

PRODUCT APPROVAL EVALUATION REPORT

Product Manufacturer : Elicc Americas Corporation
13475 Danielson St Suite 250
Poway, California 92064

Product Name/ Model &Description
Series SGD - 301 Sliding Glass Door System
Specimen # 11- Large Missile impact.
Specimen # 12- Small Missile impact.

Scope: This product has been evaluated by the below - signed Florida Professional Engineer for compliance with the code noted herein and is for the purpose intended, at least equivalent to that required by the Code, in accordance with section 553.842 F.S & Chapter 61G20-3.005 F.A.C. Re-evaluation of this product shall be required following applicable code modifications or revisions.

Code: 8th Edition Florida Building Code (2023) inclusive of all Supplements effective as of this report date.

Compliance Method: 61G20 - 3.005(1)(d) - Evaluation report from a licensed professional Engineer .

Product Description: Product Approval Drawing SGD -301 SERIES SMALL MISSILE IMPACT RESISTANT(S.M.I) and Large Missile Impact Resistant (LMI- D) prepared by ELICC AMERICAS CORPORATION Signed and Sealed by Pavan Manepalli P.E, is an integral part of this Evaluation Report.

Limitations and Conditions of use:

1. This product has been evaluated for use Inside and Outside of the HVHZ (High - Velocity Hurricane Zone)
2. Impact Resistance : Small Missile Impact (S.M.I) Large Missile Impact - D
3. Refer to Product Approval Drawing noted above for :
 - a. Maximum allowable wind loads at the related maximum allowable size (S)
 - b. Other load limitations applicable to the product, if any
 - c. Overall dimensions and material/grade of main product components, accessories, etc.
 - d. Illustrated diagrams of the attachment of the product to the structure.
 - e. Anchor type(s), size(s), substrate(s), embedment, edge distance and spacing/ locations.

TEST REPORTS :

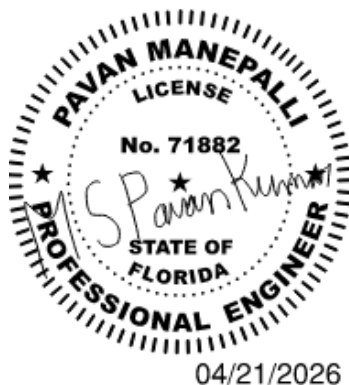
Mandatory Tests (Tested in accordance with Florida Building Code Tests Protocols)

Test Lab : Black water Testing Inc - West Palm Beach , FL

Report Number: BT -ELG- 25- 003B Signed and Sealed by Michael D. Caldwell, PE FL# 49979

Test Report Date: 03/26/2026 TO 04/08/2026

Test Standard
and Description: ASTM E283-19 (air infiltration)
ASTM E331-00 (water infiltration)
ASTM F842-17 (Forced Entry Resistance)



TAS 201-94/ASTM E1996-20 - (Mock Up 12 was subjected to small missile impacts (Level A) per TAS 201-94 and successfully completed. Mock Up 11 was subjected to Large missile impacts (Level D) per TAS 201-94 and successfully completed.

TAS 202-94 - (Mock Up 11 and 12 were subjected to static wind loads in accordance with TAS 202-94. Mock Up 11 completed wind loads to verify a Design Load of +/-115 psf. Mockup 12 at +/-126 psf.

TAS 203-94/ ASTM E1886-19 - (Mock Up 11 and 12 were subjected to cyclic wind loads in accordance with TAS 203-94. Mock Up 11 successfully completed the cyclic wind loads to verify a Design Load of +/-115.00 psf. Mockup 12 at +/-126psf .

Engineering Analysis :

The following engineering analysis and/or Calculations have been performed

1. No comparative analysis has been performed for conditions other than those tested.
2. No rational analysis has been performed.
3. Anchor calculations are based on manufacturer's published anchor capacity.

Equivalency Evaluation to AAMA 501 : It has been determined that for the above referenced product with Florida Product Approval # 48177 the testing performed for the TAS 201, TAS 202 and TAS 203 meet or exceed the requirement of AAMA 501.



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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:

"Sliding Glass Doors – Shore Club"

Specimens 11, 12

TEST DATES:

Start: 3/26/2026

End: 4/8/2026

WITNESS TO TESTING:

Mike Caldwell, PE BT President

Warner Ward, Lead Laboratory Technician

SUMMARY OF TESTING

AIR INFILTRATION: Specimens 11 and 12 passed testing criteria for air infiltration per ASTM E283-19.

WATER INFILTRATION: Specimens 11 passed testing criteria for water infiltration per ASTM E331-00(23).

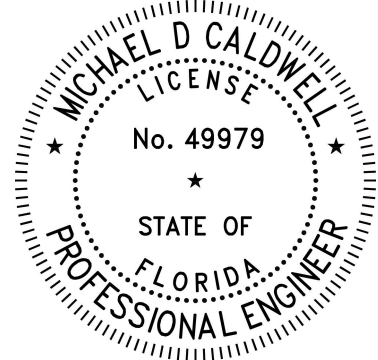
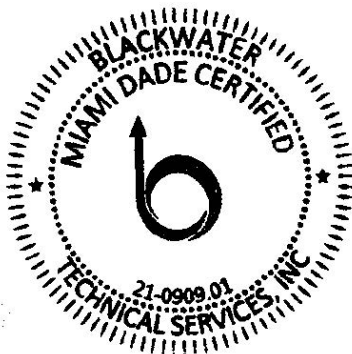
FORCED ENTRY RESISTANCE (ASTM F842): Specimens 12 passed testing criteria for forced entry resistance per ASTM F842-17(23).

STATIC WIND LOADS (TAS 202-94): Specimens 11 and 12 were subjected to static wind loads in accordance with **TAS 202-94**. Specimen 12 completed wind loads to verify a **Design Load of +/-125.0 psf**. Specimen 11 completed wind loads to verify a **Design Load of +/-115.00psf**.

MISSILE IMPACTS (TAS 201-94/ASTM E1996-23): Specimen 12 was subjected to small missile impacts (Level A) per TAS 201-94. Specimen 12 successfully completed the small missile impact tests. Specimen 11 was subjected to large missile impacts (Level D) per TAS201-94. Specimen 11 successfully completed the large missile impact tests.

CYCLIC LOADS (TAS 203-94/ ASTM E1886-19): Specimens 11 and 12 were subjected to cyclic wind loads in accordance with **TAS 203-94**. Specimen 12 completed cyclic wind loads to verify a **Design Load of +/-125.0 psf**. Specimen 11 completed cyclic wind loads to verify a **Design Load of +/-115.00psf**.

CONCLUSION: Following testing Specimens 11 and 12 were disassembled. No failures were observed in the fastenings, panes, or anchorages. **The "Sliding Glass Doors – Shore Club" products were tested in accordance with and meet the requirements to comply with Florida Building Code 2023.**



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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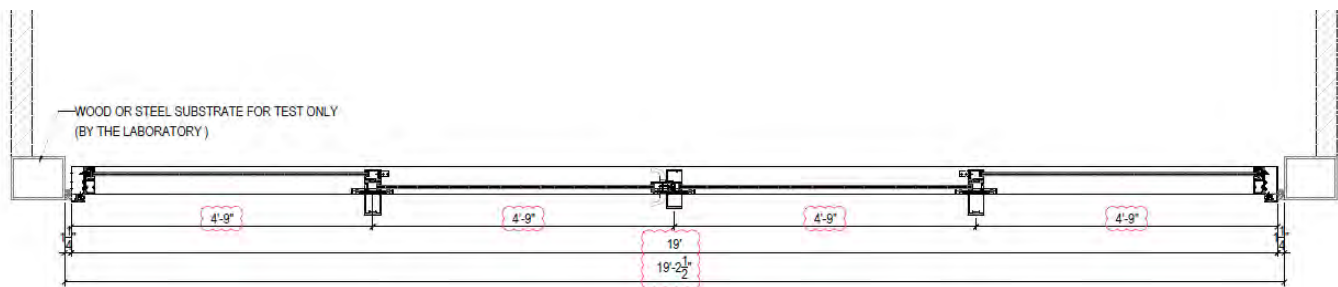
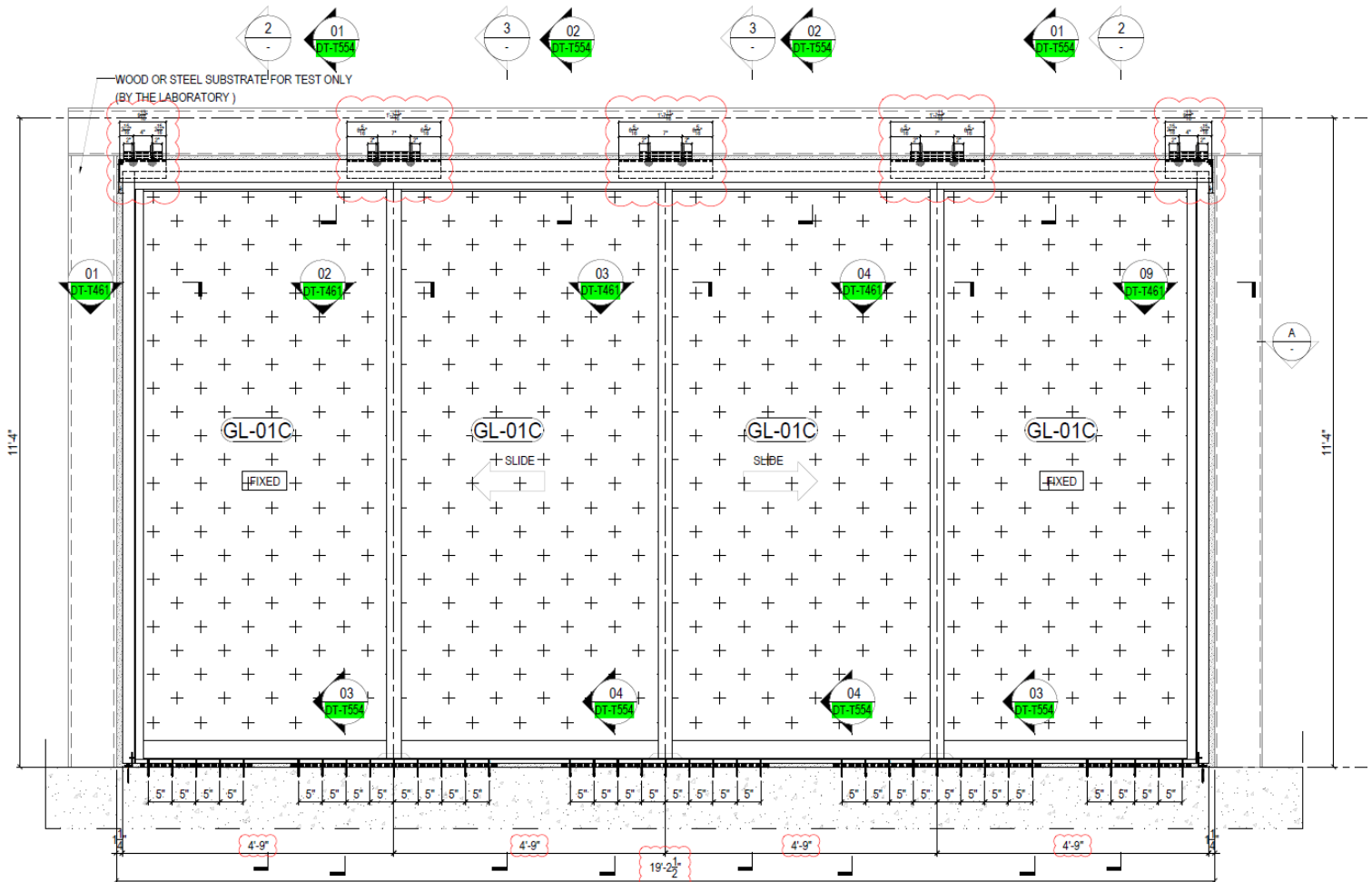
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Specimen Plans and Elevations:



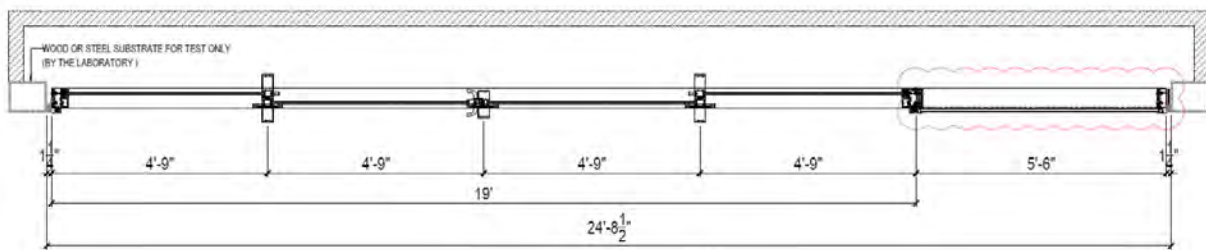
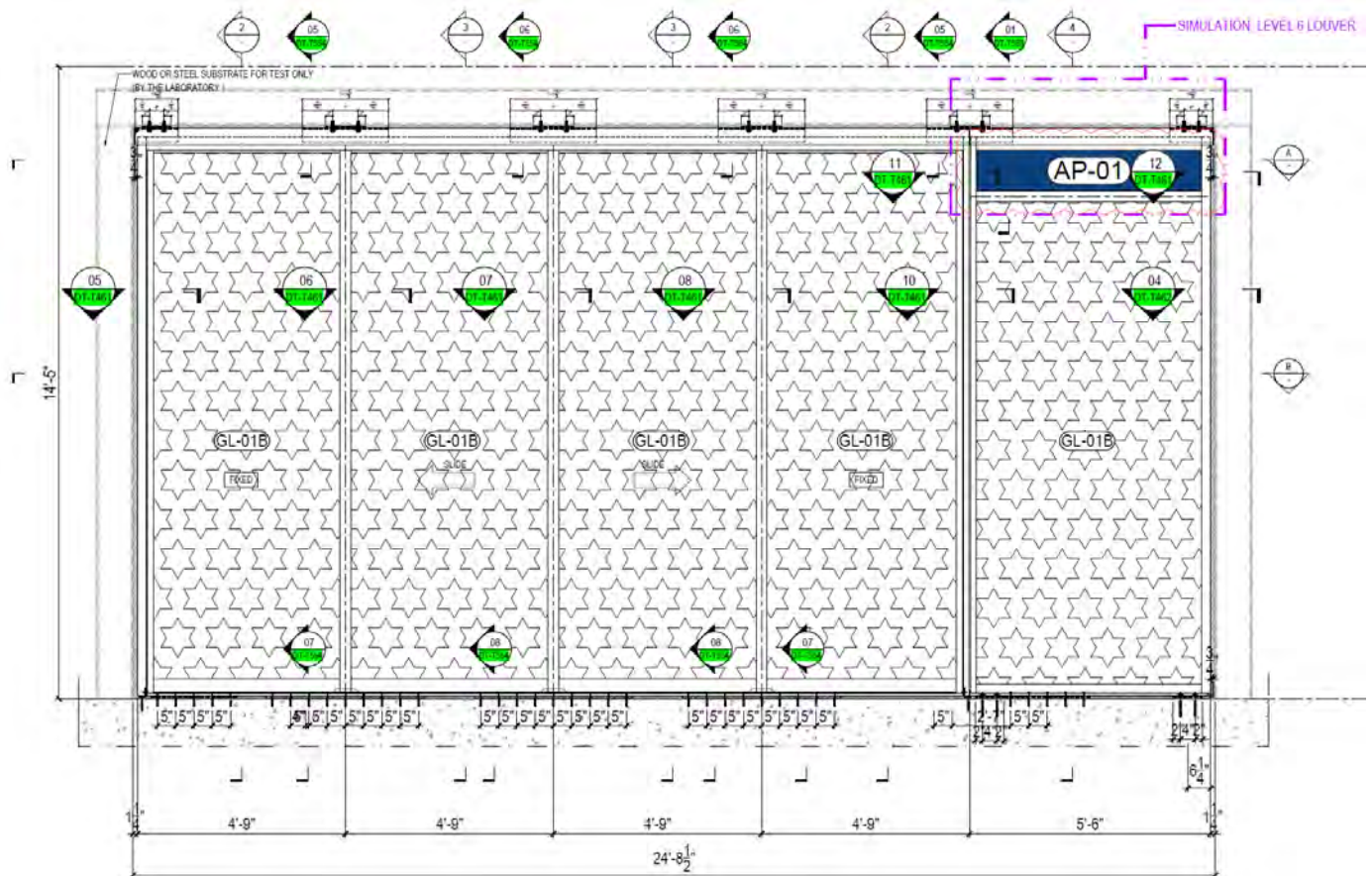
Specimen 11

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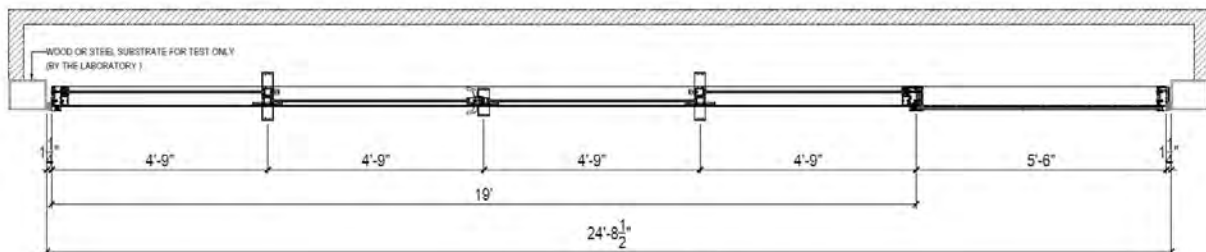
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(A) PLAN
Scale: 1/2"=1'-0"



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

Specimen 12

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Overall Size:

Specimen 11:

- 228" W x 126-1/2" H

Specimen 12:

- 294" W x 155-1/2" H

Rough Opening:

Specimen 11:

- 230-1/2" W x 129" H

Specimen 12:

- 296-1/2" W x 157" H

Daylight Opening:

Specimen 11:

- (2) 51" W x 115-1/16" H
- (2) 54" W x 115-1/16" H

Specimen 12:

- (1) 51" W x 120-1/16" H (SGD panel)
- (2) 54" W x 120-1/16" H (SGD panel)
- (1) 51-3/4" W x 120-1/16" H (SGD panel)
- (1) 61-3/4" W x 142" H (Fixed glazed panel)
- (1) 61-3/4" W x 13-1/2" H (Aluminum panel)

Door Panel Size

Specimen 11:

- (4) 57" x 120-11/16" Nominal

Specimen 12:

- (4) 57" W x 149-11/16" H Nominal

Glass Composition:

Specimen 11

GL-01C- Laminated Glass

- 8mm Heat Strengthened Clear Glass
- 2.28mm SGP Interlayer by Kuraray
- 8mm Heat Strengthened Clear Glass

Specimen 12

GL-01B- Laminated Glass

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

Glazing Sealant:

All Specimens:

- Dowsil 983 for structural glazing
- Dowsil 791 for weatherproofing

Perimeter Sealant:

All Specimens:

- Dowsil 791 for perimeter

Glass Bite:

Specimen 11

- Sliding Glass Door Panels – 1/2" all around

Specimen 12

- Fixed Window Wall Section - 1" around the perimeter of the glass (3/4" structural glazing plus 1/4" gasket)
- Sliding Glass Door Panels – 1/2" all around

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Substrate:

Specimen 11

- Header:
 - o 2x10 SYP
- Jambs
 - o 8" x 8"x1/4" HSS
- Sill
 - o Concrete

Specimen 12

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

Anchor Details:

Specimen 11:

- Jambs: Free
- Slider Sill Track:
 - o Cluster of 5 anchors, BOM Item F03 (Dewalt 5/16" x 3-3/4" HWH Ultracon Screws), 5" on center, beginning approximately 4" from each end of the sill track
 - o Cluster of 9 anchors, BOM Item F03, 5" on center, centered on interlock and lock stile locations.
- Header:
 - o Clusters of two anchors BOM Item F3604 (5/8"-11 x 4" Grade 5 Tapflex screw) through 8" long shims, at jamb corner of each outside panel, 4" apart, centered 4-15/16" from end of header
 - o Two anchors, BOM Item F3604, through 11" long shims, 7" apart, centered on interlock and lock stile locations at header.

