

SERIES "MG-4000" ALUMINUM PIVOT DOOR -L. M. I.

GENERAL NOTES:

DOORS NOT APPROVED WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

GLAZING TYPE: SEE GLAZING DETAILS ON SHEET # 2

NEGATIVE & POSITIVE DESIGN LOADS BASED ON STRUCTURAL & CYCLE TESTING AND GLASS PER ASTM E 1300

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENT OF THE 2020 (7TH EDITION) / 2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ). 1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE. ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO SUBSTRATE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY. ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENT OF THE 2020 /2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

INSTALLATION SCREWS & FRAME CORNERS TO BE SEALED WITH NARROW JOINT SEALANT.

REFERENCES: DeWalt Ultracon NOA # 20-0427.13, DEWALT Drill-Flex ICC - ES Evaluation Report ESIR-3332

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2. DESIGN LOADS SHOWN ARE BASED ON "ALLOWABLE STRESS DESIGN" ASD.

INSTRUCTIONS:

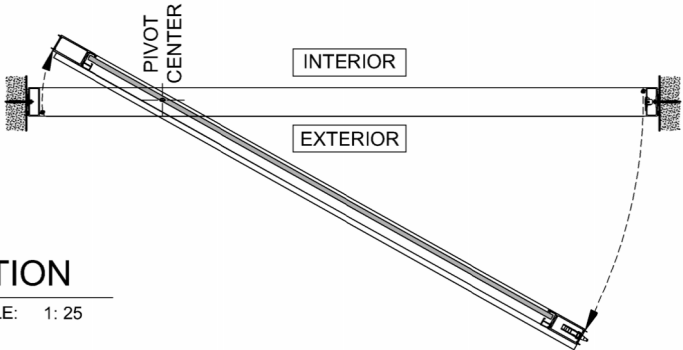
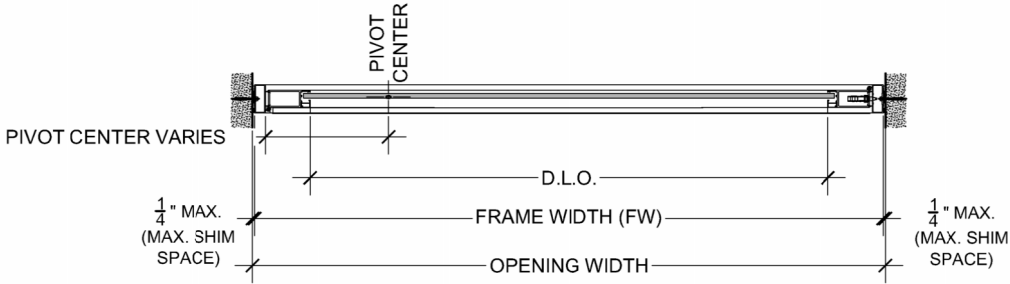
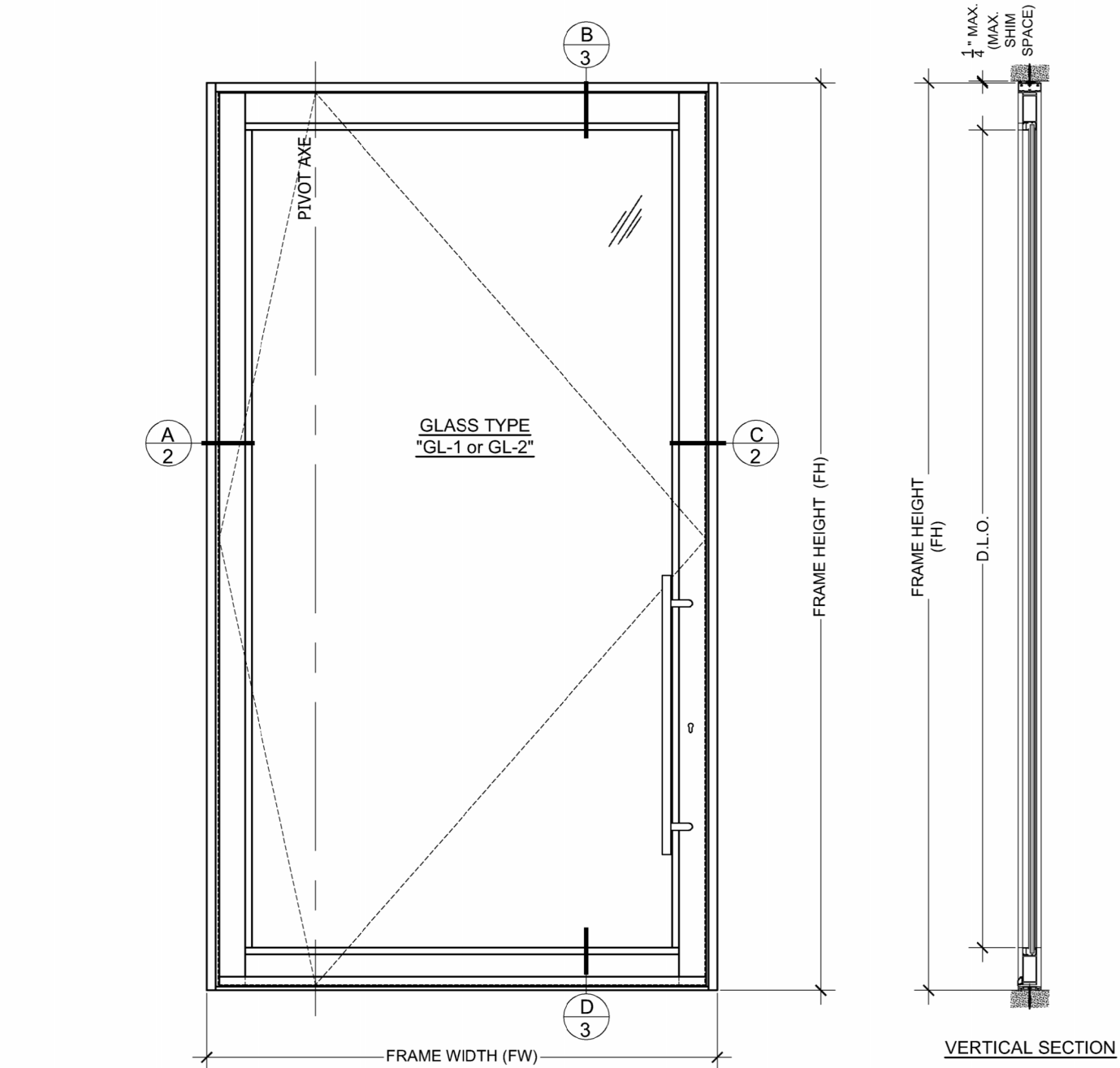
1. DETERMINE THE BUILDING'S REQUIRED DESIGN PRESSURE USING THE ASCE 7 STANDARD.
2. DOOR SELECTED FROM THIS APPROVAL MUST HAVE EQUAL OR HIGHER DESIGN PRESSURE THAN THE ONE CALCULATED IN POINT 1. SEE TABLE ON THIS SHEET.
3. DETERMINE ANCHOR GROUP THAT APPLIES FROM SHEET #3 AND #3.1, DEPENDING ON THE SUBSTRATE AND PROJECT CONDITIONS.
4. FOR ANCHOR QUANTITIES AND DISTRIBUTION SEE SHEET#4.

