

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 - CMU UNIT STRENGTH CONFORMS TO ASTM C-90, WITH MIN. COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MIN. GROUT 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.

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/A440-11/17

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. DOCUMENTS SHALL BE APPROVED BY AUTHORITY HAVING JURISDICTION (AHJ).
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. ALL STRUCTURAL MATERIALS & DISSIMILAR 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.
9. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 12 FOR GLAZING DETAILS.

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DESIGN PRESSURE TABLE			
DESCRIPTION	MAX. SIZE	MAX. DP	IMPACT RATING
O	60" X 99"	SEE SHEET 3	SEE SHEET 12
OO	102 1/8" X 80 3/8"	SEE SHEET 3	SEE SHEET 12

- NOTES:
1. MAXIMUM SIZES LISTED ABOVE ARE AS-TESTED, SEE SHEET 2 FOR ALTERNATE APPROVED SIZES.
2. SEE SHEET 4 FOR DESIGN PRESSURES LIMITED BY GLASS TYPE AND FRAME SIZE.
3. SEE SHEET 12 FOR GLAZING DETAILS AND MISSILE SIZE IMPACT RATINGS.

YKK AP America Inc.

YOW 350 TUH THERMAL ALUMINUM
FIXED WINDOW
(WZ3) (IMPACT)



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

TITLE: YOW 350 TUH THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)
INSTALLATION & GENERAL NOTES

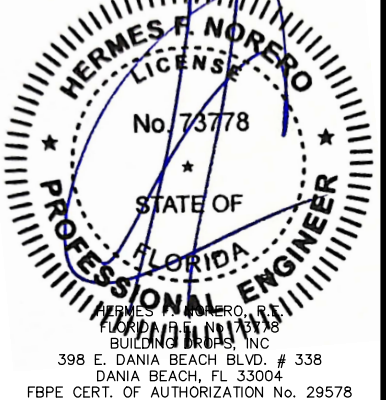
PREPARED BY:
BUILDING DROPS, INC.
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REMARKS	BY	DATE
WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	06.01.19
7TH FBC CODE CHANGE	MS	04.23.20
8TH FBC CODE CHANGE	SH	06.05.23

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.

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.02 14:48:05 -04'00'



FL #:
FL16314

DATE: **05.15.18**

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

SCALE: **NTS**

DWG. #: **YKK154**

SHEET:
1
OF 14

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
48.00		45.4	45.4

NOTE:

- DESIGN PRESSURES APPLY TO FIXED WINDOW UNITS UTILIZING A MULLION AS SHOWN IN ELEVATION A, DETAIL S/10.
- DESIGN PRESSURES HAVE BEEN DETERMINED IN ACCORDANCE WITH CHAPTER 17.
- 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

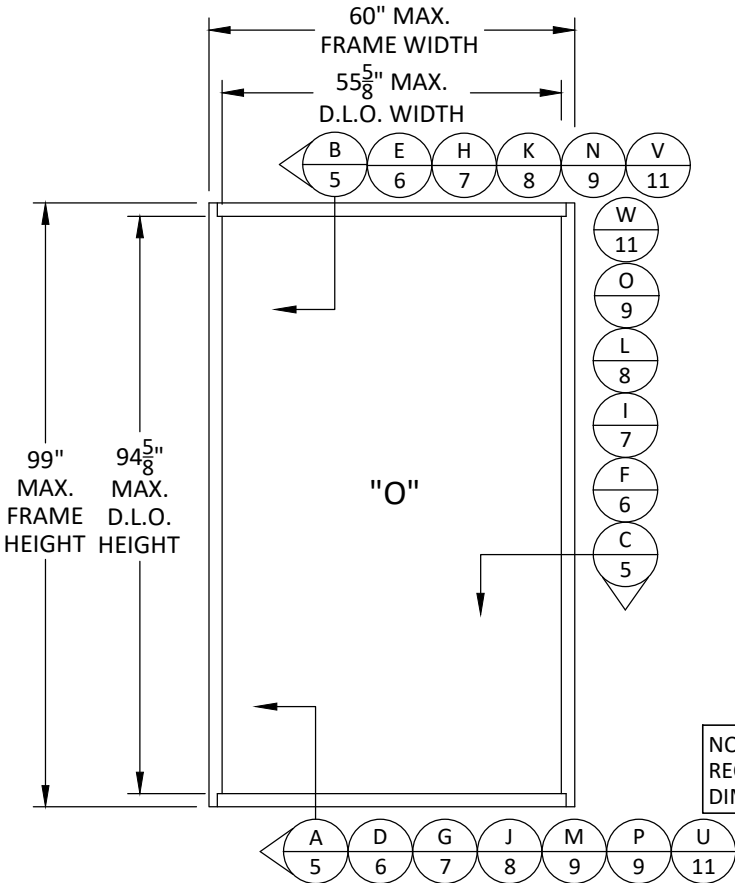
VERTICAL MULLION (BE9-4561) DESIGN PRESSURE TABLE			
MULLION DIM.		DESIGN PRESSURE (PSF)	
WIDTH (IN.)	SPAN (IN.)	+	-
24.00	24.00	65.0	65.0
30.00		65.0	65.0
36.00		65.0	65.0
44.00		65.0	65.0
48.00		65.0	65.0
54.00	36.00	65.0	65.0
60.00		65.0	65.0
66.00		65.0	65.0
72.00		65.0	65.0
24.00		65.0	65.0
30.00	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:

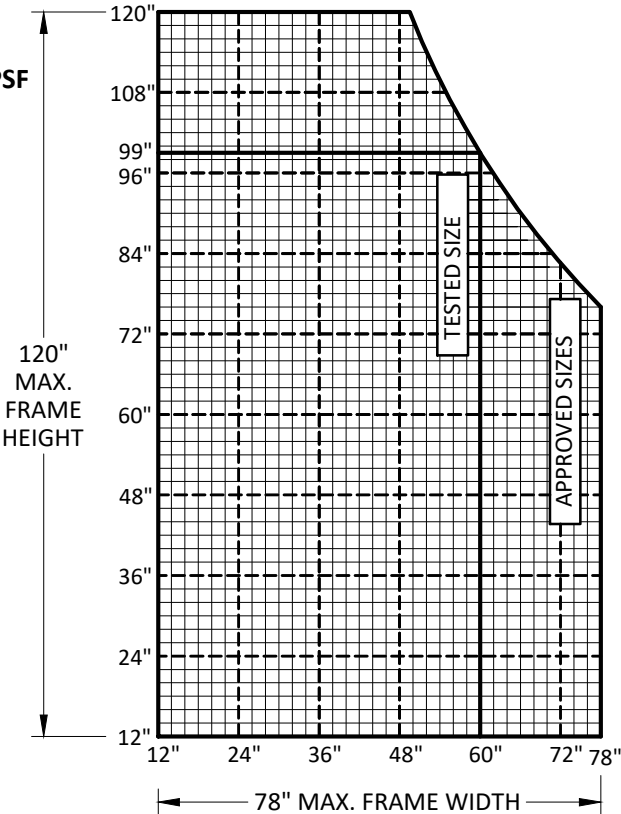
- DESIGN PRESSURES APPLY TO FIXED WINDOW UNITS UTILIZING A MULLION AS SHOWN IN ELEVATION B, DETAIL R/10.
- DESIGN PRESSURES HAVE BEEN DETERMINED IN ACCORDANCE WITH CHAPTER 17.
- WHEN READING FROM THE WIDTH COLUMN, TAKE THE AVERAGE WIDTH BETWEEN THE TWO SEPARATE LITES, WIDTH = (A+B)/2
- MULTIPLE INTEGRAL 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

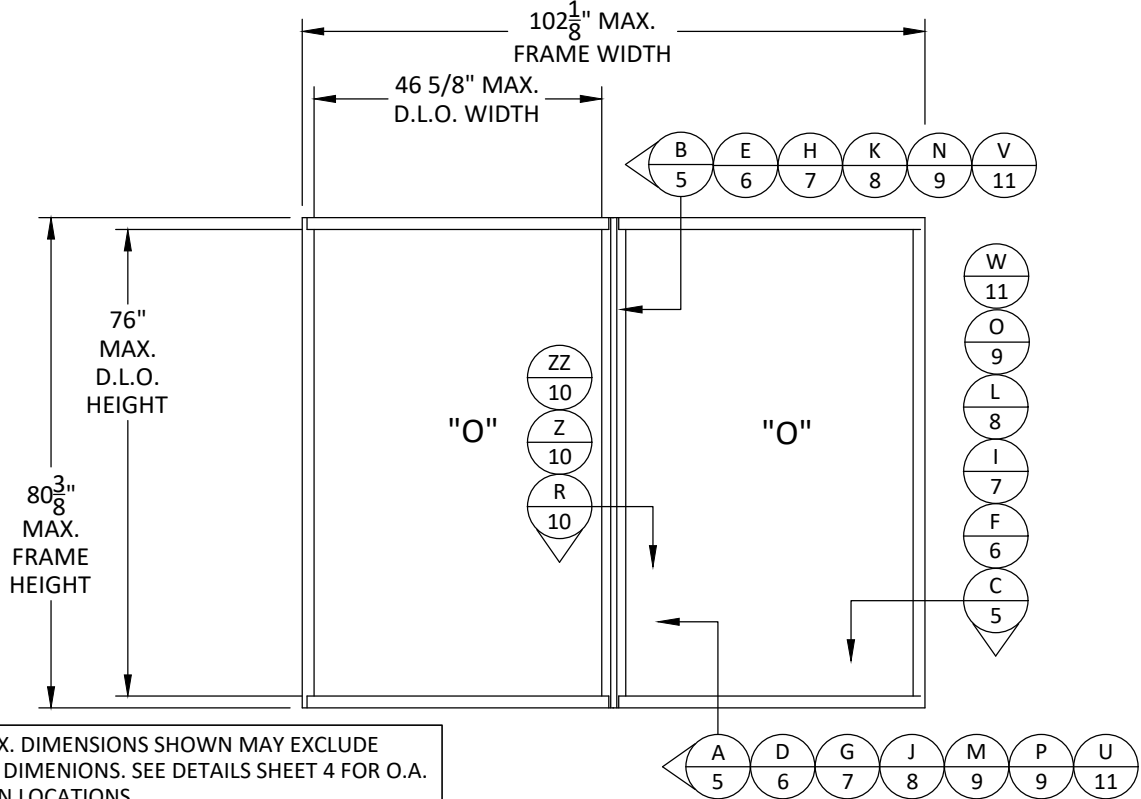
MULLION SPAN = FRAME HEIGHT



ELEVATION A
SINGLE TESTED UNIT
60" X 99" AT MAX +70/-90 PSF



APPROVED SIZES



ELEVATION B
MULLED TESTED UNIT
102 1/8" X 80 3/8" AT MAX +65/-75 PSF

NOTES:

- SIZES SHOWN IN CHART TO LEFT ARE APPROVED FOR SINGLE UNITS FOR USE AT +70/-90 PSF
- REFER TO MULLION APPROVAL DRAWING, YKK215, FOR ALLOWABLE MULLED CONFIGURATION DESIGN PRESSURES, HEIGHTS AND WIDTHS.
- THE TESTED MULLED ELEVATION SHOWN ABOVE IS AUTOMATICALLY QUALIFIED.
- MULLS SHALL BE AS SHOWN HEREIN OR APPROVED UNDER SEPARATE APPROVAL.
- SIZE MAY NOT EXCEED OVERALL SQUARE FOOTAGE OF TESTED SIZE, 41.25 SQ.FT
- GLASS TYPE SHALL BE SELECTED PER DESIGN PRESSURE TABLES ON SHEET 4.
- MAX. SIZES VARY BASED ON APPROVED SIZES CHART.



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TITLE: YOW 350 THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

ELEVATIONS &
APPROVED SIZES

PREPARED BY: BUILDING DROPS, INC.

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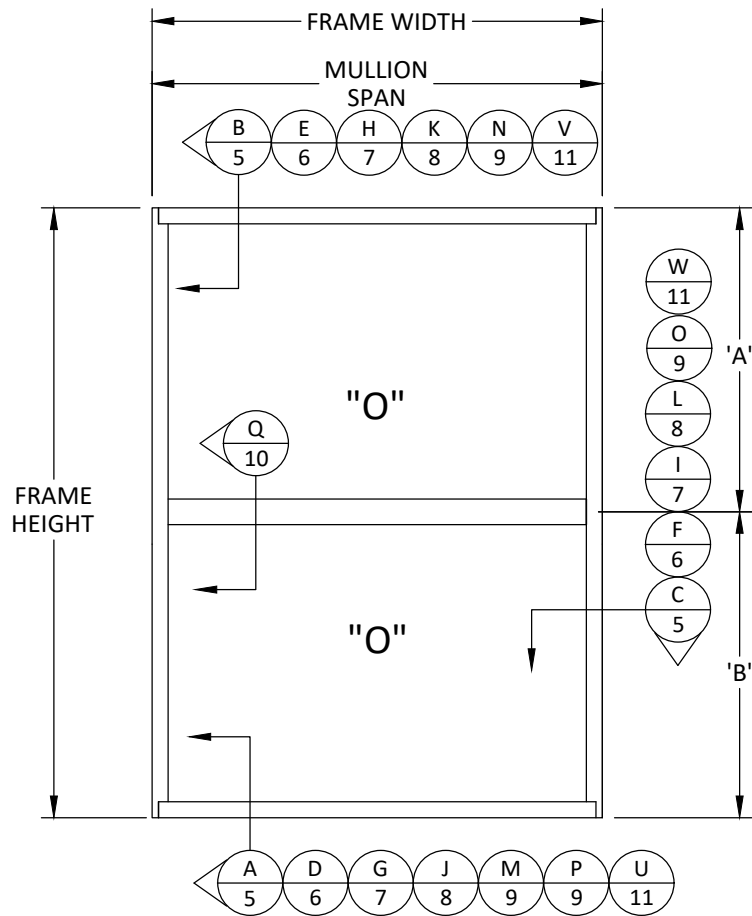
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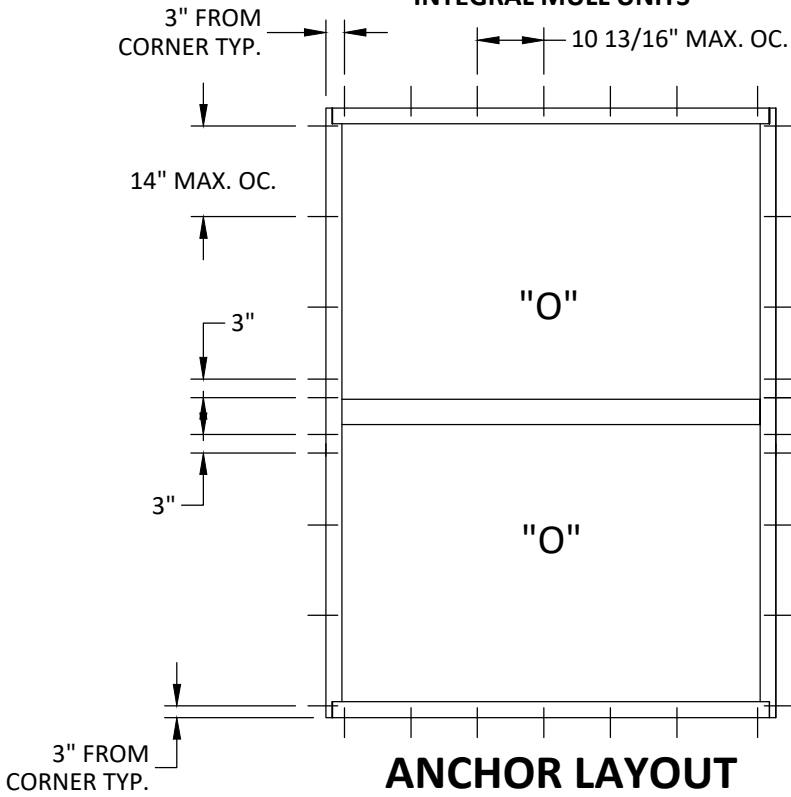
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK154
SHEET:	2