Specimen 12:

- Jambs: Free
- Slider Sill Track:
 - o Cluster of 5 anchors, BOM Item F03 (Dewalt 5/16" x 3-3/4" HWH Ultracon Screws), 5" on center, beginning approximately 4" from each end of the sill track
 - o Cluster of 9 anchors, BOM Item F03, 5" on center, centered on interlock and lock stile locations.
- Fixed Window Sill:
 - o Clusters of two anchors BOM Item F02 (Hilti KH-EZ 1/2"x6" concrete bolt) through 8" long shims, at each corner of fixed panel, 4" apart, centered 6-1/4" from end of panel
- Slider Header:
 - o Clusters of two anchors BOM Item F3601 (5/8"-11 x 2-1/2" Grade 5 Tapflex screw) through 8" long shims, at left jamb corner, 4" apart, centered 5-7/8" from end of header
 - o Two anchors, BOM Item F3601, through 11" long shims, 7" apart, centered on interlock and lock stile locations at header.
- Fixed Window Header:
 - o Cluster of two anchors BOM Item F3601 (5/8"-11 x 2-1/2" Grade 5 Tapflex screw) through 8" long shims, at jamb corner, 4" apart, centered 5-7/8" from end of header
 - o Two anchors, BOM Item F3601, through 11" long shims, 7" apart, centered on slider frame/fixed window jamb mullion location.



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Reinforcements:

Specimen 11:

- None

Specimen 12:

- (1) 3/8" x 4-1/2" x 152" lg steel plate at left jamb of sliding door frame
- (1) 3/8" x 4-1/2" x 152" lg steel plate at right jamb of fixed window
- (2) 3/8" x 4-1/2" x 152" lg and (1) 3/8" x 3-3/4" x 152" at left jamb of fixed window (at mullion with sliding door frame)

Frame& Panel Construction:

All Specimens

- The sliding door frame and glazed panels (both fixed and sliding) are constructed of aluminum extrusions screwed together with stainless steel assembly screws. Refer to elevation and die drawings at end of report for complete details about the construction of unit. The sill track has a 1-15/16" riser on the interior face. Hurricane clips (extrusion EN06013) are installed on the sill track at the lock stiles/interlocks.

Specimens 11

- Specimen 11 is a 4 panel, OXXO sliding glass door system. This specimen is constructed with a head receptor which restrains the frame top rail. The door panels are then restrained within the frame top rail. The system rests on a sill track, shimmed to a maximum of 3/4". The head receptor is shimmed with serrated aluminum shims to a maximum of 1-3/4".

Specimen 12

- Specimen 12 is a 4 panel, OXXO sliding glass door system, mullied to a fixed window wall with an aluminum panel transom. This specimen is constructed with a head receptor which restrains the frame top rail. The door panels are then restrained within the frame top rail. The system rests on a sill track, shimmed to a maximum of 3/4". The head receptor is shimmed with serrated aluminum shims to a maximum of 3/4". The fixed window wall mullion is snap-locked together, and the sliding glass door frame is secured to the jamb with stainless steel assembly screws.

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

Specimen 11:

- GA02106 silicone gasket on exterior of head receptor
- GA05103 and GA011- silicone gasket on interior of head receptor
- (4) GA05167 silicone gaskets (2 per panel) at interlocks
- (2) GA05206 silicone gasket (1 per panel) at interlock joint
- (4) GA05167 silicone gaskets (2 per side) at lock stile
- (2) GA05206 silicone gasket (1 side) at lock stile
- (3) GA05167 silicone gaskets (1 on exterior, 2 on interior) on operable panel at header
- (2) GA05167 silicone gaskets (2 on interior) on operable panel at sill track

Specimen 12:

- (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
- (4) GA05167 silicone gaskets (2 per panel) at interlocks
- (2) GA05206 silicone gasket (1 per panel) at interlock joint
- (4) GA05167 silicone gaskets (2 per side) at lock stile
- (2) GA05206 silicone gasket (1 side) at lock stile
- (3) GA05167 silicone gaskets (1 on exterior, 2 on interior) on operable panel at header
- (2) GA05167 silicone gaskets (2 on interior) on operable panel at sill track



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Hardware:

All Specimens :

- Rollers – Stainless Steel, Kin Long CMLF2801-K29R3.25-JL, 200 kg/pair load rating
- Lockset – Single point, 2 hook, Kin Long XGS001, carbon steel
- Strike Plate – Kin Long ZMK10, zinc alloy

Weepholes:

All Specimens:

- None. Drainage is from front of sill track along entire length.

Test Sequence:

Specimen 11:

1. Air Infiltration ASTM E283
2. TAS 202 @ +/-86.25 psf for 30 seconds
3. TAS 202-94 @ +/-115 psf for 30 seconds
4. Water Infiltration ASTM E331 (Performed at DP=125 to qualify both Specimens 11 and 12)
5. TAS 202-94 @ +/-172.5 psf for 30 seconds
6. TAS 201/ASTM E1996 Large Missile Impacts (Level D)
7. TAS 203/ ASTM E1886 @ +/-115 psf

Specimen 12:

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. TAS 201/ASTM E1996 Small Missile Impacts (Level A)
6. TAS 203/ ASTM E1886 @ +/-125 psf
7. ASTM F842 Forced Entry Resistance



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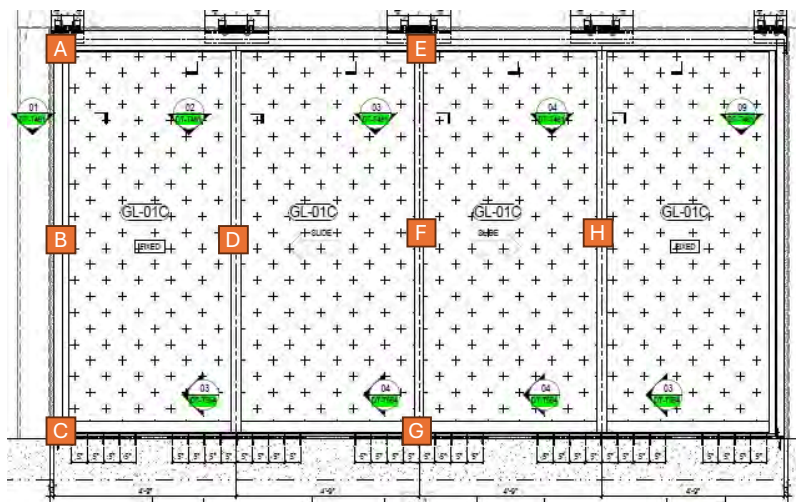
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TAS 202

SPECIMEN #11



X Gauge Locations

#1 Air Infiltration (T= 78° 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	193	746.9	798.3	31.4	0.26	0.3



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TAS 202

SPECIMEN #11

#2 Static Preload (T= 79° F)

STATIC LOAD DATA SHEET					Design Pressure Positive		Design Pressure Negative													
					115.00		115.00													
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.)
0.5TL	Positive	86.250	16.587	30.000	0.063	0.000	0.500	0.000	0.063	0.063	1.000	0.063	0.188	0.063	1.000	0.000	0.188	0.000	1.000	0.000
0.5TL	Negative	86.250	16.587	30.000	0.006	0.000	0.563	0.063	0.188	0.063	1.063	0.125	0.188	0.063	0.938	0.125	0.125	0.063	0.938	0.125

#3 Static Design load (T= 79° F)

STATIC LOAD DATA SHEET						Design Pressure Positive	Design Pressure Negative														
						115.00	115.00														
					A		B		C		D		E		F		G		H		
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.)	
DP	Positive	115.000	22.115	30.000	0.125	0.000	0.688	0.000	0.063	0.000	1.188	0.000	0.188	0.063	1.188	0.063	0.250	0.000	1.250	0.063	
DP	Negative	115.000	22.115	30.000	0.125	0.063	0.688	0.063	0.125	0.063	1.188	0.125	0.188	0.125	1.375	0.125	0.250	0.063	1.125	0.063	

#4 Water Infiltration Test (A) Result T = ° F

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

#5 Static Overload (T= 79° F)

STATIC LOAD DATA SHEET					Design Pressure Positive		Design Pressure Negative													
					115.00		115.00													
					A		B		C		D		E		F		G		H	
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.)
TL	Positive	172.500	33.173	30.000	0.313	0.063	1.125	0.000	0.125	0.063	1.500	0.125	0.188	0.063	1.500	0.000	0.188	0.063	1.125	0.063
TL	Negative	172.500	33.173	30.000	0.250	0.063	1.188	0.063	0.125	0.000	1.500	0.063	0.250	0.125	1.500	0.167	0.250	0.000	1.375	0.063



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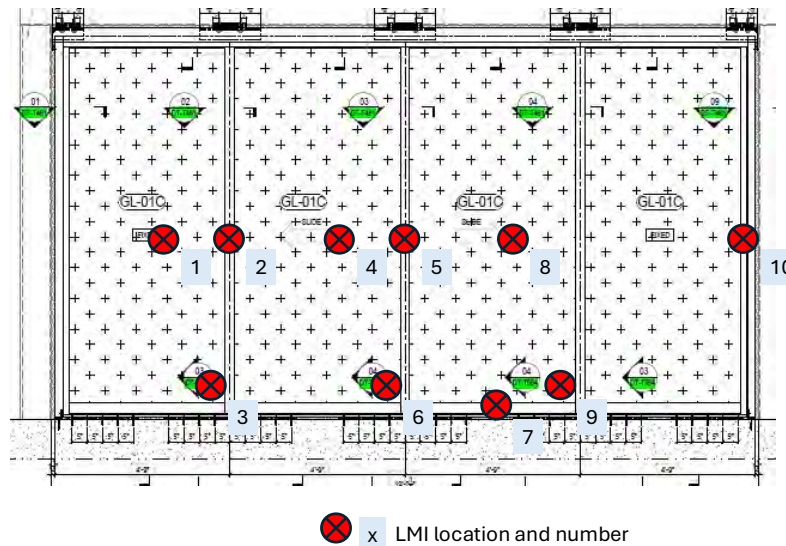
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TAS 201/ASTM E1996 (Large)

SPECIMEN #11



#6 Large Missile Impact Test (T= 78° F)

LARGE MISSILE IMPACT DATA SHEET					
	Location				Results
Shot	Area	X (in.)	Y (in.)	Keyence (ft/s)	Pass/Fail
1	Center	32	66	50.1	PASS
2	Interlock	58	62	50	PASS
3	Corner	46	16	50	PASS
4	Center	85	64	50.1	PASS
5	Interlock	115	61	50	PASS
6	Corner	102	15	50	PASS
7	Sash Bottom Rail	141	5	50.2	PASS
8	Center	141	63	50	PASS
9	Corner	162	16	50.2	PASS
10	Jamb	227	60	50	PASS



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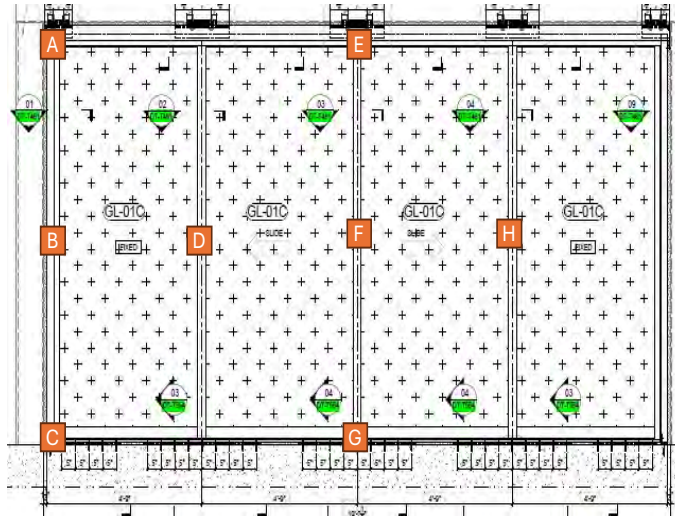
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TAS 203 (Cyclic Load)

Specimen #11



X Gauge Locations



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Specimen #11

#7 TAS 203 (Cyclic Load) (T= 72° F)

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		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.)	
3500	20% to 50%	57.5	4.42	11.06	0.063	0.000	0.438	0.000	0.000	0.000	0.813	0.313	0.063	0.000	2.700
300	0% to 60%	69	0	13.27	0.063	0.000	0.438	0.250	0.000	0.000	0.938	0.000	0.125	0.000	2.900
600	50% to 80%	92	11.06	17.69	0.125	0.000	0.563	0.000	0.063	0.000	1.500	0.063	0.188	0.063	2.800
100	30% to 100%	115.00	6.63	22.12	0.125	0.125	1.000	0.063	0.125	0.000	1.250	0.063	0.250	0.063	2.900
Positive Pressure															
No. of cycles	Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	F		G		H						
					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	0.875	0.125	0.188	0.125	0.875	0.313					
300	0% to 60%	69	0.00	13.27	1.000	0.000	0.188	0.063	1.000	0.063					
600	50% to 80%	92	11.057692	17.69	1.250	0.063	0.313	0.063	1.188	0.063					
100	30% to 100%	115	6.63	22.12	1.375	0.063	0.313	0.063	1.500	0.125					
Negative Pressure															
No. of cycles	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.)	
50	30% to 100%	115	6.63	22.12	0.125	0.000	1.063	0.063	0.125	0.000	1.375	0.063	0.500	0.063	2.900
1050	50% to 80%	92	11.06	17.69	0.125	0.000	0.875	0.063	0.063	0.000	1.063	0.000	0.375	0.000	2.900
50	0% to 60%	69	0	13.27	0.063	0.000	0.438	0.000	0.000	0.000	0.813	0.000	0.250	0.000	3.000
3350	20% to 50%	57.5	4.42	11.06	0.063	0.000	0.375	0.063	0.000	0.000	0.688	0.125	0.250	0.063	2.800
Negative Pressure															
No. of cycles	Range	Load (psf)	LOW Load (H ₂ O)	HIGH Load (H ₂ O)	F		G		H						
					Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)	Deflection (in.)	Permanent Set (in.)					
50	30% to 100%	115	6.63	22.12	1.250	0.063	0.250	0.000	1.188	0.125					
1050	50% to 80%	92	11.06	17.69	1.000	0.063	0.188	0.000	1.000	0.063					
50	0% to 60%	69	0	13.27	0.875	0.063	0.063	0.000	0.813	0.000					
3350	20% to 50%	57.5	4.42	11.06	0.813	0.063	0.063	0.000	0.750	0.063					



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



TAS 202

SPECIMEN #12



X Gauge Locations

#1 Air Infiltration (T= 80° 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	321	772.4	850.6	78.2	0.24	0.3



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TAS 202

SPECIMEN #12

#2 Static Preload (T= 81° 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	0.063	0.000	0.563	0.063	0.063	0.000	0.813	0.063	0.188	0.063	0.000	0.000	0.188	0.000	1.000	0.063	0.063	0.000
0.5TL	Negative	93.750	18.029	30.000	0.125	0.000	0.500	0.063	0.125	0.000	0.688	0.125	0.125	0.000	0.375	0.125	0.313	0.000	0.875	0.000	0.125	0.063

#3 Static Design load (T= 82° 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	0.250	0.000	1.833	0.063	0.188	0.063	1.000	0.063	0.250	0.063	0.250	0.167	0.250	0.063	0.688	0.063	0.188	0.000		
DP	Negative	125.000	24.038	30.000	0.250	0.063	0.750	0.125	0.125	0.000	1.125	0.063	0.188	0.000	0.313	0.125	0.250	0.125	0.750	0.063	0.188	0.063		

#4 Static Overload (T= 82° 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.)
TL	Positive	187.500	36.058	30.000	0.313	0.125	1.250	0.125	0.250	0.125	1.500	0.375	0.500	0.125	0.438	0.125	0.375	0.125	1.250	0.125	0.500	0.125
TL	Negative	187.500	36.058	30.000	0.375	0.063	1.188	0.125	0.375	0.063	1.625	0.250	0.438	0.125	0.500	0.063	0.375	0.063	1.313	0.063	0.313	0.063



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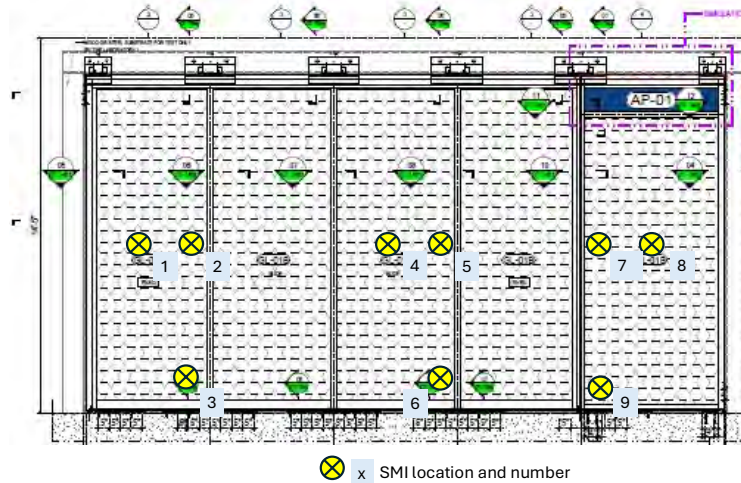
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MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



TAS 201/ASTM E1996 (SMALL)

SPECIMEN # 12



#5 SMALL Missile Impact Test (T=80° F)

SMALL MISSILE IMPACT DATA SHEET					
Shot	Location				Results
	Area	X (in.)	Y (in.)		Pass/Fail
1	Center	31	72		PASS
2	Edge	42	72		PASS
3	Corner	50	8		PASS
4	Center	141	72		PASS
5	Edge	164	71		PASS
6	Corner	164	13		PASS
7	Edge	287	72		PASS
8	Center	266	72		PASS
9	Corner	286	10		PASS

Measured from bottom left corner of each panel



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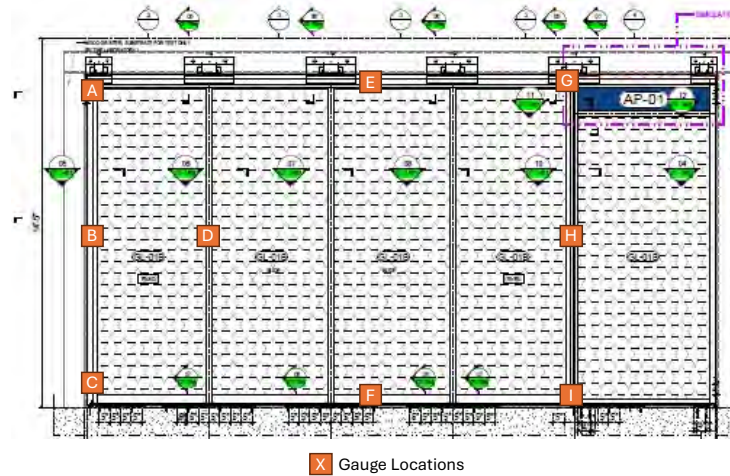
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TAS 203 (Cyclic Load)

Specimen #12





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Specimen #12

#6 TAS 203 (Cyclic Load) (T= 72° F)

CYCLIC LOAD DATA SHEET					Pd psf										
					High	Low									
					125.00	125.00									
Positive Pressure															
Cycles	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.)	
3500	20% to 50%	62.5	4.81	12.02	0.250	0.063	0.000	0.000	0.000	0.000	0.313	0.000	0.000	0.000	0.400
300	0% to 60%	75	0	14.42	0.250	0.063	0.500	0.125	0.000	0.000	0.625	0.063	0.125	0.000	2.700
600	50% to 80%	100	12.02	19.23	0.313	0.063	0.750	0.000	0.125	0.063	0.875	0.125	0.375	0.063	2.500
100	30% to 100%	125.00	7.21	24.04	0.313	0.125	1.000	0.125	0.250	0.063	1.250	0.125	0.500	0.125	2.800
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%	62.5	4.81	12.02	0.000	0.000	0.063	0.063	0.563	0.000	0.000	0.000			
300	0% to 60%	75	0.00	14.42	0.000	0.000	0.188	0.000	0.813	0.000	0.000	0.000			
600	50% to 80%	100	12.019231	19.23	0.250	0.000	0.250	0.000	1.000	0.063	0.188	0.063			
100	30% to 100%	125	7.21	24.04	0.313	0.063	0.313	0.125	1.250	0.125	0.375	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		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.)	
50	30% to 100%	125	7.21	24.04	0.250	0.000	1.125	0.125	0.125	0.063	1.375	0.250	0.500	0.063	2.700
1050	50% to 80%	100	12.02	19.23	0.188	0.000	0.875	0.125	0.125	0.000	1.000	0.125	0.375	0.000	2.500
50	0% to 60%	75	0	14.42	0.125	0.000	0.500	0.063	0.063	0.000	0.500	0.063	0.250	0.000	2.800
3350	20% to 50%	62.5	4.81	12.02	0.125	0.000	0.250	0.000	0.063	0.000	0.375	0.000	0.125	0.000	2.600
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%	125	7.21	24.04	0.313	0.125	0.375	0.063	1.250	0.125	0.375	0.125			
1050	50% to 80%	100	12.02	19.23	0.250	0.125	0.313	0.063	1.000	0.125	0.250	0.063			
50	0% to 60%	75	0	14.42	0.125	0.000	0.250	0.000	0.625	0.063	0.125	0.167			
3350	20% to 50%	62.5	4.81	12.02	0.063	0.000	0.125	0.000	0.375	0.000	0.063	0.000			



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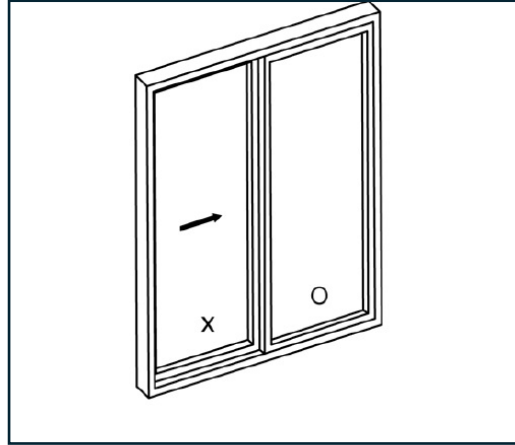
MIAMI-DADE CERTIFICATION #21-0909.01 ISO/IEC 17025:2017 AT-2584



ASTM F842 Forced Entry Resistance and NAFS Operational Force

SPECIMEN #12

Type A- A sliding door assembly which incorporates one or more sliding panels that lock to the jamb.



