

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 1/4 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 TEK SCREWS OR 1/4 INCH DIAMETER SMS 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 20 GA. WALL THICKNESS.

E. ALUMINUM - MINIMUM 1/16 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), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

TAS 201-94

TAS 202-94

TAS 203-94

ASTM E 1886-13a

ASTM E 1996-17
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.
6. WINDOW FRAME MATERIAL: ALUMINUM 6063-T5
7. 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.
8. GLASS MEETS REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAILS.

YKK AP America Inc.

YES SSG TUH ALUMINUM CASEMENT WINDOW (IMPACT) (HVHZ)

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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	36" X 60"	+80/-80 PSF	LMI	OPTION 1
G2	36" X 60"	+80/-80 PSF	SMI	OPTION 1
G1, G3, G4	36" X 60"	+65/-65 PSF	LMI	OPTION 2
G2	36" X 60"	+65/-65 PSF	SMI	OPTION 2

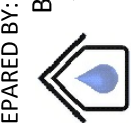
NOTE:
1. LMI - LARGE MISSILE IMPACT RATED
2. SMI - SMALL MISSILE IMPACT RATED
3. SEE SHEET 7 FOR GLAZING DETAILS
4. HARDWARE OPTIONS FOUND ON SHEET 3.



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1229 HWY 441 BYPASS
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TITLE: YES SSG TUH ALUMINUM CASEMENT WINDOW (IMPACT)(HVHZ)

INSTALLATION & GENERAL NOTES



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REMARKS	BY	DATE

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Reason: I am approving this document
Date: 2020.07.27 00:40:19 -0400



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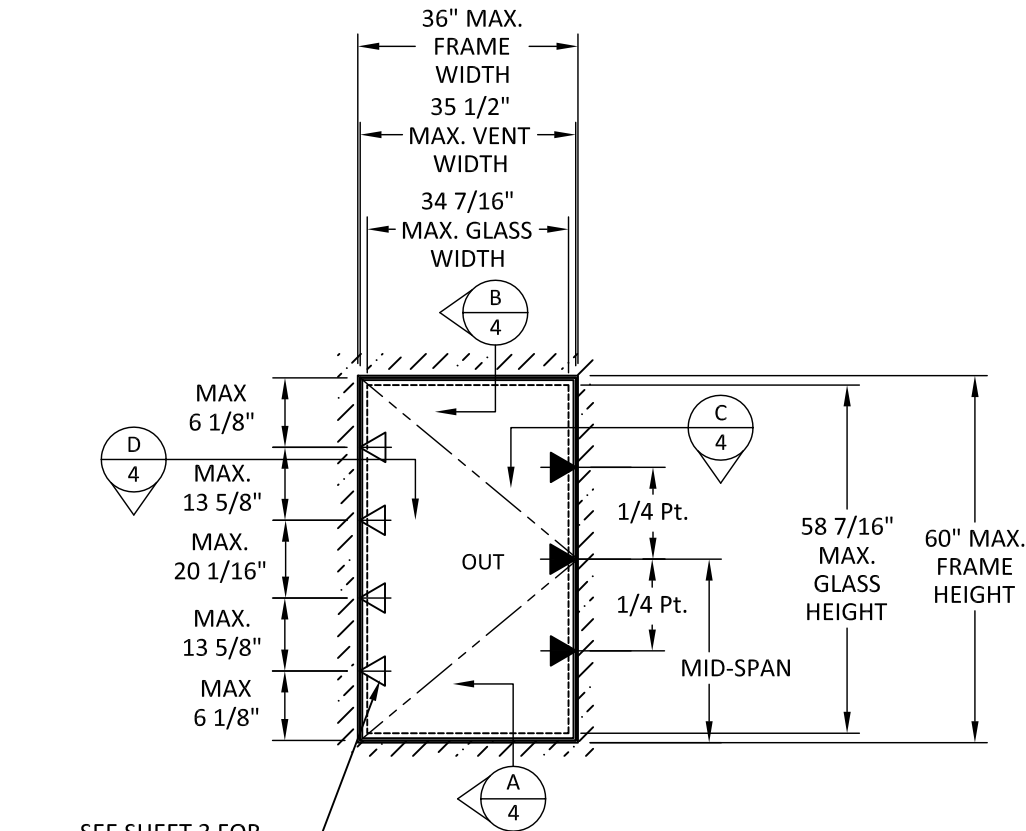
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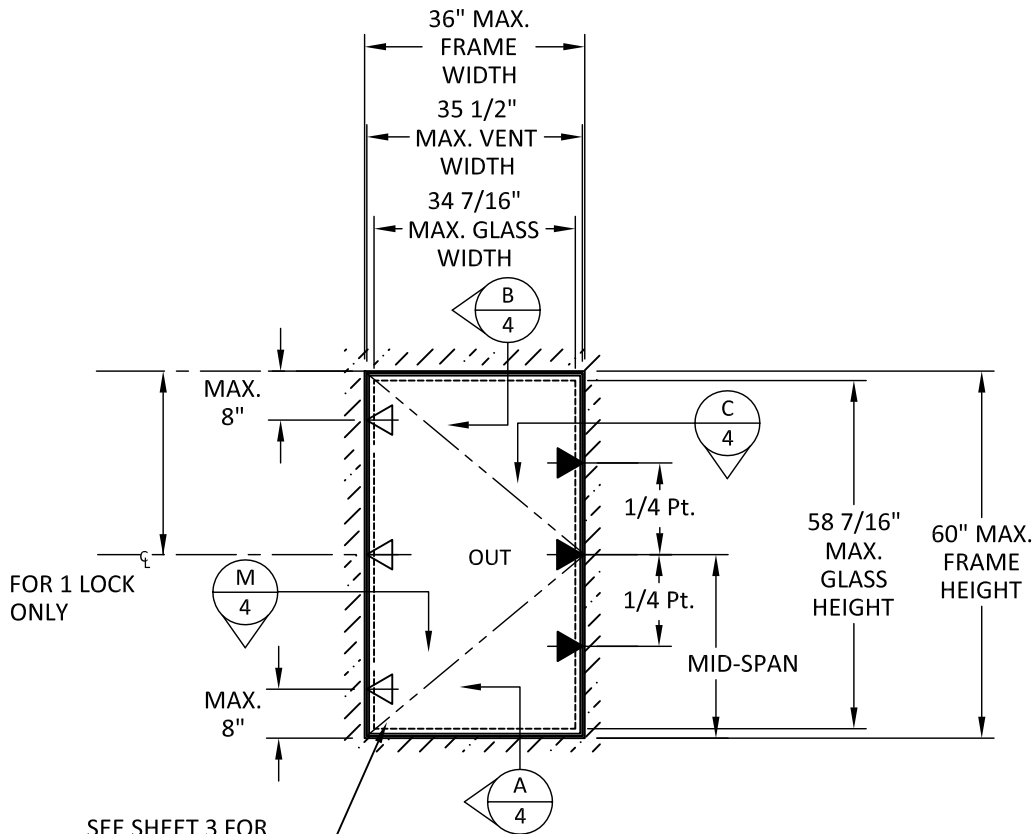
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1 OF 8



