

7/20/2023 9:42 AM
z:\projects\ykk ap america, inc\cc-23-0226.1 - fbc 2023 (8th edition) commercial code change.dwg\fl6314\ykk015.dwg

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.
- 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:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.

E. 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
(HVHZ) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

AAMA/WDMA/CSA 101/I.S.2/A440-11/17

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.
6. WINDOW FRAME MATERIAL: ALUMINUM 6063-T5
7. ALL STRUCTURAL MATERIALS & DISSIMILIAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.
8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 10 FOR GLAZING DETAILS.

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SHEET	SHEET DESCRIPTION
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5	CLIP INSTALLATION DETAILS
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7	THROUGH FRAME INSTALLATION DETAILS
8	TRIM CLIP INSTALLATION DETAILS
9	INTEGRAL & STACK MULL DETAILS
10	GLAZING DETAILS
11	BILL OF MATERIALS
12	COMPONENTS
13	CORNER CONSTRUCTION

FIXED WINDOW DESIGN PRESSURE TABLE		
GLAZING TYPES	MAX. DP	IMPACT RATING
C	+65/-65 PSF	LMI
D	+70/-90 PSF	LMI
F	+70/-90 PSF	SMI
G & H	+70/-70 PSF	SMI
J	+80/-80 PSF	LMI
K	+80/-80 PSF	LMI & SMI

- NOTE:
1. LMI - LARGE MISSILE IMPACT RATED
2. SMI - SMALL MISSILE IMPACT RATED
3. SEE SHEET 10 FOR GLAZING DETAILS
4. SEE SHEET 2 FOR DESIGN LOAD RATINGS BASED ON VARIED MAX. SIZES AND GLASS TYPE.

YKK
ap

Quality
inspires™

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

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

INSTALLATION & 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

PECORA 895 NTS UPDATE

LA

06.13.17

WEEP HOLE REMOVAL

JA

05.15.18

SILL FLASHING UPDATE

HR

05.28.19

8TH FBC CODE CHANGE

SH

06.05.23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.01 14:43:49 -0400

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

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

FL #:

FL16314

DATE:

05.15.18

DWG. BY:

AR

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

YKK015

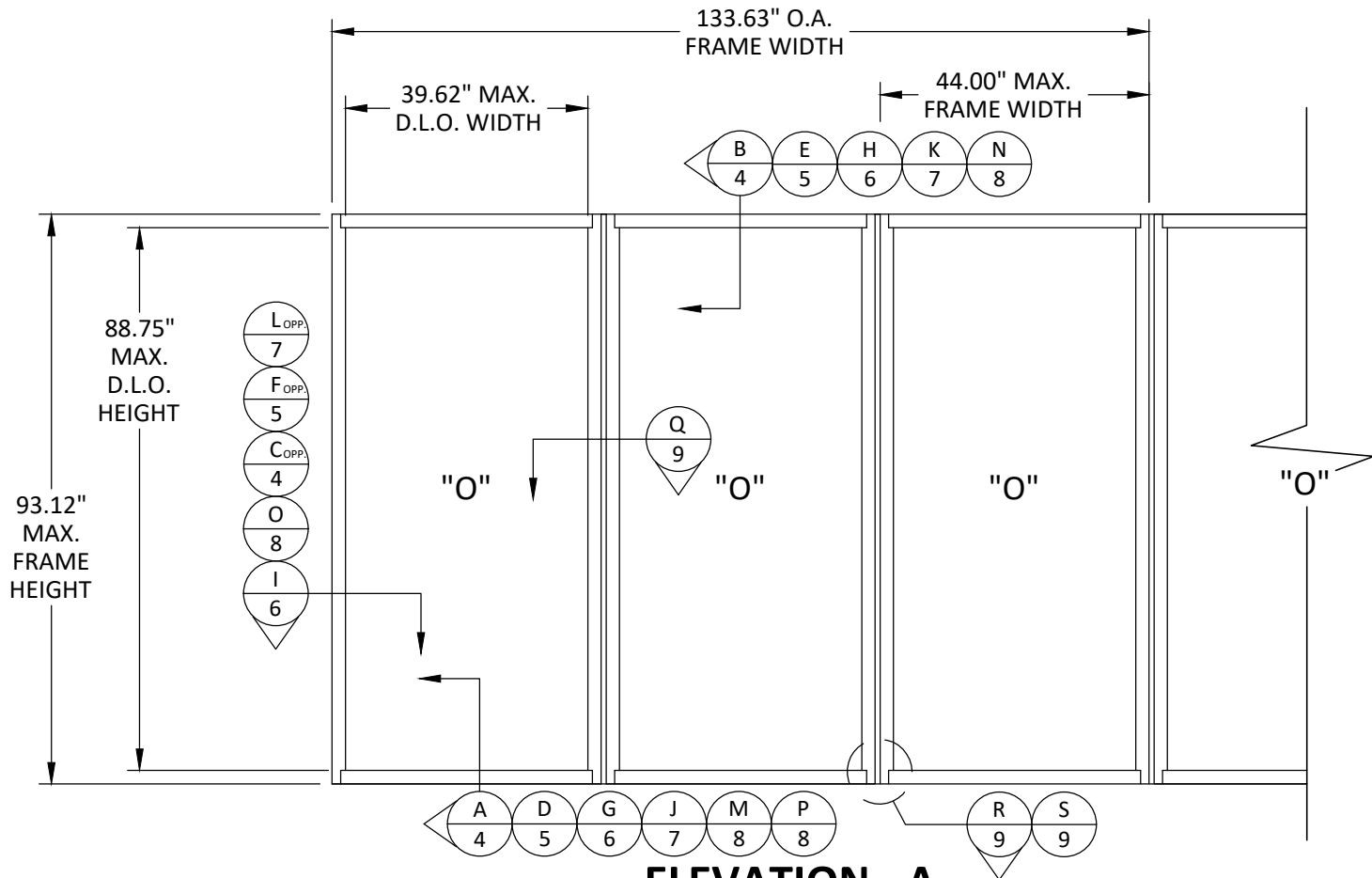
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ELEVATION - A
MULLED TESTED UNITS

NOTE: MAX. DIMENSIONS SHOWN
MAY EXCLUDE RECEPTOR
DIMENSIONS. SEE DETAILS SHEET 4
FOR O.A. DIMENSION LOCATIONS.

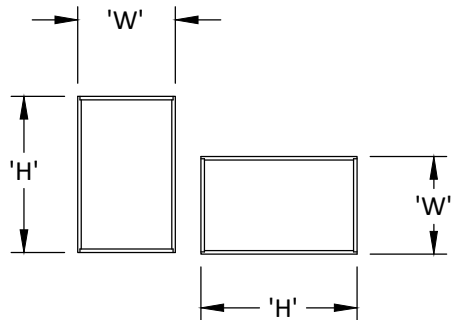
NOTE: ALLOWABLE SIZE VARIES
BASED ON TOTAL AREA.

WINDOW DIM.		GLASS TYPE - DESIGN PRESSURES (PSF)							
WIDTH (IN.)	HEIGHT (IN.)	C		D & F		G & H		J & K	
		+	-	+	-	+	-	+	-
18.00	60.00	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
24.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
30.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
36.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
42.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
48.00		62.0	62.0	70.0	90.0	70.0	70.0	80.0	80.0
54.00		56.9	56.9	70.0	90.0	70.0	70.0	73.3	73.3
60.00		50.6	50.6	70.0	90.0	70.0	70.0	65.2	65.2
18.00	72.00	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
24.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
30.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
36.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
42.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
48.00		62.0	62.0	70.0	90.0	70.0	70.0	80.0	80.0
54.00		56.9	56.9	70.0	90.0	70.0	70.0	73.3	73.3
60.00		50.6	50.6	70.0	90.0	70.0	70.0	65.2	65.2
18.00	84.00	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
24.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
30.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
36.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
42.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
48.00		62.0	62.0	70.0	90.0	70.0	70.0	80.0	80.0
54.00		56.9	56.9	70.0	90.0	70.0	70.0	73.3	73.3
60.00		-	-	70.0	90.0	70.0	70.0	-	-
18.00	90.00	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
24.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
30.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
36.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
42.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
48.00		62.0	62.0	70.0	90.0	70.0	70.0	80.0	80.0
54.00		-	-	70.0	90.0	70.0	70.0	-	-
60.00		-	-	70.0	90.0	70.0	70.0	-	-
18.00	93.13	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
24.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
30.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
36.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
42.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
48.00		-	-	70.0	90.0	70.0	70.0	-	-
54.00		-	-	70.0	90.0	70.0	70.0	-	-
60.00		-	-	70.0	90.0	70.0	70.0	-	-

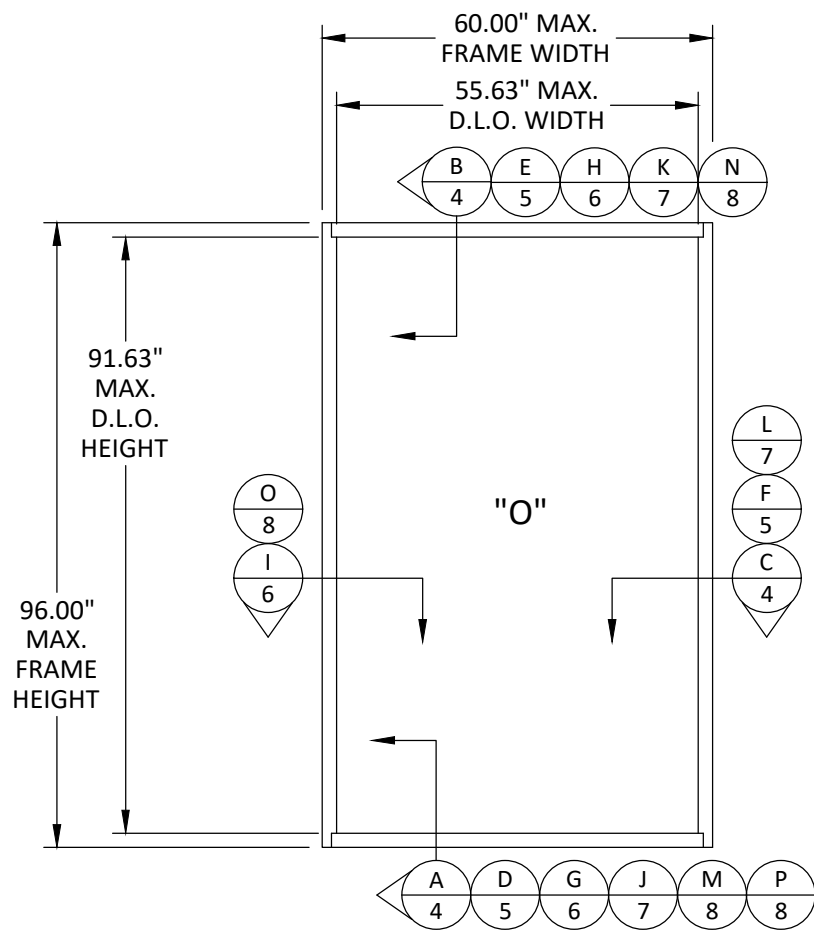
WINDOW DIM.		GLASS TYPE - DESIGN PRESSURES (PSF)							
WIDTH (IN.)	HEIGHT (IN.)	C		D & F		G & H		J & K	
		+	-	+	-	+	-	+	-
18.00	96.00	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
24.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
30.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
36.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
42.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
48.00		-	-	70.0	90.0	70.0	70.0	-	-
54.00		-	-	70.0	90.0	70.0	70.0	-	-
60.00		-	-	70.0	90.0	70.0	70.0	-	-
18.00	102.00	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
24.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
30.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
36.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
42.00		-	-	70.0	90.0	70.0	70.0	-	-
48.00		-	-	70.0	90.0	70.0	70.0	-	-
54.00		-	-	70.0	90.0	70.0	70.0	-	-
60.00		-	-	70.0	90.0	70.0	70.0	-	-
18.00	108.00	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
24.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
30.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
36.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
42.00		-	-	70.0	90.0	70.0	70.0	-	-
48.00		-	-	70.0	90.0	70.0	70.0	-	-
54.00		-	-	70.0	90.0	70.0	70.0	-	-
60.00		-	-	70.0	90.0	70.0	70.0	-	-
18.00	114.00	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
24.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
30.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
36.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
42.00		-	-	70.0	90.0	70.0	70.0	-	-
48.00		-	-	70.0	90.0	70.0	70.0	-	-
54.00		-	-	70.0	90.0	70.0	70.0	-	-
60.00		-	-	70.0	90.0	70.0	70.0	-	-
18.00	120.00	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
24.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
30.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
36.00		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
42.00		-	-	70.0	90.0	70.0	70.0	-	-
48.00		-	-	70.0	90.0	70.0	70.0	-	-
54.00		-	-	70.0	90.0	70.0	70.0	-	-
60.00		-	-	70.0	90.0	70.0	70.0	-	-

