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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.
- 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 H NON-THERMAL ALUMINUM

PROJECT OUT 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

ASTM E283-04(12)

ASTM E330-14

ASTM E331-00(09)

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.
9. GLAZING SELECTION SHALL MEET SAFETY GLAZING REQUIREMENTS PER CHAPTER 24 OF CURRENT FBC.
10. GLASS SHALL BE SET WITH THE USE OF SETTING BLOCKS IN ACCORDANCE WITH CHAPTER 24 OF THE CURRENT FLORIDA BUILDING CODE.
11. GLAZING GASKETS SHALL MEET THE MINIMUM PERFORMANCE REQUIREMENTS AS APPLICABLE IN CHAPTER 24 OF THE CURRENT FLORIDA BUILDING CODE.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATIONS & QUALIFIED CONFIGURATIONS
3	ANCHOR LAYOUTS & HARDWARE SCHEDULE
4	RECEPTOR INSTALLATION DETAILS
5	CLIP INSTALLATION DETAILS
6	STRAP INSTALLATION DETAILS
7	THROUGH FRAME INSTALLATION DETAILS
8	TRIM CLIP INSTALLATION DETAILS
9	INTEGRAL & STACK MULL DETAILS
10	GLAZING DETAILS
11	BILL OF MATERIALS
12	COMPONENTS 1
13	COMPONENTS 2

PROJECT OUT DESIGN PRESSURE TABLE		
GLAZING TYPES	MAX. DP	IMPACT RATING
A, B, C	+65/-65 PSF	LMI & SMI
D, E	+65/-65 PSF	SMI

- NOTE:
1. LMI - LARGE MISSILE IMPACT RATED
2. SMI - SMALL MISSILE IMPACT RATED
3. SEE SHEET 10 FOR GLAZING DETAILS
4. REFER TO HARDWARE SCHEDULE SHEET 3.

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YOW 225 H NON-THERMAL ALUMINUM
PROJECT OUT WINDOW
(HVHZ) (IMPACT)

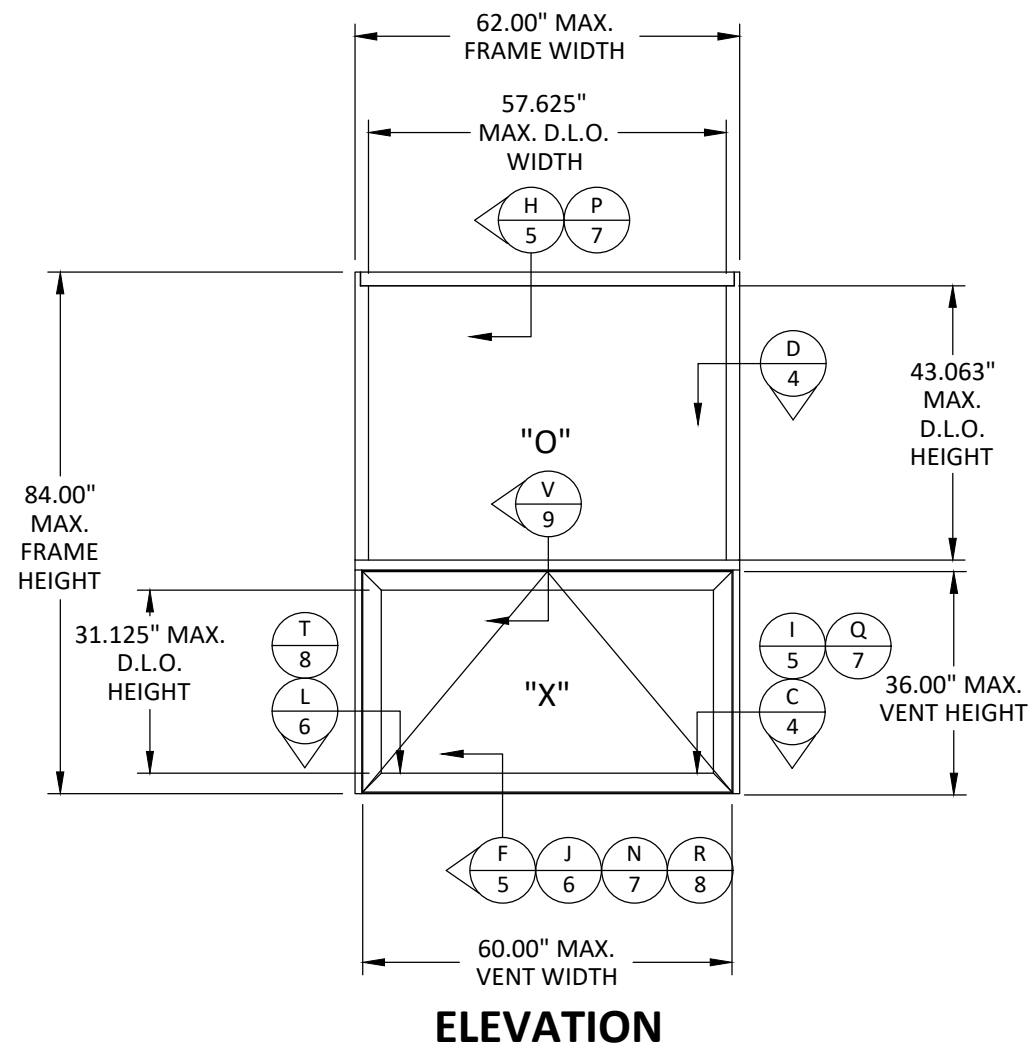
INSTALLATION & GENERAL NOTES

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BD

BUILDING DROPS

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SILL FLASHING UPDATED	HR	05.21.19
7TH FBC CODE CHANGE	MS	04.16.20
8TH FBC CODE CHANGE	SH	06.01.23
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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 #:		
FL16313		
DATE: 9.17.18		
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HR	HFN	
SCALE: NTS		
DWG. #: YKK119		
SHEET:		
1		
OF 13		



QUALIFIED CONFIGURATIONS

NOTE: UNITS MAY UTILIZE INTEGRAL MULLS FOR FIXED OVER PROJECT OUT, PROJECT OUT OVER FIXED, OR PROJECT OUT OVER PROJECT OUT CONFIGURATIONS. ADDITIONALLY, ALTERNATE WINDOW TYPES MAY BE MULLED WITH APPROVED WINDOWS. MAX. AREA SHALL NOT BE EXCEEDED AS SHOWN HEREIN.

NOTE: UNITS MAY BE MULLED SIDE BY SIDE IN COMBINATIONS OF PROJECT OUT/FIXED, PROJECT OUT/PROJECT OUT, AND/OR OTHER APPROVED WINDOW TYPES (SEE APPROVED INSTALLATION INSTRUCTIONS). MULLS SHALL BE AS SHOWN HEREIN OR APPROVED UNDER SEPARATE APPROVAL. FIXED WINDOWS AND OTHER ALTERNATE WINDOW TYPES UNDER SEPARATE APPROVAL.

NOTE: MAX. SIZE VARIES BASED ON TOTAL AREA.

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



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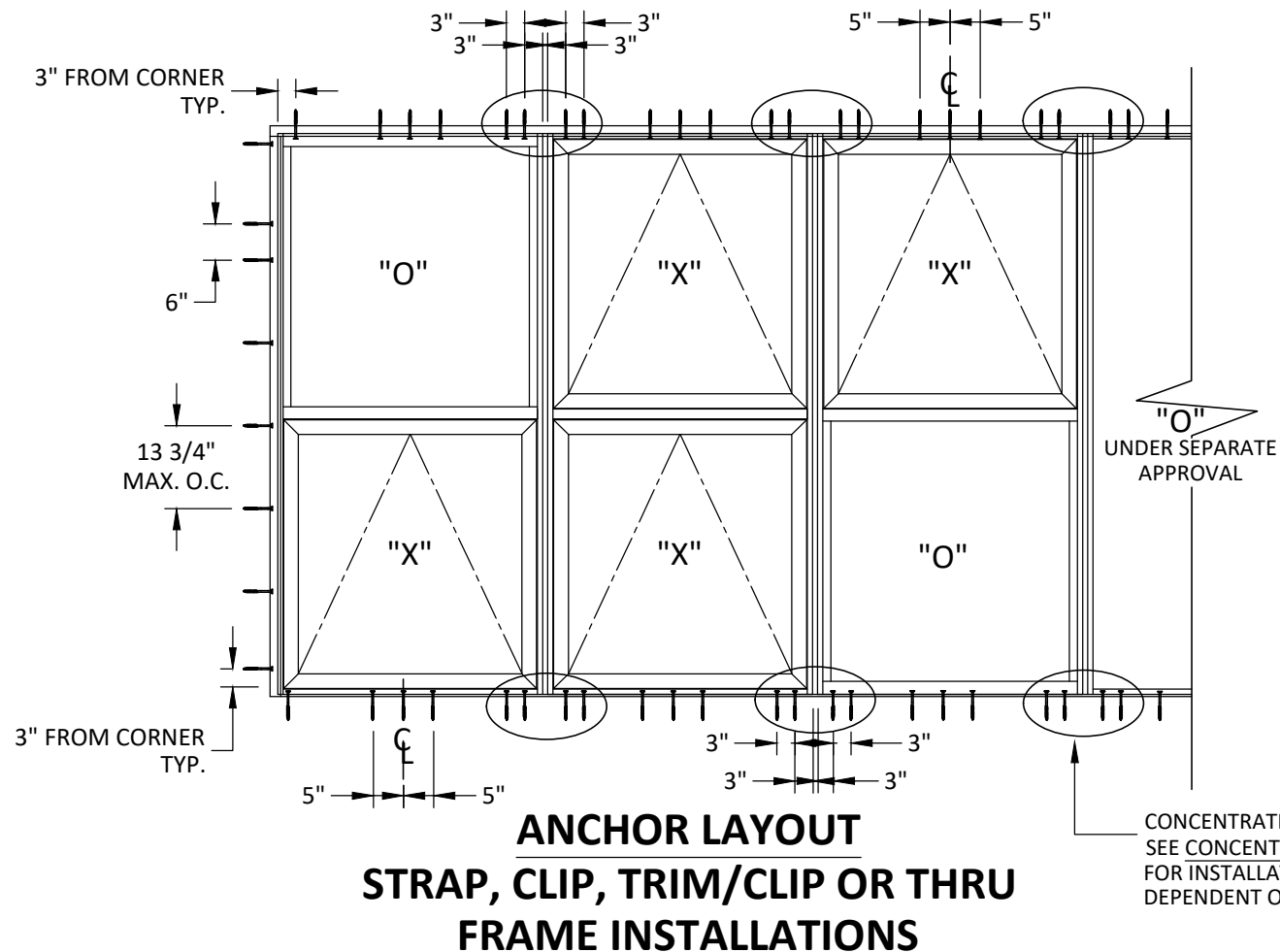
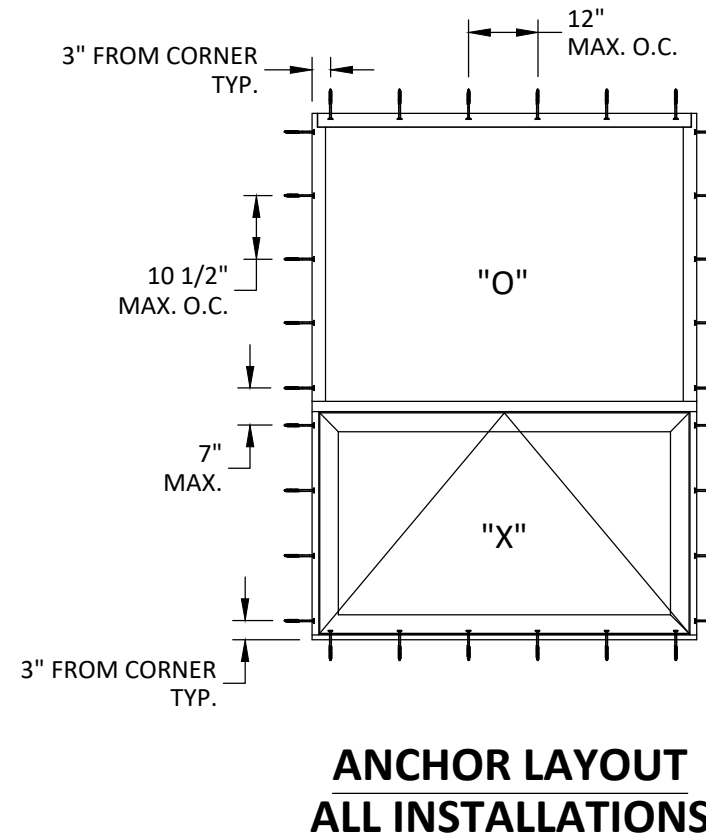
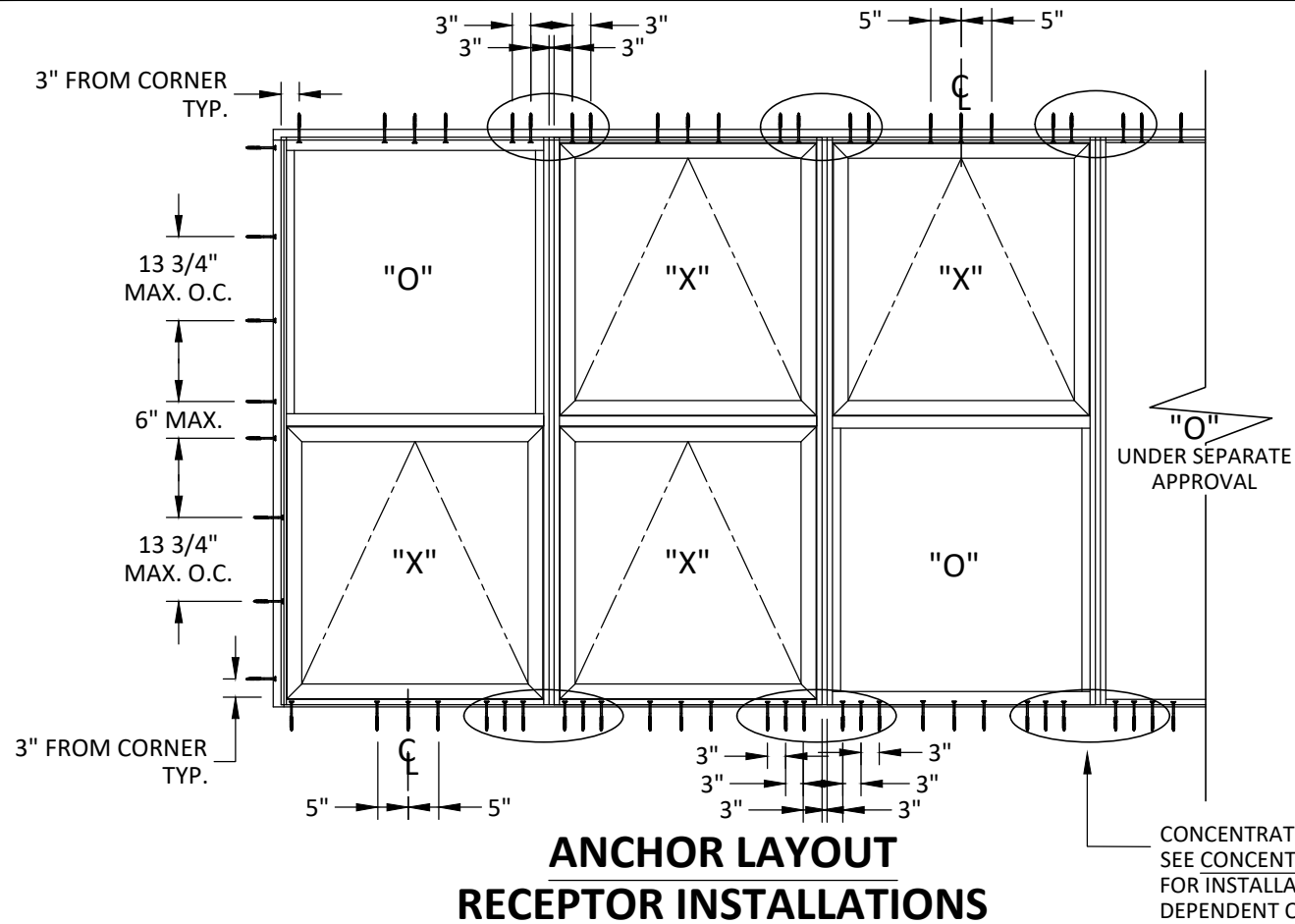
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CONCENTRATED ANCHOR TABLE		
DESIGN PRESSURE (+/- PSF)	MIN. QTY REQUIRED AT EA. END OF STACK MULL*	MIN. QTY REQUIRED AT SILL OF STACK MULL FOR RECEPTOR INSTALLATION**
40	2	4
65	4	6
80	4	8

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.