#1 NAFS 8.3.1.1 Operational Force

All operable sash, leaves, SSPs, or door panels shall be fully opened and fully closed a minimum of five times prior to testing to ensure that the sash, leaves, SSPs, or door panels are operating freely. Operable sash or door panels shall be adjusted so that they operate in either direction, with forces not exceeding those specified in Table below, as applicable, to initiate motion from the fully closed position and to maintain motion.

Direction	Point of force application	Maximum allowed force (lbs)	Measured Force
Upward and downward, parallel to plane of glazing	Midpoint of operating handle(s) or of meeting rails	35	22

Verdict: Meets Criteria



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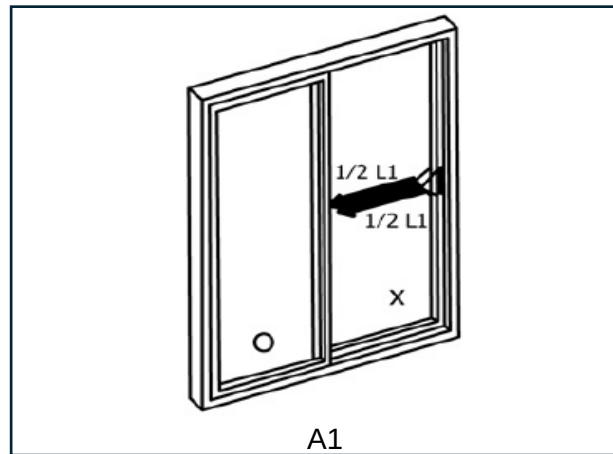
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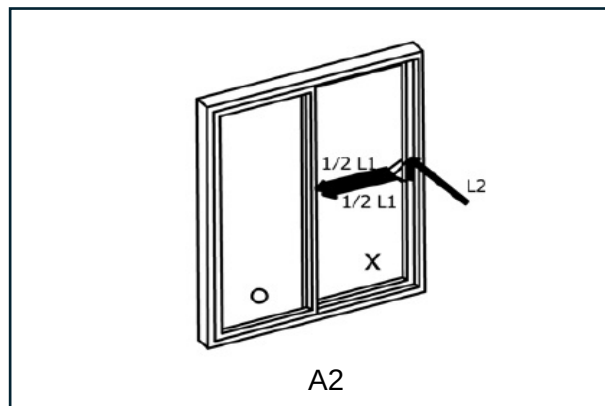


SPECIMEN #12



#2 Forced Entry Resistance ASTM F842 Test Results

Location of Loads	Direction	Load (lbs)	Durations (Seconds)	Results
Submit each operable slab to five cycles of opening, closing, locking and unlocking prior to testing.				
L1	Operating Direction	300	60+/-5	PASS



#3 Forced Entry Resistance ASTM F842 Test Results

Location of Loads	Direction	Load (lbs)	Durations (Seconds)	Results
Submit each operable slab to five cycles of opening, closing, locking, and unlocking prior to testing.				
L1	Operating Direction	300	60+/-5	PASS
L2	Perpendicular to L1	175	60+/-5	PASS



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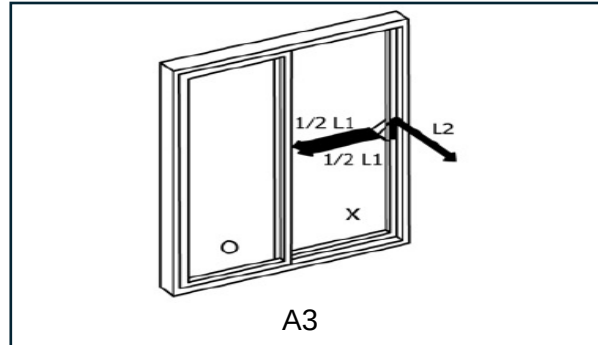
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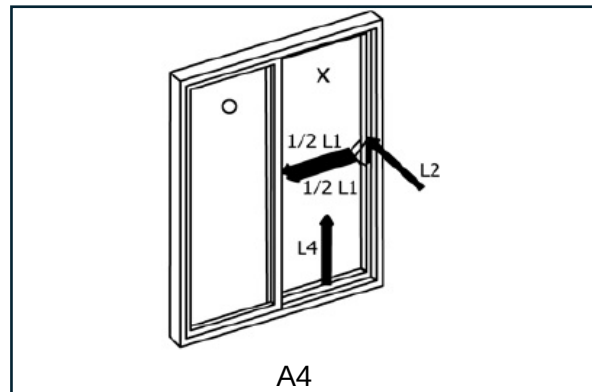


SPECIMEN #12



#4 Forced Entry Resistance ASTM F842 Test Results

Location of Loads	Direction	Load (lbs)	Durations (Seconds)	Results
Submit each operable slab to five cycles of opening, closing, locking, and unlocking prior to testing.				
L1	Operating Direction	300	60+/-5	PASS
L2	Perpendicular to L1	175	60+/-5	PASS



#5 Forced Entry Resistance ASTM F842 Test Results

Location of Loads	Direction	Load (lbs)	Durations (Seconds)	Results
Submit each operable slab to five cycles of opening, closing, locking, and unlocking prior to testing.				
L1	Operating Direction	300	60+/-5	PASS
L2	Perpendicular to L1	175	60+/-5	PASS
L4	Perpendicular L2	50 plus panels weight	60+/-5	PASS



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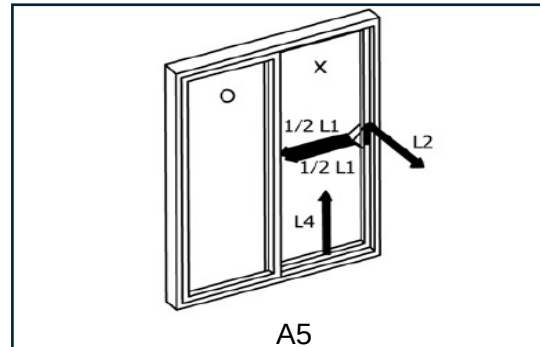
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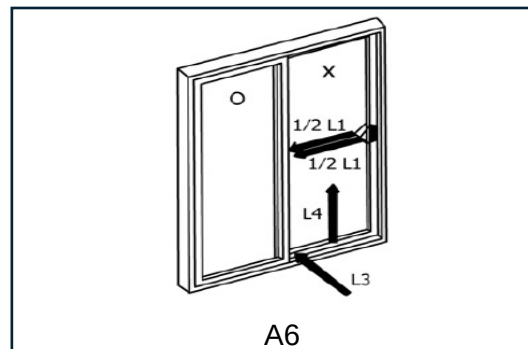


SPECIMEN #12



#6 Forced Entry Resistance ASTM F842 Test Results

Location of Loads	Direction	Load (lbs)	Durations (Seconds)	Results
Submit each operable slab to five cycles of opening, closing, locking, and unlocking prior to testing.				
L1	Operating Direction	300	60+/-5	PASS
L2	Perpendicular to L1	175	60+/-5	PASS
L4	Perpendicular L2	50 plus panels weight	60+/-5	PASS



#7 Forced Entry Resistance ASTM F842 Test Results

Location of Loads	Direction	Load (lbs)	Durations (Seconds)	Results
Submit each operable slab to five cycles of opening, closing, locking, and unlocking prior to testing.				
L1	Operating Direction	300	60+/-5	PASS
L3	Perpendicular to L1	30	60+/-5	PASS
L4	Perpendicular L2	50 plus panels weight	60+/-5	PASS



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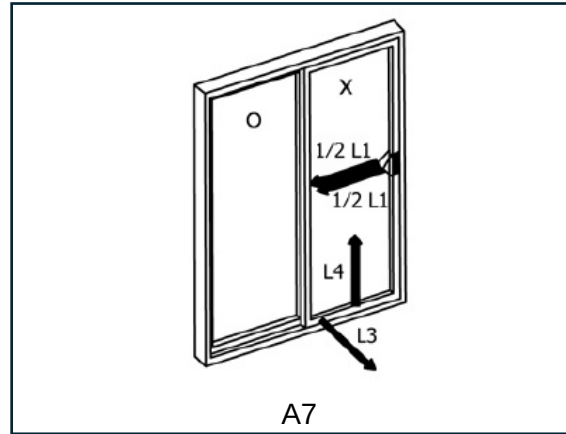
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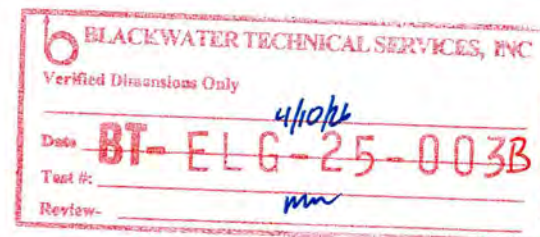
SPECIMEN #12



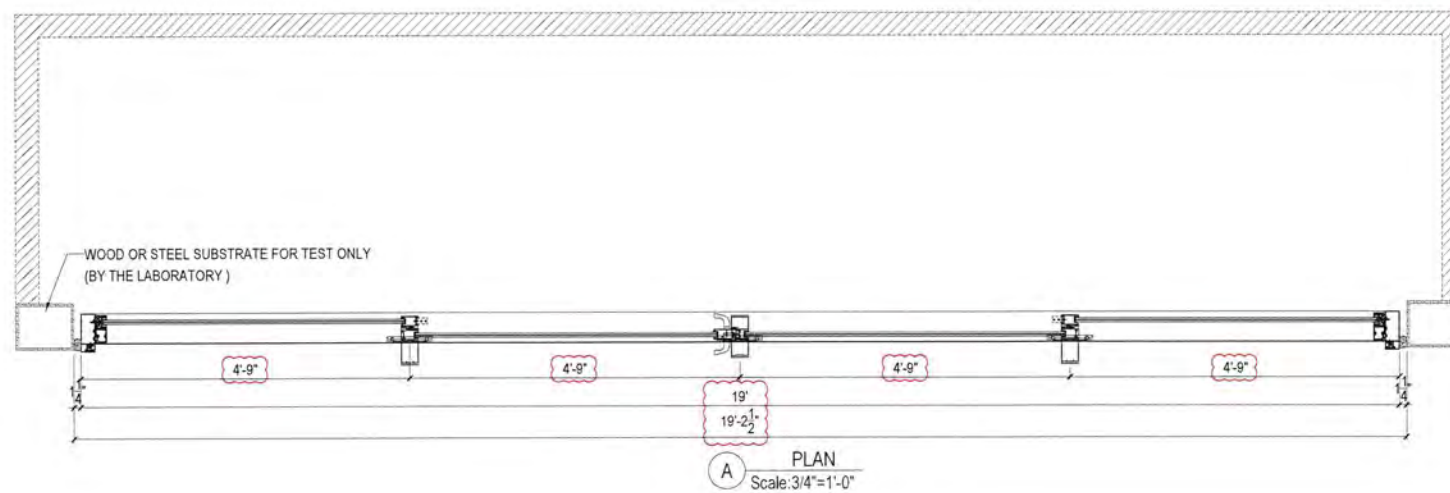
#8 Forced Entry Resistance ASTM F842 Test Results

Location of Loads	Direction	Load (lbs)	Durations (Seconds)	Results
Submit each operable slab to five cycles of opening, closing, locking, and unlocking prior to testing.				
L1	Operating Direction	300	60+/-5	PASS
L3	Perpendicular to L1	30	60+/-5	PASS
L4	Perpendicular L2	50 plus panels weight	60+/-5	PASS

SGD Panel size= 57" x 120 11/16"
(Panel width= F.W./4)
Glass bite= 1/2" all around



1. Handle: **ZTL11**
2. Hook lock: **XGS001**
3. Cylinder: ZMX1037/T
4. Cover plate: ZMK10
5. Cylinder box: ZMH10
6. Roller: CMLF2804-K29R3.25-JL
7. Anti-strike block: T-FK-D
8. Anti-theft block: T-FDK01

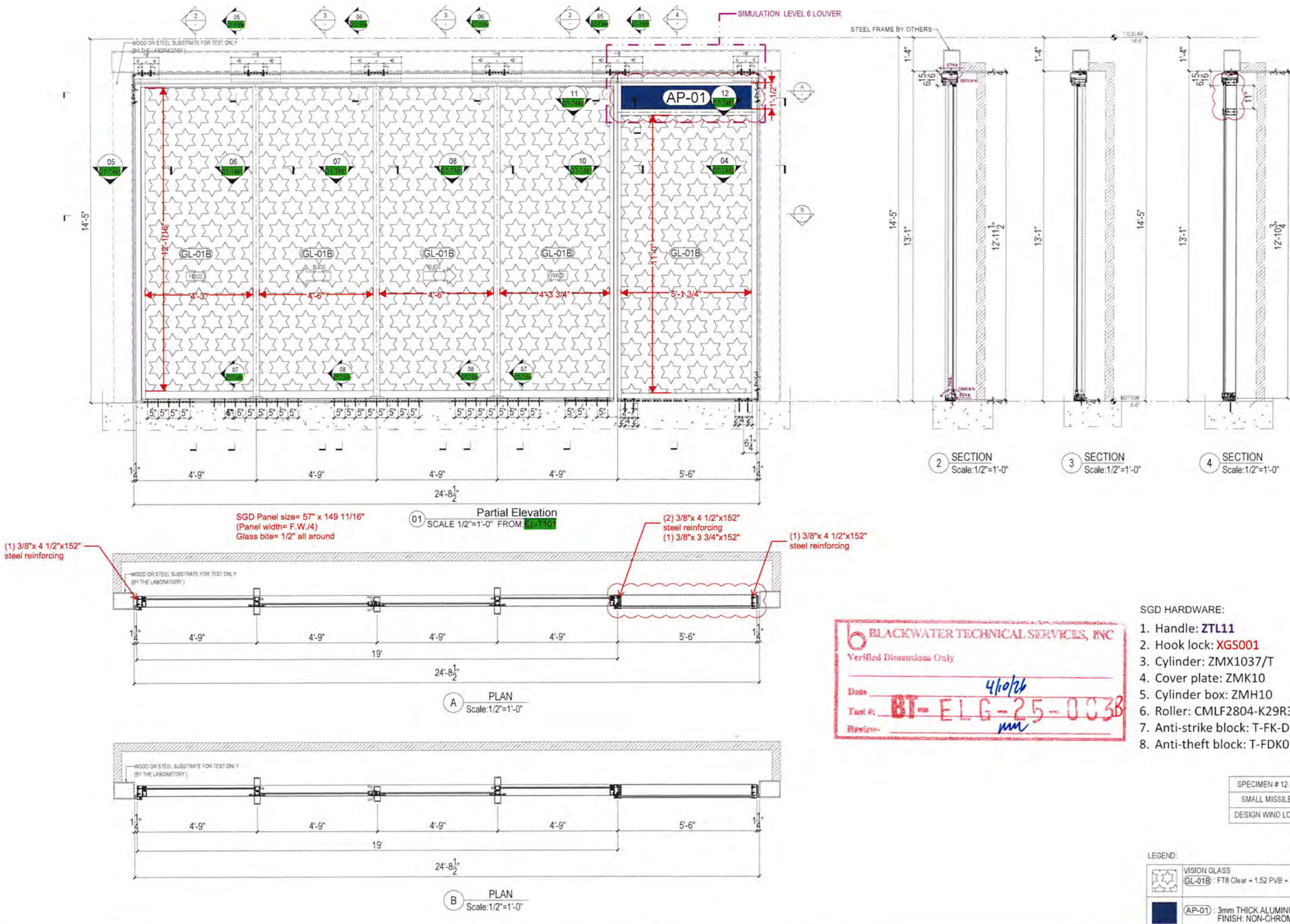


SPECIMEN # 11 @ 3th LEVEL
LARGE MISSILE IMPACT
DESIGN WIND LOAD: ± 115 PSF

VISION GLASS
(GL-01C) : HS8 Clear + 2.28SGP + HS8 Clear



Phase: TEST DRAWINGS



5	Oct. 15, 2025	REVISED AS COMMENTS
4	Sep. 4, 2025	REVISED AS COMMENTS
3	Apr. 9, 2025	REVISED AS COMMENTS
2	Jul. 09, 2024	REVISED AS COMMENTS
1	Jun. 05, 2024	Issued for review
No.	Date	Description

Revisions:

Contractor:
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40 West 57th Street, Suite 1620
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Architect:
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Facade Consultant:



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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:
SMALL MISSILE IMPACT
TESTING ELEVATION

Sheet No.: PE-T312

Date: Oct. 15, 2025

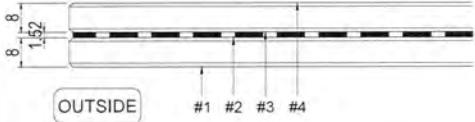
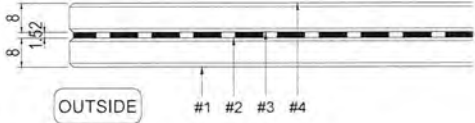
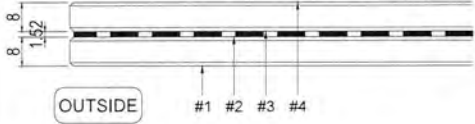
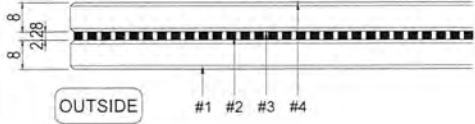
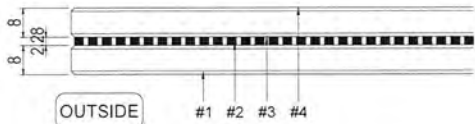
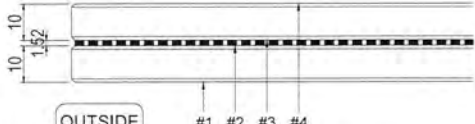
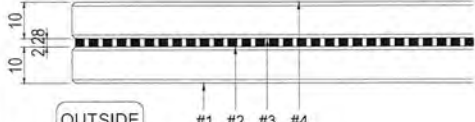
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Phase: TEST DRAWINGS

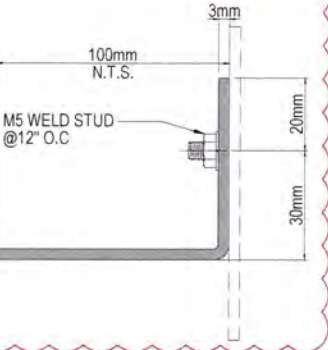
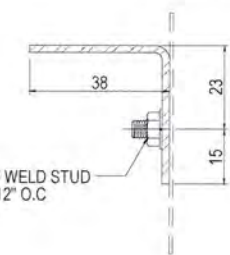
Revision No.: 5

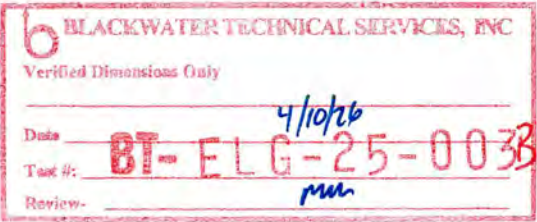
Size: 22"x34"

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	
GL-01C	GL-01C VISION GLASS : HS8 Clear + 2.28 SGP + HS8 Clear	
GL-01D	GL-01D VISION GLASS : FT8 Clear + 2.28 SGP + FT8 Clear	
GL-03	GL-03 RAILING GLASS : FT10 Clear + 1.52 SGP+ FT10 Clear WITH POLISHED VERTICAL EDGES	
GL-03A	GL-03A RAILING GLASS : FT10 Clear + 2.28 SGP+ FT10 Clear WITH POLISHED VERTICAL EDGES	

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	
SP-01	1mm THICK STEEL SHEET FINISH: COMPLYING WITH ASTM A 653, G90(Z275), ELECTRO-GALVANIZED ZINC COATING.	
SP-01a	2mm THICK STEEL PLATE STIFFENER FINISH: COMPLYING WITH ASTM A 653, G90(Z275), ELECTRO-GALVANIZED ZINC COATING.	