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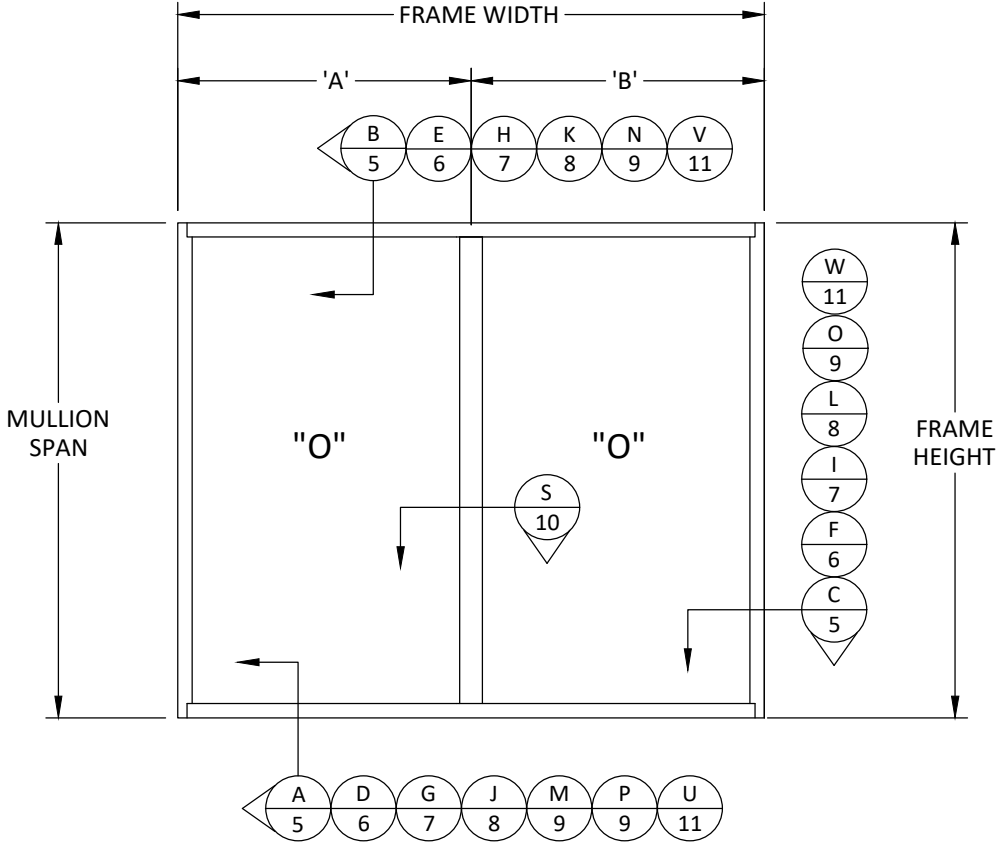


ELEVATION C

INTEGRAL MULL UNITS

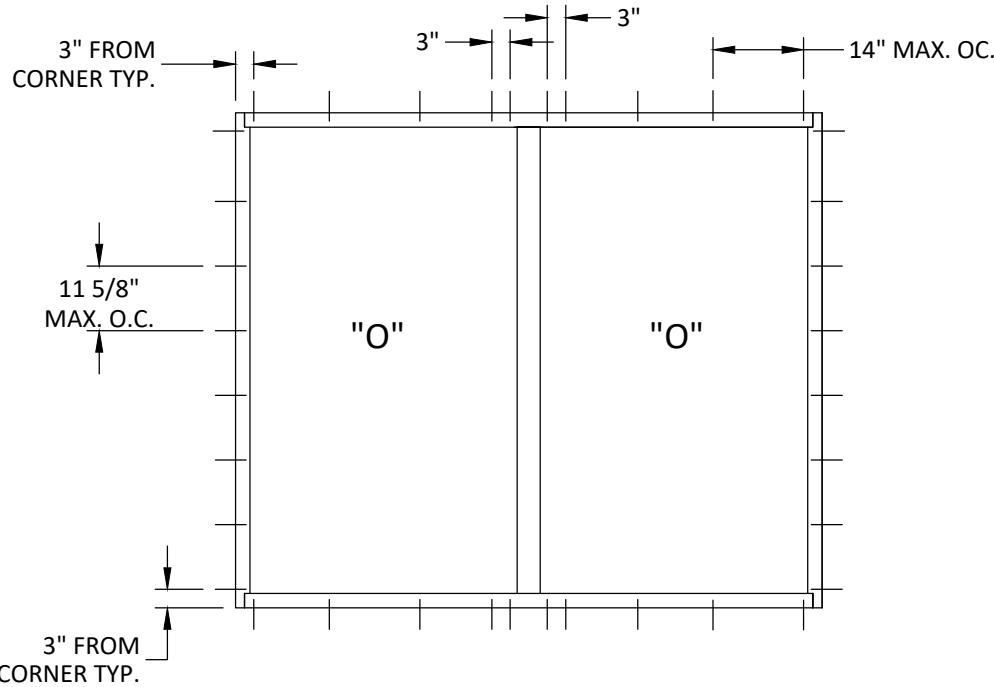


ANCHOR LAYOUT



ELEVATION D

INTEGRAL MULL UNITS



ANCHOR LAYOUT



Quality
inspires™

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

TITLE: YOW 350 TUI THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

ELEVATIONS &
ANCHOR LAYOUTS

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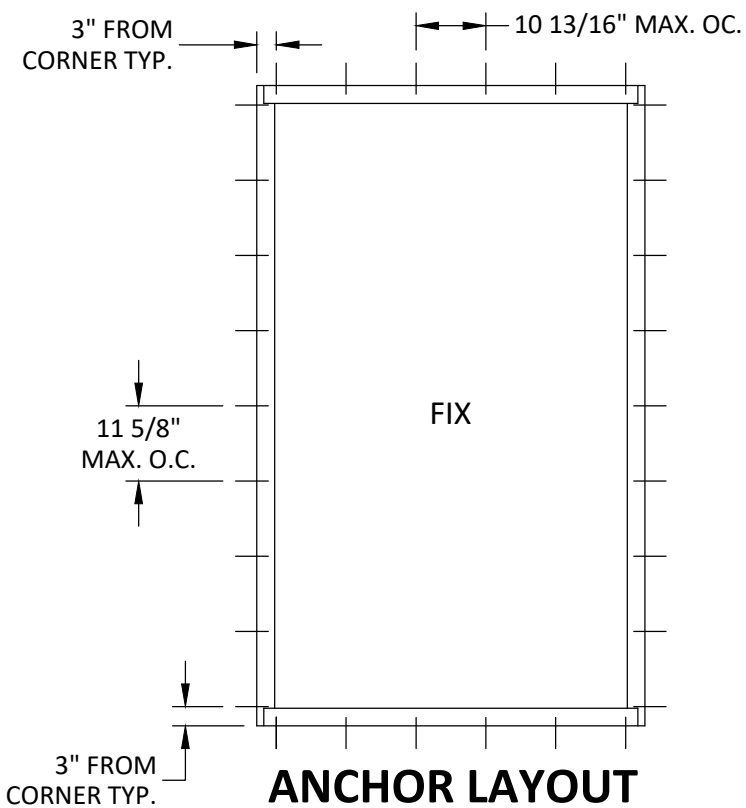


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FLORIDA PROFESSIONAL ENGINEER
No. 73778
STATE OF FLORIDA
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

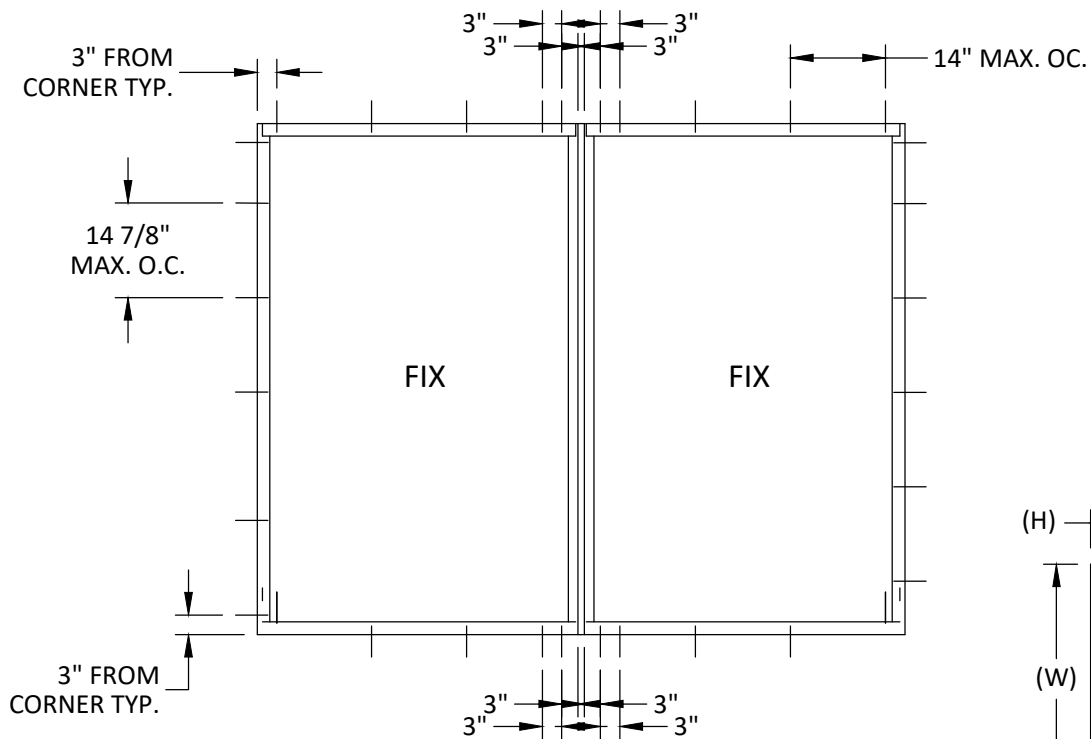
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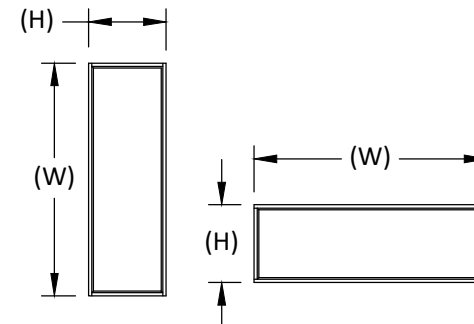
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ANCHOR LAYOUT
60" X 99" AT MAX +70/-90 PSF
STRAP, CLIP, THRU FRAME, TWIST,
RECEPTOR OR TRIM/CLIP INSTALLATIONS



ANCHOR LAYOUT
102¹/₈" X 80³/₈" AT MAX +65/-75 PSF
STRAP, CLIP, THRU FRAME, TWIST,
RECEPTOR OR TRIM/CLIP INSTALLATIONS



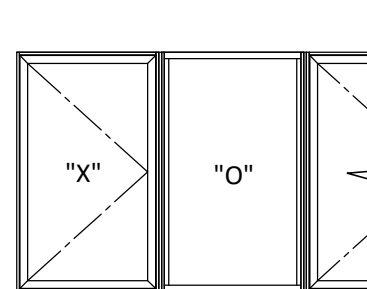
NOTE:
FOR SINGLE UNITS ONLY, WINDOW WIDTH (W)
AND HEIGHT (H) ARE INTERCHANGEABLE FOR ALL
SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM
QUALIFIED SQUARE FOOT AREA. MULLED UNITS
SHALL BE EVALUATED SEPARATELY.

MAX DESIGN PRESSURE PER GLASS TYPE (PSF)									
NOMINAL DIMS.		TYPE C		TYPES D & F		TYPES G & H		TYPES J & K	
WIDTH (in.)	HEIGHT (in.)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
60	66	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
66		-	-	70.0	90.0	70.0	70.0	-	-
72		-	-	70.0	90.0	70.0	70.0	-	-
78		-	-	65.1	83.6	65.1	70.0	-	-
48	72	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
54		63.2	63.2	70.0	90.0	70.0	70.0	79.7	79.7
60		-	-	70.0	90.0	70.0	70.0	-	-
66		-	-	70.0	90.0	70.0	70.0	-	-
72	76	-	-	70.0	90.0	70.0	70.0	-	-
78		-	-	69.7	89.6	69.7	70.0	-	-
42		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
48		64.9	64.9	70.0	90.0	70.0	70.0	80.0	80.0
54	84	-	-	70.0	90.0	70.0	70.0	-	-
60		-	-	70.0	90.0	70.0	70.0	-	-
66		-	-	70.0	90.0	70.0	70.0	-	-
72		-	-	70.0	90.0	70.0	70.0	-	-
78	90	-	-	70.0	90.0	70.0	70.0	-	-
44		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
48		62.2	62.2	70.0	90.0	70.0	70.0	78.4	78.4
54		-	-	70.0	90.0	70.0	70.0	-	-
60	96	-	-	70.0	90.0	70.0	70.0	-	-
66		-	-	70.0	90.0	70.0	70.0	-	-
70		-	-	70.0	90.0	70.0	70.0	-	-
42		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
44	93.125	64.2	64.2	70.0	90.0	70.0	70.0	80.0	80.0
48		-	-	70.0	90.0	70.0	70.0	-	-
54		-	-	70.0	90.0	70.0	70.0	-	-
60		-	-	70.0	90.0	70.0	70.0	-	-
62	99	-	-	70.0	90.0	70.0	70.0	-	-
66		-	-	70.0	90.0	70.0	70.0	-	-
70		-	-	70.0	90.0	70.0	70.0	-	-
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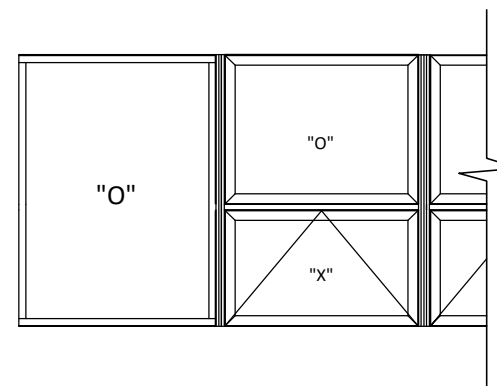
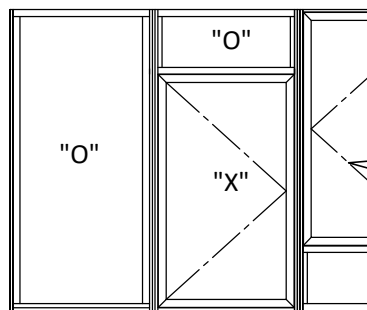
MAX DESIGN PRESSURE PER GLASS TYPE (PSF)									
NOMINAL DIMS.		TYPE C		TYPES D & F		TYPES G & H		TYPES J & K	
WIDTH (in.)	HEIGHT (in.)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
42	96	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
48		-	-	70.0	90.0	70.0	70.0	-	-
54		-	-	70.0	90.0	70.0	70.0	-	-
60		-	-	70.0	90.0	70.0	70.0	-	-
61	99	-	-	70.0	90.0	70.0	70.0	-	-
40		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
42		-	-	70.0	90.0	70.0	70.0	-	-
48		-	-	70.0	90.0	70.0	70.0	-	-
54	102	-	-	70.0	90.0	70.0	70.0	-	-
60		-	-	70.0	90.0	70.0	70.0	-	-
36		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
42		-	-	70.0	90.0	70.0	70.0	-	-
48	108	-	-	70.0	90.0	70.0	70.0	-	-
54		-	-	70.0	90.0	70.0	70.0	-	-
55		-	-	70.0	90.0	70.0	70.0	-	-
30		65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
36	114	-	-	70.0	90.0	70.0	70.0	-	-
42		-	-	70.0	90.0	70.0	70.0	-	-
48		-	-	70.0	90.0	70.0	70.0	-	-
52		-	-	70.0	90.0	70.0	70.0	-	-
30	120	65.0	65.0	70.0	90.0	70.0	70.0	80.0	80.0
36		-	-	70.0	90.0	70.0	70.0	-	-
42		-	-	70.0	90.0	70.0	70.0	-	-
48		-	-	70.0	90.0	70.0	70.0	-	-
49.5	126	-	-	70.0	90.0	70.0	70.0	-	-
54		-	-	70.0	90.0	70.0	70.0	-	-
60		-	-	70.0	90.0	70.0	70.0	-	-
66		-	-	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 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 12 FOR MISSILE IMPACT RATINGS AND GLAZING DETAILS

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 YKK153 & YKK155). 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 350 TUI THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

ANCHOR LAYOUTS, DP TABLE,
& QUALIFIED CONFIGURATIONS

PREPARED BY:

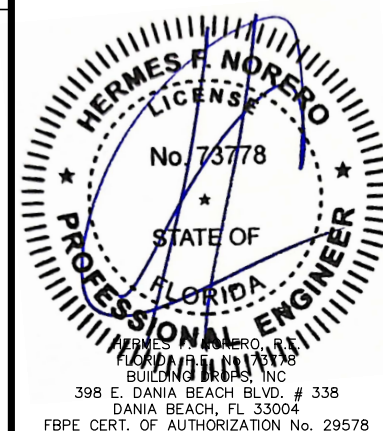
BUILDING DROPS, INC.