HARDWARE SCHEDULE				
HARDWARE TYPE	OPTION#	DESCRIPTION	MAX. VENT SIZE	MAX. DESIGN PRESSURE
LOCK OPTIONS	1	BRONZECRAFT CAM HANDLES (E1-1541/1542) AT LOCK STILE OF VENT, 8" FROM EA. END SECURED WITH (2) #10 X 1/2" FH SM. BRONZECRAFT KEEPERS (E1-1519) SECURED WITH (2) #10 X 1/2" FH SMS	60" X 36"	+65/-65 PSF
	1	16" 4-BAR HINGES (5K-15284), TWO PER VENT. SECURED WITH (3) #10 X 3/8" PH SMS. HINGE BASE (E1-1782) SECURED WITH (3) #10 X 3/4" FH SMS. SEE NOTE BELOW FOR SNUBBER REQUIREMENTS.	60" X 36"	+65/-65 PSF
	2	16" 4-BAR HINGES (5K-15284) TWO PER VENT. SECURED WITH (3) #10 X 3/8" PH SMS. HINGE BASE (E1-1782) SECURED WITH (3) #10 X 3/4" FH SMS. VENT HEAD SHALL UTILIZE (2) SNUBBERS (E3-1103), 11 1/2" FROM CORNERS.	60" X 36"	+65/-65 PSF
HINGE OPTIONS	3	22" 4-BAR HINGES (4K-14209), TWO PER VENT. SECURED WITH (3) #10 X 3/8" PH SMS. HINGE BASE (E1-1782) SECURED WITH (3) #10 X 3/4" FH SMS. VENT HEAD SHALL UTILIZE (2) SNUBBERS (E3-1103), 11 1/2" FROM CORNERS.	60" X 36"	+65/-65 PSF

NOTE:
1. HINGE OPTION #1 REQUIRES THE USE OF TWO (2) SNUBBERS (E3-1103), 11 1/2" FROM CORNERS, WHEN UTILIZED WITH GLAZING OPTIONS J OR K.



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TITLE:
YOW 225 H NON-THERMAL ALUMINUM
PROJECT OUT WINDOW
(HVHZ) (IMPACT)
ANCHOR LAYOUTS &
HARDWARE SCHEDULE

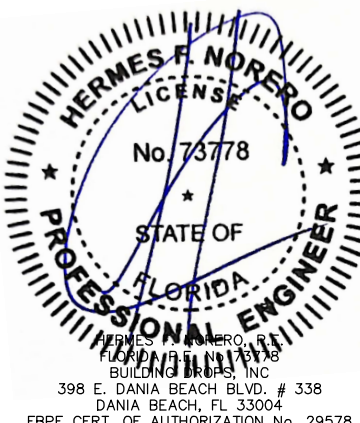
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LICENSE
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398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

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FL16313

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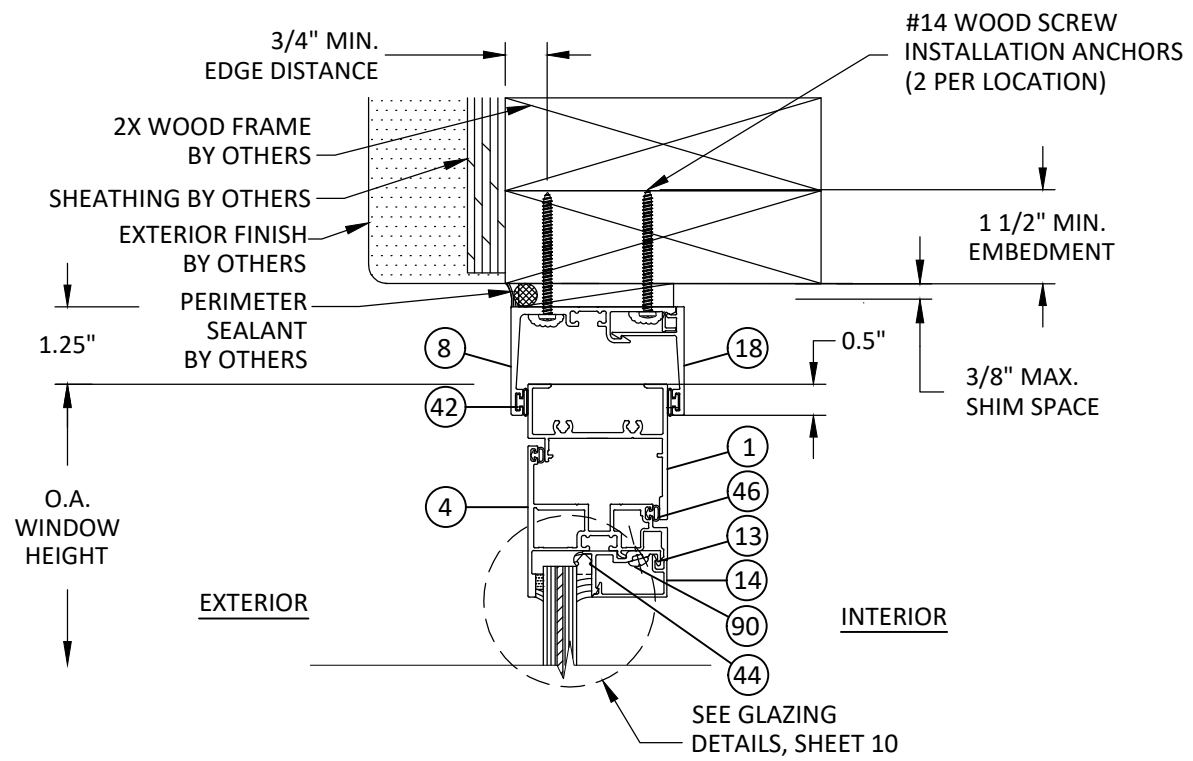
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HFN

SCALE:
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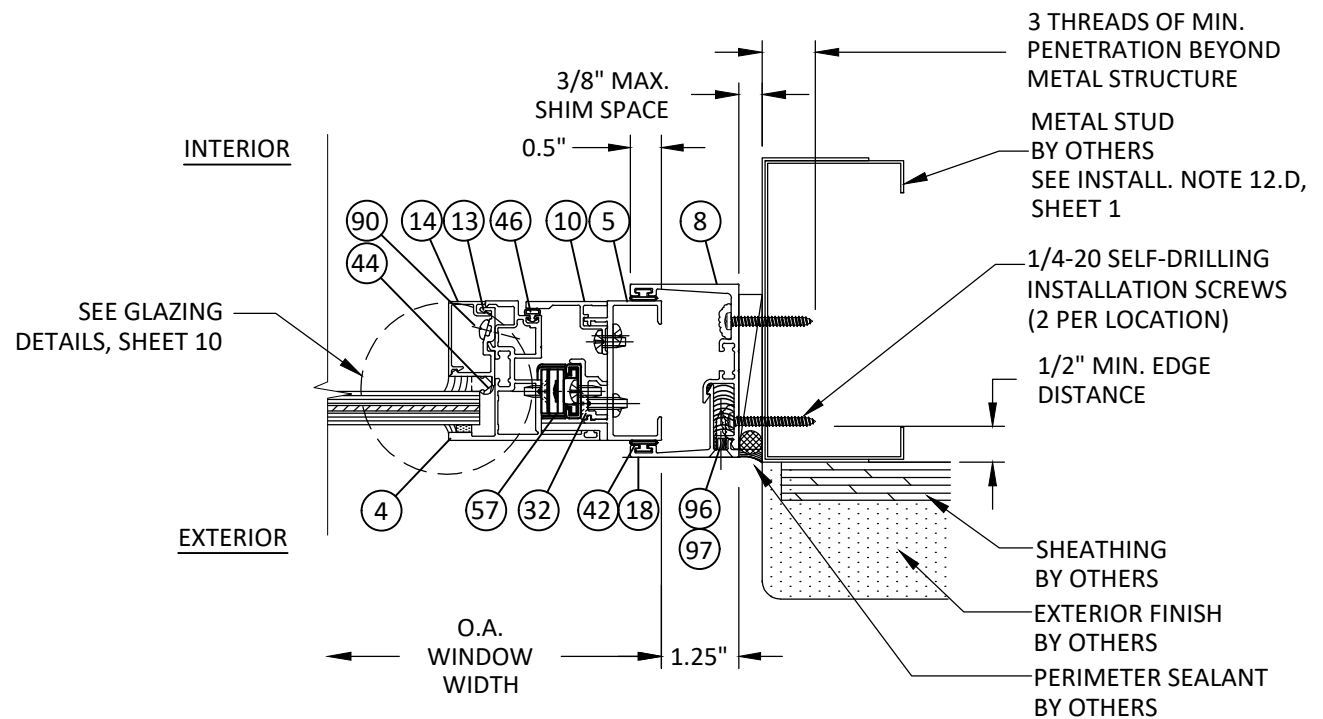
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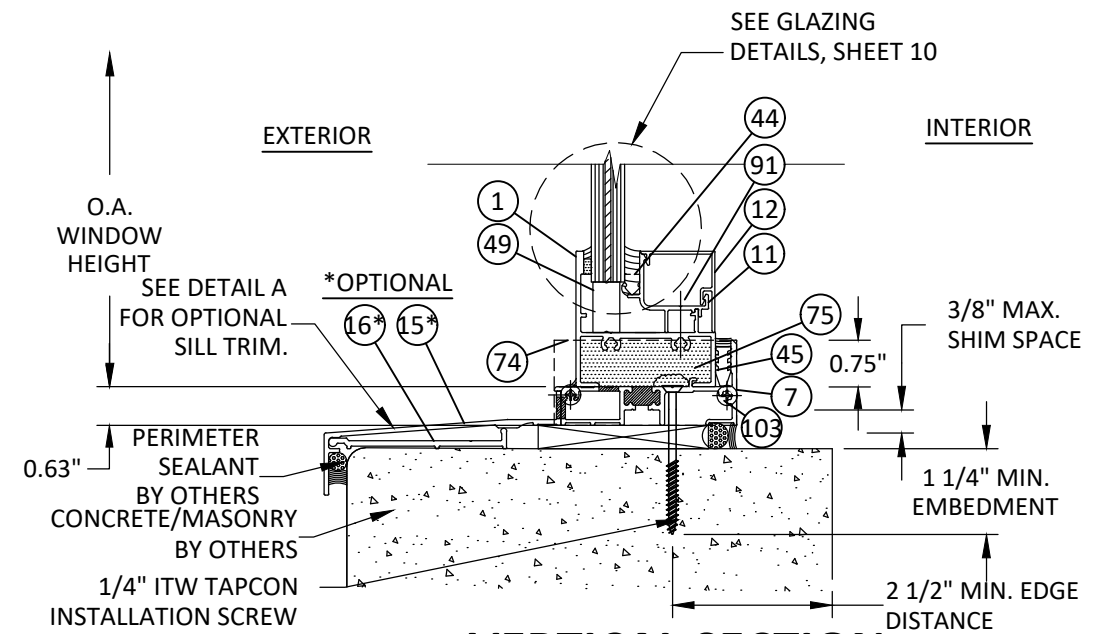


B
4 **VERTICAL SECTION**
VENT HEAD - 2X WOOD FRAME
INT. SET RECEPTOR - TYP.

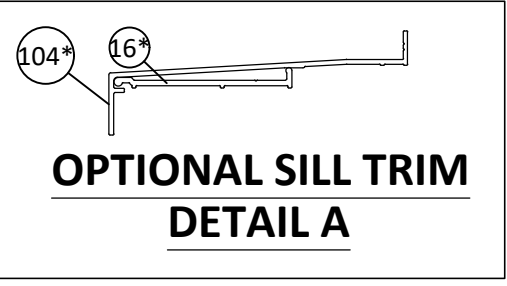


C
4 **HORIZONTAL SECTION**
VENT JAMB - METAL STUD FRAME
EXT. SET RECEPTOR - TYP.