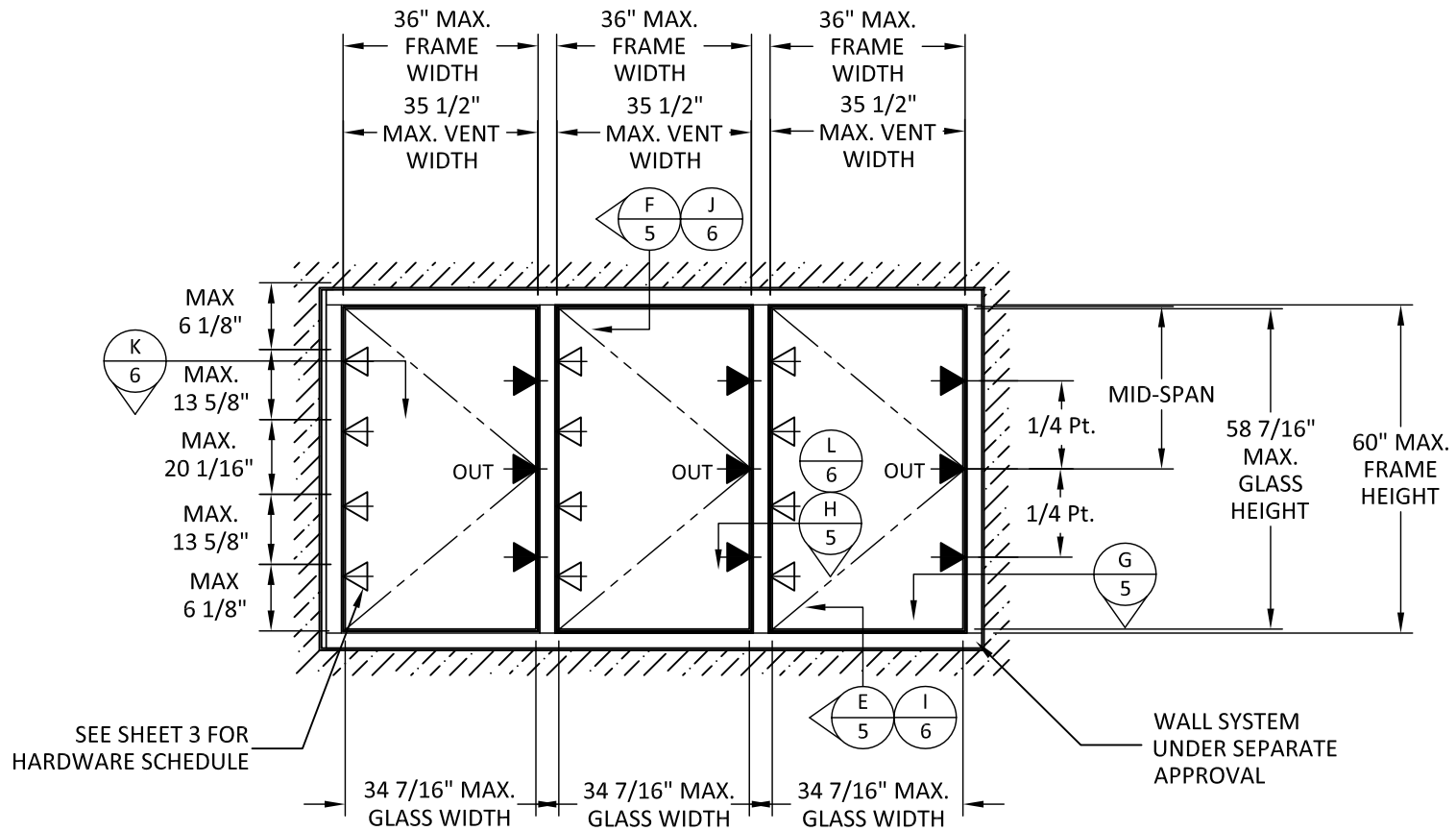
SEE SHEET 3 FOR
HARDWARE SCHEDULE

ELEVATION MULTI-POINT LOCK



SEE SHEET 3 FOR
HARDWARE SCHEDULE

ELEVATION CAM LOCK



SEE SHEET 3 FOR
HARDWARE SCHEDULE

WALL SYSTEM
UNDER SEPARATE
APPROVAL

ELEVATION TYPICAL STOREFRONT/WALL

- ▶ -SNUBBER
- ▷ -LOCK POINT

- NOTE:
- 1) YES SSG TUH CASEMENT WINDOWS, FLAT FRAME OR POCKET FRAME, MAY BE USED WITHIN ANY IMPACT APPROVED WALL SYSTEM AS LISTED IN THE FLORIDA PRODUCT APPROVAL IN VARIOUS CONFIGURATIONS SUCH THAT MAXIMUM FRAME SIZE IS NOT EXCEEDED.
 - 2) MAXIMUM DAYLIGHT OPENING OF APPROVED WALL SYSTEM SHALL NOT BE EXCEEDED.
 - 3) SHOULD DESIGN PRESSURES VARY BETWEEN THE APPROVED WALL SYSTEM AND CASEMENT, THE LESSER DESIGN PRESSURE SHALL GOVERN.



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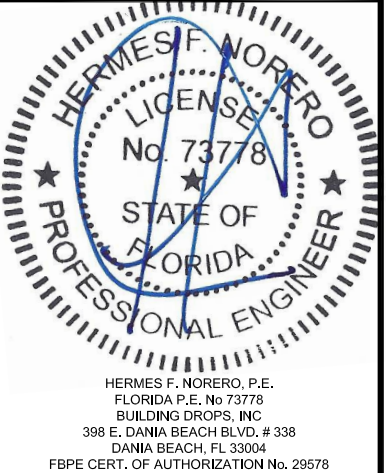
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CASEMENT WINDOW
(IMPACT)(HVHZ)
ELEVATIONS

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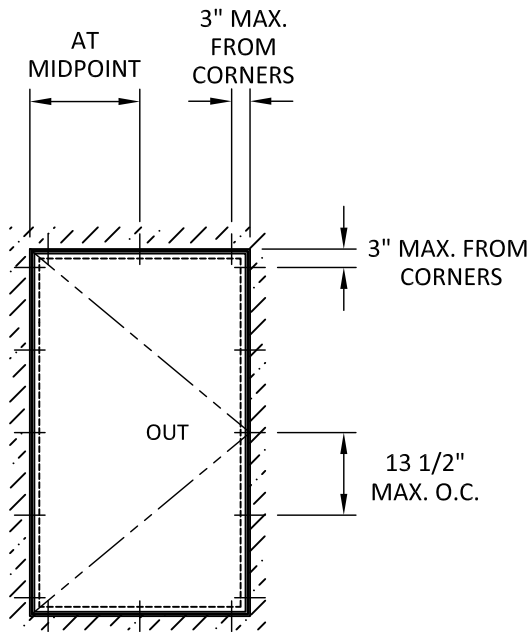
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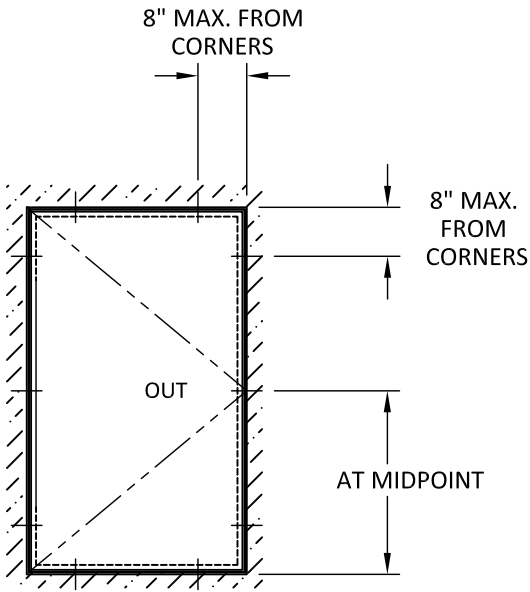
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DWG. #: **YKK036**

SHEET:
2 OF 8



ANCHOR LAYOUT
FLAT FRAME



ANCHOR LAYOUT
POCKET FRAME

HARDWARE SCHEDULE

OPTION 1

MULTI POINT LOCK POINTS	
FRAME HEIGHT	QUANTITY OF LOCK POINTS REQUIRED
20" ≤ FH ≤ 30"	2
30.1" ≤ FH ≤ 46"	3
46.1" ≤ FH ≤ 60"	4

OPTION 2

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

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

4 BAR HINGE

TYPE	PART NO.	FRAME WIDTH	OPENING ANGLE MAX
12"	4K-14207	FW ≤ 24"	90°
16"	4K-14208	FW > 24"	*90°

*SEE MAX. WINDOW SIZE LIMITS

SNUBBER SCHEDULE

FRAME HEIGHT	QTY OF SNUBBERS REQUIRED
12" ≤ FH ≤ 24"	*1
24.1" ≤ FH ≤ 42"	**2
42.1" ≤ FH ≤ 60"	3

*FOR ONE SNUBBER, PLACE AT MIDSPAN OF WINDOW JAMB

**FOR TWO SNUBBERS, PLACE AT HEIGHT/4 FROM EA. CORNER.



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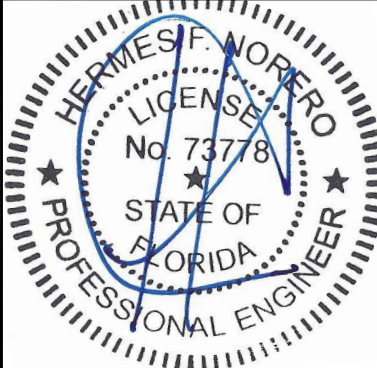
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CASEMENT WINDOW
(IMPACT)(HVHZ)
ANCHOR LAYOUTS &
HARDWARE SCHEDULE

