

GLAS-CALIFORNIA, INC DBA GLAS- CALIFORNIA. FLORIDA BUILDING CODE TEST REPORT

SCOPE OF WORK

TAS 201, TAS 202 AND TAS 203 TESTING ON SLIDING DOORS.

REPORT NUMBER

240412004SHF-002

TEST DATE(S)

2024-04-24 – 2024-06-13

ISSUE DATE

2024-11-21

RECORD RETENTION END DATE

2034-06-13

LABORATORY CERTIFICATION NO.

TST 11491

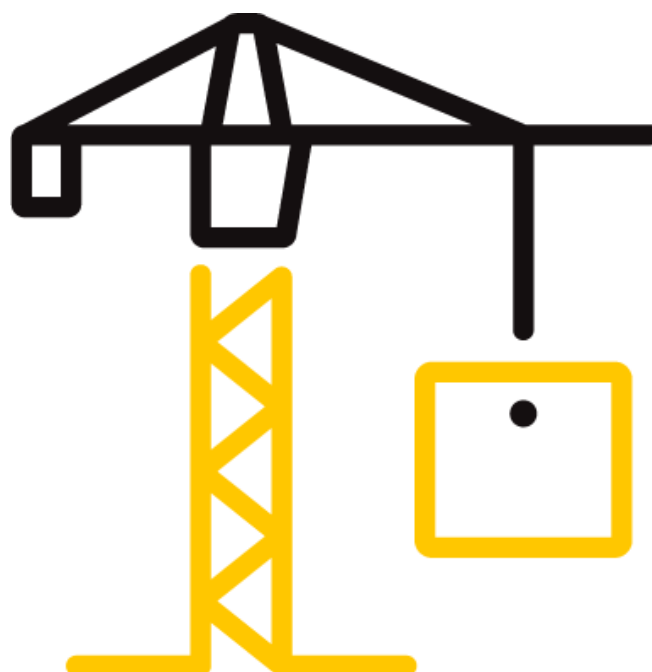
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TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002

REPORT ISSUED TO

GLAS-CALIFORNIA, INC DBA GLAS-CALIFORNIA.
1212 Abbot Kinney Blvd Suite A Venice, CA 90291

SECTION 1

SCOPE

This report is a reissue of report no.240412004SHF-001, dated 11/21/24 and is rendered to Glas-California, Inc DBA Glas-California through written authorization. Intertek Building & Construction (B&C) was contracted by Shanghai Century Curtain Wall Engineering Co.,Ltd to perform TAS 201, TAS 202, ASTM F842 and TAS 203 testing in accordance with Florida Building Code for High Velocity Hurricane Zone requirements on their sliding doors. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at the Intertek B&C test facility in No. 6999 Daye Road, Fengxian District, Shanghai, China. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. Unless differently required, Intertek reports apply the "Simple Acceptance" rule, also called "Shared Risk approach", of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

SECTION 2

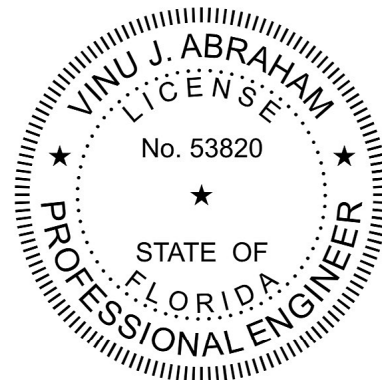
SUMMARY OF TEST RESULTS

The specimen(s) tested met the performance requirements set forth in the protocols.

Product Type: Sliding Doors

Series/Model: 180 Sliding Doors and 120 Sliding Doors

SPEC.	TEST PROTOCOL	DESIGN PRESSURE
#01, #05 and #06	TAS 202 TAS 201/203 (Large Missile and Small Missile)	+80.0 / -80.0 psf
#02, #03	TAS 201/203 (Large Missile and Small Missile)	+80.0 / -80.0 psf



For INTERTEK B&C:

COMPLETED BY:	Fred Bao
TITLE:	Technical Manager – Intertek B&C
SIGNATURE:	
DATE:	2024-11-21

REVIEWED BY:	Vinu Abraham, P.E.
TITLE:	Vice President Intertek B&C
SIGNATURE:	
DATE:	2024-11-21

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The report was digital signed by Shang Hai, Intertek Group plc, please using Adobe Acrobat Reader to verify the authenticity.

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TEST METHOD(S)

The specimens were evaluated in accordance with the following:

TAS 201-94, *Impact Test Procedures*

TAS 202-94, *Criteria for Testing Impact & Nonimpact Resistant Building Envelope Components Using Uniform Static Air Pressure*

TAS 203-94, *Criteria for Testing Products Subject to Cyclic Wind Pressure Loading*

ASTM F842, *Testing the ability of sliding door assemblies to restrain, delay, or frustrate forced entry.*

SECTION 4

MATERIAL SOURCE/INSTALLATION

Test specimen(s) were provided by the client. Representative samples of the test specimen(s) will be retained by Intertek B&C for a minimum of ten years from the test completion date.

The specimen was installed into a steel test buck. The rough opening allowed for a 3/4" shim space. The exterior perimeter of the door was sealed with sealant DC-791. Installation of the tested product was performed by the client.

Specimen #01, #02 and #03

LOCATION	ANCHOR DESCRIPTION	ANCHOR LOCATION
Head	3/8" x 2" Machine Screw	Anchor 1-1/2" from ends, 3" from mullions and 18" on center.
Sill	3/8" x 2" Machine Screw	Anchor 1-1/2" from ends, 3/4" from mullions and 18" on center.
Jamb	1/4" x 2" Tapping Screw	Anchor 3" from ends and 15" on center.

Specimen #05

LOCATION	ANCHOR DESCRIPTION	ANCHOR LOCATION
Head	3/8" x 2" Machine Screw	Anchor 1-1/2" from ends, 3" from mullions and 18" on center.
Sill	3/8" x 2" Machine Screw	Anchor 1-1/2" from ends, 3/4" from mullions and 18" on center.
Jamb	1/4" x 2" Tapping Screw	Anchor 1" from top ends, 3" from Bottom end and 15" on center.

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Specimen #06

LOCATION	ANCHOR DESCRIPTION	ANCHOR LOCATION
Head	3/8" x 2" Machine Screw	Anchor 1-1/2" from ends, 3" from mullions and 18" on center.
Sill	3/8" x 2" Machine Screw	Anchor 1-1/2" from ends, 3/4" from mullions and 18" on center.
Jamb	1/4" x 2" Tapping Screw	Anchor 3" from ends and 15" on center.

SECTION 5 EQUIPMENT

Cannon: Constructed from steel piping utilizing compressed air to propel the missile

Missile: 2x4 Southern Pine.

Timing Device: Electronic beam type.

Cycling Mechanism: Computer controlled centrifugal blower with electronic pressure measuring device.

Deflection Measuring Device: transducers.

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SECTION 6

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Susan Chen	Shanghai Century Curtain wall Engineering Co.,Ltd.
Tony Wang	Shanghai Century Curtain wall Engineering Co.,Ltd.
Fred Bao	Intertek B&C
Zac Zhang	Intertek B&C
John CJ Zhang	Intertek B&C
Ron Liu	Intertek B&C

SECTION 7

TEST SPECIMEN DESCRIPTION

Product Type: Sliding Door

Series/Model: 180 series, 120 series

Product Size(s): Specimen #01, #02 and #03

OVERALL AREA:	WIDTH		HEIGHT	
14.8 m ² (159.3 ft ²)	millimeters	inches	millimeters	inches
Overall Size	4919	193-5/8"	3010	118-1/2"
Exterior Sash	1219	48"	2938	115-11/16"
Interior Sash	1219	48"	2938	115-11/16"

Product Size(s): Specimen #05

OVERALL AREA:	WIDTH		HEIGHT	
11.2 m ² (120.6 ft ²)	millimeters	inches	millimeters	inches
Overall Size	3707	145-15/16"	3010	118-1/2"
Exterior Leaf	1219	48"	2938	115-11/16"
Intermediate Leaf	1219	48"	2938	115-11/16"
Interior Leaf	1219	48"	2938	115-11/16"

Product Size(s): Specimen #06

OVERALL AREA:	WIDTH		HEIGHT	
7.5 m ² (80.5 ft ²)	millimeters	inches	millimeters	inches
Overall Size	2486	97-7/8"	3010	118-1/2"
Exterior Sash	1219	48"	2938	115-11/16"
Interior Sash	1226	48-1/4"	2938	115-11/16"

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Frame Construction: Specimen #01, #02 and #03

FRAME MEMBER	PART #	MATERIAL	DESCRIPTION
Door frame jambs	A06	6063-T6 extruded aluminum	4-3/4" wide by 1-9/16" high, square cut, fixed with screw, covered track cover A08 and snap fit A02.
Door frame heads	A01	6061-T6 extruded aluminum	4-3/4" wide by 1-7/8" high, square cut, fixed with screw, covered track cover a08 and snap fit A02.
Door frame sills	A22	6061-T6 extruded aluminum	5-3/16" wide by 1-5/8" high, square cut, Fixed with screw, sealed with DowCorning DC-791 weather sealant.
Door frame sills track	A04	6063-T6 extruded aluminum	4-3/4" wide by 2-7/8" high, square cut, fixed with screw, sealed with Dow corning DC-791 Weather sealant
		JOINERY TYPE	DETAIL
All corners	Mechanically fastened		Frame members were square cut, butted, and sealed with Dow corning DC-791 weather sealant, secured utilizing two 3/16" x 1-3/8" self-tapping screws and through jambs into the door head and sill screw bosses.

Frame Construction: Specimen #05

FRAME MEMBER	PART #	MATERIAL	DESCRIPTION
Door frame jambs	A13	6063-T6 Extruded Aluminum	4-1/2" wide by 1" high, square cut, fixed with screw, covered track cover A08 & A21 and snap Fit A12.
Door frame heads	A11	6063-T6 Extruded Aluminum	4-1/2" wide by 1-3/16" high, square cut, fixed with screw, covered track cover A08 & A21 and snap Fit A12.
Door frame sills	A05	6061-T6 Extruded Aluminum	7-9/16" wide by 1-5/8" high, square cut, fixed with screw, sealed with Dow Corning DC-791 weather sealant.
Door frame sill track	A23	6063-T6 Extruded Aluminum	7-1/16" wide by 2-7/8" high, square cut, fixed with screw, sealed with Dow Corning DC-791 weather sealant.
		JOINERY TYPE	DETAIL
All Corners	Mechanically fastened		Frame members were square cut, butted, and sealed with Dow Corning DC-791 weather sealant, secured utilizing three 3/16" x 1-3/8" self-tapping screws and through jambs into the door head and sill screw bosses.

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Frame Construction: Specimen #06

FRAME MEMBER	PART #	MATERIAL	DESCRIPTION
Door frame jambs	A06	6063-T6 Extruded Aluminum	4-3/4" wide by 1-9/16" high, square cut, fixed with screw, covered track cover A08 and Snap Fit A02.
Door frame heads	A01	6061-T6 Extruded Aluminum	4-3/4" wide by 1-7/8" high, square cut, fixed with screw, covered track cover A08 and snap Fit A02.
Door frame sills	A22	6061-T6 Extruded Aluminum	5-3/16" wide by 1-5/8" high, square cut, fixed with screw, sealed with Dow Corning DC-791 weather sealant.
Door frame sill track	A04	6063-T6 Extruded Aluminum	4-3/4" wide by 2-7/8" high, square cut, fixed with screw, sealed with Dow Corning DC-791 weather sealant.
		JOINERY TYPE	DETAIL
All Corners	Mechanically fastened		Frame members were square cut, butted, and sealed with Dow Corning DC-791 weather sealant, secured utilizing two 3/16" x 1-3/8" self-tapping screws and through jambs into the door head and sill screw bosses.

Door leaf Construction: Specimen #01, #02 and #03

LEAF MEMBER	PART #	MATERIAL	DESCRIPTION
Door leaf Head	A24	6063-T6 Extruded Aluminum	1-7/8" wide by 2-7/16" high, square Cut
Fixed door leaf sill	A03	6063-T6 Extruded Aluminum	1-7/8" wide by 2-7/16" high, square Cut
Door leaf jamb	A20	6063-T6 Extruded Aluminum	1-7/8" wide by 1-3/16" high, square Cut
Operable door leaf sill	A16	6063-T6 Extruded Aluminum	1-7/8" wide by 3-1/16" high, square Cut
		JOINERY TYPE	DETAIL
All Corners	Mechanically fastened		Frame members were square cut, butted, and sealed with Dow Corning DC-791 weather sealant, secured utilizing two 3/16" x 1-3/8" self-tapping screws and through jambs into the door head and sill screw bosses.

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Door leaf Construction: Specimen #05 and #06

LEAF MEMBER	PART #	MATERIAL	DESCRIPTION
Door leaf head	A24	6063-T6 Extruded Aluminum	1-7/8" wide by 2-7/16" high, square Cut
Fixed door leaf sill	A03	6063-T6 Extruded Aluminum	1-7/8" wide by 2-7/16" high, square Cut
Door leaf jamb	A20	6063-T6 Extruded Aluminum	1-7/8" wide by 1-3/16" high, square Cut
Operable door leaf sill	A16	6063-T6 Extruded Aluminum	1-7/8" wide by 3-1/16" high, square Cut
JOINERY TYPE		DETAIL	
All Corners	Mechanically fastened	Frame members were square cut, butted, and sealed with Dow Corning DC-791 weather sealant, secured utilizing two 3/16" x 1-3/8" self-tapping screws and through jambs into the door head and sill screw bosses.	

Reinforcement: Specimen #01, #02 and #03

PART #	LOCATION	MATERIAL	DESCRIPTION
A09	In Cavity	Steel Q355	3/16" THK. RHS Insert into cavity and fastened by 3/16" self-tapping screws
A09	In Cavity	Steel Q355	5/16" THK. Flat Bar Insert into cavity and fastened by 3/16" self-tapping screws
A10	In Cavity	Steel Q355	3/16" THK. RHS Insert into cavity and fastened by 3/16" self-tapping screws

Reinforcement: Specimen #05 and #06

PART #	LOCATION	MATERIAL	DESCRIPTION
A09	In Cavity	Steel Q355	3/16" THK. RHS Insert into cavity and fastened by 3/16" self-tapping screws
A09	In Cavity	Steel Q355	5/16" THK. Flat Bar Insert into cavity and fastened by 3/16" self-tapping screws

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Weatherstripping: Specimen #01, #02, #03

DESCRIPTION	QUANTITY	LOCATION
1/4" wide by 3/16" fin seal J04	5 Columns	For door sash & Jamb sealing, and interlock sealing
1/4" wide by 3/16" coated sealing strip J03	9 Columns	For door interlock sealing
1/4" wide by 3/8" EPDM form sealing gasket J05	2 Columns	For door interlock sealing
1/4" wide by 3/16" fin seal J04	6 Rows	For door sash & head/sill sealing
1/4" wide by 3/16" coated sealing strip J03	3 Rows	For door head & sill sealing, and sill track cap sealing
7/16" wide by 1/4" EPDM sealing gasket J02	1 Rows	For door sill sealing

Weatherstripping: Specimen #05

DESCRIPTION	QUANTITY	LOCATION
1/4" wide by 3/16" fin seal J04	3 Columns	For door sash & Jamb sealing, and interlock sealing
1/4" wide by 3/16" coated sealing strip J03	9 Columns	For door interlock sealing
1/4" wide by 3/16" fin seal J04	8 Rows	For door sash & head/sill sealing
1/4" wide by 3/16" coated sealing strip J03	6 Rows	For Door Head & Sill Sealing, and Sill Track Cap Sealing
7/16" wide by 1/4" EPDM sealing gasket J02	1 Rows	For door sill sealing

Weatherstripping: Specimen #06

DESCRIPTION	QUANTITY	LOCATION
1/4" wide by 3/16" fin seal J04	3 Columns	For door sash & Jamb sealing, and interlock sealing
1/4" wide by 3/16" coated sealing strip J03	5 Columns	For door interlock sealing
1/4" wide by 3/16" fin seal J04	6 Rows	For door sash & head/sill sealing
1/4" wide by 3/16" coated sealing strip J03	3 Rows	For Door Head & Sill Sealing, and Sill Track Cap Sealing
7/16" wide by 1/4" EPDM sealing gasket J02	1 Rows	For door sill sealing

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Glazing: *No conclusions of any kind regarding the adequacy or inadequacy of the glass in any glazed test specimen(s) can be made.* Specimen #01, #02, #03, #05 and #06

GLASS TYPE	OVERALL THICKNESS	GLASS MAKEUP	GLAZING METHOD
GL1: Laminated Glass	14.28mm	6mm Clear heat-strengthened 2.28mm SGP 6mm Clear heat-strengthened	Glazed by assembling the frame members around the glass and sealed on the interior and exterior with 3/16" wide by 7/16" deep (DC993N Black)
GL2: Laminated Glass	13.52mm	6mm Clear heat-strengthened 1.52mm PVB 6mm Clear heat-strengthened	Glazed by assembling the frame members around the glass and sealed on the interior and exterior with 3/16" wide by 7/16" deep (DC993N Black)
GL3: Laminated & Insulated Glass	32.28mm	6mm Clear heat-strengthened 12 Air Space 6mm Clear heat-strengthened 2.28mm SGP 6mm Clear heat-strengthened	Glazed by assembling the frame members around the glass and sealed on the interior and exterior with 3/16" wide by 7/16" deep (DC993N Black)
GL4: Laminated & Insulated Glass	31.52mm	6mm Clear heat-strengthened 12 Air Space 6mm Clear heat-strengthened 1.52mm PVB 6mm Clear heat-strengthened	Glazed by assembling the frame members around the glass and sealed on the interior and exterior with 3/16" wide by 7/16" deep (DC993N Black)

Specimen #01, #02 and #03

LOCATION	QUANTITY	DAYLIGHT OPENING		GLASS BITE
		millimeters	inches	
Fixed door leaf	2	1165 x 2799	45-7/8" x 110-3/16"	1/2"
Operable door leaf	2	1118.5 x 2799	44-1/16" x 110-3/16"	1/2"

Specimen #05

LOCATION	QUANTITY	DAYLIGHT OPENING		GLASS BITE
		millimeters	inches	
Fixed door leaf	1	1165 x 2799	45-7/8" x 110-3/16"	1/2"
Operable door leaf	1	1107 x 2799	43-9/16" x 110-3/16"	1/2"
Intermediate door leaf	1	1169 x 2799	46-1/16" x 110-3/16"	1/2"

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Specimen #06

LOCATION	QUANTITY	DAYLIGHT OPENING		GLASS BITE
		millimeters	inches	
Fixed door leaf	1	1165 x 2799	45-7/8" x 110-3/16"	1/2"
Operable door leaf	1	1107 x 2799	43-9/16" x 110-3/16"	1/2"

Drainage: Specimen #01, #02 and #03

DRAINAGE METHOD	SIZE	QUANTITY	LOCATION
Bottom sill weep hole	2" wide by 5/16" high	11	Door sill A04
Bottom track weep hole	2" wide by 5/16" high	20	Door sill track A22
Bottom track drip hole	2" wide by 5/16" high	20	Door sill track A22

Drainage: Specimen #05

DRAINAGE METHOD	SIZE	QUANTITY	LOCATION
Bottom sill weep hole	2" wide by 5/16" high	8	Door sill A05
Bottom track weep hole	2" wide by 5/16" high	15	Door sill track A23
Bottom track drip hole	2" wide by 5/16" high	15	Door sill track A23

Drainage: Specimen #06

DRAINAGE METHOD	SIZE	QUANTITY	LOCATION
Bottom sill weep hole	2" wide by 5/16" high	6	Door sill A22
Bottom track weep hole	2" wide by 5/16" high	10	Door sill track A04
Bottom track drip hole	2" wide by 5/16" high	10	Door sill track A04

Hardware: Specimen #01, #02, #03, #05 and #06

DESCRIPTION	QUANTITY	LOCATION	MANUFACTURER	MODEL NUMBER
Handle (Interior)	1 set	Door	DNW	2095HANDLE-BK-D
Two Point Lock body	1 pc	Door	DNW	D70L-SS
Lock keeper	1 pc	Door	DNW	D-80ZH-SP (S.S)

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SECTION 8

TEST RESULTS

Protocol TAS 202-94, Static Air Pressure

Test Date(s): 4/24/2024 through 5/17/2024

The temperature during testing was 25°C (77°F) - 28°C (82.4°F). The results are tabulated as follows:

Test Specimen #01

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Air Leakage Infiltration per TAS 202 at 1.57 psf (25 mph)	0.08 L/s/m ² (0.02 cfm/ft ²)	1.0 L/s/m ² (0.20 cfm/ft ²) max.	1
Air Leakage Infiltration per TAS 202 at 6.24 psf (50 mph)	0.14 L/s/m ² (0.03 cfm/ft ²)	1.5 L/s/m ² (0.30 cfm/ft ²) max.	

Note 1: Test Date 04/24/24 / Time: 9:30 AM (Air Note Only)

Test Specimen #01: Preload and Design Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	ALLOWED	MEASURED	ALLOWED
+60.0 50% of Test Pressure	2	0.31	N/A	<0.01	N/A
	5	0.40	N/A	0.01	N/A
	8	0.32	N/A	0.01	N/A
	11	<0.01	N/A	<0.01	N/A
+80 Design Pressure	2	0.40	N/A	<0.01	N/A
	5	0.49	N/A	<0.01	N/A
	8	0.40	N/A	<0.01	N/A
	11	<0.01	0.10	<0.01	N/A
-60.0 50% of Test Pressure	2	0.30	N/A	<0.01	N/A
	5	0.42	N/A	<0.01	N/A
	8	0.31	N/A	<0.01	N/A
	11	<0.01	N/A	<0.01	N/A
-80.0 Design Pressure	2	0.40	N/A	<0.01	N/A
	5	0.53	N/A	0.01	N/A
	8	0.43	N/A	0.01	N/A
	11	<0.01	0.10	<0.01	N/A

Test Specimen #01: Water Penetration per TAS 202

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Water Penetration , per TAS 202 15% of Positive Design Pressure at 580 Pa (12.0 psf)	Pass	No leakage	2

Note 2: Without insect screen.

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Test Specimen #01: Structural Overload Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	ALLOWED	MEASURED	ALLOWED
+120 Test Pressure	2	0.60	N/A	<0.01	0.44
	5	0.73	N/A	0.01	0.45
	8	0.62	N/A	0.01	0.44
	11	<0.01	N/A	<0.01	0.07
-120 Test Pressure	2	0.59	N/A	<0.01	0.44
	5	0.75	N/A	0.01	0.45
	8	0.63	N/A	0.01	0.44
	11	<0.01	N/A	<0.01	0.07

Note 3: Positive and negative uniform static load test loads were held for 30 seconds.

Note 4: Tape and film were not used to seal against air leakage during structural testing.

Note 5: See Sketch No.1 for indicator locations. Deflection/permanent set reported is the overall deflection between three points (longest unsupported span) which accounts for support movement.

Test Specimen #01

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Forced Entry Resistance, per ASTM F842 Grade 10	Pass	No entry	-

Test Specimen #05

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Air Leakage Infiltration per TAS 202 at 1.57 psf (25 mph)	0.35 L/s/m ² (0.07 cfm/ft ²)	1.0 L/s/m ² (0.20 cfm/ft ²) max.	6
Air Leakage Infiltration per TAS 202 at 6.24 psf (50 mph)	0.57 L/s/m ² (0.11 cfm/ft ²)	1.5 L/s/m ² (0.30 cfm/ft ²) max.	

Note 6: Test Date 05/17/24 / Time: 10:00 AM (Air Note Only)

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Test Specimen #05: Preload and Design Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	ALLOWED	MEASURED	ALLOWED
+60.0 50% of Test Pressure	2	0.30	N/A	<0.01	N/A
	5	0.30	N/A	<0.01	N/A
	8	0.18	N/A	<0.01	N/A
	11	<0.01	N/A	<0.01	N/A
+80 Design Pressure	2	0.40	N/A	0.01	N/A
	5	0.39	N/A	0.01	N/A
	8	0.22	N/A	0.02	N/A
	11	<0.01	0.10	<0.01	N/A
-60.0 50% of Test Pressure	2	0.33	N/A	0.01	N/A
	5	0.31	N/A	0.01	N/A
	8	0.21	N/A	0.01	N/A
	11	<0.01	N/A	<0.01	N/A
-80.0 Design Pressure	2	0.31	N/A	<0.01	N/A
	5	0.39	N/A	0.02	N/A
	8	0.22	N/A	0.01	N/A
	11	0.01	0.10	<0.01	N/A

Test Specimen #05: Water Penetration per TAS 202

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Water Penetration, per TAS 202 15% of Positive Design Pressure at 580 Pa (12.0 psf)	Pass	No leakage	7

Note 7: Without insect screen.

Test Specimen #05: Structural Overload Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	ALLOWED	MEASURED	ALLOWED
+120 Test Pressure	2	0.59	N/A	<0.01	0.45
	5	0.60	N/A	0.01	0.45
	8	0.29	N/A	0.01	0.45
	11	<0.01	N/A	<0.01	0.07
-120 Test Pressure	2	0.65	N/A	<0.01	0.45
	5	0.62	N/A	0.01	0.45
	8	0.33	N/A	0.01	0.45
	11	<0.01	N/A	<0.01	0.07

Test Specimen #05

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Forced Entry Resistance, per ASTM F842 Grade 10	Pass	No entry	-

TEST REPORT

Issue Date: 2024-11-21

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Test Specimen #06

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Air Leakage Infiltration per TAS 202 at 1.57 psf (25 mph)	0.45 L/s/m ² (0.09 cfm/ft ²)	1.0 L/s/m ² (0.20 cfm/ft ²) max.	8
Air Leakage Infiltration per TAS 202 at 6.24 psf (50 mph)	0.50 L/s/m ² (0.10 cfm/ft ²)	1.5 L/s/m ² (0.30 cfm/ft ²) max.	

Note 8: Test Date 05/17/24 / Time: 10:00 AM (Air Note Only)

Test Specimen #06: Preload and Design Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	ALLOWED	MEASURED	ALLOWED
+60.0 50% of Test Pressure	2	0.22	N/A	<0.01	N/A
	5	0.31	N/A	<0.01	N/A
	8	<0.01	N/A	<0.01	N/A
+80 Design Pressure	2	0.26	N/A	0.01	N/A
	5	0.41	0.10	<0.01	N/A
	8	<0.01	N/A	<0.01	N/A
-60.0 50% of Test Pressure	2	0.17	N/A	<0.01	N/A
	5	0.32	N/A	<0.01	N/A
	8	<0.01	N/A	<0.01	N/A
-80.0 Design Pressure	2	0.22	N/A	0.01	N/A
	5	0.43	N/A	0.01	N/A
	8	<0.01	0.10	<0.01	N/A

Test Specimen #06: Water Penetration per TAS 202

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Water Penetration , per TAS 202 15% of Positive Design Pressure at 580 Pa (12.0 psf)	Pass	No leakage	7

Note 9: Without insect screen.

Test Specimen #06: Structural Overload Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	ALLOWED	MEASURED	ALLOWED
+120 Test Pressure	2	0.61	N/A	0.01	0.45
	5	0.35	N/A	<0.01	0.45
	8	<0.01	N/A	<0.01	0.07
-120 Test Pressure	2	0.63	N/A	0.01	0.45
	5	0.29	N/A	0.01	0.45
	8	<0.01	N/A	<0.01	0.07

Note 10: Positive and negative uniform static load test loads were held for 30 seconds.

Note 11: Tape and film were not used to seal against air leakage during structural testing.

Note 12: See Sketch No.2 for specimen #05 and #06 indicator locations. Deflection/permanent set reported is the overall deflection between three points (longest unsupported span) which accounts for support movement.

TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002

Test Specimen #06

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Forced Entry Resistance, per ASTM F842 Grade 10	Pass	No entry	-

Protocol TAS 201-94, Large Missile Impact Procedures

Test Date(s): 05/07/2024 through 6/12/2024

The temperature during testing was 25°C (77°F) - 28°C (82.4°F). The results are tabulated as follows:

Test Specimen #01

IMPACT #	MISSILE WEIGHT (lbs.)	MISSILE LENGTH (in.)	MISSILE VELOCITY (ft./sec.)
L1	9.1	95	49.5
L2			49.5
L3			49.9
L4			49.5
L5			49.5

Test Specimen #02

IMPACT #	MISSILE WEIGHT (lbs.)	MISSILE LENGTH (in.)	MISSILE VELOCITY (ft./sec.)
L6	9.1	95.0	49.5
L7			49.5
L8			49.5
L9			49.9
L10			49.5

Note 13: See Sketch No.3 for impact locations.

Test Specimen #03

IMPACT #	MISSILE WEIGHT (lbs.)	MISSILE LENGTH (in.)	MISSILE VELOCITY (ft./sec.)
L11	9.2	94	49.9
L12			49.9
L13			49.2
L14			49.5

Note 14: See Sketch No.4 for impact locations.

TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002

Test Specimen #05

IMPACT #	MISSILE WEIGHT (lbs.)	MISSILE LENGTH (in.)	MISSILE VELOCITY (ft./sec.)
L15	9.2	94	49.5
L16			49.5
L17			49.2

Test Specimen #06

IMPACT #	MISSILE WEIGHT (lbs.)	MISSILE LENGTH (in.)	MISSILE VELOCITY (ft./sec.)
L18	9.2	94	49.5
L19			49.9
L20			49.5

Note 15: See Sketch No.5 for impact locations.

Protocol TAS 201-94, Small Missile Impact Procedures

Test Date(s): 05/07/2024 through 6/12/2024

The temperature during testing was 25°C (77°F) - 28°C (82.4°F). The results are tabulated as follows:

Test Specimen #01

IMPACT #	MISSILE WEIGHT (g)	MISSILE DIAMETER (in.)	MISSILE VELOCITY (ft./sec.)
S1	2.0	5/16	131.6
S2			130.9
S3			129.9
S4			133.2
S5			131.6
S6			130.6

Test Specimen #02

IMPACT #	MISSILE WEIGHT (g)	MISSILE DIAMETER (in.)	MISSILE VELOCITY (ft./sec.)
S7	2.0	5/16	128.3
S8			131.6
S9			127.6
S10			129.6
S11			130.6
S12			130.2

Note 16: See Sketch No.3 for impact locations.

TEST REPORT

Issue Date: 2024-11-21

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Test Specimen #03

IMPACT #	MISSILE WEIGHT (g)	MISSILE DIAMETER (in.)	MISSILE VELOCITY (ft./sec.)
S13	2.0	5/16	132.8
S14			127.3
S15			131.2
S16			128.6
S17			130.2
S18			132.2

Note 17: See Sketch No.4 for impact locations.

Test Specimen #05

IMPACT #	MISSILE WEIGHT (g)	MISSILE DIAMETER (in.)	MISSILE VELOCITY (ft./sec.)
S19	2.0	5/16	131.6
S20			132.5
S21			132.9

Note 18: See Sketch No.5 for impact locations.

Protocol TAS 203-94, Cyclic Wind Pressure Loading

Test Date(s): 05/07/2024 through 6/12/2024

The temperature during testing was 25°C (77°F) - 28°C (82.4°F). The results are tabulated as follows:

Test Specimen #01 and #02: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	STAGE			
+80.0 / -80.0 psf	1	2	3	4
POSITIVE PRESSURE RANGE (psf)	16.0 – 40.0	0 – 48.0	40.0 – 64.0	24.0 – 80.0
AVERAGE CYCLE TIME (sec.)	4	5	5	5
NUMBER OF CYCLES	3500	300	600	100
	5	6	7	8
NEGATIVE PRESSURE RANGE (psf)	24.0 – 80.0	40.0 – 64.0	0 – 48.0	16.0 – 40.0
AVERAGE CYCLE TIME (sec.)	5	5	5	4
NUMBER OF CYCLES	50	1050	50	3350

Note 19: Test Specimens #01 and #02 were cycled in a common chamber.

TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002

Test Specimen #03: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	STAGE			
+80.0 / -80.0 psf	1	2	3	4
POSITIVE PRESSURE RANGE (psf)	16.0 – 40.0	0 – 48.0	40.0 – 64.0	24.0 – 80.0
AVERAGE CYCLE TIME (sec.)	4	4	4	4
NUMBER OF CYCLES	3500	300	600	100
	5	6	7	8
NEGATIVE PRESSURE RANGE (psf)	24.0 – 80.0	40.0 – 64.0	0 – 48.0	16.0 – 40.0
AVERAGE CYCLE TIME (sec.)	5	4	4	4
NUMBER OF CYCLES	50	1050	50	3350

Test Specimen #05 and #06: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	STAGE			
+80.0 / -80.0 psf	1	2	3	4
POSITIVE PRESSURE RANGE (psf)	16.0 – 40.0	0 – 48.0	40.0 – 64.0	24.0 – 80.0
AVERAGE CYCLE TIME (sec.)	4	5	5	5
NUMBER OF CYCLES	3500	300	600	100
	5	6	7	8
NEGATIVE PRESSURE RANGE (psf)	24.0 – 80.0	40.0 – 64.0	0 – 48.0	16.0 – 40.0
AVERAGE CYCLE TIME (sec.)	5	5	5	5
NUMBER OF CYCLES	50	1050	50	3350

Note 20: Test Specimen #05 and #06 were cycled in a common chamber.

TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002

SECTION 9 CONCLUSIONS

The large and small missiles impacted each intended target. Each impact location was carefully inspected. No signs of penetration, rupture, or opening after the large and small missile impact tests were observed; as such, each test specimen satisfies the large and small missile requirements of TAS 201. Upon completion of testing, specimens tested for TAS 201-94 met the requirements of Section 1626 of the Florida Building Code, Building.

No signs of failure were observed in any area of the test specimen during the TAS 202 testing; as such, the test specimen satisfies the requirements of TAS 202. Upon completion of testing, specimens tested for TAS 202-94 met the requirements of Section 1620 of the Florida Building Code, Building.

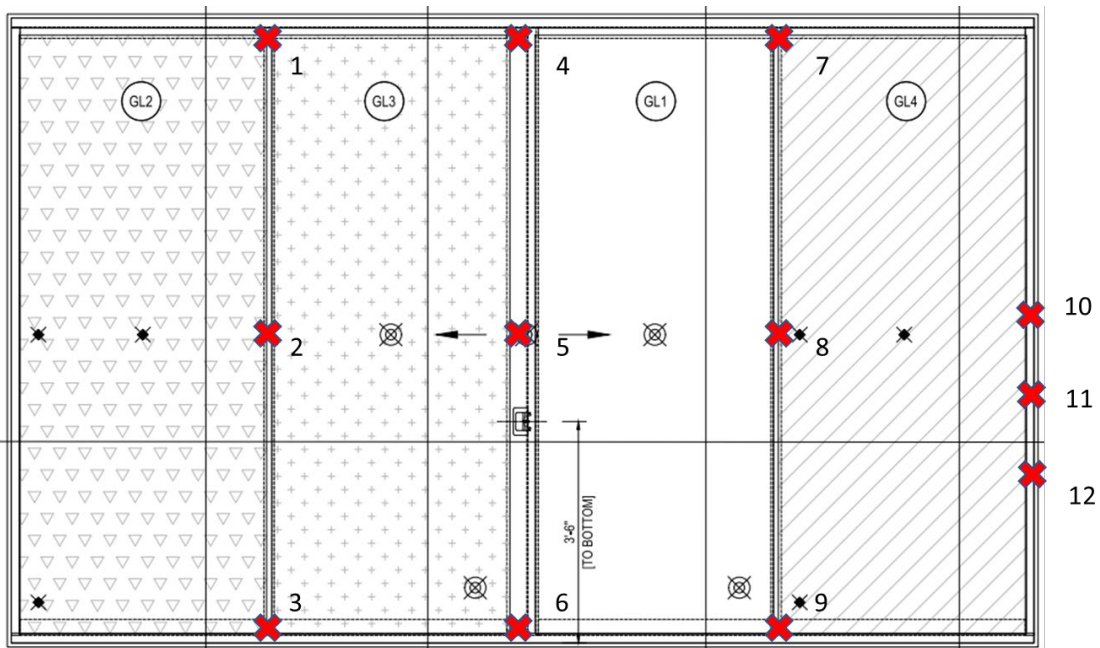
No signs of failure were observed in any area of the test specimens during the cyclic load test; as such, the test specimens satisfy the cyclic load requirements of TAS 203. Upon completion of testing, specimens tested for TAS 203-94 met the requirements of Section 1626 of the Florida Building Code, Building.

TEST REPORT

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SECTION 10 SKETCH(ES)

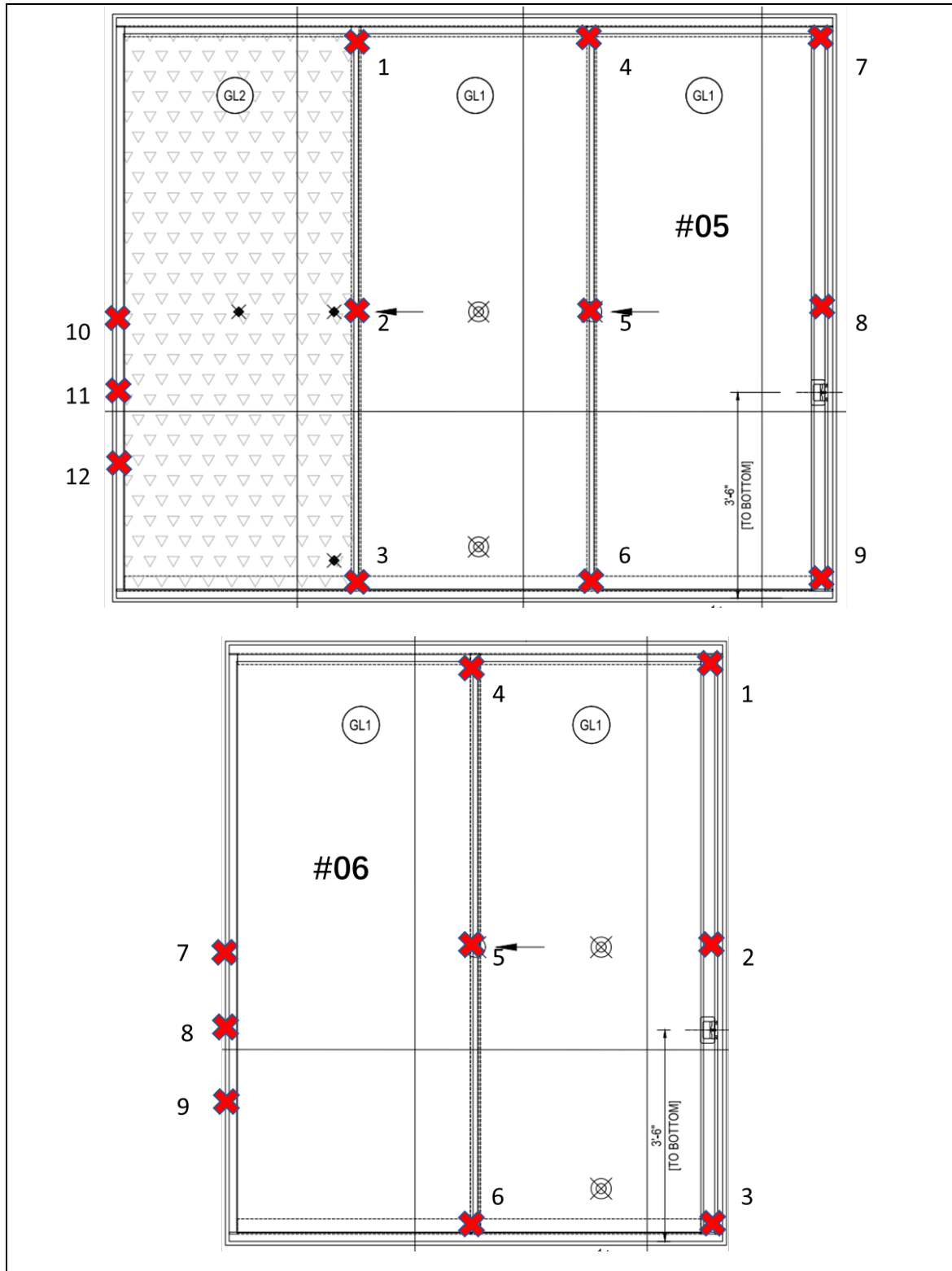


Sketch No. 1
TAS 202 Indicator Locations of specimen #01

TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002



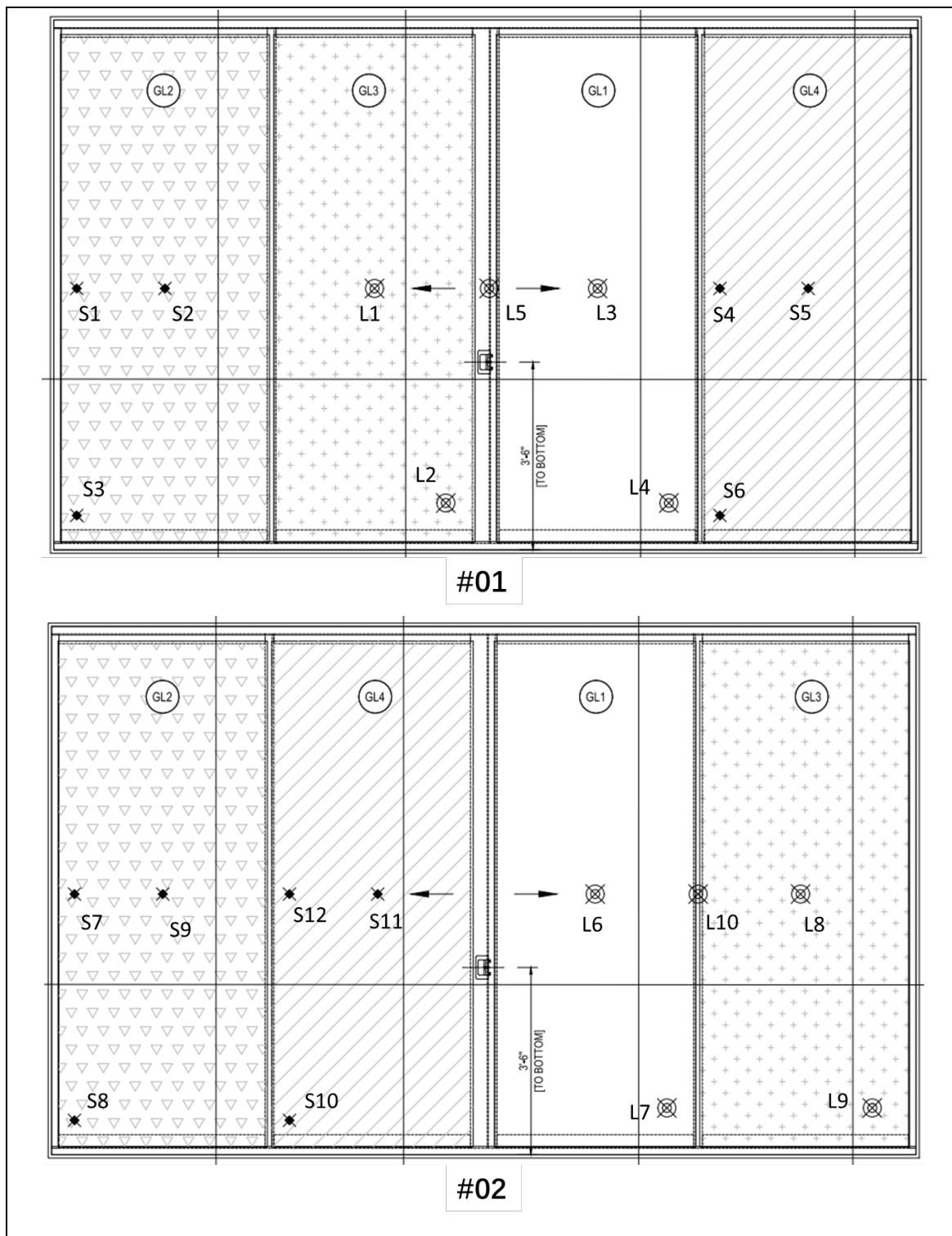
Sketch No.2

TAS 202 Indicator Locations of specimen #05 and #06

TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002



Sketch No.3

TAS 201 Impact Locations of specimen #01 and #02

TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002

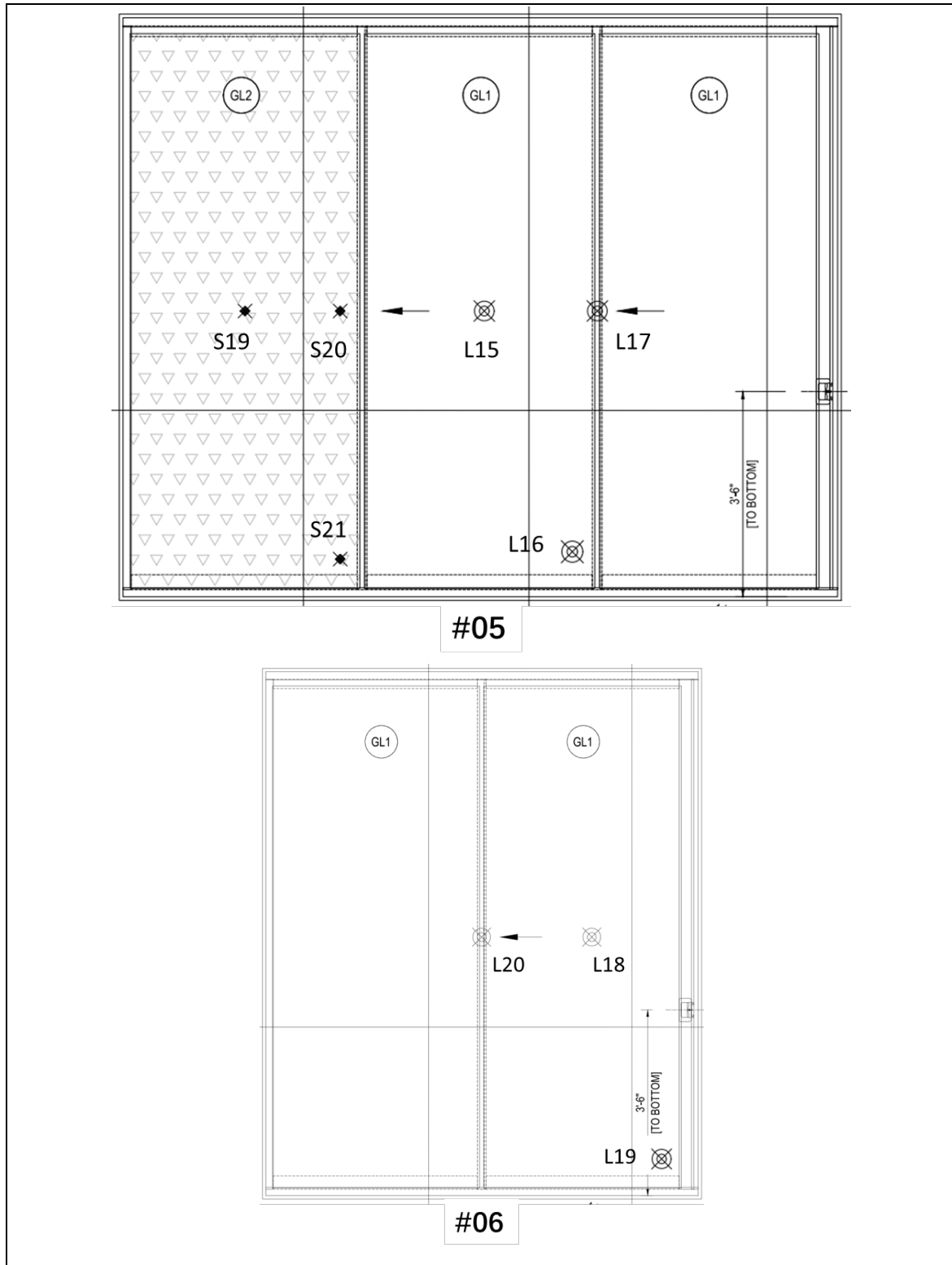


Sketch No.4
TAS 201 Impact Locations of specimen #03

TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002



Sketch No.5

TAS 201 Impact Locations of specimen #05 and #06

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SECTION 11 PHOTOGRAPHS

TEST REPORT

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Photo No. 1
Specimens #01 Before impact test (Testing on June 12, 2024)



Photo No. 2
Specimens #02 Before impact test (Testing on June 12, 2024)

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Photo No.3
Specimens #03 Before impact test (Testing on May 7, 2024)



Photo No.4
Specimens #05 and #06 Before impact test (Testing on May 19, 2024)

TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002

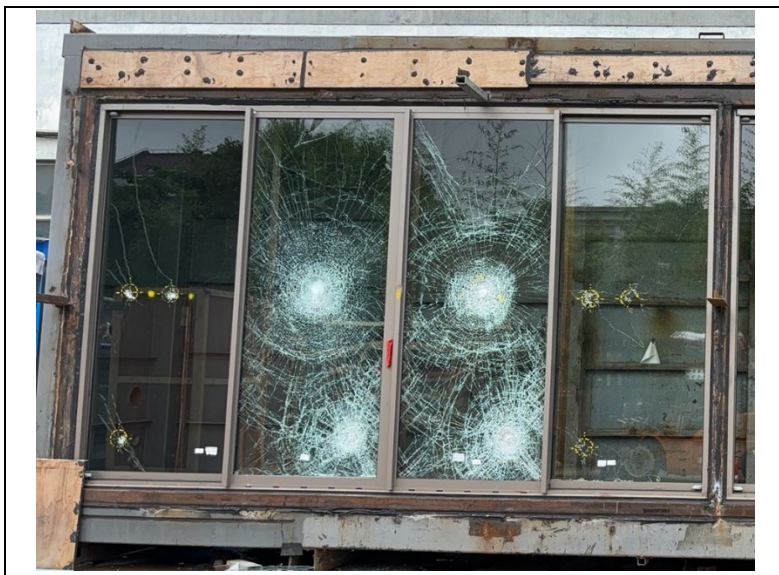


Photo No.5
Specimen #01 after impact test (Testing on June 12, 2024)



Photo No.6
Specimen #02 after impact test (Testing on June 12, 2024)

TEST REPORT

Issue Date: 2024-11-21

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Photo No.7

Specimen #03 after impact test (Testing on May 7, 2024)



Photo No.8

Specimen #05 after impact test (Testing on May 19, 2024)

TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002

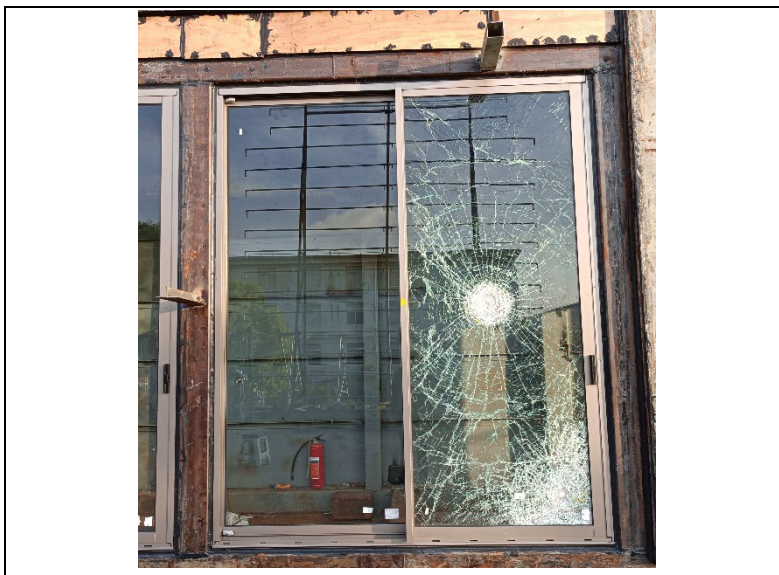


Photo No.9

Specimen #06 after impact test (Testing on May 19, 2024)



Photo No.10

Specimen #01 after cyclic test (Testing on June 13, 2024)

TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002



Photo No.11

Specimen #02 after cyclic test (Testing on June 13, 2024)



Photo No.12

Specimen #03 after cyclic test (Testing on May 8, 2024)

TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002

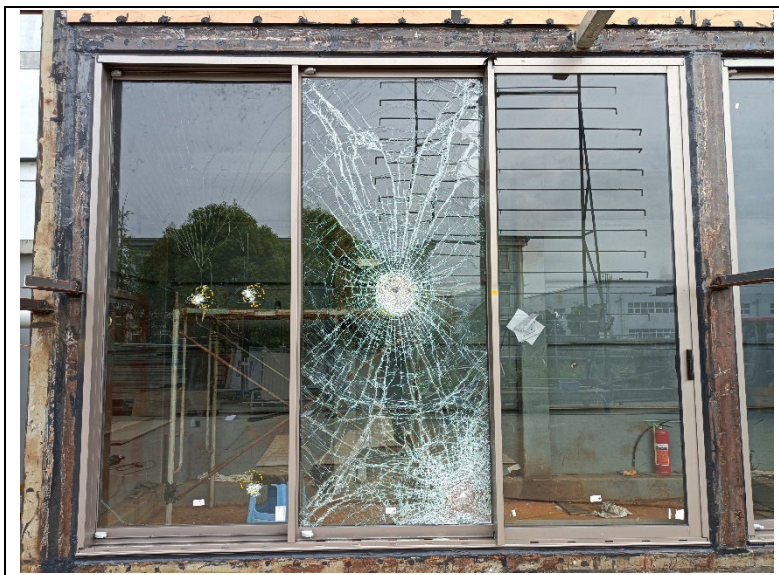


Photo No.13

Specimen #05 after cyclic test (Testing on May 20, 2024)

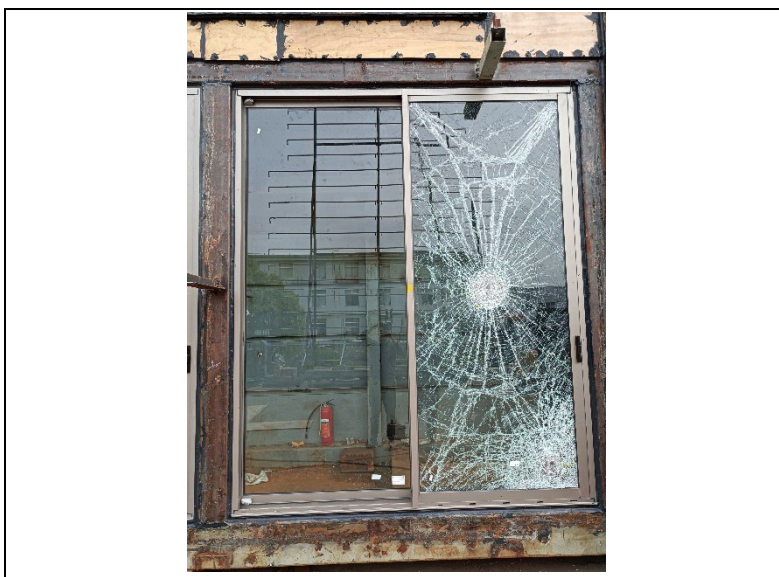


Photo No.14

Specimen #06 after cyclic test (Testing on May 20, 2024)

TEST REPORT

Issue Date: 2024-11-21

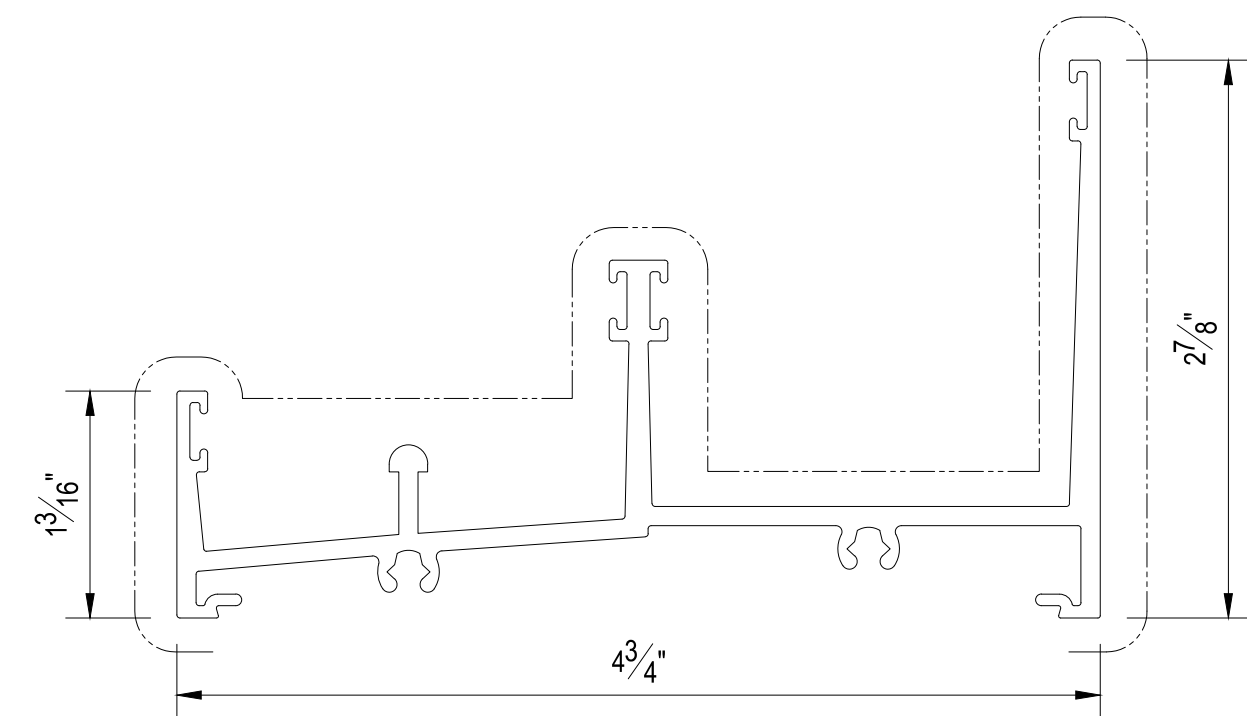
Intertek Report No.: 240412004SHF-002

SECTION 12 DRAWINGS

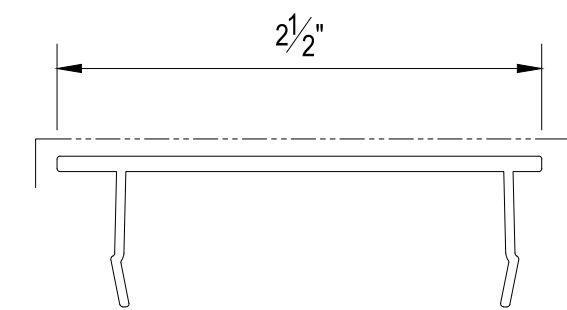
The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.

Proprietary Note:
The copyright of this drawing remains with us. No copies may be taken without our written consent nor the drawing made available to third parties. Legal action will be taken in case of breach of the above requirement.

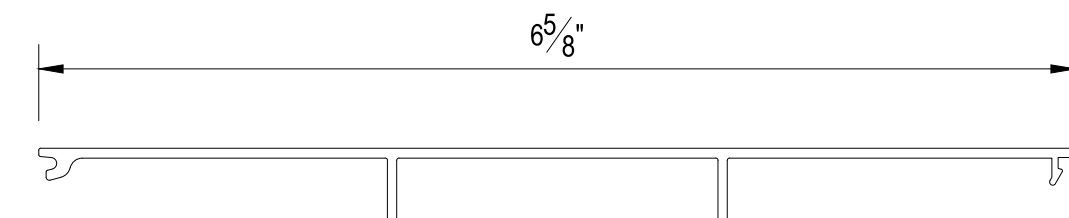
☐ PRELIMINARY
☒ FOR APPROVAL
☐ FOR CONSTRUCTION
☐ AS BUILT



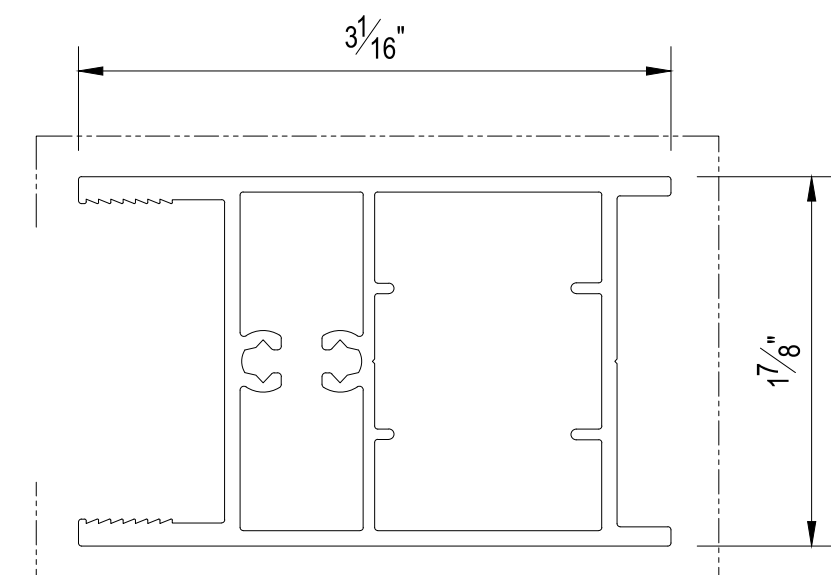
Item No. A01	Extrusion Name: Door Top Rail	Alloy: 6063/6061-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED	Item No. A02	Extrusion Name: Top Rail Cap	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED	Item No. A03	Extrusion Name: Fixed Door Rail	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED	Item No. A04	Extrusion Name: Door Track	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
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Item No. A05	Extrusion Name: Door Sill	Alloy: 6061-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☒ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
Item No. A06	Extrusion Name: Door Jamb Rail	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☒ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
Item No. A07	Extrusion Name: Glass Adaptor	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☒ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
Item No. A08	Extrusion Name: Top Threshold	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☒ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED



Item No. A09	Extrusion Name: Box Interlock	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☒ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
Item No. A10	Extrusion Name: Box Interlock	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☒ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
Item No. A11	Extrusion Name: Door Top Rail	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☒ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
Item No. A12	Extrusion Name: Top Rail Cap	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☒ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED



Item No. A13	Extrusion Name: Door Jamb Rail	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☒ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED	Item No. A14	Extrusion Name: Sill Cap	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☒ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED	Item No. A15	Extrusion Name: Door Stile	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☒ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED	Item No. A16	Extrusion Name: Sliding Door Rail	Alloy: 6063-T6 Area (mm ²): - Mass(kg/m): -	AP(mm): - PP(mm): -	☒ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
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Glazier :  GLAS 1212 Abbot Kinney Blvd Venice, CA 90291
Builder :  ORTEGA CONSTRUCTION COMPANY
Architect :  revuelta architecture international
Facade Consultant :

01	03.07.2024	KONG	FOR APPROVAL
00	05.01.2024	KONG	FOR APPROVAL
<i>Rev</i>	<i>Date</i>	<i>By</i>	<i>Description</i>

2200 Brickell Avenue

Key plan :



Project No. :	Reference No.:
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Acade Manufacturer:



CENTURY

MATERIAL LIST

Drawn by :	Checked by :	Approved by :
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case :

N.T.S.