Job No.:

Key Plan/Elevation:



No.	Date	Description
1	Apr. 9, 2025	Issued for review

Revisions:

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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: Apr. 9, 2025 Revision No.: 1

Scale: 1'-0"=1'-0" 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°
GA03101		1:1	GA03101	SILICONE (BLACK)A65°±5°
GA04102		1:1	GA04102	SILICONE (BLACK)A65°±5°
GA04201		1:1	GA04201	RIGID BLACK PVC D80±5°
GA05201A	A30±5°A65±5°	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°
GA05162		1:1	GA05162	SILICONE (BLACK)A65°±5°
GA05167	A95±5°A65±5°	1:1	GA05167	TPV (BLACK)A65°±5°
GA05168		1:1	GA05168	SILICONE (BLACK)A65°±5°
GA05181		1:1	GA05181	SILICONE (BLACK)A65°±5°
GA05206	SPONGE (5107)A70±5°	1:1	GA05206	EPDM FOAM (BLACK) A70±5°
GA06113		1:1	GA06113	SILICONE (TRANSLUCENT) A65°±5°
GA07149		1:2	GA07149	SILICONE (BLACK)A65°±5°
GA09123		1:1	GA09123	SILICONE (BLACK)A80°±5°
GA09127		1:1	GA09127	SILICONE (BLACK)A65°±5°
GA13101		1:1	GA13101	PA66+GF25 D80°±5°
GA12108		1:1	GA12108	PA66+25%GF D80°±5°
LTL10X		-	LTL10X	HIGH STRENGTH ENGINEERING GRADE POLYMER

TAG	DIAGRAM	SCALE	DIE NO.	MATERIAL/COLOR/DUROMETER
GA01139		1:1	GA01139	SILICONE (BLACK)A65°±5°
GA01140		1:1	GA01140	SILICONE (BLACK)A65°±5°
GA01142		1:1	GA01142	SILICONE (BLACK)A65°±5°
GA01144		1:1	GA01144	SILICONE (BLACK)A65°±5°
GA01241		1:1	GA01241	SILICONE (BLACK)A65°±5°
GA01148		1:1	GA01148	SILICONE (BLACK)A65°±5°
GA01150		1:1	GA01150	SILICONE (BLACK)A65°±5°
GA01240		1:1	GA01240	SILICONE (BLACK)A65°±5°
GA01272		1:1	GA01272	SILICONE (BLACK)A65°±5°
G01		1:1	15×2	SILICONE (BLACK)A85°±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°
G06		1:1	20×8	SILICONE (BLACK)A85°±5°
G07		1:1	25×8	SILICONE (BLACK)A85°±5°
G08		1:1	25×10	SILICONE (BLACK)A85°±5°
G09		1:1	30×10	SILICONE (BLACK)A85°±5°
G10		1:1	-	POLYURETHANE FOAM (BLOCK): A7±2°

BLACK WATER TECHNICAL SERVICES, INC.
Verified Dimensions Only
4/10/26
BT-ELG-25-003B
Date: 4/10/26
Drawn: [Signature]
Reviewed: [Signature]

Job No.:
Key Plan/Elevation:

1	Apr. 9, 2025	Issued for review
No.	Date	Description

Revisions:

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Checked By:

Design Team:

Project: Shore Club
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Miami Beach, FL 33139

Title:
MATERIAL LIST
(GASKET SCHEDULE)

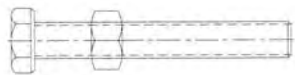
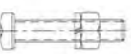
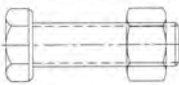
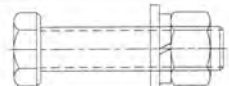
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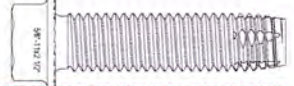
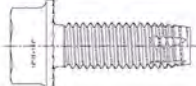
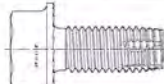
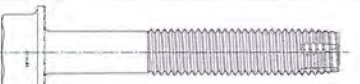
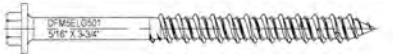
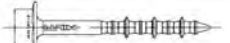
Date: Apr. 9, 2025	Revision No.: 1
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Scale: 1'-0"=1'-0"	Size: 22"x34"
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Phase: Testing Drawing

4.MATERIAL LIST OF FASTENERS

TAG	DIAGRAM	DESCRIPTION	GRADE	MATERIAL/FINISH
F1450		M10X70mm H.H. BOLT (FULL THREAD) W/ NUT	S.S. 316	STAINLESS STEEL
F1415		M6X30mm H.H. BOLT (FULL THREAD) W/ SPRING WASHER AND NUT	S.S. 316	STAINLESS STEEL
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
F1457		M12X40mm H.H. BOLT (FULL THREAD) W/ NUT	S.S. 316	STAINLESS STEEL
F1459		M12X50mm H.H. BOLT (FULL THREAD) W/ FLAT WASHER SPRING WASHER AND NUT	S.S. 316	STAINLESS STEEL
F2448		ST6.3x38mm H.W.H. S.T. SCREW	S.S. 316	STAINLESS STEEL
F2010		ST4.2x19mm PH. S.T. SCREW	S.S. 316	STAINLESS STEEL
F2022		ST4.8x19mm PH. S.T. SCREW	S.S. 316	STAINLESS STEEL
F2025		ST4.8x32mm PH. 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
F3011		ST4.2x25m PH. S.D. SCREW	S.S. 316	STAINLESS STEEL
F3019		ST4.8x16mm PH. S.D. SCREW	S.S. 316	STAINLESS STEEL
F3020		ST4.8x19mm PH. S.D. SCREW	S.S. 316	STAINLESS STEEL
F3022		ST4.8x25mm PH. S.D. SCREW	S.S. 316	STAINLESS STEEL
F3208		ST4.2x16mm FH. S.D. SCREW	S.S. 316	STAINLESS STEEL
F3211		ST4.2x25mm FH. S.D. SCREW	S.S. 316	STAINLESS STEEL
F3219		ST4.8x16mm FH. S.D. SCREW	S.S. 316	STAINLESS STEEL

TAG	DIAGRAM	DESCRIPTION	GRADE	MATERIAL/FINISH
F3220		ST4.8x19mm FH. S.D. SCREW	S.S. 316	STAINLESS STEEL
F3241		ST6.3x25mm FH. S.D. SCREW	S.S. 316	STAINLESS STEEL
F4015		M6X12mm CROSS RECESSED PAN HEAD SCREW	S.S. 316	STAINLESS STEEL
F4216		M6X16mm CROSS RECESSED COUNTERSUNK HEAD SCREW	S.S. 316	STAINLESS STEEL
F4402		M5X10mm HEXAGON LOBULAR SOCKET PAN HEAD SCREW	S.S. 316	STAINLESS STEEL
F4815		M6X16mm HEXAGON SOCKET COUNTERSUNK HEAD SCREW	S.S. 316	STAINLESS STEEL
F4816		M6X20mm HEXAGON SOCKET COUNTERSUNK HEAD SCREW	S.S. 316	STAINLESS STEEL
F4828		M8X20mm HEXAGON SOCKET COUNTERSUNK HEAD SCREW	S.S. 316	STAINLESS STEEL
F3441		ST6.3x25mm H.W.H. SD. SCREW	S.S. 316	STAINLESS STEEL
F3443		ST6.3x38mm H.W.H. SD. SCREW	S.S. 316	STAINLESS STEEL
F3445		ST6.3x50mm 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
F3602		1/2"-13 x 1 1/2" H.W.H TAPFLEX BOLT	GRADE 5: MEETS ASTM 449 SPECIFICATIONS (120KSI STRENGTH)	MATERIAL: ALLOY STEEL FINISH: SILVER STALGARD @ GB COATING
F3603		5/8"-11 x 1 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
F3605		3/8"-16 x 2" 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
F4017		M6X20mm CROSS RECESSED PAN HEAD SCREW	S.S. 316	STAINLESS STEEL
F5057		M16x25 HEXAGON SOCKET HEAD FLATNENS SET BOLT	S.S. 316	STAINLESS STEEL
F02		HILTI KH-EZ 1/2"X6" CONCRETE BOLT	-	GALVANIZED ALLOY STEEL
F03		DEWALT 5/16" x 3-3/4" HWH ULTRA CON SCREWS	-	MATERIAL: CARBON STEEL FINISH: STALGARD COATING
F7402		SCREW ANC KH-EZ 1/4" X 1-7/8"	-	GALVANIZED ALLOY STEEL

Job No.:

Key Plan/Elevation:



2 Sep. 4, 2025 REVISED AS COMMENTS

1 Apr. 9, 2025 Issued for review

No. Date Description

Revisions:

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Project: Shore Club

1901 Collins Ave.

Miami Beach, FL 33139

Title:

MATERIAL LIST
(FASTENER SCHEDULE)

Sheet No.: MA-T103

Date: Sep. 4, 2025

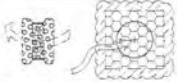
Revision No.: 2

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	
M03	OPEN CELL WEEP BAFFLE MATERIAL: OPEN CELL POLYURETHANE SPONGE	
M04	2mm THICK SILICONE SHEET	
M05	INSULATION LUG (CUP HEAD WELD PINS) MATERIAL: GALVANIZED STEEL	
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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Title:
MATERIAL LIST
(MISCELLANEOUS MATERIAL)

Sheet No.: MA-T104

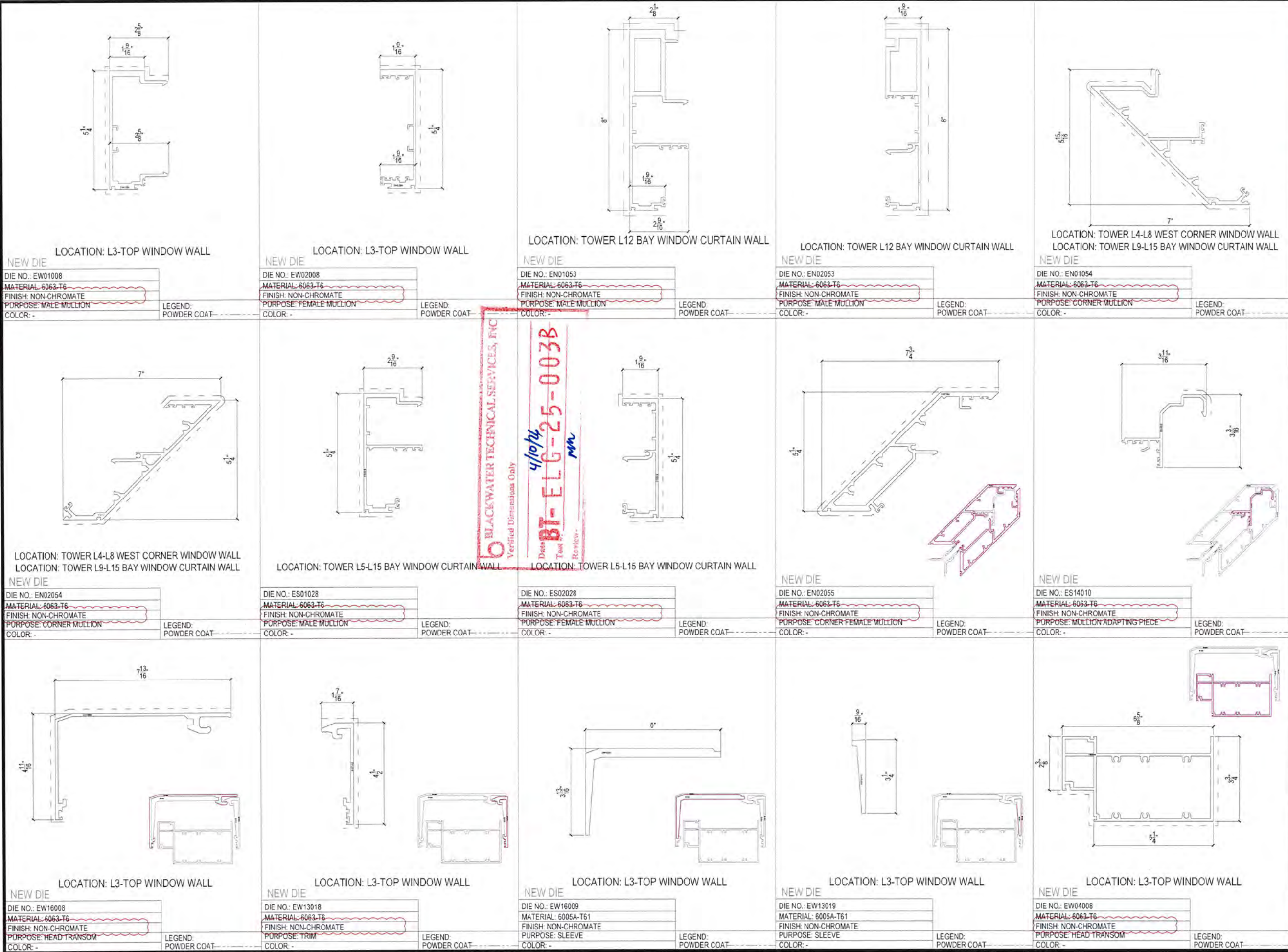
Date: Apr. 30, 2024

Revision No.: -

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

Size: 22"x34"

Phase: Testing Drawing



Job No.:
Key Plan/Elevation:

No.	Date	Description
2	Apr. 9, 2025	REVISED AS COMMENTS
1	Jul. 9, 2024	Issued for review

Revisions:

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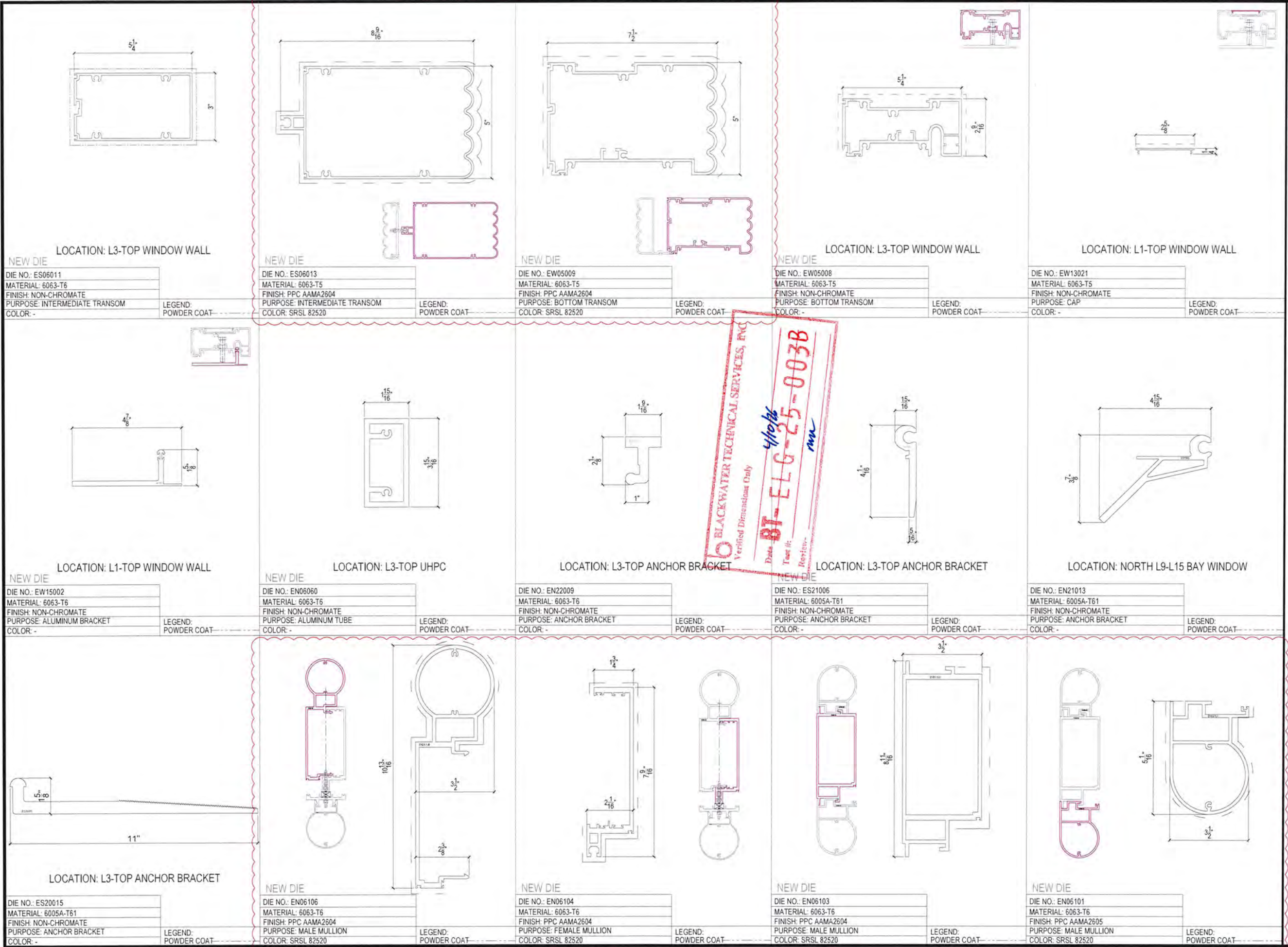
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MATERIAL LIST
(ALUMINUM EXTRUSION SCHEDULE)

Sheet No.: MA-T105

Date: Apr. 9, 2025
Revision No.: 2

Scale: 6"=1'-0"
Size: 22"x34"

Phase: Testing Drawing



No.	Date	Description
2	Apr. 9, 2025	REVISED AS COMMENTS
1	Jul. 9, 2024	Issued for review