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CHK. BY: HFN

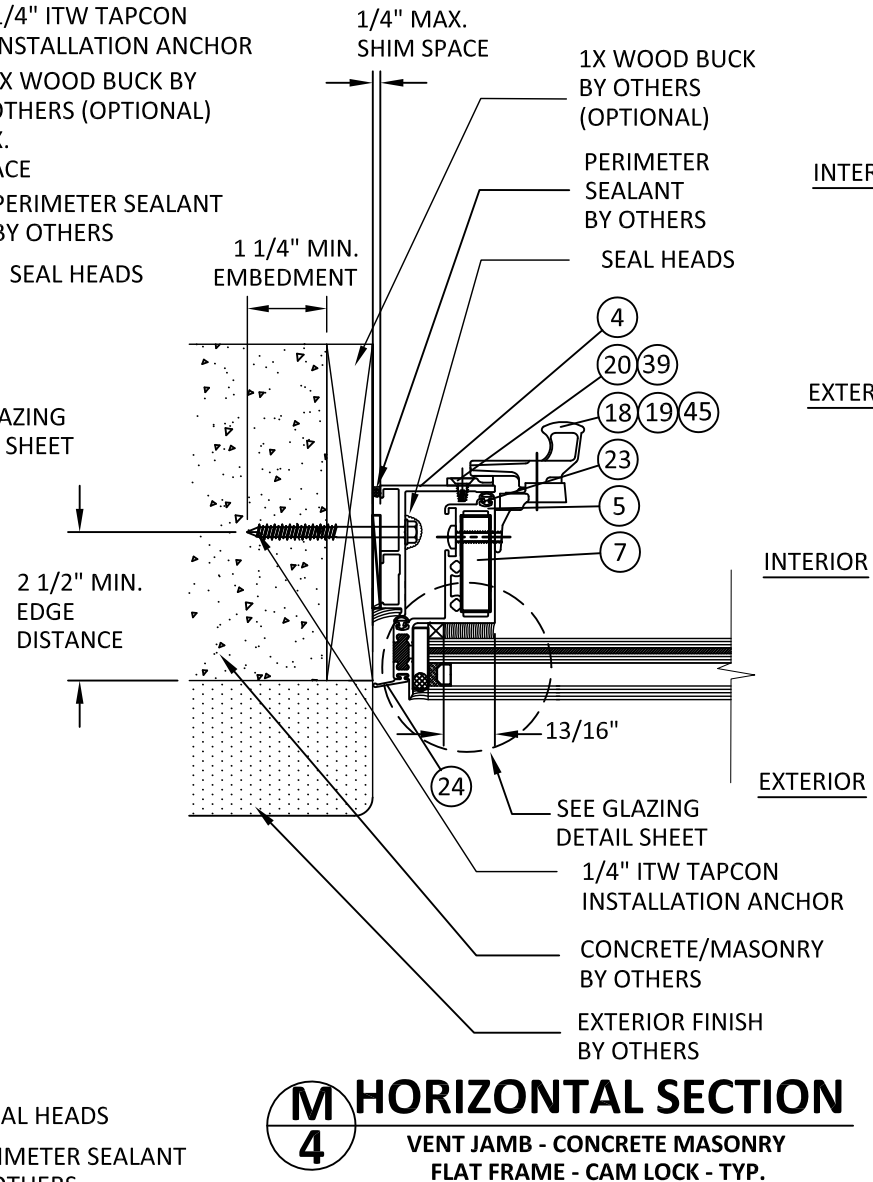
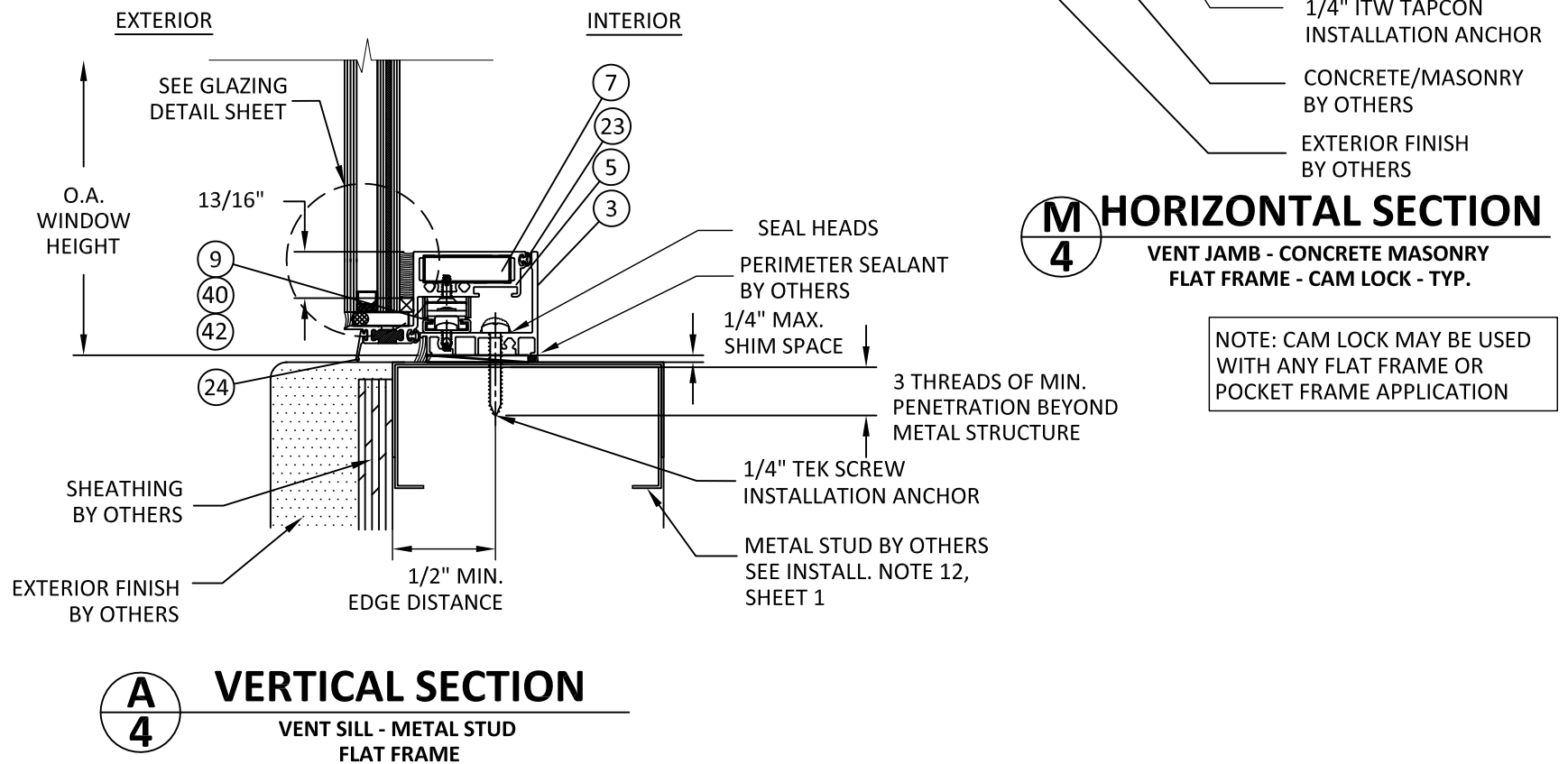
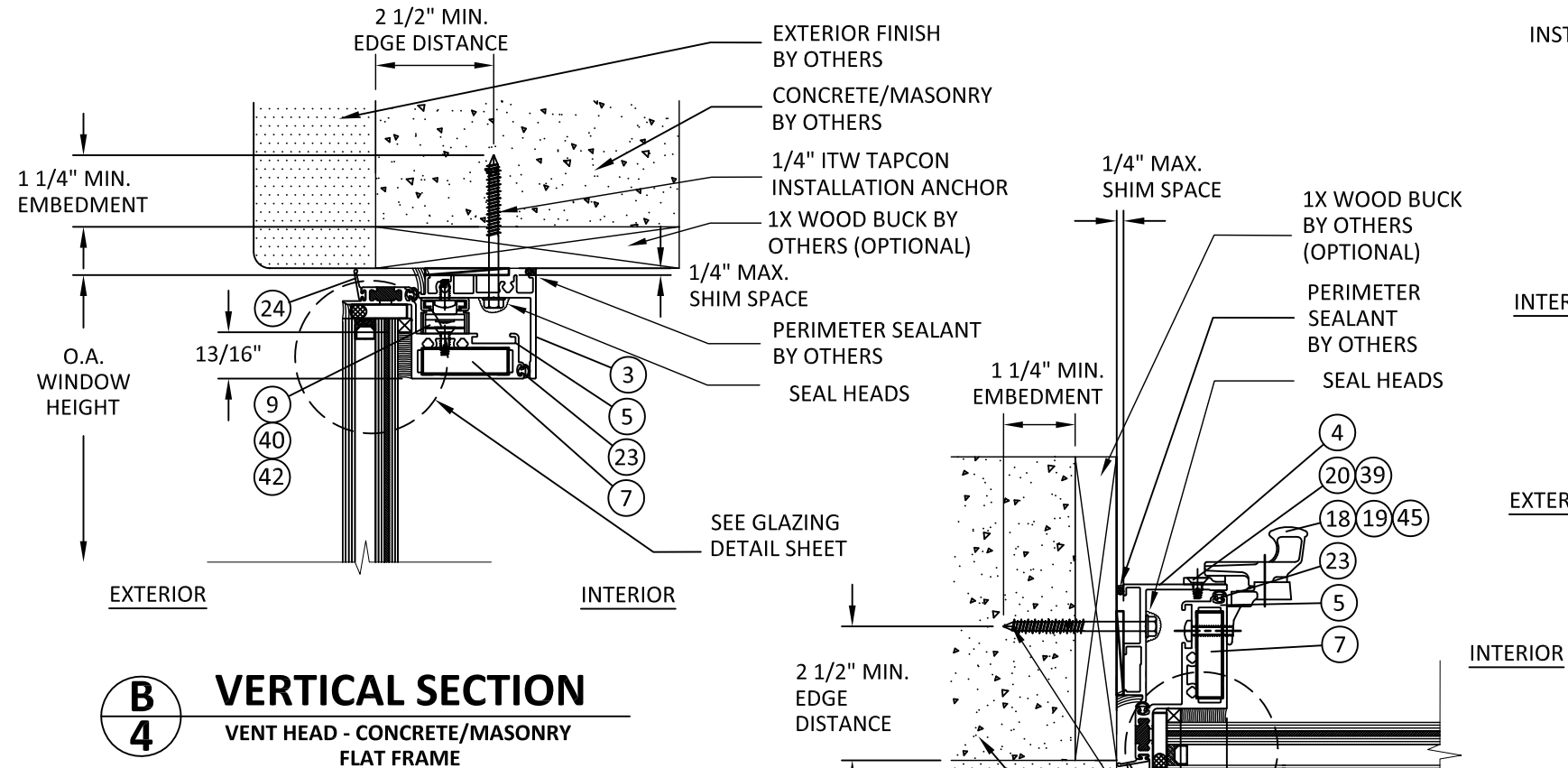
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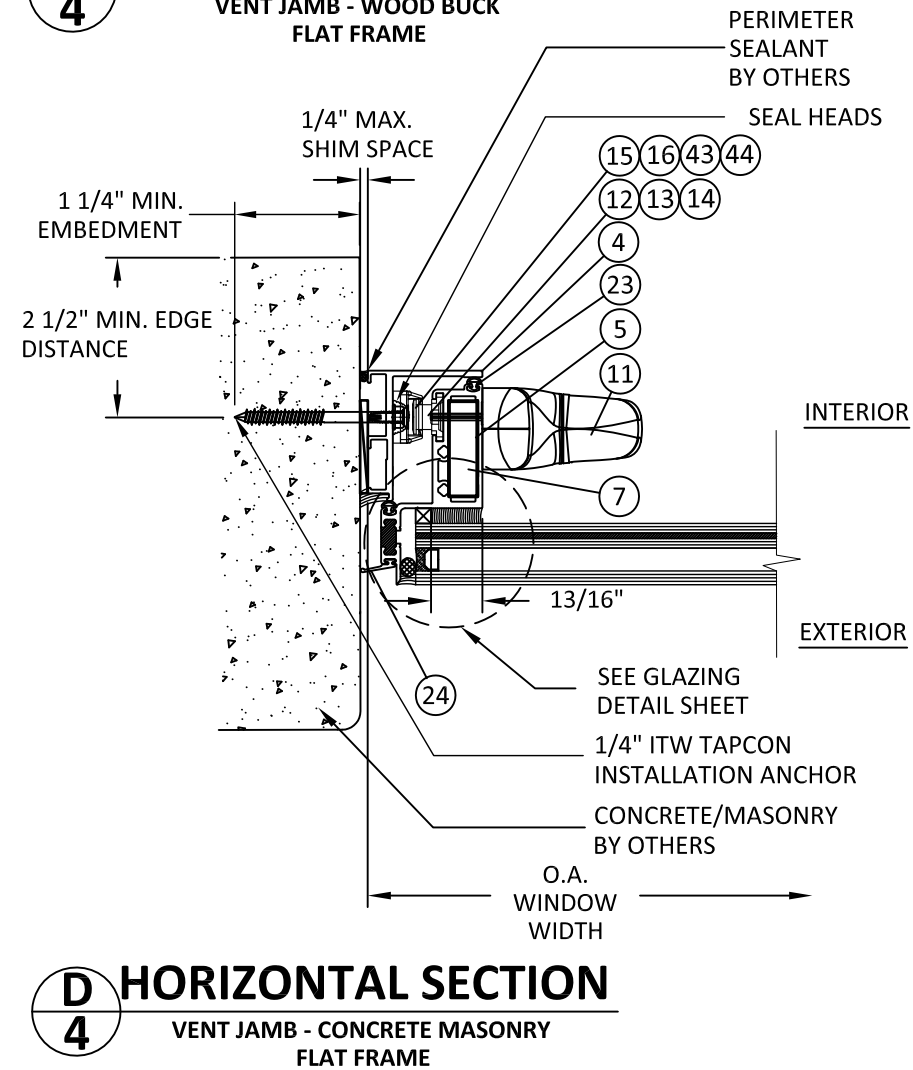
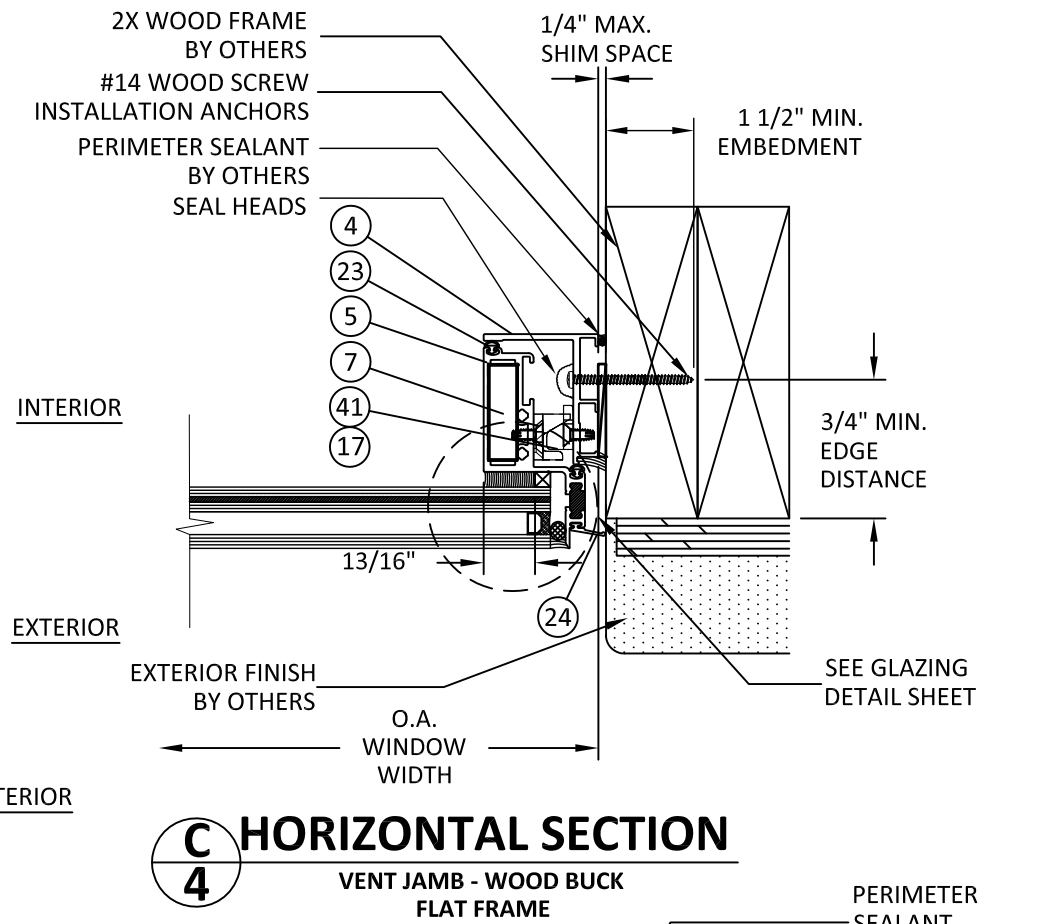
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OF 8



