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INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
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 ±1/2 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.
4. 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.
5. FOR INSTALLATION INTO WOOD FRAMING USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. 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.
7. 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.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
- 10.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.
- 11.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.
- 12.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
- 13.INSTALLATION SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR SEALING WINDOWS AND ACCESSORY ITEMS.

YKK AP America Inc.

YOW 225 TUH THERMAL ALUMINUM
FIXED WINDOW
(WZ3) (IMPACT)

GENERAL NOTES:

1. 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/A440-22

TAS 201-94

TAS 202-94

TAS 203-94
2. 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.
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** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
7. WINDOW FRAME MATERIAL: ALUMINUM 6063-T5
8. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.
9. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 13 FOR GLAZING DETAILS.

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7	STRAP INSTALLATION DETAILS
8	THROUGH FRAME INSTALLATION DETAILS
9	TRIM CLIP INSTALLATION DETAILS
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11	INTEGRAL & STACK MULL DETAILS
12	I MULLION DETAILS
13	GLAZING DETAILS
14	BILL OF MATERIALS
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FIXED WINDOW DESIGN PRESSURE TABLE		
MAX. SIZE	MAX. DP	IMPACT RATING
SEE SHEET 2	SEE SHEET 2	SEE SHEET 13



YKK AP America Inc.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
YOW 225 TUH THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

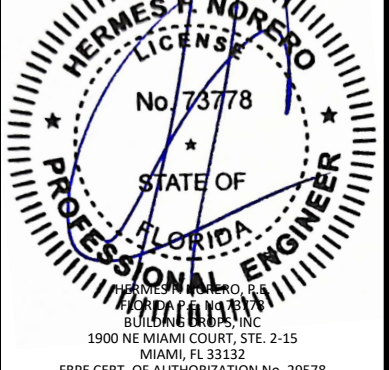
INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)999-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

BUILDING DROPS

REMARKS	BY	DATE
WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	05.28.19
8TH FBC CODE CHANGE	SH	06.05.23
9TH FBC CODE CHANGE	SH	07.31.26
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.03 18:09:22 -0400



FL #:
FL16314

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05.15.18

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CHK. BY:
HFN

SCALE:
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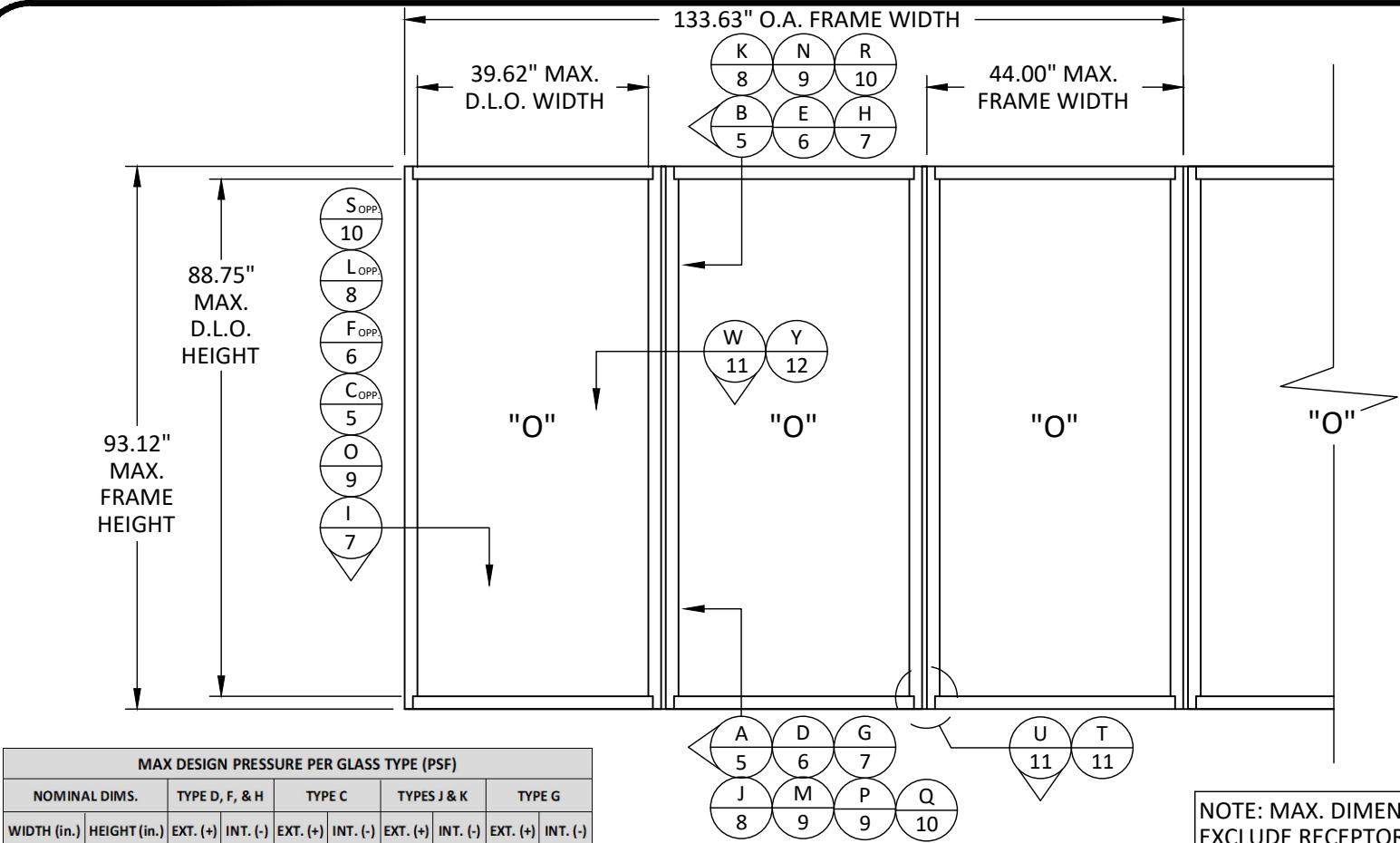
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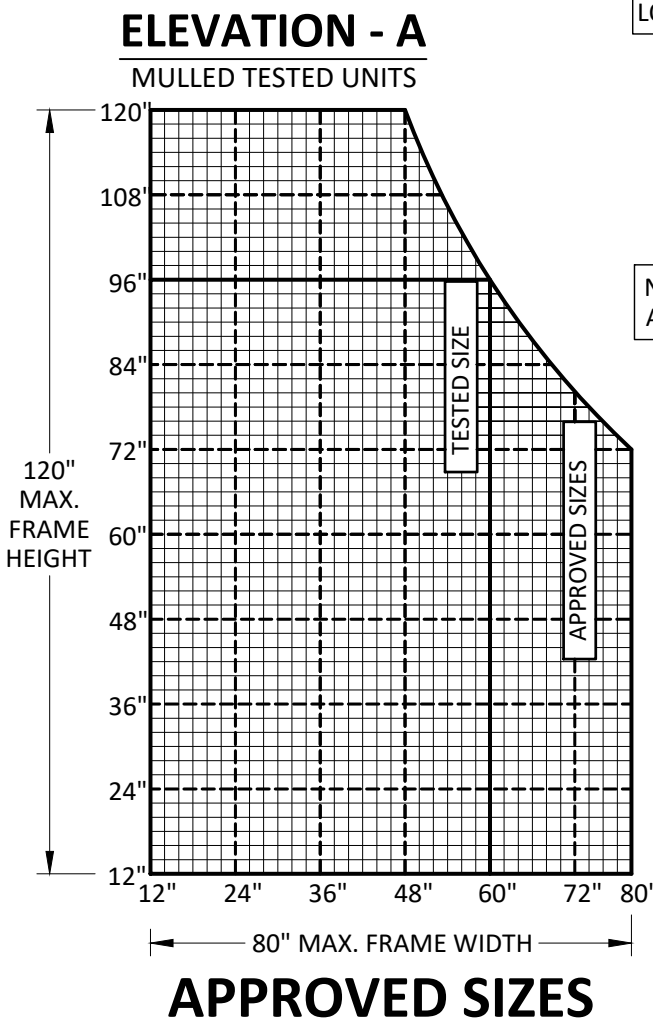
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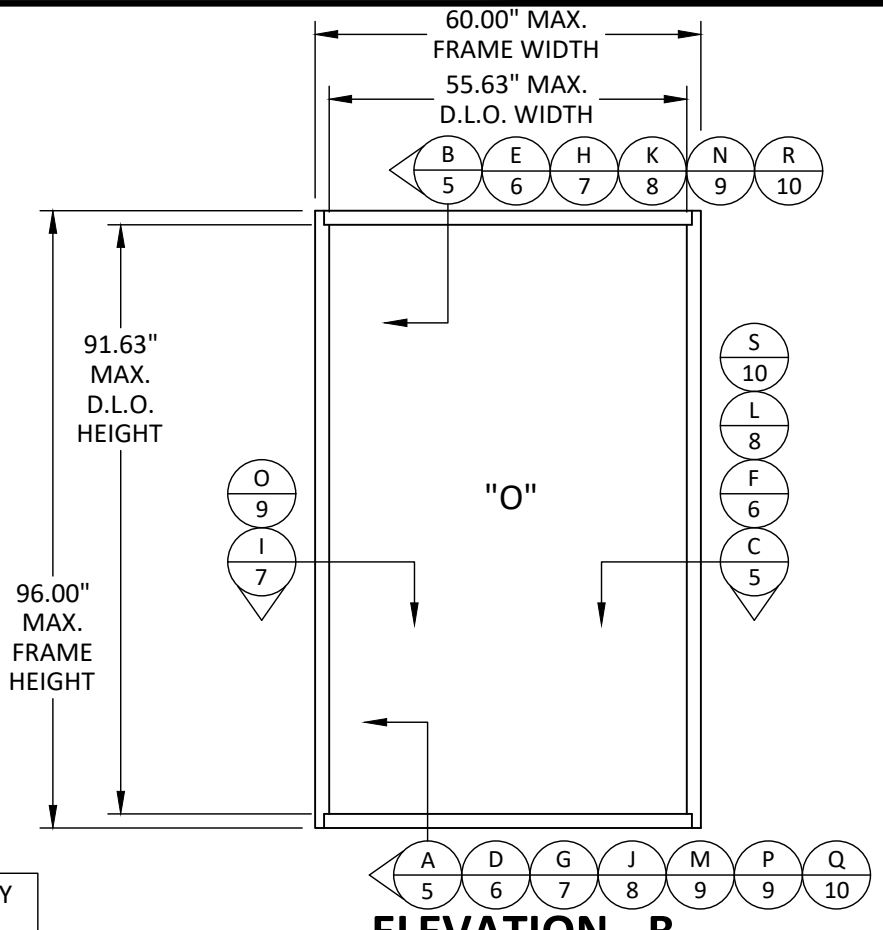
MAX DESIGN PRESSURE PER GLASS TYPE (PSF)									
NOMINAL DIMS.		TYPE D, F, & H		TYPE C		TYPES J & K		TYPE G	
WIDTH (in.)	HEIGHT (in.)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
54	72	70.0	90.0	65.0	65.0	80.0	80.0	90.0	90.0
60		70.0	90.0	-	-	-	-	90.0	90.0
66		70.0	90.0	-	-	-	-	90.0	90.0
72		70.0	90.0	-	-	-	-	90.0	90.0
78		68.8	88.4	-	-	-	-	88.4	88.4
80	78	65.6	84.4	-	-	-	-	84.4	84.4
48		70.0	90.0	65.0	65.0	80.0	80.0	90.0	90.0
54		70.0	90.0	-	-	-	-	90.0	90.0
60		70.0	90.0	-	-	-	-	90.0	90.0
66		70.0	90.0	-	-	-	-	90.0	90.0
72	84	70.0	90.0	-	-	-	-	90.0	90.0
48		70.0	90.0	65.0	65.0	79.4	79.4	90.0	90.0
54		70.0	90.0	-	-	-	-	90.0	90.0
60		70.0	90.0	-	-	-	-	90.0	90.0
66		70.0	90.0	-	-	-	-	90.0	90.0
68	90	70.0	90.0	-	-	-	-	90.0	90.0
44		70.0	90.0	65.0	65.0	80.0	80.0	90.0	90.0
48		70.0	90.0	-	-	-	-	90.0	90.0
54		70.0	90.0	-	-	-	-	90.0	90.0
60		70.0	90.0	-	-	-	-	90.0	90.0
64	93.125	70.0	90.0	-	-	-	-	90.0	90.0
44		70.0	90.0	-	-	80.0	80.0	90.0	90.0
48		70.0	90.0	-	-	-	-	90.0	90.0
54		70.0	90.0	-	-	-	-	90.0	90.0
60		70.0	90.0	-	-	-	-	90.0	90.0
42	96	70.0	90.0	65.0	65.0	80.0	80.0	90.0	90.0
48		70.0	90.0	-	-	-	-	90.0	90.0
54		70.0	90.0	-	-	-	-	90.0	90.0
60		70.0	90.0	-	-	-	-	90.0	90.0
60		70.0	90.0	-	-	-	-	90.0	90.0
36	102	70.0	90.0	65.0	65.0	80.0	80.0	90.0	90.0
42		70.0	90.0	-	-	-	-	90.0	90.0
48		70.0	90.0	-	-	-	-	90.0	90.0
54		70.0	90.0	-	-	-	-	90.0	90.0
56		70.0	90.0	-	-	-	-	90.0	90.0
36	108	70.0	90.0	65.0	65.0	80.0	80.0	90.0	90.0
42		70.0	90.0	-	-	-	-	90.0	90.0
48		70.0	90.0	-	-	-	-	90.0	90.0
53		70.0	90.0	-	-	-	-	90.0	90.0
30		70.0	90.0	65.0	65.0	80.0	80.0	90.0	90.0
36	114	70.0	90.0	-	-	80.0	80.0	90.0	90.0
42		70.0	90.0	-	-	-	-	90.0	90.0
48		70.0	90.0	-	-	-	-	90.0	90.0
50		70.0	90.0	-	-	-	-	90.0	90.0
30		70.0	90.0	65.0	65.0	80.0	80.0	90.0	90.0
36	120	70.0	90.0	-	-	-	-	90.0	90.0
42		70.0	90.0	-	-	-	-	90.0	90.0
48		70.0	90.0	-	-	-	-	90.0	90.0



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

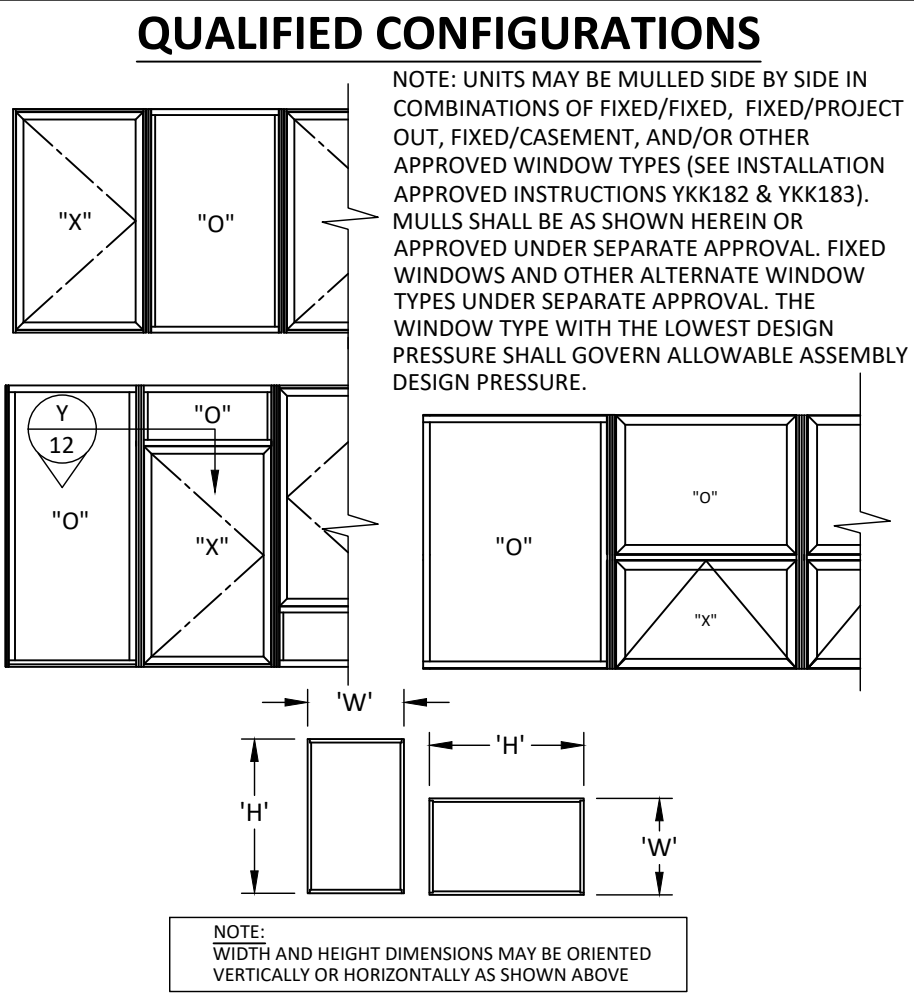
NOTES: MAX. SIZES VARY BASED ON APPROVED SIZES CHART.

- NOTES:
- SIZES AND DESIGN PRESSURES SHOWN TO THE LEFT APPLY TO A SINGLE FIXED WINDOW UNIT. MULLIONS SHALL BE UNDER SEPARATE APPROVAL.
 - DESIGN PRESSURES ARE LIMITED TO THE LESSER OF COMPARATIVE ANALYSIS PER FBC CHAPTER 17 AND GLASS CAPACITIES PER ASTM E1300 (3 SEC GUST).
 - SQUARE FOOTAGE AREA HAS BEEN LIMITED TO EQUAL TO OR LESS THAN TESTED AREA (40 SQ. FT.).
 - SEE SHEET 13 FOR MISSILE IMPACT RATINGS AND GLAZING DETAILS.



