

INSTALLATION NOTES:

- 8/17/2026 6:06 PM

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- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
 - THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
 - INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
 - SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
 - FOR INSTALLATION INTO WOOD FRAMING USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
 - FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
 - FOR INSTALLATION THROUGH METAL STUD USE 1/4 INCH DIAMETER TEK SCREWS OR 1/4 INCH DIAMETER SMS SCREWS, GR. 5 OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
 - MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
 - INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

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

• CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
 - FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
 - INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
 - INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

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 20 GA. WALL THICKNESS.

E. ALUMINUM - MINIMUM 1/16 INCH THICK, 6063-T5 ALUMINUM.
 - INSTALLATION SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR SEALING WINDOWS AND ACCESSORY ITEMS.

YKK AP AMERICA INC.

YES SSG TUH ALUMINUM PROJECT OUT WINDOW (IMPACT) (HVHZ)

GENERAL NOTES:

- 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:

• TAS 201-94

• TAS 202-94

• TAS 203-94

• ASTM E1886-19

• ASTM E1996-23
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT. DOCUMENTS SHALL BE APPROVED BY AUTHORITY HAVING JURISDICTION (AHJ).
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: ALUMINUM 6063-T5
- IN ACCORDANCE WITH THE FBC, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN SEC 2003.
- GLASS MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAILS.

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5	FLAT FRAME (WALL SYS.) INSTALLATION DETAILS
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7	GLAZING DETAILS
8	BILL OF MATERIALS AND COMPONENTS

DESIGN PRESSURE TABLE				
GLAZING TYPES	MAX. FRAME SIZE	MAX. DP	IMPACT RATING	HARDWARE
G1, G3, G4	60" X 36"	+80/-80 PSF	LMI	OPTION 1
G2	60" X 36"	+80/-80 PSF	SMI	OPTION 1
G1, G3, G4	60" X 36"	+65/-65 PSF	LMI	OPTION 2
G2	60" X 36"	+65/-65 PSF	SMI	OPTION 2

- NOTE:
- LMI - LARGE MISSILE IMPACT RATED
 - SMI - SMALL MISSILE IMPACT RATED
 - SEE SHEET 7 FOR GLAZING DETAILS
 - HARDWARE OPTIONS FOUND ON SHEET 3.



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TITLE: YES SSG TUH ALUMINUM PROJECT OUT WINDOW (IMPACT)(HVHZ)

INSTALLATION & GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.

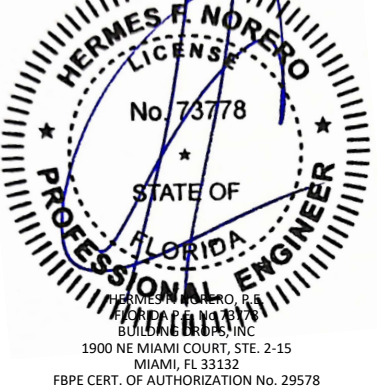
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MIAMI, FL 33132
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FAX: (954)744-4738
WEB: www.buildingdrops.com

BUILDING DROPS

REMARKS	BY	DATE
FLAT FRAME CHANGED	HR	11.29.17
SILICONE DEPTH CHANGE	HR	11.29.17
SILL AT GASKET UPDATE	MS	01.21.22
2026 CODE UPDATE	SH	07.31.26

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

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.16 11:17:57 -03'00'



FL #:

FL17098

DATE:

08.16.18

DWG. BY:

HR

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

YKK037

SHEET:

1

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OF 8

ELEVATIONS

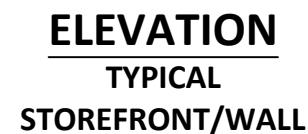


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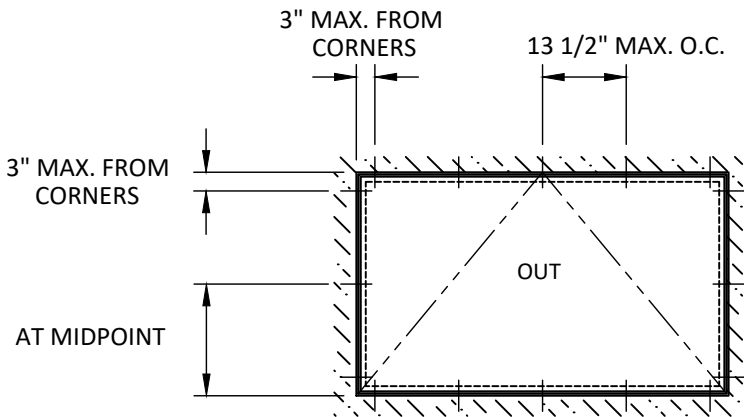
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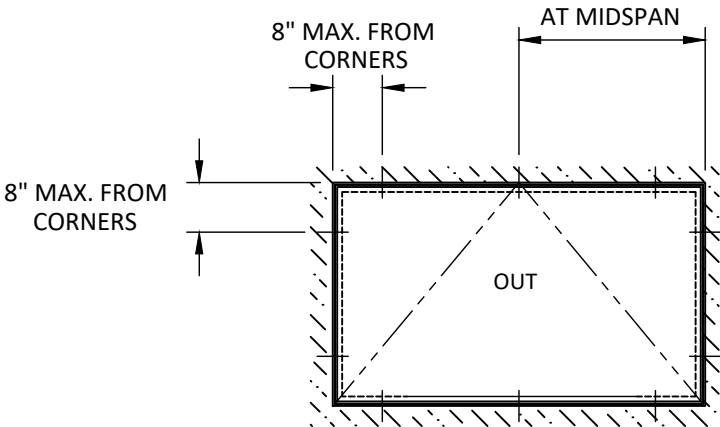


3) SHOULD DESIGN PRESSURES VARY BETWEEN THE APPROVED WALL SYSTEM AND PROJECT OUT, THE LESSER DESIGN PRESSURE SHALL GOVERN.

▽ -LOCK POINT



ANCHOR LAYOUT
FLAT FRAME



ANCHOR LAYOUT
POCKET FRAME

HARDWARE SCHEDULE

OPTION 1

MULTI POINT LOCK POINTS	
FRAME WIDTH	QTY OF LOCK POINTS REQUIRED
20" ≤ FW ≤ 33"	2
33.1" ≤ FW ≤ 60"	4

OPTION 2

CAM LOCKS	
FRAME WIDTH	QTY OF CAM LOCKS REQUIRED
12" ≤ FW ≤ 24"	*1
24.1" ≤ FW ≤ 42"	2
42.1" ≤ FW ≤ 60"	2

*FOR ONE CAM LOCK, PLACE AT MIDSPAN OF WINDOW JAMB

4 AND 5 BAR HINGES			
OPENING ANGLE MAX.	TYPE	PART NO.	FRAME SIZE
STANDARD MAXIMUM 20° OPENING	12"	4K-14207	FW ≤ 60" X FH ≤ 24"
STANDARD MAXIMUM 30° OPENING	16"	5K-15284	FW ≤ 60" X FH ≤ 36"
STANDARD MAXIMUM 30° OPENING	22"	4K-14209	FW ≤ 60" X FH ≤ 36"

SNUBBER SCHEDULE	
FRAME WIDTH	QTY OF SNUBBERS REQUIRED
12" ≤ FW ≤ 24"	*1
24.1" ≤ FW ≤ 42"	**2
42.1" ≤ FW ≤ 60"	3

*FOR ONE SNUBBER, PLACE AT MIDSPAN OF WINDOW JAMB
**FOR TWO SNUBBERS, PLACE AT WIDTH/4 FROM EA. CORNER.