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



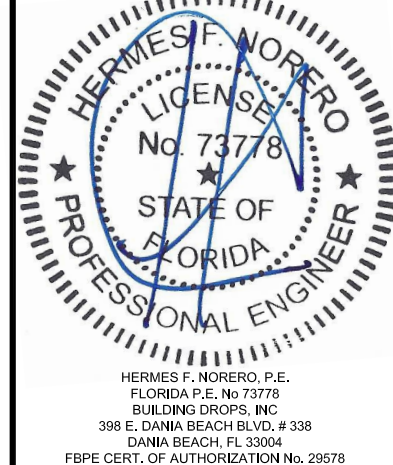
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CASEMENT WINDOW
(IMPACT)(HVHZ)
FLAT FRAME
INSTALLATION DETAILS

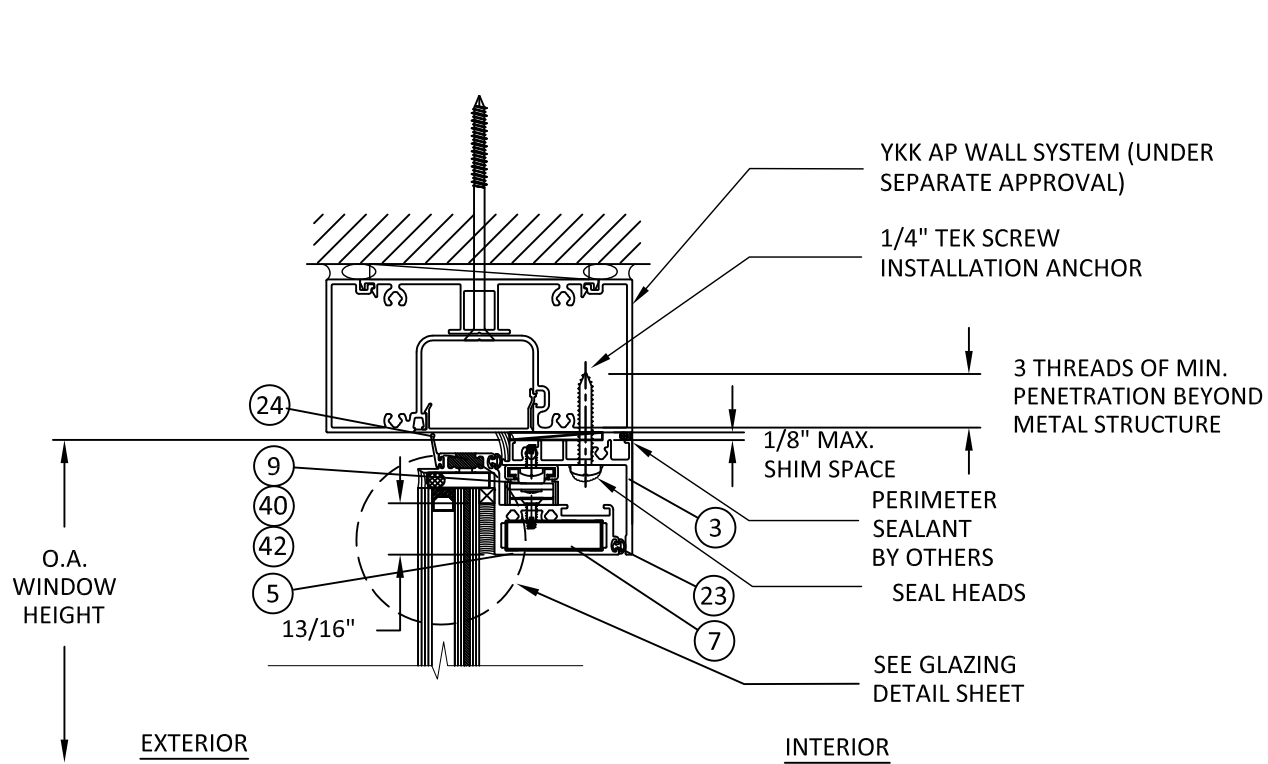
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REMARKS	BY	DATE
FLAT FRAME CHANGED	HR	11/29/17
SILICONE DEPTH CHANGED	HR	11/29/17