ELEVATION - B

SINGLE TESTED UNIT



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

YKK AP America Inc.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YOW 225 TUI THERMAL ALUMINUM FIXED WINDOW (WZ3) (IMPACT)

ELEVATIONS & QUALIFIED CONFIGURATIONS

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
SILL FLASHING UPDATE	HR	05.28.19
8TH FBC CODE CHANGE	SH	06.05.23
9TH FBC CODE CHANGE	SH	07.31.26

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HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL16314

DATE: 05.15.18

DWG. BY: AR	CHK. BY: HFN
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SCALE: NTS

DWG. #: YKK184

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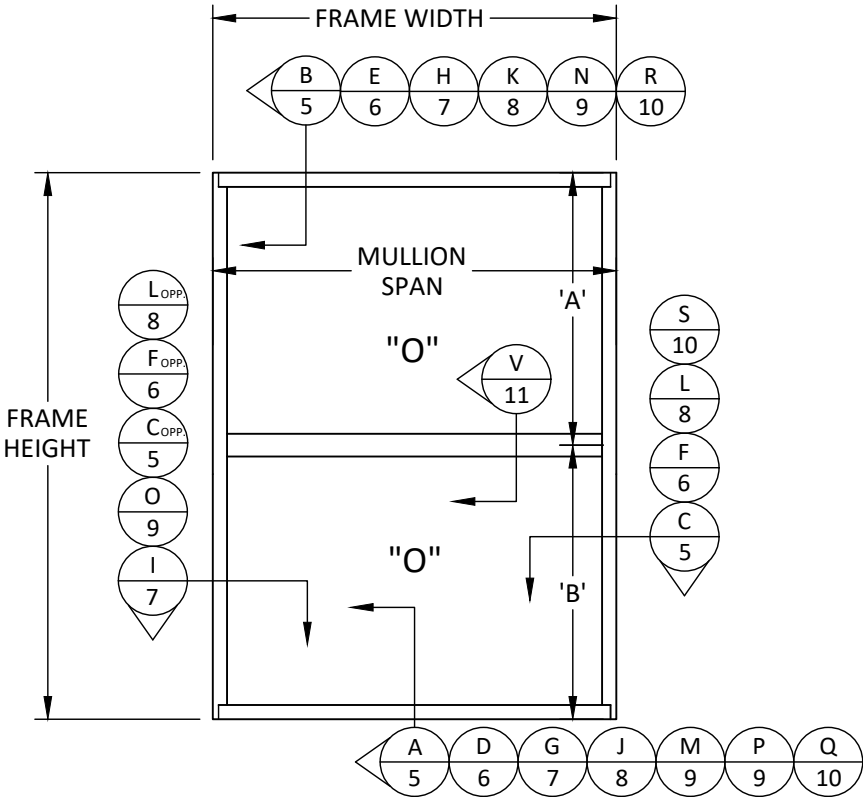
HORIZONTAL MULLION (BE9-4512) DESIGN PRESSURE TABLE			
MULLION DIM.		DESIGN PRESSURE (PSF)	
HEIGHT (IN.)	SPAN (IN.)	+	-
24.00	24.00	65.0	65.0
30.00		65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00	36.00	65.0	65.0
60.00		65.0	65.0
24.00		65.0	65.0
30.00		65.0	65.0
36.00		65.0	65.0
42.00	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	62.3	62.3
36.00		54.1	54.1
42.00		48.7	48.7
48.00		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 13 FOR MISSILE IMPACT RATINGS
- SEE SHEET 2 FOR DESIGN PRESSURES BASED ON GLASS TYPE. SEE SHEET 13 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 40 SQ. FT.

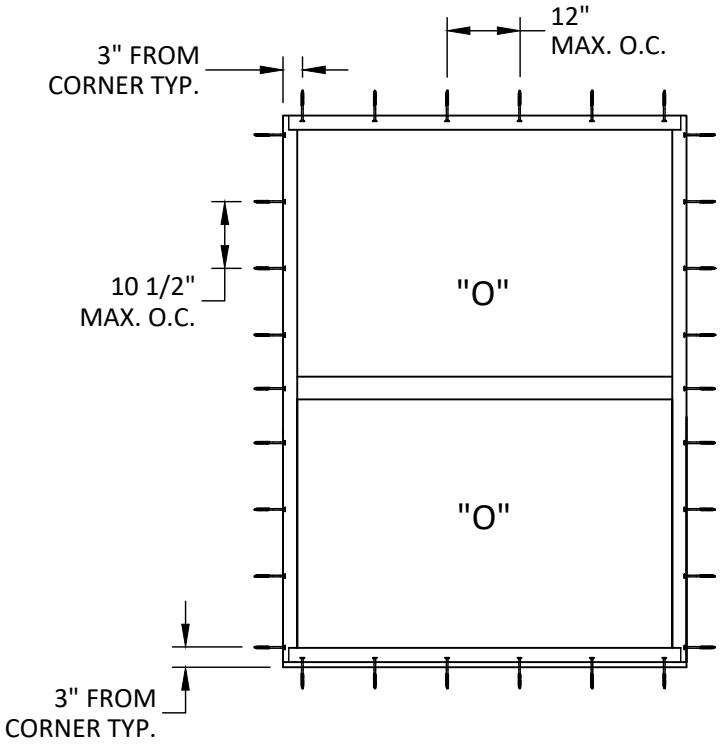
MULLION HEIGHT = (A+B)/2

MULLION SPAN = FRAME WIDTH



ELEVATION - C
INTEGRAL MULL UNITS

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



ANCHOR LAYOUT
ALL INSTALLATIONS

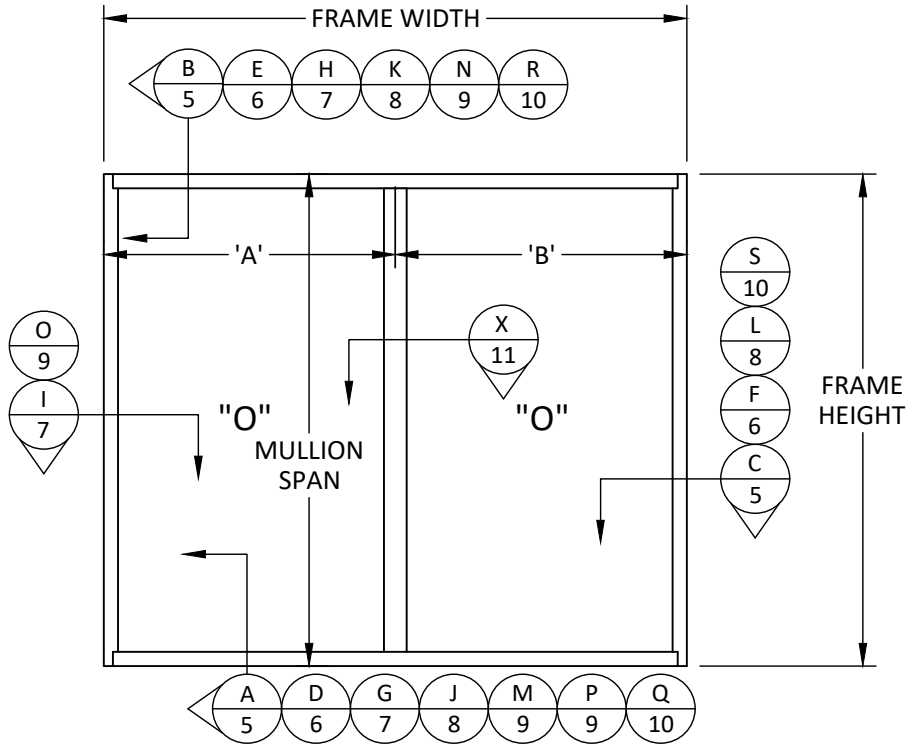
VERTICAL MULLION (BE9-4561) DESIGN PRESSURE TABLE			
MULLION DIM.		DESIGN PRESSURE (PSF)	
WIDTH (IN.)	SPAN (IN.)	+	-
24.00	24.00	65.0	65.0
30.00		65.0	65.0
36.00		65.0	65.0
44.00		65.0	65.0
48.00		65.0	65.0
54.00	36.00	65.0	65.0
60.00		65.0	65.0
66.00		65.0	65.0
72.00		65.0	65.0
24.00		65.0	65.0
30.00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

NOTE:

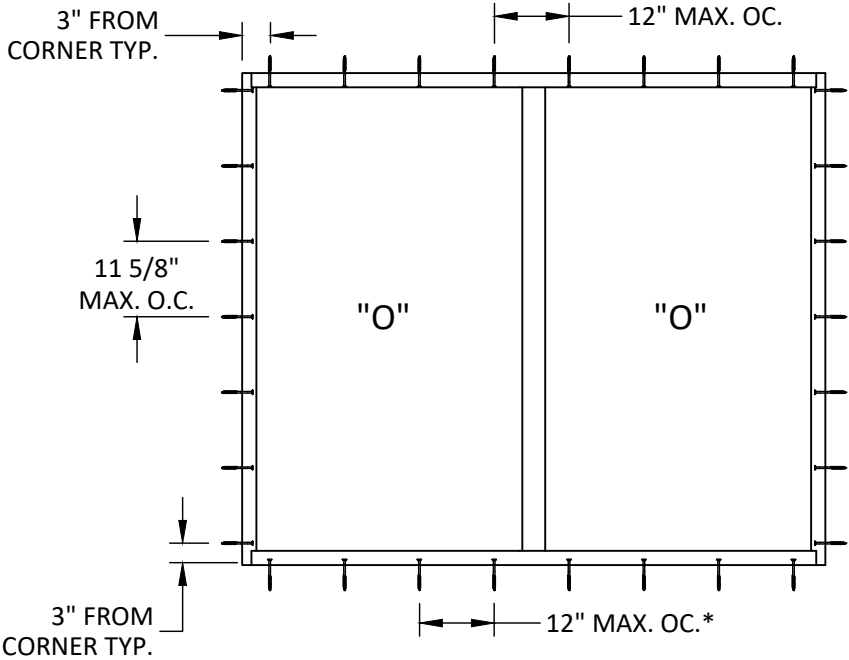
- DESIGN PRESSURES APPLY TO FIXED WINDOW UNITS UTILIZING A MULLION AS SHOWN IN ELEVATION D, DETAIL X/11.
- DESIGN PRESSURES HAVE BEEN DETERMINED IN ACCORDANCE WITH CHAPTER 17.
- SEE SHEET 13 FOR MISSILE IMPACT RATINGS
- SEE SHEET 2 FOR DESIGN PRESSURES BASED ON GLASS TYPE. SEE SHEET 13 FOR GLAZING DETAILS. 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 40 SQ. FT.

MULLION TRIBUTARY WIDTH = (A+B)/2

MULLION SPAN = FRAME HEIGHT



ELEVATION - D
INTEGRAL MULL UNITS



ANCHOR LAYOUT
ALL INSTALLATIONS

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



YKK AP America Inc.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
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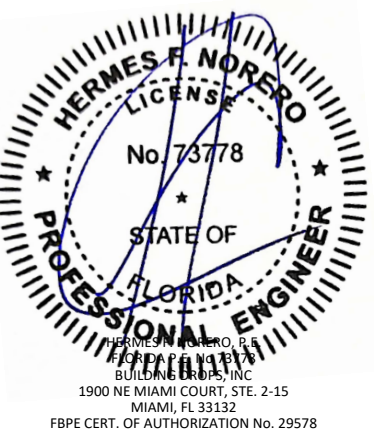
TITLE: YOW 225 TUB THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)
ELEVATIONS &
ANCHOR LAYOUTS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
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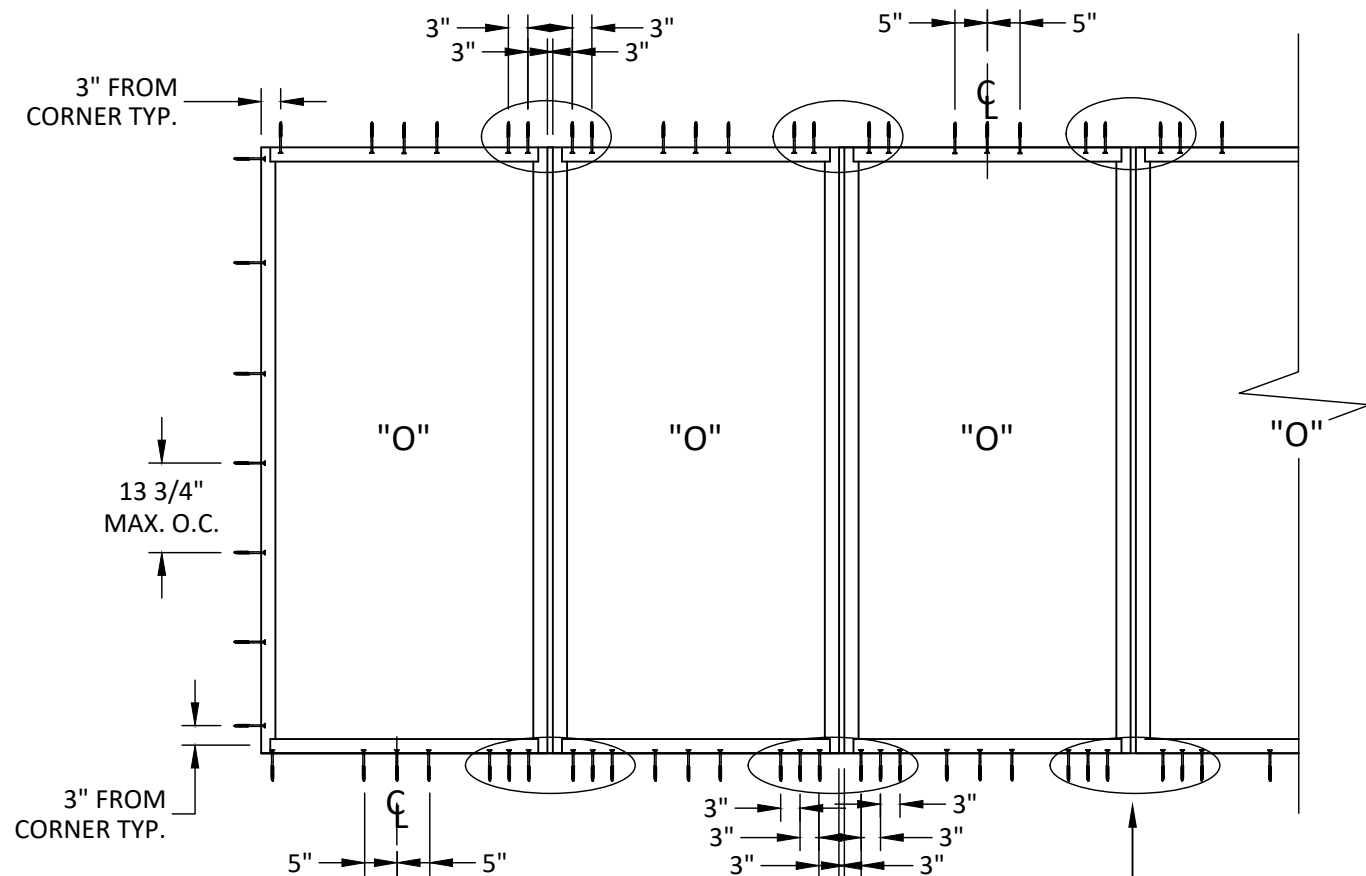