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
WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	06.01.19
7TH FBC CODE CHANGE	MS	04.23.20
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**

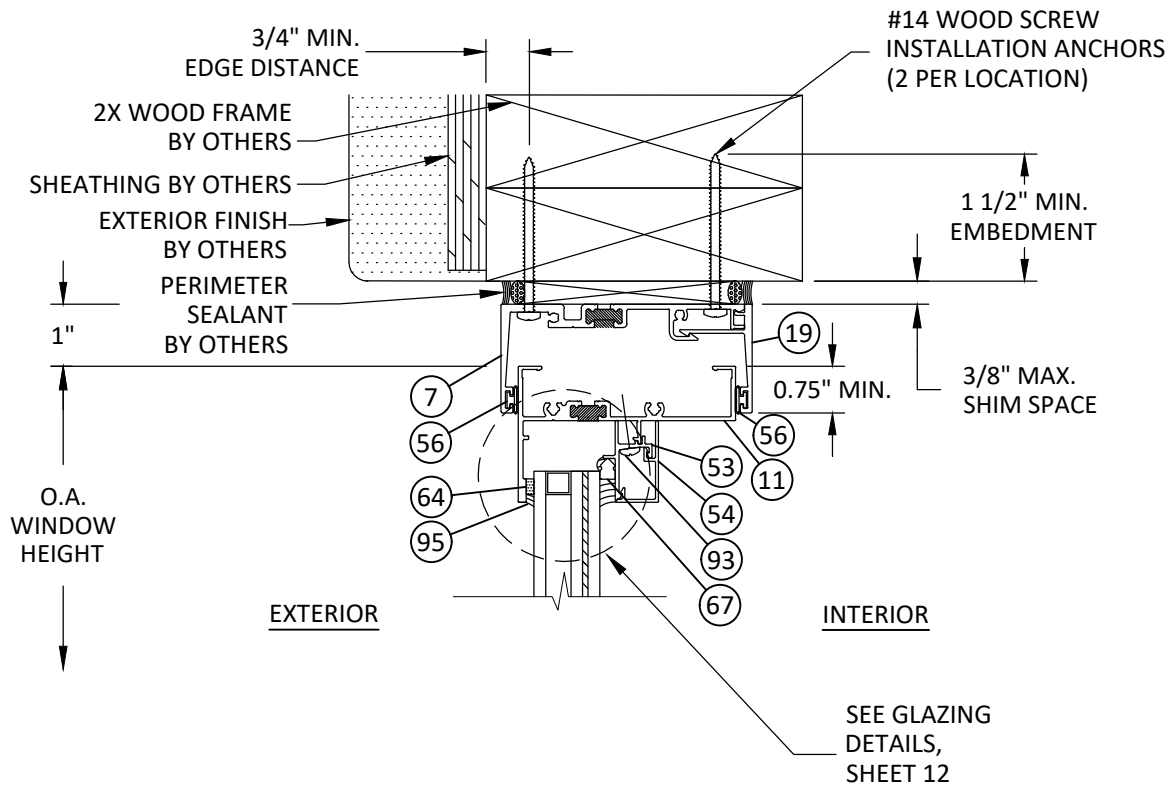
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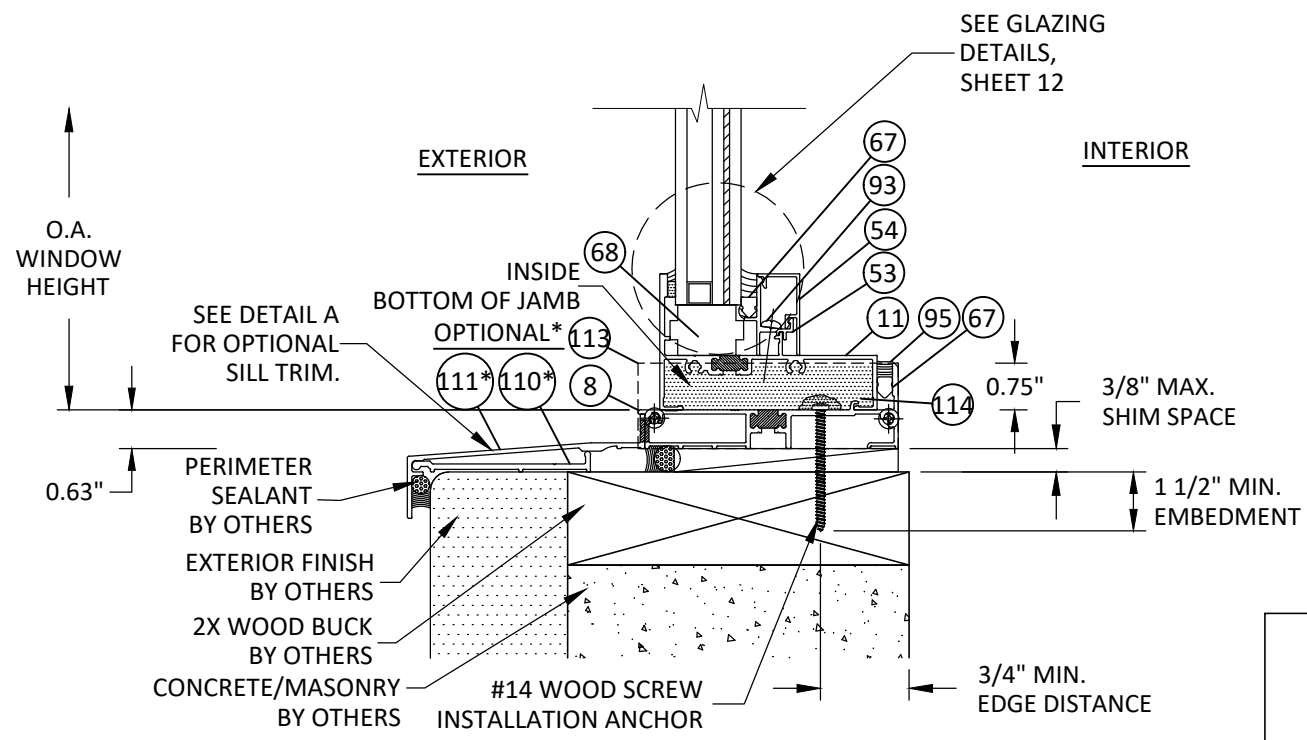
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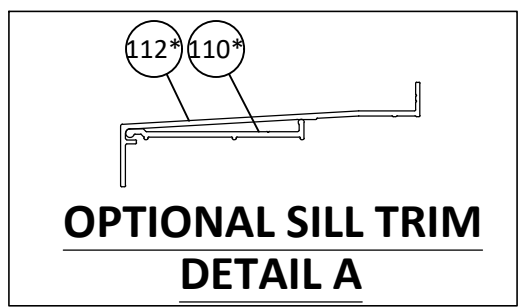
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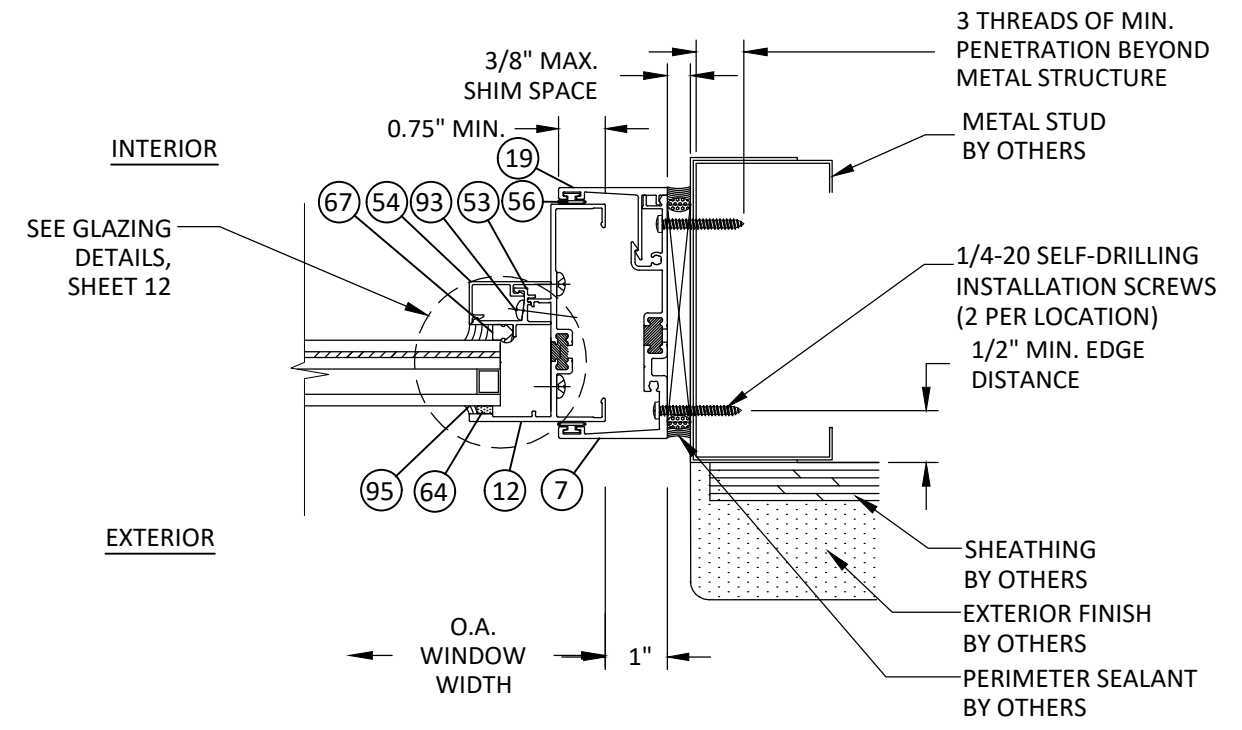
B
5
VERTICAL SECTION
FIXED HEAD - 2X WOOD FRAME
INT. SET RECEPTOR - TYP.



A
5
VERTICAL SECTION
FIXED SILL - 2X WOOD BUCK
SILL FLASHING - TYP.



**OPTIONAL SILL TRIM
DETAIL A**



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



Quality
inspires™

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

TITLE: YOW 350 THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (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



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SILL FLASHING UPDATE	HR	06.01.19
7TH FBC CODE CHANGE	MS	04.23.20
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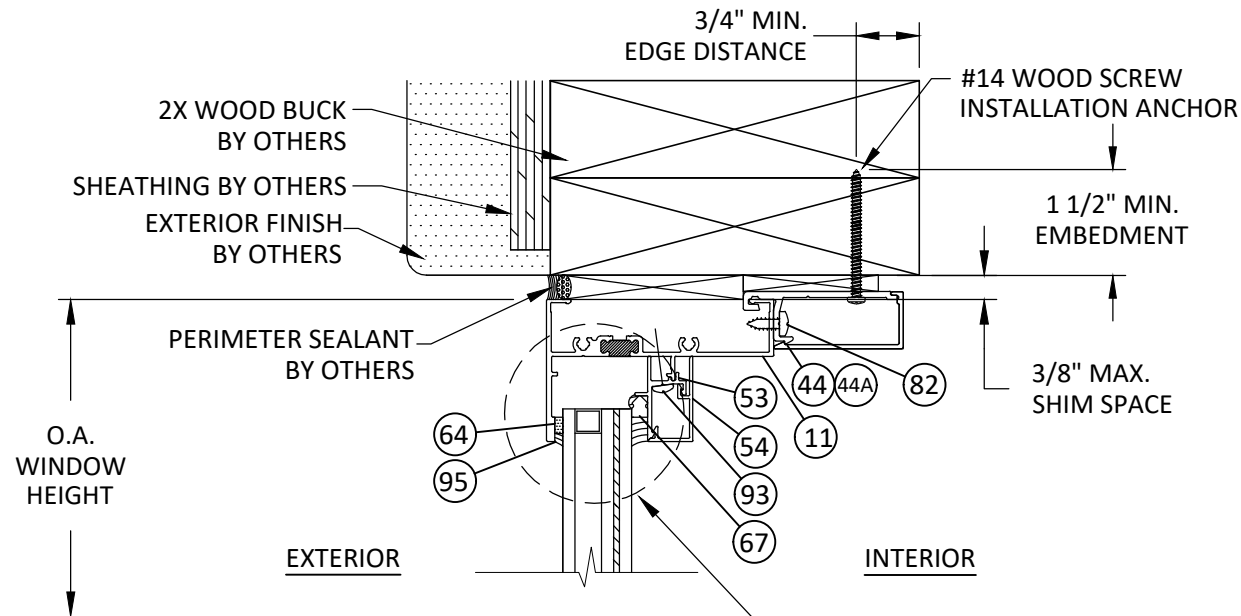
HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

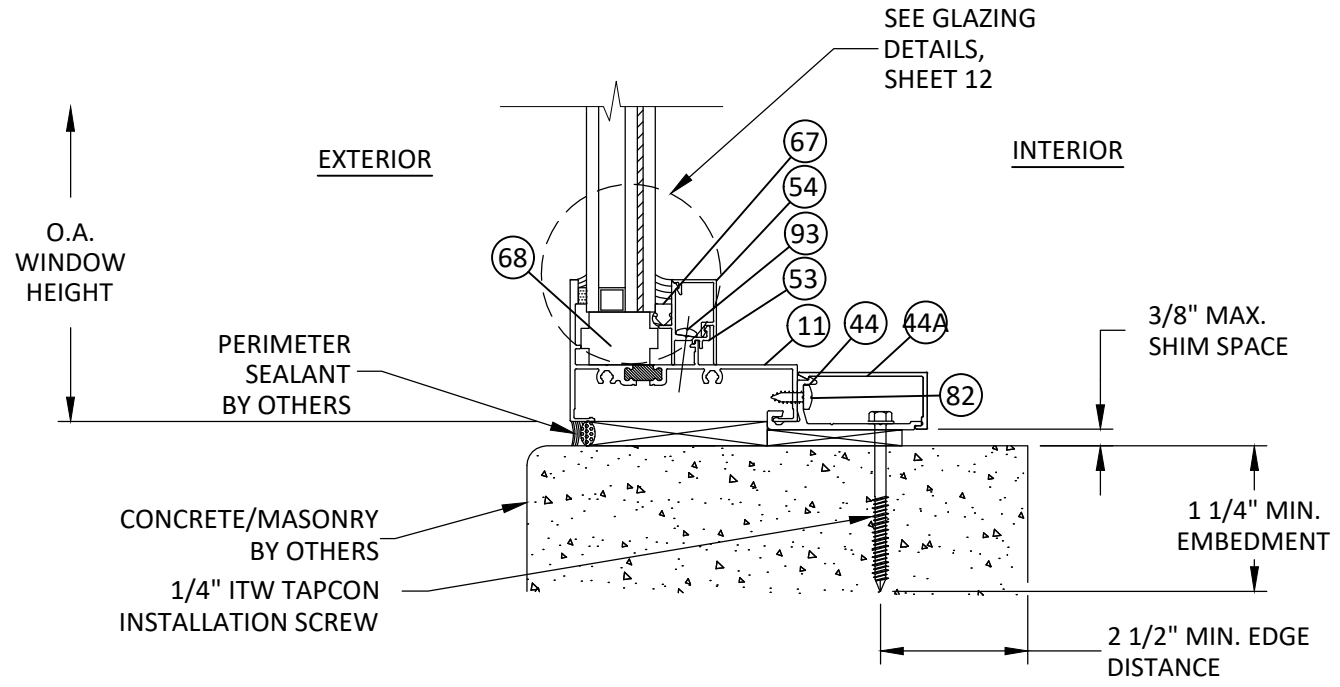
FL #:	FL16314
DATE:	05.15.18
DWG. BY:	AR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK154
SHEET:	5