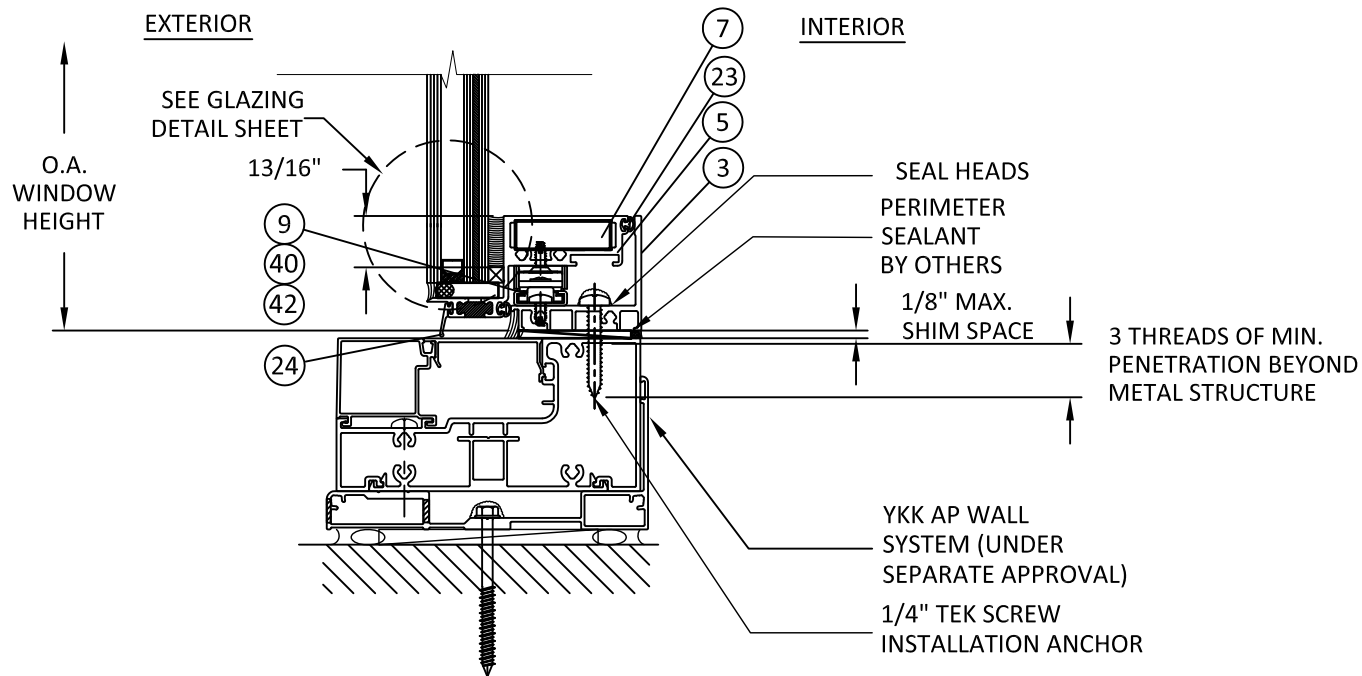
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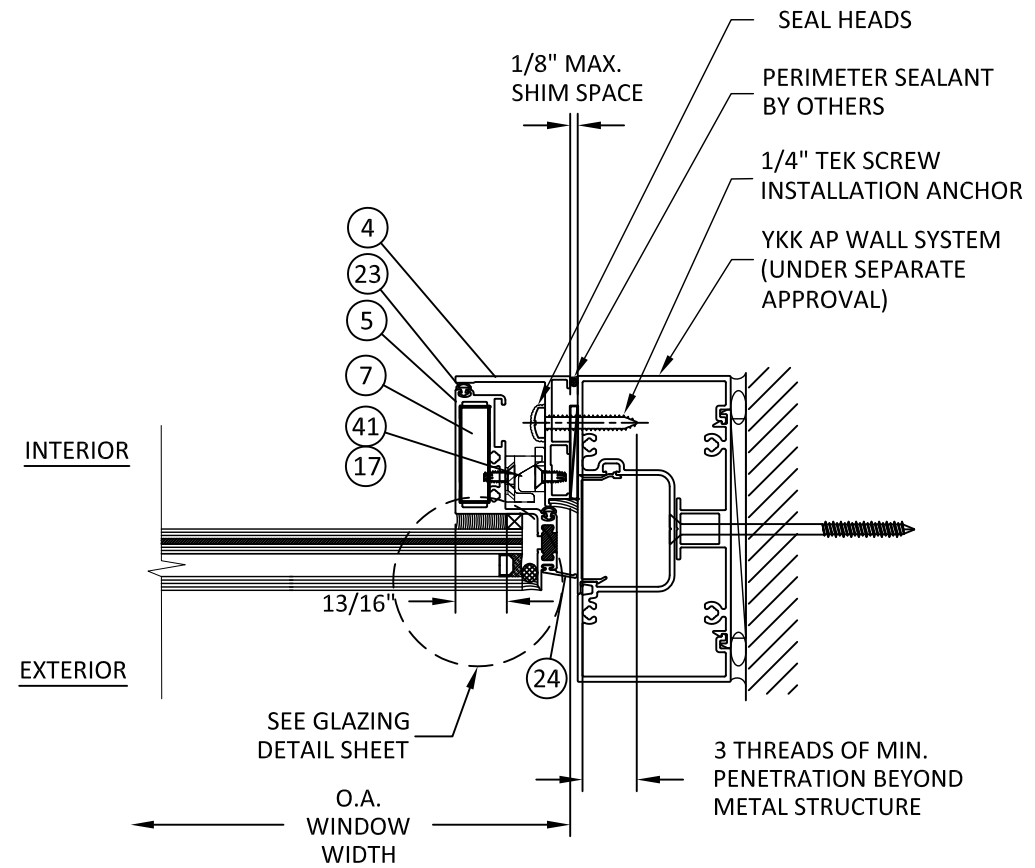
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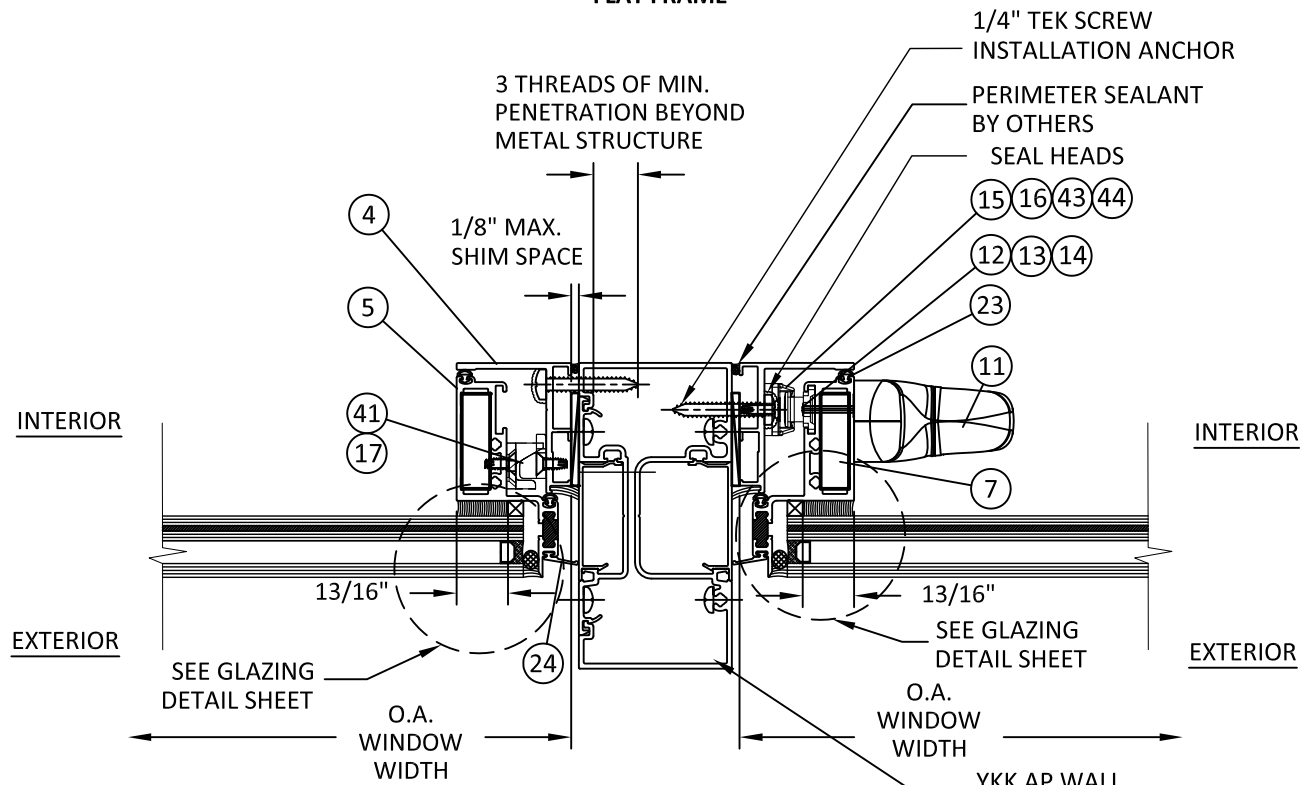
F
5 **VERTICAL SECTION**
VENT HEAD - YKK AP WALL SYSTEM
FLAT FRAME



E
5 **VERTICAL SECTION**
VENT SILL - YKK AP WALL SYSTEM
FLAT FRAME



G
5 **HORIZONTAL SECTION**
VENT JAMB - YKK AP WALL SYSTEM
FLAT FRAME



H
5 **HORIZONTAL SECTION**
VERTICAL MULLION - YKK AP WALL SYSTEM
FLAT FRAME



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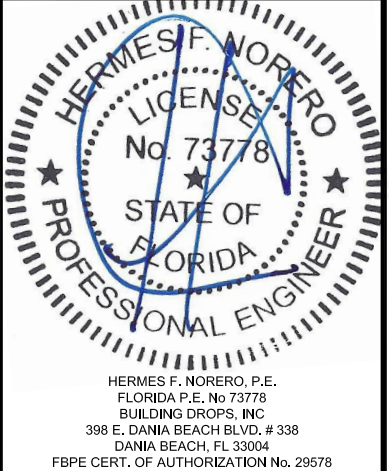
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CASEMENT WINDOW
(IMPACT)(HVHZ)
FLAT FRAME (STOREFRONT)
INSTALLATION DETAILS