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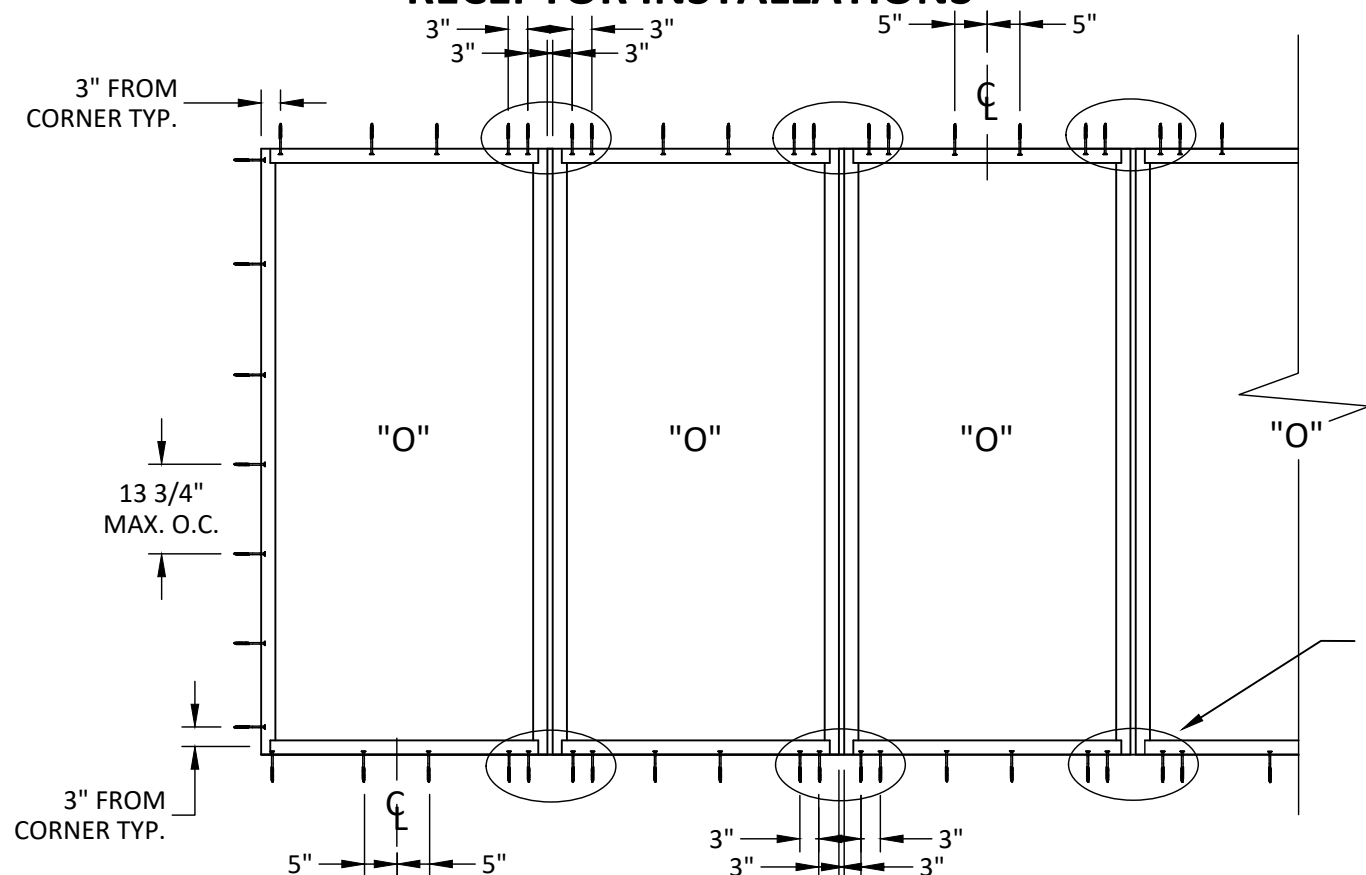
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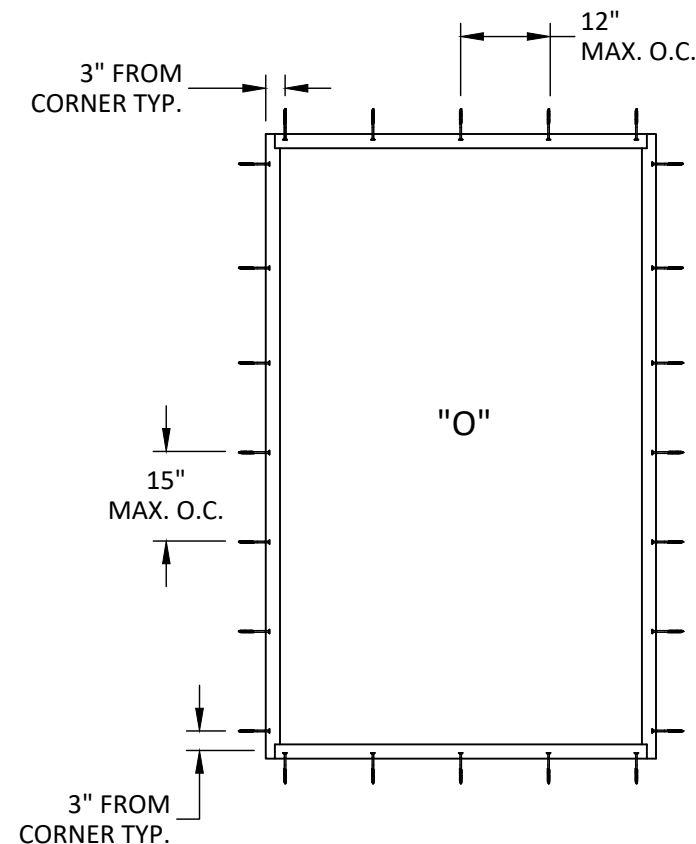
ANCHOR LAYOUT RECEPTOR INSTALLATIONS

CONCENTRATED ANCHORS - TYP.
SEE CONCENTRATED ANCHOR TABLE
FOR INSTALLATION REQUIREMENTS
DEPENDENT ON DESIGN LOADS.



ANCHOR LAYOUT STRAP, CLIP, TRIM/CLIP OR THRU FRAME INSTALLATIONS

CONCENTRATED ANCHORS - TYP.
SEE CONCENTRATED ANCHOR TABLE
FOR INSTALLATION REQUIREMENTS
DEPENDENT ON DESIGN LOADS.



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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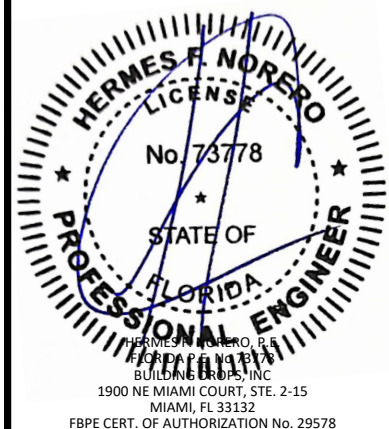
TITLE: YOW 225 THERMAL ALUMINUM FIXED WINDOW (WZ3) (IMPACT)
ANCHOR LAYOUTS & HARDWARE SCHEDULE

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)999-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	05.28.19
8TH FBC CODE CHANGE	SH	06.05.23
9TH FBC CODE CHANGE	SH	07.31.26

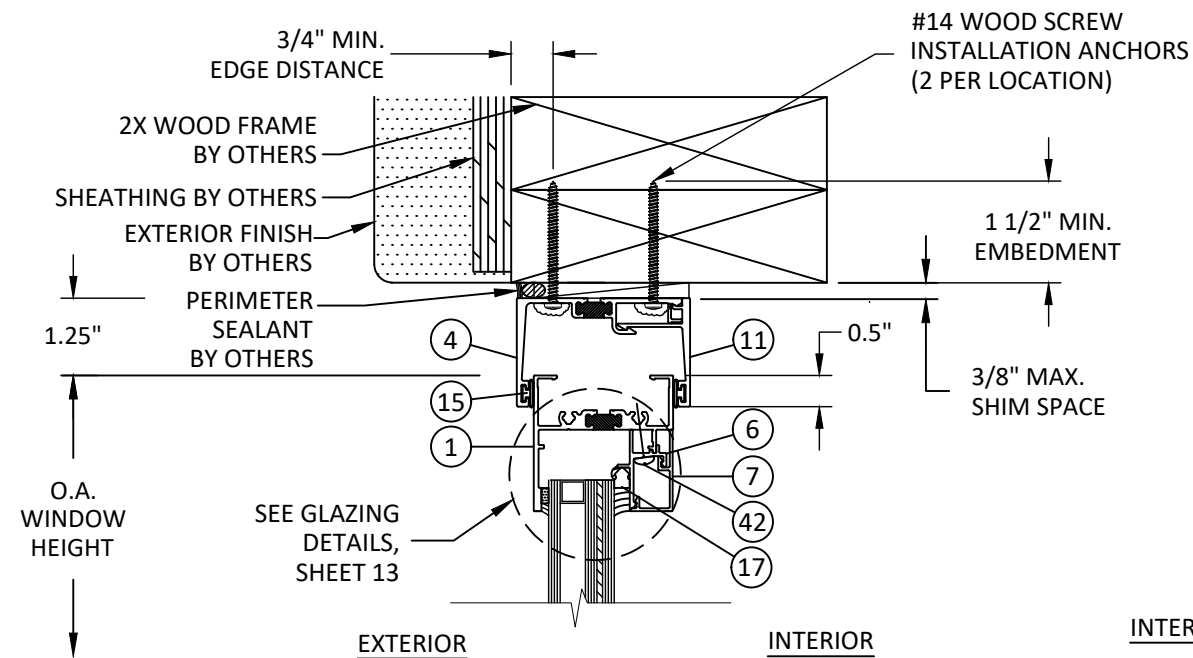
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



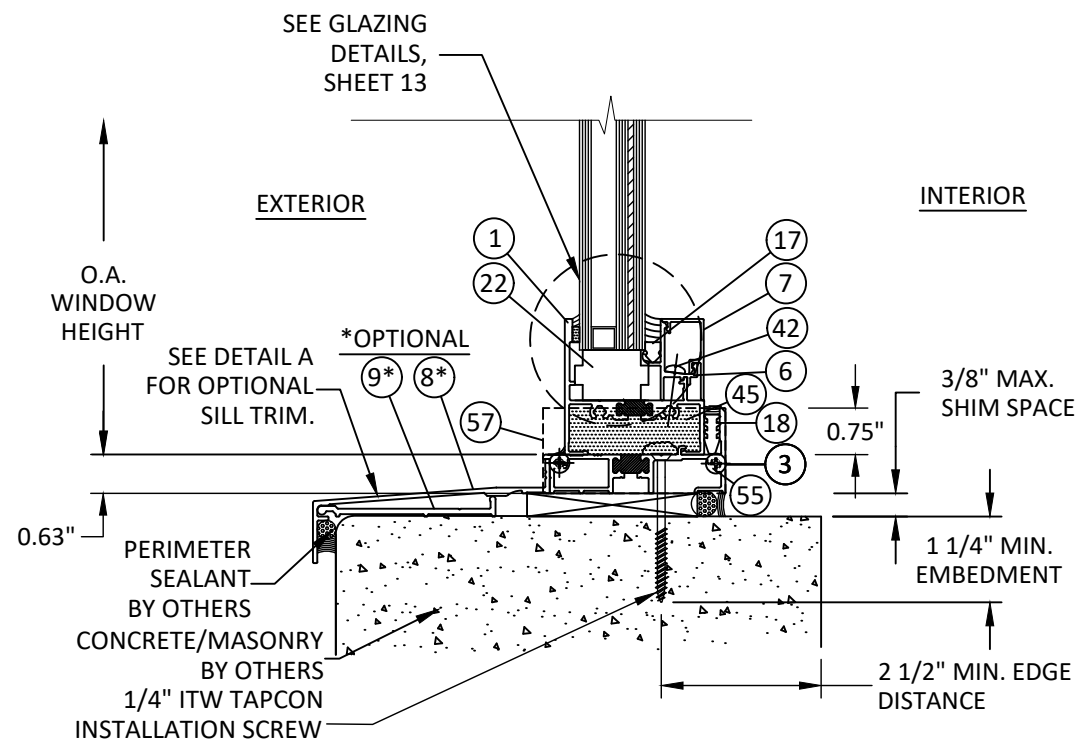
FL #:	FL16314
DATE:	05.15.18
DWG. BY:	AR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK184
SHEET:	4
REV.	E
OF	16

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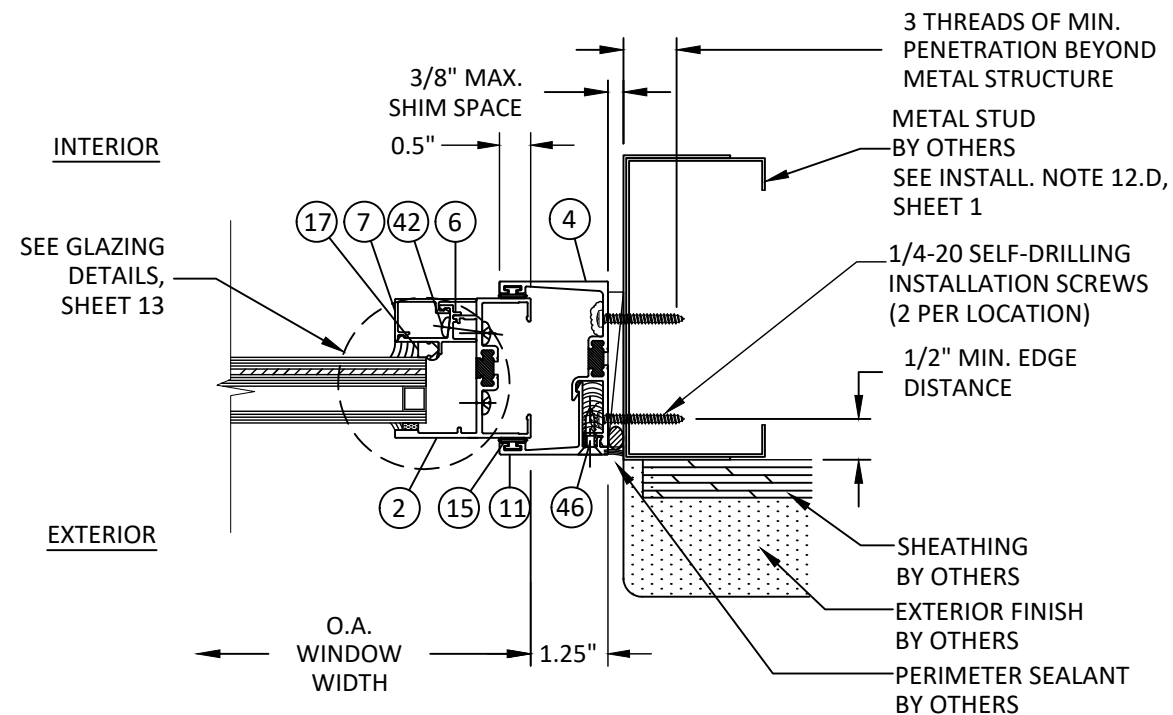
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B
5 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD FRAME
INT. SET RECEPTOR - TYP.

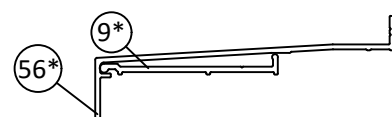


A
5 **VERTICAL SECTION**
FIXED SILL - CONCRETE/MASONRY
RECEPTOR - TYP.



C
5 **HORIZONTAL SECTION**
FIXED JAMB - METAL STUD FRAME
EXT. SET RECEPTOR - TYP.

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



**OPTIONAL SILL TRIM
DETAIL A**



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ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

RECEPTOR INSTALLATION DETAILS

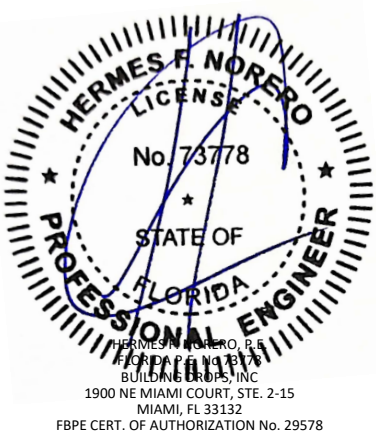
PREPARED BY: BUILDING DROPS, INC.

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PH: (954)999-8478
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WEEP HOLE REMOVAL	JA	05.15.18
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8TH FBC CODE CHANGE	SH	06.05.23
9TH FBC CODE CHANGE	SH	07.31.26

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FL16314

DATE: **05.15.18**

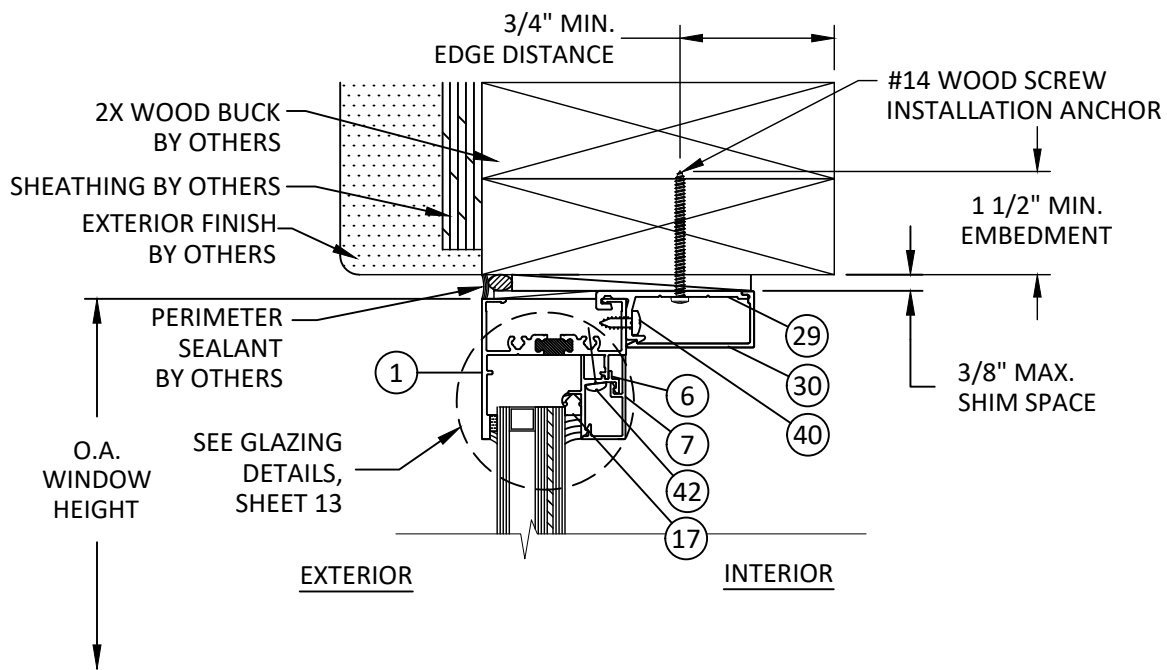
DWG. BY: **AR** CHK. BY: **HFN**

SCALE: **NTS**

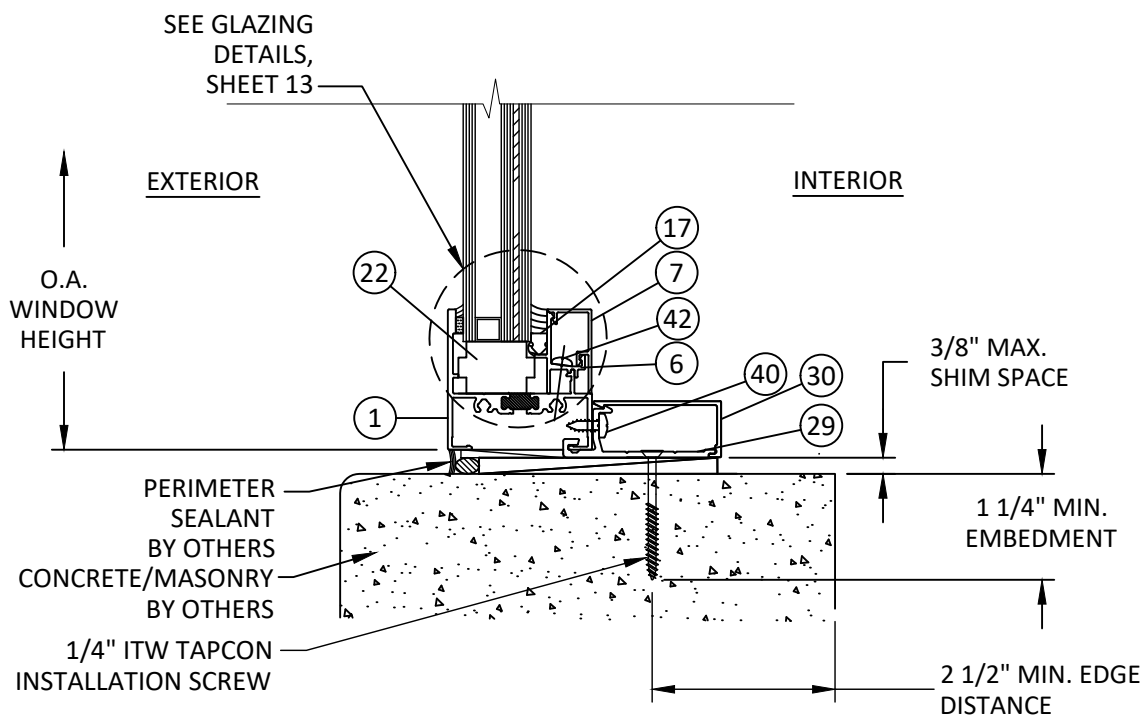
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SHEET: **5** REV. **E**

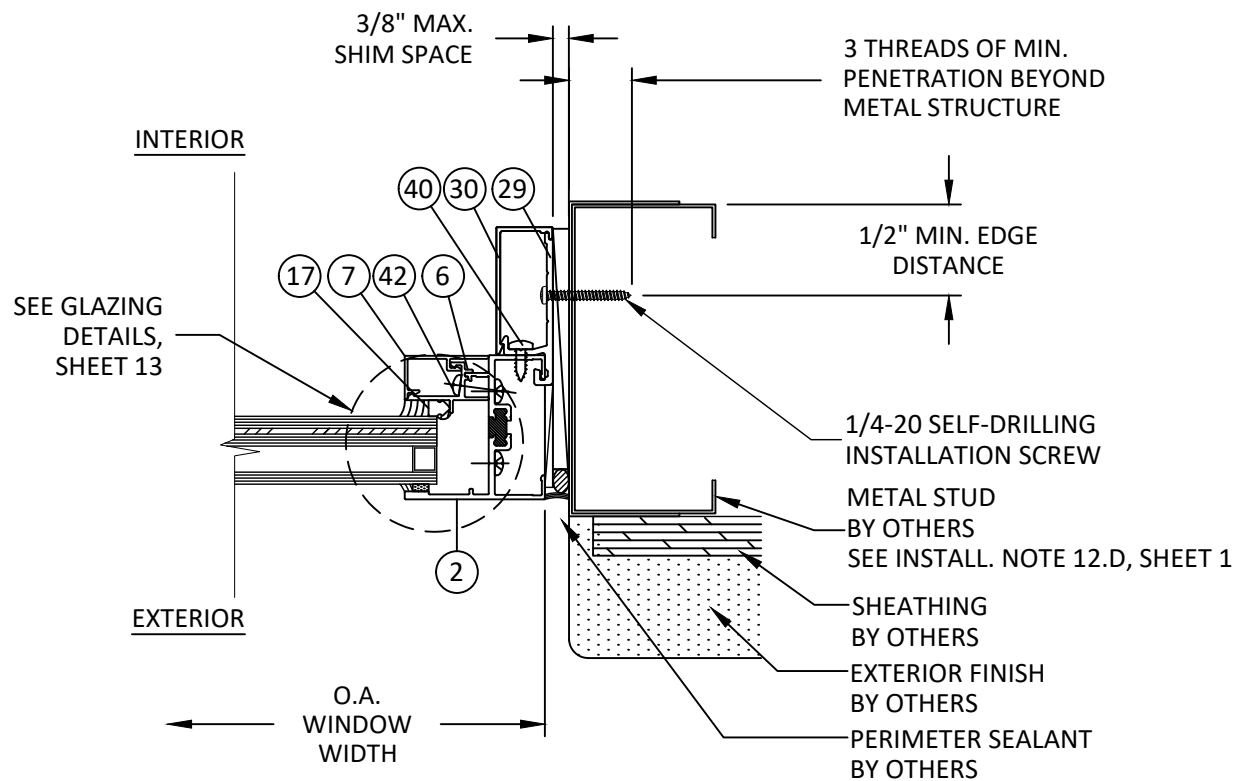
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E
6 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD FRAME
CLIP ANCHOR - TYP.



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



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



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TITLE: YOW 225 TUB THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

CLIP INSTALLATION DETAILS

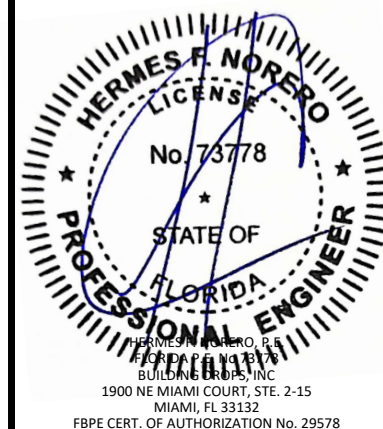
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REMARKS	BY	DATE
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SILL FLASHING UPDATE	HR	05.28.19
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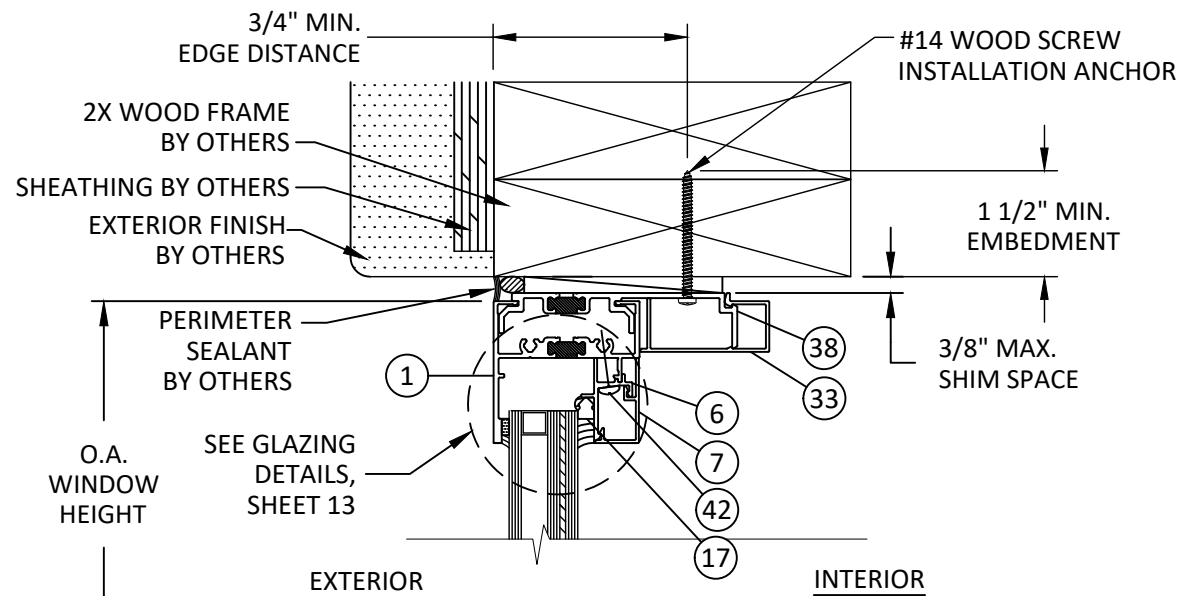
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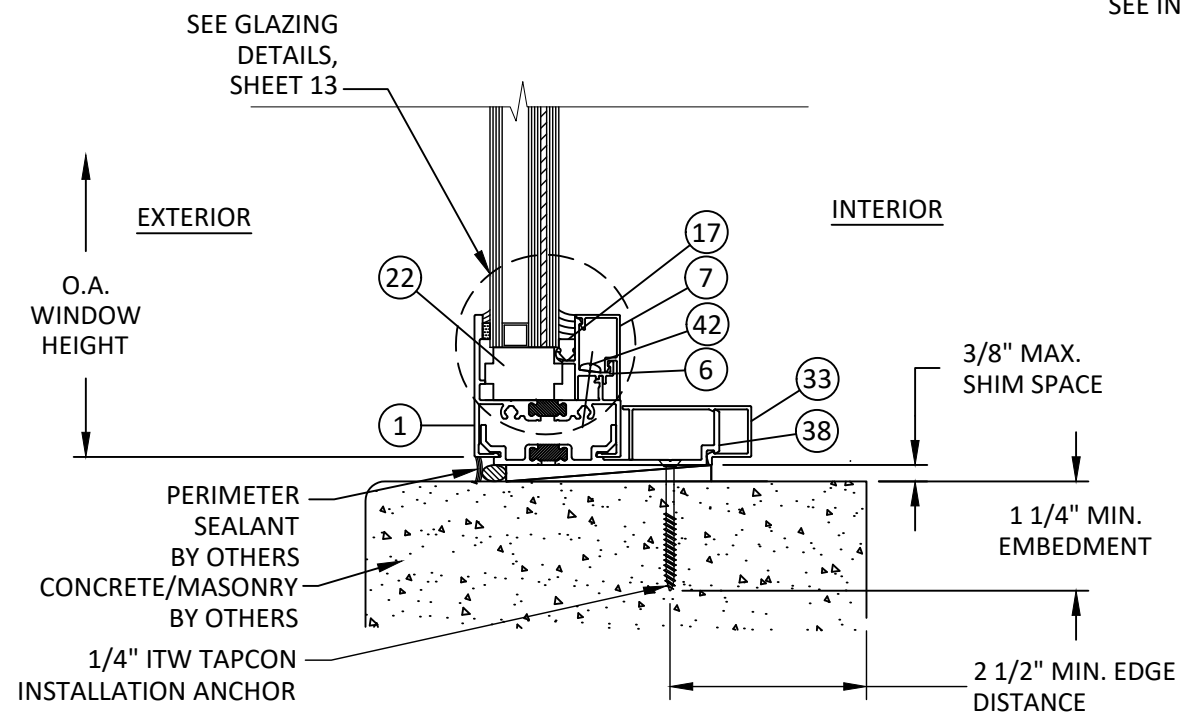
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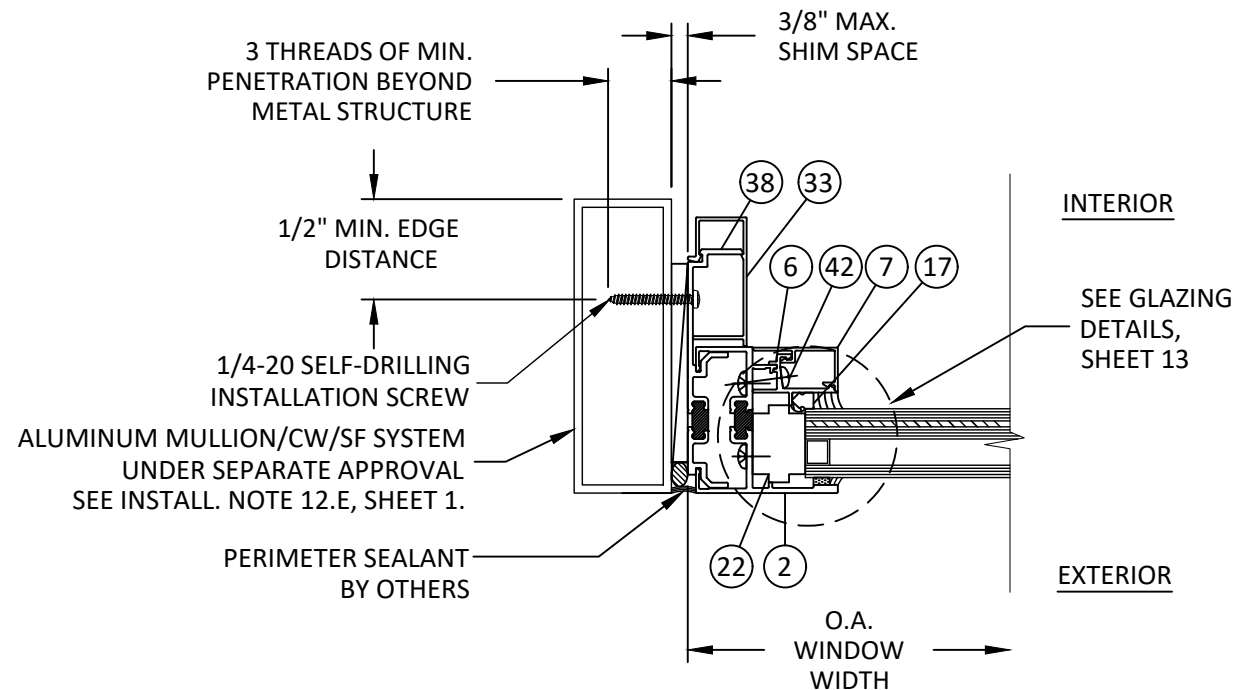
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**H
7** **VERTICAL SECTION**
FIXED HEAD - 2X WOOD FRAME
STRAP ANCHOR - TYP.



**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: YOW 225 THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

STRAP INSTALLATION DETAILS

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REMARKS	BY	DATE
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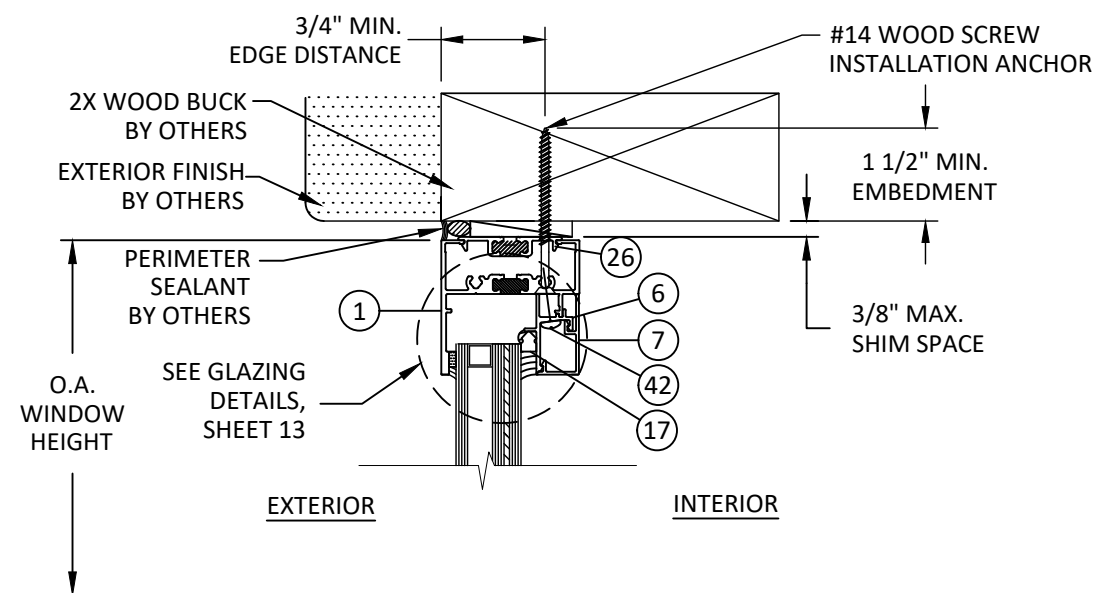
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SCALE: **NTS**

DWG. #: **YKK184**

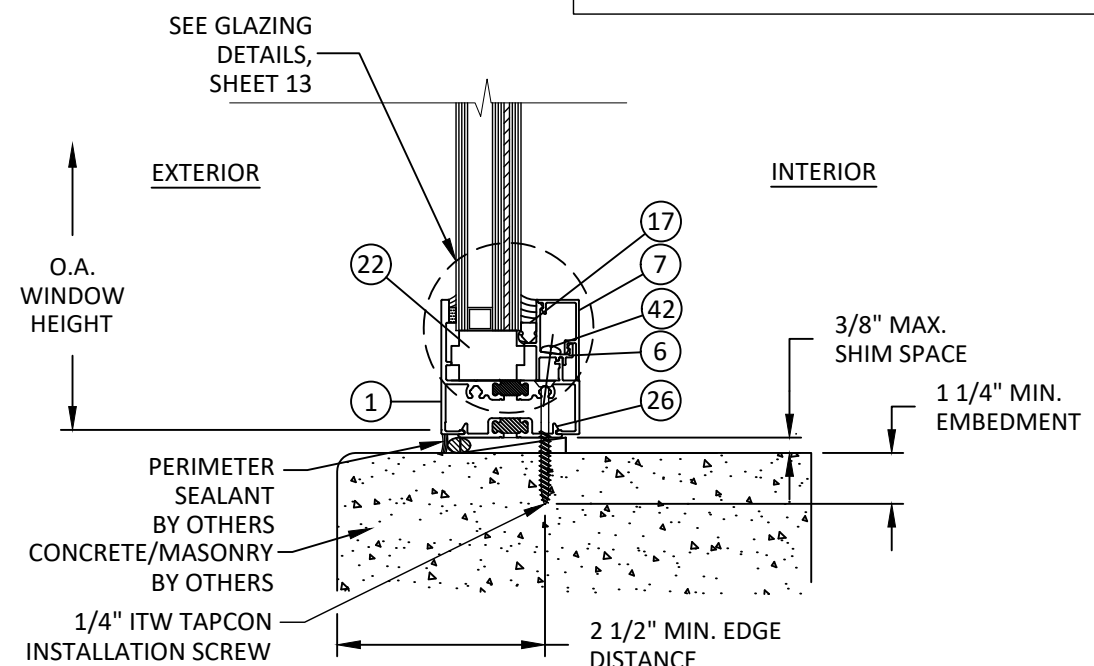
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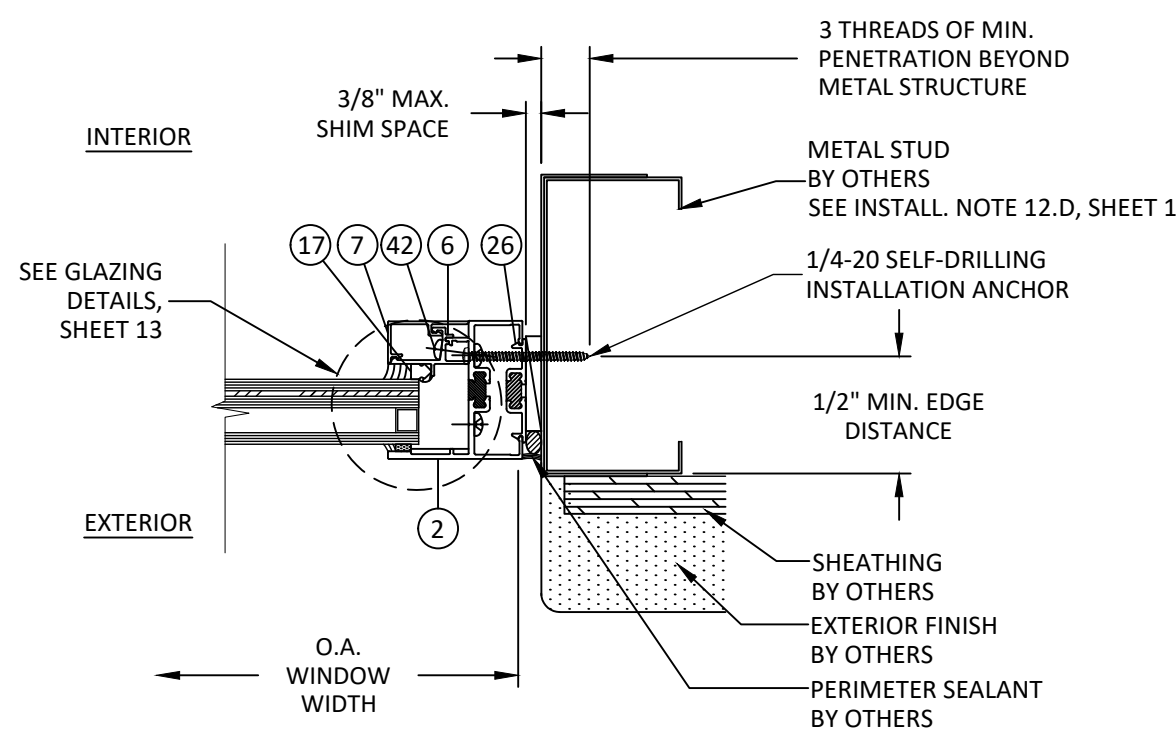


K8
VERTICAL SECTION
FIXED HEAD - 2X WOOD BUCK
THROUGH FRAME - TYP.

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



J8
VERTICAL SECTION
FIXED SILL - CONCRETE/MASONRY
THROUGH FRAME - TYP.



L8
HORIZONTAL SECTION
FIXED JAMB - METAL STUD FRAME
THROUGH FRAME - TYP.



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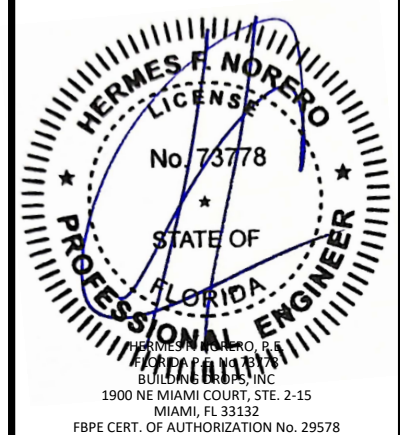
TITLE: YOW 225 THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

THROUGH FRAME
INSTALLATION DETAILS

PREPARED BY:
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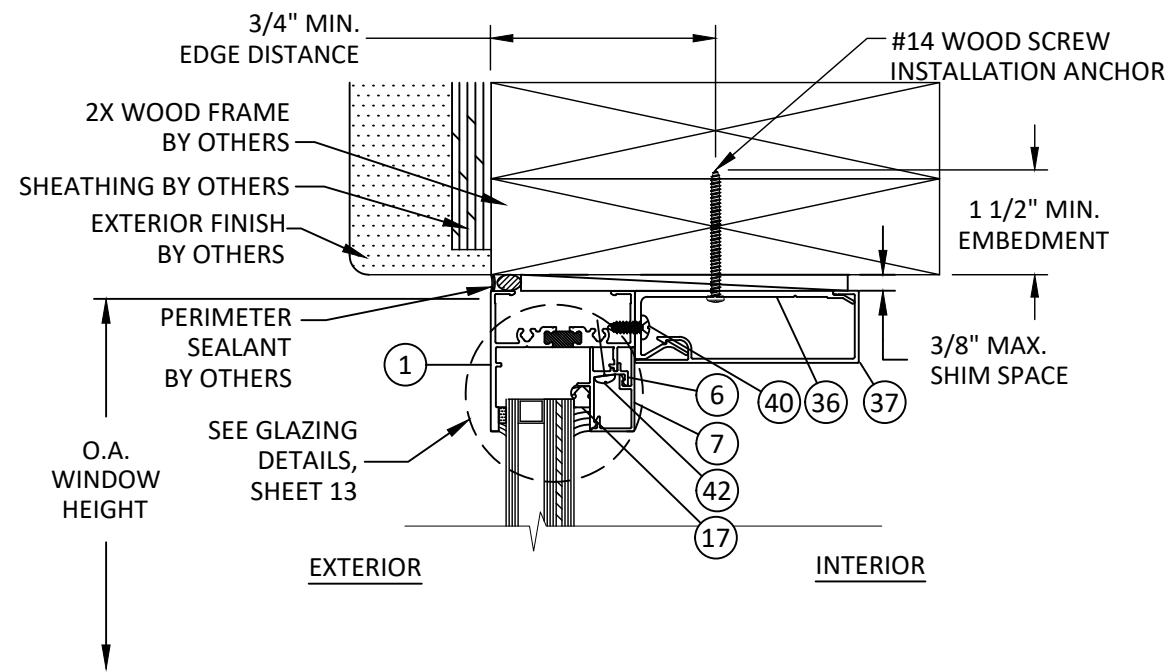
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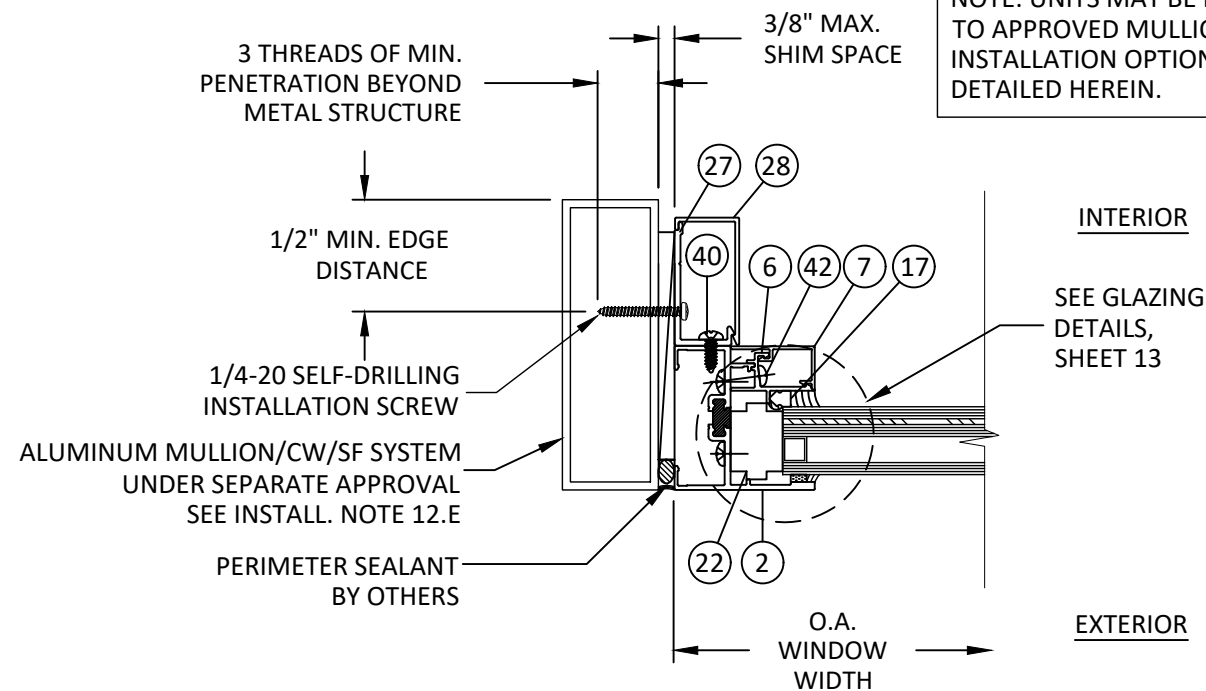
FL #:	FL16314
DATE:	05.15.18
DWG. BY:	AR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK184
SHEET:	8
REV.	E

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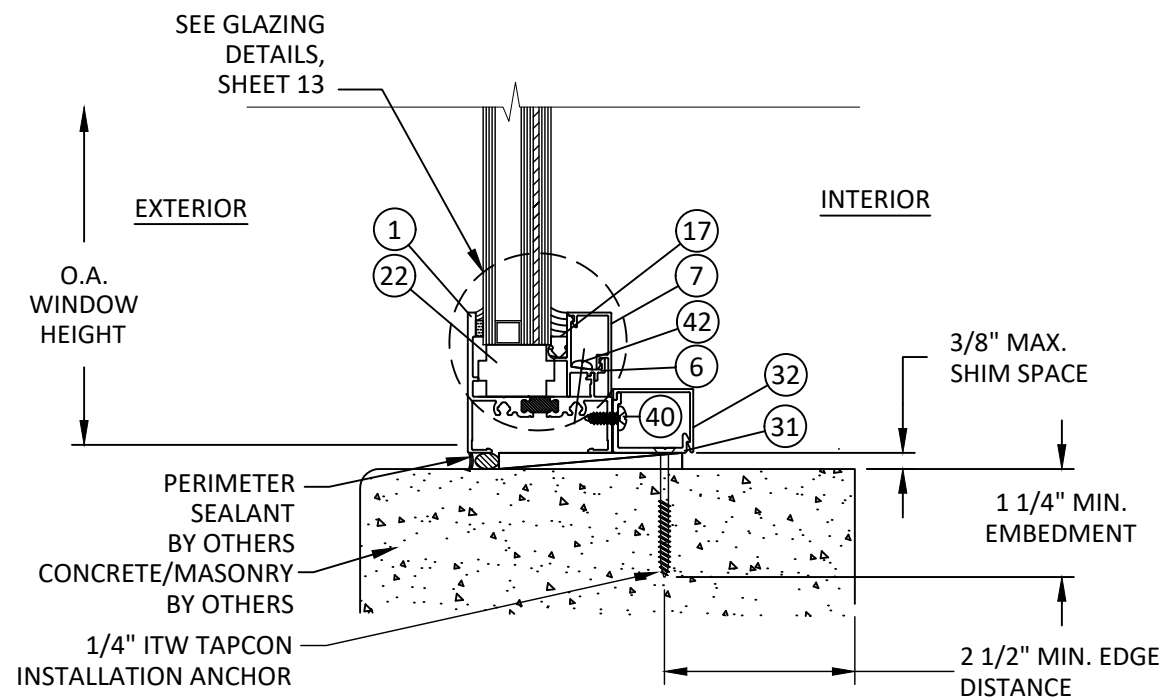
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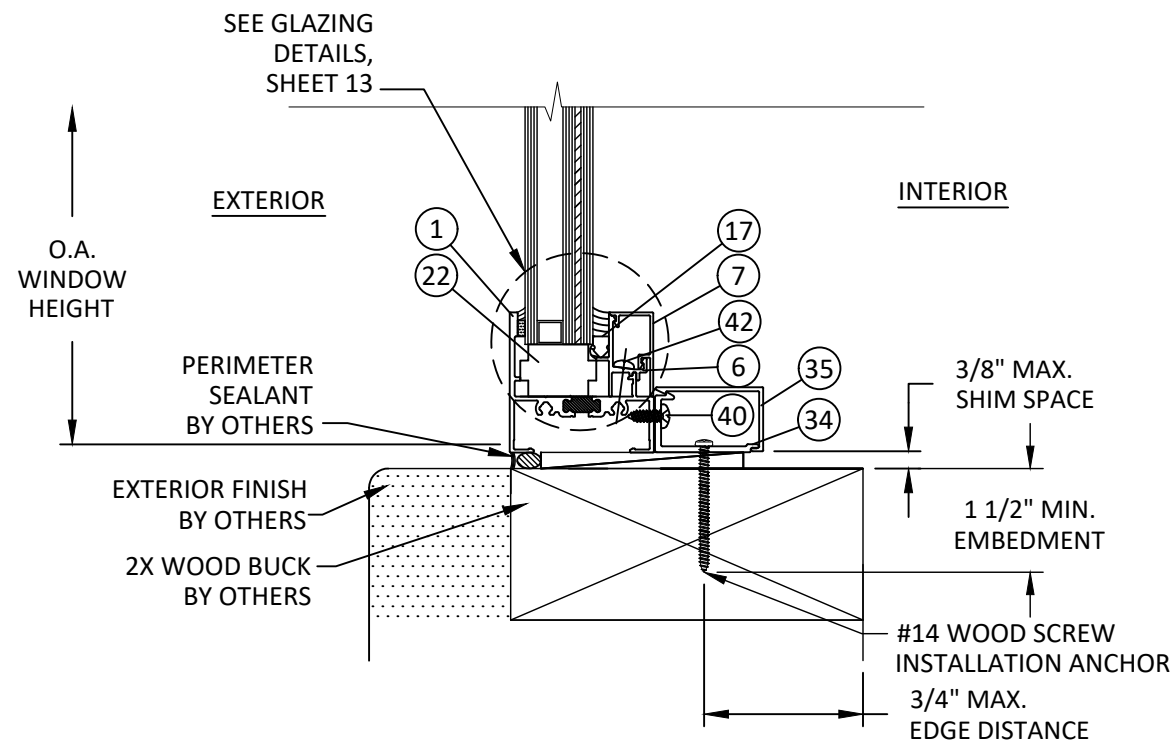
N9 VERTICAL SECTION
FIXED HEAD - 2X WOOD FRAME
TRIM CLIP ANCHOR - TYP.



O9 HORIZONTAL SECTION
FIXED JAMB - MULL TUBE FRAME
TRIM CLIP ANCHOR - TYP.



M9 VERTICAL SECTION
FIXED SILL - CONCRETE/MASONRY
TRIM CLIP ANCHOR - TYP.



P9 VERTICAL SECTION
FIXED SILL - 2X WOOD BUCK
TRIM CLIP ANCHOR - TYP.

NOTE: UNITS MAY BE FASTENED
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ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

TRIM CLIP ANCHOR INSTALLATION

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CHK. BY: HFN

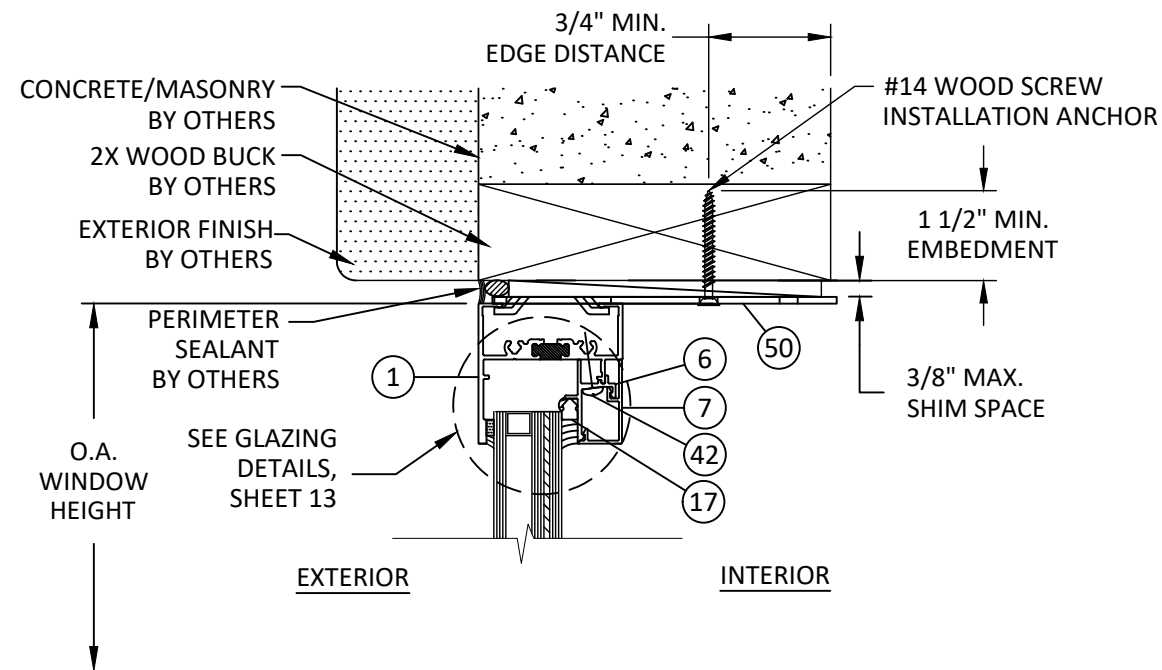
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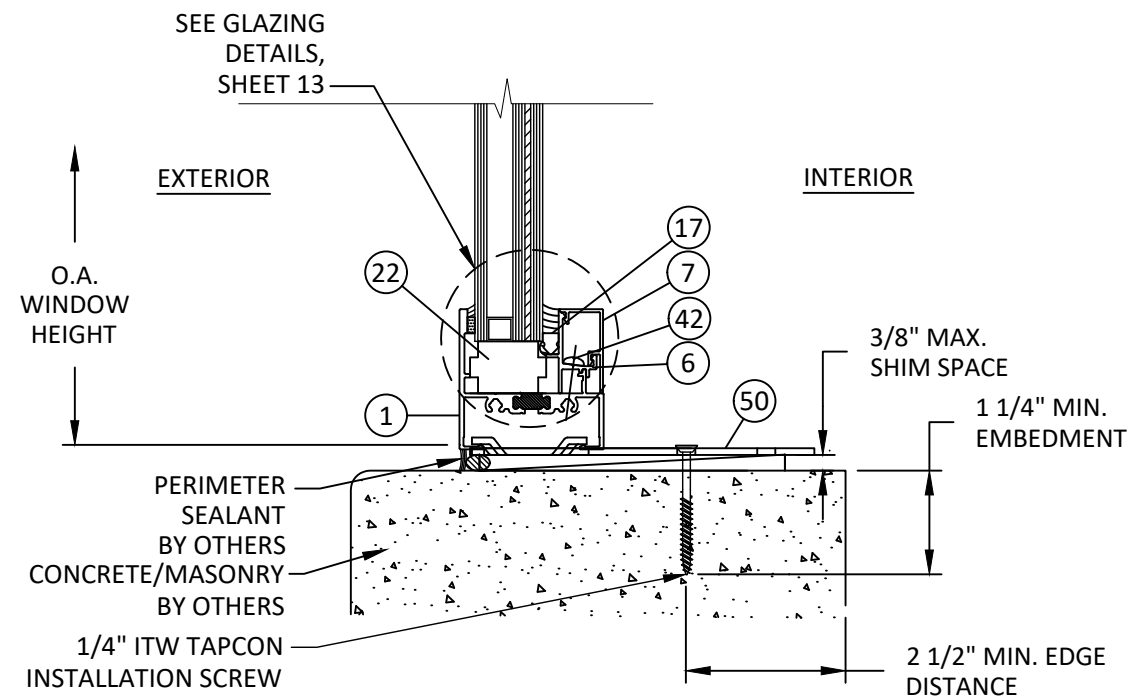
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REV. E

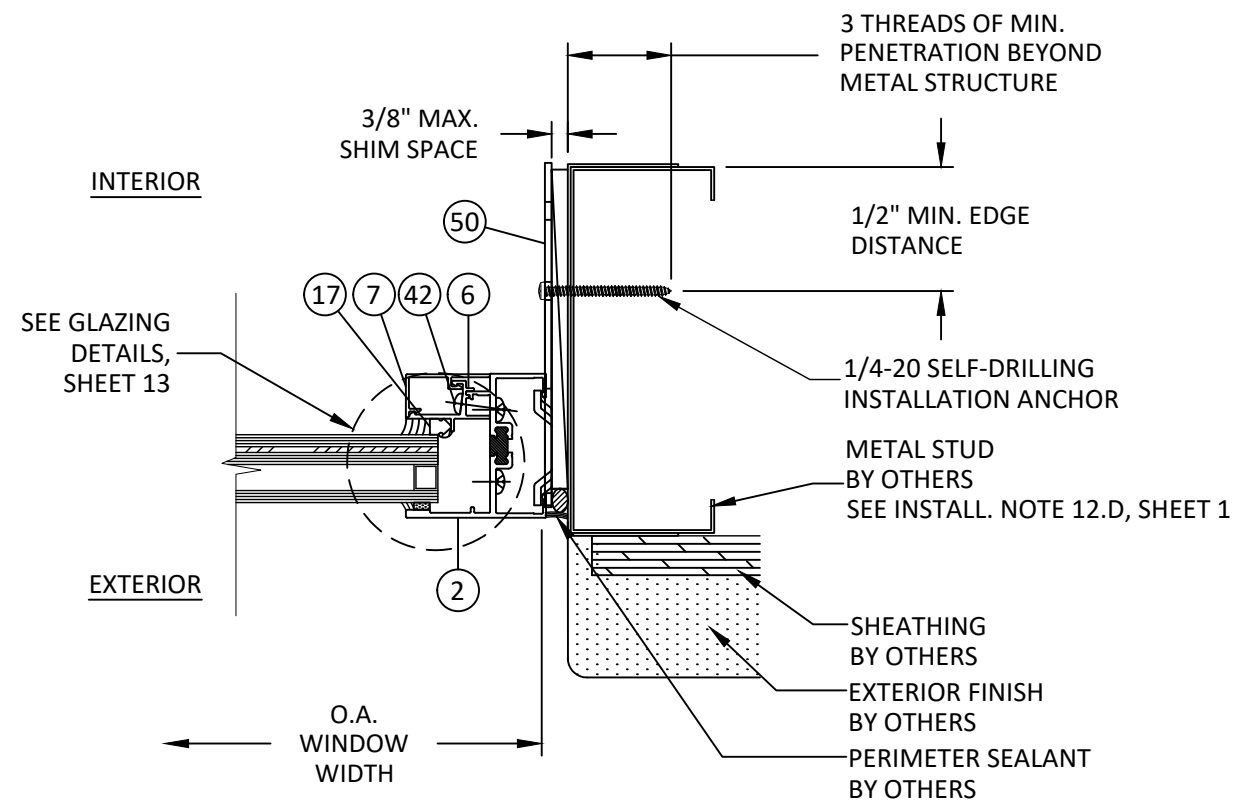
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R
10 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD BUCK
TWIST ANCHOR- TYP.



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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ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

TWIST ANCHOR INSTALLATION

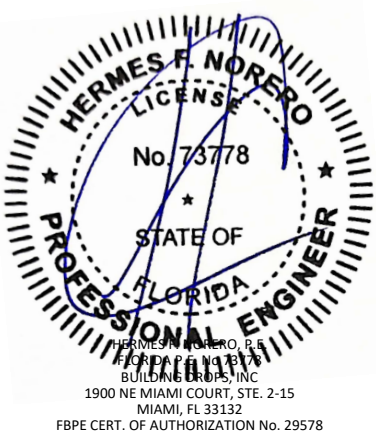
PREPARED BY: BUILDING DROPS, INC.

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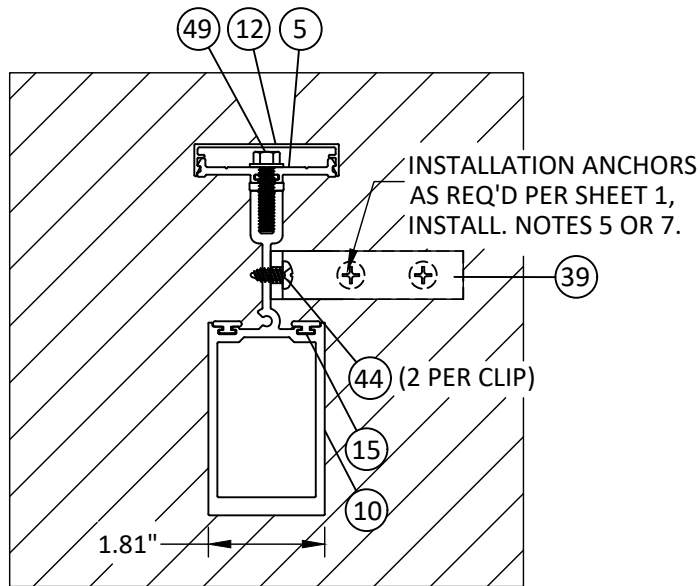
DWG. BY: **AR** CHK. BY: **HFN**

SCALE: **NTS**

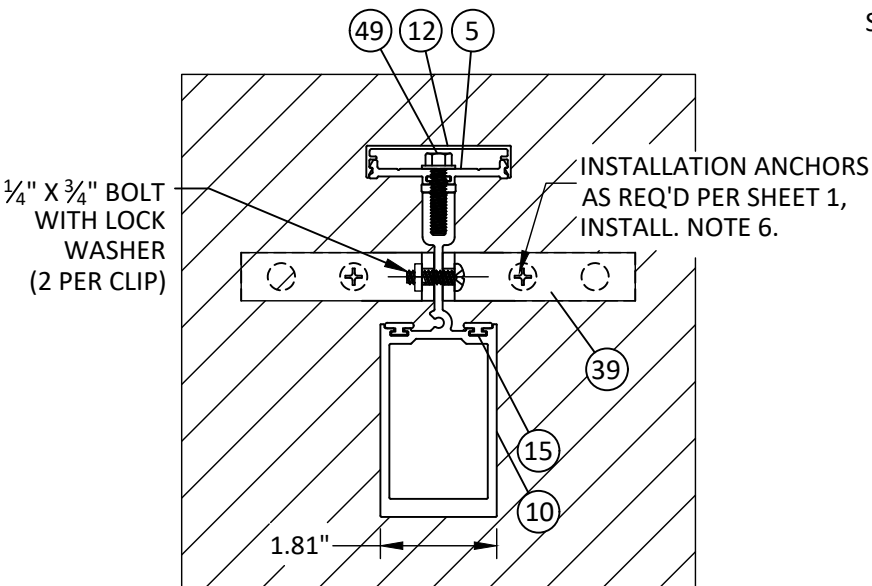
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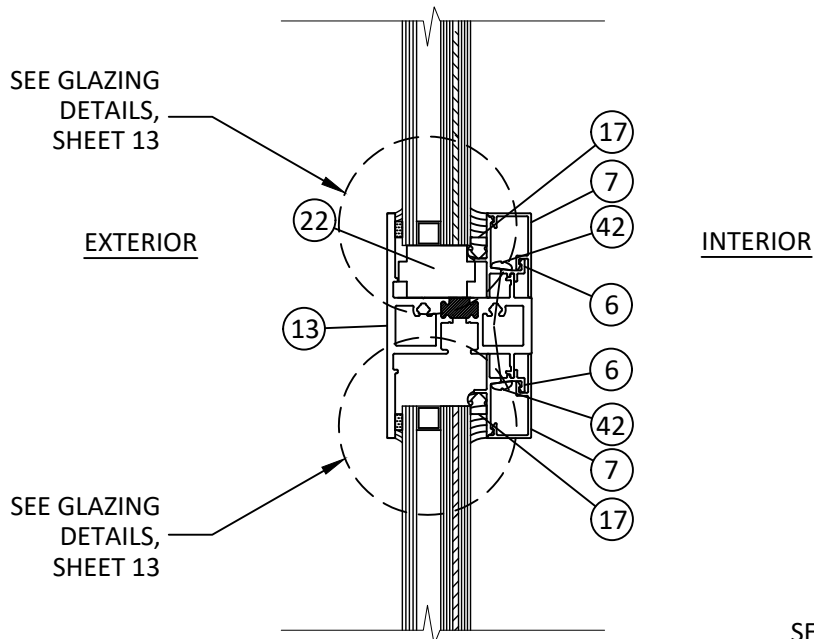
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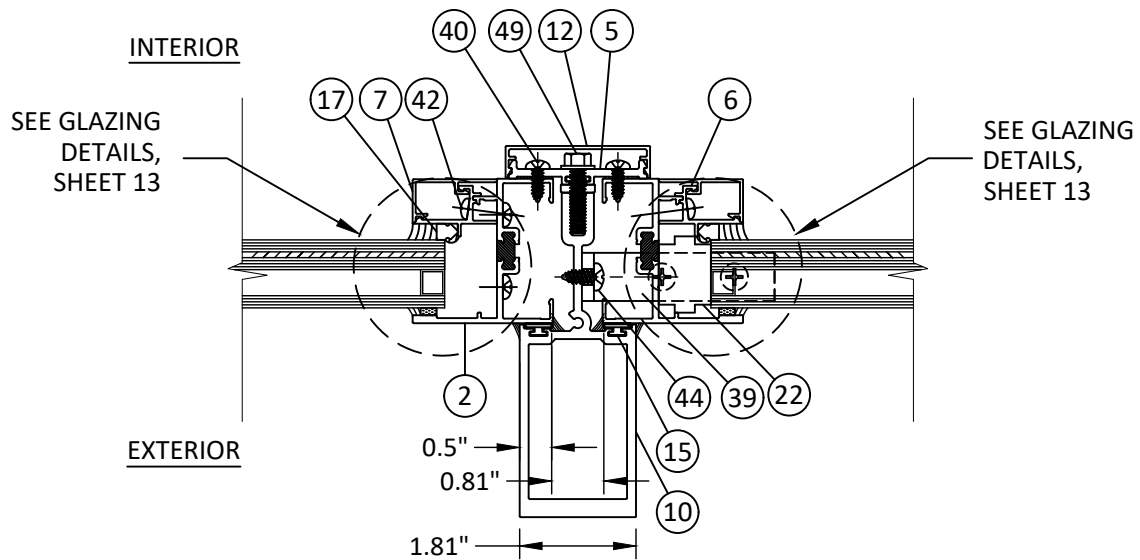
U11 HORIZONTAL SECTION
STACK MULLION - TYP.
INSTALL TO WOOD/METAL SUBSTRATE



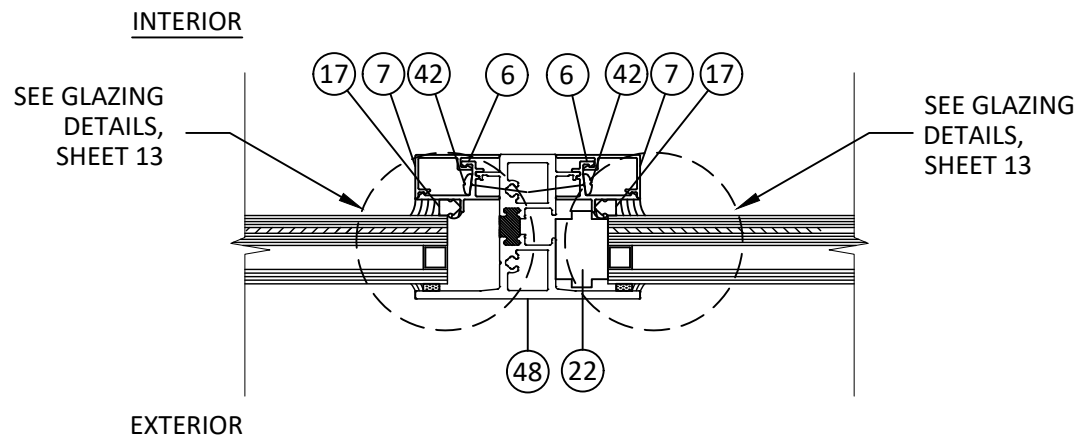
T11 HORIZONTAL SECTION
STACK MULLION - TYP.
INSTALL TO CONCRETE/MASONRY SUBSTRATE



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



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TITLE: YOW 225 THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

INTEGRAL & STACK MULL DETAILS

PREPARED BY:

BUILDING DROPS, INC.

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MIAMI, FL 33132

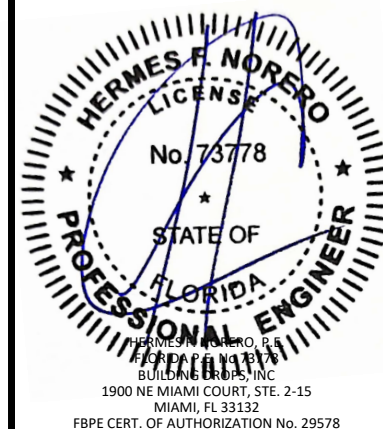
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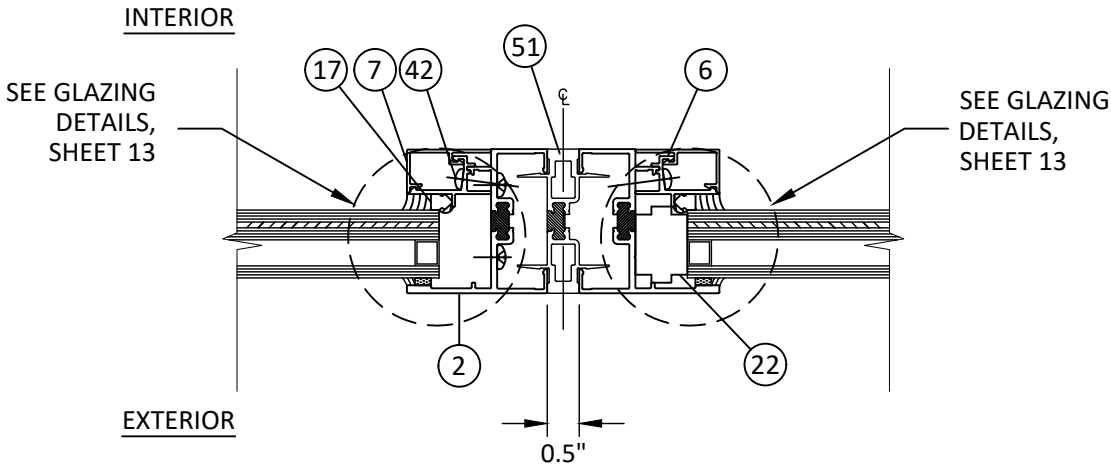
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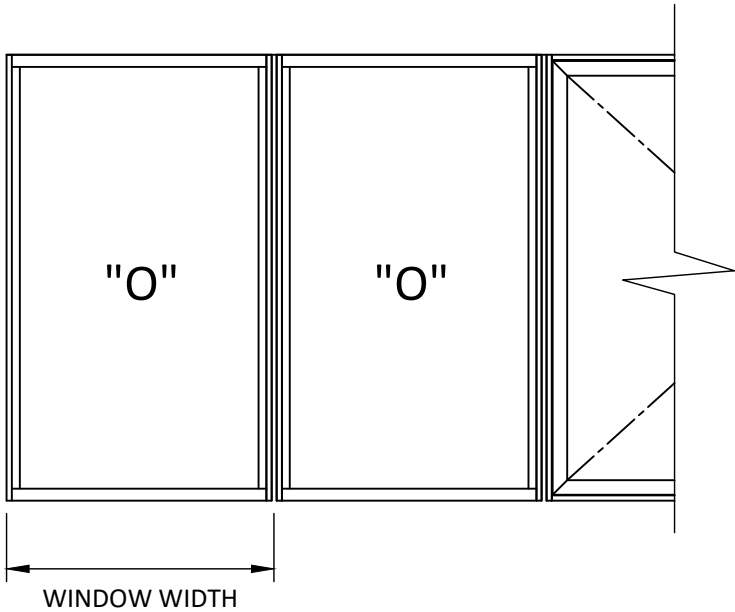
SHEET: **11** REV. **E**

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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	80.375	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:
1. 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.
 2. ADJACENT WINDOW FRAMES SHALL BE CONTINUOUS.
 3. OTHER CONFIGURATIONS SHALL BE EVALUATED FOR STRUCTURAL ADEQUACY ON A SITE BY SITE BASIS.



Quality
inspires™

YKK AP America Inc.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
YOW 225 TUI THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)
I MULLION DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)999-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS

BY

DATE

WEEP HOLE REMOVAL

JA

05.15.18

SILL FLASHING UPDATE

HR

05.28.19

8TH FBC CODE CHANGE

SH

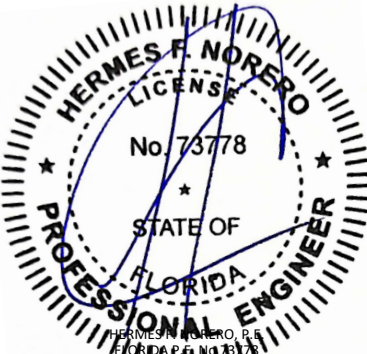
06.05.23

9TH FBC CODE CHANGE

SH

07.31.26

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HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL16314

DATE:

05.15.18

DWG. BY:

AR

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

YKK184

SHEET:

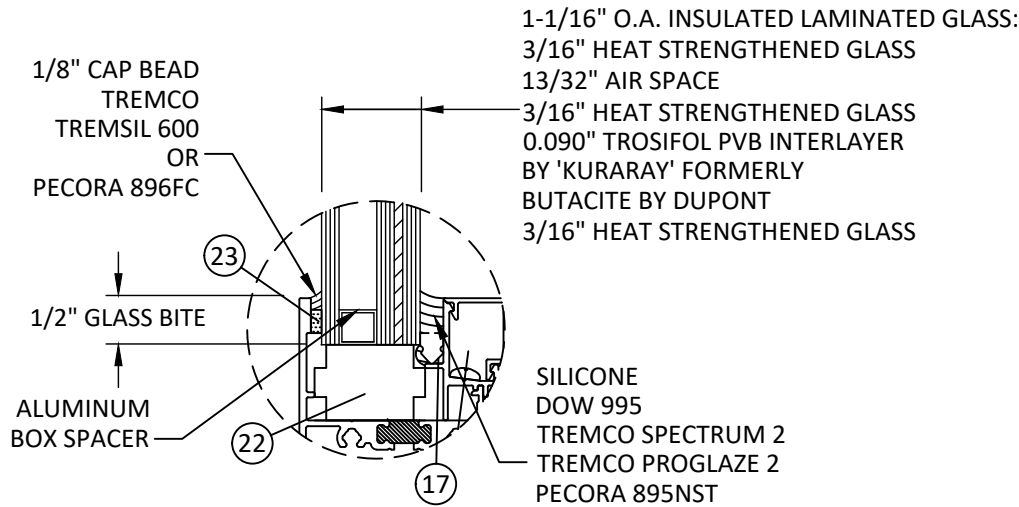
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REV.

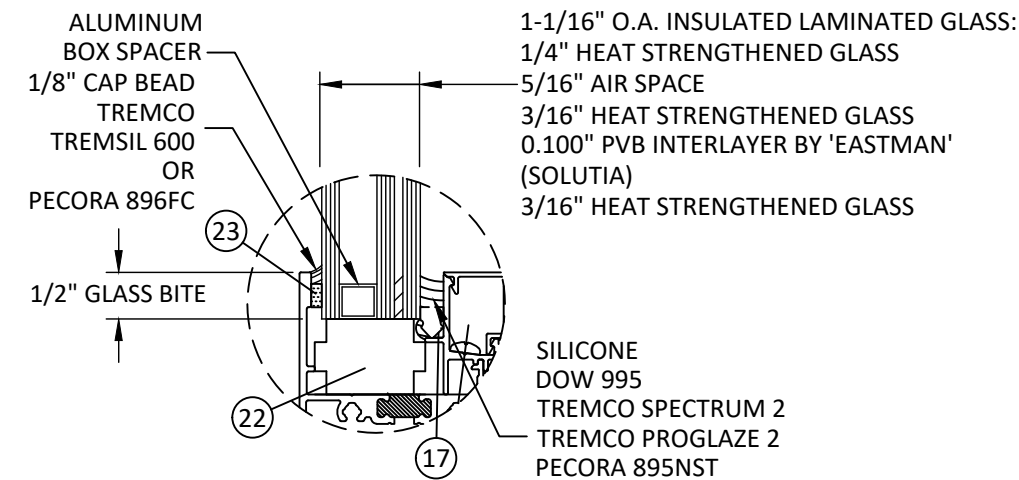
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OF 16

LARGE AND SMALL MISSILE IMPACT RATED GLAZING OPTIONS, SEE DESIGN PRESSURE TABLES, SHEET 2



GLAZING DETAIL J



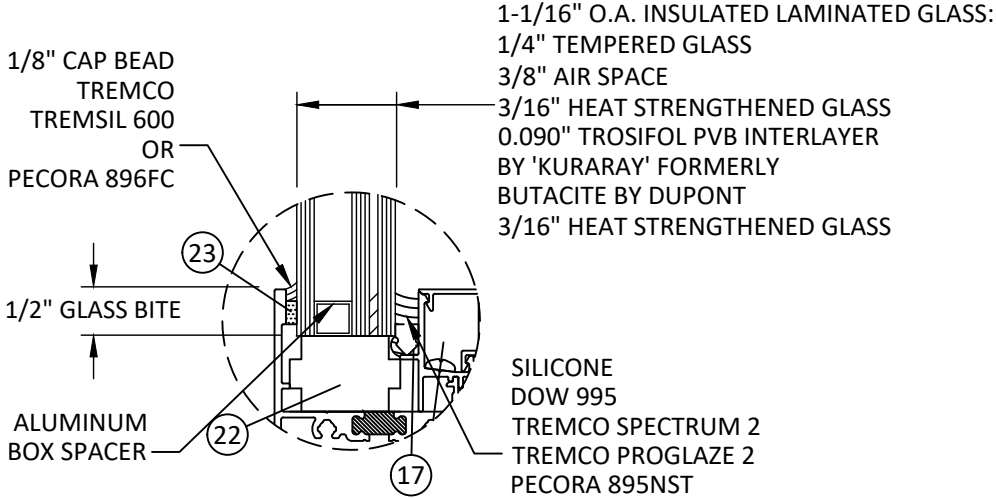
GLAZING DETAIL C

- GLAZING NOTES:
1. GLASS TYPE SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC.
 2. GLASS SHALL BE SET WITH THE USE OF SETTING BLOCKS IN ACCORDANCE WITH CHAPTER 24 OF THE CURRENT FLORIDA BUILDING CODE.
 3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
 4. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.

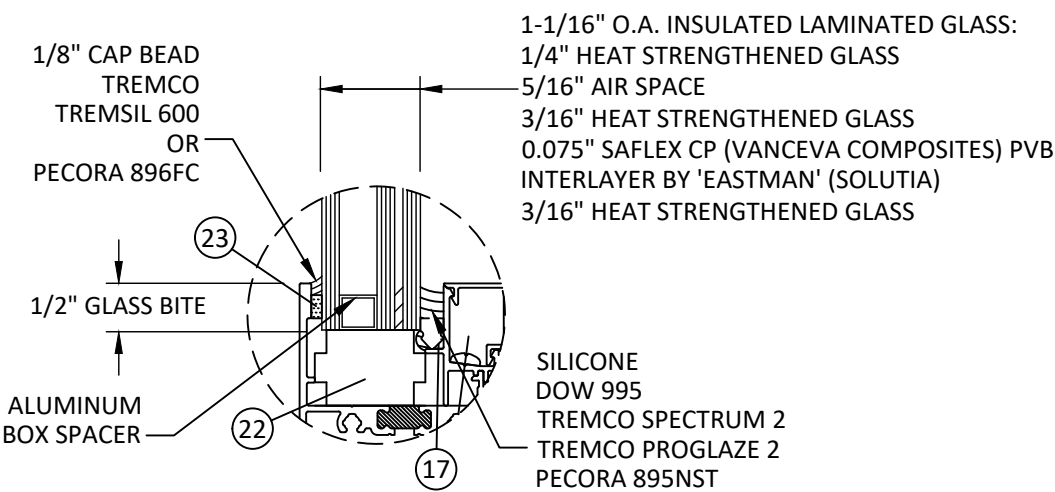
ALUMINUM BOX SPACER:
AROUND THE PERIMETER OF THE
GLASS

PRIMARY SEALANT:
POLYISOBUTYLENE (PIB)

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

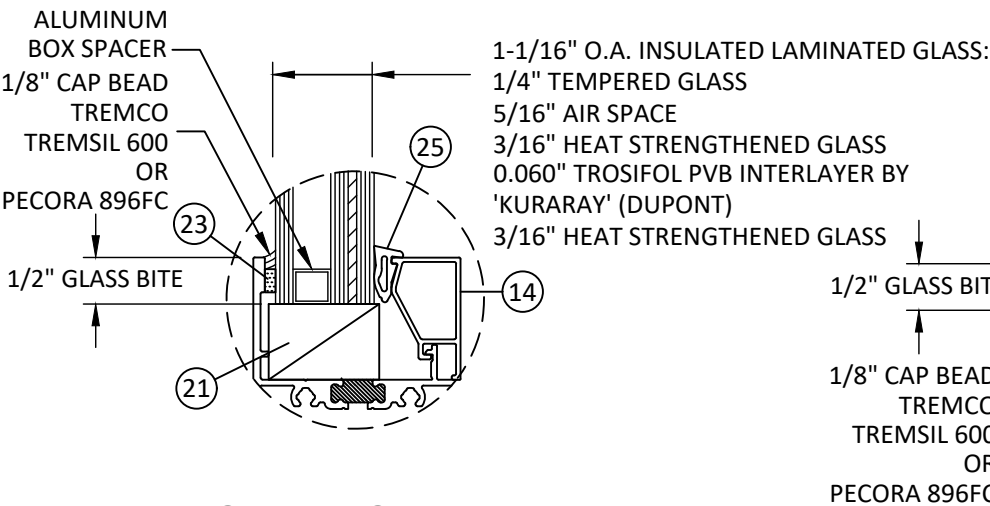


GLAZING DETAIL K

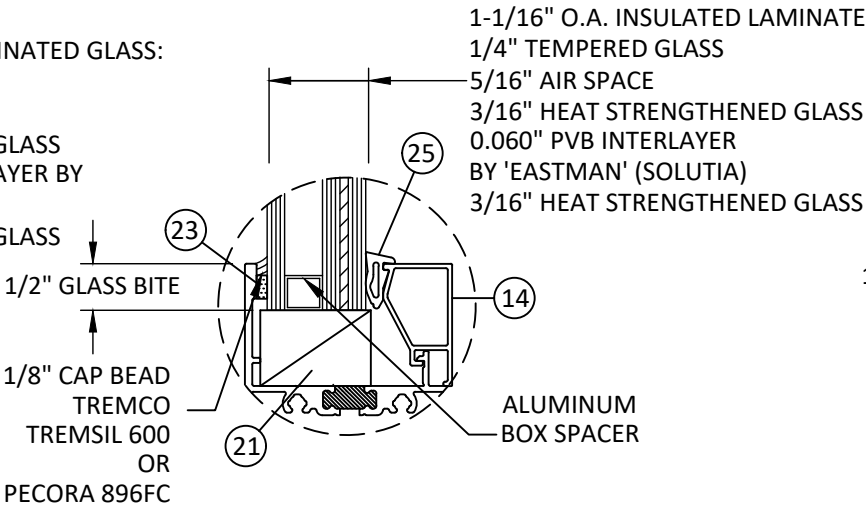


GLAZING DETAIL D

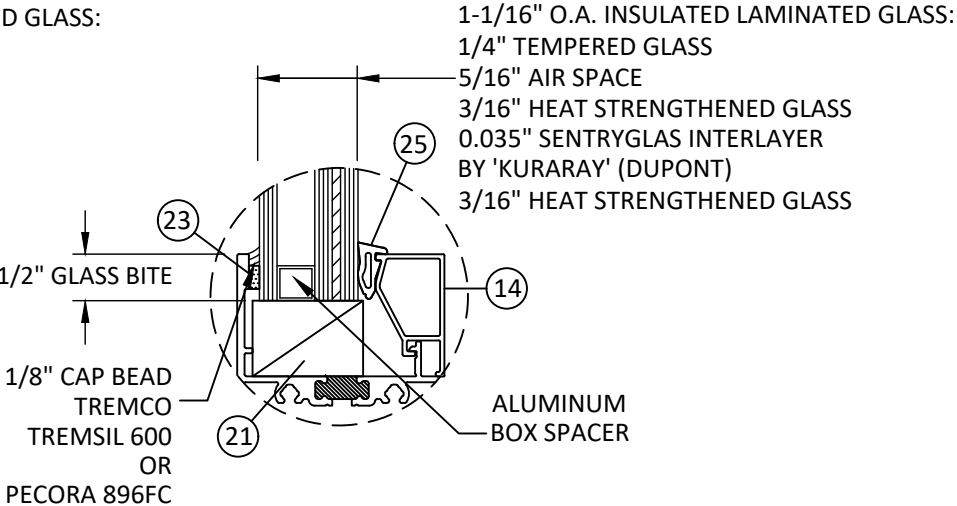
SMALL MISSILE IMPACT RATED GLAZING OPTIONS, SEE DESIGN PRESSURE TABLES, SHEET 2



GLAZING DETAIL F



GLAZING DETAIL G



GLAZING DETAIL H



YKK AP America Inc.
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PH: (478)277-1955 FAX: (678)838-6001

TITLE: YOW 225 TUI THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

GLAZING DETAILS

PREPARED BY: BUILDING DROPS, INC.

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REMARKS	BY	DATE
WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	05.28.19
8TH FBC CODE CHANGE	SH	06.05.23
9TH FBC CODE CHANGE	SH	07.31.26

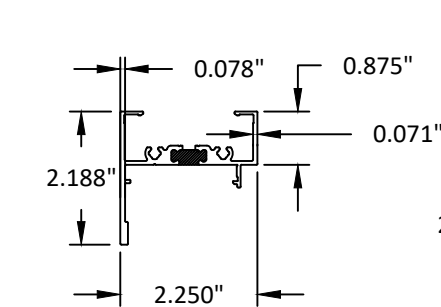
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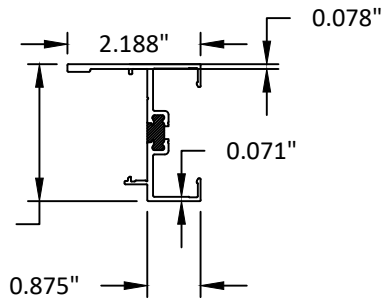
FL #:	FL16314
DATE:	05.15.18
DWG. BY:	AR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK184
SHEET:	13
REV.	E
OF 16	

