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INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 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.
- 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.
- FOR INSTALLATION INTO WOOD FRAMING USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION THROUGH METAL STUD USE 1/4 INCH DIAMETER SELF-DRILLING SCREWS, GR. 5 OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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.
- 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.
 - ALUMINUM - MINIMUM 0.067 INCH THICK, 6063-T5 ALUMINUM
- INSTALLATION SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR SEALING WINDOWS AND ACCESSORY ITEMS.

YKK AP America Inc.

YOW 225 TU THERMAL ALUMINUM FIXED WINDOW (NON-HVHZ) (NON-IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING 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.
- 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.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- WINDOW FRAME MATERIAL: ALUMINUM 6063-T5
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 5 FOR GLAZING DETAIL.

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FIXED WINDOW DESIGN PRESSURE TABLE		
MAX. SIZE	MAX. DP	IMPACT RATING
SEE SHEET 2	+/- 100 PSF	NON-IMPACT



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TITLE: YOW 225 TU THERMAL ALUMINUM FIXED WINDOW (NON-HVHZ) (NON-IMPACT)

INSTALLATION & GENERAL NOTES

PREPARED BY: BUILDING DROPS, INC.

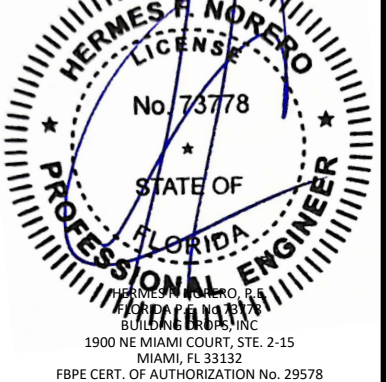
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WEEP HOLE REMOVAL	JA	05.15.18
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Reason: I am approving this document
Date: 2024.02.26 11:28:19 -0500



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DATE: 05.15.18

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CHK. BY: HFN

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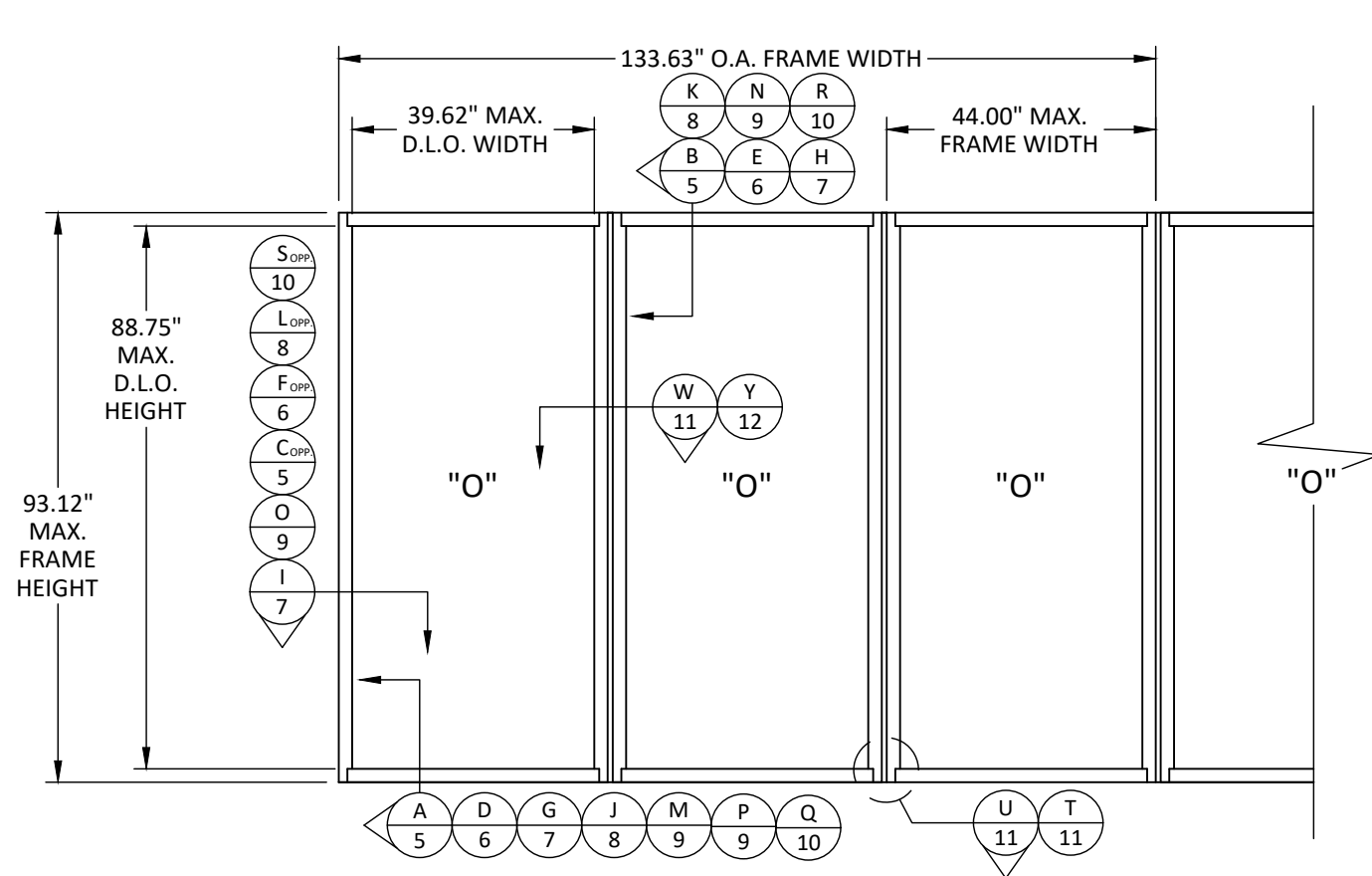
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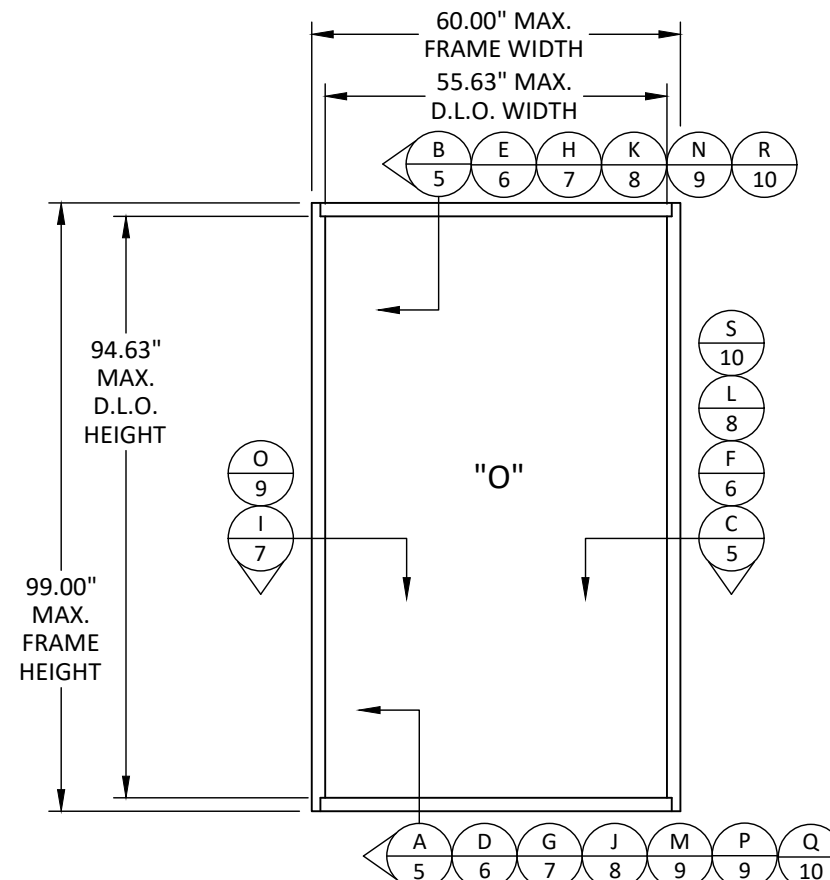
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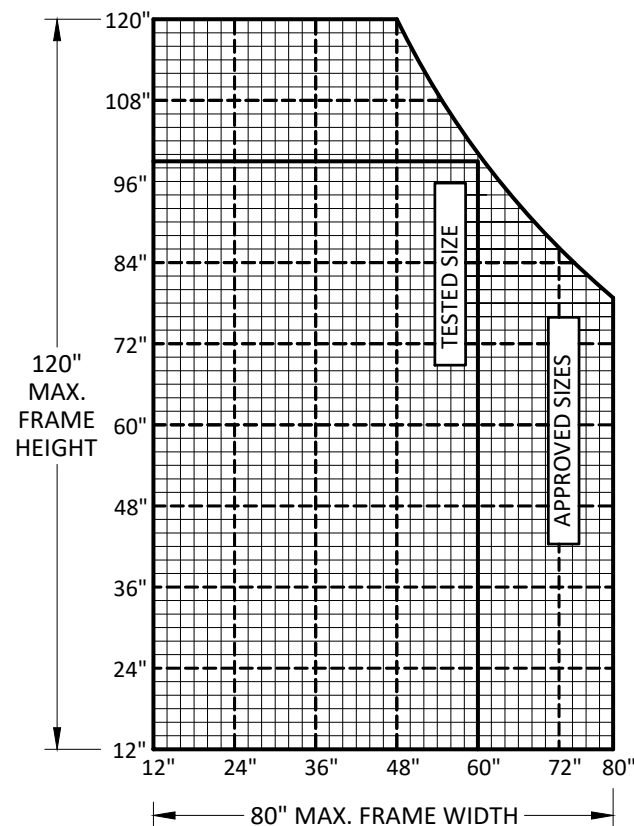
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ELEVATION - A
MULLED TESTED UNITS



ELEVATION - B
SINGLE TESTED UNIT



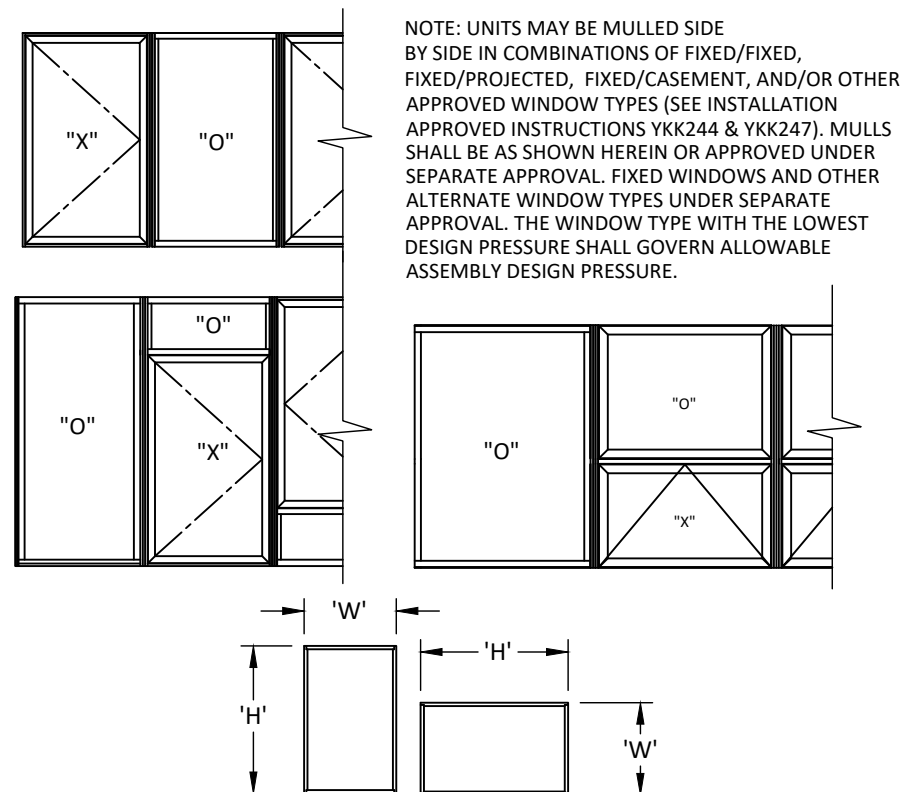
APPROVED SIZES

NOTE: MAX. DIMENSIONS SHOWN MAY EXCLUDE RECEPTOR DIMENSIONS. SEE DETAILS SHEET 5 FOR O.A. DIMENSION LOCATIONS.

NOTES: MAX. SIZES VARY BASED ON APPROVED SIZES CHART.

- NOTES:
1. SIZES AND DESIGN PRESSURES SHOWN TO THE LEFT APPLY TO A SINGLE FIXED WINDOW UNIT. MULLIONS SHALL BE UNDER SEPARATE APPROVAL.
 2. DESIGN PRESSURES ARE LIMITED TO THE LESSER OF COMPARATIVE ANALYSIS PER FBC CHAPTER 17 AND GLASS CAPACITIES PER ASTM E1300 (3 SEC GUST).
 3. FRAME SQUARE FOOTAGE AREA HAS BEEN LIMITED TO THE TESTED AREA.
 4. SEE SHEET 5 FOR MISSILE IMPACT RATINGS AND GLAZING DETAILS.

QUALIFIED CONFIGURATIONS



NOTE: UNITS MAY BE MULLED SIDE BY SIDE IN COMBINATIONS OF FIXED/FIXED, FIXED/PROJECTED, FIXED/CASEMENT, AND/OR OTHER APPROVED WINDOW TYPES (SEE INSTALLATION APPROVED INSTRUCTIONS YKK244 & YKK247). MULLS SHALL BE AS SHOWN HEREIN OR APPROVED UNDER SEPARATE APPROVAL. FIXED WINDOWS AND OTHER ALTERNATE WINDOW TYPES UNDER SEPARATE APPROVAL. THE WINDOW TYPE WITH THE LOWEST DESIGN PRESSURE SHALL GOVERN ALLOWABLE ASSEMBLY DESIGN PRESSURE.

NOTE:
WIDTH AND HEIGHT DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE



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ALUMINUM FIXED WINDOW
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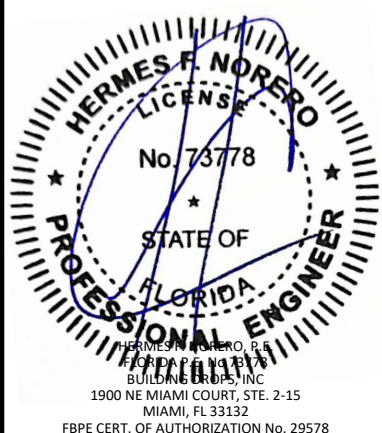
ELEVATIONS & QUALIFIED
CONFIGURATIONS

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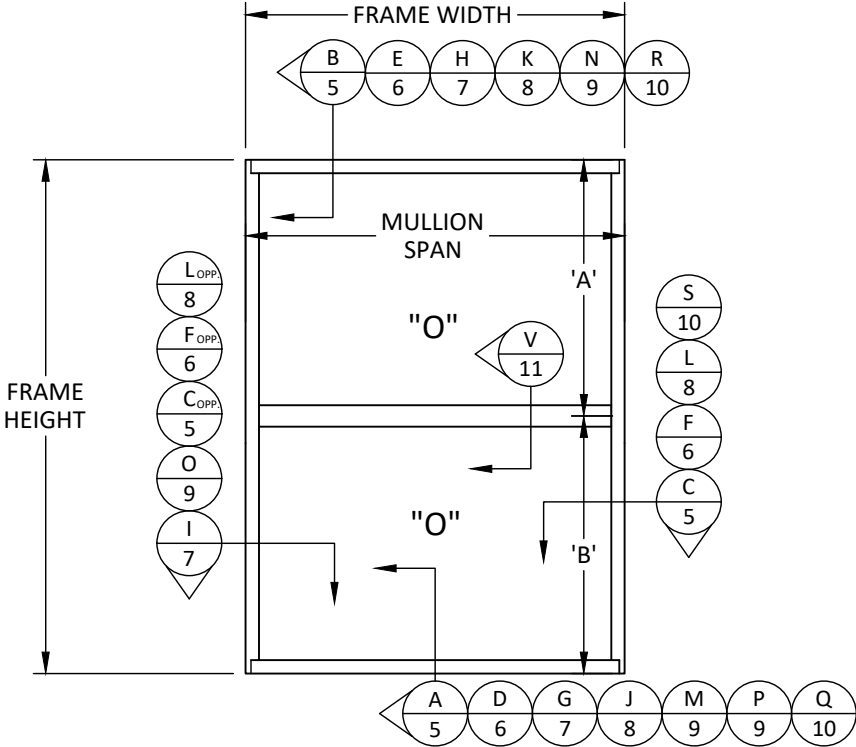
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HORIZONTAL MULLION (BE9-4512) DESIGN PRESSURE TABLE			
MULLION DIM.		DESIGN PRESSURE (PSF)	
HEIGHT (IN.)	SPAN (IN.)	+	-
24.00	24.00	65.0	65.0
30.00		65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00	36.00	65.0	65.0
60.00		65.0	65.0
24.00		65.0	65.0
30.00		65.0	65.0
36.00		65.0	65.0
42.00	48.00	65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
60.00		65.0	65.0
24.00		65.0	65.0
30.00	60.00	65.0	65.0
36.00		62.3	62.3
42.00		54.1	54.1
48.00		48.7	48.7
54.00		45.4	45.4

NOTE:

- DESIGN PRESSURES APPLY TO FIXED WINDOW UNITS UTILIZING A MULLION AS SHOWN IN ELEVATION C, DETAIL V/11.
- DESIGN PRESSURES HAVE BEEN DETERMINED IN ACCORDANCE WITH CHAPTER 17.
- SEE SHEET 2 FOR DESIGN PRESSURES BASED ON GLASS TYPE. SEE SHEET 5 FOR GLAZING DETAILS. THE LESSER DESIGN PRESSURE OF THE GLASS TYPE & SIZE, AS DETERMINED FROM TABLES ON SHEET 2, OR DESIGN PRESSURE BASED ON MULLION CAPACITY AS DEPICTED IN THE TABLE TO THE LEFT, SHALL GOVERN THE OVERALL ASSEMBLY'S ALLOWABLE DESIGN PRESSURE.
- SETTING BLOCKS SHALL BE SPACED AS FOLLOWS:
A. FOR SPANS LESS THAN 48", SETTING BLOCKS SHALL BE SPACED, SPAN/4
B. FOR SPANS EQUAL TO OR GREATER THAN 48", SETTING BLOCKS SHALL BE SPACED, SPAN/8
- MULTIPLE INTEGRAL MULLIONS MAY BE USED WITHIN THE SAME FRAME SUCH THAT THE OVERALL FRAME SIZE DOES NOT EXCEED THE TESTED AREA.