OF 14

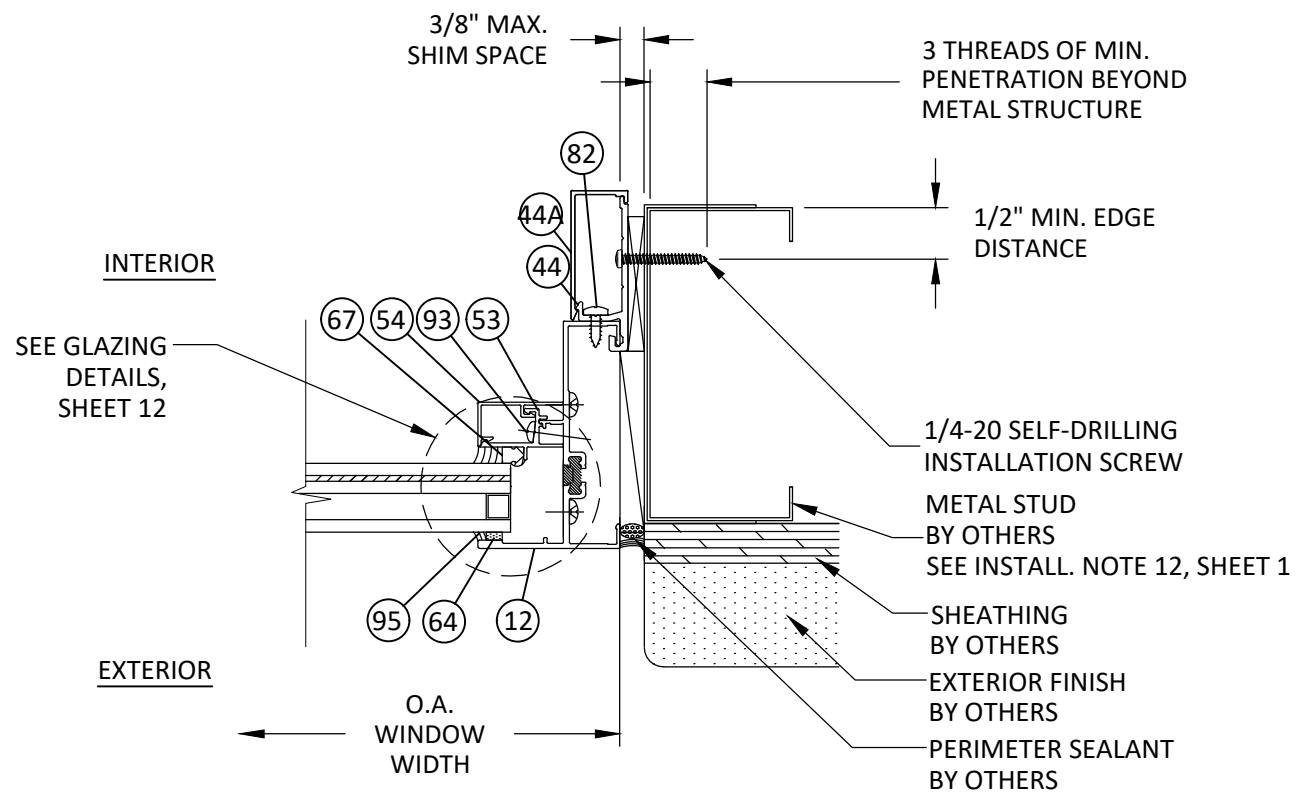
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E
6
VERTICAL SECTION
FIXED HEAD - 2X WOOD FRAME
CLIP ANCHOR - TYP.



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 350 THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

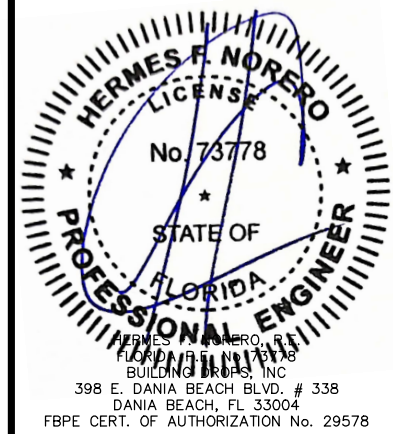
CLIP INSTALLATION DETAILS

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



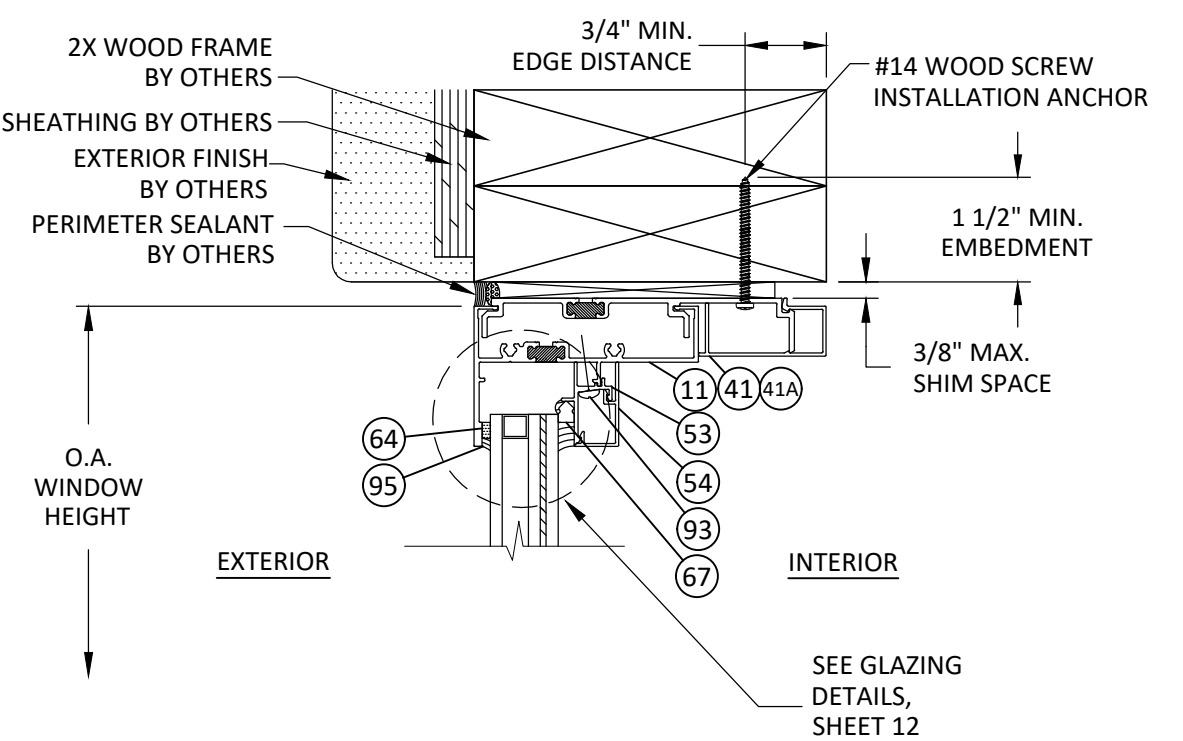
REMARKS	BY	DATE
WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	06.01.19
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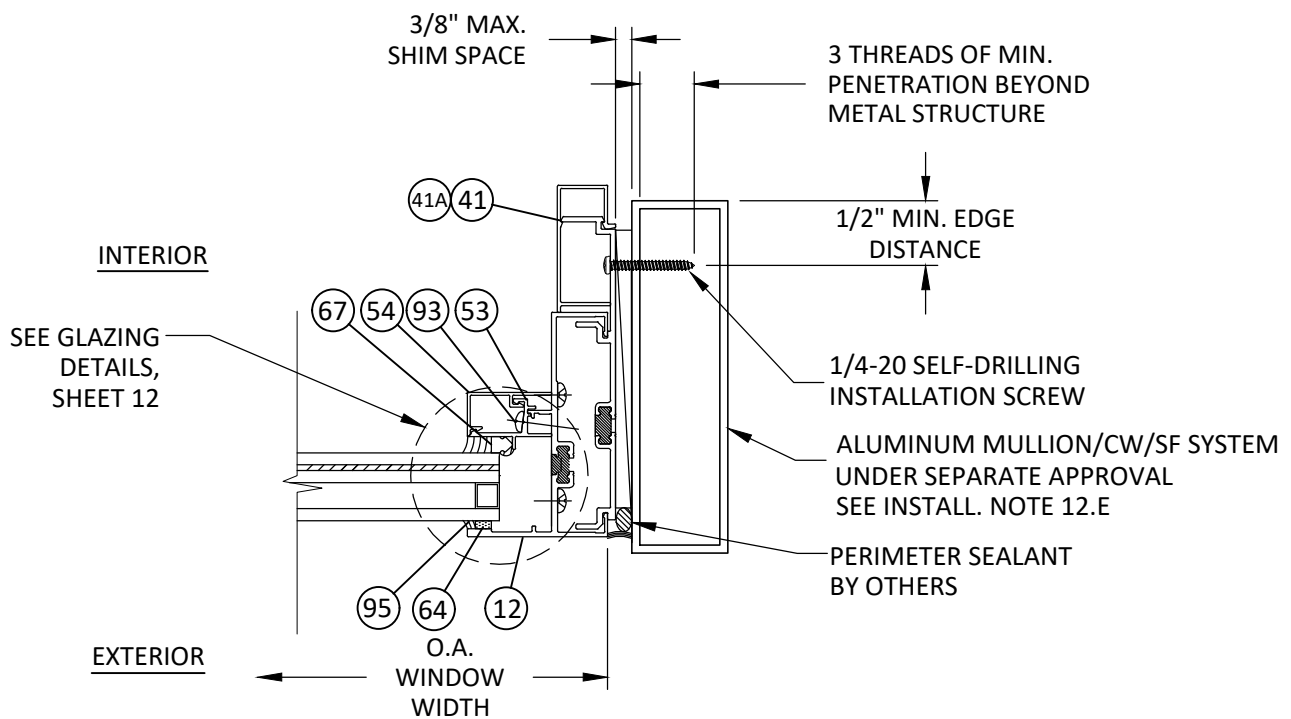


FL #:	FL16314
DATE:	05.15.18
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK154
SHEET:	6

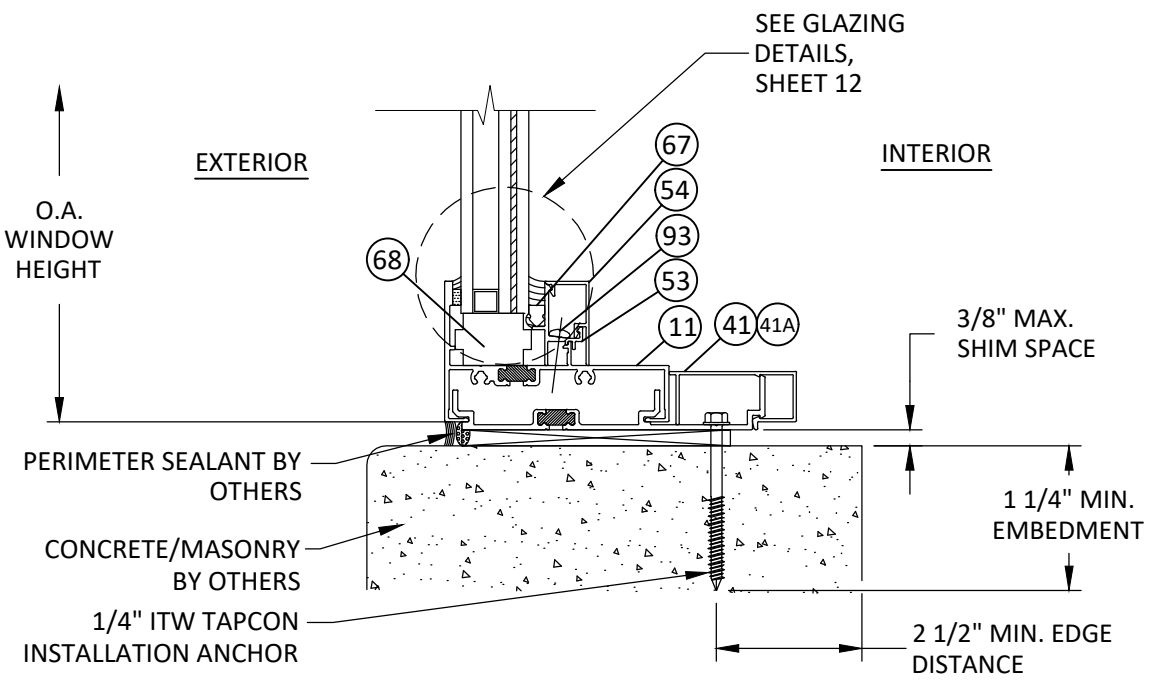
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**H
7** **VERTICAL SECTION**
FIXED HEAD - 2X WOOD FRAME
STRAP ANCHOR - TYP.