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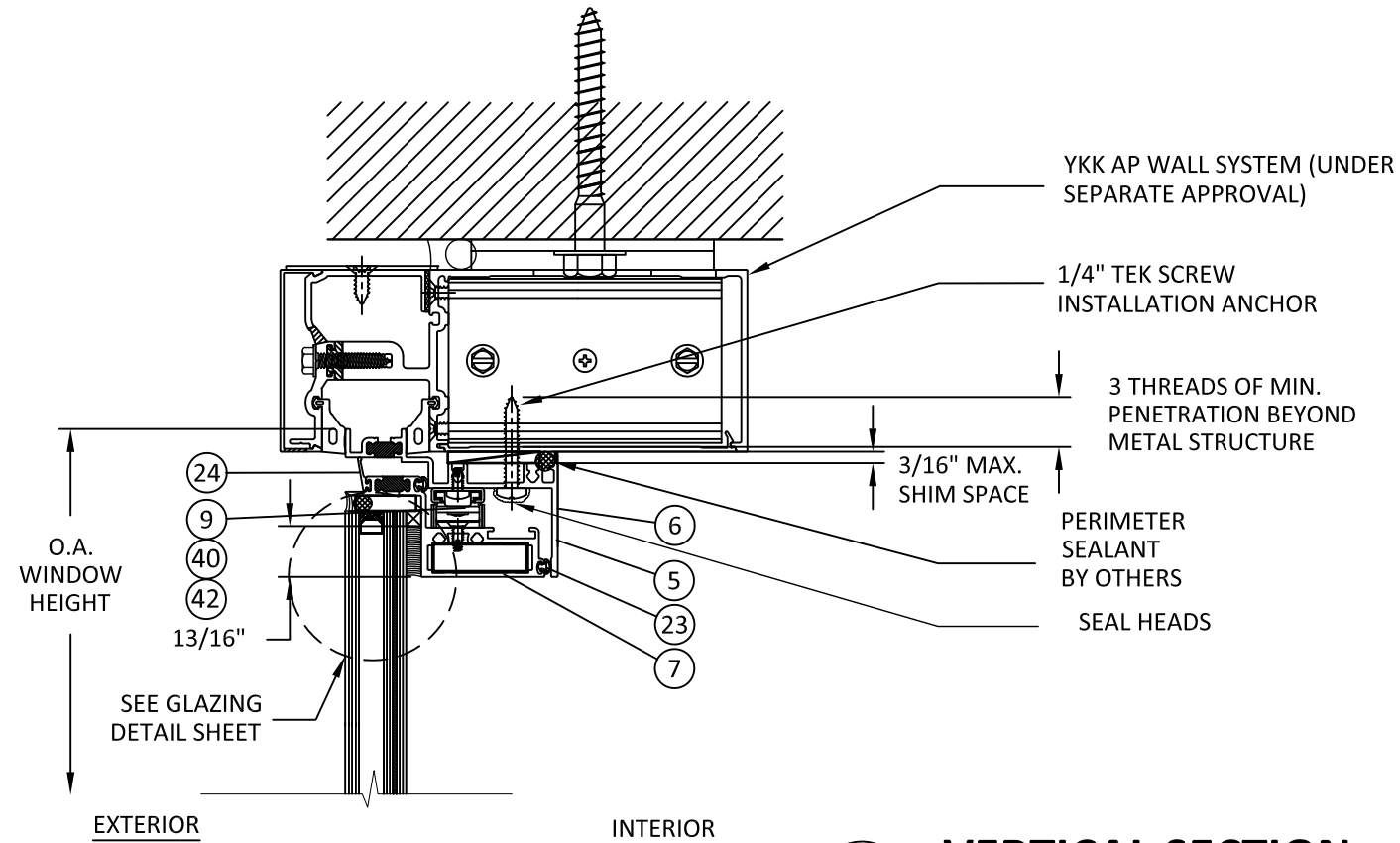
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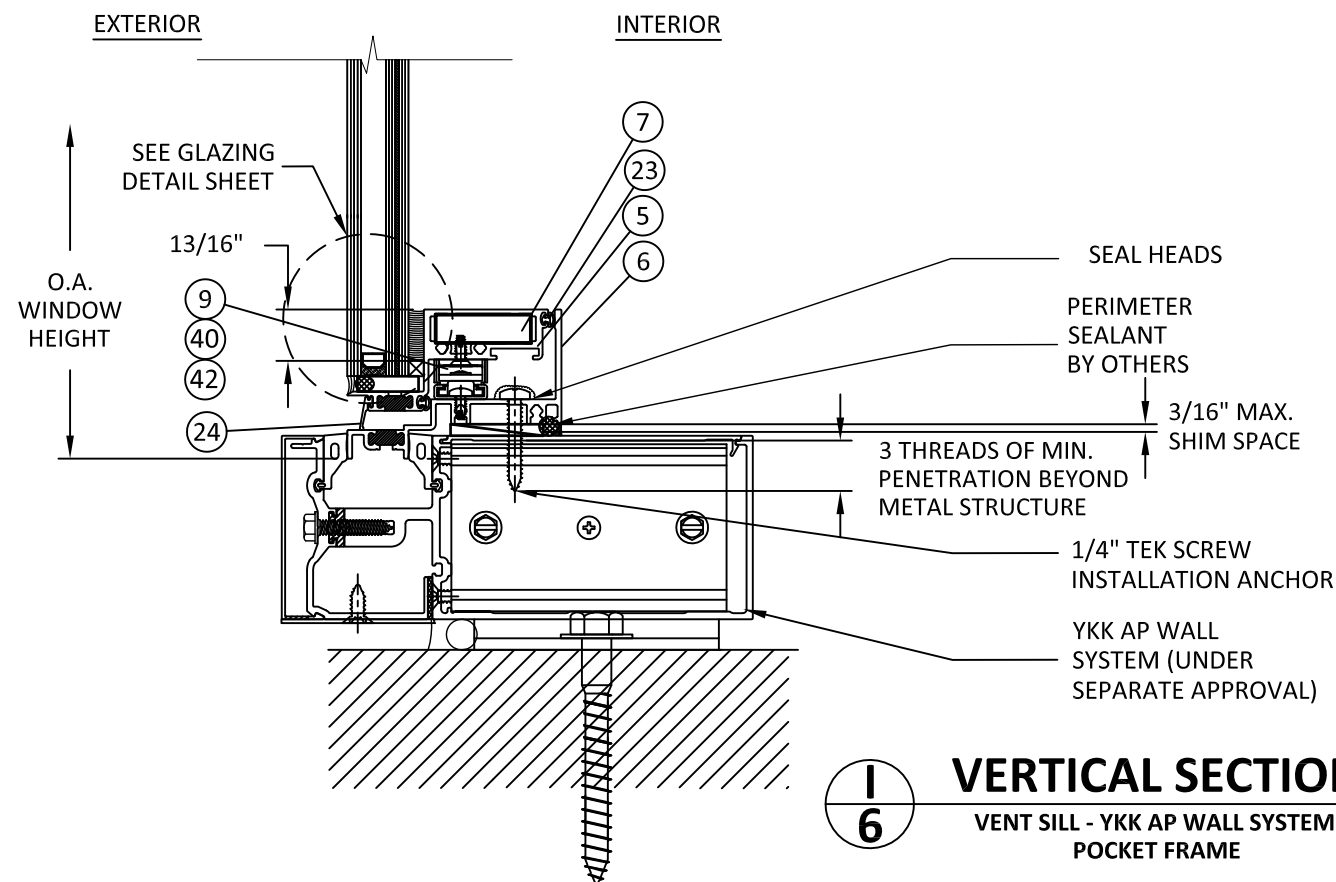
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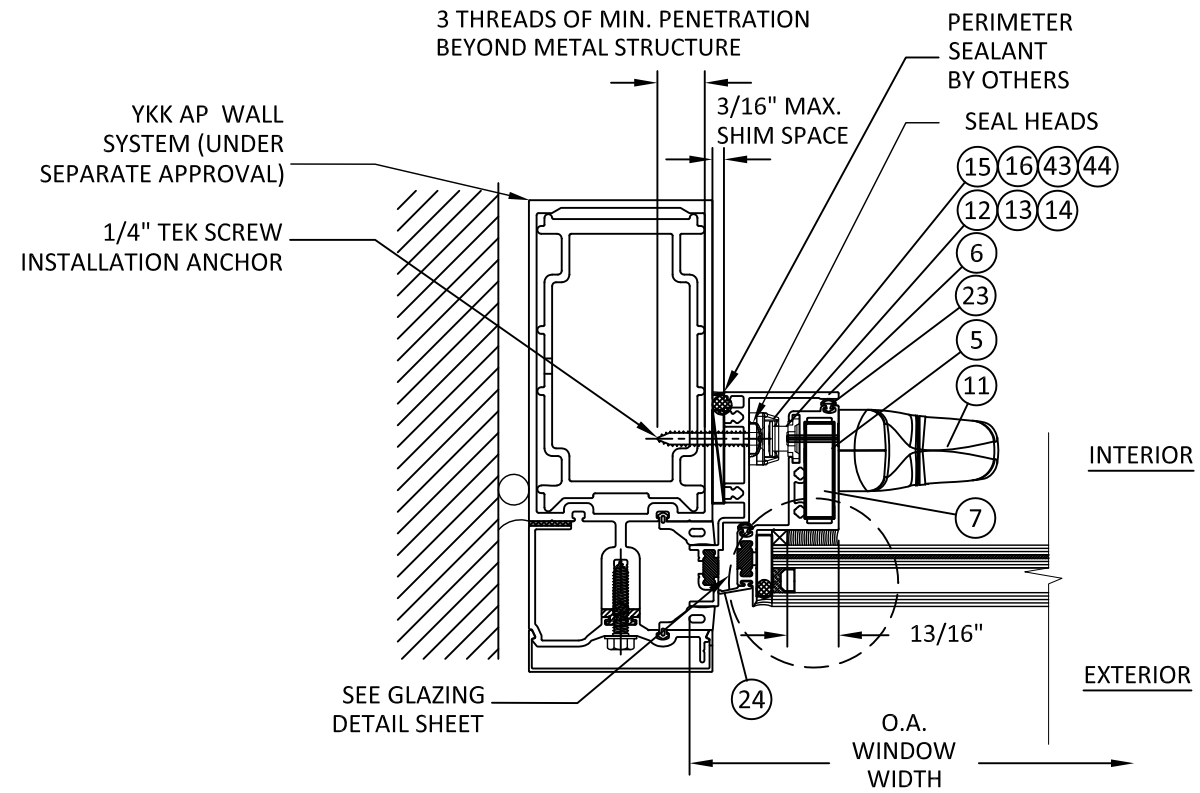
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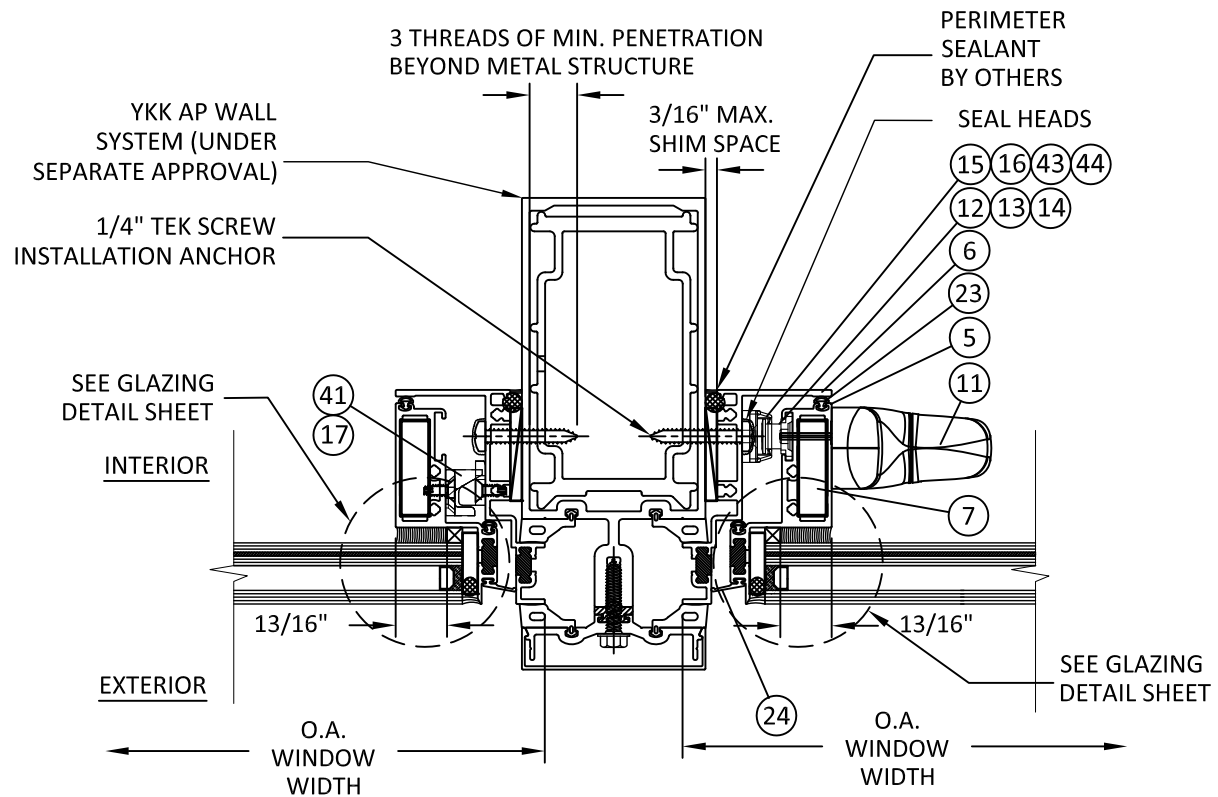
J
6 **VERTICAL SECTION**
VENT HEAD - YKK AP WALL SYSTEM
POCKET FRAME