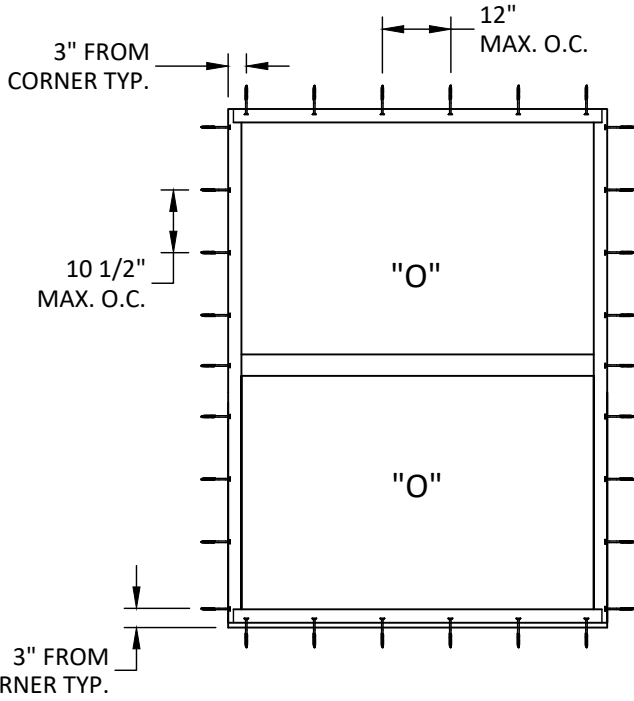
MULLION HEIGHT = (A+B)/2
MULLION SPAN = FRAME WIDTH



ELEVATION - C
INTEGRAL MULL UNITS

NOTE:

MAX. SIZES VARY BASED ON APPROVED SIZES CHART ON SHEET 2.



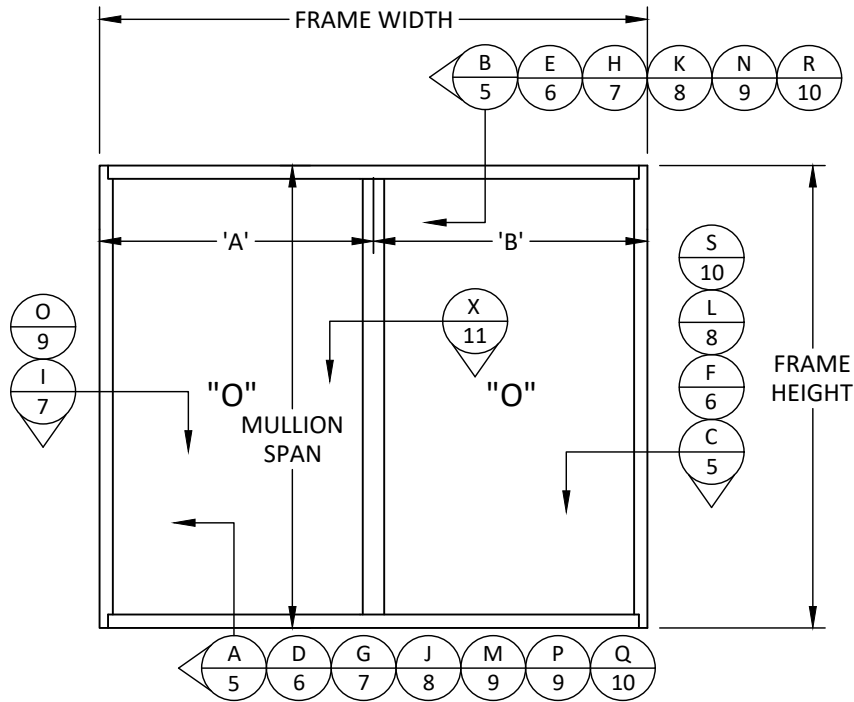
ANCHOR LAYOUT
ALL INSTALLATIONS

VERTICAL MULLION (BE9-4561) DESIGN PRESSURE TABLE			
MULLION DIM.		DESIGN PRESSURE (PSF)	
WIDTH (IN.)	SPAN (IN.)	+	-
24.00	24.00	65.0	65.0
30.00		65.0	65.0
36.00		65.0	65.0
44.00		65.0	65.0
48.00		65.0	65.0
54.00	36.00	65.0	65.0
60.00		65.0	65.0
72.00		65.0	65.0
24.00		65.0	65.0
30.00		65.0	65.0
36.00	48.00	65.0	65.0
44.00		65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
60.00		65.0	65.0
66.00	60.00	65.0	65.0
72.00		65.0	65.0
24.00		65.0	65.0
30.00		65.0	65.0
36.00		65.0	65.0
44.00	72.00	65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
60.00		62.6	62.6
66.00		54.3	54.3
72.00	84.00	47.7	47.7
24.00		45.6	45.6
30.00		51.7	51.7
36.00		42.3	42.3
42.00		36.2	36.2

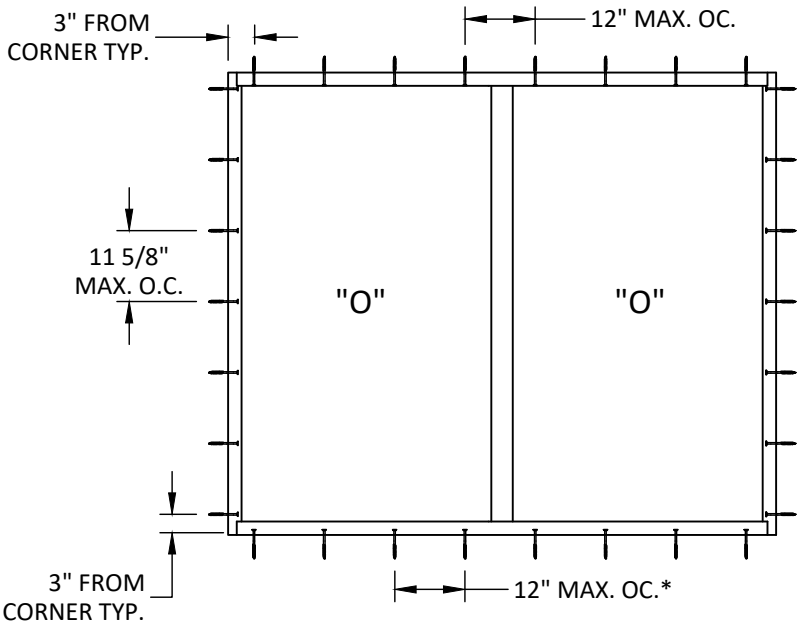
NOTE:

- DESIGN PRESSURES APPLY TO FIXED WINDOW UNITS UTILIZING A MULLION AS SHOWN IN ELEVATION D, DETAIL X/11.
- DESIGN PRESSURES HAVE BEEN DETERMINED IN ACCORDANCE WITH CHAPTER 17.
- SEE SHEET 2 FOR DESIGN PRESSURES BASED ON GLASS TYPE. SEE SHEET 5 FOR GLAZING DETAILS. THE LESSER DESIGN PRESSURE OF THE GLASS TYPE, AS DETERMINED FROM TABLES ON SHEET 2, OR DESIGN PRESSURE BASED ON MULLION CAPACITY AS DEPICTED IN THE TABLE TO THE RIGHT, SHALL GOVERN THE OVERALL ASSEMBLY'S ALLOWABLE DESIGN PRESSURE.
- WHEN READING FROM THE WIDTH COLUMN, TAKE THE AVERAGE WIDTH BETWEEN THE TWO SEPARATE LITES, WIDTH = (A+B)/2
- MULTIPLE INTEGRAL MULLIONS MAY BE USED WITHIN THE SAME FRAME SUCH THAT THE OVERALL FRAME SIZE DOES NOT EXCEED THE TESTED AREA.

MULLION WIDTH = (A+B)/2
MULLION SPAN = FRAME WIDTH



ELEVATION - D
INTEGRAL MULL UNITS



*FOR INSTALLATION OF RECEPTOR AT SILL, ANCHOR SPACING SHALL BE REDUCED TO 9-3/8" MAX. O.C.

ANCHOR LAYOUT
ALL INSTALLATIONS



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TITLE: YOW 225 TU THERMAL ALUMINUM FIXED WINDOW (NON-HVHZ) (NON-IMPACT)

ELEVATIONS & ANCHOR LAYOUTS

PREPARED BY: BUILDING DROPS, INC.

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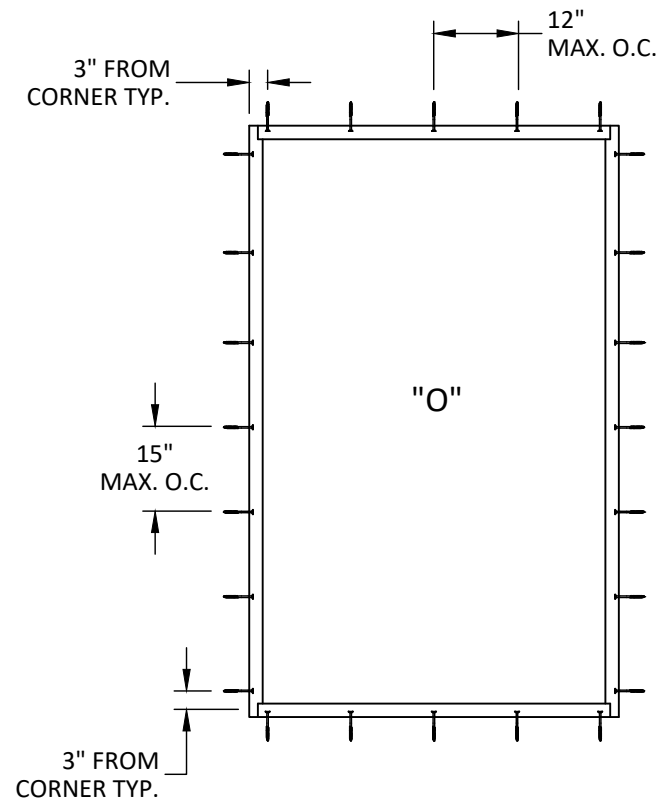
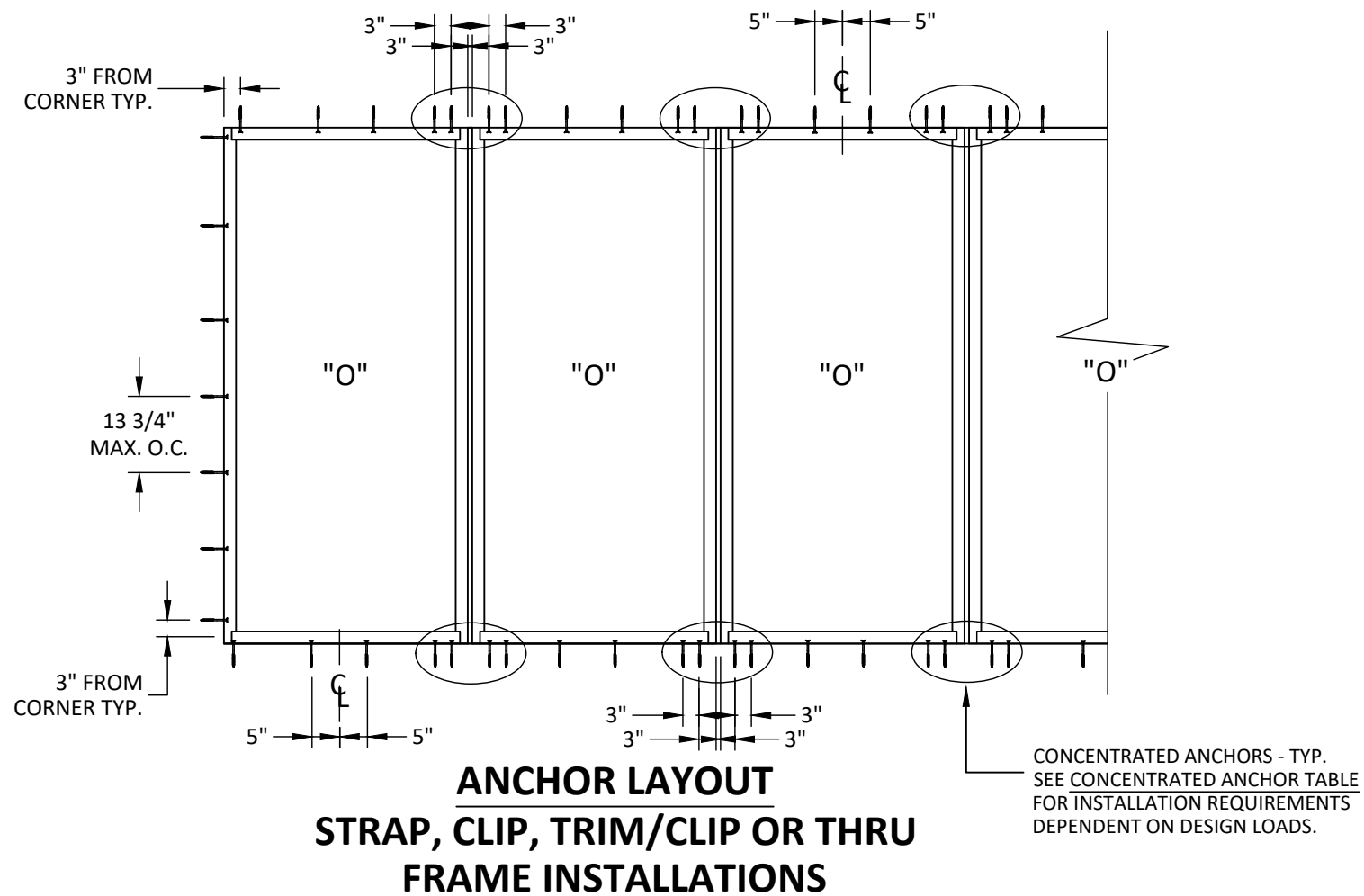
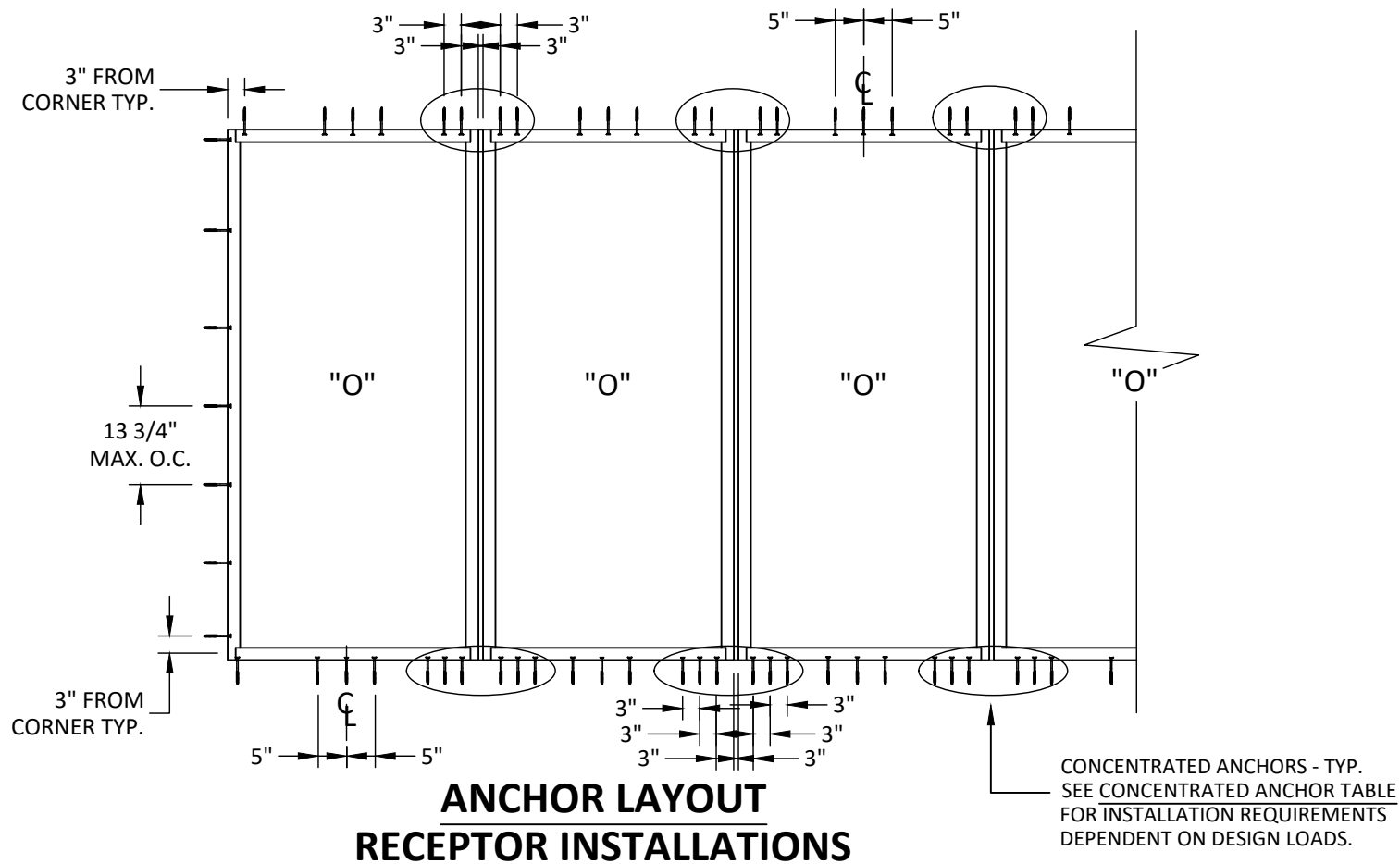
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ANCHOR LAYOUT SINGLE UNITS