NOTE:

- DESIGN PRESSURES APPLY TO A SINGLE FIXED WINDOW UNIT. MULLIONS SHALL BE UNDER SEPARATE APPROVAL.
- DESIGN PRESSURES ARE LIMITED TO THE LESSER OF COMPARATIVE ANALYSIS PER CHAPTER 17 SECTION 1709.5.1 AND GLASS CAPACITIES PER ASTM E1300 (3 SEC GUST).
- SQUARE FOOTAGE AREA HAS BEEN LIMITED TO EQUAL TO OR LESS THAN TESTED AREA.
- SEE SHEET 1 FOR MISSILE IMPACT RATINGS AND SHEET 10 FOR GLAZING DETAILS

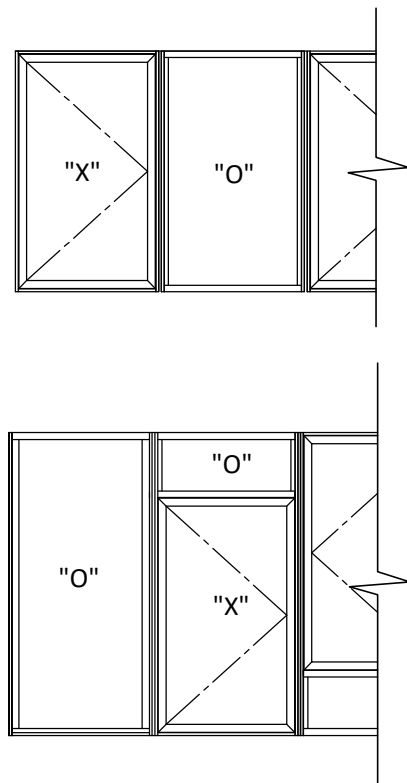


NOTE:
WIDTH AND HEIGHT DIMENSIONS
MAY BE ORIENTED VERTICALLY OR
HORIZONTALLY AS SHOWN ABOVE

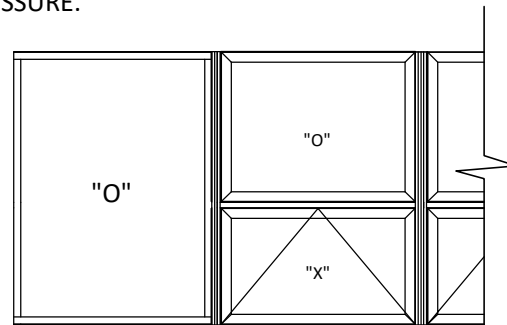


ELEVATION - B
SINGLE TESTED UNIT

QUALIFIED CONFIGURATIONS



NOTE: UNITS MAY BE MULLED SIDE BY SIDE IN COMBINATIONS OF FIXED/FIXED, FIXED/PROJECT OUT, FIXED/CASEMENT, AND/OR OTHER APPROVED WINDOW TYPES (SEE INSTALLATION APPROVED INSTRUCTIONS YKK013 & YKK014). 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.



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

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

ELEVATIONS & QUALIFIED
CONFIGURATIONS

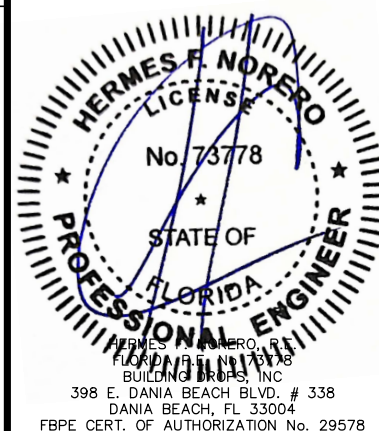
PREPARED BY: BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

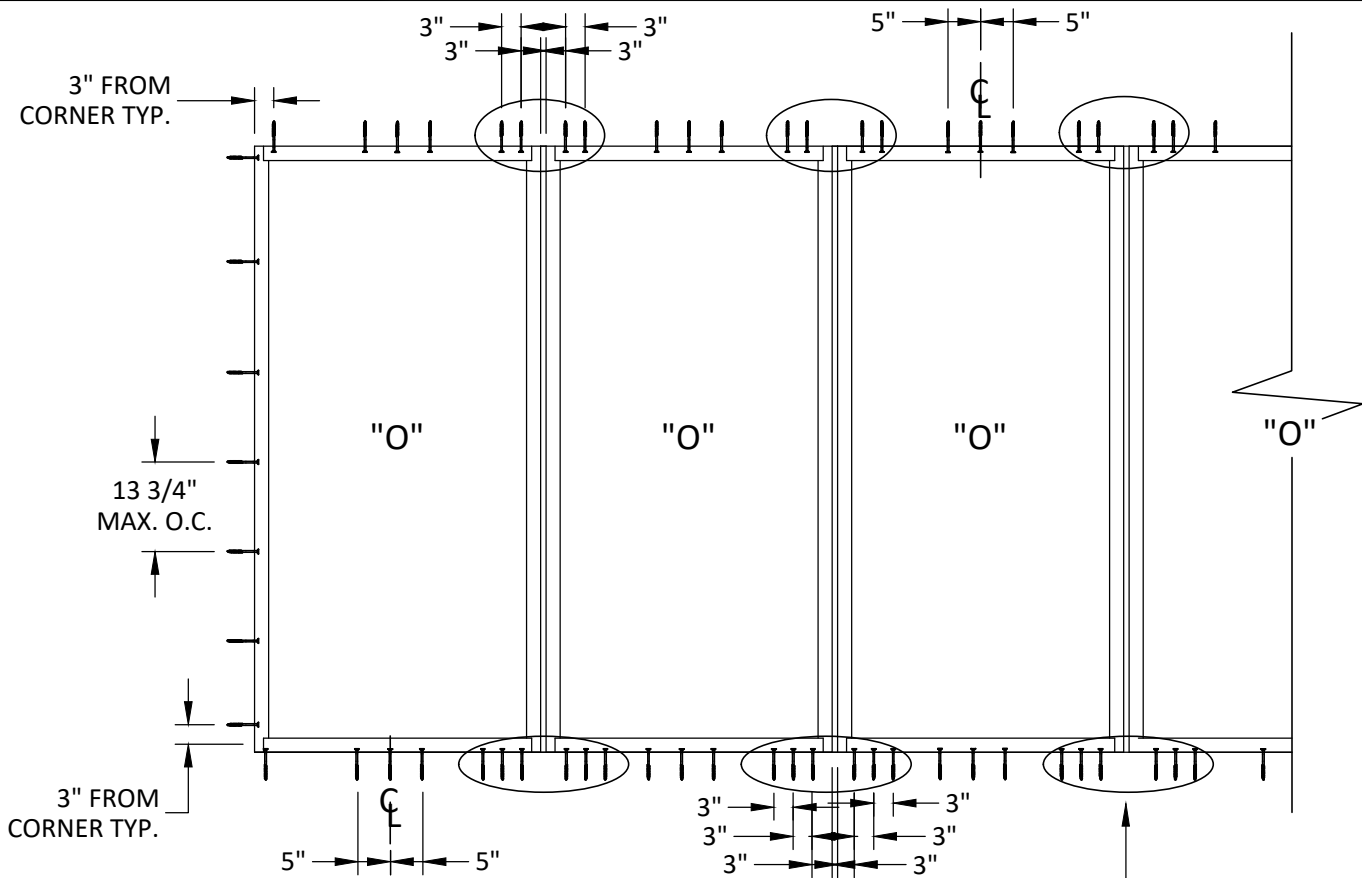


REMARKS	BY	DATE
PECORA 895 NTS UPDATE	LA	06.13.17
WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	05.28.19
8TH FBC CODE CHANGE	SH	06.05.23

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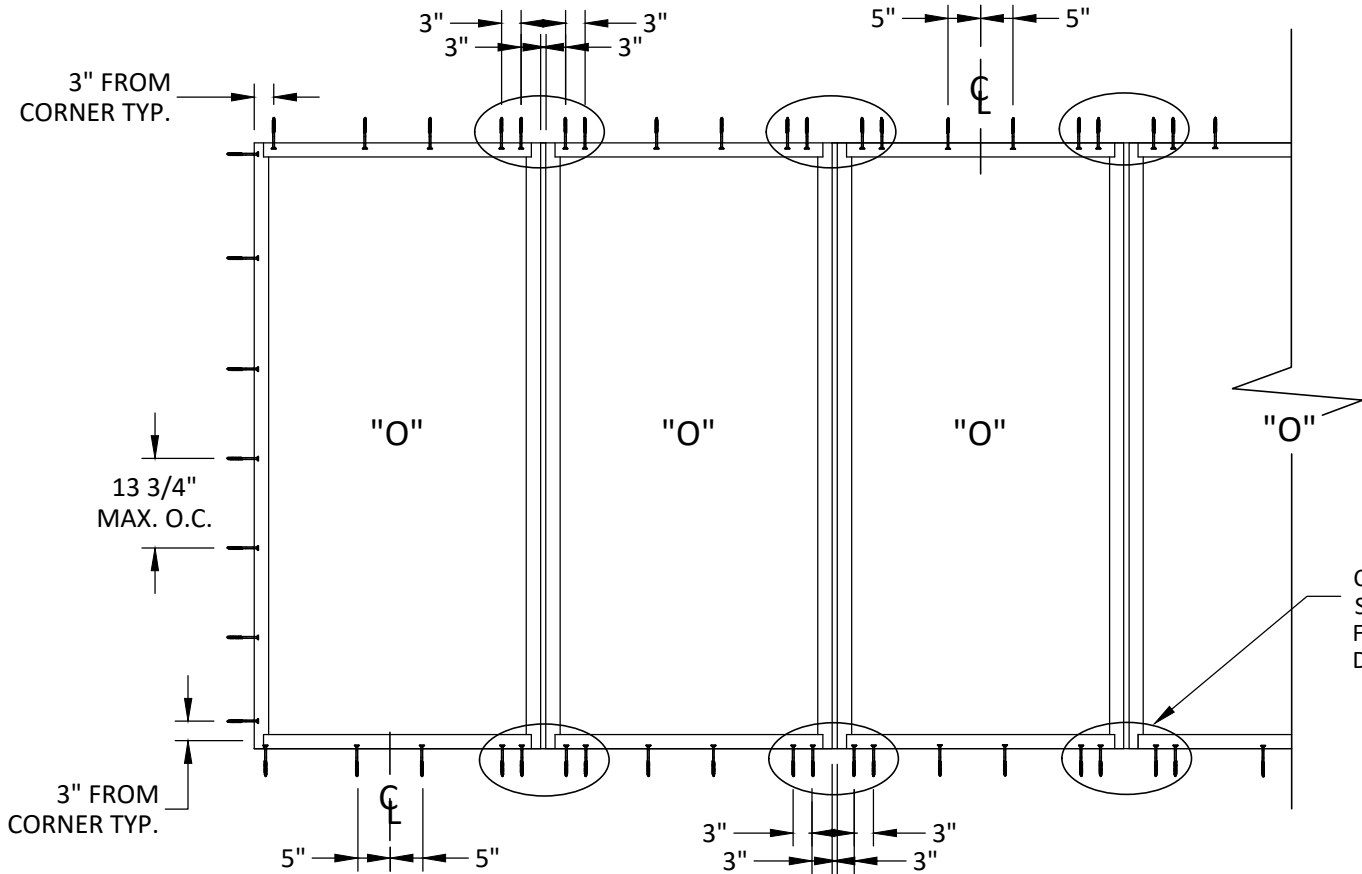


FL #:	FL16314
DATE:	05.15.18
DWG. BY:	AR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK015
SHEET:	2

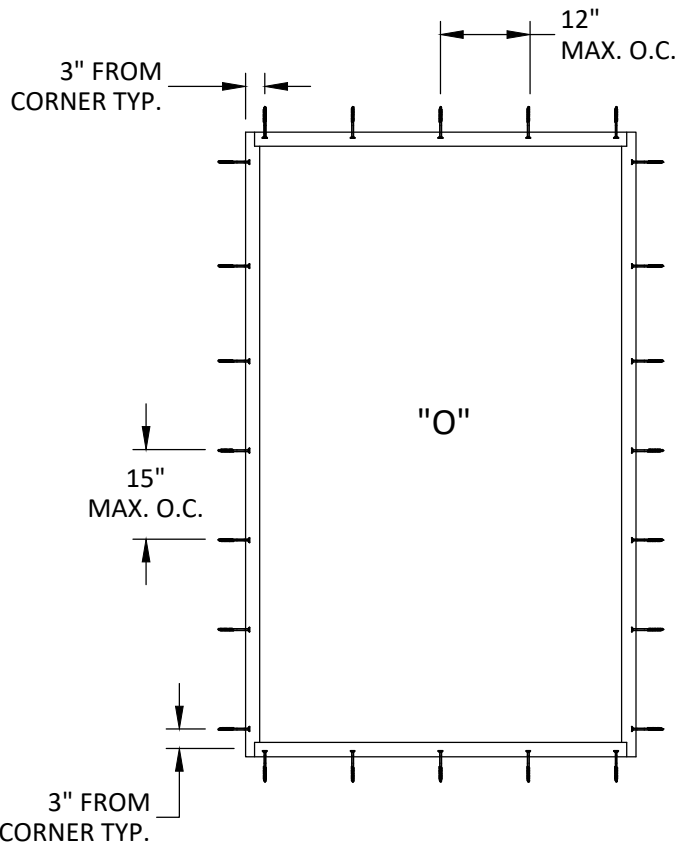


ANCHOR LAYOUT
RECEPTOR INSTALLATIONS

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



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



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
80	4	8

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/4) ADJACENT TO EA. SIDE OF STACK MULL. ANCHORS SHALL BE SPACED 3" O.C. TO EA. SIDE OF MULL.