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TITLE: YES SSG TUH ALUMINUM PROJECT OUT WINDOW (IMPACT)(HVHZ) ANCHOR LAYOUTS & HARDWARE SCHEDULE

PREPARED BY: BUILDING DROPS, INC.
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BD

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SILICONE DEPTH CHANGE	HR	11.29.17
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HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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

FL #:
FL17098

DATE: **08.16.18**

DWG. BY: **HR**CHK. BY: **HFN**

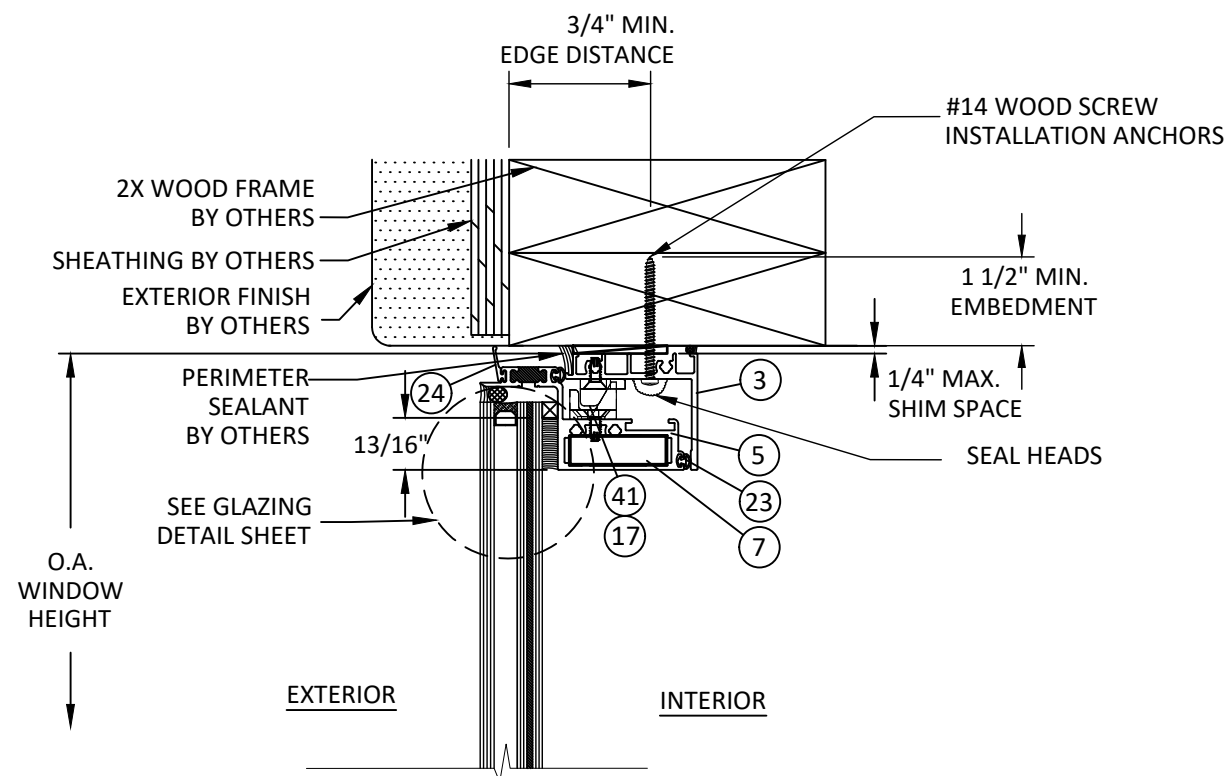
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DWG. #: **YKK037**

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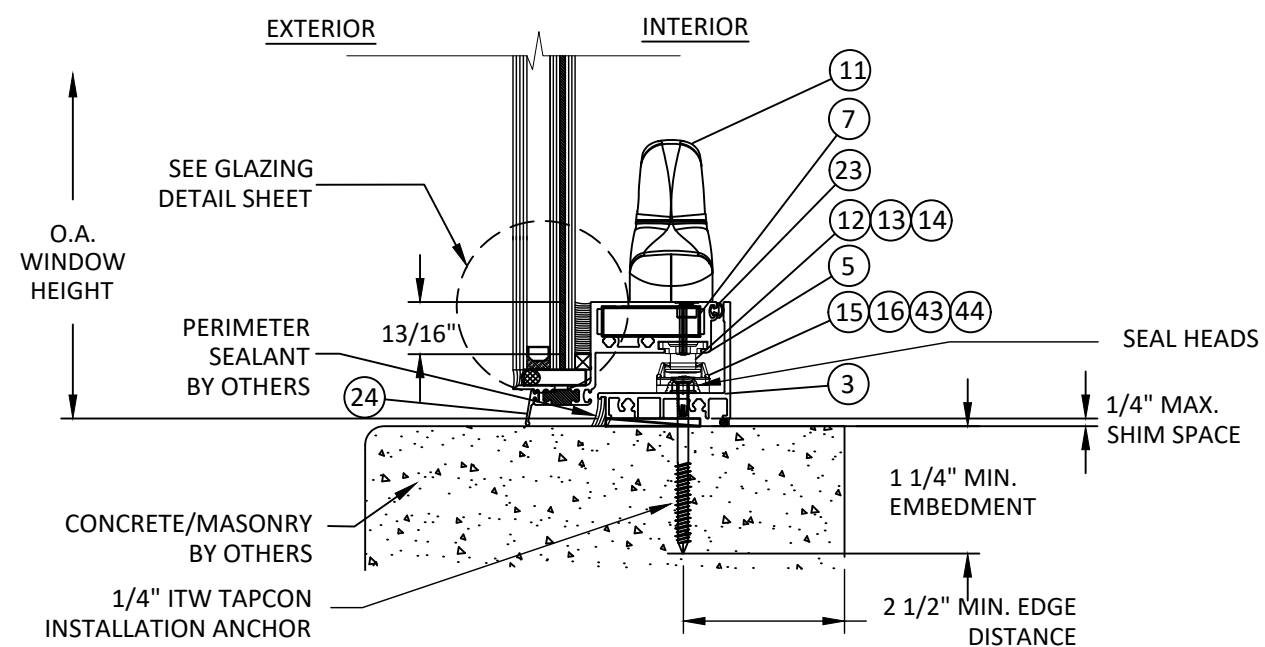
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B 4 VERTICAL SECTION