CONCENTRATED ANCHOR TABLE

DESIGN PRESSURE (+/- PSF)	MIN. QTY REQUIRED AT EA. END OF STACK MULL*	MIN. QTY REQUIRED AT SILL OF STACK MULL FOR RECEPTOR INSTALLATION**
40	2	4
65	4	6

NOTE:
* QUANTITY OF ANCHORS IS THE MINIMUM REQUIRED QUANTITY OF ANCHORS ADJACENT TO EA. SIDE OF STACK MULLION. ANCHORS SHALL BE SPACED 3" O.C. TO EA. SIDE OF MULL. APPLICABLE TO RECEPTOR AT HEAD ONLY, CLIP, STRAP, TRIM/CLIP AND THROUGH FRAME INSTALLATIONS.
** QUANTITY OF ANCHORS IS THE MINIMUM REQUIRED QUANTITY OF ANCHORS THROUGH THE RECEPTOR SILL (SEE TYP. DETAIL A/5) ADJACENT TO EA. SIDE OF STACK MULL. ANCHORS SHALL BE SPACED 3" O.C. TO EA. SIDE OF MULL.



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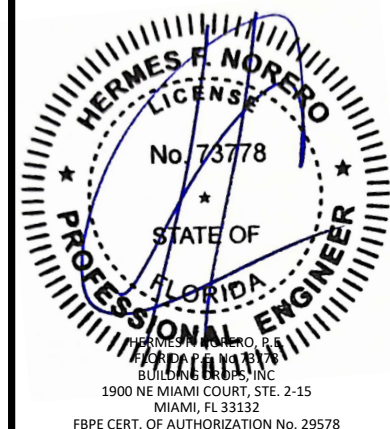
ANCHOR LAYOUTS

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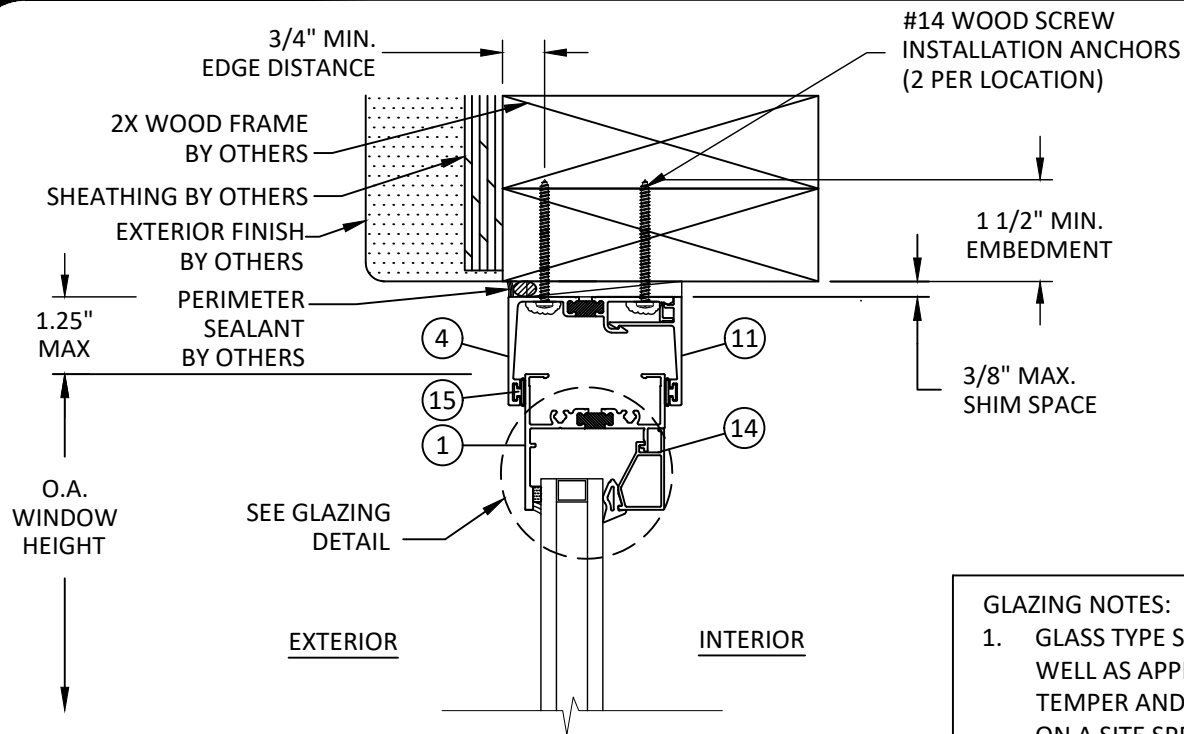
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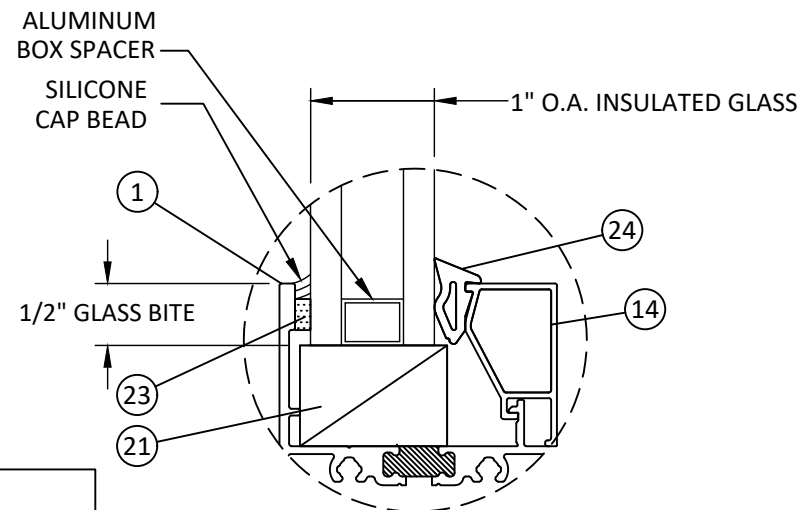


VERTICAL SECTION

**FIXED HEAD - 2X WOOD FRAME
INT. SET RECEPTOR - TYP.**

GLAZING NOTES:

1. GLASS TYPE SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. GLASS SHALL BE SET WITH THE USE OF SETTING BLOCKS IN ACCORDANC WITH CHAPTER 24.
3. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
4. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
5. DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLE ON SHEET 1.

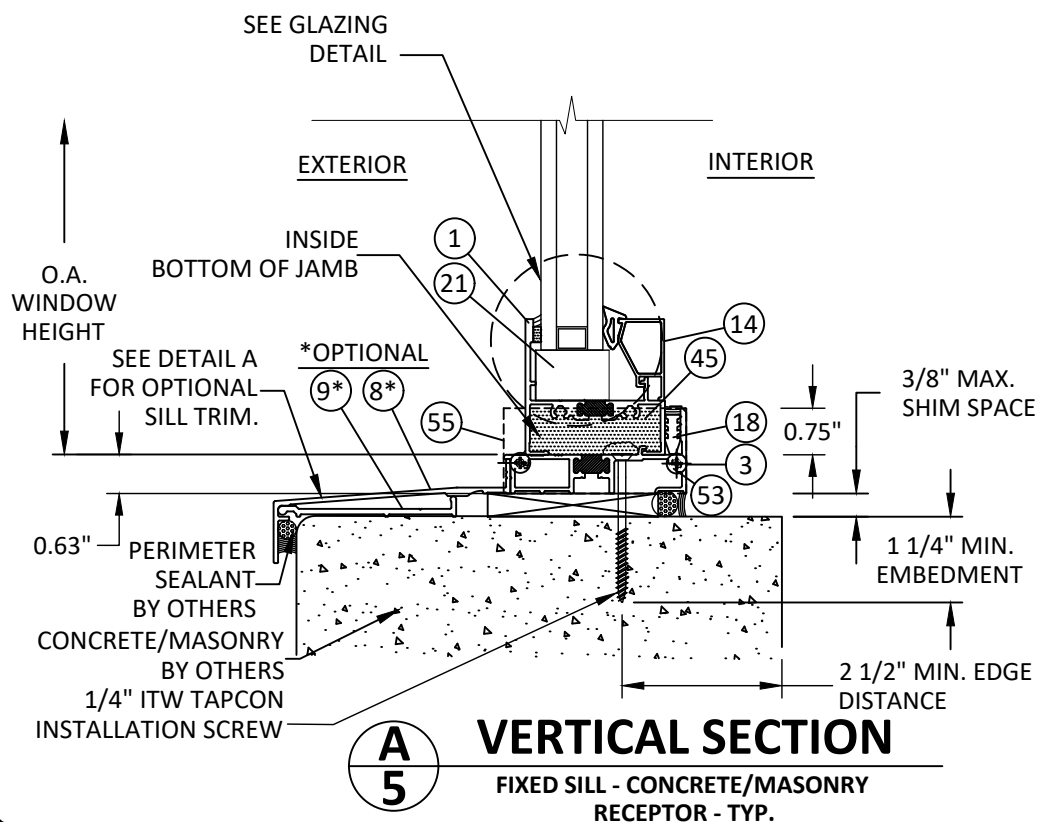


FIXED GLAZING DETAIL

ALUMINUM BOX SPACER:
AROUND THE PERIMETER OF THE GLASS

PRIMARY SEALANT:
POLYISOBUTYLENE (PIB)

SECONDARY SEALANT:
STRUCTURAL SILICONE INTENDED FOR
FABRICATION OF INSULATED GLASS UNITS.



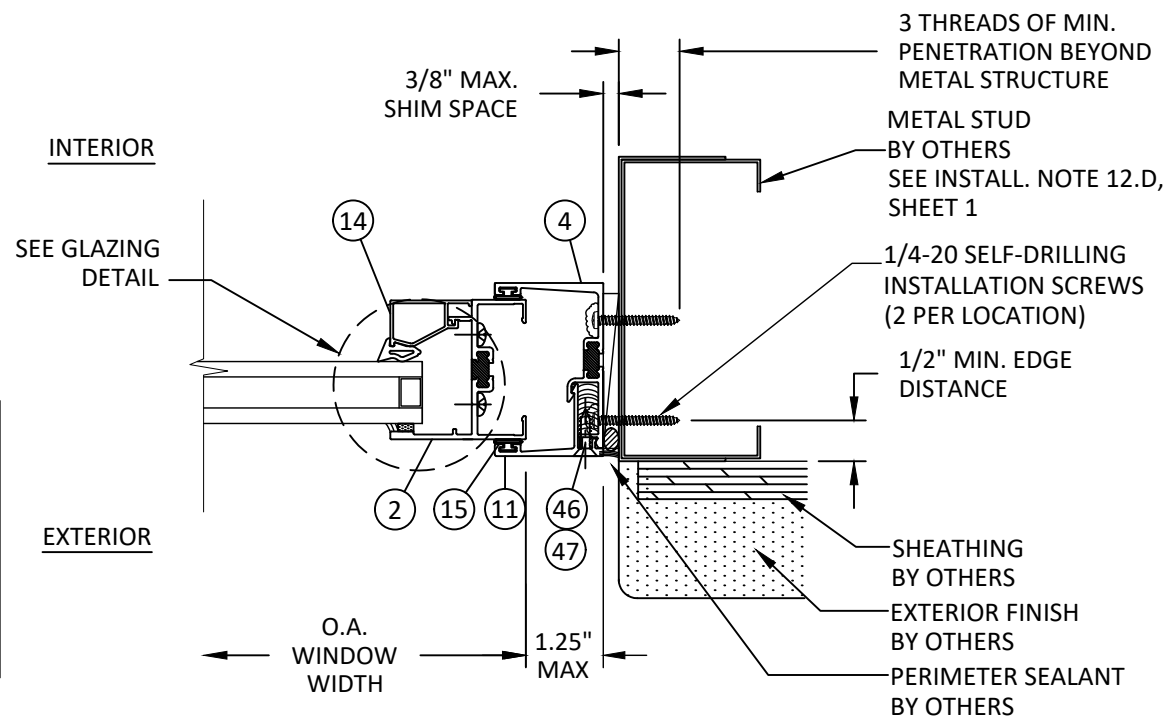
VERTICAL SECTION

**FIXED SILL - CONCRETE/MASONRY
RECEPTOR - TYP.**



OPTIONAL SILL TRIM DETAIL A

NOTE: UNITS MAY BE INTERIOR OR
EXTERIOR SET INSTALLATIONS.
INTERIOR SET INSTALLATION DO NOT
REQUIRE ITEMS #46 & 47.



HORIZONTAL SECTION

**FIXED JAMB - METAL STUD FRAME
EXT. SET RECEPTOR - TYP.**



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RECEPTOR INSTALLATION DETAILS

PREPARED BY: BUILDING DROPS, INC.