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



**G
7** **VERTICAL SECTION**
FIXED SILL - CONCRETE/MASONRY
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 350 THERMAL ALUMINUM FIXED WINDOW (WZ3) (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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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FL 00011718
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
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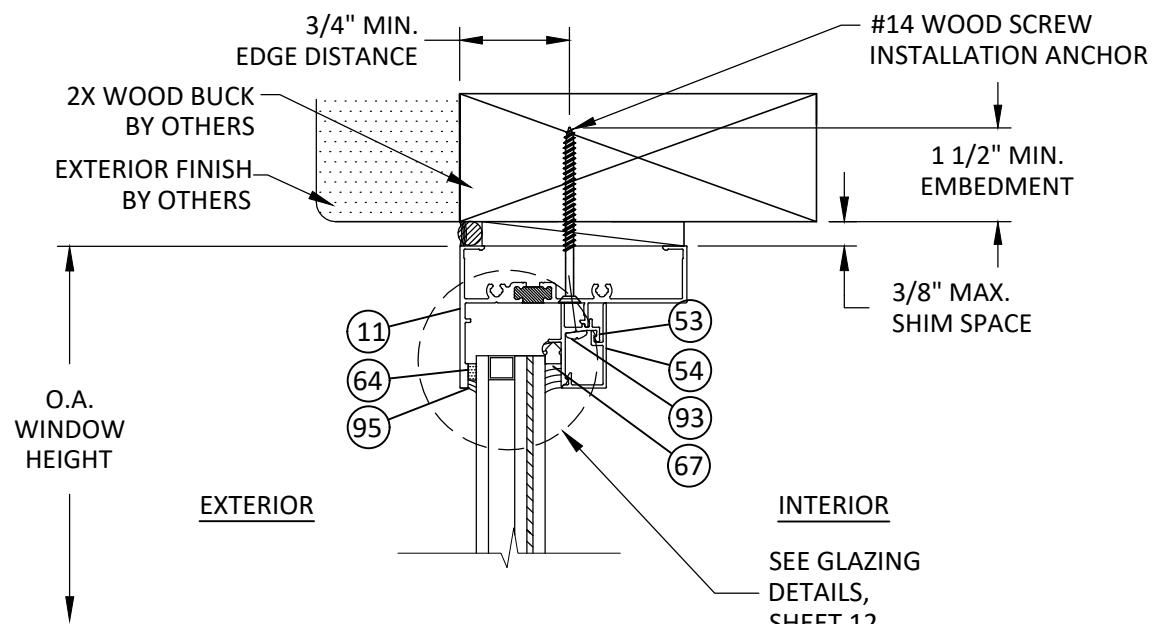
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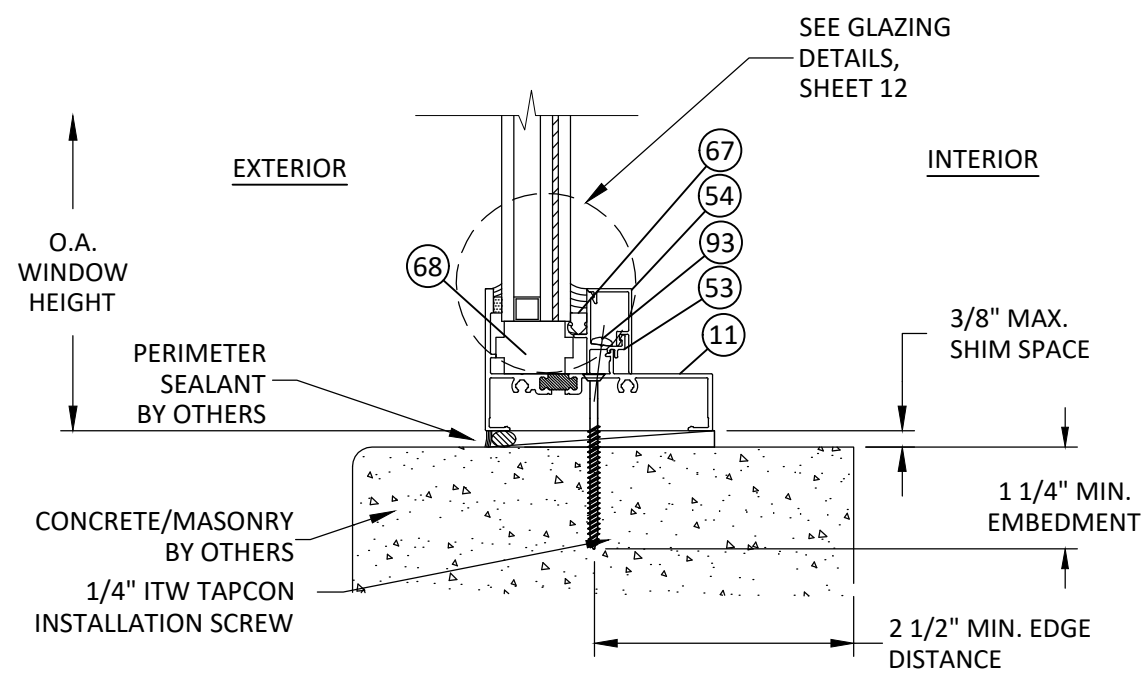
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OF 14

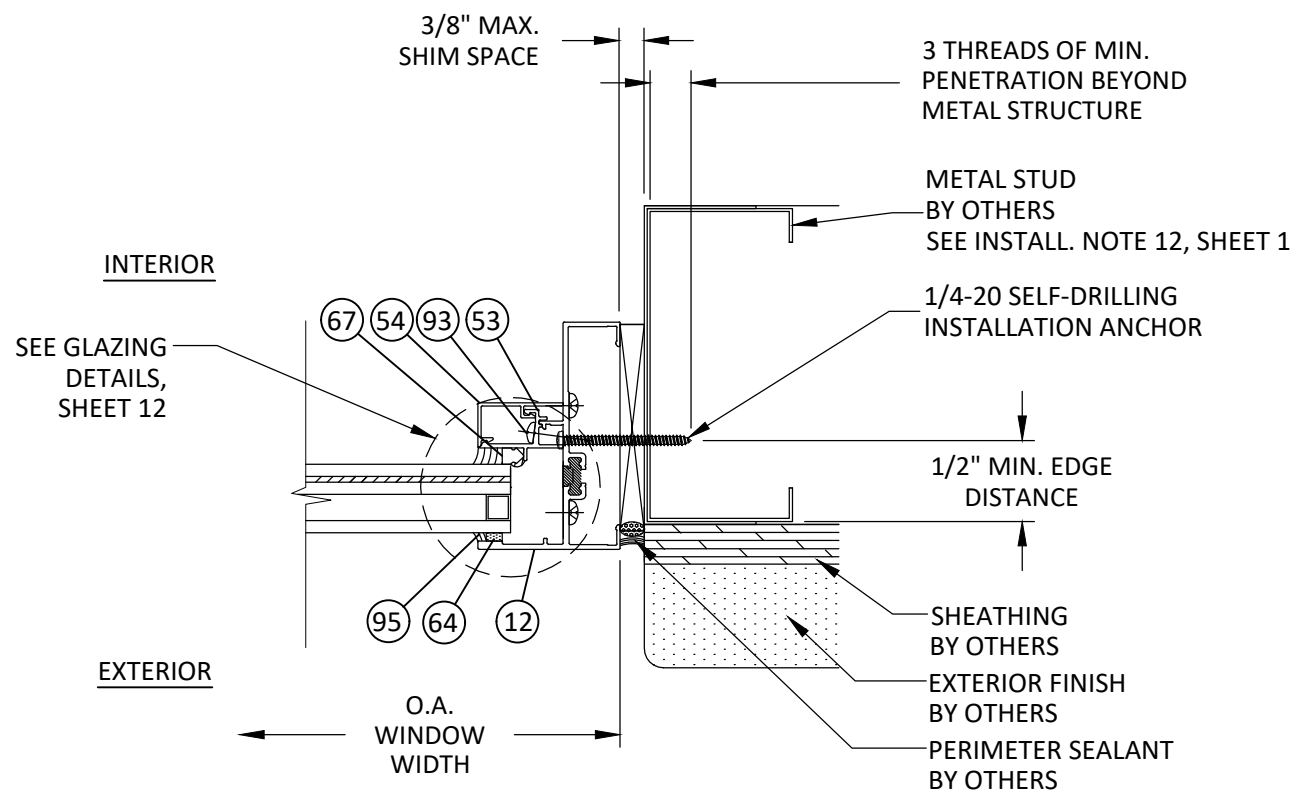
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K
8 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD BUCK
THROUGH FRAME- TYP.



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



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

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



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

TITLE: YOW 350 THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (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

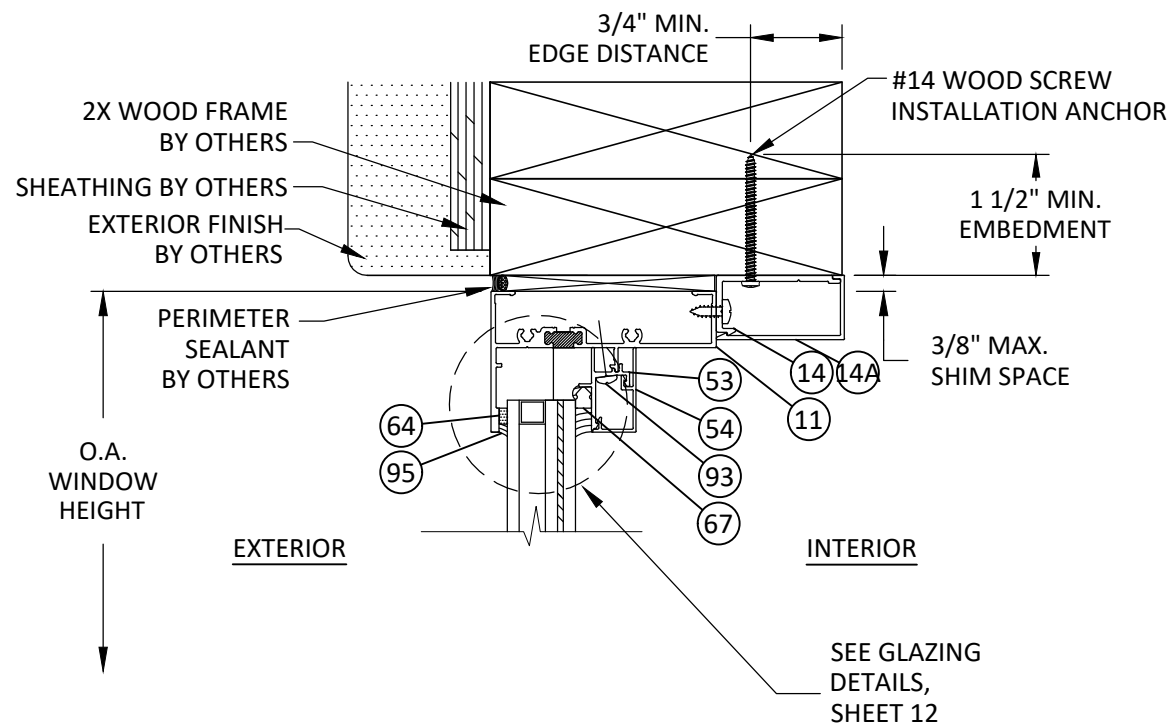
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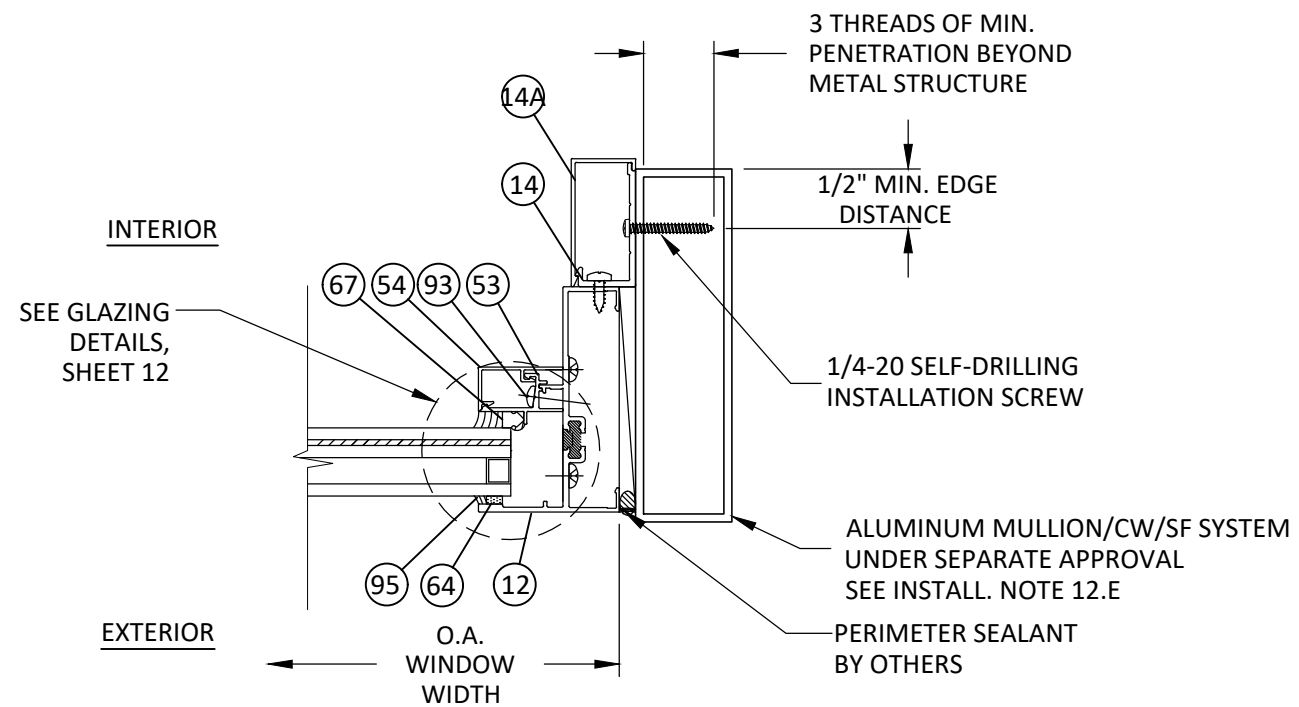
HERMES F. NORERO, P.E.
FLORIDA PROFESSIONAL ENGINEER
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL16314
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK154
SHEET:	8

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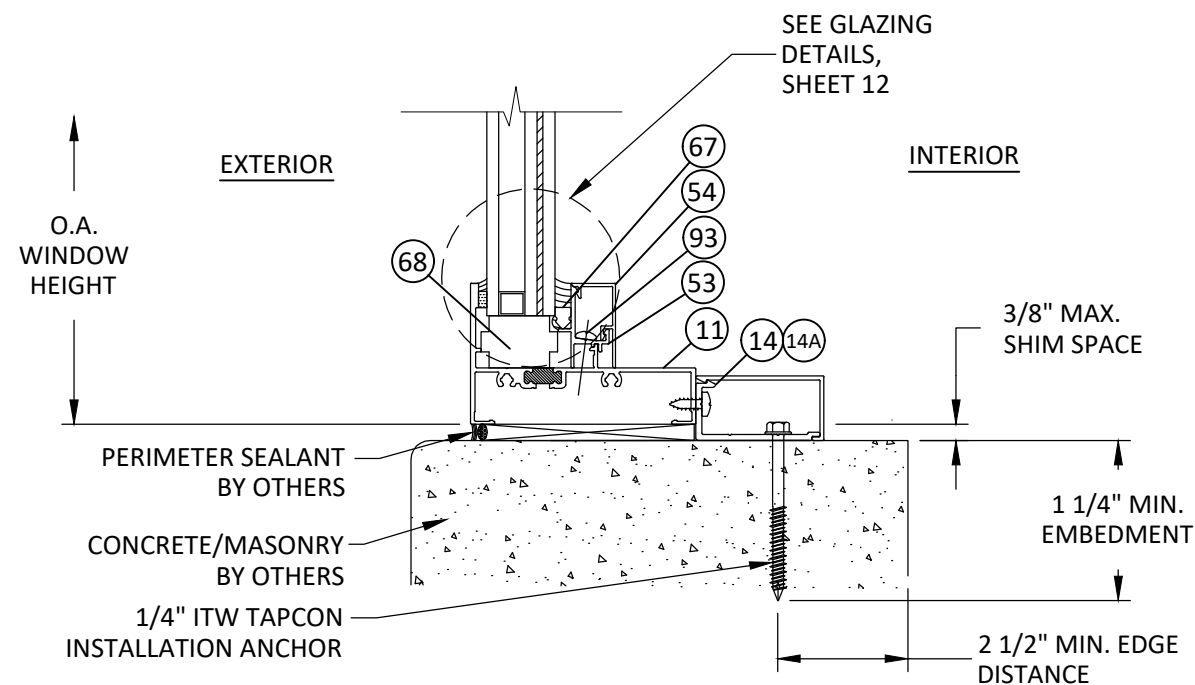


N
9 **VERTICAL SECTION**
FIXED HEAD - 2X WOOD FRAME
TRIM CLIP ANCHOR - TYP.