Revisions:

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Design Team:

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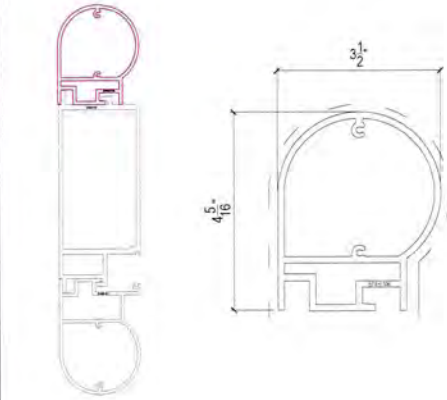
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(ALUMINUM EXTRUSION SCHEDULE)

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Date: Apr. 9, 2025 Revision No.: 2

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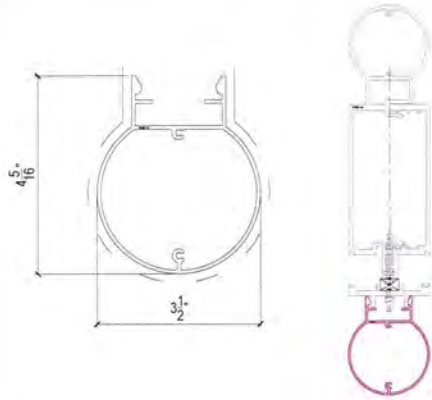
Phase: Testing Drawing



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MATERIAL: 6063-T6
FINISH: PPC AAMA2604
PURPOSE: MALE MULLION
COLOR: SRSL 82520

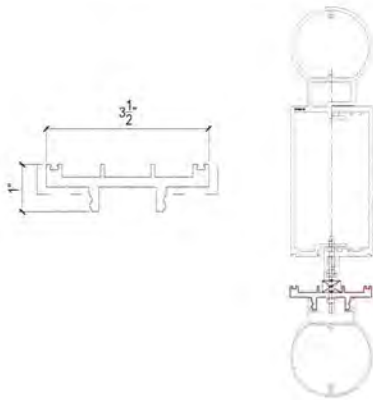
LEGEND:
POWDER COAT



NEW DIE

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MATERIAL: 6063-T6
FINISH: PPC AAMA2605
PURPOSE: FEMALE MULLION
COLOR: SRSL 82520

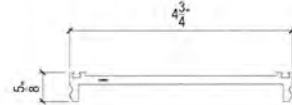
LEGEND:
POWDER COAT



NEW DIE

DIE NO.: EN32019
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FINISH: PPC AAMA2605
PURPOSE: MALE MULLION
COLOR: SRSL 82520

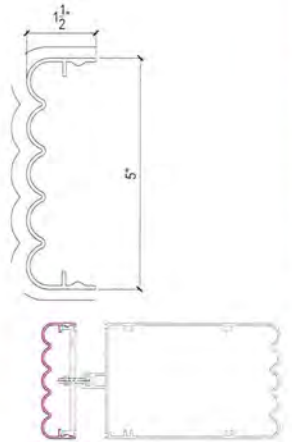
LEGEND:
POWDER COAT



NEW DIE

DIE NO.: EN06031
MATERIAL: 6005A-T61
FINISH: NON-CHROMATE
PURPOSE: FIN BRACKET
COLOR: -

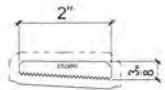
LEGEND:
POWDER COAT



NEW DIE

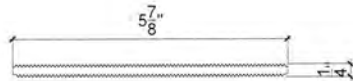
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FINISH: PPC AAMA2605
PURPOSE: EXTERIOR TRIM
COLOR: SRSL 82520

LEGEND:
POWDER COAT



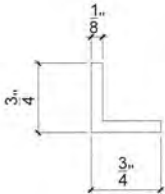
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MATERIAL: 6005A-T61
FINISH: NON-CHROMATE
PURPOSE: SERRATED SHIM
COLOR: -

LEGEND:
POWDER COAT



DIE NO.: EN23004
MATERIAL: 6063-T5
FINISH: NON-CHROMATE
PURPOSE: SERRATED SHIM
COLOR: -

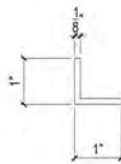
LEGEND:
POWDER COAT



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

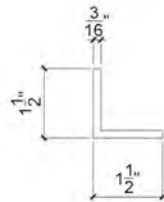
DIE NO.: 1307
MATERIAL: 6063-T5
FINISH: NON-CHROMATE
PURPOSE: ANGLE
COLOR: -

LEGEND:
POWDER COAT



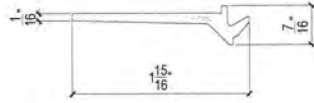
DIE NO.: 1308
MATERIAL: 6063-T5
FINISH: NON-CHROMATE
PURPOSE: ANGLE
COLOR: -

LEGEND:
POWDER COAT



DIE NO.: 200090
MATERIAL: 6063-T5
FINISH: NON-CHROMATE
PURPOSE: ANGLE
COLOR: -

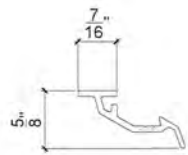
LEGEND:
POWDER COAT



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

DIE NO.: ES11010
MATERIAL: 6005A-T61
FINISH: NON-CHROMATE
PURPOSE: SETTING BLOCK CHAIR
COLOR: -

LEGEND:
POWDER COAT



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

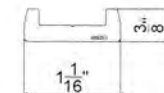
DIE NO.: EW12002
MATERIAL: 6063-T6
FINISH: NON-CHROMATE
PURPOSE: ANTI-BUCKLING CLIP
COLOR: -

LEGEND:
POWDER COAT



DIE NO.: EN51007
MATERIAL: 6005A-T61
FINISH: NON-CHROMATE
PURPOSE: SERRATED ANGLE
COLOR: -

LEGEND:
POWDER COAT



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

DIE NO.: ES22001
MATERIAL: 6005A-T61
FINISH: NON-CHROMATE
PURPOSE: BEARING CHANNEL
COLOR: -

LEGEND:
POWDER COAT

Job No.:

Key Plan/Elevation:



No.	Date	Description
2	Apr. 9, 2025	REVISED AS COMMENTS
1	Jul. 9, 2024	Issued for review

Contractor:
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Checked By:

Design Team:

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

Title:
MATERIAL LIST
(ALUMINUM EXTRUSION SCHEDULE)

Sheet No.: MA-T107

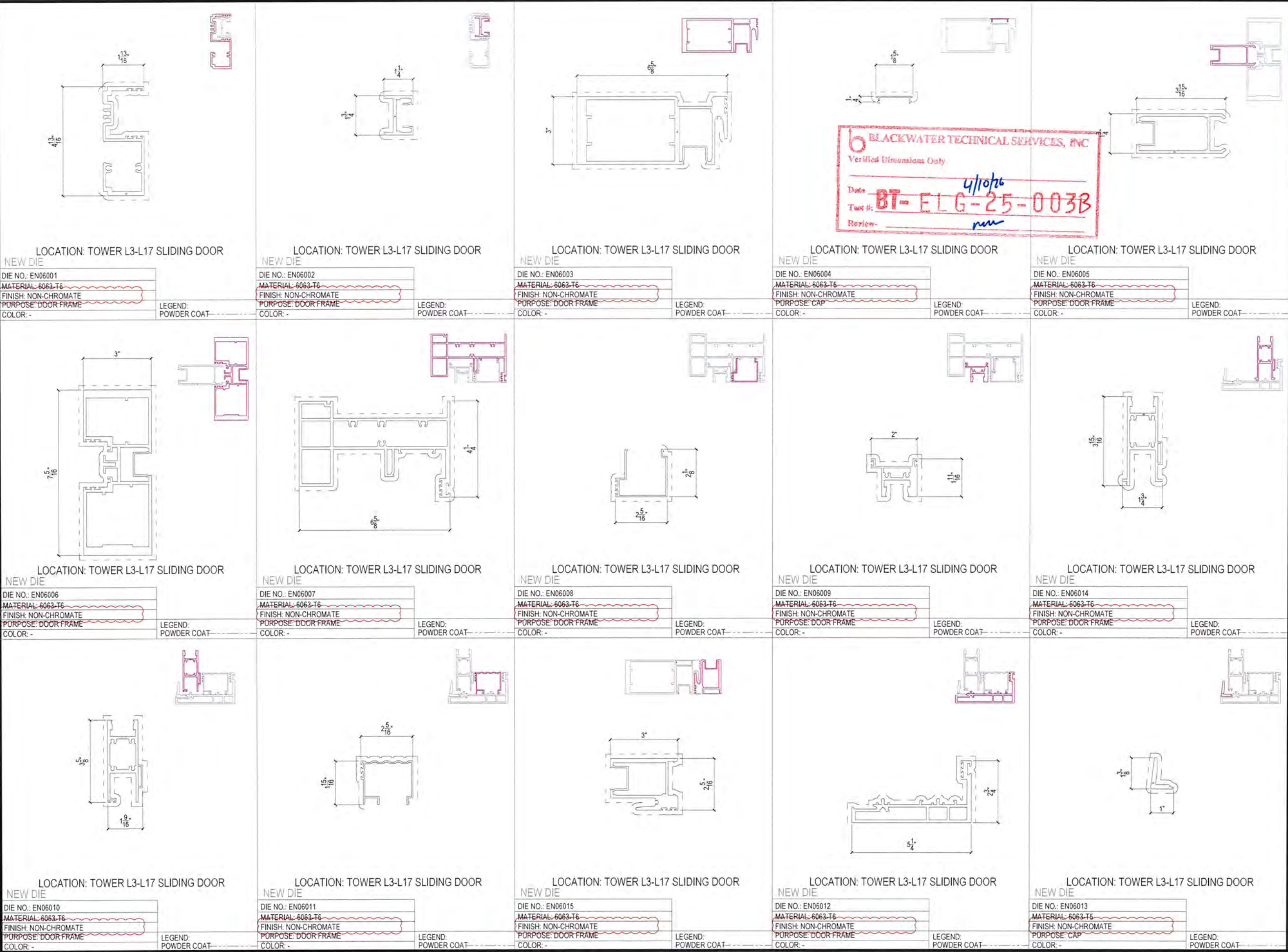
Date: Apr. 9, 2025

Revision No.: 2

Scale: 6"=1'-0"

Size: 22"x34"

Phase: Testing Drawing



Job No.:

Key Plan/Elevation:

No.	Date	Description
1	Apr. 9.2025	Issued for review

Revisions:

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Project: Shore Club
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Title:
MATERIAL LIST
(ALUMINUM EXTRUSION SCHEDULE)

Sheet No.: MA-T108

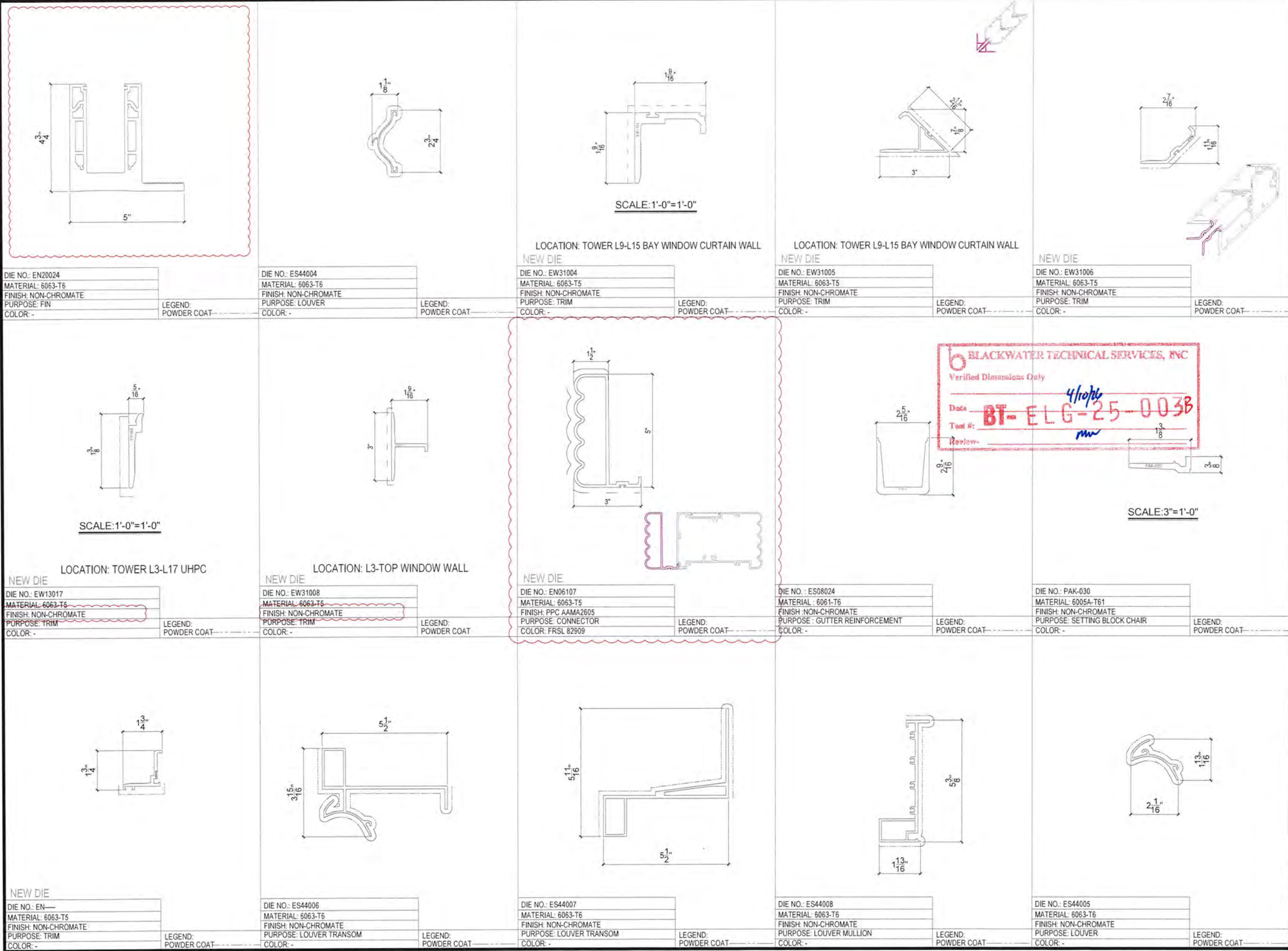
Date: Apr. 9,2025

Revision No.: 1

Scale: 6"=1'-0"

Size: 22"x34"

Phase: Testing Drawing



Job No.:
Key Plan/Elevation:

No.	Date	Description
3	Sep. 4, 2025	REVISED AS COMMENTS
2	Apr. 9, 2025	REVISED AS COMMENTS
1	Jul. 9, 2024	Issued for review

Revisions:

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Title:
MATERIAL LIST
(ALUMINUM EXTRUSION SCHEDULE)

Sheet No.: MA-T109

Date: Sep. 4, 2025	Revision No.: 3
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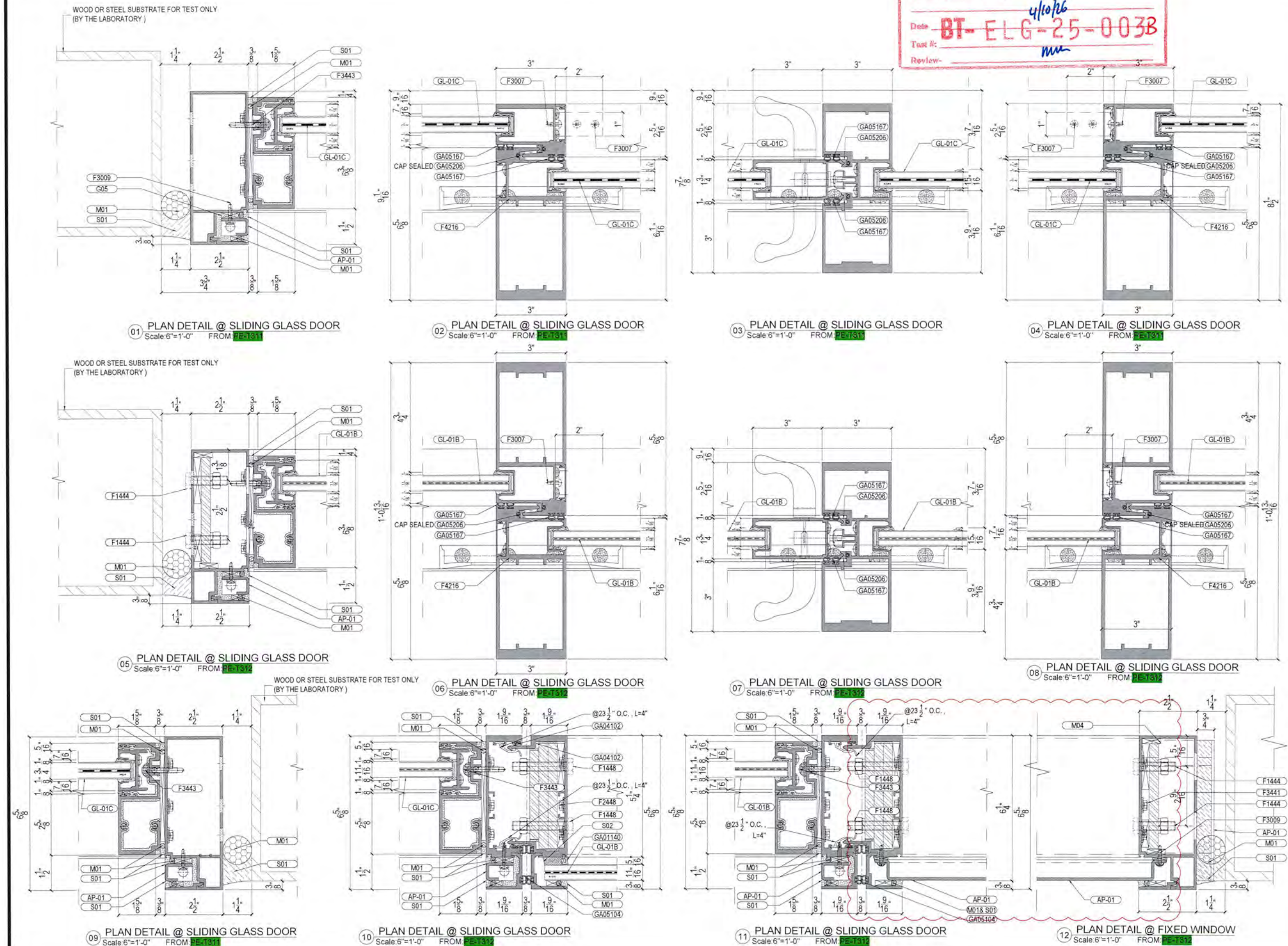
Scale: 6"=1'-0" Size: 22"x34"

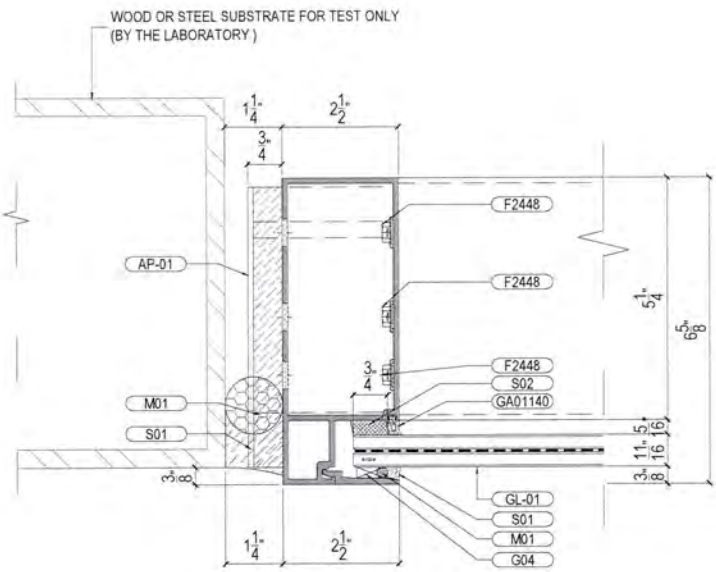
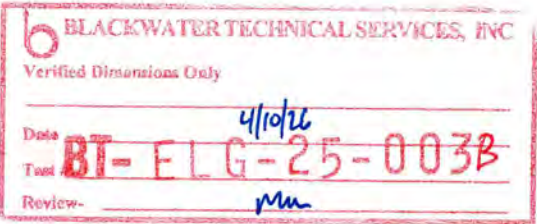
Phase: Testing Drawing

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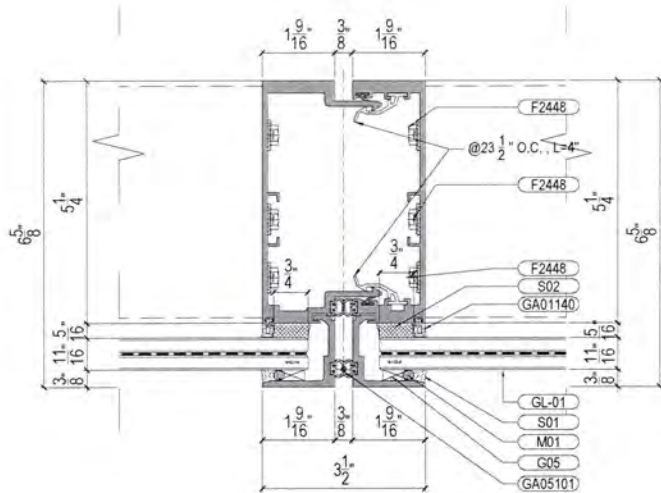


Phase: TESTING DRAWINGS

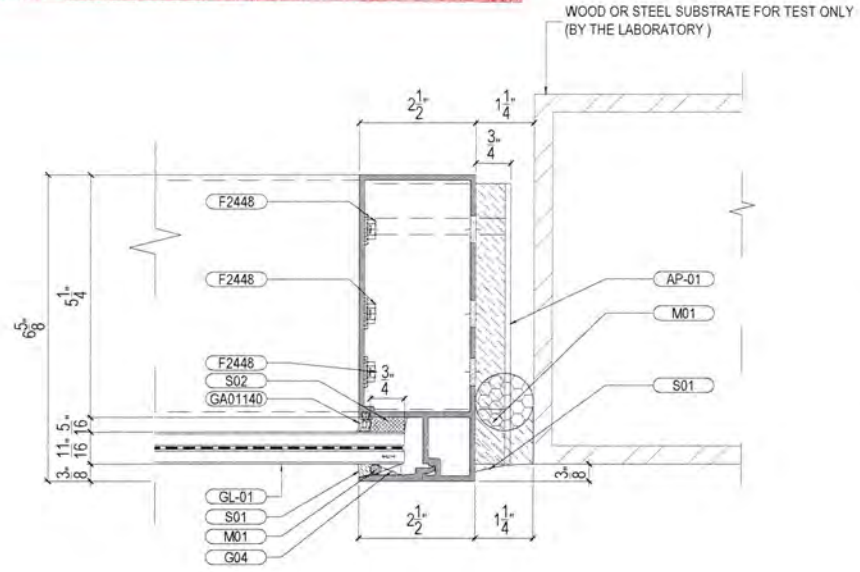




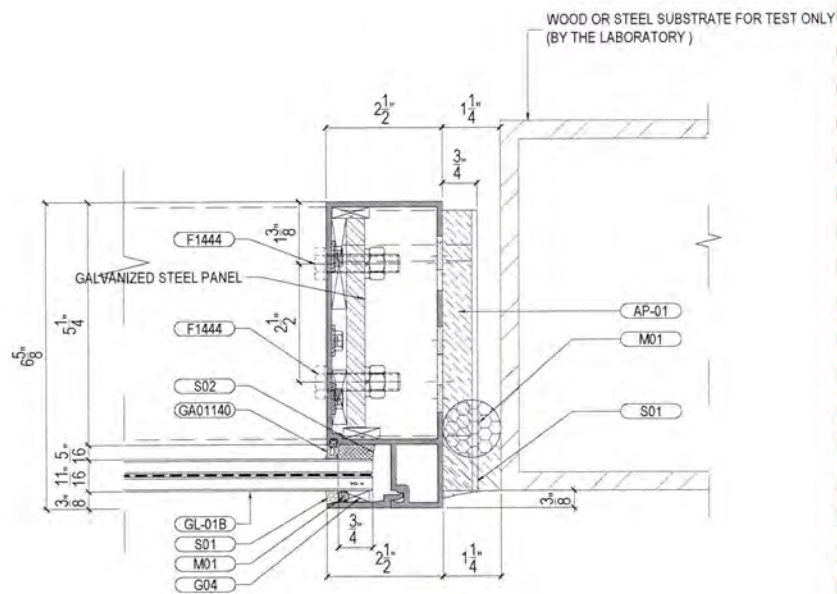
01 PLAN DETAIL @ FIXED WINDOW
Scale: 6"=1'-0" FROM: F-1312



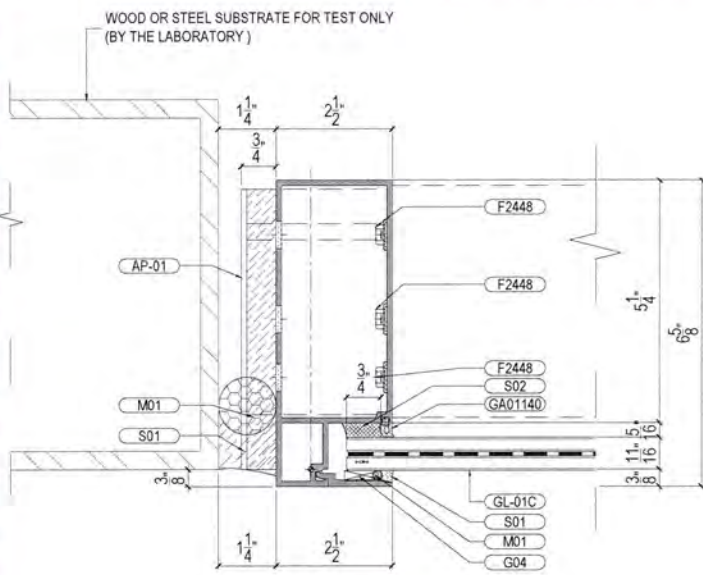
02 PLAN DETAIL @ FIXED WINDOW
Scale: 6"=1'-0" FROM: F-1312



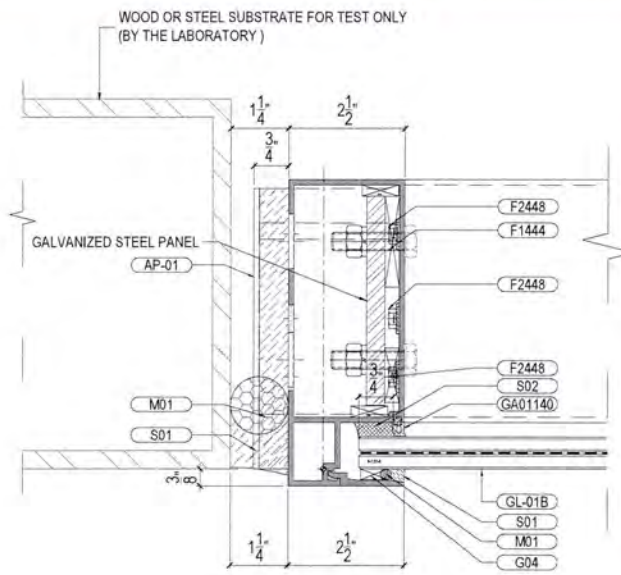
03 PLAN DETAIL @ FIXED WINDOW
Scale: 6"=1'-0" FROM: F-1312



04 PLAN DETAIL @ FIXED WINDOW
Scale: 6"=1'-0" FROM: F-1312



05 PLAN DETAIL @ FIXED WINDOW
Scale: 6"=1'-0" FROM: F-1312



06 PLAN DETAIL @ FIXED WINDOW
Scale: 6"=1'-0" FROM: F-1312



No.	Date	Description
1	Jul. 09, 2024	Issued for review

Revisions:

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Project: Shore Club
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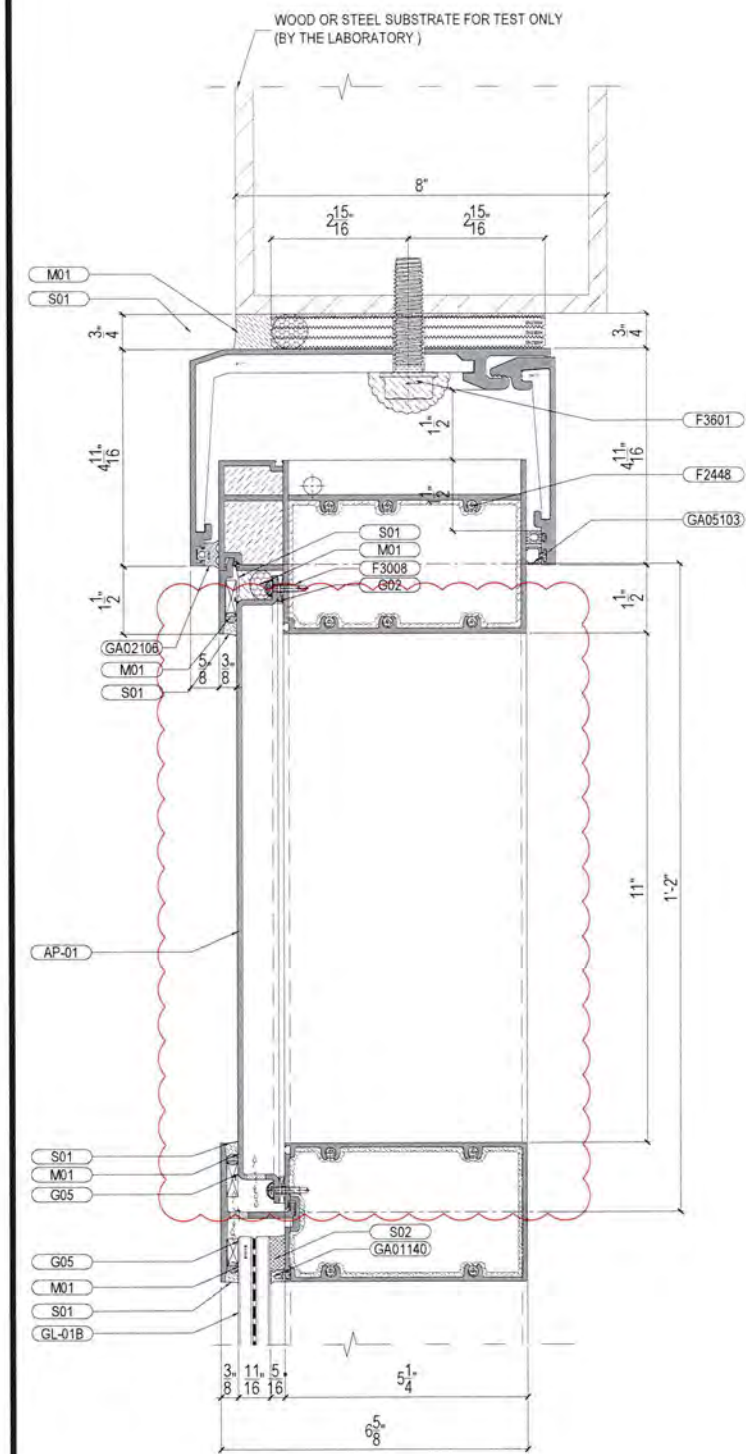
Title:
PLAN DETAIL
@ FIXED WINDOW

Sheet No.: DT-T462

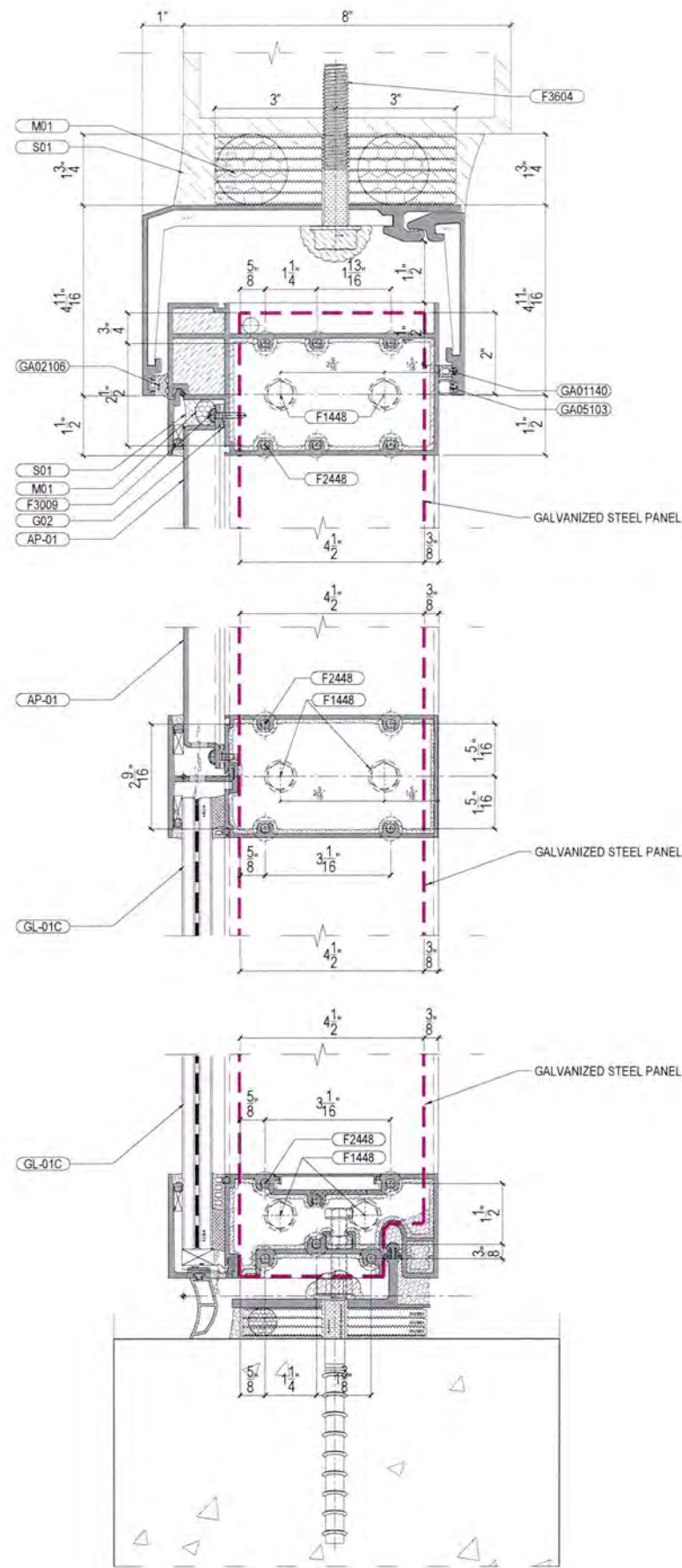
Date: Jul. 09, 2024 Revision No.: 1

Scale: 6"=1'-0" Size: 22"x34"

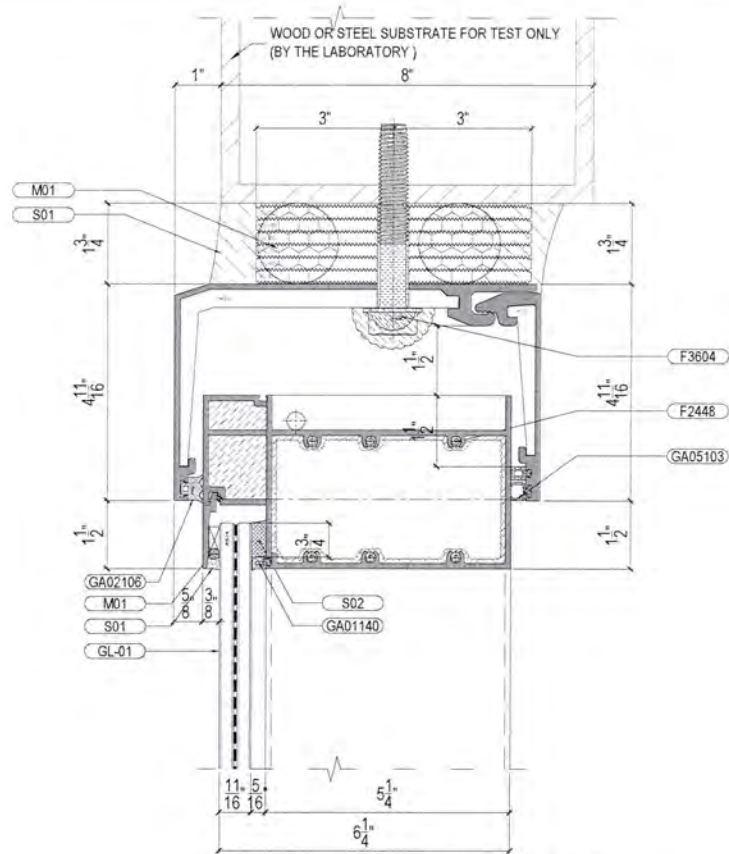
Phase: TESTING DRAWINGS



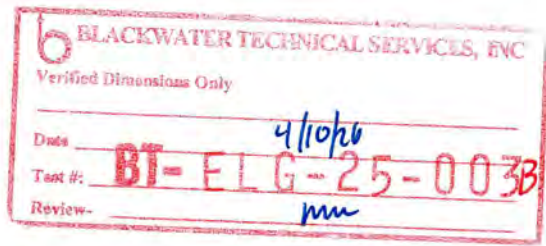
01 VERTICAL SECTION @ FIXED WINDOW
Scale 6"=1'-0" FROM BT-1451



02 VERTICAL SECTION @ FIXED WINDOW
Scale 6"=1'-0" FROM BT-1451



03 VERTICAL SECTION @ FIXED WINDOW
Scale 6"=1'-0" FROM BT-1451



Job No.:

Key Plan/Elevation:



No.	Date	Description
3	Oct. 15, 2025	REVISED AS COMMENTS
2	Sep. 4, 2025	REVISED AS COMMENTS
1	Apr. 9, 2025	Issued for review

Revisions:

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Project: Shore Club
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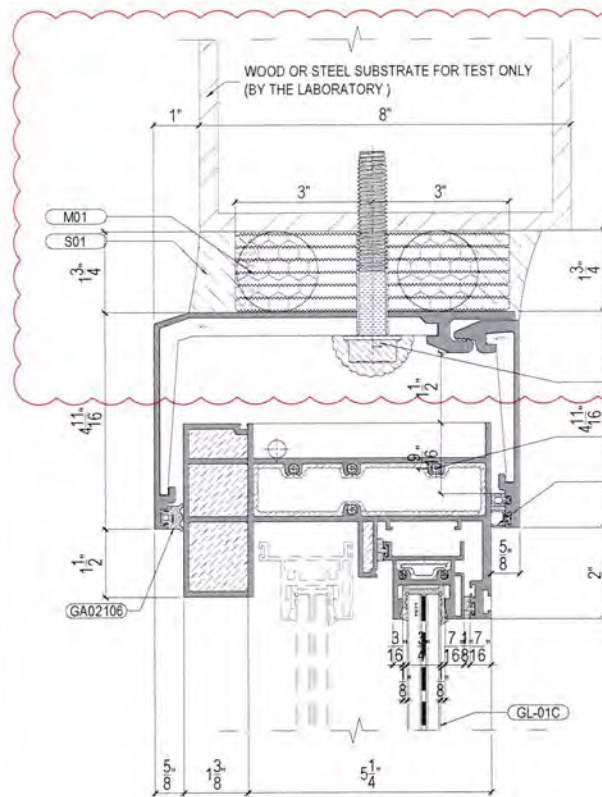
Title:
PLAN DETAIL
@ VISION & FIN

Sheet No.: DT-T553

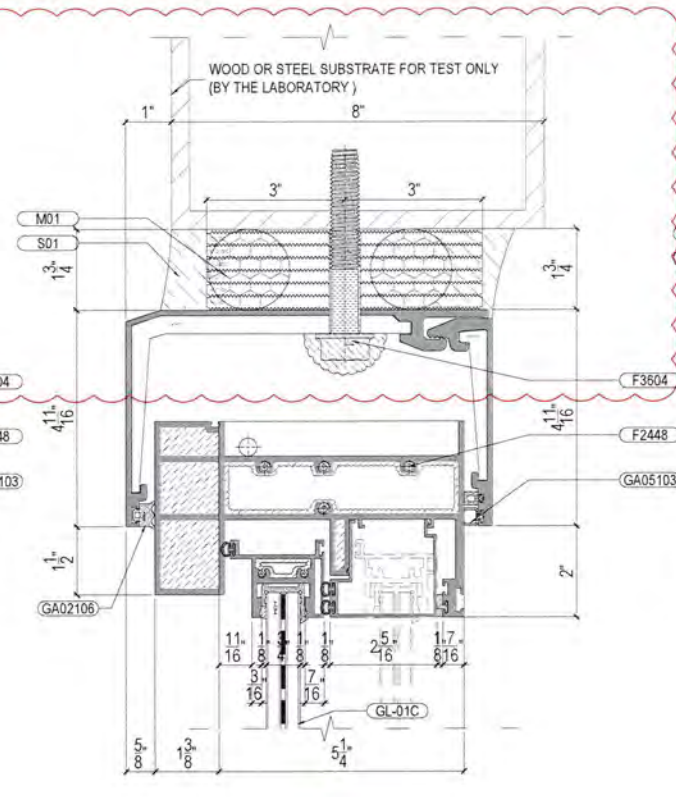
Date: Oct. 15, 2025 Revision No.: 3

Scale: 6"=1'-0" Size: 22"x34"

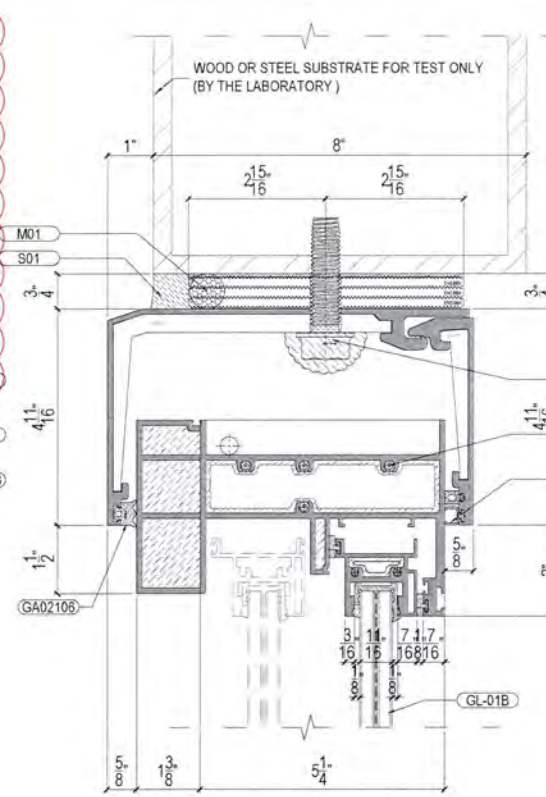
Phase: TESTING DRAWINGS



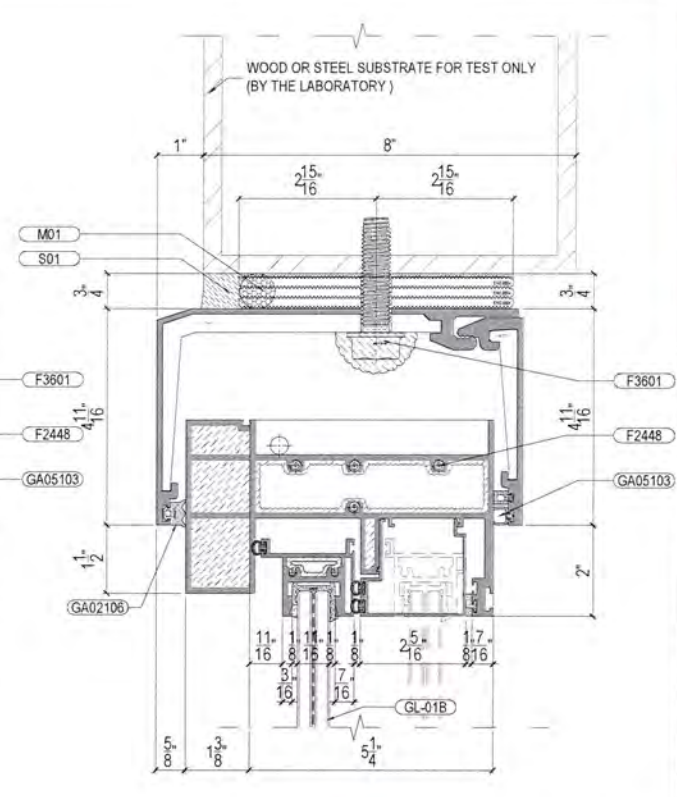
01 VERTICAL SECTION @ SLIDING GLASS DOOR
Scale: 6"=1'-0" FROM: F-1311



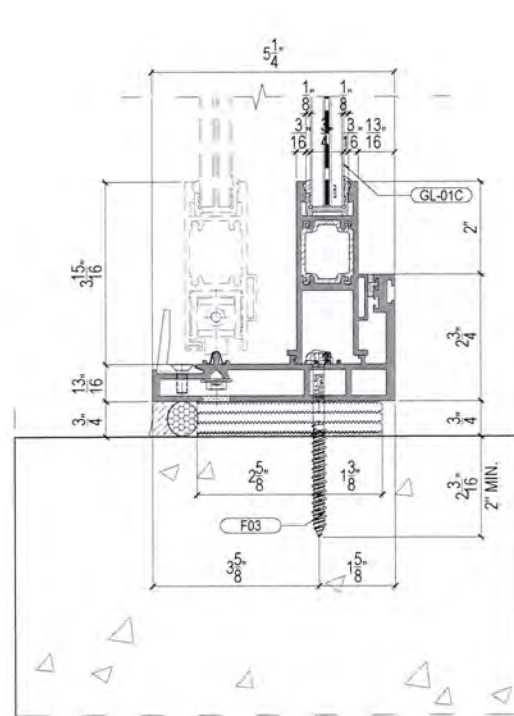
02 VERTICAL SECTION @ SLIDING GLASS DOOR
Scale: 6"=1'-0" FROM: F-1311



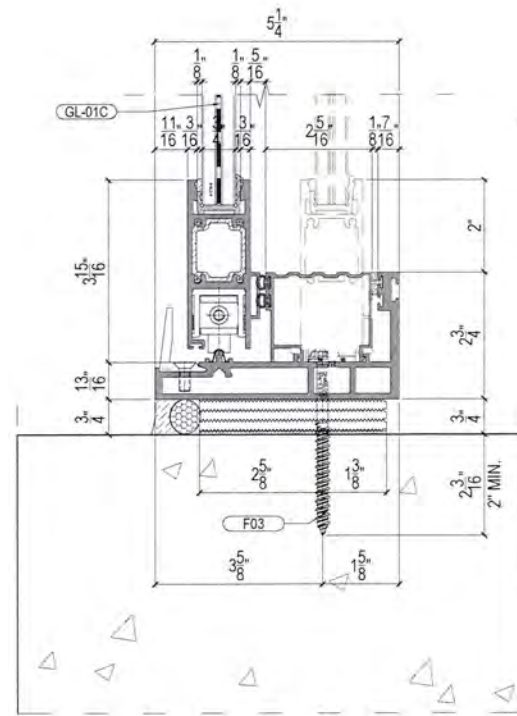
05 VERTICAL SECTION @ SLIDING GLASS DOOR
Scale: 6"=1'-0" FROM: F-1312



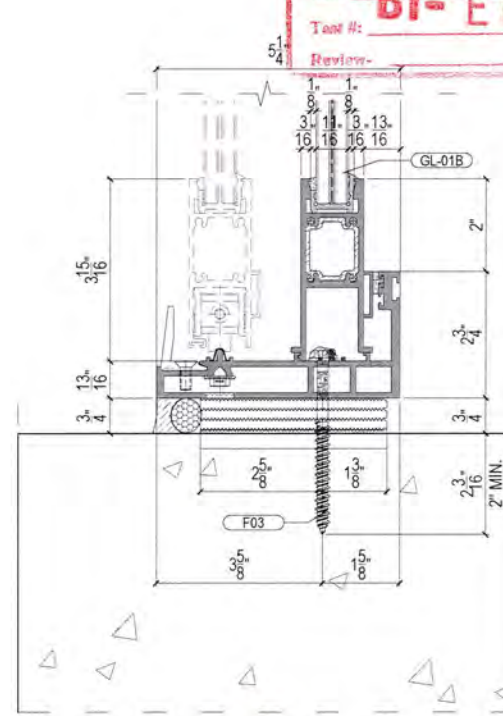
06 VERTICAL SECTION @ SLIDING GLASS DOOR
Scale: 6"=1'-0" FROM: F-1312



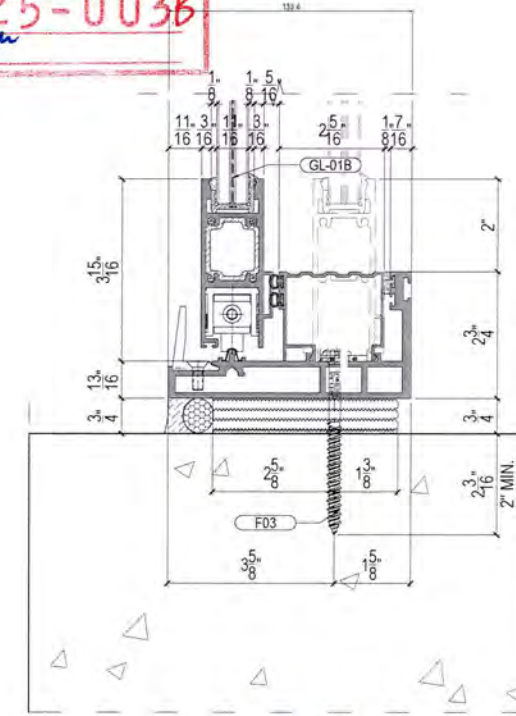
03 VERTICAL SECTION @ SLIDING GLASS DOOR
Scale: 6"=1'-0" FROM: F-1311



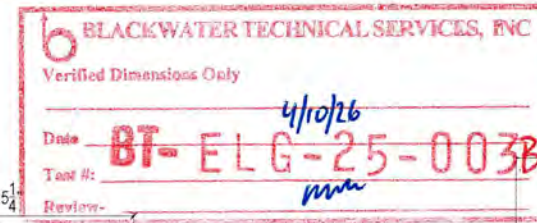
04 VERTICAL SECTION @ SLIDING GLASS DOOR
Scale: 6"=1'-0" FROM: F-1311



07 VERTICAL SECTION @ SLIDING GLASS DOOR
Scale: 6"=1'-0" FROM: F-1312



08 VERTICAL SECTION @ SLIDING GLASS DOOR
Scale: 6"=1'-0" FROM: F-1312



Job No.:

Key Plan/Elevation:



1 Sep. 4, 2025 Issued for review

No. Date Description

Revisions:

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Project: Shore Club
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Title:

VERTICAL SECTION
@ FIXED WINDOW

Sheet No.: DT-T554

Date: Sep. 4, 2025

Revision No.: 1

Scale: 6"=1'-0"

Size: 22"x34"

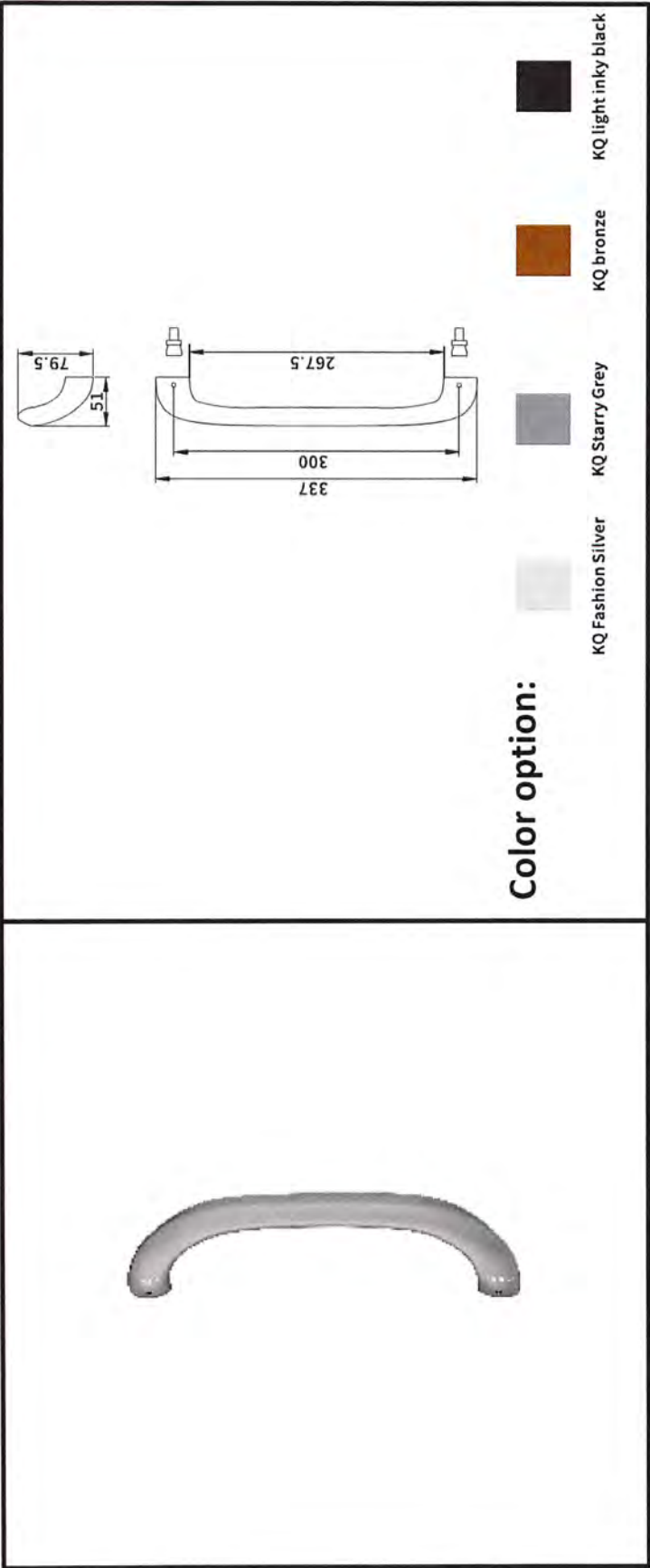
Phase: TESTING DRAWINGS

-Sliding Door Hardware

1. Handle: **ZTL11**
2. Hook lock: **XGS001**
3. Cylinder: ZMX1037/T
4. Cover plate: ZMK10
5. Cylinder box: ZMH10
6. Roller: CMLF2804-K29R3.25-JL
7. Anti-strike block: T-FK-D
8. Anti-theft block: T-FDK01

BLACKWATER TECHNICAL SERVICES, INC	
Verified Dimensions Only	
Date	4/10/26
Task	BT-ELG-25-003B
Review	mm

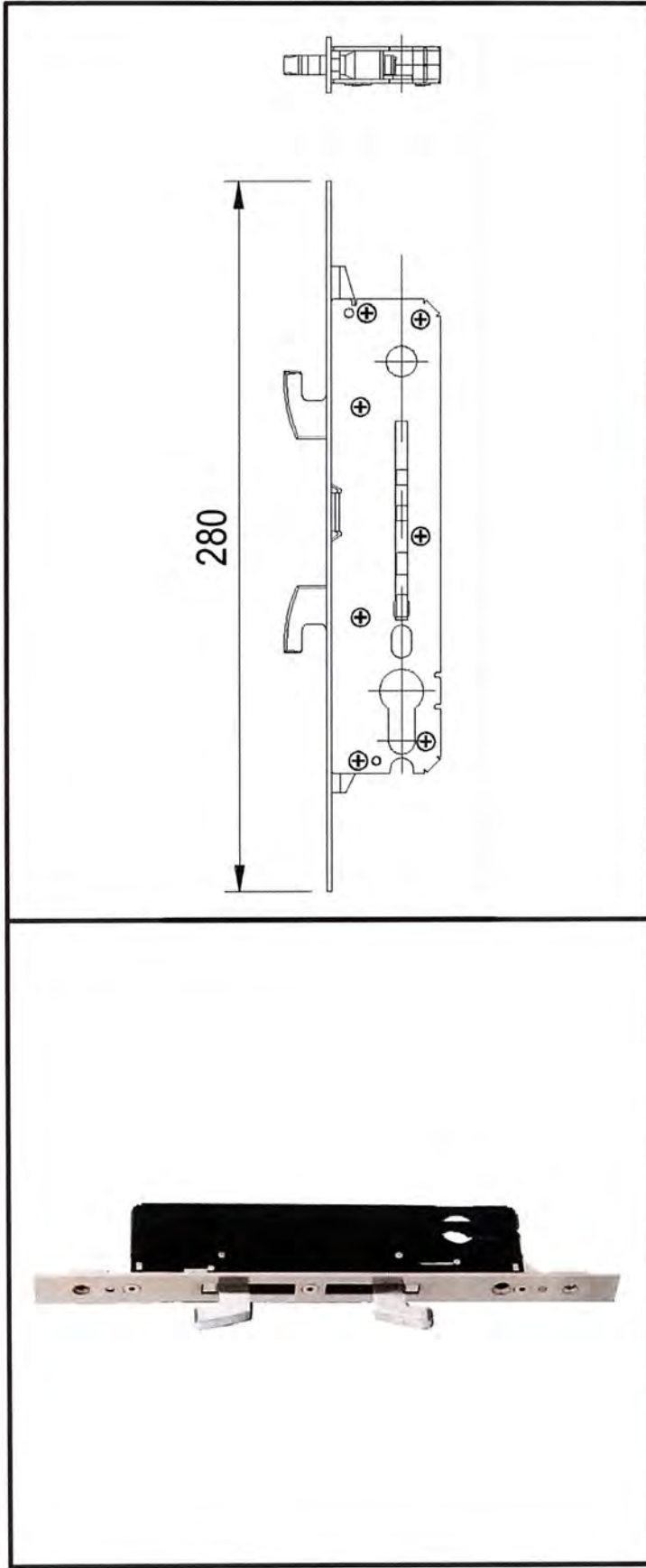
1. Handle: ZTL11



Basic Information of Fittings

- Material: Aluminum alloy
- Surface treatment: Amino paint (White)
- Feature:
- Adapting system: Sliding door
 - Center distance: 300mm

2. Hook lock: XGS001



Basic Information of Fittings

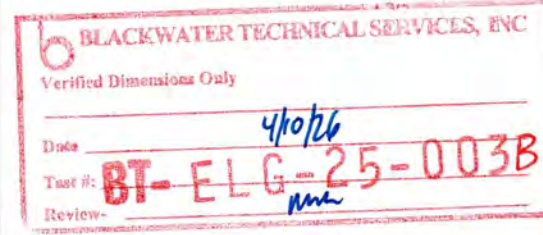
Material: Carbon steel

Surface treatment: Hairline

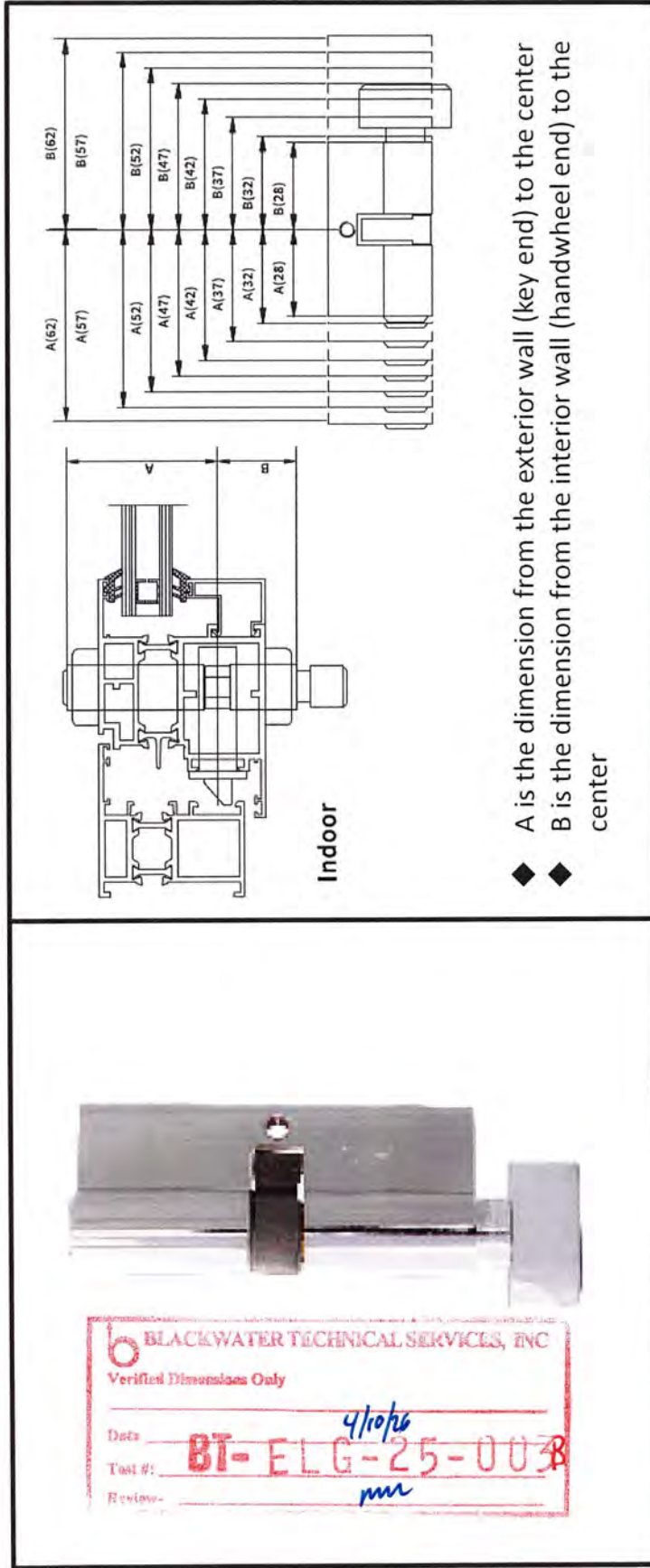
Feature:

- Adapting system: Sliding door

Technical parameters: Center distance 28mm



3. Cylinder: ZMX1037/T



Basic Information of Fittings

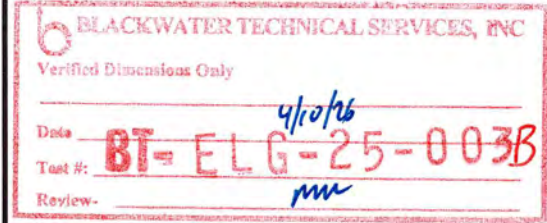
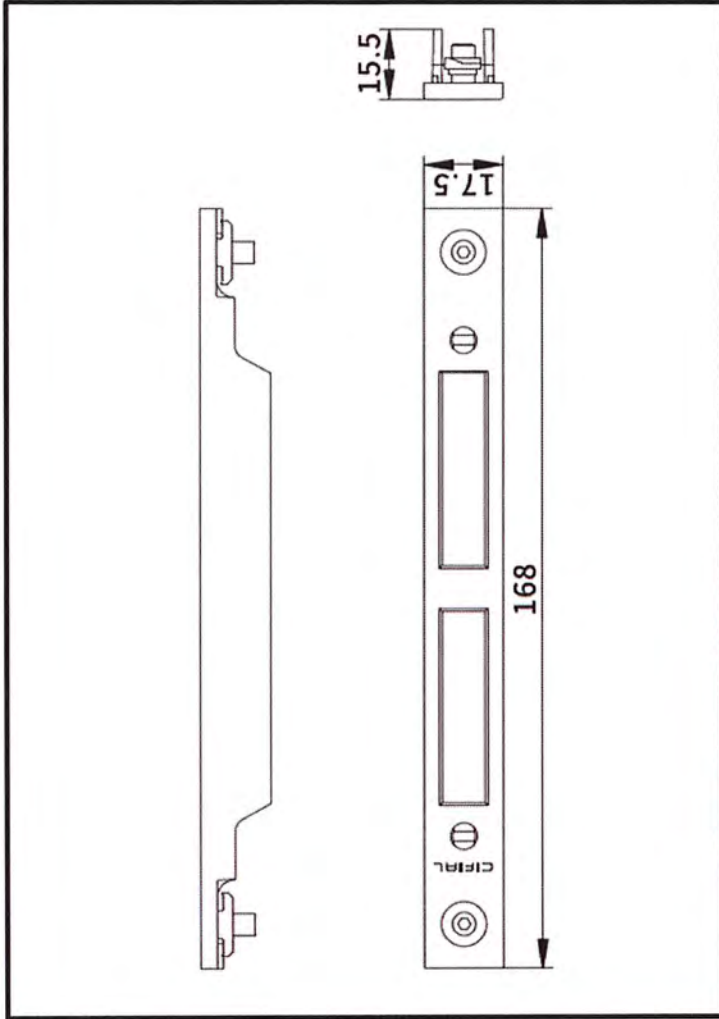
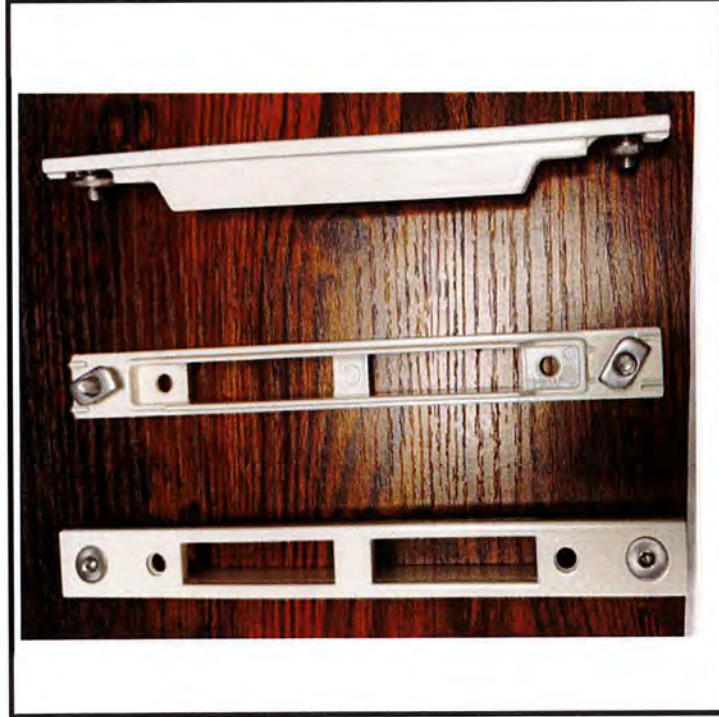
Material: Brass

Surface treatment: Chrome plating

Feature:

- Adapting system: Sliding door, swing door, used together with door lock and hook lock
- Option: ZMXAB (double sided key)

4. Cover plate: ZMK10



Basic Information of Fittings

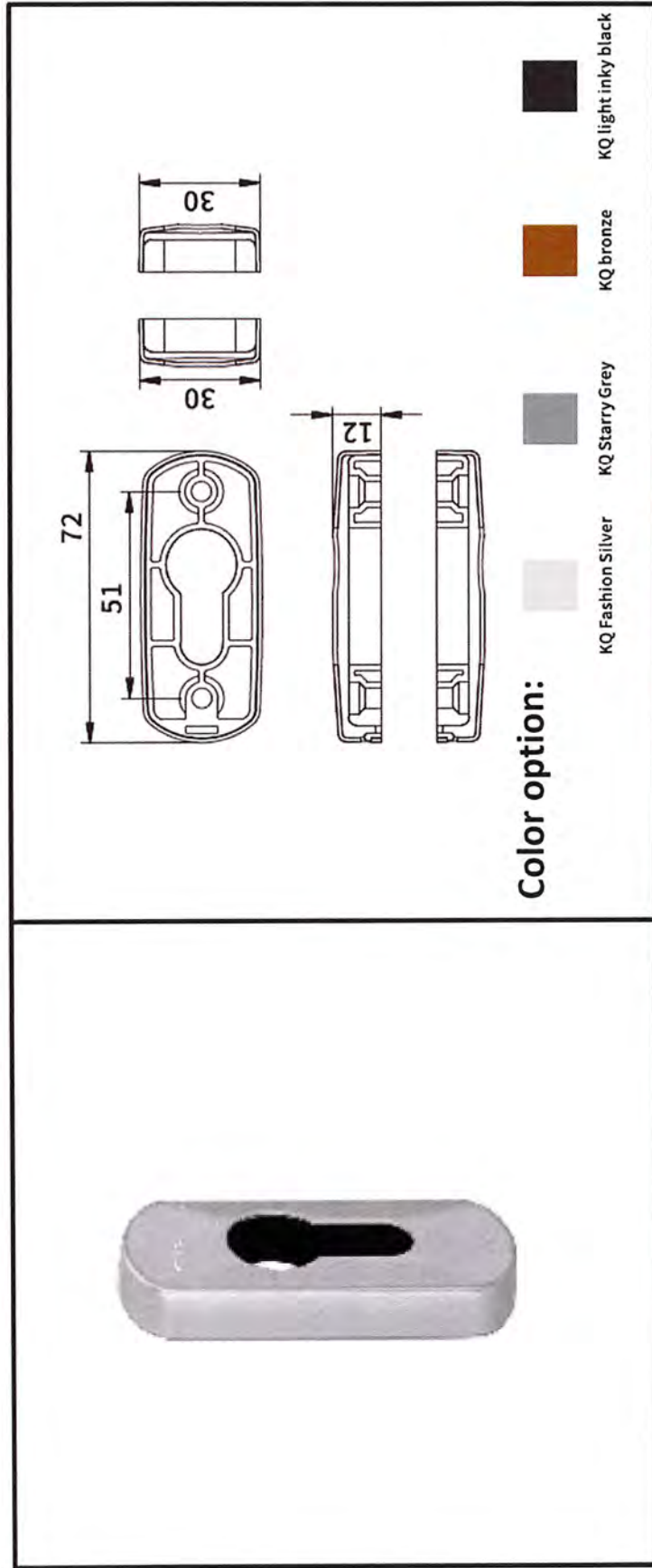
Material: Zinc alloy

Color: White

Feature:

- Adapting system: Sliding door

5. Cylinder box: ZMH10



Basic Information of Fittings

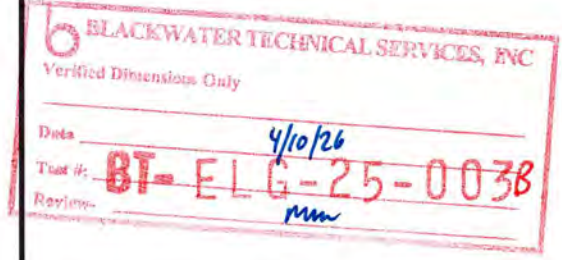
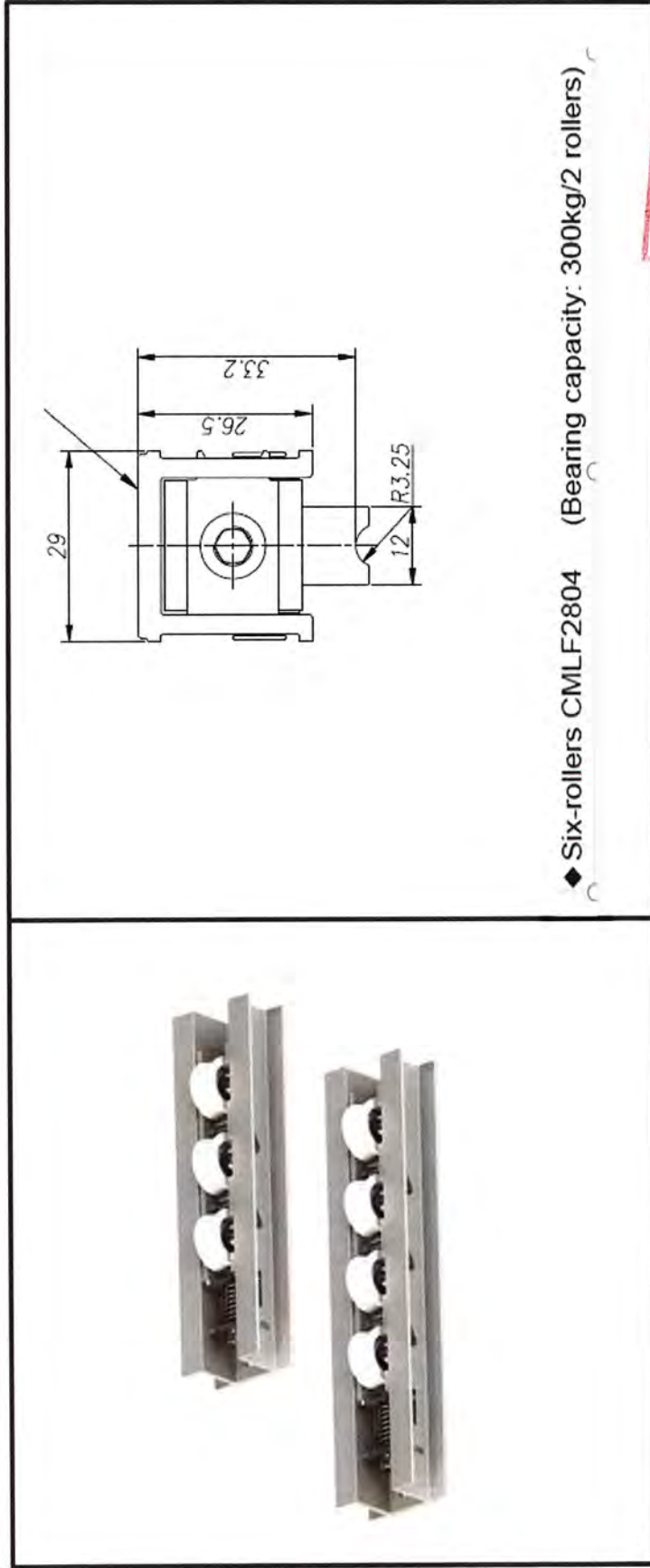
Material: Aluminum alloy

Surface treatment: Amino paint(White)

Feature:

- Adapting system: Sliding door, swing doors

6. Roller: CMLF2804-K29R3.25-JL



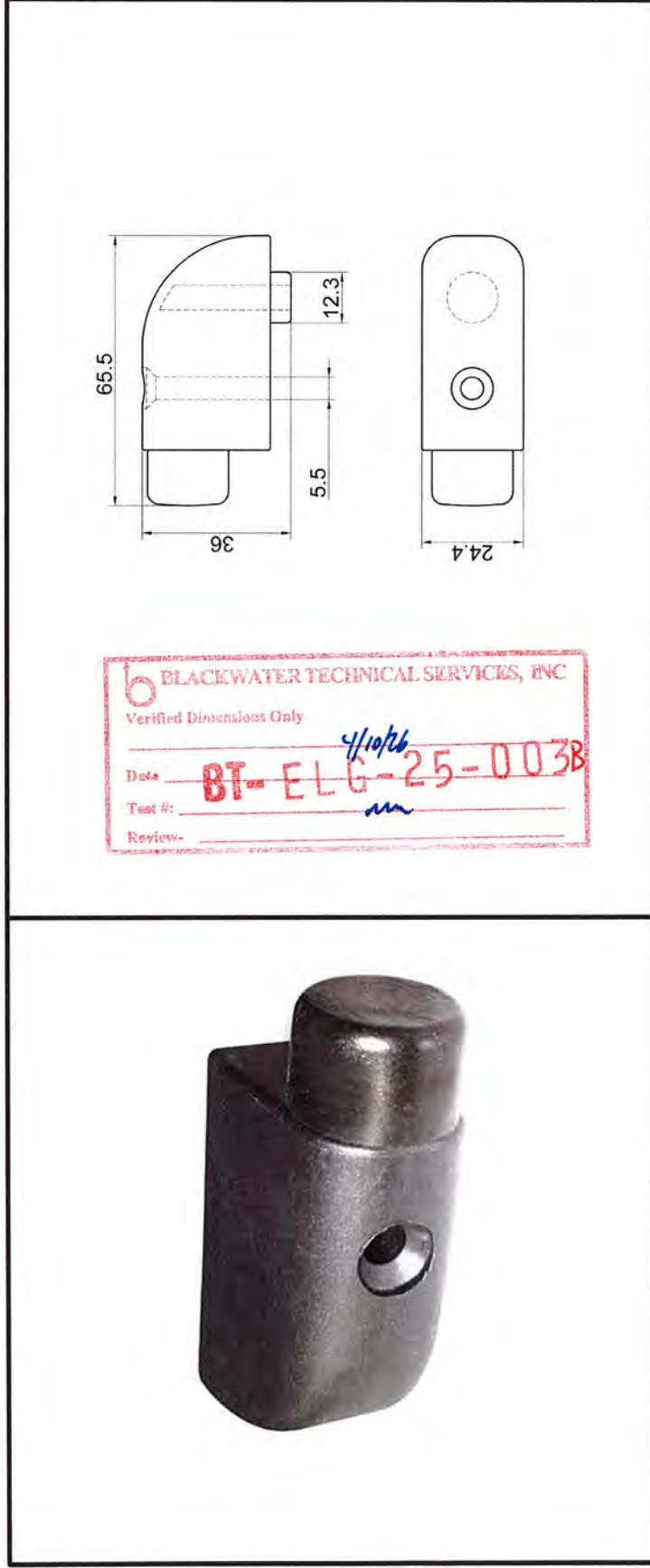
Basic Information of Fittings

Material: Aluminum alloy outer shell in nature color, S.S. wheel in Hairline

Feature:

- Good anti-corrosion performance, beautiful and generous appearance
- Simple design: can achieve modular, standardization producing
- Fixing Screw: self-drilling tapping screw/ tapping screw ST4.2
- Customization: Width 29mm; Roller Angle

8. Anti-strike block: T-FK-D



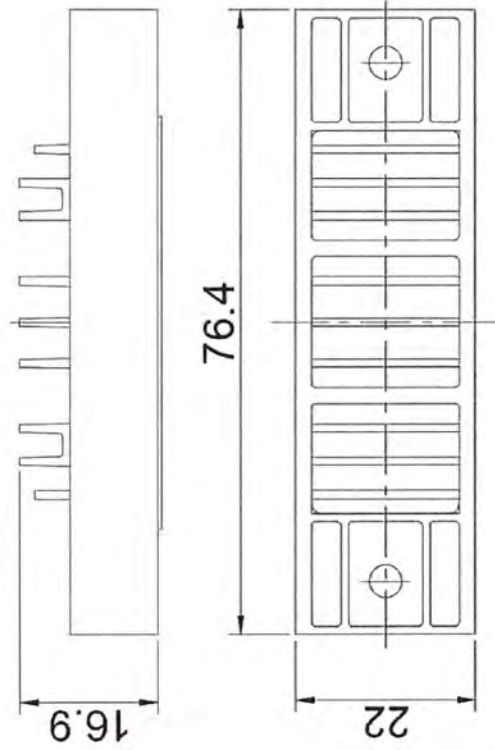
Basic Information of Fittings

Material: Polyamide + rubber

Feature:

- High quality rubber, can well absorb the impact force of inertia, to effectively prevent hardware damage and prolong life
- Set positioning post for quick fixing

9. Anti-theft block: T-FDK01



Basic Information of Fittings

Material: Polyamide + rubber

Feature:

- Improve the safety performance
- Adopt superior polyamide materials