EURO-WALL SYSTEMS

EURO-C3 BIFOLD ALUMINUM DOOR SYSTEM (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND 2018 INTERNATIONAL RESIDENTIAL CODE (IRC), AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
   - ASTM E282-04(12)
   - ASTM E330-14
   - ASTM E331-00(09)
   - ASTM E1886-13a
   - ASTM E1996-14a/17
   - TAS 201-94
   - TAS 202-94
   - TAS 203-94

2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.

3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.

4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.

6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.

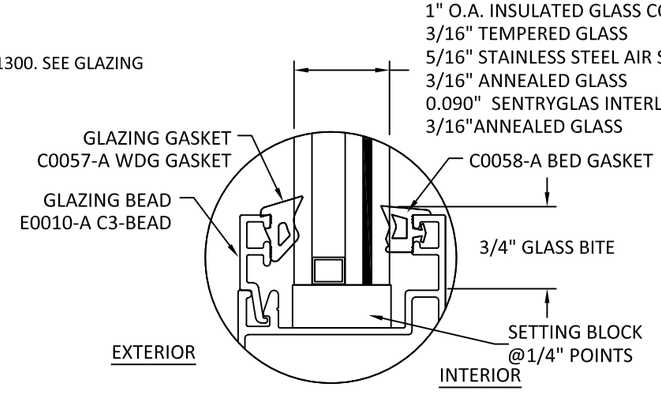
7. FRAME MATERIAL: *ALUMINUM 6063-T5*.

8. GLASS MEET THE REQUIREMENTS OF ASTM E1300. SEE GLAZING DETAILS ON SHEETS 1 & 2.

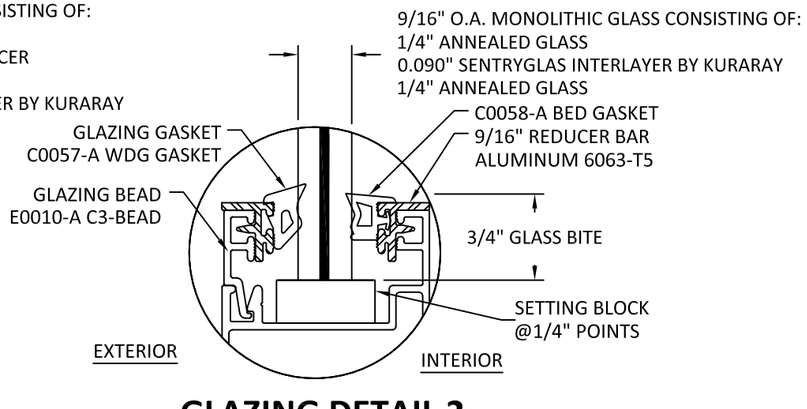
GLAZING NOTES:
1. GLASS TYPE AND THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS.
2. ALL GLAZING CONFIGURATIONS COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN IBC & IRC.

TABLE OF CONTENTS

FRAME SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE SHEET 3 & 4	SEE SHEET 4	LARGE & SMALL MISSILE IMPACT



GLAZING DETAIL 1



GLAZING DETAIL 2

EURO-WALL SYSTEMS, LLC
2200 MURPHY COURT
NORTH PORT, FL 34289
PH: (888) 989-3876

TITLE: *EURO-C3 BIFOLD ALUMINUM DOOR SYSTEM (IMPACT)*
GENERAL NOTES AND GLAZING DETAILS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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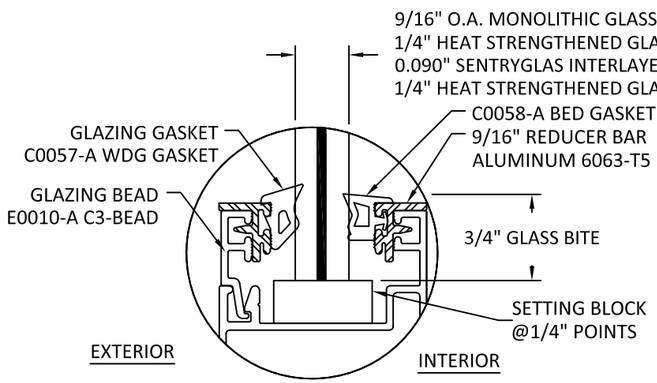
Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2022.04.22 16:55:07 -04'00'

STATE OF TEXAS
HERMES F. NORERO
118471
LICENSED
PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
TEXAS P.E. No 118471
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
TBPE FIRM No. 13734

DATE: 01.31.22
DWG. BY: MS
CHK. BY: HFN
SCALE: NTS
DWG. #: EWS022
SHEET 1 OF 8



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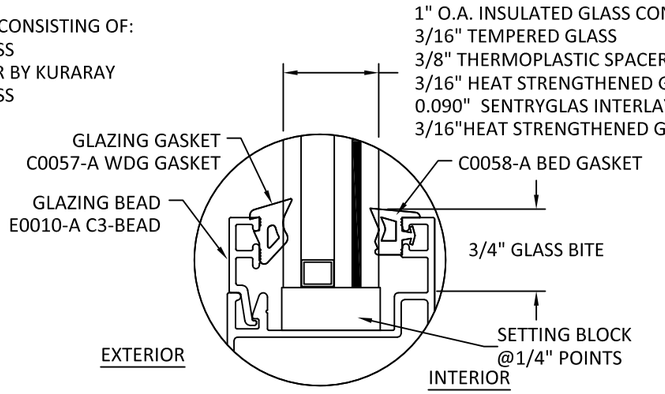

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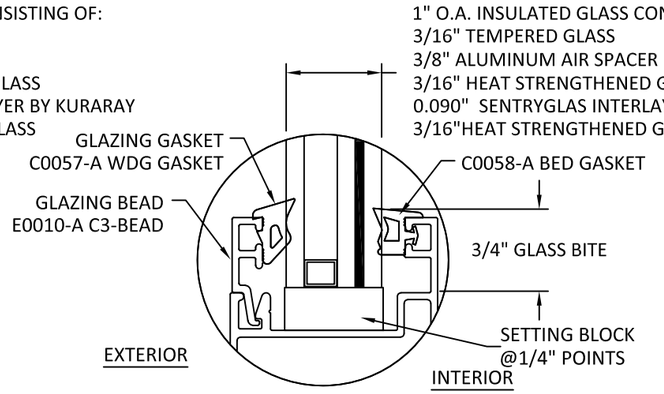