Quality
inspires™

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

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

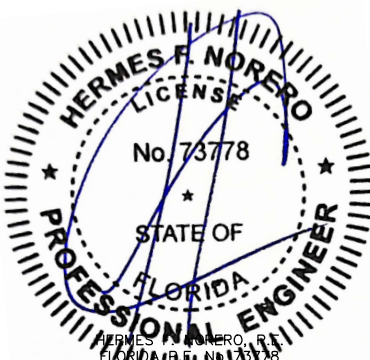
ANCHOR LAYOUTS &
HARDWARE SCHEDULE

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

FL #:
FL16314

DATE: **05.15.18**

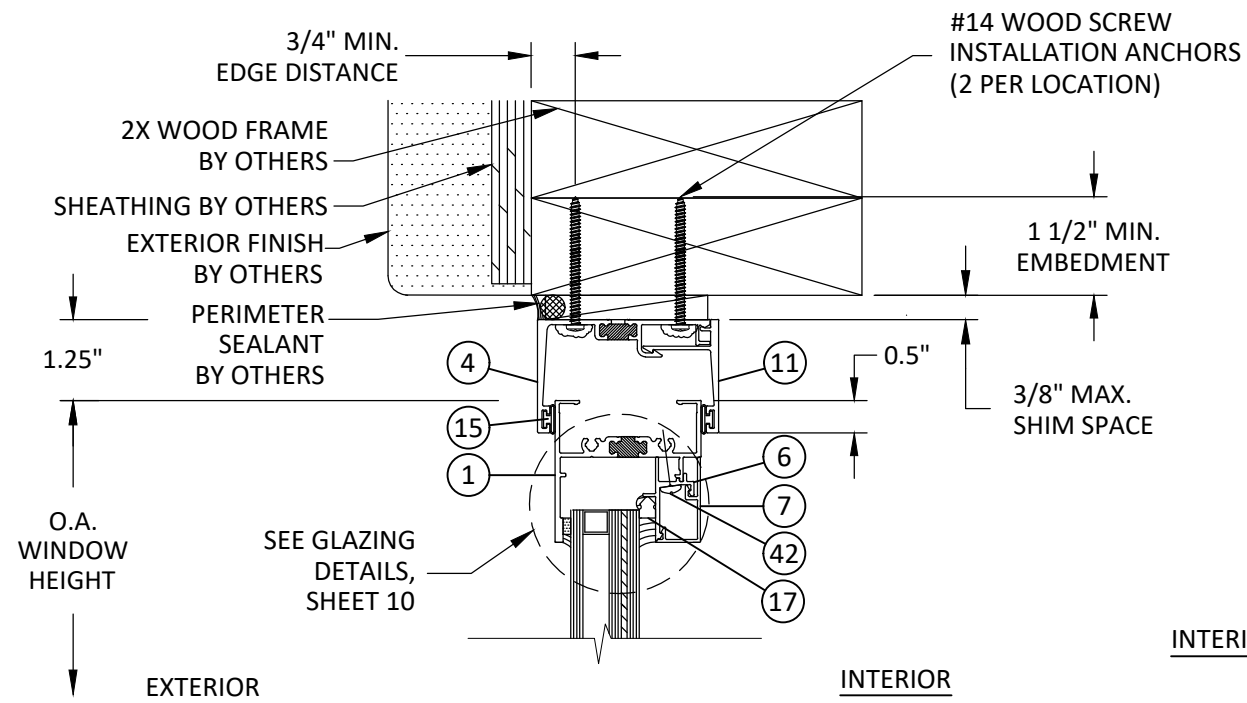
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SCALE: **NTS**

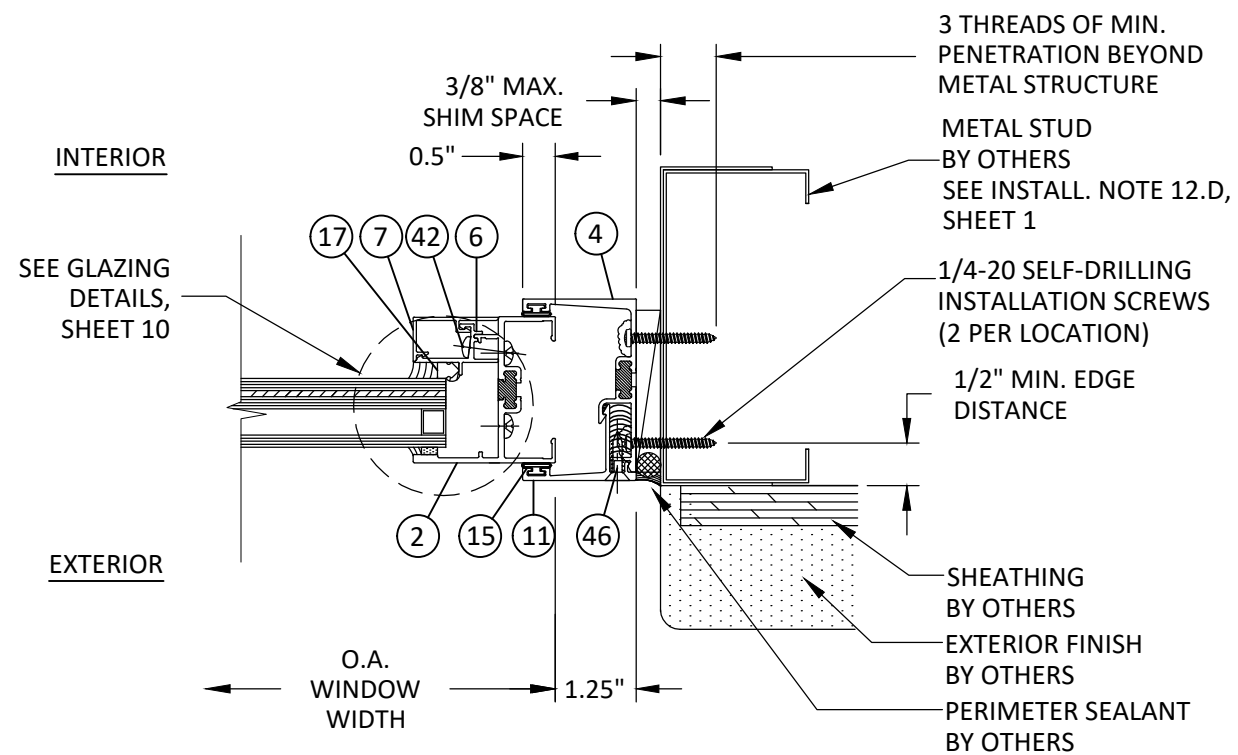
DWG. #: **YKK015**

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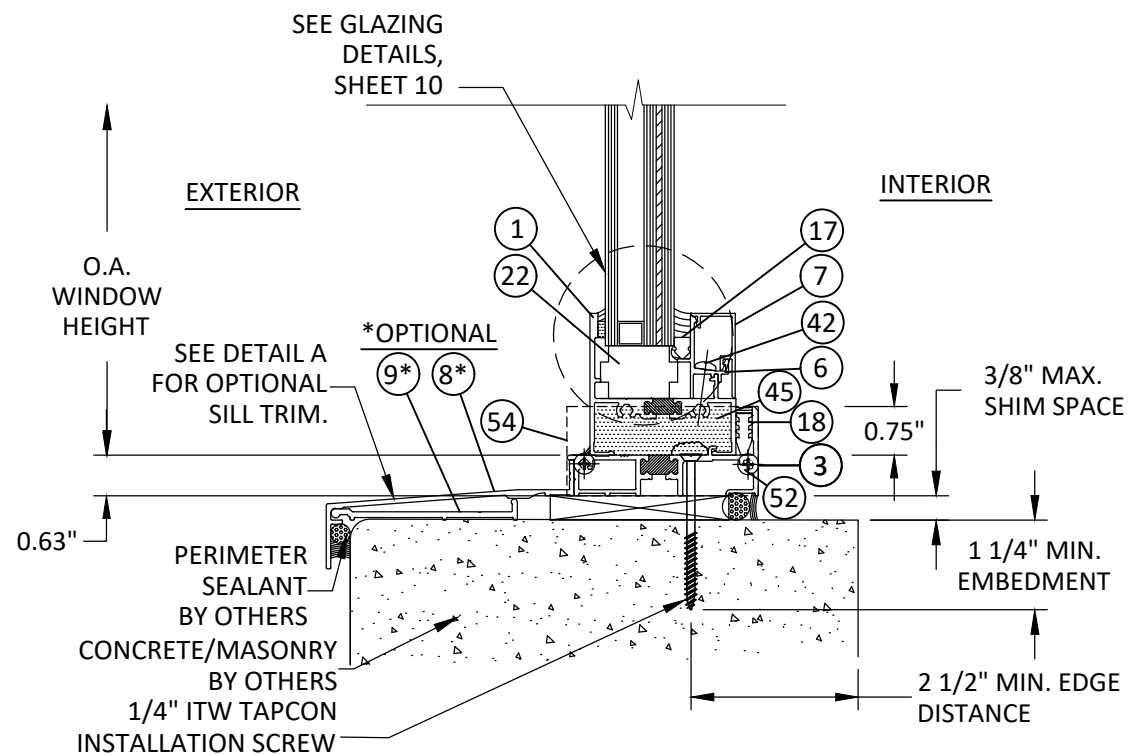


B
4 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD FRAME
INT. SET RECEPTOR - TYP.

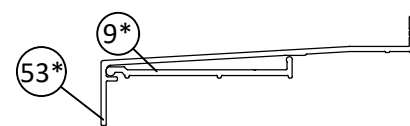


C
4 **HORIZONTAL SECTION**
FIXED JAMB - METAL STUD FRAME
EXT. SET RECEPTOR - TYP.