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



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



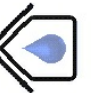
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6 **HORIZONTAL SECTION**
MULLION - YKK AP WALL SYSTEM
POCKET FRAME



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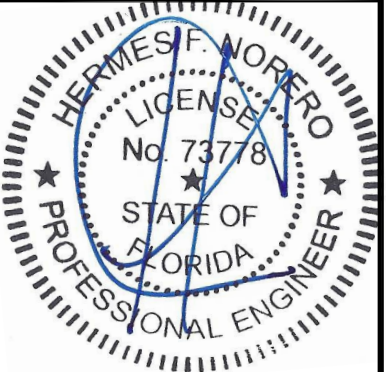
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CASEMENT WINDOW
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POCKET FRAME (CURTAIN WALL)
INSTALLATION DETAILS

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REMARKS	BY	DATE
SILICONE DEPTH CHANGED	HR	11/29/17

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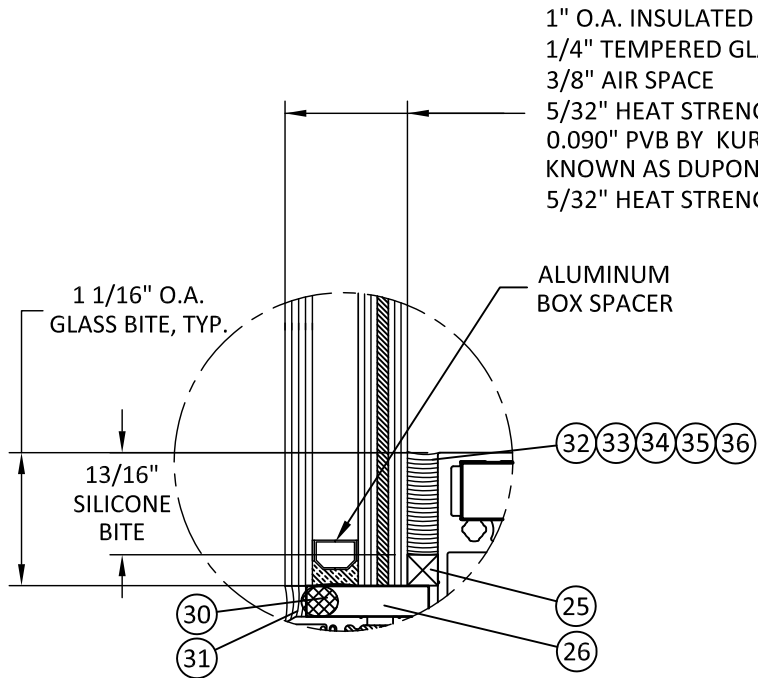


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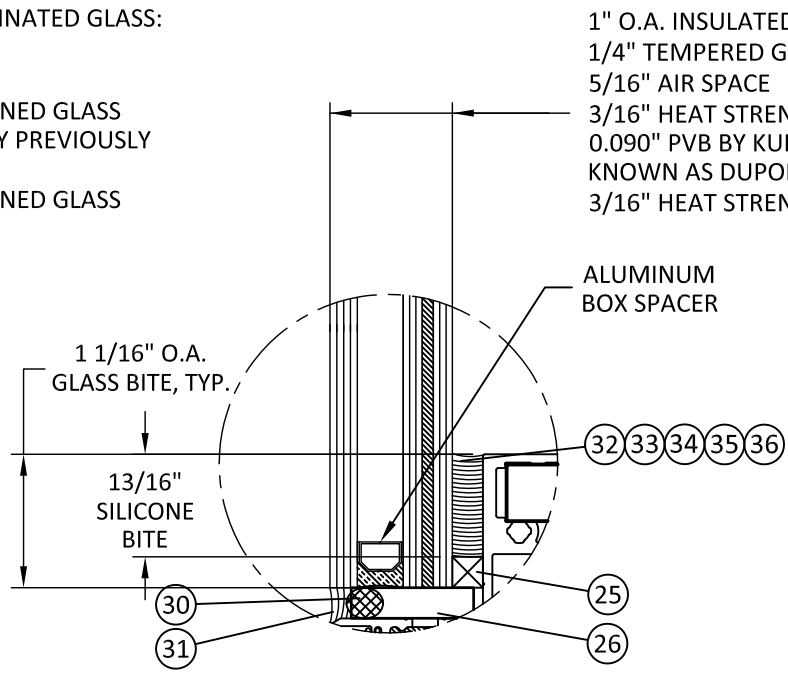
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SCALE:	NTS
DWG. #:	YKK036
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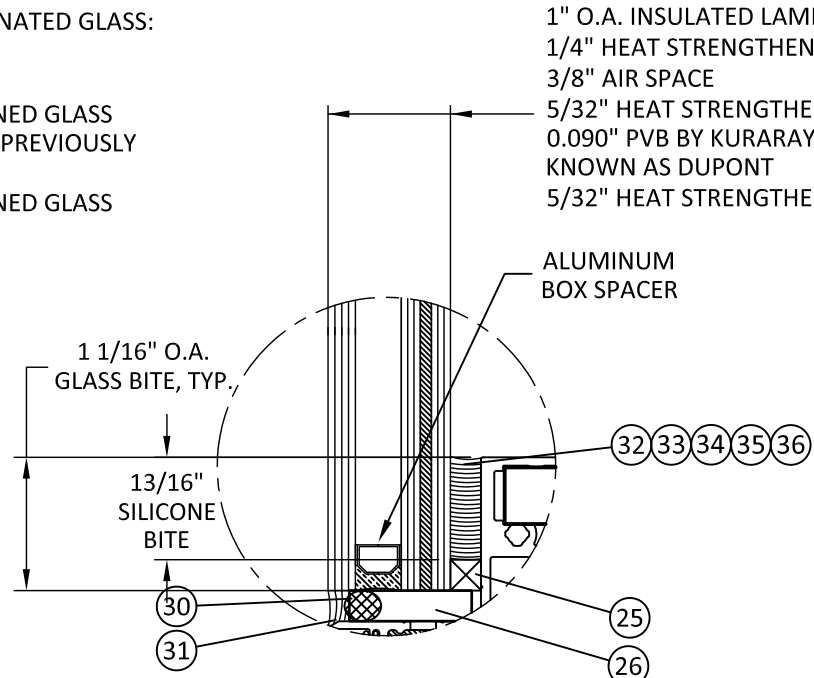
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GLAZING DETAIL 1