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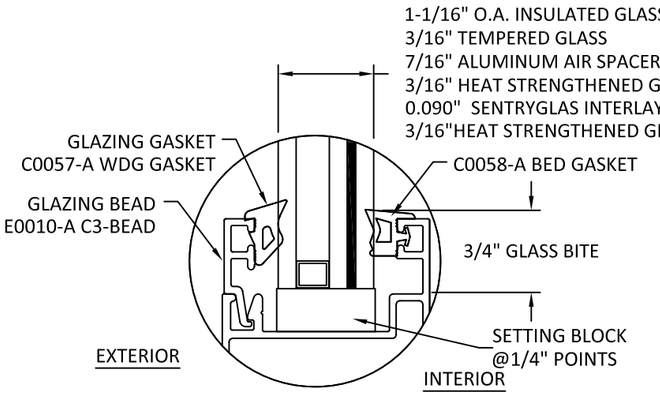

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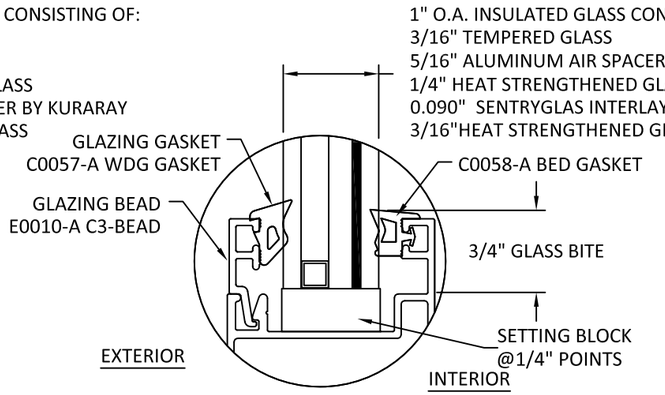

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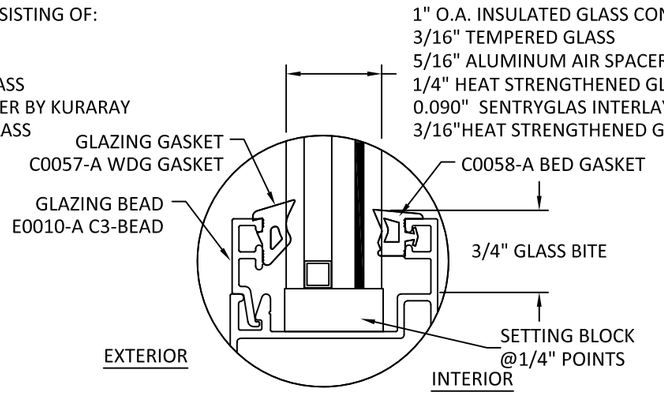
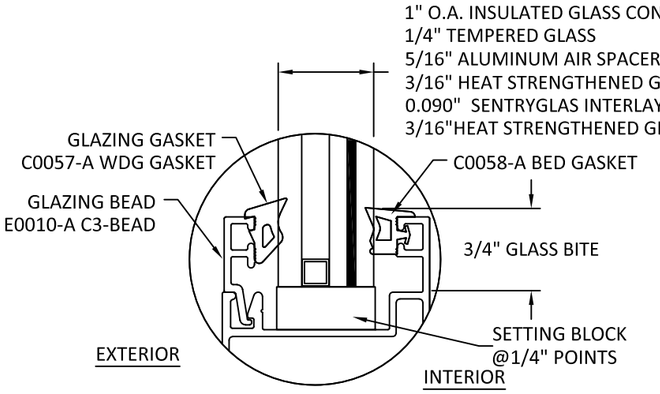


GLAZING DETAIL 8



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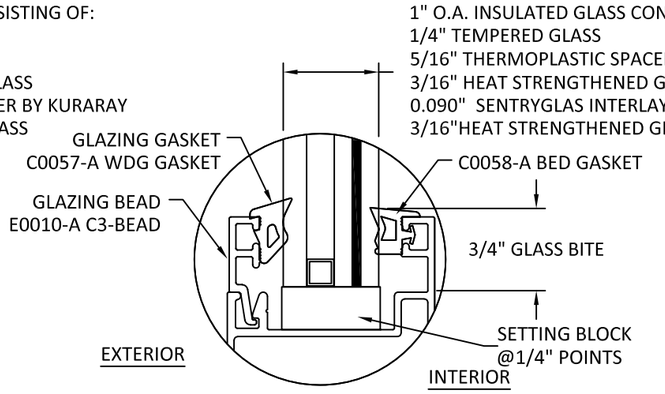

GLAZING DETAIL 10

GLAZING NOTES:
1. GLASS TYPE AND THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS.
2. ALL GLAZING CONFIGURATIONS COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN IBC & IRC.

euro-wall
SUPERIOR BY DESIGN

EURO-WALL SYSTEMS, LLC
2200 MURPHY COURT
NORTH PORT, FL 34289
PH: (888) 989-3876

TITLE: *EURO-C3 BIFOLD ALUMINUM DOOR SYSTEM (IMPACT)*
GLAZING DETAILS

PREPARED BY:
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DANIA BEACH, FL 33004
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REMARKS	BY	DATE

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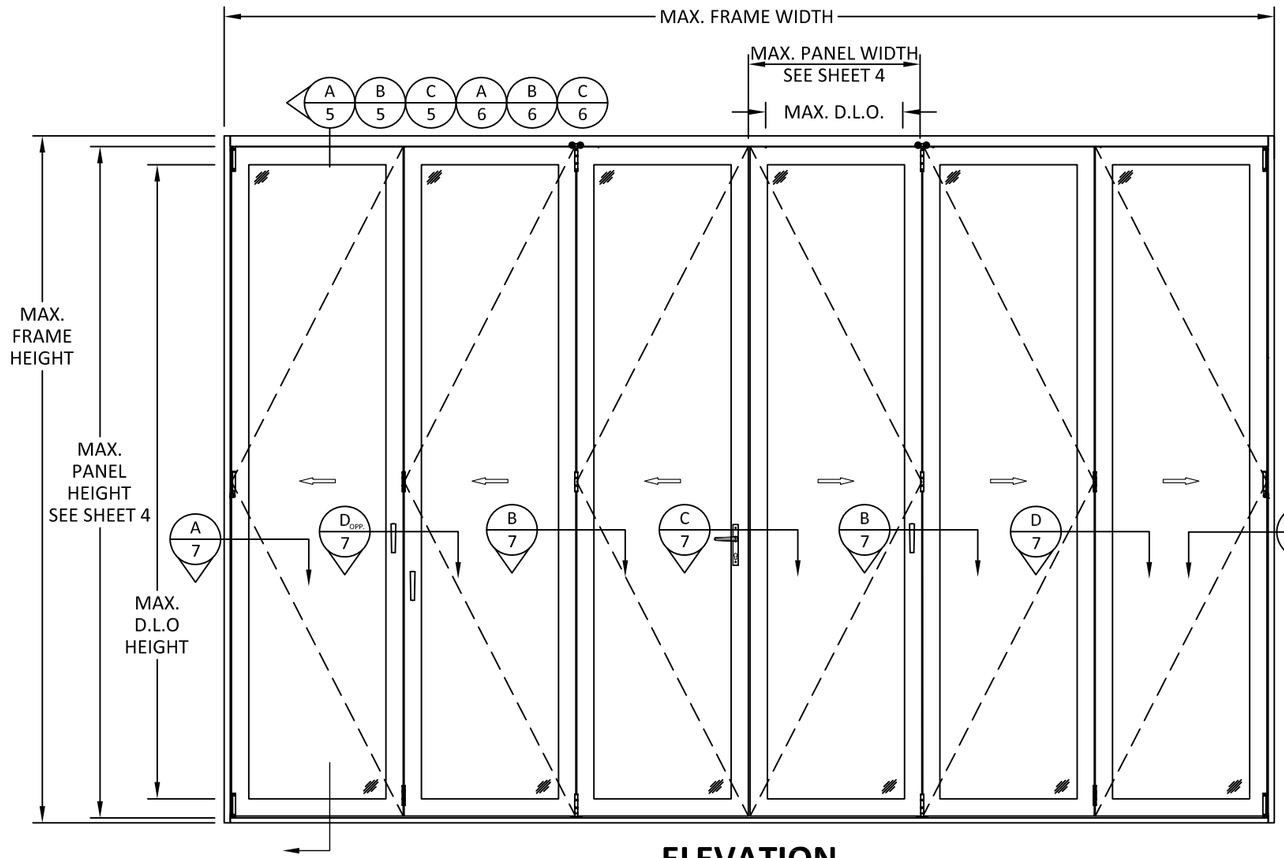
STATE OF TEXAS
HERMES F NORERO
118471
LICENSED
PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
TEXAS P.E. No 118471
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
TBPE FIRM No. 13734

DATE:	01.31.22
DWG. BY: MS	CHK. BY: HFN
SCALE:	NTS
DWG. #:	EWS022
SHEET	2 OF 8



D.L.O. HEIGHT =PANEL HEIGHT - 5.625"

D.L.O. WIDTH =PANEL WIDTH - 6.25"

ELEVATION

IN-SWING/OUT-SWING UNIT

NOTE:
PANELS SHOWN ARE BASED ON TESTING, OTHER APPROVED CONFIGURATIONS ARE AS FOLLOWS:
1 PANEL - 1L, 1R
2 PANEL - 2L, 2R, 1L 1R
3 PANEL - 3L, 3R, 2L 1R, 1L 2R
4 PANEL - 4L, 4R, 3L 1R, 1L 3R, 2L 24
5 PANEL - 5L, 5R, 4L 1R, 1L 4R, 3L 2R, 2L 3R
6 PANEL - 6L, 6R, 5L 1R, 1L 5R 4L 2R, 2L 4R, 3L 3R
7 PANEL - 7L, 7R, 6L 1R, 1L 6R, 5L 2R,2L 5R,4L 3R,3L 4R
8 PANEL - 8L, 8R, 7L 1R,1L 7R, 6L 2R, 2L 6R, 5L 3R, 3L 5R, 4L 4R
9 PANEL - 9L, 9R, 8L 1R,1L 8R, 7L 2R, 2L 7R, 6L 3R, 3L 6R, 5L 4R, 4L 5R

FOR DOOR WITH GLASS TYPE 1 & 2, OVERALL FRAME AREA SHALL NOT EXCEED 415 FT² (1.5 X TESTED FRAME AREA).
FOR DOOR WITH GLASS TYPE 3, 4, 5, 6, 7, 8, 9, & 10, OVERALL FRAME AREA SHALL NOT EXCEED 334 FT² (1.5 X TESTED FRAME AREA).

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TITLE: *EURO-C3 BIFOLD ALUMINUM DOOR SYSTEM (IMPACT)*
ELEVATIONS

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REMARKS	BY	DATE

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DATE: 01.31.22
DWG. BY: MS
CHK. BY: HFN
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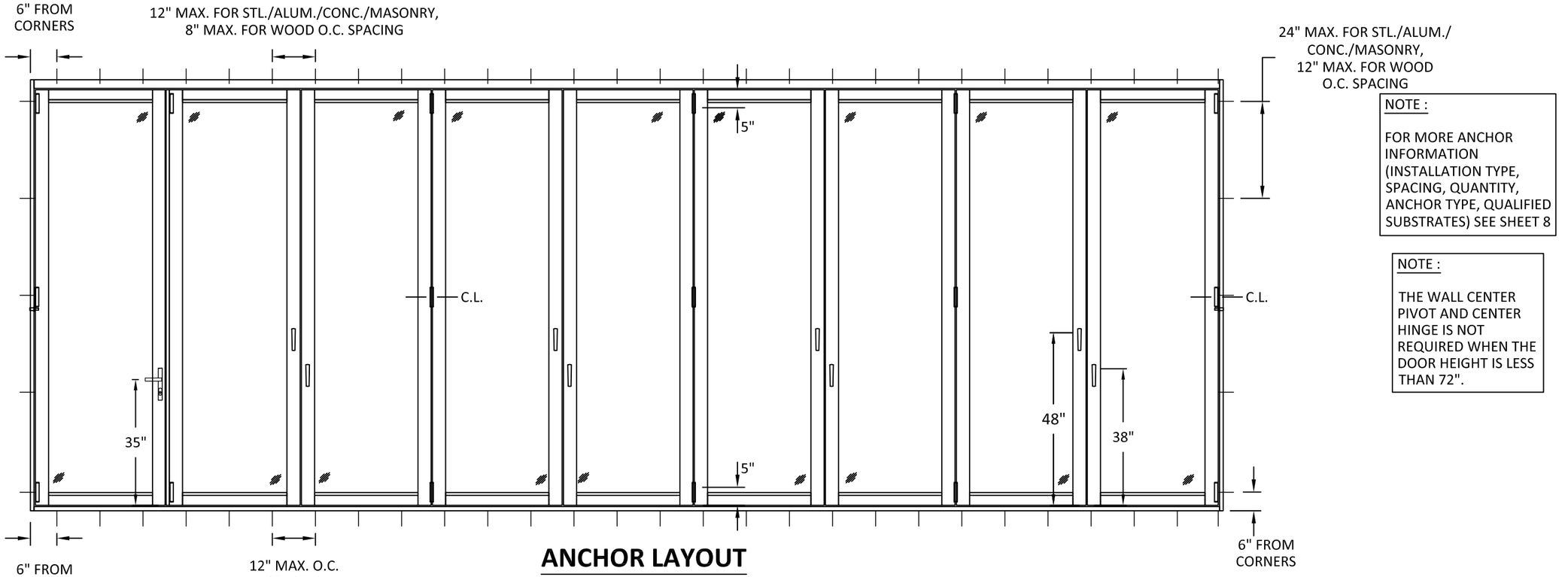
SHEET 3 OF 8



ANCHOR LAYOUT

THROUGH FRAME

NOTE :

FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING, QUANTITY, ANCHOR TYPE, QUALIFIED SUBSTRATES) SEE SHEET 8

NOTE :

THE WALL CENTER PIVOT AND CENTER HINGE IS NOT REQUIRED WHEN THE DOOR HEIGHT IS LESS THAN 72".

G1/G2 DESIGN PRESSURE TABLE (+/- PSF) FOR IN-SWING DOOR

PANEL HEIGHT (INCHES) \ NOMINAL PANEL WIDTH (INCHES)	20.0	24.0	28.0	32.0	36.0	40.0	44.0	48.0	52.0
96.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0
102.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	-
108.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	-	-
114.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	-	-
120.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+58.6/-63.5	-	-	-
126.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+55.6/-60.2	+50.4/-54.6	-	-	-
132.0	+60.0/-65.0	+60.0/-65.0	+60.0/-65.0	+53.9/-58.4	+48.2/-52.2	-	-	-	-
138.0	+60.0/-65.0	+60.0/-65.0	+53.5/-58.0	+47.1/-51.0	+42.1/-45.6	-	-	-	-
144.0	+60.0/-65.0	+54.7/-59.2	+47.0/-51.0	+41.4/-44.8	-	-	-	-	-
150.0	+57.8/-62.6	+48.3/-52.3	+41.6/-45.0	+36.5/-39.6	-	-	-	-	-
156.0	+51.4/-55.6	+42.9/-46.5	+36.9/-40.0	+32.4/-35.1	-	-	-	-	-
162.0	+45.8/-49.7	+38.3/-41.5	+32.9/-35.7	-	-	-	-	-	-
168.0	+41.1/-44.5	+34.3/-37.2	+29.5/-32.0	-	-	-	-	-	-

NOTE : APPLIES TO RADIUSED AND SEGMENTED INSTALLATIONS.

G1/G2 DESIGN PRESSURE TABLE (+/- PSF) FOR OUT-SWING DOOR

PANEL HEIGHT (INCHES) \ NOMINAL PANEL WIDTH (INCHES)	20.0	24.0	28.0	32.0	36.0	40.0	44.0	48.0	52.0
96.0	+/-100.0	+/-100.0	+/-100.0	+/-100.0	+/-100.0	+/-75.0	+/-65.0	+/-65.0	+/-65.0
102.0	+/-100.0	+/-100.0	+/-100.0	+/-98.7	+/-88.6	+/-75.0	+/-65.0	+/-65.0	-
108.0	+/-100.0	+/-100.0	+/-93.8	+/-82.8	+/-75.0	+/-65.0	+/-65.0	-	-
114.0	+/-100.0	+/-92.2	+/-79.5	+/-75.0	+/-75.0	+/-65.0	+61.2/-65.0	-	-
120.0	+/-94.2	+/-78.9	+/-75.0	+/-75.0	+64.6/-65.0	+58.6/-63.5	-	-	-
126.0	+/-81.3	+/-75.0	+/-74.4	+/-65.5	+55.6/-60.2	+50.4/-54.6	-	-	-
132.0	+/-75.0	+/-75.0	+64.6/-65.0	+53.9/-58.4	+48.2/-52.2	-	-	-	-
138.0	+/-75.0	+/-65.6	+56.5/-58.0	+47.1/-51.0	+42.1/-45.6	-	-	-	-
144.0	+/-69.0	+57.7/-59.2	+49.6/-51.0	+41.4/-44.8	-	-	-	-	-
150.0	+61.0/-62.6	+51.0/-52.3	+43.8/-45.0	+36.5/-39.6	-	-	-	-	-
156.0	+54.2/-55.6	+45.3/-46.5	+36.9/-40.0	+32.4/-35.1	-	-	-	-	-
162.0	+48.3/-49.7	+40.4/-41.5	+32.9/-35.7	-	-	-	-	-	-
168.0	+43.3/-44.5	+36.2/-37.2	+29.5/-32.0	-	-	-	-	-	-

NOTE : APPLIES TO RADIUSED AND SEGMENTED INSTALLATIONS.

G3/G4/G5/G6/G7/G8/G9/G10 DESIGN PRESSURE TABLE (+/- PSF)

PANEL HEIGHT (INCHES) \ NOMINAL PANEL WIDTH (INCHES)	20.0	24.0	28.0	32.0	36.0	40.0	44.0	48.0	52.0
96.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0
102.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	-
108.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	-
114.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	-	-
120.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	-	-	-
126.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	-	-	-
132.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	-	-	-	-
138.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	-	-	-	-
144.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	+/-65.0	-	-	-	-
150.0	+/-65.0	+/-65.0	+/-65.0	+/-64.3	-	-	-	-	-
156.0	+/-65.0	+/-65.0	+/-64.9	+/-57.0	-	-	-	-	-
162.0	+/-65.0	+/-65.0	+/-57.9	+/-50.9	-	-	-	-	-
168.0	+/-65.0	+/-60.4	+/-51.9	-	-	-	-	-	-

NOTE : APPLIES TO RADIUSED AND SEGMENTED INSTALLATIONS.

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PH: (888) 989-3876

TITLE: *EURO-C3 BIFOLD ALUMINUM DOOR SYSTEM (IMPACT)*

ANCHOR LAYOUTS AND DESIGN PRESSURE TABLE

PREPARED BY:
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TBPE FIRM No. 13734

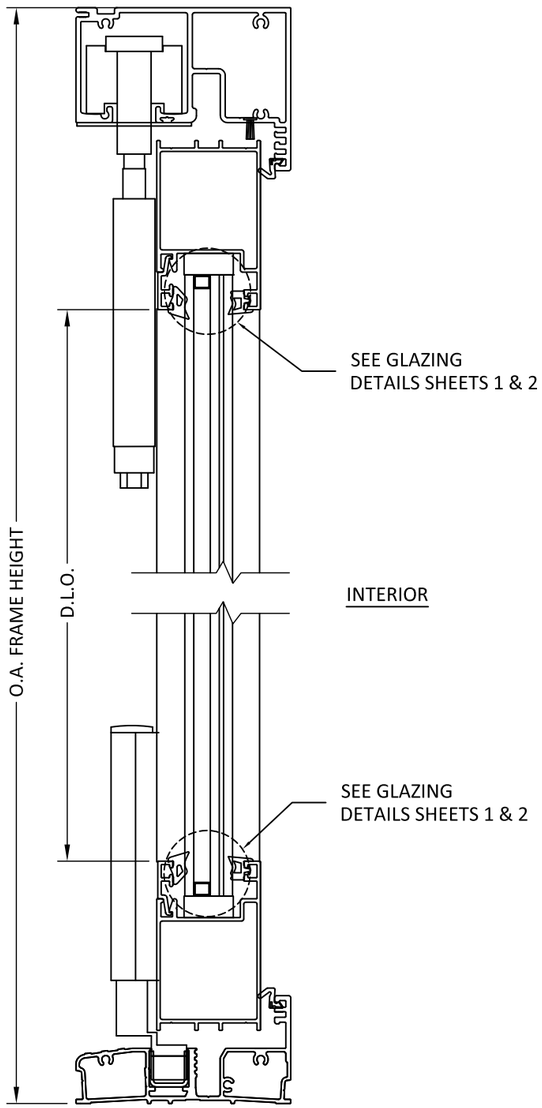
DATE: 01.31.22

DWG. BY: MS | CHK. BY: HFN

SCALE: NTS

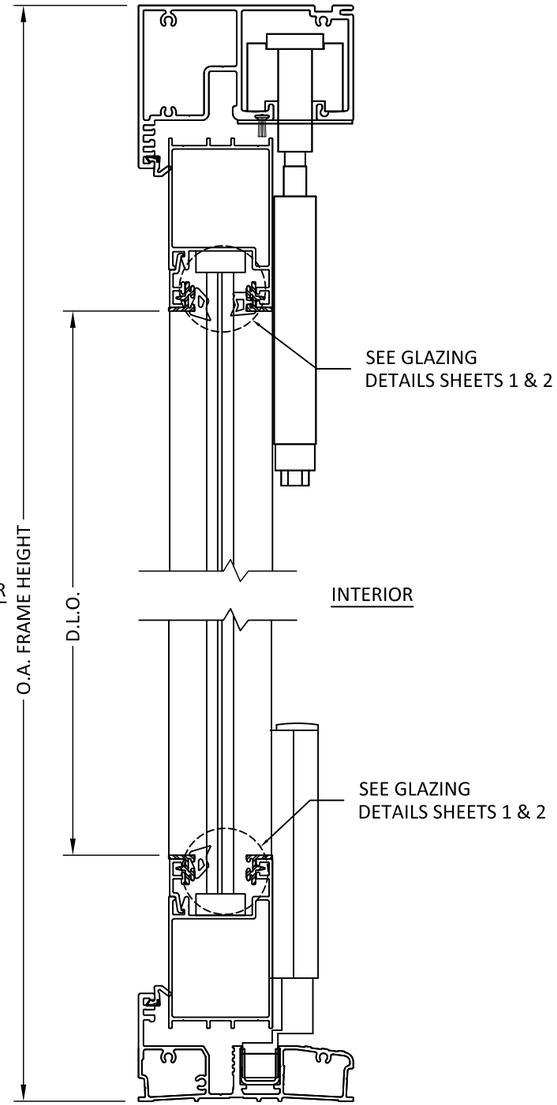
DWG. #: EWS022

SHEET 4 OF 8



A/5 VERTICAL SECTION

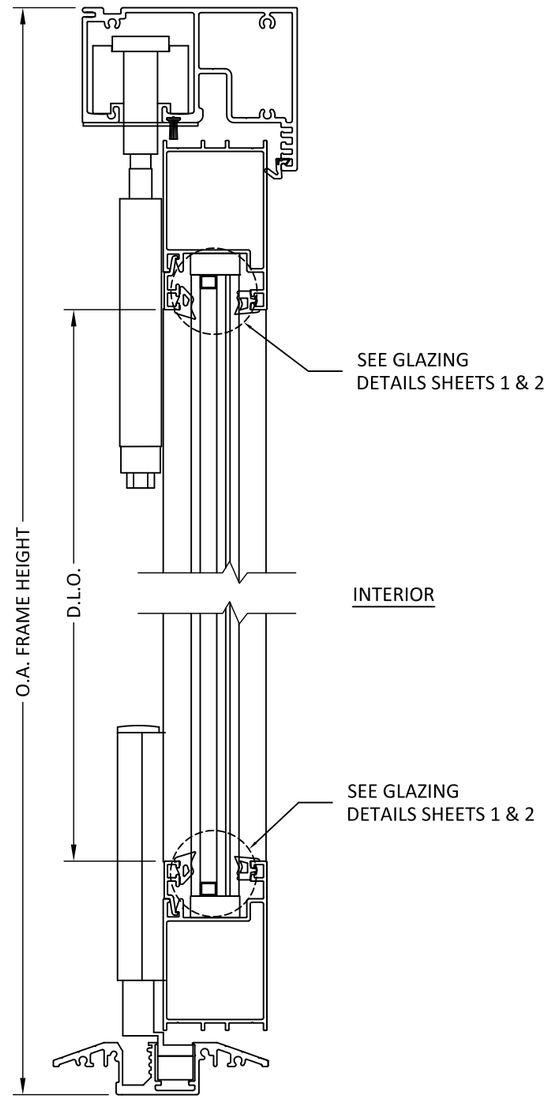
HEAD AND STANDARD SILL OUT-SWING DOOR



B/5 VERTICAL SECTION

HEAD AND STANDARD SILL DETAIL IN-SWING DOOR

NOTE:
SILL NOT APPROVED FOR WATER PENETRATION.



C/5 VERTICAL SECTION

HEAD AND ADA SILL DETAIL OUT-SWING DOOR

NOTE:
SILL NOT APPROVED FOR WATER PENETRATION.

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VERTICAL SECTIONS

PREPARED BY:
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TBPE FIRM No. 13734

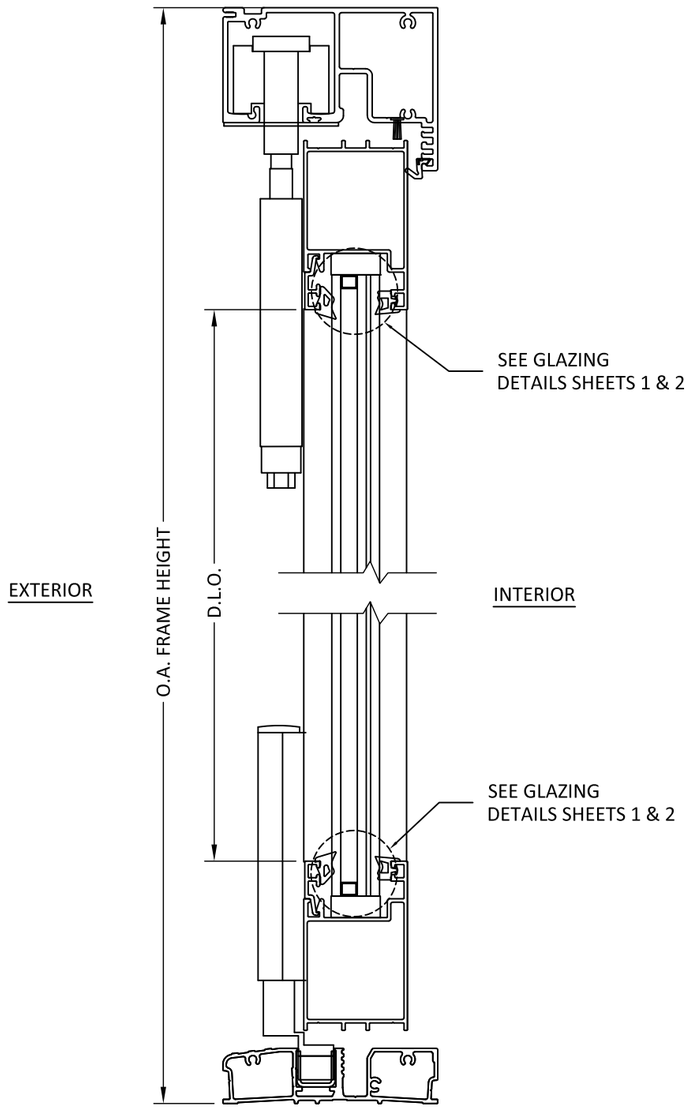
DATE: 01.31.22

DWG. BY: MS | CHK. BY: HFN

SCALE: NTS

DWG. #: EWS022

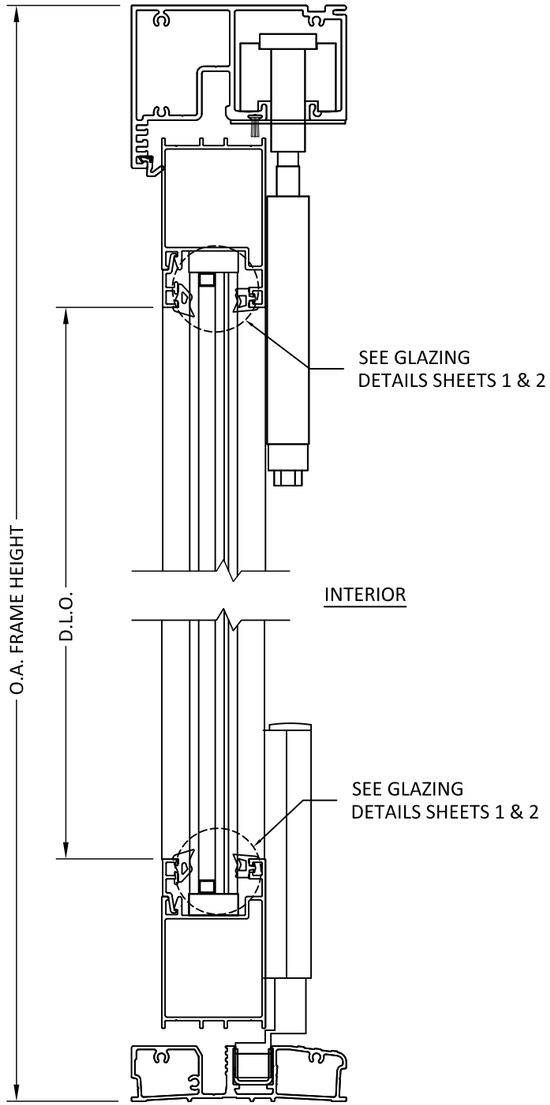
SHEET 5 OF 8



A/6 VERTICAL SECTION

HEAD AND MODIFIED SILL OUT-SWING DOOR

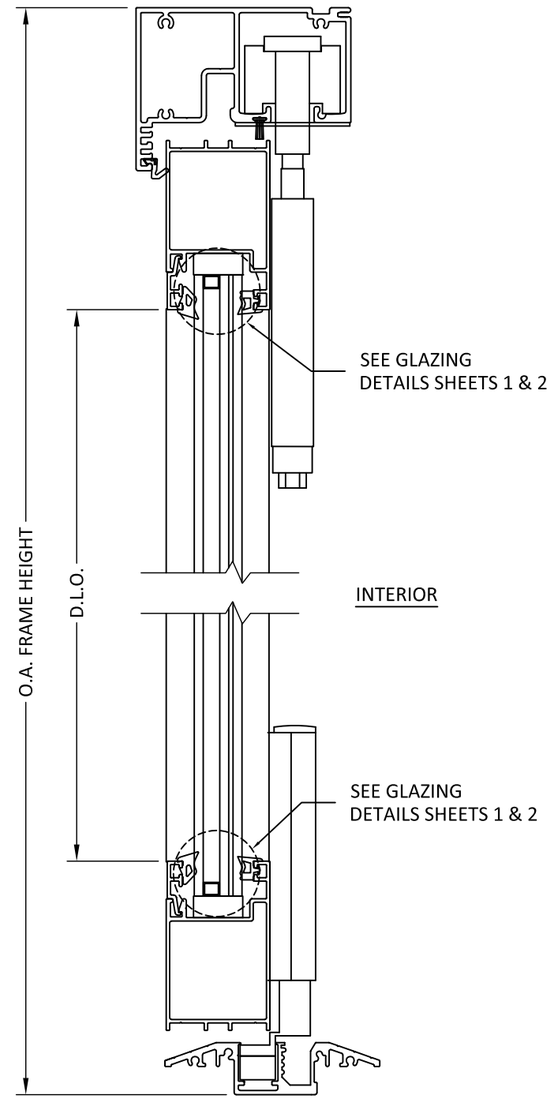
NOTE:
SILL NOT APPROVED FOR
WATER PENETRATION.



B/6 VERTICAL SECTION

HEAD AND MODIFIED SILL DETAIL IN-SWING DOOR

NOTE:
SILL NOT APPROVED FOR
WATER PENETRATION.



C/6 VERTICAL SECTION

HEAD AND ADA SILL DETAIL IN-SWING DOOR

NOTE:
SILL NOT APPROVED FOR
WATER PENETRATION.

euro-wall
SUPERIOR BY DESIGN

EURO-WALL SYSTEMS, LLC
2200 MURPHY COURT
NORTH PORT, FL 34289
PH: (888) 989-3876

TITLE: *EURO-C3 BIFOLD ALUMINUM DOOR SYSTEM (IMPACT)*

VERTICAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

HERMES F. NORERO, P.E.
TEXAS P.E. No 118471
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
TBPE FIRM No. 13734

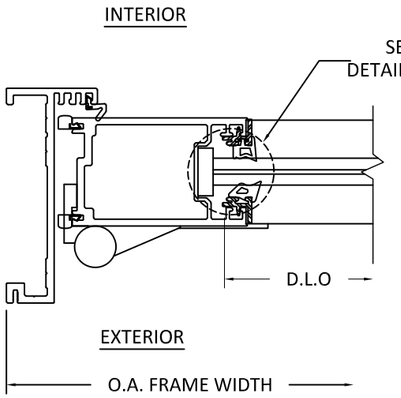
DATE: 01.31.22

DWG. BY: MS | CHK. BY: HFN

SCALE: NTS

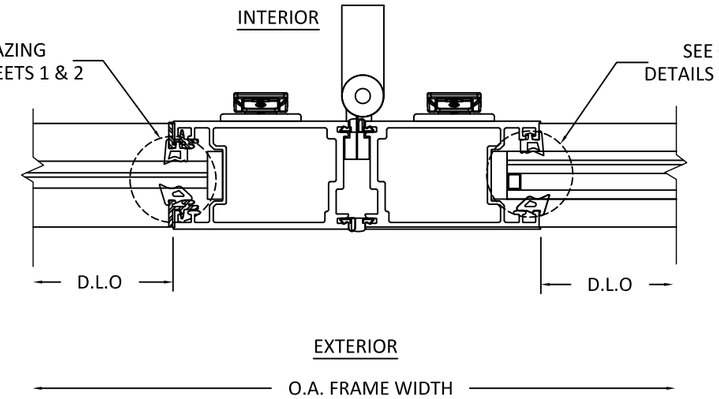
DWG. #: EWS022

SHEET 6 OF 8



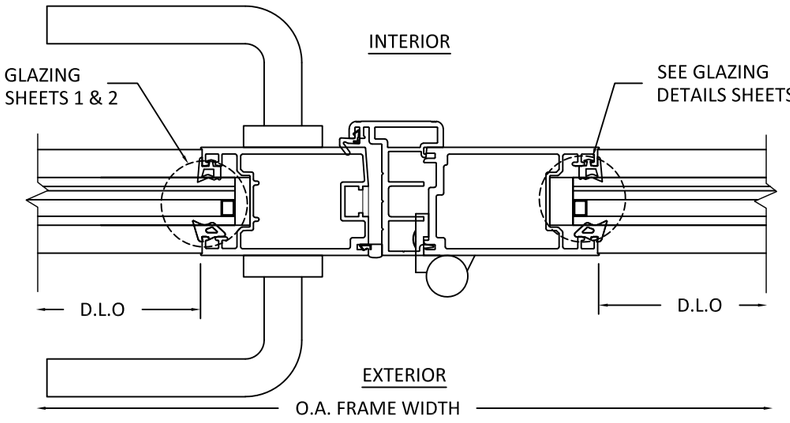
A/7 HORIZONTAL SECTION

JAMB DETAIL/ OUT-SWING



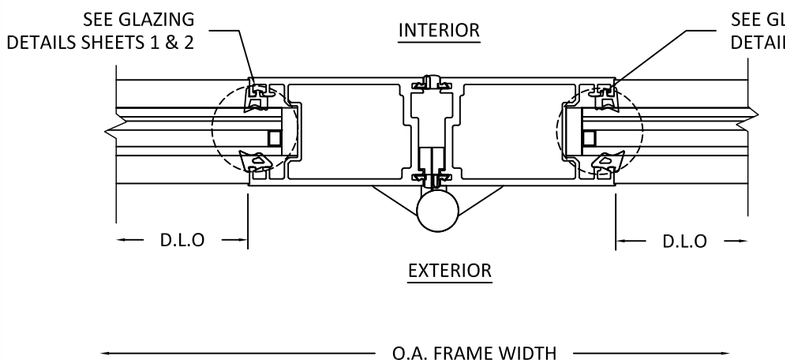
B/7 HORIZONTAL SECTION

PANEL TO PANEL DETAIL/ OUT-SWING



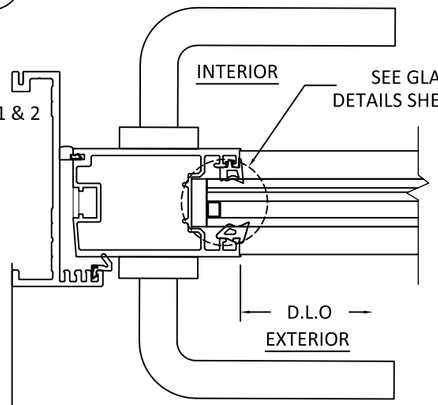
C/7 HORIZONTAL SECTION

DOOR HANDLE DETAIL/ OUT-SWING



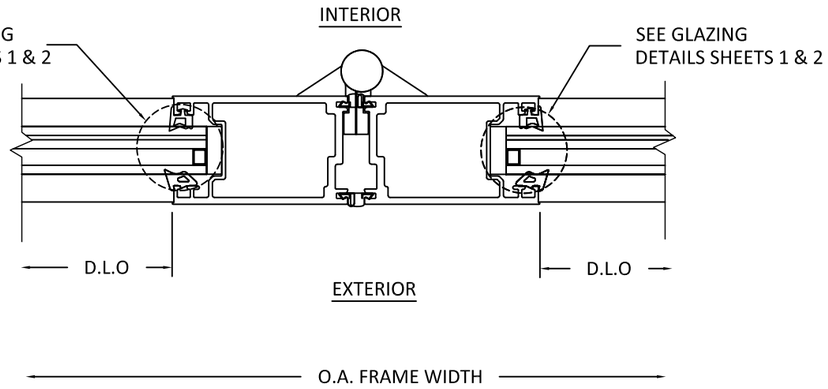
D/7 HORIZONTAL SECTION

PANEL TO PANEL DETAIL/ OUT-SWING



E/7 HORIZONTAL SECTION

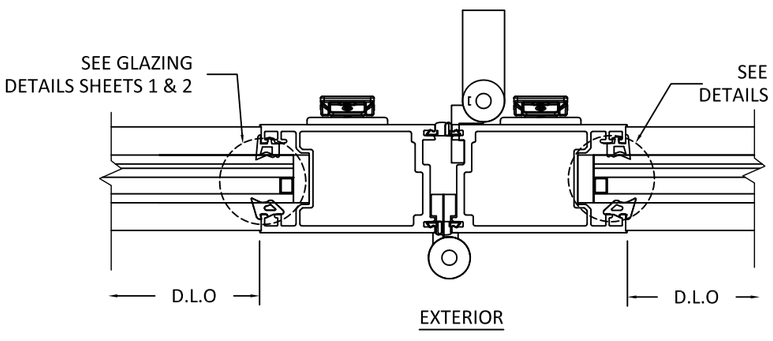
JAMB DETAIL WITH HANDLE/ IN-SWING



F/7 HORIZONTAL SECTION

PANEL TO PANEL DETAIL/ IN-SWING

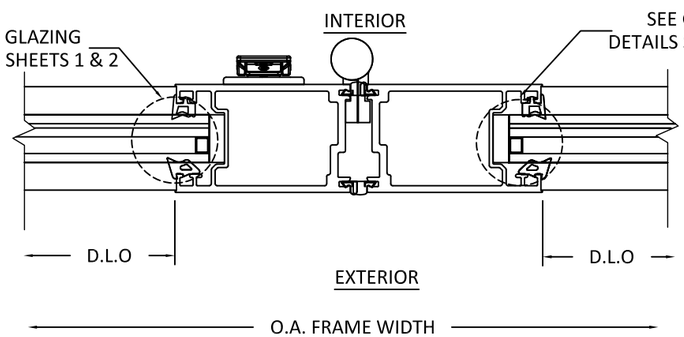
INTERIOR



G/7 HORIZONTAL SECTION

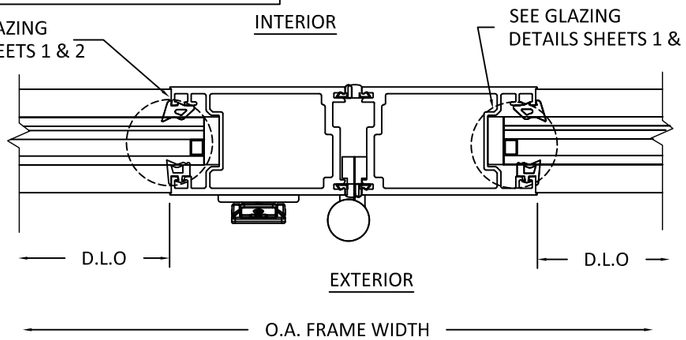
PANEL TO PANEL DETAIL/ IN-SWING

NOTE: DETAIL H/7 & I/7 ARE APPLICABLE FOR CONFIGURATIONS LISTED ON SHEET 3 WHEN PANELS DO NOT EXCEED 30 FT²



H/7 HORIZONTAL SECTION

PANEL TO PANEL DETAIL/ OUT-SWING



I/7 HORIZONTAL SECTION

PANEL TO PANEL DETAIL/ IN-SWING

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HORIZONTAL SECTIONS

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THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

HERMES F. NORERO, P.E.
TEXAS P.E. No 118471
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398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
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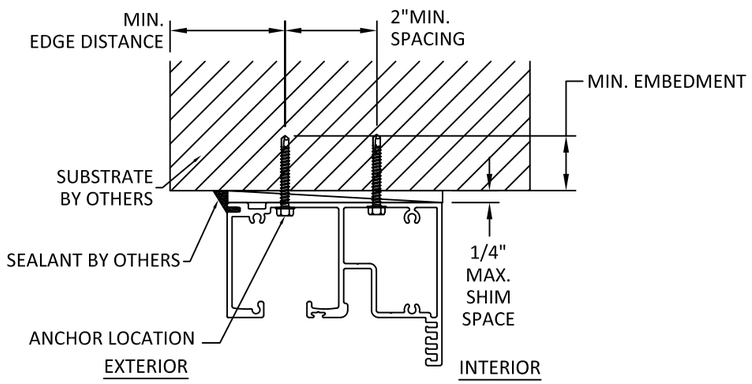
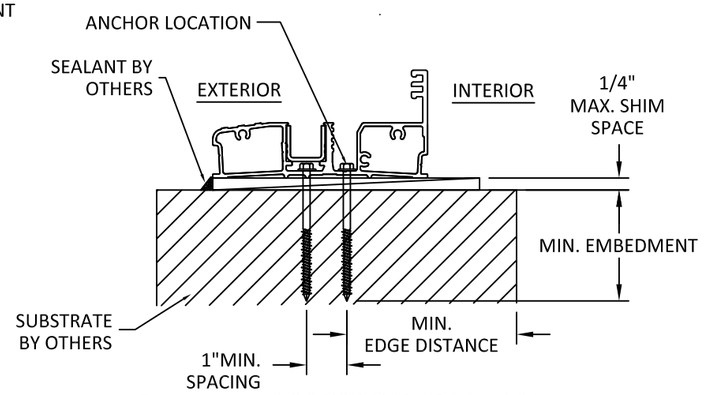
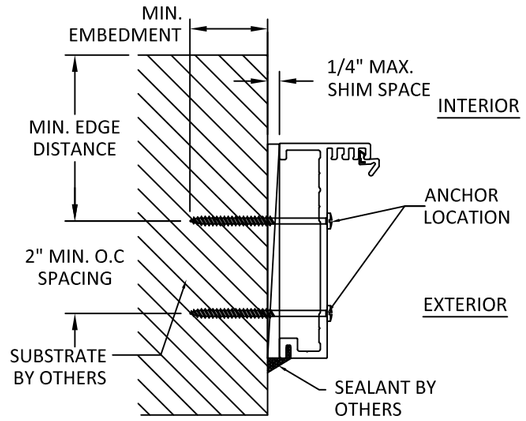
SHEET	7 OF 8



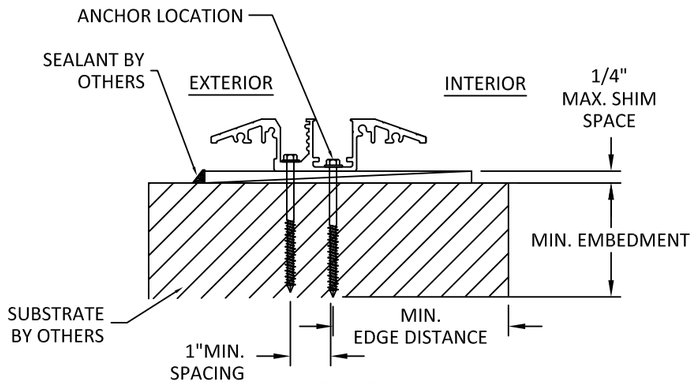
A/8 ANCHOR DETAIL
HEAD - THROUGH FRAME



B/8 ANCHOR DETAIL
STANDARD OR MODIFIED SILL - THROUGH FRAME
INSWING/OUTSWING



C/8 ANCHOR DETAIL
JAMBS - THROUGH FRAME



D/8 ANCHOR DETAIL
ADA SILL - THROUGH FRAME

INSTALLATION NOTES:

1. TWO (2) INSTALLATION ANCHORS REQUIRED AT EACH LOCATION SHOWN.
2. OPTIONAL 1X AND 2X WOOD STUDS FOR CONCRETE/CMU INSTALLATION.
3. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
4. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
5. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
9. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

ANCHOR SCHEDULE

INSTALLATION TYPE	QTY PER LOCATION	SUBSTRATE	ANCHOR TYPE	EMBEDMENT (IN.)	EDGE DISTANCE (IN.)
THRU FRAME	2	WOOD (MIN. S.G. = 0.42)	#14 WOOD SCREW	1.5	0.75
	2	CONCRETE (MIN. F'C = 2,000 psi)	1/4" ITW TAPCON	1.75	2.5
		CMU (PER ASTM C90)			3.25
	2	METAL STUD (STEEL MIN. 18GA, Fy = 33ksi)	1/4" SMS OR SELF DRILLING SCREW	3 THREADS PENETRATION BEYOND METAL WALL	0.5
		ALUMINUM MIN 1/8", 6063-T5			

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