VENT HEAD - 2X WOOD FRAME FLAT FRAME

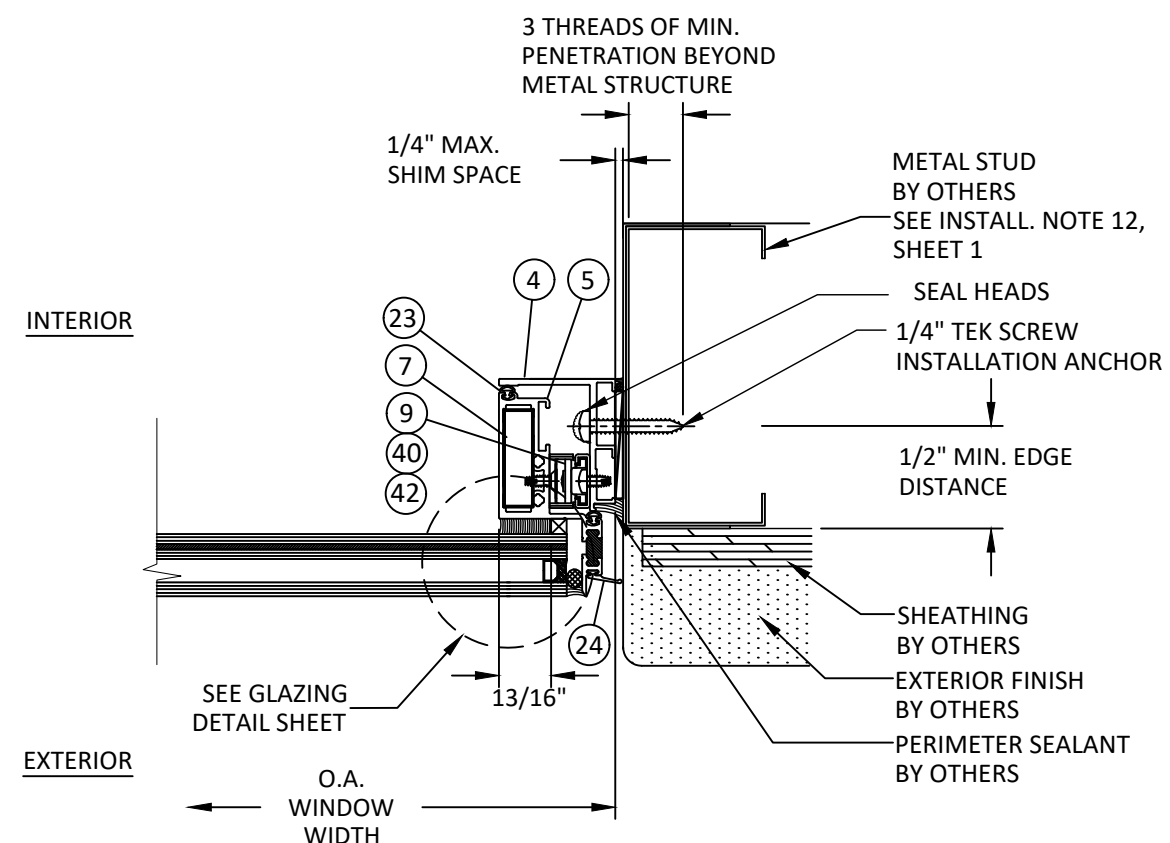


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VERTICAL SECTION

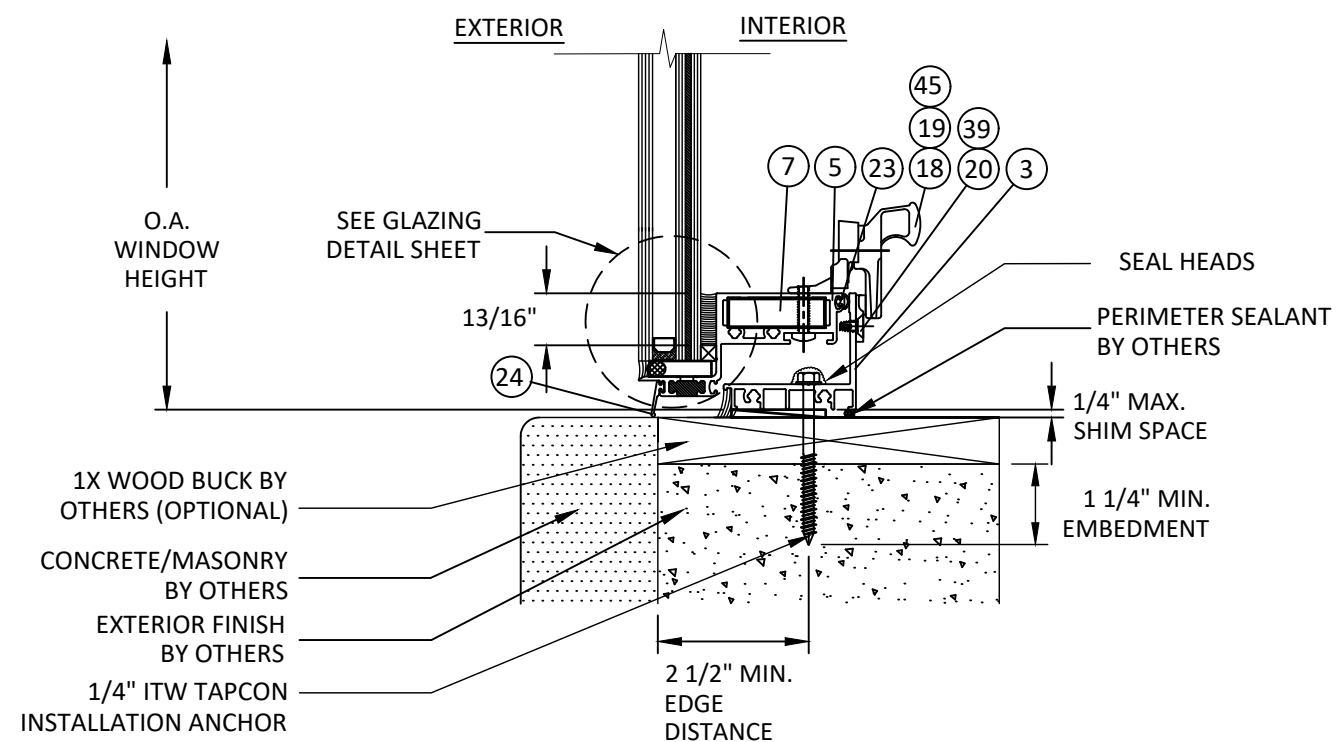
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**VENT SILL - CONCRETE/MASONRY
FLAT FRAME**



C HORIZONTAL SECTION

4 VENT JAMB - METAL STUD FRAME
FLAT FRAME



L
4

VERTICAL SECTION

VENT SILL - CONCRETE/MASONRY
FLAT FRAME - CAM LOCK - TYP.