YOW 225 TUH BILL OF MATERIALS					
ITEM NUMBER	PART NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER	COMMENTS
1	BE9-4501	FRAME HEAD AND SILL	6063-T5	YKK-AP	STANDARD FRAME
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	E9-4524	FIXED GLASS STOP	6063-T5	YKK-AP	
7	E9-4525	FIXED SNAP COVER	6063-T5	YKK-AP	
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	SMI GLASS STOP	6063-T5	YKK-AP	
15	E2-0051	AT GASKET	SANTOPRENE	TREMCO	
16	E2-0133PC	SIDE BLOCK	EPDM	TREMCO	PEROXIDE CURED
17	E2-0359	PUSH - IN - SPACER	SCR900	TREMCO	1" LONG, 3" FROM CORNER, 10" O.C.
18	E2-0367	PUSH - IN - SPACER	SCR900	TREMCO	
19	E2-0625	AT GASKET	SANTOPRENE	TREMCO	
20					
21	E2-0646PC	SETTING BLOCK	EPDM	TREMCO	PEROXIDE CURED
22	E2-0362PC	SETTING BLOCK (LMI) - WET GLAZING	EPDM PC	TREMCO	
23	E2-0670	BACKER TAPE	POLYURETHANE FOAM	SAINT GOBAIN	
24	E2-0648	1/8" EXTERIOR GASKET	EPDM SPONGE		
25	E2-0672	WEDGE GASKET	EPDM		DUROMETER 70 +/-5
26	BE9-4566	THROUGH FRAME FILLER PLATE	6063-T5	YKK-AP	3" LONG @ EA. ANCHOR LOCATION
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 3/4" X 1" CLIP	6063-T5	YKK-AP	
32	E9-4557	1 3/4" X 1" COVER	6063-T5	YKK-AP	
33	E9-8431	STRAP ANCHOR COVER	6063-T5	YKK-AP	
34	E9-8537	1" X 1 1/16" CLIP	6063-T5	YKK-AP	
35	E9-8538	1" X 1 1/16" COVER	6063-T5	YKK-AP	
36	E9-8562	1 1/2" X 3 1/2" CLIP	6063-T5	YKK-AP	
37	E9-8563	1 1/2" X 3 1/2" COVER	6063-T5	YKK-AP	
38	E9-4529	STRAP ANCHOR	6063-T5	YKK-AP	MIN. LENGTH: 4 1/2"
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		6" FROM EA. END & 12" MAX. O.C.
41		#10 X 1/2" PH SMS	SAE GR. 5		3" FROM EA. END & 7 1/8" MAX. O.C.
42	PS-1016-SS	#10 X 1" PH SMS SS SELF DRILLING	410 SS		3" FROM EA. END & 10" O.C.
43	PC-1016-SS	#10 X 1" PH SMS SS AB	300 SS		FOR FRAME ASSEMBLY
44	PC-1208-SS	#12X1/2" PH SMS SS AB	300 SS		(2) PER CLIP TO MULLION
45	E2-0768	JAMB BLOCK			AT BOTTOM OF JAMB WITH SILL FLASHING
46		#10-16 x 3/4" SSMS (PH OR FH)			3" FROM CORNERS, SILICONE AT HOLES
47		DOW 995 SILICONE ADHESIVE	SILICONE		MIN. 4" BEADS AT MAX. 24" O.C.
48	BE9-4561	INTEGRAL MULL	6063-T5	YKK-AP	
49	HD-2516-W3-SS	1/4-20 X 1 HWHS-SS	300 SS		1 1/2" FROM EA. END, 9" O.C. MAX.
50	E1-1970	TWIST ANCHOR	GALVANIZED STEEL		
51	BE9-4579	I MULLION	6063-T5		
51A		PECORA 895NST SILICONE ADHESIVE	SILICONE		
52		TREMCO SPECTRUM 2 ADHESIVE	SILICONE		
53		TREMCO PROGLAZE 2 ADHESIVE	SILICONE		
54					
55	PC-0806SS	#8 X 3/8" PHSMS TYPE AB	STAINLESS STEEL		
56	E9-4587	4" SILL TRIM	6063-T5	YKK-AP	
57	E1-2003	END DAM			

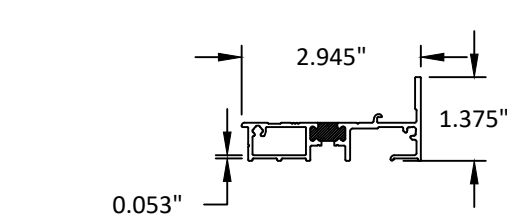
1 FRAME HEAD AND SILL
6063-T5



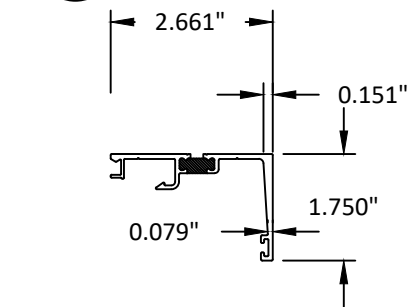
2 FRAME JAMB
6063-T5



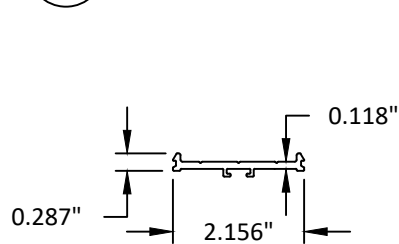
3 2-1/4" WEEPING SILL FLASHING
6063-T5



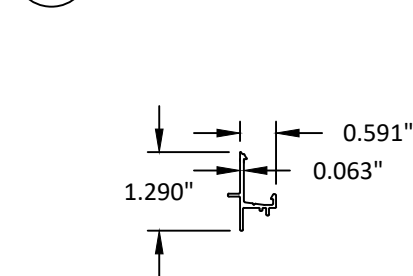
4 RECEPTOR
6063-T5



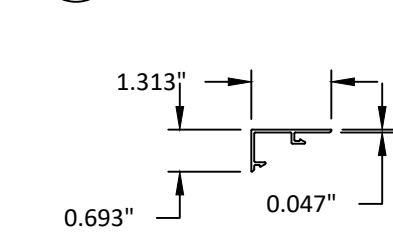
5 PRESSURE BAR
6063-T5



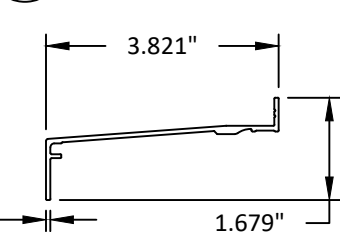
6 FIXED GLASS STOP
6063-T5



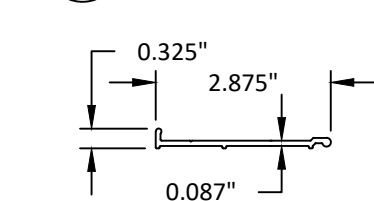
7 FIXED SNAP COVER
6063-T5



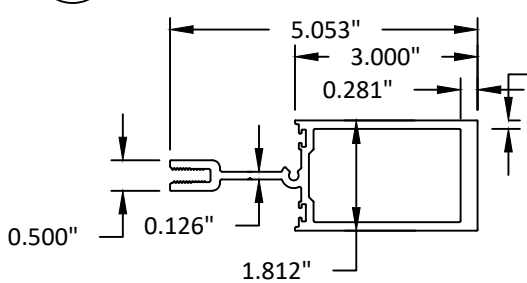
8 SILL TRIM
6063-T5



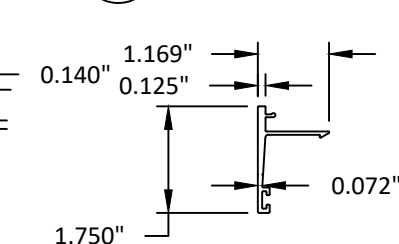
9 SILL TRIM BASE
6063-T5



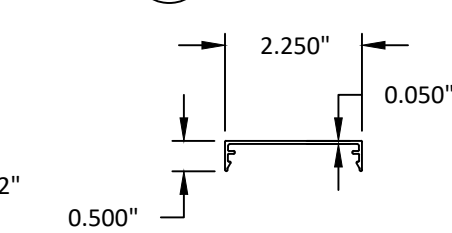
10 STACKING MULLION
6063-T5



11 RECEPTOR STOP
6063-T5



12 COVER
6063-T5



YKK
ap

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YKK AP America Inc.
101 Marietta Street NW, Suite 2100
Atlanta, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
YOW 225 TUH THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

BILL OF MATERIALS

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

BD
BUILDING DROPS

REMARKS	BY	DATE
WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	05.28.19
8TH FBC CODE CHANGE	SH	06.05.23
9TH FBC CODE CHANGE	SH	07.31.26

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL16314

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DWG. BY:
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CHK. BY:
HFN

SCALE:
NTS

DWG. #:
YKK184

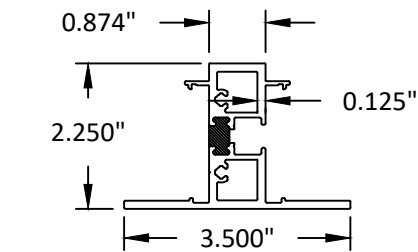
SHEET:
14

REV.
E

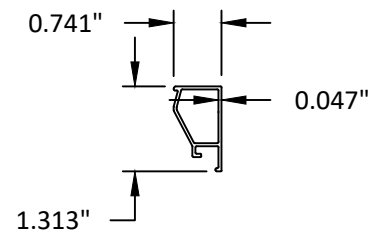
OF 16

7/31/2026 9:13 AM

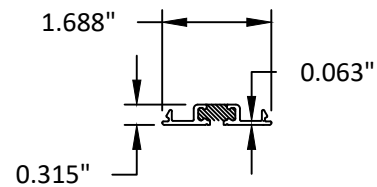
13 INTEGRALL MULL
6063-T5



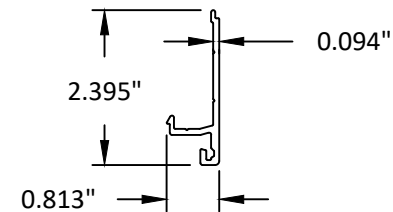
14 SMI GLASS STOP
6063-T5



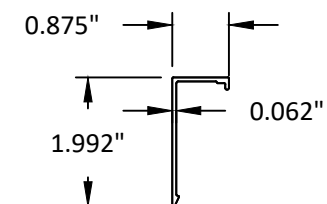
26 THROUGH FRAME FILLER PLATE
6063-T5



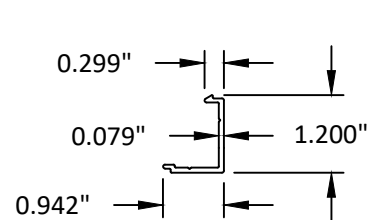
29 ANCHOR CLIP
6063-T5



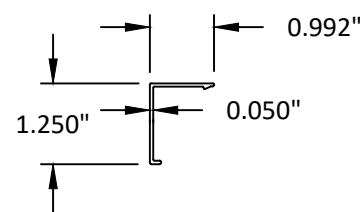
30 ANCHOR CLIP COVER
6063-T5



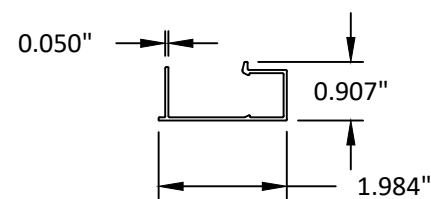
31 1 1/4" X 1" CLIP
6063-T5



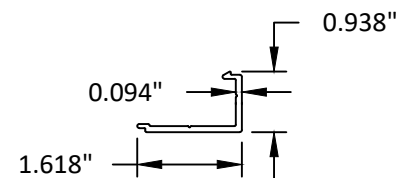
32 1 1/4" X 1" COVER
6063-T5



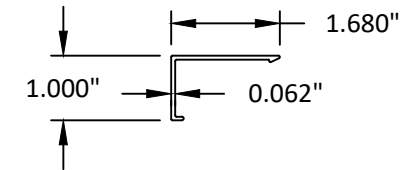
33 STRAP ANCHOR COVER
6063-T5



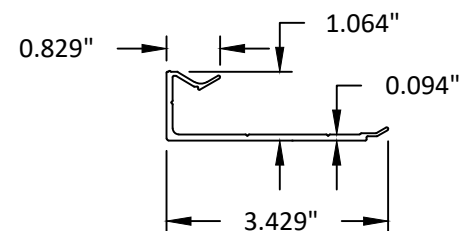
34 1" X 1 11/16" CLIP
6063-T5



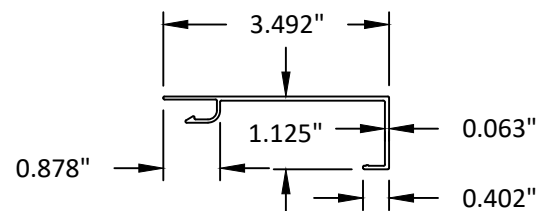
35 1" X 1 11/16" COVER
6063-T5



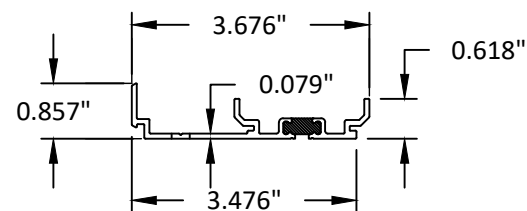
36 1 1/8" X 3 1/2" CLIP
6063-T5



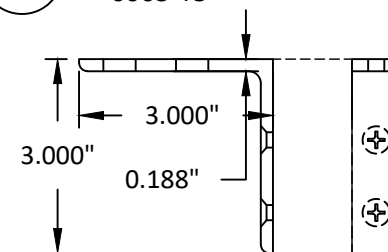
37 1 1/8" X 3 1/2" COVER
6063-T5



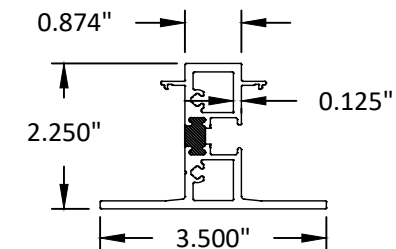
38 STRAP ANCHOR
6063-T5
MINIMUM 4 1/2" LENGTH



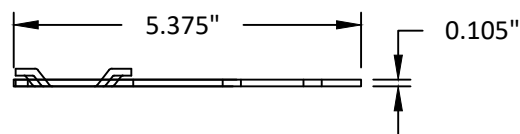
39 MULLION CLIP
6063-T5



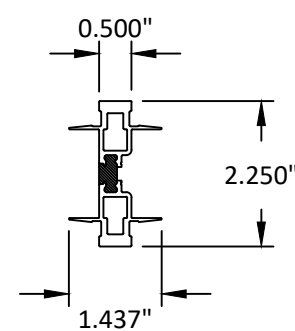
48 INTEGRAL MULL
6063-T5



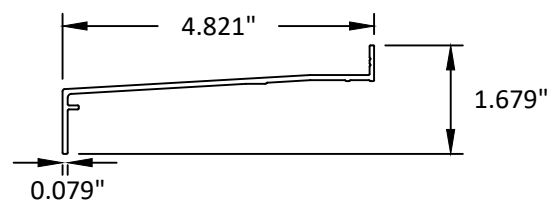
50 TWIST ANCHOR
GALV. STEEL



51 I MULLION
6063-T5



56 4" SILL TRIM
6063-T5



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ALUMINUM FIXED WINDOW
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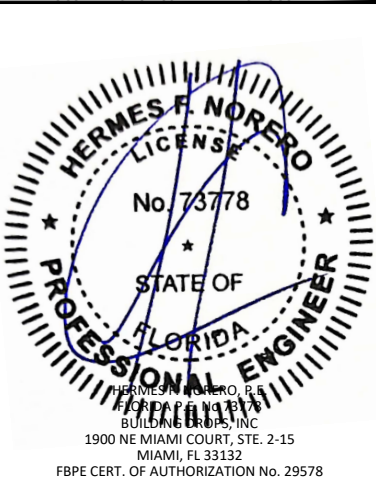
COMPONENTS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)999-8478
FAX: (954)744-4738
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FL #:

FL16314

DATE: 05.15.18

DWG. BY: AR
CHK. BY: HFN

SCALE: NTS

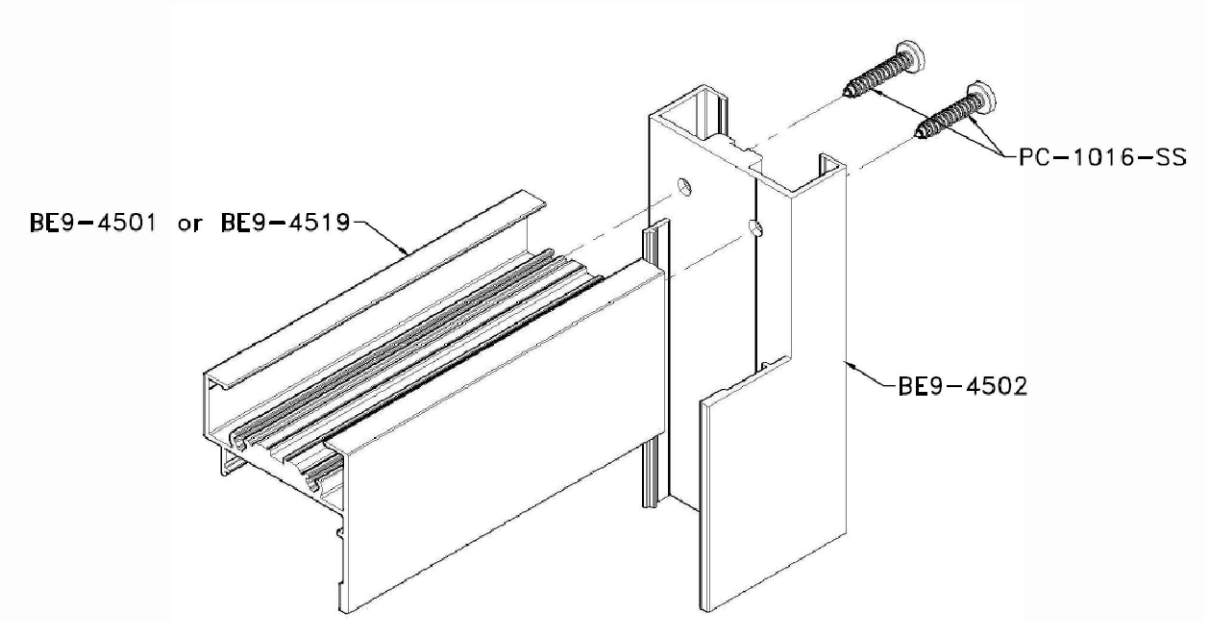
DWG. #: YKK184

SHEET: 15

REV. E

OF 16

c:\users\sebastianherrerros\desktop\ykk 2026 c\i116314\ykk184.dwg 7/31/2026 9:13 AM



FRAME CORNER CONSTRUCTION
TYPICAL

YKK AP America Inc.
101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YOW 225 THERMAL ALUMINUM FIXED WINDOW (WZ3) (IMPACT)

CORNER CONSTRUCTION

PREPARED BY: BUILDING DROPS, INC.
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8TH FBC CODE CHANGE	SH	06.05.23
9TH FBC CODE CHANGE	SH	07.31.26

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.
YKK AP AMERICA, INC.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL16314

DATE: **05.15.18**

DWG. BY:

AR

CHK. BY:

HFN

SCALE: **NTS**

DWG. #: **YKK184**

SHEET:

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OF 16