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YKK AP AMERICA, Inc.

YOV SSG PROJECT OUT 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/A440-17

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 MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 14 FOR GLAZING DETAILS.

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DESIGN PRESSURE TABLE				
VENT SIZE	MAX. FRAME SIZE	MAX. DP	LOCK OPTIONS	IMPACT RATING
62" x 38"	60 1/2" X 36 1/2"	+70/-70 PSF	CAM, FMPL, OR VMPL	NON-IMPACT
62" x 38"	60 1/2" X 36 1/2"	+100/-100 PSF	VMPL	
58 3/4" x 94 3/4"	57 1/4" X 93 1/4"	+55/-55 PSF	VMPL	
**45 1/2" x 79 5/8"	44" X 80"	+45/-45 PSF	FMPL/ROTARY	

*SEE SHEETS 4,5 & 6 FOR ADDITIONAL QUALIFIED VENT SIZES
**MEETS THE REQUIREMENTS OF AAMA 513-14 FORCES AND MOTIONS



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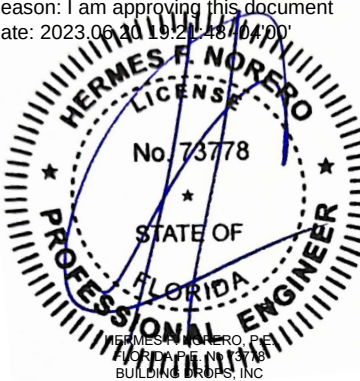
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YOV SSG PROJECT OUT WINDOW
(NON-HVHZ) (NON-IMPACT)
INSTALLATION & GENERAL NOTES

PREPARED BY:
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REMARKS	BY	DATE
ACCESS HARDWARE	SH	6.12.23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.06.20 19:21:48 -0400



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

FL #:

FL17098

DATE:

11.27.17

DWG. BY:

CHK. BY:

SM

HFN

SCALE:

NTS

DWG. #:

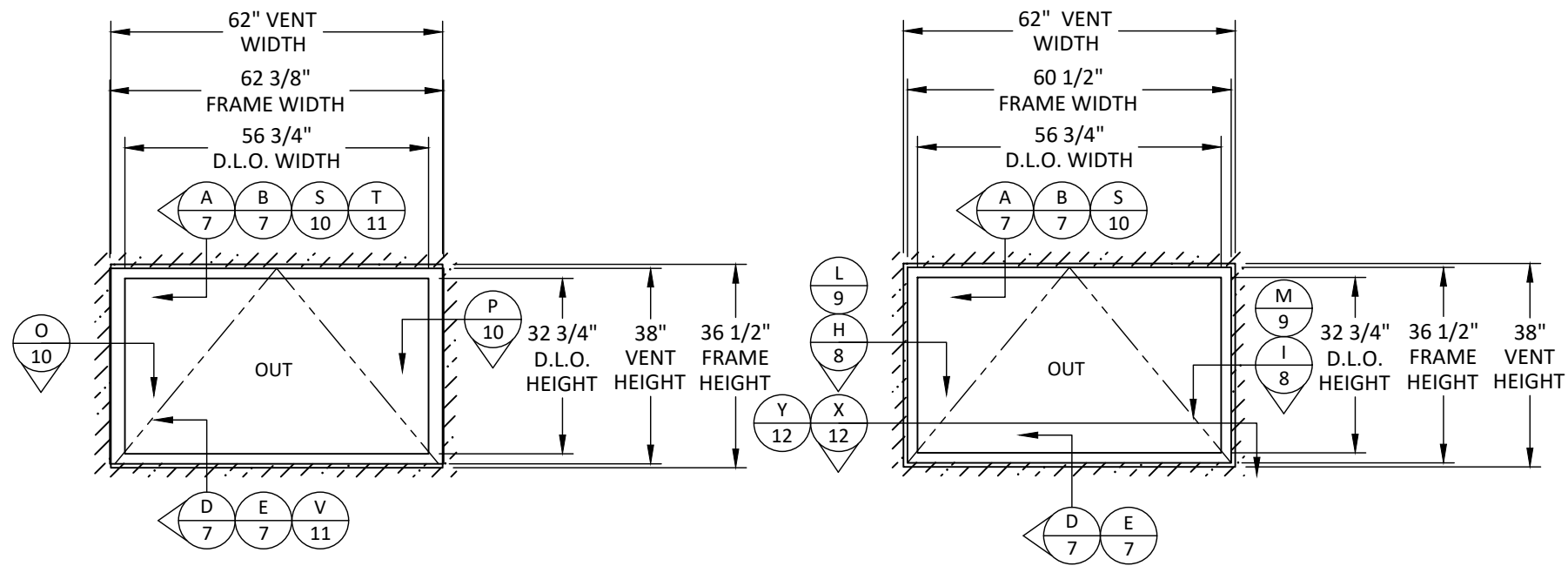
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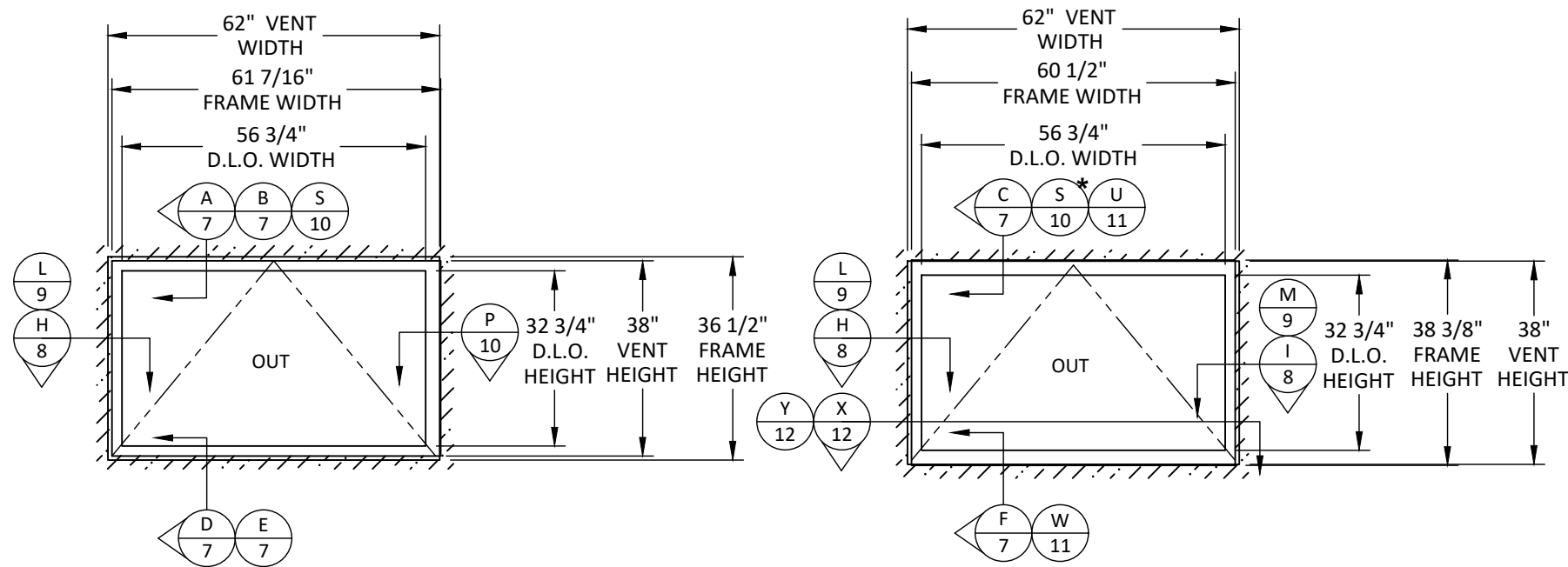
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ELEVATION
2 Sided SSG
CAPTURED VERTICALS

ELEVATION
4 Sided SSG



ELEVATION
3 Sided SSG
CAPTURED VERTICAL

ELEVATION
2 Sided SSG
CAPTURED HORIZONTALS

NOTE:
1) YOV SSG PROJECT OUT WINDOWS MAY BE USED WITHIN ANY NON-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 PROJECT OUT, THE LESSER DESIGN PRESSURE SHALL GOVERN.
4) SSG AND/OR CAPTURED VENT CONDITIONS ARE APPROVED IN ANY POSITION.



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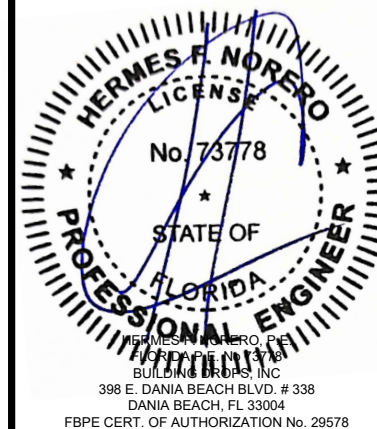
ELEVATIONS

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REMARKS	BY	DATE
ACCESS HARDWARE	SH	6.12.23

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SCALE: **NTS**

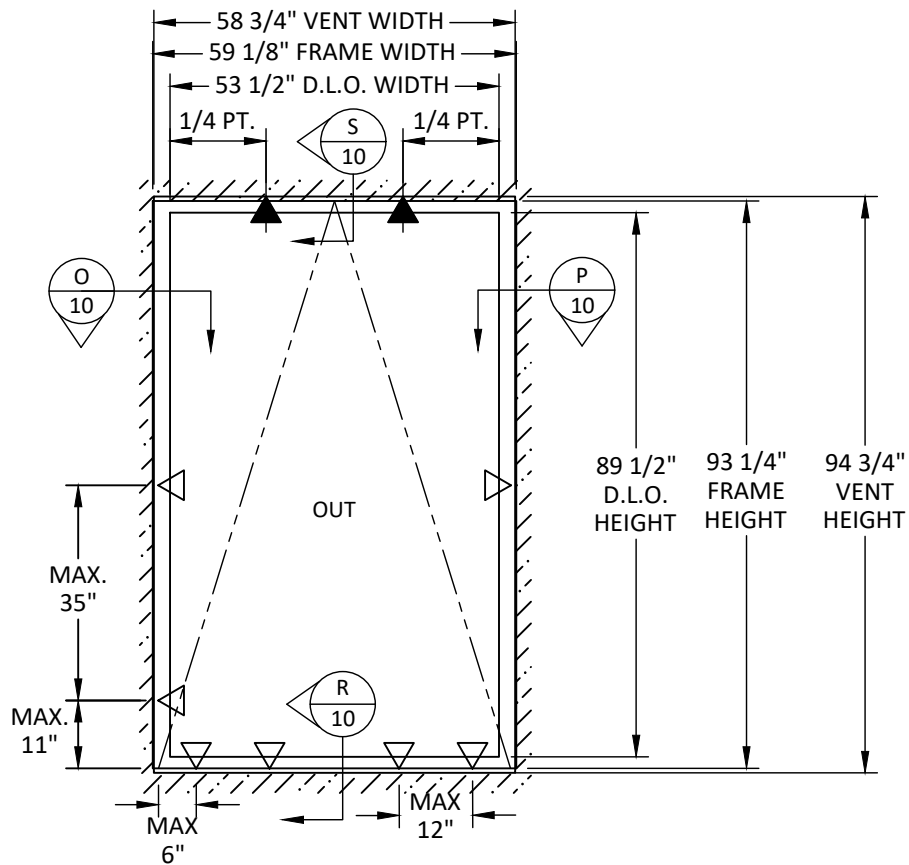
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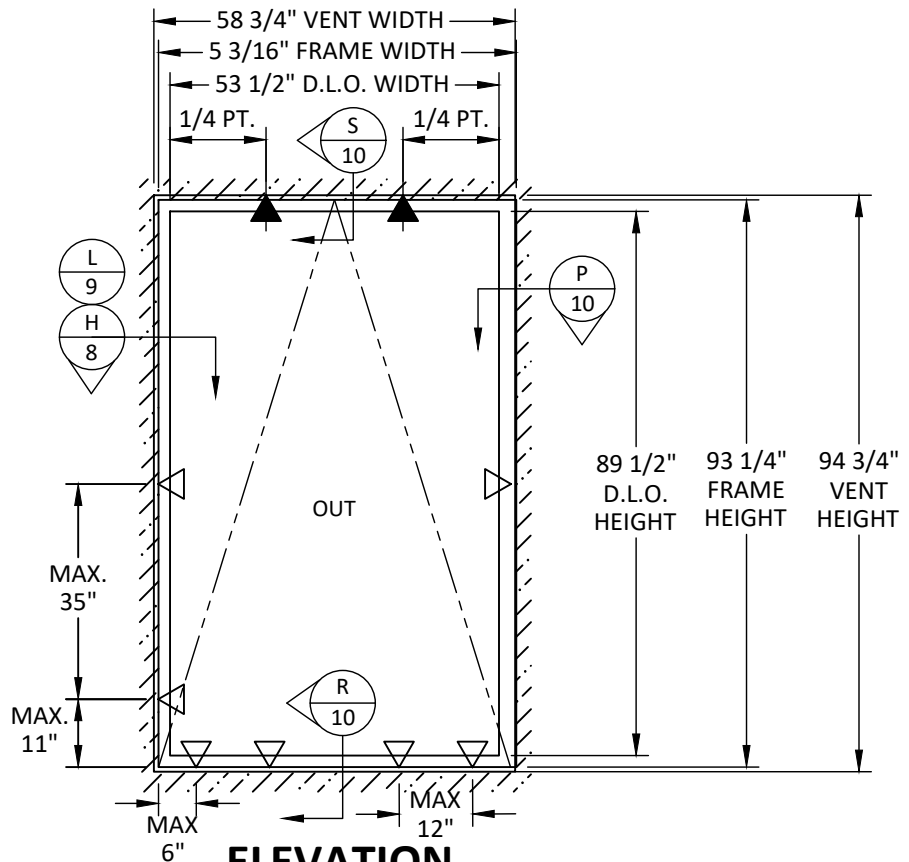
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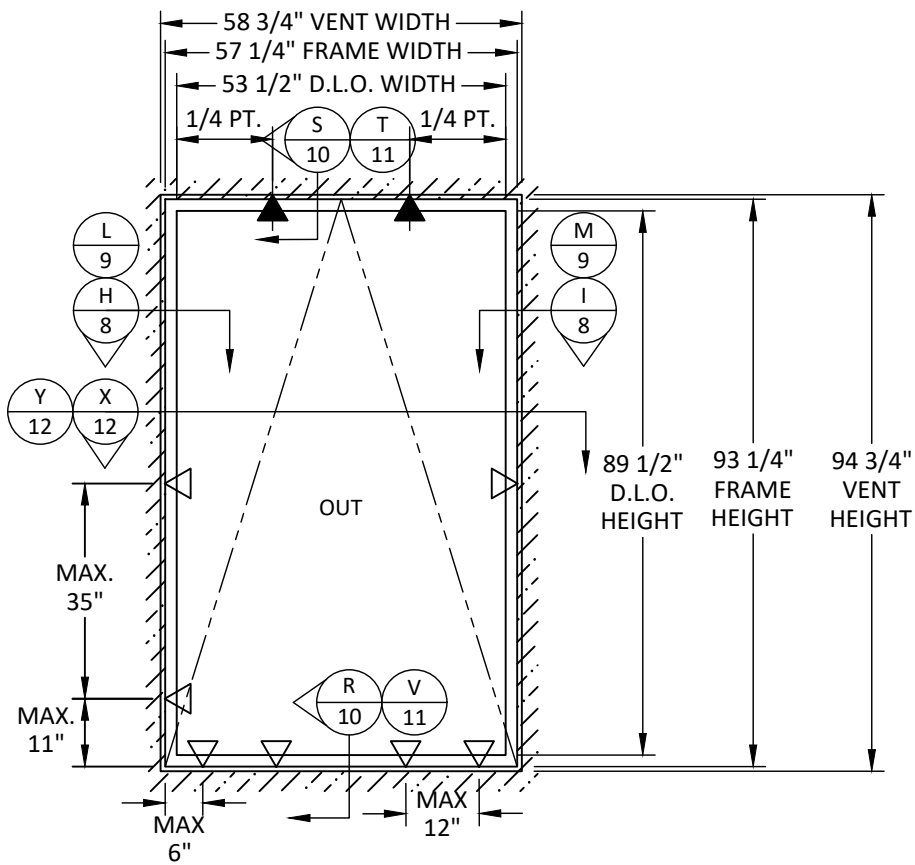
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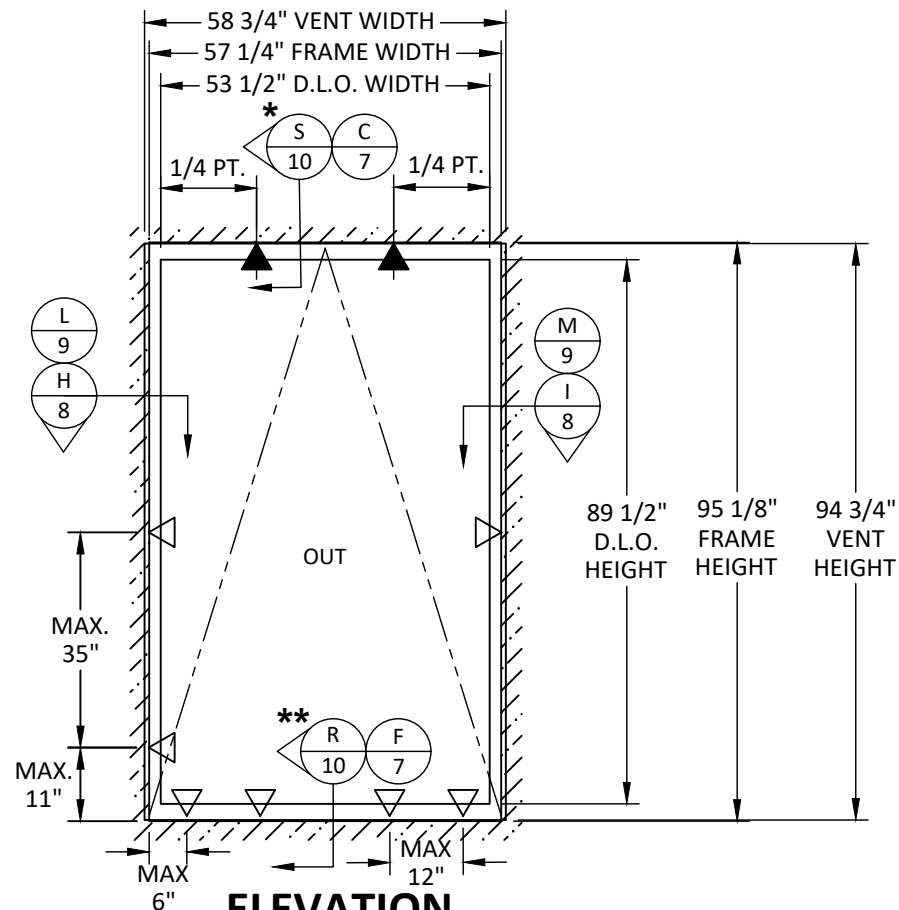
ELEVATION
2 SIDED SSG
CAPTURED VERTICALS



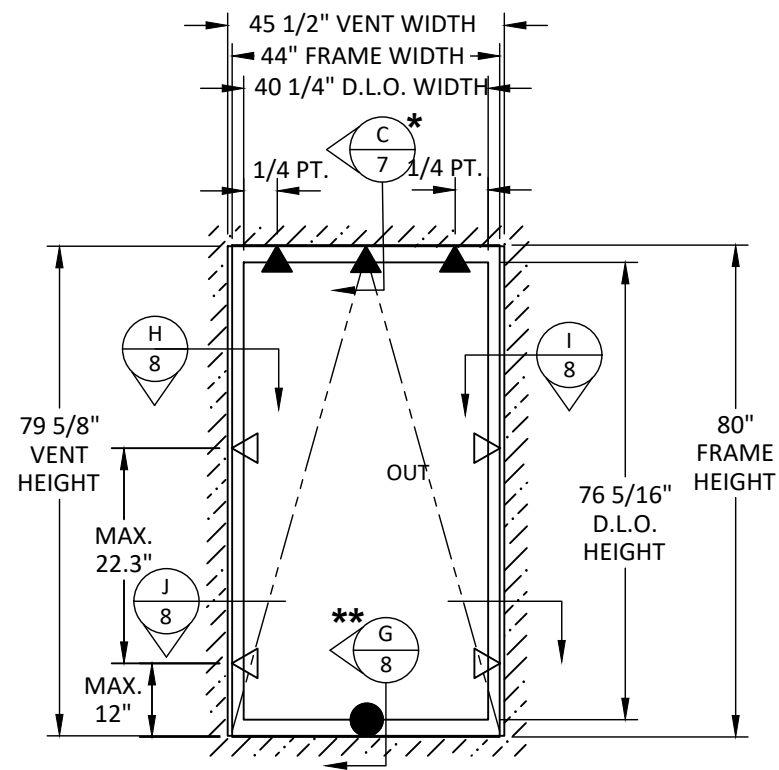
ELEVATION
3 SIDED SSG
CAPTURED VERTICAL



ELEVATION
4 SIDED SSG



ELEVATION
2 SIDED SSG
CAPTURED HORIZONTALS



ELEVATION
2 OR 3 SIDED SSG
CAPTURED HORIZONTALS

LEGEND:

- ▼ SNUBBER
- △ LOCK POINT
- ROTO OPERATOR
- * REFERENCE SNUBBER
- ** REFERENCE LOCK

NOTE:
APPROVED FOR ACCESSIBLE WINDOW
CONDITION



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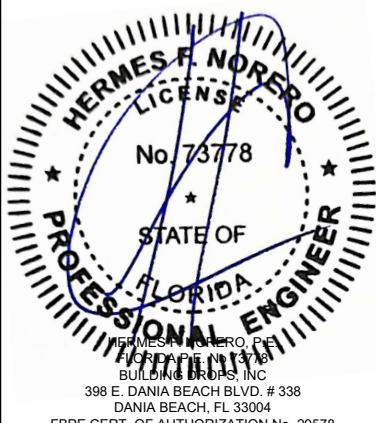
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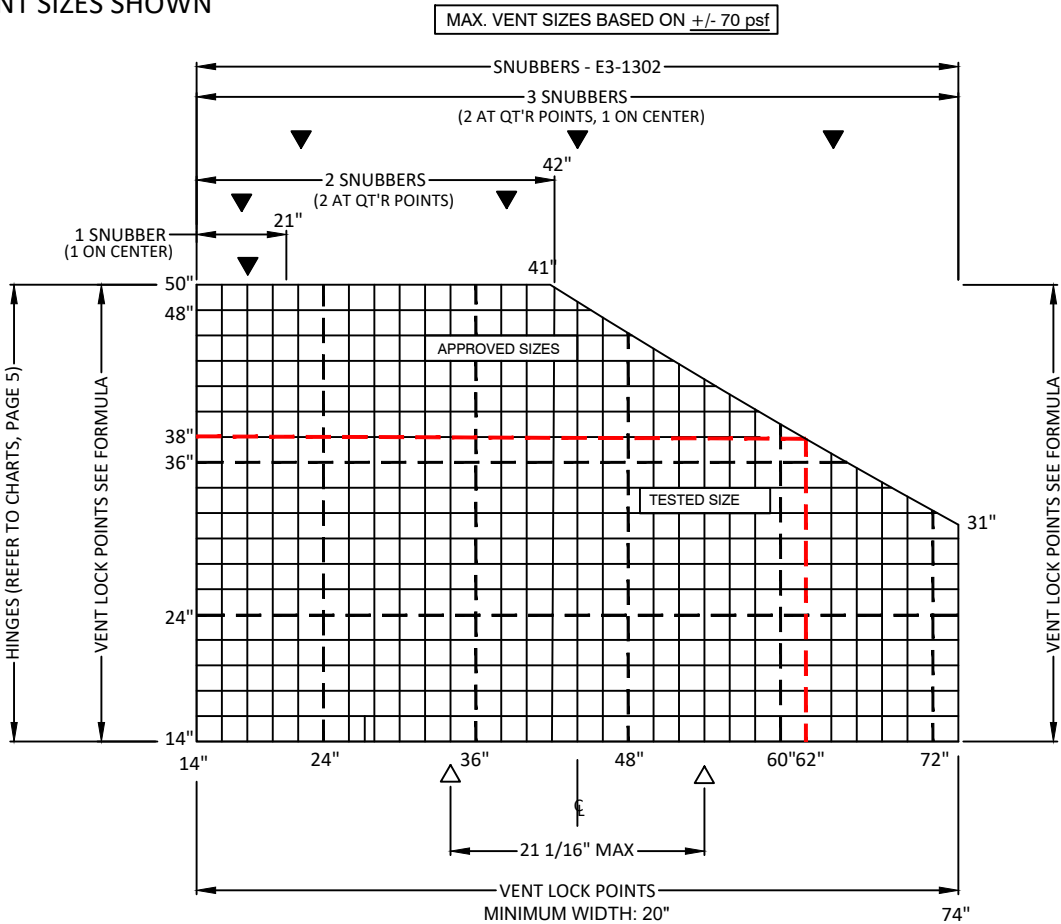


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DWG. #:	YKK202
SHEET:	3

ALLOWABLE VENT SIZES AND HARDWARE LOCATIONS

VMPL LOCKING SYSTEM

VENT SIZES SHOWN

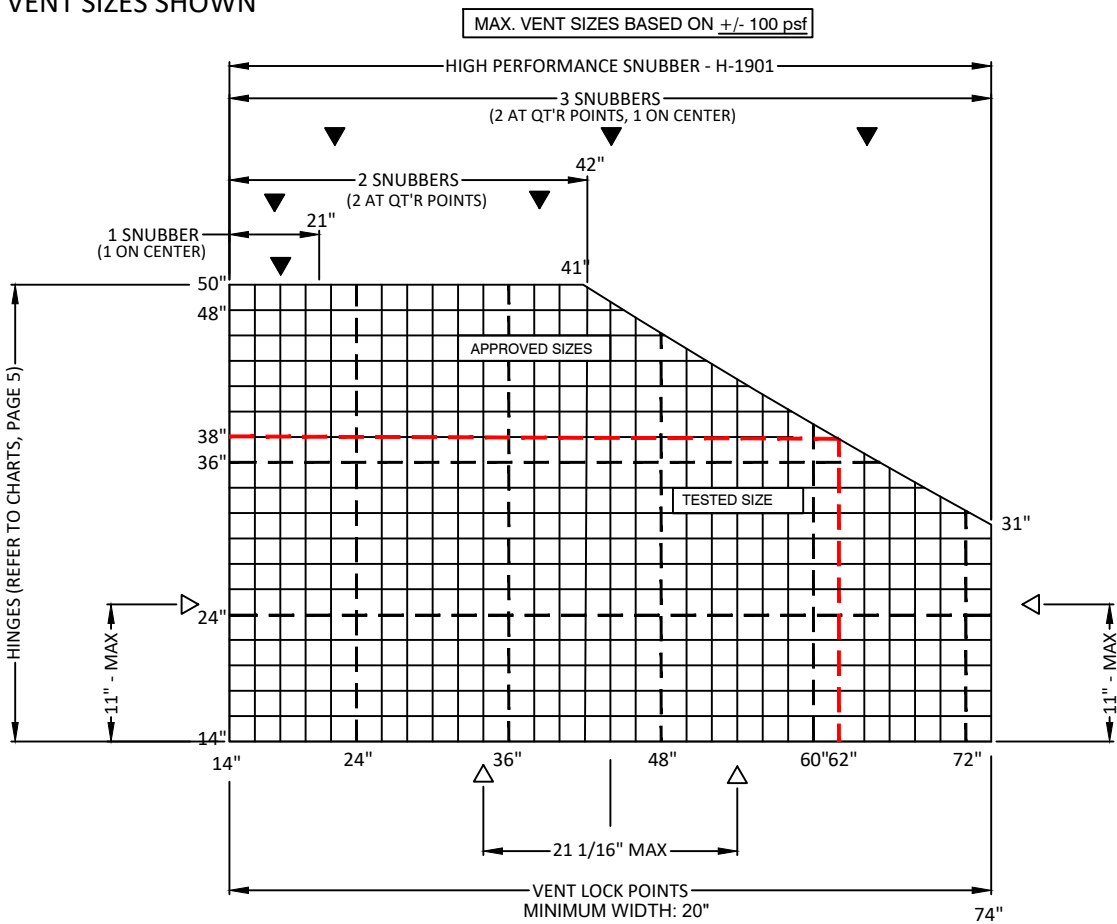


VMPL LOCK POINTS:
FRAME WIDTH IF FW = 20" ≤ 74.0" or 16.4 SQ.FT.- 2 LOCK POINTS REQUIRED
FRAME HEIGHT (FORMULA BASED) TO DETERMINE THE NUMBER OF LOCK POINTS SUBTRACT THE SUM OF THE (NOMINAL HINGE LENGTH + 2 1/2") FROM THE FRAME HEIGHT. EXAMPLE: 60" TALL WINDOW WITH 28" 4 BAR = 60"-(28"+2 1/2") = 29 1/2" THEREFORE 2 LOCK POINTS ARE REQUIRED - NO LOCK POINT REQUIRED IF RESULT IS < 19" - 1 LOCK POINT PER JAMB REQUIRED IF RESULT IS 19.1" < 29" - 2 LOCK POINTS PER JAMB REQUIRED IF RESULT IS ≥ 29.1"

SEE SHEET 5 FOR HINGE CHART

VMPL LOCKING SYSTEM

VENT SIZES SHOWN



HARDWARE SCHEDULE		
HARDWARE TYPE	OPTION #	DESCRIPTION.
LOCK TYPE	VMPL	ZAMACK #3, PLATED or PAINTED, H-1903 HANDLE, ON CENTER OF LOCK RAIL, STAINLESS STEEL, E1-1836 PAWL IN VENT EURO GEOOVES, STAINLESS STEEL AND ZAMACK #3 , E1-1837 CORNER TRANSMISSION IN VENT CORNER EURO GROOVES, CAST STAINLESS STEEL, E1-1952 KEEPER, AT SHOWN LOCK POINTS ON FRAME, PLASTIC, E1-1953 SHIM AT SHOWN LOCK POINTS ON FRAME.
SNUBBER	HIGH PERFORMANCE SNUBBER	6000 SERIES ALUMINUM,H-1901 SNUBBER (AT SHOWN POINTS ON FRAME AND VENT)
FRICTION HINGES	REFER TO HINGE CHART, SHEET 5 (ALL HINGES ARE STAINLESS STEEL)	



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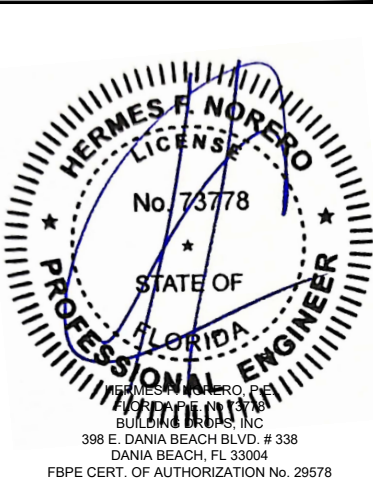
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ALLOWABLE VENT SIZES AND
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SCALE: NTS

DWG. #: YKK202

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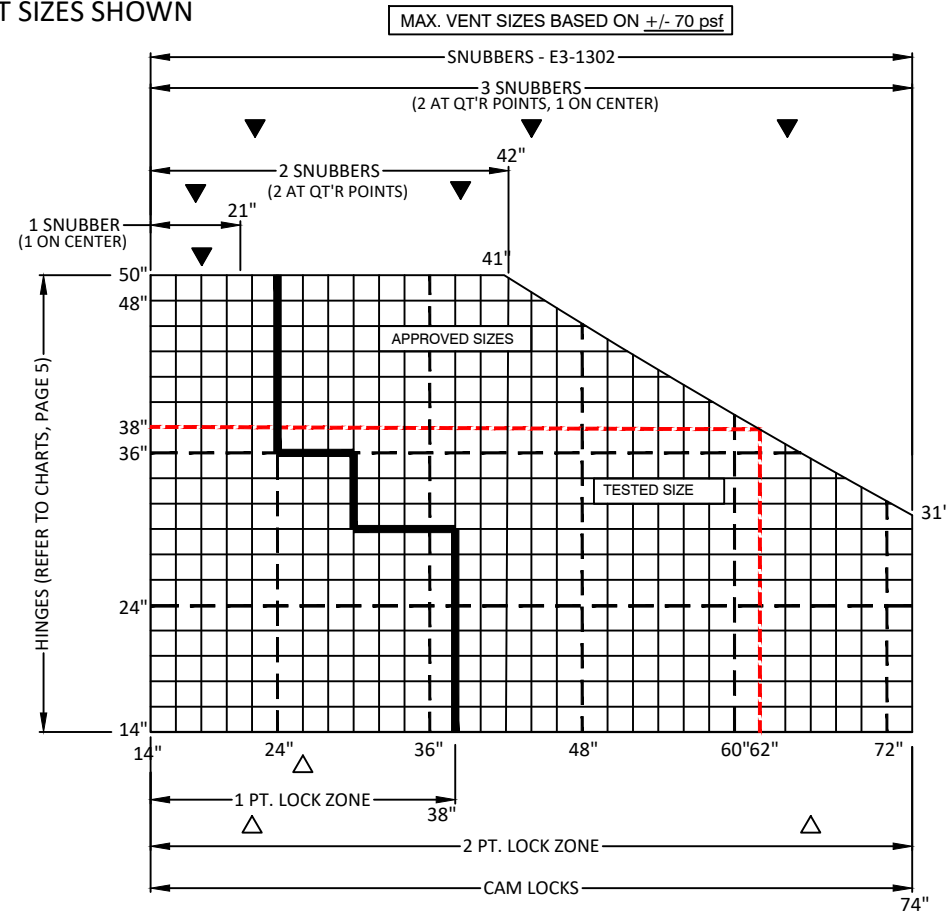
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OF 15

ALLOWABLE VENT SIZES AND HARDWARE LOCATIONS

CAM LOCKING SYSTEM

VENT SIZES SHOWN

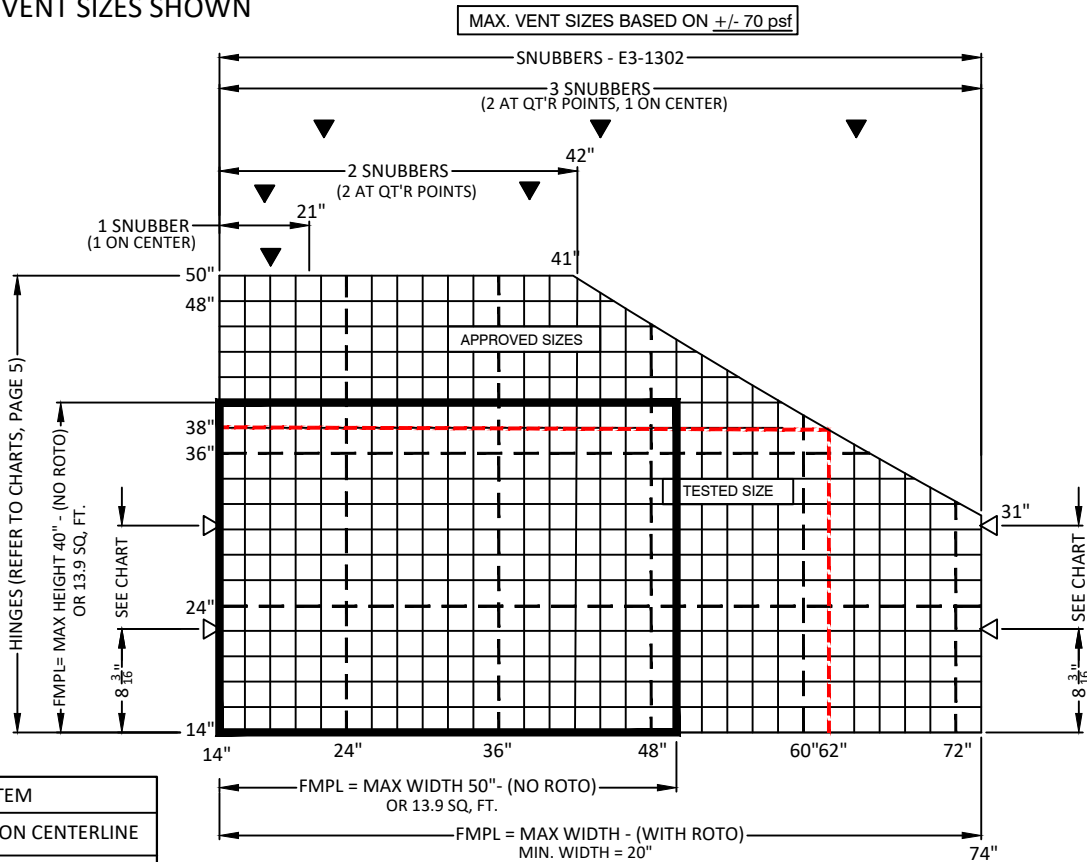


LEGEND	
	-SNUBBER
	-LOCK POINT

CAM LOCK SYSTEM	
1 LOCK POINT	LOCATED ON CENTERLINE
2 LOCK POINTS	8" FROM EACH JAMB

FMPL LOCKING SYSTEM

VENT SIZES SHOWN



FRAME MPL SYSTEM					
YOY SSG - PROJECT OUT WITH 12" 4 BAR HINGE					
MINIMUM FRAME HEIGHT DIMENSION	BASE BAR	BASE BAR PART NUMBER	EXTENSION BAR	EXTENSION BAR PART NUMBER	NUMBER OF LOCK POINTS / JAMB
24" - 30"	5 1/4"	E1-1954-000525	NONE		1

FRAME MPL SYSTEM					
YOY SSG - PROJECT OUT WITH 16" 5 BAR HINGE					
MINIMUM FRAME HEIGHT DIMENSION	BASE BAR	BASE BAR PART NUMBER	EXTENSION BAR	EXTENSION BAR PART NUMBER	NUMBER OF LOCK POINTS / JAMB
28" - 36"	5 1/4"	E1-1954-000525	NONE		1
36.1"-40"	5 1/4"	E1-1954-000525	6"	E1-1955-0006	2
40.1"-50"	5 1/4"	E1-1954-000525	12"	E1-1955-0100	2

FRAME MPL SYSTEM					
YOY SSG - PROJECT OUT WITH 22" 4 BAR HINGE					
MINIMUM FRAME HEIGHT DIMENSION	BASE BAR	BASE BAR PART NUMBER	EXTENSION BAR	EXTENSION BAR PART NUMBER	NUMBER OF LOCK POINTS / JAMB
34" - 40"	5 1/4"	E1-1954-000525	NONE		1
40.1"-46"	5 1/4"	E1-1954-000525	6"	E1-1955-0006	2
46.1"-50"	5 1/4"	E1-1954-000525	12"	E1-1955-0100	2

FRAME MPL SYSTEM							
YOY SSG - PROJECT OUT WITH 28" 4 BAR HINGE							
MINIMUM FRAME HEIGHT DIMENSION	BASE BAR	BASE BAR PART NUMBER	LOWER EXTENSION BAR	LOWER EXTENSION BAR NUMBER	UPPER EXTENSION BAR	UPPER EXTENSION BAR NUMBER	NUMBER OF LOCK POINTS / JAMB
40" - 50"	5 1/4"	E1-1954-000525	NONE				1

PROJECT OUT HINGE CHART

SSG CURTAIN WALL			
E2-0270 SSG VENT ADAPTER AT TOP RAIL			
HINGE LIMITS- WITHOUT 4" FALL PREVENTION DEVICE			
TYPE	PART NO.	FRAME H BASED ON HARDWARE SEE SIZE LIMIT CHART	MAX. OPENING or MAX. ANGLE
12" TYPE	E1-1984	FRAME H>15" [381.0]	20° WITH E1-1985
16" TYPE	5K-15284	FRAME H>24" [609.6]	30° MAX. OPENING
28" TYPE	E1-1908	FRAME H>37" [939.8]	20° WITH BUILT-IN LIMIT STOP
HINGE LIMITS- WITH 4" FALL PREVENTION DEVICE E1-1936			
TYPE	PART NO.	FRAME H BASED ON HARDWARE SEE SIZE LIMIT CHART	MAX. OPENING or MAX. ANGLE
12" TYPE	E1-1984	FRAME H>22" [558.8]	4" with E1-1936 LIMIT DEVICE
16" TYPE	5K-15284	FRAME H>26" [660.4]	4" with E1-1936 LIMIT DEVICE
28" TYPE	E1-1908	FRAME H>40" [1016.0]	4" with E1-1936 LIMIT DEVICE

CAPTURED CURTAIN WALL			
E2-0271 CAPTURED VENT ADAPTER AT TOP RAIL			
HINGE LIMITS- WITHOUT 4" FALL PREVENTION DEVICE			
TYPE	PART NO.	FRAME H BASED ON HARDWARE SEE SIZE LIMIT CHART	MAX. OPENING or MAX. ANGLE
12" TYPE	4K-14207	FRAME H>15" [381.0]	20°
16" TYPE	5K-15284	FRAME H>24" [609.6]	30°
22" TYPE	4K-14209	FRAME H>30" [762.0]	45°
28" TYPE	E1-1908	FRAME H>37" [939.8]	20°
HINGE LIMITS- WITH 4" FALL PREVENTION DEVICE E1-1936			
TYPE	PART NO.	FRAME H BASED ON HARDWARE SEE SIZE LIMIT CHART	MAX. OPENING or MAX. ANGLE
12" TYPE	4K-14207	FRAME H>22" [558.8]	4" with E1-1936
16" TYPE	5K-15284	FRAME H>26" [660.4]	4" with E1-1936
22" TYPE	4K-14209	FRAME H>30" [762.0]	4" with E1-1936
28" TYPE	E1-1908	FRAME H>40" [1016.0]	4" with E1-1936



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ALLOWABLE VENT SIZES AND
HARDWARE SCHEDULES

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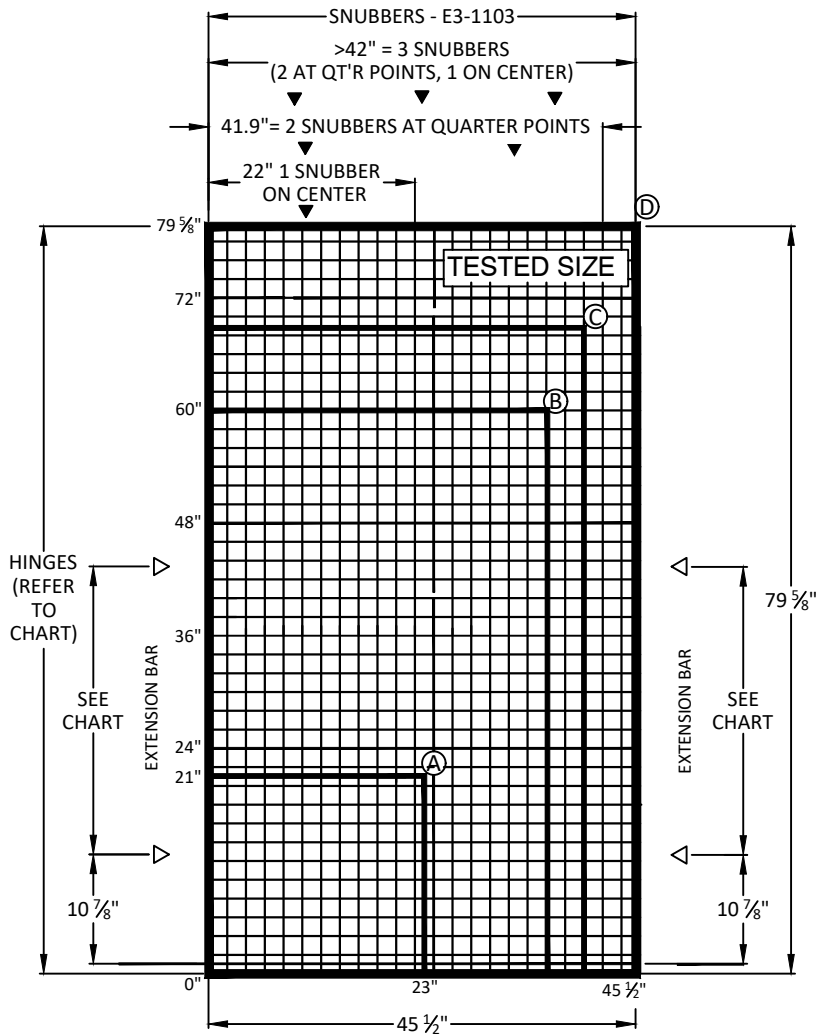
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ALLOWABLE VENT SIZES AND HARDWARE LOCATIONS

ACCESSIBLE WINDOW SYSTEM - (AAMA 513-14)

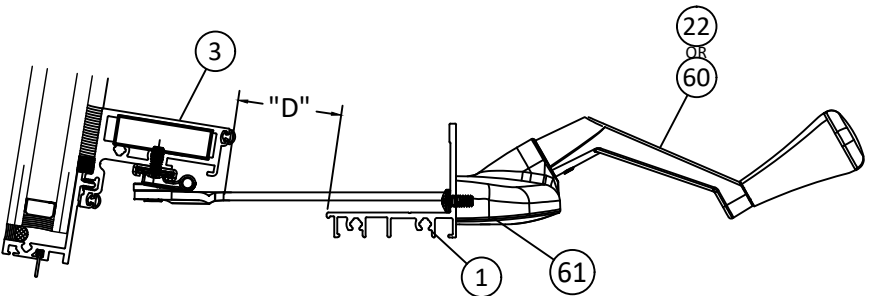
VENT SIZES SHOWN



APPROVED VENT SIZES

ELEVATION

MAX. VENT SIZES BASED ON DESIGN LOAD RESTRICTIONS



APPROVED VENT SIZE RANGES WITH ROTARY OPERATOR				
	E9-4139 VENT CUT SIZE	VENT SQUARE FEET	ALLOWABLE DESIGN PRESSURE	VENT WEIGHT @ 7.1 LBS. PER SQ. FT.
A	MINIMUM SIZE: 23" [584.2] X 21" [533.4]	3.4	65	24.1 LBS.
B	36" [914.4] X 60" [1524.0]	15	65	106.7 LBS
C	40" [1016.0] X 69" [1752.6]	19.2	55	136.3 LBS.
D	MAXIMUM & TESTED SIZE: 45 1/2" [1155.7] X 79 5/8" [2022.5]	25.1	45	178.6 LBS

OPERATOR SCHEDULE

REQUIRED OPERATOR (1 PER VENT)	VENT WIDTH (W)	MAX. VENT OPENING "D"
5.5" DUAL ARM E1-1991, WITH HANDLE CRANK E1-1983 OR E1-9932	23" ≤ W < 26"	1 1/16"
7" DUAL ARM E1-2012, WITH HANDLE CRANK E1-1983 OR E1-9932	26" ≤ W < 30"	3 3/16"
9" DUAL ARM E1-2013, WITH HANDLE CRANK E1-1983 OR E1-9932	30" ≤ W < 34"	5 3/16"
11" DUAL ARM E1-1992, WITH HANDLE CRANK E1-1983 OR E1-9932	≥ 34" W	7 3/16"

LEGEND

▶ -SNUBBER

▷ -LOCK POINT

SNUBBER SCHEDULE

NUMBER OF REQUIRED SNUBBERS PER VENT (E3-1103)	VENT WIDTH (W)
1	≥ 21 1/2" - 22" W
2	≥ 22.01" - 41.9"W
3	≥ 42" - 45 1/2" W

LOCK-POINT SCHEDULE

NUMBER OF REQUIRED LOCK ENGAGEMENTS PER STILE (KEEPER K-18584)	VENT HEIGHT (H)
1	> 21 1/2"-43.99"H
2	≥ 44"-79 5/8"H

OUTSWING HARDWARE SCHEDULE

HARDWARE TYPE	OPTION#	DESCRIPTION
LOCK	1	(SEE MATRIX BELOW) MULTI-POINT BASE LOCK BAR (E1-2001), LOCK EXTENSION BAR (E1-2002), SECURED TO EACH FRAME JAMB WITH (2) #10 X 1/2" PFH SMS, PER LOCK POINT. KEEPER (4K-18584) LOCATED AT 12 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	4-BAR HINGE (SEE MATRIX BELOW) 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.
ROTARY OPERATOR	1	BASED ON THE VENT WIDTH. A DUAL ARM OPERATOR PER SCHEDULE IS MOUNTED TO THE FRAME SILL, SECURED WITH (2) #10 X 3/8" PPH SMS

YOV SSG - PROJECT OUT WITH E1-1995 10" 4 BAR HINGE						
MINIMUM VENT HEIGHT DIMENSION	BASE BAR	BASE BAR PART NUMBER	MAX. VENT WEIGHT	EXTENSION BAR	EXTENSION BAR PART NUMBER	NUMBER OF LOCK POINTS PER JAMB
24.50" - 27.99"	5 1/4"	E1-2001-000525	64# [29.0Kg]	NONE		1
YOV SSG - PROJECT OUT WITH E1-1996 12" 4 BAR HINGE						
MINIMUM VENT HEIGHT DIMENSION	BASE BAR	BASE BAR PART NUMBER	MAX. VENT WEIGHT	EXTENSION BAR	EXTENSION BAR PART NUMBER	NUMBER OF LOCK POINTS PER JAMB
28" - 31.99"	5 1/4"	E1-2001-000525	75# [34.0 Kg]	NONE		1
YOV SSG - PROJECT OUT WITH E1-1997 16" 4 BAR HINGE						
MINIMUM VENT HEIGHT DIMENSION	BASE BAR	BASE BAR PART NUMBER	MAX. VENT WEIGHT	EXTENSION BAR	EXTENSION BAR PART NUMBER	NUMBER OF LOCK POINTS PER JAMB
32" - 43.99"	5 1/4"	E1-2001-000525	94# [42.6 Kg]	NONE		1
44" - 57.99"	5 1/4"	E1-2001-000525	94# [42.6 Kg]	12"	E1-1955-0100	2
YOV SSG - PROJECT OUT WITH E1-1998 20" 4 BAR HINGE						
MINIMUM VENT HEIGHT DIMENSION	BASE BAR	BASE BAR PART NUMBER	MAX. VENT WEIGHT	EXTENSION BAR	EXTENSION BAR PART NUMBER	NUMBER OF LOCK POINTS PER JAMB
58" - 67.99"	5 1/4"	E1-2001-000525	120# [54.4Kg]	22"	E1-2002-0110	2
YOV SSG - PROJECT OUT WITH E1-1999 24" 4 BAR HINGE						
MINIMUM VENT HEIGHT DIMENSION	BASE BAR	BASE BAR PART NUMBER	MAX. VENT WEIGHT	EXTENSION BAR	EXTENSION BAR PART NUMBER	NUMBER OF LOCK POINTS PER JAMB
68" - 79 5/8"	5 1/4"	E1-2001-000525	180# [68.0 Kg]	22"	E1-2002-0110	2



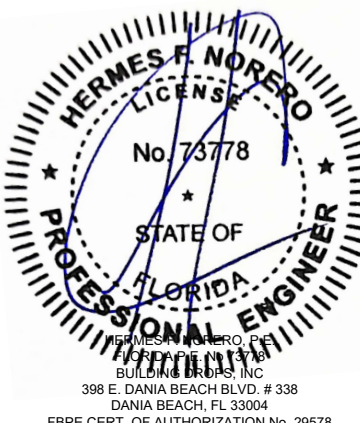
YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE:
YOV SSG PROJECT OUT WINDOW
(NON-HVHZ) (NON-IMPACT)
ALLOWABLE VENT SIZES AND
HARDWARE SCHEDULES

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
ACCESS HARDWARE	SH	6.12.23

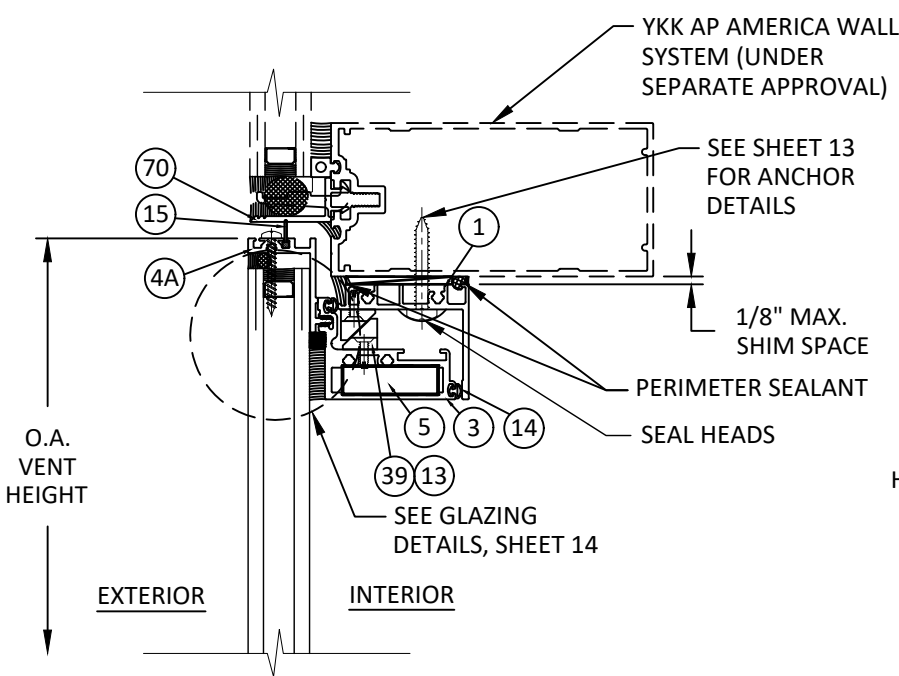
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



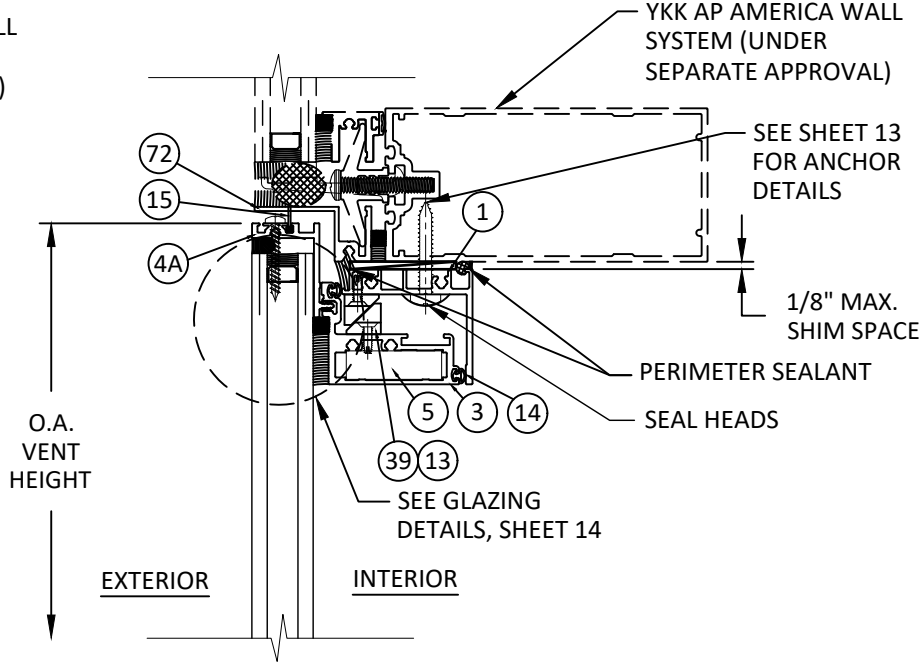
FL #:	FL17098
DATE:	11.27.17
DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK202
SHEET:	

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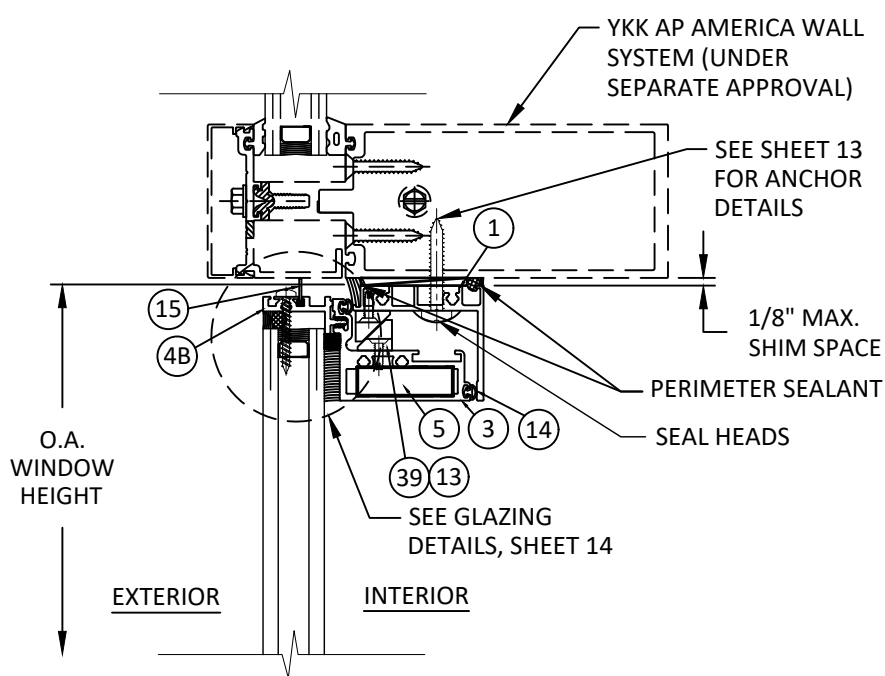
CURTAIN WALL DETAIL



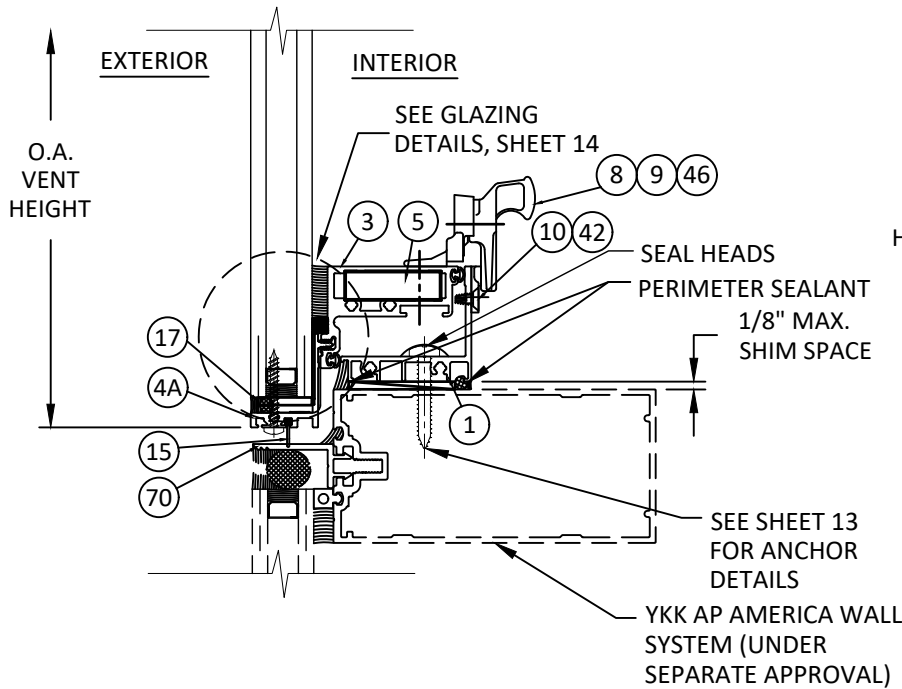
A
7 VERTICAL SECTION
VENT HEAD - YKK AP WALL SYSTEM
SSG - FIELD GLAZED



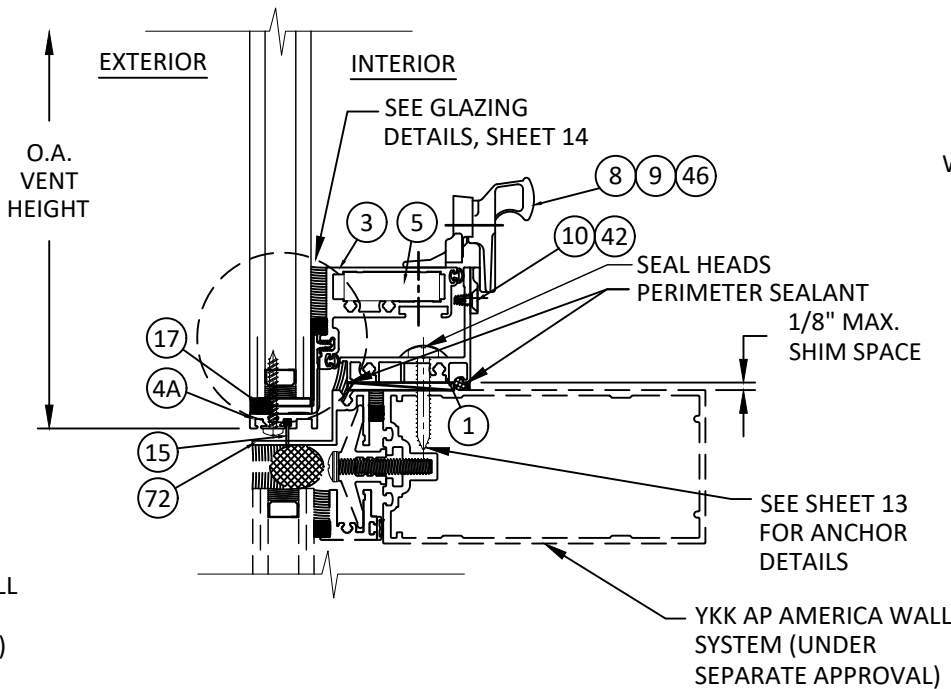
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7 VERTICAL SECTION
VENT HEAD - YKK AP WALL SYSTEM
SSG - SHOP GLAZED



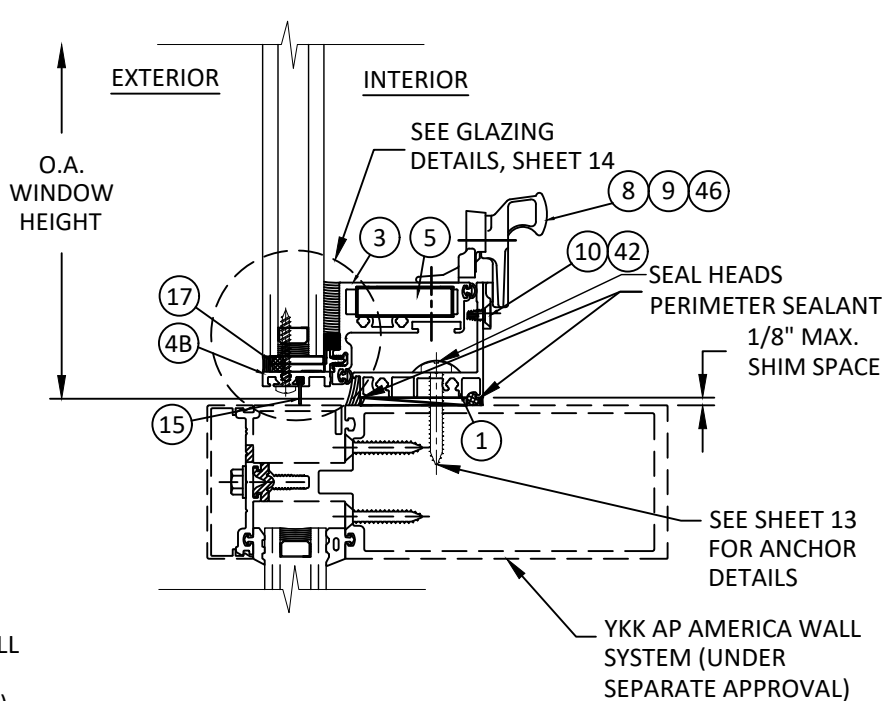
C
7 VERTICAL SECTION
VENT HEAD - YKK AP WALL SYSTEM
CAPTURED - FIELD GLAZED



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



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



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

* 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 PROJECT OUT WINDOW
(NON-HVHZ) (NON-IMPACT)

VERTICAL SECTIONS DETAILS

PREPARED BY:

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FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
ACCESS HARDWARE	SH	6.12.23

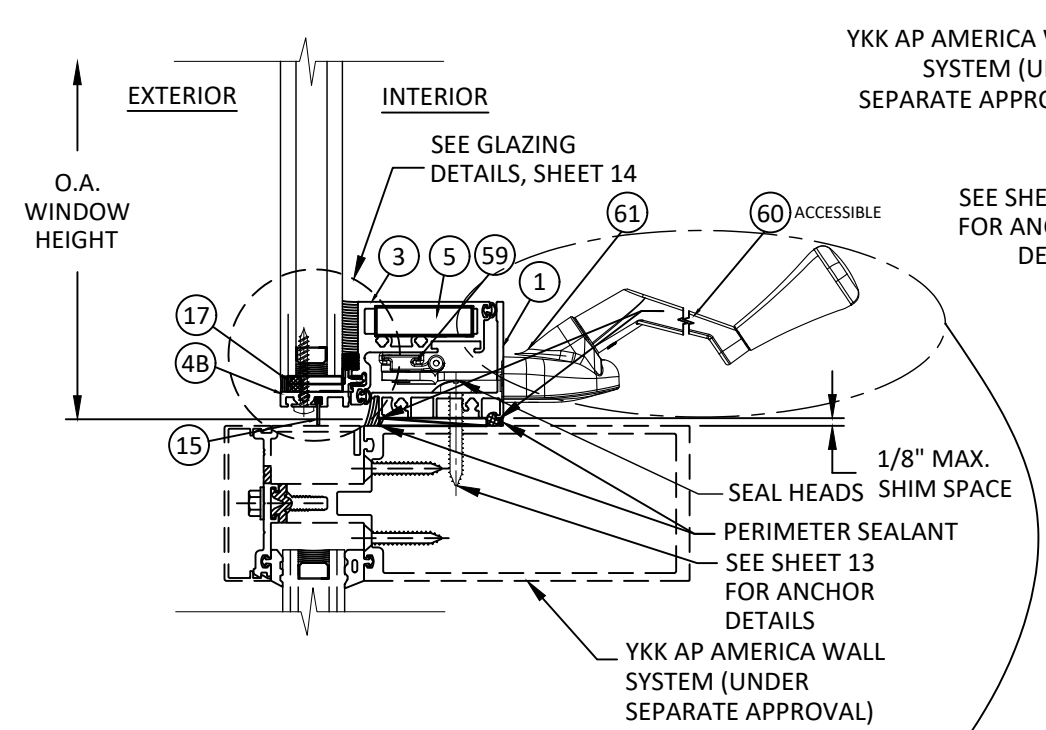
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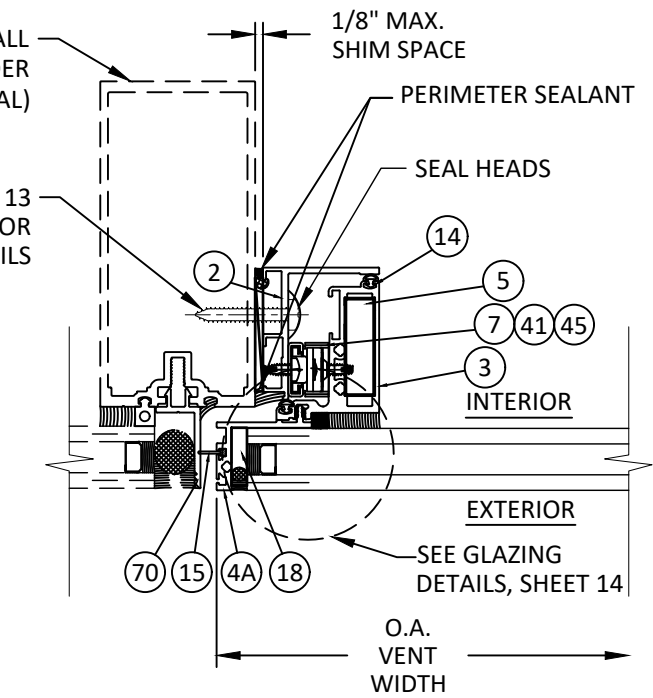
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK202
SHEET:	7

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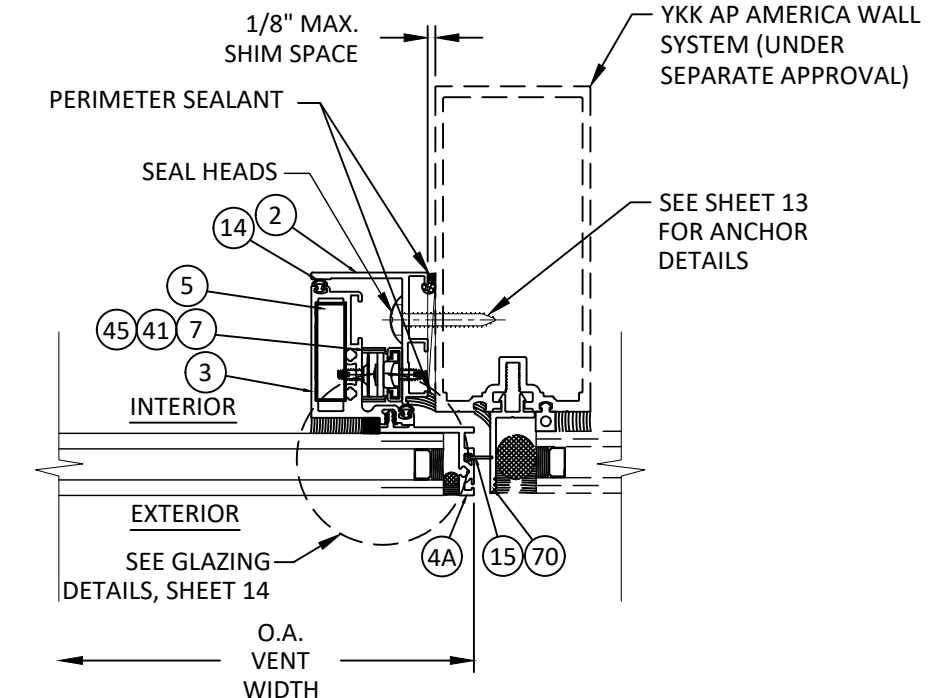
CURTAIN WALL DETAIL



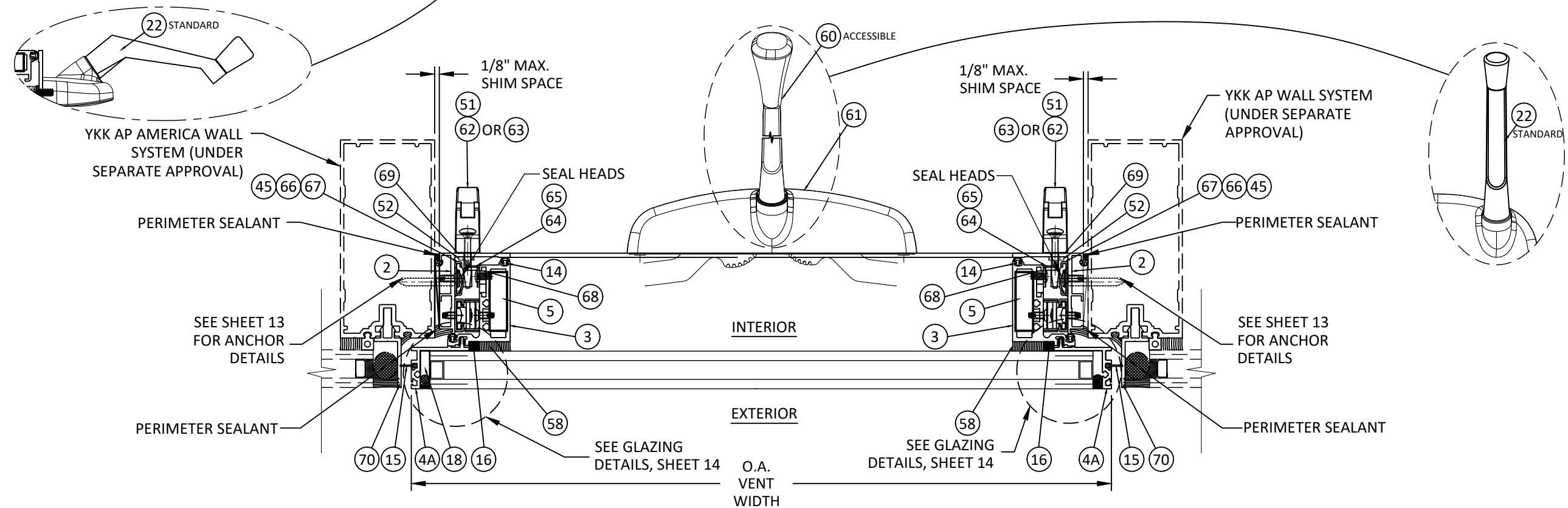
G
8 **VERTICAL SECTION**
VENT SILL - YKK AP WALL SYSTEM
CAPTURED - FIELD GLAZED



H
8 **HORIZONTAL SECTION**
VENT CAM LOCK JAMB - YKK AP WALL SYSTEM
SSG - FIELD GLAZED



I
8 **HORIZONTAL SECTION**
VENT HINGE JAMB - YKK AP WALL SYSTEM
SSG - FIELD GLAZED



J
8 **HORIZONTAL SECTION**
VENT HINGE JAMB - YKK AP WALL SYSTEM
SSG - FIELD GLAZED

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IS OPTIONAL.



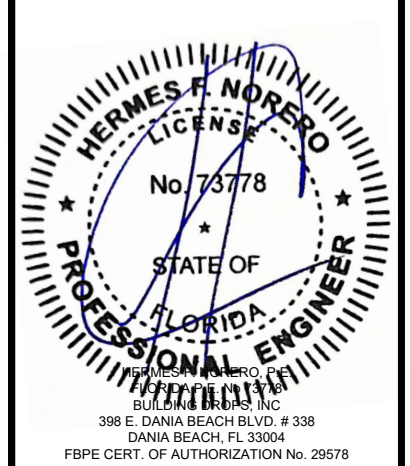
YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YOV SSG PROJECT OUT WINDOW (NON-HVHZ) (NON-IMPACT) VERTICAL & HORIZONTAL SECTIONS 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
ACCESS HARDWARE	SH	6.12.23

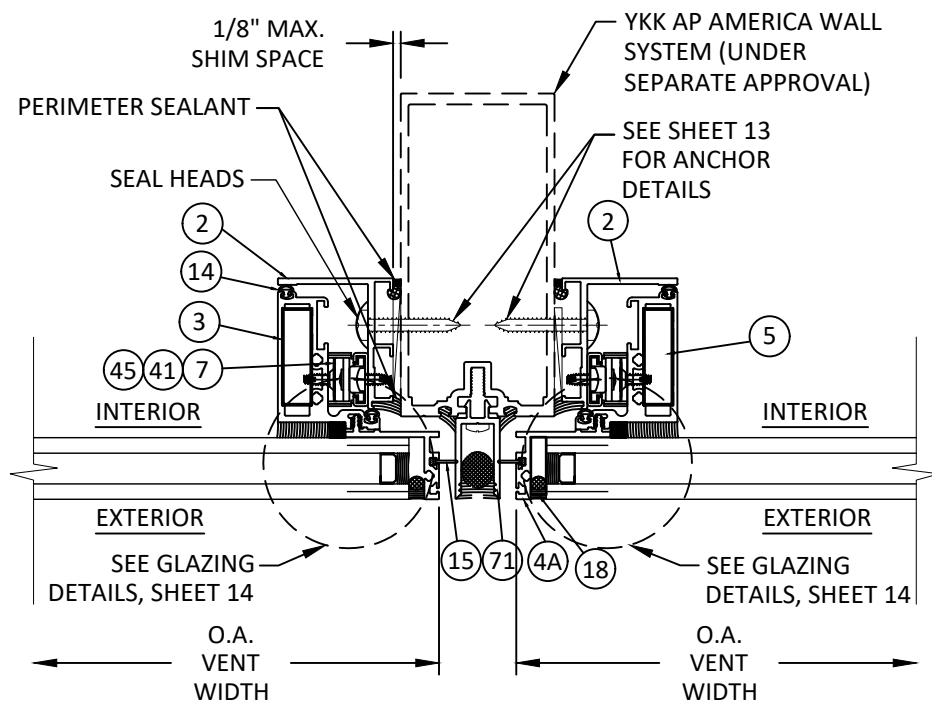
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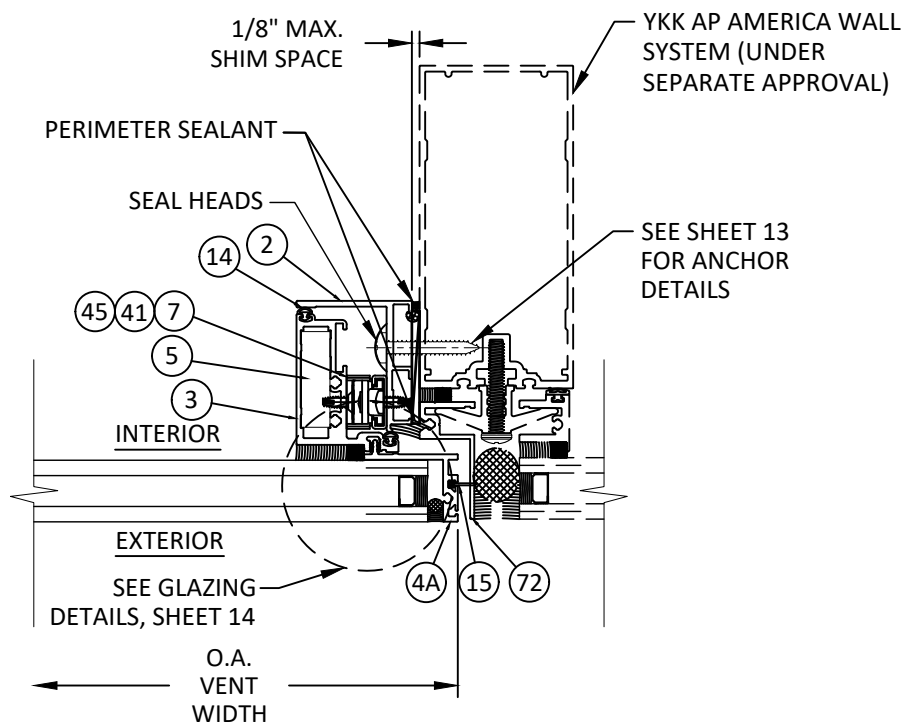
FL #:	FL17098
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK202
SHEET:	8 OF 15

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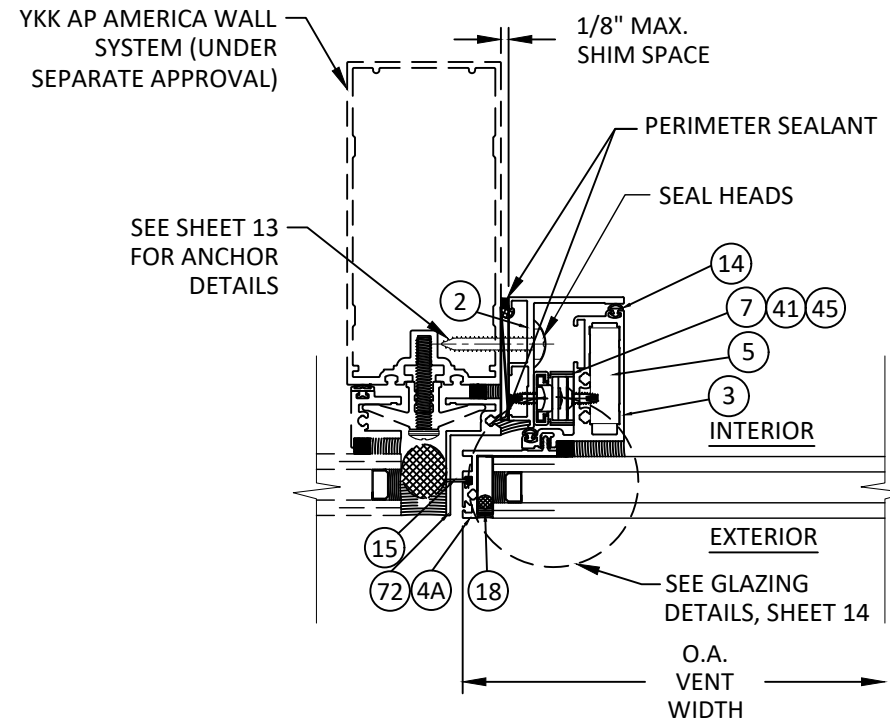
CURTAIN WALL DETAIL



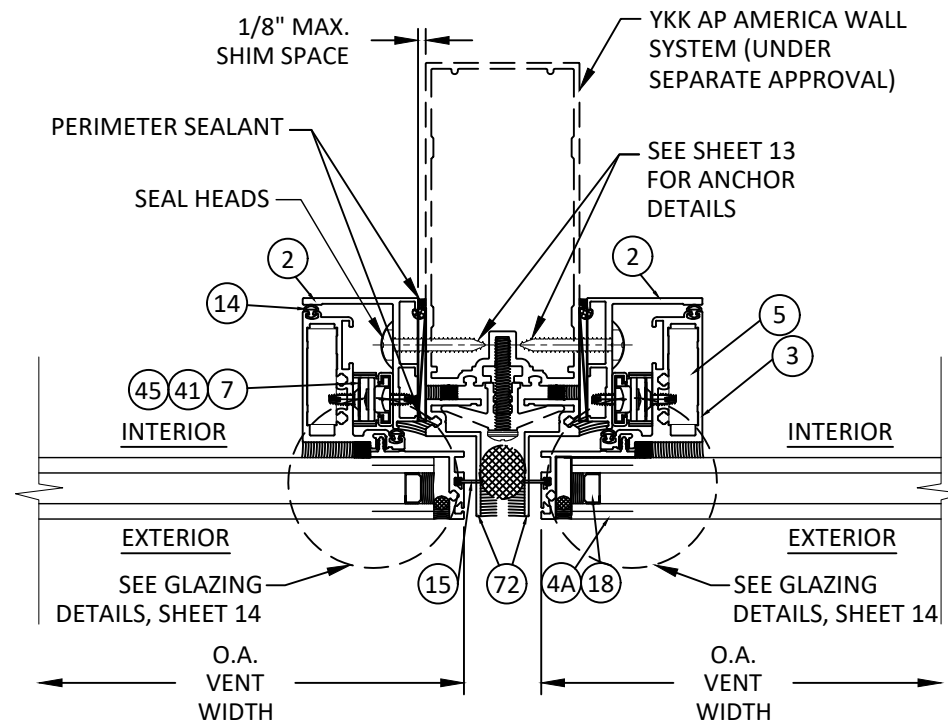
K HORIZONTAL SECTION
9 VENT HINGE & LOCK JAMBS - WALL SYSTEM
SSG - FIELD GLAZED



M HORIZONTAL SECTION
9 VENT HINGE JAMB - YKK AP WALL SYSTEM
SSG - SHOP GLAZED



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



N HORIZONTAL SECTION
9 VENT HINGE & LOCK JAMBS - WALL SYSTEM
SSG - SHOP GLAZED

* 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 PROJECT OUT WINDOW
(NON-HVHZ) (NON-IMPACT)

HORIZONTAL SECTION DETAILS

PREPARED BY:
BUILDING DROPS, INC.

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REMARKS	BY	DATE
ACCESS HARDWARE	SH	6.12.23

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FL17098

DATE: 11.27.17

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SM

CHK. BY:
HFN

SCALE: NTS

DWG. #: YKK202

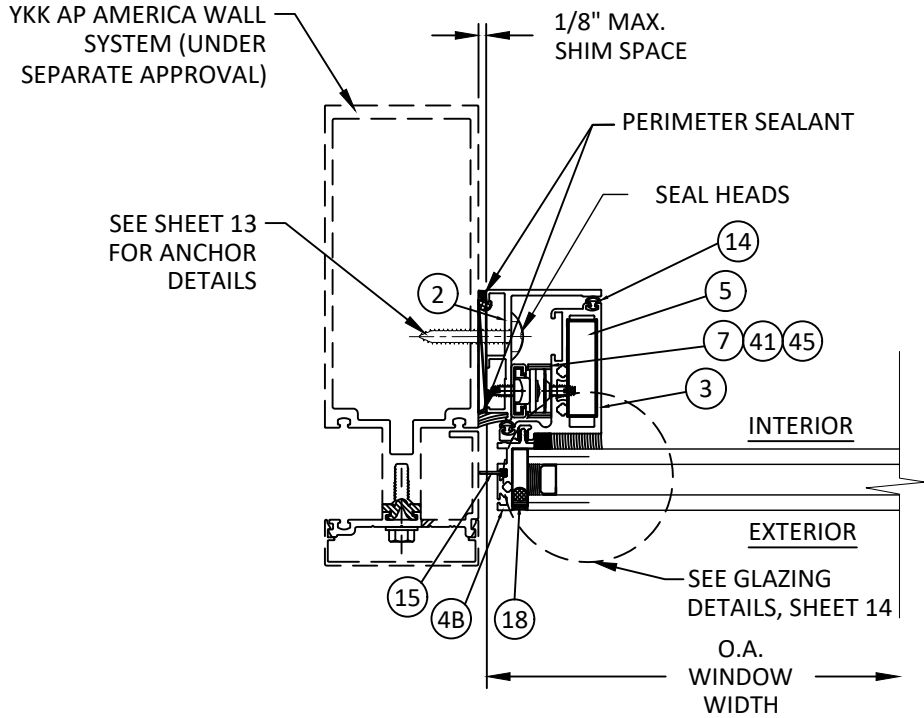
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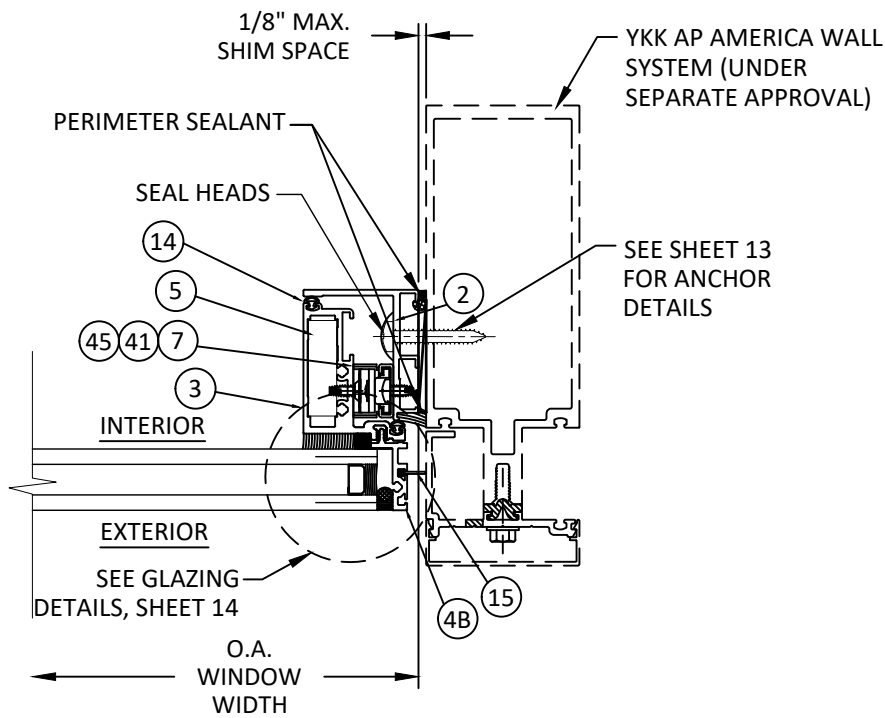
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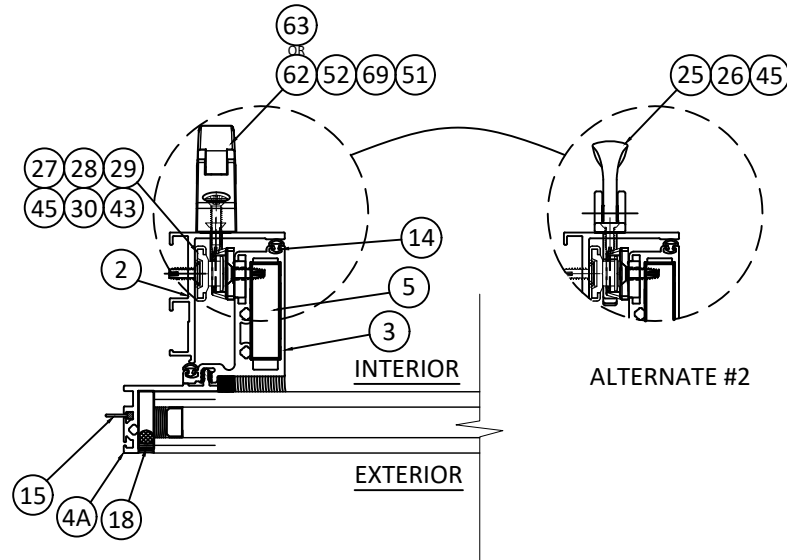
CURTAIN WALL DETAIL



O/10 HORIZONTAL SECTION
VENT CAM LOCK JAMB - YKK AP WALL SYSTEM
SSG - FIELD GLAZED

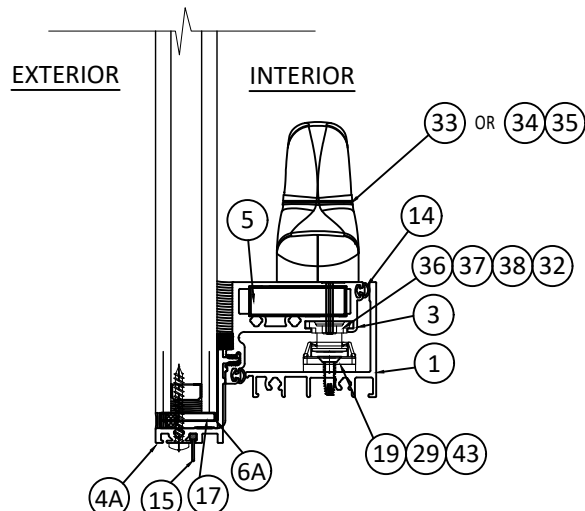


P/10 HORIZONTAL SECTION
VENT HINGE JAMB - YKK AP WALL SYSTEM
CAPTURED - FIELD GLAZED

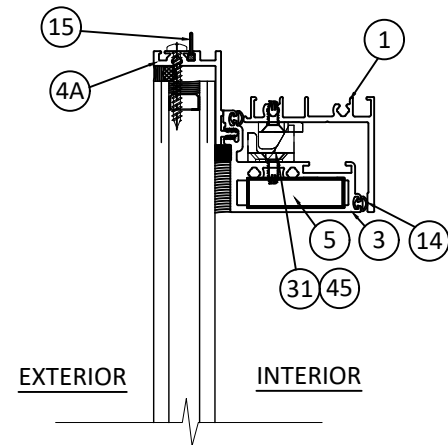


Q/10 HORIZONTAL SECTION
ALTERNATE LOCK #1
FRAME MULTI POINT LOCK (FMPL)

FMPL AND VMPL DETAILS SHOWN IN DETAILS O/10 AND P/10 ARE QUALIFIED FOR USE IN LOCK JAMB DETAILS ON SHEETS 7, 8, 9, 10 PER THE LIMITATIONS ON SHEETS 4, 5, & 6. SSG/OFFSET VENT SHOWN ABOVE, QUALIFIED FOR CAPTURED VENT.



R/10 VERTICAL SECTION
ALTERNATE LOCK
VENT MULTI POINT LOCK (VMPL)
STANDARD ON AW100
OR OVERSIZED UNITS



S/10 VERTICAL SECTION
ALTERNATE SNUBBER
HP SNUBBER
STANDARD ON AW100
OR OVERSIZED UNITS

HP SNUBBER REQUIRED PER HARDWARE SCHEDULE ON SHEET 4.

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TITLE:
YOV SSG PROJECT OUT WINDOW
(NON-HVHZ) (NON-IMPACT)
HORIZONTAL AND VERTICAL SECTION
DETAILS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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REMARKS	BY	DATE
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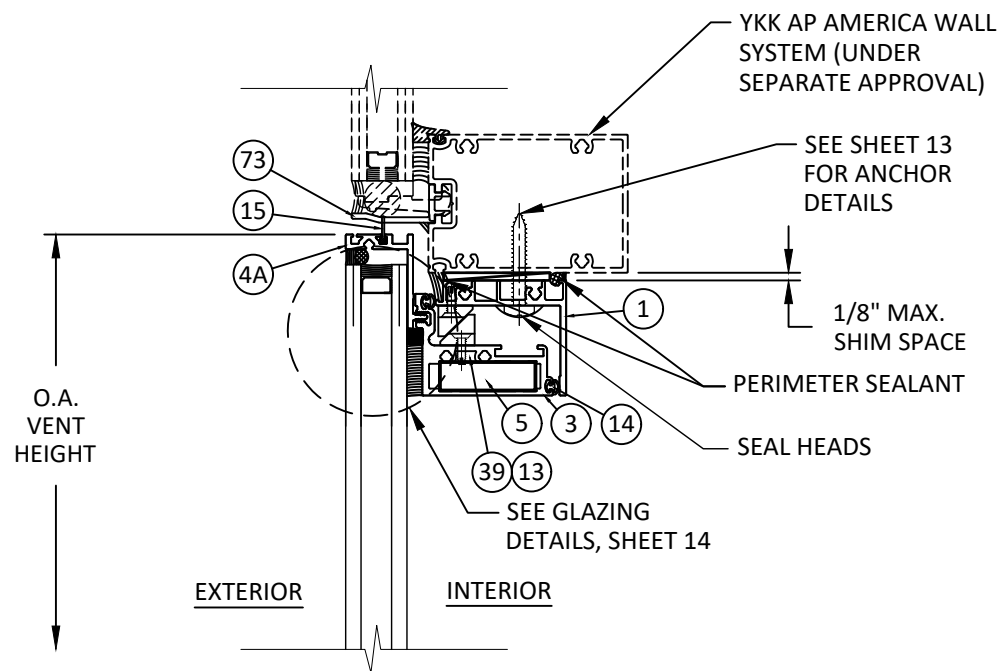
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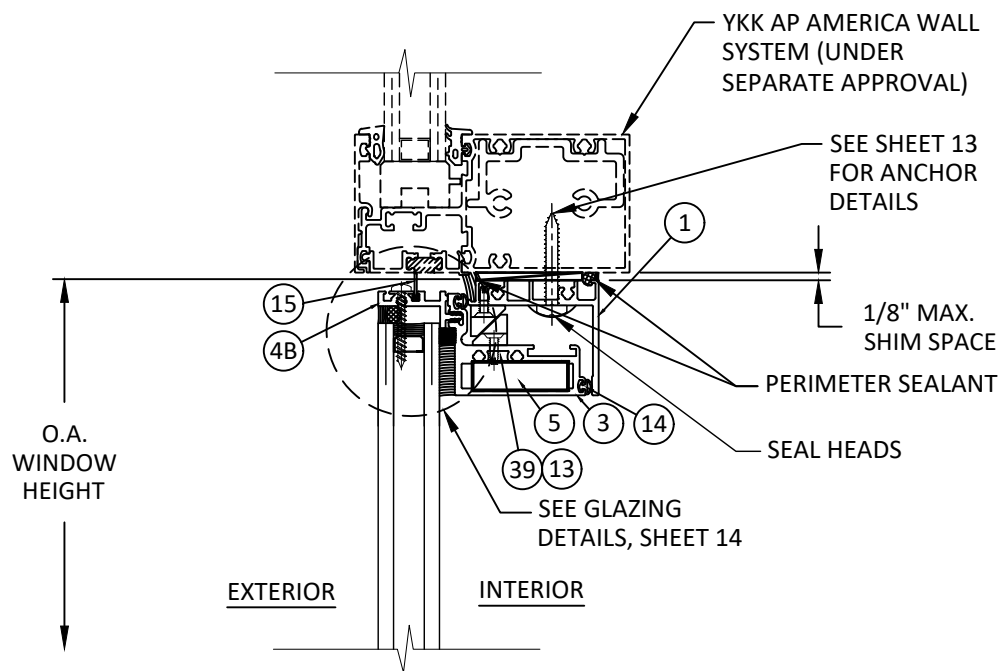
FL #:	FL17098
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DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK202
SHEET:	10

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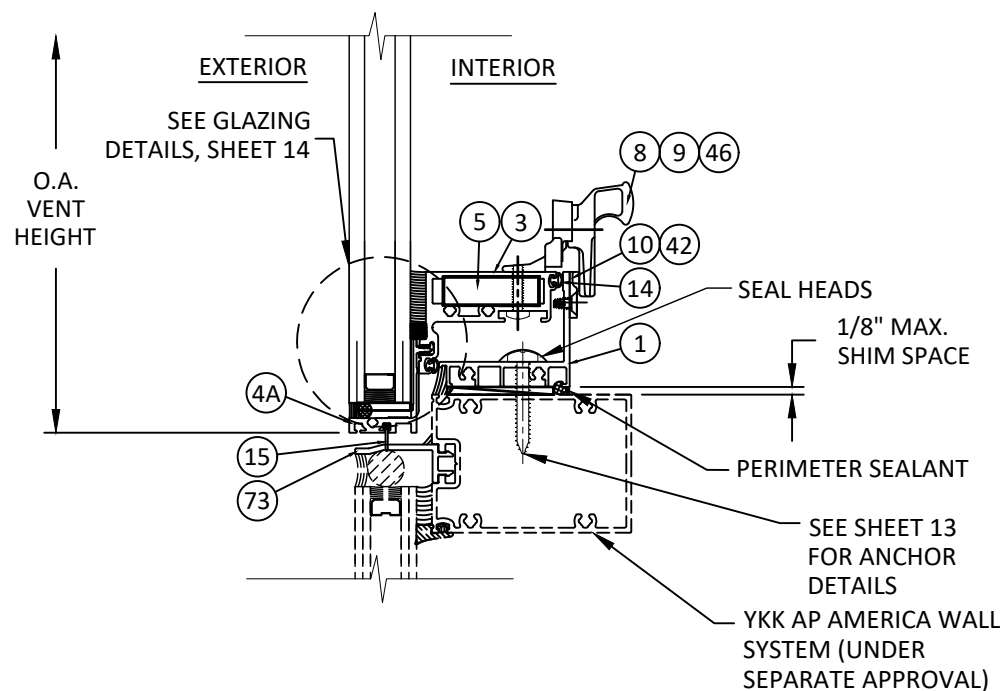
WINDOW WALL DETAIL



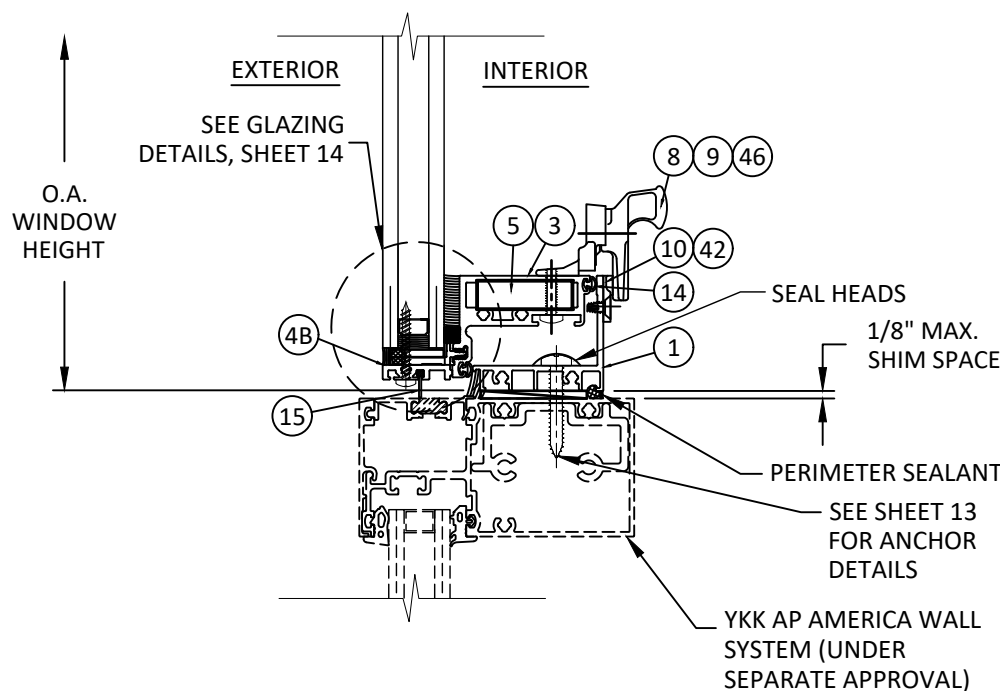
T 11 VERTICAL SECTION
VENT HEAD - YKK AP WALL SYSTEM
SSG - FOR YWW 50 TU/ 60 TU



U 11 VERTICAL SECTION
VENT HEAD - YKK AP WALL SYSTEM
CAPTURED - FOR YWW 45 T/ FI/ TU & YWW 50 T



V 11 VERTICAL SECTION
VENT SILL - YKK AP WALL SYSTEM
SSG - FOR YWN 50 TU/ 60 TU



W 11 VERTICAL SECTION
VENT SILL - YKK AP WALL SYSTEM
CAPTURED - FOR YWW 45 T/ FI/ TU & YWW 50 T

* 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 PROJECT OUT WINDOW
(NON-HVHZ) (NON-IMPACT)

VERTICAL SECTION DETAILS

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004

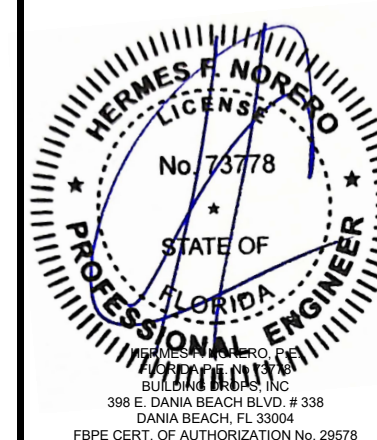
PH: (954)399-8478
FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
ACCESS HARDWARE	SH	6.12.23

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FL #:
FL17098

DATE: **11.27.17**

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

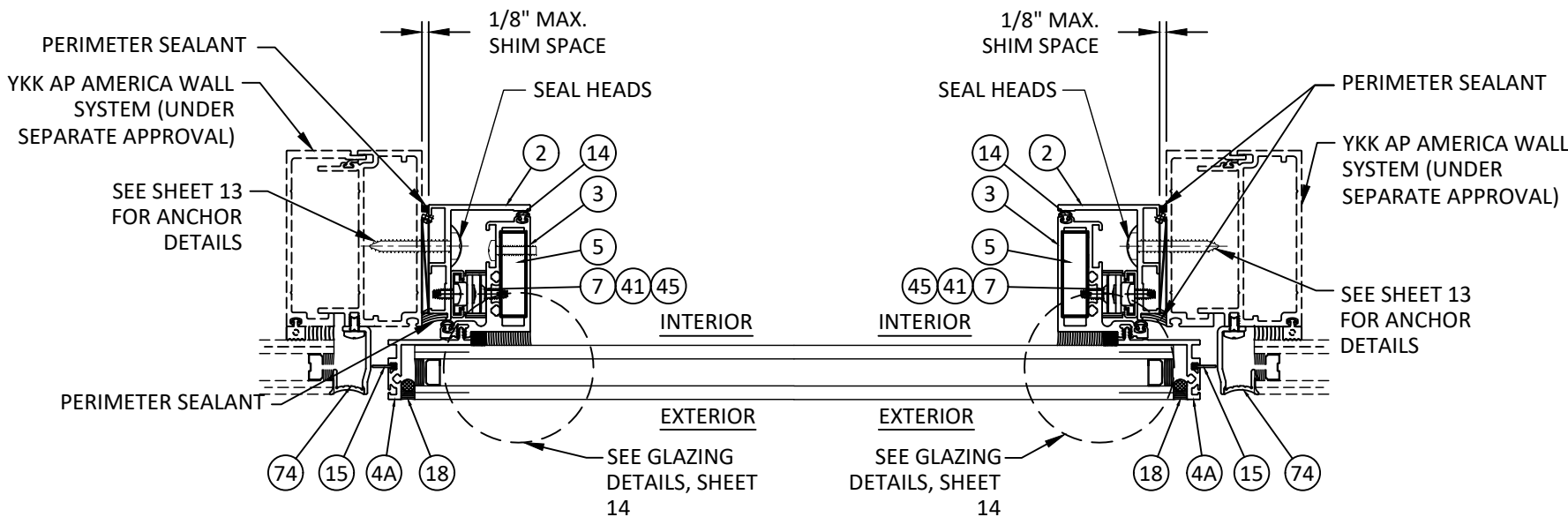
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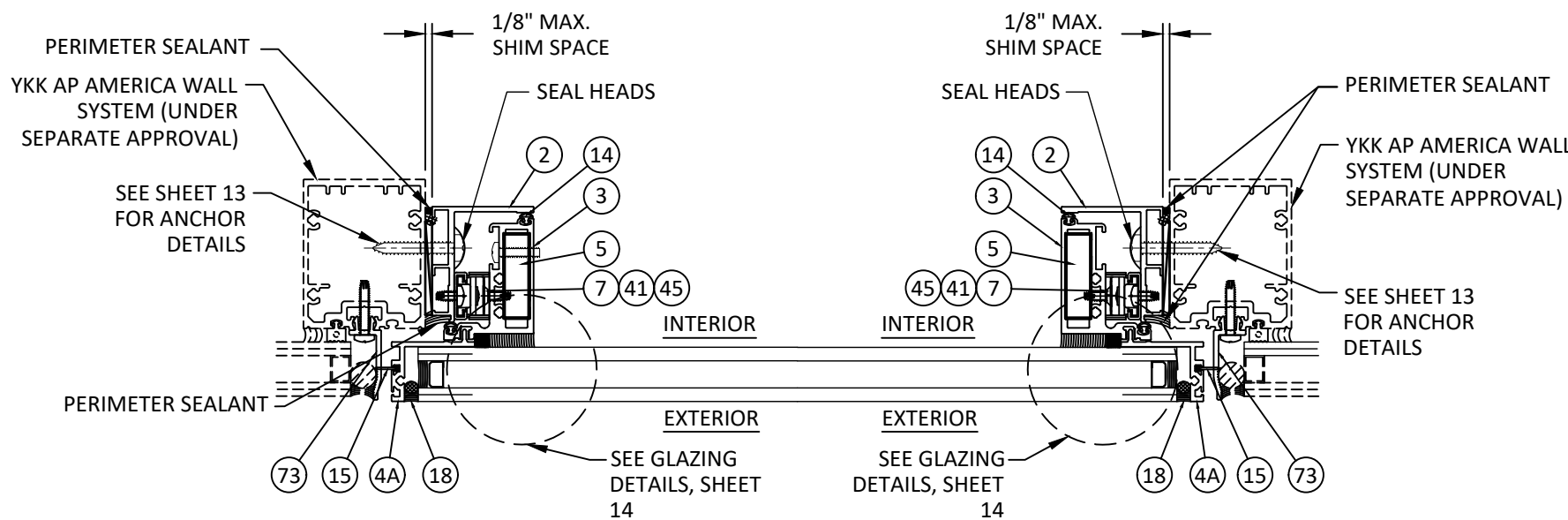
11

OF 15

WINDOW WALL DETAIL



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



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

* INTERIOR PERIMETER SEALANT IS OPTIONAL.



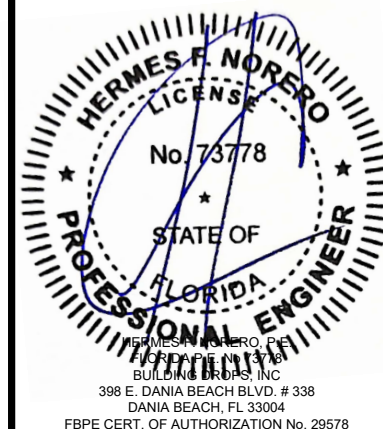
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PH: (478)277-1955 FAX: (678)838-6001

TITLE:
YOV SSG PROJECT OUT WINDOW
(NON-HVHZ) (NON-IMPACT)
HORIZONTAL SECTION DETAILS

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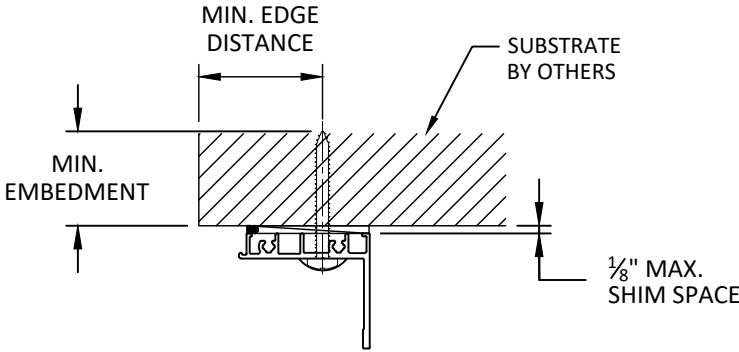


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SM	HFN
SCALE:	NTS
DWG. #:	YKK202
SHEET:	12 OF 15

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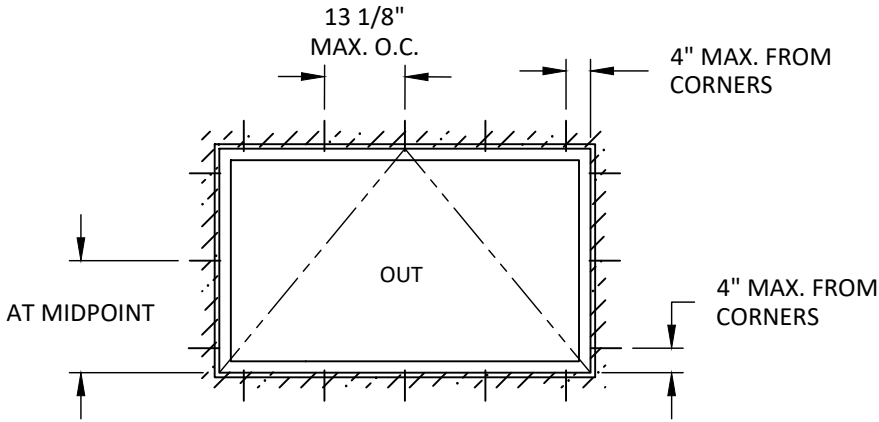
INSTALLATION NOTES:

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 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.

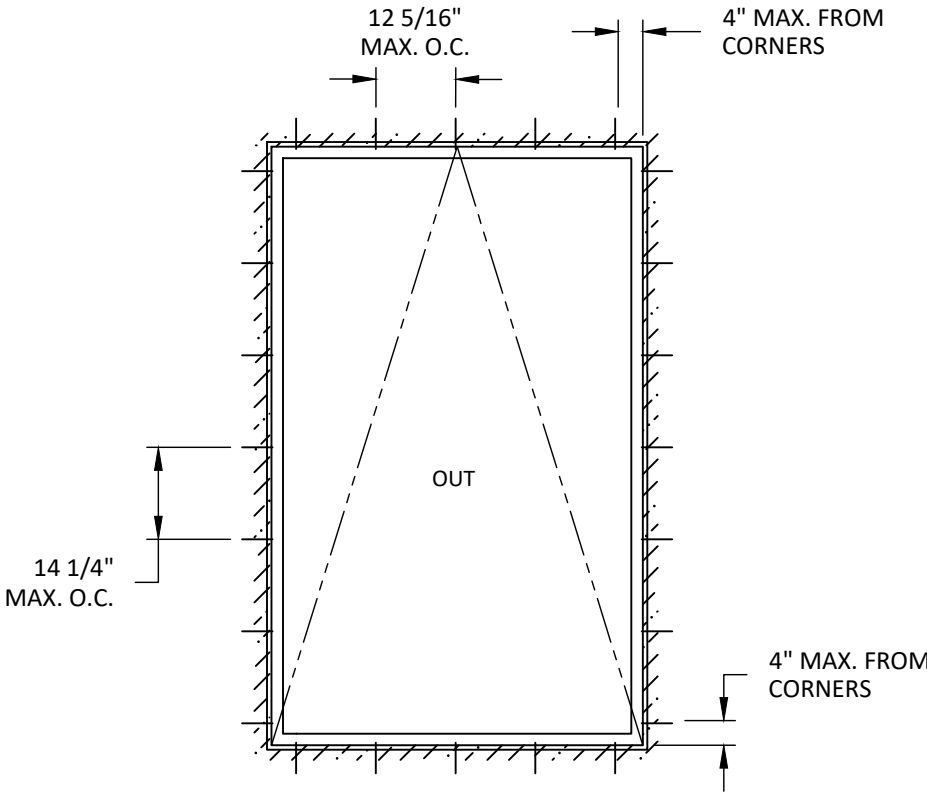


ANCHOR DETAIL

SILL & JAMB HAVE A SIMILAR DETAIL.



ANCHOR LAYOUT
STANDARD VENT SIZE



ANCHOR LAYOUT
OVERSIZE VENT SIZE

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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YOV SSG PROJECT OUT WINDOW
(NON-HVHZ) (NON-IMPACT)

INSTALLATION &
ANCHOR DETAILS

PREPARED BY:

BUILDING DROPS, INC.

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DANIA BEACH, FL 33004

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REMARKS	BY	DATE
ACCESS HARDWARE	SH	6.12.23

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FL #:
FL17098

DATE: **11.27.17**

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

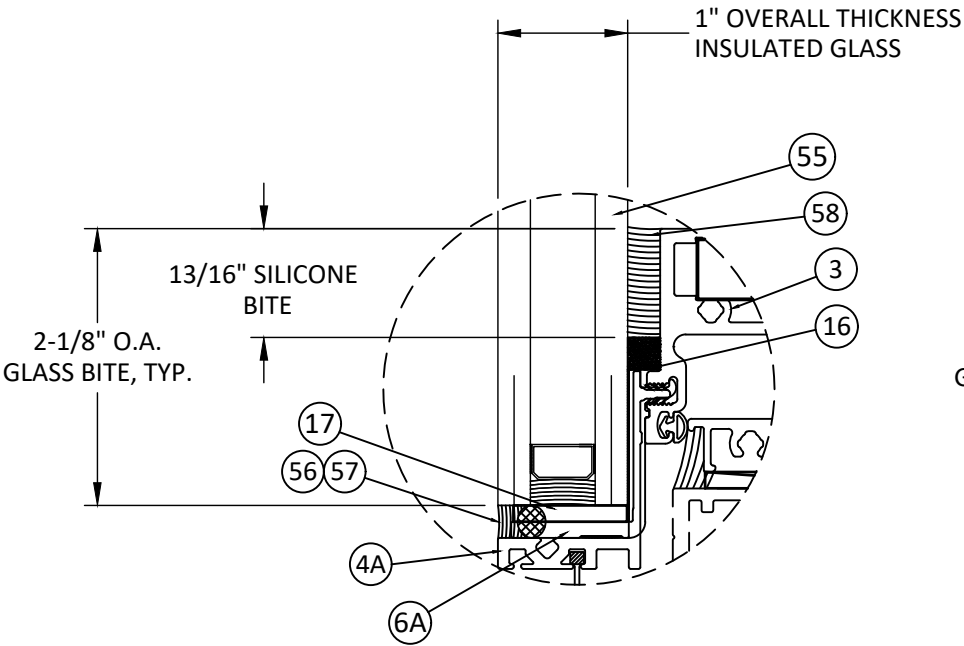
SCALE: **NTS**

DWG. #: **YKK202**

SHEET:

13
OF 15

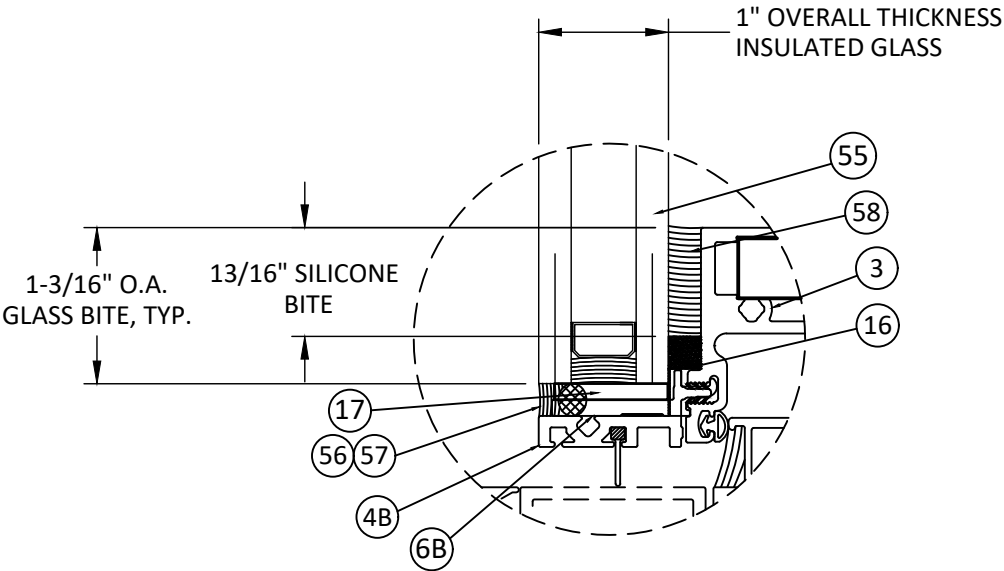
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GLAZING DETAIL G1
OFFSET/SSG VENT

GLAZING NOTES:

1. GLASS SHALL BE SET WITH THE USE OF SETTING BLOCKS IN ACCORDANCE WITH FBC CHAPTER 24 AS APPLICABLE.
2. 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.
3. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
4. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
5. DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLE ON SHEET 1



GLAZING DETAIL G2
CAPTURED VENT

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.



YKK AP America Inc.

1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021

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

TITLE:
YOV SSG PROJECT OUT WINDOW
(NON-HVHZ) (NON-IMPACT)

GLAZING DETAILS

PREPARED BY:

BUILDING DROPS, INC.

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ACCESS HARDWARE	SH	6.12.23

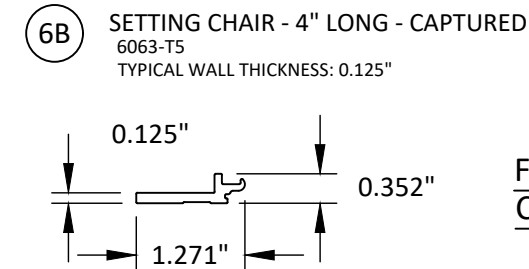
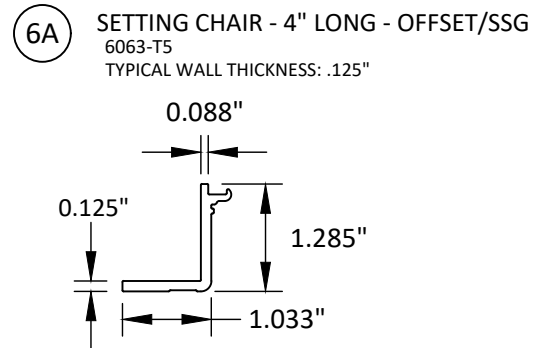
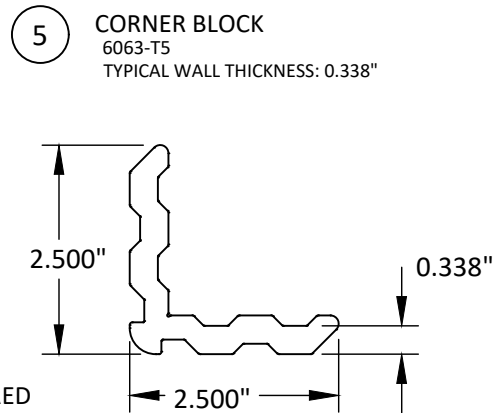
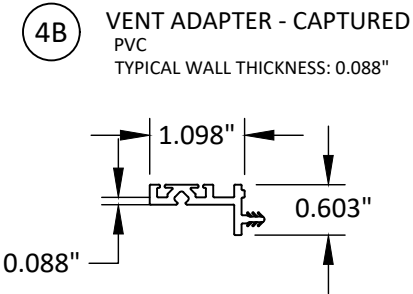
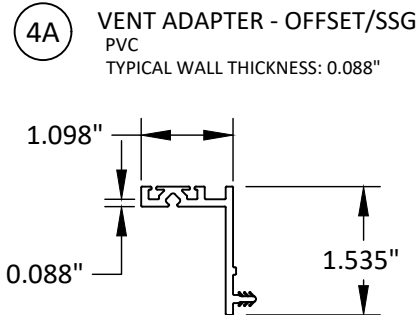
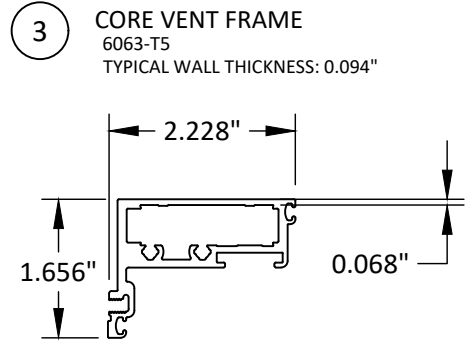
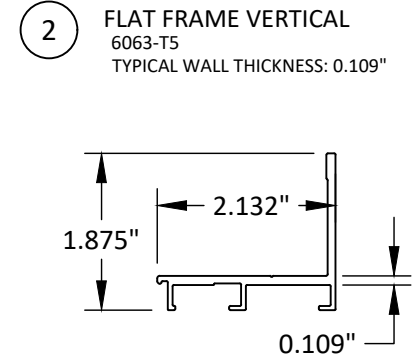
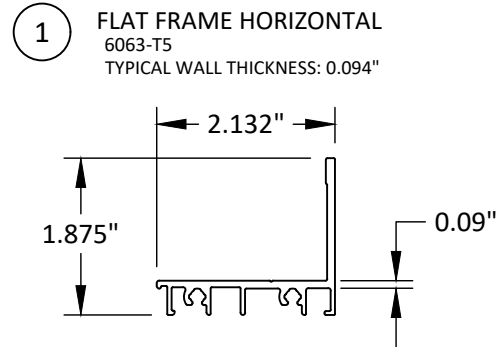
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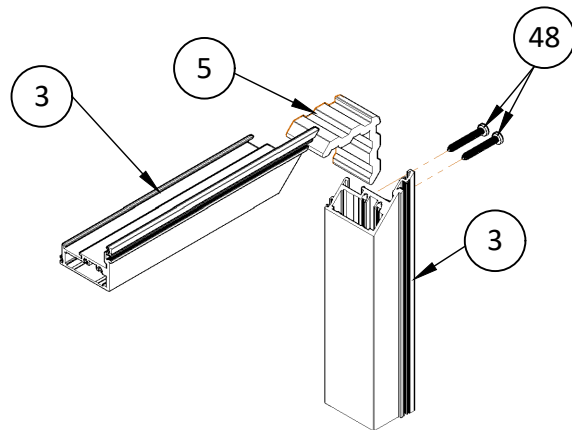
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SM	HFN
SCALE:	NTS
DWG. #:	YKK202
SHEET:	14

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YOV SSG - 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	PVC	CENTRAL PLASTICS
4B	E2-0271	VENT ADAPTER- CAPTURED/SSG	PVC	CENTRAL PLASTICS
5	E1-1950	CORNER BLOCK	6063-T5	YKK AP
6A	E1-1851	SETTING CHAIR-4" LONG-OFFSET	6063-T5	YKK AP
6B	E1-1852	SETTING CHAIR-4" LONG-CAPTURED/SSG	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 - ¼" X ¼"	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	½" SHIM	PLASTIC	AMC OR EQUAL
20	-	-	-	-
21	E1-9931	TRACK	STAINLESS	TRUTH OR EQUAL
22	E1-9932	HANDLE	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" PHSMS TYPE AB	STAINLESS STEEL	
48	PC1024-SS	#10 x 1 1/2" PHSMS 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" POHMS	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
59	E1-1982	TRACK	STAINLESS STEEL	
60	E1-1983	LARGE HANDLE CRANK	ZAMACK	
61A	E1-1991	5-1/2" DUAL ARM OPERATOR	ZAMACK/STEEL	
61B	E1-2012	7" DUAL ARM OPERATOR	ZAMACK/STEEL	
61C	E1-2013	9" DUAL ARM OPERATOR	ZAMACK/STEEL	
61D	E1-1992	11"DUAL ARM OPERATOR	ZAMACK/STEEL	
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

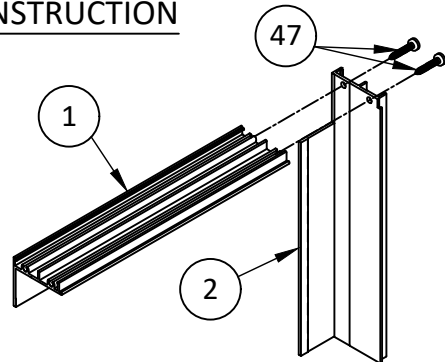


VENT CORNER CONSTRUCTION

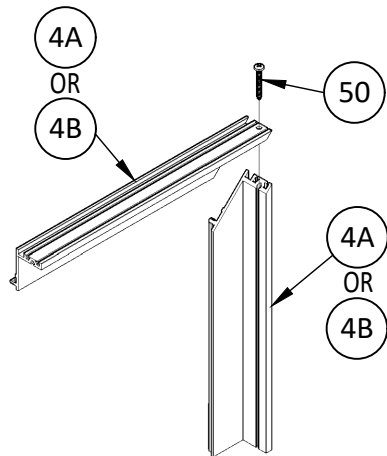


70	E2-0297	YCW ADAPTOR	PVC	CENTRAL PLASTIC
71	E2-0298	YCW ADAPTOR	PVC	CENTRAL PLASTIC
72	E9-3435	YCW ADAPTOR	6063-T5	YKK AP
73	E2-0264	YWW ADAPTOR	PVC	CENTRAL PLASTIC
74	E2-0263	YWW FLEXIBLE ADAPTOR	PVC / ALCYRN	CENTRAL PLASTIC

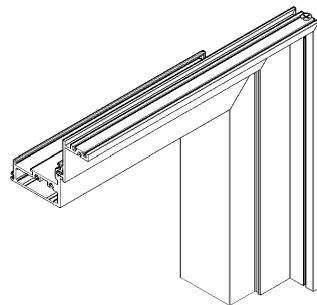
FLAT FRAME CORNER CONSTRUCTION



PVC CORNER CONSTRUCTION



VENT CORNER AND PVC ASSEMBLED



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BILL OF MATERIALS
AND COMPONENTS

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