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MIAMI, FL 33132

PH: (954)399-8478

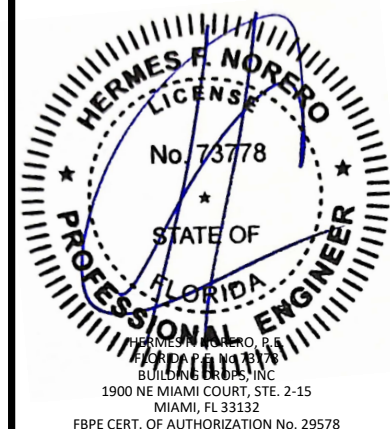
FAX: (954)744-4738

WEB: www.buildingdrops.com



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7TH FBC CODE CHANGE	MS	04.23.20
8TH FBC CODE CHANGE	SH	06.02.23
MISC. UPDATE	SH	02.26.24

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FL16314

DATE: **05.15.18**

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FM

CHK. BY:
HFN

SCALE: **NTS**

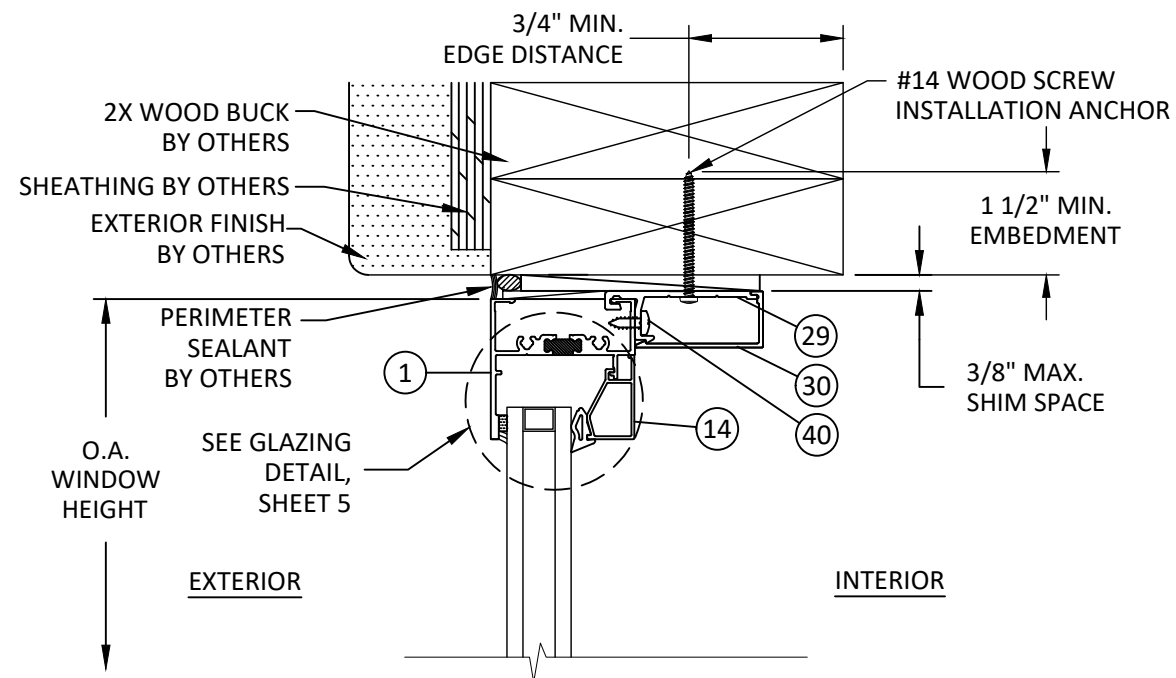
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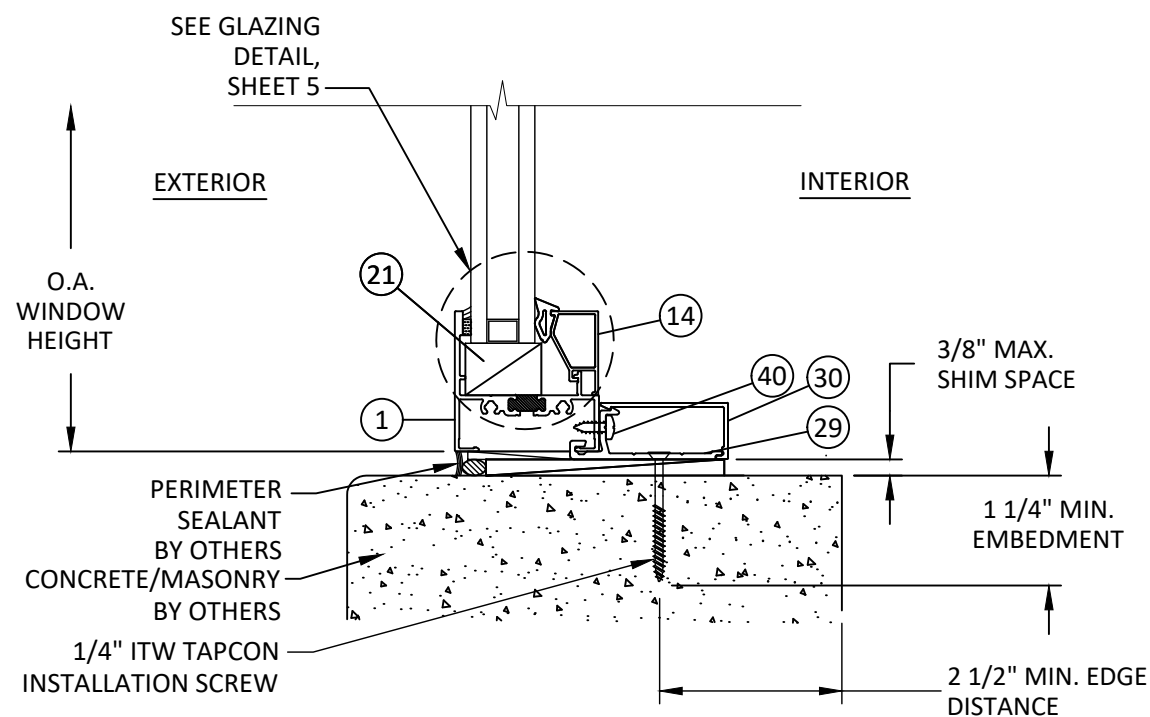
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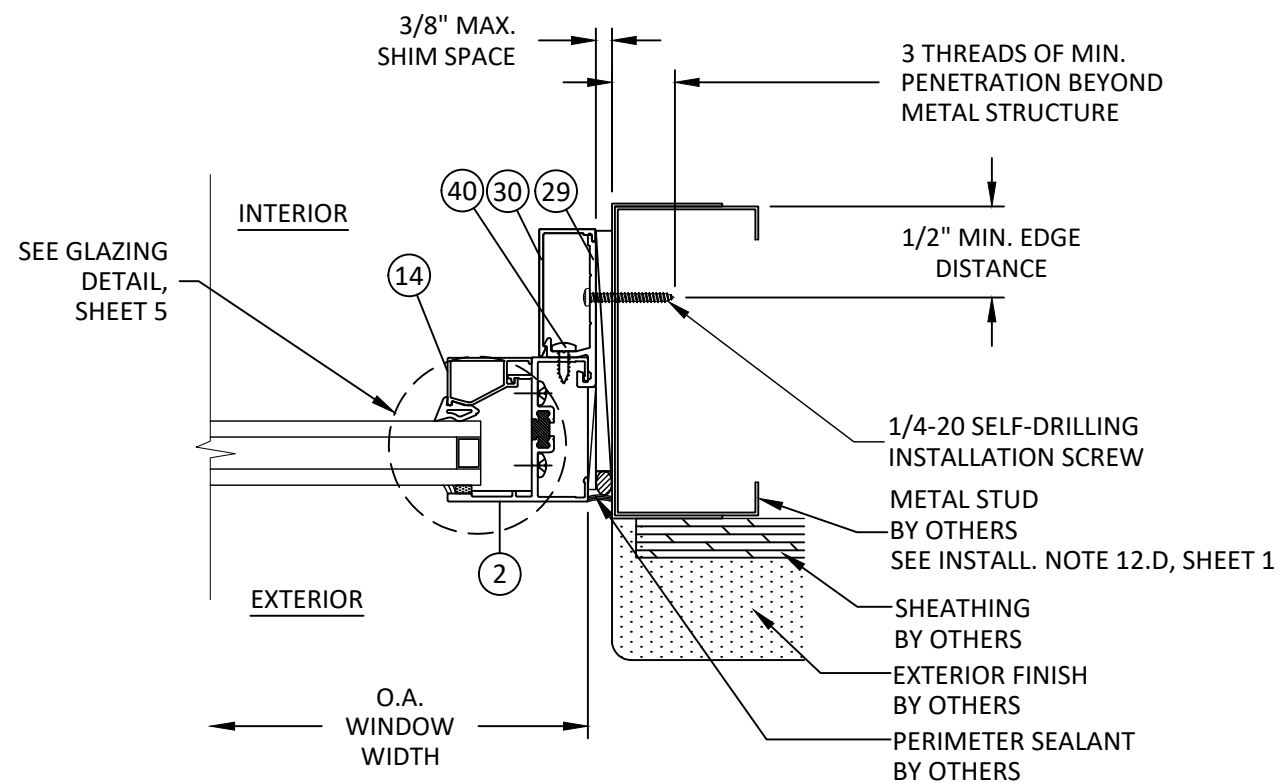
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E
6 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD FRAME
CLIP ANCHOR - TYP.



D
6 **VERTICAL SECTION**
FIXED SILL - CONCRETE/MASONRY
CLIP ANCHOR - TYP.



F
6 **HORIZONTAL SECTION**
FIXED JAMB - METAL STUD FRAME
CLIP ANCHOR - TYP.



YKK AP America Inc.

1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YOW 225 TU THERMAL
ALUMINUM FIXED WINDOW
(NON-HVHZ) (NON-IMPACT)

CLIP INSTALLATION DETAILS

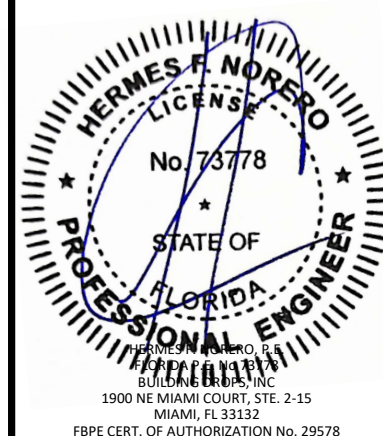
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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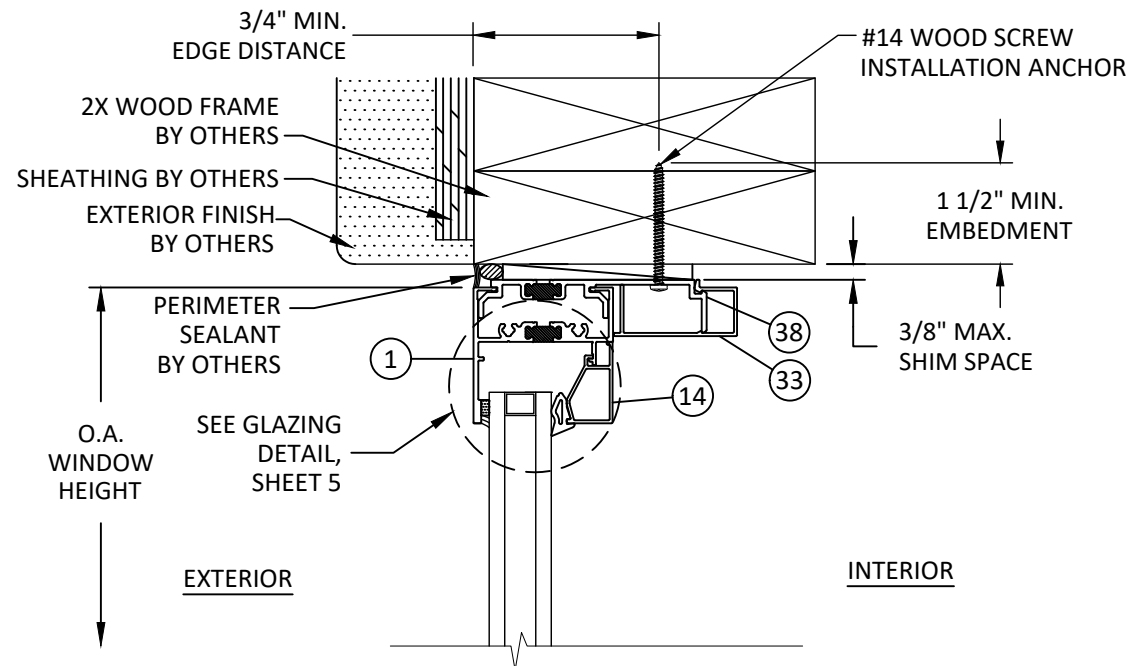
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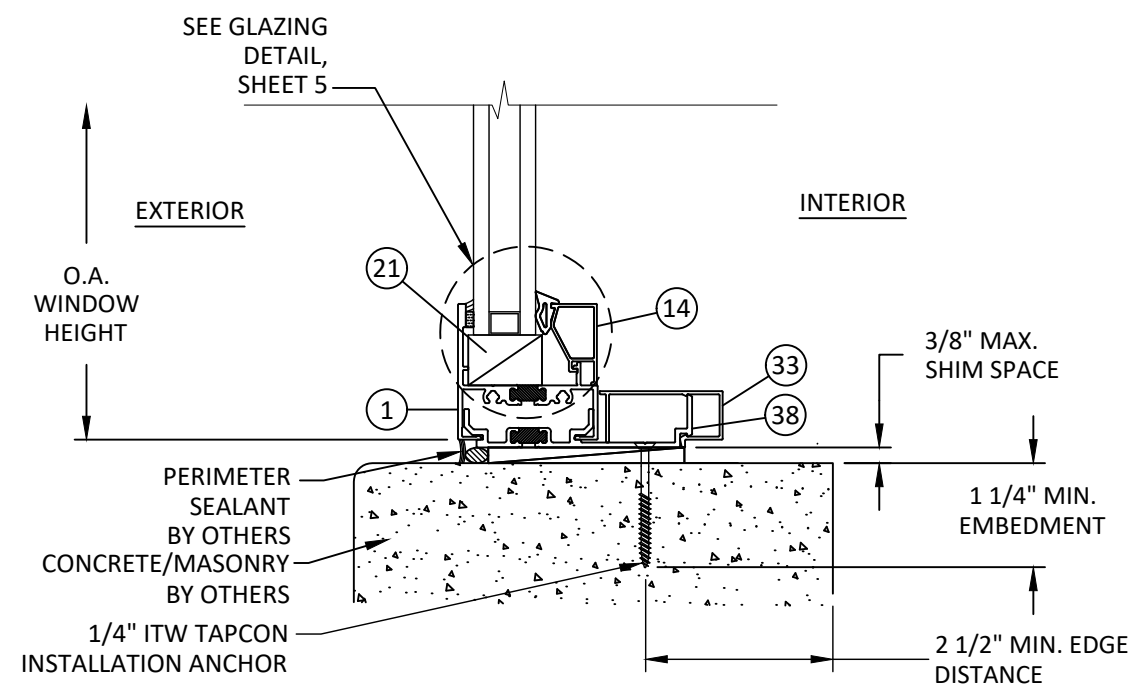
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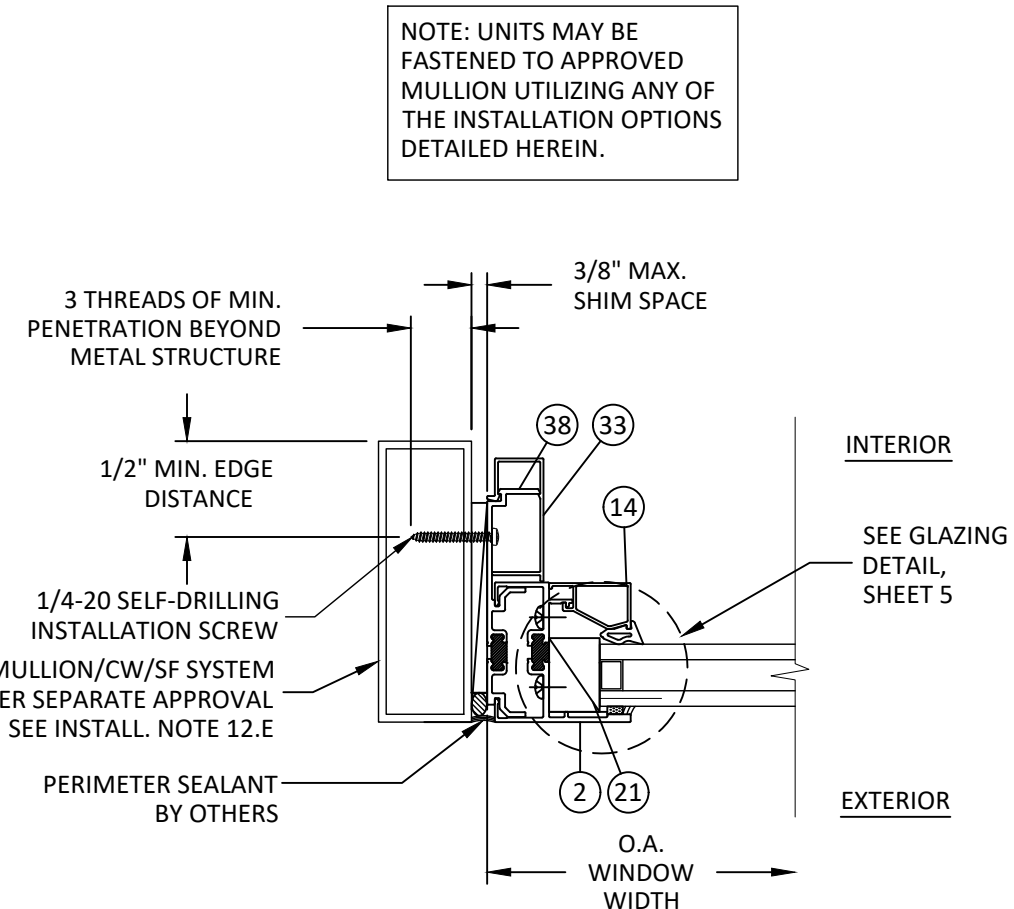
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H 7 VERTICAL SECTION
FIXED HEAD - 2X WOOD FRAME
STRAP ANCHOR - TYP.