ADDITIONAL NOTES

- A. CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- B. THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- C. SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- D. THIS PRODUCT EVALUATION DOCUMENT. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

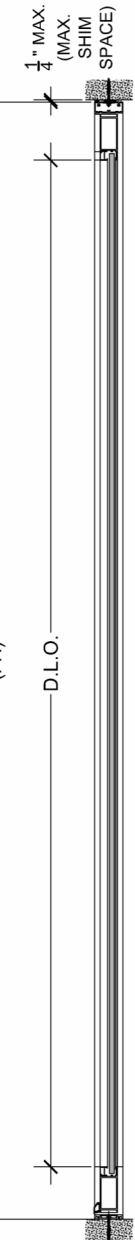
INFILL TYPE	DIMENSIONS		D.P. (P.S.F.)	
	W (max) (in)	H (max) (in)	POSITIVE	NEGATIVE
GL-1	72	144	50	55
GL-2	60	120	70	70
INFILL PANEL	72	144	60	60

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.



TYPICAL ELEVATION

SCALE: 1: 25



VERTICAL SECTION

HORIZONTAL SECTION

Digitally signed by Oscar Yamir Souffront
DN: c=US, sn=Souffront,
givenName=Oscar Yamir,
email=souffrontengineering@gmail.com
, cn=Oscar Yamir Souffront
Date: 2024.07.26 20:01:19 -04'00'
Adobe Acrobat version: 2024.002.20895

This item has been digitally signed and sealed by
Oscar Yamir Souffront P.E. on the date adjacent to
the seal.

Printed copies of this document are not considered
signed and sealed and the signature must be verified

PRODUCT NAME:

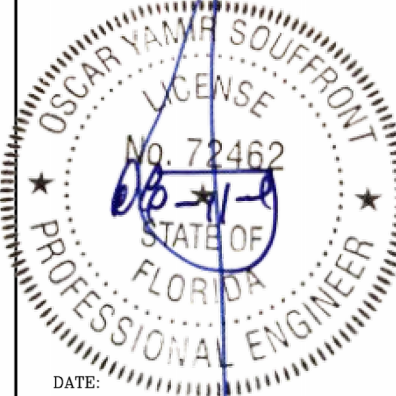
SERIES "MG-4000"
ALUMINUM PIVOT DOOR - L. M. I.

REVISIONS

No.	DATE	BY	DESCRIPTION
1	2/2/2024	O.S.	UPDATED TO F.B.C. 2023
2	7/10/2024	O.S.	SOLID PANEL ADDED, PIVOT DIRECTLY TO FINISH FLOOR



OSCAR YAMIR SOUFFRONT
PROFESSIONAL ENGINEER



DATE:

FLORIDA No. 72462

SOUFFRONT CONSTRUCTION GROUP Ltd. Co.
CERTIFICATE OF AUTHORIZATION:
No. 29697
2942 SW 156th AVENUE
MIAMI, FL 33185.
Phone: 786.306.9417
email:souffrontengineering@gmail.com

DRAWING TITLE:

GENERAL NOTES, INSTRUCTIONS
AND TYPICAL ELEVATION

MANUFACTURER:



8051 NW 79th PL
MIAMI, FL 33166
PH: 305-470 8284
FAX: 305-470 8285
www.mrglasswindows.com
info@mrglasswindows.com

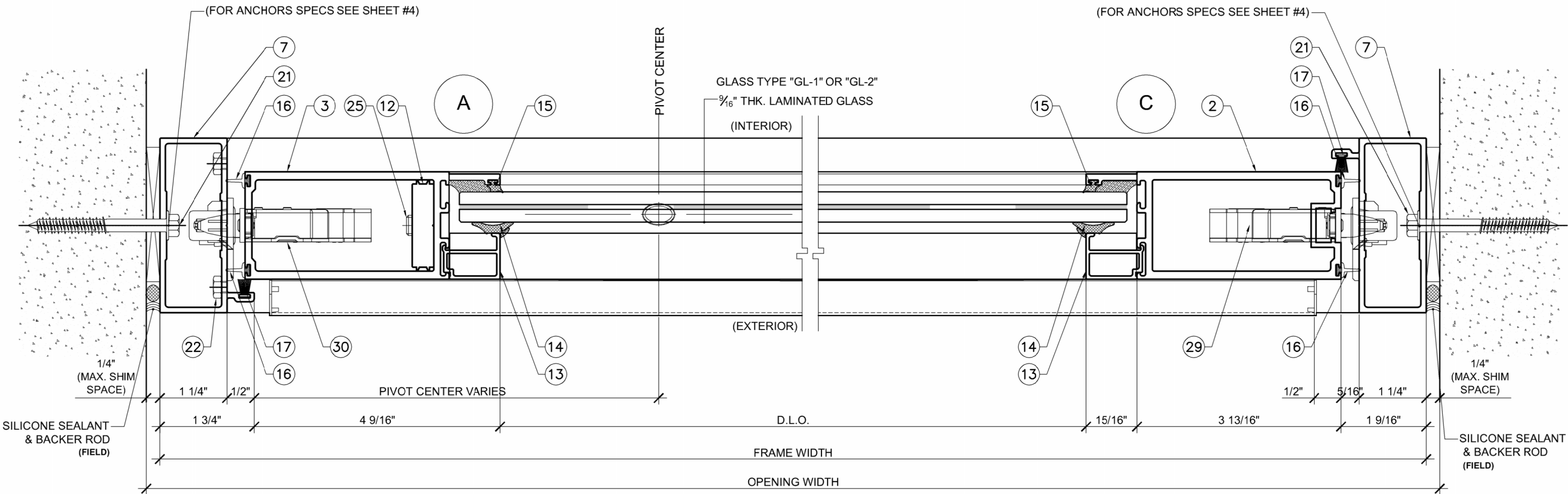
TESTING LABORATORY:

Hurricane Engineering & Testing Inc.
6120 Northwest 07th Avenue
Doral, FL 33178
United States

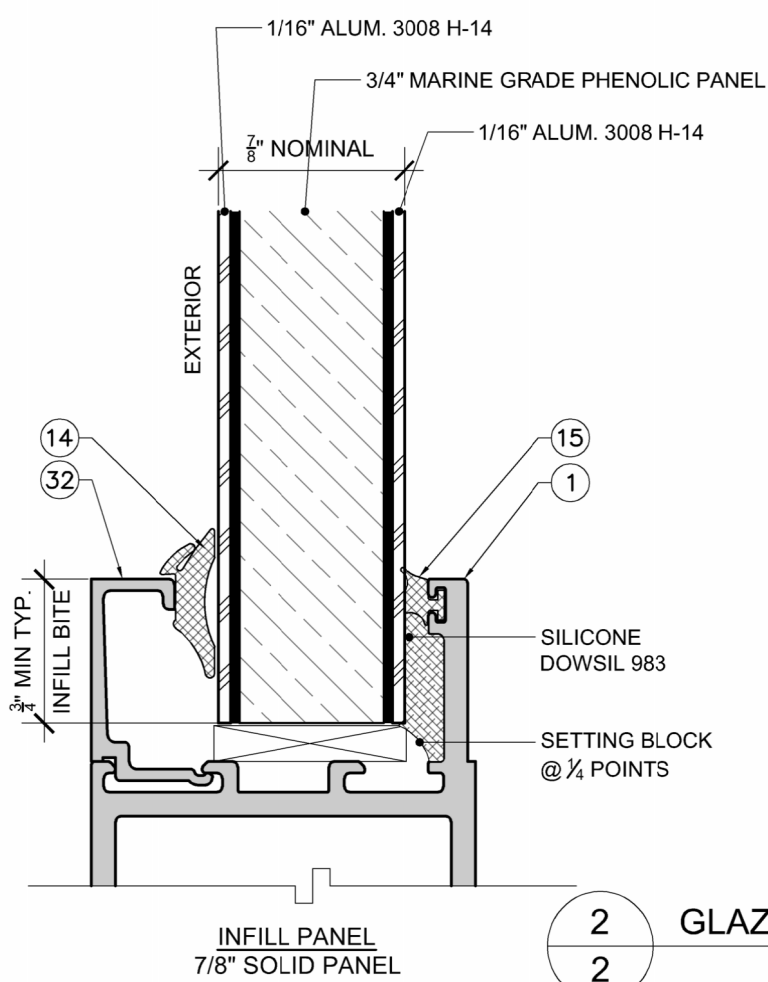
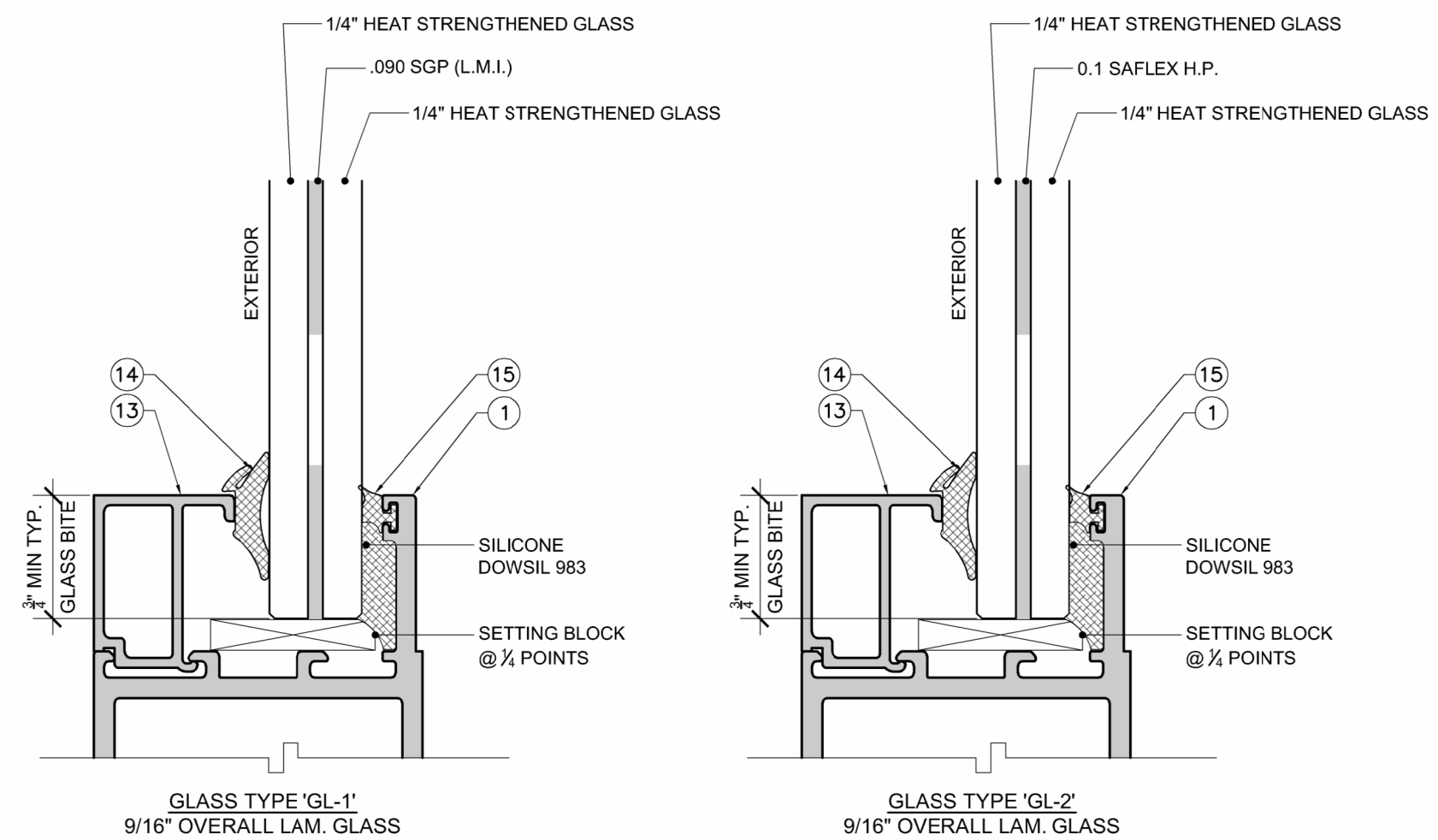
Date
10-17-2022
Scale
as Noted