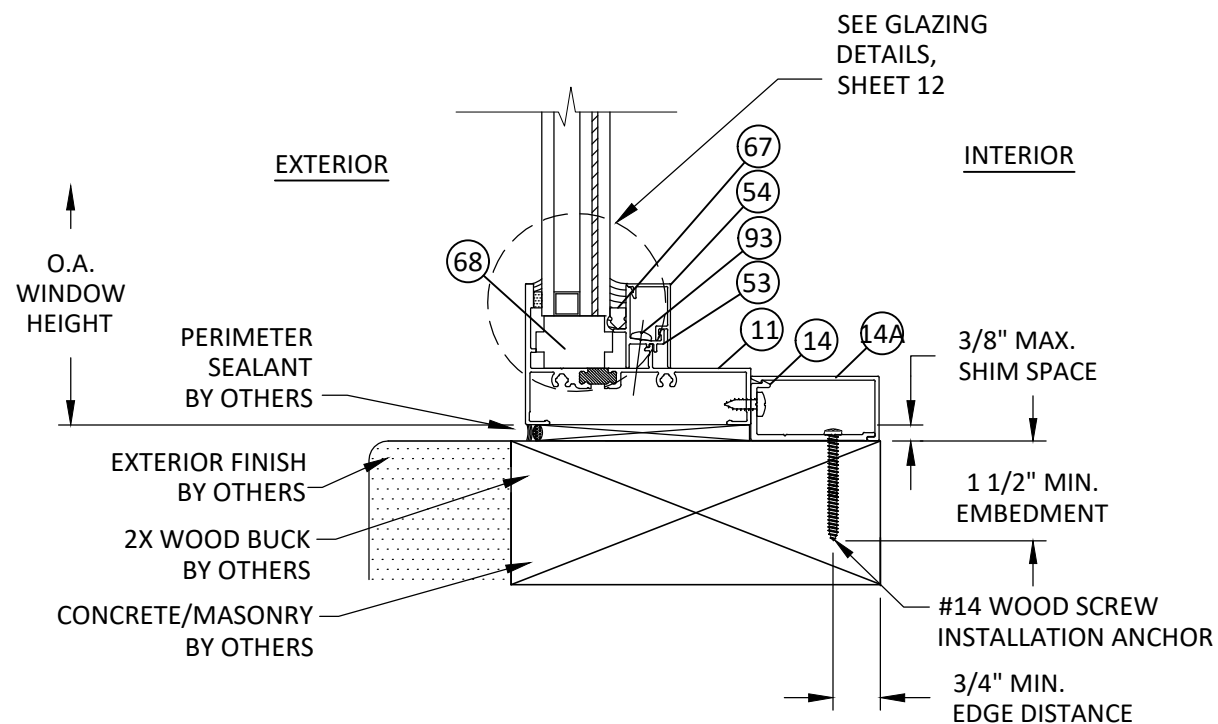


O
9 **HORIZONTAL SECTION**
FIXED JAMB - MULL TUBE FRAME
TRIM CLIP ANCHOR - TYP.

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



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.



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

TITLE: YOW 350 THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

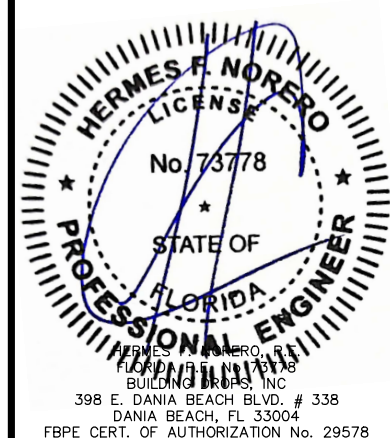
TRIM CLIP ANCHOR INSTALLATION

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



REMARKS	BY	DATE
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FL16314

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

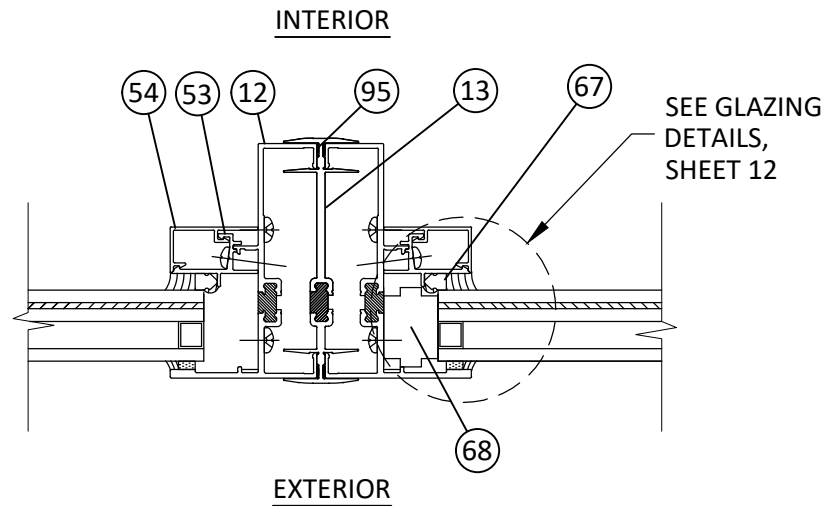
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DWG. #: **YKK154**

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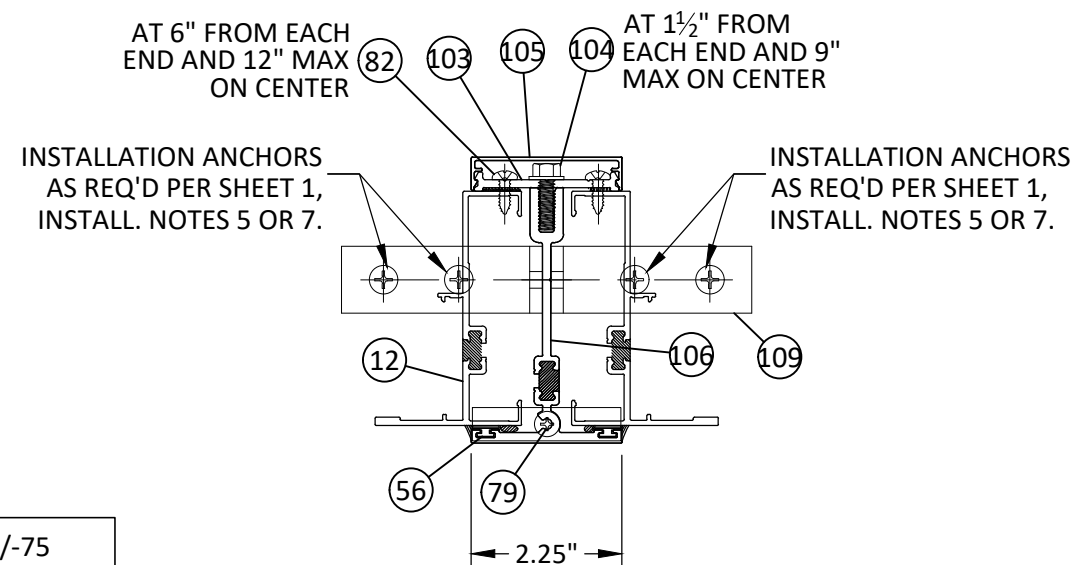
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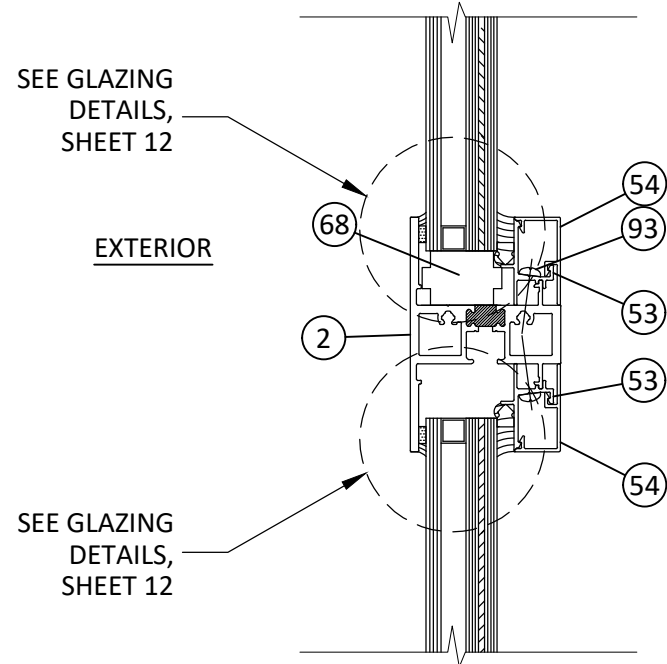


R10 **HORIZONTAL SECTION**
ZERO MULLION - TYP.
FIXED - FIXED

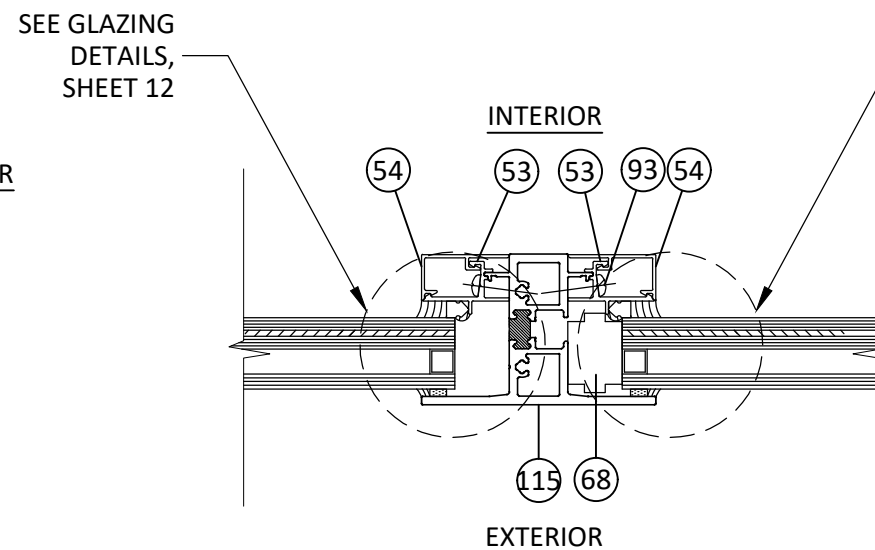
NOTE: ZERO MULLION FOR USE UP TO +65/-75
STACK MULLION FOR USE UP TO MAX. +75/-75. SEE
MULLION APPROVAL DRAWING YKK215 FOR
ALLOWABLE SIZES AND PRESSURES. ALTERNATE
SEPARATELY APPROVED MULLION MAY BE USED.



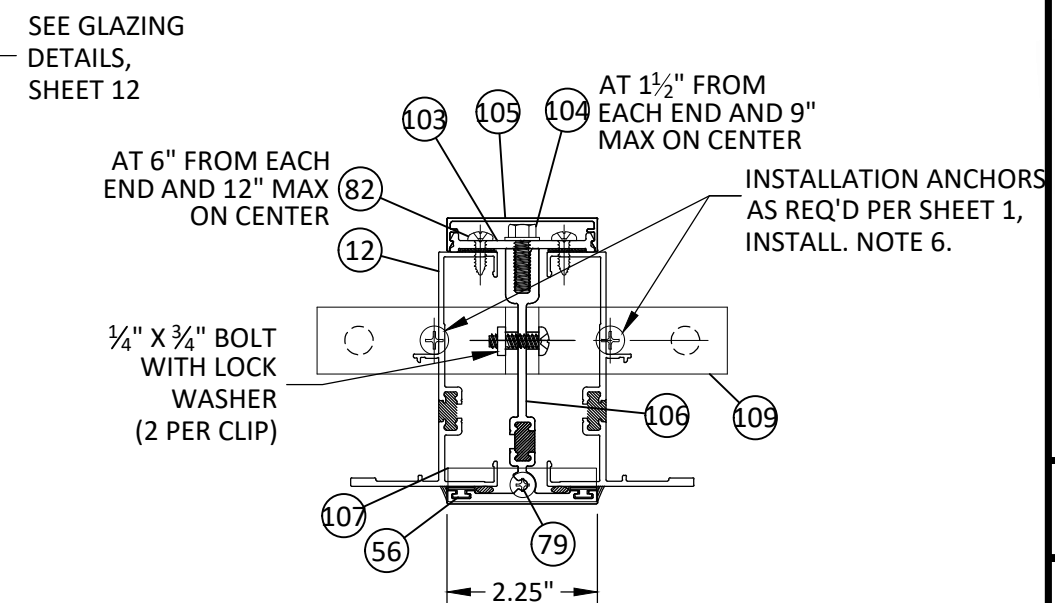
Z10 **HORIZONTAL SECTION**
STACK MULLION - TYP.
INSTALL TO WOOD/METAL FRAME



Q10 **VERTICAL SECTION**
INTEGRAL MULLION-TYP.
FIXED OVER FIXED



S10 **HORIZONTAL SECTION**
INTEGRAL MULLION - TYP.
FIXED - FIXED



ZZ10 **HORIZONTAL SECTION**
STACK MULLION - TYP.
INSTALL TO CONCRETE/MASONRY



YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
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TITLE: YOW 350 THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (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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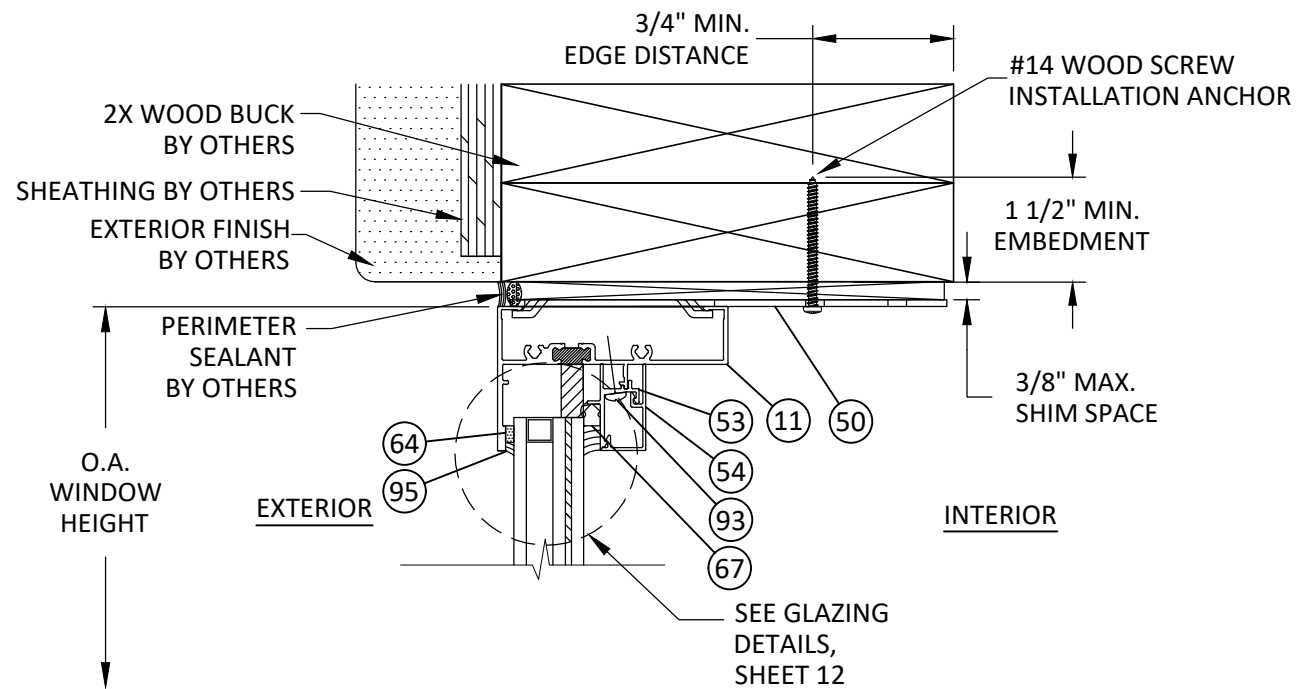
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DWG. #:	YKK154
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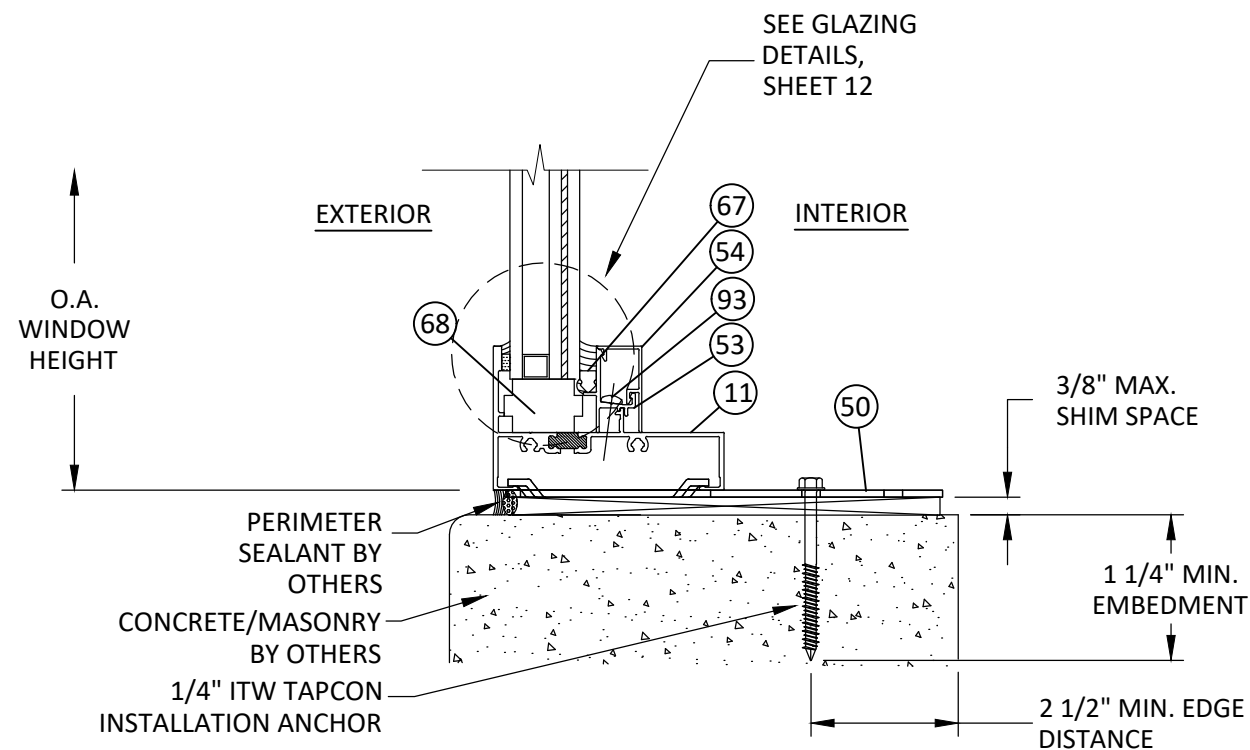


V
11

VERTICAL SECTION

FIXED HEAD - 2X WOOD FRAME

TWIST ANCHOR - TYP.

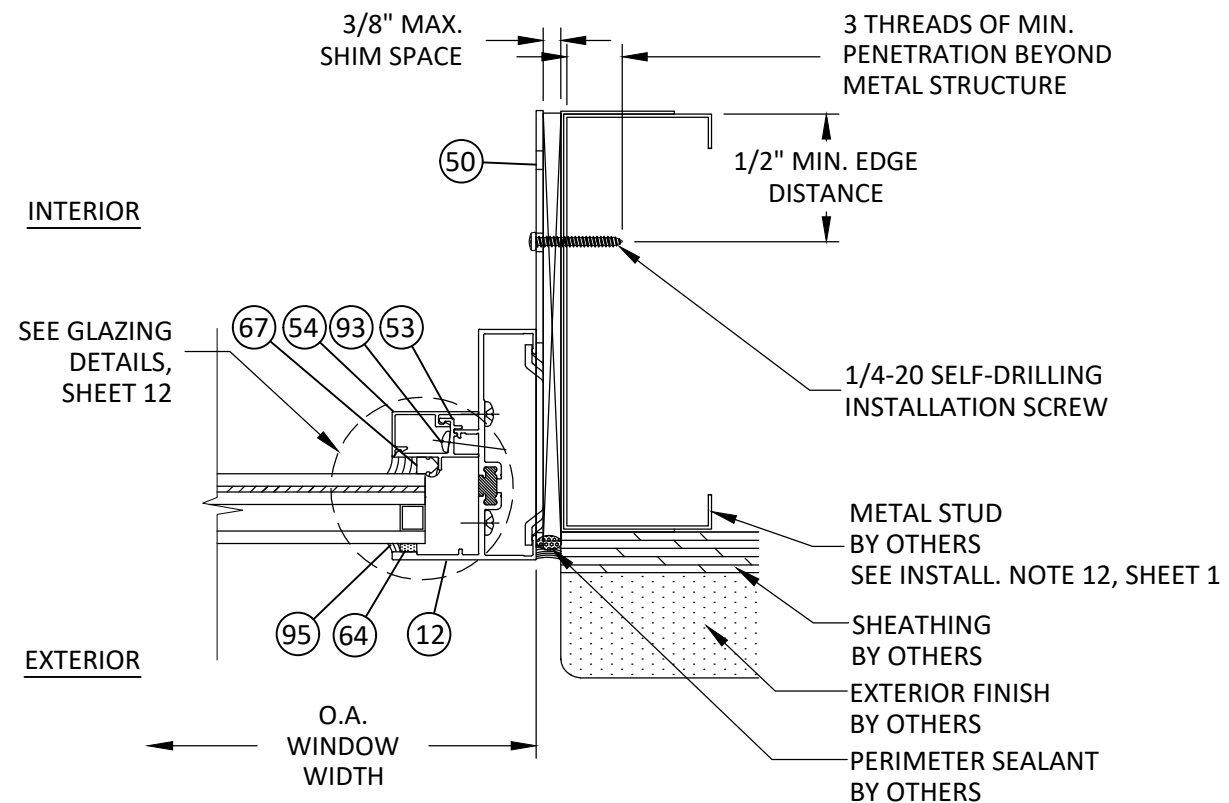


U
11

VERTICAL SECTION

FIXED SILL - CONCRETE/MASONRY

TWIST ANCHOR - TYP.



W
11

HORIZONTAL SECTION

FIXED JAMB - METAL STUD

TWIST ANCHOR - TYP.



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

TITLE: YOW 350 THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

TWIST ANCHOR
INSTALLATION DETAILS

PREPARED BY:
BUILDING DROPS, INC.

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PH: (954)399-8478
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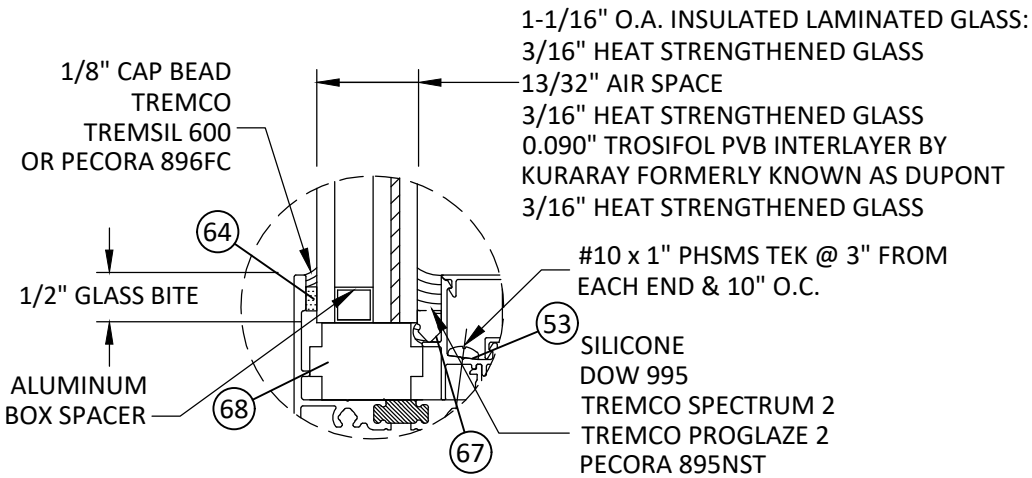
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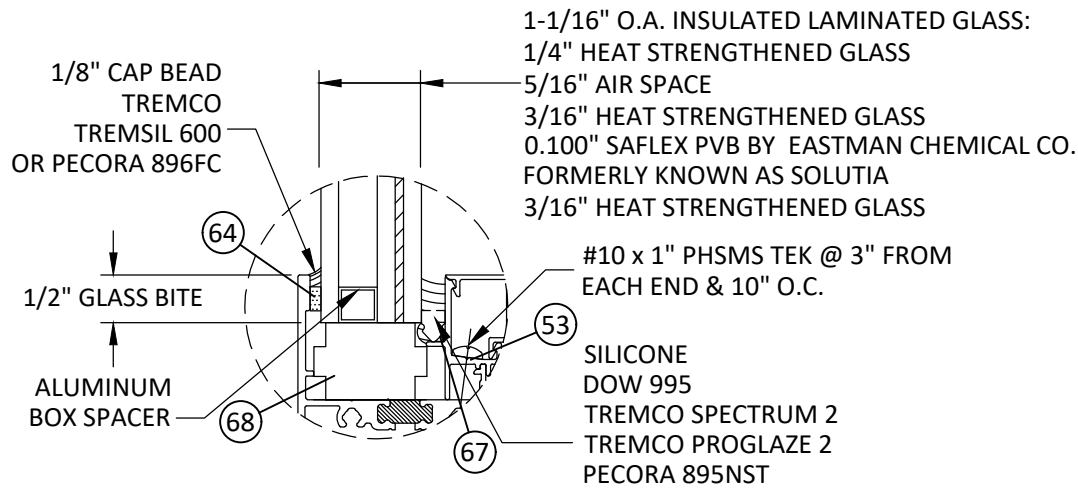


FL #:	FL16314
DATE:	05.15.18
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK154
SHEET:	11

LARGE MISSILE IMPACT RATED GLAZING OPTIONS, SEE DESIGN PRESSURE TABLES, SHEET 3



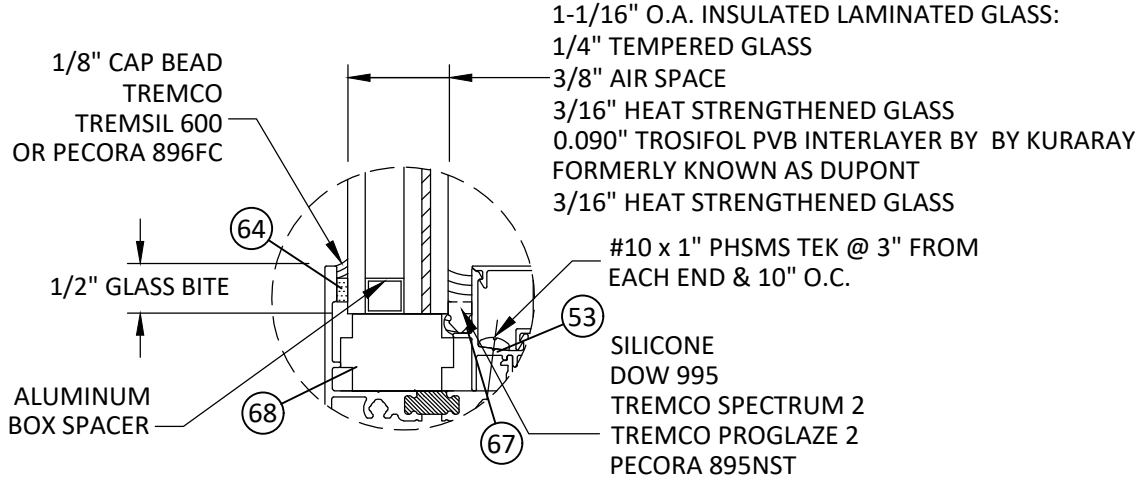
GLAZING DETAIL J



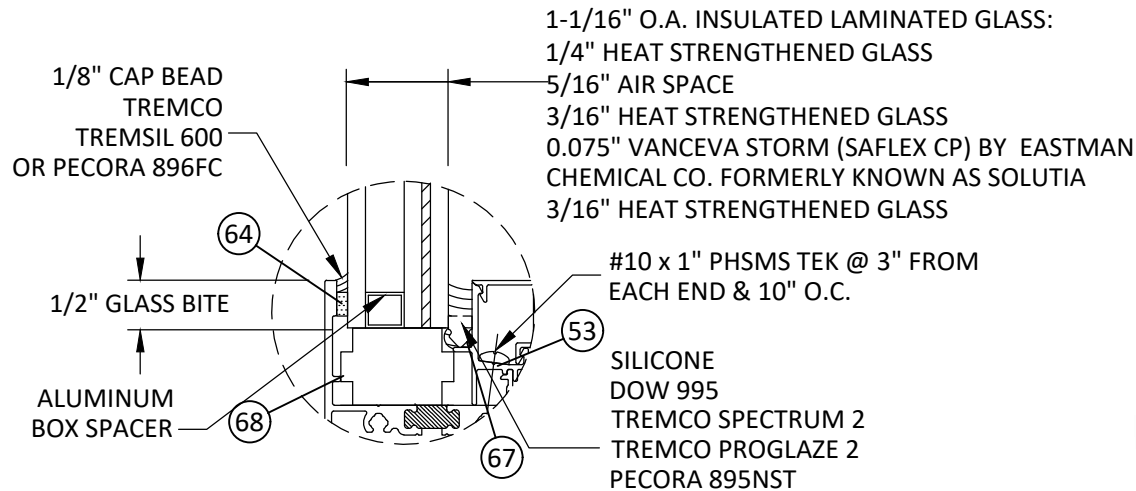
GLAZING DETAIL C

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

1/2" AIR SPACE CONSISTING OF :
- SPACER: ALUMINUM BOX SPACER.
- PRIMARY SEALANT: POLYISOBUTYLENE (PIB).
- SECONDARY SEALANT: STRUCTURAL SILICONE INTENDED FOR FABRICATION OF INSULATING GLASS UNITS.

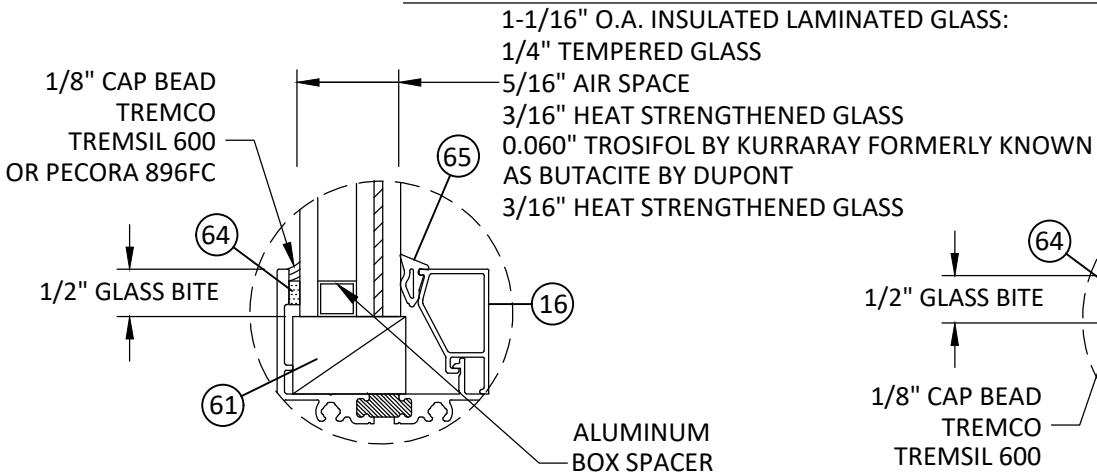


GLAZING DETAIL K

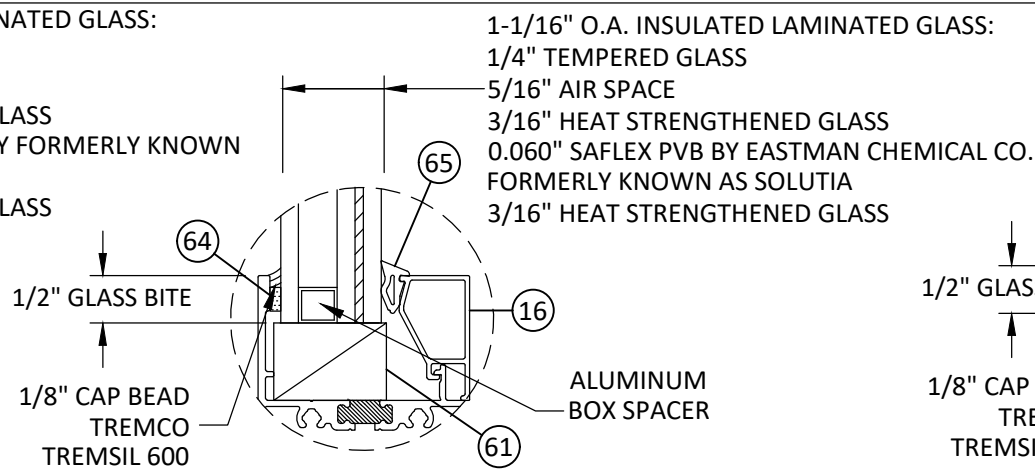


GLAZING DETAIL D

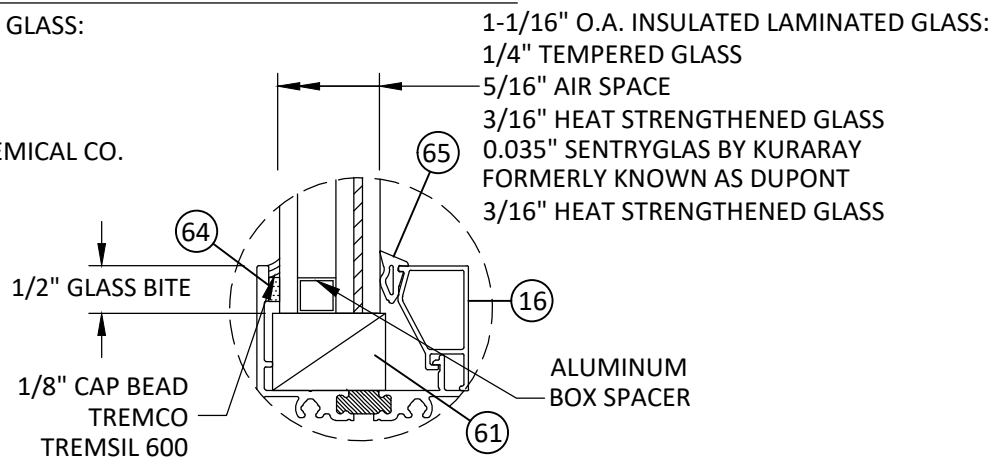
SMALL MISSILE IMPACT RATED GLAZING OPTIONS, SEE DESIGN PRESSURE TABLES, SHEET 3



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 350 TUI THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

GLAZING DETAILS

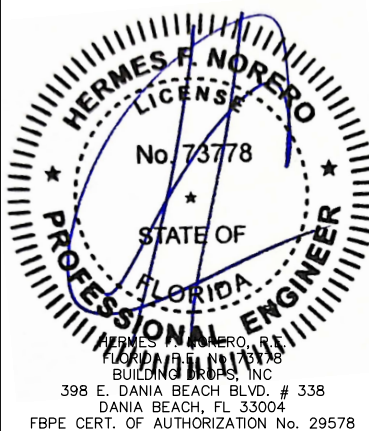
PREPARED BY: BUILDING DROPS, INC.

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



REMARKS	BY	DATE
WEEP HOLE REMOVAL	JA	05.15.18
SILL FLASHING UPDATE	HR	06.01.19
7TH FBC CODE CHANGE	MS	04.23.20
8TH FBC CODE CHANGE	SH	06.05.23

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YOW 350 TUH - BILL OF MATERIALS				
ITEM #	PART#	DESCRIPTION	MATERIAL	MANUFACTURER
2	BE9-4512	MULLION	6063-T5	YKK AP
7	BE9-4581	3 1/2" RECEPTOR	6063-T5	YKK AP
8	BE9-4584	3 1/2" WEEPING SILL FLASHING	6063-T5	YKK AP
11	BE9-5203	FRAME HEAD / SILL	6063-T5	YKK AP
12	BE9-5204	FRAME JAMB	6063-T5	YKK AP
13	BE9-5220	ZERO MULION	6063-T5	YKK AP
14	E9-4031	1" X 2" TRIM CLIP	6063-T5	YKK AP
14A	E9-4032	TRIM CLIP COVER 1' X 2"	6063-T5	YKK AP
16	E9-4507	GLASS STOP - WEDGE GASKET	6063-T5	YKK AP
19	E9-4578	RECEPTOR STOP	6063-T5	YKK AP
41	E1-1799	STRAP ANCHOR	6063-T5	YKK AP
41A	E9-8431	STRAP ANCHOR COVER	6063-T5	YKK AP
44	E1-1922	ANCHOR CLIP	6063-T5	YKK AP
44A	E9-4035	ANCHOR CLIP COVER	6063-T5	YKK AP
50	E1-1971	TWIST ANCHOR - 3 1/2" FRAMING	GALVINIZED STEEL	WILD BORE FABRICATORS OR EQUAL
53	E9-4524	FIXED GLASS STOP	6063-T5	YKK AP
54	E9-4525	FIXED GLASS STOP SNAP COVER	6063-T5	YKK AP
56	E2-0051	AT GASKET	SANTOPRENE	TREMCO OR EQUAL
59	E2-0625	AT GASKET	SANTOPRENE	TREMCO OR EQUAL
61	E2-0646PC	SETTING BLOCK x 4"LONG	EPDM PC	TREMCO OR EQUAL
64	E2-0670	BACKER TAPE	POLYURETHANE FOAM	TREMCO OR EQUAL
65	E2-0672	WEDGE GASKET	EPDM	TREMCO OR EQUAL
67	E2-0359	SPACER	EPDM	TREMCO OR EQUAL
68	E2-0362PC	SETTING BLOCK - WET GLAZING	EPDM PC	TREMCO OR EQUAL
79	FM1006-SS	#10-24 x 3/8" T/F	300 STAINLESS STEEL	FOR MULL END CAP
82	PC1008-SS	#10 x 1/2" SMS T/AB	300 STAINLESS STEEL	FOR ANCHORING TRIM CLIP
83	PC1016-SS	#10 x 1" SMS T/AB	300 STAINLESS STEEL	FOR FRAME ASSEMBLY
84	PC1020-SS	#10 x 1 1/4" SMS T/AB	300 STAINLESS STEEL	FOR FRAME TO MULLION ASSEMBLY
85	PC1040-SS	#10X 2 1/2" SMS T/AB	300 STAINLESS STEEL	RECEPTOR ANCHOR
93	PS-1016-SS	#10X 1" PH SMS SS SELF DRILLING	410 SS	
95	TREMSIL 600 OR PECORA 896FC	SILICONE		TREMCO OR EQUAL
98	BE9-4560	MULLION	6063-T5	YKK
103	AS-4428	PRESSURE PLATE	6063-T5	YKK
104	HM-2516-W3-SS	1/4" - 20 X 1" HWHMS	300 STAINLESS STEEL	FOR PRESSURE PLATE
105	E9-5111	SNAP COVER	6063-T5	YKK
106	BE9-4925	STACK MULLION	6063-T5	YKK
107	E1-1536	END CAP	6063-T5	YKK
108	PC-1208-SS	#12 X 1/2" PH SMS SS AB	300 STAINLESS STEEL	FOR MULL CLIP
109	E1-1537	MULL CLIP	6063-T5	YKK
110	E9-4559	SILL TRIM BASE	6063-T6	-
111	E9-4586	3" SILL TRIM	6063-T5	-
112	E9-4587	4" SILL TRIM	6063-T5	-
113	E1-2004	END DAM	-	-
114	E2-0769	JAMB BLOCK	-	-
115	BE9-4561	MULLION	6063-T5	YKK AP

NOTE: COMPONENTS & PART NUMBERS LISTED IN B.O.M. AND SHOWN ON SHEET 14 ARE USED THROUGHOUT YKK YOW 350 TUH WINDOW SERIES OF FIXED, CASEMENT, AND PROJECT OUT/IN PRODUCTS, NOT ALL COMPONENTS LISTED ARE USED IN FIXED WINDOW.



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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 350 TUH THERMAL
ALUMINUM FIXED WINDOW
(WZ3) (IMPACT)

BILL OF MATERIALS

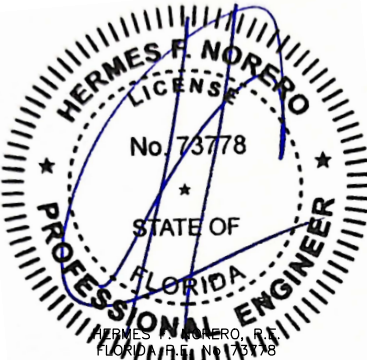
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BUILDING DROPS

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA LICENSE # 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**

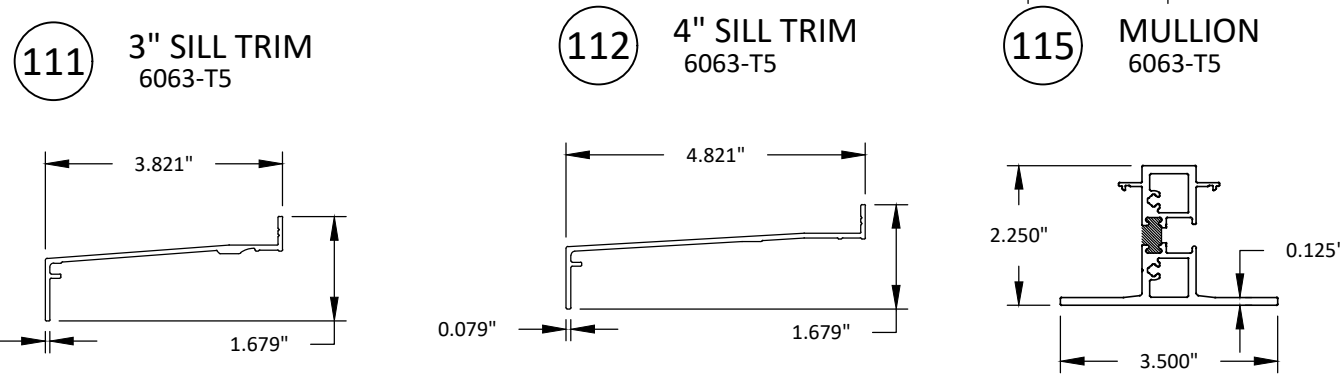
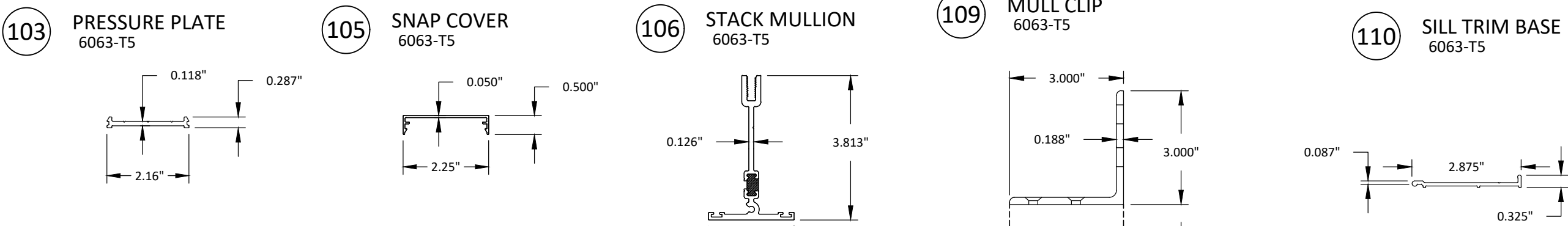
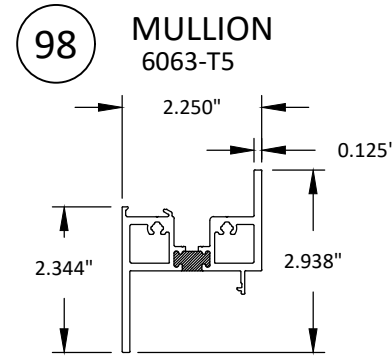
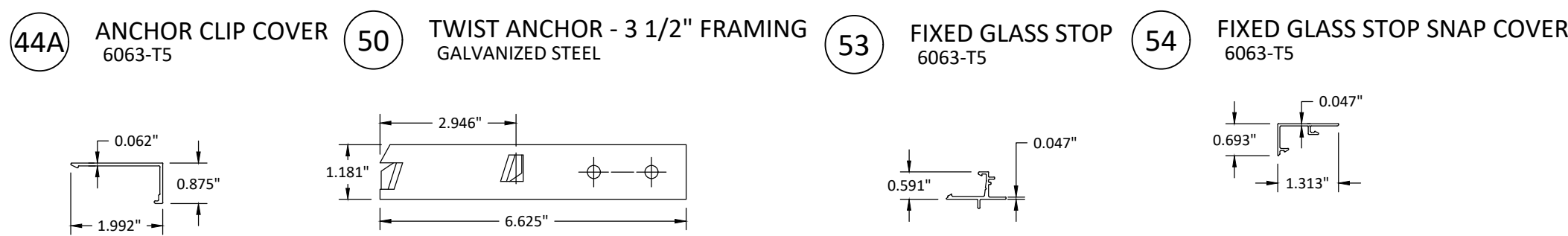
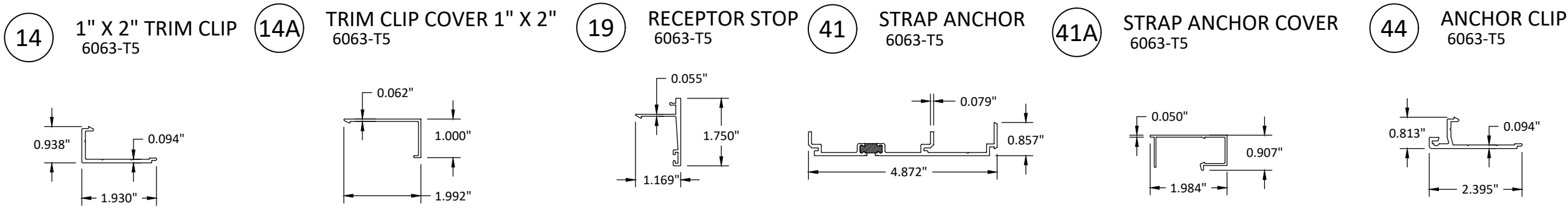
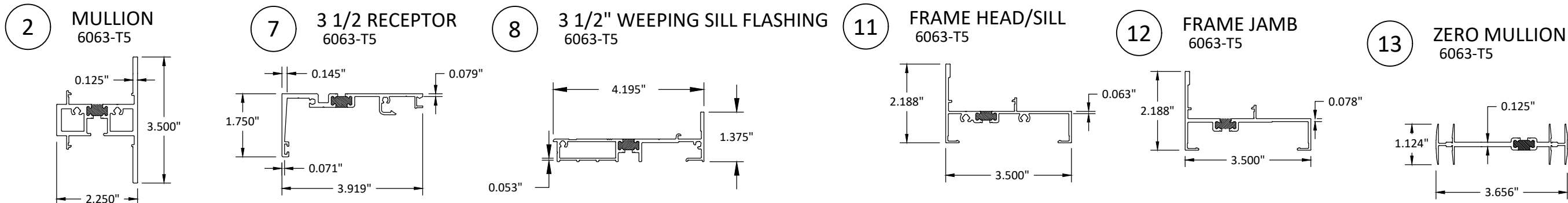
SCALE: **NTS**

DWG. #: **YKK154**

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TITLE: YOW 350 TUH THERMAL ALUMINUM FIXED WINDOW (WZ3) (IMPACT)

COMPONENTS

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