NOTE: CAM LOCK MAY BE USED
WITH ANY FLAT FRAME OR
POCKET FRAME APPLICATION

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PROJECT OUT WINDOW
(IMPACT)(HVHZ)

FLAT FRAME INSTALLATION DETAILS

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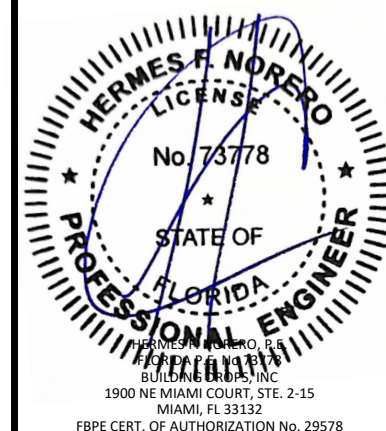


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HR

CHK. BY:
HFN

SCALE: NTS

DWG. #: YKK037

SHEET:

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4

OF 8

PREPARED BY:

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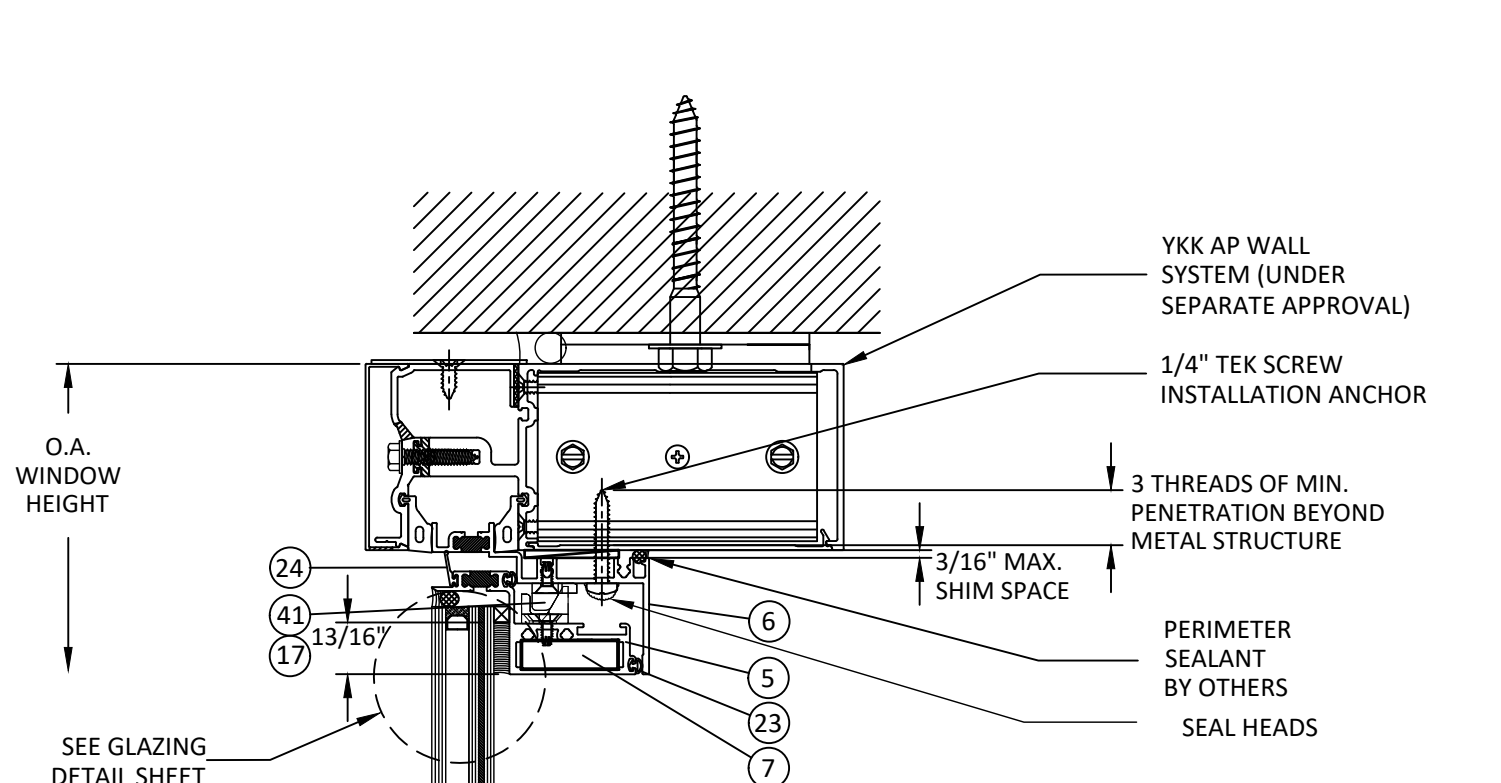


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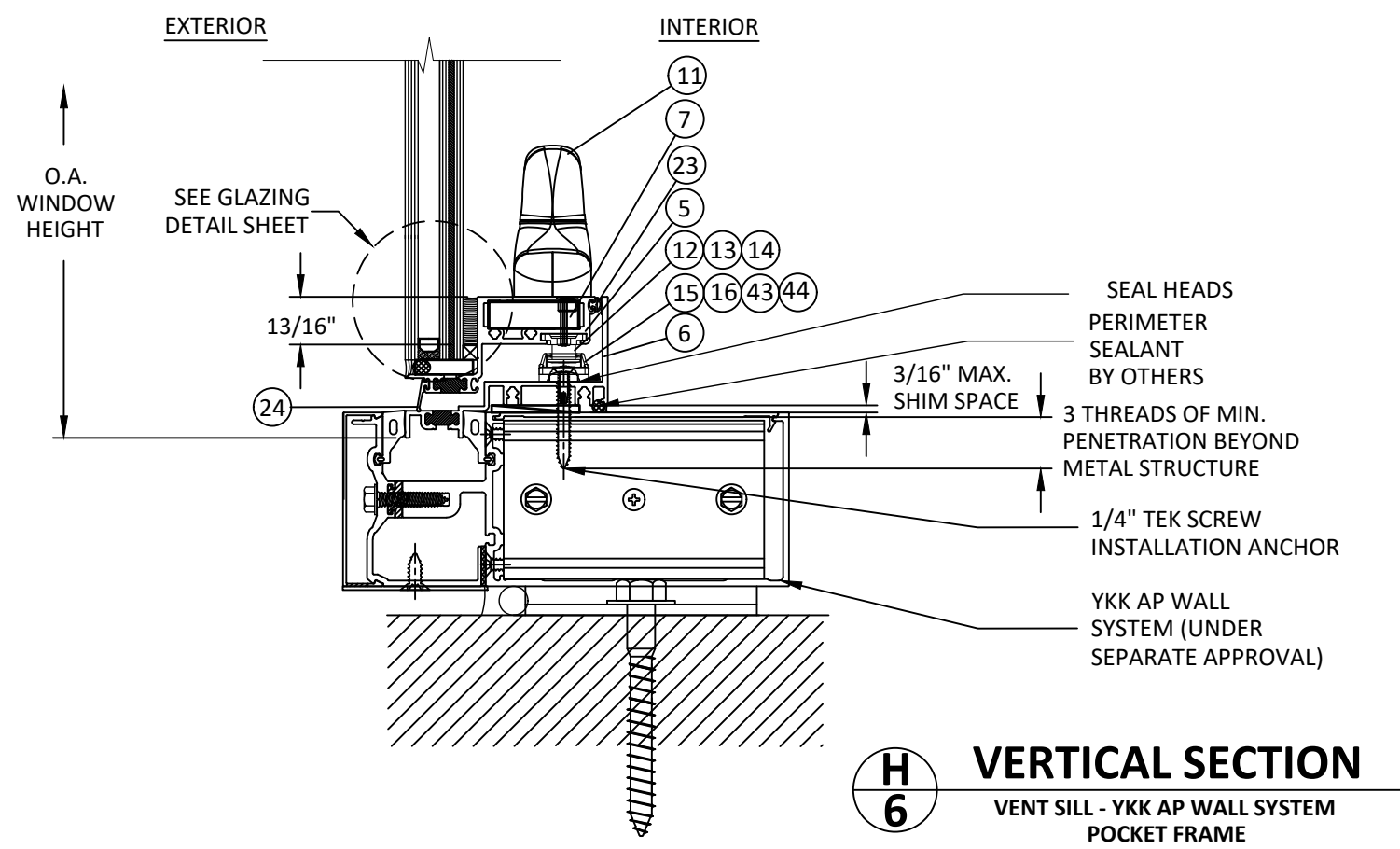
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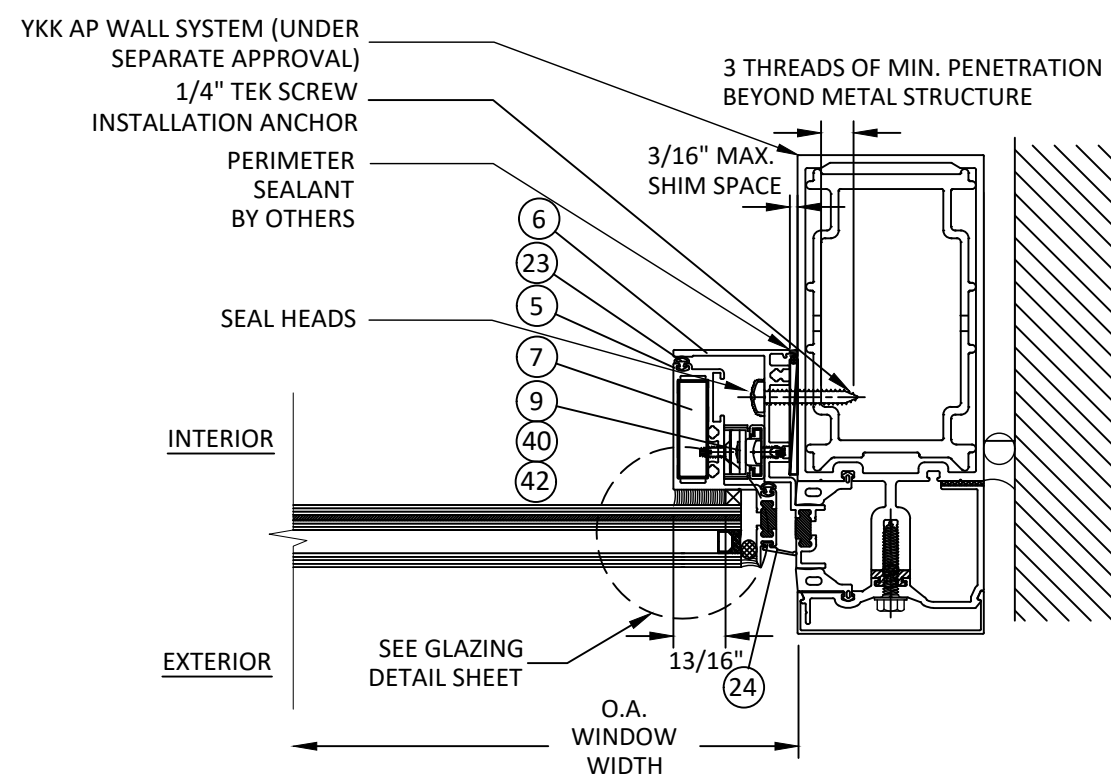
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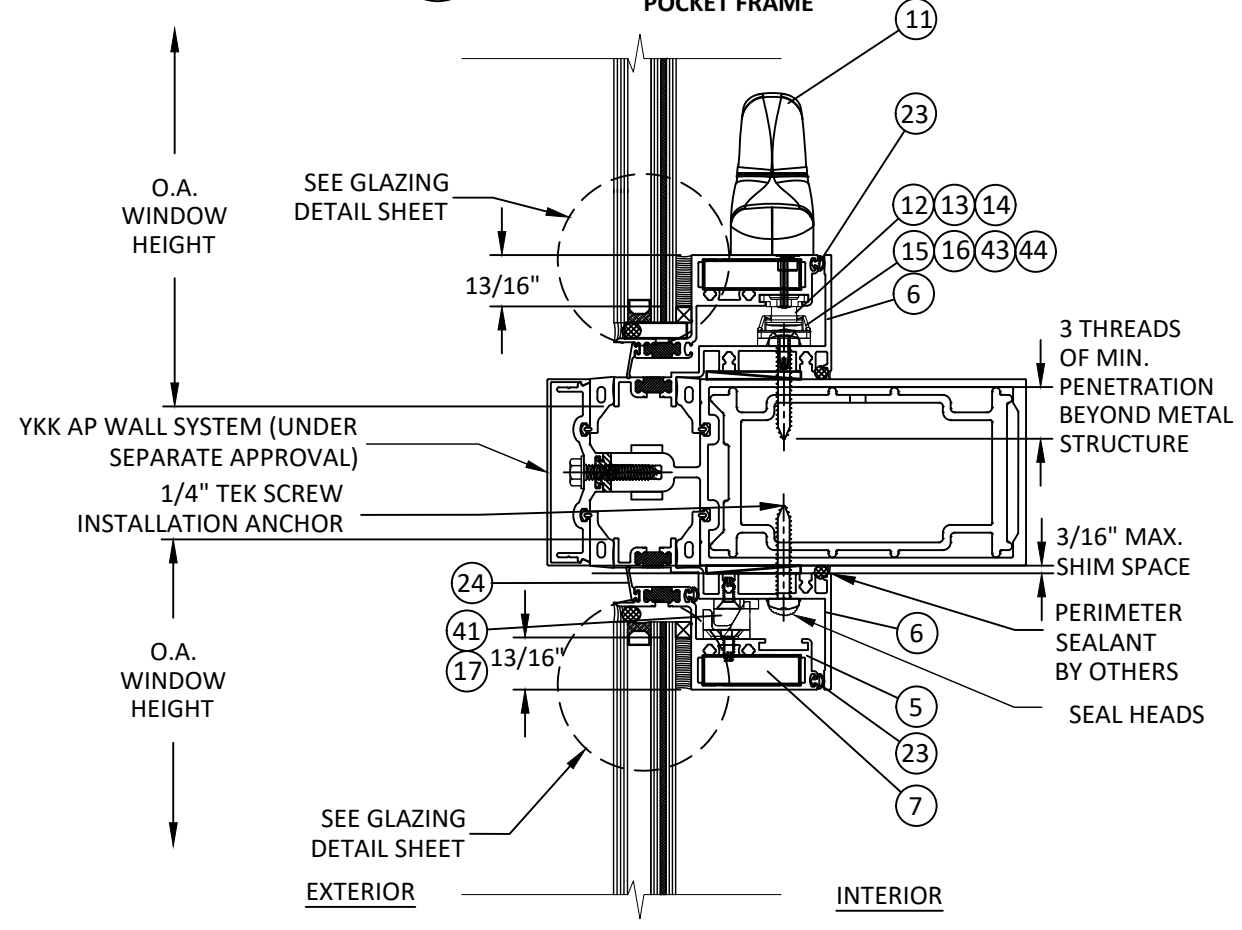
I
6 **VERTICAL SECTION**
VENT HEAD - YKK AP WALL SYSTEM
POCKET FRAME



H
6 **VERTICAL SECTION**
VENT SILL - YKK AP WALL SYSTEM
POCKET FRAME



J
6 **HORIZONTAL SECTION**
VENT JAMB - YKK AP WALL SYSTEM
POCKET FRAME



K
6 **VERTICAL SECTION**
VENT MULLION - YKK AP WALL SYSTEM
POCKET FRAME



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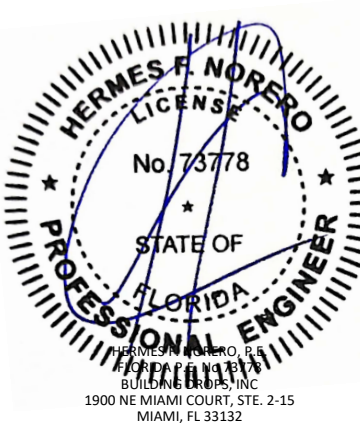
TITLE: YES SSG TUB ALUMINUM
PROJECT OUT WINDOW
(IMPACT)(HVHZ)
POCKET FRAME (CURTAIN WALL)
INSTALLATION DETAILS

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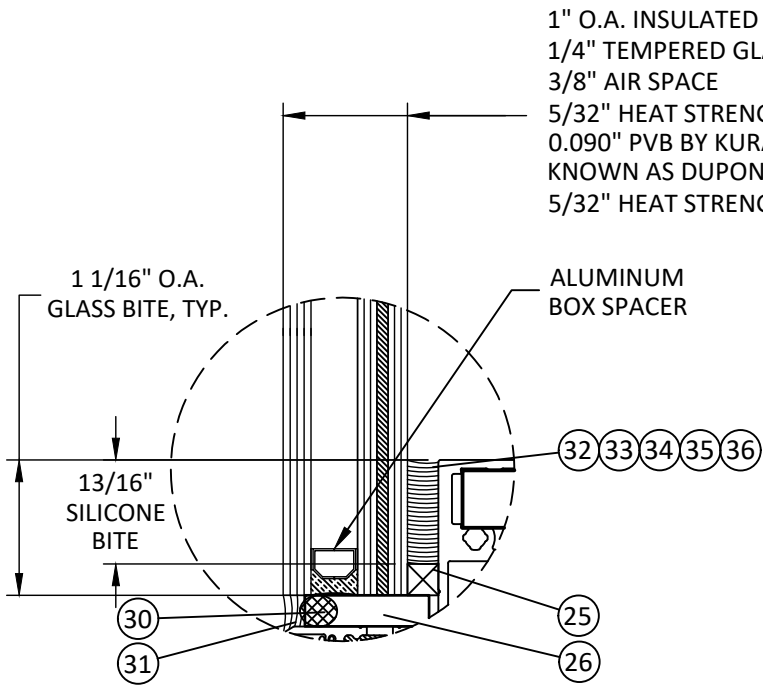


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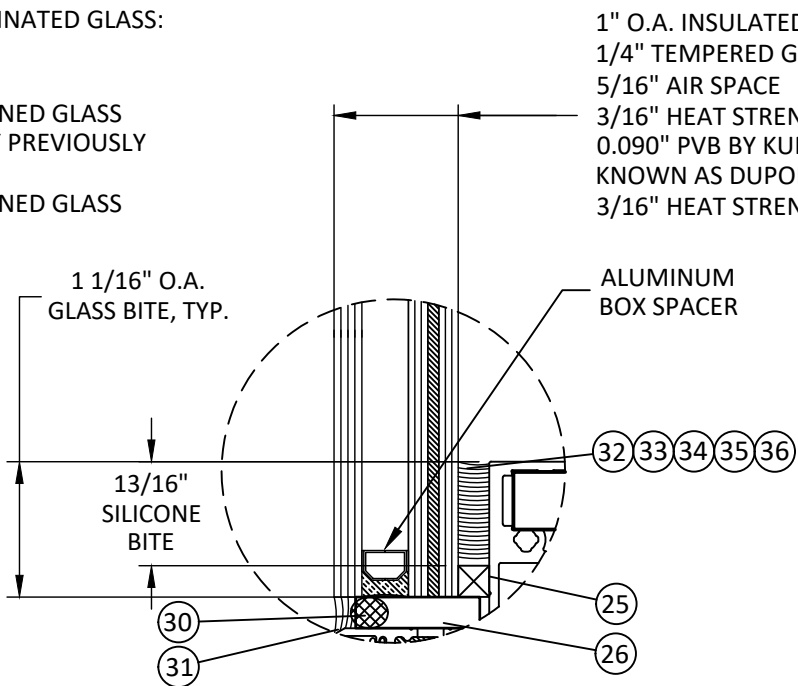
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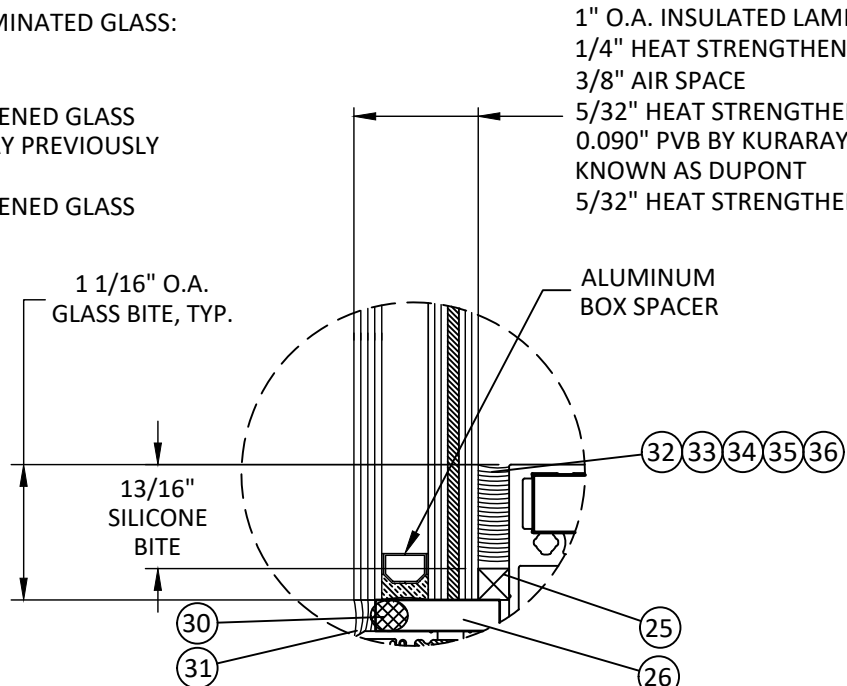
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GLAZING DETAIL 1

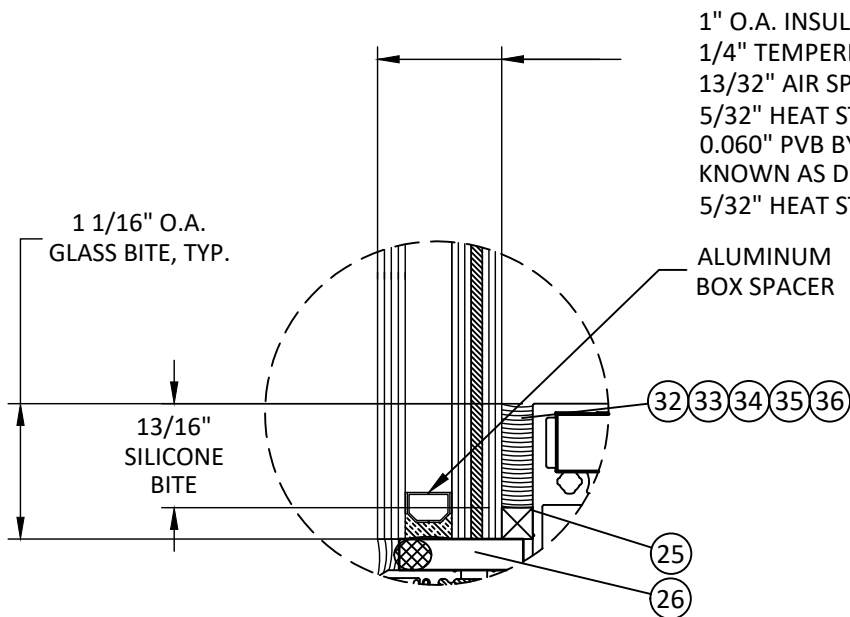


GLAZING DETAIL 3



GLAZING DETAIL 4

LARGE MISSILE IMPACT RATED



GLAZING DETAIL 2

SMALL MISSILE IMPACT RATED

GLAZING NOTES:

1. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAILS.
2. GLAZING SELECTION SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT FBC, CH.24.
3. GLASS SHALL BE SET WITH THE USE OF SETTING BLOCKS IN ACCORDANCE WITH CH.24 AS APPLICABLE.
4. GLAZING GASKETS WHEN IN USE WITH NON-STRUCTURALLY GLAZED ASSEMBLIES, SHALL MEET THE REQUIREMENTS OF CH.24
5. 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.
6. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
7. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
8. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLE ON SHEET 1.

AIR SPACE CONSISTING OF :

- SPACER: ALUMINUM BOX SPACER.
- PRIMARY SEALANT: POLYISOBUTYLENE (PIB).
- SECONDARY SEALANT: STRUCTURAL SILICONE INTENDED FOR FABRICATION OF INSULATING GLASS UNITS.



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(IMPACT)(HVHZ)
GLAZING DETAILS

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SHEET: **7** REV. **E**

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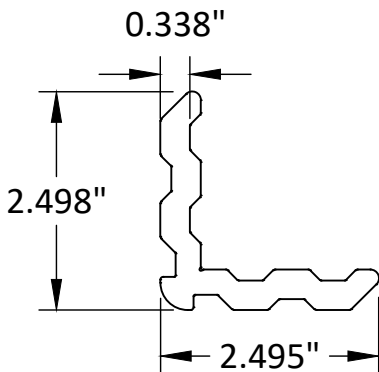
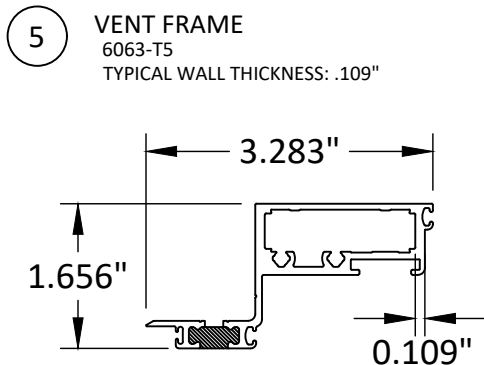
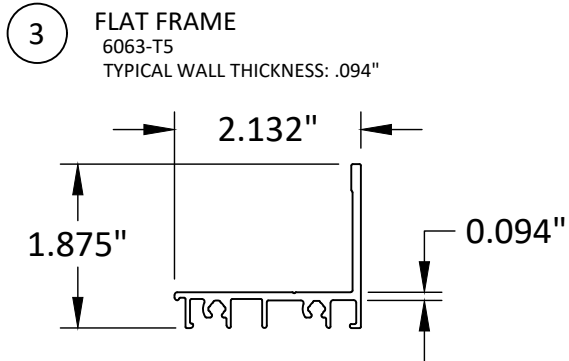
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YESSG TUH - BILL OF MATERIAL				
ITEM #	PART#	DESCRIPTION	MATERIAL	MANUFACTURER
1	YHS50 FI	APPROVED IMPACT STOREFRONT SYSTEM (FPA 14218)		YKK AP
2	YHC300 OG	APPROVED IMPACT CURTAIN WALL SYSTEM (FPA 13433)		
3	E9-4129	FLAT FRAME	6063-T5	YKK AP
4	E9-4130	FLAT FRAME	6063-T5	YKK AP
5	BE9-4132	VENT FRAME	6063-T5	YKK AP
6	BE9-4131	POCKET FRAME	6063-T5	YKK AP
7	E1-1950	CORNER BLOCK X 1.565"	6063-T5	YKK AP
8				
9A	4K-14207	12" 4 BAR HINGE (FOR CO & PO)	STAINLESS STEEL	YKK AP
9B	4K-14208	16" 4 BAR HINGE (FOR CO)	STAINLESS STEEL	YKK AP
9C	5K-15284	16" 5 BAR HINGE (FOR PO)	STAINLESS STEEL	YKK AP
9D	4K-14209	22" 4 BAR HINGE (FOR PO)	STAINLESS STEEL	YKK AP
10				
11	H -1903	LOCK HANDLE ASSEMBLY - RH	ZAMACK/PP	AMC/CALDWELL OR EQUAL
12	H -1902	HANDLE CONNECTOR ASSEMBLY	ZAMACK/SS	AMC/CALDWELL OR EQUAL
13	E1 -1836	LOCK PLATES	STAINLESS STEEL	AMC/CALDWELL OR EQUAL
14	E3 -1201	CONNECTING BAR	POLYAMIDE	TECHNOFORM OR EQUAL
15	E1-1953	1/8" SHIM	PVC	AMC/CALDWELL OR EQUAL
16	E1-1952	INTERLOCK KEEPER	CAST STAINLESS	AMC/CALDWELL OR EQUAL
17	H-1901	HP SNUBBER KIT	6063-T5	AMC/CALDWELL OR EQUAL
18	E1-1577	CAM HANDLE (R)	WHITE BRONZE	BRONZECRAFT OR EQUAL
19	E1-1578	CAM HANDLE (L)	WHITE BRONZE	BRONZECRAFT OR EQUAL
20	E1-1579	KEEPER	WHITE BRONZE	BRONZECRAFT OR EQUAL
21	E1-1525	GUIDE RAMP	6063-T5	YKK AP
22	K1-8522	GUIDE ROLLER	STAINLESS/POM	YKK AP
23	E2-0625	AT GASKET	SANTOPRENE	YKK AP
24	E2-0269	WEATHERSEAL	EPDM	TREMCO OR EQUAL
25	E2-0110	SPACER TAPE - 1/4" X 1/4"	URETHANE FOAM	TREMCO OR EQUAL
26	E2-0704PC	SETTING BLOCK	EPDM PC	TREMCO OR EQUAL
27				
28	IMPACT GLASS	LMI IG GLASS	GLASS/0.090 PVB	VIRACON OR EQUAL
29	IMPACT GLASS	SMI IG GLASS	GLASS/0.060 PVB	VIRACON OR EQUAL
30		3/8" DIA. BACKER ROD	OPEN CELL FOAM	CRL OR EQUAL
31		WEATHERSEAL SILICONE		TREMCO OR EQUAL
32		PROGLAZE II - STRUCTURAL SILICONE		TREMCO
33		DOW 983 - STRUCTURAL SILICONE		DOW
34		SPECTRUM II - STURCTURAL SILICONE		TREMCO
35		DOW 995 - STURCTURAL SILICONE		DOW
36		PECORA 895NST - STURCTURAL SILICONE		PECORA
37	FF0808-SS	#8-32 X 1/2" FLAT HEAD T/F (GUIDE RAMP)	STAINLESS STEEL	
38	PF0808-SS	#8-32 X 1/2" PAN HEAD T/F (GUIDE ROLLER)	STAINLESS STEEL	
39	FF1006-SS	#10-24 X 3/8" FLAT HEAD T/F (E1-1579 KEEPER)	STAINLESS STEEL	
40	UF1006-SS	#10-24 X 3/8" UC FLAT HEAD T/F (4 BAR HINGE TO VENT)	STAINLESS STEEL	
41	FF1008-SS	#10-24 X 1/2" FLAT HEAD T/F (HP SNUBBER)	STAINLESS STEEL	
42	PF1008-SS	#10-24 X 1/2" PAN HEAD T/F (4 BAR HINGE TO FRAME)	STAINLESS STEEL	
43	FF1010-SS	#10-24 X 5/8" FLAT HEAD T/F (E1-1952 KEEPER)	STAINLESS STEEL	
44	FS1010-SS	#10-24 X 5/8" FLAT HEAD TEK (E1-1952 KEEPER LOCK DOWN)	STAINLESS STEEL	
45	PM1012-SS	#10-24 X 3/4" PAN HEAD MS (E1-1577 & 78 CAM HANDLE))	STAINLESS STEEL	
46	PC1016-SS	#10 X 1" PAN HEAD SMS T/AB (FLAT FRAME ASS'Y)	STAINLESS STEEL	
47	PC1024-SS	#10 X 1 1/2" PAN HEAD SMS T/AB (POCKET& VENT FRAME ASS'Y)	STAINLESS STEEL	
48				
49		#14 x 1 1/2" PAN HEAD SMS OR 1/4" X 1 1/2" TEK SCREW		
50		1/4" X 2 3/4" HEX HEAD TAPCON		
51		1/4" X 4" FLAT HEAD TAPCON		
52		1/2" X 3 1/2" HEX HEAD LAG SCREW		

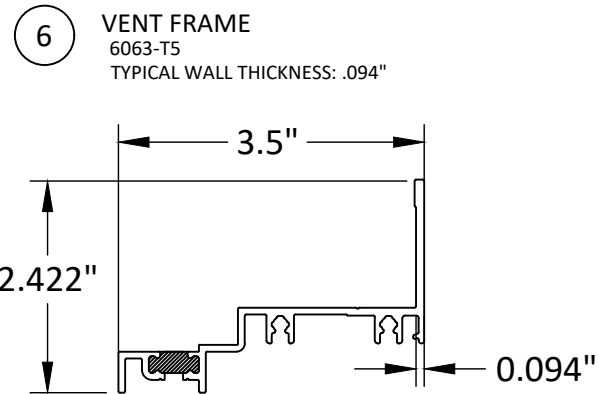
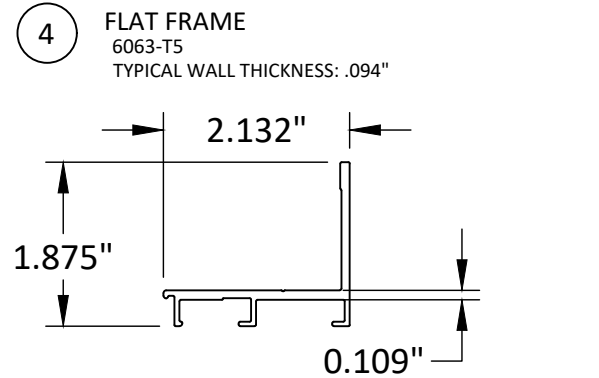
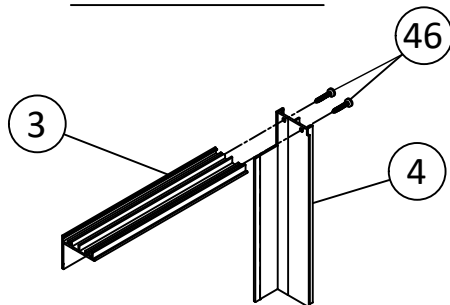
NOTES:

1) CAM LOCK HANDLES MAY UTILIZE OPTIONAL POLE RING OR CUSTODIAL TYPE HANDLES.

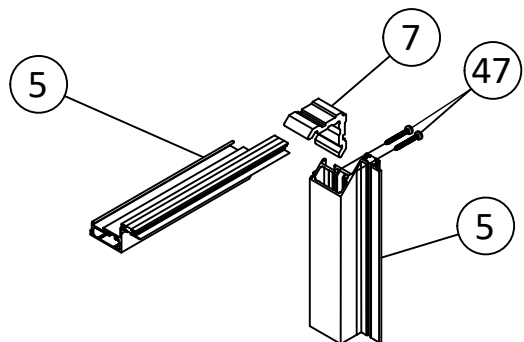
2) PROJECT OUT WINDOWS MAY UTILIZE OPTIONAL ROTO-OPERATOR HARDWARE IN CONJUNCTION WITH CAM LOCKS ONLY.



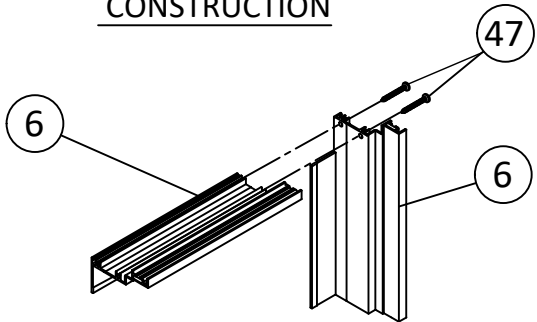
FLAT FRAME CORNER
CONSTRUCTION



VENT CORNER CONSTRUCTION



POCKET FRAME CORNER
CONSTRUCTION



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Quality
inspires™

YKK AP America Inc.

101 MARIETTA STREET NW, SUITE 2100
ATLANTA, GA 30303

PH: (478)277-1955 FAX: (678)838-6001

TITLE:
YES SSG TUH ALUMINUM
PROJECT OUT WINDOW
(IMPACT)(HVHZ)
BILL OF MATERIALS
AND COMPONENTS

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

BUILDING DROPS

BUILDING DROPS

HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.

BUILDING DROPS, INC.

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

FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL17098

DATE:

08.16.18

DWG. BY:

HR

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

YKK037

SHEET:

8

REV.

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OF 8