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EURO-WALL SYSTEM, LLC

FIXED WINDOW
(IMPACT) (HVHZ)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/16 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. **THROUGH FRAME :** FOR INSTALLATION INTO 2X WOOD BUCK OR FRAMING, USE ONE #10 WOOD SCREW, TYPE INSTALLATION ANCHOR PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM 1 1/2" EMBEDMENT.
5. **THROUGH FRAME :** FOR INSTALLATION INTO METAL STUD, USE ONE #10 SELF-DRILLING SCREW, TYPE INSTALLATION ANCHOR PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM PENETRATION OF 3 THREADS BEYOND METAL STRUCTURE.
6. **THROUGH FRAME :** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16" ITW TAPCONS OR 3/16" ELCO ULTRACONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
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.
10. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
    A. STEEL - MIN. TENSILE YIELD STRENGTH OF 33 KSI. MIN. 18 GAUGE THICKNESS (0.0478").
    B. WOOD - MINIMUM SPECIFIC GRAVITY = 0.42.
    C. ALUMINUM - MIN. 6063-T5, MIN 1/8" WALL THICKNESS.
    D. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
    E. GROUT-FILLED CUM- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AN GROUT CONFORMS TO ASTM C-476 MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE, INCLUDING HVHZ, AND HAS BEEN EVALUATED TO THE FOLLOWING:
    - TAS 201-94
    - TAS 202-94
    - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL 2X WOOD FRAMING OR 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. 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 IN NON-HVHZ AREA.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NIT 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 THE USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. GLAZING COMPLIES WITH LOAD RESISTANCE REQUIREMENTS PER ASTM E1300.
7. WINDOW FRAME MATERIAL: 6063-T6 ALUMINUM
8. DESIGNATION "X" AND "O" STAND FOR THE FOLLOWING
   X: OPERABLE PANEL
   O: FIXED PANEL

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1	-	INSTALLATION & GENERAL NOTES
2	-	ELEVATIONS & ANCHOR LAYOUT SINGLE UNIT
3	-	ELEVATIONS MULLED UNIT
4	-	ANCHOR LAYOUT MULLED UNIT
5	-	VERTICAL SECTIONS
6	-	HORIZONTAL SECTIONS
7	-	MULLION DESIGN PRESSURE TABLE
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9	-	GLAZING DETAILS

DESIGN PRESSURE TABLE		IMPACT RATED
SINGLE UNIT	SEE SHEET 2	LMI & SMI RATED
MULLED UNIT	SEE SHEETS 8-9	

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FOLDING | SLIDING | STACKING | PIVOT

EURO-WALL SYSTEMS, LLC
24100 TISEO BOULEVARD
PORT CHARLOTTE, FL 33980
PH: 888-989-3876

TITLE: FIXED WINDOW (IMPACT) (HVHZ)
INSTALLATIONS & GENERAL NOTES

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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FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL31965

DATE: 03.30.2020

DWG. BY: YC | CHK. BY: HFN

SCALE: NTS

DWG. #: EWS014

SHEET: 1 OF 9

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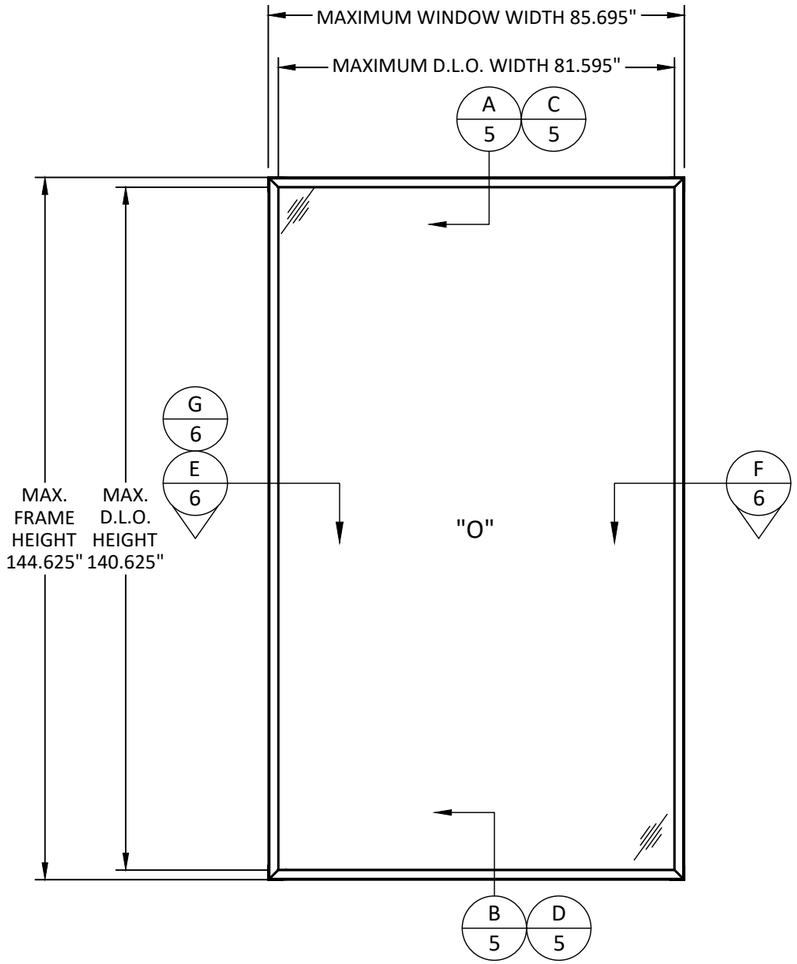
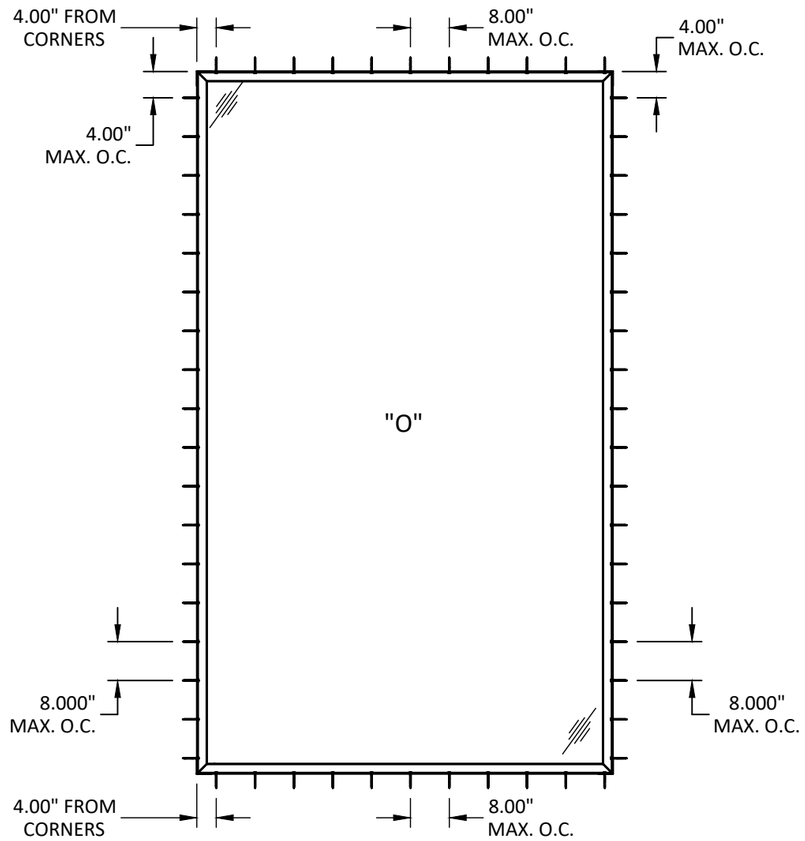


ELEVATION

SINGLE UNIT



ANCHOR LAYOUT

THROUGH FRAME INSTALLATION

DESIGN PRESSURE TABLE (PSF)

FIXED WINDOW HEIGHT (INCHES) \ FIXED WINDOW WIDTH (INCHES)	52	56	60	64	68	72	76	80	85	88	92	96	100	104
68	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
74	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
80	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
86	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
92	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
98	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
104	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
110	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
116	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
122	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-
128	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-
134	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-	-	-
140	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-	-	-
145	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-	-	-	-

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EURO-WALL SYSTEMS, LLC
24100 TISEO BOULEVARD
PORT CHARLOTTE, FL 33980
PH: 888-989-3876

TITLE: FIXED WINDOW (IMPACT) (HVHZ)
ELEVATIONS & ANCHOR LAYOUT (SINGLE UNIT)

PREPARED BY: BUILDING DROPS, INC.
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REMARKS	BY	DATE

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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL31965

DATE: 03.30.2020

DWG. BY: YC | CHK. BY: HFN

SCALE: NTS

DWG. #: EWS014

SHEET: 2 OF 9

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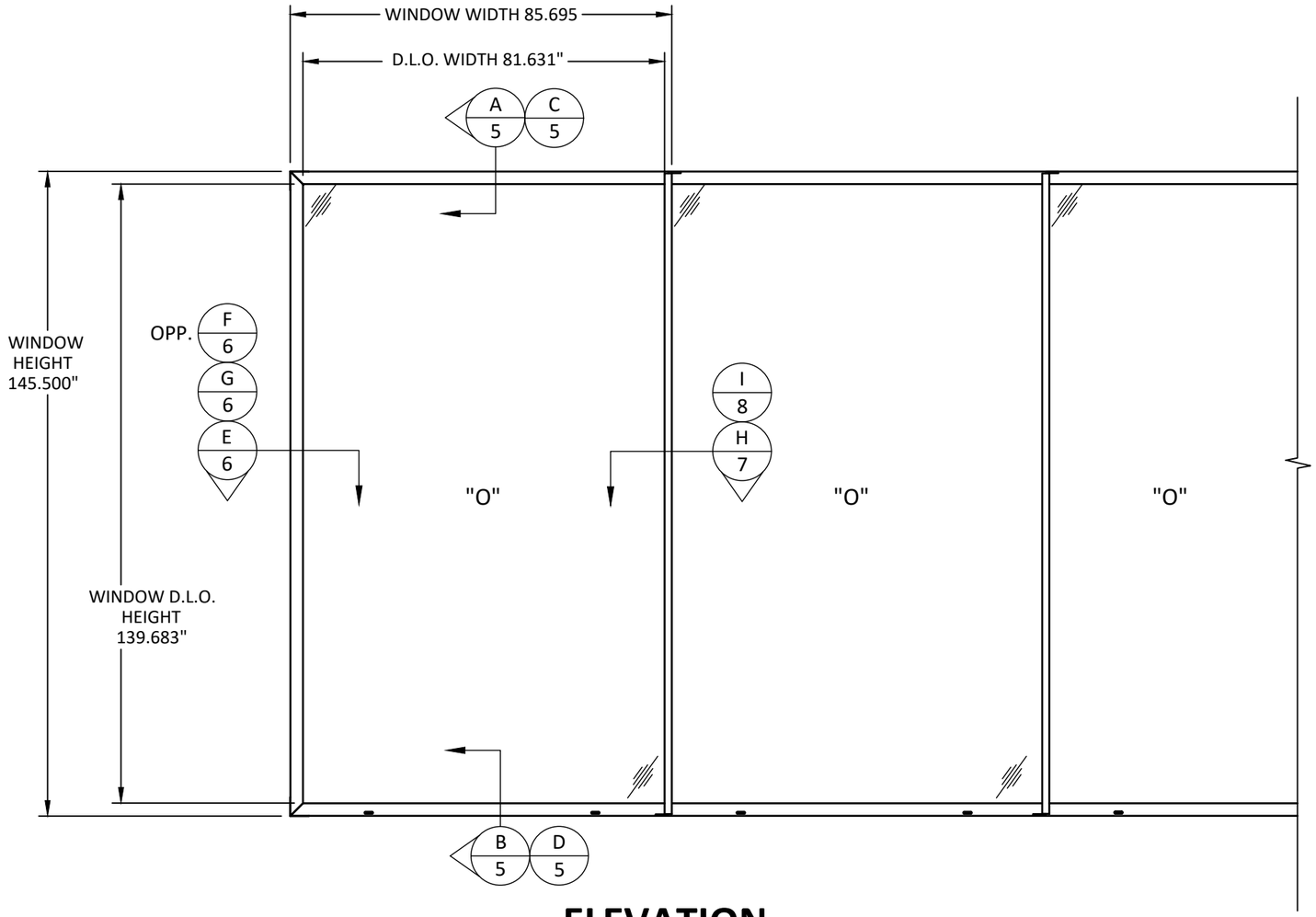

ELEVATION

MULLED UNIT

DESIGN PRESSURE RATING
SEE PAGE 8-9 FOR DESIGN PRESSURE RATING

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EURO-WALL SYSTEMS, LLC
24100 TISEO BOULEVARD
PORT CHARLOTTE, FL 33980
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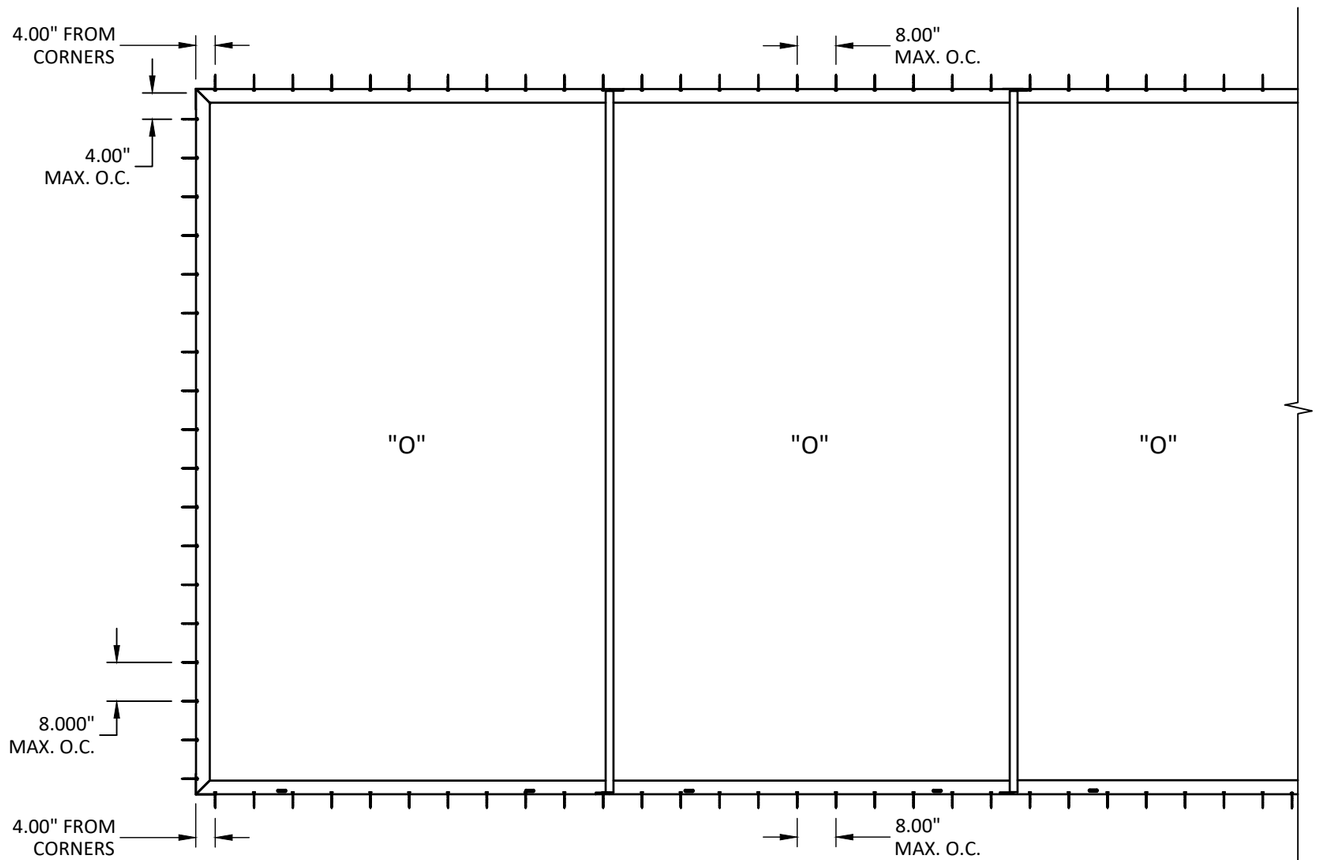

ANCHOR LAYOUT

THROUGH FRAME INSTALLATION

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EURO-WALL SYSTEMS, LLC
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TITLE: FIXED WINDOW (IMPACT) (HVHZ)
ANCHOR LAYOUT (MULLED UNIT)

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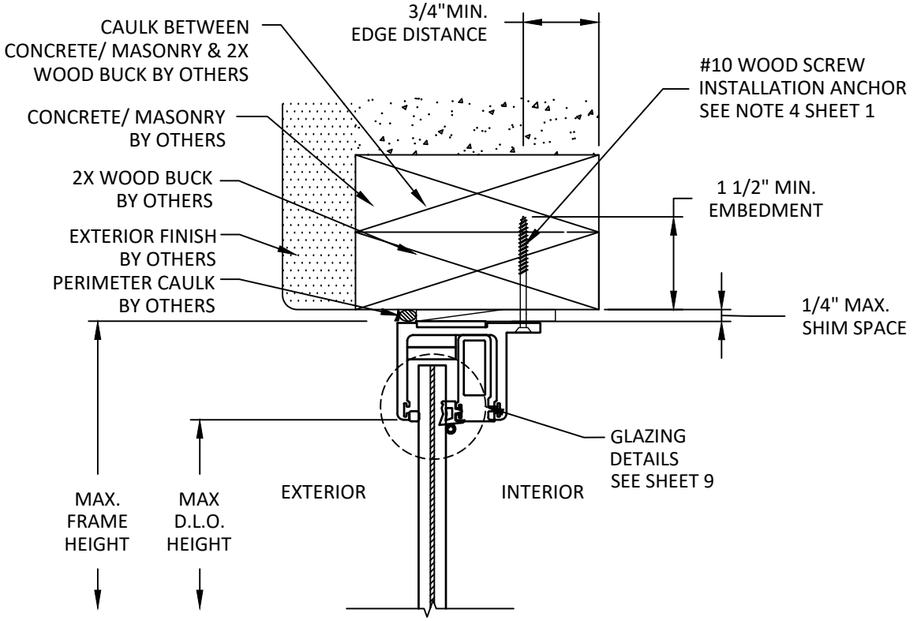
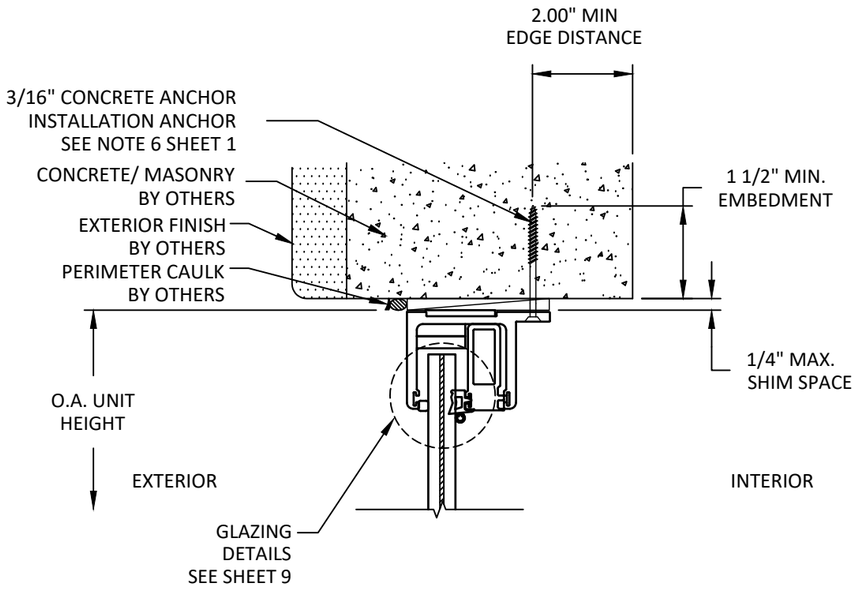
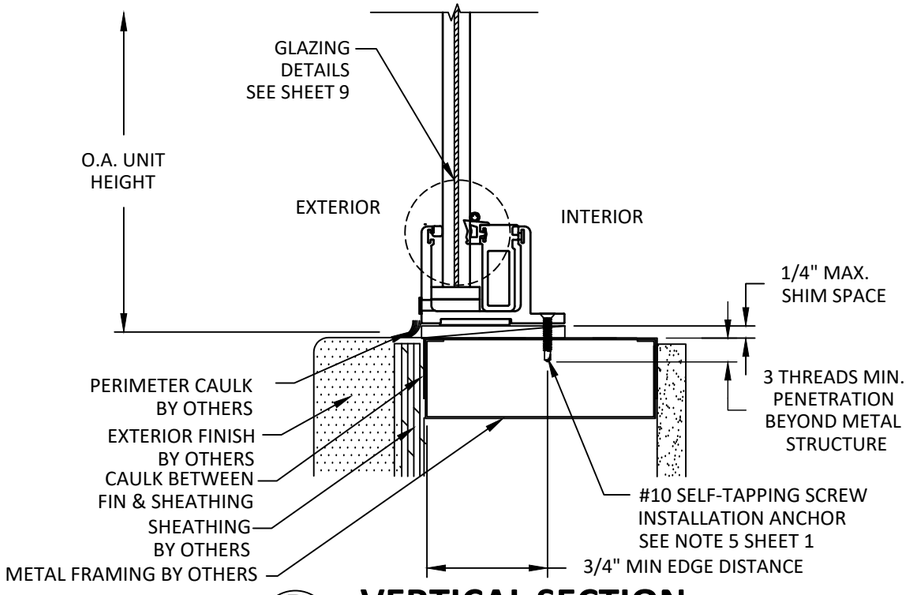


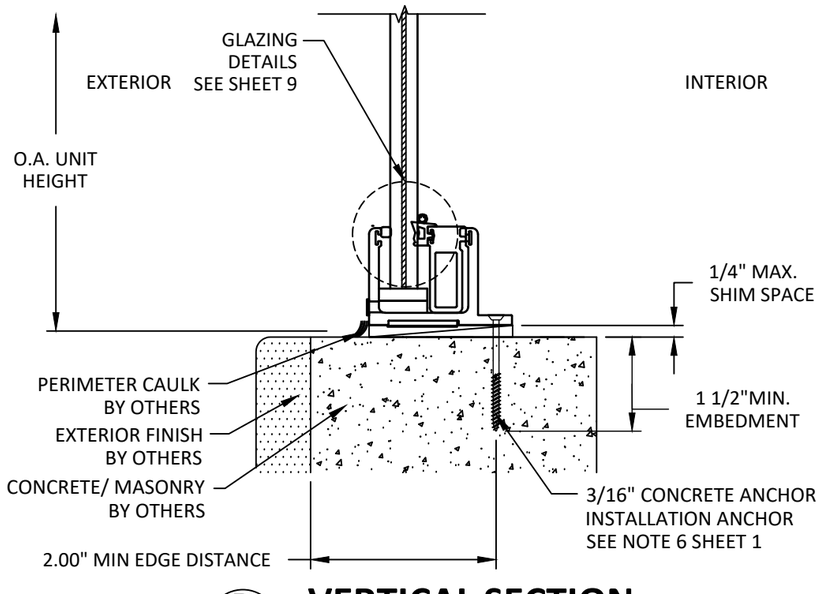
A/5 VERTICAL SECTION
HEAD - 2X WOOD BUCK
THROUGH FRAME INSTALLATION



C/5 VERTICAL SECTION
HEAD - CONCRETE OR CMU
THROUGH FRAME INSTALLATION



B/5 VERTICAL SECTION
SILL - METAL STUD
THROUGH FRAME INSTALLATION



D/5 VERTICAL SECTION
SILL - CONCRETE OR CMU
THROUGH FRAME INSTALLATION

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EURO-WALL SYSTEMS, LLC
24100 TISEO BOULEVARD
PORT CHARLOTTE, FL 33980
PH: 888-989-3876

TITLE: FIXED WINDOW (IMPACT) (HVHZ)
VERTICAL SECTIONS

PREPARED BY:
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SHEET: 5 OF 9

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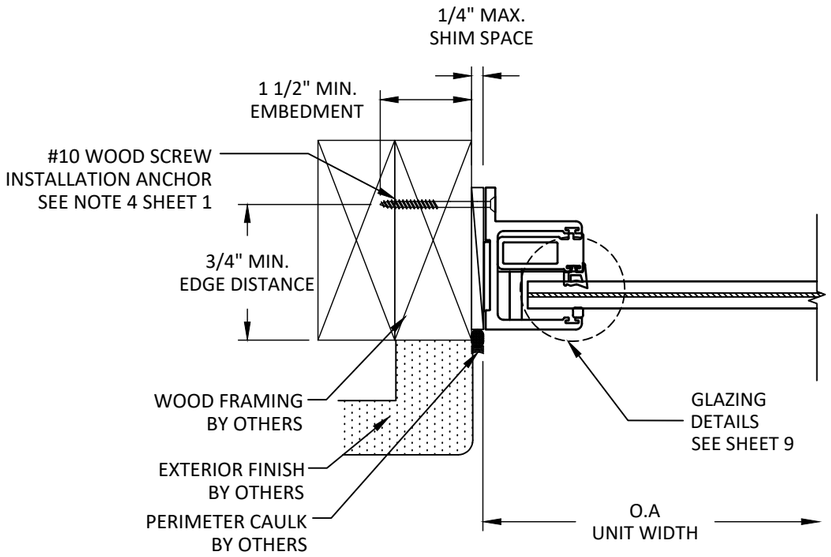
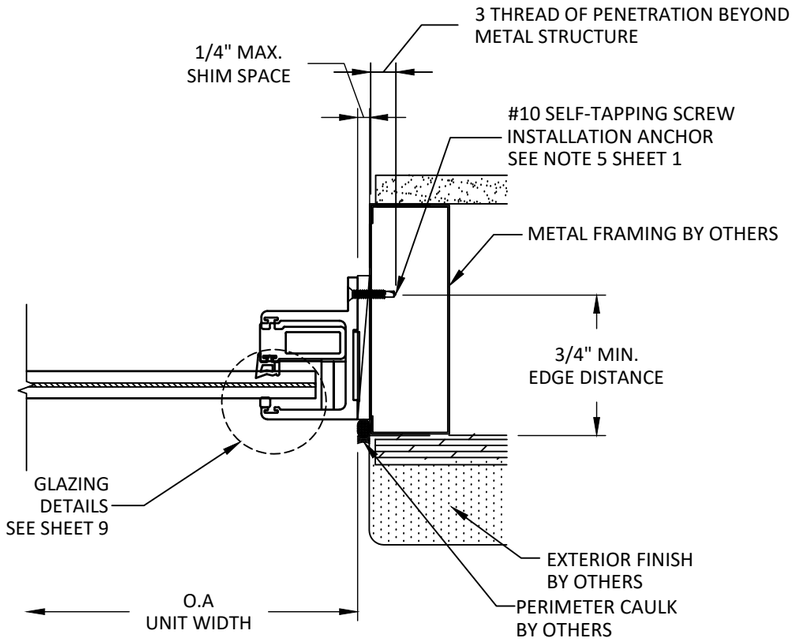


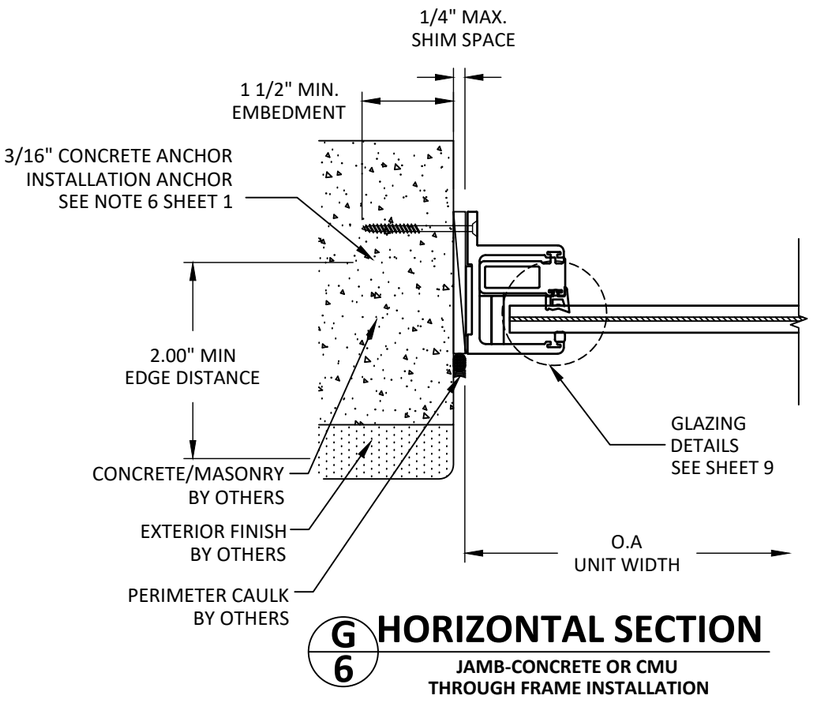
E/6 HORIZONTAL SECTION

JAMB - 2X WOOD FRAME
THROUGH FRAME INSTALLATION



F/6 HORIZONTAL SECTION

METAL STUD
THROUGH FRAME INSTALLATION



G/6 HORIZONTAL SECTION

JAMB-CONCRETE OR CMU
THROUGH FRAME INSTALLATION

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TITLE: FIXED WINDOW (IMPACT) (HVHZ)
HORIZONTAL SECTIONS

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YC	HFN

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SHEET: 6 OF 9

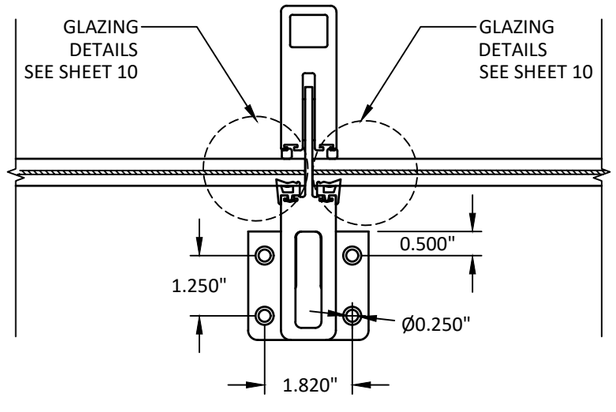
8/19/2020 11:08 AM

DESIGN PRESSURE TABLE (PSF)

MULLION TRIBUTARY WIDTH (INCHES)

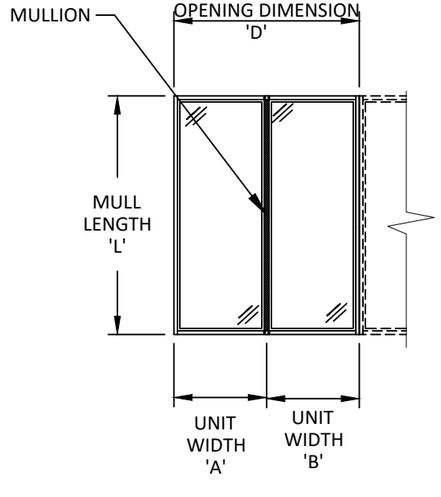
MULLED WINDOW HEIGHT (INCHES)	43	45	47	49	51	53	55	57	59	61	63	65	67	72
72	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
76	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
80	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
84	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
88	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
92	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
96	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
100	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
104	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
108	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-
112	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-
116	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-
120	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-
122	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-

DAYLIGHT OPENING CALCULATIONS:
- HEIGHT D.L.O=FRAME HEIGHT-4.000"
- WIDTH D.L.O=FRAME WIDTH-4.000"



H/7 **HORIZONTAL SECTION**
MULLION BRACKET

TRIBUTARY WIDTH = (A+B)/2



ANCHOR SCHEDULE MULLION CLIP		
SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT
METAL: STEEL18 GAUGE, MIN. Fy = 33KSI	1/4" SELF-DRILLING OR SELF-TAPPING ANCHOR	3 THREADS MIN PENETRATION BEYOND METAL
METAL: ALUMINUM (6063-T5) MIN 1/8" THICKNESS	1/4" SELF-DRILLING OR SELF-TAPPING ANCHOR	3 THREADS MIN PENETRATION BEYOND METAL
CONCRETE: f'c=3000PSI	1/4" ITW TAPCON	1.75"

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EURO-WALL SYSTEMS, LLC
24100 TISEO BOULEVARD
PORT CHARLOTTE, FL 33980
PH: 888-989-3876

TITLE: FIXED WINDOW (IMPACT) (HVHZ)
MULLION BRACKET

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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HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL31965
DATE: 03.30.2020
DWG. BY: YC
CHK. BY: HFN
SCALE: NTS
DWG. #: EWS014
SHEET: 7
OF 9

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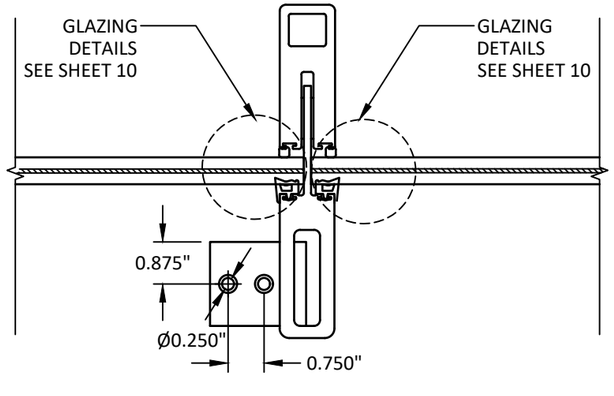
DESIGN PRESSURE TABLE (PSF)

MULLION TRIBUTARY WIDTH (INCHES)

MULLION HEIGHT (INCHES)	57	60	63	66	69	72	75	78	81	84	87	90	93	96
92	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
96	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
100	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
104	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
108	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
112	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
116	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
120	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
124	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
128	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
132	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-
136	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-
140	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-
144	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-

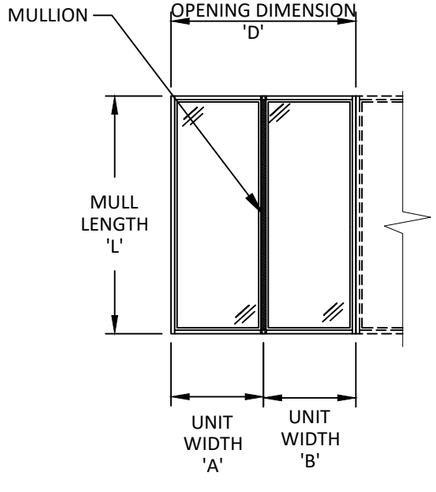
DAYLIGHT OPENING CALCULATIONS:
- HEIGHT D.L.O=FRAME HEIGHT-4.000"
- WIDTH D.L.O=FRAME WIDTH-4.000"



I/8 **HORIZONTAL SECTION**
MULLION BRACKET

D = A + B

TRIBUTARY WIDTH = (A+B)/2



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SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT
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FL #: FL31965

DATE: 03.30.2020

DWG. BY: YC | CHK. BY: HFN

SCALE: NTS

DWG. #: EWS014

SHEET: 8

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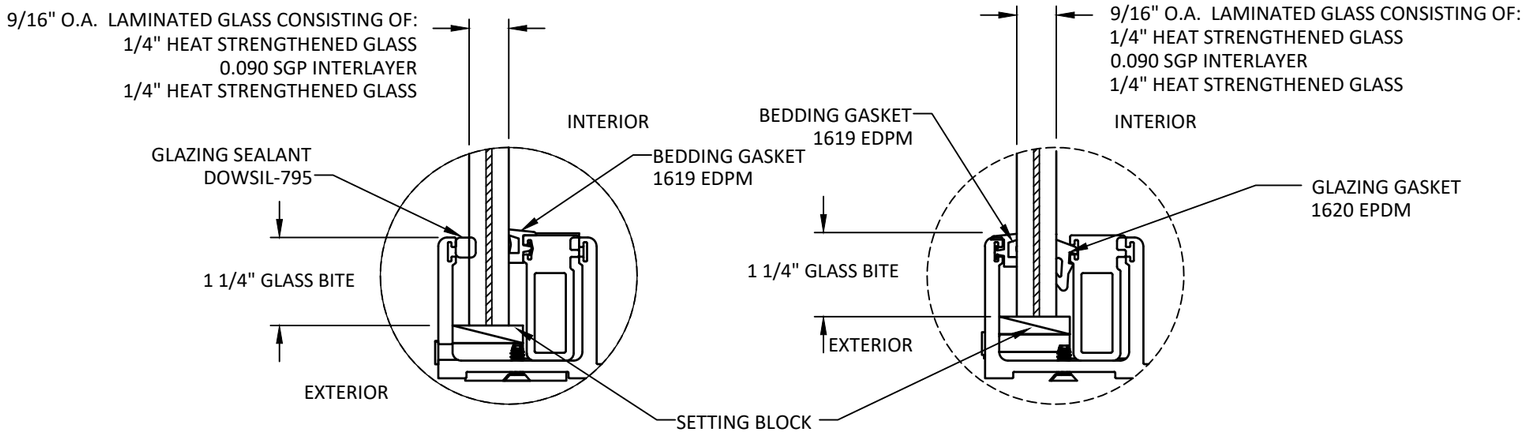
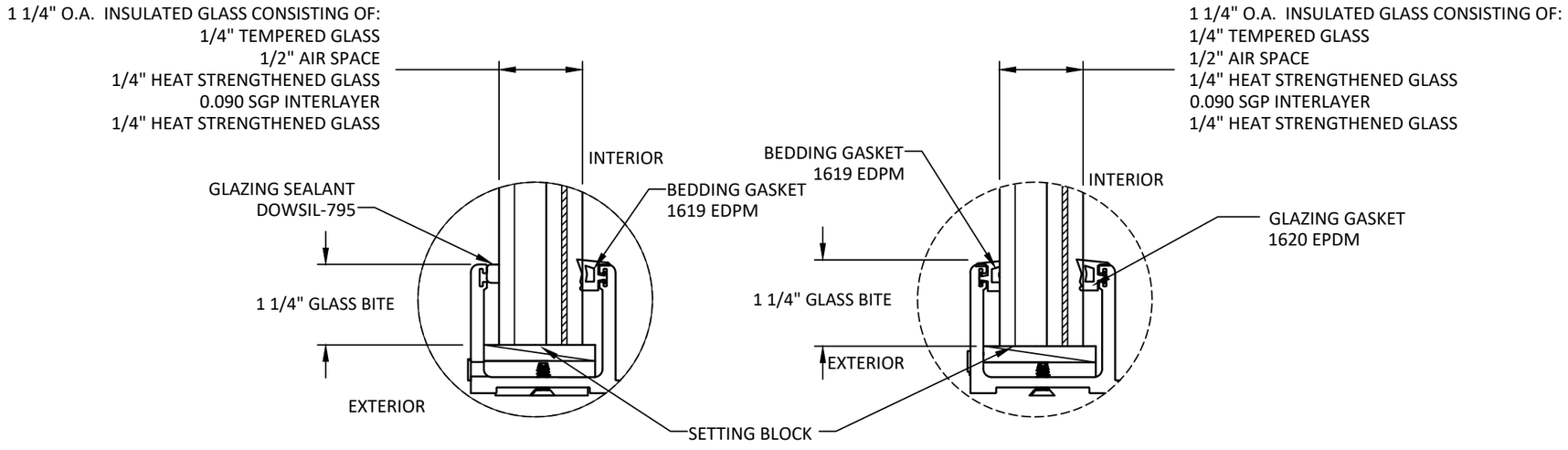


GLAZING DETAIL 1



GLAZING DETAIL 2

NOTE:
1. ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC AND ASTM E 1300 GLASS CHART REQUIREMENTS.
2. SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT FBC.
3. GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT $\frac{1}{4}$ SPAN FROM CORNERS.

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