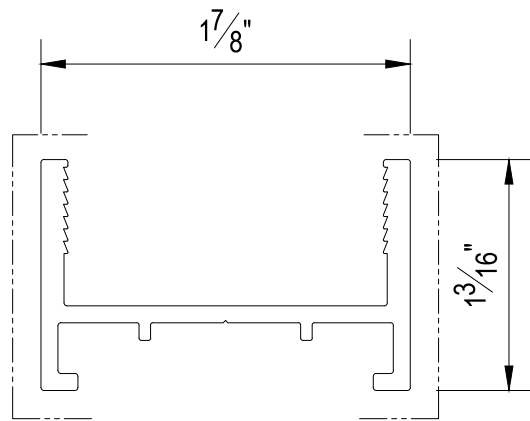
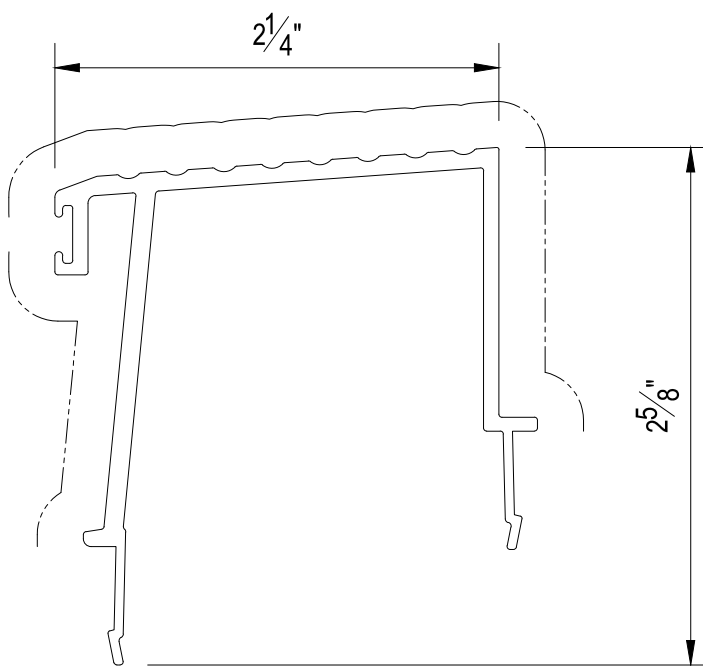
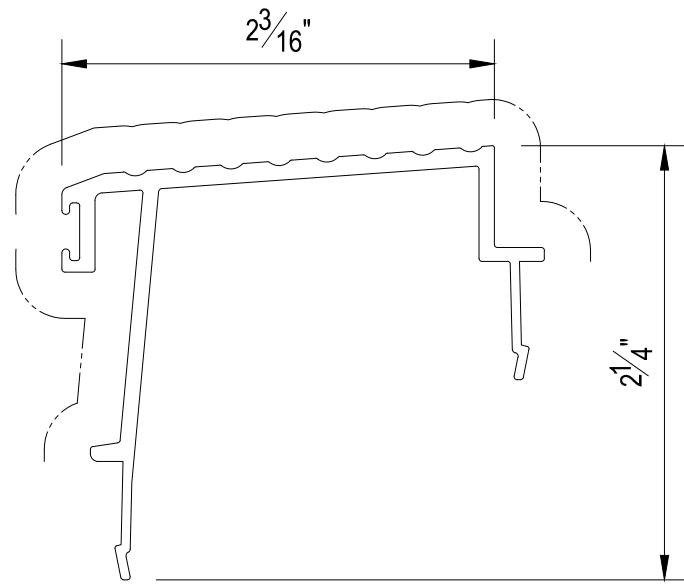
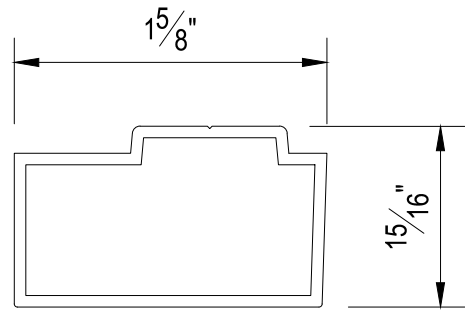
First date of issue :

Drawing No. :		Revision No. :
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PMU-ML1

01

ALUMINUM PROFILES

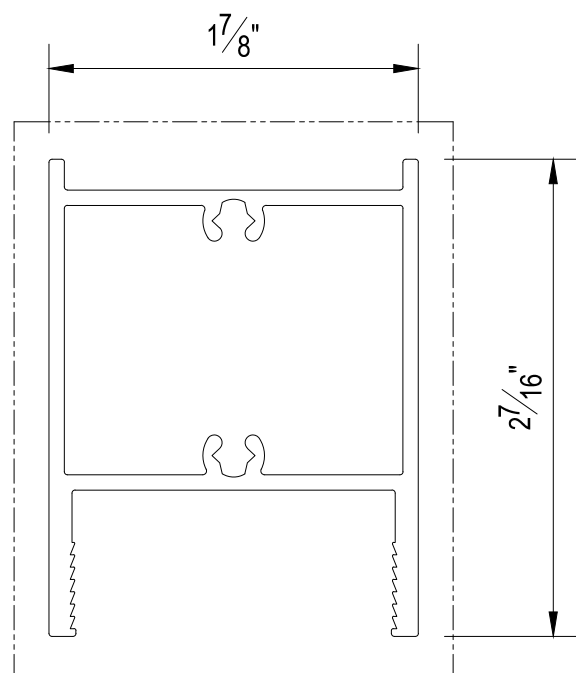
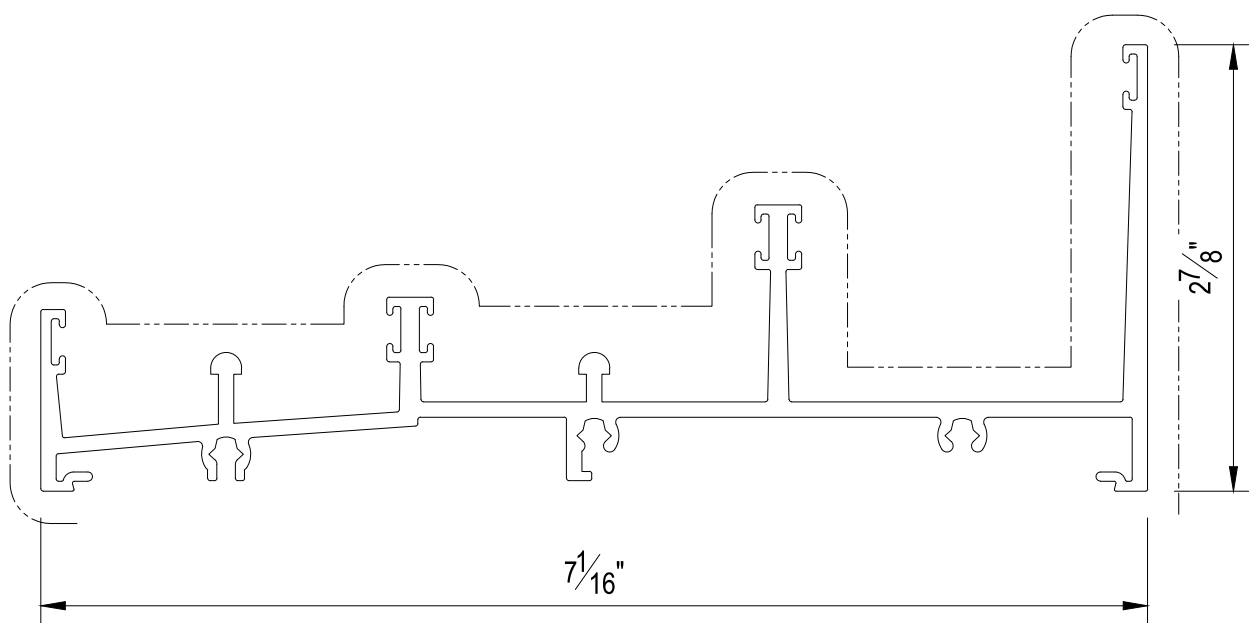
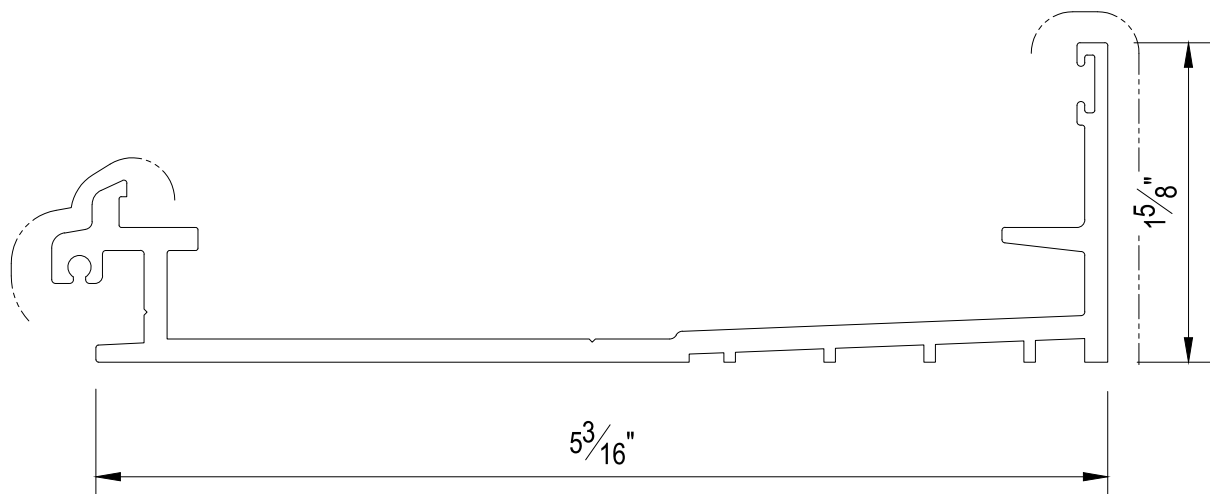
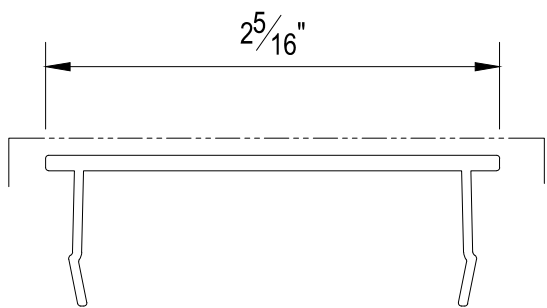


Item No.	Extrusion Name:	Alloy: 6063-T6	AP(mm): -	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
A17	Rail Support	Area (mm ²): -	PP(mm): -	
		Mass(kg/m): -		

Item No.	Extrusion Name:	Alloy: 6063-T6	AP(mm): -	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
A18	Sill Threshold	Area (mm ²): -	PP(mm): -	
		Mass(kg/m): -		

Item No.	Extrusion Name:	Alloy: 6063-T6	AP(mm): -	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
A19	Sill Threshold	Area (mm ²): -	PP(mm): -	
		Mass(kg/m): -		

Item No.	Extrusion Name:	Alloy: 6063-T6	AP(mm): -	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
A20	Rail	Area (mm ²): -	PP(mm): -	
		Mass(kg/m): -		



Item No.	Extrusion Name:	Alloy: 6063-T6	AP(mm): -	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
A21	Side Threshold	Area (mm ²): -	PP(mm): -	
		Mass(kg/m): -		

Item No.	Extrusion Name:	Alloy: 6061-T6	AP(mm): -	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
A22	Door Sill	Area (mm ²): -	PP(mm): -	
		Mass(kg/m): -		

Item No.	Extrusion Name:	Alloy: 6063-T6	AP(mm): -	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
A23	Door Sill	Area (mm ²): -	PP(mm): -	
		Mass(kg/m): -		

Item No.	Extrusion Name:	Alloy: 6063-T6	AP(mm): -	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
A24	Fixed Door Rail	Area (mm ²): -	PP(mm): -	
		Mass(kg/m): -		

Item No.	Extrusion Name:	Alloy:	AP(mm):	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
		Area (mm ²):	PP(mm):	
		Mass(kg/m):		

Item No.	Extrusion Name:	Alloy:	AP(mm):	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
		Area (mm ²):	PP(mm):	
		Mass(kg/m):		

Item No.	Extrusion Name:	Alloy:	AP(mm):	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
		Area (mm ²):	PP(mm):	
		Mass(kg/m):		

Item No.	Extrusion Name:	Alloy:	AP(mm):	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
		Area (mm ²):	PP(mm):	
		Mass(kg/m):		

Item No.	Extrusion Name:	Alloy:	AP(mm):	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
		Area (mm ²):	PP(mm):	
		Mass(kg/m):		

Item No.	Extrusion Name:	Alloy:	AP(mm):	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
		Area (mm ²):	PP(mm):	
		Mass(kg/m):		

Item No.	Extrusion Name:	Alloy:	AP(mm):	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
		Area (mm ²):	PP(mm):	
		Mass(kg/m):		

Item No.	Extrusion Name:	Alloy:	AP(mm):	☐ PVDF ☐ ANODIZED ☐ ANY COLOUR ☐ PRE-TREATED
		Area (mm ²):	PP(mm):	
		Mass(kg/m):		

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NOTES:

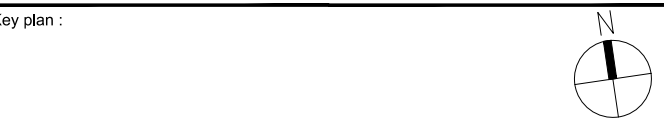
- ☐ PRELIMINARY
☒ FOR APPROVAL
☐ FOR CONSTRUCTION
☐ AS BUILT



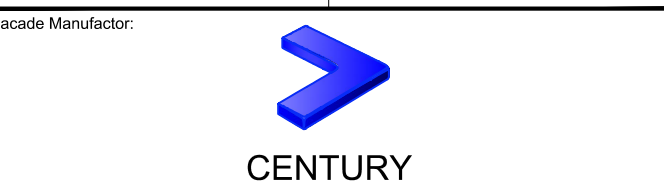
Facade Consultant:

01	20.02.2024	KONG	FOR APPROVAL
02	05.01.2024	KONG	FOR APPROVAL
Rev	Date	By	Description

2200 Brickell Avenue



Project No.:	Reference No.:
--------------	----------------



MATERIAL LIST

Drawn by:	Checked by:	Approved by:
---	---	---
Scale:	N.T.S.	First date of issue:
		05.01.2024

Drawing No.:	Revision No.:
PMU-ML2	01

MATERIAL/COMPONENT SCHEDULE

[illegible][illegible]

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NOTES:

PRELIMINARY

FOR APPROVAL

FOR CONSTRUCTION

AS BUILT

lazer :

GLAS
1212 Abbot Kinney Blvd
Venice, CA 90291

builder:

ORTEGA
CONSTRUCTION COMPANY

architect :

revuelta
architecture
international

Acade Consultant :

1	03.07.2024	KONG	FOR APPROVAL
0	05.01.2024	KONG	FOR APPROVAL
per	Date	By	Description

Subject Name :

2200 Brickell Avenue

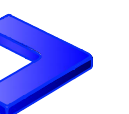
plan :



ject No :

Reference No.:

Trade Manufacturer:



CENTURY

②:

MATERIAL LIST

own by :

checked by :

powered by :

40

.T.S.

first date of issue

Drawing No. :

PMU-ML3

01

DIVULGATION AND REPRODUCTION FORBIDDEN BY LAW

PMU SPECIMEN 01:

- 2-TRACKS O-X-X-O
- REINFORCED MULLIONS
- 2 PANELS $\frac{9}{16}$ " LAMINATED GLASS
- 2 PANEL $1\frac{1}{4}$ " IGU
- DESIGN LOAD: 80 PSF

PMU TEST:

- TAS 201
- TAS 202
- TAS 203

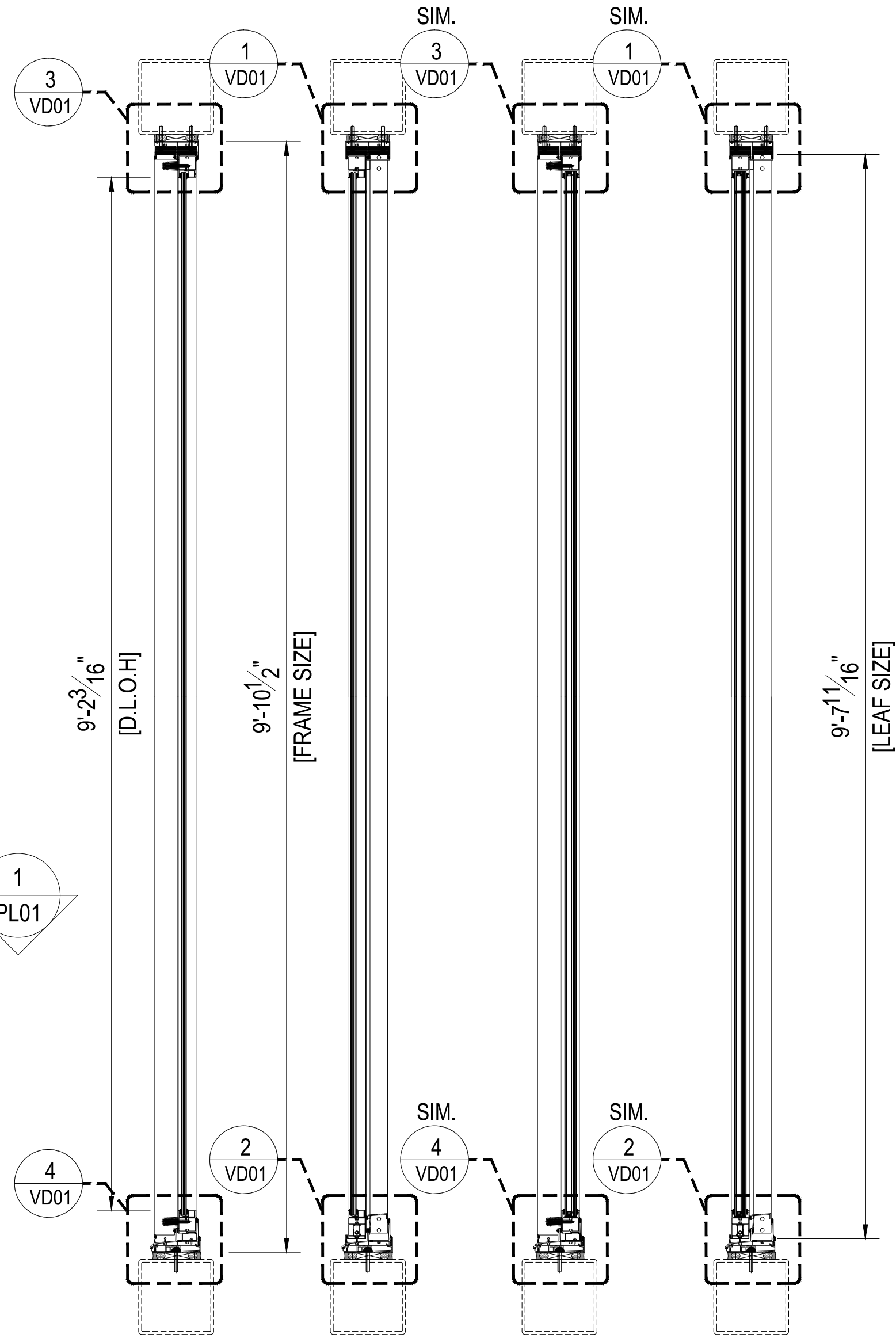
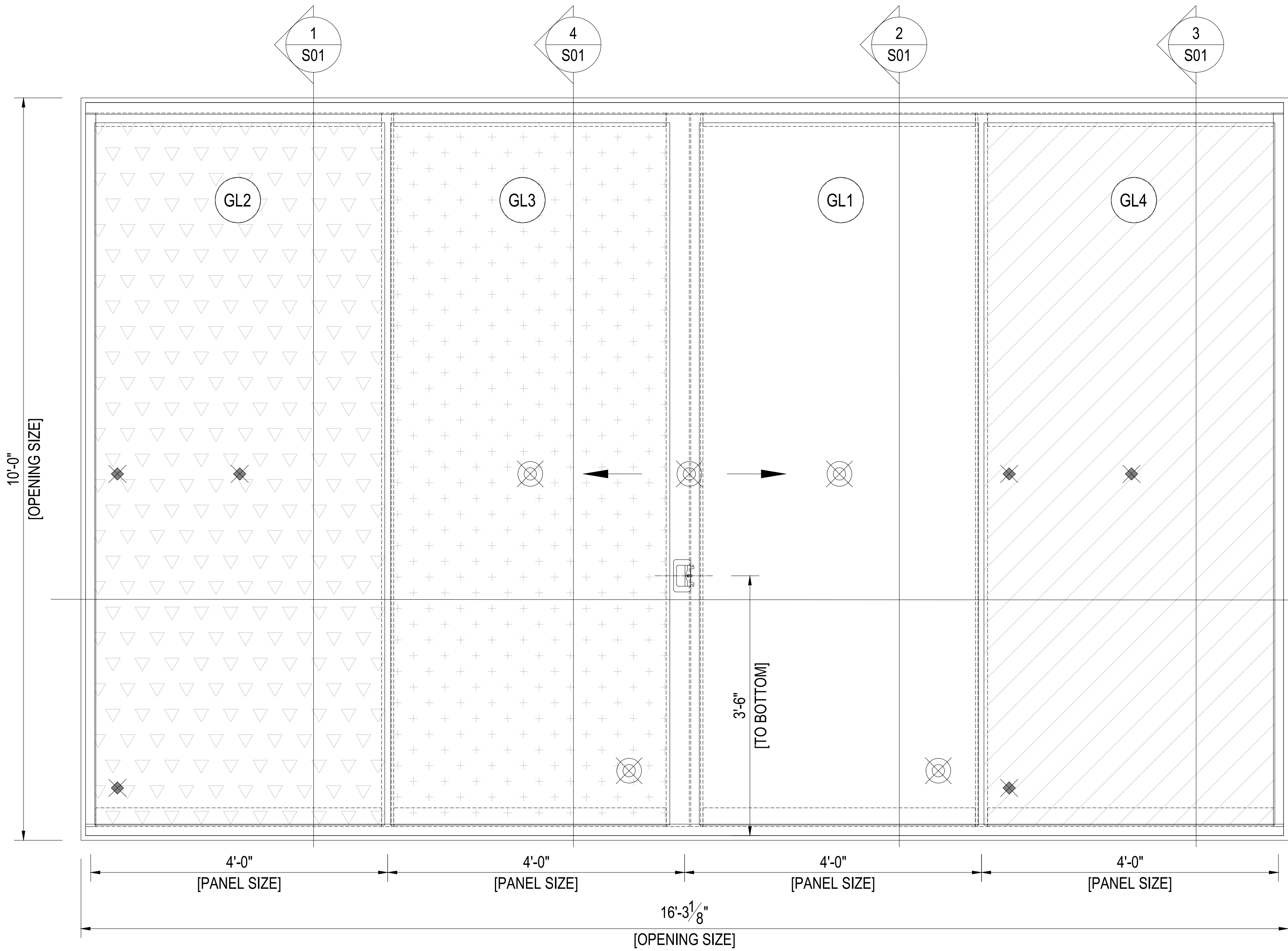
intertek
Total Quality. Assured.

Report #: 240412004SHF-002
Date: 11/11/24
Verified by: *Zoe Zhang*

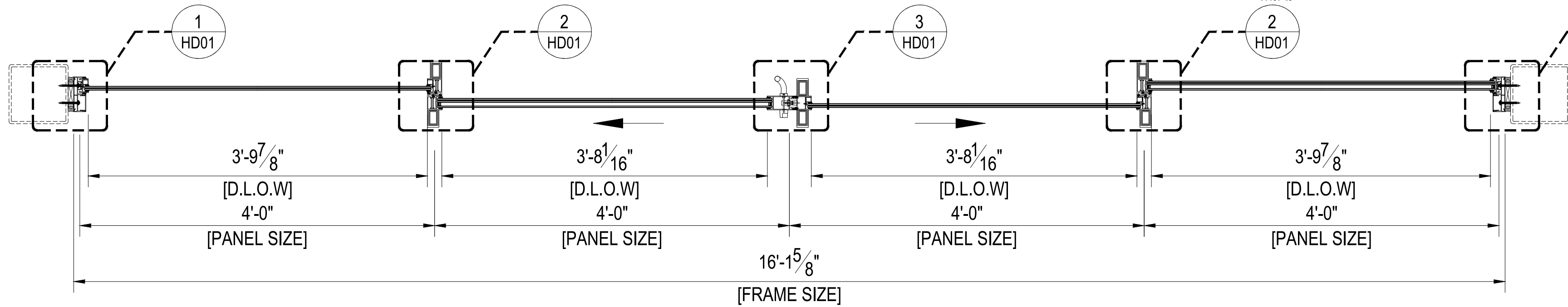
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- ☐ AS BUILT



PARTIAL ELEVATION
PE01 OXXO SLIDING DOOR



PARTIAL PLAN
PL01

LEGEND:

- ☐ GL1: 1/4" CLEAR HS (7500PSI)+3/32" SGP+1/4" CLEAR HS
- ☐ GL2: 1/4" CLEAR HS (7500PSI)+1/16" PVB+1/4" CLEAR HS
- ☐ GL3: 1/4" CLEAR HS (7500PSI)+1/2" AIR+1/4" CLEAR HS (7500PSI)+3/32" SGP+1/4" CLEAR HS
- ☐ GL4: 1/4" CLEAR HS (7500PSI)+1/2" AIR+1/4" CLEAR HS (7500PSI)+1/16" PVB+1/4" CLEAR HS
- ☒ LMI TEST TARGET
- ☒ SMI TEST TARGET

Glazier : **GLAS**
1212 Abbot Kinney Blvd
Venice, CA 90291

Builder: **ORTEGA**
CONSTRUCTION COMPANY

Architect: **revuelta**
architecture international

Facade Consultant :

Rev	Date	By	Description
01	03.07.2024	KONG	FOR APPROVAL
02	31.01.2024	KONG	FOR APPROVAL

Project Name : 2200 Brickell Avenue

Key plan :

Project No. : Reference No. :

Facade Manufacturer: **CENTURY**

Title: PMU-SLIDING DOOR
PARTIAL ELEVATION

Drawn by : Checked by : Approved by :
Scale : 1 : 12 First date of issue : 05.01.2024

Drawing No. : PMU-PE01 Revision No. : 01

DIVULGATION AND REPRODUCTION FORBIDDEN BY LAW

- PMU SPECIMEN 02:
- 2-TRACKS O-X-X-O
 - REINFORCED MULLIONS
 - 2 PANELS $\frac{9}{16}$ " LAMINATED GLASS
 - 2 PANEL $1\frac{1}{4}$ " IGU
 - DESIGN LOAD: 80 PSF

- PMU TEST:
- TAS 201
 - TAS 203



Total Quality. Assured.

Report #: 240412004SHF-002

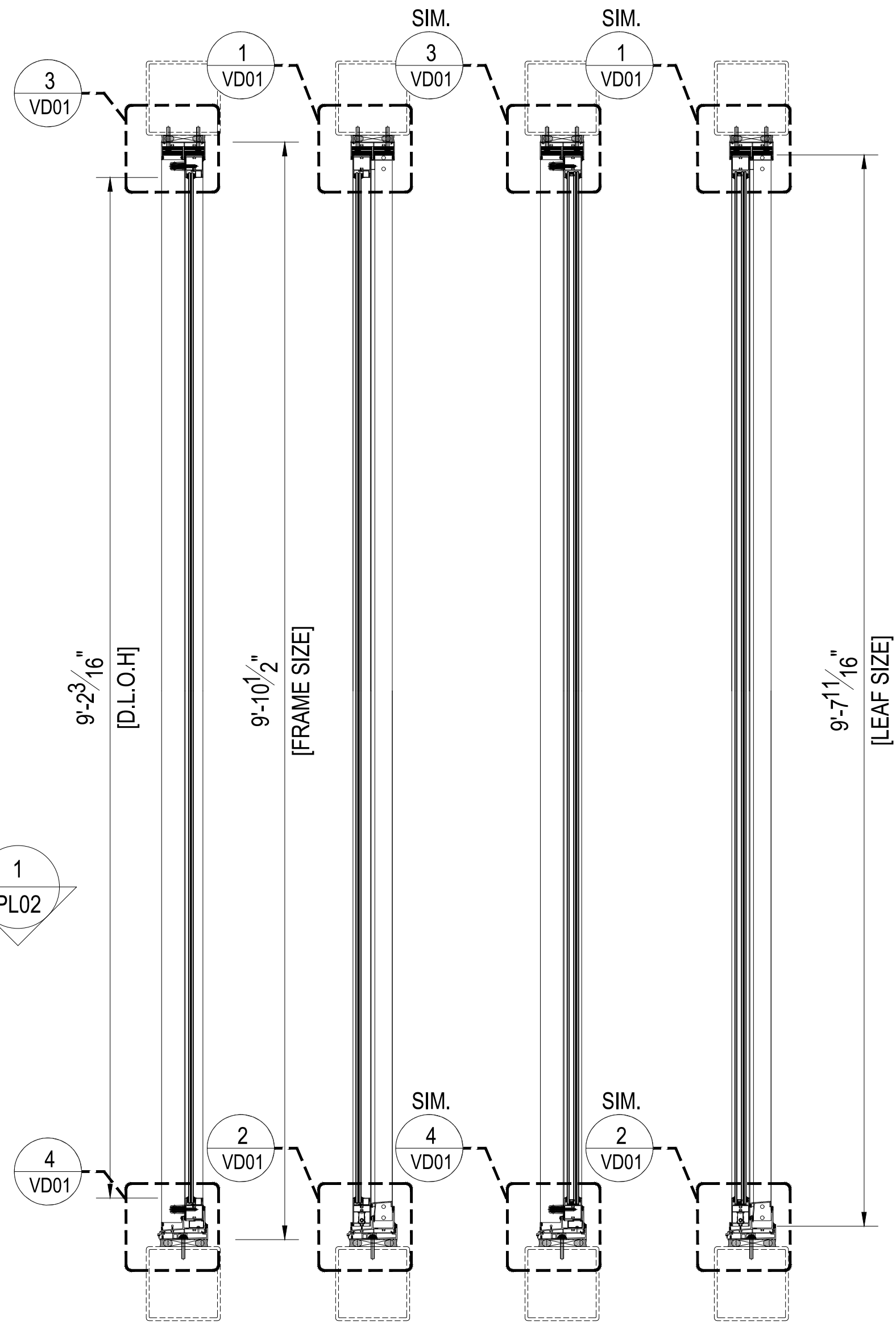
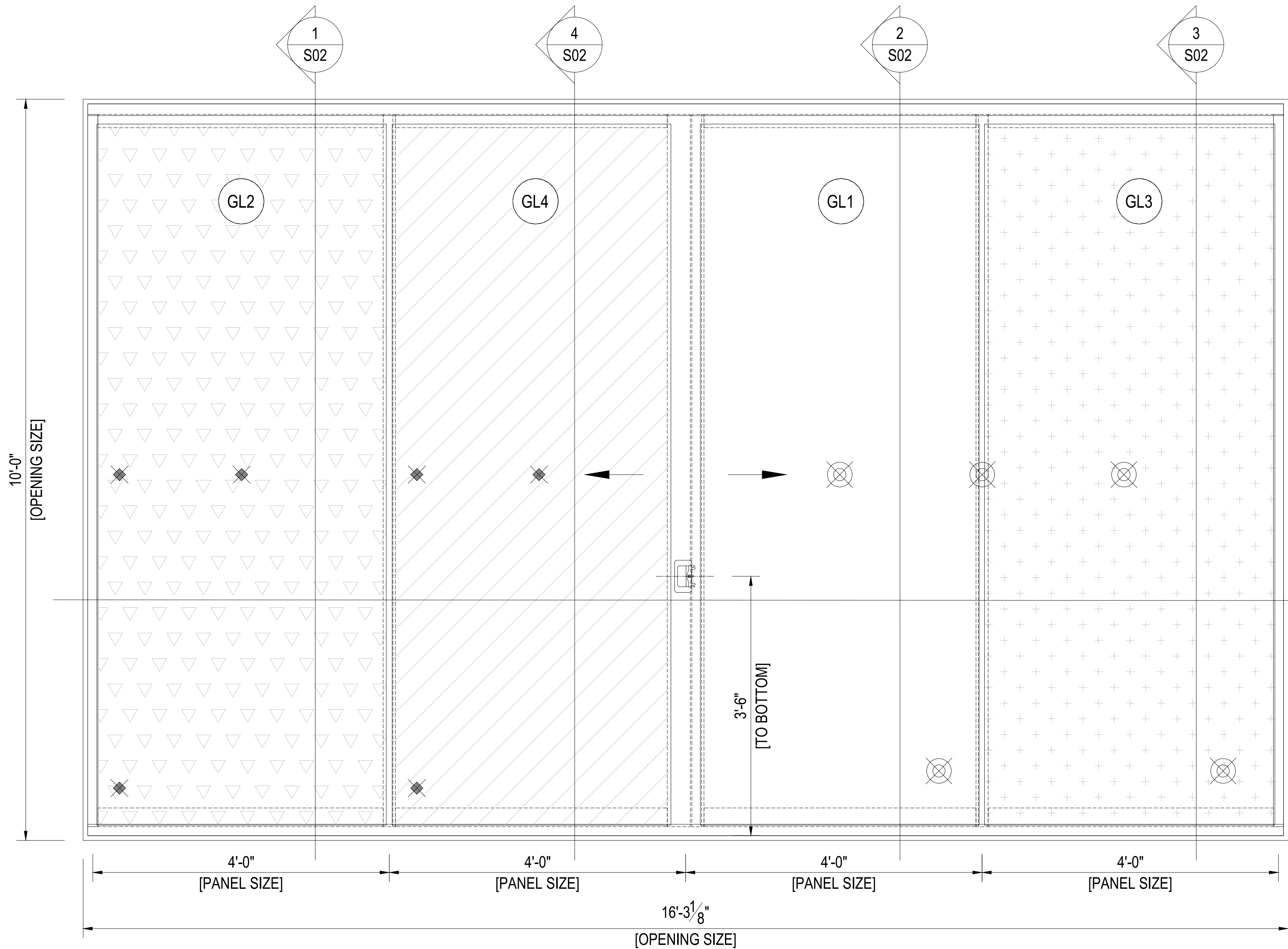
Date: 11/11/24

Verified by: *Zac Zhang*

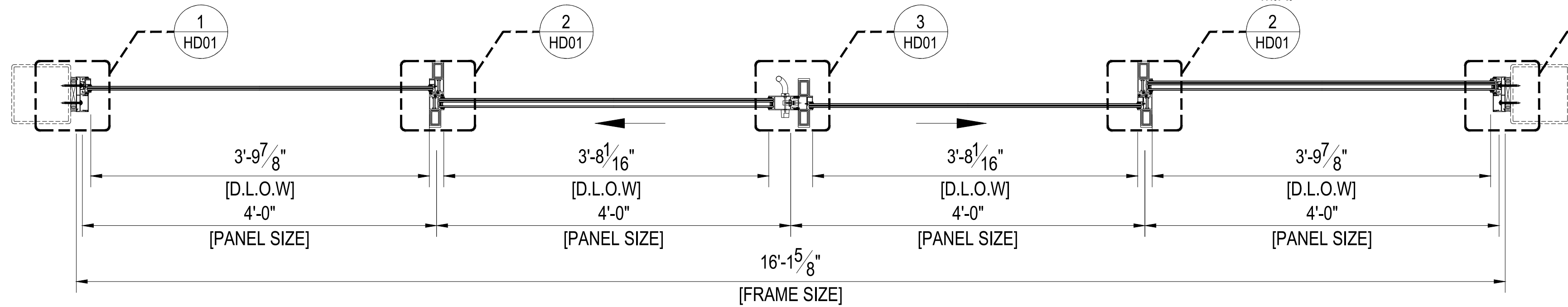
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- ☐ FOR CONSTRUCTION
- ☐ AS BUILT



PARTIAL ELEVATION
PE02 OXXO SLIDING DOOR



PARTIAL PLAN
PL02

1 SECTION
S02 -

2 SECTION
S02 -

3 SECTION
S02 -

4 SECTION
S02 -

LEGEND:

- GL1: $\frac{1}{4}$ " CLEAR HS (7500PSI)+ $\frac{3}{32}$ " SGP+ $\frac{1}{4}$ " CLEAR HS
- GL2: $\frac{1}{4}$ " CLEAR HS (7500PSI)+ $\frac{1}{16}$ " PVB+ $\frac{1}{4}$ " CLEAR HS
- GL3: $\frac{1}{4}$ " CLEAR HS (7500PSI)+ $\frac{1}{2}$ " AIR+ $\frac{1}{4}$ " CLEAR HS (7500PSI)+ $\frac{3}{32}$ " SGP+ $\frac{1}{4}$ " CLEAR HS
- GL4: $\frac{1}{4}$ " CLEAR HS (7500PSI)+ $\frac{1}{2}$ " AIR+ $\frac{1}{4}$ " CLEAR HS (7500PSI)+ $\frac{1}{16}$ " PVB+ $\frac{1}{4}$ " CLEAR HS
- LMI TEST TARGET
- SMI TEST TARGET

Glazier :



1212 Abbot Kinney Blvd
Venice, CA 90291

Builder:



Architect :



Facade Consultant :

Rev	Date	By	Description
01	03.07.2024	KONG	FOR APPROVAL
02	31.01.2024	KONG	FOR APPROVAL

Project Name :

2200 Brickell Avenue

Key plan :

Project No. : - Reference No. : -

Facade Manufacturer:



CENTURY

Title:
PMU-SLIDING DOOR
PARTIAL ELEVATION

Drawn by : - Checked by : - Approved by : -

Scale : 1 : 12 First date of issue : 05.01.2024

Drawing No. : PMU-PE02 Revision No. : 01

DIVULGATION AND REPRODUCTION FORBIDDEN BY LAW

- PMU SPECIMEN 03:
- 2-TRACKS O-X-X-O
 - REINFORCED MULLIONS
 - 2 PANELS $\frac{9}{16}$ " LAMINATED GLASS
 - 2 PANEL $1\frac{1}{4}$ " IGU
 - DESIGN LOAD: 80 PSF

- PMU TEST:
- TAS 201
 - TAS 203

intertek

Total Quality. Assured.

