overload (T= 72° F)

STATIC LOAD DATA SHEET					Design Pressure Positive		Design Pressure Negative															
					115.00		115.00															
					A		B		C		D		E		F		G		H		I	
Load Factor	Load Direction	Load psf	Load Inch Water	Load Duration (s)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)	Defl(in.)	Permanent Set (in.)
TL	Positive	172.500	33.173	30.000	0.375	0.000	0.500	0.125	0.000	0.000	0.000	0.000	1.000	0.188	0.500	0.188	0.000	0.000	0.938	0.188	0.625	0.250
TL	Negative	172.500	33.173	30.000	0.375	0.000	0.043	0.250	0.000	0.000	0.000	0.000	1.063	0.125	0.563	0.063	0.000	0.000	1.063	0.125	0.625	0.125

#6 Disassembly Test (T= 72° F)

Remove from the window test specimen all screws, glazing beads, and any other members or other mechanical fasteners that can be removed readily from the exterior within a time limit of 5 min using the Disassembly Test Tools List. Removal of the indicated parts shall be done carefully so as not to cause collateral damage to the specimen.

Disassembly Test Tools

*A spatula, putty knife or other non-cutting tool with a thin blade.

**Non powered straight 6" Phillips screw driver

***Standard Slot type pliers 6-7" length

PASS/FAIL: **PASS**



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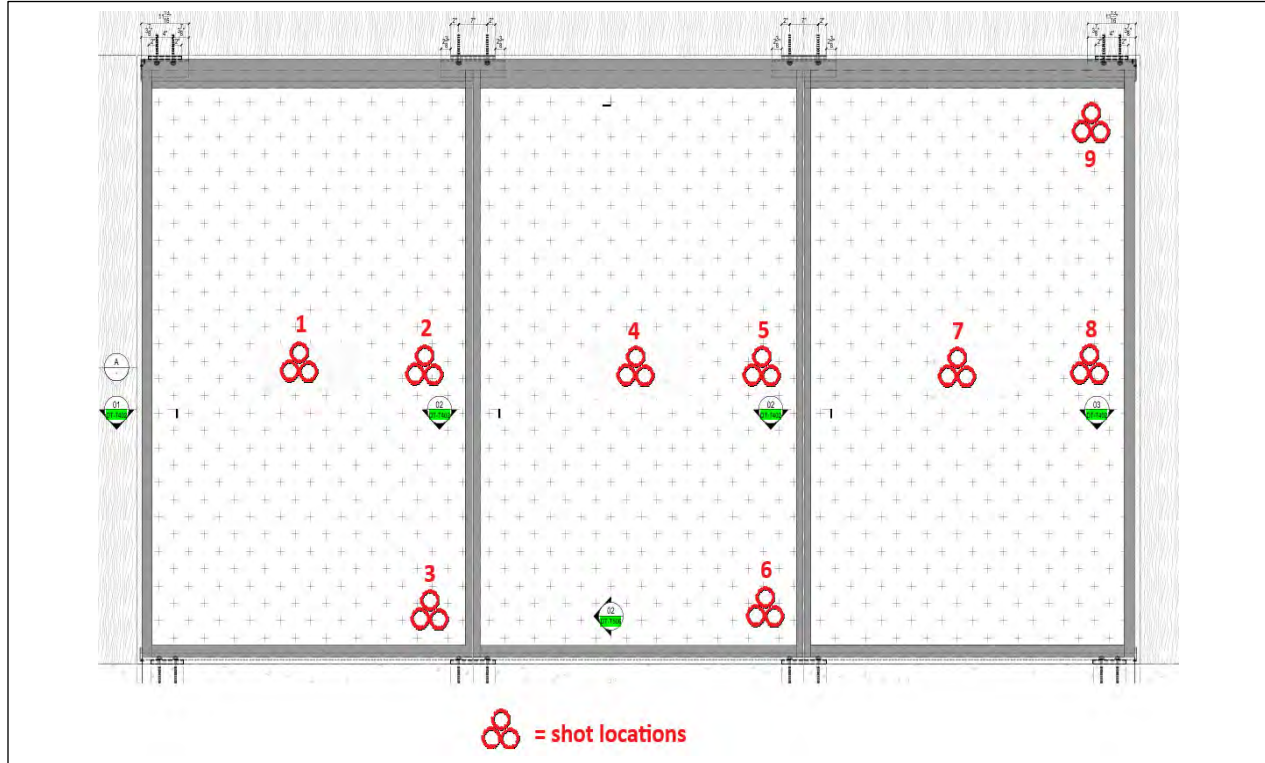
MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 201/ASTM E1996 (SMALL)

Test ID: BT-ELG-25-003

SPECIMEN # 15



#7 SMALL Missile Impact Test (T=76 ° F)

SMALL MISSILE IMPACT DATA SHEET				
Shot	Location			Results
	Area	X (in.)	Y (in.)	Pass/Fail
1	Center	34	76	PASS
2	Edge	56	76	PASS
3	Corner	56	12	PASS
4	Center	98	77	PASS
5	Edge	123	77	PASS
6	Corner	123	12	PASS
7	Center	167	77	PASS
8	Edge	187	77	PASS
9	Corner	187	12	PASS

TAS 203 (Cyclic Load)



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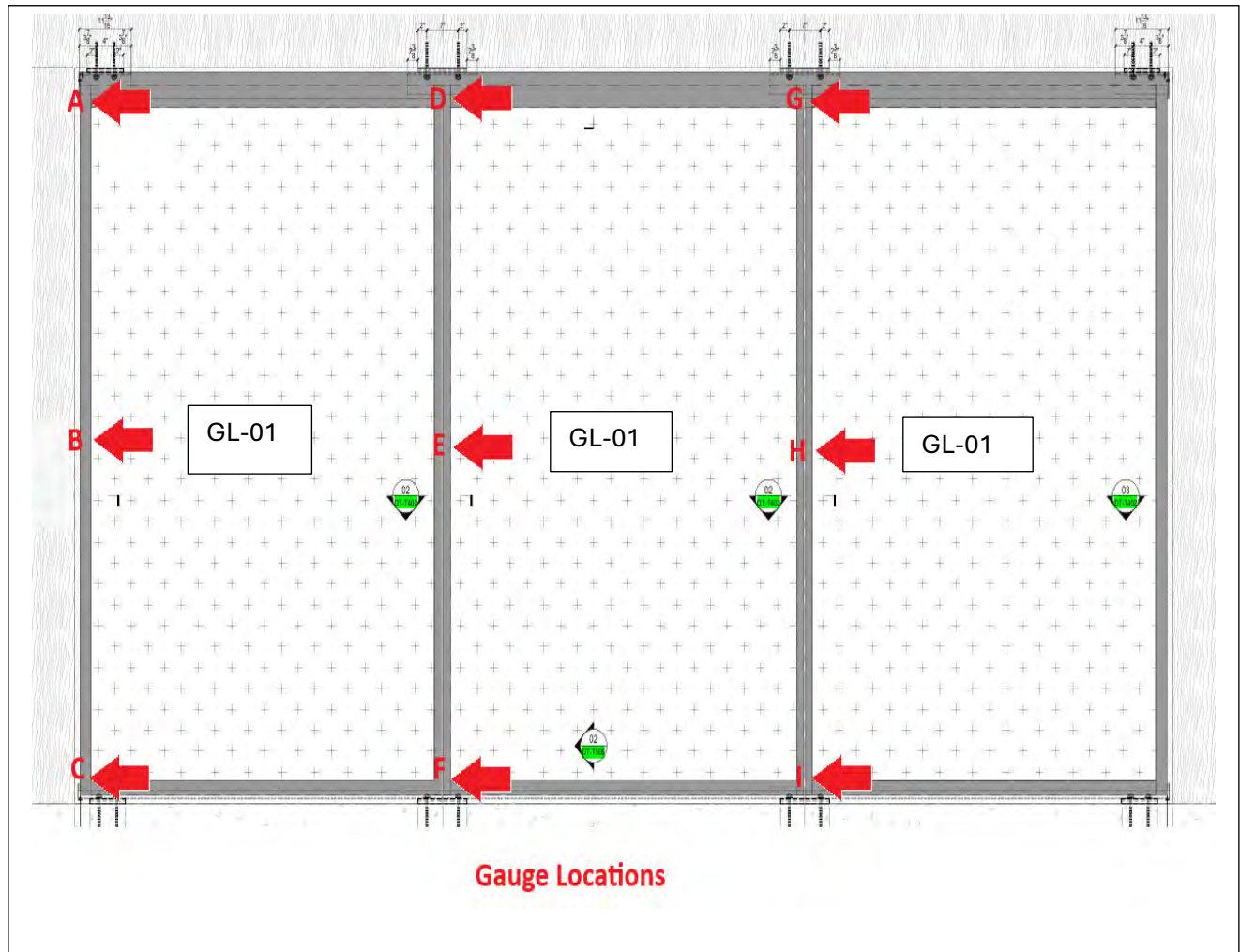
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Test ID: BT-ELG-25-003

SPECIMEN # 15





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MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 203 (Cyclic Load)

Test ID: BT-ELG-25-003

SPECIMEN # 15

#8 TAS 203 (Cyclic Load)

CYCLIC LOAD DATA SHEET					Pd psf									
					High	Low								
					115.00	115.00								
Positive Pressure														
Cycles	Load Range	High Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	A		B		C		D		E	
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)
3500	20% to 50%	57.5	4.42	11.06	0.000	0.063	0.188	0.125	0.000	0.000	0.813	0.125	0.813	0.125
300	0% to 60%	69	0	13.27	0.000	0.000	0.250	0.063	0.063	0.000	0.688	0.000	0.875	0.000
600	50% to 80%	92	11.06	17.69	0.000	0.000	0.250	0.000	0.063	0.000	0.750	0.063	1.000	0.063
100	30% to 100%	115.00	6.63	22.12	0.000	0.000	0.313	0.000	0.063	0.000	778	0.000	1.125	0.063
Negative Pressure														
No. of cycles	Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	A		B		C		D		E	
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)
50	30% to 100%	115	6.63	22.12	0.000	0.000	0.313	0.125	0.063	0.063	0.750	0.125	1.000	0.188
1050	50% to 80%	92	11.06	17.69	0.000	0.000	0.250	0.000	0.063	0.000	0.625	0.000	0.688	0.000
50	0% to 60%	69	0	13.27	0.000	0.000	0.250	0.063	0.063	0.000	0.563	0.000	0.563	0.000
3350	20% to 50%	57.5	4.42	11.06	0.000	0.000	0.188	0.000	0.000	0.000	0.563	0.000	0.625	0.063
Positive Pressure														
No. of cycles	Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	F		G		H		I			
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)		
3500	30% to 100%	57.5	4.42	11.06	0.125	0.063	0.938	0.000	1.125	0.000	0.188	0.000		
300	50% to 80%	69	0.00	13.27	0.063	0.000	0.813	0.000	1.063	0.000	0.188	0.000		
600	0% to 60%	92	11.05769	17.69	0.063	0.000	0.750	0.000	0.875	0.000	0.188	0.000		
100	20% to 50%	115	6.63	22.12	0.125	0.000	0.750	0.125	0.875	0.125	0.125	0.063		
Negative Pressure														
No. of cycles	Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	F		G		H		I			
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)		
50	30% to 100%	115	6.63	22.12	0.125	0.125	0.688	0.188	0.938	0.250	0.188	0.188		
1050	50% to 80%	92	11.06	17.69	0.125	0.000	0.625	0.000	0.813	0.000	0.125	0.000		
50	0% to 60%	69	0	13.27	0.125	0.000	0.563	0.000	0.563	0.000	0.125	0.000		
3350	20% to 50%	57.5	4.42	11.06	0.063	0.000	0.563	0.000	0.563	0.000	0.063	0.000		

ELICC AMERICA CORPORATION
WW-201 SERIES (SMI)

1. GENERAL NOTES

- (1) THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS TO THE 7TH EDITION OF FLORIDA BUILDING CODE (2020) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- (2) FACADE RATED FOR SMALL MISSILE IMPACT.
- (3) THESE FACADES ARE APPROVED FOR AIR AND WATER INFILTRATION.
- (4) ANCHORS SHALL BE AS LISTED. SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- (5) ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- (6) MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 6TH EDITION / 7TH EDITION OF FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- (7) METAL STRUCTURAL AND/ OR WOOD STRUCTURAL BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- (8) ULTIMATE LOAD OBTAINED FROM ASCE 7-10 / ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCEMENT ARE ALLOWABLE DESIGN LOADS.
- (9) SEALANT: ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICON SEALANT.

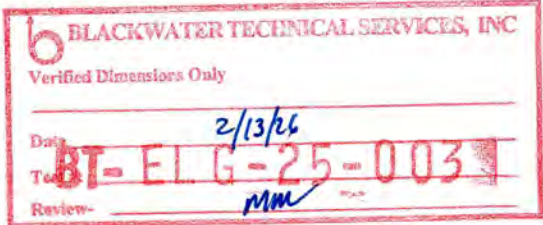
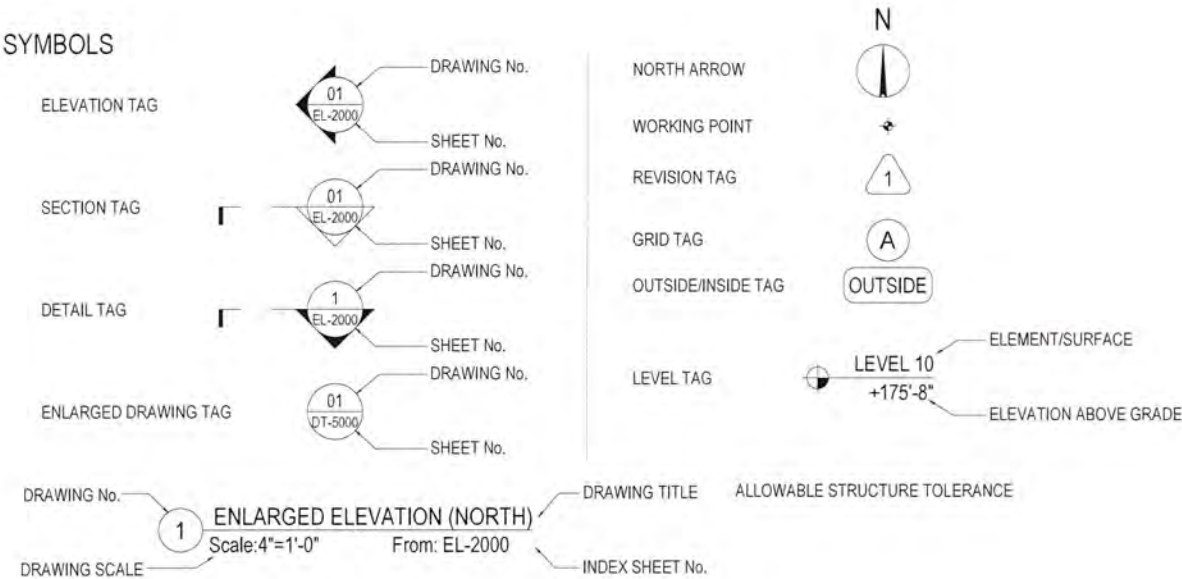
2. INSTRUCTIONS

- USE CHARTS AS FOLLOWS.
- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-16 STANDARD.
- STEP 2: SEE SHEET PE-T302 & PE-T314 FOR APPROVED WINDOW SIZE AND DESIGN LOAD.
- STEP 3: THE LOWEST VALUE RESULTING FROM STEPS 2&3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THOUGH STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

3. ABBREVIATIONS

ST — SELF TAPPING	No. — NUMBER	SQ. — SQUARE
G.M.S. — GALVANIZED MILD STEEL	N.T.S. — NOT TO SCALE	S.S. — STAINLESS STEEL
B.M.U. — BUILDING MAINTENANCE UNIT TIEBACK	PSF — POUNDS PER SQUARE FEET	THK. — THICKNESS
HS — HEAT STRENGTHENED	PVC — POLYVINYLCHLORIDE	TYP. — TYPICAL
FT — FULL TEMPERED	QTY. — QUANTITY	W/ — WITH
DIM. — DIMENSION	GR — GRADE	W.P. — WORK POINT
LG. — LONG	O.C. — ON CENTRAL	C.O. — CLEAR OPENING
MAX. — MAXIMUM	S.F. — SQUARE FEET	F.O. — FRAME OPENING
MIN. — MINIMUM	SIM. — SIMILAR	T.O.S. — TOP OF SLAB
SD — SELF DRILLING	P.H. — PAN HEAD	F.H. — FLAT HEAD
PPC — POLYESTER POWDER COATED	H.W.H. — HEX WASHER HEAD SCREW	