Drawing No. SCG-07108-22

Sheet No. 1 OF 7



1 HORIZONTAL SECTIONS
2 SCALE: 1:2



2 GLAZING OPTIONS
2 SCALE: 1:2

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OSCAR YAMIR SOUFFRONT
PROFESSIONAL ENGINEER

DATE: 08-11-24

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CERTIFICATE OF AUTHORIZATION:
No. 29697
2942 SW 156th AVENUE
MIAMI, FL 33185.
Phone: 786.306.9417
email:souffrontengineering@gmail.com

DRAWING TITLE:

HORIZONTAL SECTION
GLAZING OPTIONS

MANUFACTURER:

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MIAMI, FL 33166
PH: 305-470 8284
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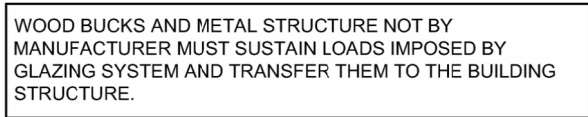
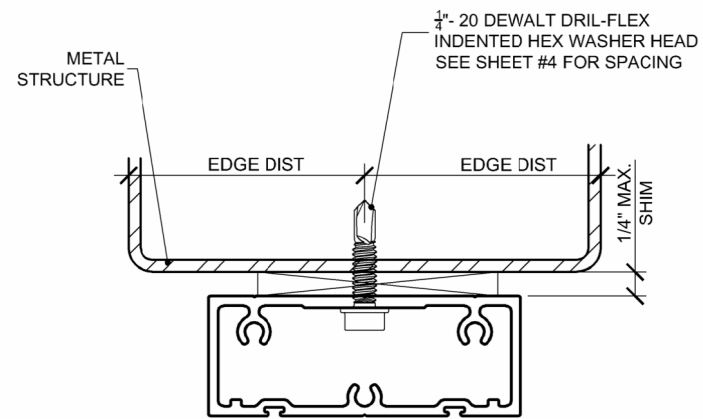
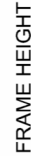
TESTING LABORATORY:

BLACKWATER TESTING INC.
7341 WESTPORT PL. SUITE 1A
WEST PALM BEACH, FL 33413
PHONE: 561.508.2830
EMAIL: Engdep@blackwatertesting.com

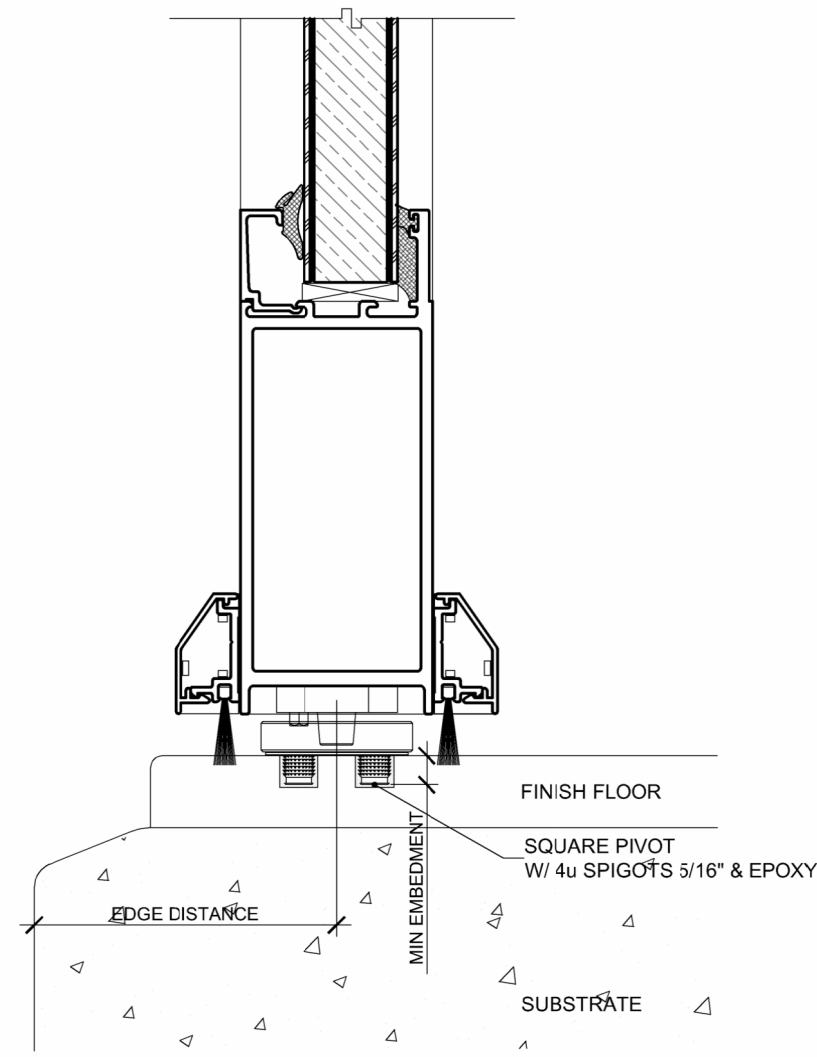
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Drawing No. SCG-07108-22