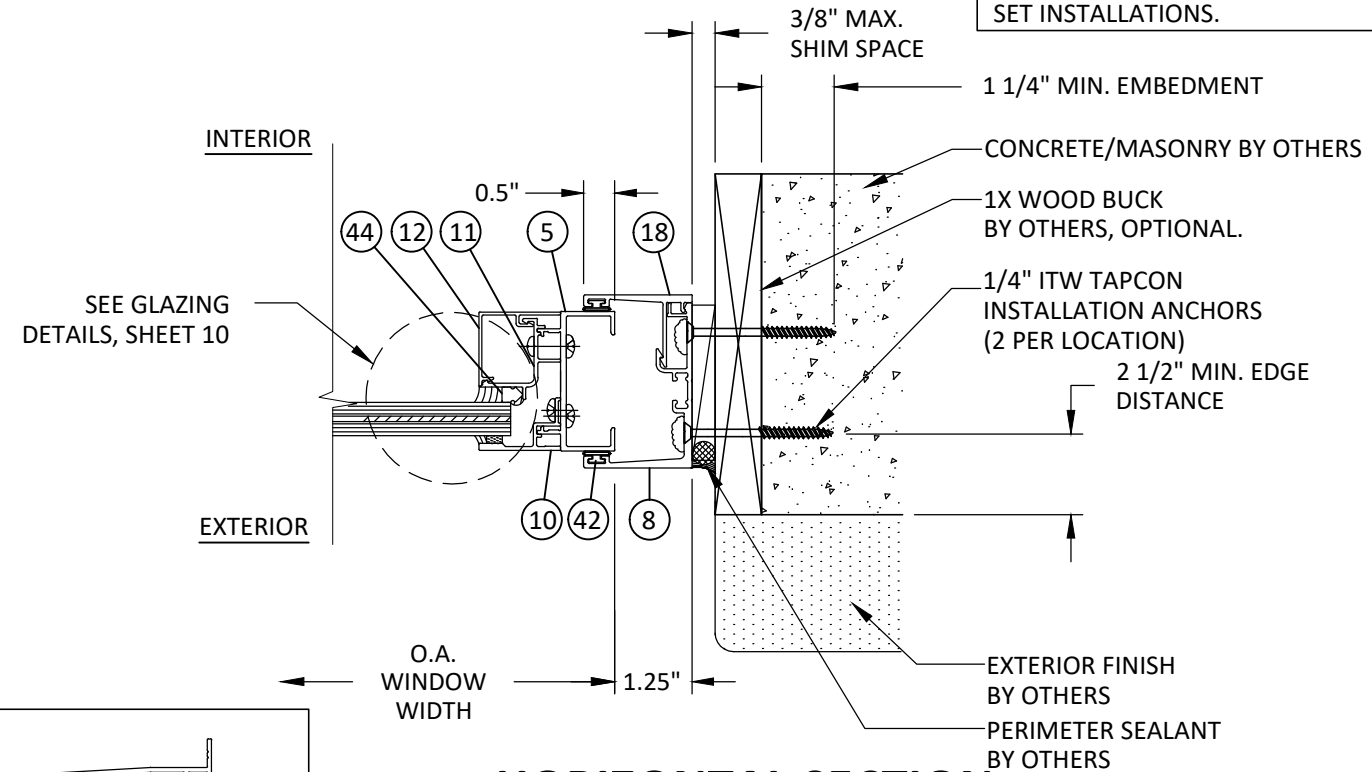
NOTE: UNITS MAY BE INTERIOR OR EXTERIOR SET INSTALLATIONS. ITEMS #96 & 97 NOT REQUIRED FOR INTERIOR SET INSTALLATIONS.



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



**OPTIONAL SILL TRIM
DETAIL A**



D
4 **HORIZONTAL SECTION**
FIXED JAMB - 1X/CONCRETE/MASONRY
INT.SET RECEPTOR - TYP.

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RECEPTOR INSTALLATION DETAILS

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FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL16313**

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HR	HFN

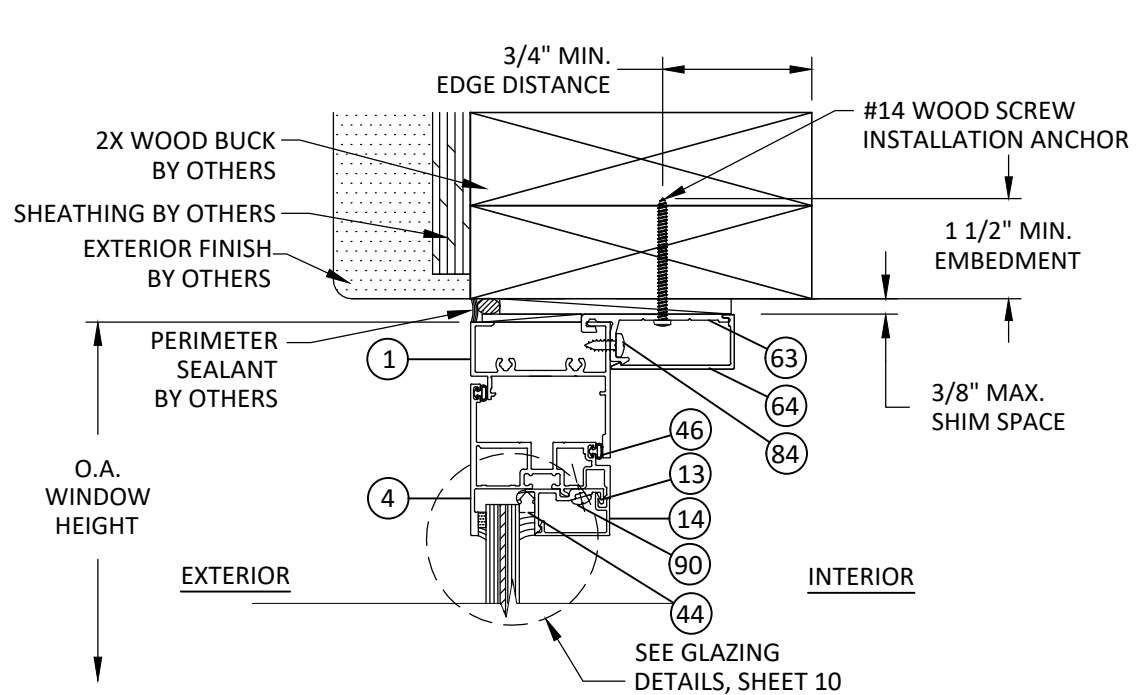
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DWG. #: **YKK119**

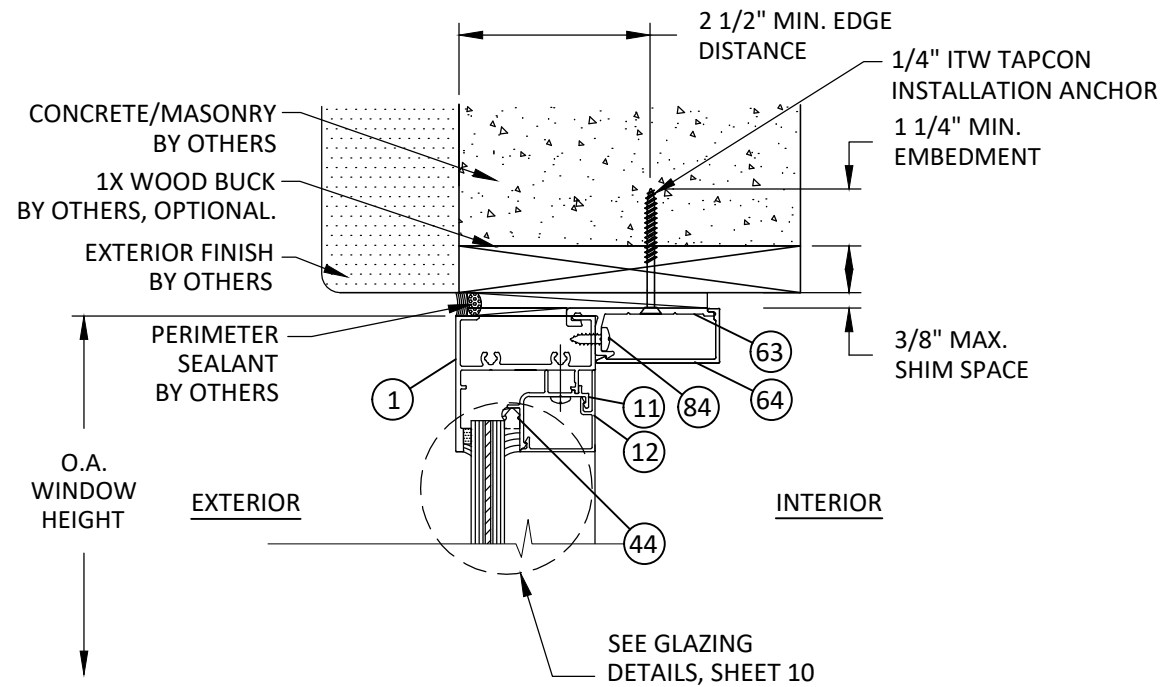
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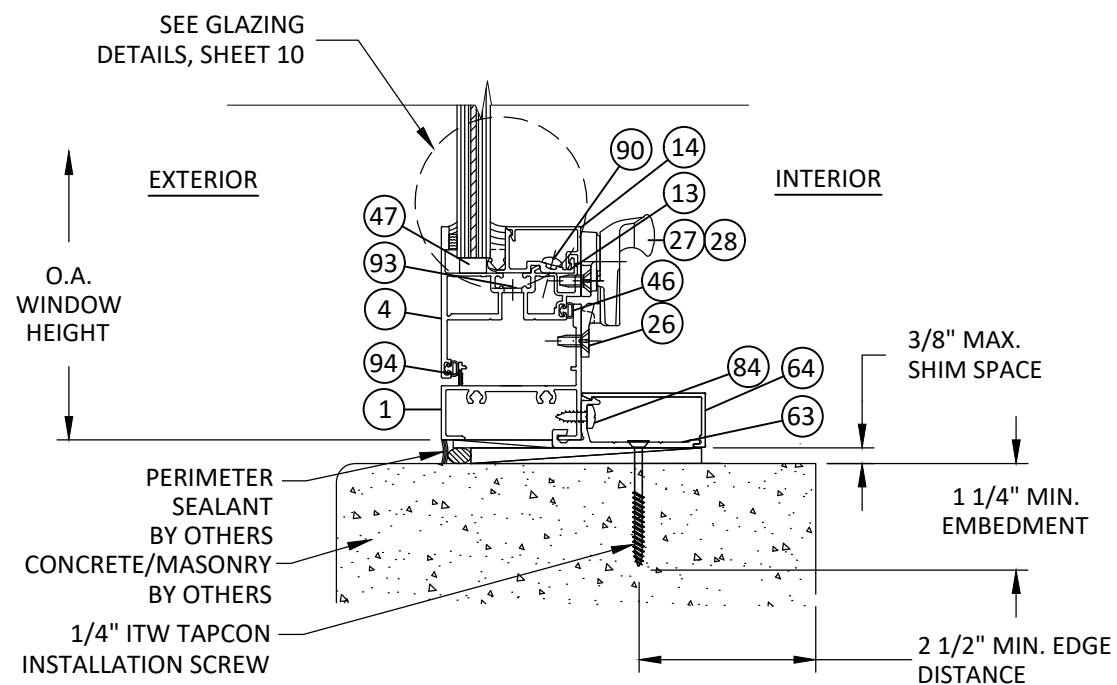
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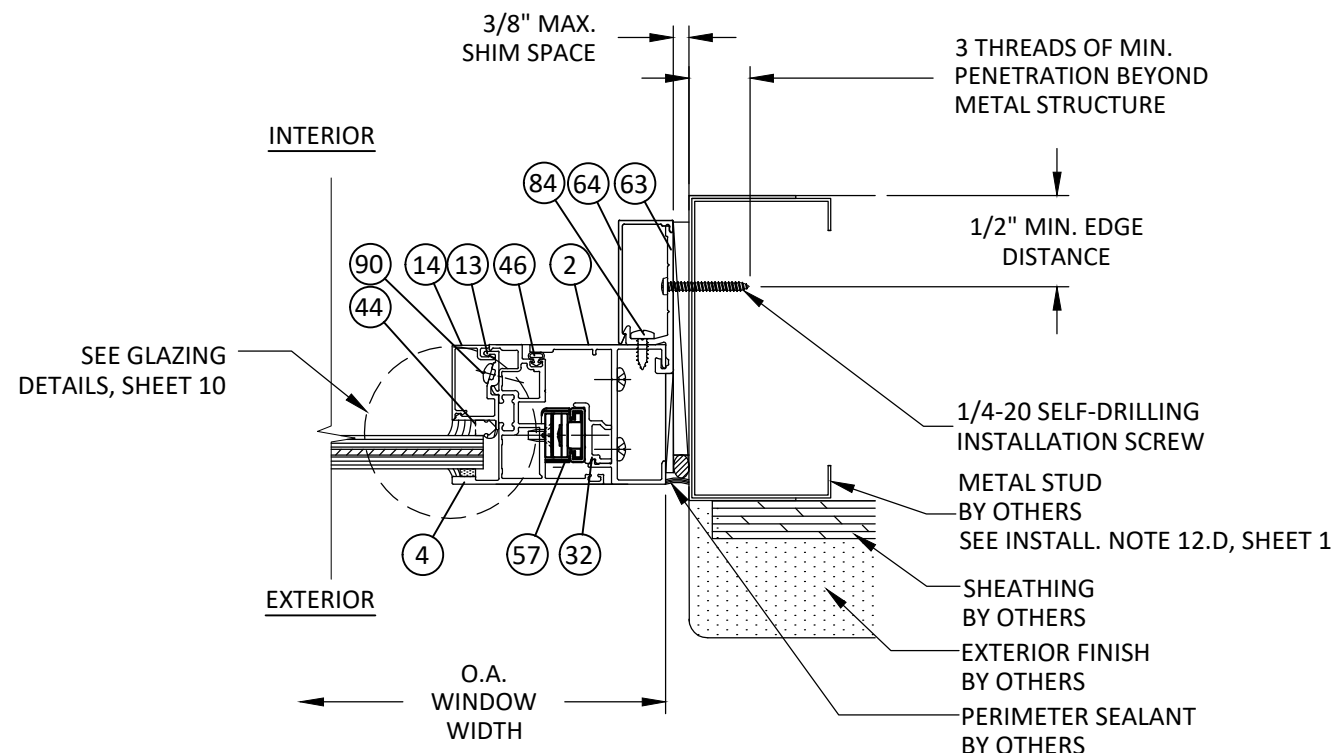
G
5 **VERTICAL SECTION**
VENT HEAD - 2X WOOD FRAME
CLIP ANCHOR - TYP.



H
5 **VERTICAL SECTION**
FIXED HEAD - 1X/CONCRETE/MASONRY
CLIP ANCHOR - TYP.



F
5 **VERTICAL SECTION**
VENT SILL - CONCRETE/MASONRY
CLIP ANCHOR - TYP.



I
5 **HORIZONTAL SECTION**
VENT JAMB - METAL STUD FRAME
CLIP ANCHOR - TYP.



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CLIP INSTALLATION DETAILS

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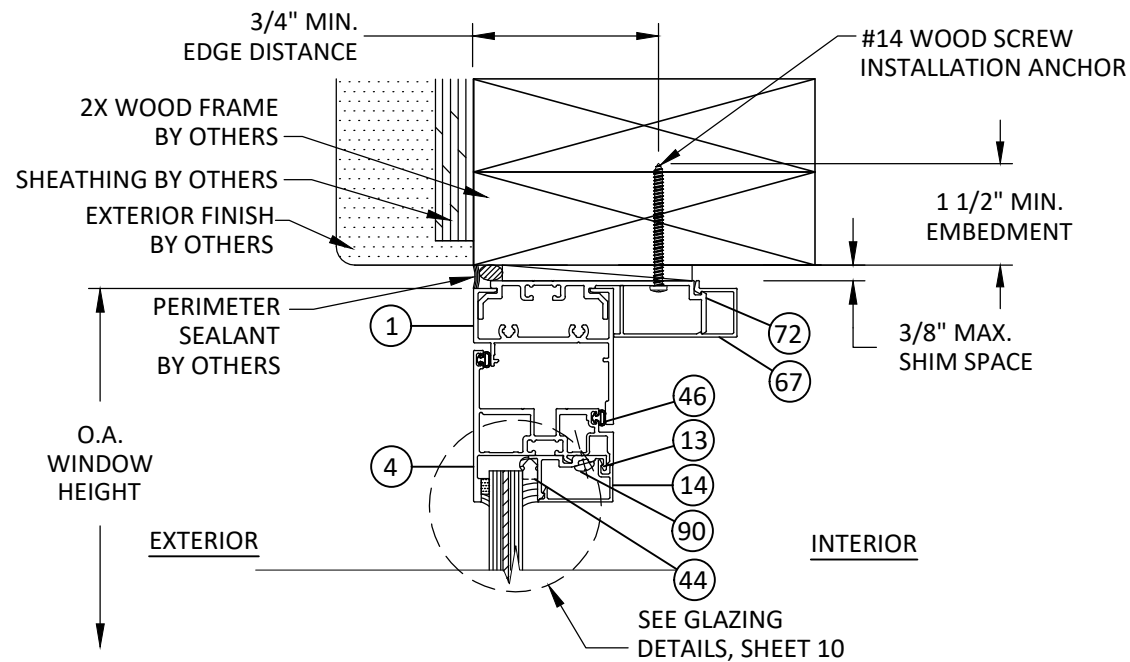
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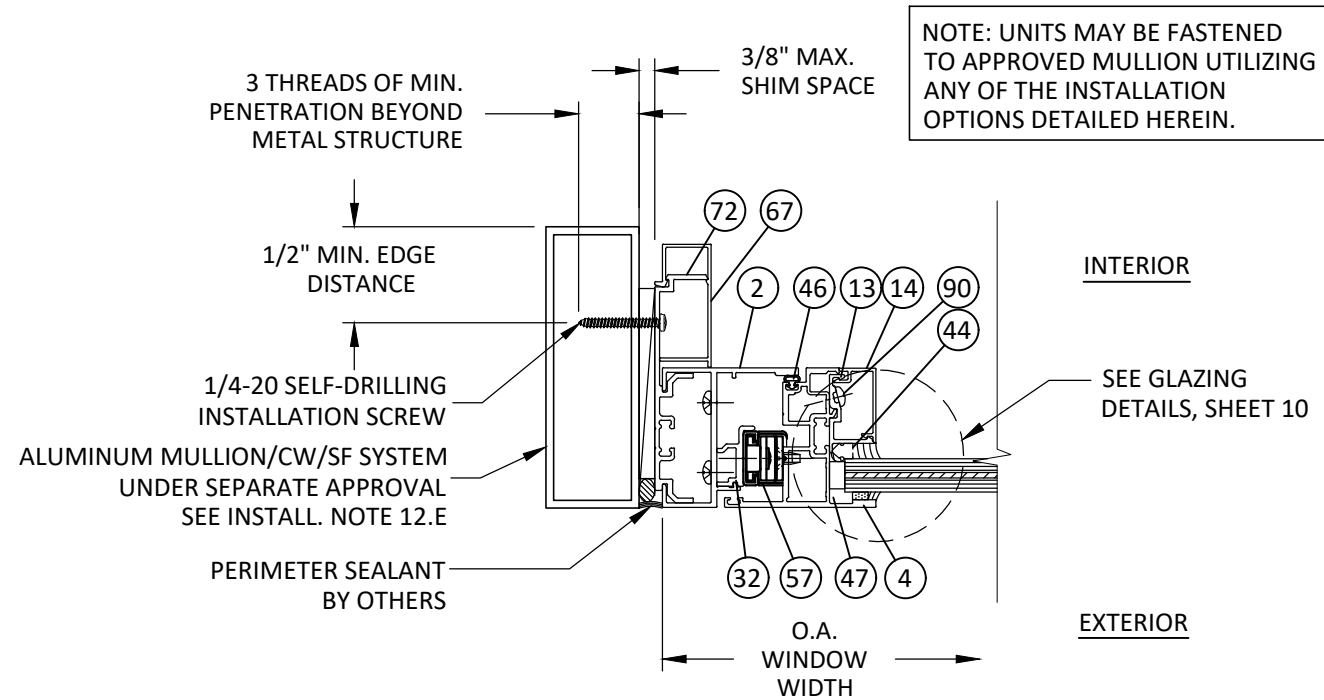


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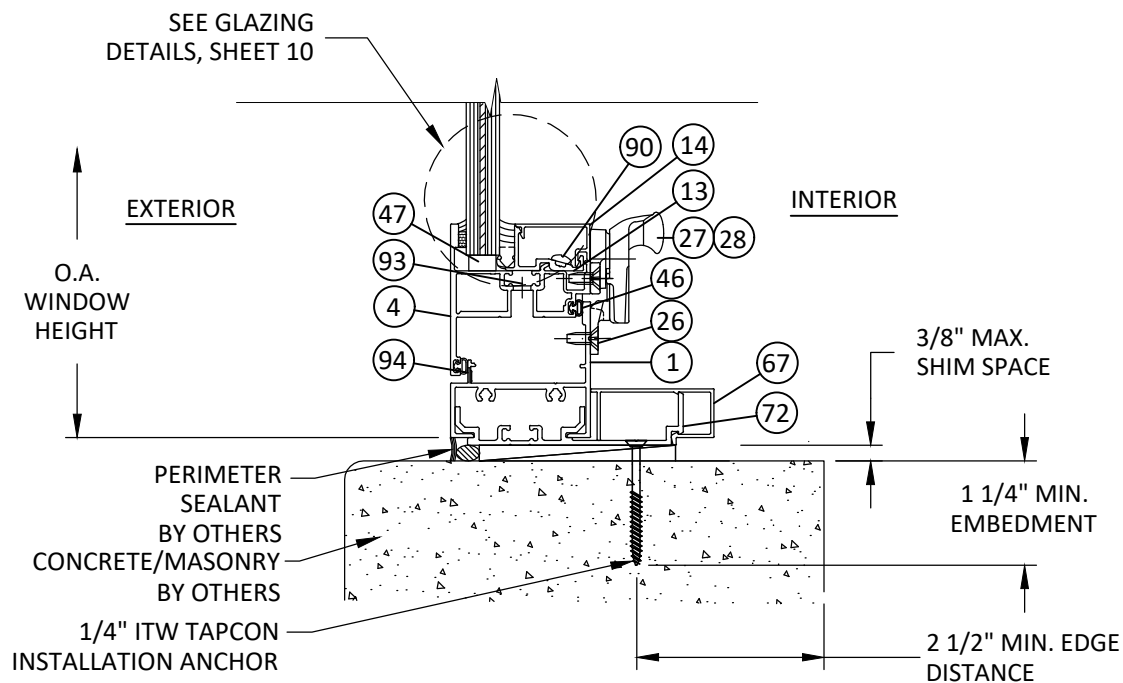
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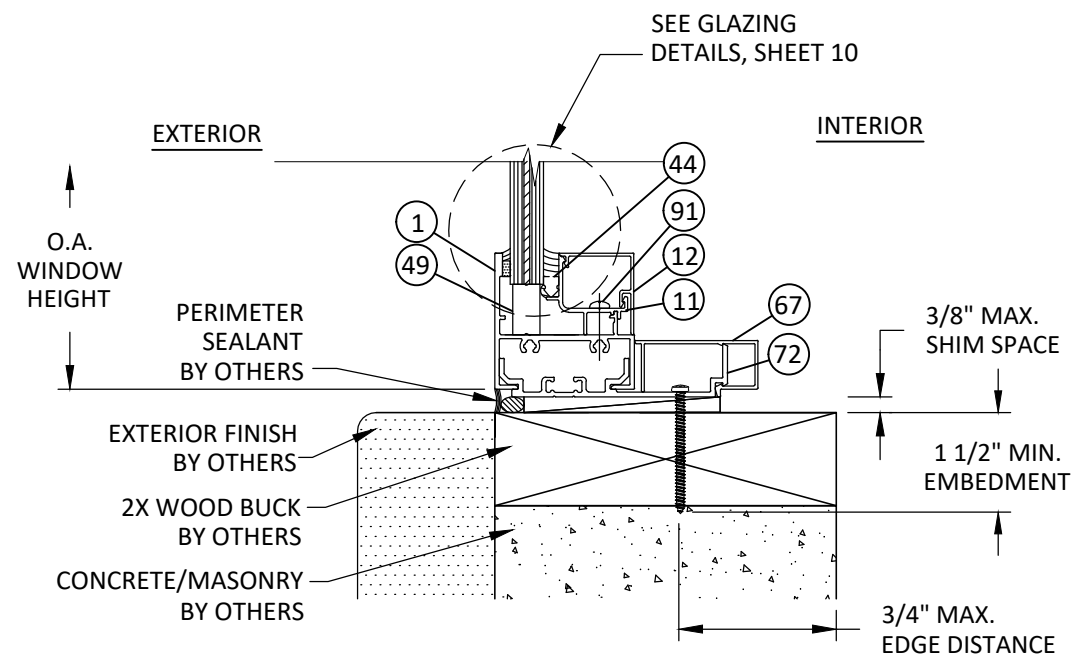
K
6 **VERTICAL SECTION**
VENT HEAD - 2X WOOD FRAME
STRAP ANCHOR - TYP.



L
6 **HORIZONTAL SECTION**
VENT JAMB - MULL TUBE FRAME
STRAP ANCHOR - TYP.



J
6 **VERTICAL SECTION**
VENT SILL - CONCRETE/MASONRY
STRAP ANCHOR - TYP.



M
6 **VERTICAL SECTION**
FIXED SILL - 2X WOOD BUCK
STRAP ANCHOR - TYP.



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STRAP INSTALLATION DETAILS

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SEE GLAZING DETAILS, SHEET 10

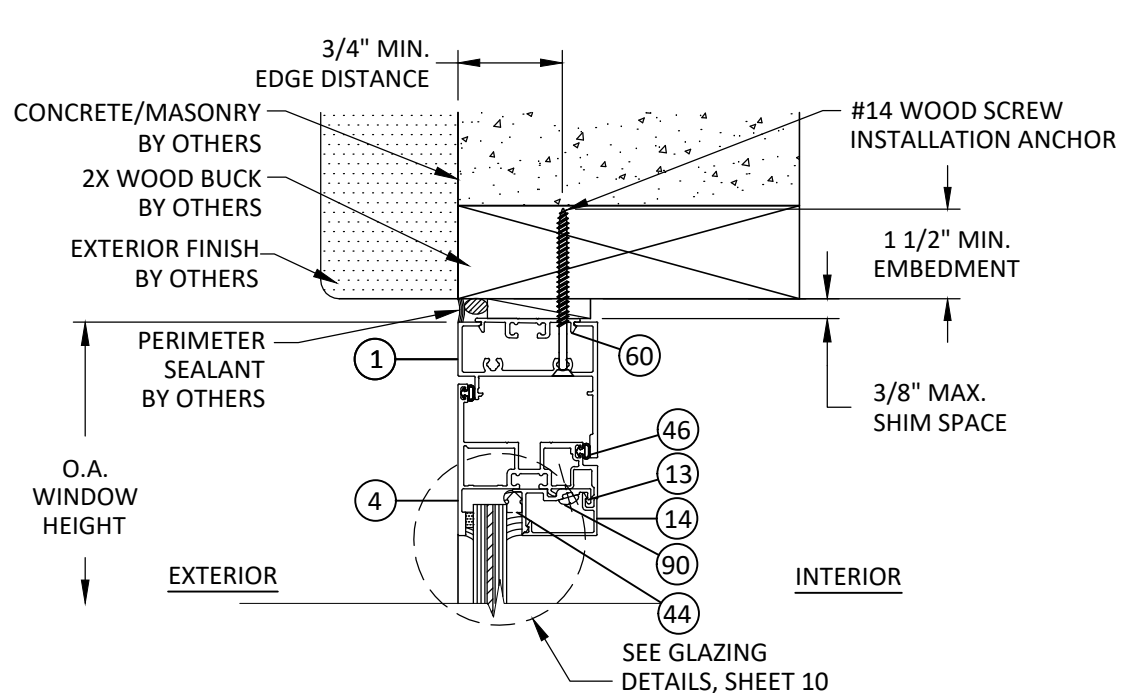
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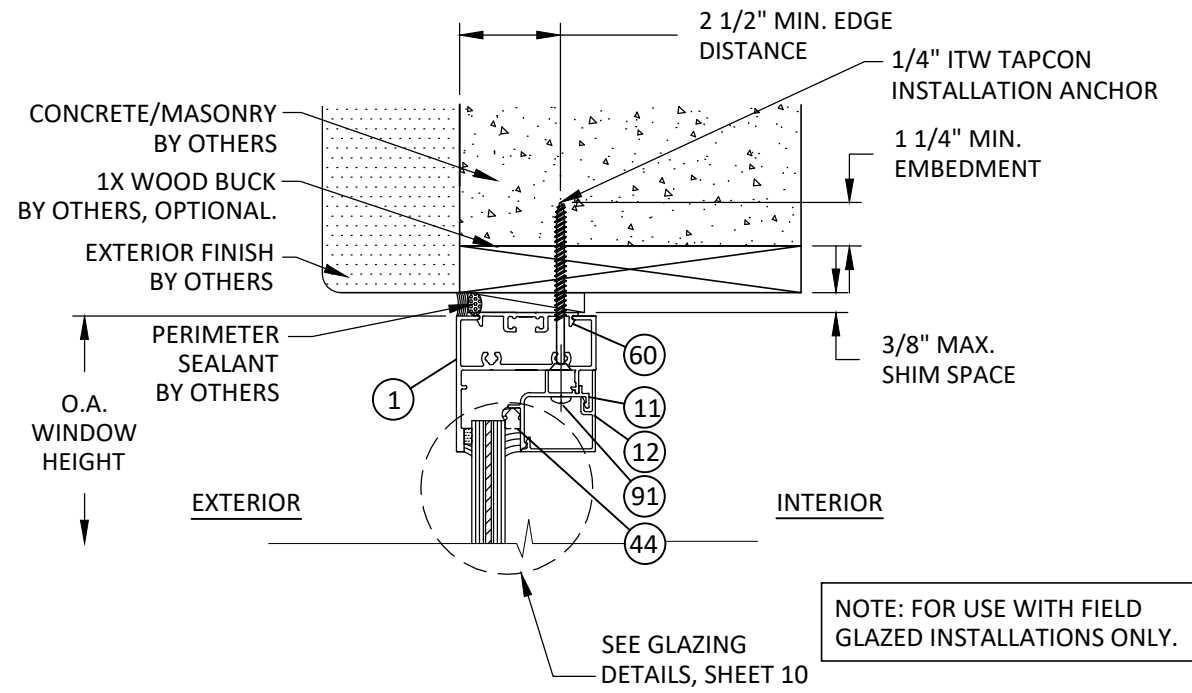


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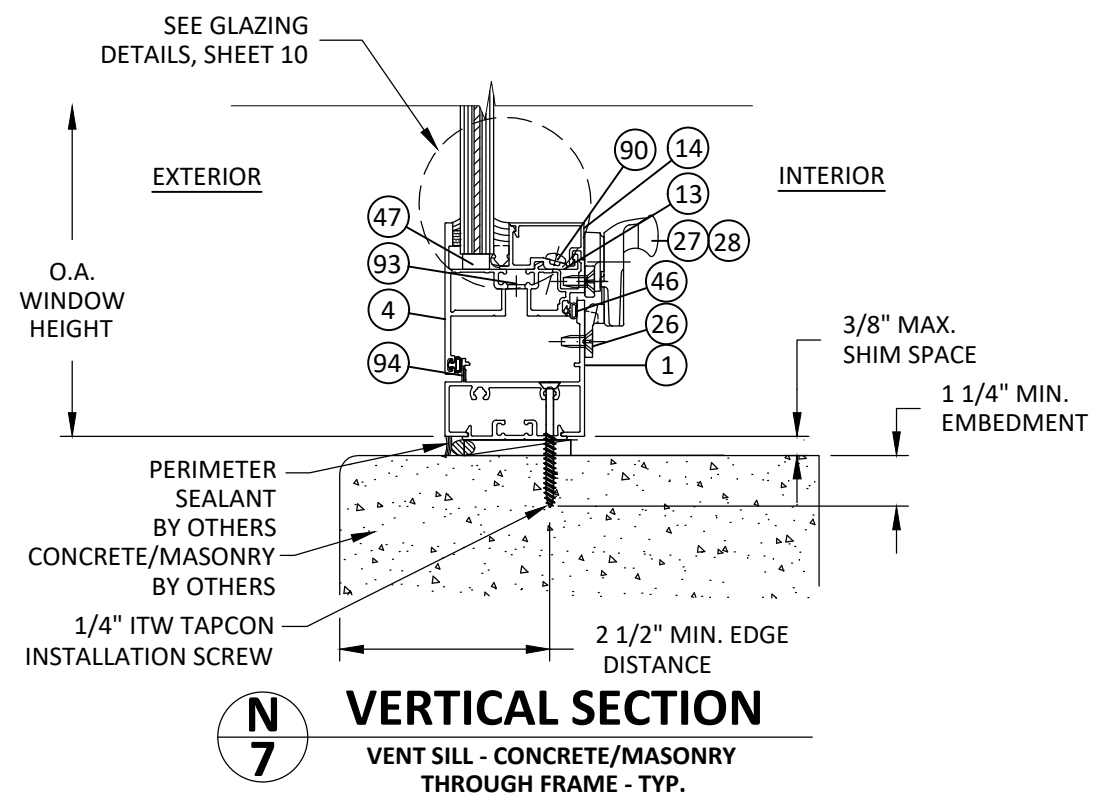
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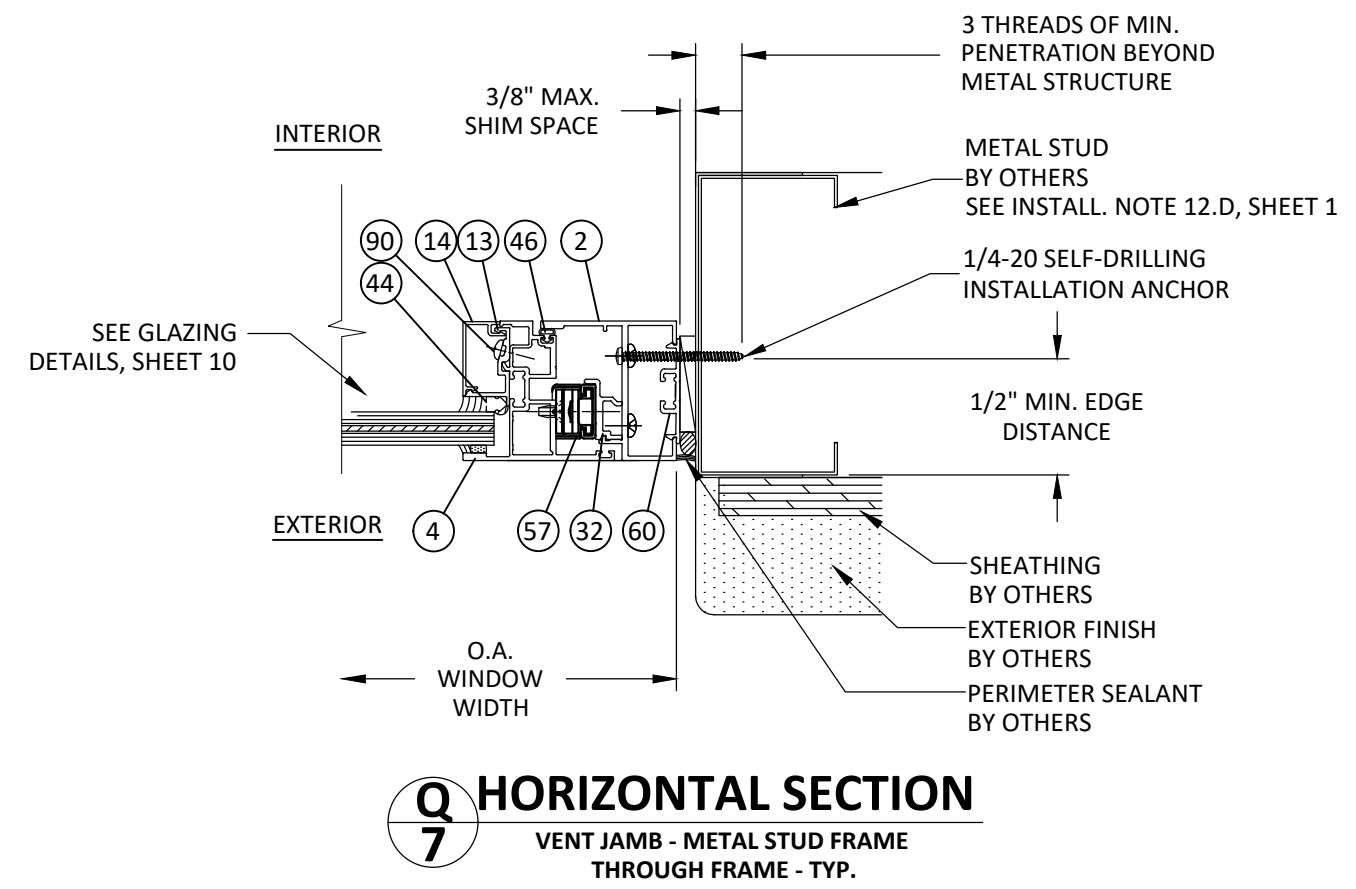
O7 VERTICAL SECTION
VENT HEAD - 2X WOOD BUCK
THROUGH FRAME - TYP.



P7 VERTICAL SECTION
FIXED HEAD - 1X/CONCRETE/MASONRY
THROUGH FRAME - TYP.



N7 VERTICAL SECTION
VENT SILL - CONCRETE/MASONRY
THROUGH FRAME - TYP.



Q7 HORIZONTAL SECTION
VENT JAMB - METAL STUD FRAME
THROUGH FRAME - TYP.

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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 H NON-THERMAL ALUMINUM PROJECT OUT 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

REMARKS	BY	DATE
SILL FLASHING UPDATED	HR	05.21.19
7TH FBC CODE CHANGE	MS	04.16.20
8TH FBC CODE CHANGE	SH	06.01.23

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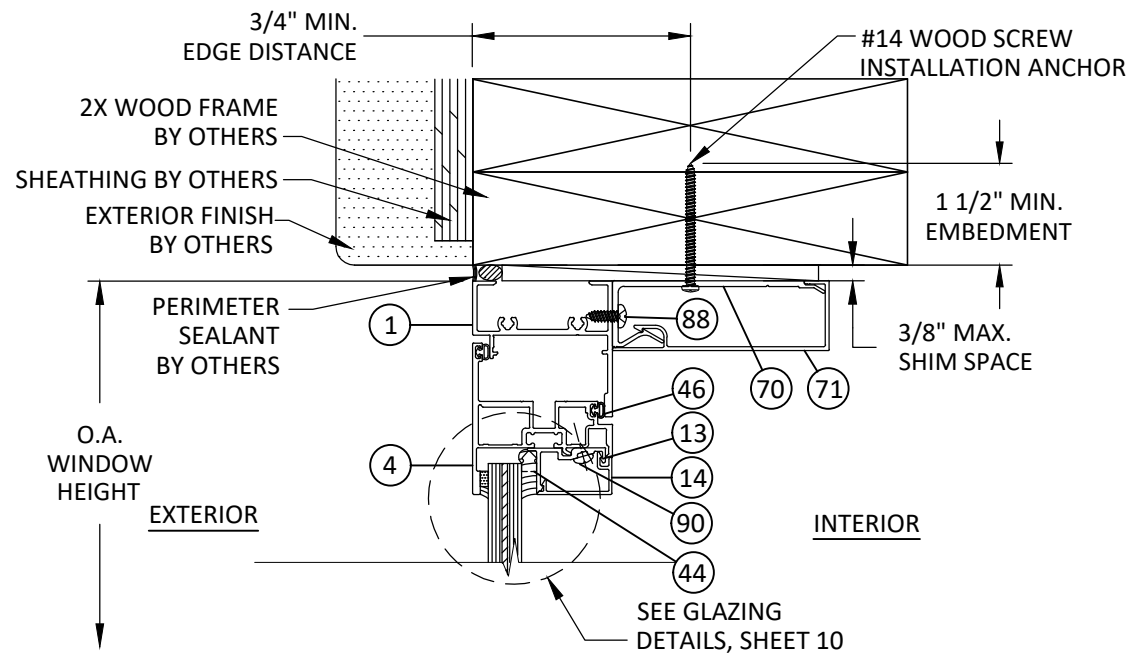
HERMES F. NORERO
LICENSE
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

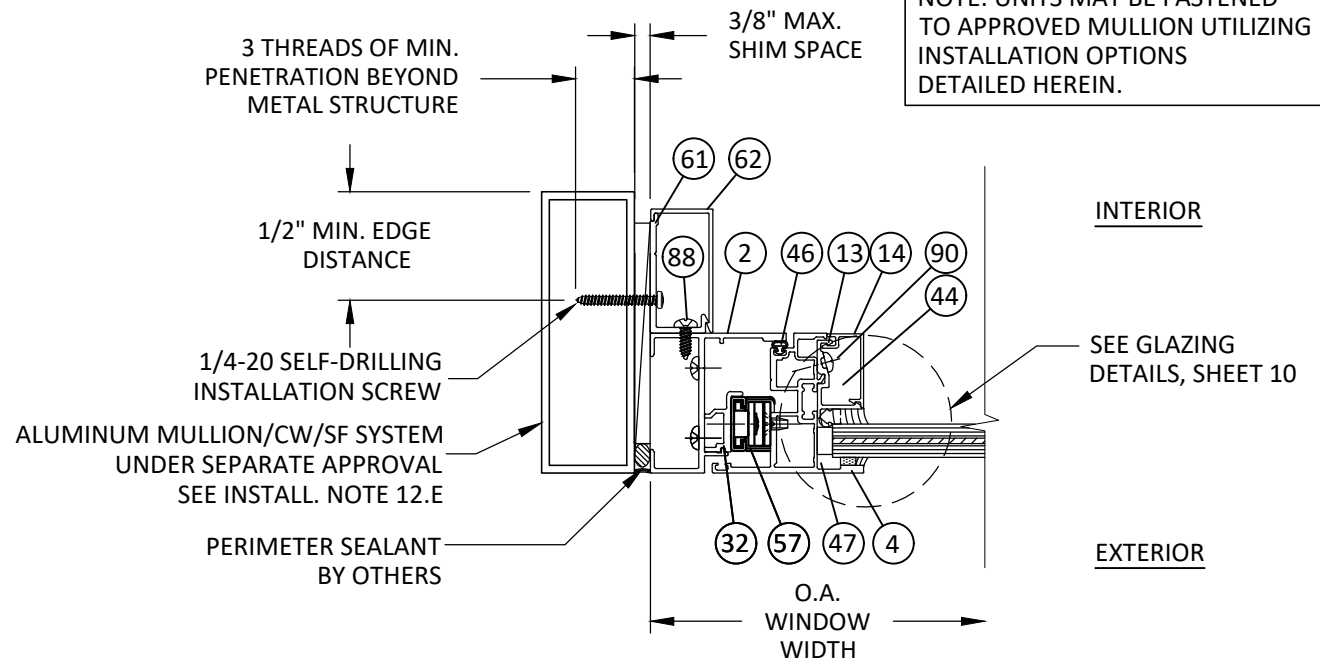
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DATE:		9.17.18
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HR	HFN	
SCALE:		NTS
DWG. #:		YKK119
SHEET:		7

OF 13

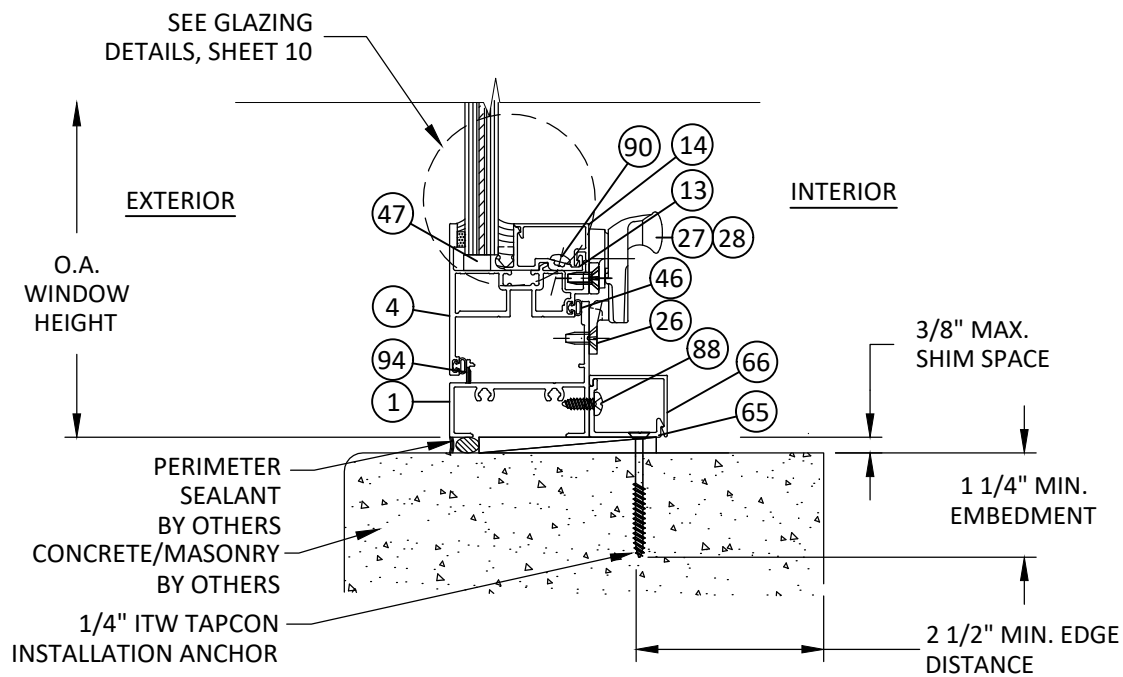
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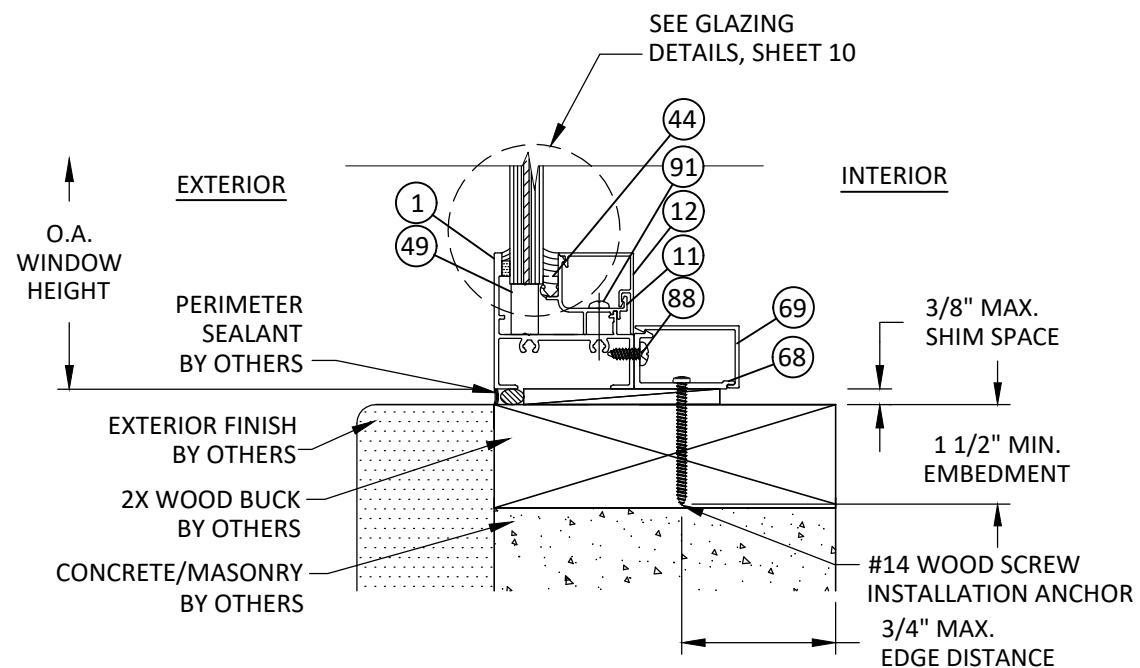
S
8 **VERTICAL SECTION**
VENT HEAD - 2X WOOD FRAME
TRIM CLIP ANCHOR - TYP.



T
8 **HORIZONTAL SECTION**
VENT JAMB - MULL TUBE FRAME
TRIM CLIP ANCHOR - TYP.



R
8 **VERTICAL SECTION**
VENT SILL - CONCRETE/MASONRY
TRIM CLIP ANCHOR - TYP.



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



YKK AP America Inc.
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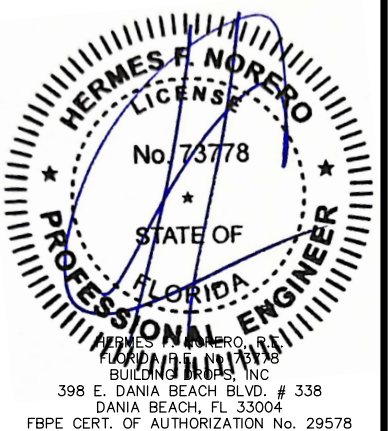
TRIM CLIP ANCHOR INSTALLATION

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BD
BUILDING DROPS

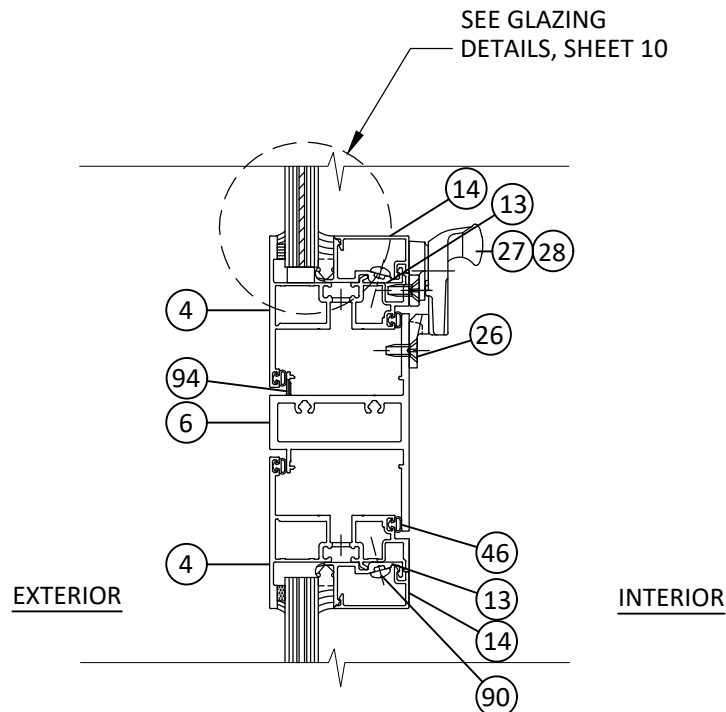
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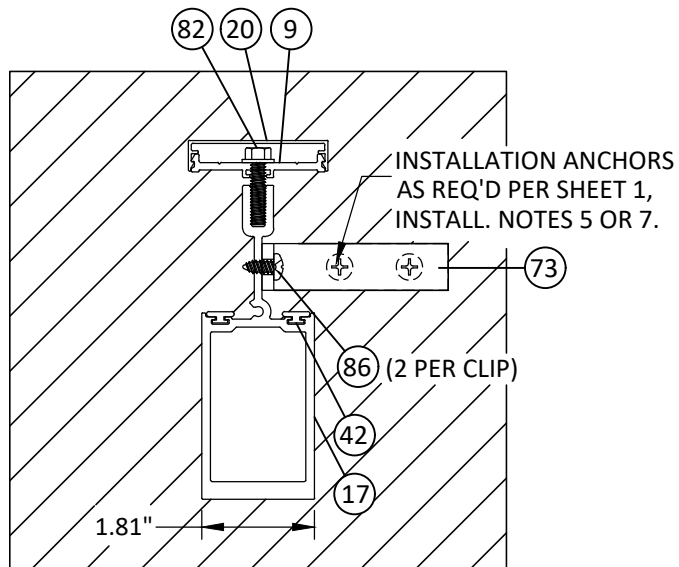


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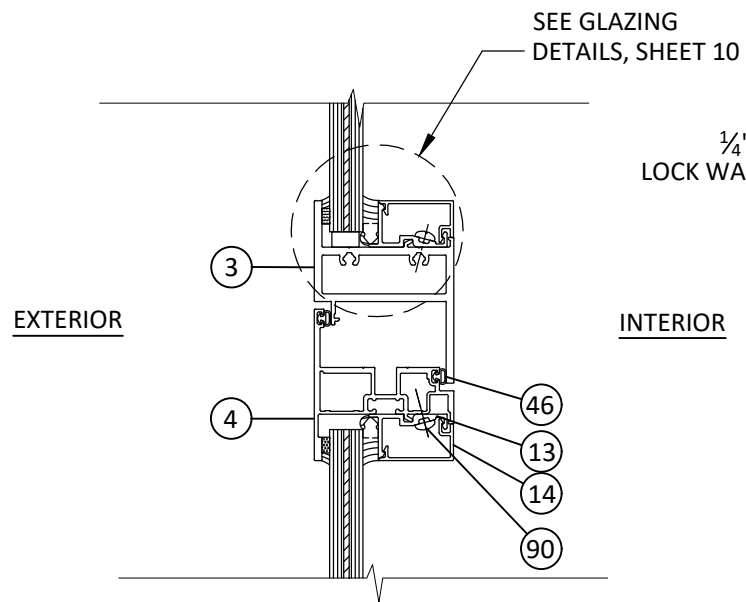
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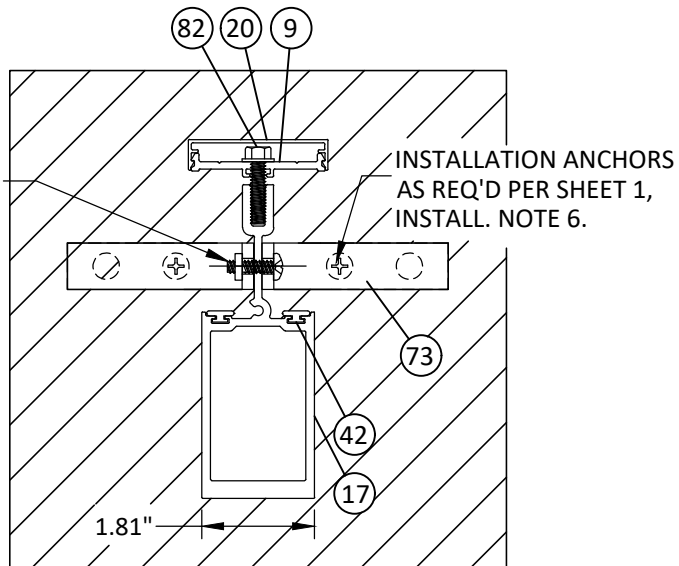
W
9 **HORIZONTAL SECTION**
PROJECT OUT - PROJECT OUT



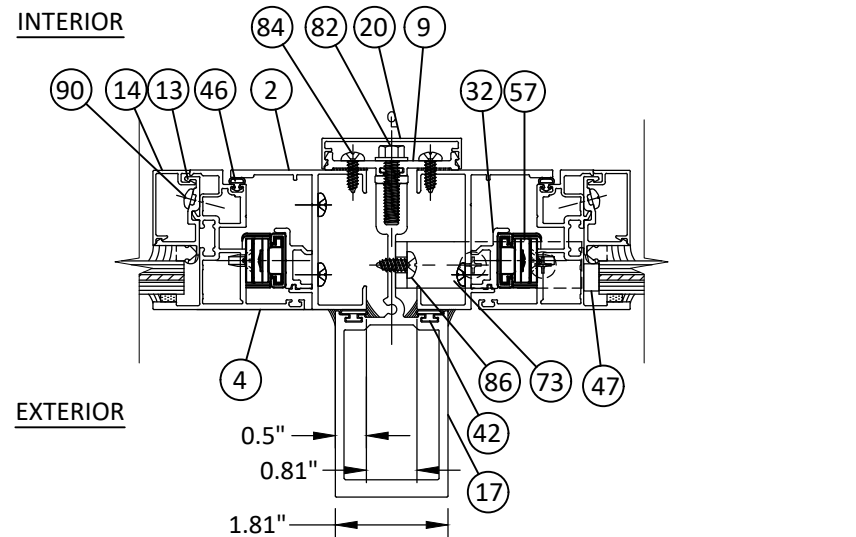
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9 **HORIZONTAL SECTION**
STACK MULLION - TYP.
INSTALL TO WOOD/METAL FRAME



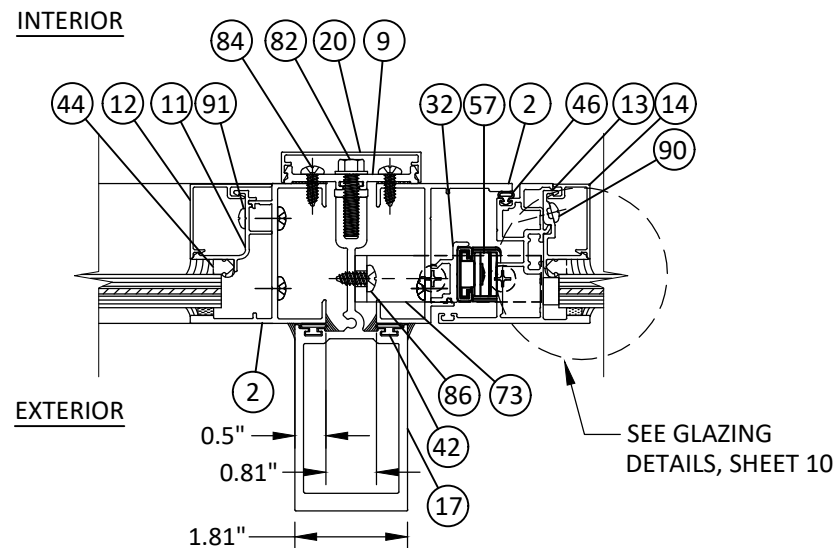
V
9 **VERTICAL SECTION**
INTEGRAL MULLION-TYP.
FIXED OVER PROJECT OUT



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



Y
9 **HORIZONTAL SECTION**
STACK MULLION - TYP.
PROJECT OUT TO PROJECT OUT



X
9 **HORIZONTAL SECTION**
STACK MULLION - TYP.
FIXED TO FIXED



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TITLE:
YOW 225 H NON-THERMAL ALUMINUM
PROJECT OUT WINDOW
(HVHZ) (IMPACT)

INTEGRAL & STACK MULL DETAILS

PREPARED BY:

BUILDING DROPS, INC.