Report #:

240412004SHF-002

Date:

11/11/24

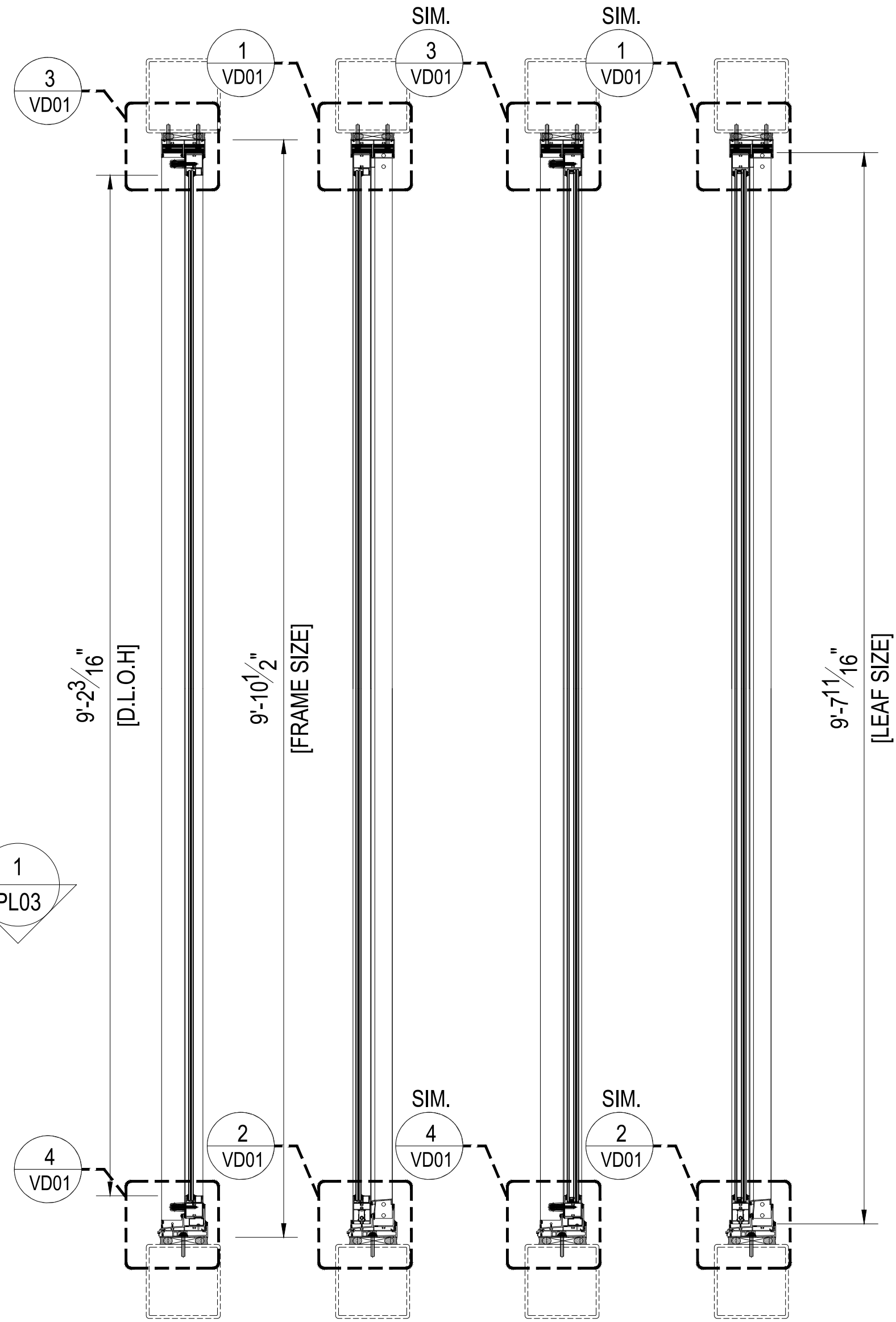
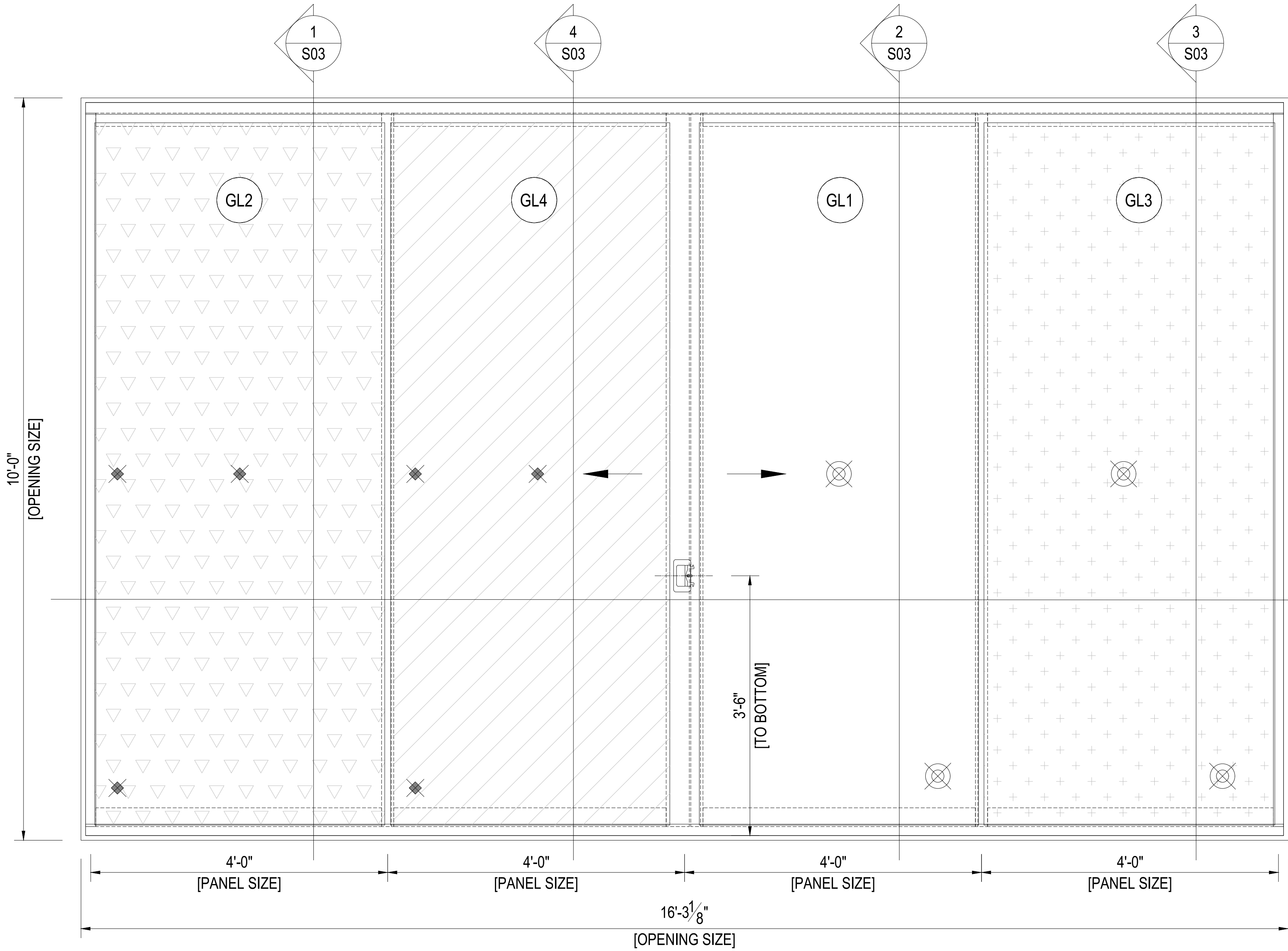
Verified by:

Zac Zhang

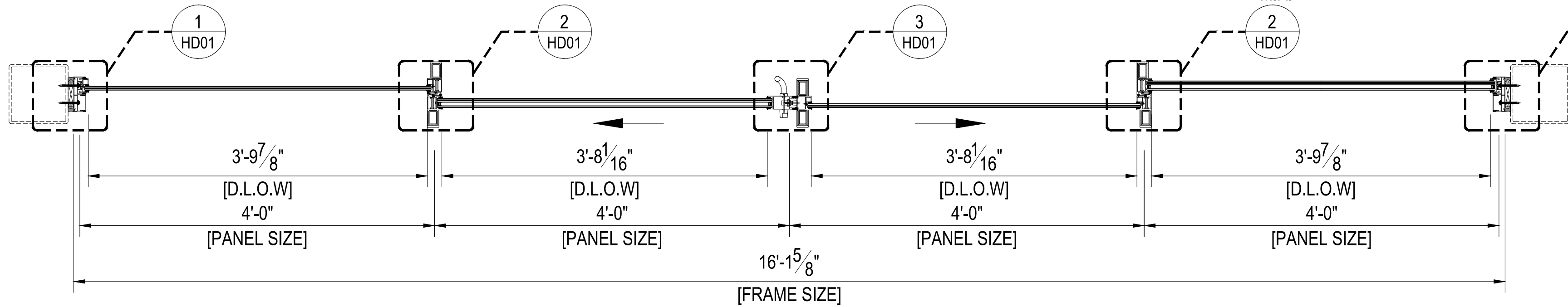
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NOTES:

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- ☒ FOR APPROVAL
- ☐ FOR CONSTRUCTION
- ☐ AS BUILT



PARTIAL ELEVATION
PE03 OXXO SLIDING DOOR



PARTIAL PLAN
PL03

LEGEND:

- GL1: $\frac{1}{4}$ " CLEAR HS (7500PSI)+ $\frac{3}{32}$ " SGP+ $\frac{1}{4}$ " CLEAR HS
- GL2: $\frac{1}{4}$ " CLEAR HS (7500PSI)+ $\frac{1}{16}$ " PVB+ $\frac{1}{4}$ " CLEAR HS
- GL3: $\frac{1}{4}$ " CLEAR HS (7500PSI)+ $\frac{1}{2}$ " AIR+ $\frac{1}{4}$ " CLEAR HS (7500PSI)+ $\frac{3}{32}$ " SGP+ $\frac{1}{4}$ " CLEAR HS
- GL4: $\frac{1}{4}$ " CLEAR HS (7500PSI)+ $\frac{1}{2}$ " AIR+ $\frac{1}{4}$ " CLEAR HS (7500PSI)+ $\frac{1}{16}$ " PVB+ $\frac{1}{4}$ " CLEAR HS
- LMI TEST TARGET
- SMI TEST TARGET

GLAS

1212 Abbot Kinney Blvd
Venice, CA 90291

ORTEGA

CONSTRUCTION COMPANY

revuelta

architecture
international

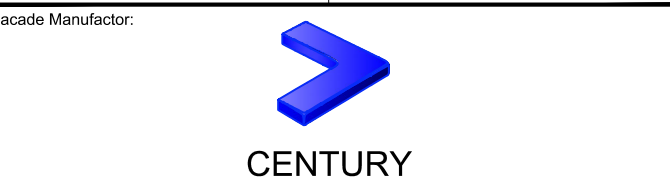
Facade Consultant:

Rev	Date	By	Description
01	03.07.2024	KONG	FOR APPROVAL
02	31.01.2024	KONG	FOR APPROVAL

Project Name :
2200 Brickell Avenue



Project No. : - Reference No. : -



Title:
PMU-SLIDING DOOR
PARTIAL ELEVATION

Drawn by : - Checked by : - Approved by : -

Scale : 1 : 12 First date of issue : 05.01.2024

Drawing No. : PMU-PE03 Revision No. : 01

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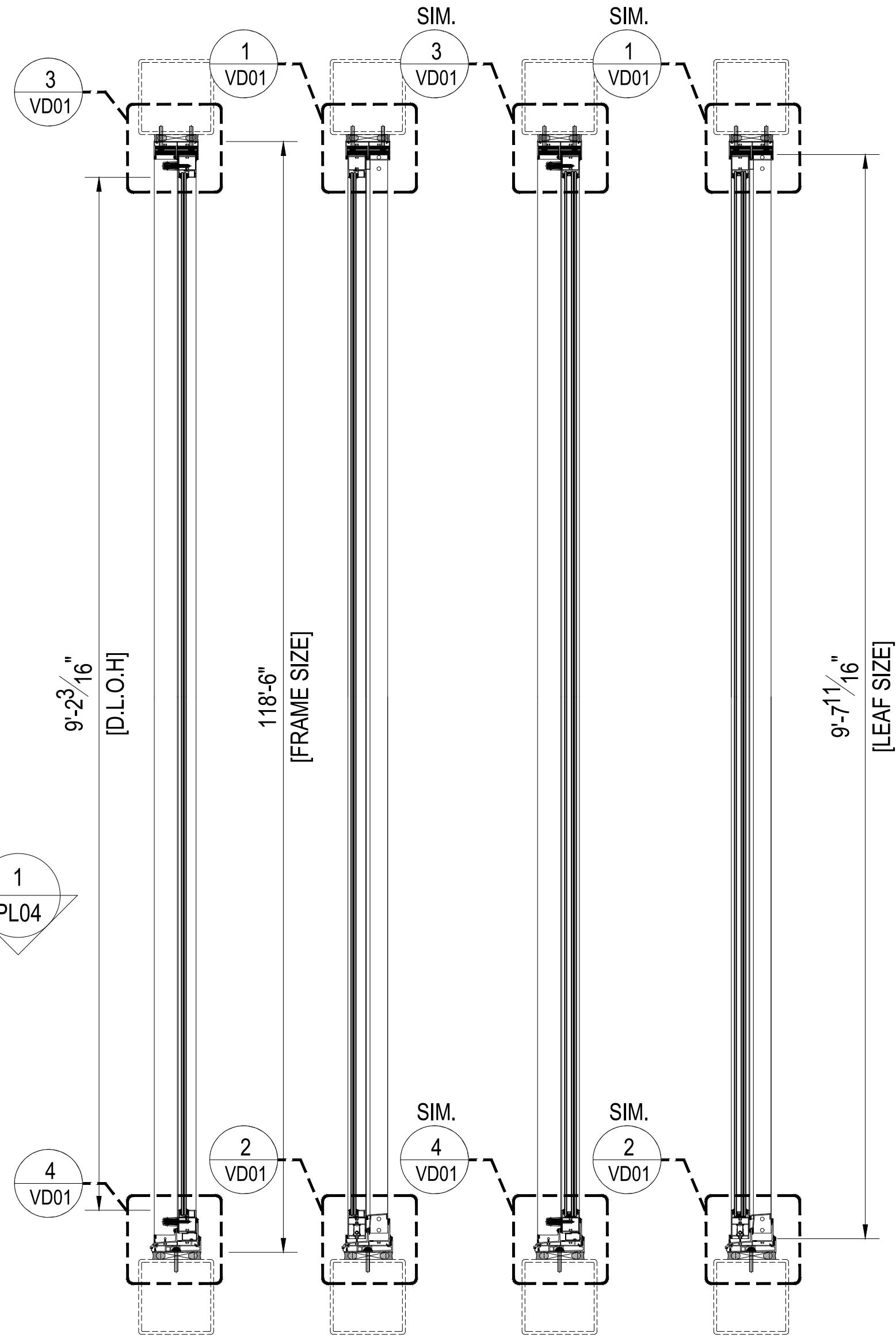
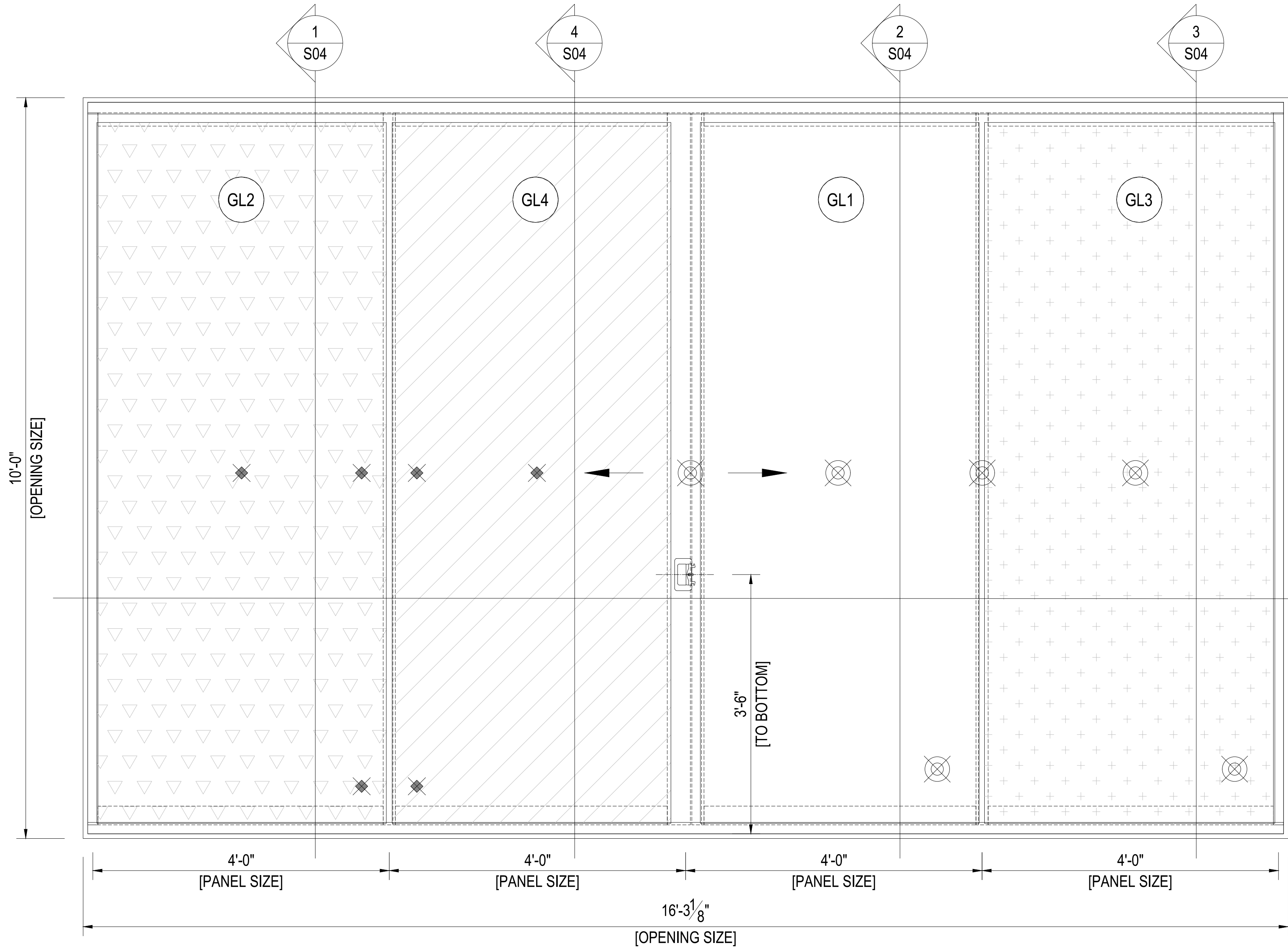
- PMU SPECIMEN 04:
- 2-TRACKS O-X-X-O
 - NON-REINFORCED MULLIONS
 - 2 PANELS $\frac{9}{16}$ " LAMINATED GLASS
 - 2 PANEL $1\frac{1}{4}$ " IGU
 - DESIGN LOAD: MAX LOAD BASED ON DEFLECTION

- PMU TEST:
- TAS 201
 - TAS 202(S)
 - TAS 203

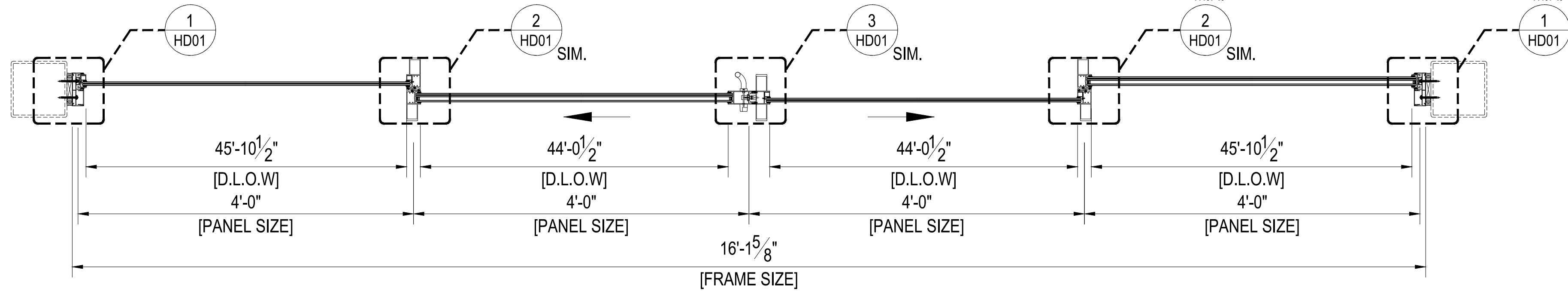
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NOTES:

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- ☐ AS BUILT



PARTIAL ELEVATION
PE04 OXXO SLIDING DOOR



PARTIAL PLAN
PL04

LEGEND:

- ☐ GL1: 1/4" CLEAR HS (7500PSI)+3/32" SGP+1/4" CLEAR HS
- ☐ GL2: 1/4" CLEAR HS (7500PSI)+1/16" PVB+1/4" CLEAR HS
- ☐ GL3: 1/4" CLEAR HS (7500PSI)+1/2" AIR+1/4" CLEAR HS (7500PSI)+3/32" SGP+1/4" CLEAR HS
- ☐ GL4: 1/4" CLEAR HS (7500PSI)+1/2" AIR+1/4" CLEAR HS (7500PSI)+1/16" PVB+1/4" CLEAR HS
- ☒ LMI TEST TARGET
- ☒ SMI TEST TARGET

Project Name : 2200 Brickell Avenue

Key plan :

Project No. : - Reference No. : -

Facade Manufacturer :  CENTURY

Title : PMU-SLIDING DOOR PARTIAL ELEVATION

Drawn by : - Checked by : - Approved by : -

Scale : 1 : 12 First date of issue : 05.01.2024

Drawing No. : PMU-PE04 Revision No. : 01

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PMU SPECIMEN 05:

- 3-TRACKS O-X-X
- REINFORCED MULLIONS
- 3 PANELS $\frac{9}{16}$ " LAMINATED GLASS
- DESIGN LOAD: 80 PSF

PMU TEST:

- TAS 201
- TAS 202
- TAS 203

intertek

Total Quality. Assured.

Report #:

240412004SHF-002

Date:

11/11/24

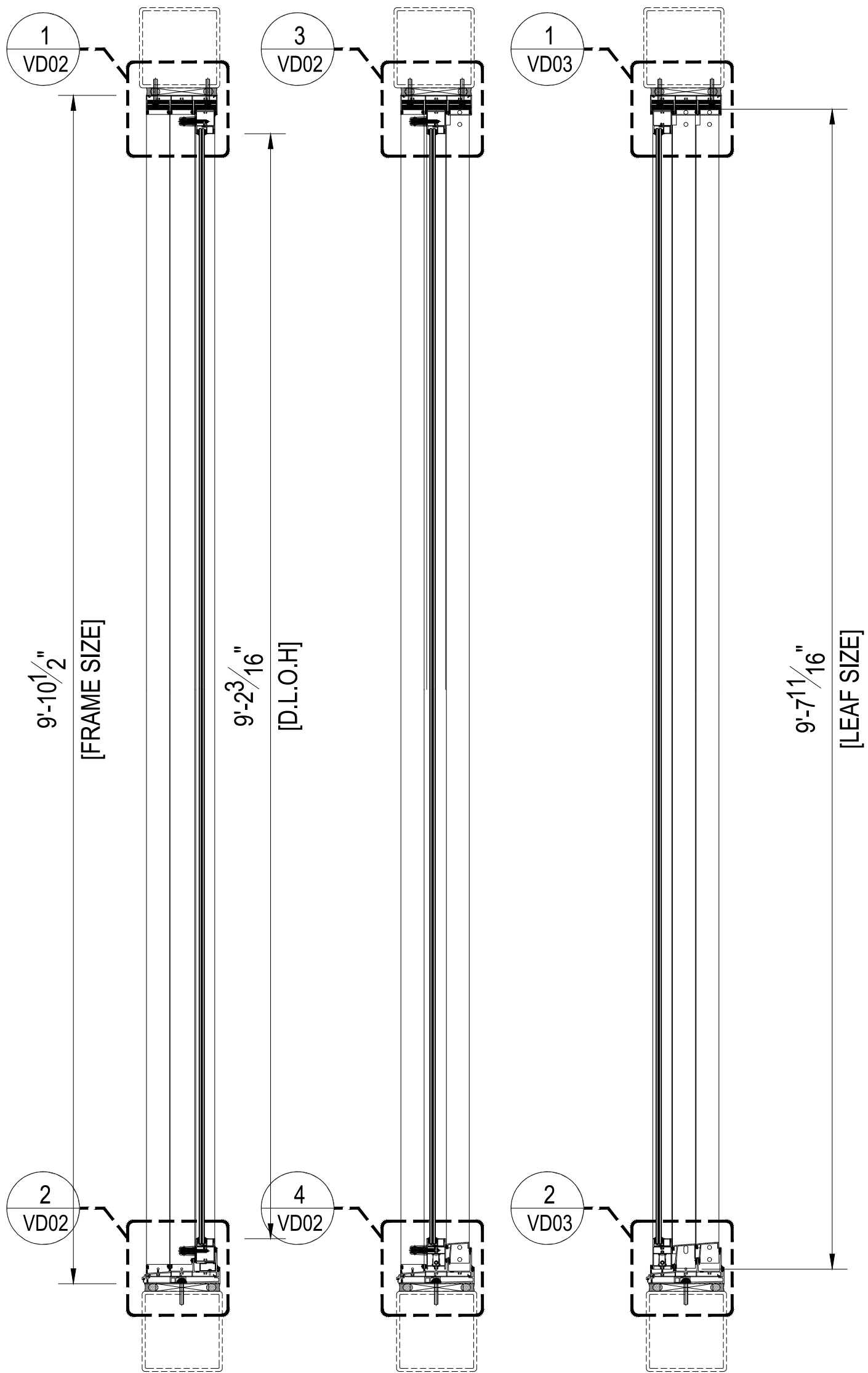
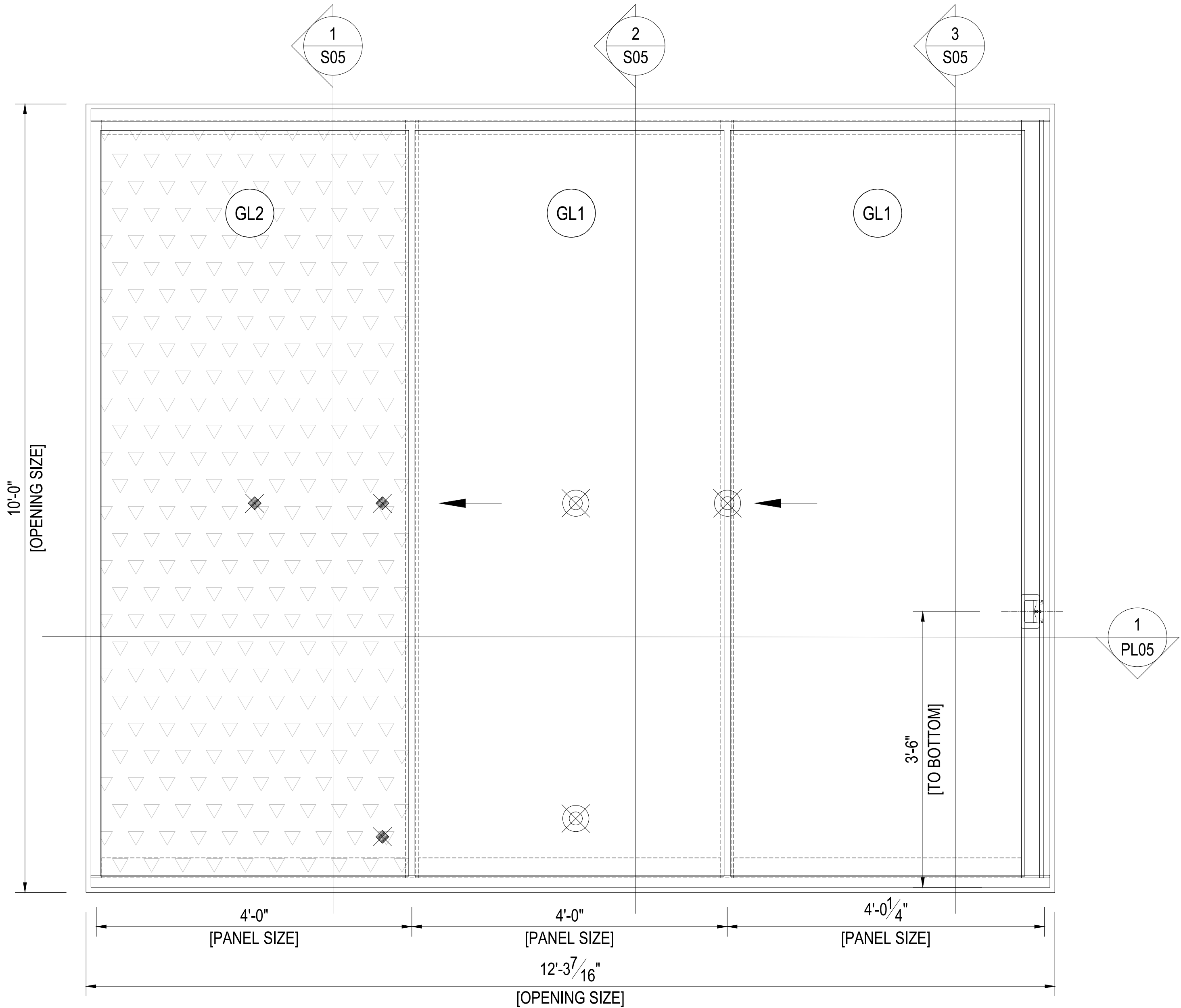
Verified by:

Zac Zhang

Proprietary Note:
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NOTES:

- ☐ PRELIMINARY
- ☒ FOR APPROVAL
- ☐ FOR CONSTRUCTION
- ☐ AS BUILT

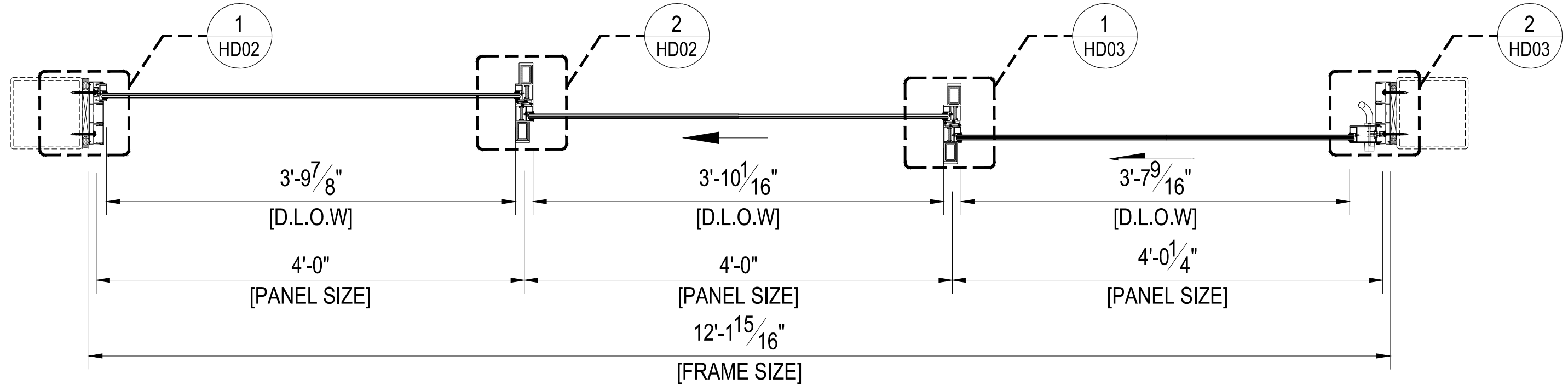


1 SECTION
S05 -

2 SECTION
S05 -

3 SECTION
S05 -

- PARTIAL ELEVATION
PE05 OXX SLIDING DOOR



- PARTIAL PLAN
PL05 -

LEGEND:

- GL1: 1/4" CLEAR HS (7500PSI)+3/32" SGP+1/4" CLEAR HS
- GL2: 1/4" CLEAR HS (7500PSI)+1/16" PVB+1/4" CLEAR HS
- GL3: 1/4" CLEAR HS (7500PSI)+1/2" AIR+1/4" CLEAR HS (7500PSI)+3/32" SGP+1/4" CLEAR HS
- GL4: 1/4" CLEAR HS (7500PSI)+1/2" AIR+1/4" CLEAR HS (7500PSI)+1/16" PVB+1/4" CLEAR HS
- LMI TEST TARGET
- SMI TEST TARGET

Project No.:

-

Reference No.:

-

Facade Manufacturer:

CENTURY

Title:

PMU-SLIDING DOOR
PARTIAL ELEVATION

Drawn by:

-

Checked by:

-

Approved by:

-

Scale:

1 : 12

First date of issue:

05.01.2024

Drawing No.:

PMU-PE05

Revision No.:

01

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PMU SPECIMEN 06:

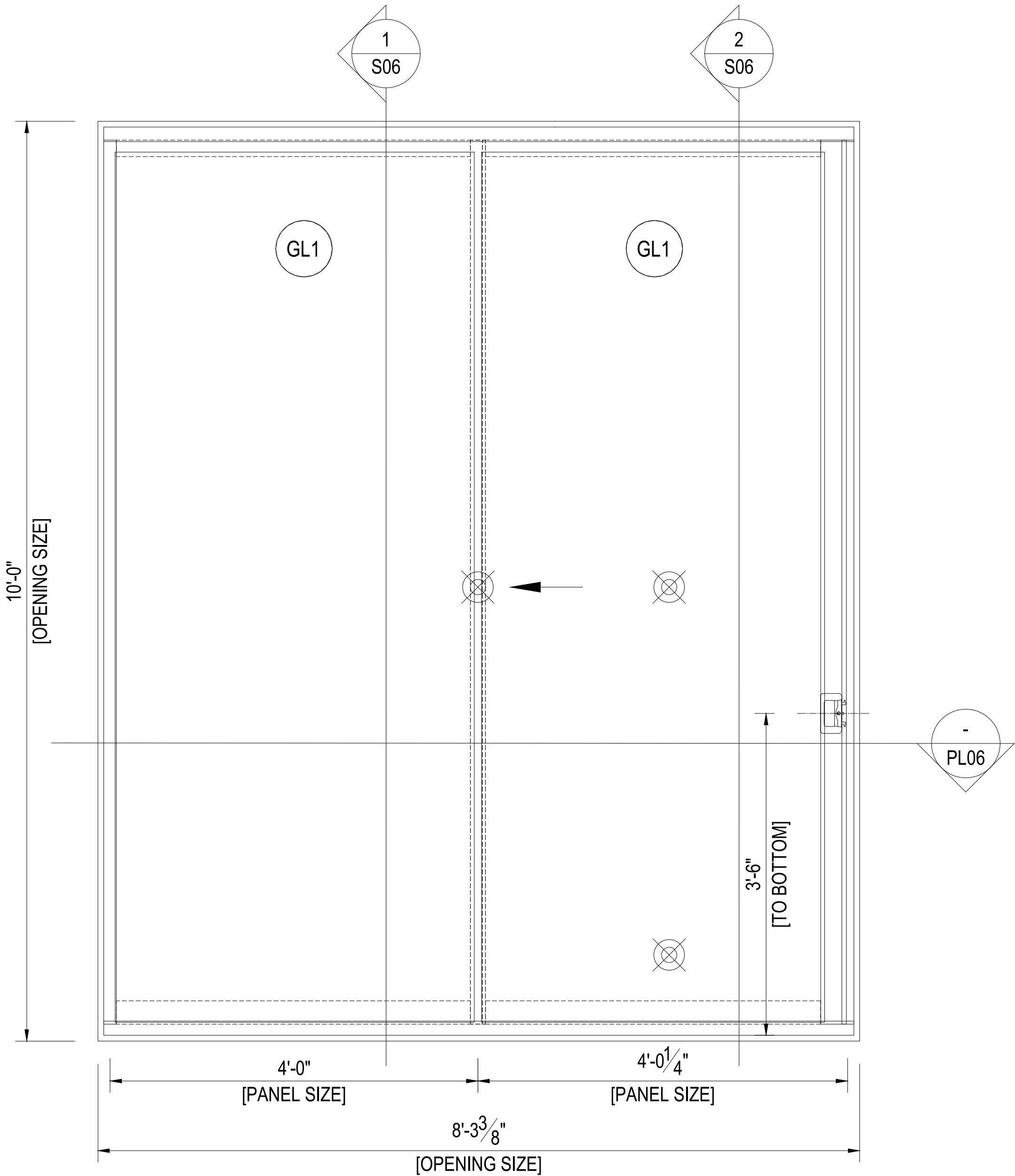
- 2-TRACKS O-X
- REINFORCED MULLIONS
- 2 PANELS $\frac{9}{16}$ " LAMINATED GLASS
- DESIGN LOAD: 80 PSF

PMU TEST:

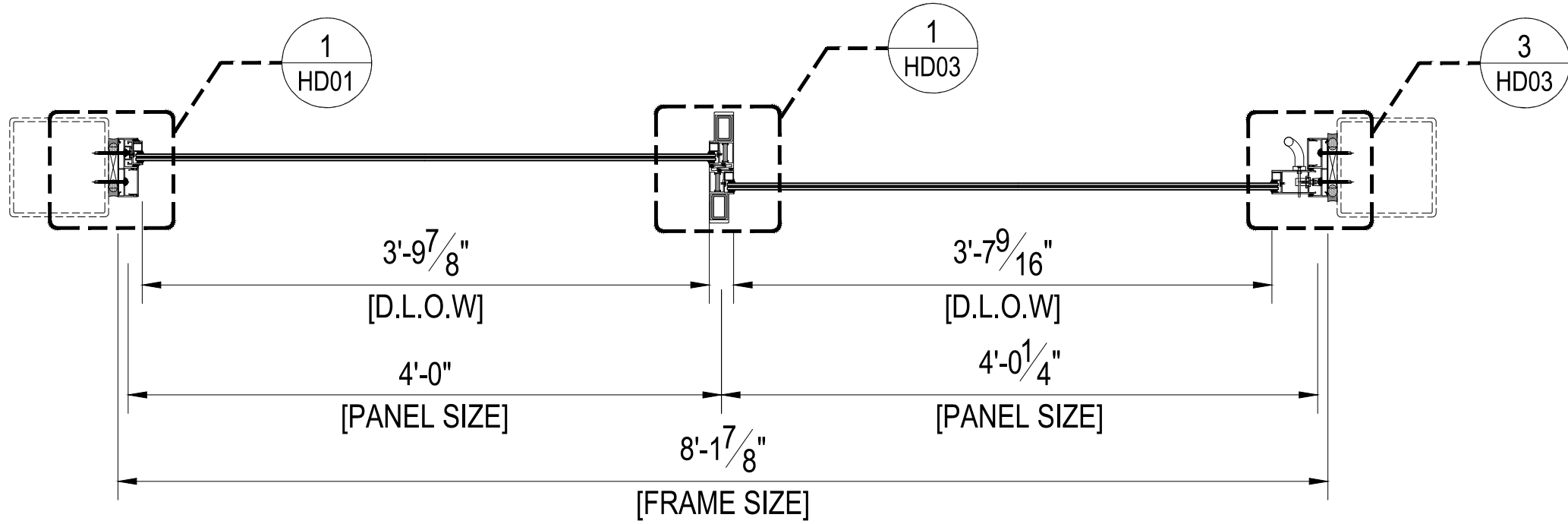
- TAS 201
- TAS 202
- TAS 203

intertek
Total Quality. Assured.

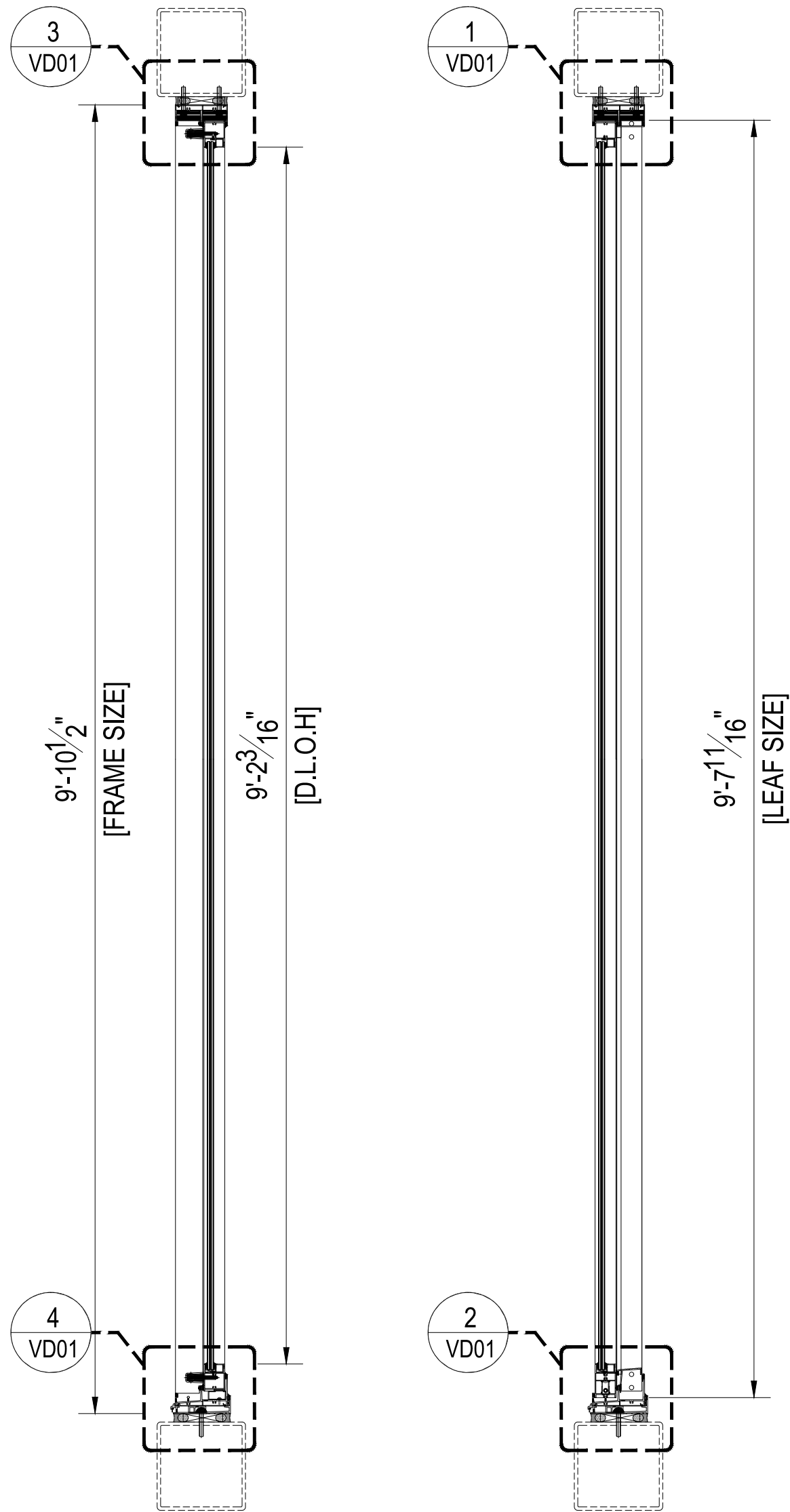
Report #: 240412004SHF-002
Date: 11/11/24
Verified by: *Zac Zhang*



- PARTIAL ELEVATION
PE06 OX SLIDING DOOR



- PARTIAL PLAN
PL06



1 SECTION
S06

2 SECTION
S06

LEGEND:

- GL1: 1/4" CLEAR HS (7500PSI)+3/32" SGP+1/4" CLEAR HS
- GL2: 1/4" CLEAR HS (7500PSI)+1/16" PVB+1/4" CLEAR HS
- GL3: 1/4" CLEAR HS (7500PSI)+1/2" AIR+1/4" CLEAR HS (7500PSI)+3/32" SGP+1/4" CLEAR HS
- GL4: 1/4" CLEAR HS (7500PSI)+1/2" AIR+1/4" CLEAR HS (7500PSI)+1/16" PVB+1/4" CLEAR HS
- LMI TEST TARGET
- SMI TEST TARGET

Proprietary Note:
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NOTES:

- ☐ PRELIMINARY
- ☒ FOR APPROVAL
- ☐ FOR CONSTRUCTION
- ☐ AS BUILT

Glazier : **GLAS**
1212 Abbot Kinney Blvd
Venice, CA 90291

Builder: **ORTEGA**
CONSTRUCTION COMPANY

Architect: **revuelta**
architecture international

Facade Consultant :

Rev	Date	By	Description
01	03.07.2024	KONG	FOR APPROVAL
02	31.01.2024	KONG	FOR APPROVAL

Project Name : 2200 Brickell Avenue

Key plan :

Project No. : - Reference No. : -

Facade Manufacturer: **CENTURY**

Title: PMU-SLIDING DOOR
PARTIAL ELEVATION

Drawn by : - Checked by : - Approved by : -

Scale : 1 : 12 First date of issue : 05.01.2024

Drawing No. : PMU-PE06 Revision No. : 01

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NOTES:

- ☐ PRELIMINARY
☒ FOR APPROVAL
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☐ AS BUILT

Glazier : **GLAS**
1212 Abbot Kinney Blvd
Venice, CA 90291

Builder: **ORTEGA**
CONSTRUCTION COMPANY

Architect : **revuelta**
architecture
international

Facade Consultant :

00	03.07.2024	KONG	FOR APPROVAL
Rev	Date	By	Description

Project Name :
2200 Brickell Avenue

Key plan :

Project No. :
Reference No. :

Facade Manufacturer:
CENTURY

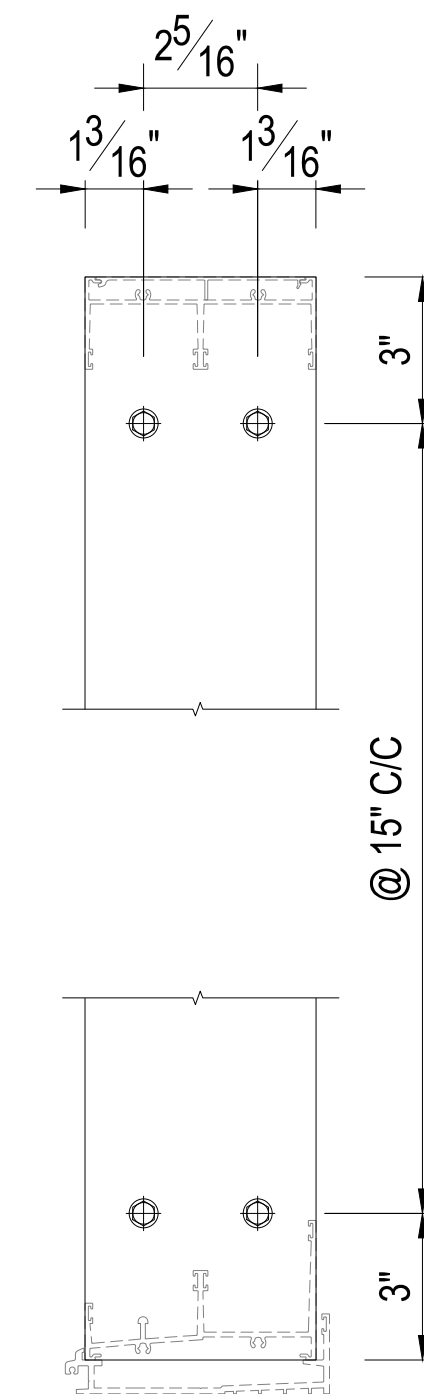
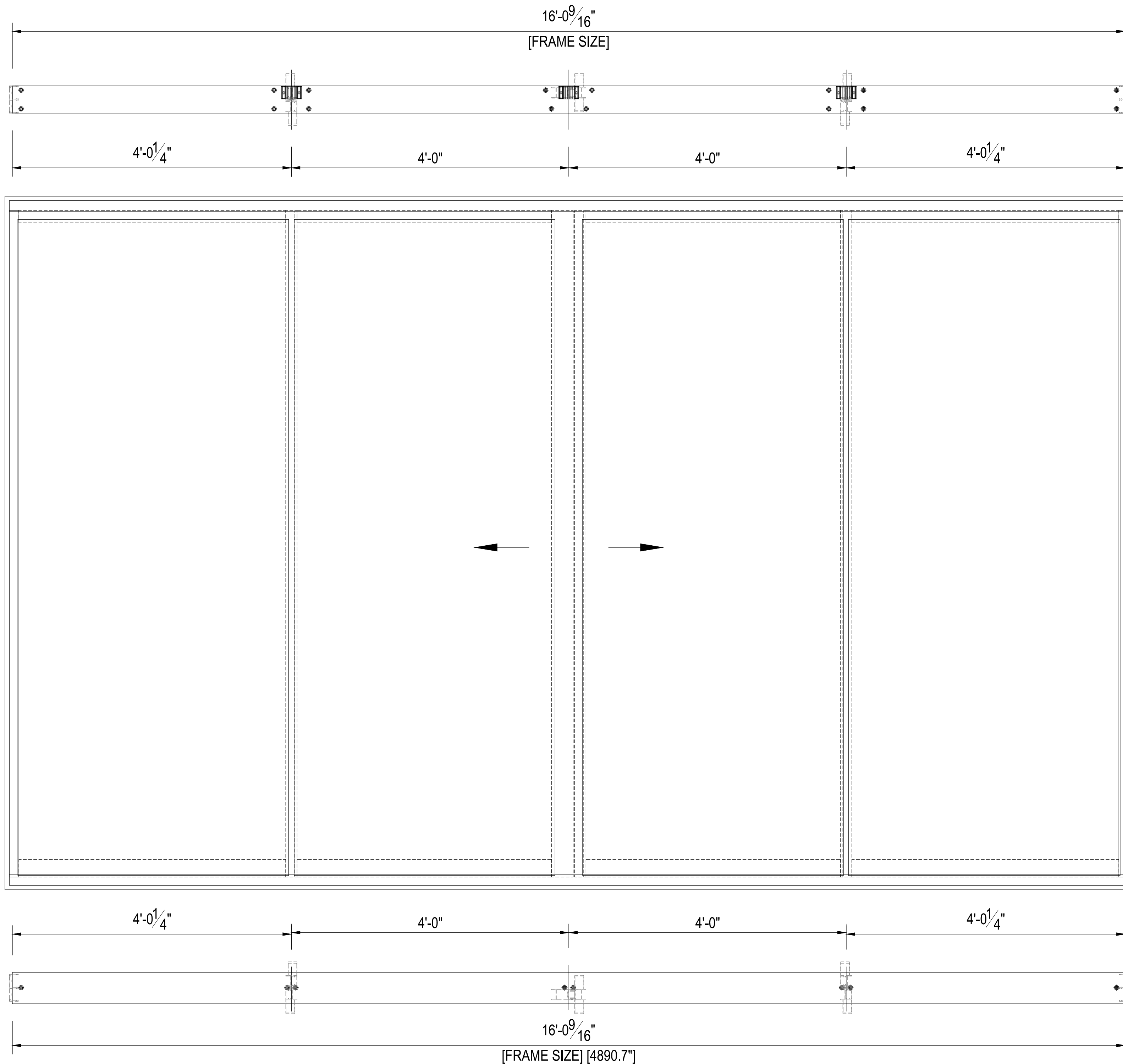
Title:
**PMU-SLIDING DOOR
ANCHOR LAYOUT**

Drawn by :
Checked by :
Approved by :

Scale :
1 : 12
First date of issue :
24.01.2024

Drawing No. :
PMU-PE07
Revision No. :
00

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ANCHOR LAYOUT
JAMB (1 : 4)

ANCHOR LAYOUT
PE07
OXXO SLIDING DOOR

ANCHOR LAYOUT
TOP FRAME (1 : 4)

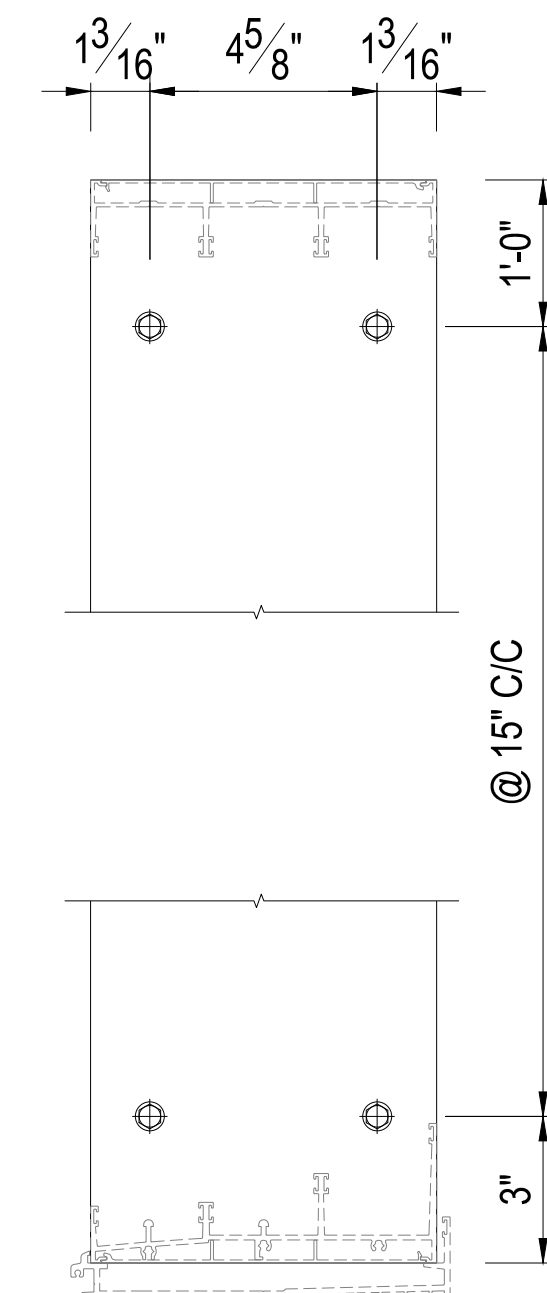
ANCHOR LAYOUT
BOTTOM SILL (1 : 4)

intertek
Total Quality. Assured.

Report #: 240412004SHF-002
Date: 11/11/24
Verified by: *Zac Zhang*

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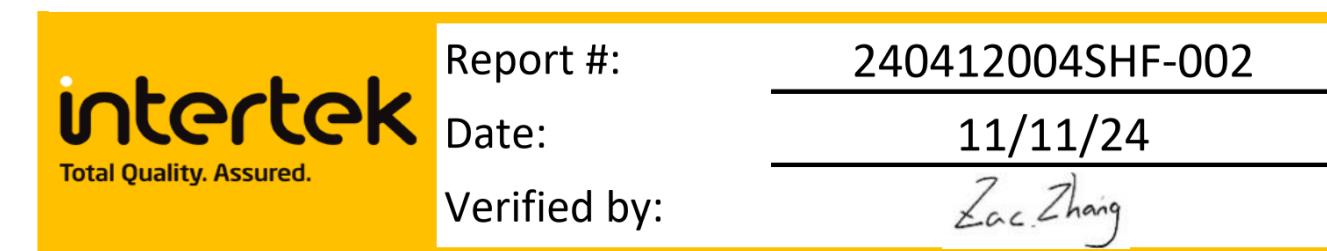
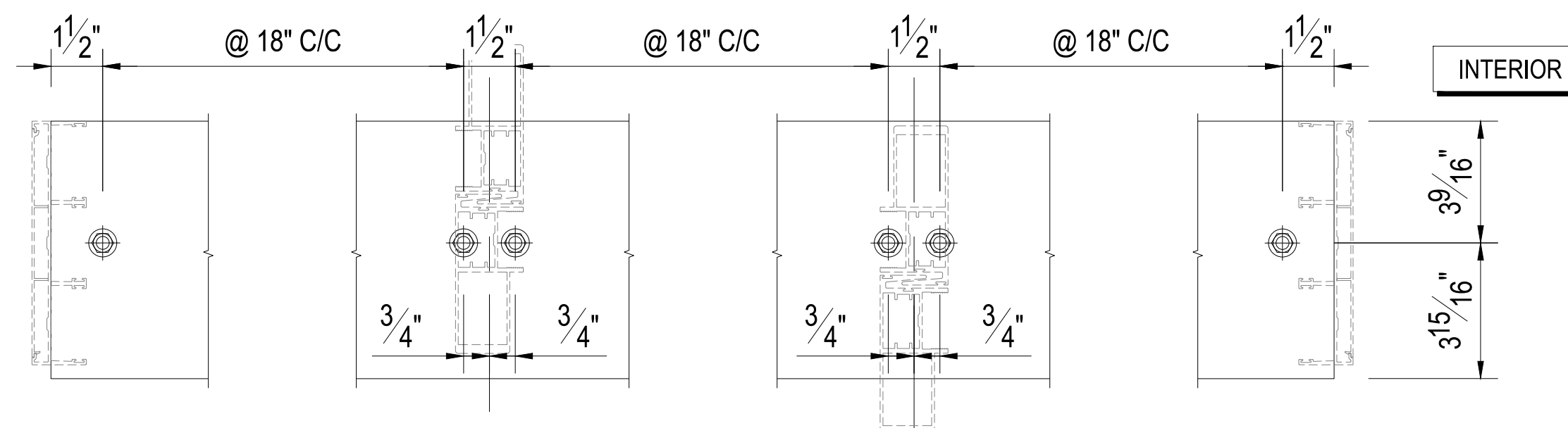
☐ PRELIMINARY
☒ FOR APPROVAL
☐ FOR CONSTRUCTION
☐ AS BUILT



ANCHOR LAYOUT
OXO SLIDING DOOR



- ANCHOR LAYOUT
- BOTTOM SILL (1 : 4)



Glazier :	 GLAS 1212 Abbot Kinney Blvd Venice, CA 90291
Builder :	 ORTEGA CONSTRUCTION COMPANY
Architect :	 revuelta architecture international
Facade Consultant :	

00	20.02.2024	KONG	FOR APPROVAL
Rev	Date	By	Description

2200 Brickell Avenue

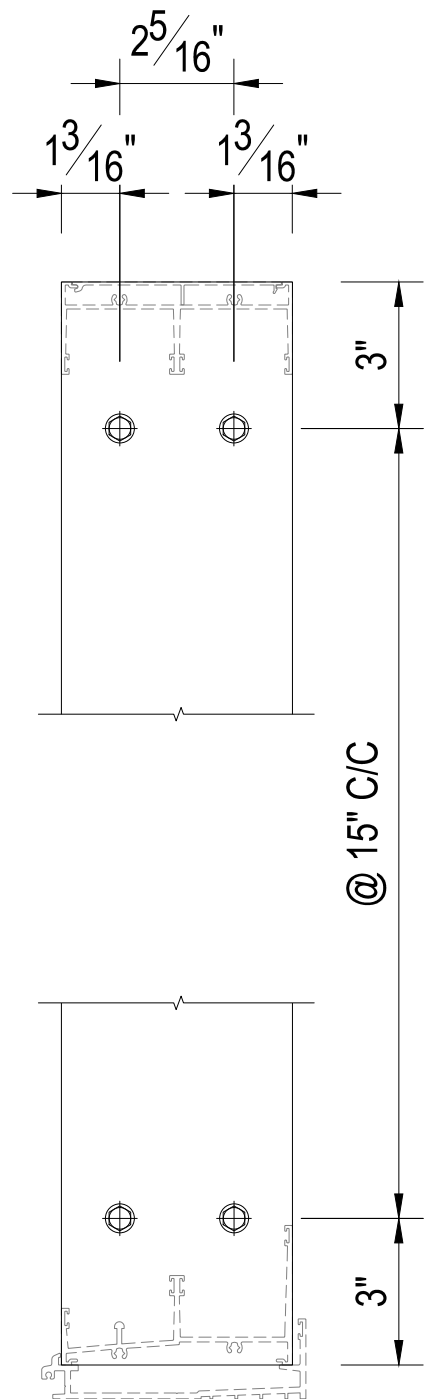
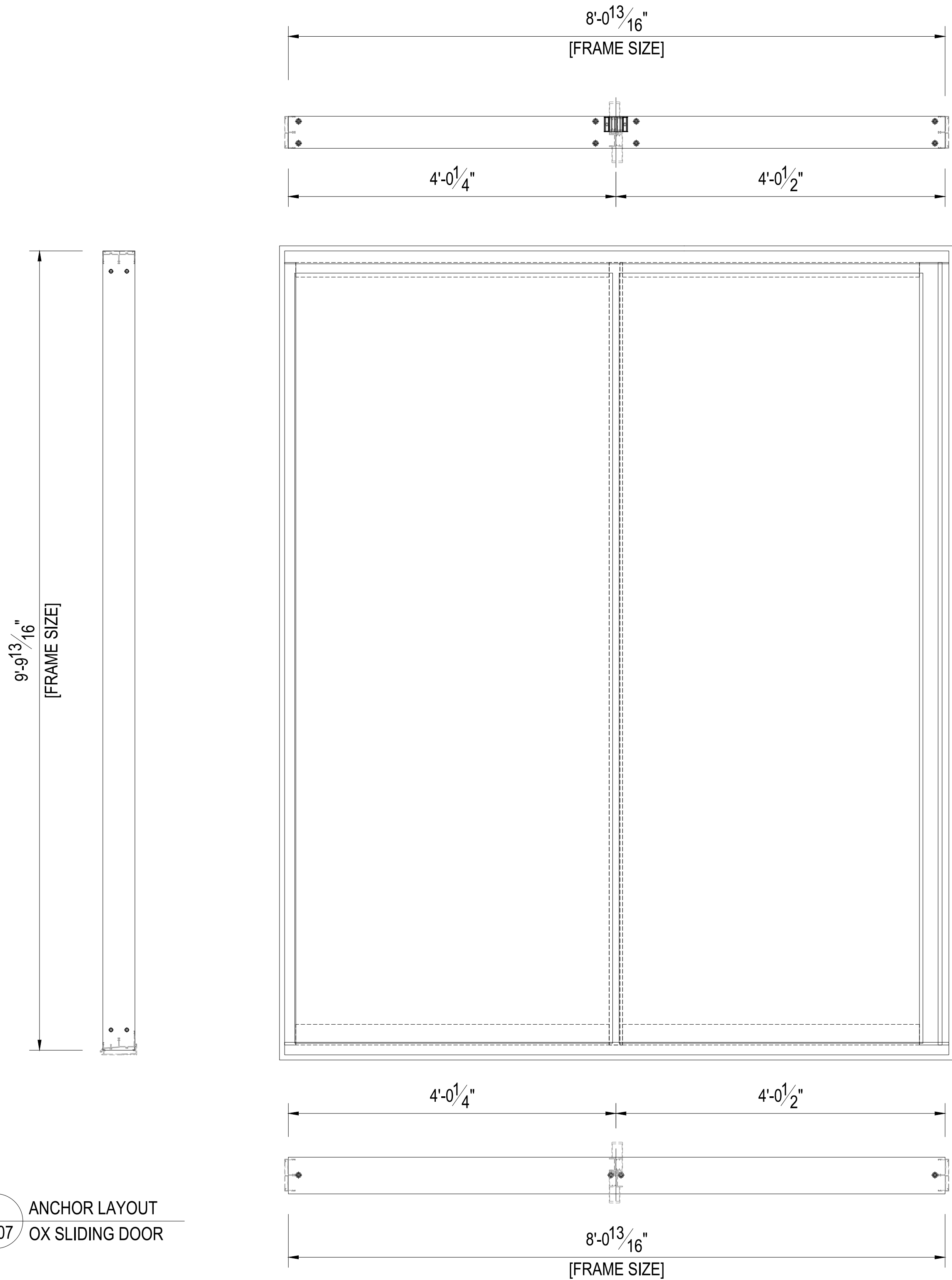
Facade Manufacturer:



CENTURY

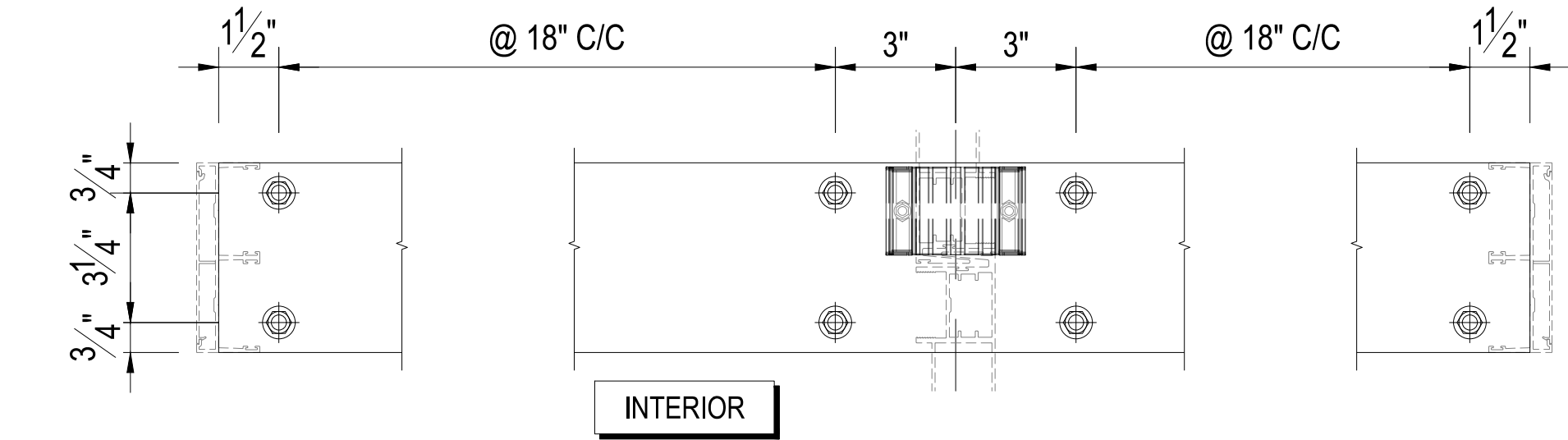
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Drawing No. :	PMU-PE08	Revision No.	00
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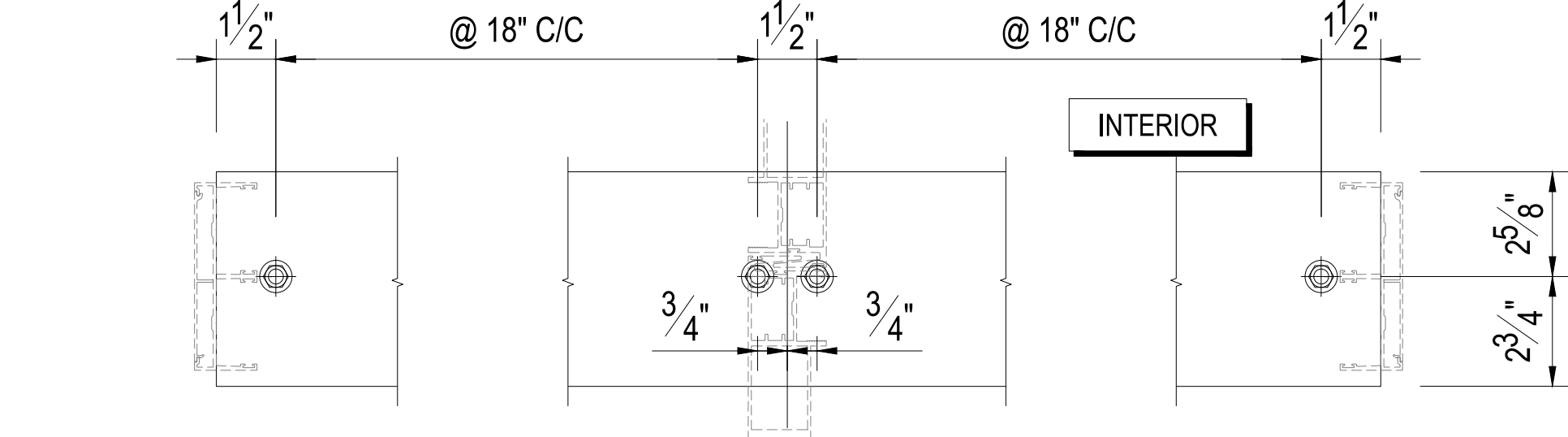


ANCHOR LAYOUT
JAMB (1 : 4)

ANCHOR LAYOUT
OX SLIDING DOOR
PE07



ANCHOR LAYOUT
TOP FRAME (1 : 4)



ANCHOR LAYOUT
BOTTOM SILL (1 : 4)

intertek

Total Quality. Assured.

Report #:

240412004SHF-002

Date:

11/11/24

Verified by:

Zac Zhang

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NOTES:

PRELIMINARY

FOR APPROVAL

FOR CONSTRUCTION

AS BUILT

Glazier :
GLAS
1212 Abbot Kinney Blvd
Venice, CA 90291

Builder:
ORTEGA
CONSTRUCTION COMPANY

Architect :
revuelta
architecture
international

Facade Consultant :

Rev	Date	By	Description
00	03.07.2024	KONG	FOR APPROVAL

Project Name :
2200 Brickell Avenue

Key plan :

Project No. :
-

Reference No. :
-

Facade Manufacturer:
CENTURY

Title:
PMU-SLIDING DOOR
ANCHOR LAYOUT

Drawn by :
-

Checked by :
-

Approved by :
-

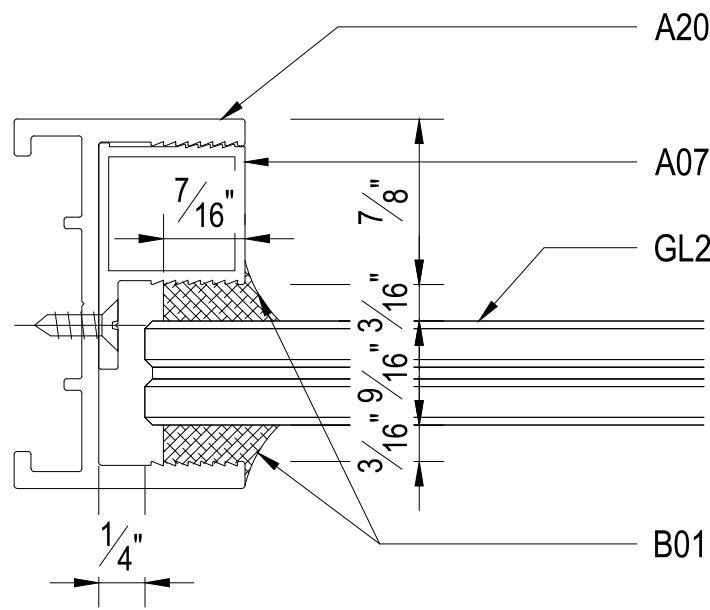
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First date of issue :
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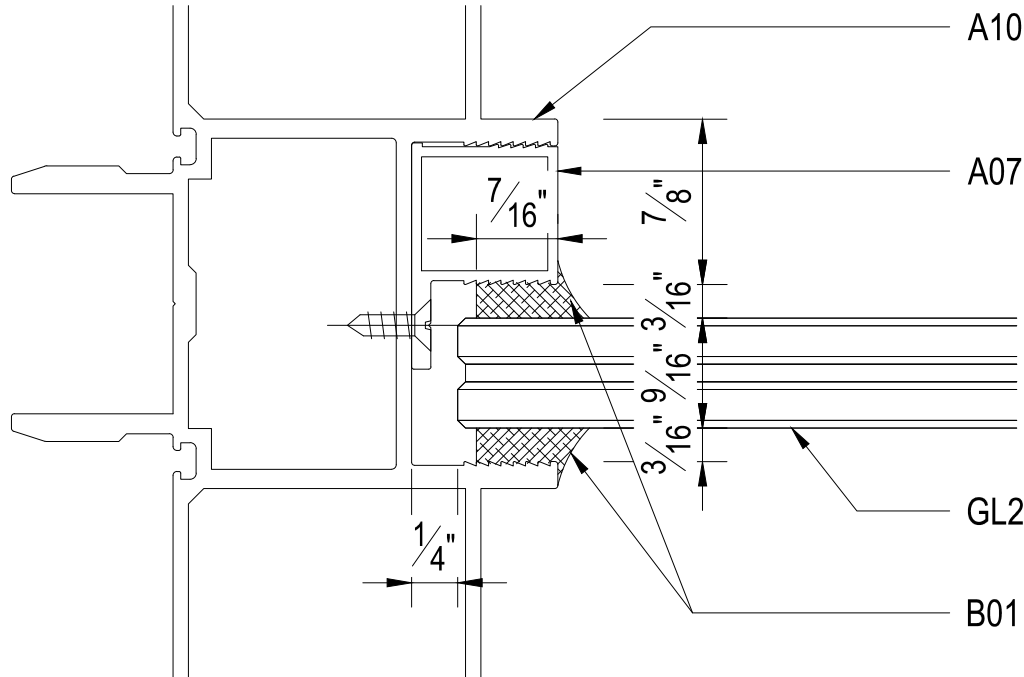
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PMU-PE09

Revision No. :
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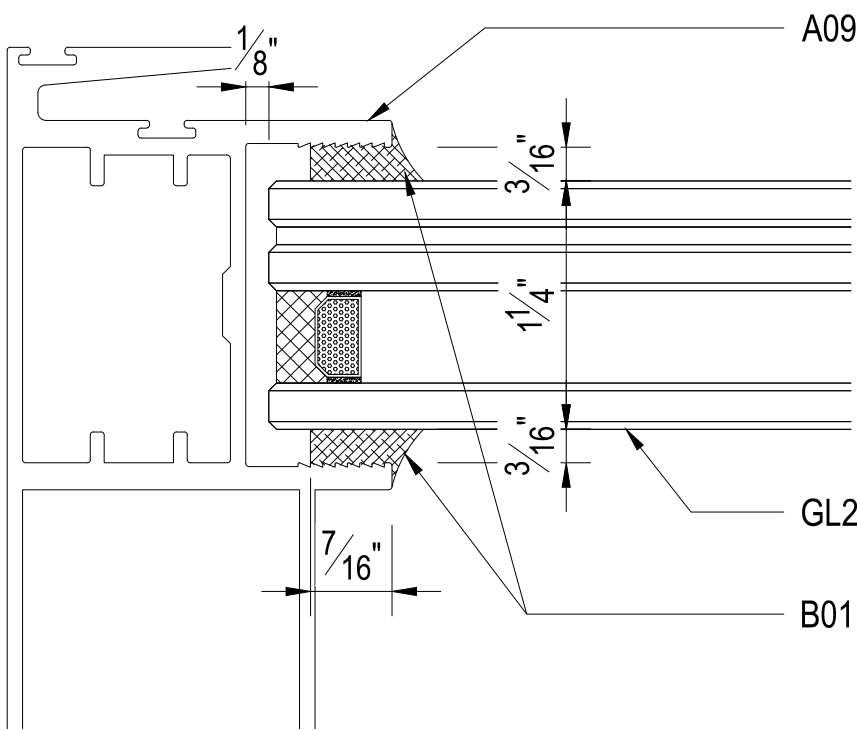
DIVULGATION AND REPRODUCTION FORBIDDEN BY LAW



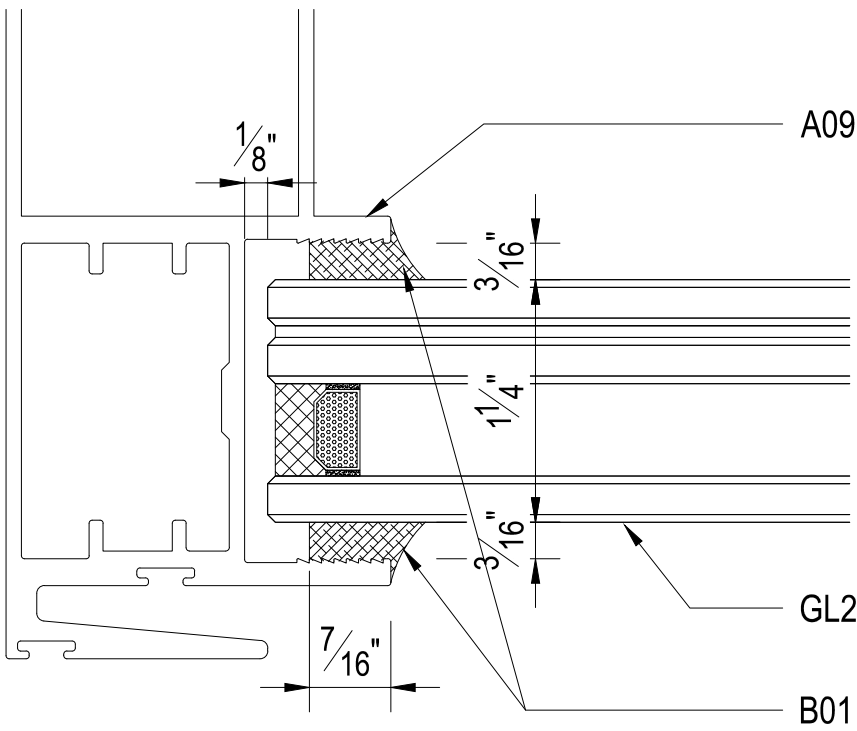
1
HD00
DETAIL
1/4"+1/16" PVB+1/4"



2
HD00
DETAIL
1/4"+3/32" SGP+1/4"



3
HD00
DETAIL
1/4"+1/2" AIR+1/4"+3/32" SGP+1/4"



4
HD00
DETAIL
1/4"+1/2" AIR+1/4"+1/16" PVB+1/4"

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NOTES:

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☐ FOR CONSTRUCTION
☐ AS BUILT

Glazier :
GLAS
1212 Abbot Kinney Blvd
Venice, CA 90291

Builder:
ORTEGA
CONSTRUCTION COMPANY

Architect :
revuelta
architecture
international

Facade Consultant :

Rev	Date	By	Description
01	03.07.2024	KONG	FOR APPROVAL
02	05.01.2024	KONG	FOR APPROVAL

Project Name :
2200 Brickell Avenue

Key plan :

Project No. :
-

Reference No. :
-

Facade Manufacturer:

Title:
**PMU-SLIDING DOOR
GLASS SELECTION**

Drawn by :
-

Checked by :
-

Approved by :
-

Scale :
1 : 1

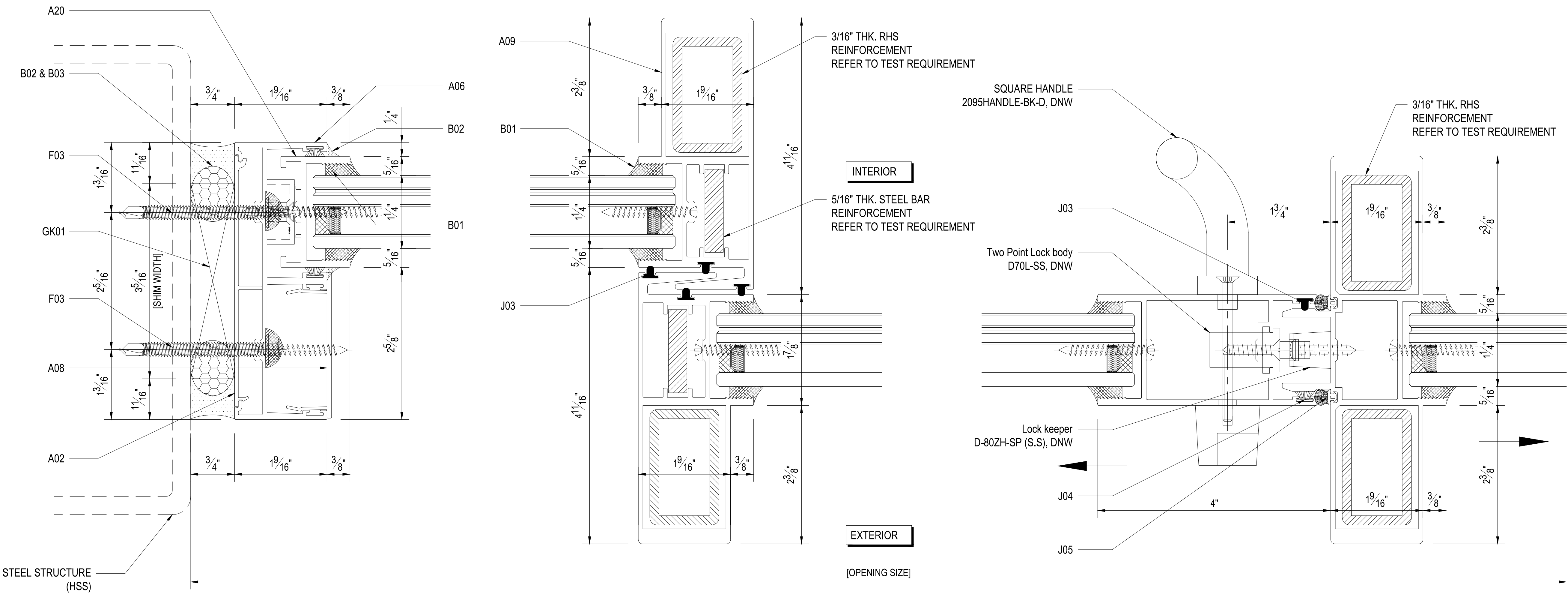
First date of issue :
05.01.2024

Drawing No. :
PMU-HD00

Revision No.
01

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☐ AS BUILT



1 DETAIL
HD01 'OXXO'/OX' SLIDING DOOR

2 DETAIL
HD01 'OXXO'/OX' SLIDING DOOR

3 DETAIL
HD01 'OXXO'/OX' SLIDING DOOR



Rev	Date	By	Description
02	03.07.2024	KONG	FOR APPROVAL
01	08.01.2024	KONG	FOR APPROVAL
00	05.01.2024	KONG	FOR APPROVAL

Rev	Date	By	Description
02	03.07.2024	KONG	FOR APPROVAL
01	08.01.2024	KONG	FOR APPROVAL
00	05.01.2024	KONG	FOR APPROVAL

Project Name : 2200 Brickell Avenue



Project No. : - Reference No. : -



Title: PMU-SLIDING DOOR
TYPICAL HORIZONTAL DETAIL

Drawn by : -	Checked by : -	Approved by : -
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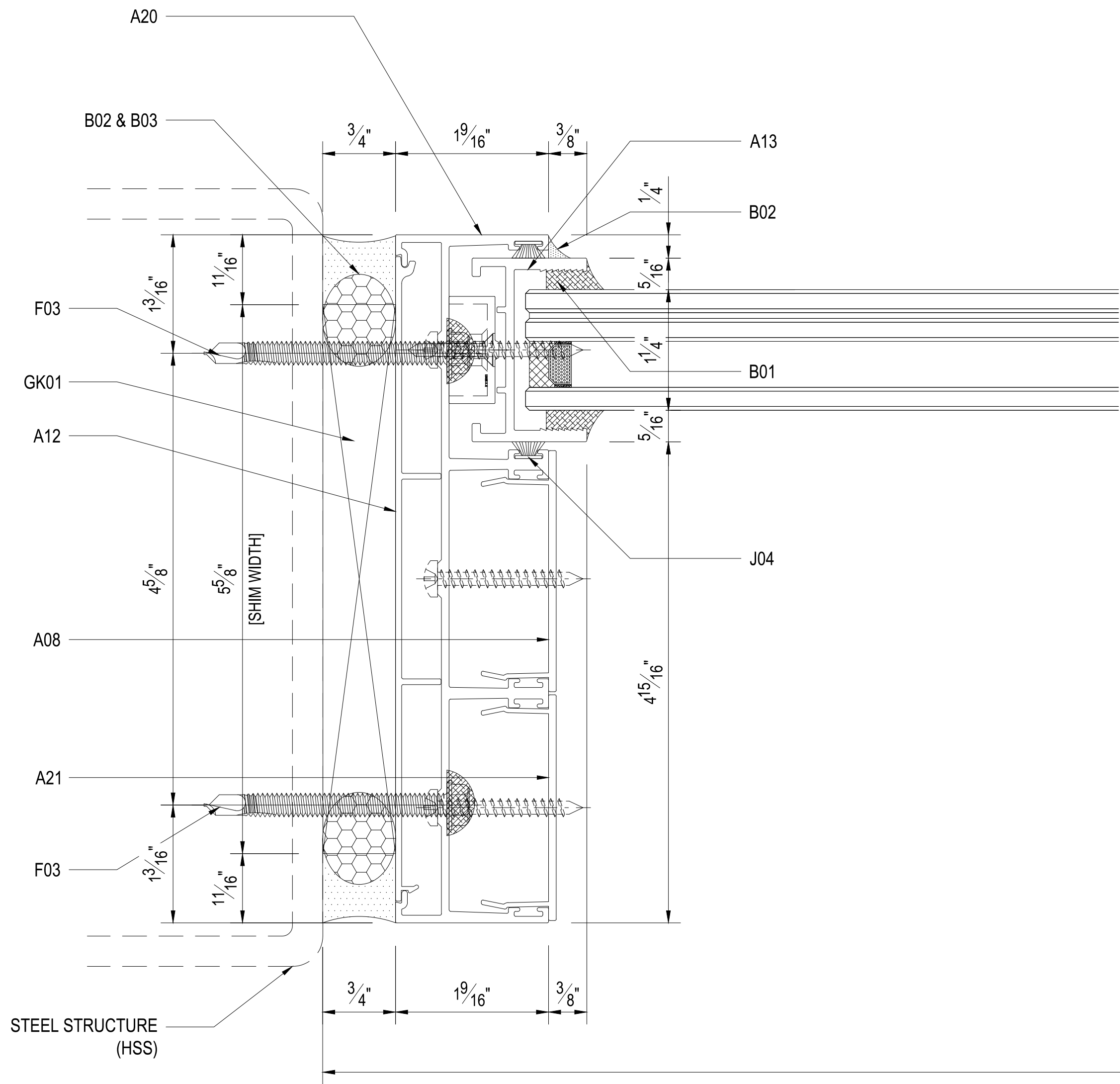
Scale : 1 : 1	First date of issue : 05.01.2024
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Drawing No. : PMU-HD01	Revision No. : 02
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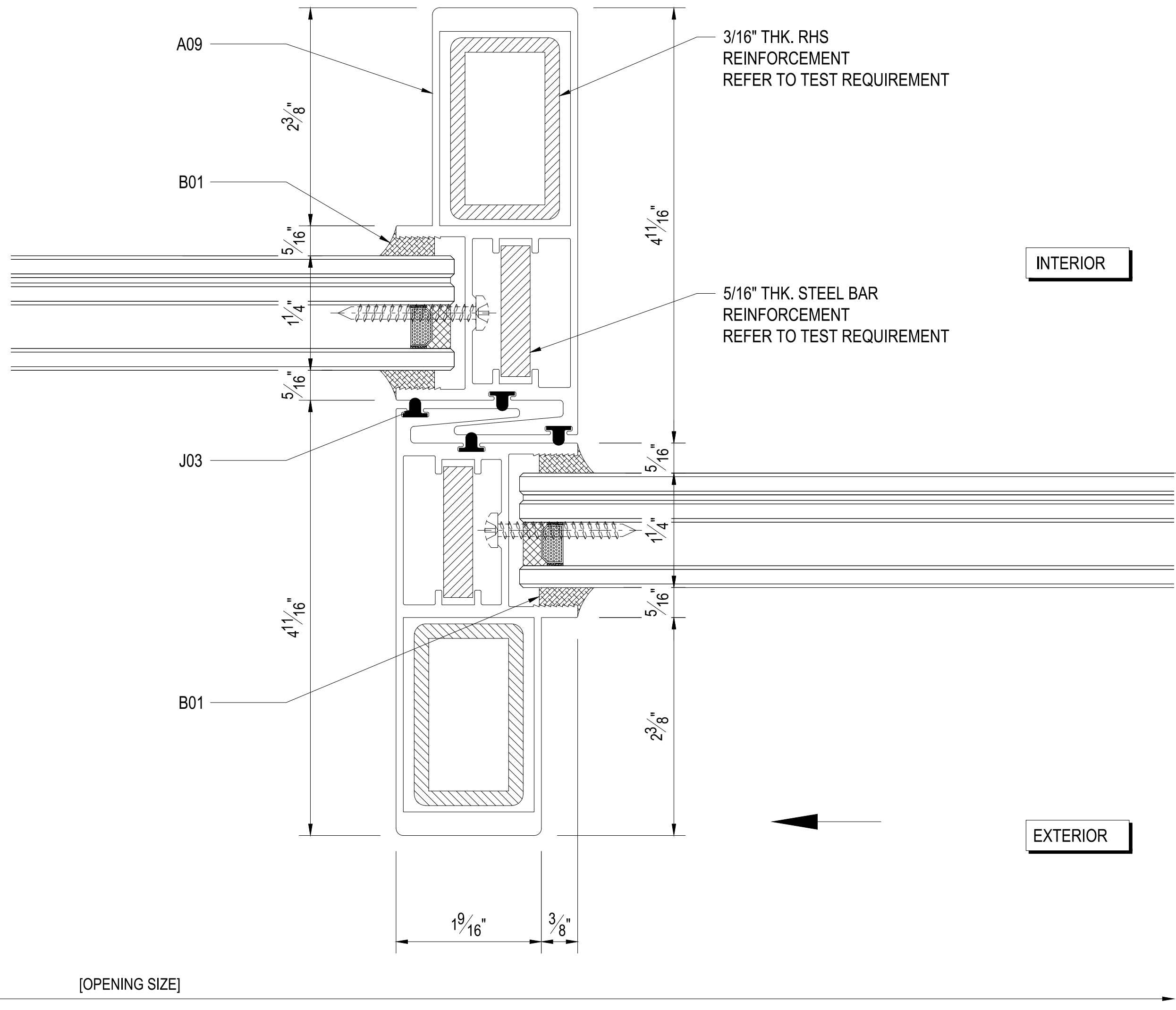
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NOTES:

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☐ FOR CONSTRUCTION
☐ AS BUILT



1 DETAIL
HD02 'OXX' SLIDING DOOR

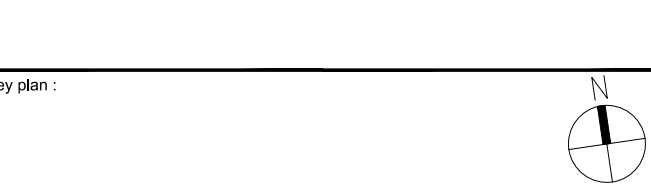


2 DETAIL
HD02 'OXX' SLIDING DOOR



Rev	Date	By	Description
02	03.07.2024	KONG	FOR APPROVAL
01	08.01.2024	KONG	FOR APPROVAL
00	05.01.2024	KONG	FOR APPROVAL

Project Name : 2200 Brickell Avenue



Project No. : - Reference No. : -



Title: PMU-SLIDING DOOR
TYPICAL HORIZONTAL DETAIL

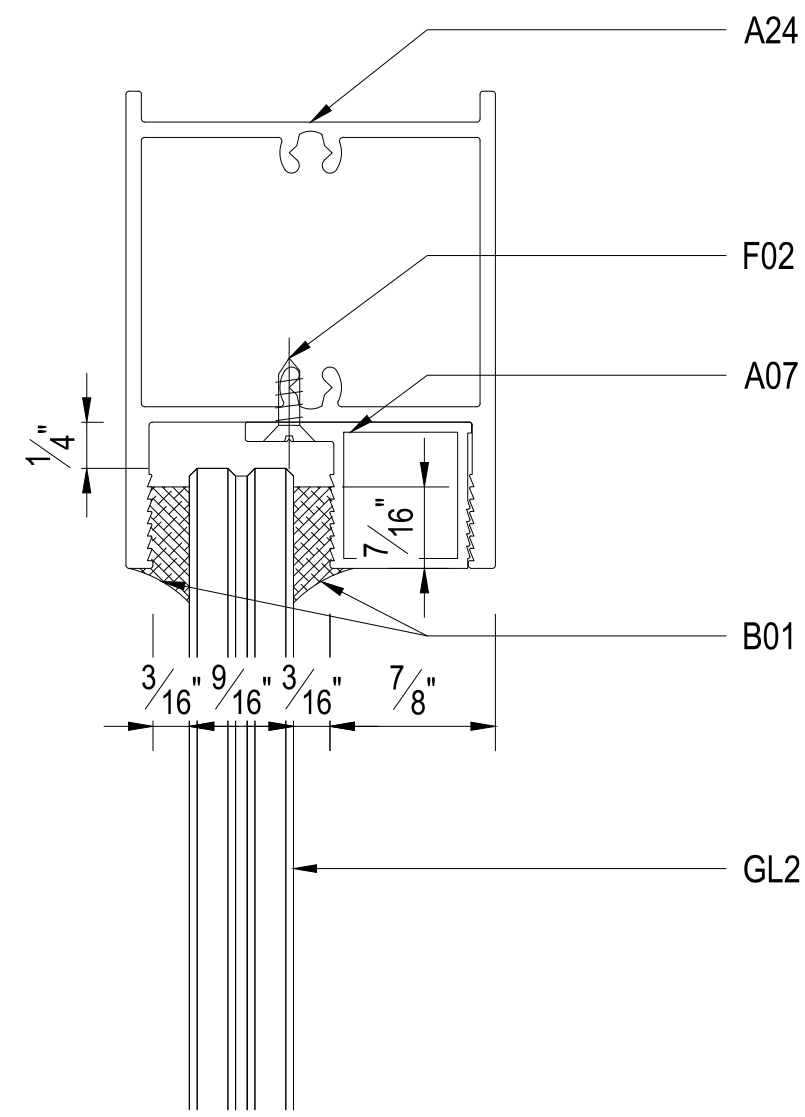
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Scale : 1 : 1 First date of issue : 05.01.2024

Drawing No. : PMU-HD02 Revision No. : 02

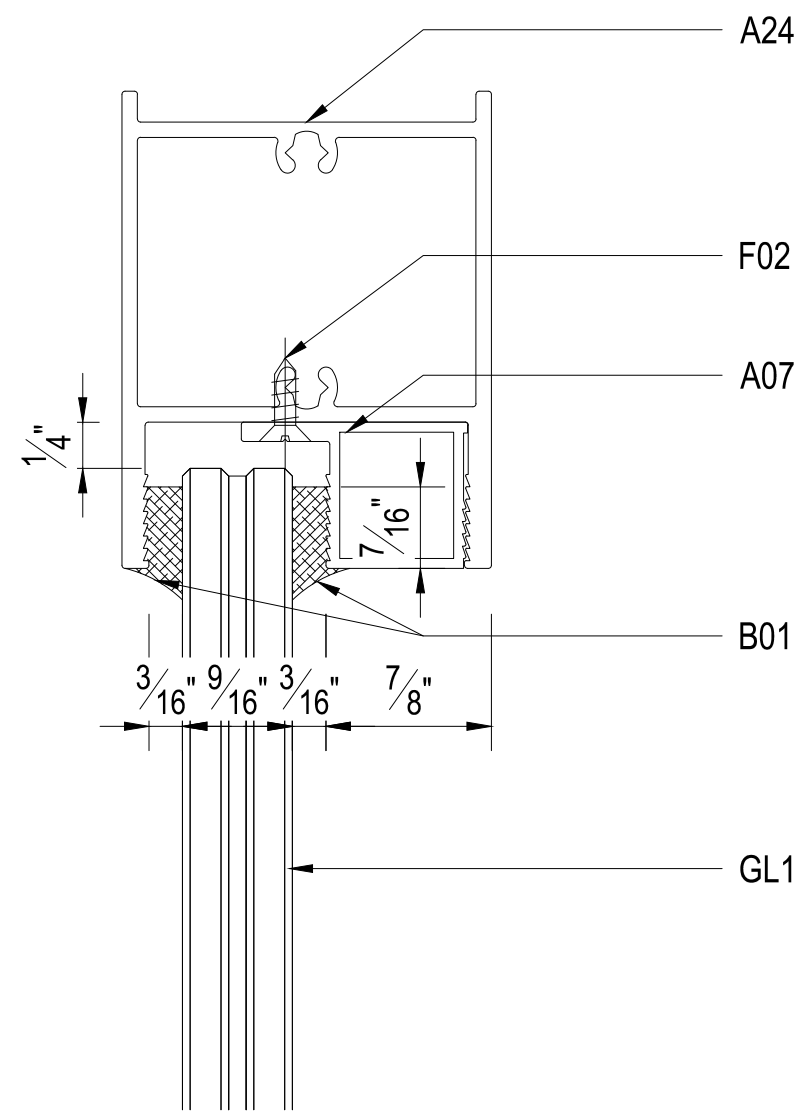
DIVULGATION AND REPRODUCTION FORBIDDEN BY LAW



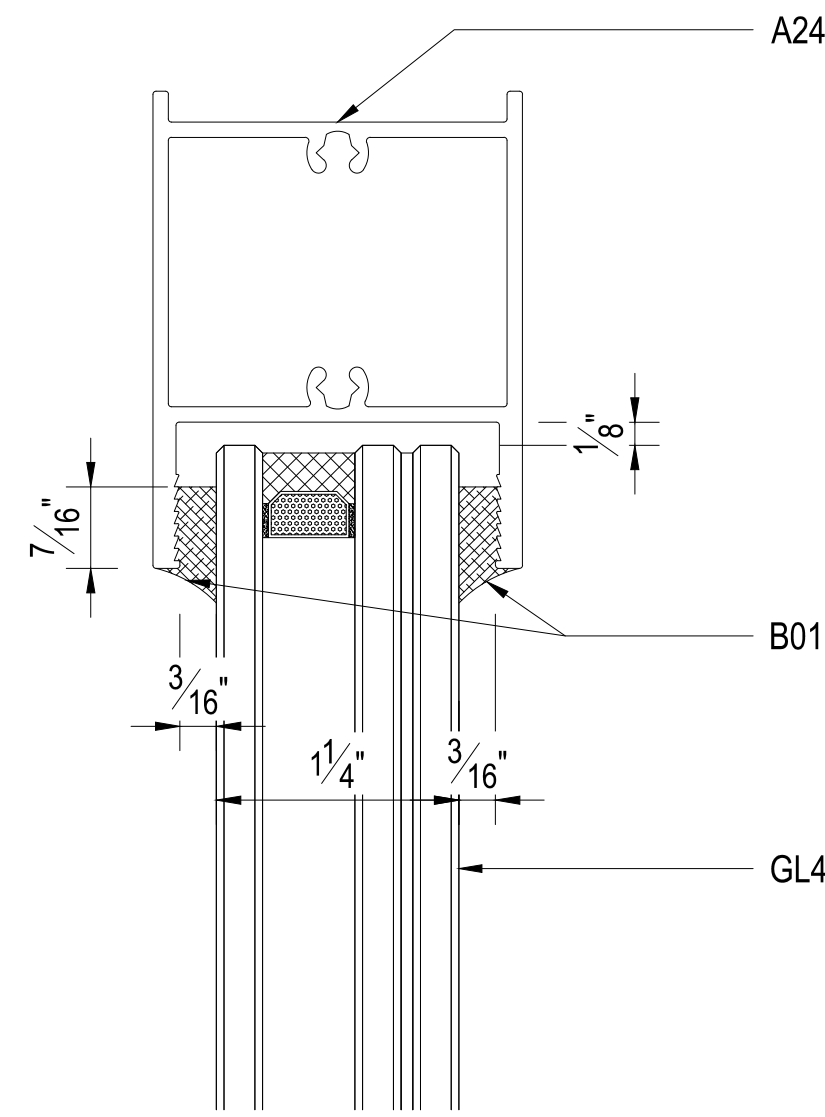
DIVULGATION AND REPRODUCTION FORBIDDEN BY LAW



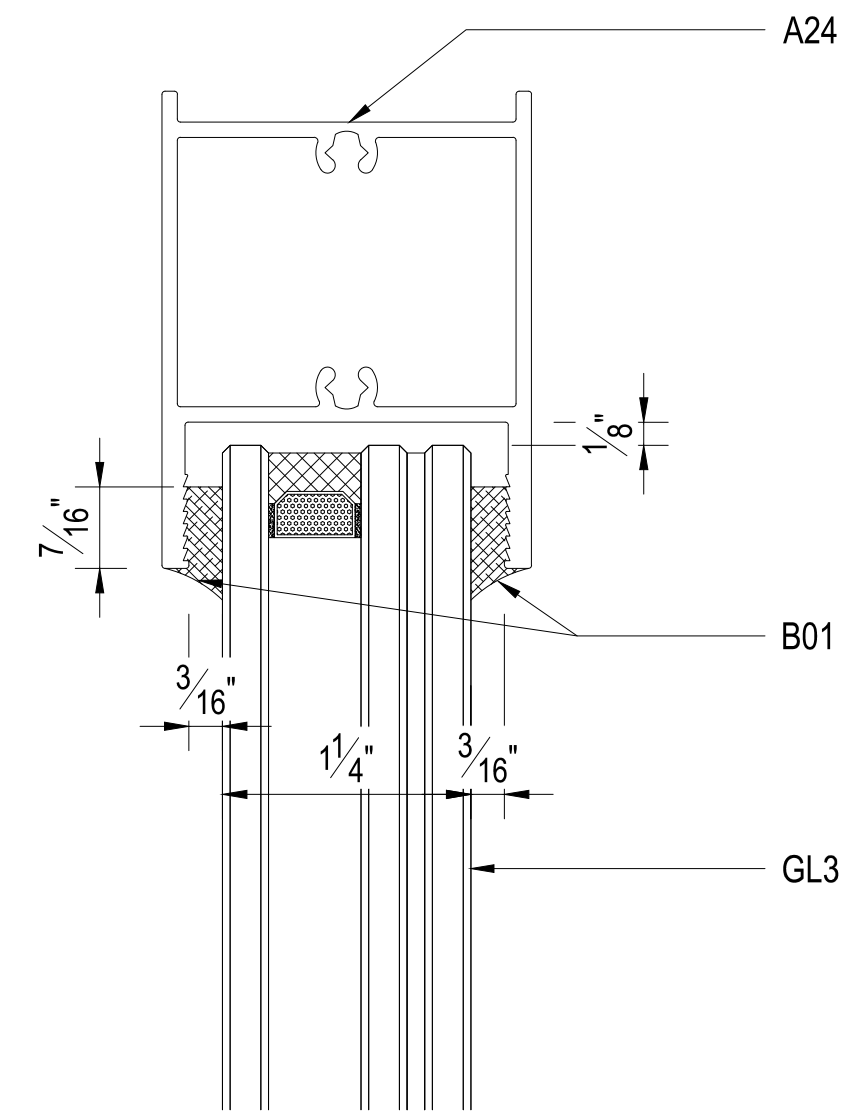
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VD00 DETAIL
1/4"+1/16" PVB+1/4"



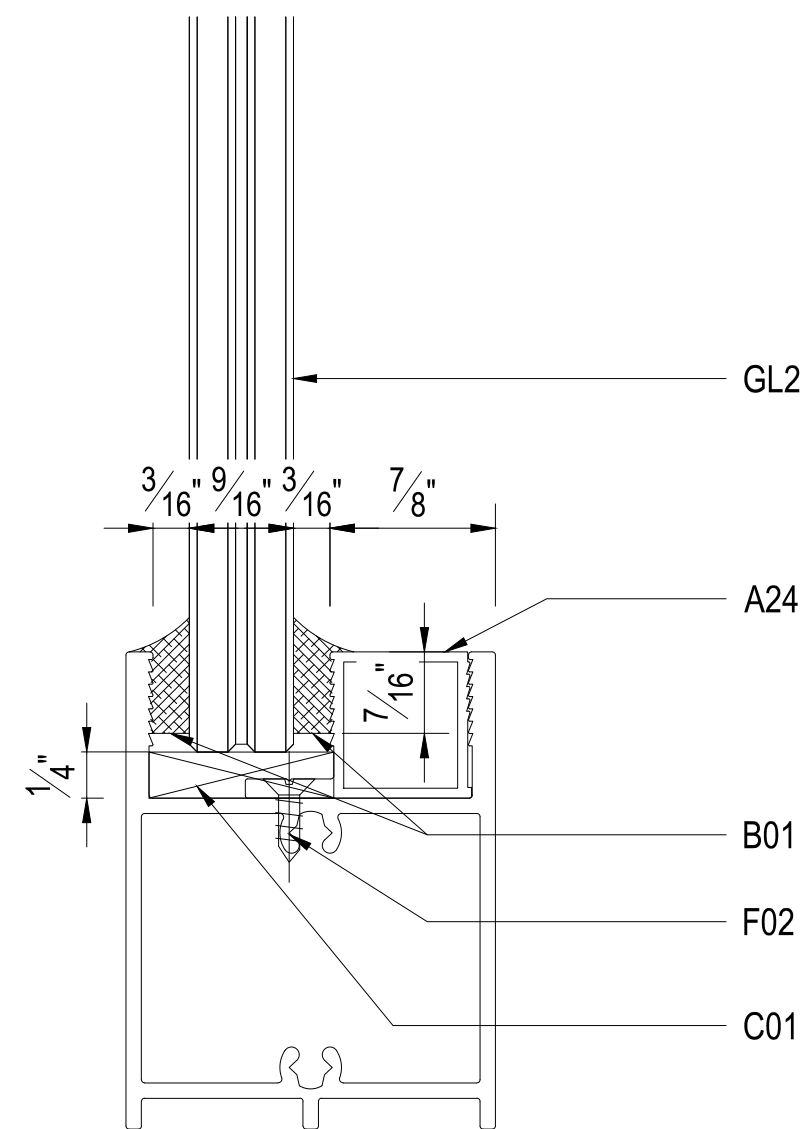
2
VD00 DETAIL
1/4"+3/32" SGP+1/4"



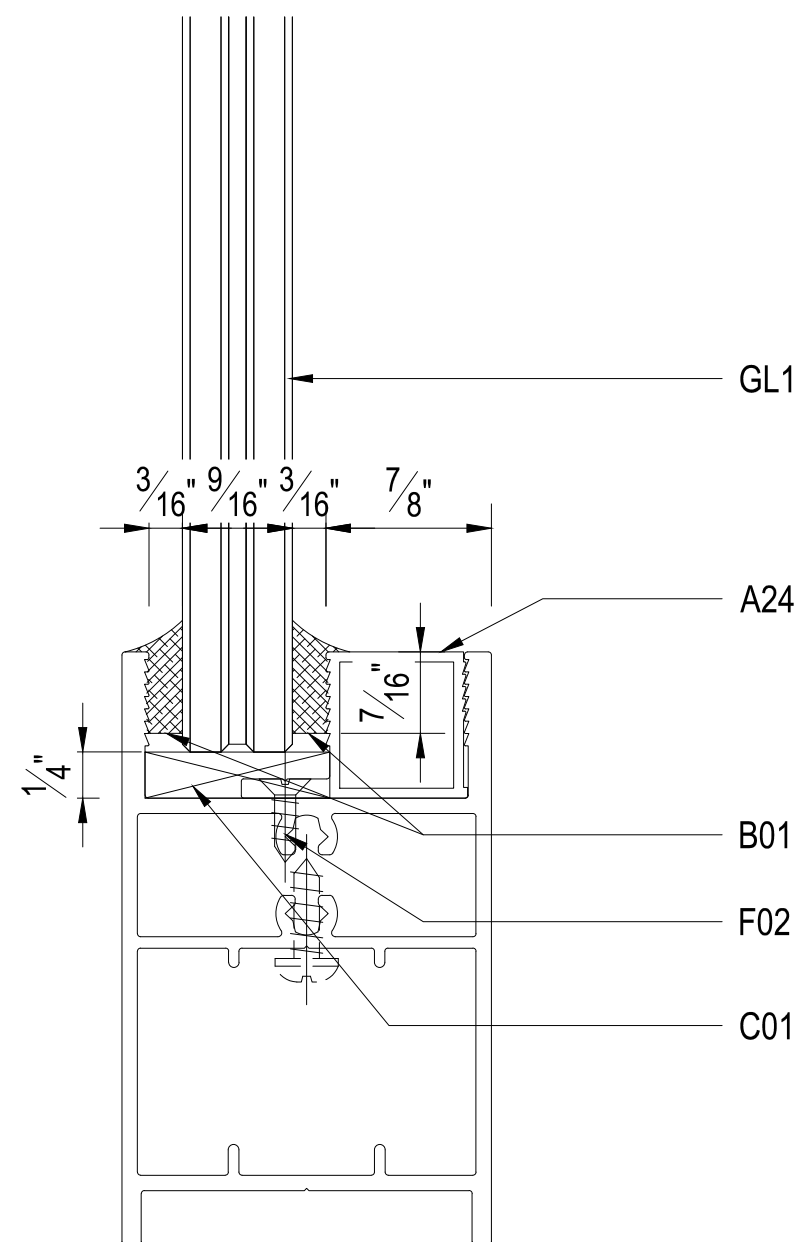
3
VD00 DETAIL
1/4"+1/2" AIR+1/4"+1/16" PVB+1/4"



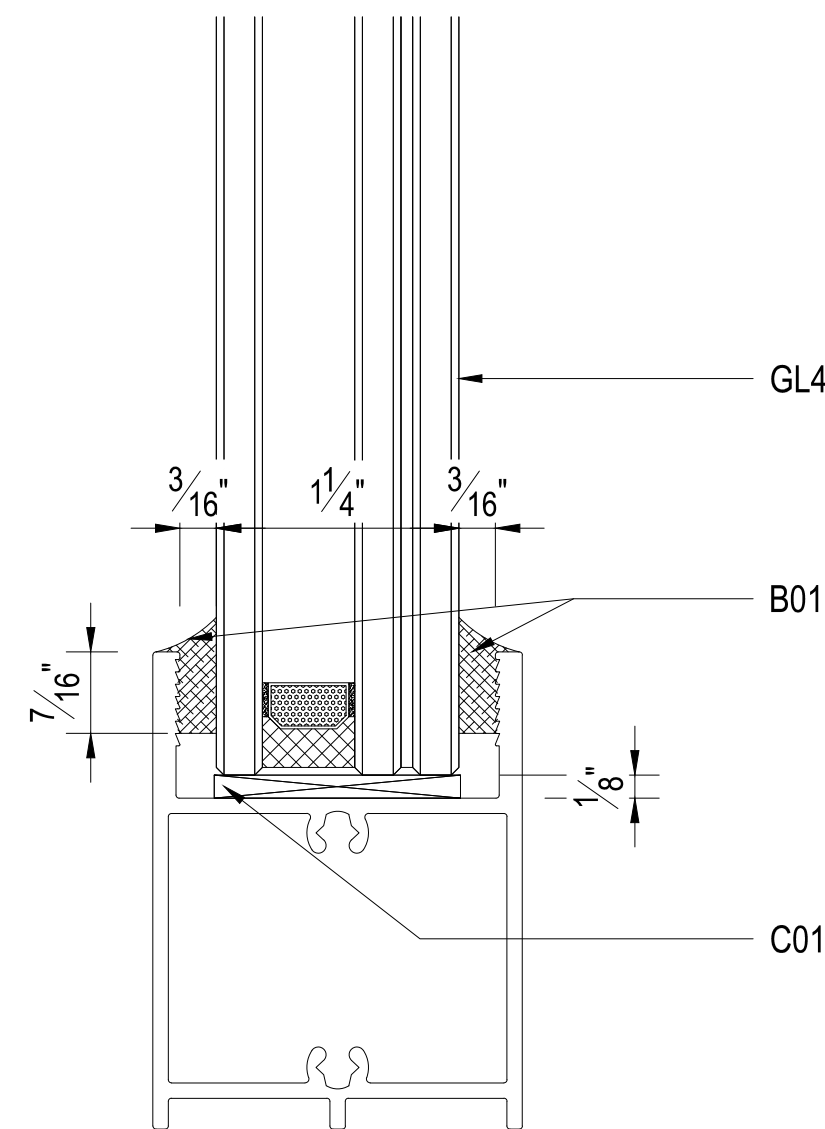
4
VD00 DETAIL
1/4"+1/2" AIR+1/4"+3/32" SGP+1/4"



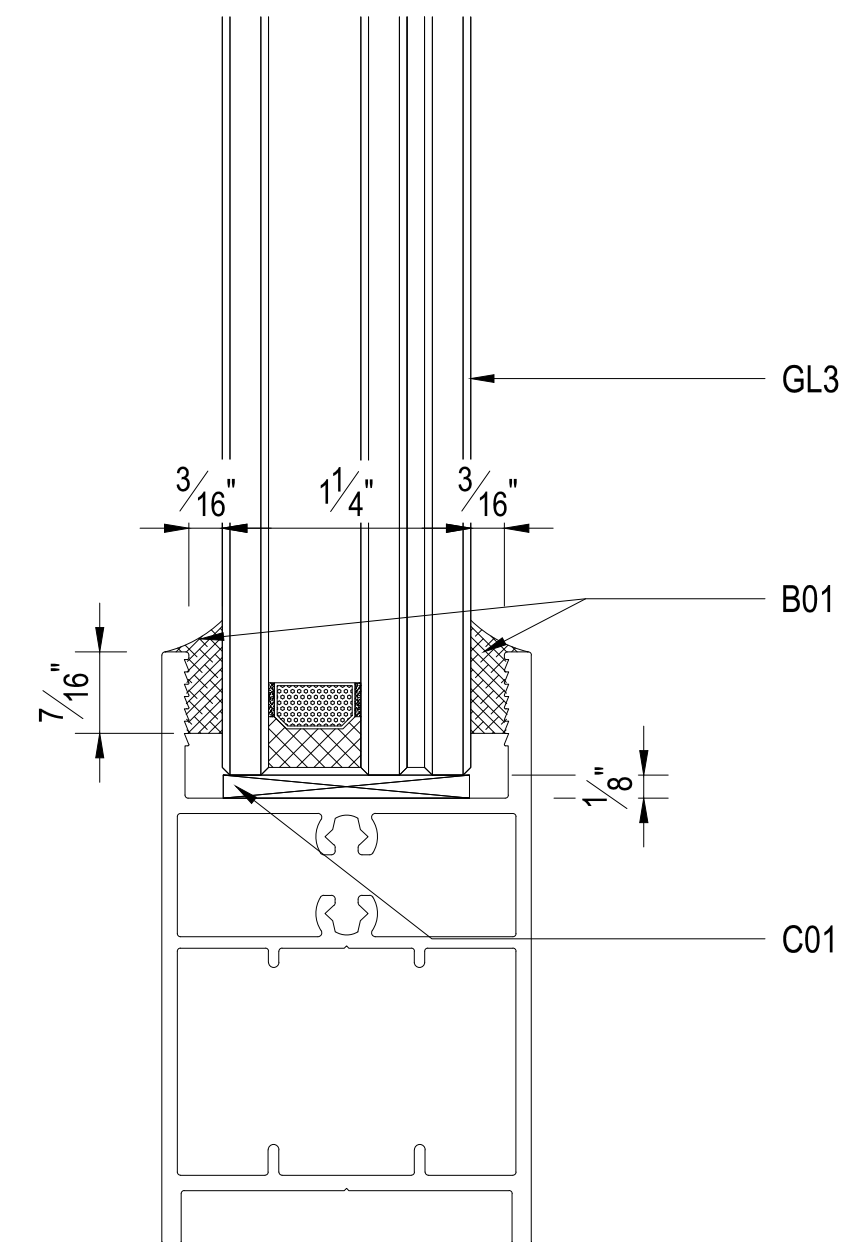
5
VD00 DETAIL
1/4"+1/16" PVB+1/4"



6
VD00 DETAIL
1/4"+3/32" SGP+1/4"



7
VD00 DETAIL
1/4"+1/2" AIR+1/4"+1/16" PVB+1/4"



8
VD00 DETAIL
1/4"+1/2" AIR+1/4"+3/32" SGP+1/4"

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NOTES:

- ☐ PRELIMINARY
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- ☐ FOR CONSTRUCTION
- ☐ AS BUILT



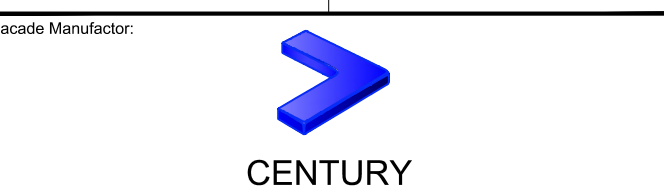
Rev	Date	By	Description
01	03.07.2024	KONG	FOR APPROVAL
02	05.01.2024	KONG	FOR APPROVAL

Project Name :

2200 Brickell Avenue



Project No. : - Reference No. : -



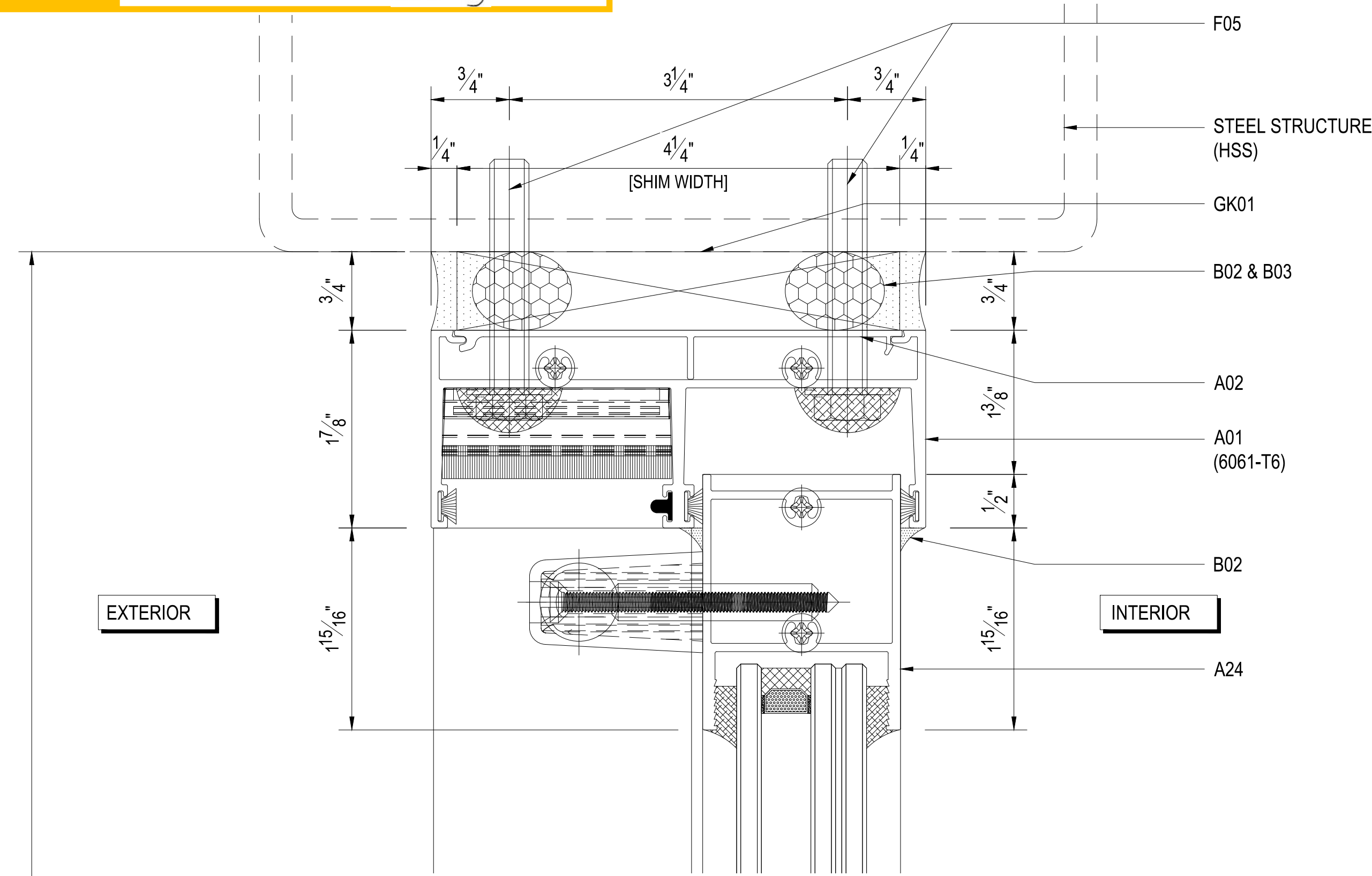
Title:
PMU-SLIDING DOOR
GLASS SELECTION

Drawn by : - Checked by : - Approved by : -

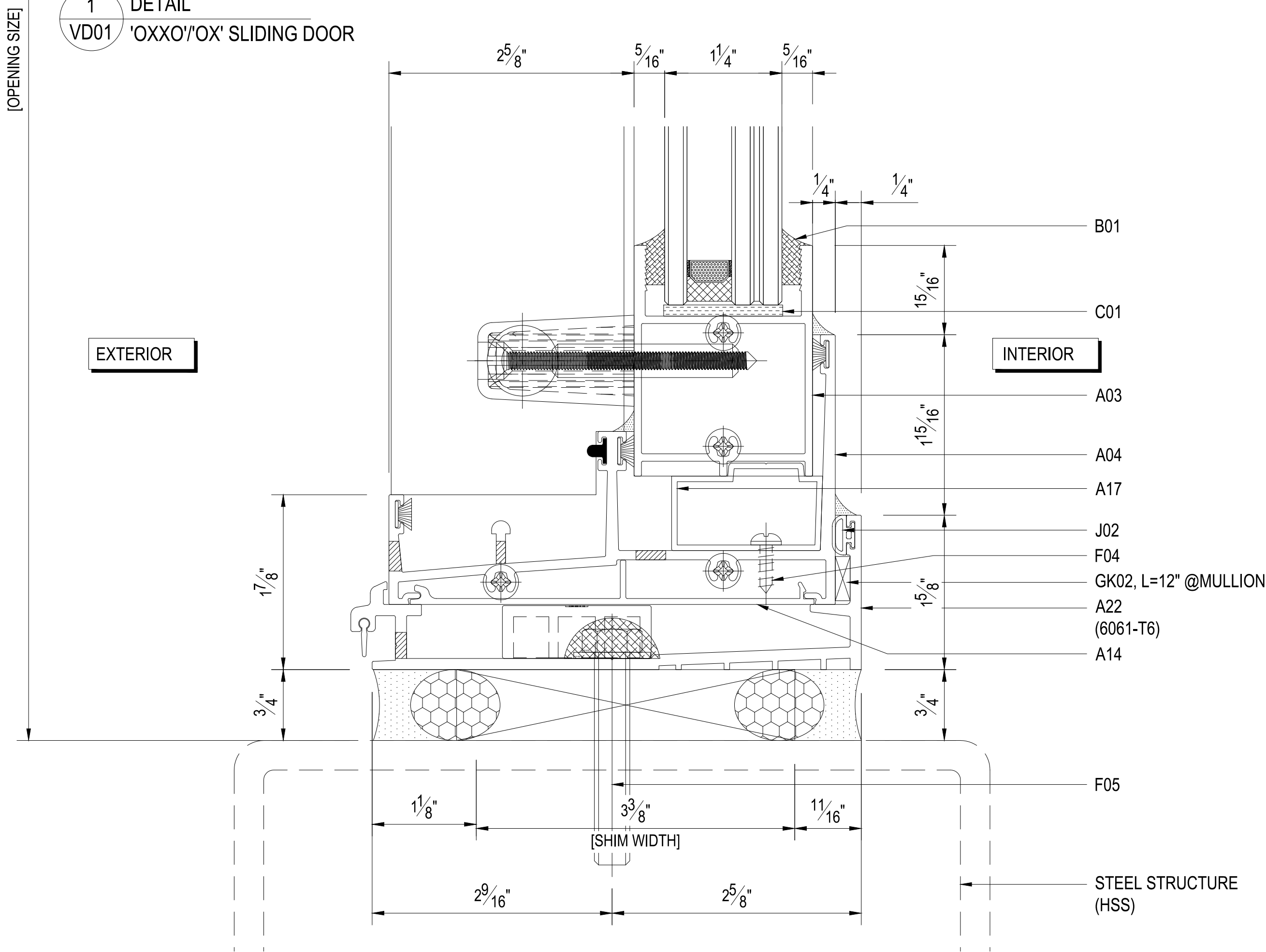
Scale : 1 : 1 First date of issue : 05.01.2024

Drawing No. : PMU-VD00 Revision No. : 01

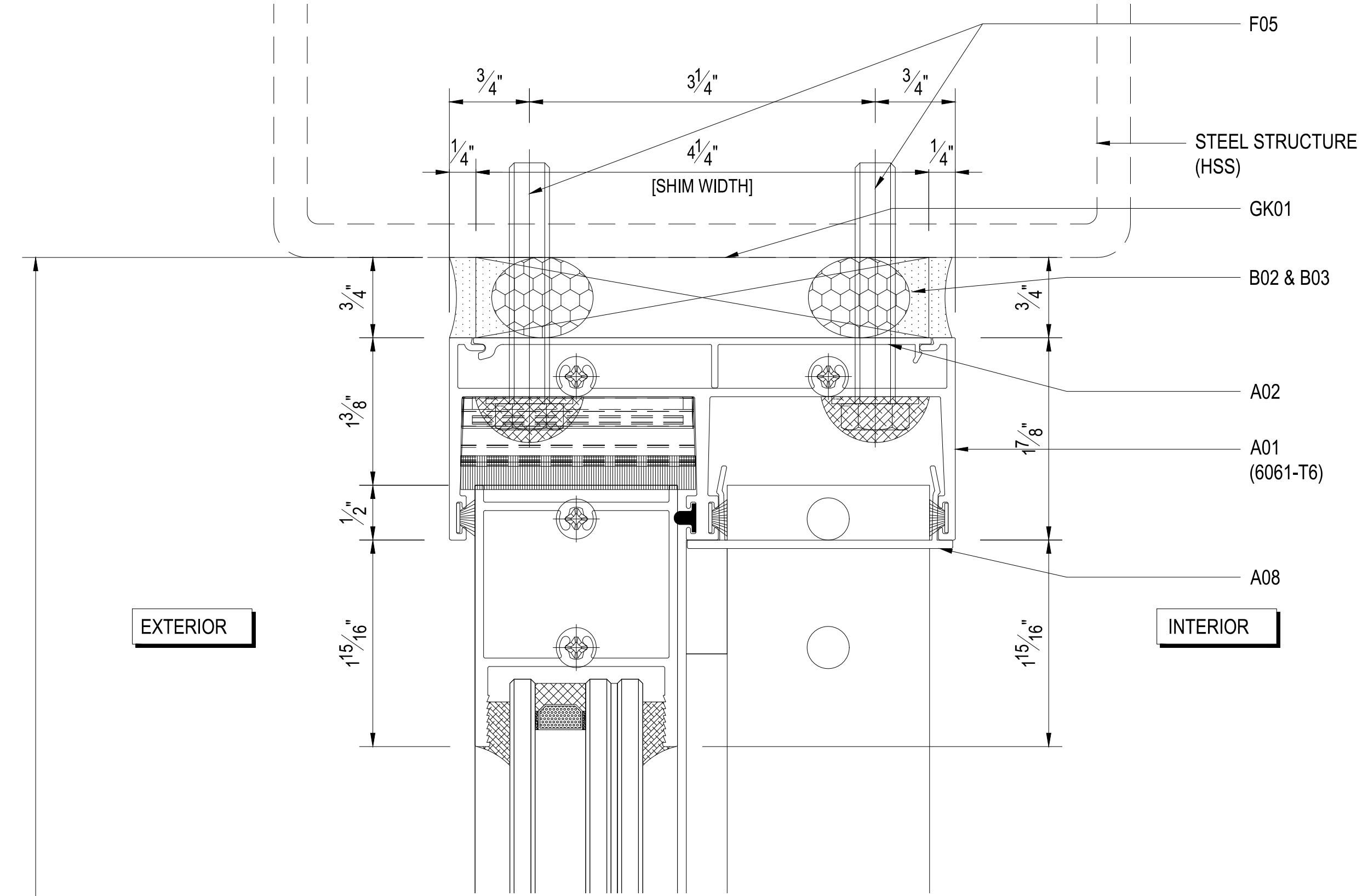
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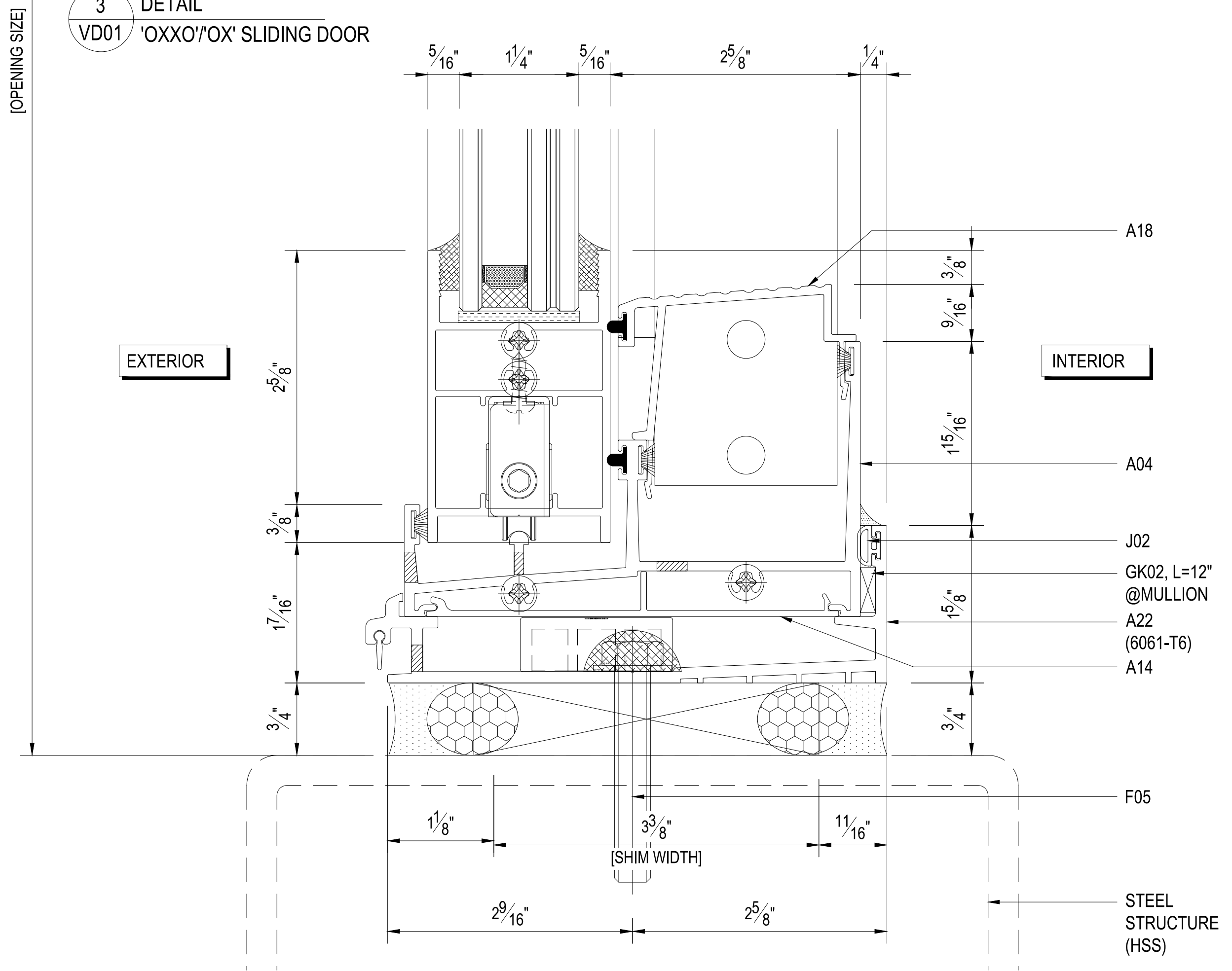
1 DETAIL
VD01 'OXXO'/'OX' SLIDING DOOR



2 DETAIL
VD01 'OXXO'/'OX' SLIDING DOOR



3 DETAIL
VD01 'OXXO'/'OX' SLIDING DOOR



4 DETAIL
VD01 'OXXO'/'OX' SLIDING DOOR

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NOTES:

- ☐ PRELIMINARY
- ☒ FOR APPROVAL
- ☐ FOR CONSTRUCTION
- ☐ AS BUILT

Glazier : **GLAS**
1212 Abbot Kinney Blvd
Venice, CA 90291

Builder: **ORTEGA**
CONSTRUCTION COMPANY

Architect: **revuelta**
architecture
international

Facade Consultant :

Rev	Date	By	Description
02	03.07.2024	KONG	FOR APPROVAL
01	08.01.2024	KONG	FOR APPROVAL
00	05.01.2024	KONG	FOR APPROVAL

Project Name : **2200 Brickell Avenue**

Key plan :

Project No. : - Reference No. : -

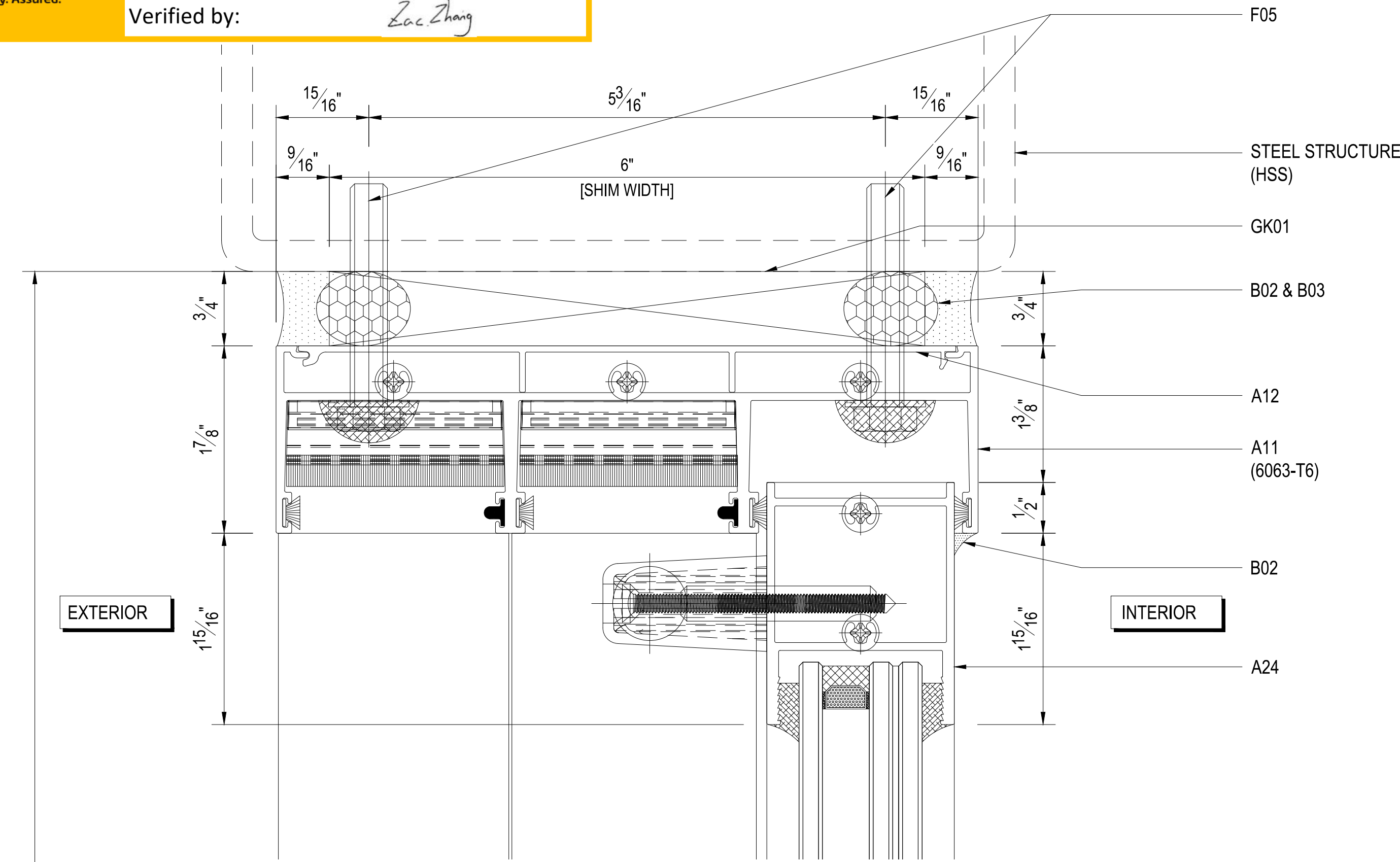
Facade Manufacturer: **CENTURY**

Title: **PMU-SLIDING DOOR
TYPICAL VERTICAL DETAIL**

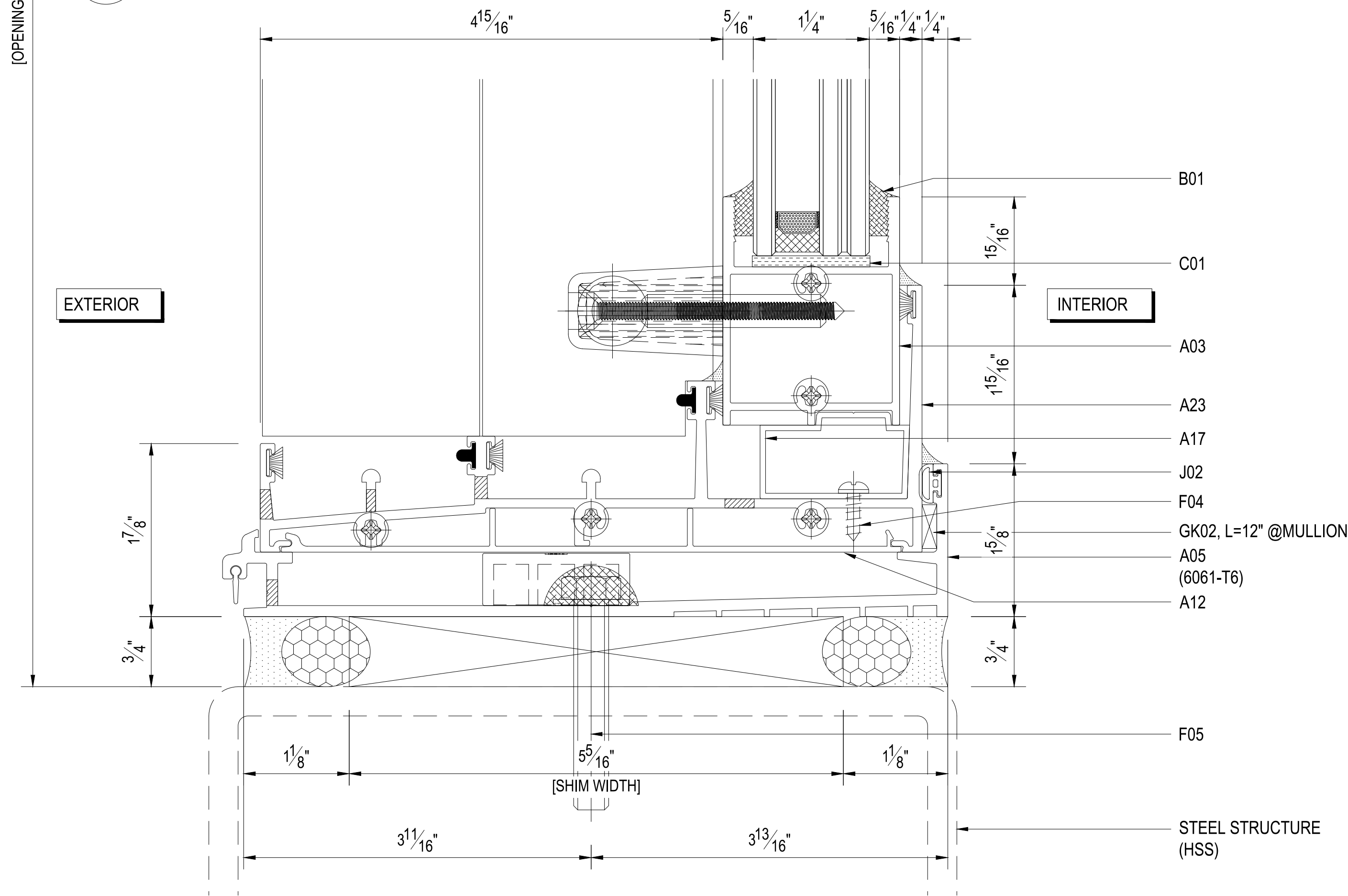
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Scale : 1 : 1 First date of issue : 05.01.2024

Drawing No. : **PMU-VD01** Revision No. : **02**

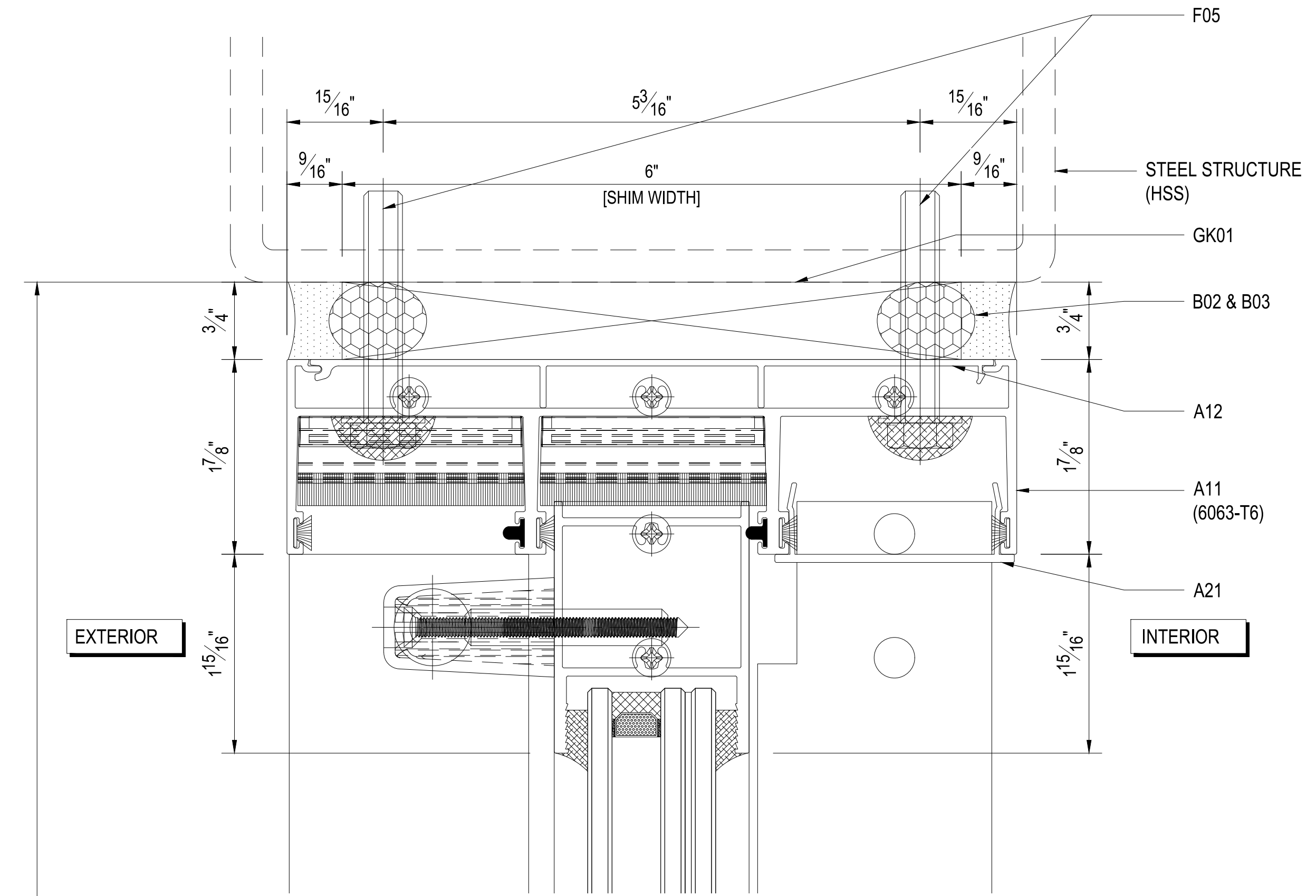
DIVULGATION AND REPRODUCTION FORBIDDEN BY LAW



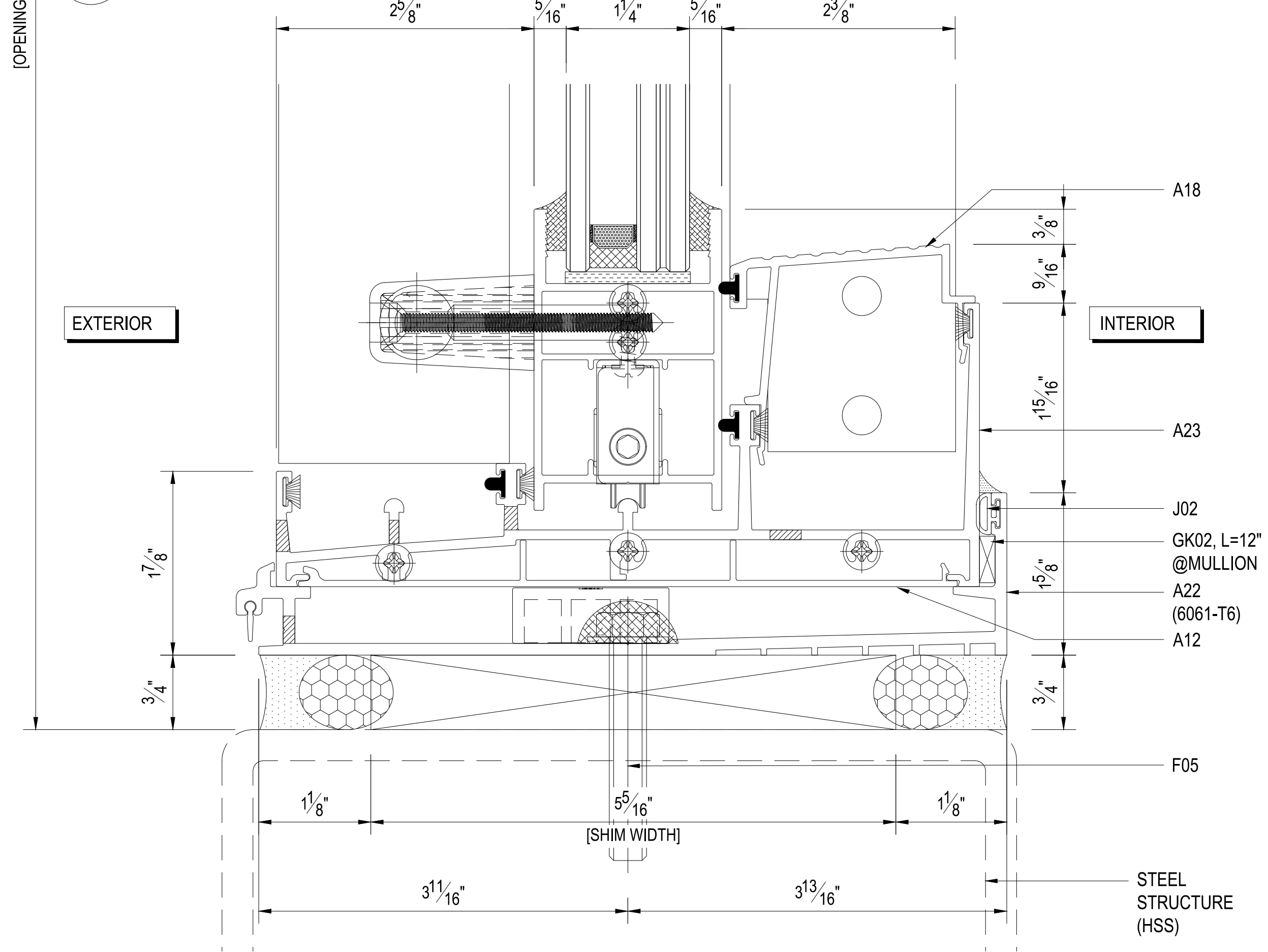
1 DETAIL
VD02 'OXX' SLIDING DOOR



2 DETAIL
VD02 'OXX' SLIDING DOOR



3 DETAIL
VD02 'OXX' SLIDING DOOR



4 DETAIL
VD02 'OXX' SLIDING DOOR

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NOTES:

- ☐ PRELIMINARY
- ☒ FOR APPROVAL
- ☐ FOR CONSTRUCTION
- ☐ AS BUILT

Glazier : **GLAS**
1212 Abbot Kinney Blvd
Venice, CA 90291

Builder: **ORTEGA**
CONSTRUCTION COMPANY

Architect: **revuelta**
architecture
international

Facade Consultant :

Rev	Date	By	Description
02	03.07.2024	KONG	FOR APPROVAL
01	08.01.2024	KONG	FOR APPROVAL
00	05.01.2024	KONG	FOR APPROVAL

Project Name : **2200 Brickell Avenue**

Key plan :

Project No. : - Reference No. : -

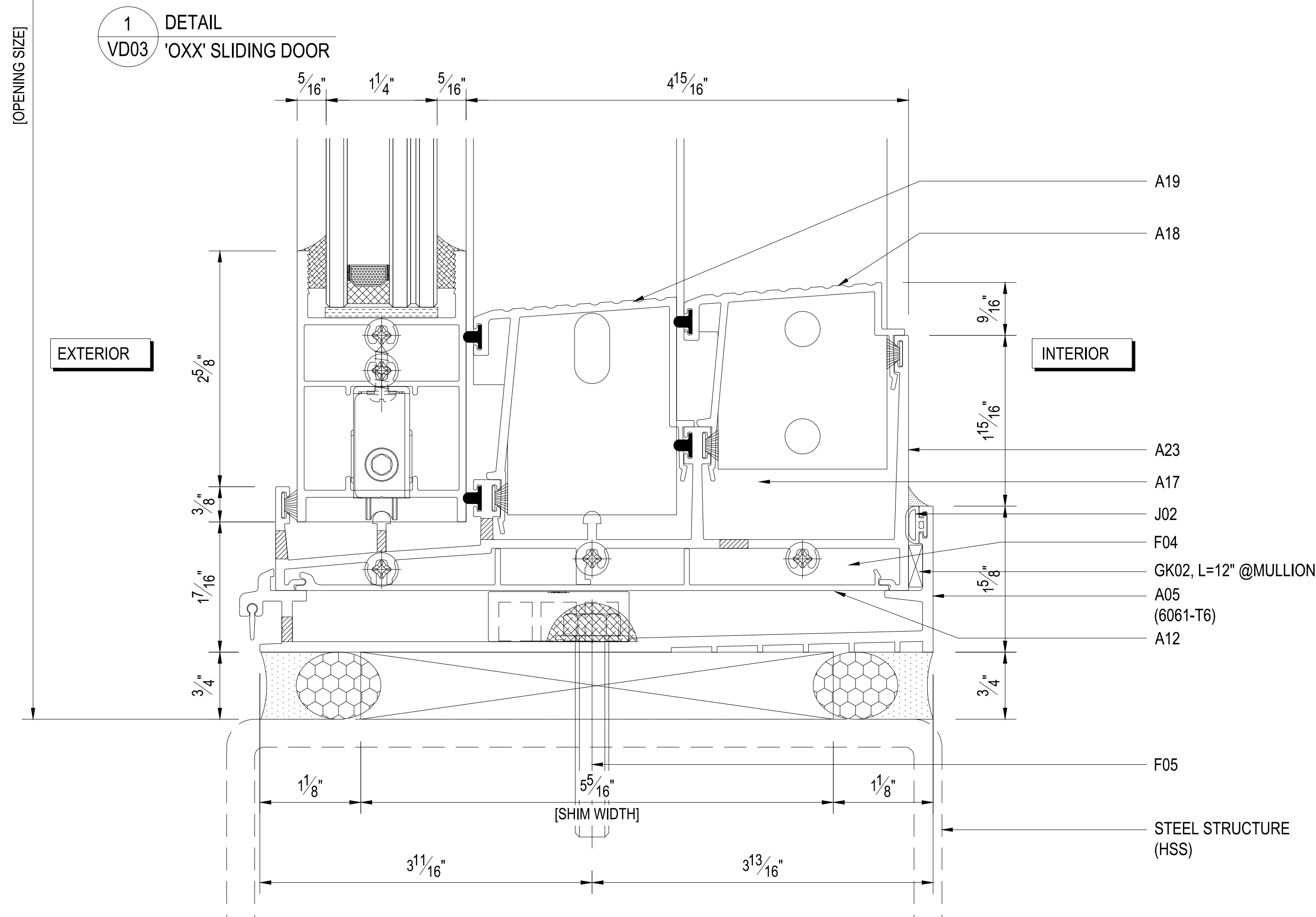
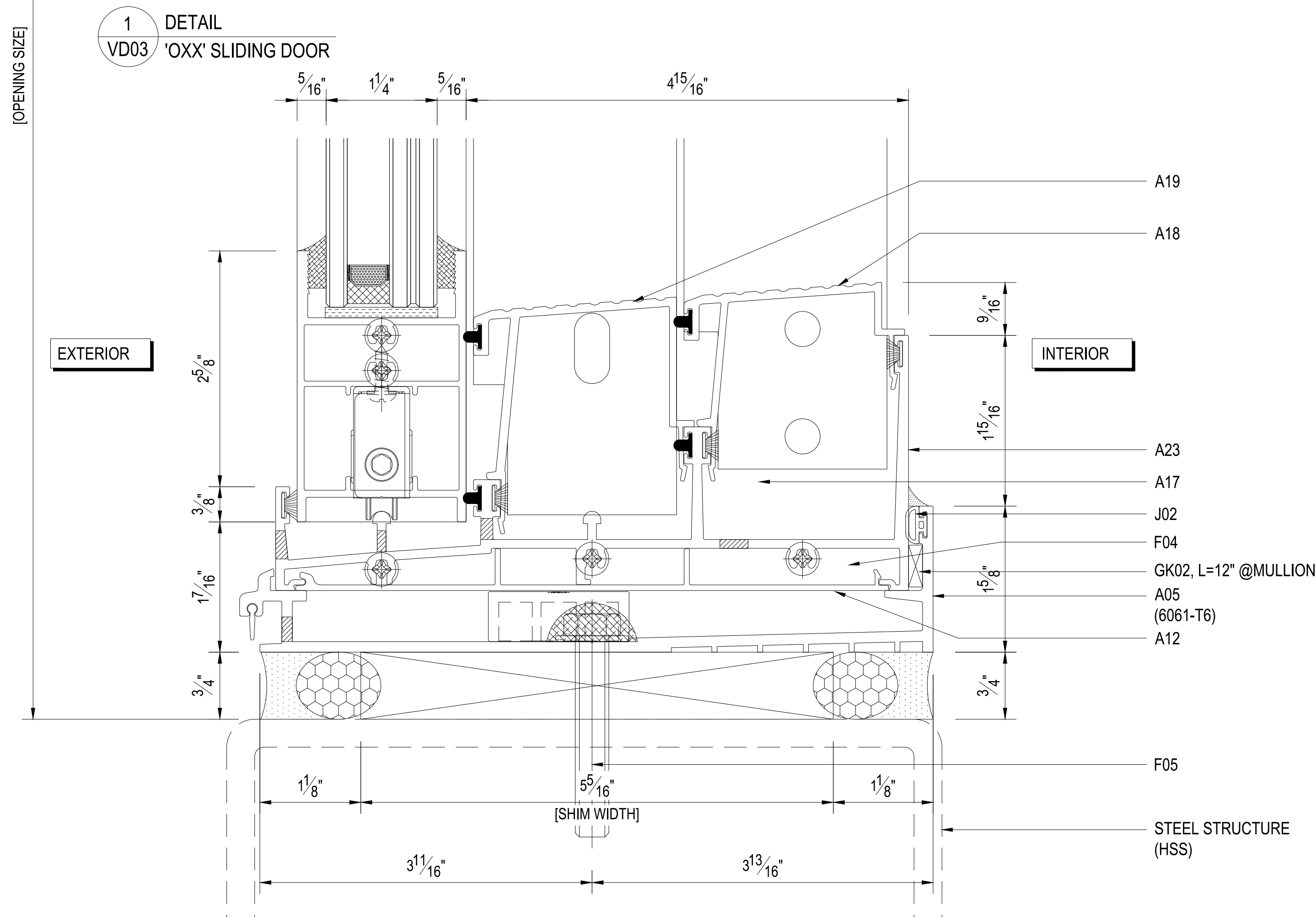
Facade Manufacturer: **CENTURY**

Title: **PMU-SLIDING DOOR
TYPICAL VERTICAL DETAIL**

Drawn by : - Checked by : - Approved by : -
Scale : 1 : 1 First date of issue : 05.01.2024

Drawing No. : **PMU-VD02** Revision No. : **02**

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TEST REPORT

Issue Date: 2024-11-21

Intertek Report No.: 240412004SHF-002

SECTION 13

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	2024-11-21	N/A	Original Report Re-Issue