Sheet No. 2 OF 7

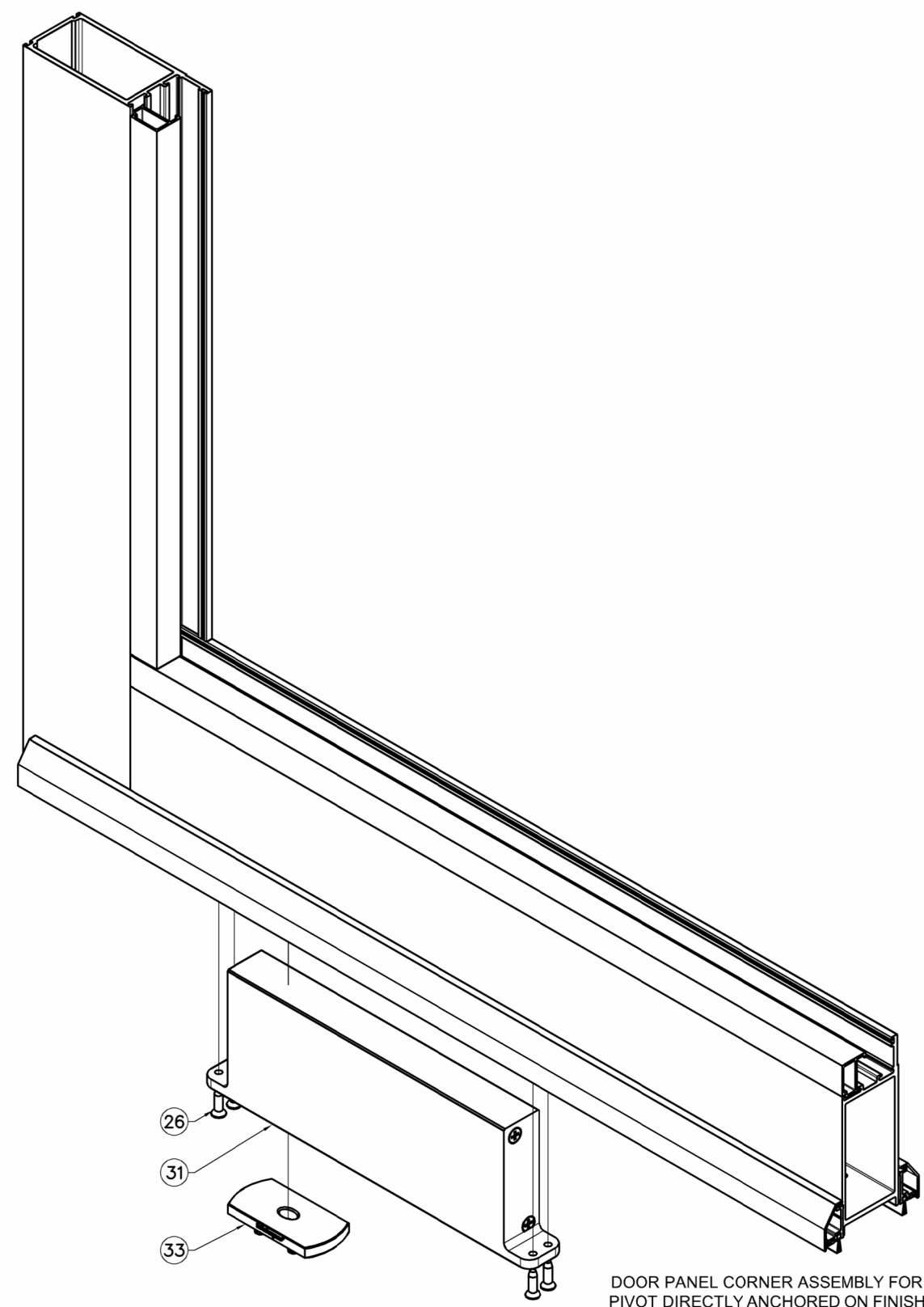


Sheet No. 3 OF 7



DETAIL FOR PIVOT DIRECTLY ANCHORED ON FINISH FLOOR.
MAX. DIMS. 72" x 144"
MAX. DP +/- 60 PSF

3 ANCHORS DETAILS (cont...)
3.1 SCALE: 1:16



DOOR PANEL CORNER ASSEMBLY FOR
PIVOT DIRECTLY ANCHORED ON FINISH
FLOOR.

4 3D VIEW CONEXIONS
3.1 SCALE: 1:16

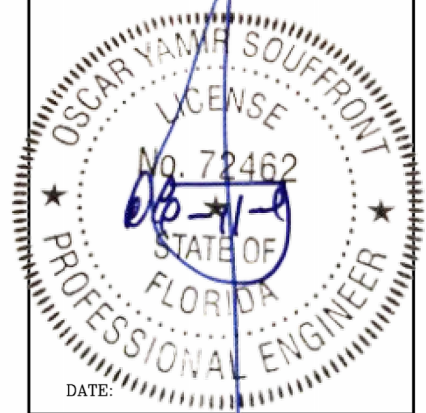
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OSCAR YAMIR SOUFFRONT
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DRAWING TITLE:

VERTICAL SECTION
3D VIEW CONEXIONS

MANUFACTURER:



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MIAMI, FL 33166
PH: 305-470 8284
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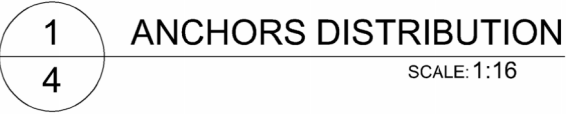
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WEST PALM BEACH, FL 33413
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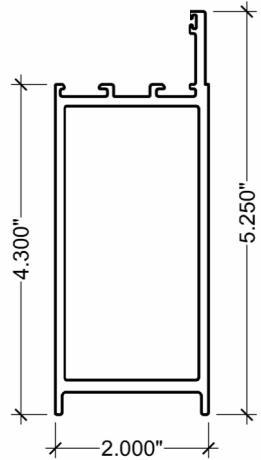
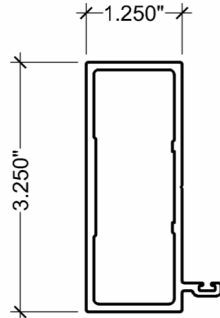
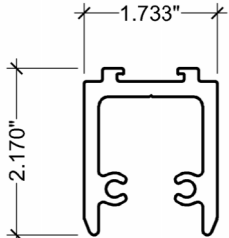
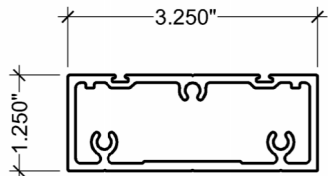
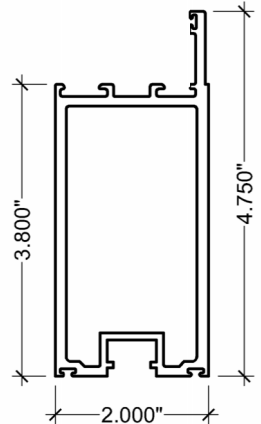
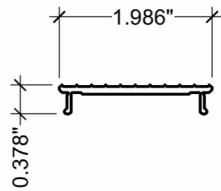
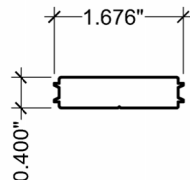
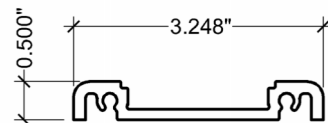
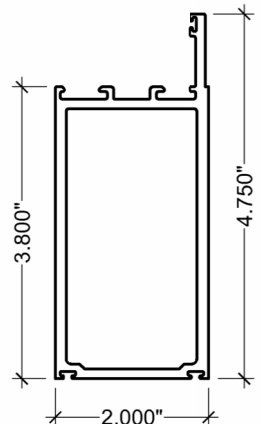
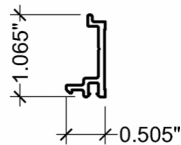
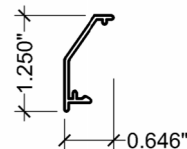
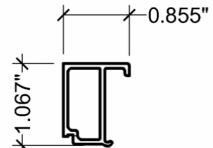
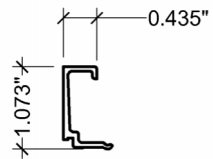
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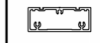
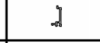
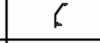
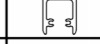
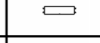
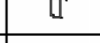
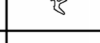
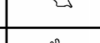
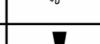
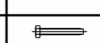
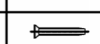
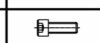
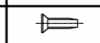
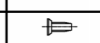
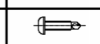
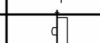
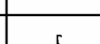
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Sheet No. 3.1 OF 7



Sheet No. 4 OF 7

TOP & BOTTOM RAIL  ALLOY 6063-T6E-4002	FRAME JAMB  ALLOY 6063-T6E-4014	SHEAR BLOCK  ALLOY 6005-T5E 4024	FRAME HEADER  ALLOY 6063-T6E-4012
LOCK STILE  ALLOY 6063-T6E-4003	THRESHOLD COVER  ALLOY 6063-T5E 4015	COUNTER PLATE  ALLOY 6063-T5E-4025	DOOR THRESHOLD  ALLOY 6063-T6E 4013
PIVOT STILE  ALLOY 6063-T6E-4004	EXTERIOR DOOR SWEEP  ALLOY 6063-T5E 4022	SWEEP COVER  ALLOY 6063-T5E 4023	GLASS STOP FOR 9/16" GLASS  ALLOY 6063-T6E 9001 GLASS STOP FOR 7/8" SOLID PANEL  ALLOY 6063-T6E 9001

BILL OF MATERIAL				
ITEM	PART NUMBER	PICTURE	DESCRIPTION	MATERIAL
1	E 4002		TOP & BOTTOM RAIL	6063-T6
2	E 4003		LOCK STILE	6063-T6
3	E 4004		PIVOT STILE	6063-T6
5	E 4012		FRAME HEADER	6063-T6
6	E 4013		DOOR THRESHOLD	6063-T6
7	E 4014		FRAME JAMB	6063-T6
8	E 4015		THRESHOLD COVER	6063-T5
9	E 4022		EXTERIOR DOOR SWEEP	6063-T5
10	E 4023		SWEEP COVER	6063-T5
11	E 4024		SHEAR BLOCK	6063-T5
12	E 4025		COUNTER PLATE	6005-T5
13	E 9001		GLASS STOP	6063-T6
14	G10-04		WEDGE GASKET	EPDM BLACK SHORE A 70+/-5
15	G30-01		OFFSET GASKET	SANTOPRENE SHORE A70+/-5
16	G40-01		SWEEP GASKET	SILICONE SHORE A 55+/-5
17	G40-02		REBATE GASKET (FOR PIVOT GLASS DOOR)	SILICONE
18	G40-04		PILE WEATHER STRIP	POLYPROPYLENE & YARN
19	G40-06		DOOR SWEEPER	POLYPROPYLENE & YARN
21	AA1		ANCHOR AS REQUIRED	PER ANCHOR SPECS (SHEET #3)
22	S1		#12 - 24 x 1 3/4" HH TAPPING SCREW POINT TYPE "F" SS 410	STAINLESS STEEL
23	S2		1/4"-20 x 1 3/4" PH FH TAPPING SCREW POINT TYPE "F" SS 304	STAINLESS STEEL
24	S3		#6-32 x 1" PH FH TAPPING SCREW TYPE "F" SS 304	STAINLESS STEEL
25	S4		3/8"-16 UNC x 1" HEXAGONAL SOCKET SS 410	STAINLESS STEEL
26	S6		#12 - 24 x 3/4" PH FH TAPPING SCREW POINT TYPE "F" SS 410	STAINLESS STEEL
27	S7		#10 - 24 x 1/2" UC FH TAPPING SCREW POINT TYPE "F" SS 304	STAINLESS STEEL
28	S12		#10'-16 x 3/4" PH PH SELF DRILLING SCREW SS 410	STAINLESS STEEL
29	L40-01		MULTIPOINT LOCK	STEEL
30	L40-02		ONE POINT LOCK	STEEL
31	L40-02		PIVOT SET	STEEL
32	9013		GLASS STOP	6063-T6
33			SQUARE PIVOT	STEEL

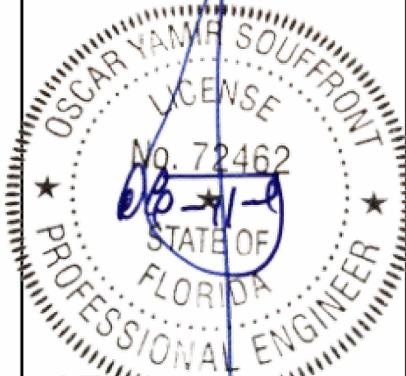
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DRAWING TITLE:

PROFILES
BILL OF MATERIALS

MANUFACTURER:



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MIAMI, FL 33166
PH: 305-470 8284
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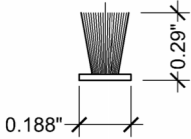
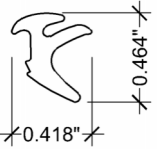
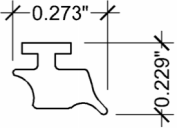
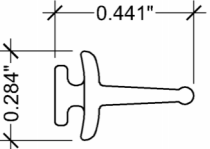
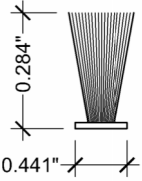
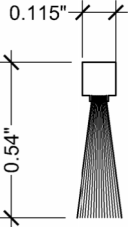
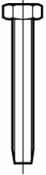
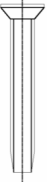
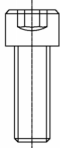
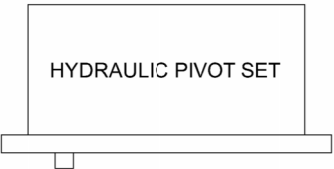
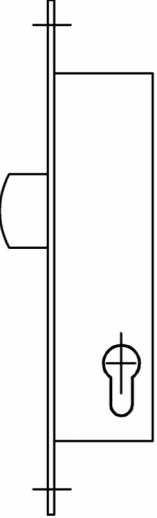
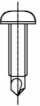
TESTING LABORATORY:

BLACKWATER TESTING INC.
7341 WESTPORT PL. SUITE 1A
WEST PALM BEACH, FL 33413
PHONE: 561.508.2830
EMAIL: Engdep@blackwatertesting.com

Date	Scale
10-17-2022	as Noted

Drawing No. SCG-07108-22

Sheet No. 5 OF 7

PILE WEATHER STRIP  Material: POLYPROPYLENE & YARN G40-04	WEDGE GASKET  Material: EPDM G10-04	OFFSET GASKET  Material: POLYPROPYLENE / SANTOPRENE G30-01	SWEEP GASKET  Material: SILICONE G40-01	PILE WEATHER STRIP  Material: POLYPROPYLENE & YARN G40-02
PILE WEATHER STRIP DOOR SWEEPER  Material: POLYPROPYLENE & YARN G40-06	ANCHOR AS REQUIRED  Material: AS PER SPECS SHEET #3 AA1	#12-24 x 1-3/4" HH TAPPING SCREW POINT TYPE "F" SS 410  Material: STAINLESS STEEL S1	1/4"-20 x 1 3/4" PH FH TAPPING SCREW POINT TYPE "F" SS 304  Material: STAINLESS STEEL S2	#6-32 x 1" PH FH TAPPING SCREW TYPE "F" SS 304  Material: STAINLESS STEEL S3
3/8"-16 UNC x 1" HEXAGONAL SOCKET SS 410  Material: STAINLESS STEEL S4	#12 - 24 x 3#4" PH FH TAPPING SCREW POINT TYPE "F" SS 410  Material: STAINLESS STEEL S6	ONE - POINT LOCK  Material: ALUM / STAINLESS STEEL L40-02	MULTI-POINT LOCK  Material: STEEL L40-01	ONE - POINT LOCK  Material: STEEL L40-02
#10 - 24 x 1#2" UC FH TAPPING SCREW POINT TYPE "F" SS 304  Material: STAINLESS STEEL S7	#10'-16 x 3/4" PH PH SELF DRILLING SCREW SS 410  Material: STAINLESS STEEL S12			

PRODUCT NAME:

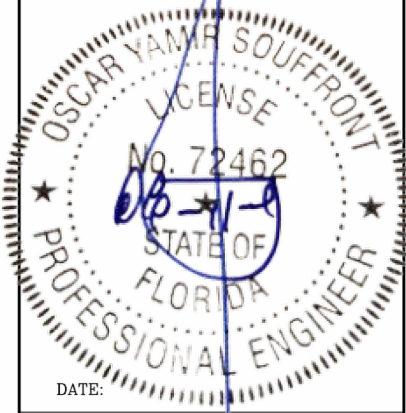
SERIES "MG-4000"
ALUMINUM PIVOT DOOR - L. M .I.

REVISIONS

No.	DATE	BY	DESCRIPTION
1	2/2/2024	O.S.	UPDATED TO F.B.C. 2023
2	7/10/2024	O.S.	SOLID PANEL ADDED, PIVOT DIRECTLY TO FINISH FLOOR



OSCAR YAMIR SOUFFRONT
PROFESSIONAL ENGINEER



DATE:

FLORIDA No. 72462

SOUFFRONT CONSTRUCTION GROUP Ltd. Co.
CERTIFICATE OF AUTHORIZATION:
No. 29697
2942 SW 156th AVENUE
MIAMI, FL 33185.
Phone: 786.306.9417
email:souffrontengineering@gmail.com

DRAWING TITLE:

ACCESSORIES

MANUFACTURER:



8051 NW 79th PL
MIAMI, FL 33166
PH: 305-470 8284
FAX: 305-470 8285
www.mrglasswindows.com
info@mrglasswindows.com

TESTING LABORATORY:

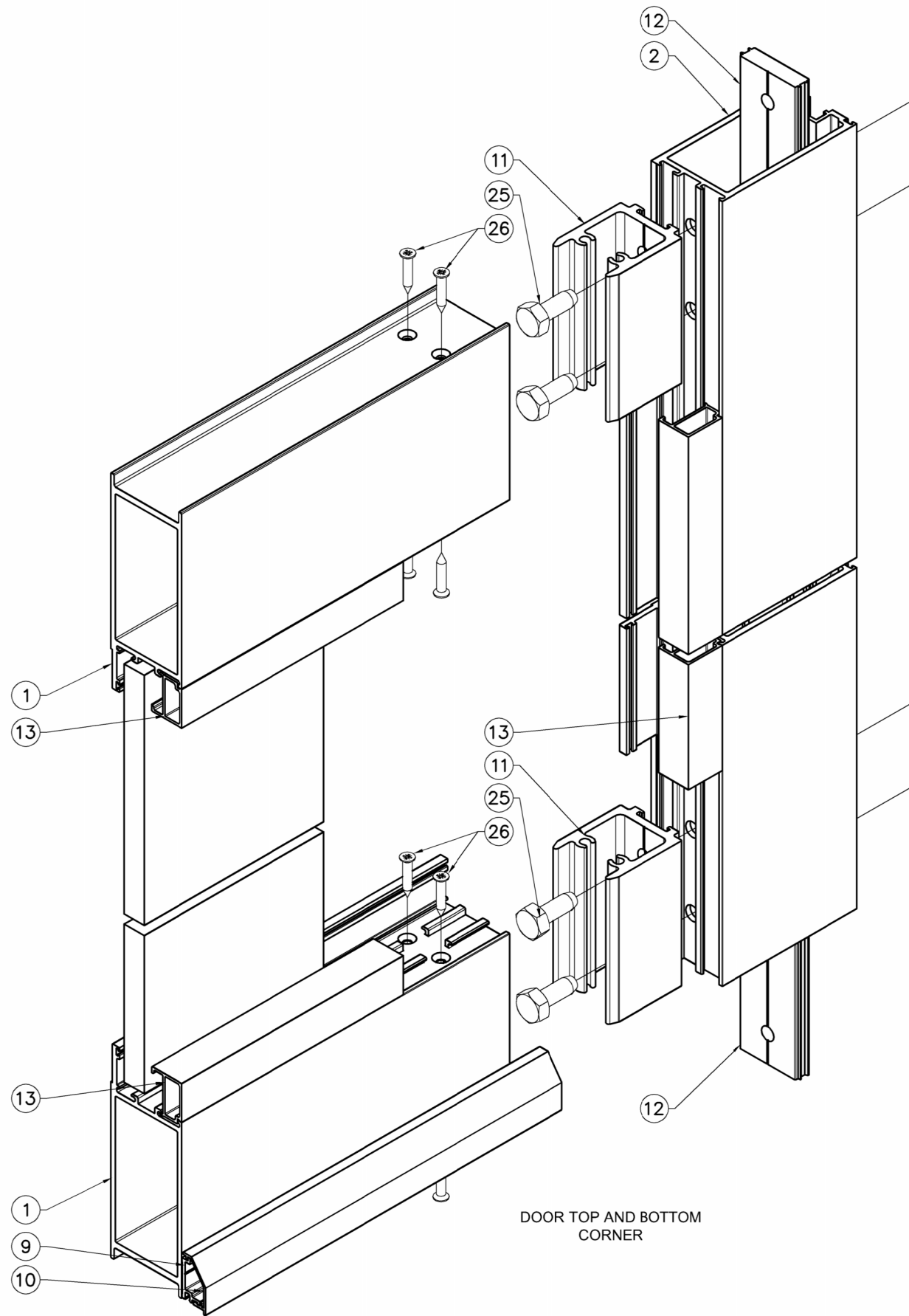
BLACKWATER TESTING INC.
7341 WESTPORT PL. SUITE 1A
WEST PALM BEACH, FL 33413
PHONE: 561.508.2830
EMAIL: Engdep@blackwatertesting.com

Date
10-17-2022

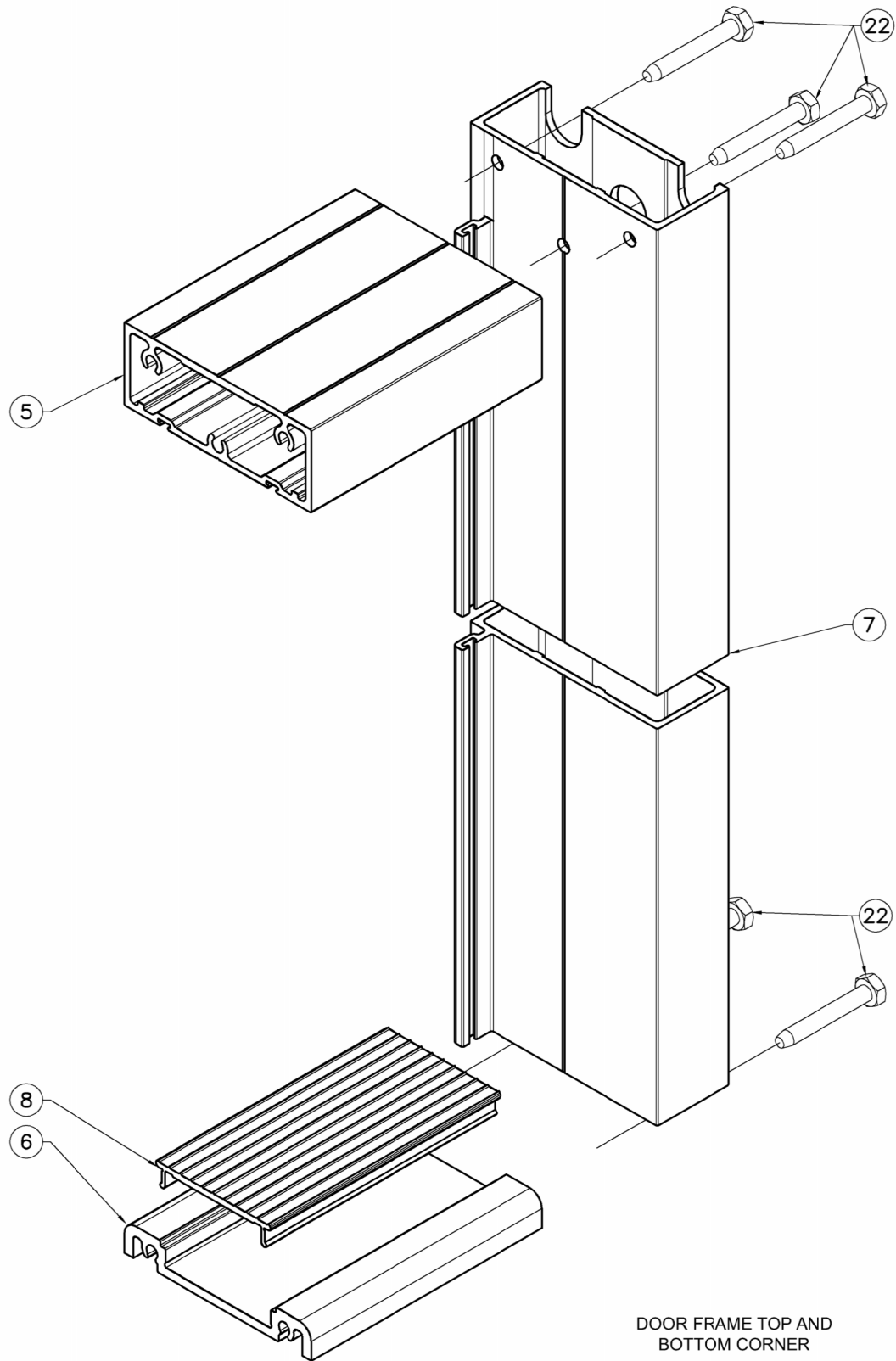
Scale
as Noted

Drawing No. SCG-07108-22

Sheet No. 6 OF 7



DOOR TOP AND BOTTOM
CORNER



DOOR FRAME TOP AND
BOTTOM CORNER

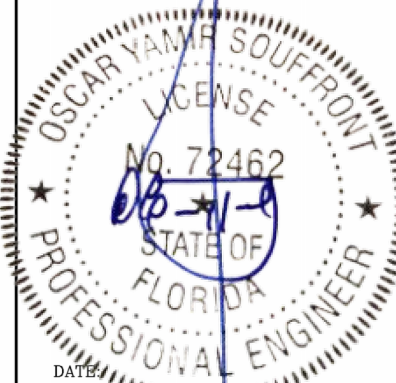
PRODUCT NAME:

SERIES "MG-4000"
ALUMINUM PIVOT DOOR - L. M .I.

REVISIONS			
No.	DATE	BY	DESCRIPTION
1	2/2/2024	O.S.	UPDATED TO F.B.C. 2023
2	7/10/2024	O.S.	SOLID PANEL ADDED, PIVOT DIRECTLY TO FINISH FLOOR



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DRAWING TITLE:

3D VIEWS CONNECTIONS

MANUFACTURER:



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Date	Scale
10-17-2022	as Noted

Drawing No. SCG-07108-22

Sheet No. 7 OF 7