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DANIA BEACH, FL 33004

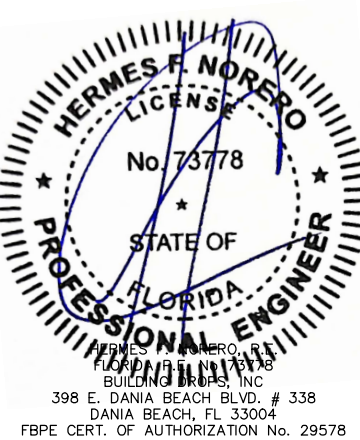
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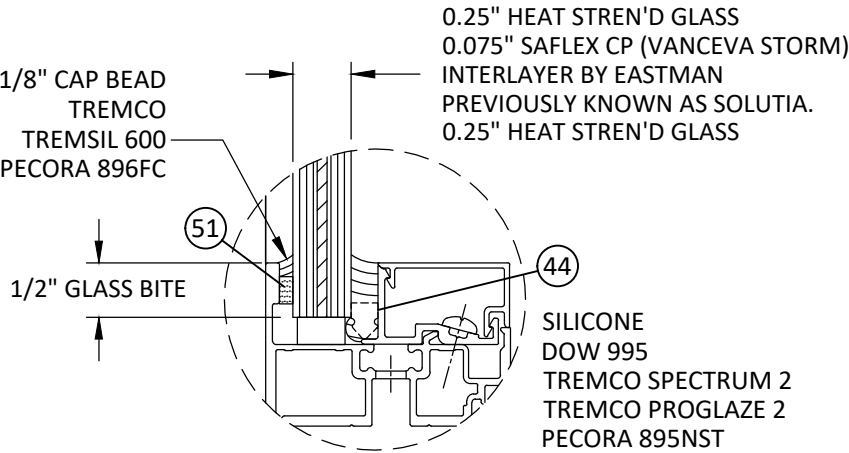
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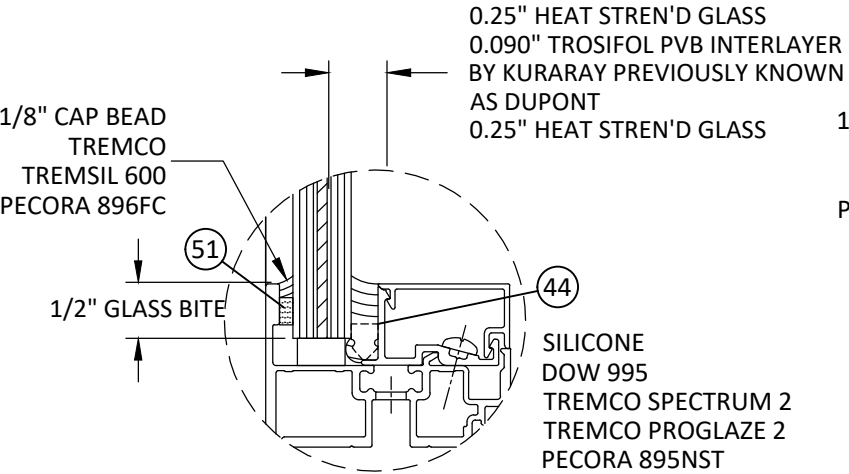
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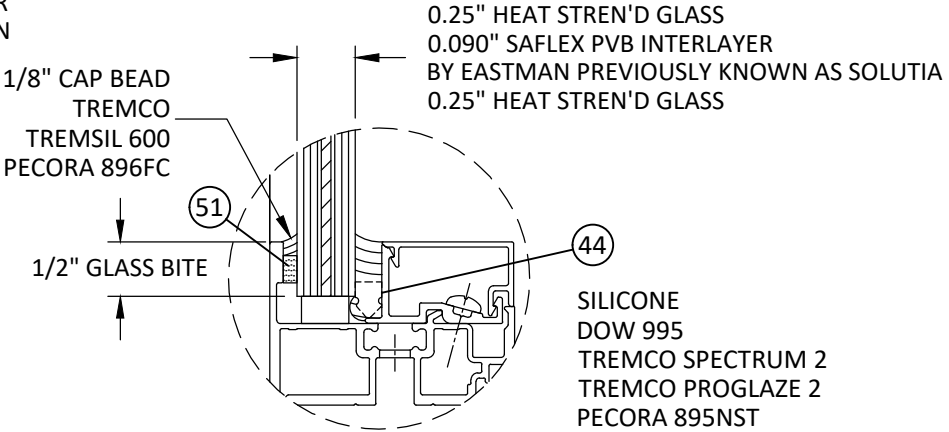
LARGE AND SMALL MISSILE IMPACT RATED GLAZING OPTIONS



GLAZING DETAIL A

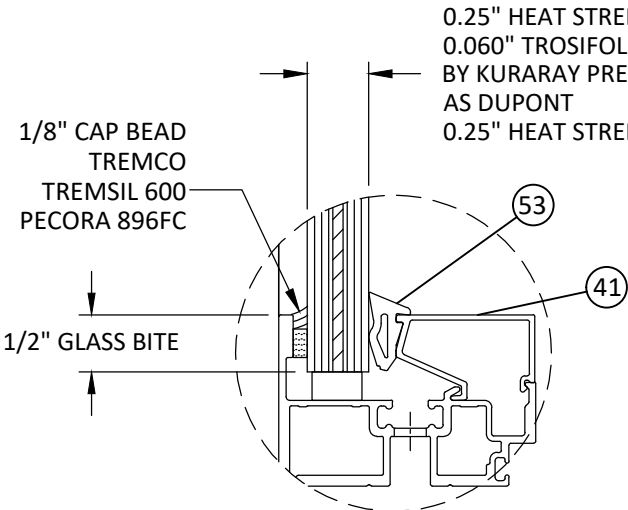


GLAZING DETAIL B

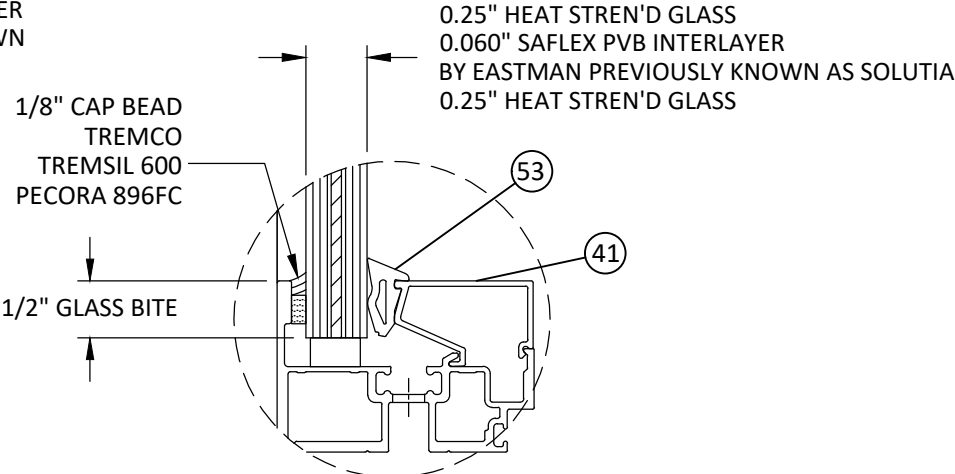


GLAZING DETAIL C

SMALL MISSILE IMPACT RATED GLAZING OPTIONS



GLAZING DETAIL D



GLAZING DETAIL E

- GLAZING NOTES:
- GLASS TYPE AND THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER, AND 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.
 - D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN GLASS CHARTS.



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PROJECT OUT WINDOW
(HVHZ) (IMPACT)

GLAZING DETAILS

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DANIA BEACH, FL 33004

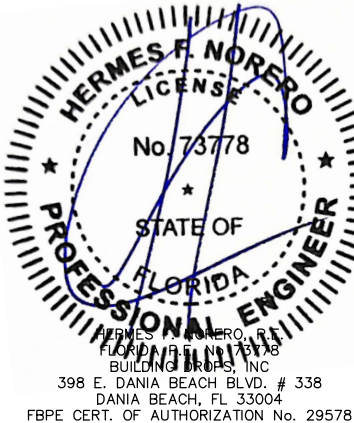
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YOW 225 H BILL OF MATERIAL					
ITEM NUMBER	PART NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER/SUPPLIER	COMMENTS
1	E9-4536	FRAME HEAD AND SILL	6063-T5	YKK-AP	
2	E9-4537	FRAME JAMB	6063-T5	YKK-AP	
3	E9-4570	MULLION	6063-T5	YKK-AP	
4	E9-4534	VENT	6063-T5	YKK-AP	
5	E9-4538	COMMON FRAME	6063-T5	YKK-AP	
6	E9-4539	MULLION	6063-T5	YKK-AP	
7	BE9-4583	2-1/4" SILL FLASHING	6063-T5	YKK-AP	
8	E9-4577	RECEPTOR	6063-T5	YKK-AP	
9	E9-4231	PRESSURE BAR	6063-T5	YKK-AP	
10	E9-4513	ADAPTOR	6063-T5	YKK-AP	
11	E9-4544	FIXED GLASS STOP	6063-T5	YKK-AP	
12	E9-4545	FIXED SNAP COVER	6063-T5	YKK-AP	
13	E9-4546	VENT GLASS STOP	6063-T5	YKK-AP	
14	E9-4547	VENT SNAP COVER	6063-T5	YKK-AP	
15	E9-4586	3" SILL TRIM	6063-T5	YKK-AP	
16	E9-4559	SILL TRIM BASE	6063-T6	YKK-AP	
17	E9-4562	STACKING MULLION	6063-T5	YKK-AP	
18	E9-4578	RECEPTOR STOP	6063-T5	YKK-AP	
19	E9-4593	LOCK BAR BASE	6063-T5	YKK-AP	
20	E9-5111	COVER	6063-T5	YKK-AP	
21	E9-7318	FIXED GLASS STOP	6063-T5	YKK-AP	
22	E9-7319	FIXED GLASS SNAP COVER	6063-T5	YKK-AP	
23					
24					
25					
26	E1-1519	KEEPER	WHITE BRONZE	BRONZE CRAFT	
27	E1-1541	CAM HANDLE - RH	WHITE BRONZE	BRONZE CRAFT	
28	E1-1542	CAM HANDLE - LH	WHITE BRONZE	BRONZE CRAFT	
29					
30	E1-1839	HINGE BASE 16" RH	6063-T5	YKK-AP	
31	E1-1840	HINGE BASE 16" LH	6063-T5	YKK-AP	
32	E1-1782	HINGE BASE 22"	6063-T5	YKK-AP	
33	E1-1786	CORNER BLOCK	6063-T5	YKK-AP	
34	E1-1787	CORNER BLOCK	6063-T5	YKK-AP	
35					
36					
37					
38					
39					
41	E9-4548	SMI GLASS STOP	6063-T5	YKK-AP	
42	E2-0051	AT GASKET	SANTOPRENE	TREMCO	
43	E2-0653	SIDE BLOCK	EPDM	TREMCO	
44	E2-0359	PUSH - IN - SPACER	SCR900	TREMCO	
45	E2-0367	PUSH - IN - SPACER	SCR900	TREMCO	
46	E2-0625	AT GASKET	SANTOPRENE	TREMCO	
47	E2-0623	SETTING BLOCK	EPDM	TREMCO	
49	E2-0652	SETTING BLOCK	EPDM	TREMCO	
50					
51	E2-0670	BACKER TAPE	POLYURETHANE FOAM	SAINT GOBAIN	
52	E2-0682	GASKET - RUBBER	BUTYL	BRONZE CRAFT	FOR MULTI LOCK HANDLE

YOW 225 H BILL OF MATERIAL					
ITEM NUMBER	PART NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER/SUPPLIER	COMMENTS
53	E2-0672	WEDGE GASKET	EPDM		DUROMETER 70 +/-5
55					
56					
57	4K-14209	22" 4 BAR HINGE	STAINLESS STEEL	YKK-AP	
58	5K-15284	16" 4 BAR HINGE	STAINLESS STEEL	YKK-AP	
59					
60	E9-4566	THROUGH FRAME FILLER PLATE	6063-T5	YKK-AP	3" LONG @ EA. ANCHOR LOCATION
61	E9-4031	1" X 2" CLIP	6063-T5	YKK-AP	
62	E9-4032	1" X 2" COVER	6063-T5	YKK-AP	
63	E1-1922	ANCHOR CLIP	6063-T5	YKK-AP	
64	E9-4035	ANCHOR CLIP COVER	6063-T5	YKK-AP	
65	E9-4556	1 ¼" X 1" CLIP	6063-T5	YKK-AP	
66	E9-4557	1 ¼" X 1" COVER	6063-T5	YKK-AP	
67	E9-8431	STRAP ANCHOR COVER	6063-T5	YKK-AP	
68	E9-8537	1" X 1 1⁄₆" CLIP	6063-T5	YKK-AP	
69	E9-8538	1" X 1 1⁄₁₆" COVER	6063-T5	YKK-AP	
70	E9-8562	1 ½" X 3 ½" CLIP	6063-T5	YKK-AP	
71	E9-8563	1 ½" X 3 ½" COVER	6063-T5	YKK-AP	
72	E9-4529	STRAP ANCHOR	6063-T5	YKK-AP	MIN. LENGTH: 4-1/2"
73	E1-1965	MULLION CLIP at ¾"	6063-T5	YKK-AP	
74	E1-2003	END DAM	6063-T5	YKK-AP	
75	E2-0768	JAMB BLOCK			AT BOTTOM OF JAMB WITH SILL FLASHING
76					
77					
78					
79	FF-1012-SS	#10-24 X 3/4" FH MS SS F	300 SS		FOR 4 BAR HINGE BASE
80					
81					
82	HD-2516-W3	1/4-20 X 1" HWHS SS	300 SS		1 1/2" FROM EA. END & 9" MAX. O.C.
83					
84	PC-1008 -SS	#10 X 1/2" PH SMS SS AB	300 SS		6" FROM EA. END & 12" MAX. O.C.
85	PC-1016-SS	#10 X 1" PH SMS SS AB	300 SS		FOR FRAME ASSEMBLY
86	PC-1208-SS	#12X1/2" PH SMS SS AB	300 SS		(2) PER CLIP TO MULLION
87	PF-1006-SS	#10-24 X 3/8" FH MS SS F	300 SS		FOR 4 BAR HINGE
88		#10 X 1/2" PH SMS	SAE GR. 5		3" FROM EA. END & 7 1/8" MAX. O.C.
89					
90	PS-0808-SS	#8 X 1/2" PH SMS SS SELF DRILLING	410 SS		3" FROM EA. END & 10" O.C.
91	PS-1016-SS	#10 X 1" PH SMS SS SELF DRILLING	410 SS		3" FROM EA. END & 10" O.C.
92					
93		9/32" DIA. WEEP HOLE			AT CENTER OF BOTTOM RAIL
94		1 1/16" X 1/4" WEEP SLOT			AT CENTER OF EA. W.O. AT FRAME SILL
95					
96		#10-16 x 3/4" SSMS (PH OR FH)			3" FROM CORNERS, SILICONE AT HOLES
97		DOW 995 SILICONE ADHESIVE	SILICONE		MIN. 4" BEADS AT MAX. 24" O.C.
98		PECORA 895NST SILICONE ADHESIVE	SILICONE		
99		TREMCO SPECTRUM 2 ADHESIVE	SILICONE		
100		TREMCO PROGLAZE 2 ADHESIVE	SILICONE		
101					
102					
103	PC-0806SS	#8 X ⅜" PHSMS TYPE AB	STAINLESS STEEL		
104	E9-4587	4" SILL TRIM	6063-T5	YKK-AP	



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1229 HWY 441 BYPASS
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TITLE:
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PROJECT OUT WINDOW
(HVHZ) (IMPACT)

BILL OF MATERIALS

PREPARED BY:

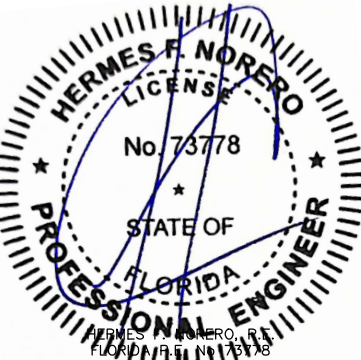
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STATE OF
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PROFESSIONAL ENGINEER

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FL 00011111111111111111
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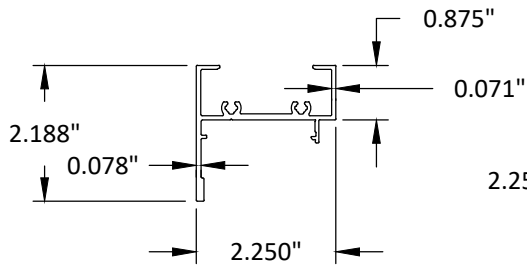
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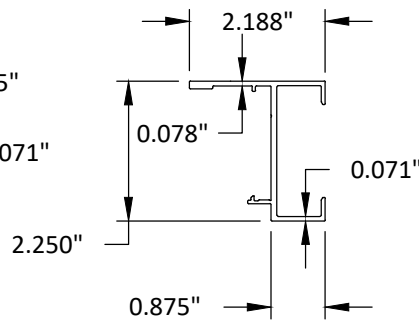
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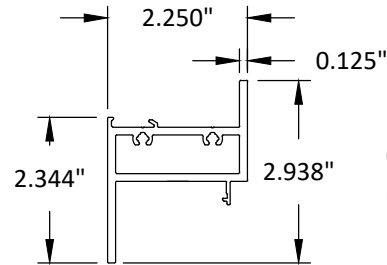
1 FRAME HEAD/SILL
6063-T5



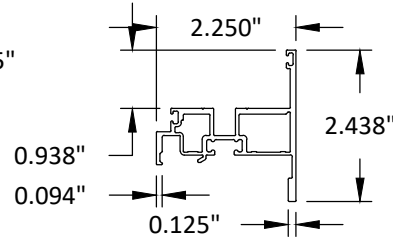
2 FRAME JAMB
6063-T5



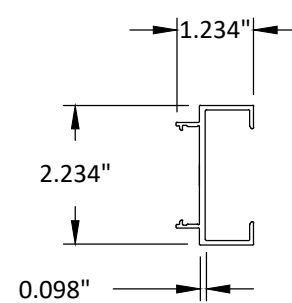
3 MULLION
6063-T5



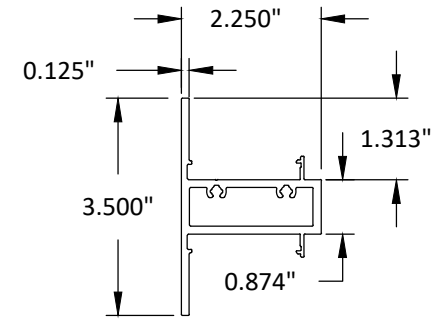
4 VENT
6063-T5



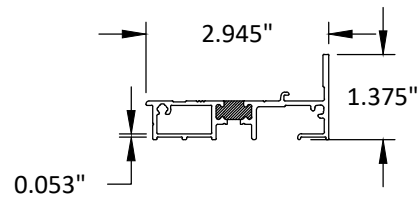
5 COMMON FRAME
6063-T5



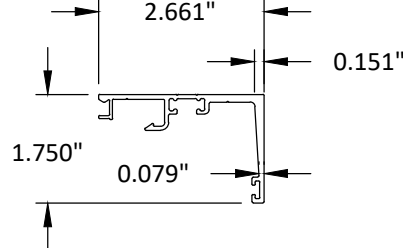
6 MULLION
6063-T5



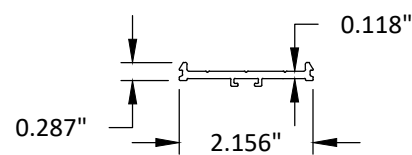
7 2-1/4" WEEPING SILL FLASHING
6063-T5



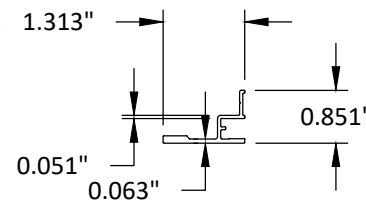
8 RECEPTOR
6063-T5



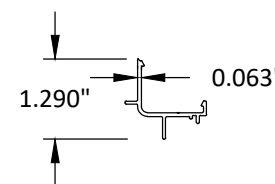
9 PRESSURE BAR
6063-T5



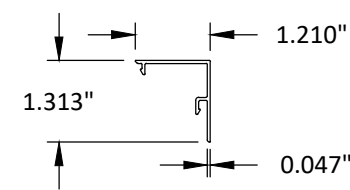
10 ADAPTOR
6063-T5



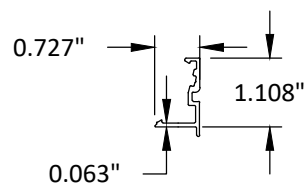
11 FIXED GLASS STOP
6063-T5



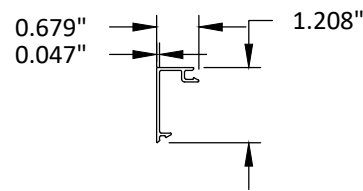
12 FIXED SNAP COVER
6063-T5



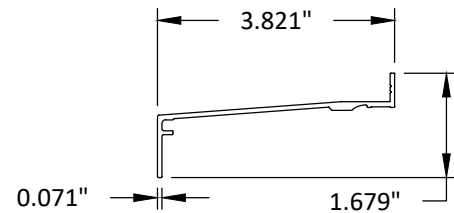
13 VENT GLASS STOP
6063-T5



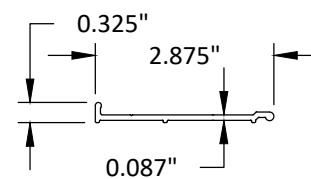
14 VENT SNAP COVER
6063-T5



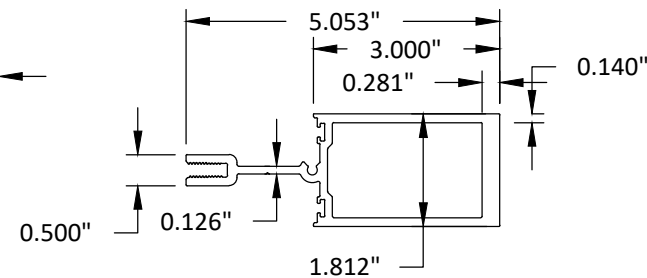
15 3" SILL TRIM
6063-T5



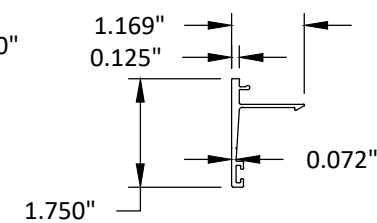
16 SILL TRIM BASE
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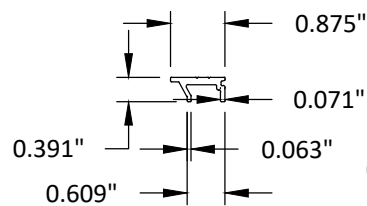
17 STACKING MULLION
6063-T5



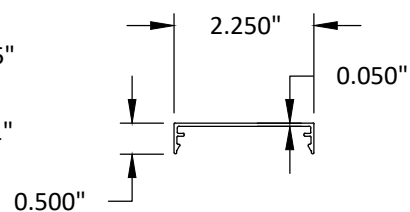
18 RECEPTOR STOP
6063-T5



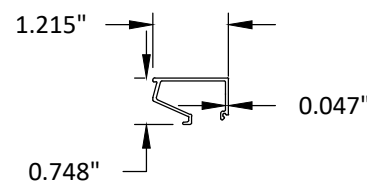
19 LOCK BAR BASE
6063-T5



20 COVER
6063-T5



41 SMI GLASS STOP
6063-T5



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

TITLE:
YOW 225 H NON-THERMAL ALUMINUM
PROJECT OUT WINDOW
(HVHZ) (IMPACT)

COMPONENTS 1

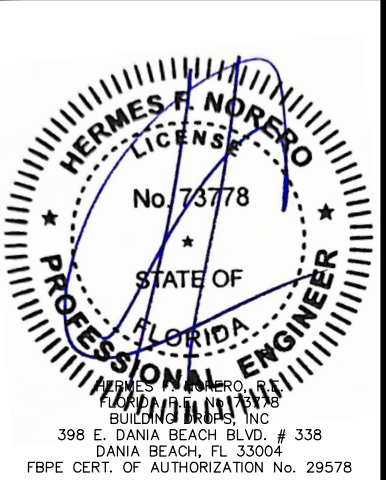
PREPARED BY:
BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
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REMARKS	BY	DATE
SILL FLASHING UPDATED	HR	05.21.19
7TH FBC CODE CHANGE	MS	04.16.20
8TH FBC CODE CHANGE	SH	06.01.23

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
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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 #:

FL16313

DATE: 9.17.18

DWG. BY:
HR

CHK. BY:
HFN

SCALE: NTS

DWG. #: YKK119

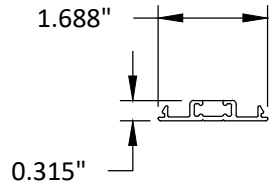
SHEET:

12

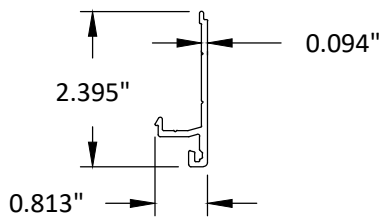
OF 13

7/20/2023 9:34 AM
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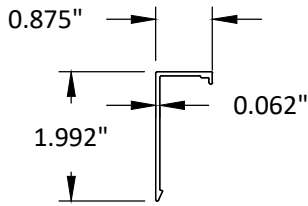
60 THROUGH FRAME FILLER PLATE
6063-T5



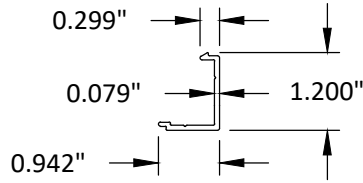
63 ANCHOR CLIP
6063-T5



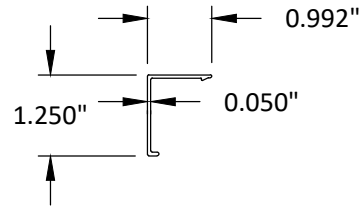
64 ANCHOR CLIP
6063-T5



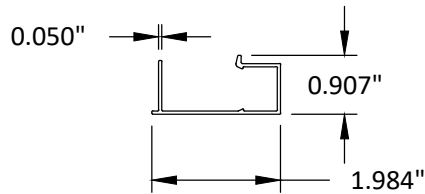
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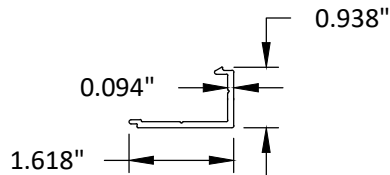
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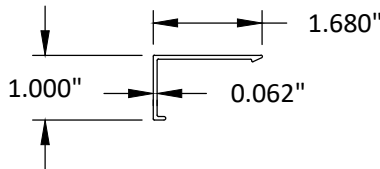
67 STRAP ANCHOR COVER
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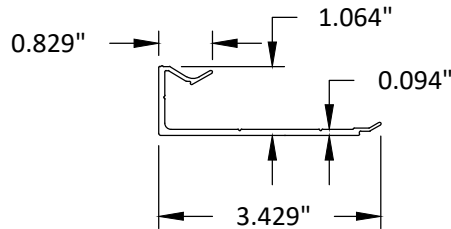
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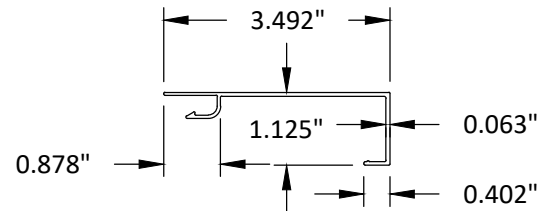
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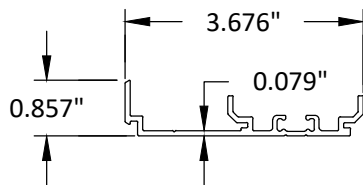
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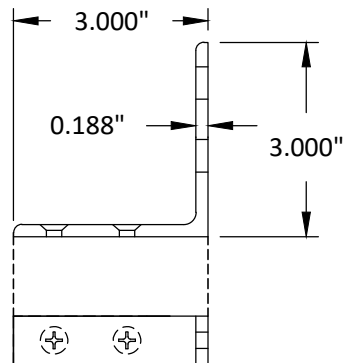
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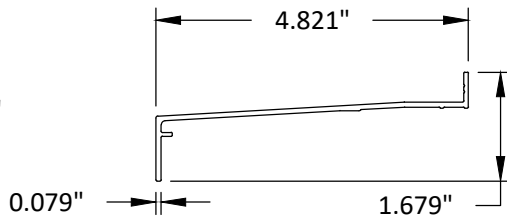
72 STRAP ANCHOR
6063-T5
MINIMUM 4 1/2\"/>



73 MULLION CLIP
6063-T5



104 4\"/>



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COMPONENTS 2

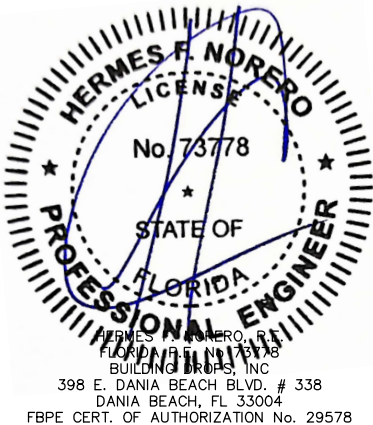
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OF 13