G 7 VERTICAL SECTION
FIXED - CONCRETE/MASONRY
STRAP ANCHOR - TYP.



I 7 HORIZONTAL SECTION
FIXED JAMB - MULL TUBE FRAME
STRAP ANCHOR - TYP.

NOTE: UNITS MAY BE FASTENED TO APPROVED MULLION UTILIZING ANY OF THE INSTALLATION OPTIONS DETAILED HEREIN.



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TITLE:
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ALUMINUM FIXED WINDOW
(NON-HVHZ) (NON-IMPACT)

STRAP INSTALLATION DETAILS

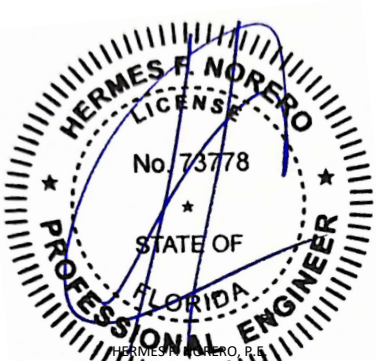
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MIAMI, FL 33132
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FAX: (954)744-4738
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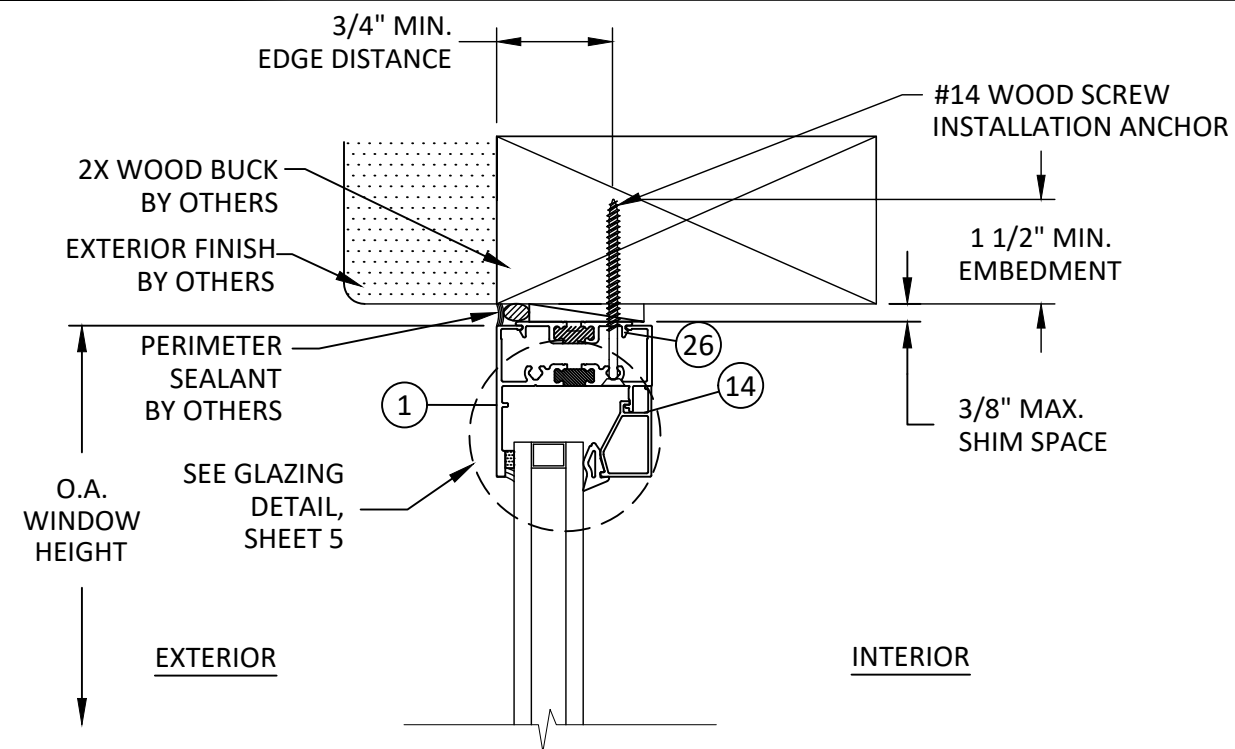
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CHK. BY:	HFN
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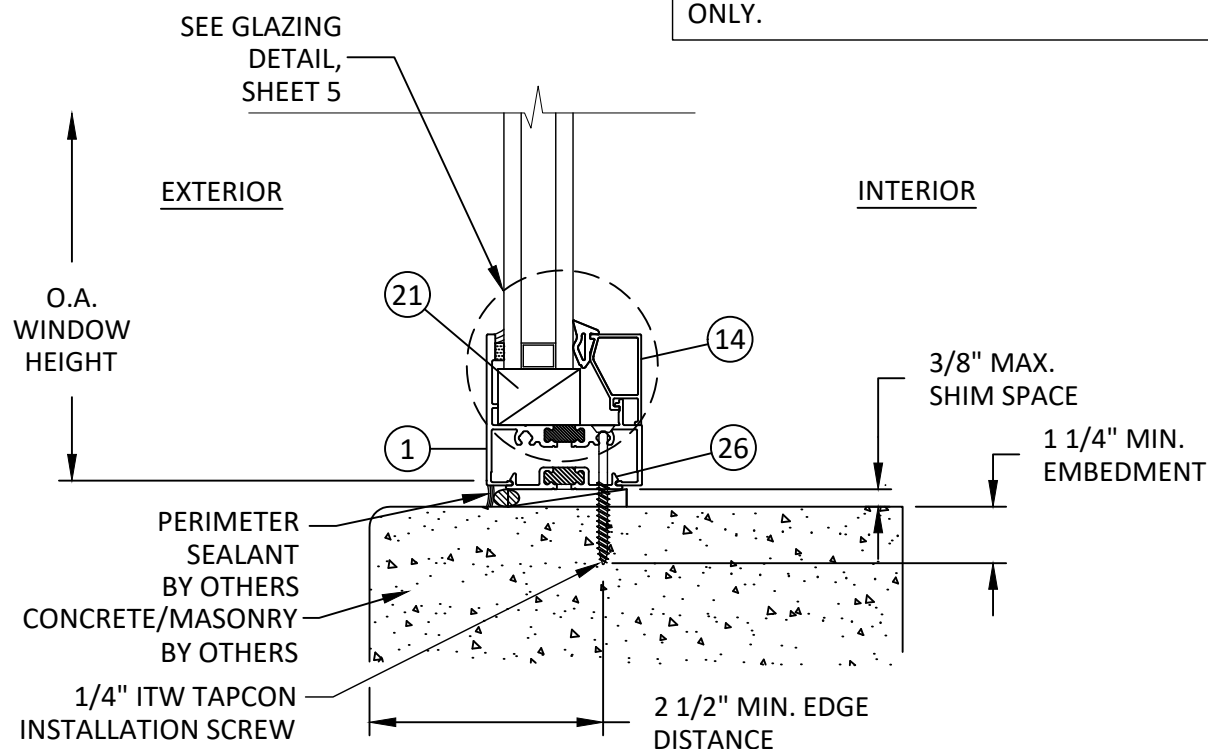
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K
8

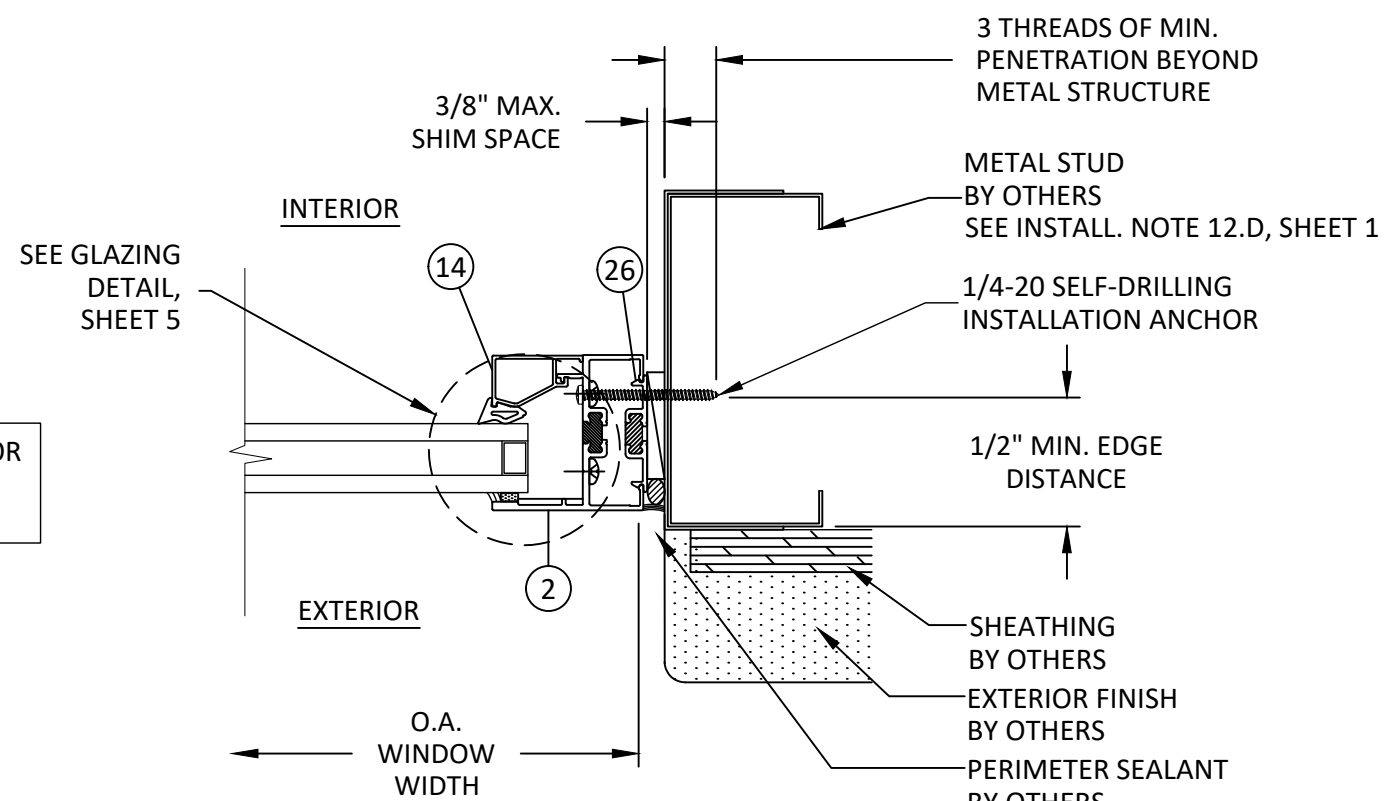
VERTICAL SECTION
FIXED HEAD - 2X WOOD BUCK
THROUGH FRAME - TYP.

NOTE: THROUGH FRAME INSTALLATION FOR
USE WITH FIELD GLAZED INSTALLATIONS
ONLY.



J
8

VERTICAL SECTION
FIXED SILL - CONCRETE/MASONRY
THROUGH FRAME - TYP.



L
8

HORIZONTAL SECTION
FIXED JAMB - METAL STUD FRAME
THROUGH FRAME - TYP.



YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
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TITLE:
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ALUMINUM FIXED WINDOW
(NON-HVHZ) (NON-IMPACT)

THROUGH FRAME
INSTALLATION DETAILS

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MIAMI, FL 33132

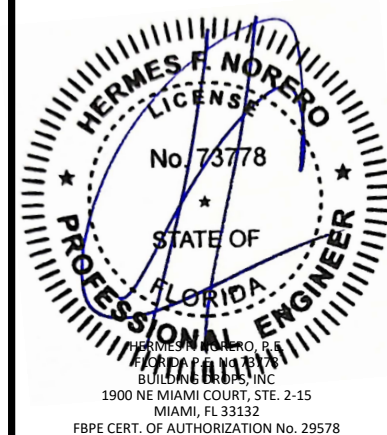
PH: (954)399-8478
FAX: (954)744-4738

WEB: www.buildingdrops.com



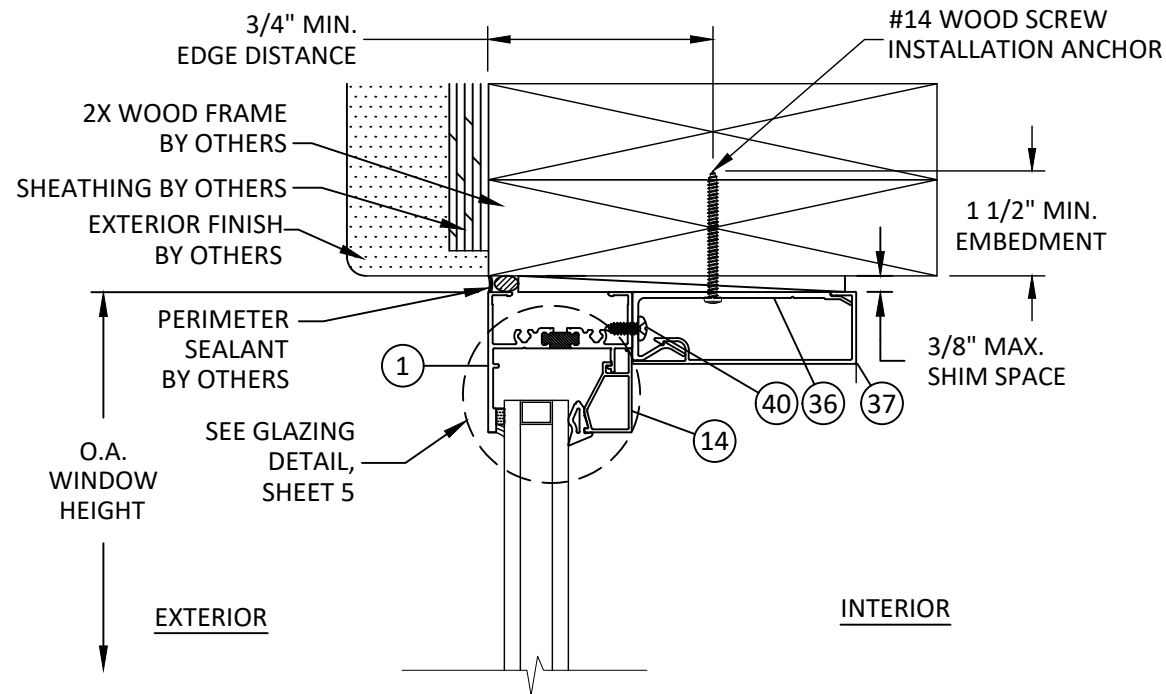
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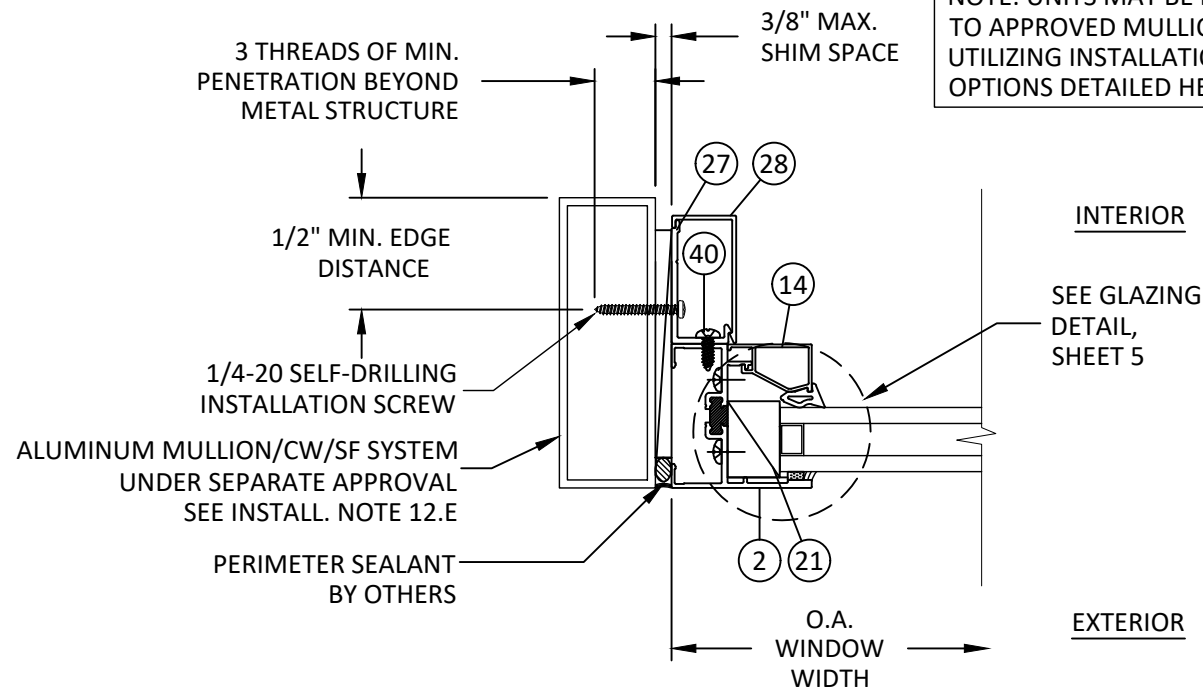


