

7/27/2020 4:00 PM

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YKK AP AMERICA, Inc.

YOV SSG CASEMENT WINDOW

(NON-HVHZ) (NON-IMPACT)

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
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 REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: ALUMINUM 6063-T5
7. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.
8. GLASS SHALL MEETS THE REQUIREMENTS OF ASTM E1300. SEE SHEET 12 FOR GLAZING DETAILS.

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DESIGN PRESSURE TABLE			
VENT SIZE	MAX. FRAME SIZE	MAX. DP	IMPACT RATING
38" x 62"	38 3/8" X 60 1/2"	+70/-70 PSF	NON-IMPACT
** 36 1/8" x 60 1/2"	36 1/2" x 62"	+65/-65 PSF	NON-IMPACT

*SEE SHEET 3 & 4 FOR ADDITIONAL QUALIFIED VENT SIZES
**MEETS THE REQUIREMENTS OF AAMA 513-14 FORCES AND MOTIONS



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YOV SSG CASEMENT WINDOW
(NON-HVHZ) (NON-IMPACT)
GENERAL NOTES

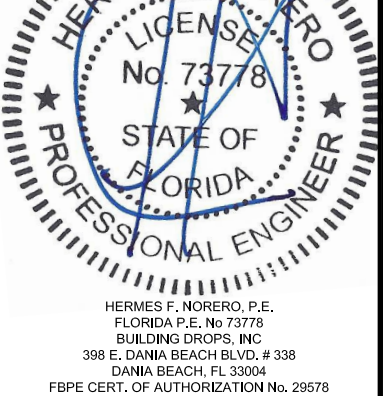
PREPARED BY:

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REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero
Reason: I am approving this document
Date: 2020.07.27 20:07:22 -0400



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FBPE CERT. OF AUTHORIZATION No. 29578

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FL17097

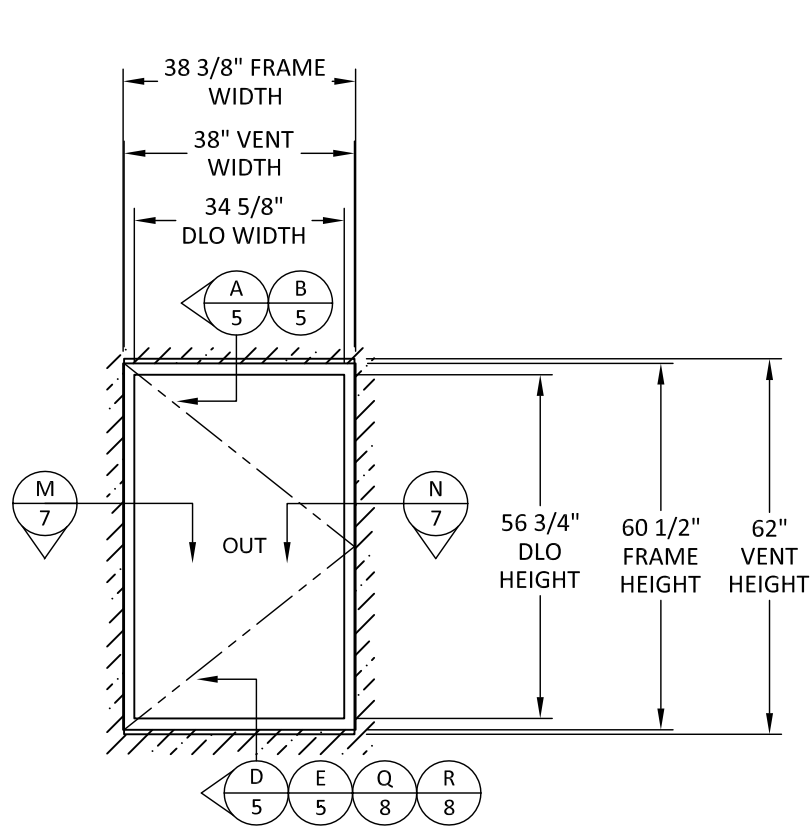
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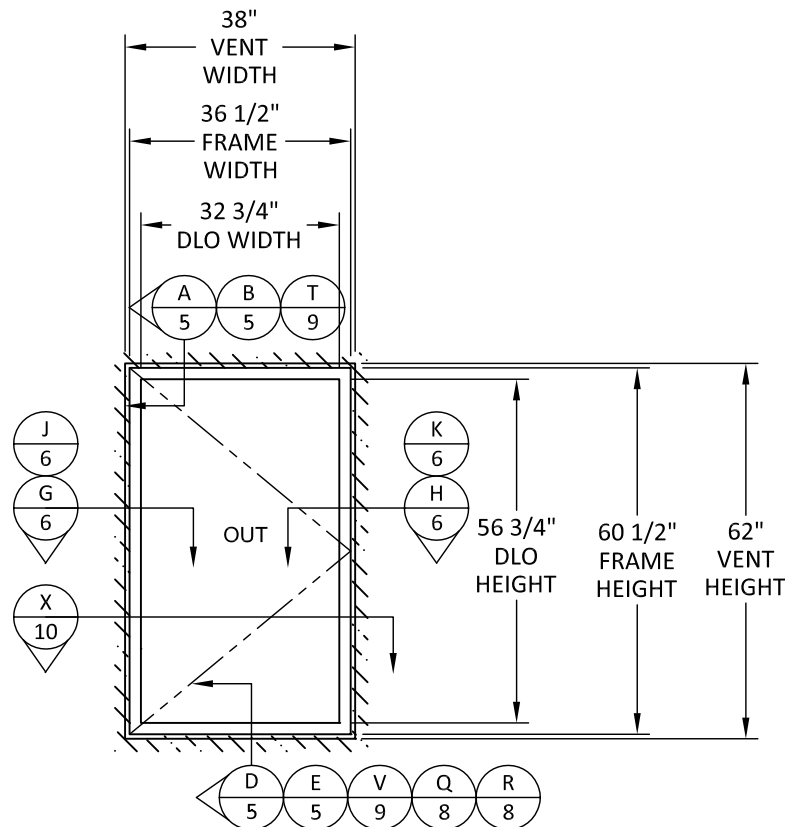
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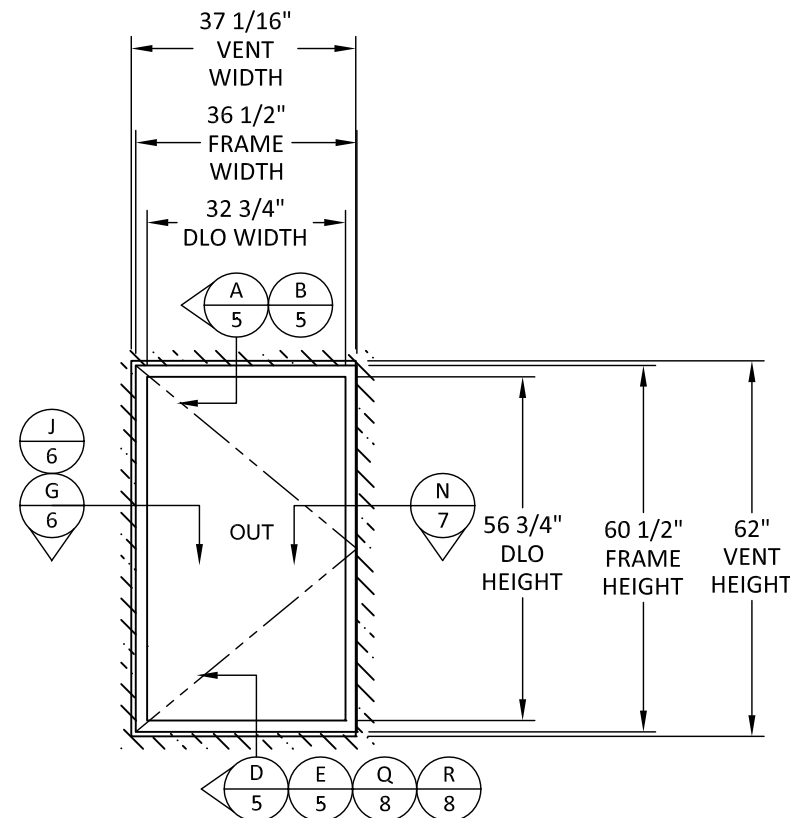
SHEET:
1 OF 13



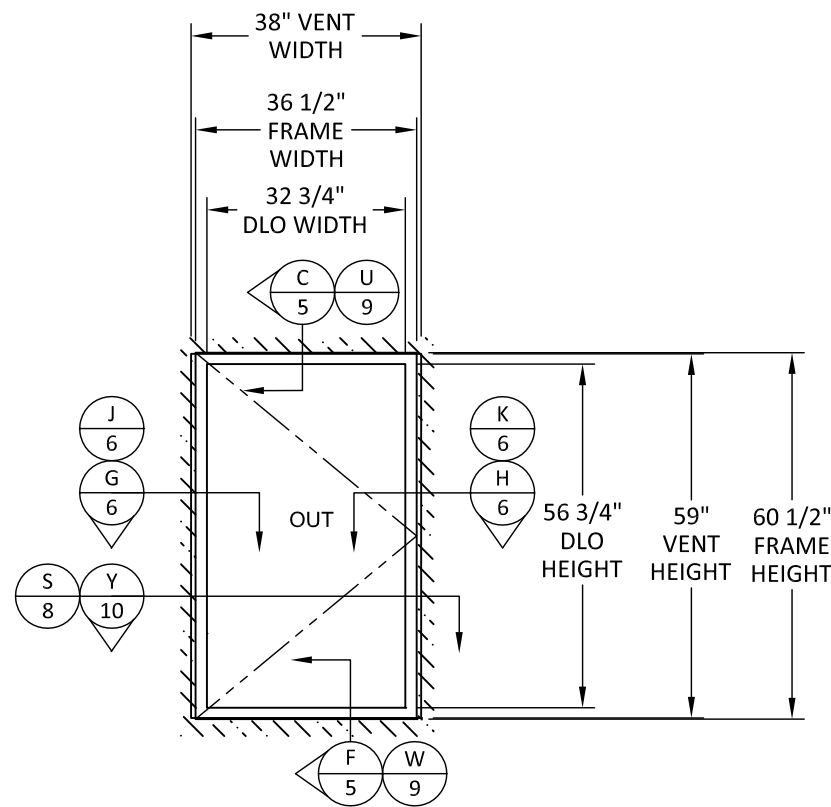
ELEVATION
2 SIDED SSG
CAPTURED VERTICALS



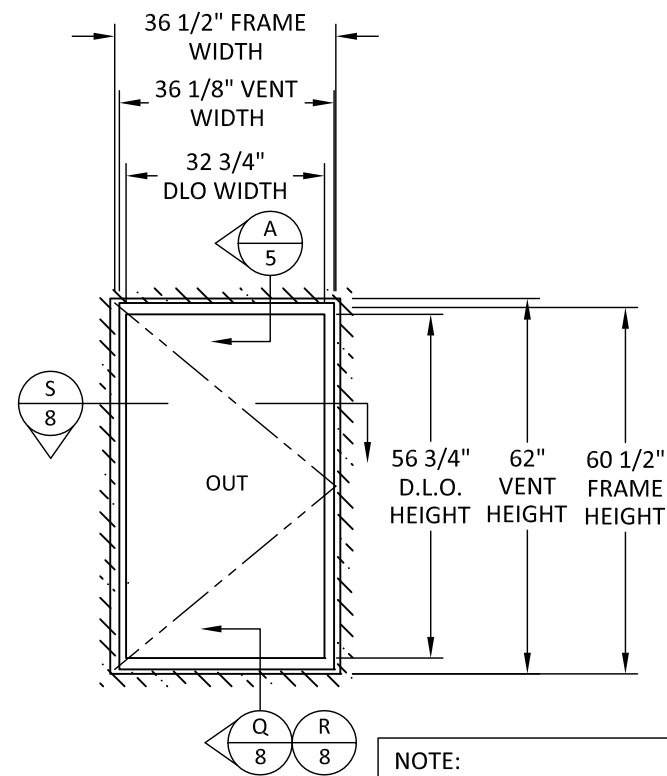
ELEVATION
4 SIDED SSG



ELEVATION
3 SIDED SSG
CAPTURED VERTICAL



ELEVATION
2 SIDED SSG
CAPTURED HORIZONTALS



ELEVATION
2 OR 3 SIDED SSG
CAPTURED HORIZONTALS

NOTE:
APPROVED FOR ACCESSIBLE WINDOW
CONDITION

- NOTE:
- 1) YOVSOG CASEMENT WINDOWS MAY BE USED WITHIN ANY APPROVED YKK WALL SYSTEM AS LISTED IN SEPARATE FLORIDA PRODUCT APPROVALS IN VARIOUS CONFIGURATIONS SUCH THAT MAXIMUM FRAME SIZE IS NOT EXCEEDED AND MOUNTING DETAILS ARE AS SHOWN HEREIN.
 - 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.
 - 4) SSG AND/OR CAPTURED VENT CONDITIONS ARE APPROVED IN ANY POSITION.



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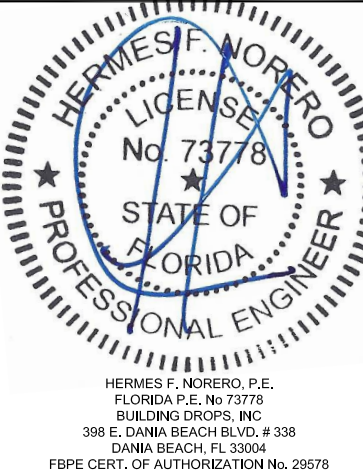
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ELEVATIONS

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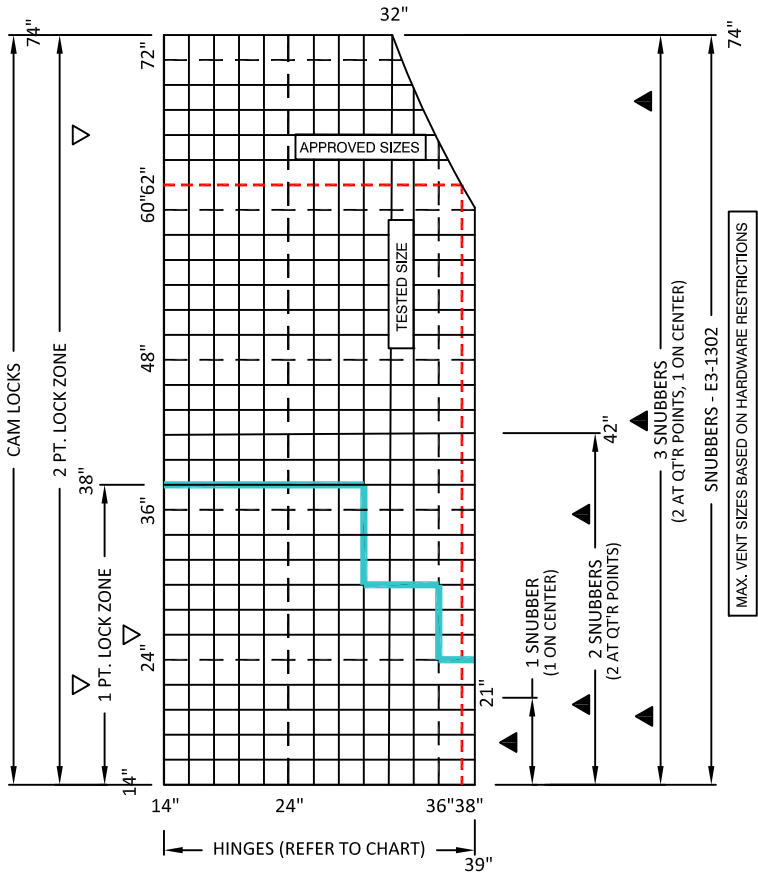
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OF 13

ALLOWABLE VENT SIZES AND HARDWARE LOCATIONS

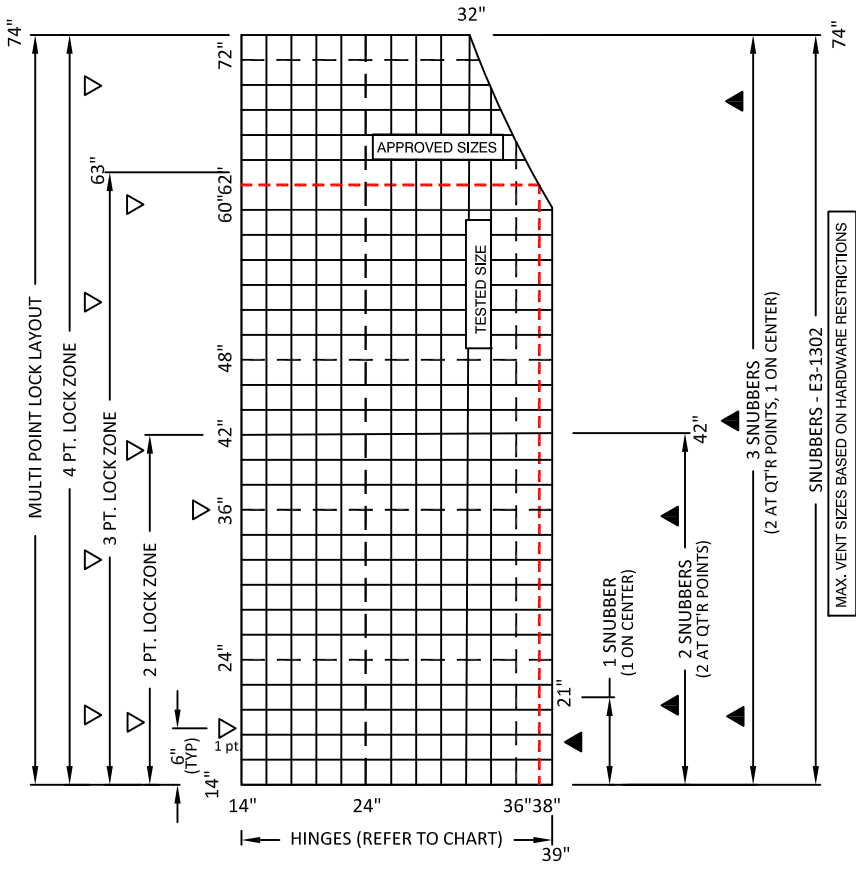
CAM LOCKING SYSTEM

VENT SIZES SHOWN



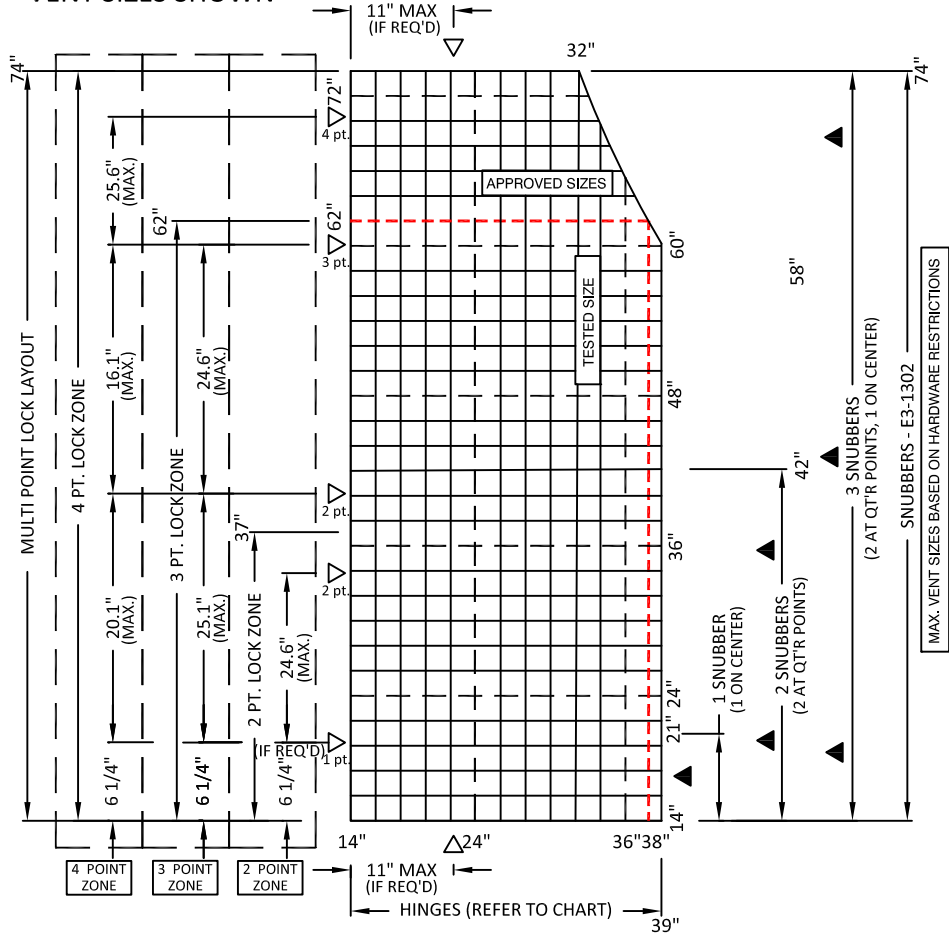
FMPL LOCKING SYSTEM

VENT SIZES SHOWN



VMPL LOCKING SYSTEM

VENT SIZES SHOWN



CASEMENT OUT HINGE CHART							
SSG CURTAIN WALL				CAPTURED CURTAIN WALL			
E2-0270 SSG VENT ADAPTER AT HINGE STILE				E2-0271 CAPTURED VENT ADAPTER AT HINGE STILE			
HINGE LIMITS - WITHOUT 4" FALL PREVENTION DEVICE				HINGE LIMITS - WITHOUT 4" FALL PREVENTION DEVICE			
TYPE	PART NO.	FRAME WIDTH BASED ON HARDWARE SEE SIZE LIMIT CHART	MAX. OPENING or MAX. ANGLE	TYPE	PART NO.	FRAME W BASED ON HARDWARE SEE SIZE LIMIT CHART	MAX. OPENING or MAX. ANGLE
12" TYPE	E1-1986	FRAME W≤36" [914.4]	20° with Built In LIMIT STOP	12" TYPE	4K-14207	FRAME W<24" [609.6]	90° W/O LIMIT STOP
				16" TYPE	4K-14208	FRAME W>24" [609.6]	90° W/O LIMIT STOP
				12" TYPE	E1-1986	FRAME W≤36" [914.4]	80° W/O LIMIT STOP
HINGE LIMITS - WITH 4" FALL PREVENTION DEVICE E1-1936				HINGE LIMITS - WITH 4" FALL PREVENTION DEVICE E1-1936			
TYPE	PART NO.	FRAME WIDTH BASED ON HARDWARE SEE SIZE LIMIT CHART	MAX. OPENING or MAX. ANGLE	TYPE	PART NO.	FRAME WIDTH BASED ON HARDWARE SEE SIZE LIMIT CHART	MAX. OPENING or MAX. ANGLE
12" TYPE	E1-1986	FRAME W≤36" [914.4]	4" WITH E1-1936	12" TYPE	4K-14207	FRAME W<24" [609.6]	4" with E1-1936
				16" TYPE	4K-14208	FRAME W>24" [609.6]	4" with E1-1936
				12" TYPE	E1-1986	FRAME W≤36" [914.4]	4" with E1-1936

CAM LOCK SYSTEM	
1 LOCK POINT	LOCATED ON CENTERLINE
2 LOCK POINTS	8" FROM TOP & BOTTOM

FRAME MPL SYSTEM						
YOVSOG - CASEMENT OUT SWING						
MINIMUM FRAME HEIGHT DIMENSION	BASE BAR	BASE BAR PART NUMBER	EXTENSION BAR	EXTENSION BAR PART NUMBER	NUMBER OF LOCK POINTS	MAX. LOCK POINT CENTERS
19" - 31"	12"	E1-1954-0100	NONE	-	2	8 5/8"
31.1"-42"	24"	E1-1954-0200	NONE	-	2	20 5/8"
42.1"-55"	24"	E1-1954-0300	12"	E1-1955-0100	3	20 5/8"
55.1"-63"	48"	E1-1954-0400	NONE	-	3	22 3/8"
63.1"-68"	48"	E1-1954-0400	6"	E1-1955-0006	4	22 3/8"
68.1"-74"	48"	E1-1954-0400	12"	E1-1955-0100	4	22 3/8"
74.1"-75"	48"	E1-1954-0400	14"	E1-1955-0102	4	22 3/8"

VENT MPL SYSTEM	
YOVSOG - CASEMENT OUT SWING	
FRAME WIDTH (FORMULA BASED) TO DETERMINE THE NUMBER OF LOCK POINTS SUBTRACT THE SUM OF THE (NOMINAL HINGE LENGTH + 2 ½") FROM THE FRAME WIDTH. EXAMPLE: 37" WIDE WINDOW WITH 16" 4 BAR = 37"-(16"+2 ½") = 18 ½" THEREFORE NO LOCK POINTS ARE REQUIRED - NO LOCK POINT REQUIRED IF RESULT IS < 19" - 1 LOCK POINT PER HEAD/SILL REQUIRED IF RESULT IS 19.1"≤29"	
FRAME HEIGHT: IF FH = 20"< 37.0" - 2 LOCK POINTS REQUIRED IF FH = 37.1"< 62.0" - 3 LOCK POINTS REQUIRED IF FH = 62.1"< 74.0" - 4 LOCK POINTS REQUIRED	

LEGEND
▶ -SNUBBER
▷ -LOCK POINT



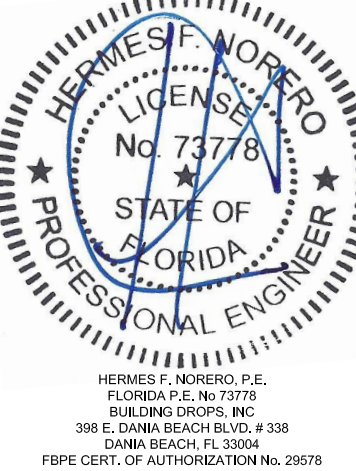
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ALLOWABLE VENT SIZES
AND HARDWARE LOCATIONS

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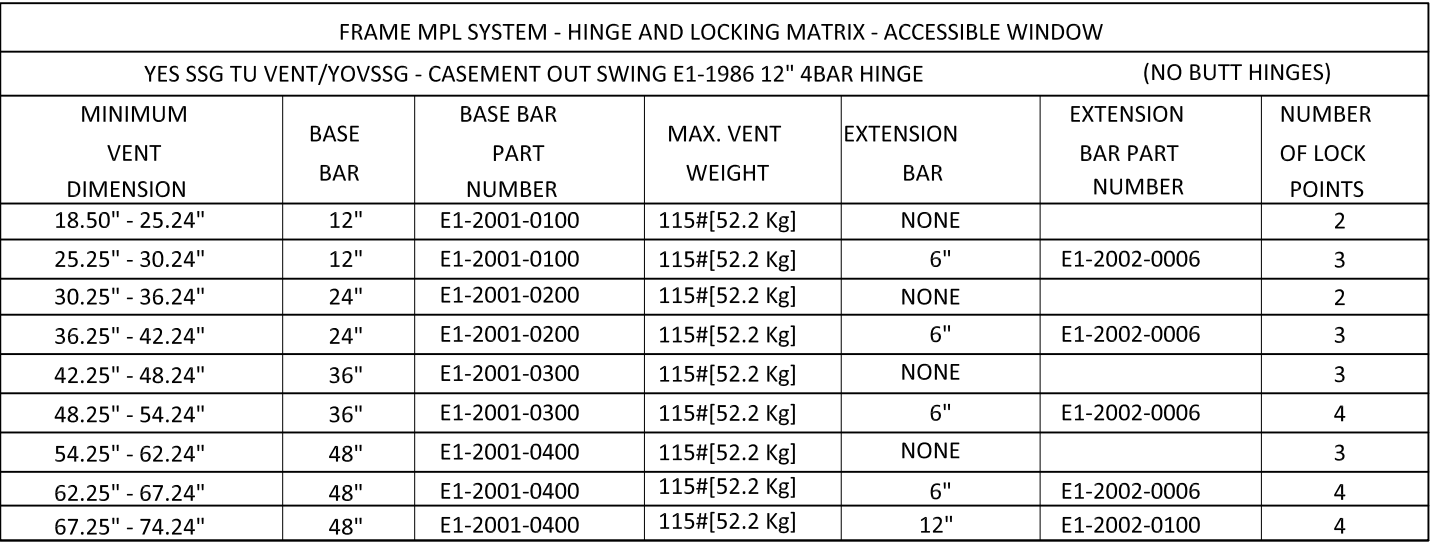
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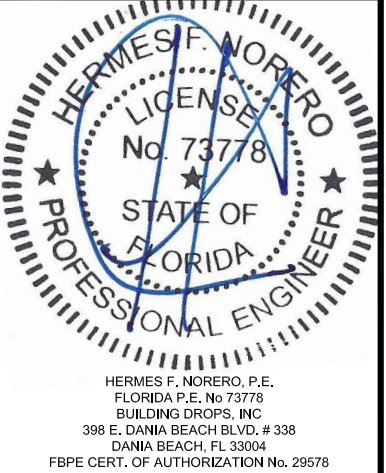
APPROVED VENT SIZE RANGES BASED ON 65 PSF WITH ROTARY OPERATOR			
	VENT SIZE	VENT SQUARE FEET	ALLOWABLE DESIGN PRESSURE
A	MINIMUM SIZE: 24"[609.6] X 18 1/2"[459.9]	3.1	65
B	37 5/8"[955.1] X 58 1/4" [1490.9]	15.2	65
C	TESTED SIZE: 36 1/8 [917.6] X 62"[1574.8]	15.6	65
D	MAXIMUM SIZE: 30 1/8"[765.2] X 74 1/4"[1886.0]	15.5	65



HARDWARE TYPE	OPTION#	DESCRIPTION
LOCK	1	(SEE MATRIX ABOVE) MULTI-POINT BASE LOCK BAR (E1-2001), LOCK EXTENSION BAR (E1-2002), SECURED TO FRAME WITH (2) #10 X 1/2" PFH SMS, PER LOCK POINT. KEEPER (4K-18584) LOCATED AT 10 3/4" FROM BOTTOM OF STILE AND MAX. OF 22.3" THERE AFTER, SECURED WITH (2) #8 X 7/16" PH SMS. ACTUATED BY E1-1966 4" STANDARD HANDLE OR E1-1994 8" EXTENDED HANDLE SECURED TO FRAME JAMB WITH (2) #10 X 3/4" POH SMS
HINGE	1	12", 4-BAR HINGE (E1-1986) SECURED TO BASE WITH (3) #10-24 X 3/8" PL PH SMS AND TO VENT WITH (3) #10-24 X 3/8" PL FH SMS. NOTE: RESTRICTED VENT WIDTHS
ROTARY OPERATOR	1	BASED ON THE VENT WIDTH. AN 8" OR 14" SINGLE ARM OPERATOR IS MOUNTED TO THE FRAME SILL, SECURED WITH (4) #10 X 3/8" PPH SMS (SEE OPERATOR SCHEDULE)

NUMBER OF REQUIRED SNUBBERS AT HINGE JAMB (E3-1103)	VENT HEIGHT (H)
1	$\geq 17.2''\text{-}21''\text{H}$
2	$\geq 21.01''\text{-}41.9''\text{H}$
3	$\geq 42''\text{H}$

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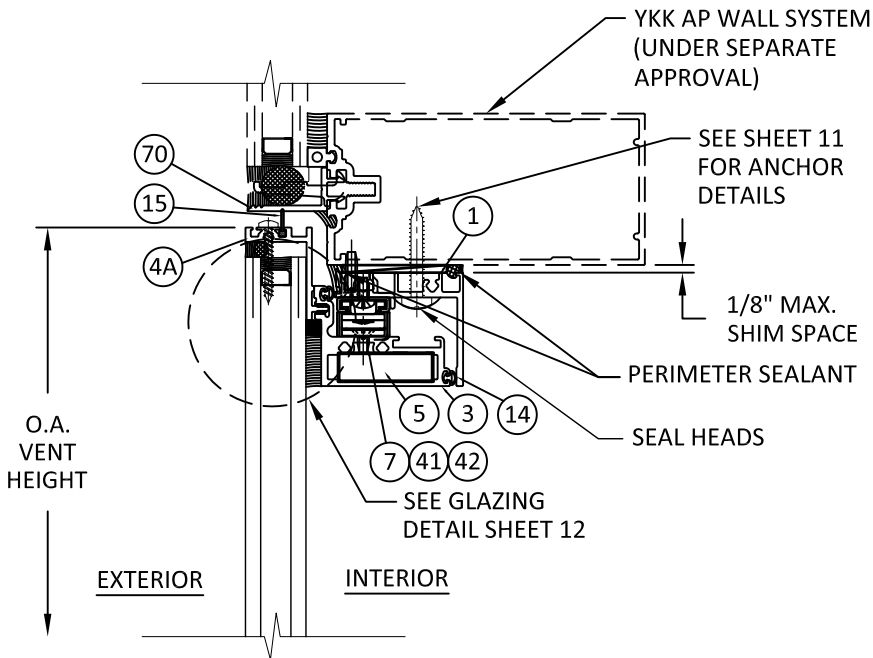
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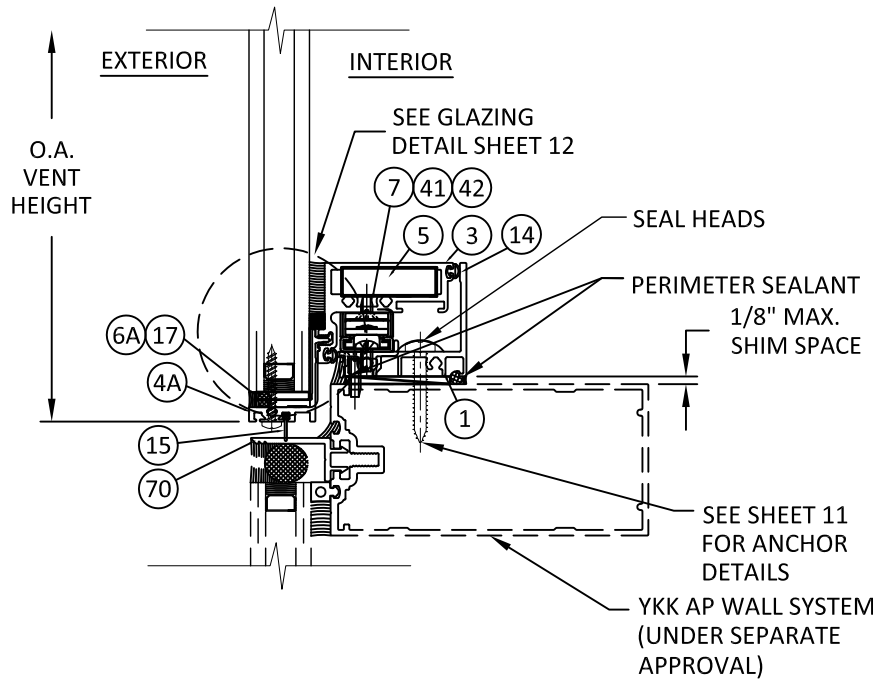
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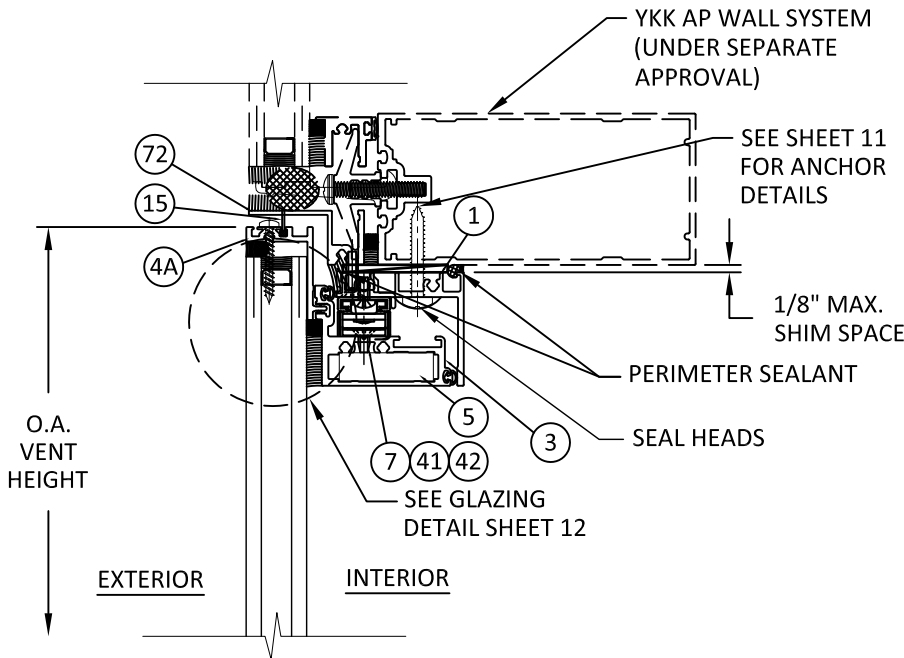
CURTAIN WALL DETAIL



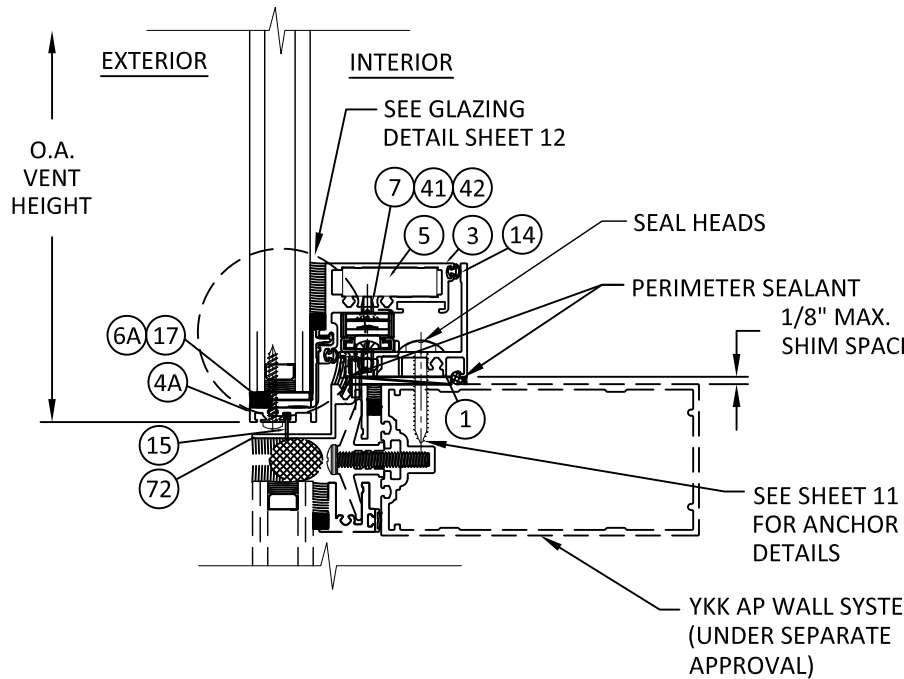
A
5 VERTICAL SECTION
VENT HEAD - YKK AP WALL SYSTEM
SSG - FIELD GLAZED



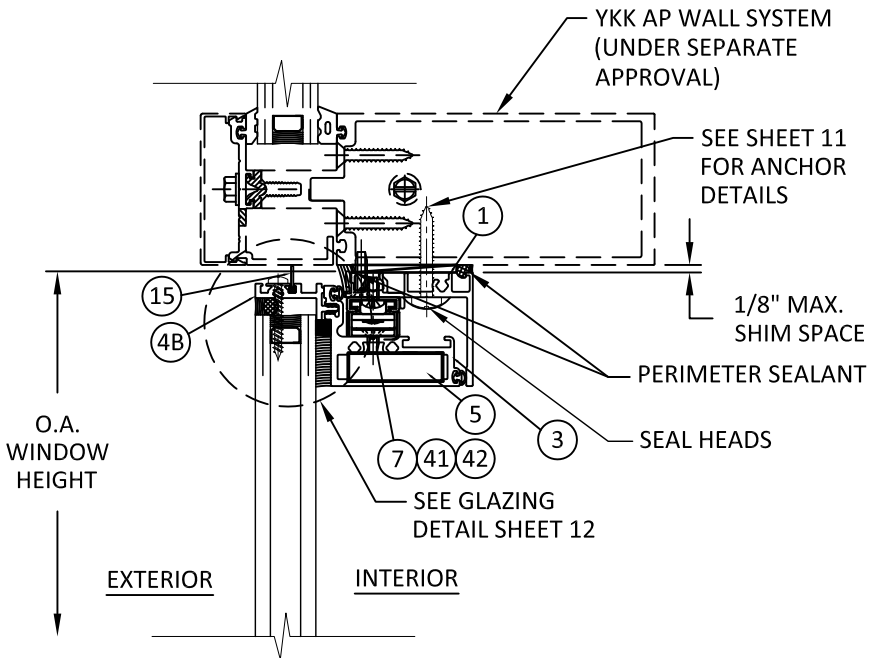
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5 VERTICAL SECTION
VENT SILL - YKK AP WALL SYSTEM
SSG - FIELD GLAZED



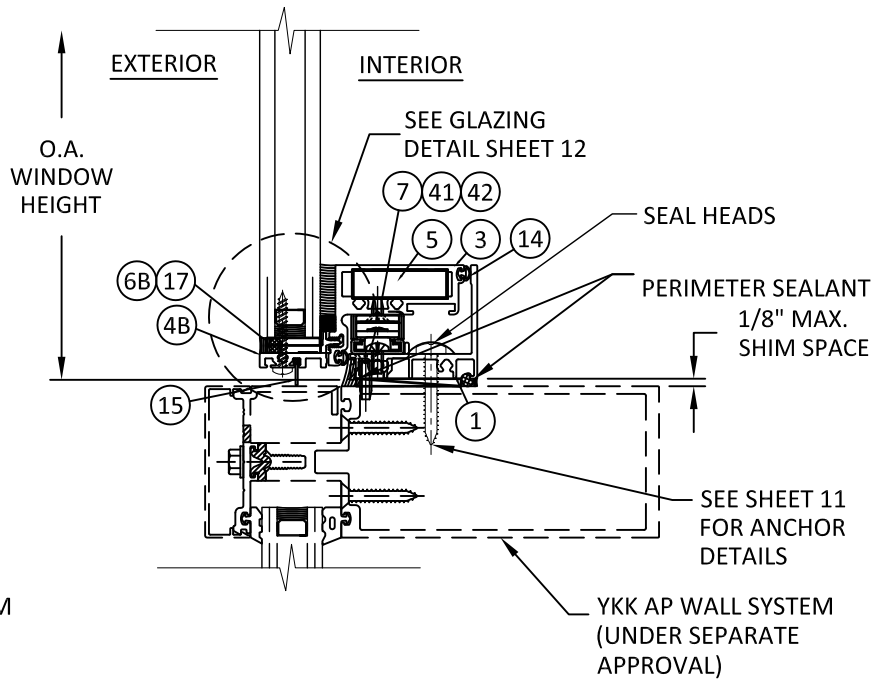
B
5 VERTICAL SECTION
VENT HEAD - YKK AP WALL SYSTEM
SSG - SHOP GLAZED



E
5 VERTICAL SECTION
VENT SILL - YKK AP WALL SYSTEM
SSG - SHOP GLAZED



C
5 VERTICAL SECTION
VENT HEAD - YKK AP WALL SYSTEM
CAPTURED - FIELD GLAZED



F
5 VERTICAL SECTION
VENT SILL - YKK AP WALL SYSTEM
CAPTURED - FIELD GLAZED

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VERTICAL SECTIONS

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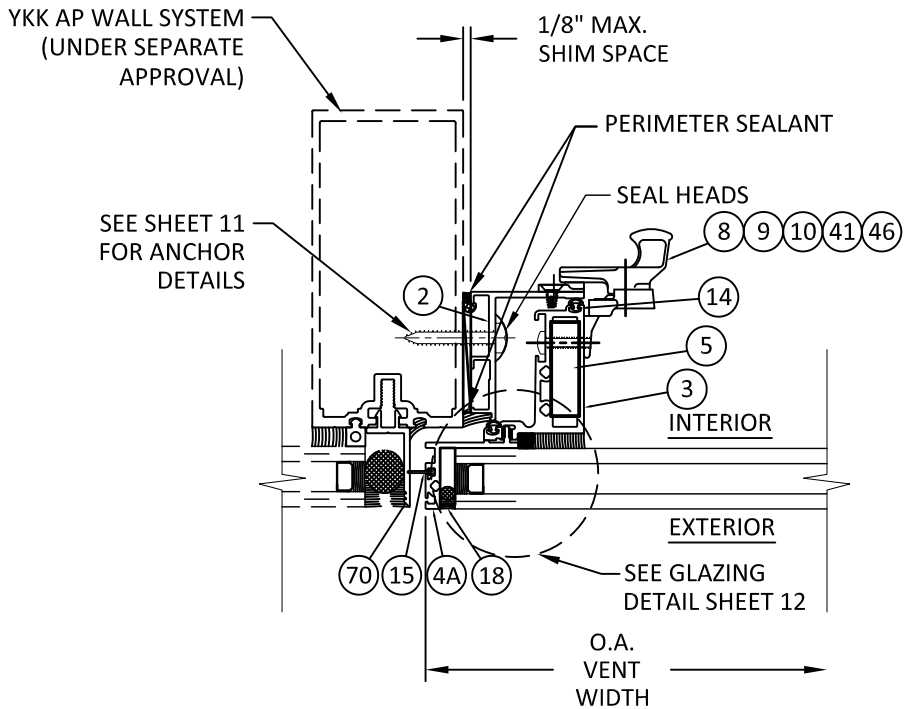
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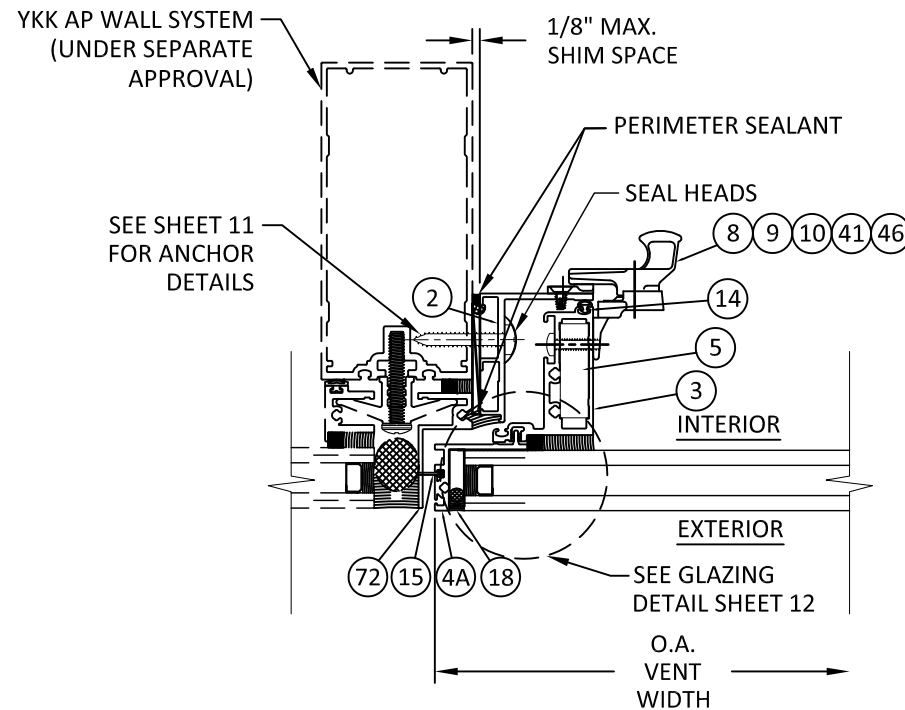
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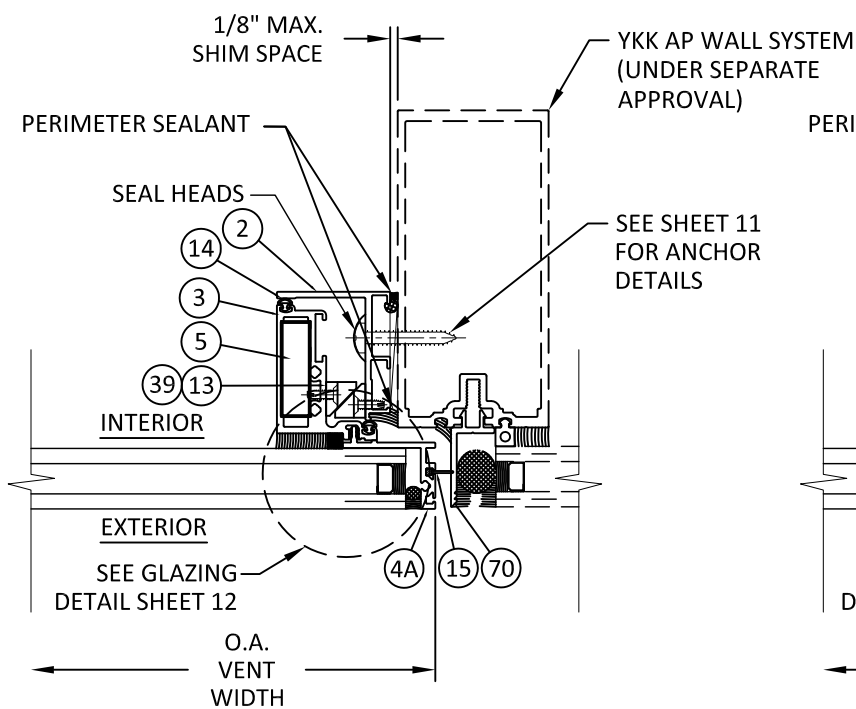
CURTAIN WALL DETAIL



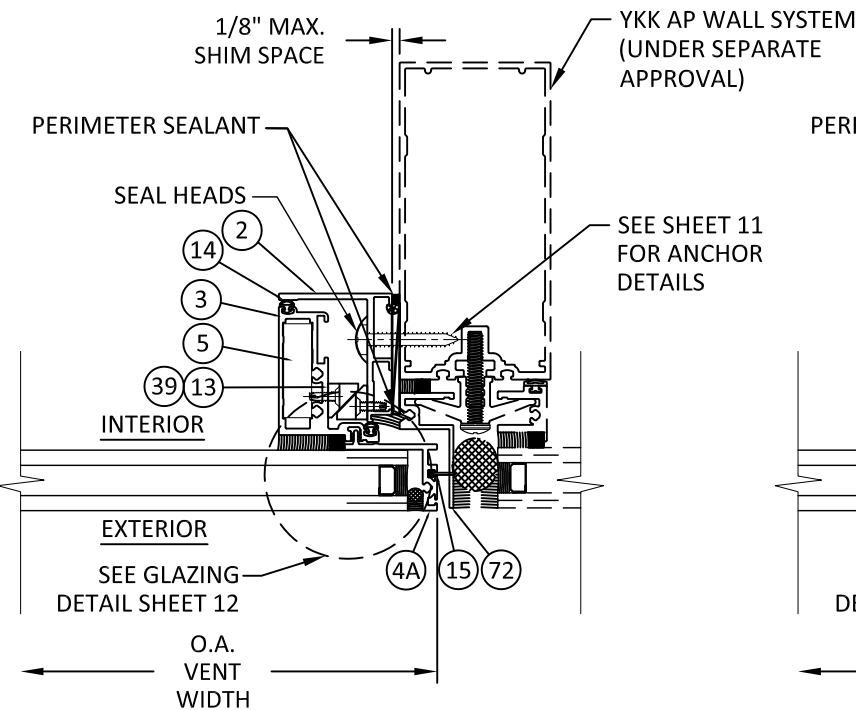
G
6 HORIZONTAL SECTION
VENT CAM LOCK JAMB - YKK AP WALL SYSTEM
SSG - FIELD GLAZED



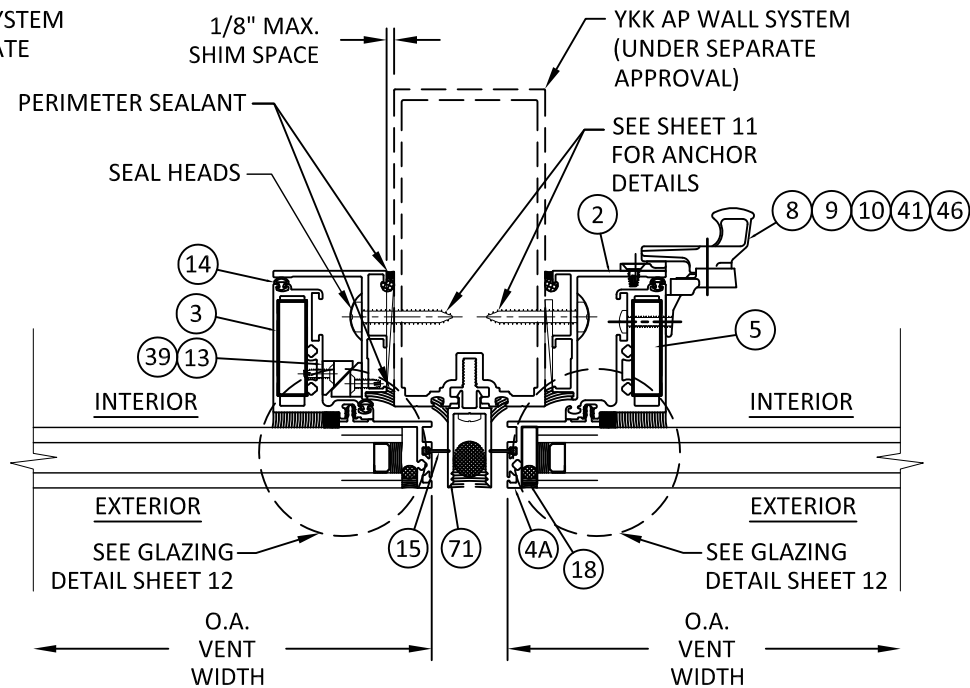
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6 HORIZONTAL SECTION
VENT CAM LOCK JAMB - YKK AP WALL SYSTEM
SSG - SHOP GLAZED



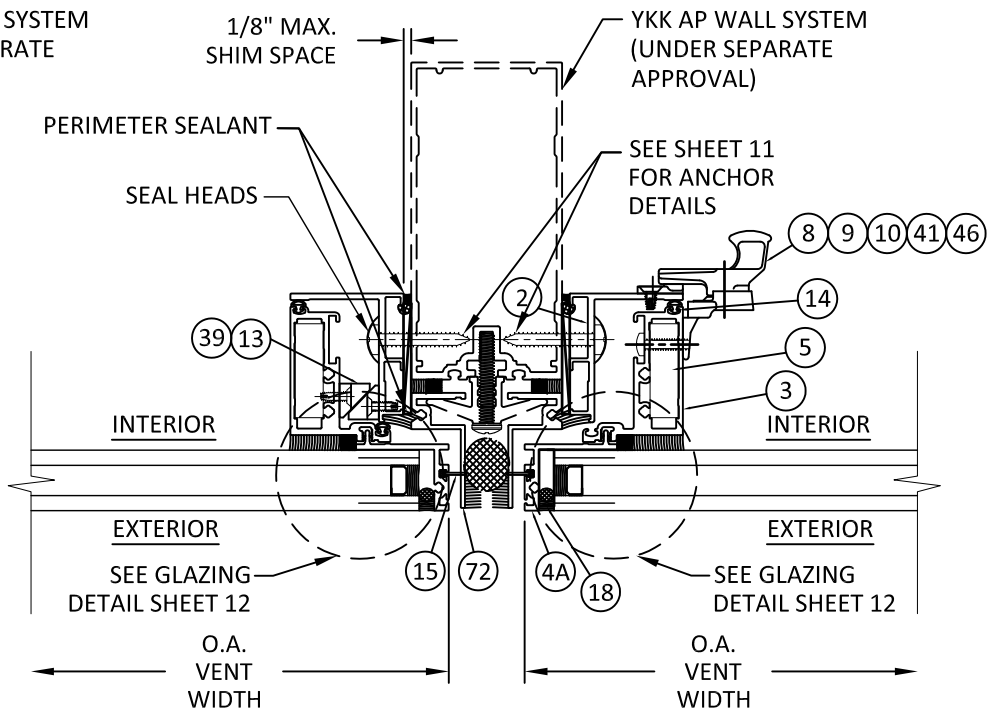
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VENT HINGE JAMB - YKK AP WALL SYSTEM
SSG - FIELD GLAZED



K
6 HORIZONTAL SECTION
VENT HINGE JAMB - YKK AP WALL SYSTEM
SSG - SHOP GLAZED



I
6 HORIZONTAL SECTION
VENT HINGE & LOCK JAMBS - WALL SYSTEM
SSG - FIELD GLAZED



L
6 HORIZONTAL SECTION
VENT HINGE & LOCK JAMBS - WALL SYSTEM
SSG - SHOP GLAZED

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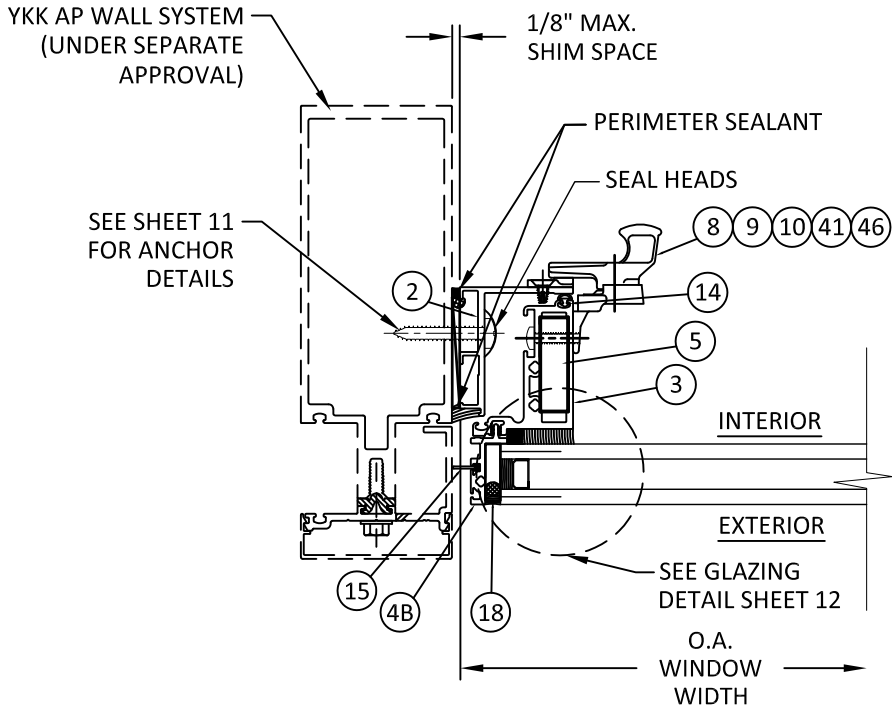
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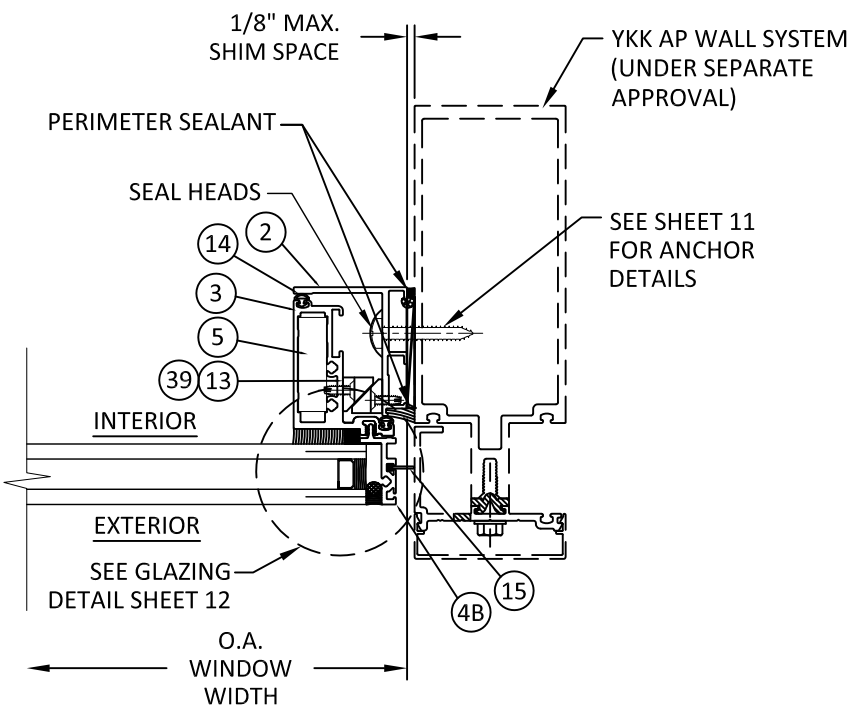
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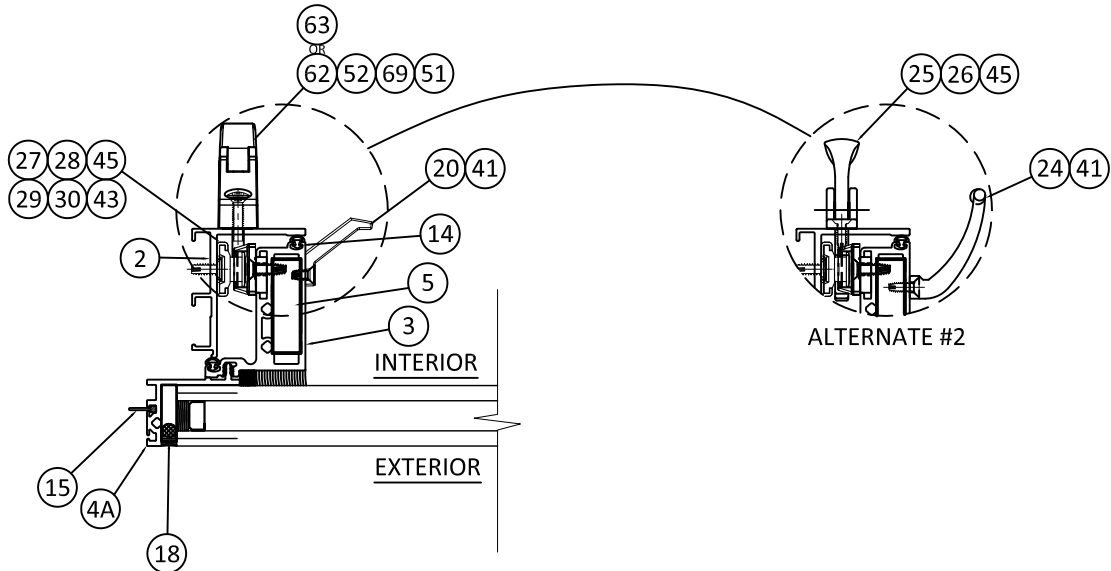
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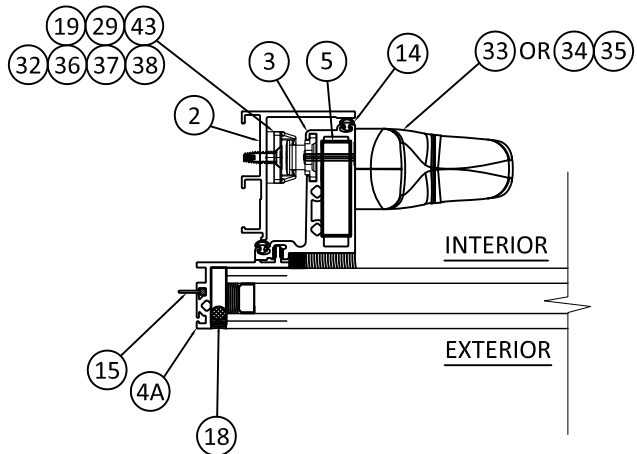
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N7 HORIZONTAL SECTION
VENT HINGE JAMB - YKK AP WALL SYSTEM
CAPTURED - FIELD GLAZED



O7 HORIZONTAL SECTION
ALTERNATE LOCK #1
FRAME MULTI POINT LOCK (FMPL)



P7 HORIZONTAL SECTION
ALTERNATE LOCK #1
VENT MULTI POINT LOCK (VMPL)

FMPL AND VMPL DETAILS SHOWN IN DETAILS O/7 AND P/7 ARE QUALIFIED FOR USE IN LOCK JAMB DETAILS ON SHEETS 6 AND 7 PER THE LIMITATIONS ON SHEET 3. SSG/OFFSET VENT SHOWN ABOVE, QUALIFIED FOR CAPTURED VENT.

* INTERIOR PERIMETER SEALANT IS OPTIONAL.



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

TITLE:
YOV SSG CASEMENT WINDOW
(NON-HVHZ) (NON-IMPACT)
VERTICAL AND HORIZONTAL
SECTION 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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FL #:	FL17097
DATE:	11.27.17
DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK201
SHEET:	7

CURTAIN WALL DETAIL



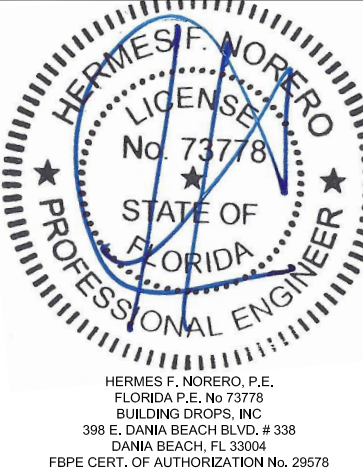
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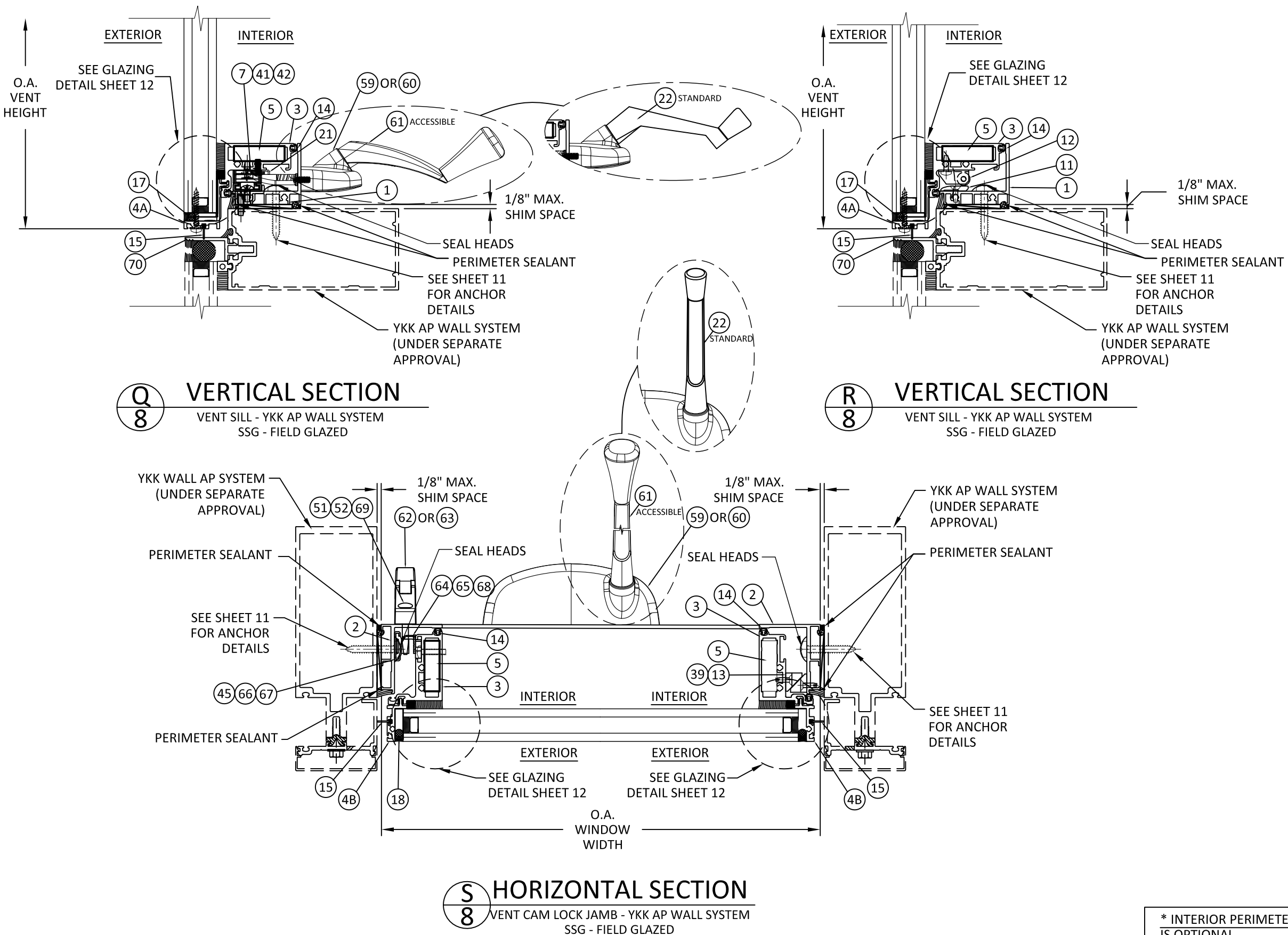
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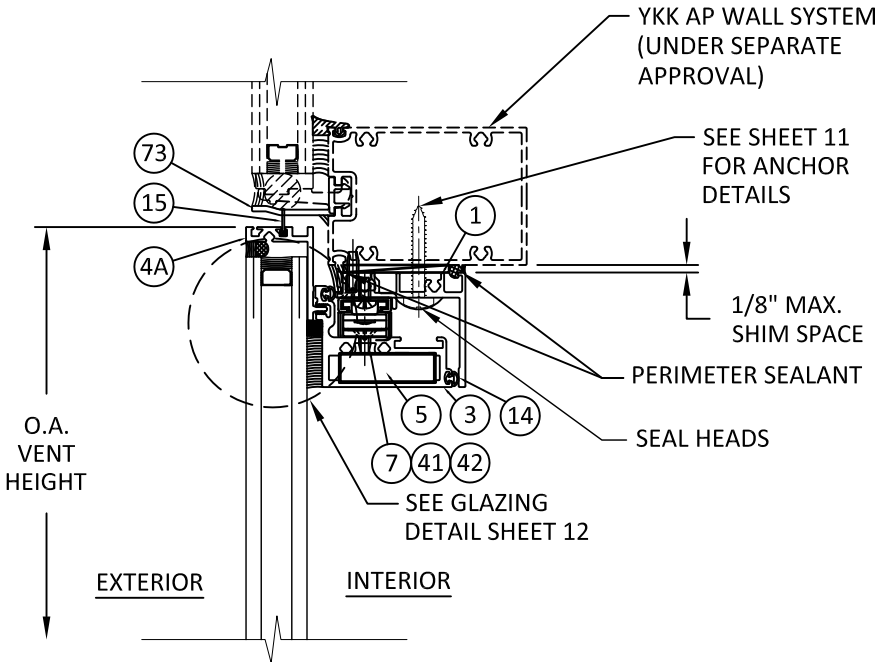
FL #:	FL17097
DATE:	11.27.17
DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK201
SHEET:	8 OF 13

* INTERIOR PERIMETER SEALANT IS OPTIONAL.

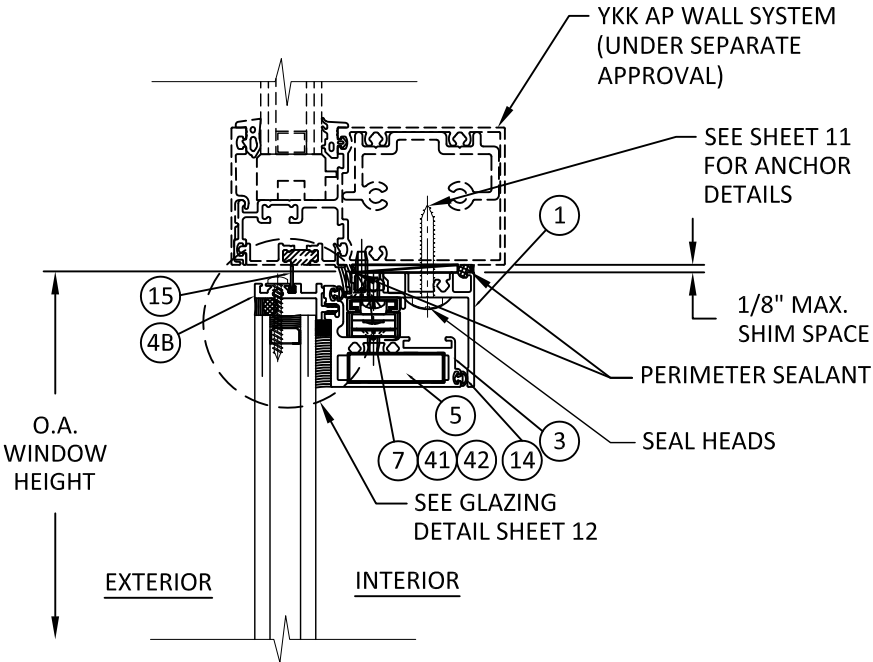


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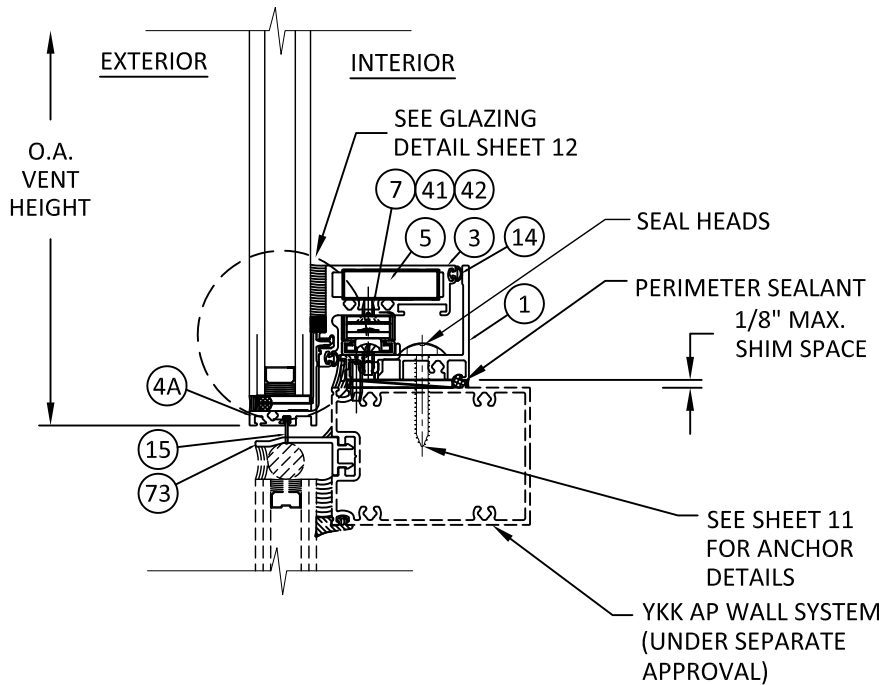
WINDOW WALL DETAIL



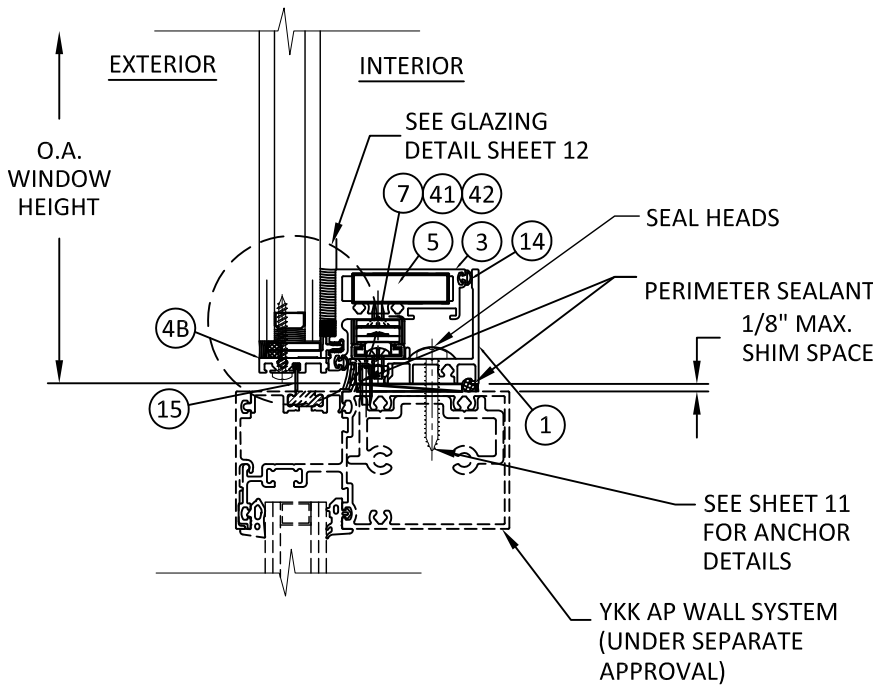
T
9 VERTICAL SECTION
VENT HEAD - YKK AP WALL SYSTEM
SSG - FOR YWW 50 TU & YWW 60 TU



U
9 VERTICAL SECTION
VENT HEAD - YKK AP WALL SYSTEM
CAPTURED - FOR YWW 45T/TU/FI & YWW 50T



V
9 VERTICAL SECTION
VENT SILL - YKK AP WALL SYSTEM
SSG - FOR YWW 50 TU & YWW 60 TU



W
9 VERTICAL SECTION
VENT SILL - YKK AP WALL SYSTEM
CAPTURED - FOR YWW 45T/TU/FI & YWW 50 T

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VERTICAL AND HORIZONTAL
SECTION DETAILS

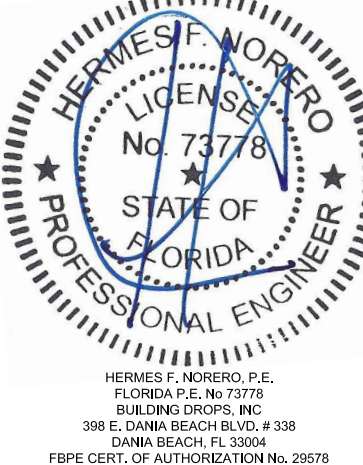
PREPARED BY:



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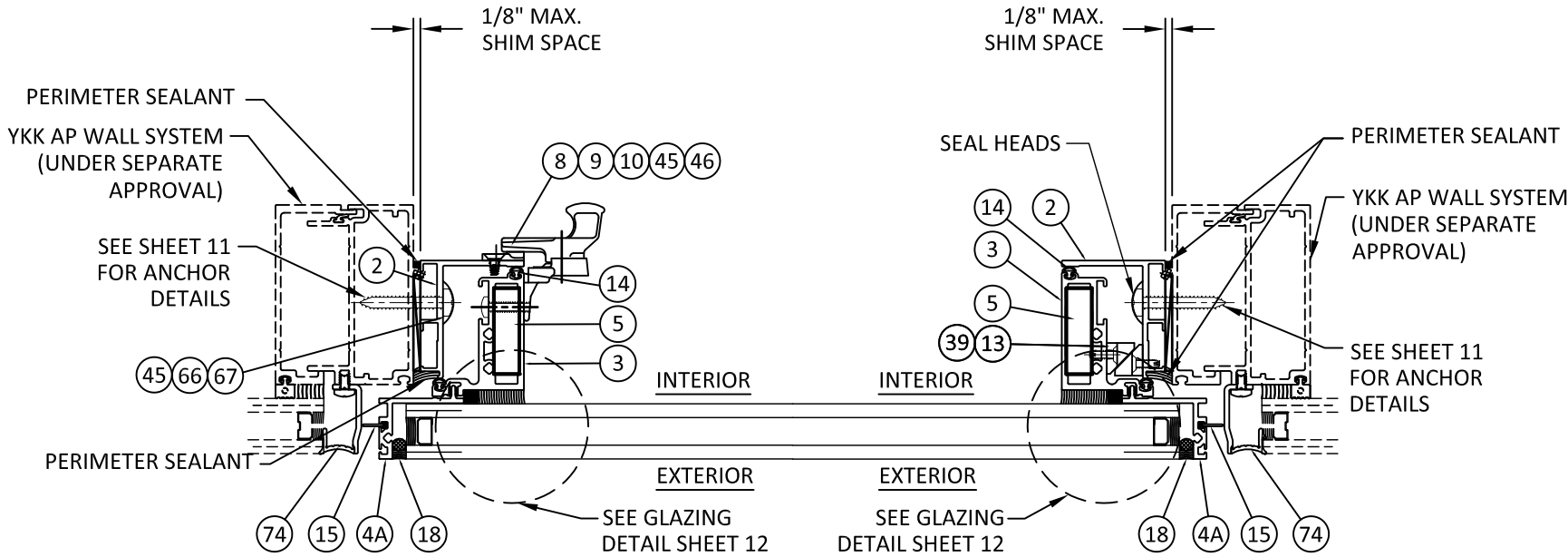
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DWG. #: YKK201

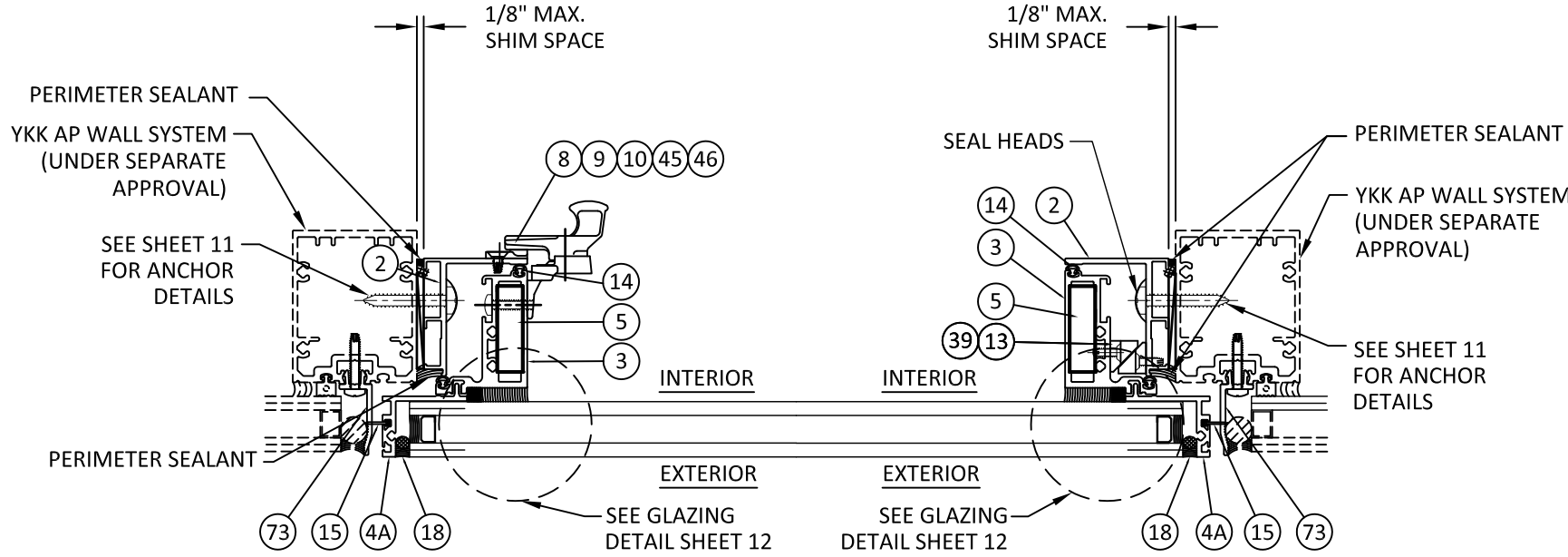
SHEET:
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OF 13

WINDOW WALL DETAIL



X-10 HORIZONTAL SECTION
LOCK JAMB - HINGE JAMB
YWW 50 / 60 TU - SSG



Y-10 HORIZONTAL SECTION
LOCK JAMB - HINGE JAMB
YWW 45 T/TU/FI & YWW 50 T - SSG

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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: **11.27.17**

DWG. BY: **SM** CHK. BY: **HFN**

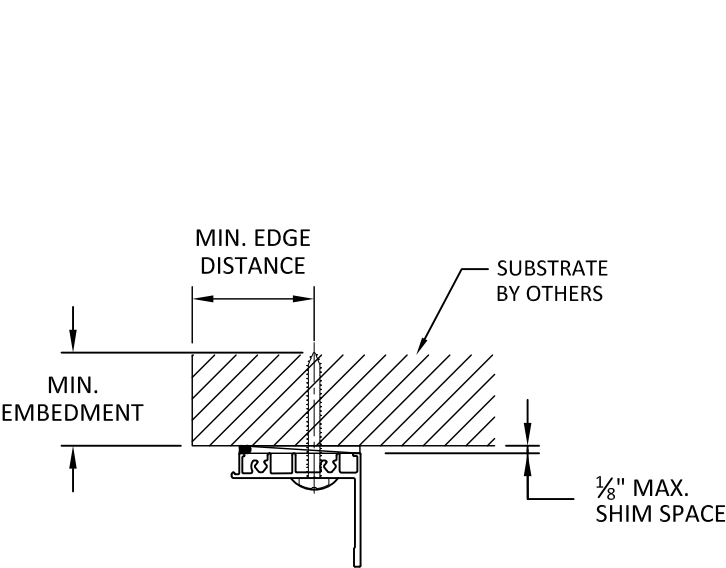
SCALE: **NTS**

DWG. #: **YKK201**

SHEET:
10 OF 13

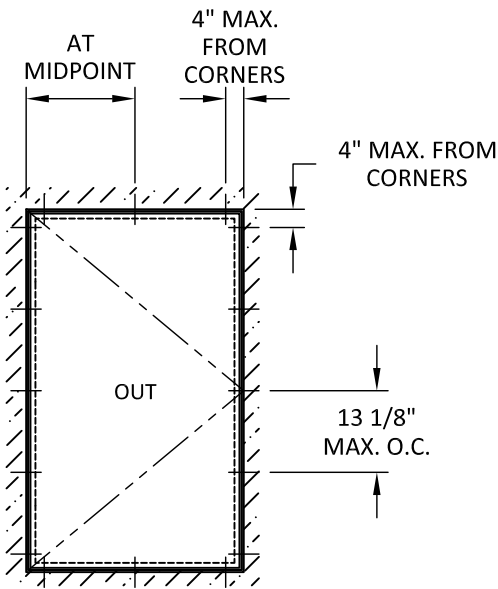
INSTALLATION NOTES:

- 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 1/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 6. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 7. 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.
- 8. 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.
- 9. INSTALLATION METHODS SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR SEALING WINDOWS AND ACCESSORY ITEMS.



ANCHOR DETAIL

SILL & JAMB HAVE A SIMILAR DETAIL.



ANCHOR LAYOUT

ANCHOR SCHEDULE					
INSTALLATION TYPE	SUBSTRATE	SUBSTRATE REQUIREMENTS	ANCHOR TYPE	MIN. EMBEDMENT (IN.)	MIN. EDGE DISTANCE (IN.)
THRU FRAME	WOOD	MIN. S.G. = 0.55	#12 WOOD ANCHOR	1.50	0.75
	CONCRETE	MIN. 3000 PSI COMPRESSIVE STRENGTH	3/16" ITW TAPCON	1.25	2.50
	GROUT FILLED MASONRY	ASTM C-90 MIN. 2000 PSI COMPRESSIVE STRENGTH	3/16" ITW TAPCON	1.25	2.50
	STEEL STUD	MIN. 16 GA. Fy = 33 KSI	#12 SELF-TAPPING SCREW	3 THREADS	0.75
	ALUMINUM	MIN. 1/8" 6063-T5	#12 SELF-TAPPING SCREW	3 THREADS	0.75



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INSTALLATION & ANCHOR DETAILS

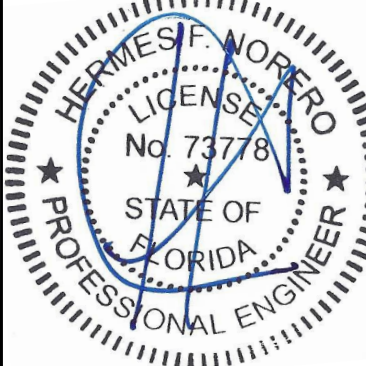
PREPARED BY: BUILDING DROPS, INC.

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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

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CHK. BY: HFN

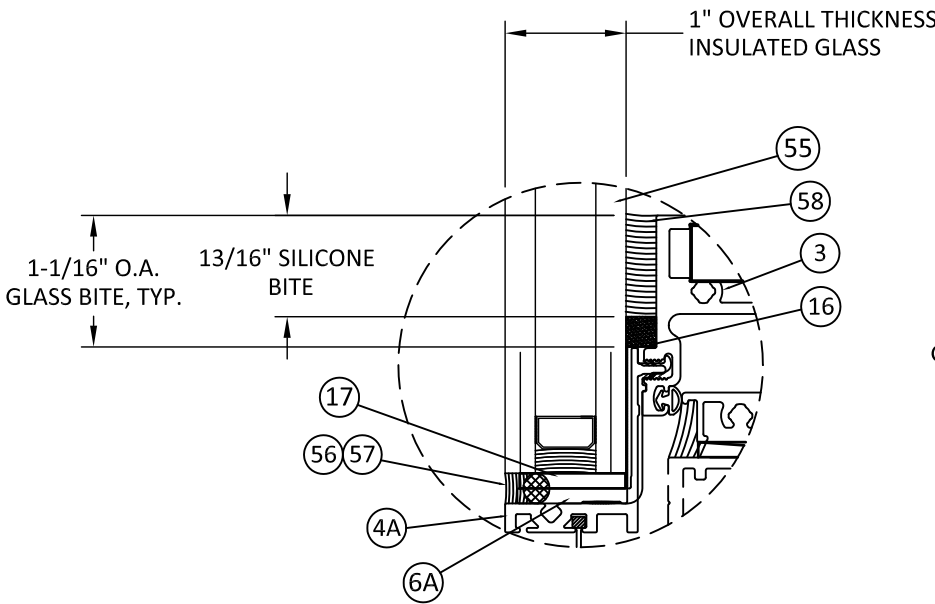
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DWG. #: YKK201

SHEET:

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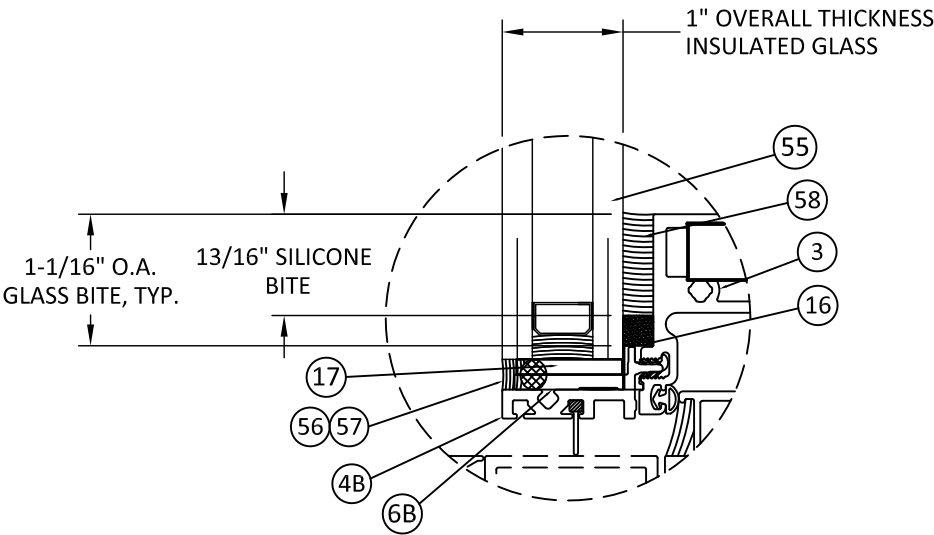
OF 13



GLAZING DETAIL G1
OFFSET/SSG VENT
NON-IMPACT RATED

GLAZING NOTES:

1. GLAZING SELECTION SHALL MEET SAFETY GLAZING REQUIREMENTS PER CH. 24 OF CURRENT FBC.
2. GLASS SHALL BE SET WITH THE USE OF SETTING BLOCKS IN ACCORDANCE WITH FBC CHAPTER 24 AS APPLICABLE.
3. GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
4. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
5. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
6. DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLE ON SHEET 1



GLAZING DETAIL G2
CAPTURED VENT
NON-IMPACT RATED

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.



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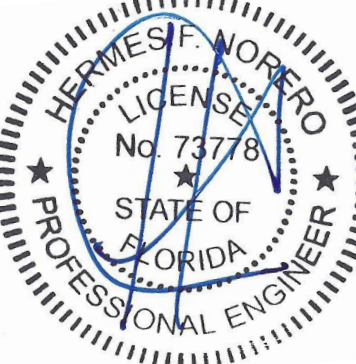
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YOV SSG CASEMENT WINDOW
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GLAZING DETAILS

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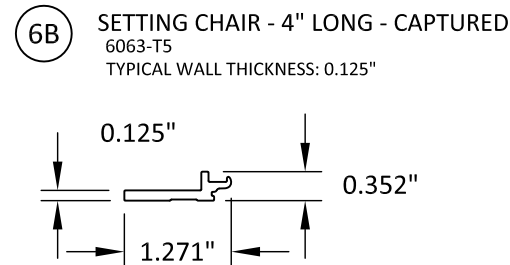
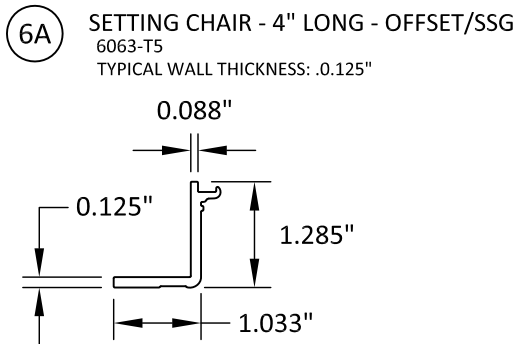
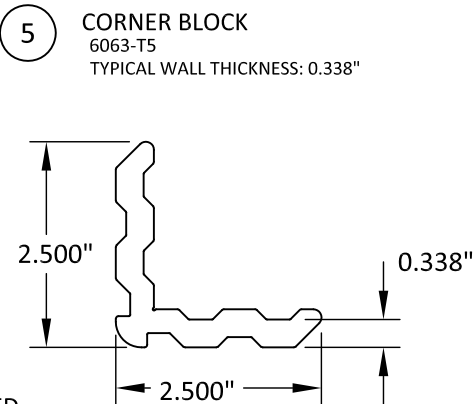
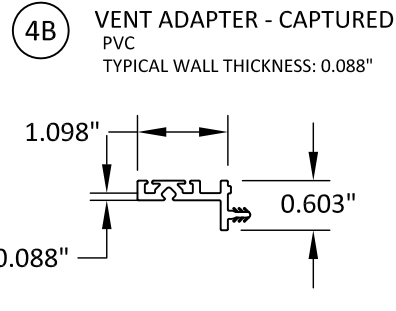
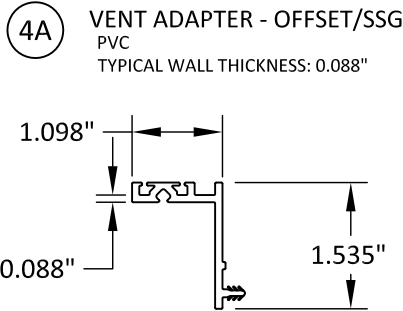
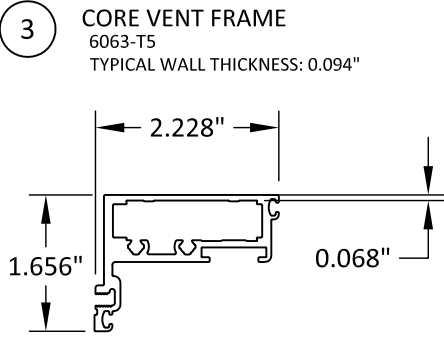
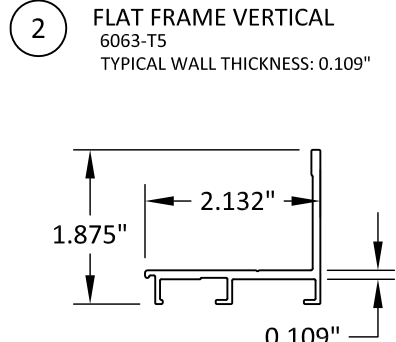
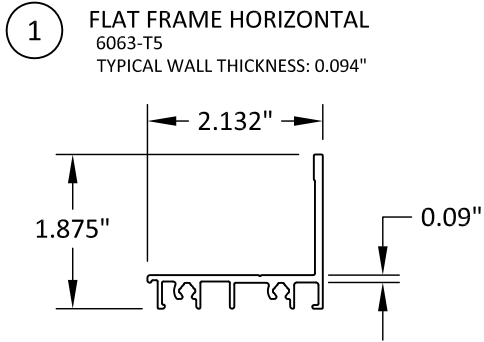


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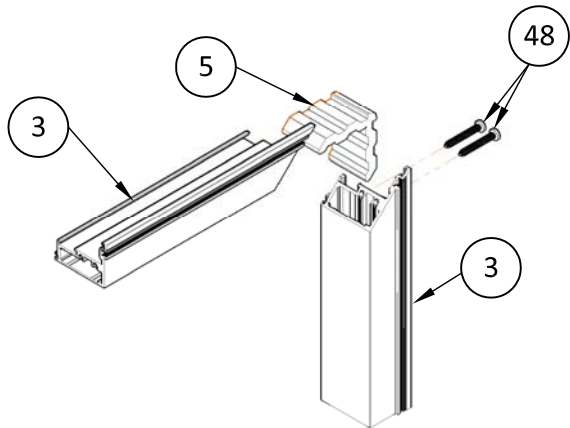
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YOVSOG - BILL OF MATERIAL

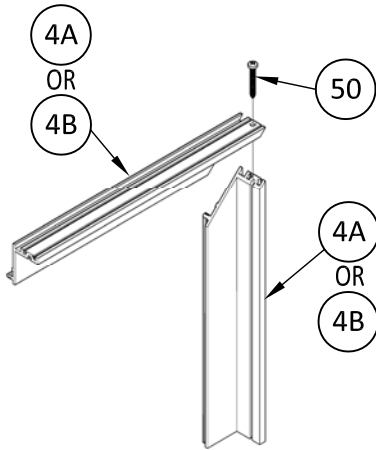
ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER
1	E9-4129	FLAT FRAME HORIZONTAL	6063-T5	YKK AP
2	E9-4130	FLAT FRAME VERTICAL	6063-T5	YKK AP
3	E9-4139	CORE VENT FRAME	6063-T5	YKK AP
4A	E2-0270	VENT ADAPTER-OFFSET/SSG	PVC	CENTRAL PLASTICS
4B	E2-0271	VENT ADAPTER- CAPTURED	PVC	CENTRAL PLASTICS
5	E1-1950	CORNER BLOCK	6063-T5	YKK AP
6A	E1-1851	SETTING CHAIR-4" LONG-OFFSET/SSG	6063-T5	YKK AP
6B	E1-1852	SETTING CHAIR-4" LONG-CAPTURED	6063-T5	YKK AP
7A	4K14207	12" 4 BAR HINGE (FOR CO AND PO)	STAINLESS STEEL	YKK AP
7B	4K14208	16" 4 BAR HINGE (FOR CO)	STAINLESS STEEL	YKK AP
7C	5K15284	16" 5 BAR HINGE (FOR PO)	STAINLESS STEEL	YKK AP
7D	E1-1908	28" 4 BAR HINGE (FOR PO)	STAINLESS STEEL	AMC/CALDWELL OR EQ.
7E	E1-1984	12" 4 BAR HINGE (FOR PO) 20° MAX. OPEN	STAINLESS STEEL	AMC/CALDWELL OR EQ.
7F	E1-1986	12" 4 BAR HINGE (FOR CO) 20° MAX. OPEN	STAINLESS STEEL	AMC/CALDWELL OR EQ.
8	E1-1577	CAM HANDLE (R)	WHITE BRONZE	BRONZECRAFT OR EQUAL
9	E1-1578	CAM HANDLE (L)	WHITE BRONZE	BRONZECRAFT OR EQUAL
10	E1-1579	KEEPER	WHITE BRONZE	BRONZECRAFT OR EQUAL
11	E1-1525	GUIDE RAMP	6063-T5	YKK AP
12	K1-8522	GUIDE ROLLER	STAINLESS STEEL	YKK AP
13	E3-1103	SNUBBER	NYLON	AMC OR EQUAL
14	E2-0625	AT GASKET	SANTOPRENE	TRELLEBORG OR EQUAL
15	E2-0272	FINGER SHADOW GASKET	SANTOPRENE	CENTRAL PLASTICS
16	E2-0110	SPACER TAPE - 3/4" X 1/2"	URETHANE FOAM	TREMCO OR EQUAL
17	E2-7011PC	SETTING BLOCK	EPDM PC	TREMCO OR EQUAL
18	E2-0761PC	SIDE BLOCK	EPDM PC	TREMCO OR EQ.
19	E1-1953	1/8" SHIM	PLASTIC	AMC OR EQUAL
20	E1-1981	PULL HANDLE	ZAMACK	AMESBURY TRUTH
21	E1-9931	TRACK	STAINLESS	TRUTH OR EQUAL
22	E1-9932	HANDLE - STANDARD	ZAMACK	TRUTH OR EQUAL
23	E2-9912	GASKET	FOAM RUBBER	TRUTH OR EQUAL
24	E1-1508	PULL HANDLE	WHITE BRONZE	BRONZECRAFT OR EQUAL
25	E1-1505	MULTI-POINT HANDLE	WHITE BRONZE	BRONZECRAFT OR EQUAL
26	E2-0618	MULTI-POINT HANDLE GASKET	POLYURETHANE	BRONZECRAFT OR EQUAL
27	E1-1954	LOCK BAR - BASE	STAINLESS/ALUM.	AMC/CALDWELL OR EQ.
28	E1-1955	LOCK BAR - EXTENSION	STAINLESS/ALUM.	AMC/CALDWELL OR EQ.
29	E1-1952	KEEPER	STAINLESS	AMC/CALDWELL OR EQ.
30	E3-1141	SPACER	ABS	YKK AP
31	H-1901	HP SNUBBER	CAST ALUMINUM	AMC/CALDWELL OR EQ.
32	H-1902	HANDLE CONNECTOR	ZAMACK	AMC/CALDWELL OR EQ.
33	H-1903	HANDLE	ZAMACK	AMC/CALDWELL OR EQ.
34	H-1904	CUSTODIAL HANDLE	ZAMACK	AMC/CALDWELL OR EQ.
35	E1-1951	SECURITY WRENCH	STEEL	AMC/CALDWELL OR EQ.
36	E1-1836	LOCK PLATES	STAINLESS	AMC/CALDWELL OR EQ.
37	E1-1837	CORNER DRIVE	ZAMACK/STAINLESS	AMC/CALDWELL OR EQ.
38	E3-1201	CONNECTING BAR	POLYAMIDE	TECHNOFORM OR EQUAL
39	FF0808-SS	#8-32 x 1/2" FHMS TYPE F	STAINLESS STEEL	
40	PF0808-SS	#8-32 x 1/2" PHMS TYPE F	STAINLESS STEEL	
41	PF1006-SS	#10-24 x 3/8" PHMS TYPE F	STAINLESS STEEL	
42	FF1006-SS	#10-24 x 3/8"	STAINLESS STEEL	
43	FF1010-SS	#10-24 x 5/8"	STAINLESS STEEL	
44	FF1012-SS	#10-24 x 3/4"	STAINLESS STEEL	
45	UF1008-SS	#10-24 x 1/2" UCFH TYPE F	STAINLESS STEEL	
46	PM1012-SS	#10-24 x 3/4" PHMS	STAINLESS STEEL	
47	PC1016-SS	#10 x 1" PHMS TYPE AB	STAINLESS STEEL	
48	PC1024-SS	#10 x 1 1/2" PHMS TYPE AB	STAINLESS STEEL	
49	PF1008-SS	#10-24 x 1 1/2" PHMS TYPE F	STAINLESS STEEL	
50	PA-0820-SS	#8 x 1 1/4"	STAINLESS STEEL	
51	PO-1012SS	#10-32 X 3/4" POHMSSS	STAINLESS STEEL	
52	E1-1980	BACKER PLATE	STAINLESS STEEL	CALDWELL
53	E2-0291	FOAM PAD (5-10# DENSITY) - CAPTURED VENT	POLYETHYLENE	TSG. OR EQ.
54	E2-0288	FOAM PAD (5-10# DENSITY) - OFFSET VENT	POLYETHYLENE	TSG. OR EQ.
55		1" INSULATED GLASS		VIRACON OR EQ.
56		3/8"Ø BACKER ROD OPEN CELL		CRL OR EQ.
57		SILICONE		TREMCO OR EQUAL
58		STRUCTURAL SILICONE		PECORA OR EQUAL
59A	E1-1987	8" SINGLE ARM OPERATOR LH	ZAMACK/STEEL	TRUTH
59B	E1-1989	14" SINGLE ARM OPERATOR LH	ZAMACK/STEEL	TRUTH
60A	E1-1988	8" SINGLE ARM OPERATOR RH	ZAMACK/STEEL	TRUTH
60B	E1-1990	14" SINGLE ARM OPERATOR RH	ZAMACK/STEEL	TRUTH
61	E1-1983	LARGE HANDLE CRANK - ACCESSIBILITY	ZAMACK	TRUTH
62	E1-1966	STANDARD MPL HANDLE	ZAMACK	CALDWELL
63	E1-1994	EXTENDED MPL HANDLE	ZAMACK	CALDWELL
64	4K-18584	KEEPER	PLATED STEEL	YKK AP
65	E1-1751	KEEPER SCREW	STAINLESS STEEL	YKK AP
66	E1-2001	LOCK BAR	SS/ALUM.	CALDWELL
67	E1-2002	LOCK BAR EXTENSION	SS/ALUM.	CALDWELL
68	E3-1168	SPACER	ABS/NYLON	M&M PLASTICS
69	E1-1979	HANDLE GASKET	BUTYL	CALDWELL



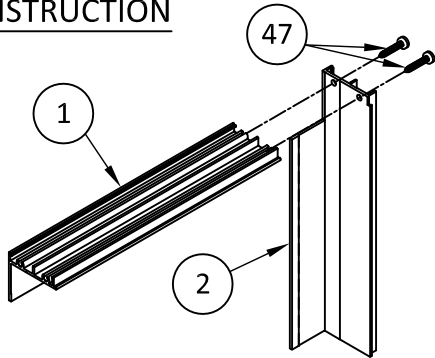
VENT CORNER CONSTRUCTION



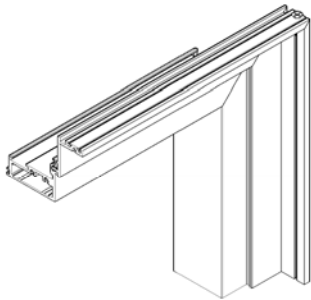
PVC CORNER CONSTRUCTION



FLAT FRAME CORNER CONSTRUCTION



VENT CORNER AND PVC ASSEMBLED



70	E2-0297	YCW ADAPTOR	PVC	CENTRAL PLASTIC
71	E2-0298	YCW ADAPTOR	PVC	CENTRAL PLASTIC
72	E9-3435	YCW ADAPTOR	6063-T5	YKK AP
73	E2-0264	YWW ADAPTOR	PVC	CENTRAL PLASTIC
74	E2-0263	YWW FLEXIBLE ADAPTOR	PVC / ALCYRN	CENTRAL PLASTIC



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

TITLE:
YOVSOG CASEMENT WINDOW
(NON-HVHZ) (NON-IMPACT)

BILL OF MATERIALS
AND COMPONENTS

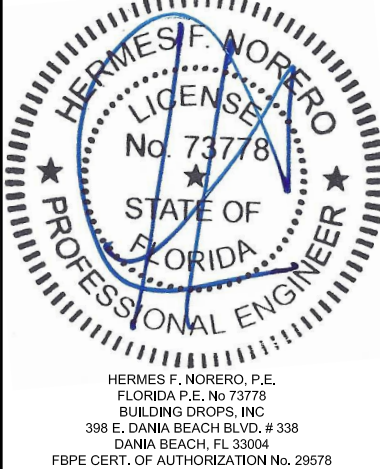
PREPARED BY:
BUILDING DROPS, INC.

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

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.



FL #:

FL17097

DATE: 11.27.17

DWG. BY: SM

CHK. BY: HFN

SCALE: NTS

DWG. #: YKK201

SHEET:

13

OF 13