4. SYMBOLS



No.	Date	Description
Revisions:		

Contractor:
Witkoff
40 West 57th Street, Suite 1620
New York, NY 10019
212.672.4700

Design Architect:
Robert A.M Stern Architects LLP
One Park Avenue
New York, NY 10016
212.967.5100

Facade Consultant:

Issued By:



ELICC AMERICAS CORPORATION
13475 DANIELSON ST.
POWAY, CA 92064
Tel: (760)-233-0066
Fax: (760)-233-0065

Approved By:

Checked By:

Design Team:

Project: Shore Club
1901 Collins Ave.,
Miami Beach, FL 33139

Title:

GENERAL NOTES

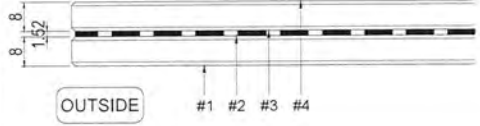
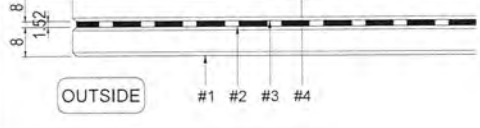
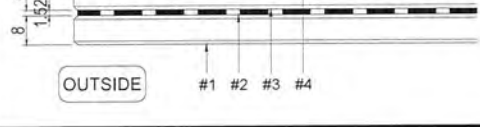
Sheet No.: GN-T001

Date: Feb. 9, 2026 Revision No.: -

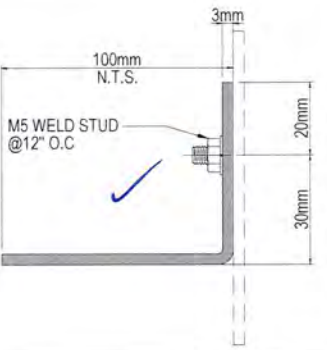
Scale: 1'-0"=1'-0" Size: 22"x34"

Phase: Testing Drawing

1.MATERIAL LIST OF GLASS (REFER TO THE APPROVED SAMPLE)

LEGEND NUMBER	MATERIAL DESCRIBE	SECTION
✓ GL-01	GL-01 VISION GLASS : HS8 Clear + 1.52 PVB + HS8 Clear	
✓ GL-01A	GL-01A VISION GLASS : FT8 Clear + 1.52 SGP + FT8 Clear	
✓ GL-01B	GL-01B VISION GLASS : FT8 Clear + 1.52 PVB + FT8 Clear	

2.MATERIAL LIST OF ALUM. PANEL

LEGEND NUMBER	MATERIAL DESCRIPTION	SECTION
AP-01	3mm THICK ALUMINUM PANEL ALLOY: 3003-H14 FINISH: NON-CHROMATE	
AP-01a	3mm THICK ALUM. STIFFENER FINISH: NON-CHROMATE	

Job No.:

Key Plan/Elevation:



No.	Date	Description
-----	------	-------------

Revisions:

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Facade Consultant:

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Approved By:

Checked By:

Design Team:

Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139

Title:
MATERIAL LIST
(GLASS & METAL SCHEDULE)

Sheet No.: MA-T101

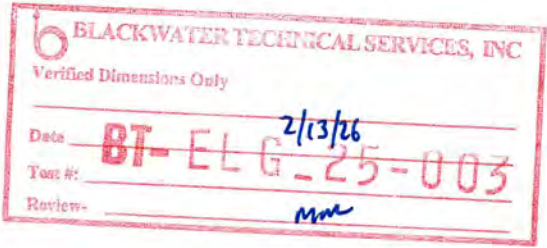
Date: Feb. 9, 2026

Revision No.: -

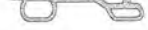
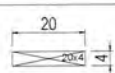
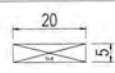
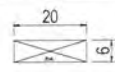
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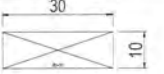
Size: 22"x34"

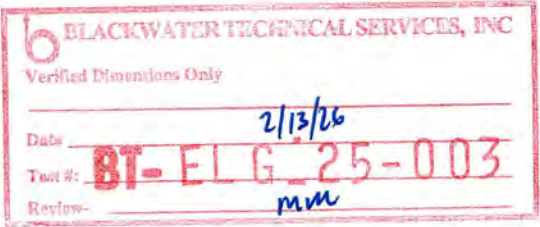
Phase: Testing Drawing



3.MATERIAL LIST OF GASKET AND THERMAL BREAK AND SETTING-BLOCK

TAG	DIAGRAM	SCALE	DIE NO.	MATERIAL/COLOR/DUROMETER
GA011-- NEW DIE		1:1	GA011-- NEW DIE	SILICONE (BLACK)A65°±5°
GA02106		1:1	GA02106	SILICONE (BLACK)A65°±5°
GA05201A		1:1	GA05201A	EPDM FOAM (BLACK) A30±5°
GA05101		1:1	GA05101	SILICONE (BLACK)A65°±5°
GA05102		1:1	GA05102	SILICONE (BLACK)A65°±5°
GA05103		1:1	GA05103	SILICONE (BLACK)A65°±5°
GA05104		1:1	GA05104	SILICONE (BLACK)A65°±5°
GA05168		1:1	GA05168	SILICONE (BLACK)A65°±5°
GA05181		1:1	GA05181	SILICONE (BLACK)A65°±5°
GA07149		1:2	GA07149	SILICONE (BLACK)A65°±5°
GA13101		1:1	GA13101	PA66+GF25 D80°±5°
GA12108		1:1	GA12108	PA66+25%GF D80°±5°
GA01139		1:1	GA01139	SILICONE (BLACK)A65°±5°
GA01140		1:1	GA01140	SILICONE (BLACK)A65°±5°
GA01144		1:1	GA01144	SILICONE (BLACK)A65°±5°
GA01150		1:1	GA01150	SILICONE (BLACK)A65°±5°
GA01240		1:1	GA01240	SILICONE (BLACK)A65°±5°
G02		1:1	15×3	SILICONE (BLACK)A85°±5°
G03		1:1	20×4	SILICONE (BLACK)A85°±5°
G04		1:1	20×5	SILICONE (BLACK)A85°±5°
G05		1:1	20×6	SILICONE (BLACK)A85°±5°

TAG	DIAGRAM	SCALE	DIE NO.	MATERIAL/COLOR/DUROMETER
G08		1:1	25×10	SILICONE (BLACK)A85°±5°
G09		1:1	30×10	SILICONE (BLACK)A85°±5°



Job No.:

Key Plan/Elevation:



No.	Date	Description
-----	------	-------------

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Approved By:

Checked By:

Design Team:

Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139

Title:
MATERIAL LIST
(GASKET SCHEDULE)

Sheet No.: MA-T102

Date: Feb. 9,2026

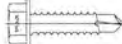
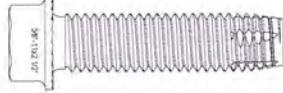
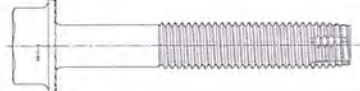
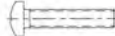
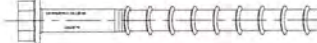
Revision No.: -

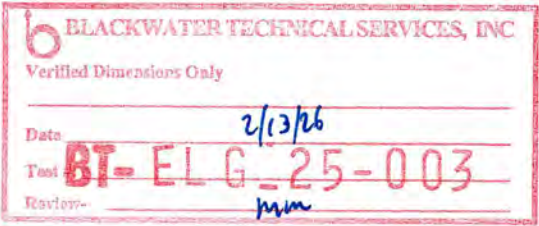
Scale: 1'-0"=1'-0"

Size: 22"x34"

Phase: Testing Drawing

4.MATERIAL LIST OF FASTENERS

TAG	DIAGRAM	DESCRIPTION	GRADE	MATERIAL/FINISH
F1444		M10X40mm H.H. BOLT (FULL THREAD) W/ SPRING WASHER AND NUT	S.S. 316	STAINLESS STEEL
F1446		M10X50mm H.H. BOLT (FULL THREAD) W/ SPRING WASHER AND NUT	S.S. 316	STAINLESS STEEL
F1448		M10X60mm H.H. BOLT (FULL THREAD) W/ SPRING WASHER AND NUT	S.S. 316	STAINLESS STEEL
F2448		ST6.3x38mm H.W.H. S.T. SCREW	S.S. 316	STAINLESS STEEL
F3007		ST4.2x13mm PH. S.D. SCREW	S.S. 316	STAINLESS STEEL
F3008		ST4.2x16mm PH. S.D. SCREW	S.S. 316	STAINLESS STEEL
F3009		ST4.2x19mm PH. S.D. SCREW	S.S. 316	STAINLESS STEEL
F3220		ST4.8x19mm FH. S.D. SCREW	S.S. 316	STAINLESS STEEL
F3441		ST6.3x25mm H.W.H. SD, SCREW	S.S. 316	STAINLESS STEEL
F3601		5/8"-11 x 2 1/2" H.W.H TAPFLEX BOLT	GRADE 5: MEETS ASTM 449 SPECIFICATIONS (120KSI STRENGTH)	MATERIAL: ALLOY STEEL FINISH: SILVER STALGARD ® GB COATING
F3604		5/8"-11 x 4" H.W.H TAPFLEX BOLT	GRADE 5: MEETS ASTM 449 SPECIFICATIONS (120KSI STRENGTH)	MATERIAL: ALLOY STEEL FINISH: SILVER STALGARD ® GB COATING
F4007		M5X25mm CROSS RECESSED PAN HEAD SCREW	S.S. 316	STAINLESS STEEL
F02		HILTI KH-EZ 1/2"X6" CONCRETE BOLT	-	GALVANIZED ALLOY STEEL



Job No.:
Key Plan/Elevation:


No.	Date	Description
Revisions:		

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Checked By:

Design Team:

Project: Shore Club
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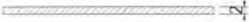
Title:
MATERIAL LIST
(FASTENER SCHEDULE)

Sheet No.: MA-T103

Date: Feb. 9, 2026	Revision No.: -
Scale: 1'-0"=1'-0"	Size: 22"x34"

Phase: Testing Drawing

5.MISCELLANEOUS MATERIAL LIST

M01	SOFT BACKER ROD MATERIAL: BI-CELLUAR POLYETHYLENE FOAM	
M02	DOUBLE SIDE TAPE MATERIAL: CLOSED-CELL POLYVINYL CHLORIDE FOAM	
M04	2mm THICK SILICONE SHEET	
M06	ALONE SIDE TAPE MATERIAL: CLOSED-CELL POLYVINYL CHLORIDE FOAM	

6.SEALANT MATERIAL LIST

S01	SILICONE WEATHERPROOFING SEALANT BRAND: DOW TYPE: DOWSIL 791 COLOR: BLACK	
S01a	SILICONE WEATHERPROOFING SEALANT BRAND: DOW TYPE: DOWSIL 791 COLOR: WHITE	
S02	STRUCTURAL SEALANT (SHOP APPLIED) BRAND: DOW TYPE: DOWSIL 983 COLOR: BLACK	

Job No.:

Key Plan/Elevation:



No.	Date	Description
-----	------	-------------

Revisions:

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Checked By:

Design Team:

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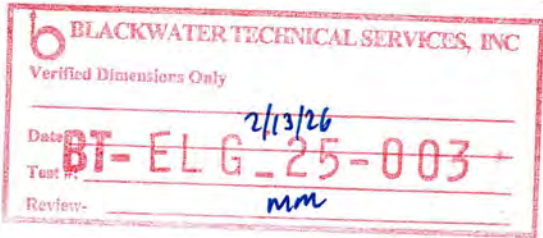
Title:
MATERIAL LIST
(MISCELLANEOUS MATERIAL)

Sheet No.: MA-T104

Date: Feb. 9,2026 Revision No.: -

Scale: 1'-0"=1'-0" Size: 22"x34"

Phase: Testing Drawing



LOCATION: L3-TOP WINDOW WALL

NEW DIE

DIE NO.: EW01008
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: MALE MULLION
COLOR: -

LEGEND: POWDER COAT

LOCATION: L3-TOP WINDOW WALL

NEW DIE

DIE NO.: EW02008
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: FEMALE MULLION
COLOR: -

LEGEND: POWDER COAT

LOCATION: TOWER L4-L8 WEST CORNER WINDOW WALL
LOCATION: TOWER L9-L15 BAY WINDOW CURTAIN WALL

NEW DIE

DIE NO.: EN01054
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: CORNER MULLION
COLOR: -

LEGEND: POWDER COAT

LOCATION: TOWER L4-L8 WEST CORNER WINDOW WALL
LOCATION: TOWER L9-L15 BAY WINDOW CURTAIN WALL

NEW DIE

DIE NO.: EN02054
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: CORNER MULLION
COLOR: -

LEGEND: POWDER COAT

NEW DIE

DIE NO.: EN02055
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: CORNER FEMALE MULLION
COLOR: -

LEGEND: POWDER COAT

NEW DIE

DIE NO.: ES14010
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: MULLION ADAPTING PIECE
COLOR: -

LEGEND: POWDER COAT

LOCATION: L3-TOP WINDOW WALL

NEW DIE

DIE NO.: EW16008
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: HEAD TRANSOM
COLOR: -

LEGEND: POWDER COAT

LOCATION: L3-TOP WINDOW WALL

NEW DIE

DIE NO.: EW13018
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: TRIM
COLOR: -

LEGEND: POWDER COAT

LOCATION: L3-TOP WINDOW WALL

NEW DIE

DIE NO.: EW16009
MATERIAL: 6005A-T61
FINISH: NON-CHROMATE
PURPOSE: SLEEVE
COLOR: -

LEGEND: POWDER COAT

LOCATION: L3-TOP WINDOW WALL

NEW DIE

DIE NO.: EW13019
MATERIAL: 6005A-T61
FINISH: NON-CHROMATE
PURPOSE: SLEEVE
COLOR: -

LEGEND: POWDER COAT

LOCATION: L3-TOP WINDOW WALL

NEW DIE

DIE NO.: EW04008
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: HEAD TRANSOM
COLOR: -

LEGEND: POWDER COAT

LOCATION: L3-TOP WINDOW WALL

NEW DIE

DIE NO.: ES06011
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: INTERMEDIATE TRANSOM
COLOR: -

LEGEND: POWDER COAT

LOCATION: L3-TOP WINDOW WALL

NEW DIE

DIE NO.: EW05008
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: BOTTOM TRANSOM
COLOR: -

LEGEND: POWDER COAT

LOCATION: L1-TOP WINDOW WALL

NEW DIE

DIE NO.: EW13021
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: CAP
COLOR: -

LEGEND: POWDER COAT

LOCATION: L1-TOP WINDOW WALL

NEW DIE

DIE NO.: EW15002
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: ALUMINUM BRACKET
COLOR: -

LEGEND: POWDER COAT

BLACKWATER TECHNICAL SERVICES, INC.
Verified Dimensions Only
2/13/26
BT-ELG-25-003
mm

Job No.:

Key Plan/Elevation:

No.	Date	Description
Revisions:		

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Approved By:

Checked By:

Design Team:

Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139

Title:
MATERIAL LIST
(ALUMINUM EXTRUSION SCHEDULE)

Sheet No.: MA-T105

Date: Feb. 9, 2026	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

Phase: Testing Drawing

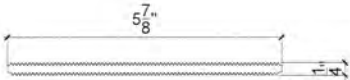


LOCATION: L3-TOP UHPC

NEW DIE

DIE NO.: 109719
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: ALUMINUM TUBE
COLOR: -

LEGEND:	POWDER COAT
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DIE NO.: EN23004

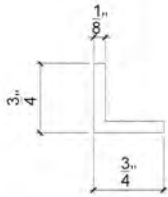
MATERIAL: 6063-T5

FINISH: NON-CHROMATE

PURPOSE: SERRATED SHIM

COLOR: -

LEGEND:	POWDER COAT
---------	-------------



SCALE: 1'-0"=1'-0"

DIE NO.: 1307

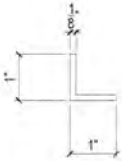
MATERIAL: 6063-T5

FINISH: NON-CHROMATE

PURPOSE: ANGLE

COLOR: -

LEGEND:	POWDER COAT
---------	-------------



DIE NO.: 1308

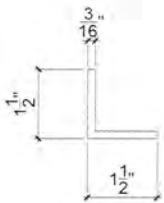
MATERIAL: 6063-T5

FINISH: NON-CHROMATE

PURPOSE: ANGLE

COLOR: -

LEGEND:	POWDER COAT
---------	-------------



DIE NO.: 200090

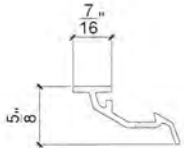
MATERIAL: 6063-T5

FINISH: NON-CHROMATE

PURPOSE: ANGLE

COLOR: -

LEGEND:	POWDER COAT
---------	-------------



SCALE: 1'-0"=1'-0"