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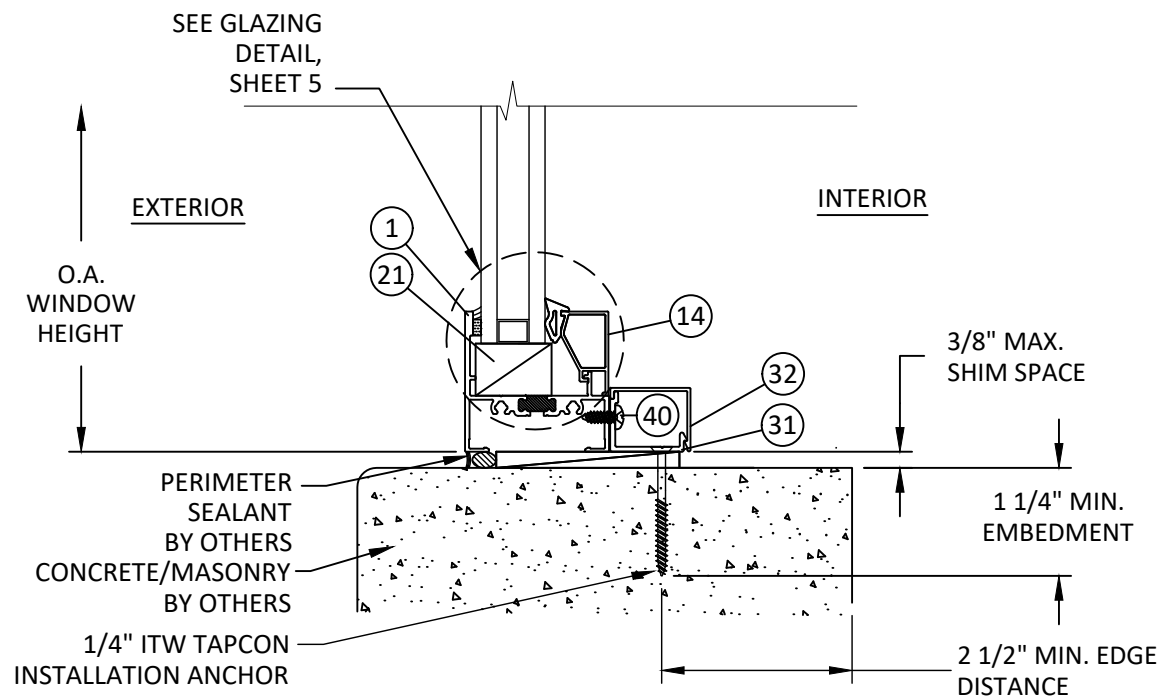
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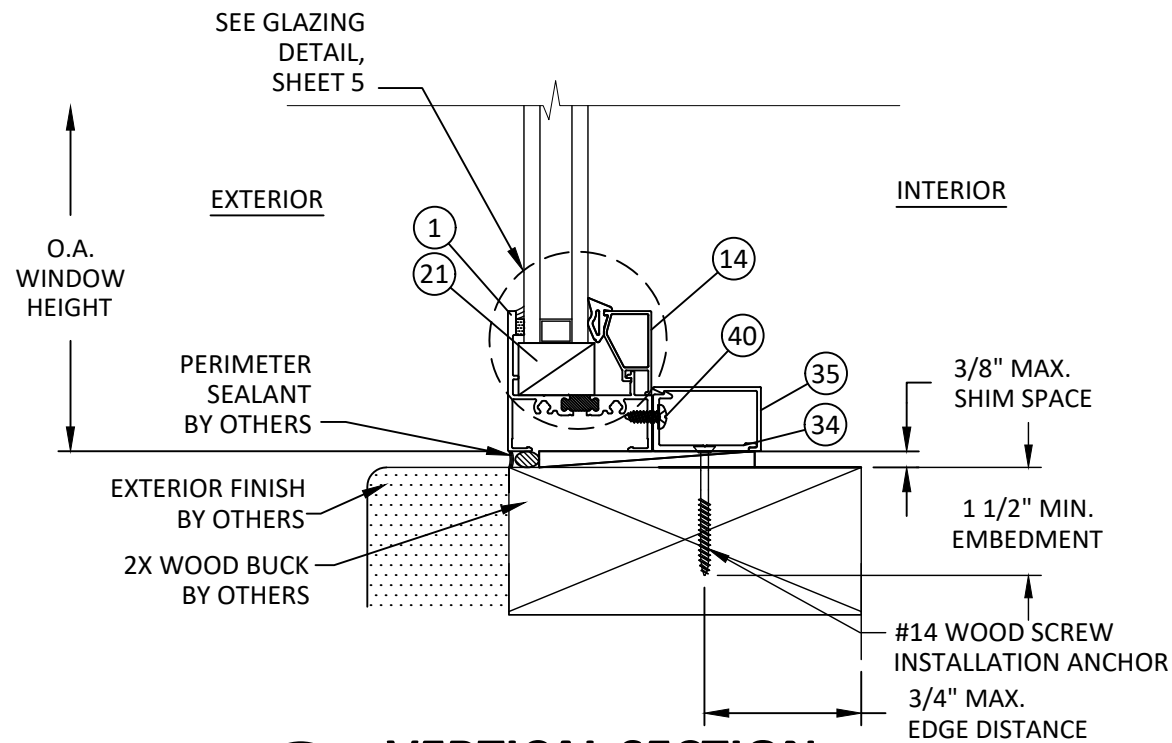
N
9 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD FRAME
TRIM CLIP ANCHOR - TYP.



O
9 **HORIZONTAL SECTION**
FIXED JAMB - MULL TUBE FRAME
TRIM CLIP ANCHOR - TYP.



M
9 **VERTICAL SECTION**
FIXED SILL - CONCRETE/MASONRY
TRIM CLIP ANCHOR - TYP.



P
9 **VERTICAL SECTION**
FIXED SILL - 2X WOOD BUCK
TRIM CLIP ANCHOR - TYP.

NOTE: UNITS MAY BE FASTENED TO APPROVED MULLION UTILIZING INSTALLATION OPTIONS DETAILED HEREIN.



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1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YOW 225 TU THERMAL ALUMINUM FIXED WINDOW (NON-HVHZ) (NON-IMPACT)

TRIM CLIP ANCHOR INSTALLATION

PREPARED BY: BUILDING DROPS, INC.

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MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

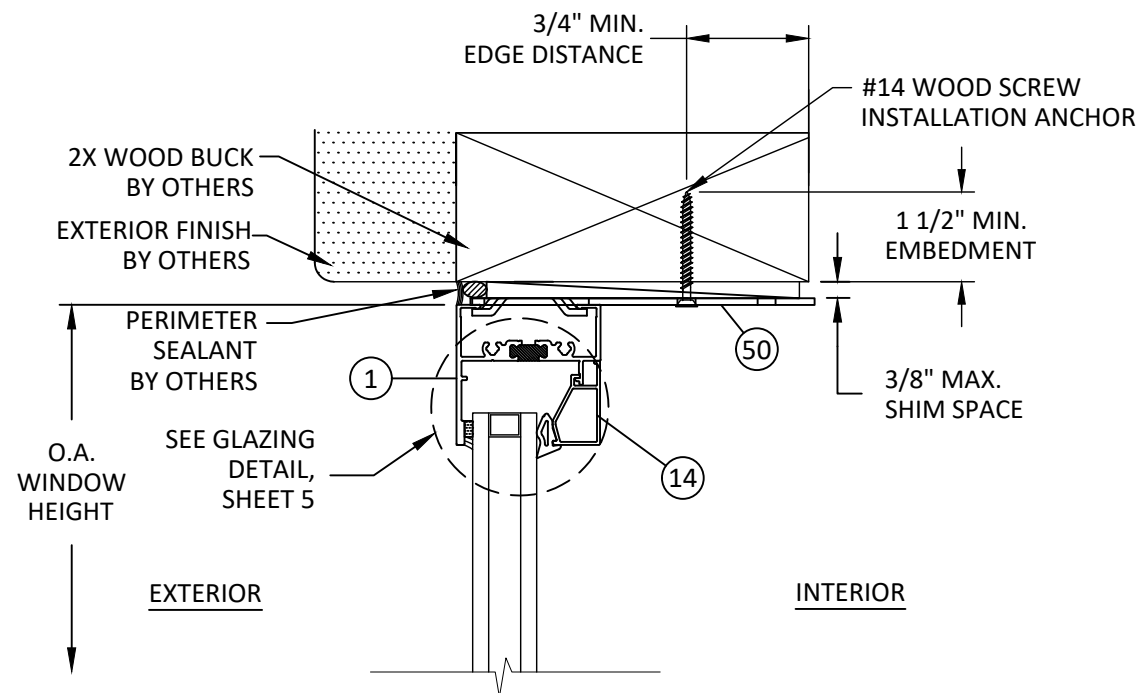
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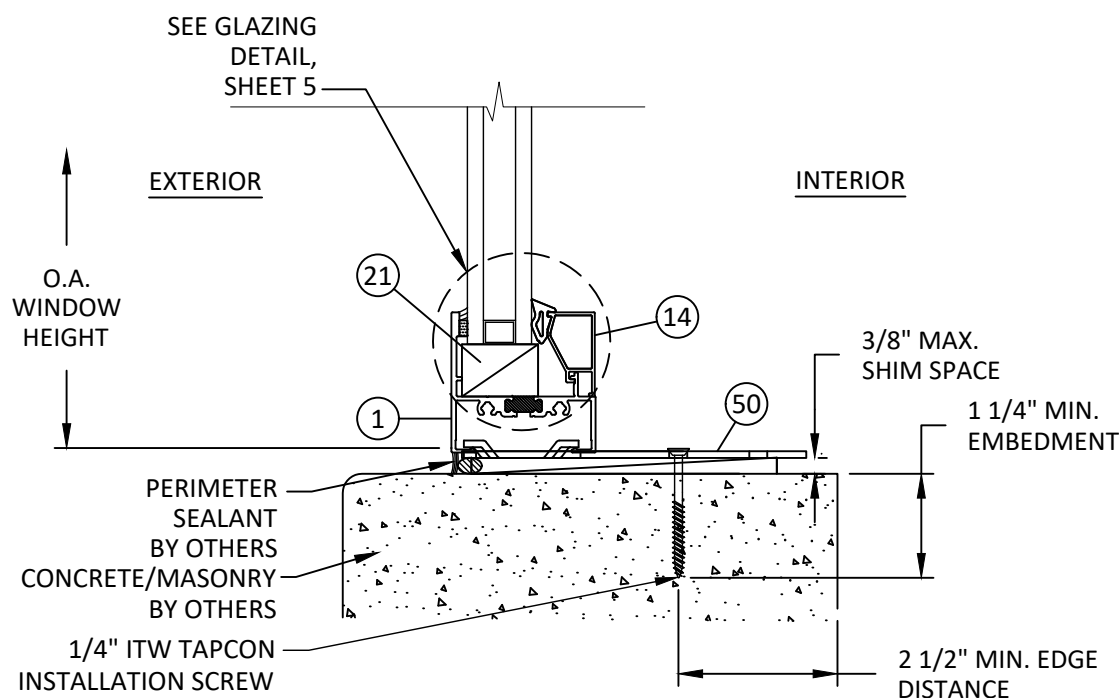


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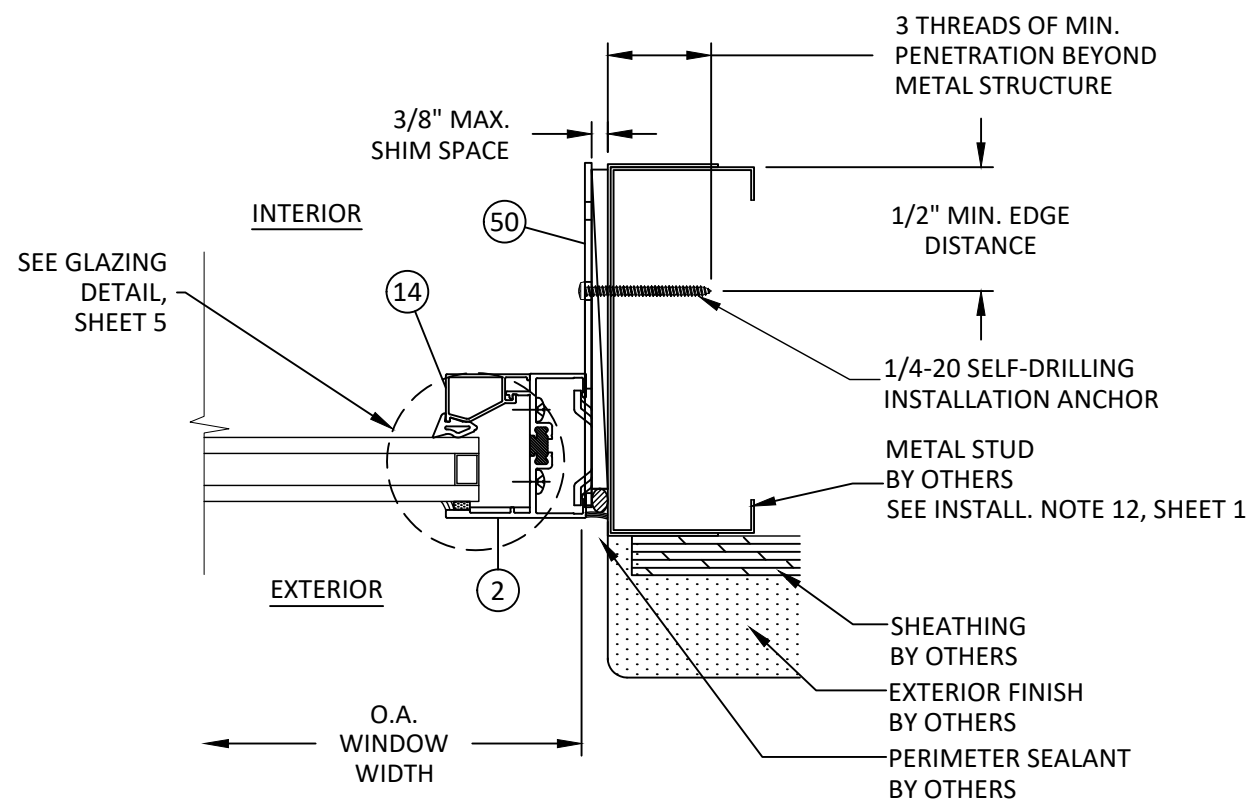
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R
10 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD BUCK
TWIST ANCHOR - TYP.



Q
10 **VERTICAL SECTION**
FIXED SILL - CONCRETE/MASONRY
TWIST ANCHOR - TYP.



S
10 **HORIZONTAL SECTION**
FIXED JAMB - METAL STUD FRAME
TWIST ANCHOR - TYP.



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TITLE:
YOW 225 TU THERMAL
ALUMINUM FIXED WINDOW
(NON-HVHZ) (NON-IMPACT)

TWIST ANCHOR INSTALLATION

PREPARED BY:

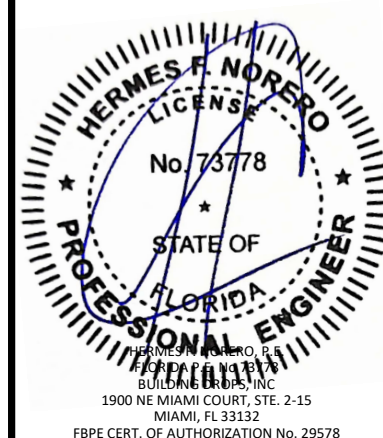
BUILDING DROPS, INC.

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MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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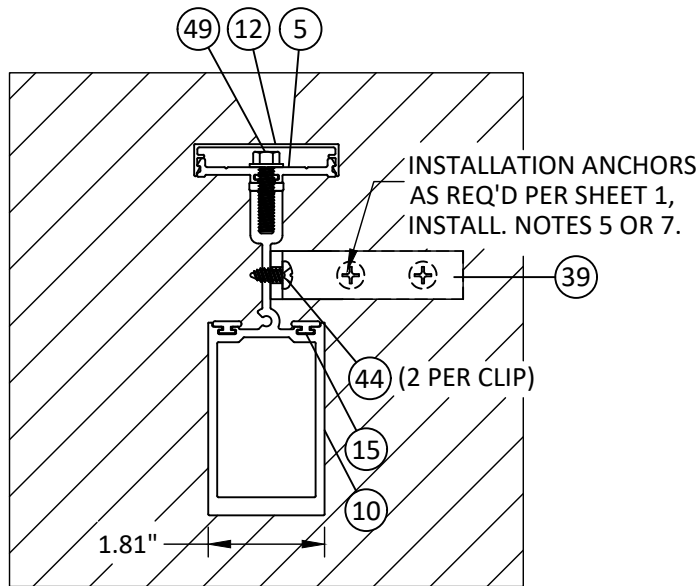
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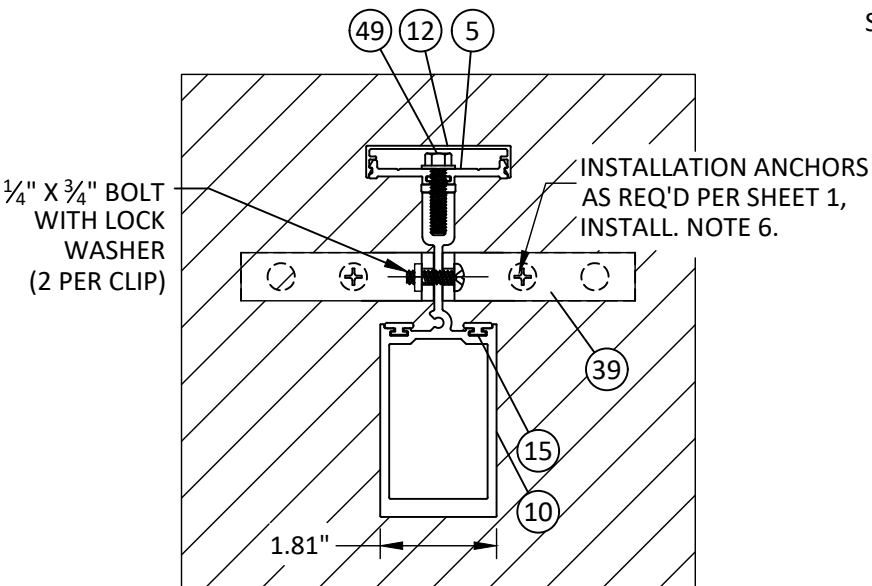
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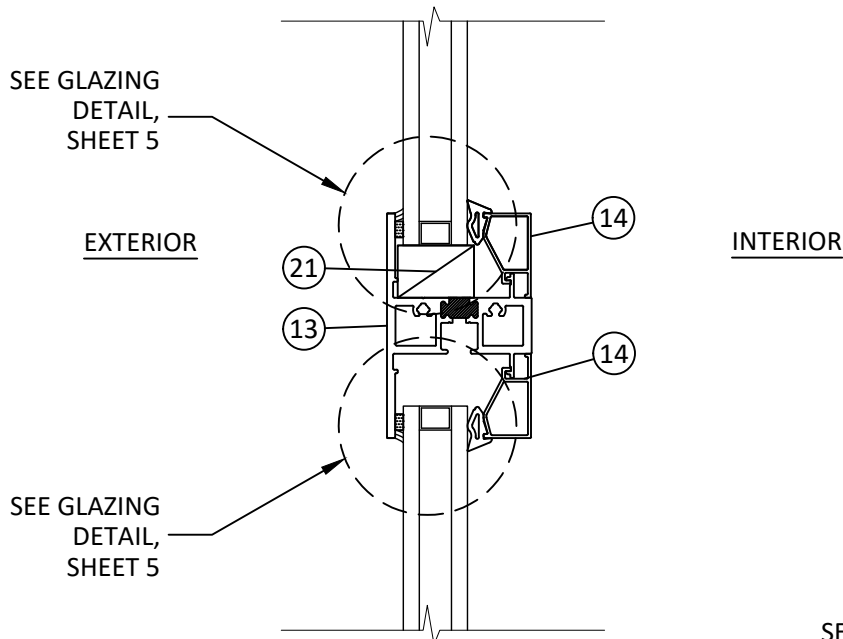
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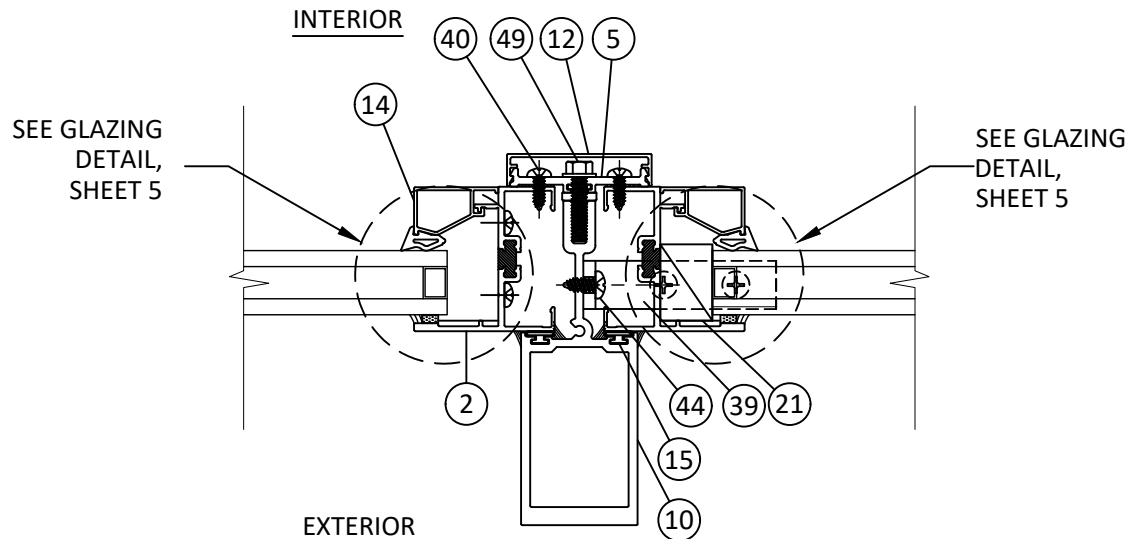
U11 HORIZONTAL SECTION
STACK MULLION - TYP.
JAMB INSTALLATION



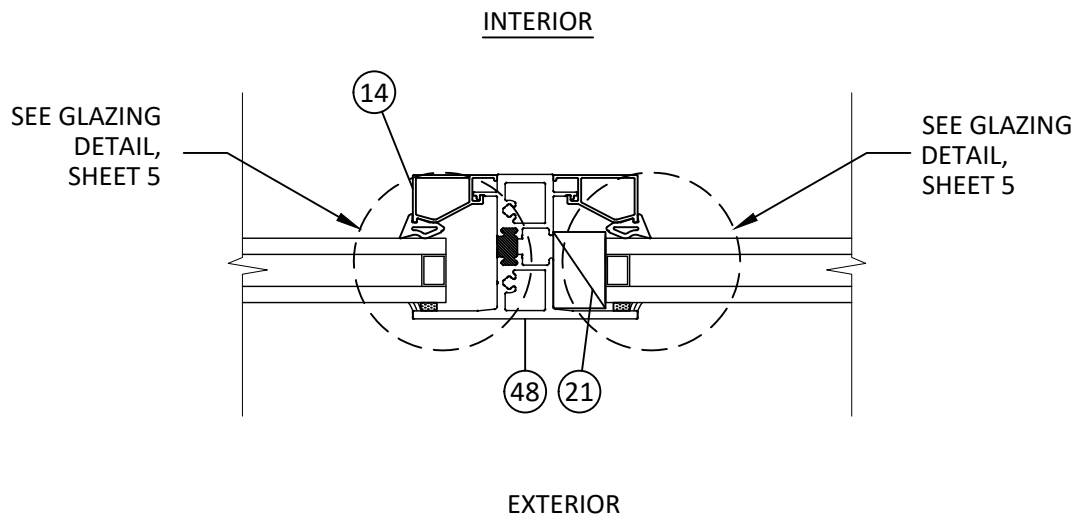
T11 HORIZONTAL SECTION
STACK MULLION - TYP.
INTERMEDIATE INSTALLATION



V11 VERTICAL SECTION
INTEGRAL MULLION-TYP.
FIXED OVER FIXED



W11 HORIZONTAL SECTION
STACK MULLION - TYP.
FIXED - FIXED



X11 HORIZONTAL SECTION
INTEGRAL MULLION - TYP.
FIXED - FIXED



YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
YOW 225 TU THERMAL
ALUMINUM FIXED WINDOW
(NON-HVHZ) (NON-IMPACT)

INTEGRAL & STACK MULL DETAILS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132

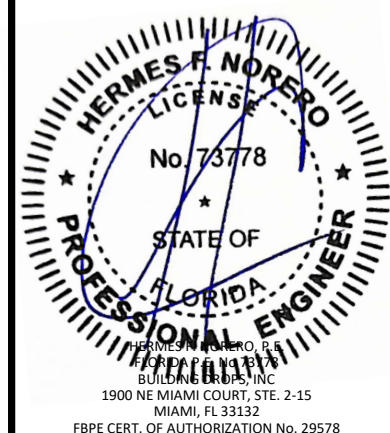
PH: (954)399-8478
FAX: (954)744-4738

WEB: www.buildingdrops.com



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SCALE: **NTS**

DWG. #: **YKK249**

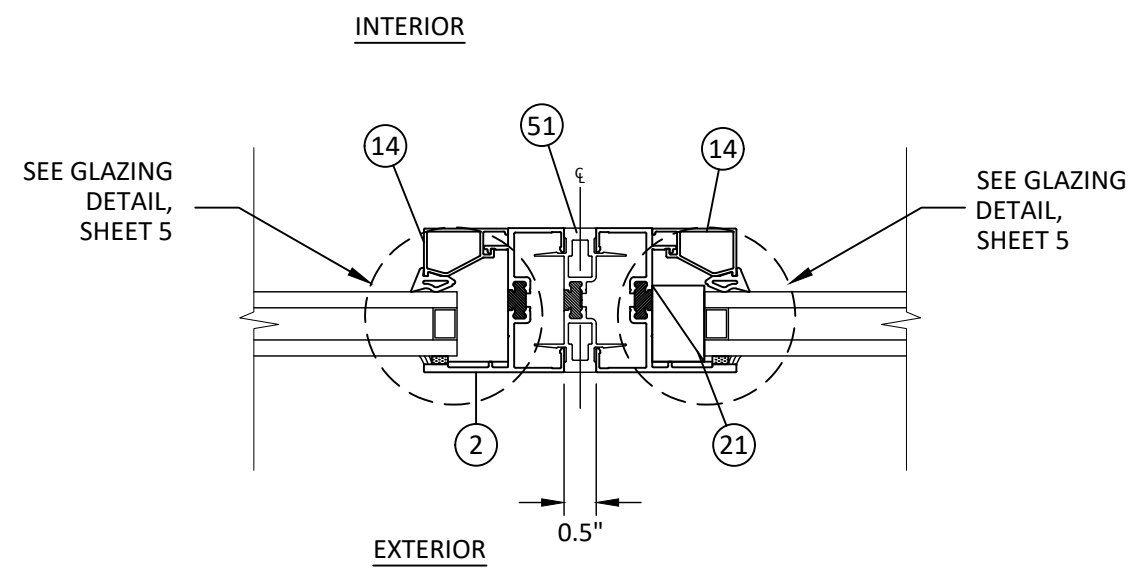
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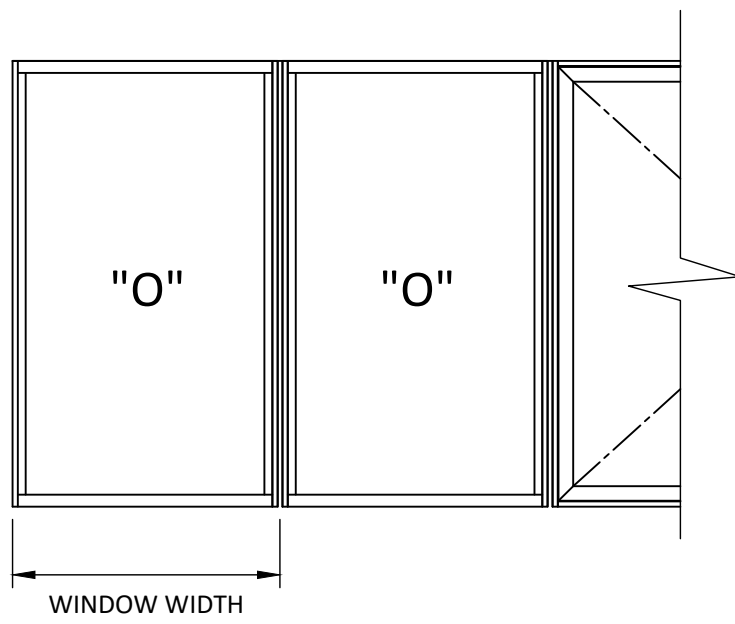
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"I" MULLION DESIGN PRESSURE		
WINDOW WIDTH	MULL SPAN	DESIGN PRESSURE
44	60	65.0
48		65.0
54		62.8
60		61.9
66		51.1
72		43.0
78		36.6
80		34.8
44	66	54.6
48		51.7
54		48.7
60		47.0
66		46.5
72		39.1
78		33.3
80		31.6
44	72	44.6
48		42.0
54		39.2
60		37.3
66		36.2
72		35.8
78		30.5
80		29.0
44	80	33.0
48		31.0
54		28.7
60		27.1
66		25.9
68		25.7
72		25.3



Y 12 HORIZONTAL SECTION
"I" MULLION - TYP.
FIXED - FIXED



- NOTES:
- "I" MULLION MAY BE USED ON A SINGLE ROW OF FIXED WINDOWS (MAY BE MULLED TO FX OR PO WINDOW) PER DESIGN TABLE AT LEFT.
 - ADJACENT WINDOW FRAMES SHALL BE CONTINUOUS.
 - OTHER CONFIGURATIONS SHALL BE EVALUATED FOR STRUCTURAL ADEQUACY ON A SITE BY SITE BASIS.