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



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



**OPTIONAL SILL TRIM
DETAIL A**



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

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

RECEPTOR INSTALLATION DETAILS

PREPARED BY: BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
PECORA 895 NTS UPDATE	LA	06.13.17
WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	05.28.19
8TH FBC CODE CHANGE	SH	06.05.23

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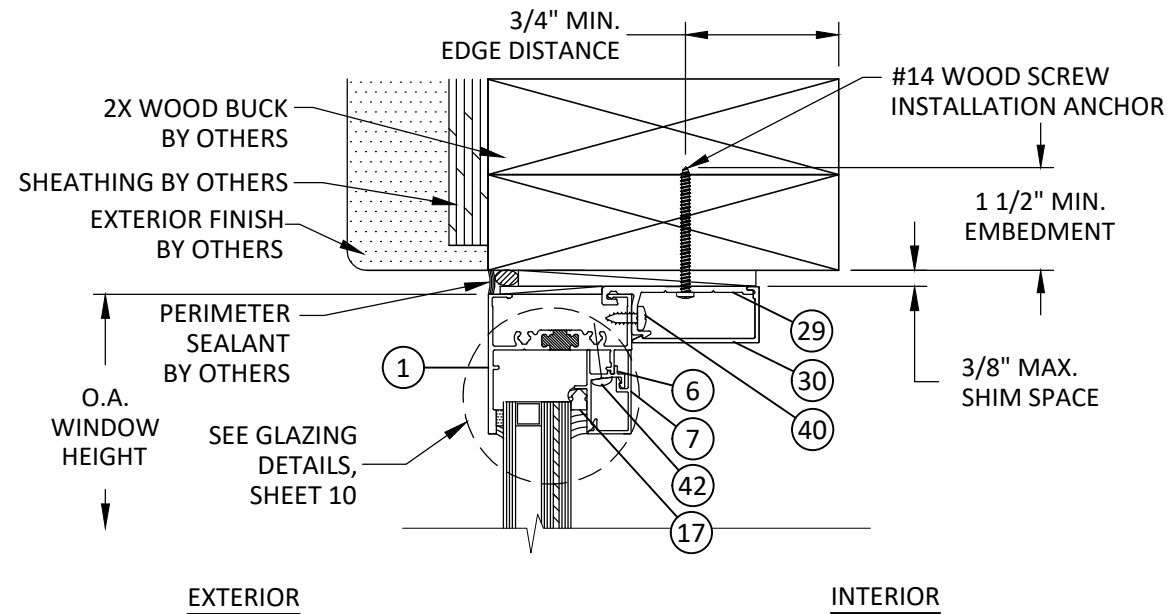
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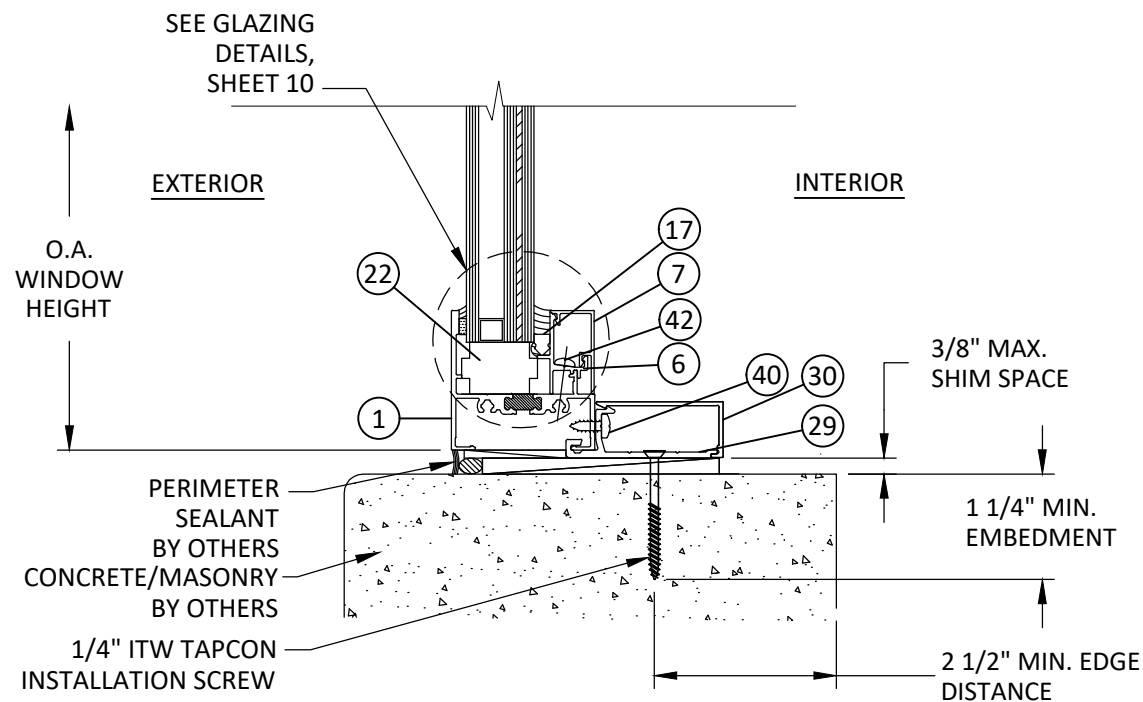
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OF 13

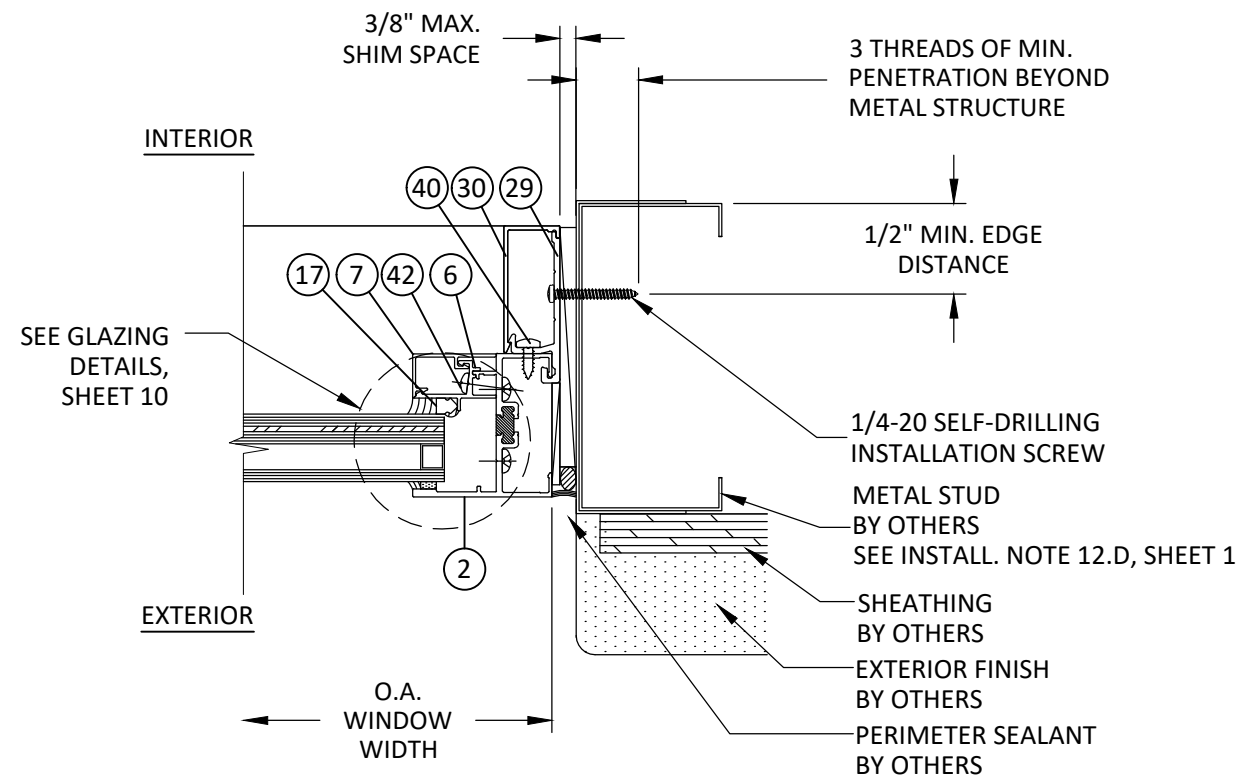
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E
5 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD FRAME
CLIP ANCHOR - TYP.



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



F
5 **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 TUH THERMAL
ALUMINUM FIXED WINDOW
(HVHZ) (IMPACT)

CLIP INSTALLATION DETAILS

PREPARED BY: BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



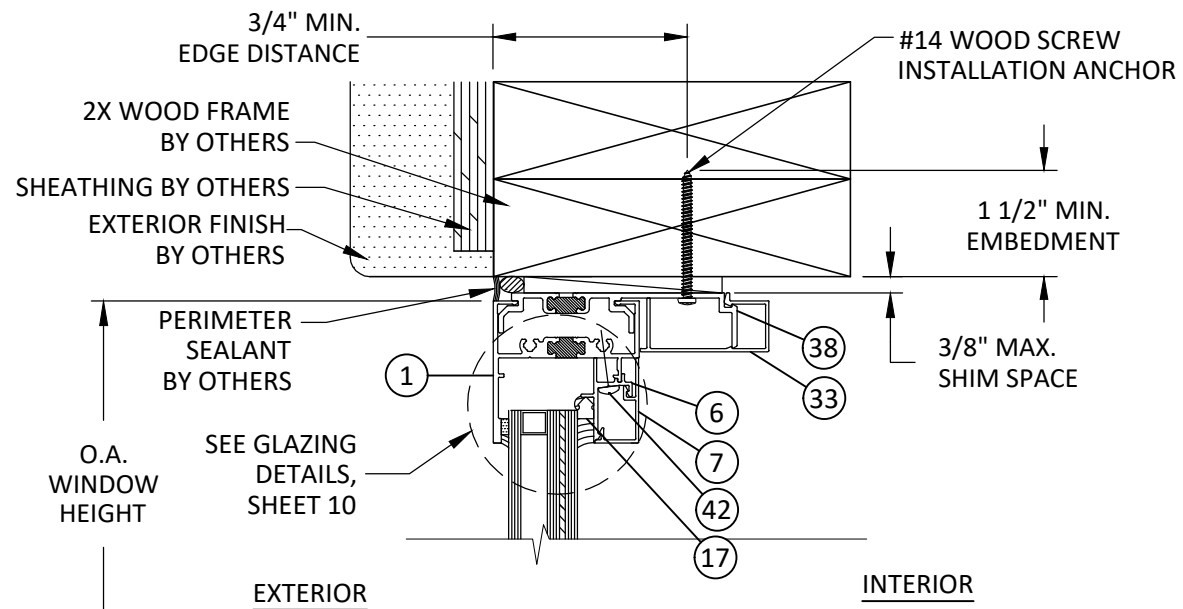
REMARKS	BY	DATE
PECORA 895 NTS UPDATE	LA	06.13.17
WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	05.28.19
8TH FBC CODE CHANGE	SH	06.05.23

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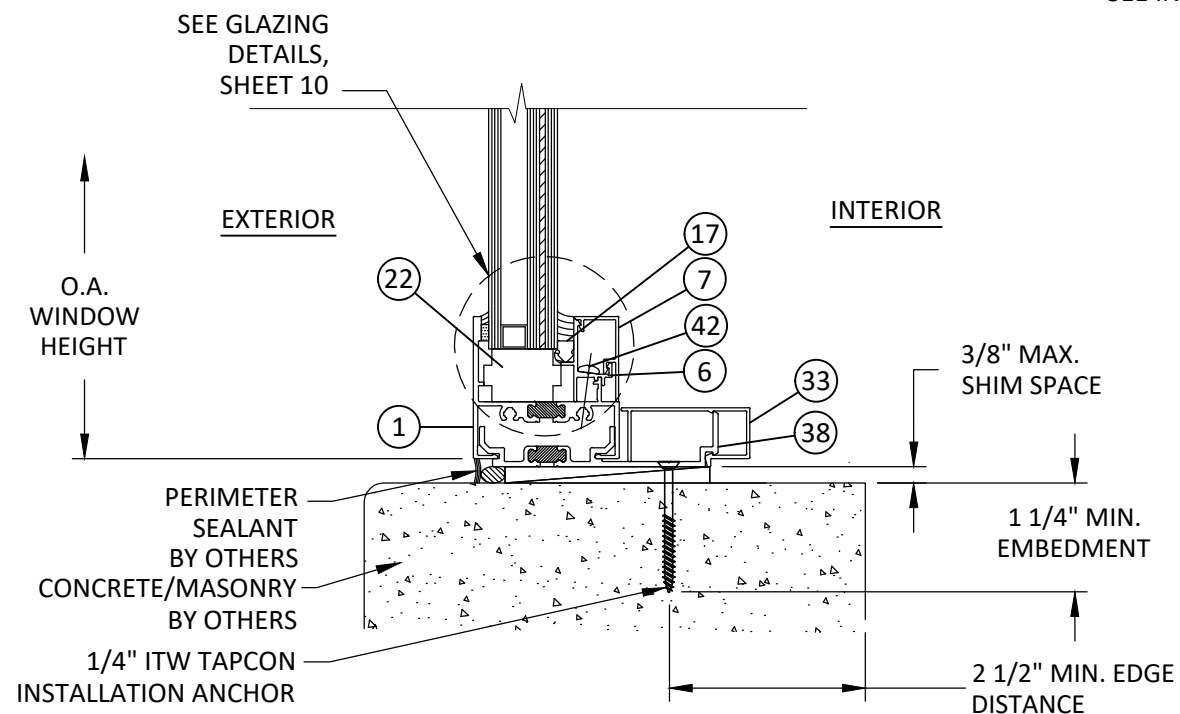