DIE NO.: EW12002

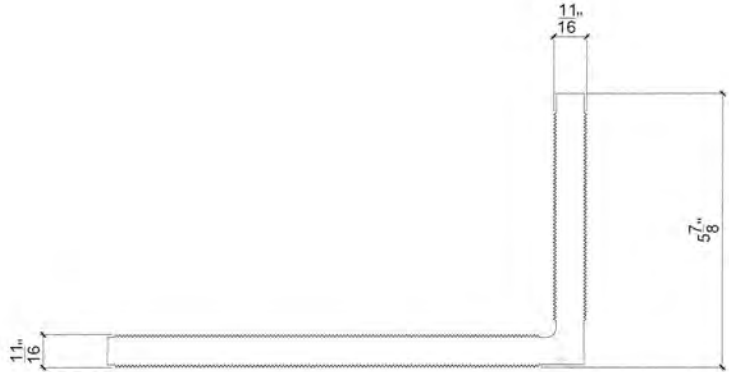
MATERIAL: 6063-T6

FINISH: NON-CHROMATE

PURPOSE: ANTI-BUCKLING CLIP

COLOR: -

LEGEND:	POWDER COAT
---------	-------------



DIE NO.: EN51007

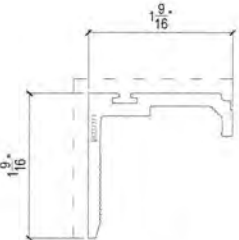
MATERIAL: 6005A-T61

FINISH: NON-CHROMATE

PURPOSE: SERRATED ANGLE

COLOR: -

LEGEND:	POWDER COAT
---------	-------------



LOCATION: TOWER L9-L15 BAY WINDOW CURTAIN WALL

NEW DIE

DIE NO.: EW31004

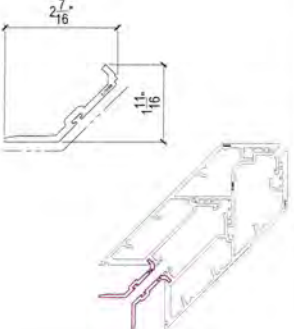
MATERIAL: 6063-T5

FINISH: NON-CHROMATE

PURPOSE: TRIM

COLOR: -

LEGEND:	POWDER COAT
---------	-------------



NEW DIE

DIE NO.: EW31006

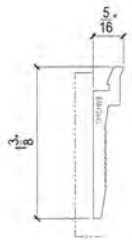
MATERIAL: 6063-T5

FINISH: NON-CHROMATE

PURPOSE: TRIM

COLOR: -

LEGEND:	POWDER COAT
---------	-------------



SCALE: 1'-0"=1'-0"

LOCATION: TOWER L3-L17 UHPC

NEW DIE

DIE NO.: EW13017

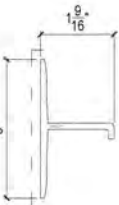
MATERIAL: 6063-T5

FINISH: NON-CHROMATE

PURPOSE: TRIM

COLOR: -

LEGEND:	POWDER COAT
---------	-------------



LOCATION: L3-TOP WINDOW WALL

NEW DIE

DIE NO.: EW31008

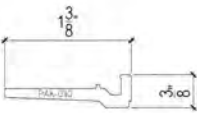
MATERIAL: 6063-T5

FINISH: NON-CHROMATE

PURPOSE: TRIM

COLOR: -

LEGEND:	POWDER COAT
---------	-------------



SCALE: 3"=1'-0"

DIE NO.: PAK-030

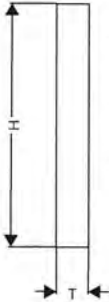
MATERIAL: 6005A-T61

FINISH: NON-CHROMATE

PURPOSE: SETTING BLOCK CHAIR

COLOR: -

LEGEND:	POWDER COAT
---------	-------------



GALVANIZED STEEL BAR FOR MULLION REINFORCING

Types:
3/8"x4 1/2"
3/8"x3 7/8"
3/8"x3"
5/16"x 2"

BLACKWATER TECHNICAL SERVICES, INC

Verified Dimensions Only

Date: 2/13/24

Test #: BT-ELG-25-003

Revision: mm

BT-ELG-25-003

Job No.:

Key Plan/Elevation:



No.	Date	Description
Revisions:		

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Approved By:

Checked By:

Design Team:

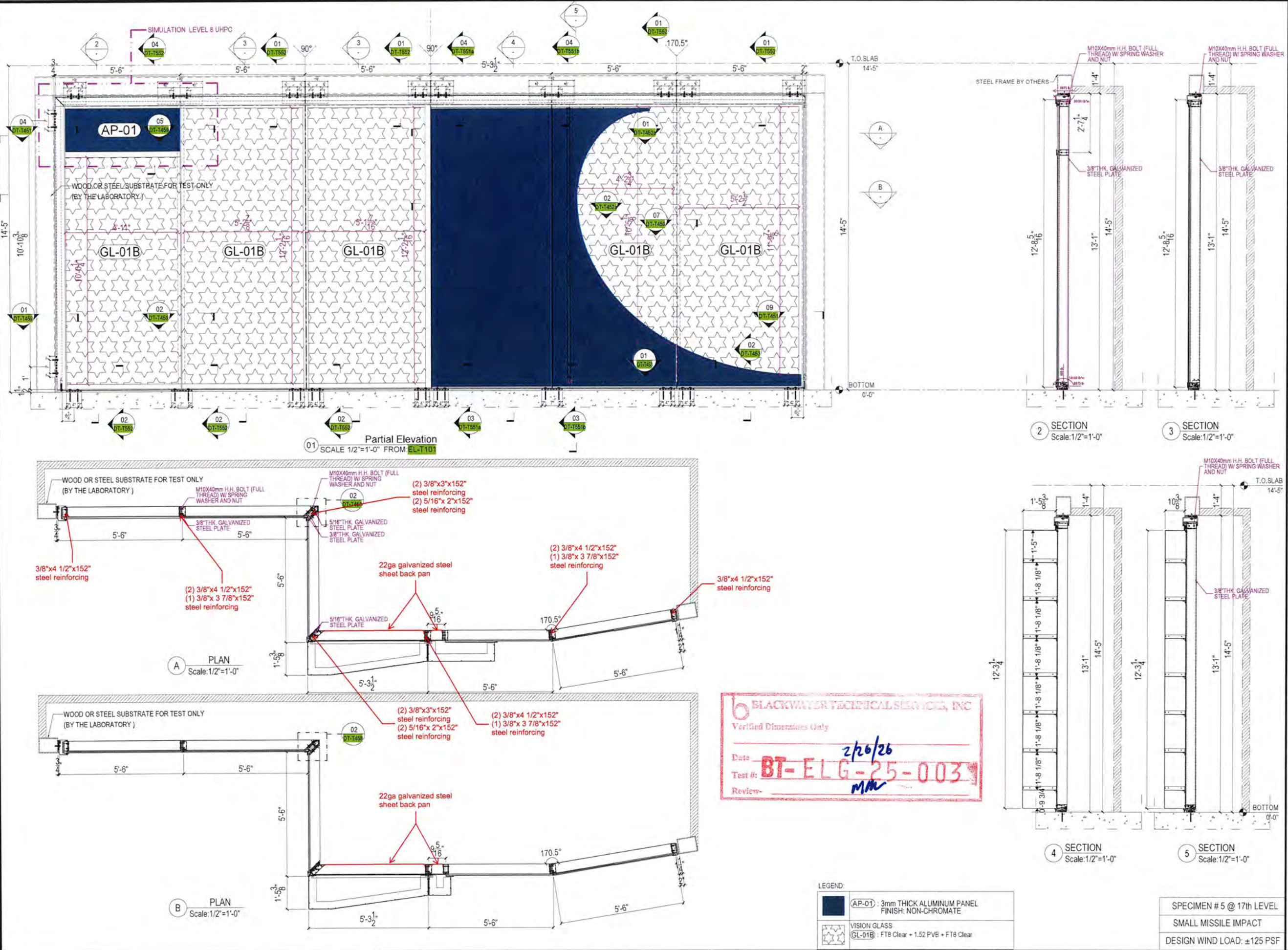
Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139

Title:
MATERIAL LIST
(ALUMINUM EXTRUSION SCHEDULE)

Sheet No.: MA-T106

Date: Feb. 9, 2026	Revision No.: -
Scale: 6"=1'-0"	Size: 22"x34"

Phase: Testing Drawing



Job No.:
Key Plan/Elevation:

No.	Date	Description
Revisions:		

Contractor:
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Approved By:

Checked By:

Design Team:

Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139

Title:
SMALL MISSILE IMPACT TESTING ELEVATION

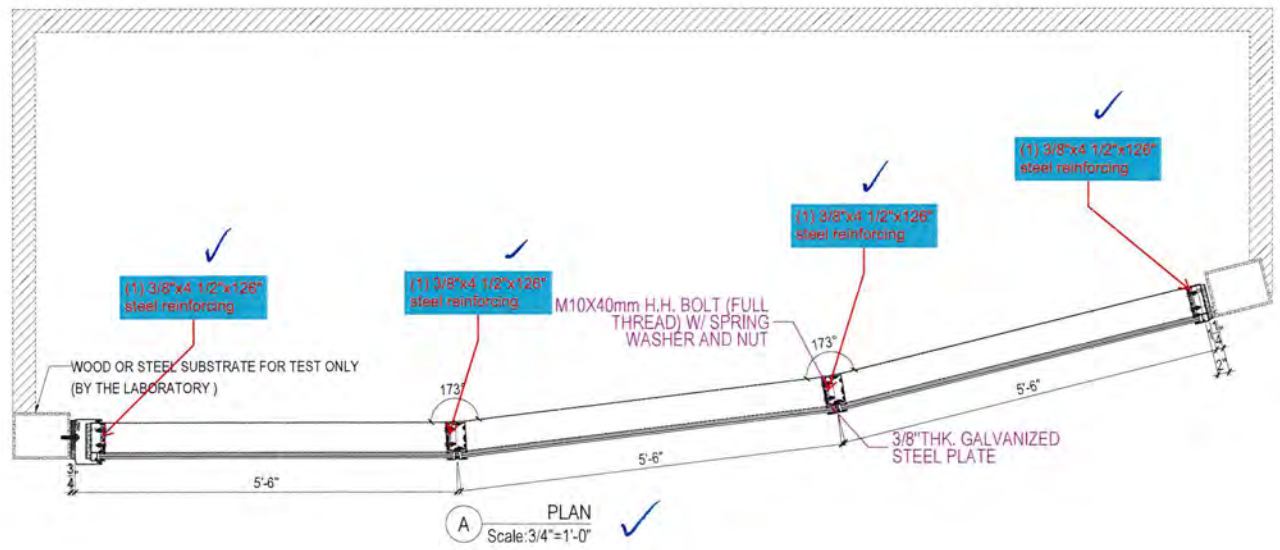
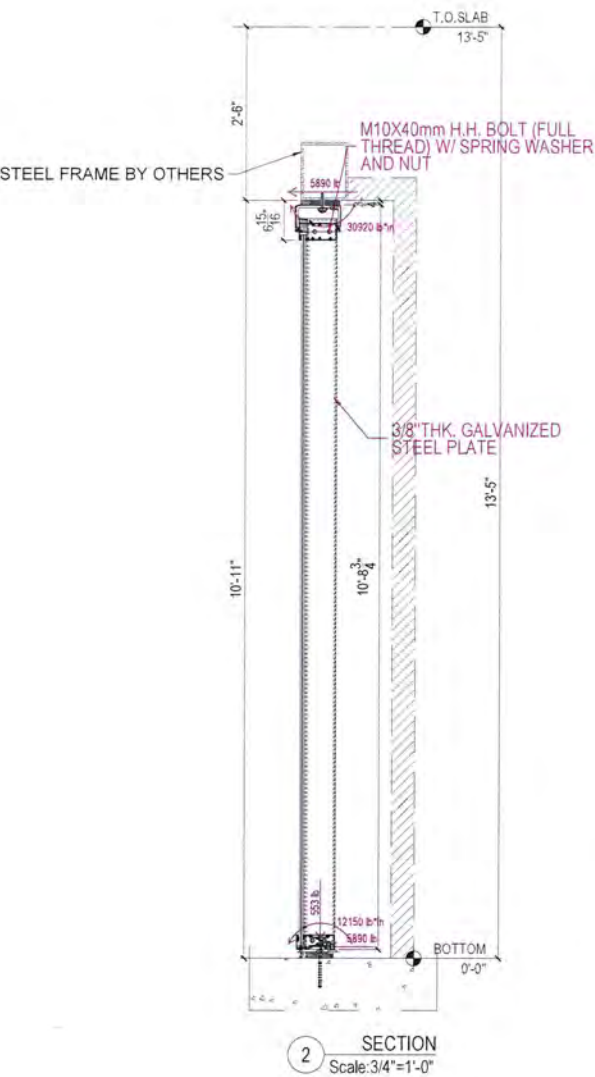
Sheet No.: PE-T305

Date:	Revision No.:
Feb. 9, 2026	-

Scale: 1/2"=1'-0"

Size: 22"x34"

Phase: TEST DRAWINGS



BLACKWATER TECHNICAL SERVICES, INC.
Verified Dimensions Only
Date: 2/13/26
Test #: BT-ELG-25-003
Review: mm

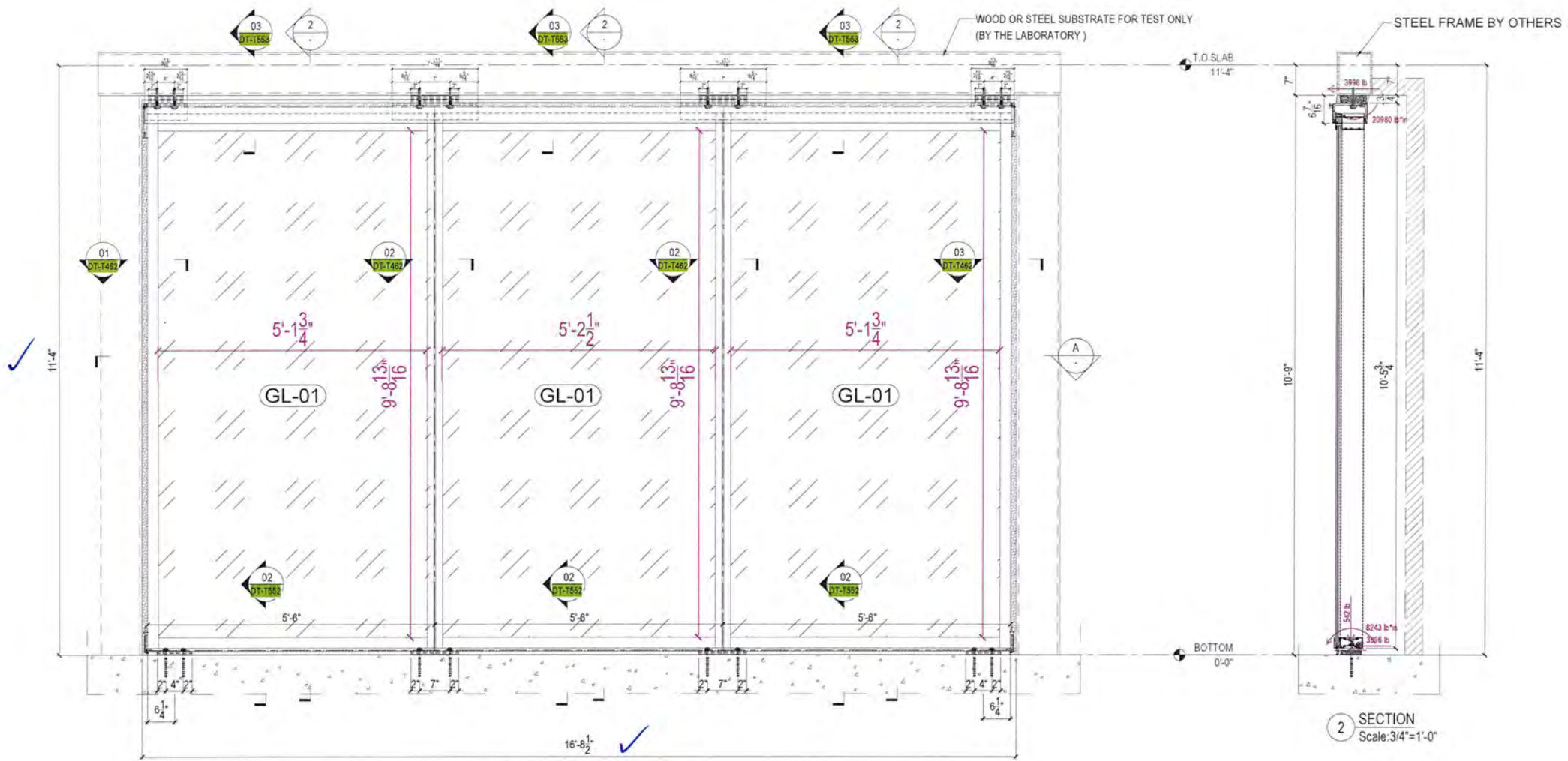
SPECIMEN # 06 @ 12th LEVEL
SMALL MISSILE IMPACT
DESIGN WIND LOAD: ±150 PSF

LEGEND:
VISION GLASS
GL-01A : FT8 Clear + 1.52SGP + FT8 Clear

Job No.:
Key Plan/Elevation:

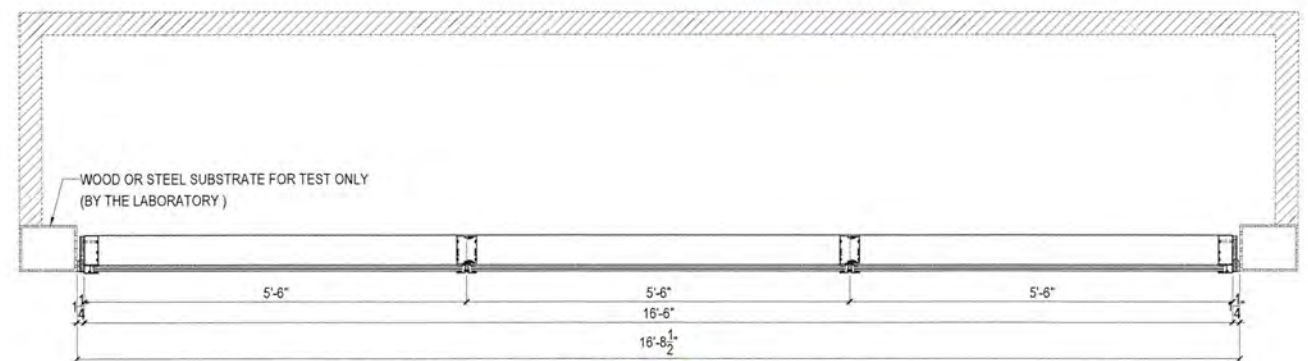
No. Date Description
Revisions:
Contractor:
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Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139
Title:
SMALL MISSILE IMPACT
TESTING ELEVATION
Sheet No.: PE-T306
Date: Feb. 9, 2026 Revision No.: -
Scale: 3/4"=1'-0" Size: 22"x34"
Phase: TEST DRAWINGS



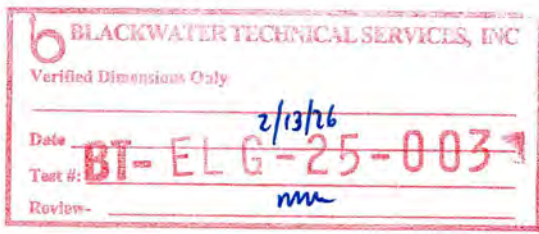
01 Partial Elevation
Scale: 3/4"=1'-0" FROM EL-T101

NO REINFORCEMENT



A PLAN
Scale: 3/4"=1'-0"

2 SECTION
Scale: 3/4"=1'-0"



SPECIMEN # 14 @ 11th LEVEL
SMALL MISSILE IMPACT
DESIGN WIND LOAD: ±90 PSF

LEGEND:

	VISION GLASS
	(GL-01) : HS8 Clear + 1.52PVB + HS8 Clear

Job No.:

Key Plan/Elevation:

No.	Date	Description
Revisions:		

Contractor:
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Checked By:

Design Team:

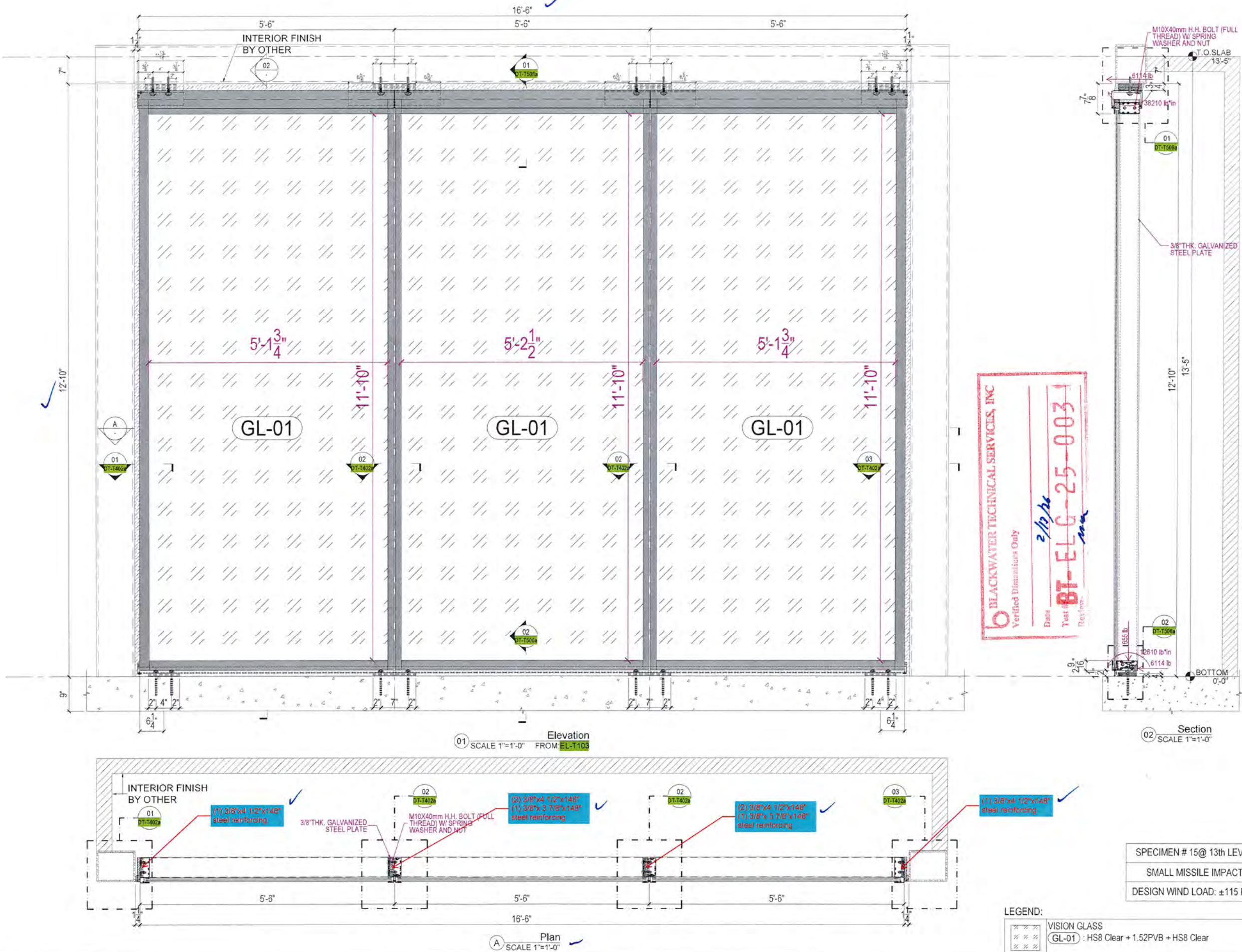
Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139

Title:
SMALL MISSILE IMPACT
TESTING ELEVATION

Sheet No.: PE-T314

Date: Feb. 9, 2026	Revision No.: -
Scale: 3/4"=1'-0"	Size: 22"x34"

Phase: TEST DRAWINGS



No.	Date	Description
Revisions:		

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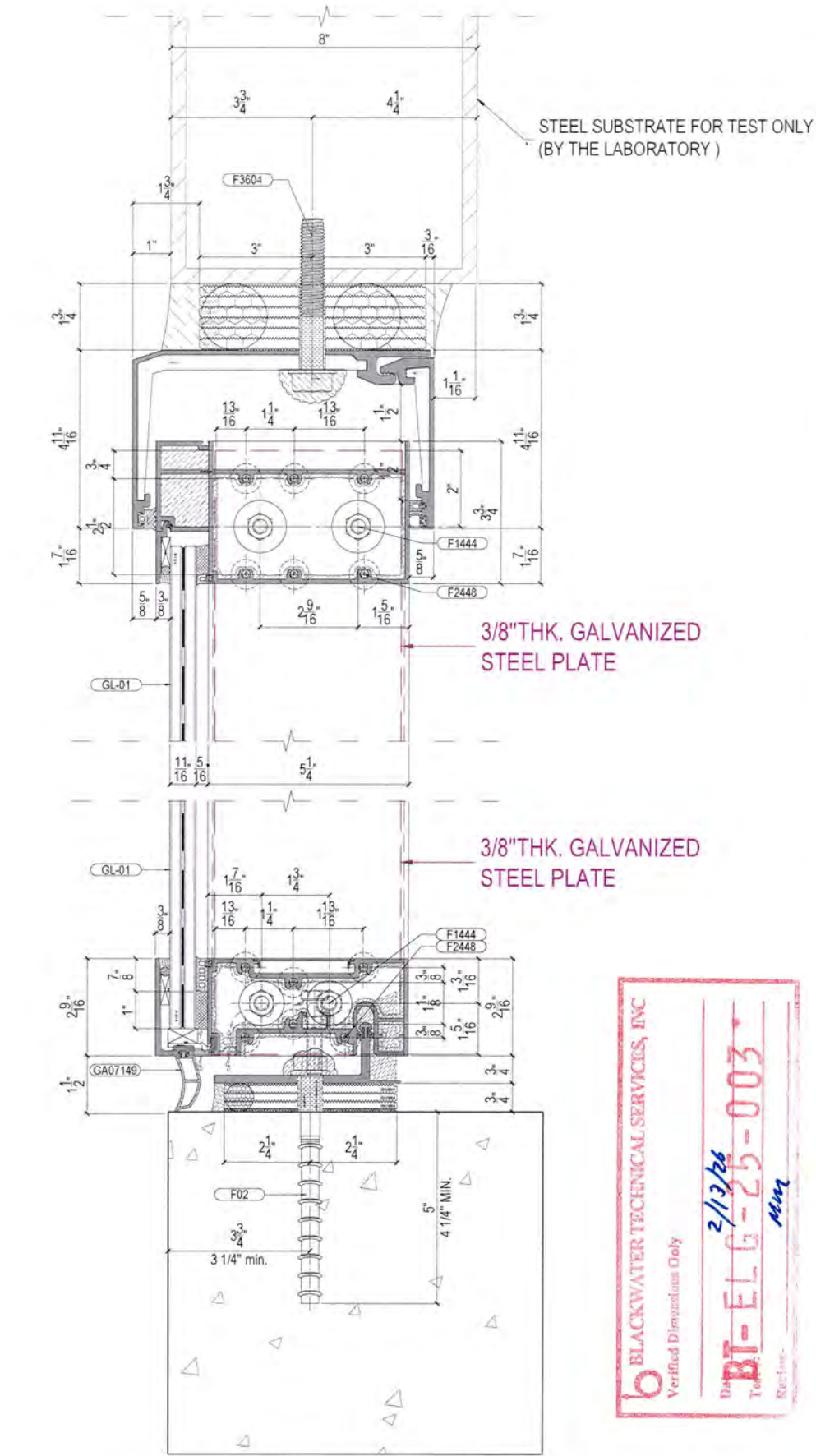
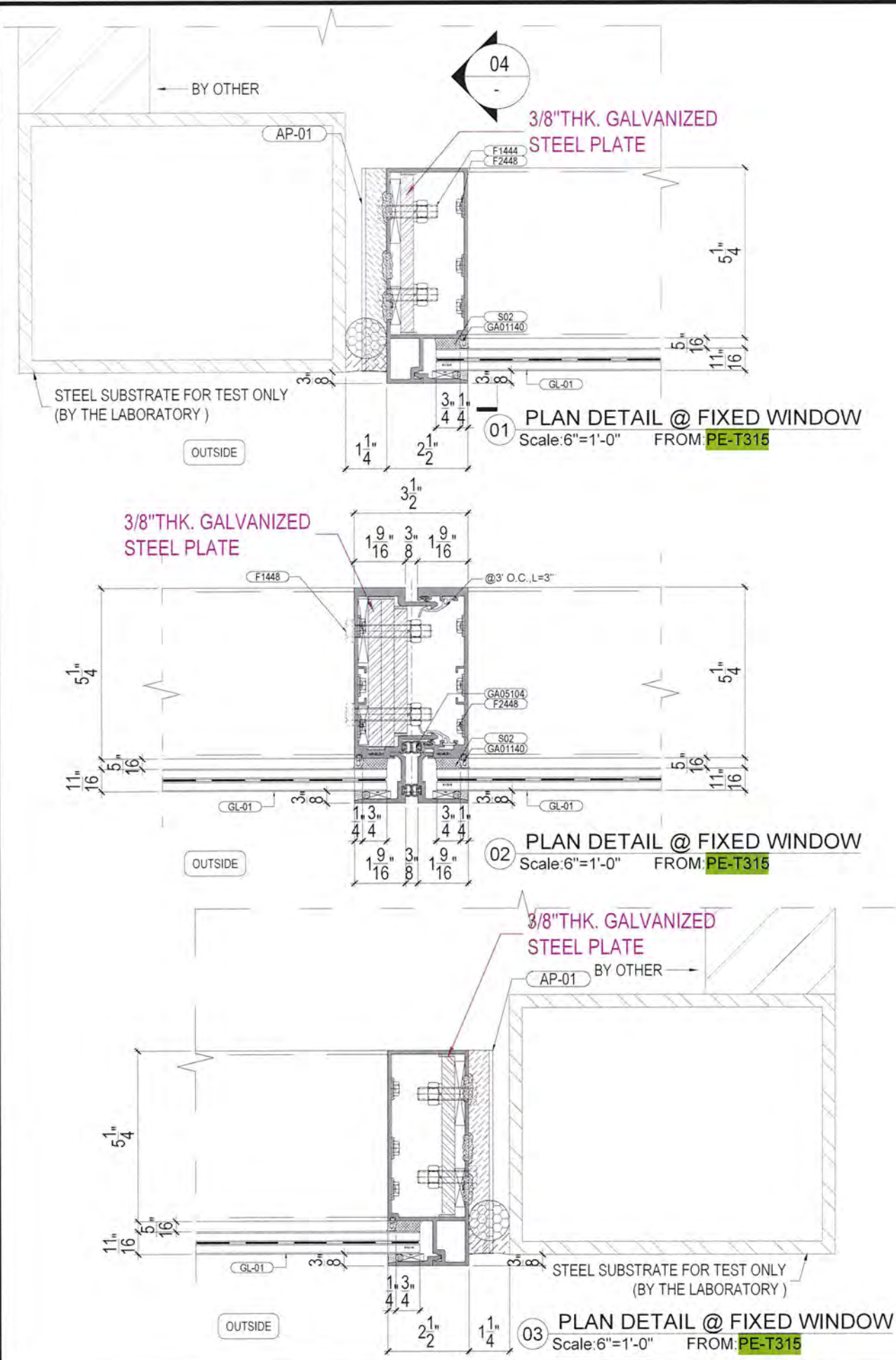
Title:
SMALL MISSILE IMPACT
TESTING ELEVATION

Sheet No.: PE-T315

Date: Feb. 9, 2026 Revision No.: -

Scale: 1"=1'-0" Size: 22"x34"

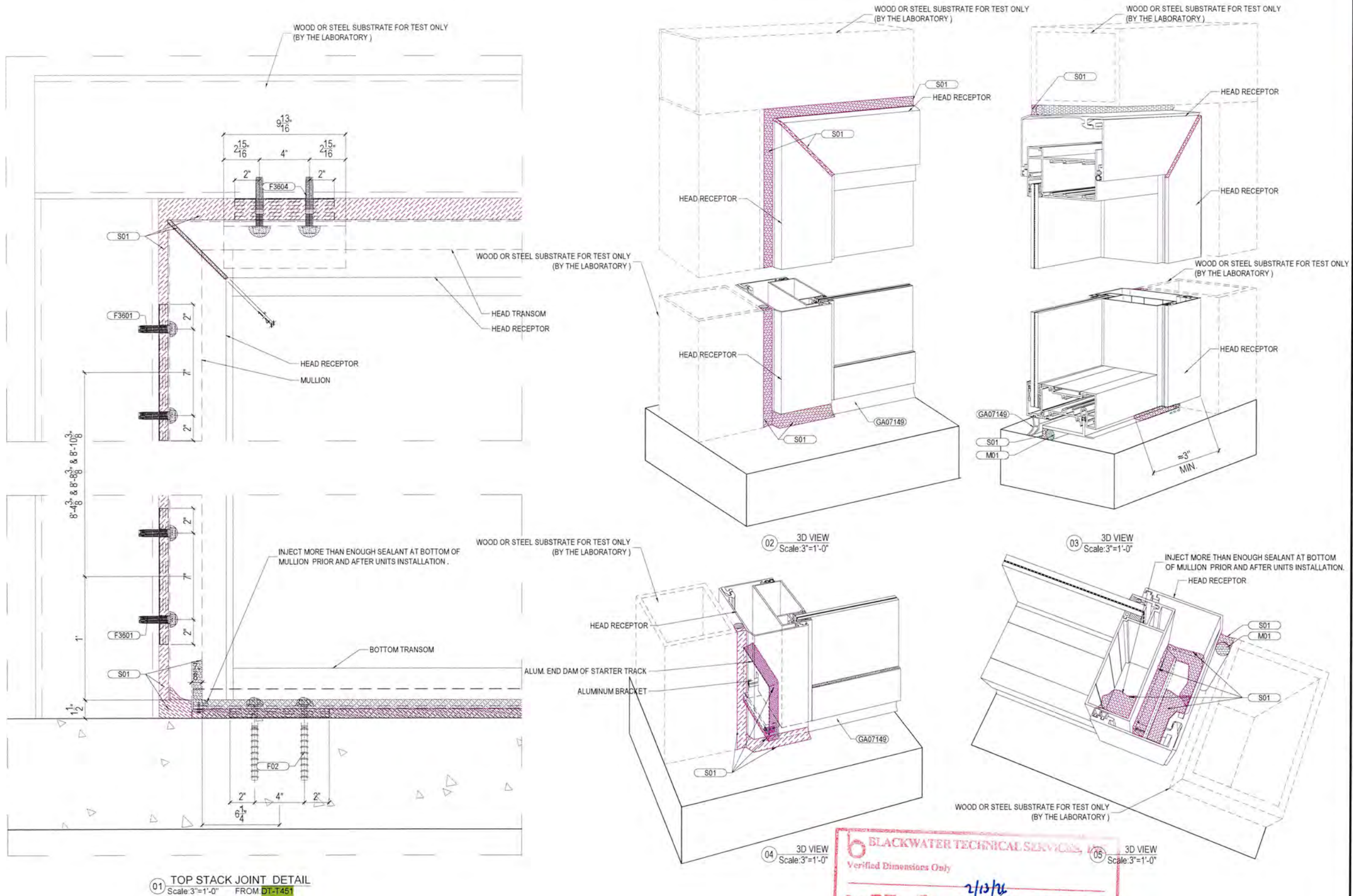
Phase: TEST DRAWINGS



Job No.:

Key Plan/Elevation:





BLACKWATER TECHNICAL SERVICES
Verified Dimensions Only
Date: **BT-ELG-25-003**
Test #:
Review: *mm*

Job No.:
Key Plan/Elevation:

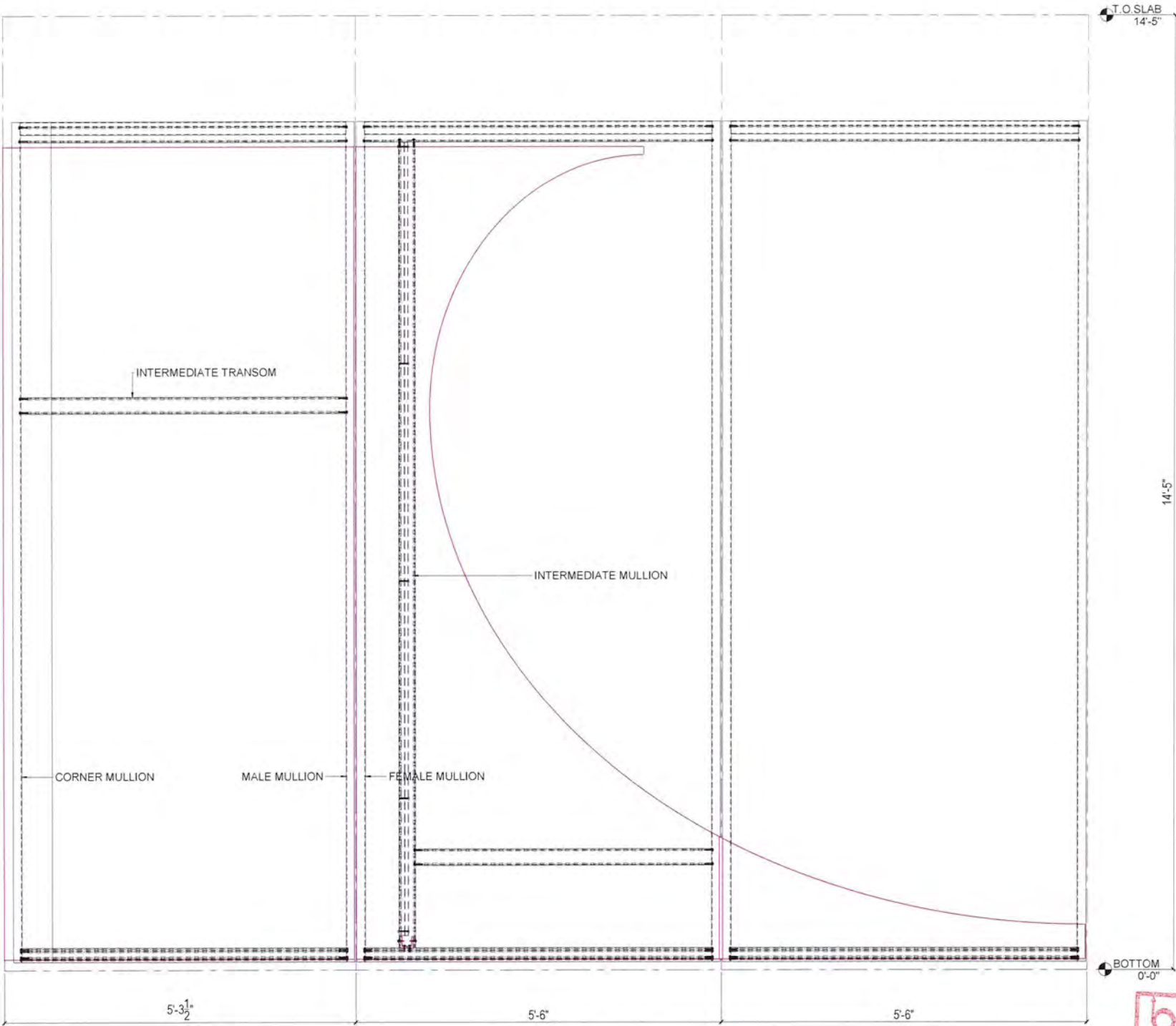
No. Date Description
Revisions:
Contractor:
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Approved By:
Checked By:
Design Team:
Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139
Title:
TOP STACK JOINT 3D DETAIL
Sheet No.: DT-T451a
Date: Feb. 9, 2026 Revision No.: -
Scale: 3"=1'-0" Size: 22"x34"
Phase: TEST DRAWINGS

6 BLACKWATER TECHNICAL SERVICES, INC.
Verified Dimensions Only
Date: 2/13/16
Test: BT-ELG-25-003
Review: mn



Phase: TEST DRAWINGS



01 FPA UNIT FRAME
SCALE 1"=1'-0"



Job No.:

Key Plan/Elevation:



No. Date Description

Revisions:

Contractor:

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Checked By:

Design Team:

Project: Shore Club
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Miami Beach, FL 33139

Title:
FPA UNIT FRAME

Sheet No.: DT-T452c

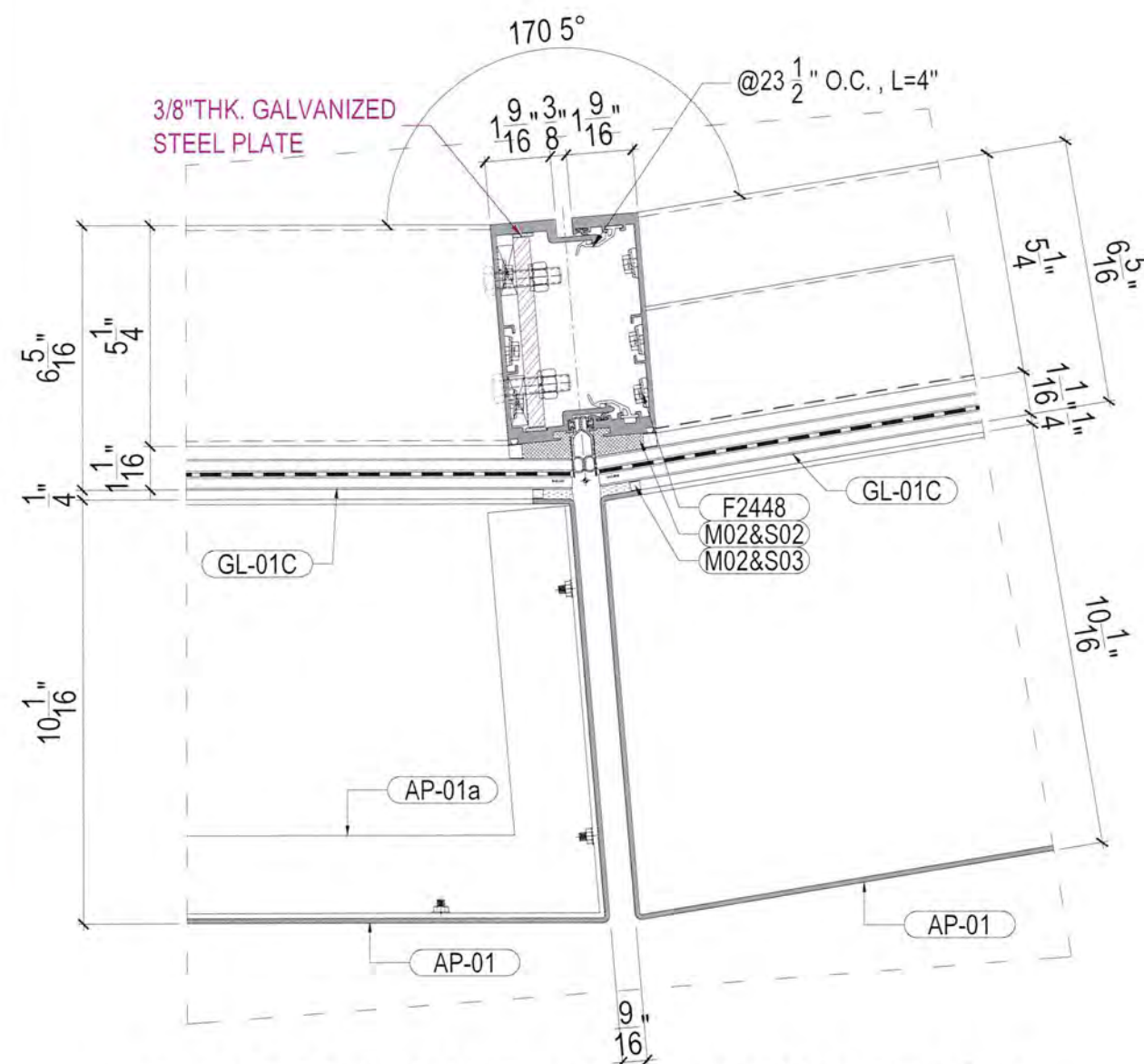
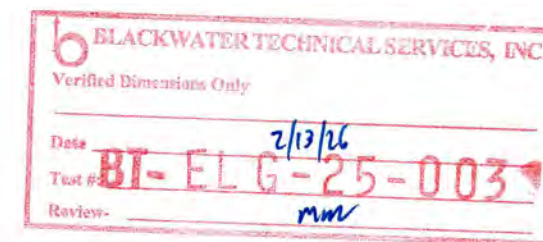
Date: Feb. 9, 2026

Revision No.: -

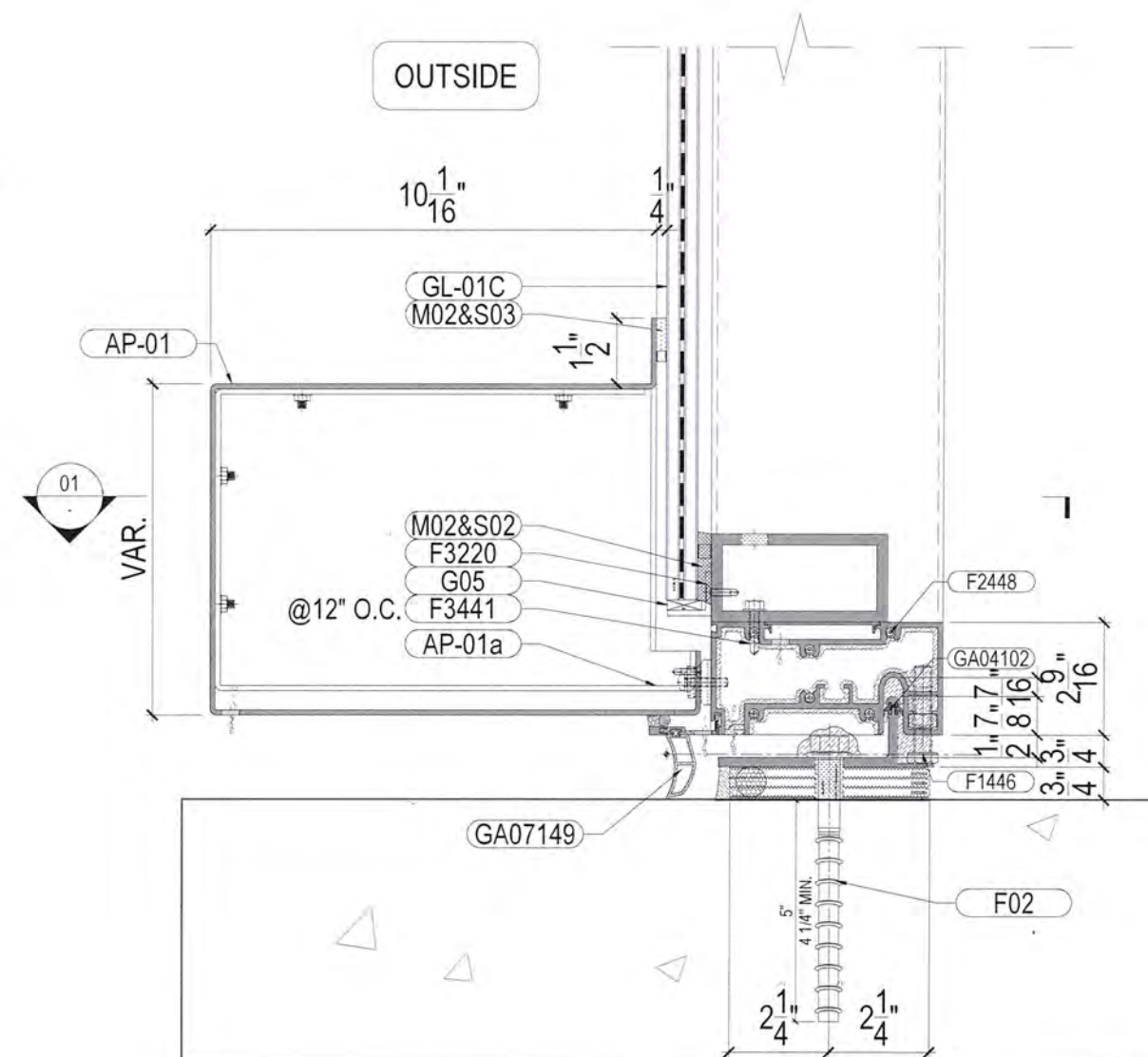
Scale: 1"=1'-0"

Size: 22"x34"

Phase: TEST DRAWINGS



01 PLAN DETAIL @ UHPC PANEL & FIXED WINDOW
SCALE: 6"=1'-0" FROM: PE-T304



02 BOTTOM OF UHPC PANEL/ UHPC PANEL
SCALE: 6"=1'-0" FROM:PE-T304

Job No.:

Key Plan/Elevation:



No.	Date	Description
Revisions:		

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Approved By:

Checked By:

Design Team:

Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139

Title: PLAN DETAIL
@ FIXED WINDOW

Sheet No.: DT-T453

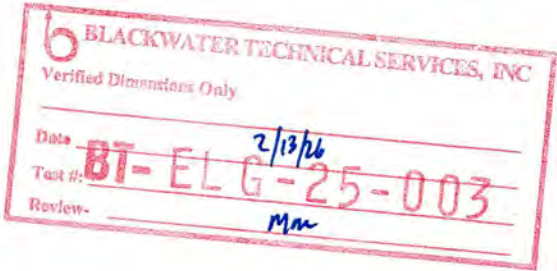
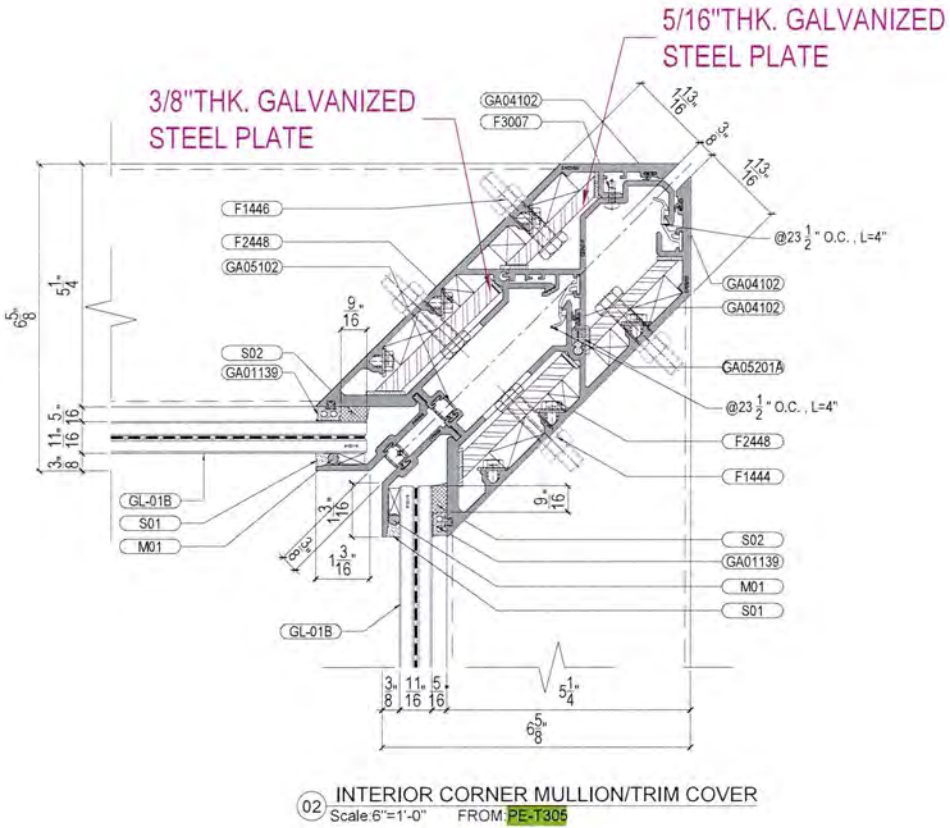
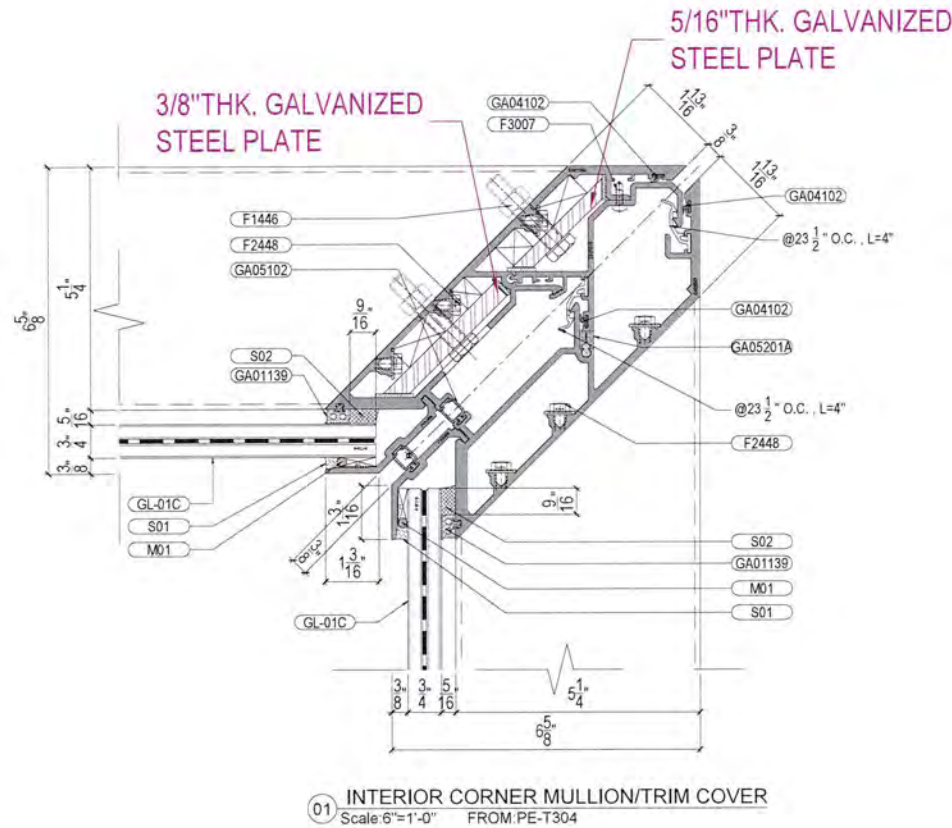
Date: Feb. 9, 2026

Revision No.: -

Scale: 3"=1'-0"

Size: 22"x34"

Phase: TEST DRAWINGS



Job No.:

Key Plan/Elevation:



No. Date Description

Revisions:

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Checked By:

Design Team:

Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139

Title:
PLAN DETAIL @ CORNER

Sheet No.: DT-T458

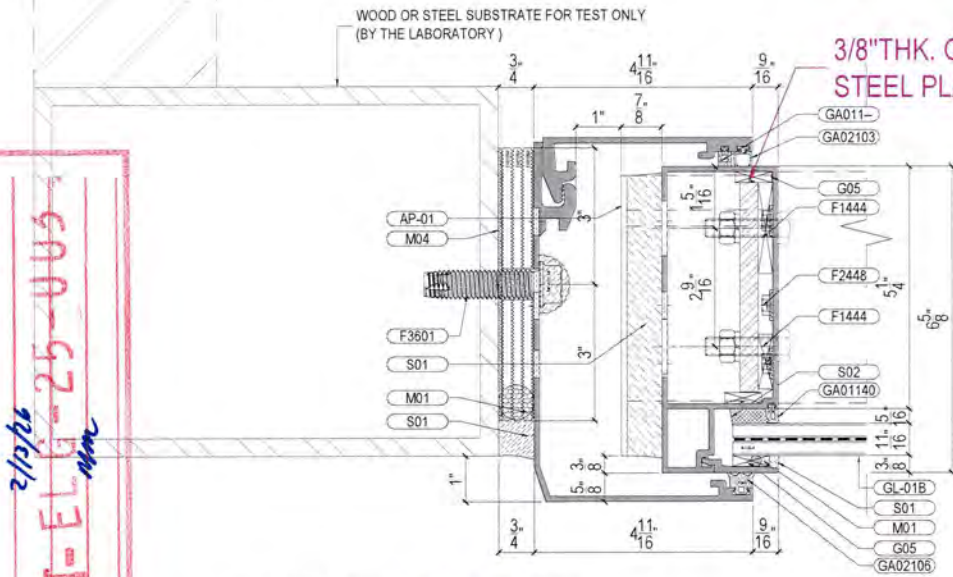
Date: Feb. 9, 2026

Revision No.: -

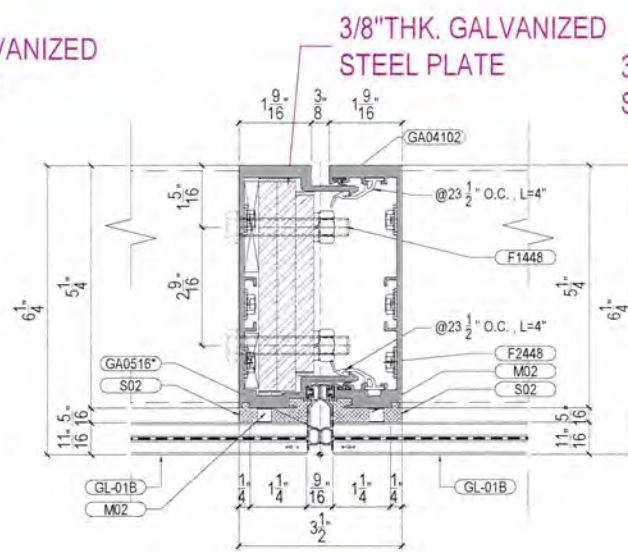
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Size: 22"x34"

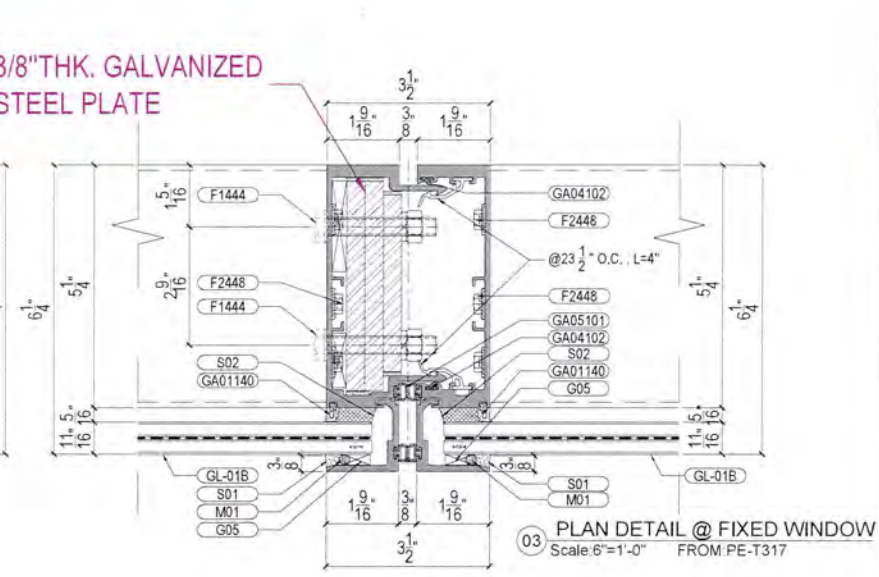
Phase: TEST DRAWINGS



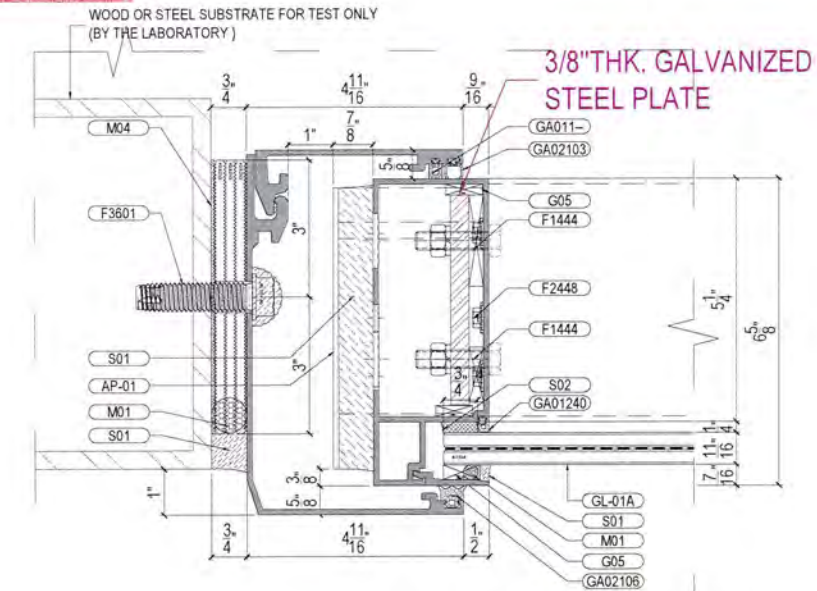
01 PLAN DETAIL @ FIXED WINDOW
Scale 6"=1'-0" FROM PE-T305



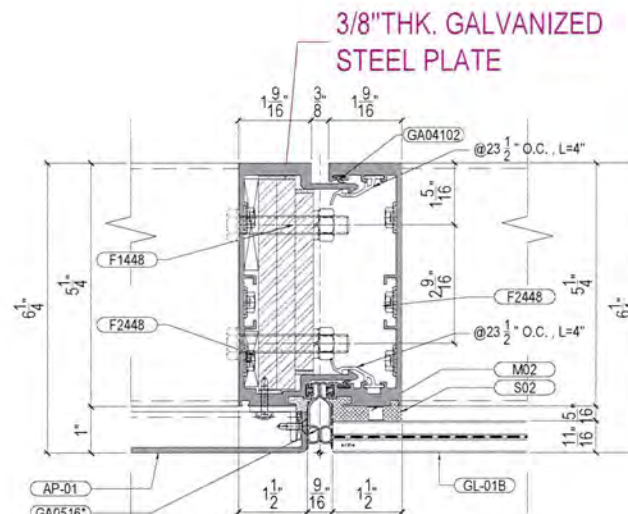
02 PLAN DETAIL @ FIXED WINDOW
Scale 6"=1'-0" FROM PE-T305



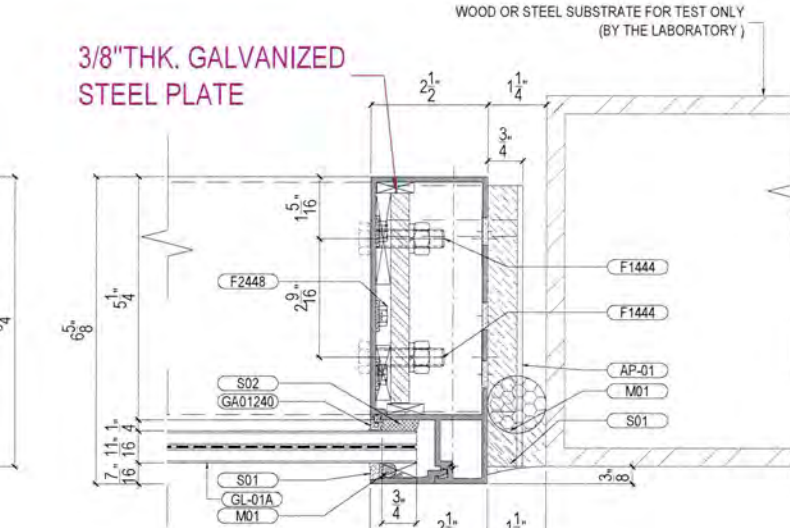
03 PLAN DETAIL @ FIXED WINDOW
Scale 6"=1'-0" FROM PE-T317



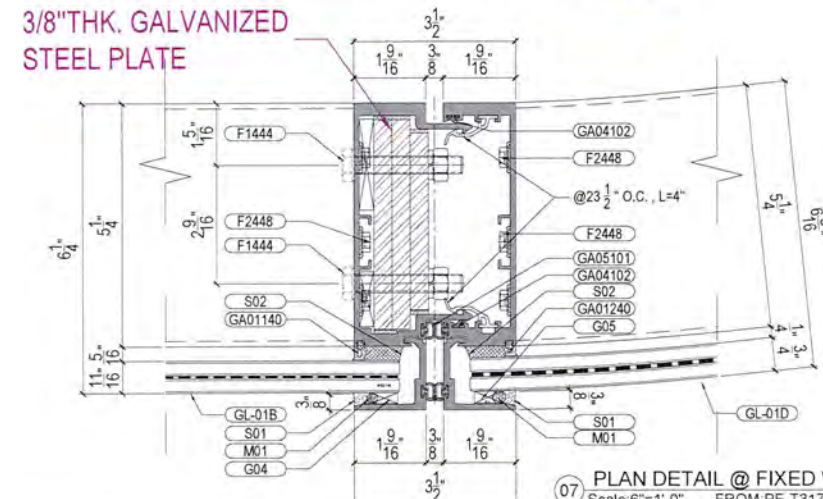
04 PLAN DETAIL @ FIXED WINDOW
Scale 6"=1'-0" FROM PE-T306



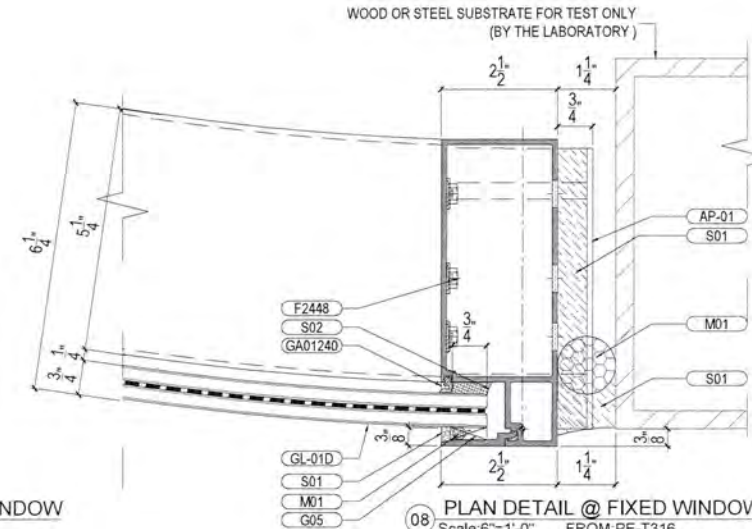
05 PLAN DETAIL @ FIXED WINDOW
Scale 6"=1'-0" FROM PE-T306



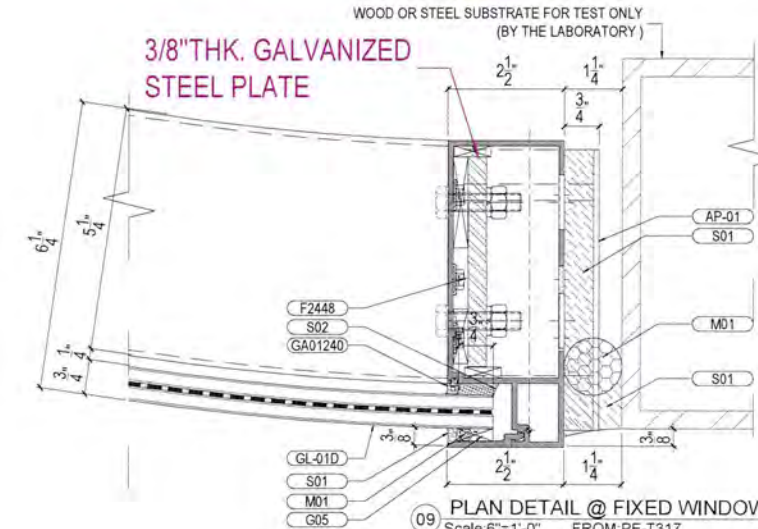
06 PLAN DETAIL @ FIXED WINDOW
Scale 6"=1'-0" FROM PE-T306



07 PLAN DETAIL @ FIXED WINDOW
Scale 6"=1'-0" FROM PE-T317



08 PLAN DETAIL @ FIXED WINDOW
Scale 6"=1'-0" FROM PE-T316



09 PLAN DETAIL @ FIXED WINDOW
Scale 6"=1'-0" FROM PE-T317

Job No.:

Key Plan/Elevation:



No. Date Description

Revisions:

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Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139

Title:
PLAN DETAIL
@ FIXED WINDOW

Sheet No.: DT-T459

Date: Feb. 9, 2026

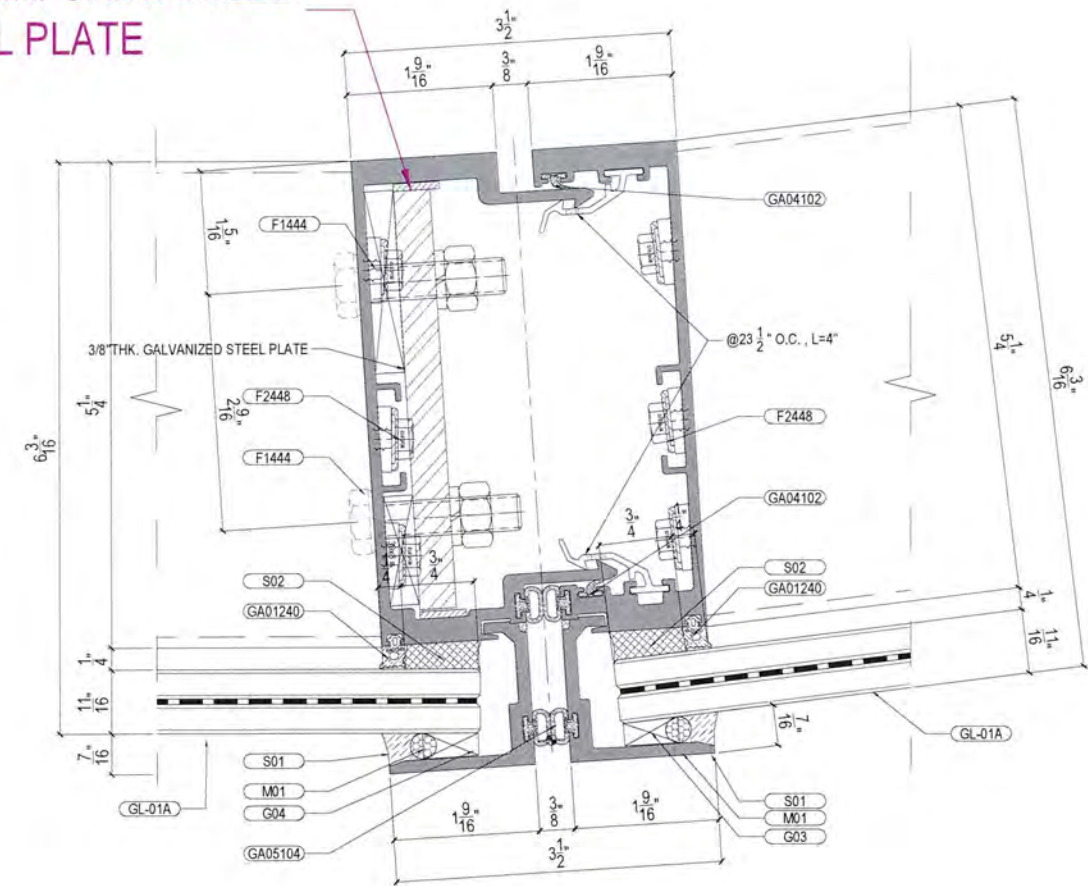
Revision No.: -

Scale: 6"=1'-0"

Size: 22"x34"

Phase: TEST DRAWINGS

3/8"THK. GALVANIZED
STEEL PLATE



01 PLAN DETAIL @ FIXED WINDOW
Scale: 1'-0"=1'-0" FROM PE-T306



Job No.:

Key Plan/Elevation:



No.	Date	Description
Revisions:		
Contractor:		
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Checked By:		
Design Team:		
Project: Shore Club		
1901 Collins Ave.		
Miami Beach, FL 33139		
Title:		
PLAN DETAIL		
@ FIXED WINDOW		
Sheet No.: DT-T460		
Date: Feb. 9, 2026		
Revision No.: -		
Scale: 1'-0"=1'-0"		
Size: 22"x34"		
Phase: TEST DRAWINGS		

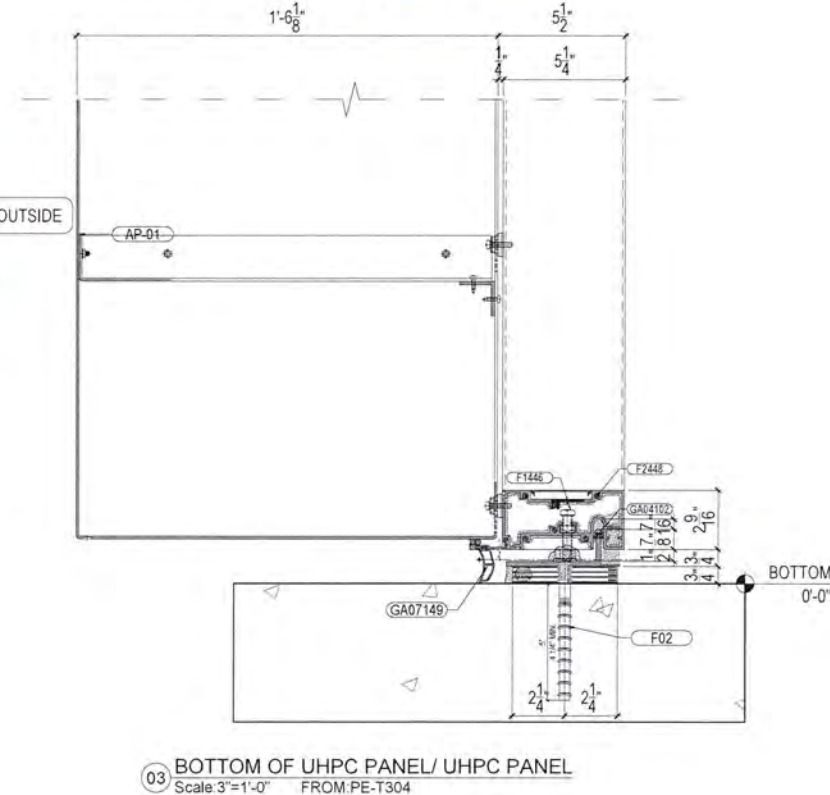
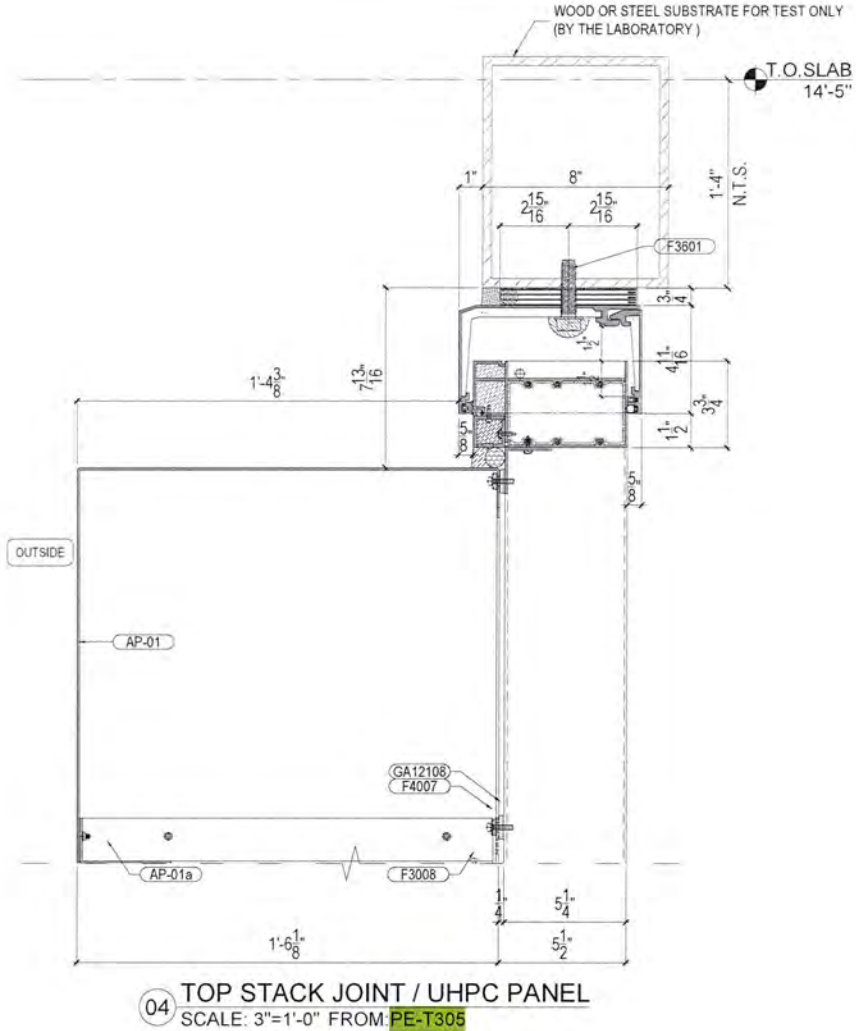
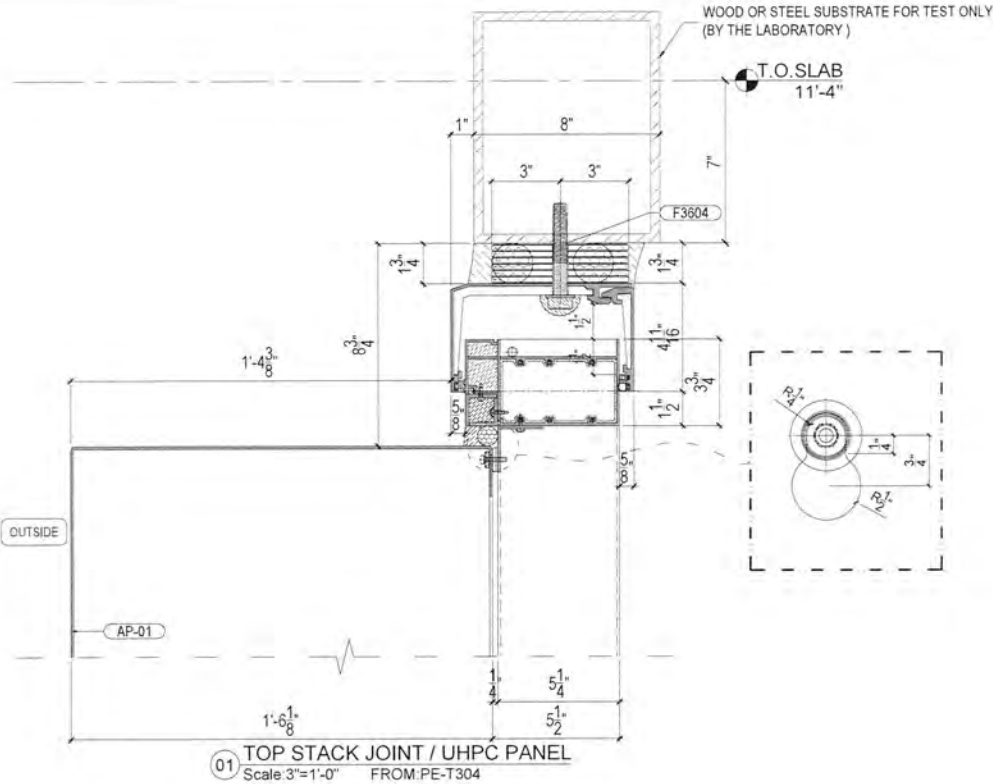




Phase: TEST DRAWINGS



BLACKWATER TECHNICAL SERVICES, INC.
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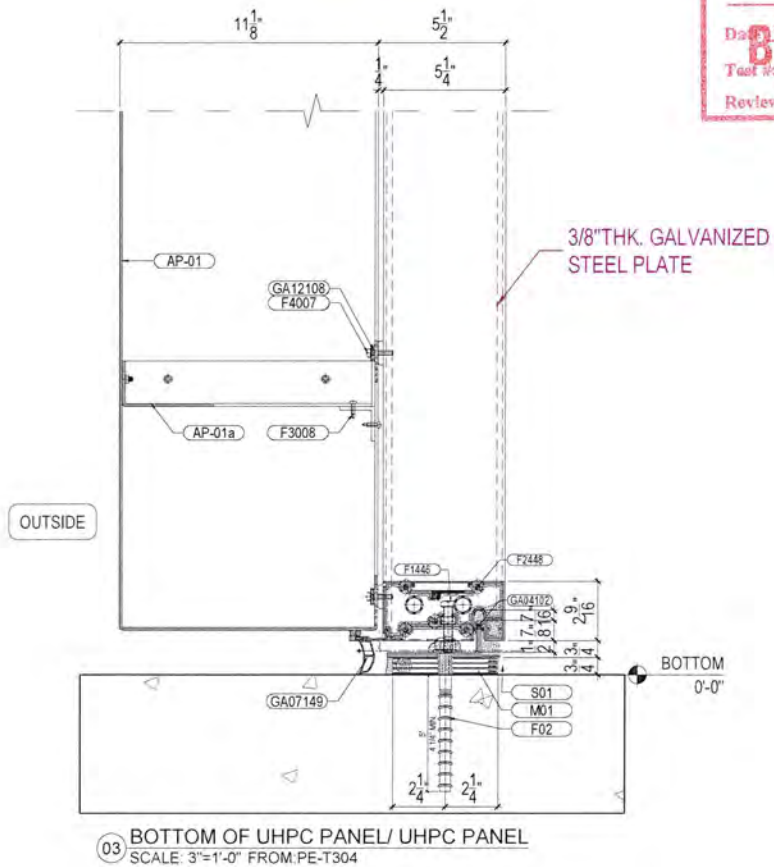
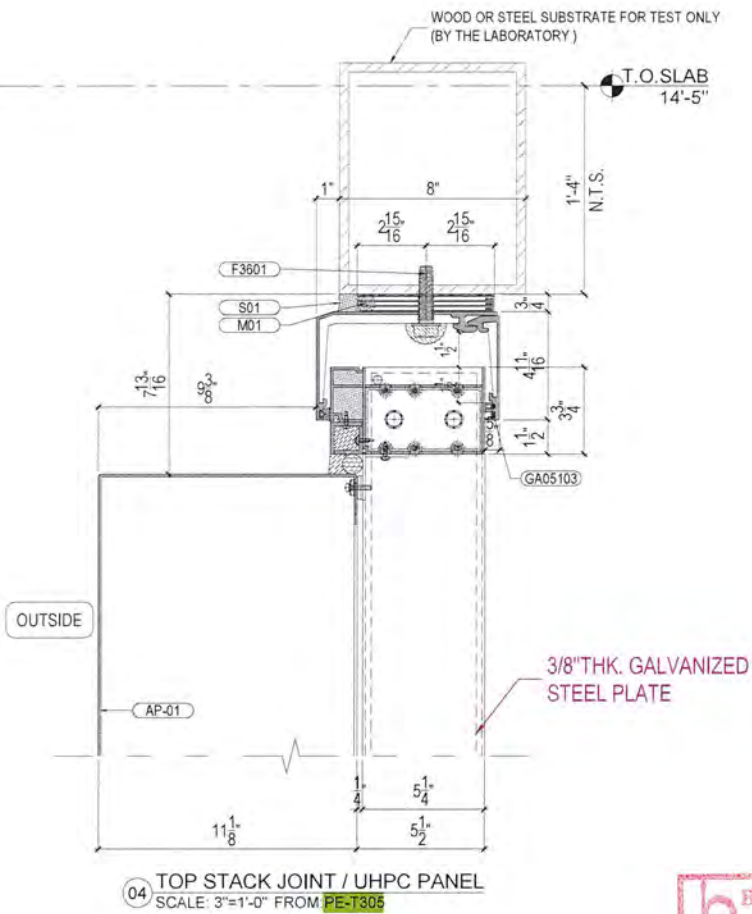
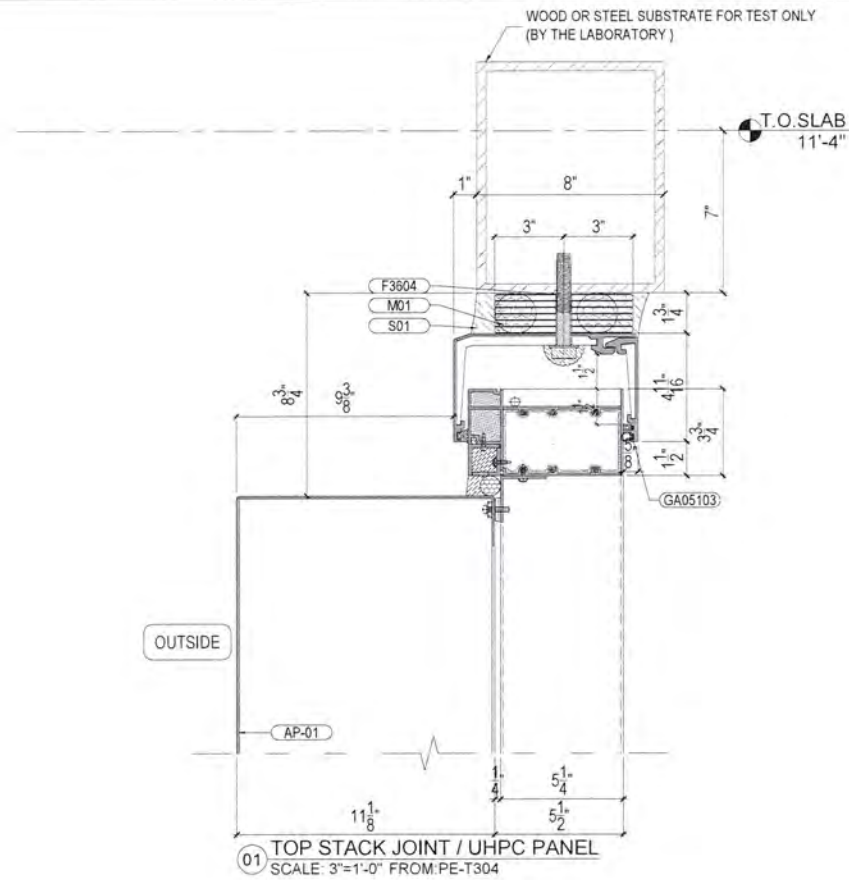


BLACKWATER TECHNICAL SERVICES, INC.
Verified Dimensions Only
Date: 2/13/26
Test #: BT-ELG-25-003
Review: mm

Job No.:
Key Plan/Elevation:

No. Date Description
Revisions:
Contractor:
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Fax: (760)-233-0065
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Design Team:
Project: Shore Club
1901 Collins Ave.
Miami Beach, FL 33139
Title:
VERTICAL SECTION
@ FIXED WINDOW
Sheet No.: DT-T551a
Date: Feb. 9, 2026 Revision No.: -
Scale: 3"=1'-0" Size: 22"x34"
Phase: TEST DRAWINGS



No.	Date	Description
Revisions:		

Contractor:
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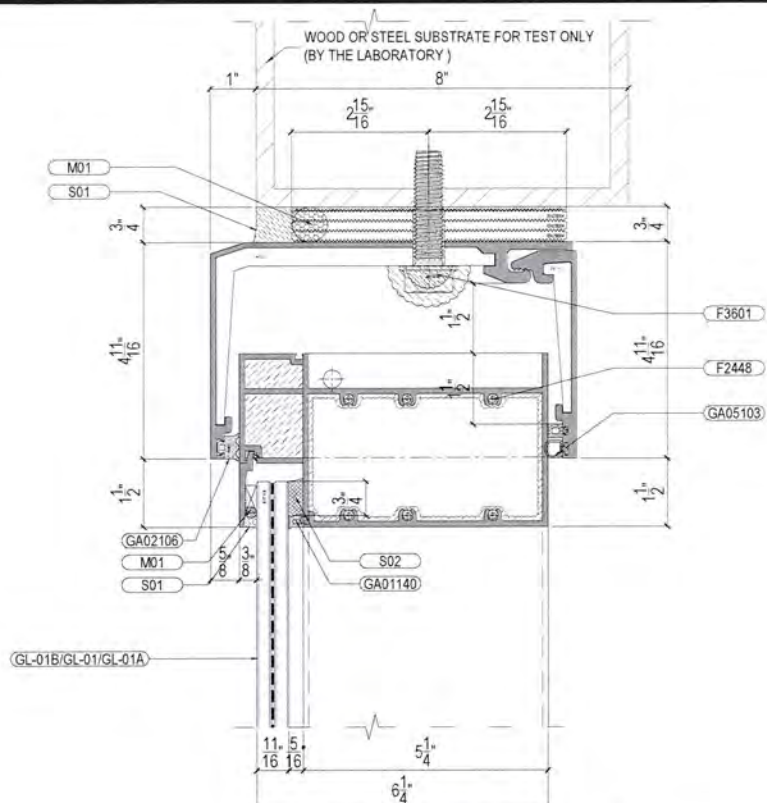
Title:
VERTICAL SECTION
@ FIXED WINDOW

Sheet No.: DT-T551b

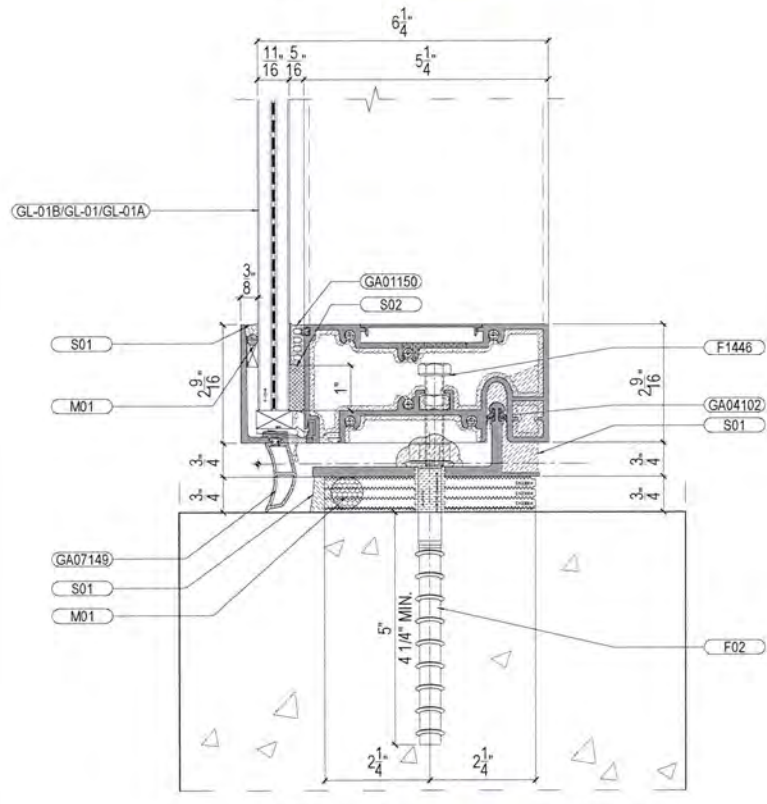
Date: Feb. 9, 2026 Revision No.: -

Scale: 3"=1'-0" Size: 22"x34"

Phase: TEST DRAWINGS

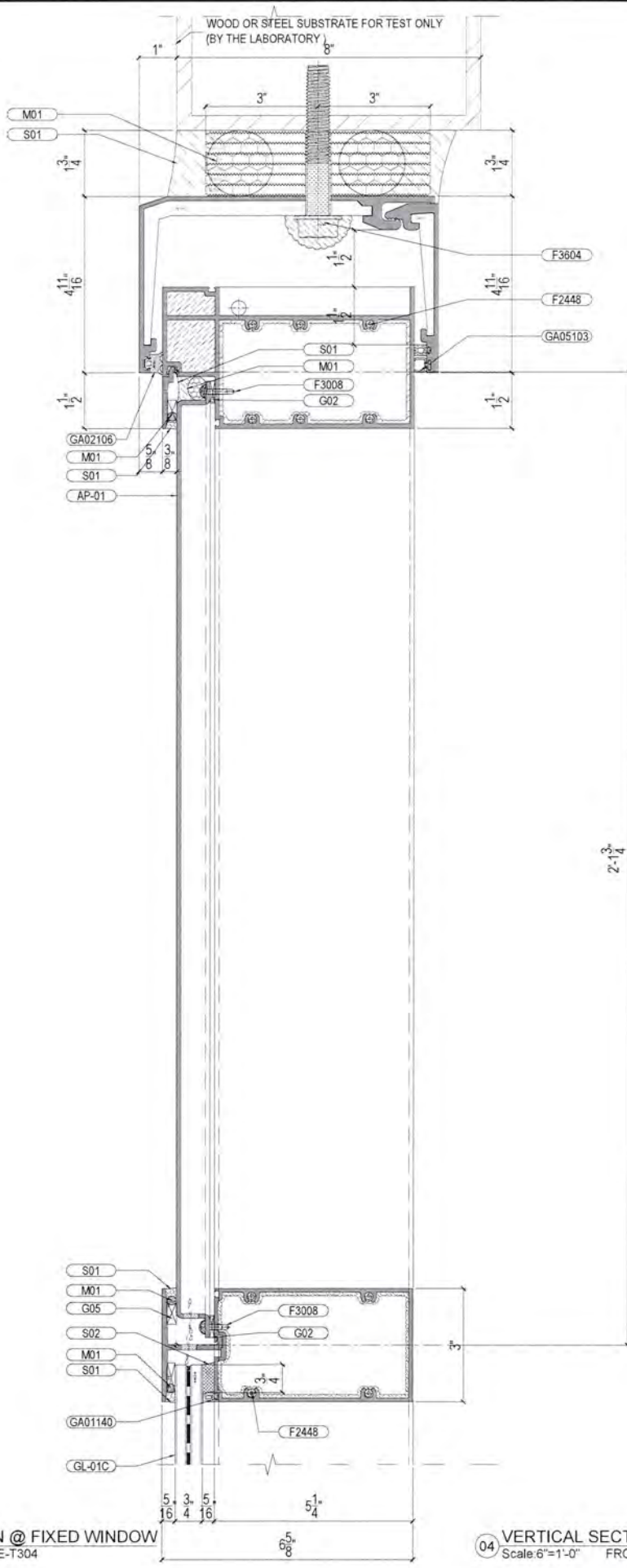


01 VERTICAL SECTION @ FIXED WINDOW
Scale: 6"=1'-0" FROM PE-T305

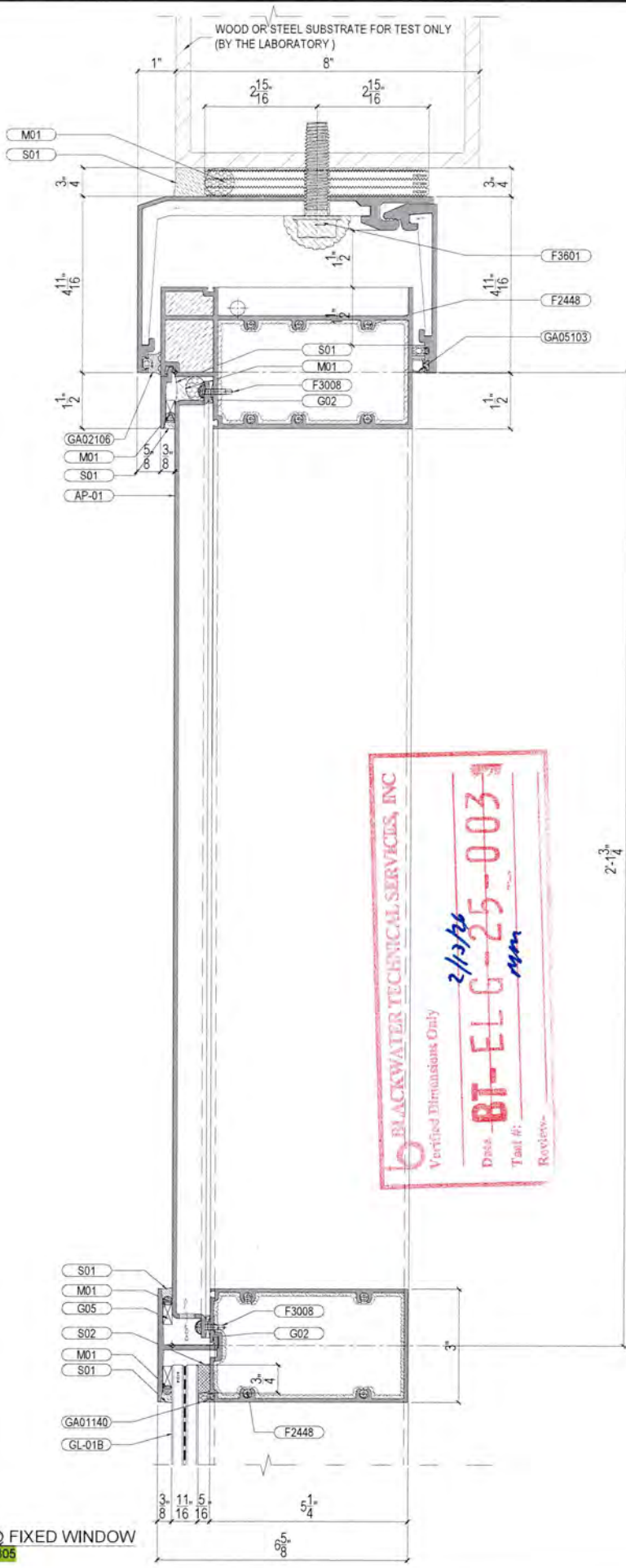


02 VERTICAL SECTION @ FIXED WINDOW
Scale: 6"=1'-0" FROM PE-T305

03 VERTICAL SECTION @ FIXED WINDOW
Scale: 6"=1'-0" FROM PE-T304



04 VERTICAL SECTION @ FIXED WINDOW
Scale: 6"=1'-0" FROM PE-T305



BLACKWATER TECHNICAL SERVICES, INC.
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Date: 2/13/26
BT-ELG-25-003
Tail #: mm
Review:

Job No.:
Key Plan/Elevation:

No. Date Description
Revisions:
Contractor:
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Project: Shore Club
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Title:
VERTICAL SECTION
@ FIXED WINDOW
Sheet No.: DT-T552
Date: Feb. 9, 2026 Revision No.: -
Scale: 6"=1'-0" Size: 22"x34"
Phase: TEST DRAWINGS