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1229 HWY 441 BYPASS
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ALUMINUM FIXED WINDOW
(NON-HVHZ) (NON-IMPACT)

"I" MULLION DETAILS

PREPARED BY:
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1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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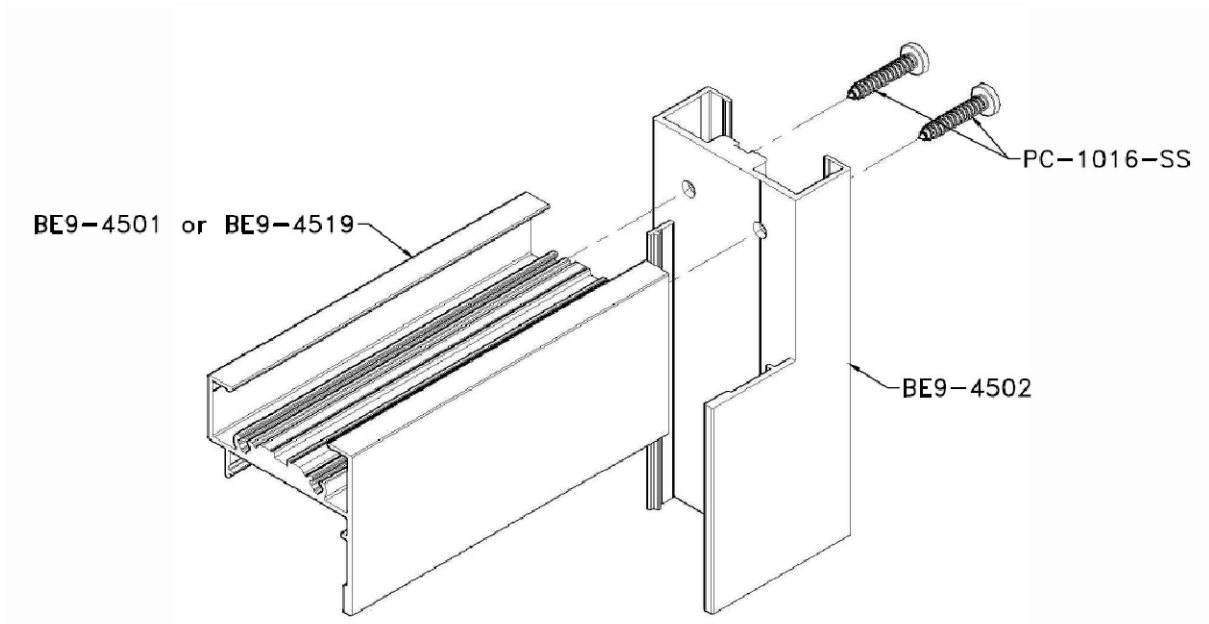
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HFN

SCALE: **NTS**

DWG. #: **YKK249**

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OF 15

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FRAME CORNER CONSTRUCTION
TYPICAL



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TITLE:

YOW 225 TU THERMAL
ALUMINUM FIXED WINDOW
(NON-HVHZ) (NON-IMPACT)

CORNER CONSTRUCTION

PREPARED BY:

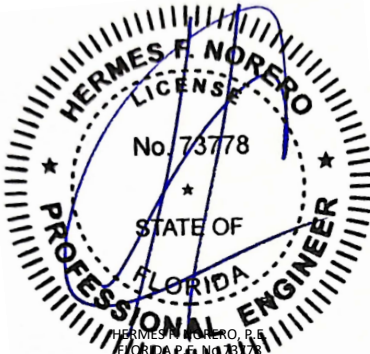


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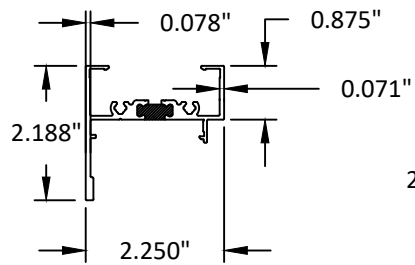
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13

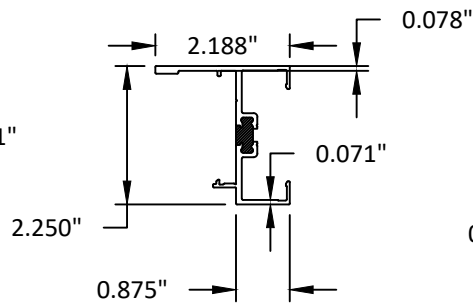
OF 15

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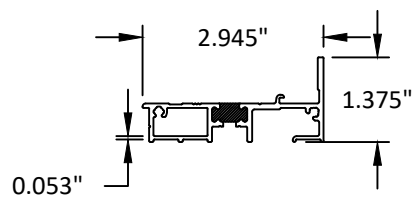
1 FRAME HEAD/SILL



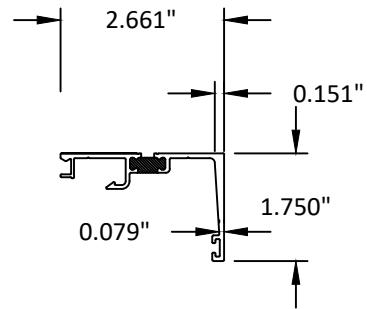
2 FRAME JAMB



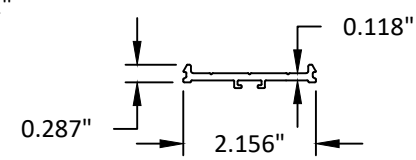
3 2-1/4" WEEPING SILL FLASHING



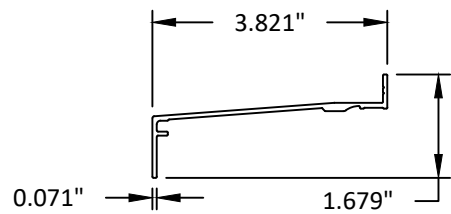
4 RECEPTOR



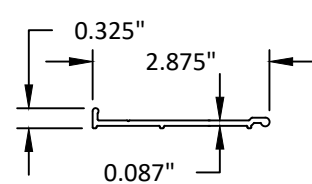
5 PRESSURE BAR



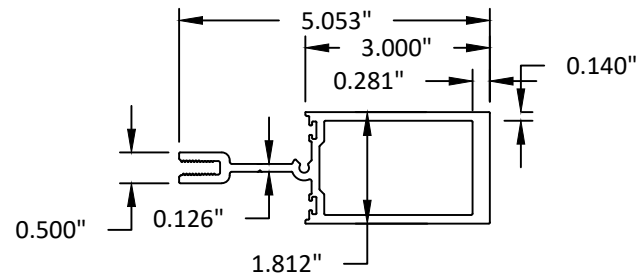
8 3" SILL TRIM



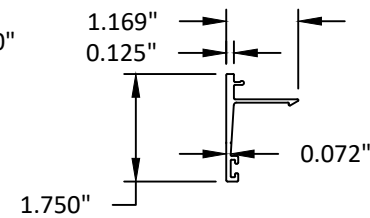
9 SILL TRIM BASE



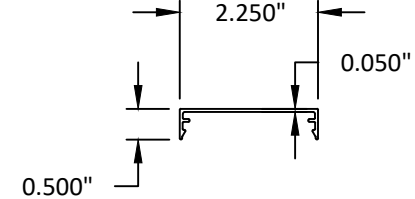
10 STACKING MULLION



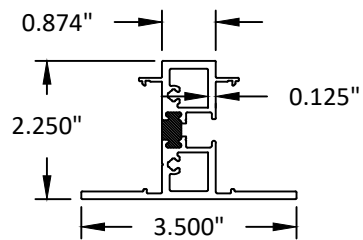
11 RECEPTOR STOP



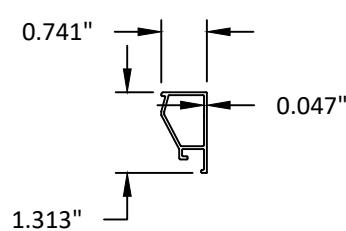
12 COVER



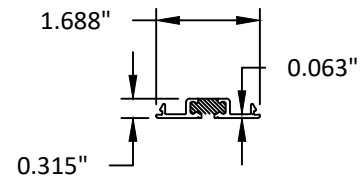
13 INTEGRALL MULL



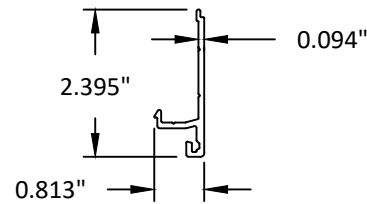
14 FIXED GLASS STOP



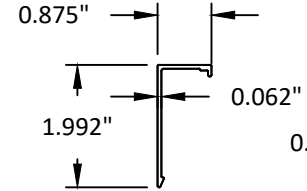
26 THROUGH FRAME FILLER PLATE



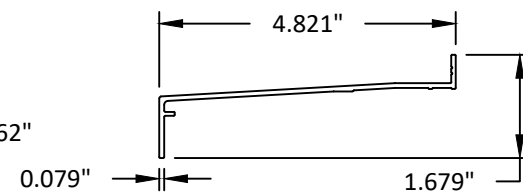
29 ANCHOR CLIP



30 ANCHOR CLIP



54 4" SILL TRIM



YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
YOW 225 TU THERMAL
ALUMINUM FIXED WINDOW
(NON-HVHZ) (NON-IMPACT)

COMPONENTS

PREPARED BY:
BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
WEEP HOLE REMOVAL	JA	05.15.18
7TH FBC CODE CHANGE	MS	04.23.20
8TH FBC CODE CHANGE	SH	06.02.23
MISC. UPDATE	SH	02.26.24

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FL #:

FL16314

DATE: 05.15.18

DWG. BY: FM
CHK. BY: HFN

SCALE: NTS

DWG. #: YKK249

SHEET:

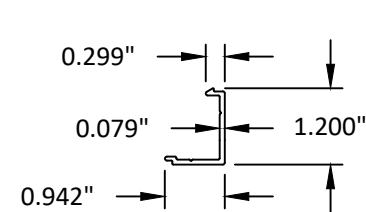
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OF 15

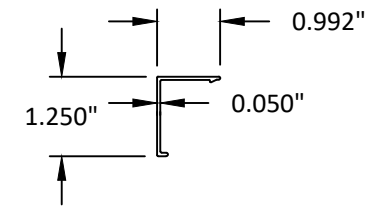
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YOW 225 TU BILL OF MATERIALS				
ITEM NUMBER	PART NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER
1	BE9-4501	FRAME HEAD AND SILL	6063-T5	YKK-AP
2	BE9-4502	FRAME JAMB	6063-T5	YKK-AP
3	BE9-4583	2-1/4" WEEPING SILL FLASHING	6063-T5	YKK-AP
4	BE9-4577	RECEPTOR	6063-T5	YKK-AP
5	E9-4231	PRESSURE BAR	6063-T5	YKK-AP
6				
7				
8	E9-4586	3" SILL TRIM	6063-T5	YKK-AP
9	E9-4559	SILL TRIM BASE	6063-T6	YKK-AP
10	E9-4562	STACKING MULLION	6063-T5	YKK-AP
11	E9-4578	RECEPTOR STOP	6063-T5	YKK-AP
12	E9-5111	COVER	6063-T5	YKK-AP
13	BE9-4512	INTEGRAL MULL	6063-T5	YKK-AP
14	E9-4507	GLASS STOP	6063-T5	YKK-AP
15	E2-0051	AT GASKET	SANTOPRENE	TREMCO
16	E2-0133PC	SIDE BLOCK	EPDM	TREMCO
17	E2-0359	PUSH - IN - SPACER	SCR900	TREMCO
18	E2-0367	PUSH - IN - SPACER	SCR900	TREMCO
19	E2-0625	AT GASKET	SANTOPRENE	TREMCO
20				
21	E2-0646PC	SETTING BLOCK	EPDM	TREMCO
22	--	--	--	--
23	E2-0670	BACKER TAPE	POLYURETHANE FOAM	SAINT GOBAIN
24	E2-0672	WEDGE GASKET	EPDM SPONGE	
25	E2-0050	PRESET GASKET	EPDM	
26	BE9-4566	THROUGH FRAME FILLER PLATE	6063-T5	YKK-AP
27	E9-4031	1" X 2" CLIP	6063-T5	YKK-AP
28	E9-4032	1" X 2" COVER	6063-T5	YKK-AP
29	E1-1922	ANCHOR CLIP	6063-T5	YKK-AP
30	E9-4035	ANCHOR CLIP COVER	6063-T5	YKK-AP
31	E9-4556	1 1/4" X 1" CLIP	6063-T5	YKK-AP
32	E9-4557	1 1/4" X 1" COVER	6063-T5	YKK-AP
33	E9-8431	STRAP ANCHOR COVER	6063-T5	YKK-AP
34	E9-8537	1" X 1 11/16" CLIP	6063-T5	YKK-AP
35	E9-8538	1" X 1 11/16" COVER	6063-T5	YKK-AP
36	E9-8562	1 1/8" X 3 1/2" CLIP	6063-T5	YKK-AP
37	E9-8563	1 1/8" X 3 1/2" COVER	6063-T5	YKK-AP
38	E9-4529	STRAP ANCHOR, MIN. LENGTH: 4-1/2"	6063-T5	YKK-AP
39	E1-1965	MULLION CLIP at 3/4"	6063-T5	YKK-AP
40	PC-1008-SS	#10 X 1/2" PH SMS SS AB	300 SS	
41	PC-1008	#10 X 1/2" PH SMS	SAE GR. 5	
42	PS-1016-SS	#10 X 1" PH SMS SS SELF DRILLING	410 SS	
43	PC-1016-SS	#10 X 1" PH SMS SS AB	300 SS	
44	PC-1208-SS	#12X1/2" PH SMS SS AB	300 SS	
45	E2-0768	JAMB BLOCK		
46		#10-16 x 3/4" SSMS (PH OR FH)		
47		SILICONE ADHESIVE	SILICONE	
48	BE9-4561	INTEGRAL MULL	6063-T5	YKK-AP
49	HD-2520-W3	1/4-20 X 1 HWHS-SS	300 SS	
50	E1-1970	TWIST ANCHOR	GALVANIZED STEEL	
51	BE9-4579	I MULLION	6063-T5	
51A				
52				
53	PC-0806SS	#8 X 3/8" PHSMS TYPE AB	STAINLESS STEEL	
54	E9-4587	4" SILL TRIM	6063-T5	YKK-AP
55	E1-2003	END DAM		

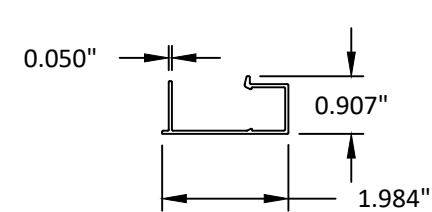
31 1 1/4" X 1" CLIP



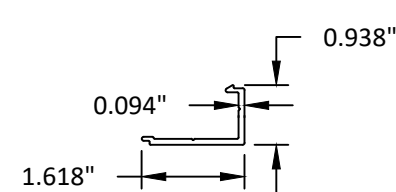
32 1 1/4" X 1" COVER



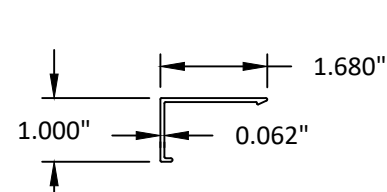
33 STRAP ANCHOR COVER



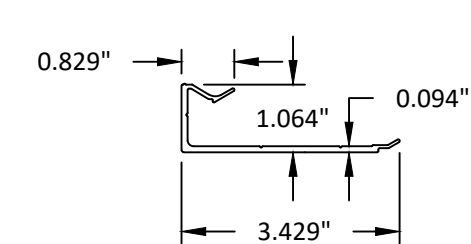
34 1" X 1 11/16" CLIP



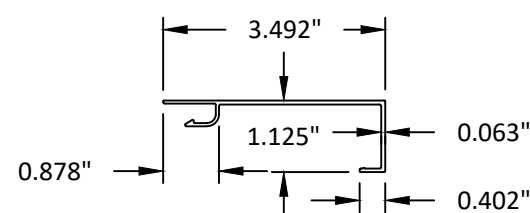
35 1" X 1 11/16" COVER



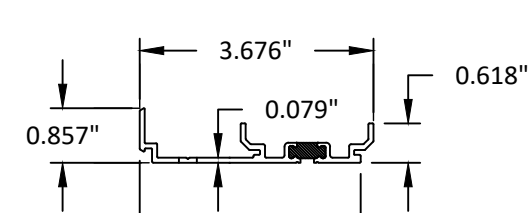
36 1 1/8" X 3 1/2" CLIP



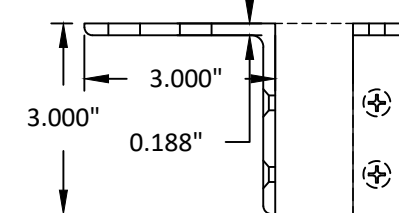
37 1 1/8" X 3 1/2" COVER



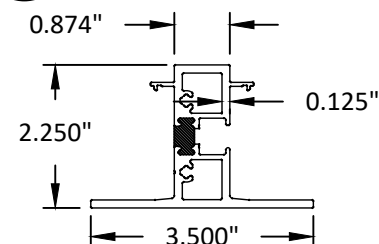
38 STRAP ANCHOR
MINIMUM 4 1/2" LENGTH



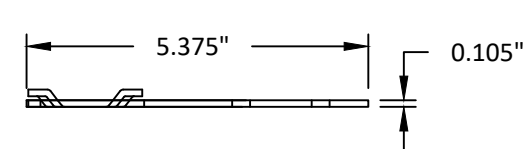
39 MULLION CLIP



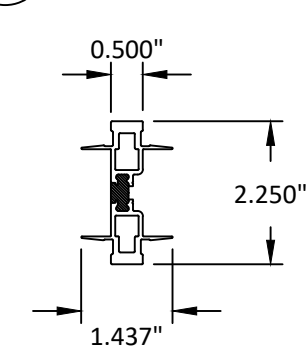
48 INTEGRAL MULL



50 TWIST ANCHOR



51 I MULLION



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YOW 225 TU THERMAL
ALUMINUM FIXED WINDOW
(NON-HVHZ) (NON-IMPACT)

BILL OF MATERIALS

PREPARED BY:

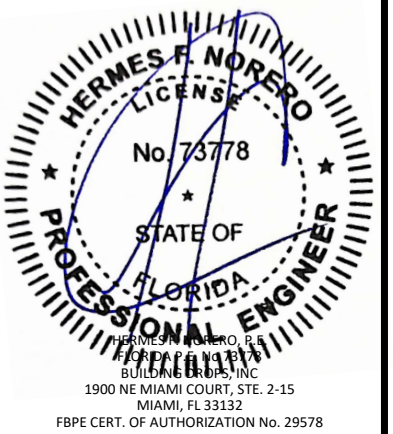
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DATE:	05.15.18
DWG. BY:	FM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK249
SHEET:	15 OF 15