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DWG. #:	YKK015
SHEET:	5

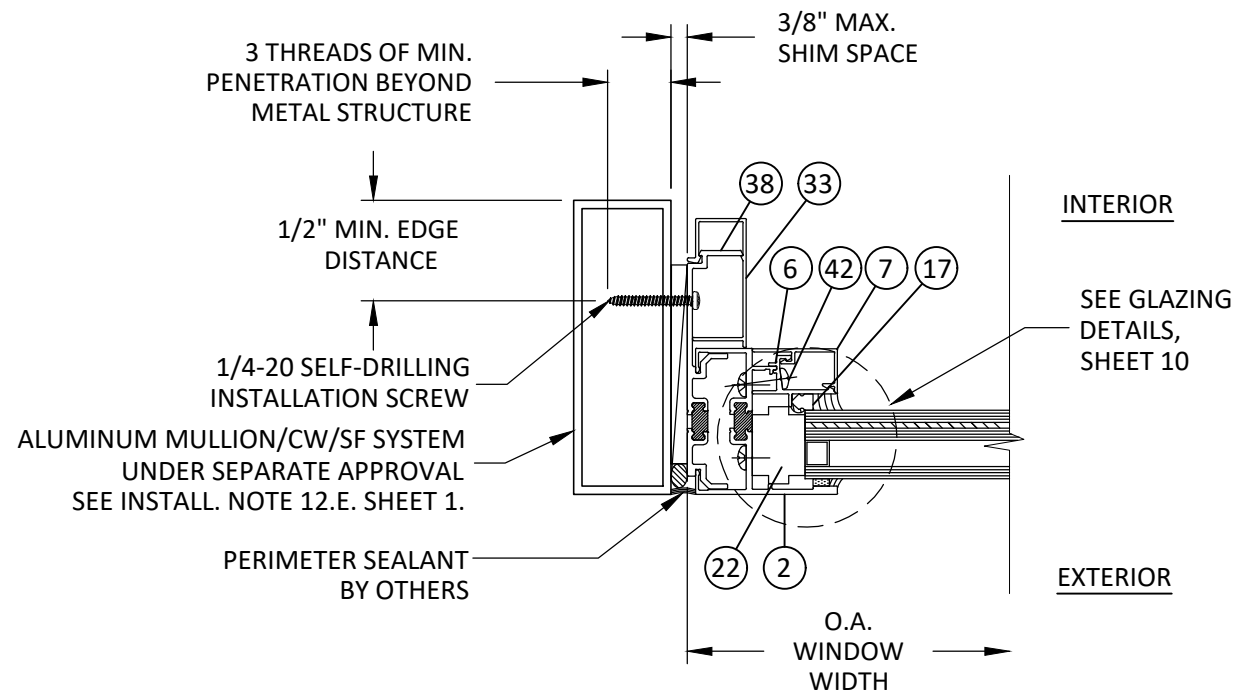
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H
6 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD FRAME
STRAP ANCHOR - TYP.



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



I
6 **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.



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

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

STRAP INSTALLATION DETAILS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
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WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	05.28.19
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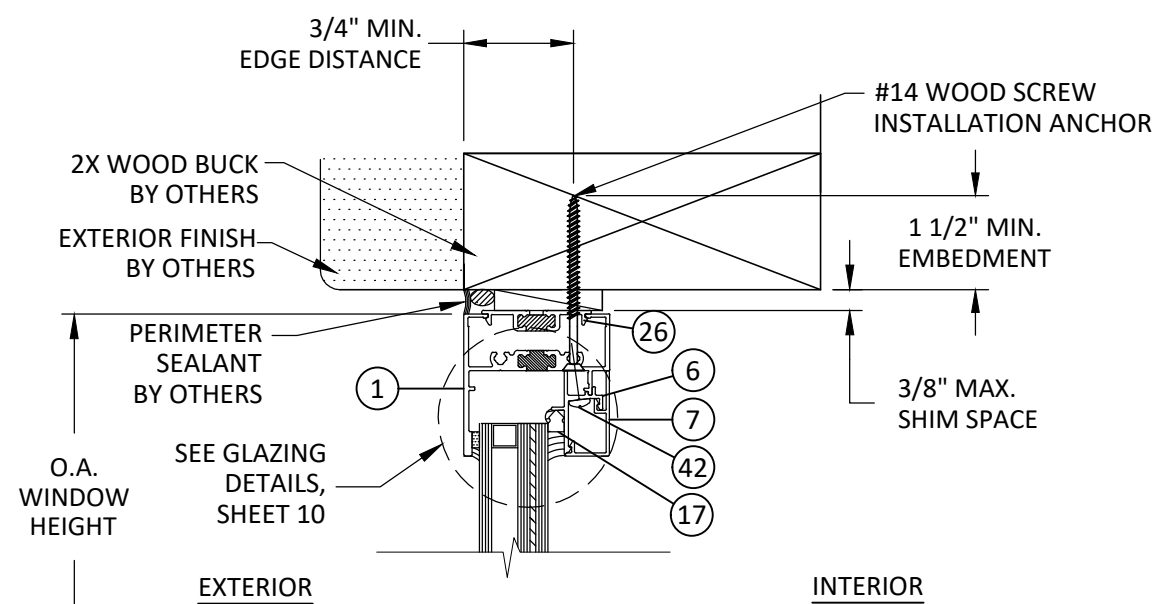
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DWG. #: **YKK015**

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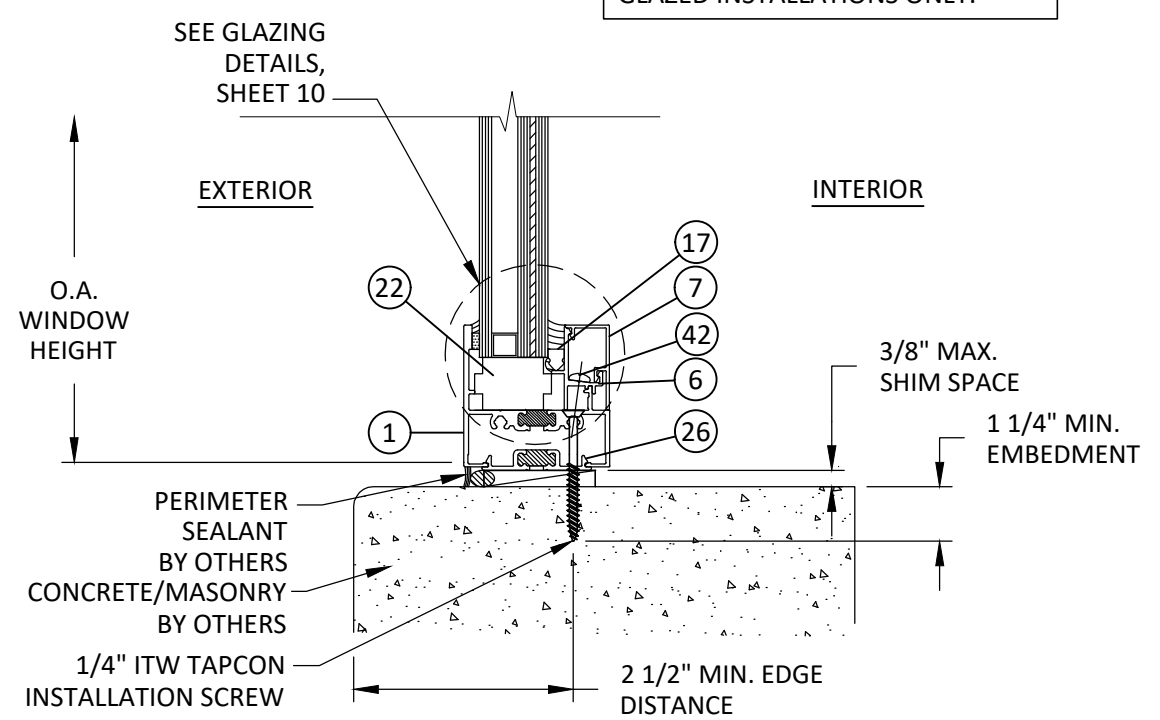
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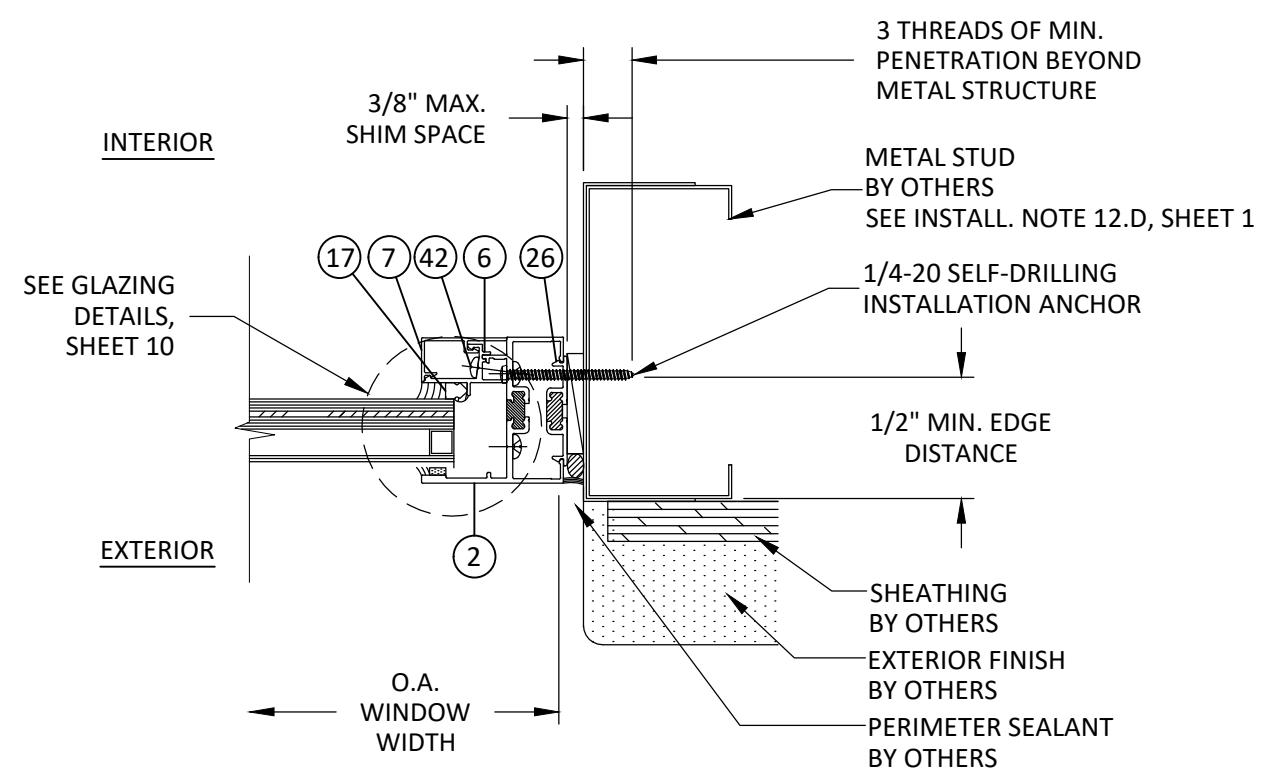


K
7
VERTICAL SECTION
FIXED HEAD - 2X WOOD BUCK
THROUGH FRAME- TYP.

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



J
7
VERTICAL SECTION
FIXED SILL - CONCRETE/MASONRY
THROUGH FRAME - TYP.



L
7
HORIZONTAL SECTION
FIXED JAMB - METAL STUD FRAME
THROUGH FRAME - TYP.



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

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

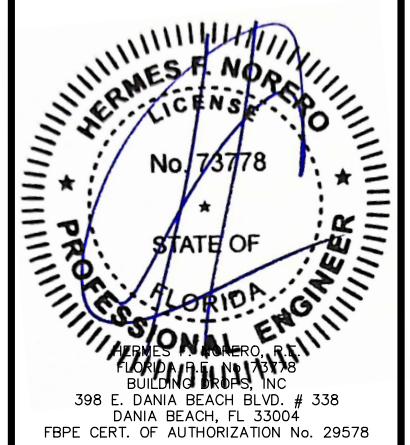
THROUGH FRAME
INSTALLATION DETAILS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



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

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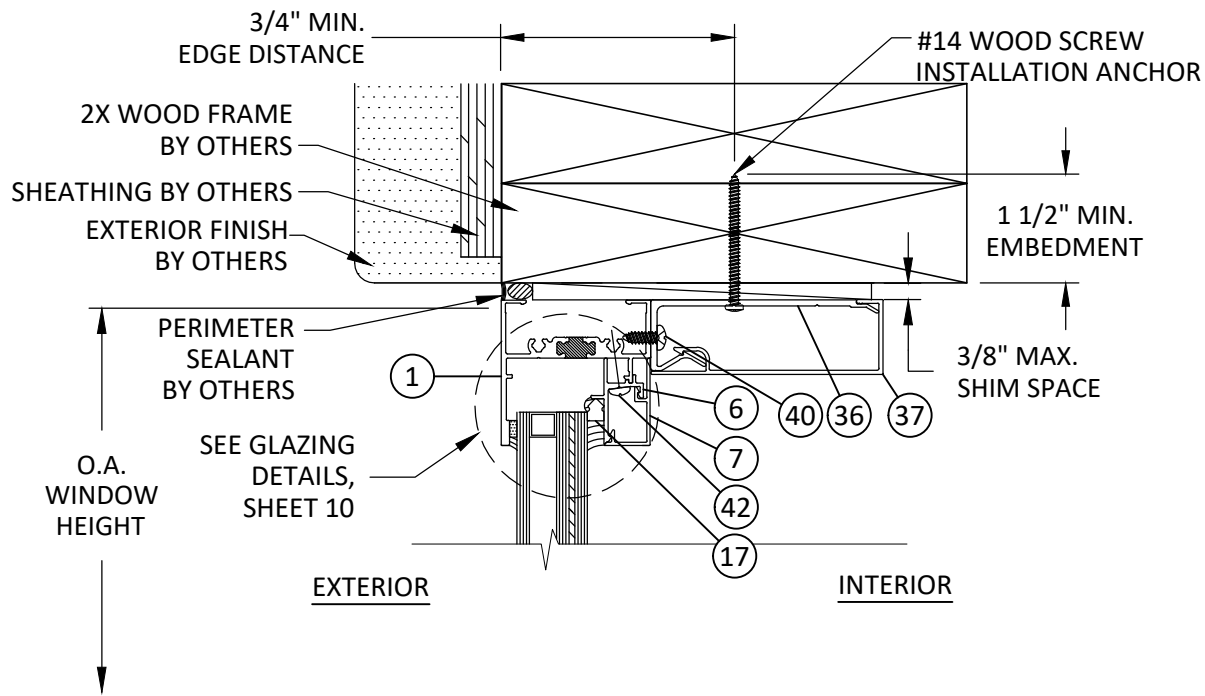
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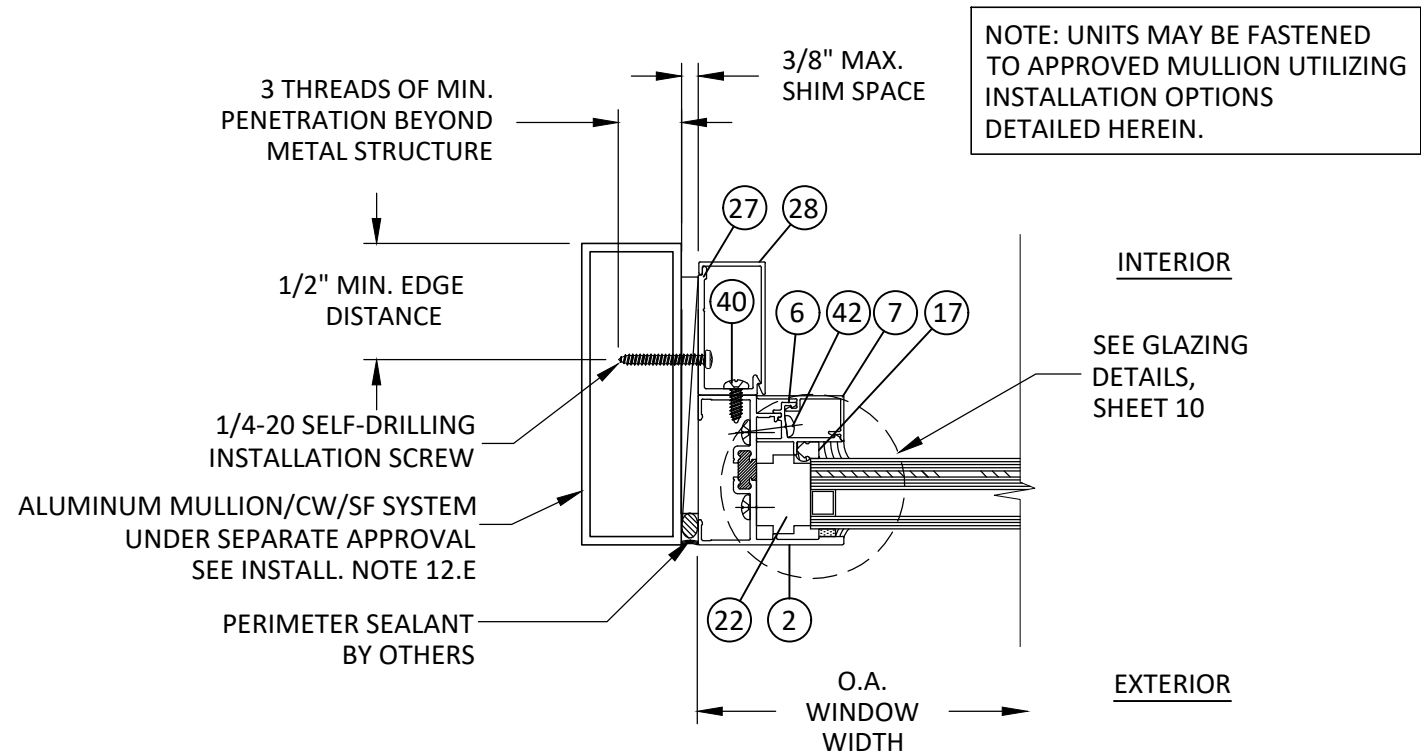
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OF 13

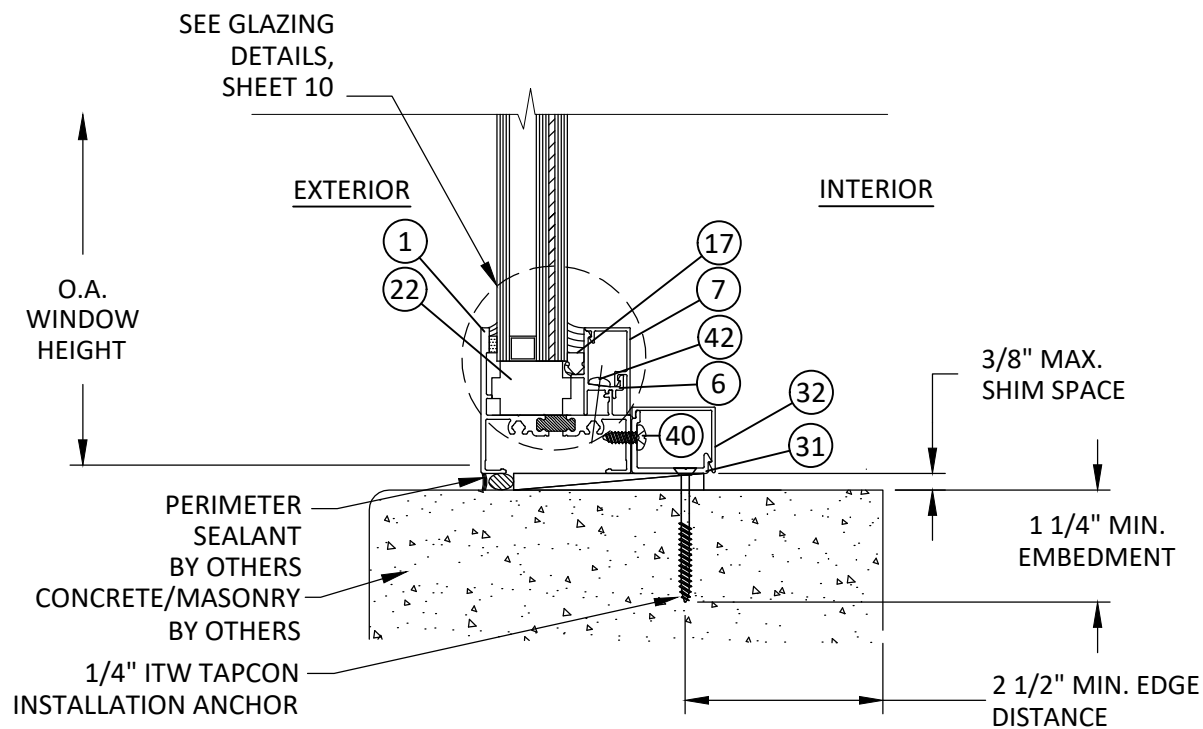
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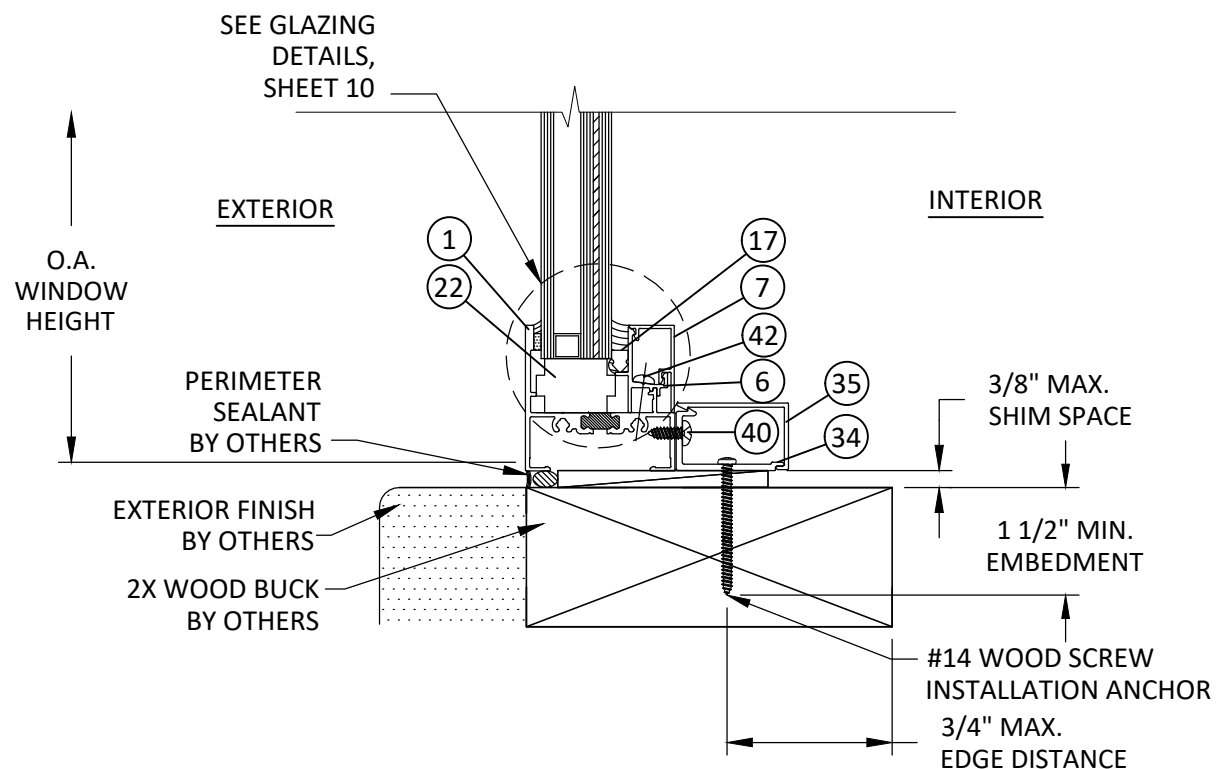
**N
8** VERTICAL SECTION
FIXED HEAD - 2X WOOD FRAME
TRIM CLIP ANCHOR - TYP.



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



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



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

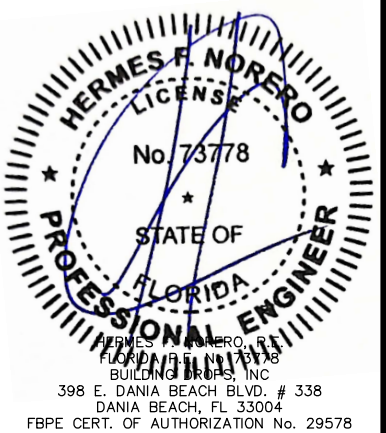


YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YOW 225 TUH THERMAL ALUMINUM FIXED WINDOW (HVHZ) (IMPACT)
TRIM & CLIP ANCHOR INSTALLATION
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

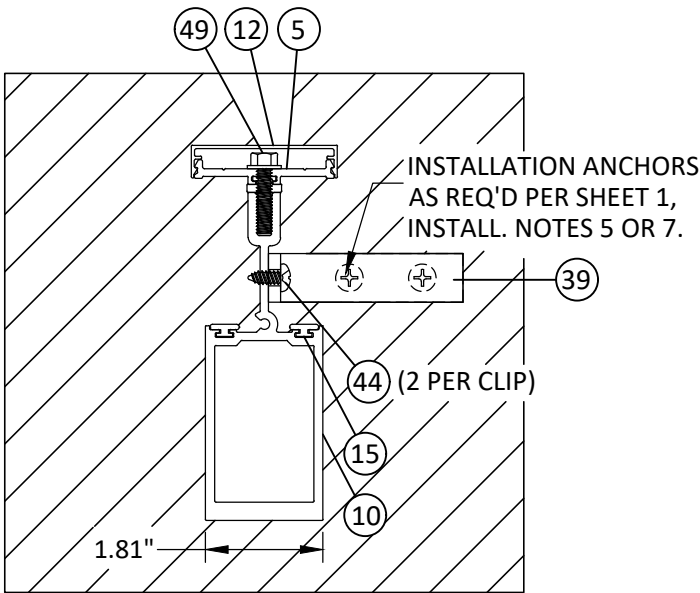
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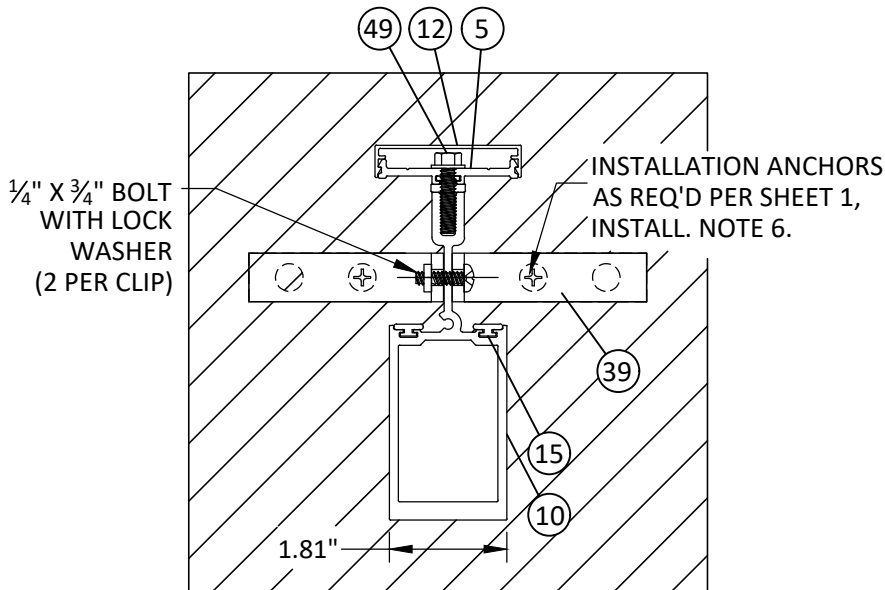


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SHEET:	8

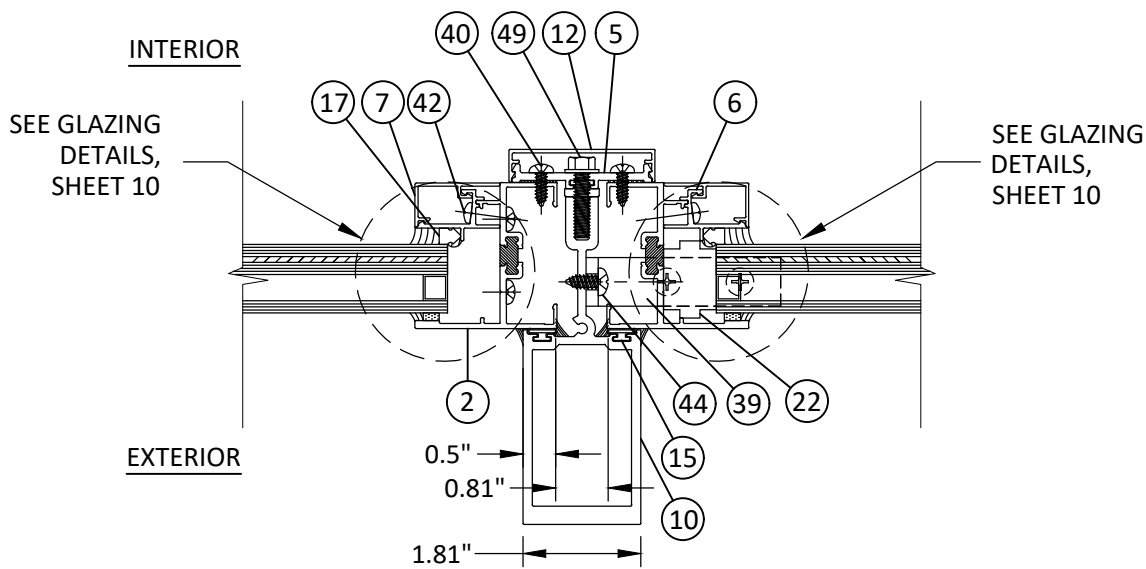
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S9 HORIZONTAL SECTION
STACK MULLION - TYP.
INSTALL TO WOOD/METAL SUBSTRATE



R9 HORIZONTAL SECTION
STACK MULLION - TYP.
INSTALL TO CONCRETE/MASONRY SUBSTRATE



Q9 HORIZONTAL SECTION
STACK 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 T1H THERMAL
ALUMINUM FIXED WINDOW
(HVHZ) (IMPACT)

INTEGRAL & STACK MULL DETAILS

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

PH: (954)399-8478

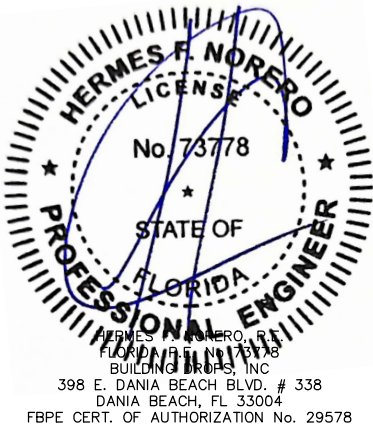
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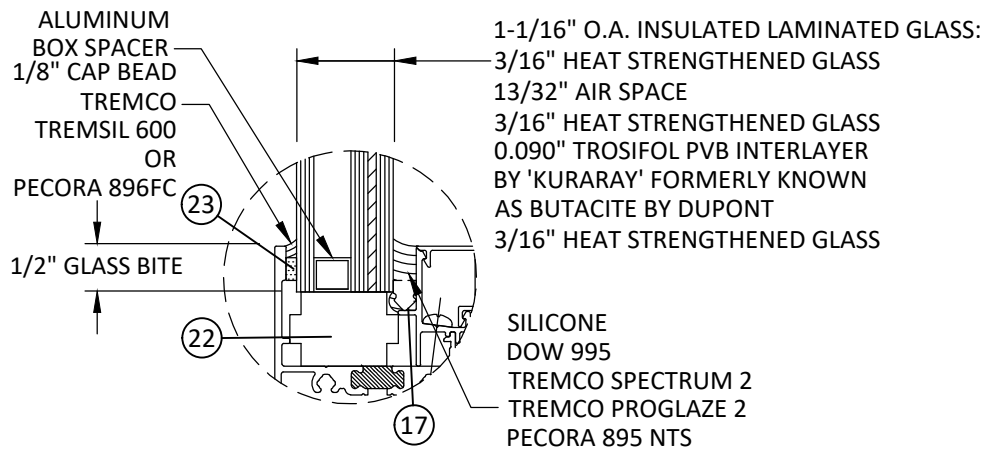
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DWG. #: YKK015

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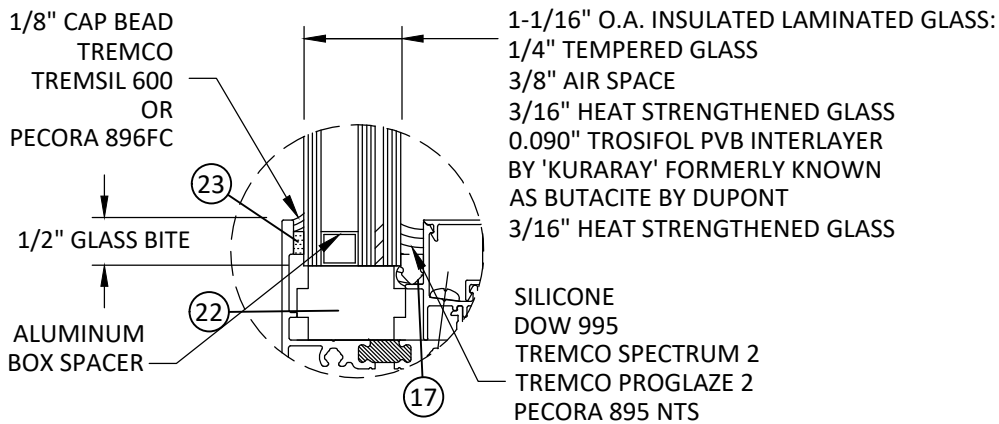
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LARGE MISSILE IMPACT RATED GLAZING OPTIONS
SEE DESIGN PRESSURE TABLES, SHEET 2



GLAZING DETAIL J

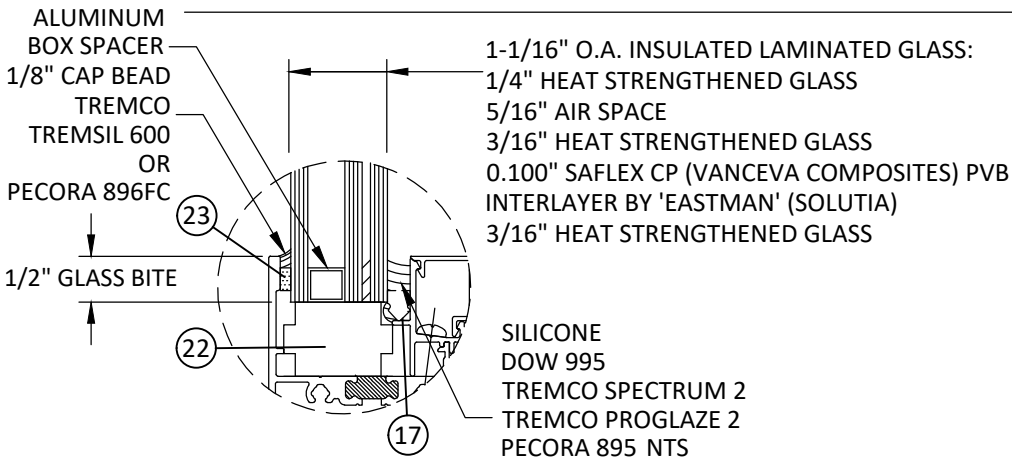
LARGE & SMALL MISSILE IMPACT RATED GLAZING OPTIONS
SEE DESIGN PRESSURE TABLES, SHEET 2



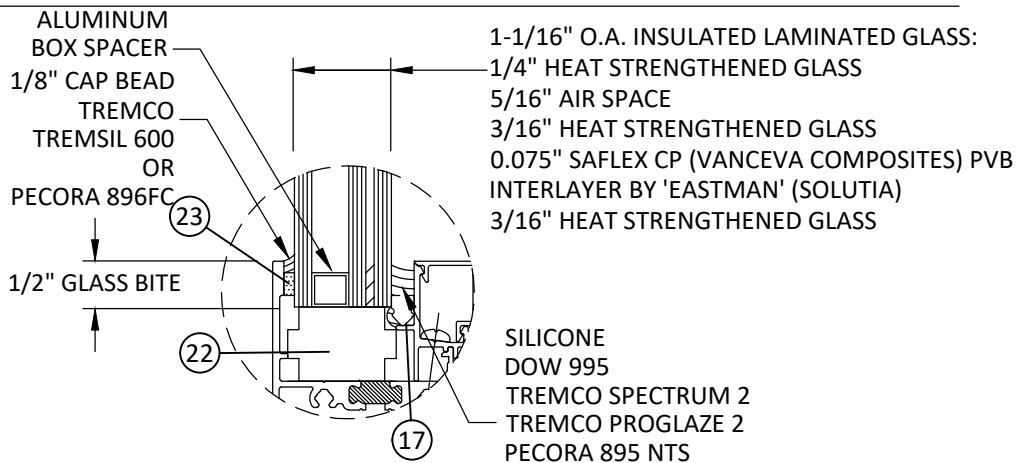
GLAZING DETAIL K

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

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



GLAZING DETAIL C



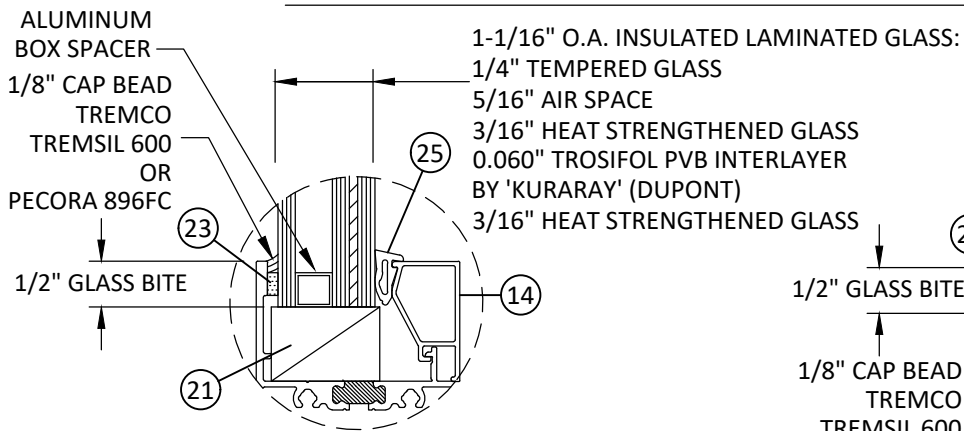
GLAZING DETAIL D

ALUMINUM BOX SPACER:
AROUND THE PERIMETER OF THE GLASS

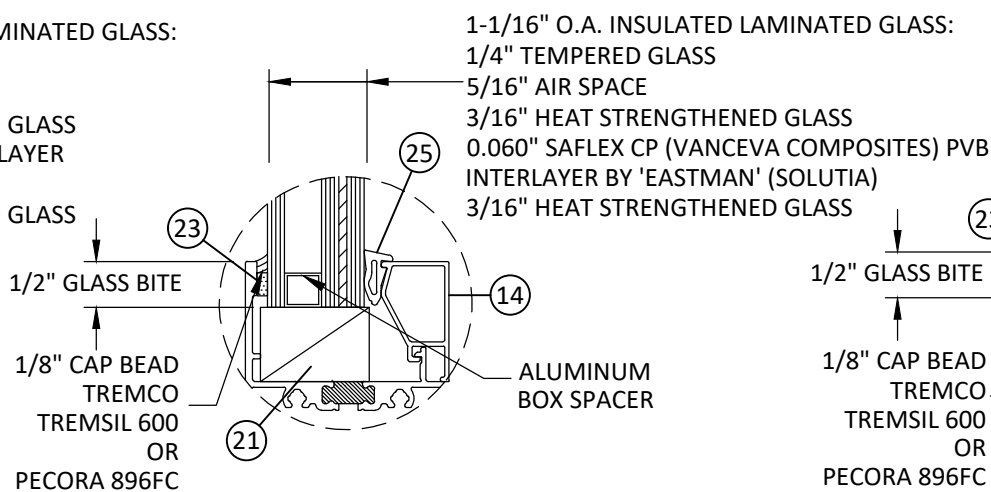
PRIMARY SEALANT:
POLYISOBUTYLENE (PIB)

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

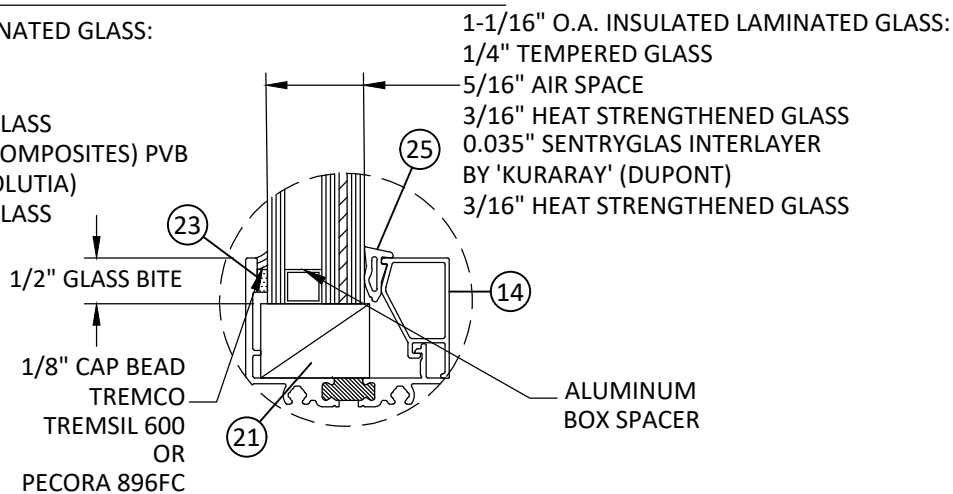
SMALL MISSILE IMPACT RATED GLAZING OPTIONS, SEE DESIGN PRESSURE TABLES, SHEET 2



GLAZING DETAIL F



GLAZING DETAIL G



GLAZING DETAIL H



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

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

GLAZING DETAILS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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YOW 225 TUH BILL OF MATERIAL					
ITEM NUMBER	PART NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER/SUPPLIER	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	MEETING STILE 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					
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 ¼" X 1" CLIP	6063-T5	YKK-AP	
32	E9-4557	1 ¼" 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 ½" X 3 ½" CLIP	6063-T5	YKK-AP	
37	E9-8563	1 ½" X 3 ½" 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 ¾"	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					
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		PECORA 895 NTS SILICONE ADHESIVE	SILICONE		
51		TREMCO SPECTRUM 2 ADHESIVE	SILICONE		
51A		TREMCO PROGLAZE 2 ADHESIVE	SILICONE		
52	PC-0806SS	#8 X 3/8" PHSMS TYPE AB	STAINLESS STEEL		
53	E9-4587	4" SILL TRIM	6063-T5	YKK-AP	
54	E1-2003	END DAM			



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

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

BILL OF MATERIALS

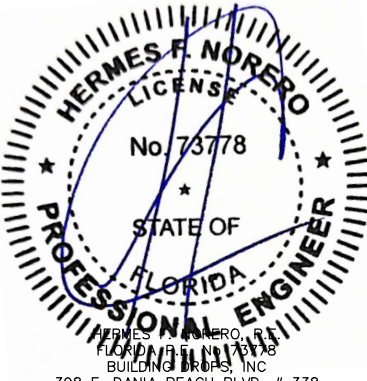
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



BUILDING DROPS

REMARKS	BY	DATE
PECORA 895 NTS UPDATE	LA	06.13.17
WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	05.28.19
8TH FBC CODE CHANGE	SH	06.05.23

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.
FLORIDA PROFESSIONAL ENGINEER
LICENSE No. 73778
STATE OF FLORIDA
398 E. DANIA BEACH BLVD., # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL16314

DATE: **05.15.18**

DWG. BY:
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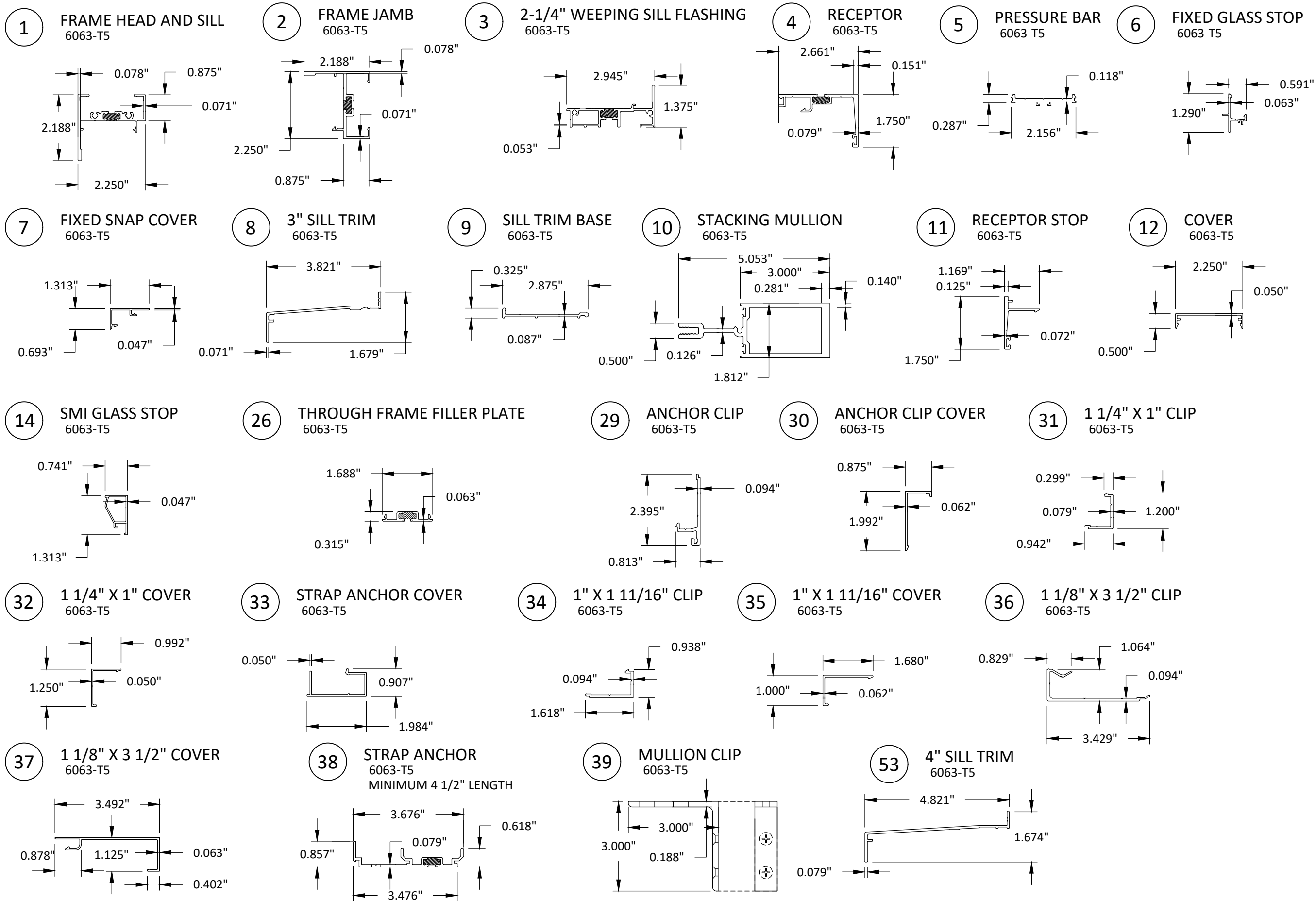
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SCALE: **NTS**

DWG. #: **YKK015**

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

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

COMPONENTS

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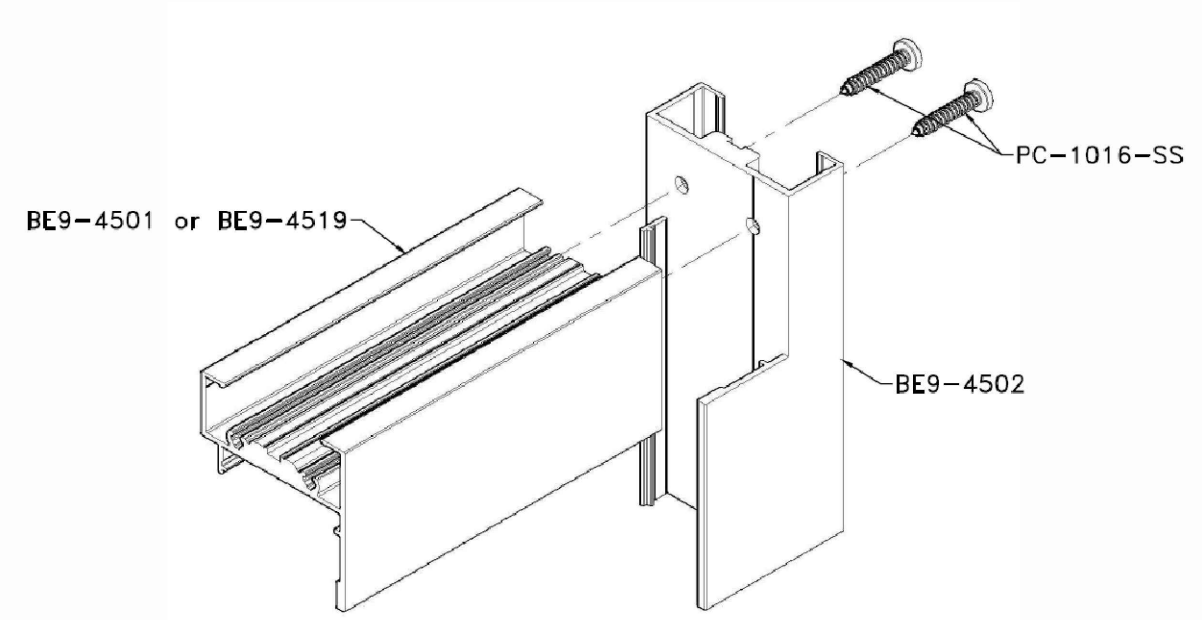
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FRAME CORNER CONSTRUCTION
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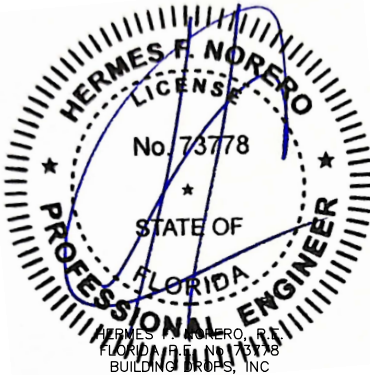
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ALUMINUM FIXED WINDOW
(HVHZ) (IMPACT)

CORNER CONSTRUCTION

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