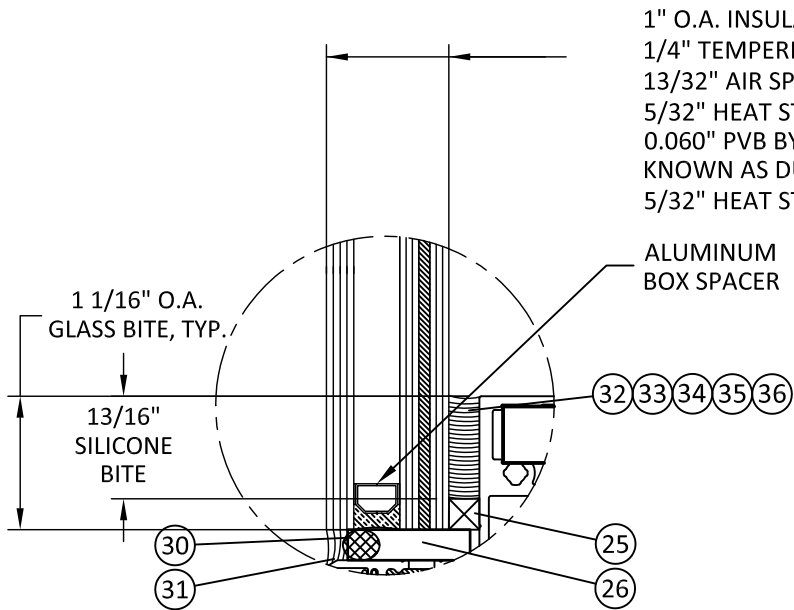


GLAZING DETAIL 3



GLAZING DETAIL 4

LARGE MISSILE IMPACT RATED



GLAZING DETAIL 2

GLAZING NOTES:

- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAILS.
- GLAZING SELECTION SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT FBC, CH.24.
- GLASS SHALL BE SET WITH THE USE OF SETTING BLOCKS IN ACCORDANCE WITH CH.24 AS APPLICABLE.
- GLAZING GASKETS WHEN IN USE WITH NON-STRUCTURALLY GLAZED ASSEMBLIES, SHALL MEET THE REQUIREMENTS OF CH.24
- 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 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.

SMALL MISSILE IMPACT RATED



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

TITLE: YES SSG TUH ALUMINUM
CASEMENT WINDOW
(IMPACT)(HVHZ)

GLAZING DETAILS

PREPARED BY:

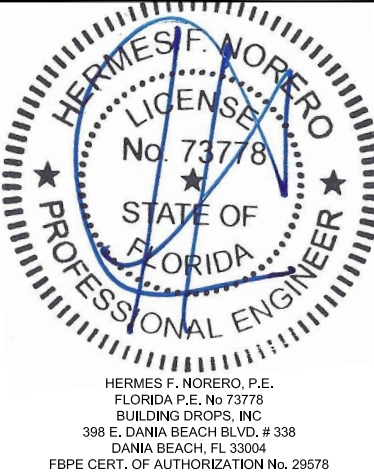
BUILDING DROPS, INC.

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
PECORA 895 NST UPDATE	LA	06.13.17

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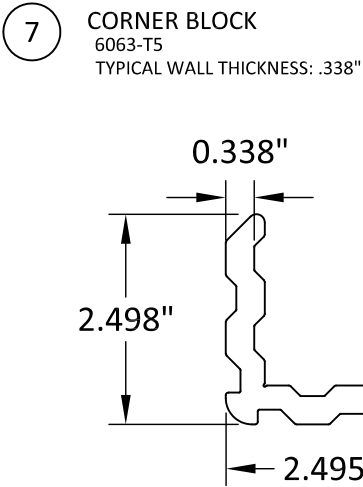
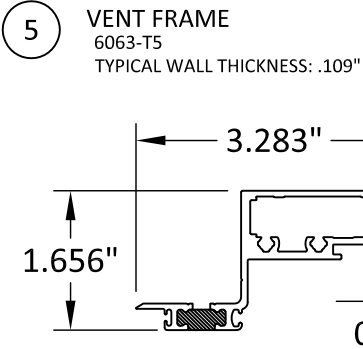
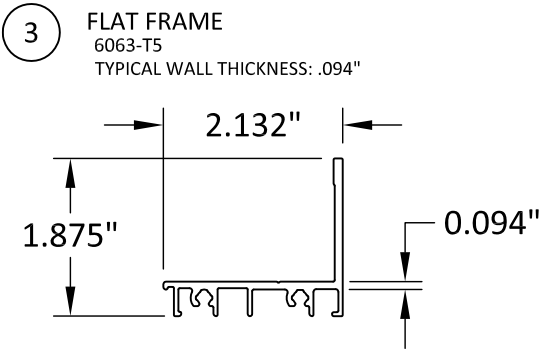


FL #:	FL17097
DATE:	08.16.18
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK036
SHEET:	7

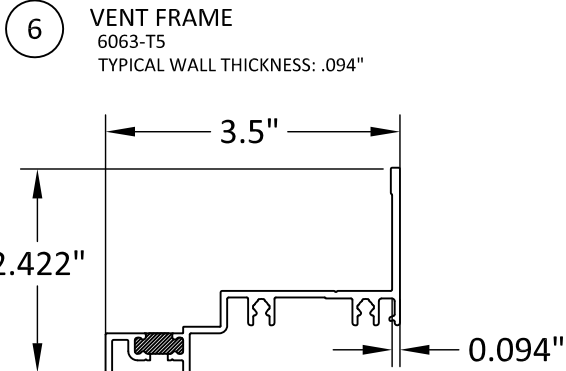
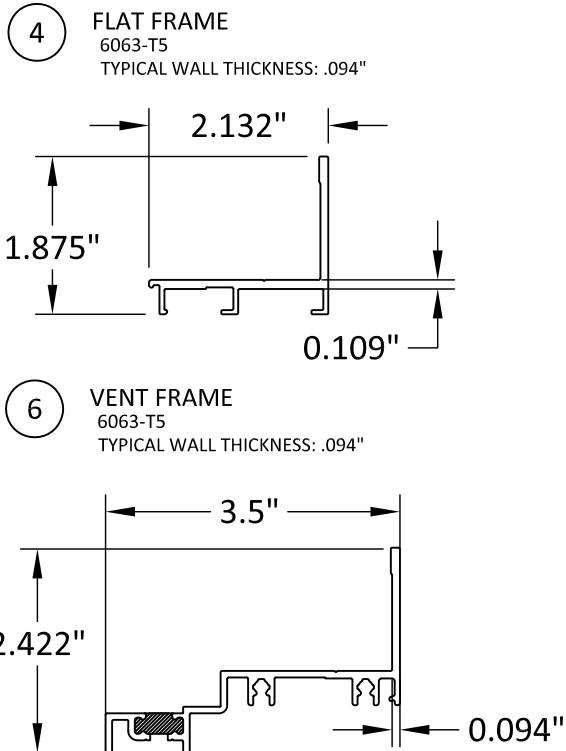
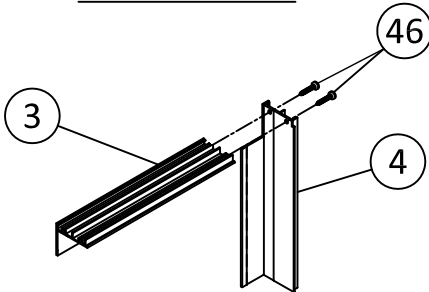
YESSG TUH - BILL OF MATERIAL				
ITEM #	PART#	DESCRIPTION	MATERIAL	MANUFACTURER
1	YHS50 FI	APPROVED IMPACT STOREFRONT SYSTEM (FPA 14218)		YKK AP
2	YHC300 OG	APPROVED IMPACT CURTAIN WALL SYSTEM (FPA 13433)		YKK AP
3	E9-4129	FLAT FRAME	6063-T5	YKK AP
4	E9-4130	FLAT FRAME	6063-T5	YKK AP
5	BE9-4132	VENT 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 895 NST - 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:

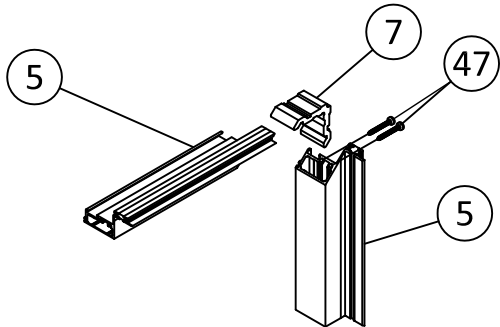
1) CAM LOCK HANDLES MAY UTILIZE OPTIONAL POLE RING OR CUSTODIAL TYPE HANDLES.



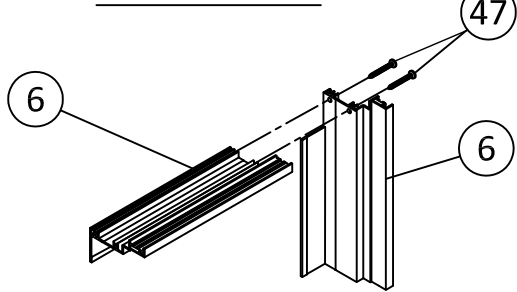
FLAT FRAME CORNER
CONSTRUCTION



VENT CORNER CONSTRUCTION



POCKET FRAME CORNER
CONSTRUCTION



YKK AP America Inc.

1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
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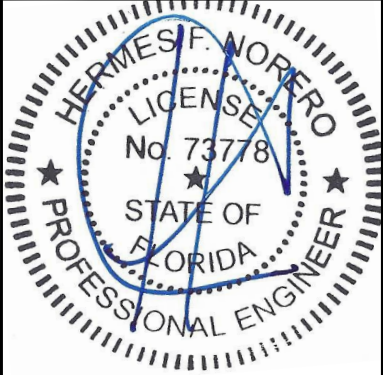
TITLE: YES SSG TUH ALUMINUM
CASEMENT WINDOW
(IMPACT)(HVHZ)
BILL OF MATERIALS
AND COMPONENTS

PREPARED BY:
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REMARKS	BY	DATE
PECORA 895 NST UPDATE	LA	06.13.17
FLAT FRAME CHANGED	HR	11/29/17

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

FL #:
FL17097

DATE: **08.16.18**

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

SCALE: **NTS**

DWG. #: **YKK036**

SHEET: