

2/13/2018 5:06 PM

s:\projects\ykk ap america, inc\fb\18-0106 ykk ap america - fbc submittal - yuw 750 tu curtain wall system\dwgs\ykk 256 - fl dwgs\1 thru 4 - cover, elev, vert & horz dtl.dwg



YKK AP America Inc.

YUW 750 TU

Curtain Wall System

INSTALLATION NOTES:

- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- 2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBERS 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., WITH OUT CONSIDERATION OF TOLERANCE). TOLERANCE ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 4. REFER TO SECTION 7 & 8 FOR ANCHOR TYPE, SUBSTRATE STRENGTH, EMBEDMENT, & EDGE DISTANCE REQUIREMENTS. FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS FOR INSTALLATION OF ANCHORS.
- 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. 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. ADHESIVE ANCHORS MUST BE INSTALLED BY PERSONNEL CERTIFIED FOR THE SPECIFIED ANCHOR INSTALLATION.
- 8. MALE AND FEMALE MULLIONS CAN BE FLIPPED.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- | | |
|--------|---|
| STEP 1 | DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD. |
| STEP 2 | SEE CHARTS ON SECTION 6 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE. |
| STEP 3 | CHECK MULLION CAPACITY FOR A GIVEN SPACING, HEIGHT, SINGLE SPAN, TWIN SPAN, MULTIPLE SPANS AND CORNERS ON SECTION 4. |
| STEP 4 | USING HEAD/SILL ANCHOR DETAILS, SELECT ANCHOR OPTION FROM TABLES ON SECTION 7 & 8 WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE. |
| STEP 5 | CHECK INTERMEDIATE ANCHOR CAPACITY FOR MULTIPLE SPANS USING CHARTS OR DETAILS ON SECTION 8. |
| STEP 6 | THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 AND 5 SHALL APPLY TO ENTIRE SYSTEM. |

GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE, EXCLUDING REQUIREMENTS FOR HVHZ.
- 2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY , 2X AND STEEL 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. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND THE 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 CONDITION CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN , A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- 5. THIS PRODUCT DOES REQUIRE IMPACT PROTECTIVE DEVICES.
- 6. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE.

TABLE OF CONTENTS	
SECTION	SECTION DESCRIPTION
1	COVER SHEET & GENERAL NOTES
2	ELEVATION
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	DOOR CONNECTION DETAILS
6	GLAZING DETAILS
7	ANCHOR DETAILS
8	DEAD/WIND LOAD ANCHOR DETAILS
9	COMPONENTS & BILL OF MATERIALS



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

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM

GENERAL AND INSTALLATION NOTES

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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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2018.02.14 08:20:40 -0500

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 #:
FL26082

DATE: **1.16.18**

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

DWG. #: **YKK256**

SECTION:

1.0

[Sheet 1 of 34]



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

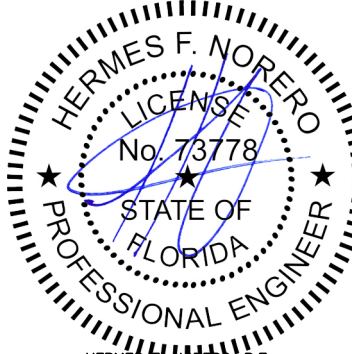
TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
ELEVATION

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[Sheet 2 of 34]			

AVERAGE MULLION SPACING

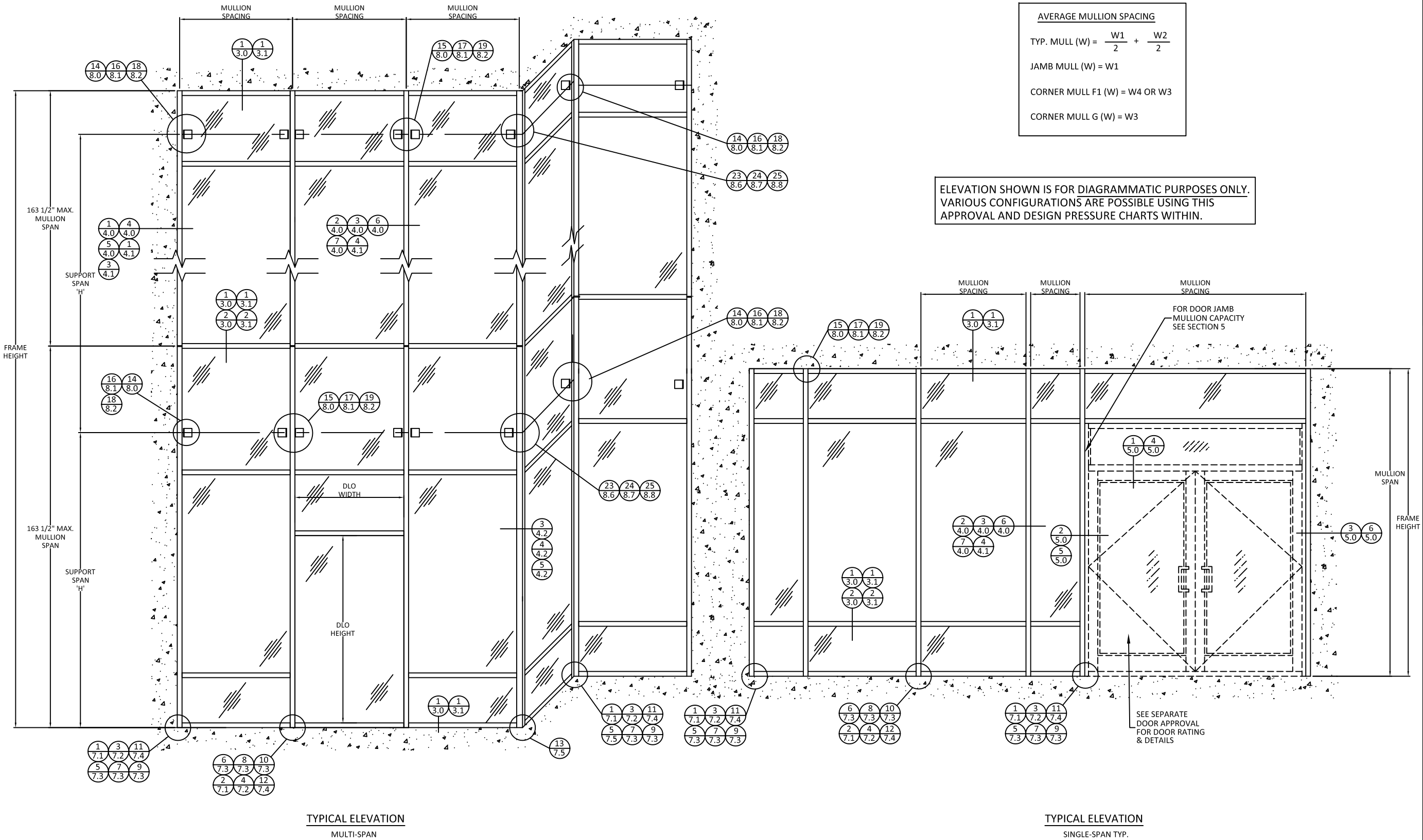
$$\text{TYP. MULL (W)} = \frac{W1}{2} + \frac{W2}{2}$$

JAMB MULL (W) = W1

CORNER MULL F1 (W) = W4 OR W3

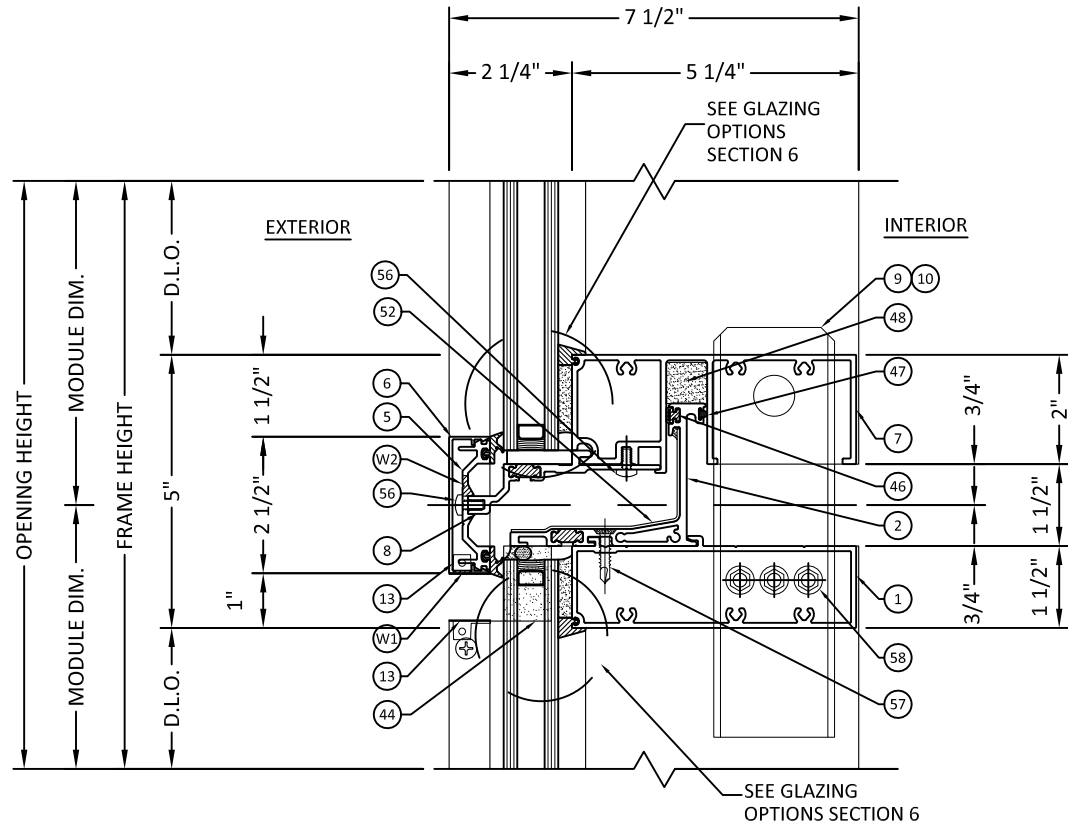
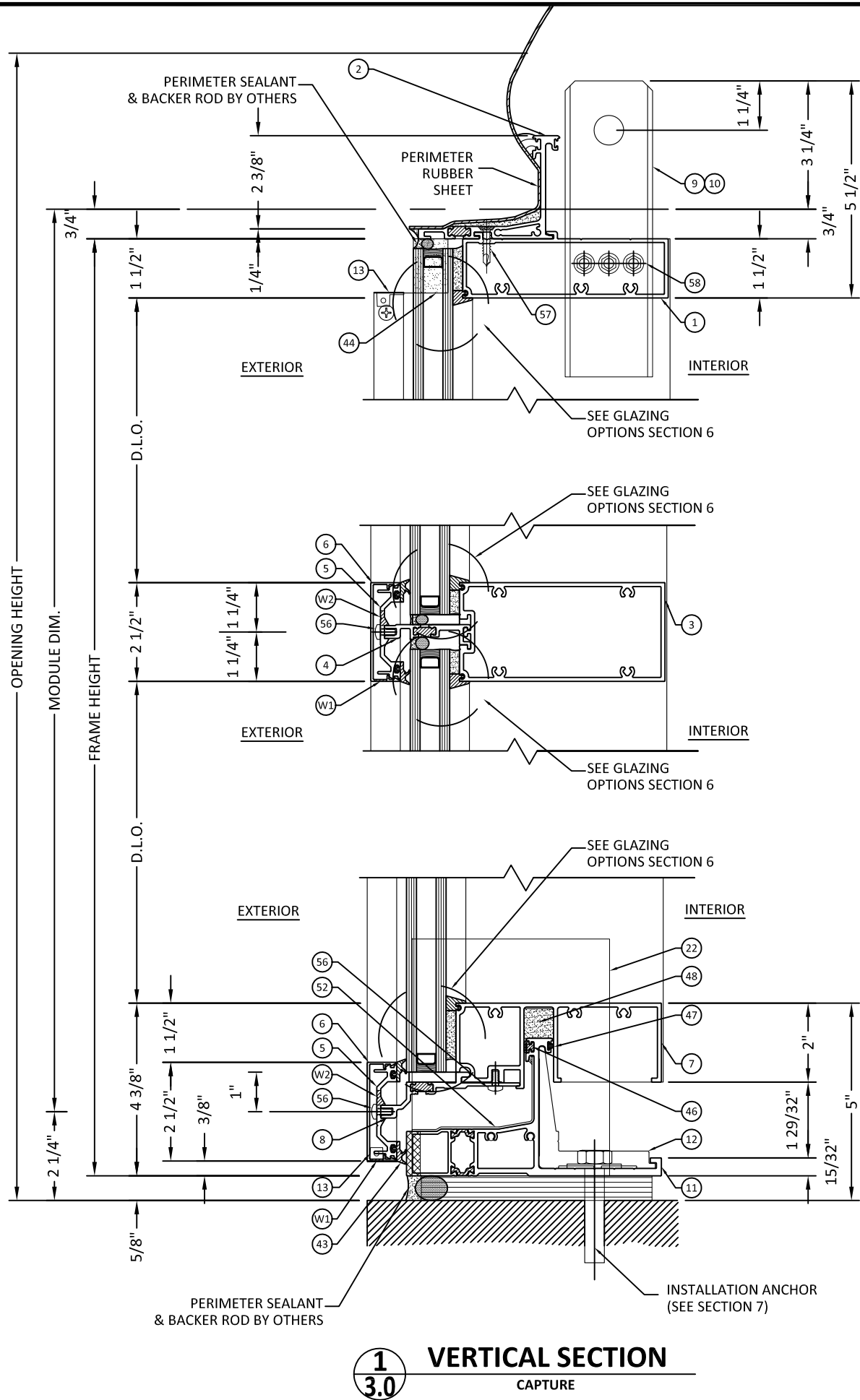
CORNER MULL G (W) = W3

ELEVATION SHOWN IS FOR DIAGRAMMATIC PURPOSES ONLY.
VARIOUS CONFIGURATIONS ARE POSSIBLE USING THIS
APPROVAL AND DESIGN PRESSURE CHARTS WITHIN.



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WEEPHOLES:
W1 = 5/16" DIA. WEEP HOLES TWO PER D.L. OPNG.
= AT 3" FROM VERTICALS
W2 = 5/16" DIA. WEEP HOLES THREE PER LITE
= AT 3" FROM VERTICALS AND CENTER OF D.L. OPNG.

NOTE:
SOLID SHIM UP TO 1/4" MAY BE USED BETWEEN ANCHOR & SUBSTRATE INCREASING THE CAULK JOINT TO 1" ALLOWABLE UNDER THIS CONDITION.



YKK AP America Inc.
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DUBLIN, GEORGIA 31021
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CURTAIN WALL SYSTEM

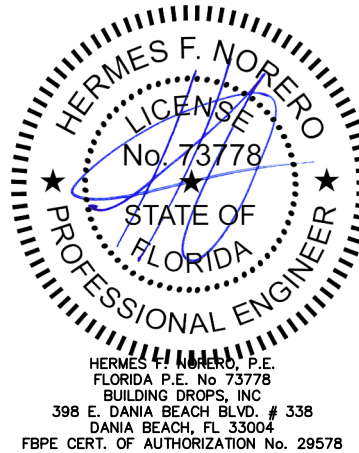
VERTICAL SECTIONS

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PH: (954)399-8478
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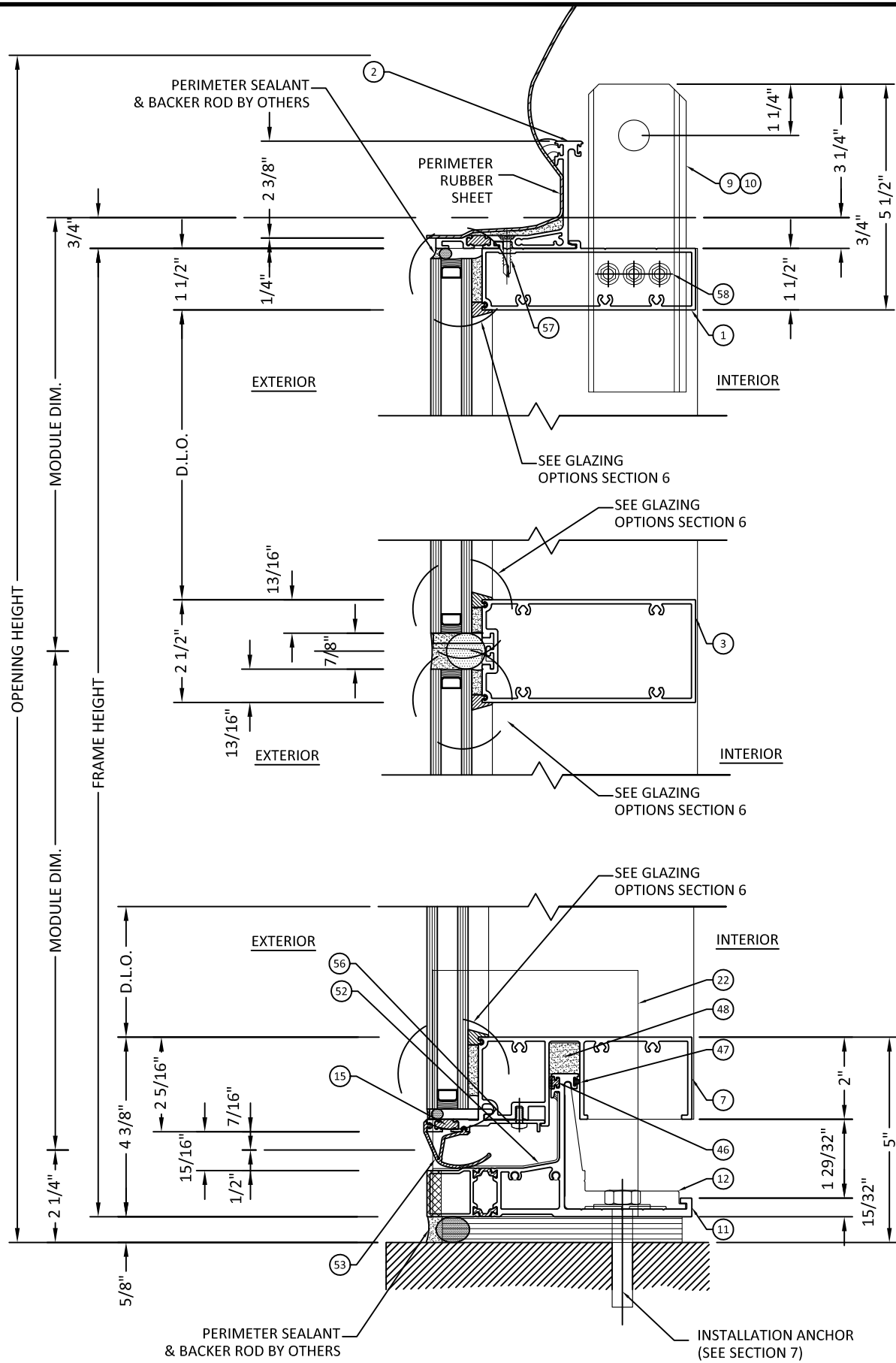
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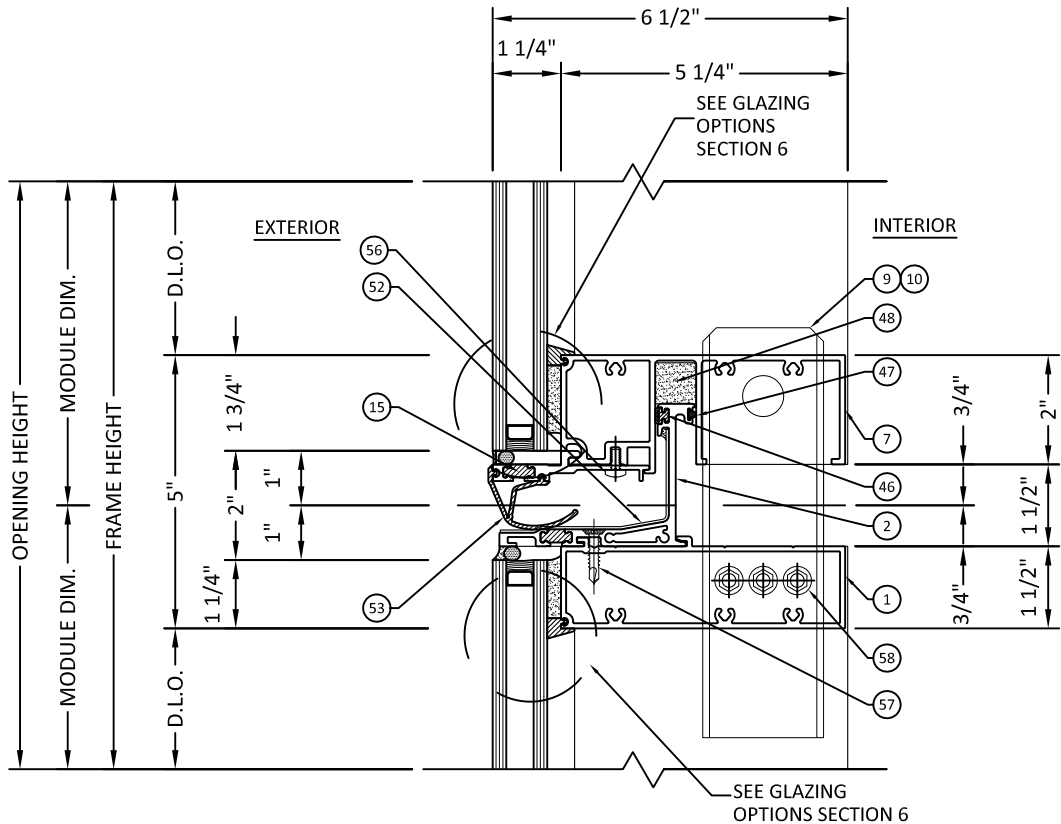
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1
3.1 VERTICAL SECTION
SSG



2
3.1 VERTICAL SECTION
SSG - STACKING HORIZONTAL

NOTE:
SOLID SHIM UP TO 1/4" MAY BE USED BETWEEN
ANCHOR & SUBSTRATE INCREASING THE CAULK
JOINT TO 1" ALLOWABLE UNDER THIS
CONDITION.



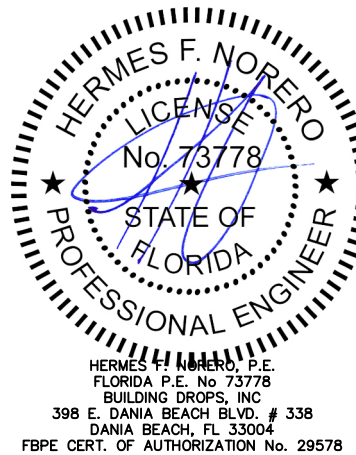
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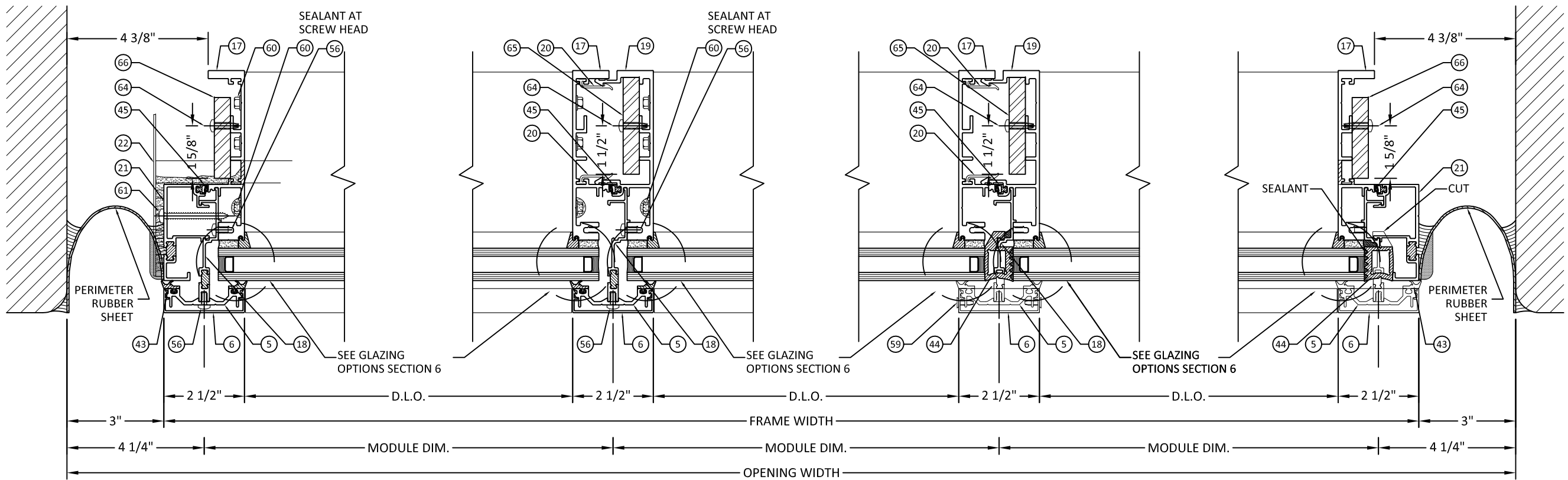
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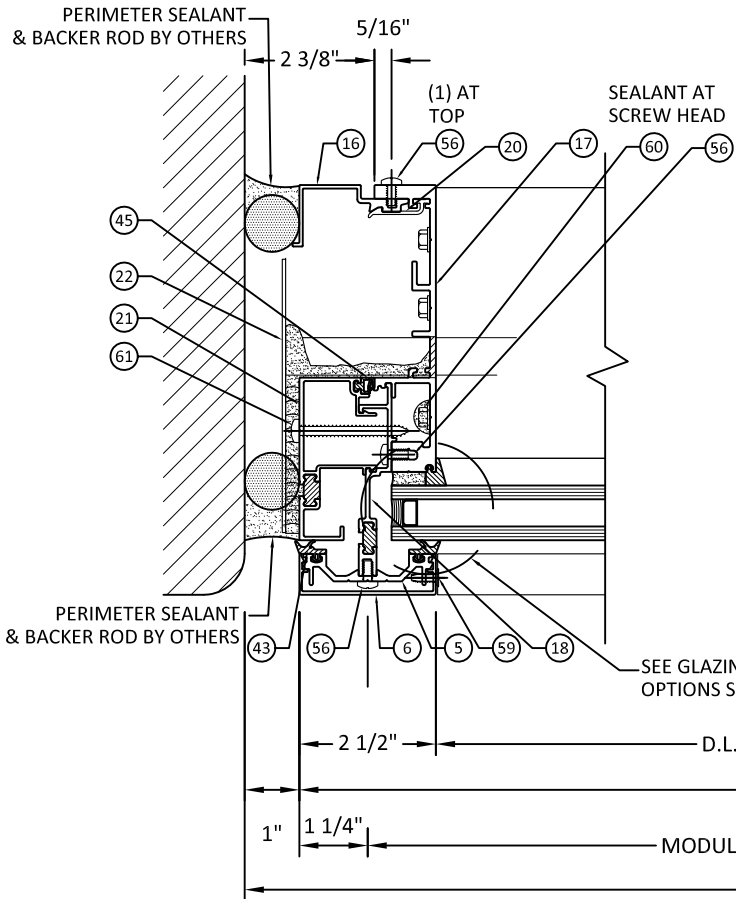


1 HORIZONTAL SECTION
4.0 CAPTURE

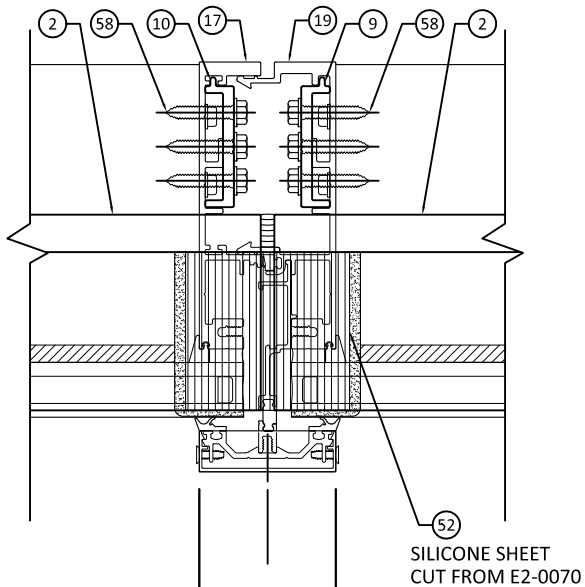
2 HORIZONTAL SECTION
4.0 CAPTURE

3 HORIZONTAL SECTION
4.0 CAPTURE - AT MULLION GAP

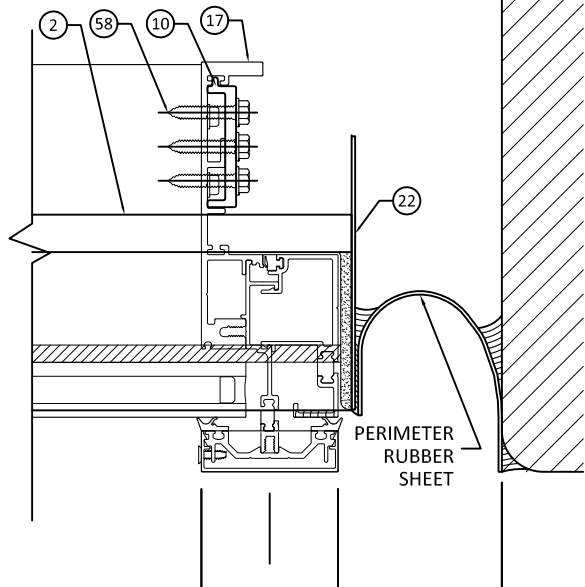
4 HORIZONTAL SECTION
4.0 CAPTURE - AT MULLION GAP



5 HORIZONTAL SECTION
4.0 CAPTURE



6 HORIZONTAL SECTION
4.0 SPLICE - CAPTURE/SSG



7 HORIZONTAL SECTION
4.0 SPLICE - CAPTURE/SSG

NOTE:
JOINT AT JAMBS IS NON-STRUCTURAL AND SHALL BE SUFFICIENT TO PROVIDE PROPER WEATHERPROOFING. SEALANT JOINT SIZE MAY VARY IN ACCORDANCE WITH SEALANT MANUFACTURER'S GUIDELINES AND RECOMMENDATION AND SHALL BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

NOTE:
BILL OF MATERIALS ITEMS #65 & #66 STEEL REINFORCEMENT TO BE USED AS NECESSARY.



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

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM

HORIZONTAL SECTIONS

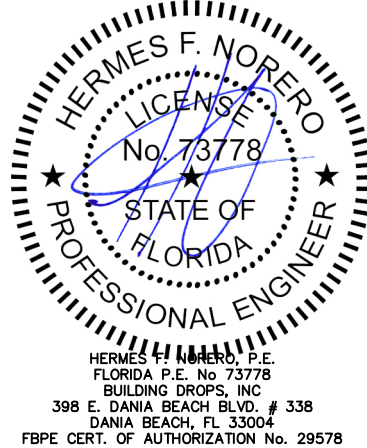
PREPARED BY: BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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WEB: www.buildingdrops.com



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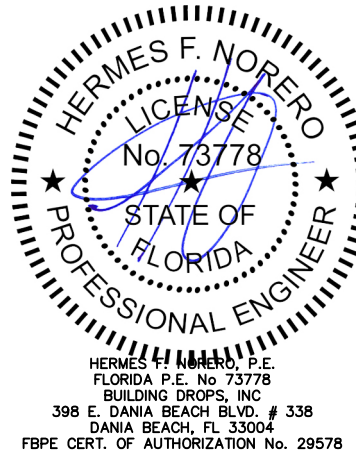
HORIZONTAL SECTIONS

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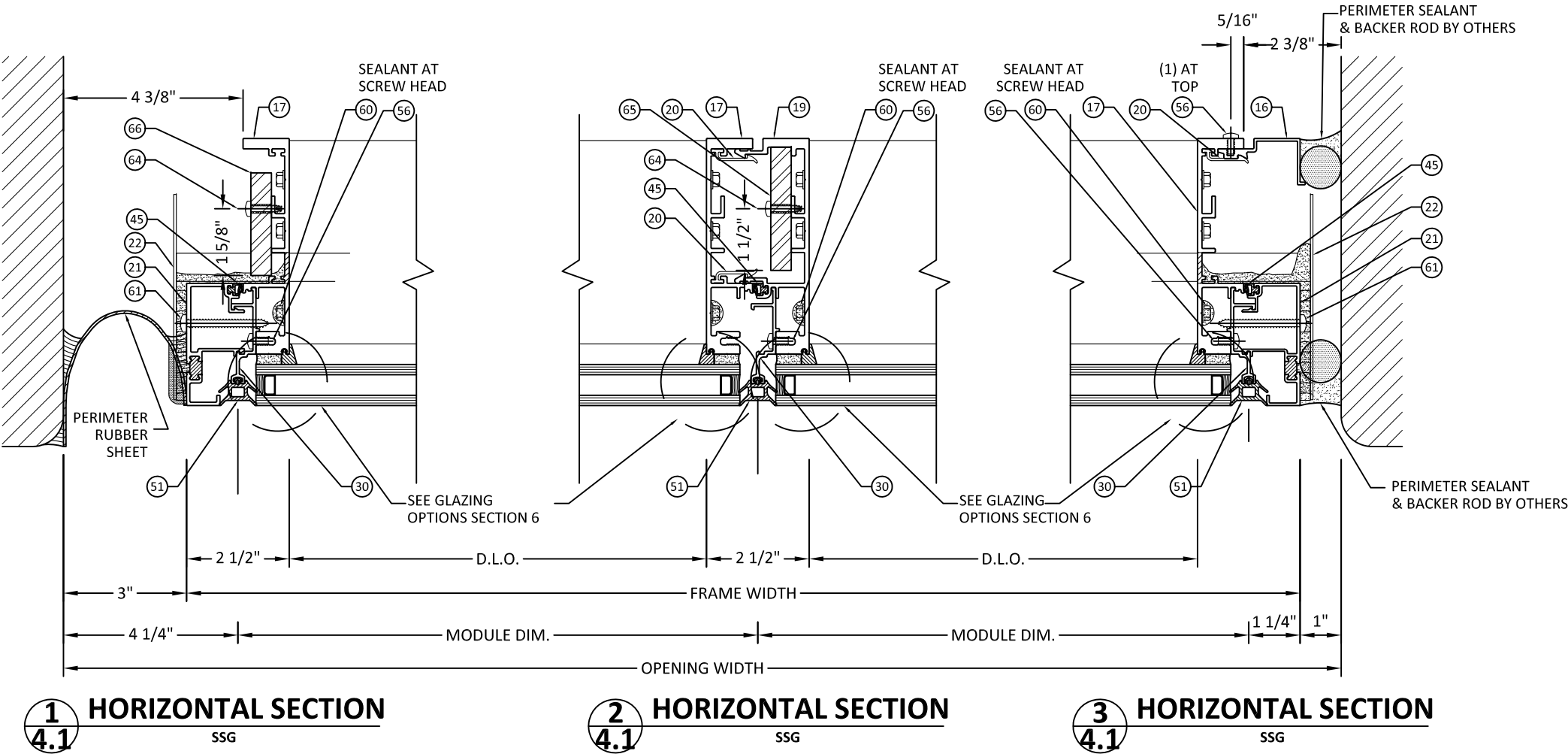
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SECTION:
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[Sheet 6 of 34]

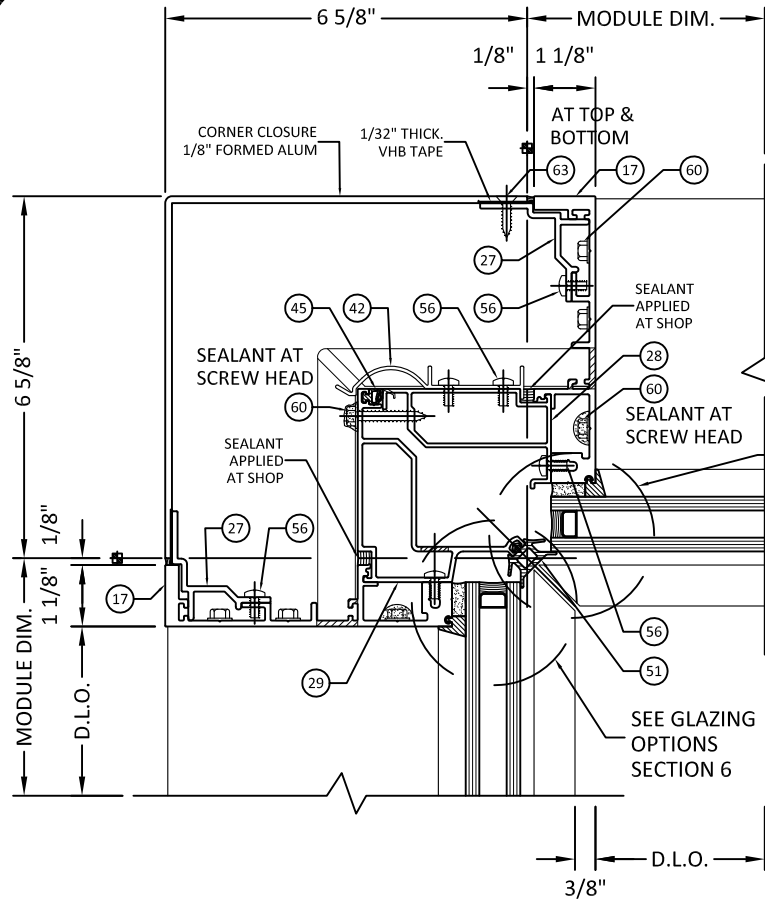


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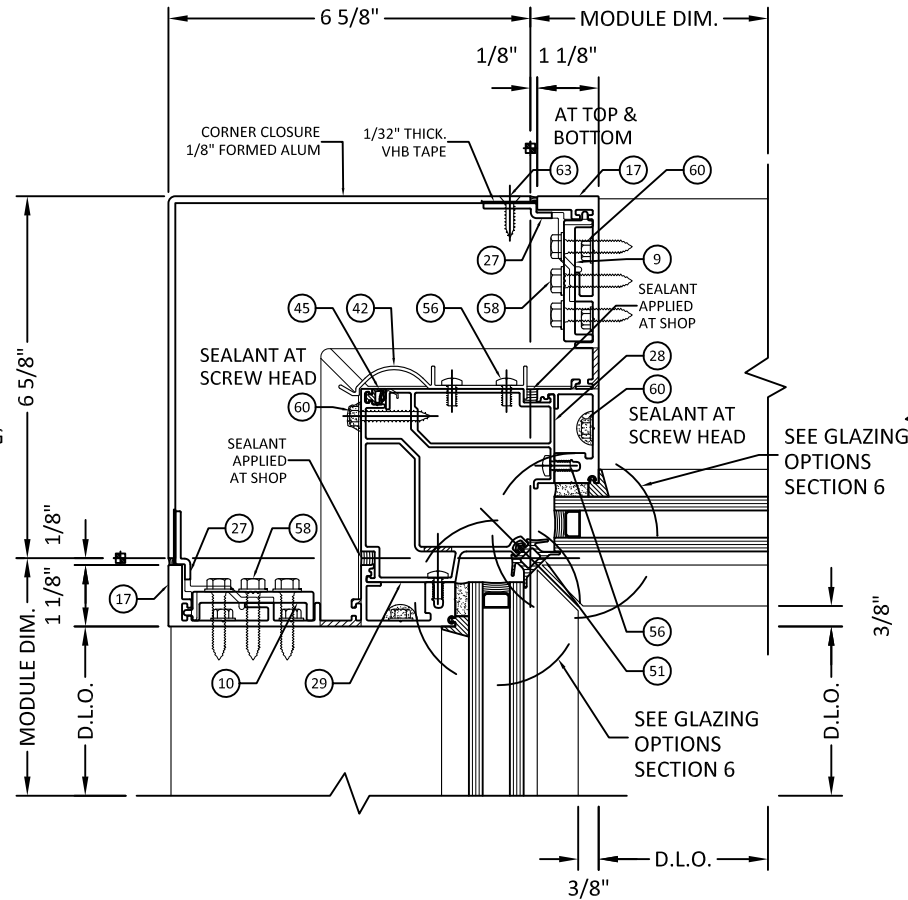
NOTE:
BILL OF MATERIALS ITEMS #65 & #66
STEEL REINFORCEMENT TO BE
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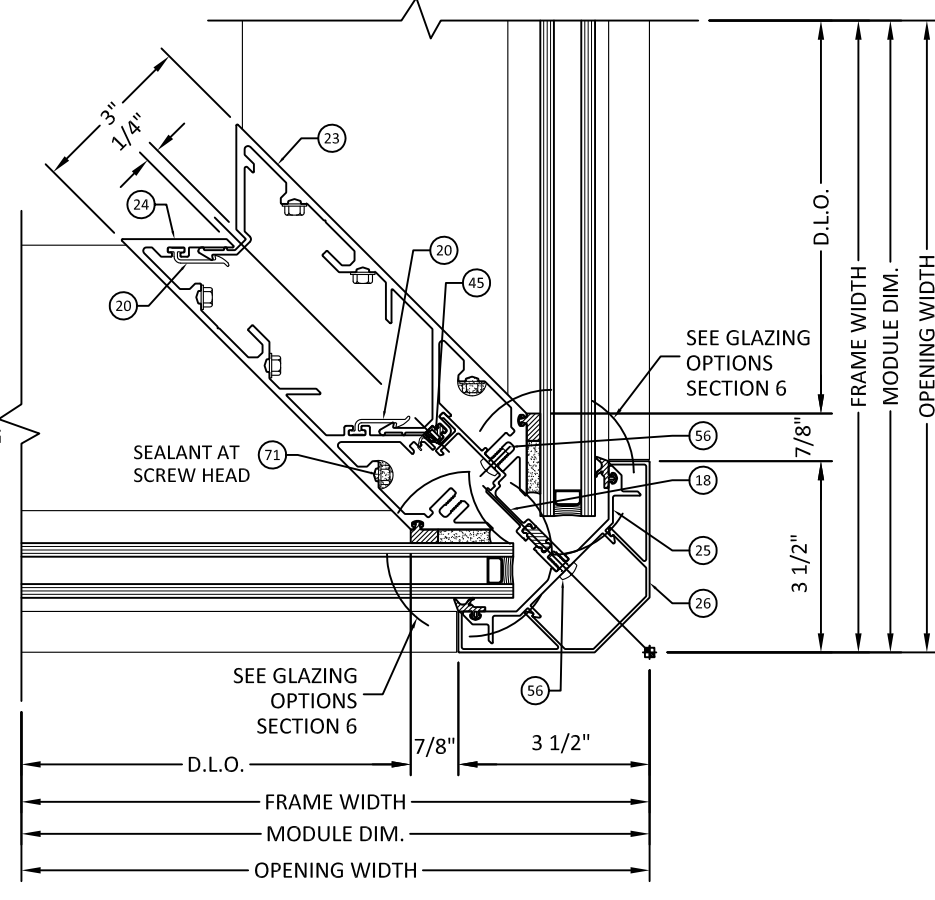
s:\projects\ykk ap america, inc\fb\18-0106 ykk ap america - fbc submittal - yuw 750 tu curtain wall system\dwgs\ykk 256 - fl dwgs 1 thru 4 - cover, elev, vert & horz dtl.dwg



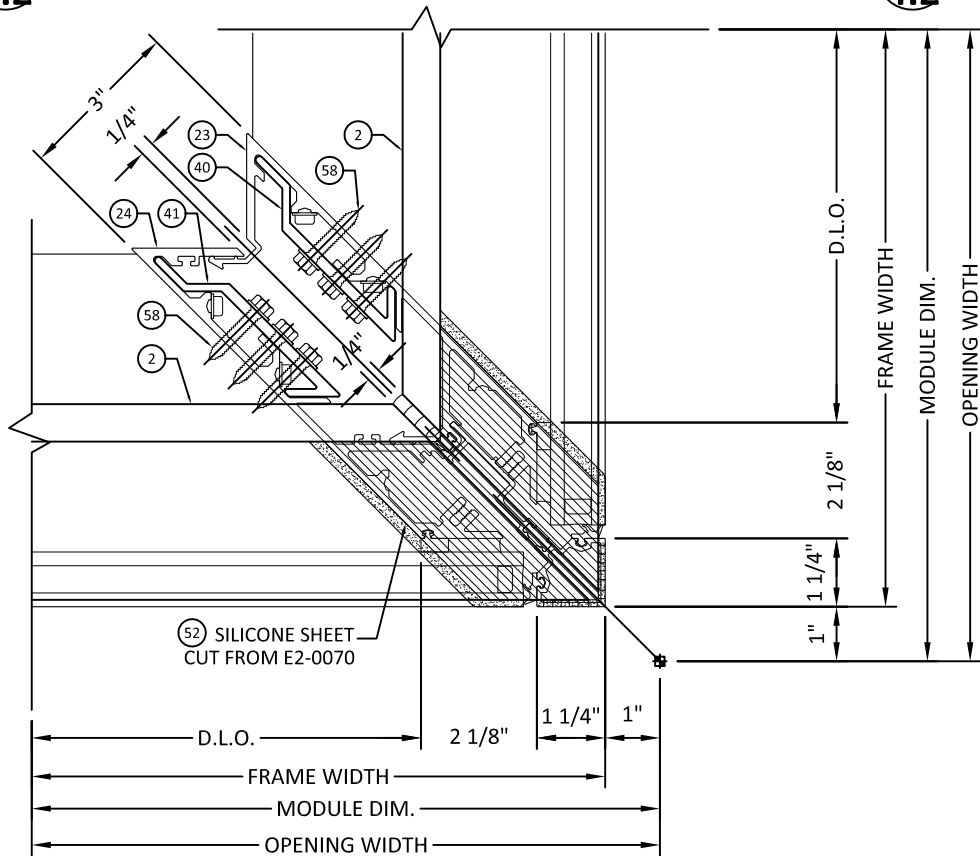
1 HORIZONTAL SECTION
4.2 INSIDE CORNER - CAPTURE/SSG



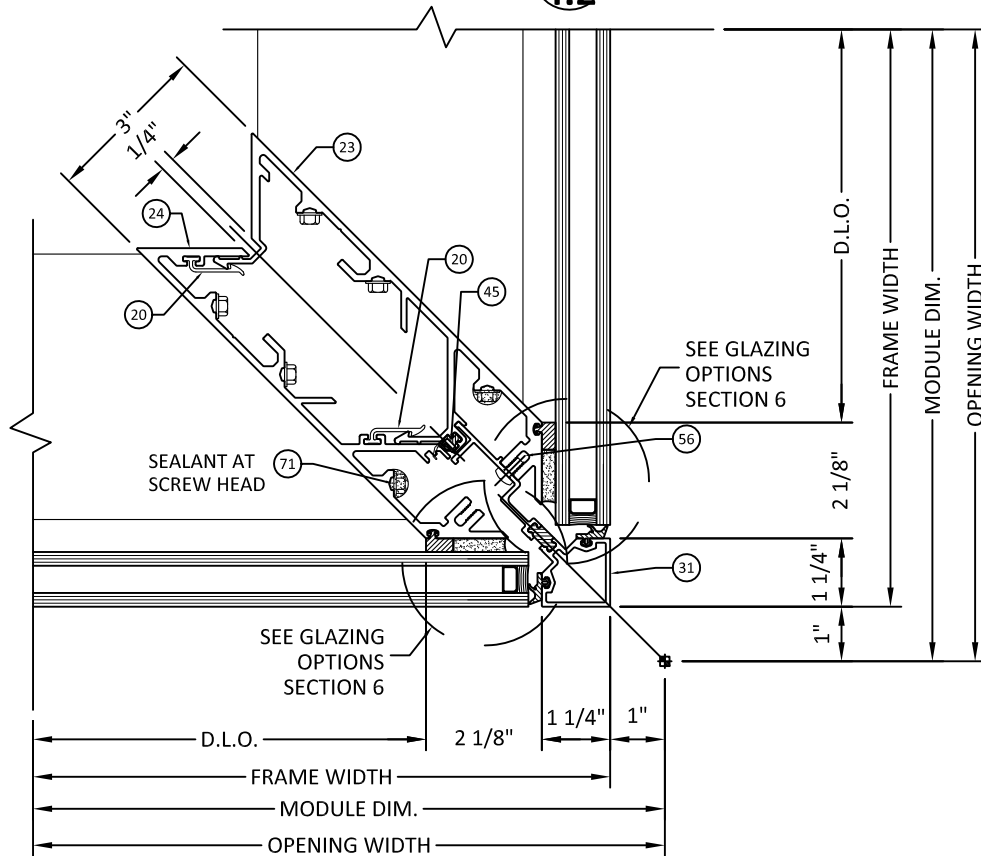
2 HORIZONTAL SECTION
4.2 INSIDE CORNER - SPLICE - CAPTURE/SSG



3 HORIZONTAL SECTION
4.2 OUTSIDE CORNER - CAPTURE



4 HORIZONTAL SECTION
4.2 OUTSIDE CORNER - SPLICE - SSG



5 HORIZONTAL SECTION
4.2 OUTSIDE CORNER - SSG



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1229 HWY 441 BYPASS
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CURTAIN WALL SYSTEM

HORIZONTAL SECTIONS

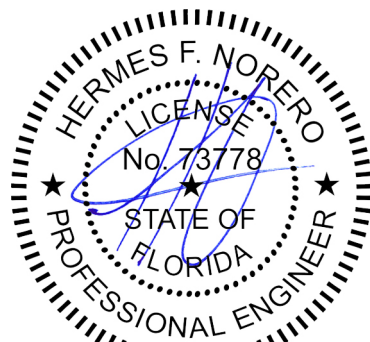
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PH: (954)399-8478
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DWG. #: **YKK256**

SECTION:

4.2

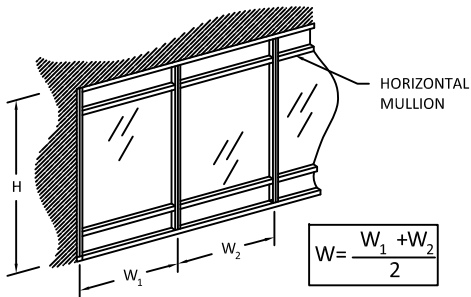
[Sheet 7 of 34]

MULLION CAPACITY CHARTS

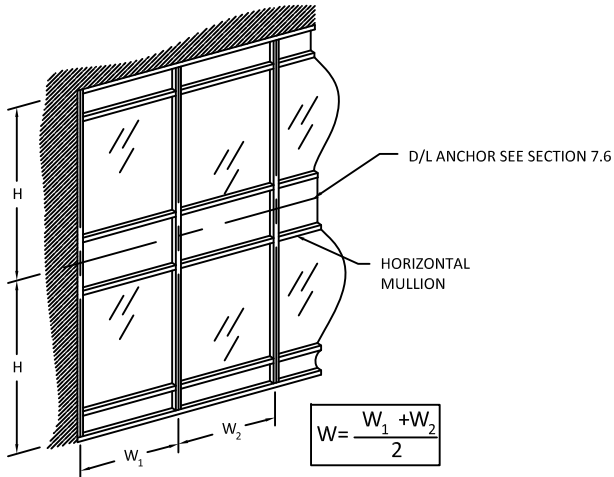
NOTES

- 1. DESIGN PRESSURES ARE LIMITED BY THE MULLION FIBERSTRESS AND DEFLECTION CAPACITY PER FBC CURRENT SPECIFICATIONS FOR HVHZ
- 2. SELECT DESIGN PRESSURE AND PANEL WIDTH (W) AND OBTAIN THE MAXIMUM ALLOWABLE DESIGN PRESSURE FOR MULLION.
- 3. FOR HORIZONTAL MULLIONS CAPACITY, SEE HORIZONTAL MULLION CHART.
- 4. WHEN PANEL WIDTHS ARE NOT EQUAL, USE THE AVERAGE WIDTH ON THE CHART.

HORIZONTAL MULLIONS (+/- PSF)	
WIDTH, W (in) 'Span'	Ext. (+) Int. (-)
60	45



SINGLE SPAN

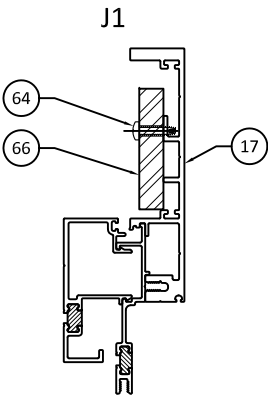


DOUBLE SPAN

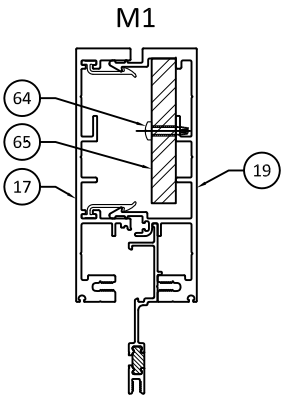
REINFORCING LENGTH = FRAME HEIGHT - 12 IN.

- * NOTE:
- 1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
 - 2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
 - 3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
 - 4. D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.

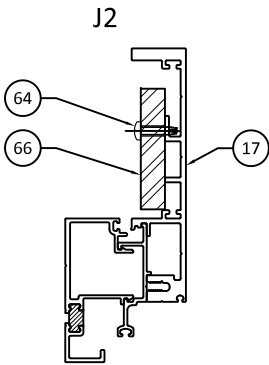
- VERTICAL MEMBER SINGLE SPAN NOTES:
- 1. DETAILS HAVE BEEN SHOWN FOR ILLUSTRATIVE PURPOSES. FOR DETAILS OF FULL ASSEMBLY PLEASE REFER TO APPLICABLE DETAILS ON SECTION 3.
 - 2. TABULATED DESIGN PRESSURE VALUES ARE BASED ON LIMITATIONS OF DEFLECTION, FIBERSTRESS, & END REACTION PER MULLION SPAN ('L') AND MULLION SPACING ('W').
 - 3. FOR SITE CONDITIONS WHICH EXCEED LIMITATIONS SHOWN, FURTHER ENGINEERING MAY BE REQUIRED ON A CASE BY CASE BASIS.
 - 4. FOR ANCHOR DETAILS, PLEASE REFER TO SECTION 7 & 8 FOR ANCHOR SELECTION, SUBSTRATE REQUIREMENTS, AND FURTHER LIMITATIONS OF USE.



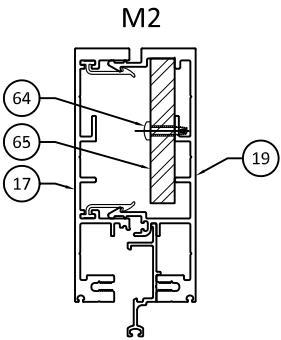
REINFORCED JAMB MULLION - CAPTURE



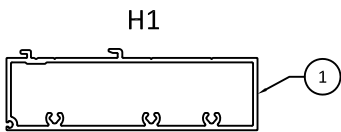
REINFORCED MULLION - CAPTURE



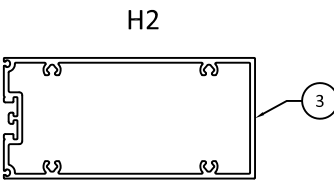
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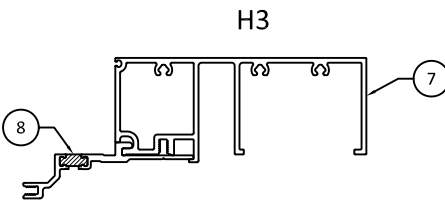
REINFORCED MULLION - SSG



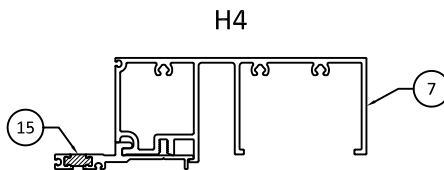
HEAD HORIZONTAL - CAPTURE/SSG



HORIZONTAL - CAPTURE/SSG



SILL HORIZONTAL - CAPTURE



SILL HORIZONTAL - SSG



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

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM

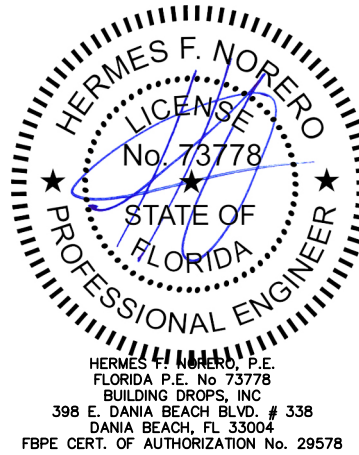
HORIZONTAL SECTIONS (CORNERS)

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 #:
FL26082

DATE: **1.16.18**

DWG. BY: **RV** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK256**

SECTION:
4.3
[Sheet 8 of 34]

MULLION CAPACITY CHARTS

JAMB/MULLION LOAD CAPACITY - Single Span (+/- PSF)			
NOMINAL DIMS.		JAMB 'J1' & 'J2'	MULLION 'M1' & 'M2'
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18.0	90.0	45.0	45.0
24.0		45.0	45.0
29.6		45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		45.0	45.0
72.0		45.0	45.0
18.0	96.0	45.0	45.0
24.0		45.0	45.0
29.6		45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		45.0	45.0
72.0		45.0	45.0
18.0	102.0	45.0	45.0
24.0		45.0	45.0
29.6		45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		45.0	45.0
72.0		45.0	45.0
18.0	108.0	45.0	45.0
24.0		45.0	45.0
29.6		45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		45.0	45.0
72.0		41.6	45.0
18.0	114.0	45.0	45.0
24.0		45.0	45.0
29.6		45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		40.7	45.0
72.0		37.3	45.0

JAMB/MULLION LOAD CAPACITY - Single Span (+/- PSF)			
NOMINAL DIMS.		JAMB 'J1' & 'J2'	MULLION 'M1' & 'M2'
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18.0	120.0	45.0	45.0
24.0		45.0	45.0
29.6		45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		44.9	45.0
59.1		41.0	45.0
66.0		36.7	45.0
72.0		33.7	45.0
18.0	126.0	45.0	45.0
24.0		45.0	45.0
29.6		45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		40.7	45.0
59.1		37.2	45.0
66.0		33.3	45.0
72.0		30.5	45.0
18.0	132.0	45.0	45.0
24.0		45.0	45.0
29.6		45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		41.7	45.0
54.0		37.1	45.0
59.1		33.9	45.0
66.0		30.4	45.0
72.0		27.8	45.0
18.0	138.0	45.0	45.0
24.0		45.0	45.0
29.6		45.0	45.0
36.0		45.0	45.0
42.0		43.6	45.0
48.0		38.2	45.0
54.0		33.9	45.0
59.1		31.0	45.0
66.0		27.8	45.0
72.0		25.5	45.0

JAMB/MULLION LOAD CAPACITY - Single Span (+/- PSF)			
NOMINAL DIMS.		JAMB 'J1' & 'J2'	MULLION 'M1' & 'M2'
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18.0	144	45.0	45.0
24.0		45.0	45.0
29.6		45.0	45.0
36.0		45.0	45.0
42.0		40.1	45.0
48.0		35.1	45.0
54.0		31.2	45.0
59.1		28.5	45.0
66.0		25.5	45.0
72.0		23.4	45.0
18.0	150	45.0	45.0
24.0		45.0	45.0
29.6		45.0	45.0
36.0		43.1	45.0
42.0		36.9	45.0
48.0		32.3	45.0
54.0		28.7	45.0
59.1		26.2	45.0
66.0		23.5	45.0
72.0		21.5	43.1
18.0	156	45.0	45.0
24.0		45.0	45.0
29.6		45.0	45.0
36.0		39.8	45.0
42.0		34.2	45.0
48.0		29.9	45.0
54.0		26.6	45.0
59.1		24.3	45.0
66.0		21.7	43.5
72.0		19.9	39.9
18.0	162.0	45.0	45.0
24.0		45.0	45.0
29.6		43.7	45.0
36.0		35.9	45.0
42.0		30.8	45.0
48.0		26.9	45.0
54.0		23.9	45.0
59.1		21.9	43.8
66.0		19.6	39.2
72.0		18.0	35.9



YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
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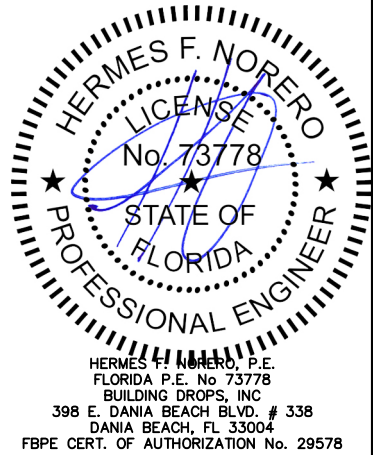
TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
MULLION CAPACITY CHART

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
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FL #:
FL26082

DATE: **1.16.18**

DWG. BY: **RV** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK256**

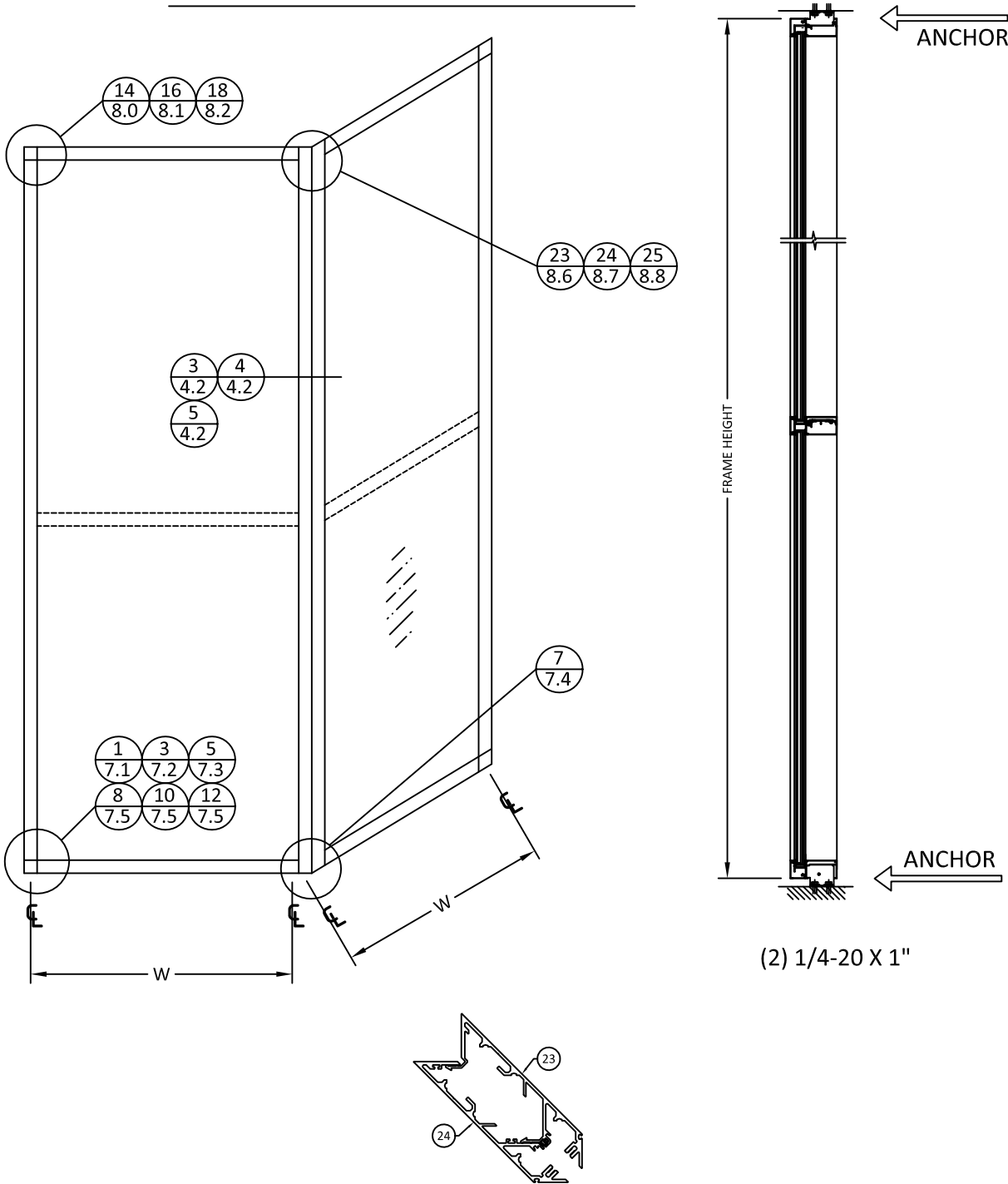
SECTION:

4.4
[Sheet 9 of 34]

2/13/2018 5:06 PM

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CORNER MULLION W/O REINFORCING
SINGLE SPAN WITH HORIZONTAL



CORNER MULLION

WIDTH-W INCHES	FRAME HEIGHT INCHES	DP (+/- PSF)
66	144	45.0
59.125	150	45.0
59.125	156	45.0
59.125	162	45.0

CORNER MULLIONS - CAPACITY CHART

CORNER MULLION LOAD CAPACITY - Single Span (+/- PSF)		
NOMINAL DIMS.		MULLION
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)
18.0	90	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		45.0
66.0		45.0
72.0		45.0
18.0	96	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		45.0
66.0		45.0
72.0		45.0
18.0	102	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		45.0
66.0		45.0
72.0		45.0
18.0	108	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		45.0
66.0		45.0
72.0		45.0

CORNER MULLION LOAD CAPACITY - Single Span (+/- PSF)		
NOMINAL DIMS.		MULLION
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)
18.0	114	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		45.0
66.0		45.0
72.0		45.0
18.0	120	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		45.0
66.0		45.0
72.0		45.0
18.0	126	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		45.0
66.0		45.0
72.0		45.0
18.0	132	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		45.0
66.0		45.0
72.0		45.0

CORNER MULLION LOAD CAPACITY - Single Span (+/- PSF)		
NOMINAL DIMS.		MULLION
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)
18.0	138	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		45.0
66.0		45.0
72.0		45.0
18.0	144	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		45.0
66.0		45.0
72.0		45.0
18.0	150	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		45.0
66.0		45.0
72.0		43.1
18.0	156	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		45.0
66.0		43.5
72.0		39.9

CORNER MULLION LOAD CAPACITY - Single Span (+/- PSF)		
NOMINAL DIMS.		MULLION
WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	EXT. (+) INT. (-)
18.0	162	45.0
24.0		45.0
29.6		45.0
36.0		45.0
42.0		45.0
48.0		45.0
54.0		45.0
59.1		43.8
66.0		39.2
72.0		35.9



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

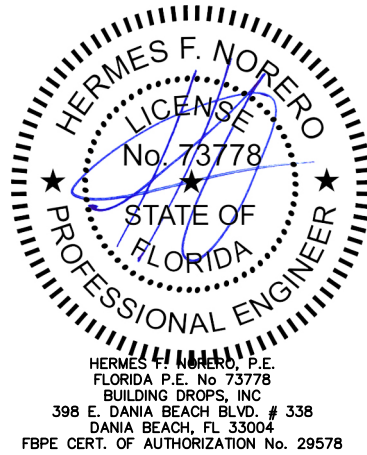
TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
MULLION CAPACITY CHART

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



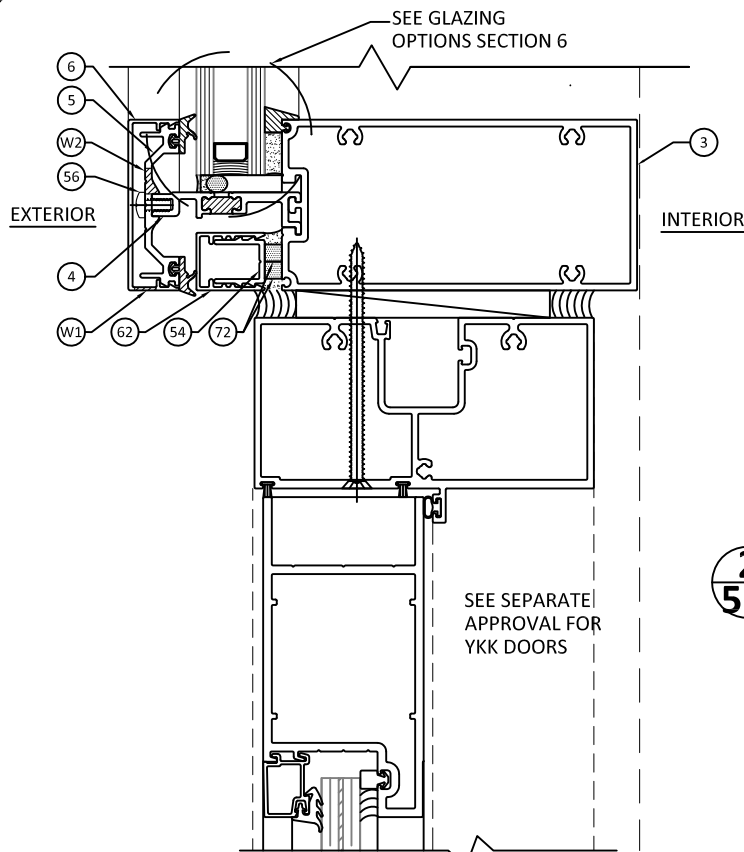
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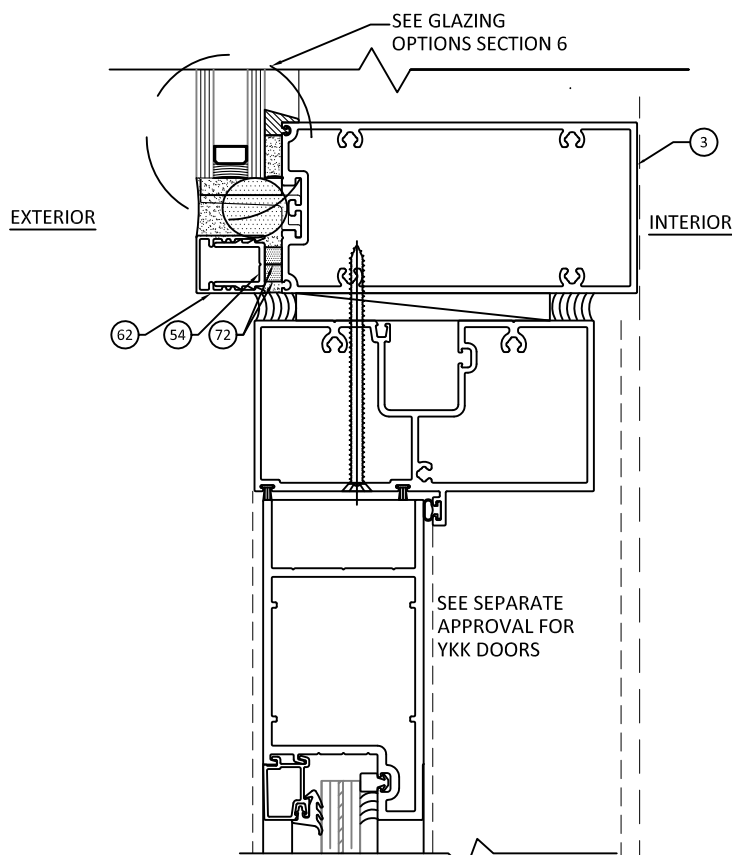


FL #:		FL26082	
DATE:		1.16.18	
DWG. BY:		CHK. BY:	
RV		HFN	
SCALE:		NTS	
DWG. #:		YKK256	
SECTION:		4.5	
[Sheet 10 of 34]			

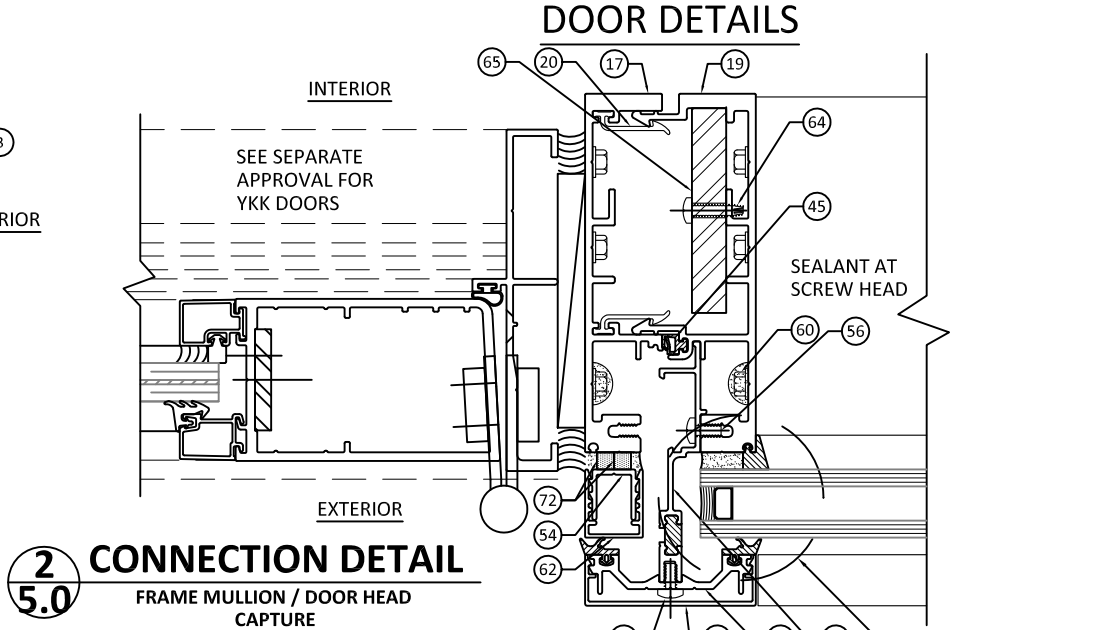
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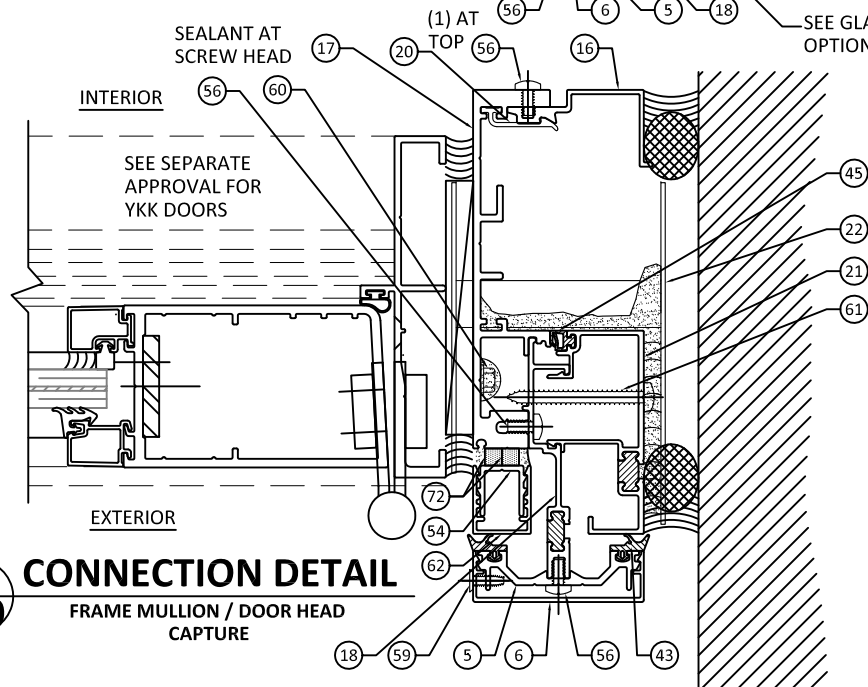
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5.0 CONNECTION DETAIL
FRAME MULLION / DOOR HEAD
CAPTURE



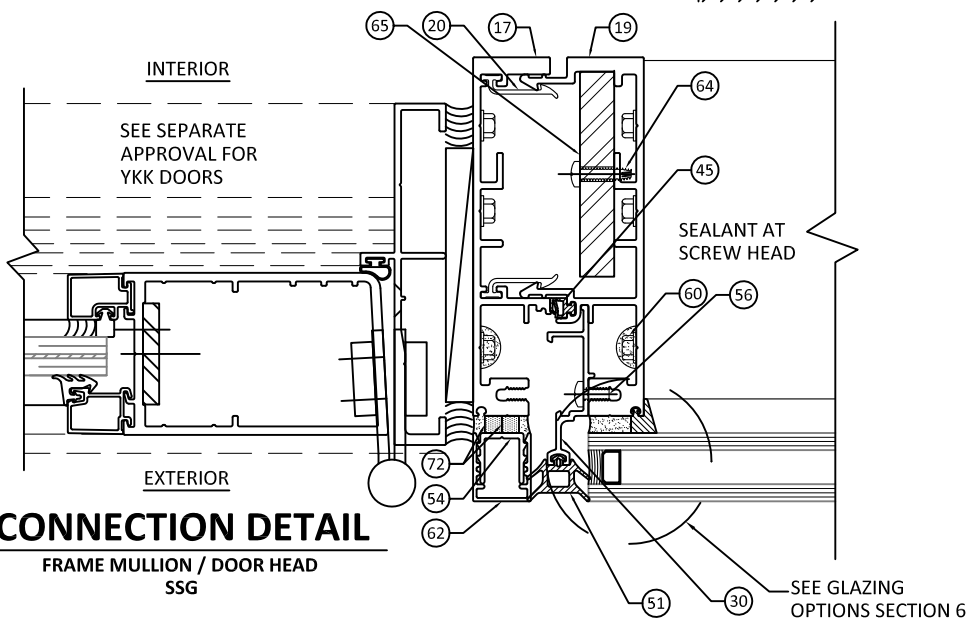
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5.0 CONNECTION DETAIL
FRAME MULLION / DOOR HEAD
SSG



2
5.0 CONNECTION DETAIL
FRAME MULLION / DOOR HEAD
CAPTURE

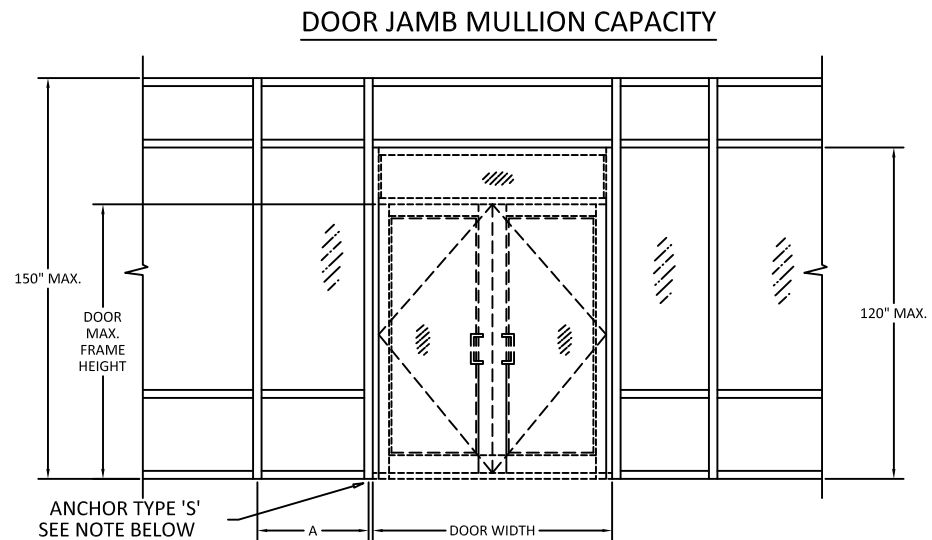


3
5.0 CONNECTION DETAIL
FRAME MULLION / DOOR HEAD
CAPTURE



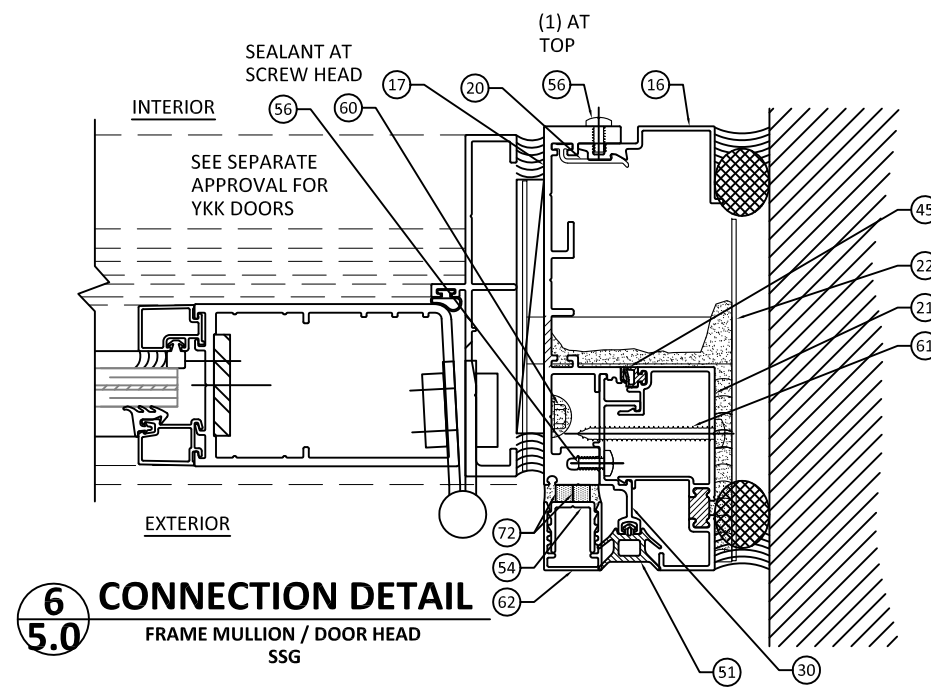
5
5.0 CONNECTION DETAIL
FRAME MULLION / DOOR HEAD
SSG

DOOR DETAILS



MAX. DOOR OPNG, WIDTH	A	DP (+/- PSF)
96"	30"	45.0
84"	38"	45.0
72"	46"	45.0

NOTE: FOR DOOR HEIGHT LESS
THAN OR EQUAL TO 120" IN. USE
ABOVE TABLE.



6
5.0 CONNECTION DETAIL
FRAME MULLION / DOOR HEAD
SSG



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

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM

DOOR 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
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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 #:
FL26082

DATE: **1.16.18**

DWG. BY: **RV** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK256**

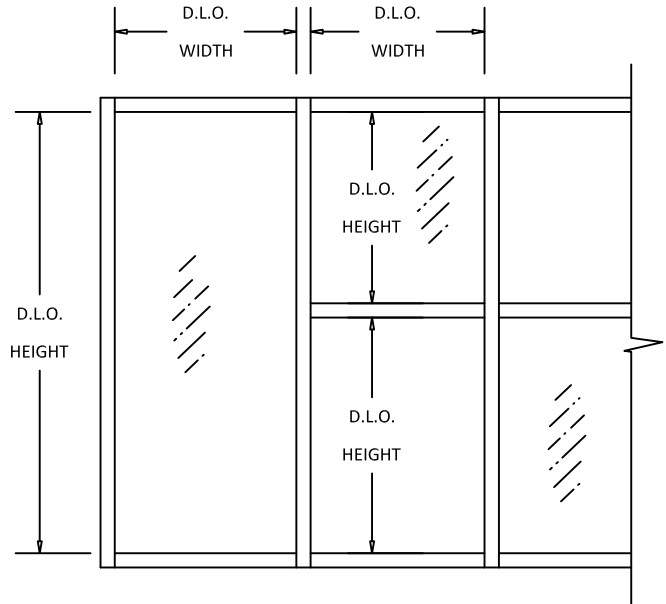
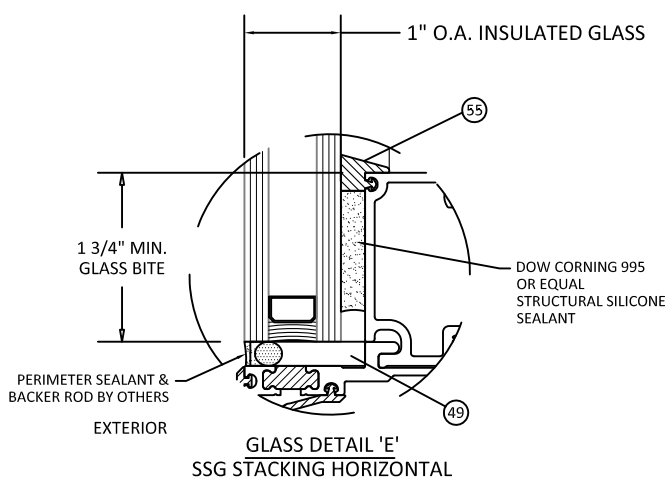
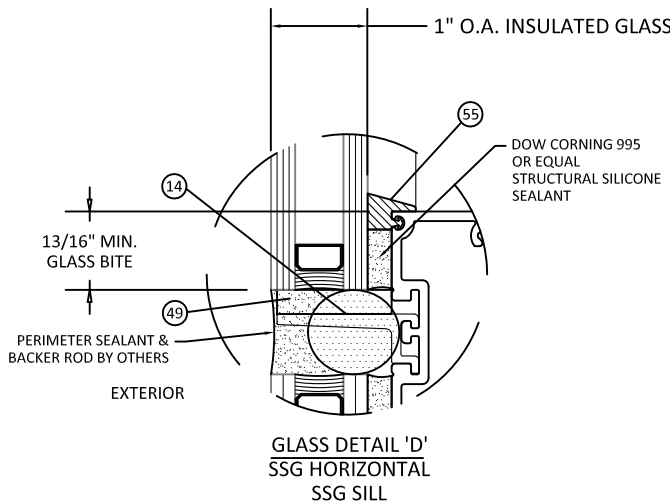
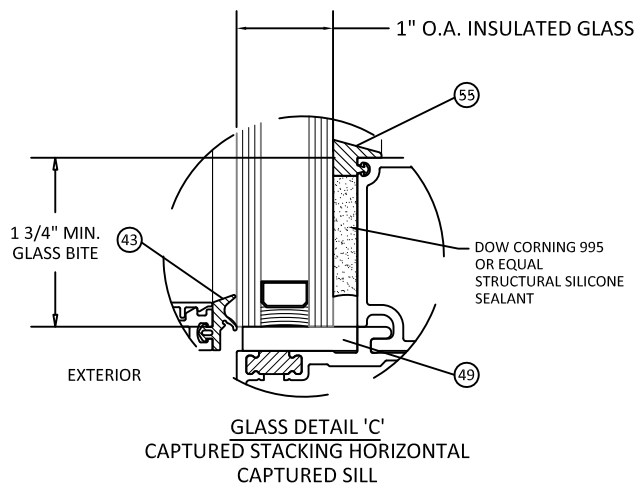
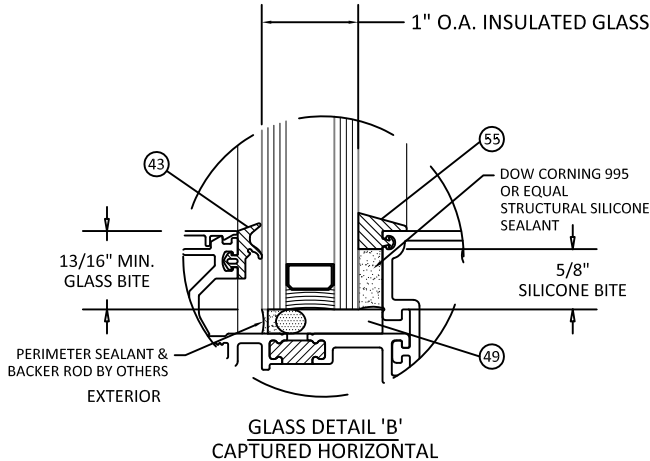
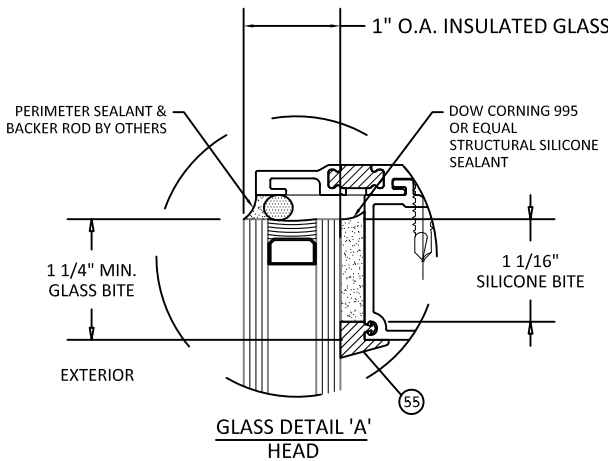
SECTION:

5.0

[Sheet 11 of 34]

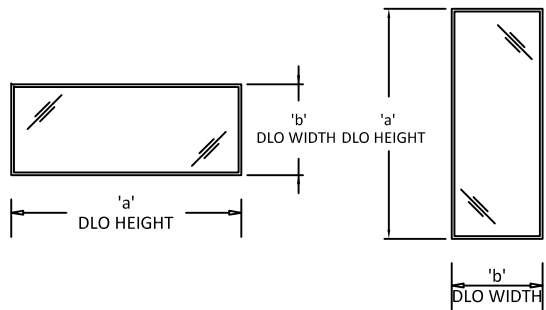
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GLASS OPTIONS



PANEL DIMENSIONS

('a' ≥ 'b')



* NOTE:

1. GLASS TYPE AND THICKNESS SHALL COMPLY WITH THE REQUIREMENTS OF ASTM E1300.
2. DO NOT EXCEED MULLION CAPACITY SELECTED OR ANCHOR CAPACITY IN DESIGN PRESSURE CHARTS
3. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
4. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
5. D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.

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.

REFER TO 6.1 FOR INSULATED GLASS CAPACITY CHARTS.



YKK AP America Inc.

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

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM

GLAZING DETAILS

PREPARED BY:

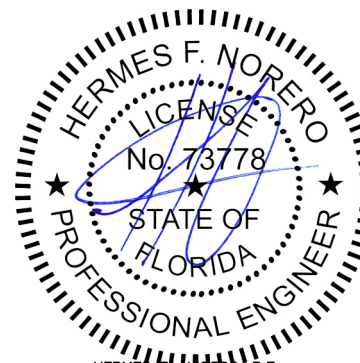
BUILDING DROPS, INC.

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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 #:

FL26082

DATE: 1.16.18

DWG. BY:
RV

CHK. BY:
HFN

SCALE: NTS

DWG. #: YKK256

SECTION:

6.0

[Sheet 12 of 34]

s:\projects\ykk ap america, inc\fbc-18-0106-ykk ap america-fbc submittal - yuw 750 tu curtain wall system\dwgs\ykk 256 - fl dwgs 5 & 6 - door & glazing dtds.dwg 2/14/2018 6:03 PM

GLASS LOAD CAPACITY

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPE 1" IGU	
DLO WIDTH 'a' (in.)	DLO HEIGHT 'b' (in.)	EXT. (+)	INT. (-)
36.0	34.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
46.5		40.8	40.8
72.0		36.3	36.3
78.0		32.7	32.7
84.0		29.8	29.8
90.0		27.4	27.4
36.0	40.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		43.4	43.4
72.0		38.4	38.4
78.0		34.4	34.4
84.0		31.2	31.2
90.0		28.5	28.5
36.0	46.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		45.0	45.0
72.0		40.8	40.8
78.0		36.3	36.3
84.0		32.7	32.7
90.0		29.8	29.8

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPE 1" IGU	
DLO WIDTH 'a' (in.)	DLO HEIGHT 'b' (in.)	EXT. (+)	INT. (-)
36.0	52.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		45.0	45.0
72.0		43.4	43.4
78.0		38.4	38.4
84.0		34.4	34.4
90.0		31.2	31.2
36.0	58.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		45.0	45.0
72.0		45.0	45.0
78.0		40.8	40.8
84.0		36.3	36.3
90.0		32.7	32.7
36.0	64.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		42.9	42.9
72.0		45.0	45.0
78.0		43.4	43.4
84.0		38.4	38.4
90.0		34.4	34.4

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPE 1" IGU	
DLO WIDTH 'a' (in.)	DLO HEIGHT 'b' (in.)	EXT. (+)	INT. (-)
36.0	96.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		40.3	40.3
72.0		37.0	37.0
78.0		-	-
84.0		-	-
36.0	102.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		40.3	40.3
72.0		-	-
78.0		-	-
36.0	108.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		-	-
72.0		-	-
36.0	114.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		-	-
72.0		-	-

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPE 1" IGU	
DLO WIDTH 'a' (in.)	DLO HEIGHT 'b' (in.)	EXT. (+)	INT. (-)
36.0	118.6	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
59.1		45.0	45.0
66.0		-	-
72.0		-	-
36.0	126.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
36.0	132.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		-	-
59.1		-	-
36.0	138.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		-	-
59.1		-	-
36.0	144.0	45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		-	-
59.1		-	-
36.0	150.0	45.0	45.0
42.0		45.0	45.0
48.0		-	-
54.0		-	-
59.1		-	-
36.0	156.0	45.0	45.0
42.0		45.0	45.0
48.0		-	-
54.0		-	-

GLASS TABLE NOTES:

1. GLASS TYPE AND THICKNESS SHALL COMPLY WITH THE REQUIREMENTS OF ASTM E1300.
2. GLASS CAPACITIES ARE LIMITED BY THE RESULTS OF COMPARATIVE ANALYSIS IN ACCORDANCE WITH CHAPTER 17 OF THE CURRENT FBC.
3. WHERE REQUIRED, TEMPERED GLASS IS REQUIRED TO BE USED TO COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CHAPTER 24 OF THE CURRENT FBC.
4. ALL GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE APPROVED SETTING BLOCKS IN ACCORDANCE WITH CHAPTER 24 OF THE CURRENT FBC.
5. REFER TO FIGURE 1 FOR ILLUSTRATION OF DAYLIGHT OPENING DIMENSIONS.



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

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
GLAZING DETAILS

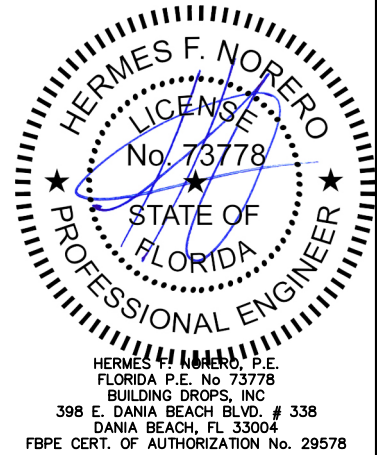
PREPARED BY:



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

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SCALE: NTS

DWG. #: YKK256

SECTION:

6.1

[Sheet 13 of 34]

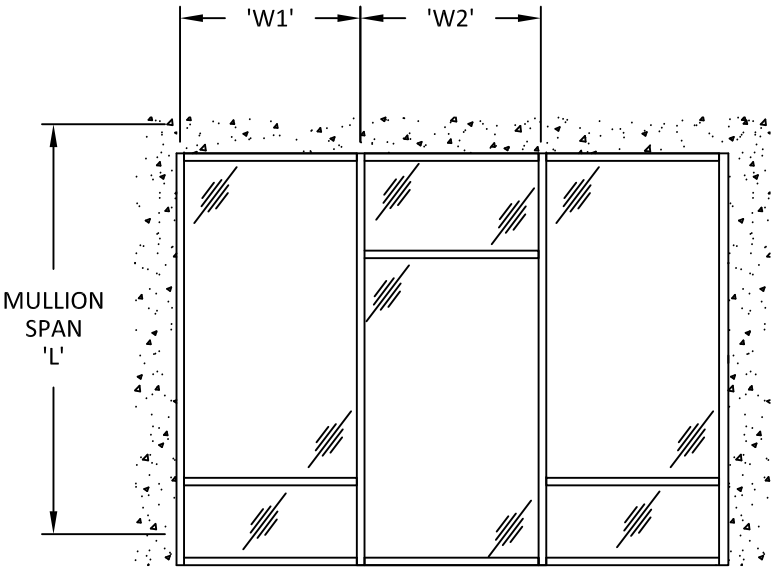
ANCHOR TYPES

TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EDGE DISTANCE	MINIMUM EMBEDMENT
A	1/2"	HILTI KWIK BOLT TZ	MIN. 3000 PSI CONCRETE 'UNCRACKED'	3 1/4"	3 5/8"
			MIN. 3000 PSI CONCRETE 'CRACKED OR UNCRACKED'	4 1/2"	
			MIN. 4000 PSI CONCRETE 'UNCRACKED'	3 1/4"	
			MIN. 4000 PSI CONCRETE 'CRACKED OR UNCRACKED'	3 3/4"	
B	1/2"	"HILTI HAS + HIT HY200 ADHESIVE ANCHOR"	MIN. 4000 PSI CONCRETE 'CRACKED OR UNCRACKED'	5"	5"
C	1/2"	POWERS WEDGE-BOLT +	MIN. 3000 PSI CONCRETE 'UNCRACKED'	4"	3 1/2"
			MIN. 3000 PSI CONCRETE 'CRACKED OR UNCRACKED'	6 3/8"	
D	1/2"	"ASTM A325 OR SAE GR. 5 THREADED BOLT WITH NUT & WASHER OR DRILL & TAP, OR ELCO TAP-FLEX GR. 5 SELF TAPPING BOLT"	MIN. 1/4" THICK, A36 STEEL	1 1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT
E	1/2"	SIMPSON TITEN HD	MIN. 4000 PSI CONCRETE 'UNCRACKED'	3 5/8"	4"
F	1/2"	HILTI KWIK BOLT3	MIN. 4000 PSI CONCRETE 'UNCRACKED'	4"	3 1/4"
G	1/2"	SELF-TAPPING OR THREADED BOLT, MIN. SAE GR. 5 OR ASTM A325	MIN. 3/16" THICK A36 STEEL	1 1/4"	- FOR SELF-TAPPING OR DRILL & TAPPED HOLES, MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE. - FOR STANDARD DRILLED HOLES, PENETRATION TO BE SUFFICIENT TO MAINTAIN FULL ENGAGEMENT WITH NUT & WASHER
H	3/8"	SIMPSON TITEN HD	MIN. 4000 PSI CONCRETE 'CRACKED OR UNCRACKED'	3 5/8"	3 1/4"
I	3/8"	HILTI KWIK BOLT3	MIN. 4000 PSI CONCRETE 'UNCRACKED'	4"	2 5/16"
J	5/16"	ELCO DRIL-FLEX OR HILTI KWIK-FLEX SELF-DRILLING	MIN. 16 GAUGE STEEL, MIN. Fy = 33KSI	3/4"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE
K	#14	ELCO CRETE FLEX SS4	MIN. 3500 PSI CONCRETE 'UNCRACKED'	1 3/4"	1 3/4"
L	1/4"	HILTI KWIK-CONII+	MIN. 2000 PSI CONCRETE 'UNCRACKED'	1 3/4"	1 3/4"
M	M12	HALFEN TEE-BOLT GR. 8.8 FOR USE WITH HT3512 & HT6112 HALFEN CAST IN CHANNELS	MIN. 4000 PSI CONCRETE 'CRACKED OR UNCRACKED'	3"	PER HALFEN'S SPECIFICATIONS HT3512 = 3 1/8" HT6112 = 6 3/8"
N	3/8"	Power Wedge Bolt +	MIN 3000 PSI CONCRETE	3 1/4'	2 1/8"
O	#14	WOOD SCREW	WOOD (MIN SG. = 0.55)	1"	1 1/4"
	1/4"	GR 5 SM SCREW			
	1/4"	ELCO ULTRA -CON			

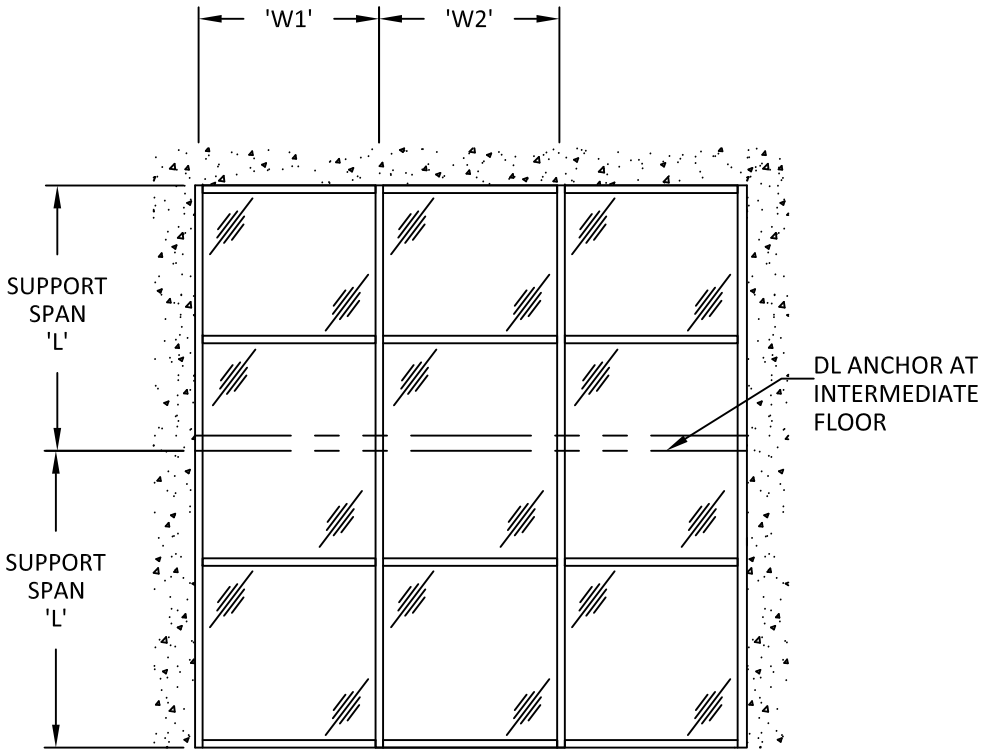
MULLION SPACING OR BAY WIDTH, 'W', FOR T-ANCHORS	$W = \frac{W1 + W2}{2}$
MULLION SPACING OR BAY WIDTH, 'W', FOR F-ANCHORS AT JAMBS	W = W1
MULLION SPACING OR BAY WIDTH, 'W', FOR F-ANCHORS AT VERTICAL MULL WITH DOORS	*W = $\frac{W1 + W2}{2}$

*REFER TO SECTION 2 FOR ILLUSTRATION OF
DETERMINING MAX. TRIBUTARY WIDTH

- NOTE:
- ANCHORS SHALL BE INSTALLED IN
ACCORDANCE WITH ANCHOR
MANUFACTURER'S INSTALLATION
INSTRUCTIONS.
 - REFER TO ANCHOR LAYOUTS AT RIGHT FOR
LOCATIONS AND DETERMINING MAX.
LENGTHS (L) AND TRIBUTARY WIDTHS (W).
 - FOR SITE CONDITIONS NOT SHOWN IN THE
DETAILS HEREIN OR EDGE DISTANCE
REQUIREMENTS TO BE MODIFIED, ANCHORS
MAY BE ENGINEERED ON A SITE SPECIFIC
BASIS.
 - REFER TO SECTION 8 DETAILS FOR ANCHOR
CONFIGURATIONS.
 - REFER TO SECTION 7 DETAILS FOR T, F, & S
ANCHOR TYPE CAPACITIES.
 - FOR ANCHOR TYPE 'M', FINAL SELECTION OF
HALFEN CAST IN CHANNEL & T-BOLTS SHALL
BE VERIFIED BY HALFEN USA IN ACCORDANCE
WITH SITE SPECIFIC LOADS PRIOR TO
INSTALLATION.



SINGLE SPAN ANCHOR LAYOUT



MULTI SPAN ANCHOR LAYOUT - TYP.



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

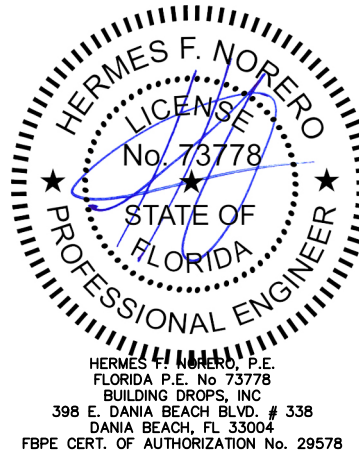
TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
ANCHOR DETAILS

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



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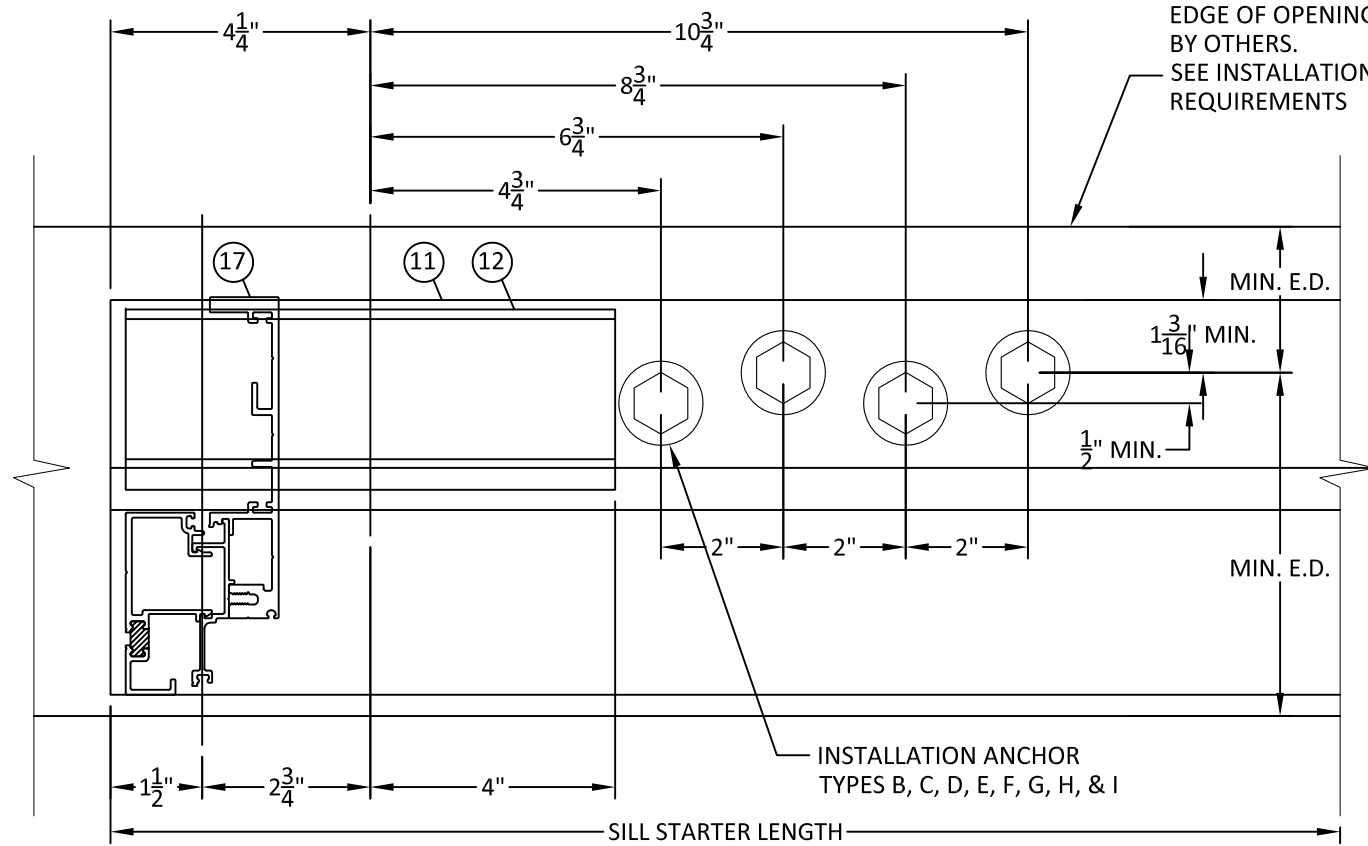
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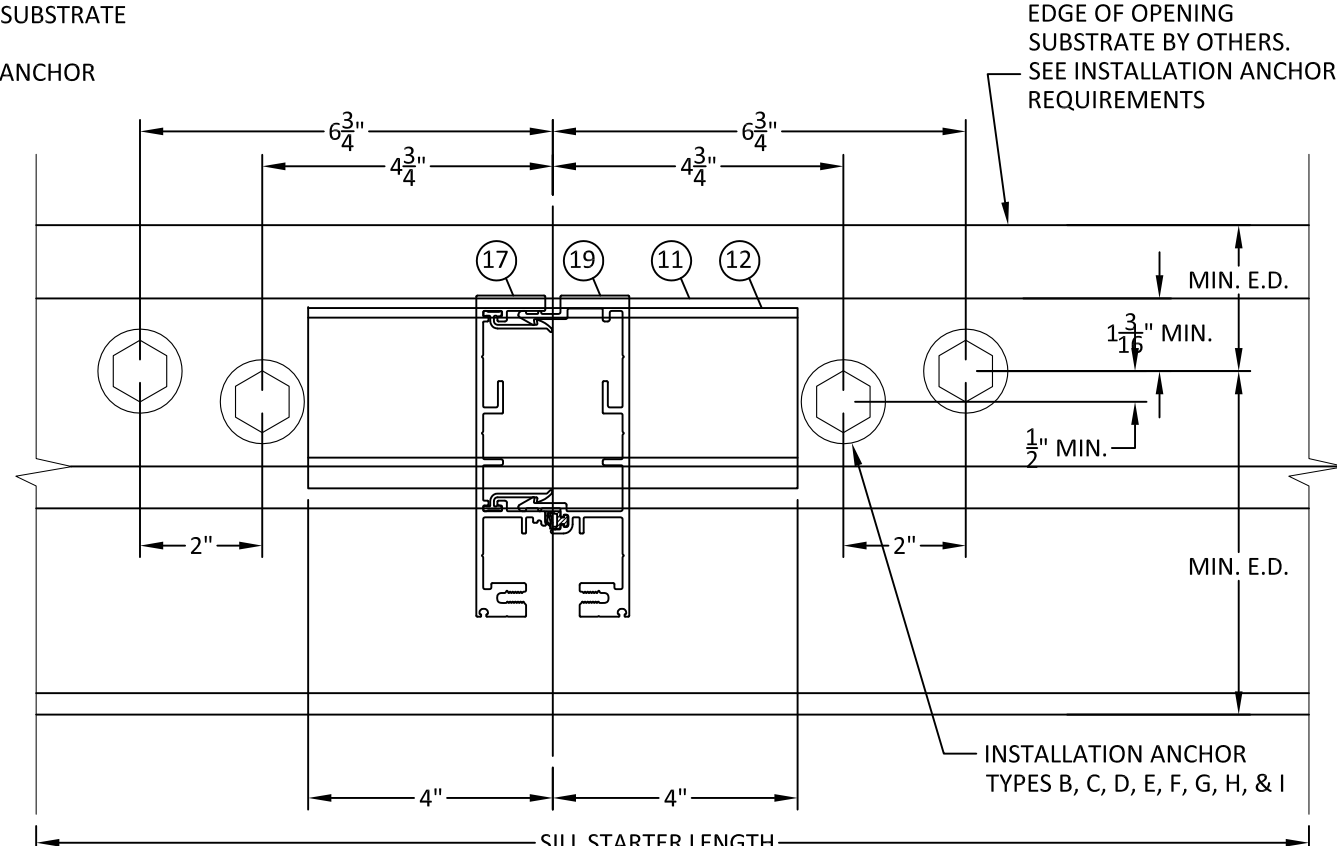
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DATE:		1.16.18	
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RV		HFN	
SCALE:		NTS	
DWG. #:		YKK256	
SECTION:		7.0	
[Sheet 14 of 34]			

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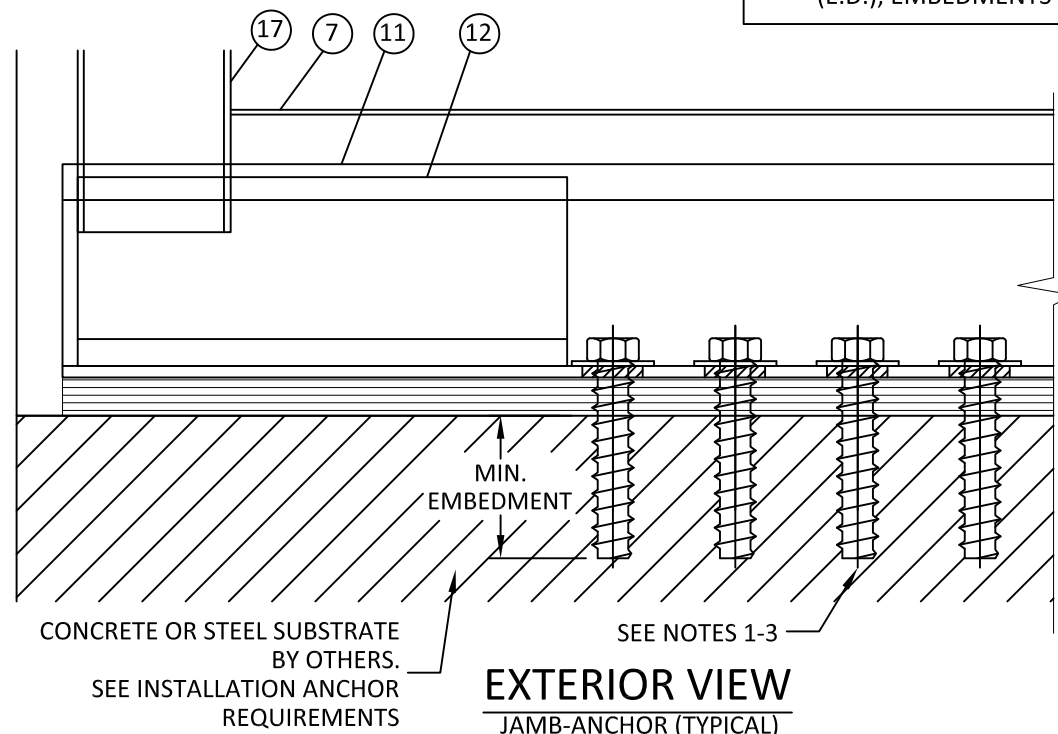


1
7.1 **HORIZONTAL SECTION**
SILL STARTER AT JAMB
CONFIG 1

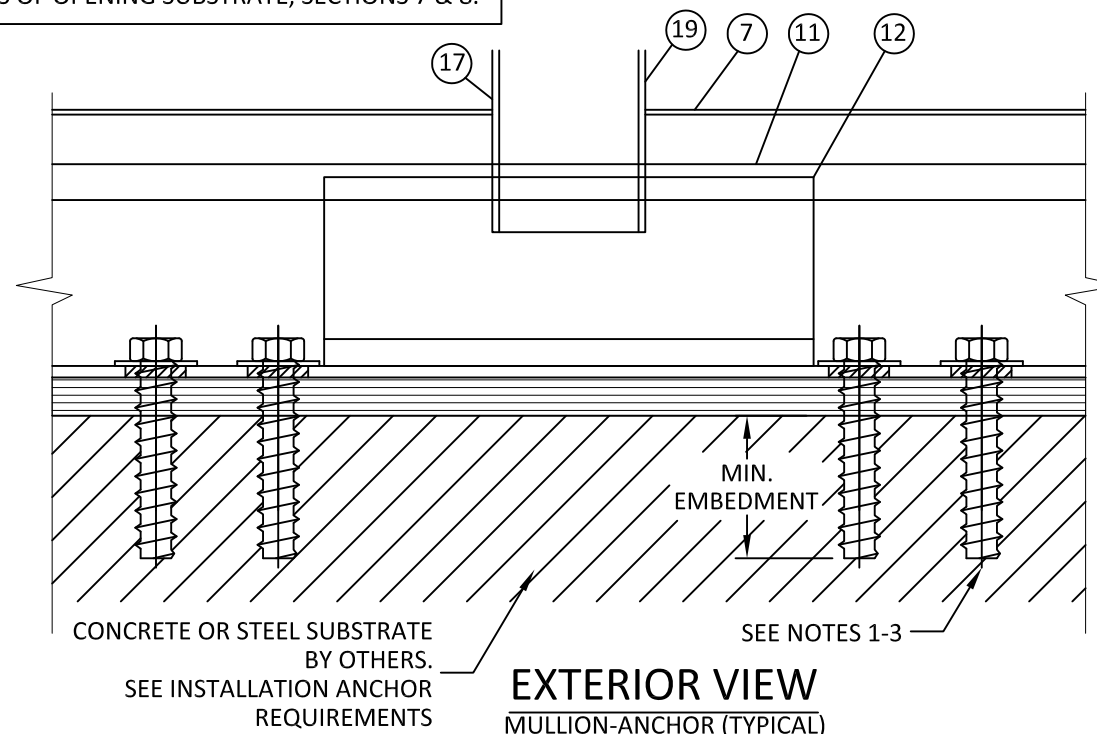


2
7.1 **HORIZONTAL SECTION**
SILL STATER AT MULLION
CONFIG 1

- NOTE:
1. ANCHORS SHOWN HEREIN ARE FOR ILLUSTRATION PURPOSES ONLY. ACTUAL ANCHOR IDENTIFICATION SHALL BE PER ANCHOR MANUFACTURERS INSTALLATION INSTRUCTIONS
 2. ANCHOR BOLT EXTENSIONS MAY BE CLIPPED TO T.O. HEX NUT AND SHEAR BLOCKS MAY BE NOTCHED TO ALLOW FOR ANCHOR CLEARANCE.
 3. REFER TO INSTALLATION ANCHOR REQUIREMENTS FOR MINIMUM EDGE DISTANCES (E.D.), EMBEDMENTS (EMBED), & PROPERTIES OF OPENING SUBSTRATE, SECTIONS 7 & 8.



EXTERIOR VIEW
JAMB-ANCHOR (TYPICAL)



EXTERIOR VIEW
MULLION-ANCHOR (TYPICAL)



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

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM

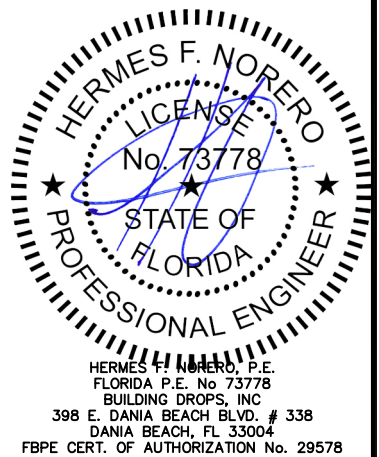
ANCHOR DETAILS

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



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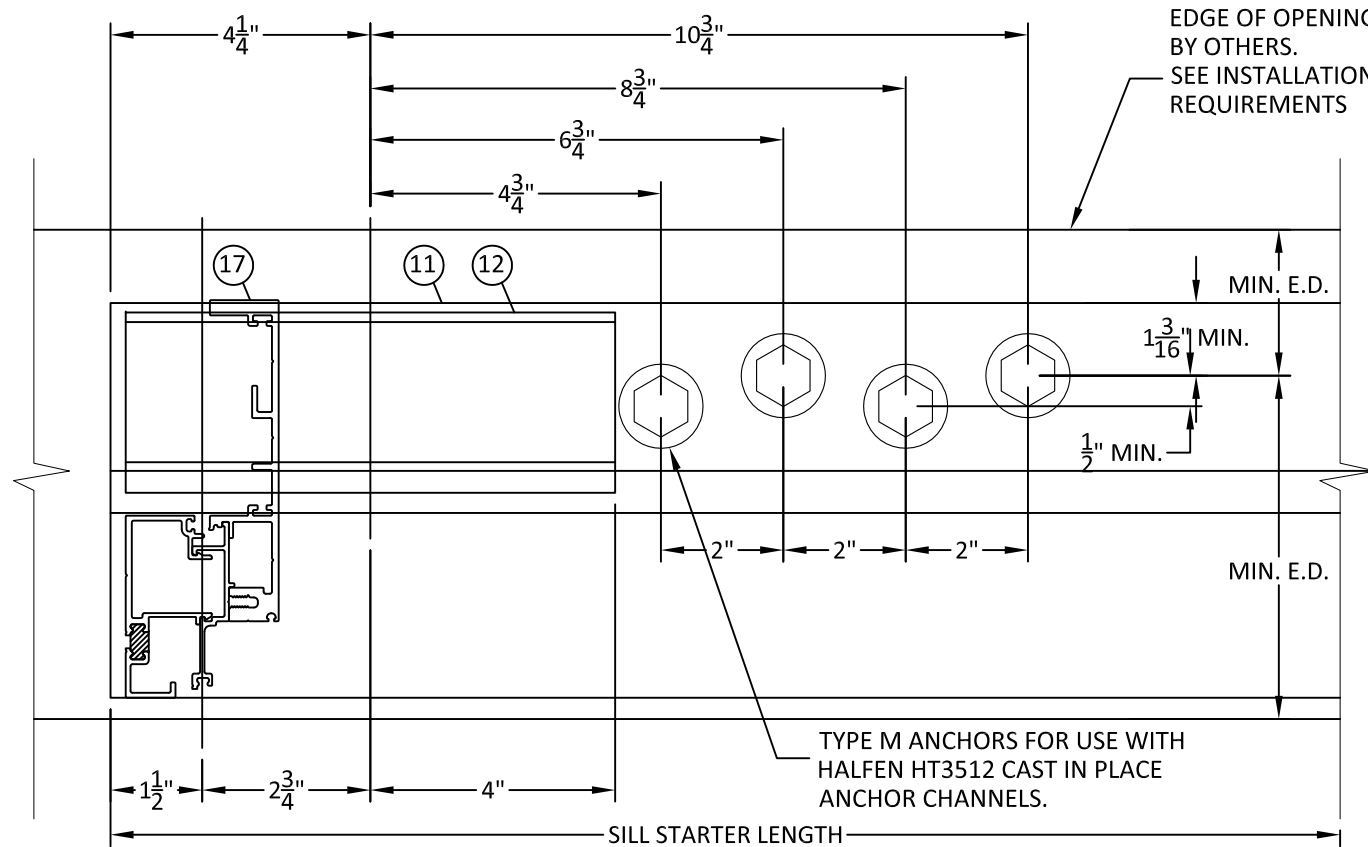
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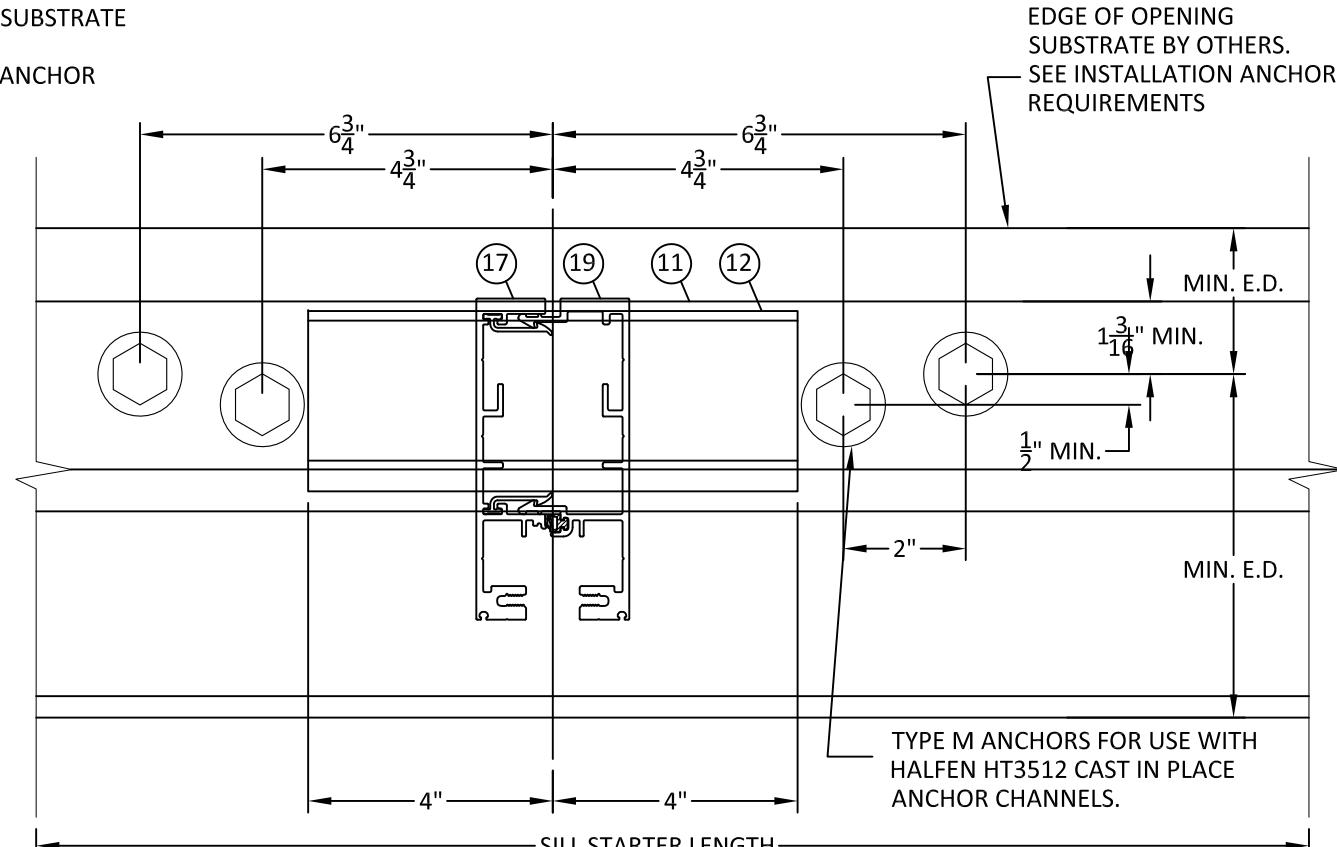
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SCALE:	NTS
DWG. #:	YKK256
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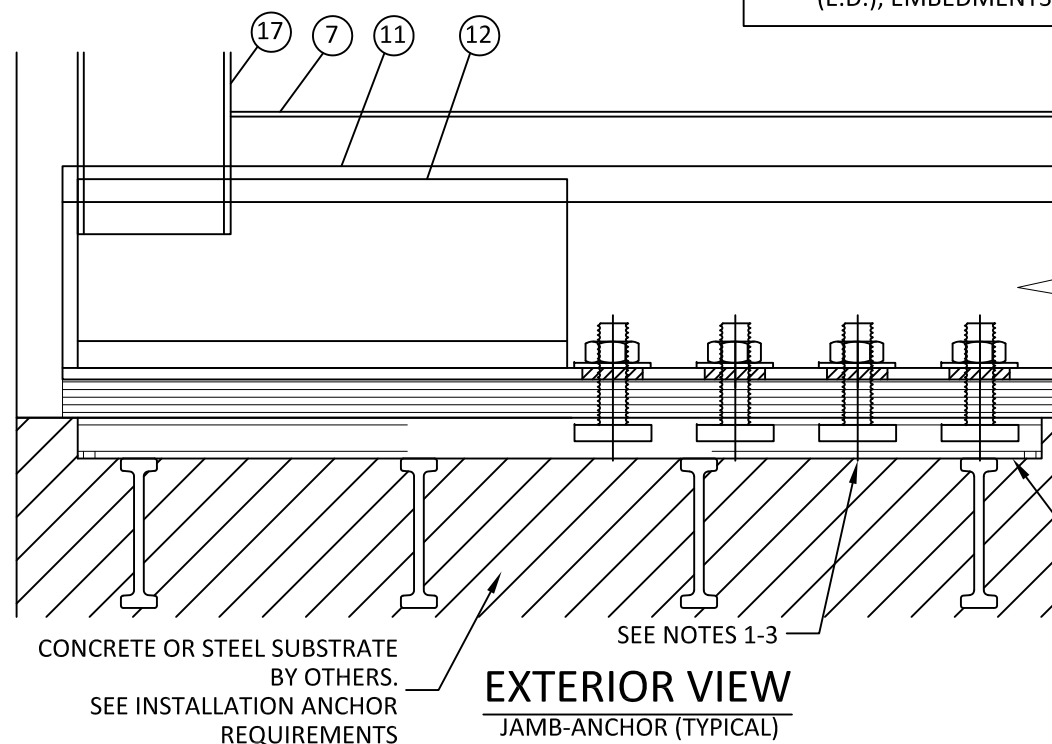
3
7.2 **HORIZONTAL SECTION**
SILL STARTER AT JAMB
CONFIG 1



4
7.2 **HORIZONTAL SECTION**
SILL STATER AT MULLION
CONFIG 1

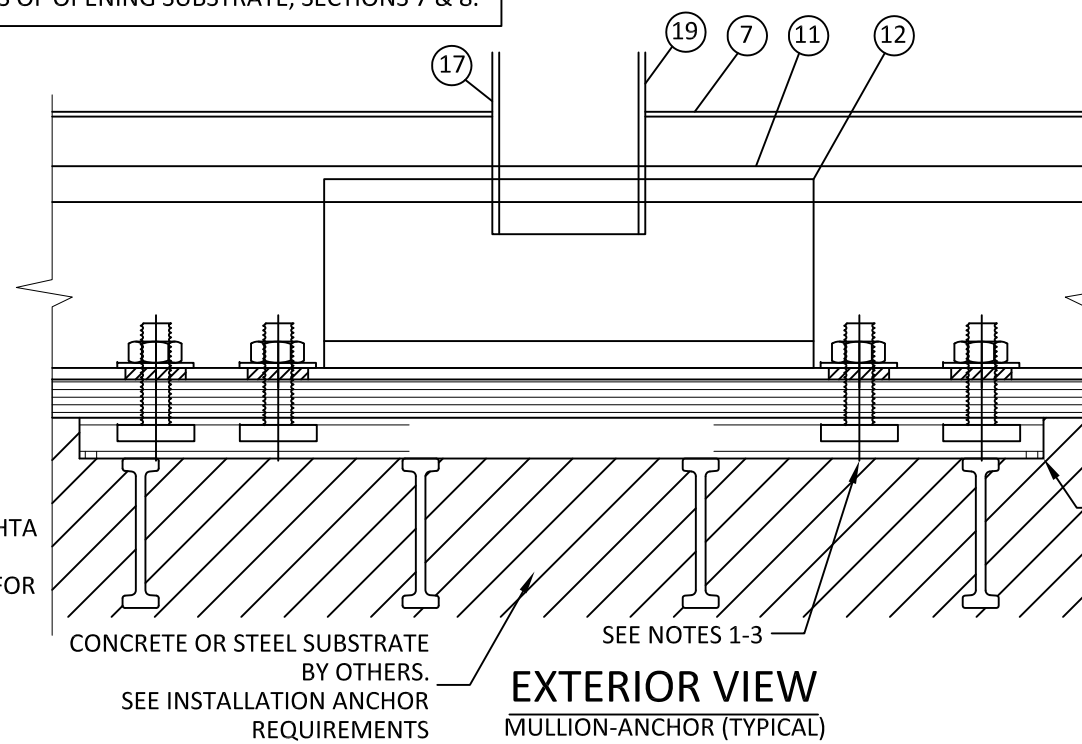
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2. ANCHOR BOLT EXTENSIONS MAY BE CLIPPED TO T.O. HEX NUT AND SHEAR BLOCKS MAY BE NOTCHED TO ALLOW FOR ANCHOR CLEARANCE.
3. REFER TO INSTALLATION ANCHOR REQUIREMENTS FOR MINIMUM EDGE DISTANCES (E.D.), EMBEDMENTS (EMBED), & PROPERTIES OF OPENING SUBSTRATE, SECTIONS 7 & 8.



EXTERIOR VIEW
JAMB-ANCHOR (TYPICAL)

HALFEN USA 3817 HTA
SERIES ANCHOR
CHANNEL HT3512 FOR
USE AT JAMBS



EXTERIOR VIEW
MULLION-ANCHOR (TYPICAL)

HALFEN USA 5234 HTA
SERIES ANCHOR
CHANNEL HT 6112 FOR
USE AT MULLIONS



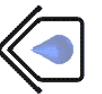
YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM

ANCHOR DETAILS

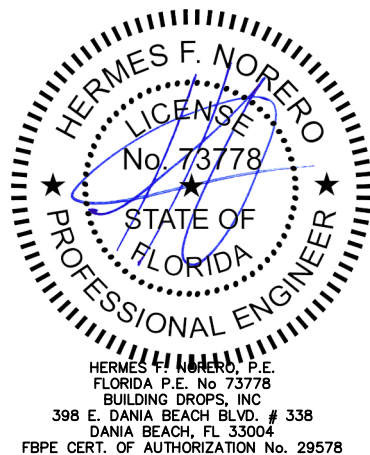
PREPARED BY:
BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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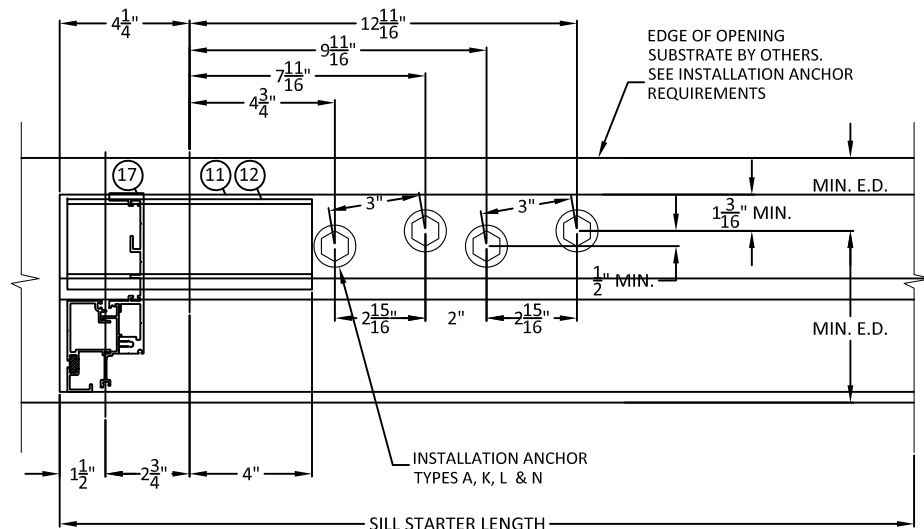
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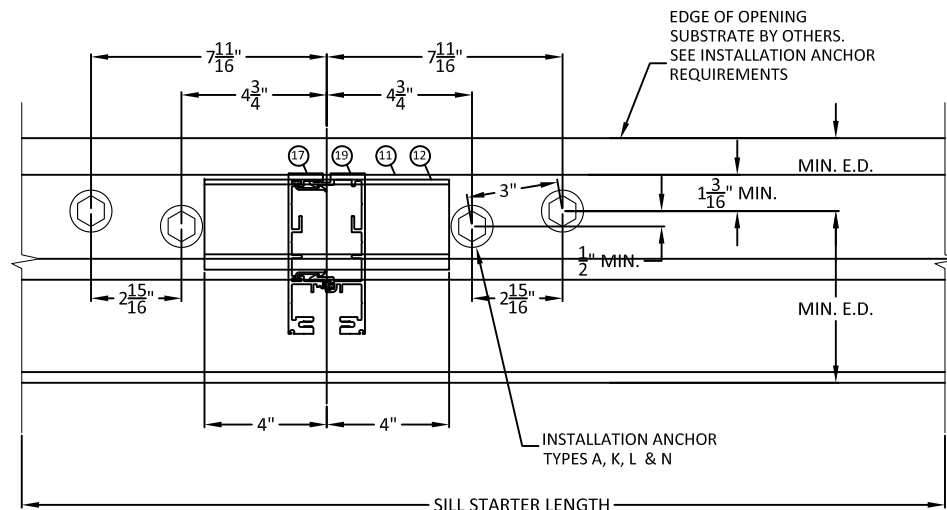
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SCALE:	NTS
DWG. #:	YKK256
SECTION:	7.2 [Sheet 16 of 34]

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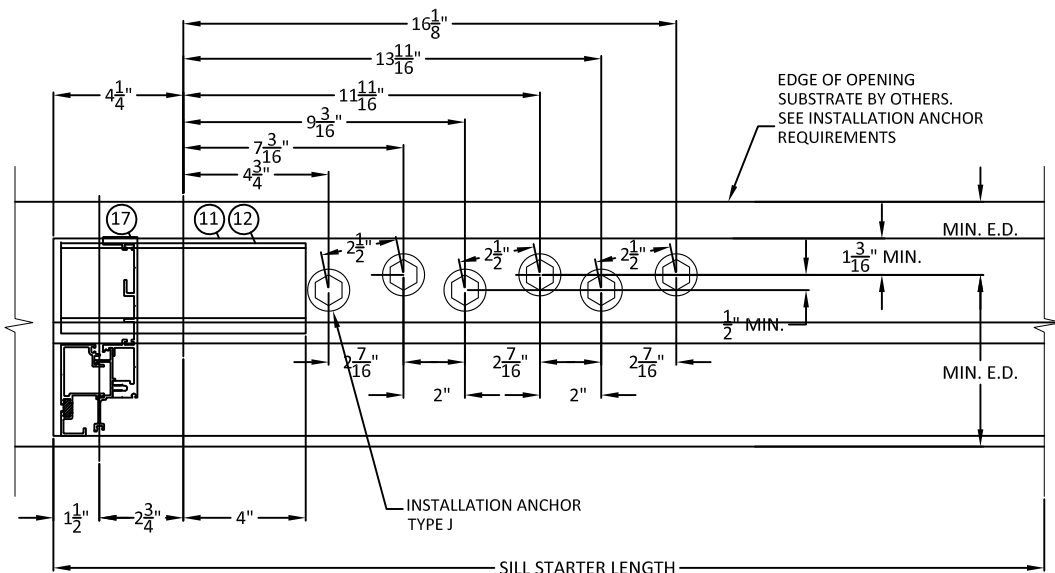
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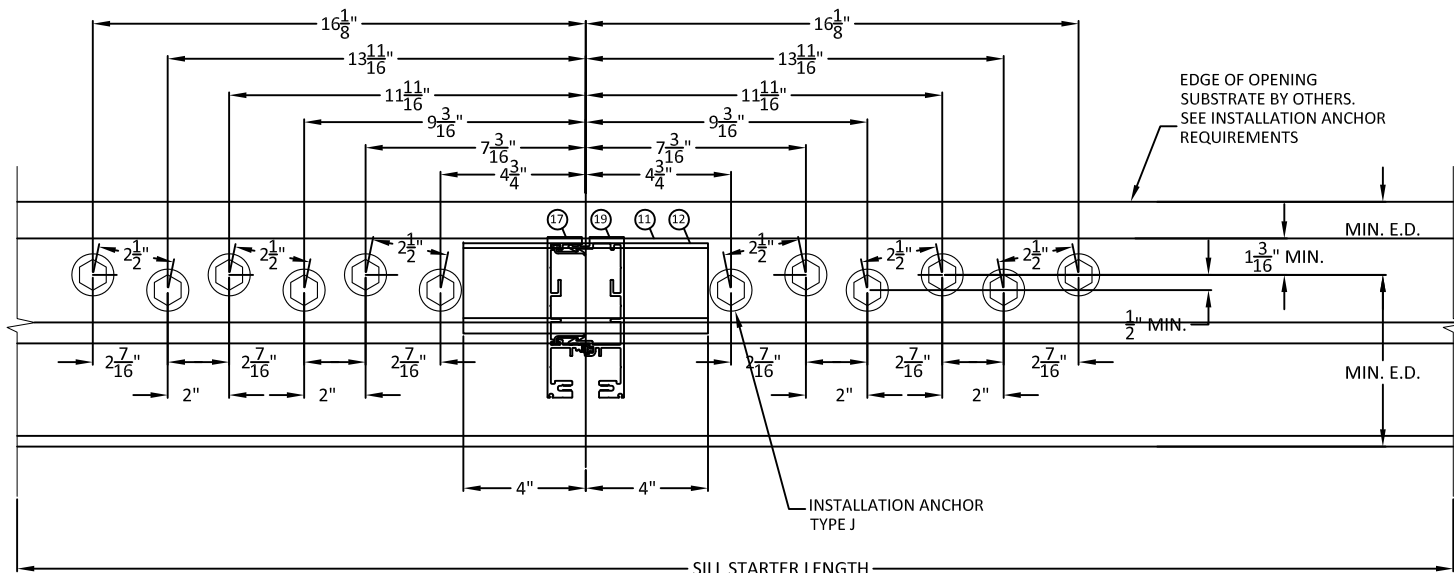
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7.3 HORIZONTAL SECTION
SILL STARTER AT JAMB
CONFIG 2



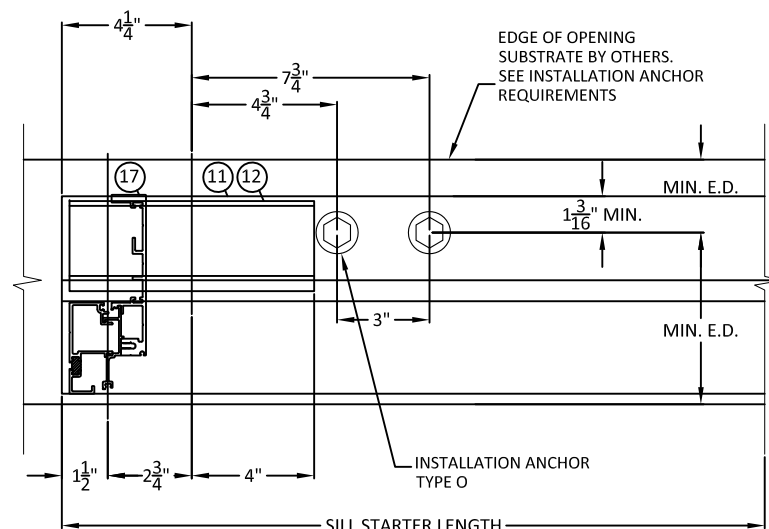
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7.3 HORIZONTAL SECTION
SILL STATER AT MULLION
CONFIG 2



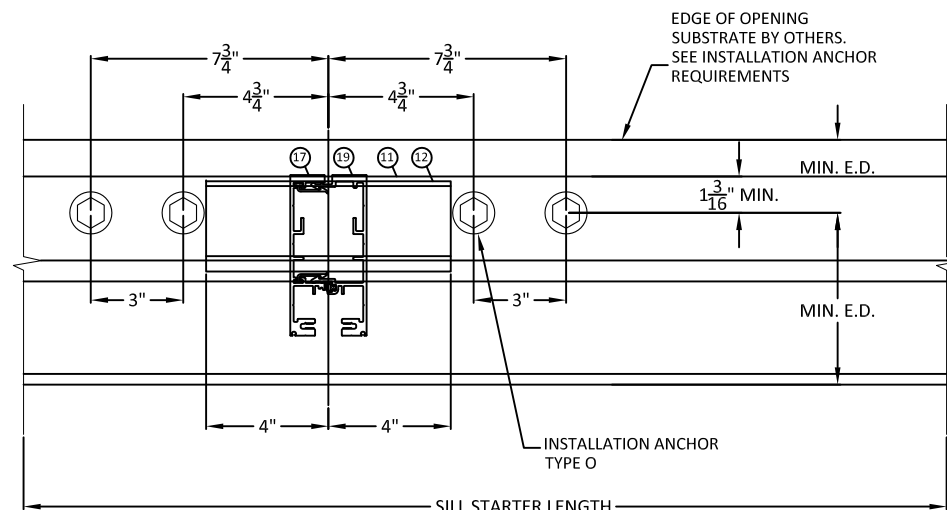
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7.3 HORIZONTAL SECTION
SILL STARTER AT JAMB
CONFIG 2



8
7.3 HORIZONTAL SECTION
SILL STATER AT MULLION
CONFIG 2



9
7.3 HORIZONTAL SECTION
SILL STARTER AT JAMB
CONFIG 2



20
7.3 HORIZONTAL SECTION
SILL STATER AT MULLION
CONFIG 2



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

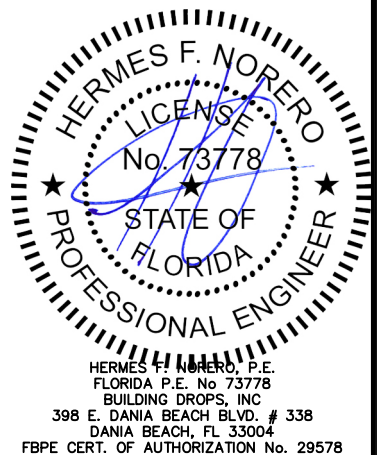
TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
ANCHOR DETAILS

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



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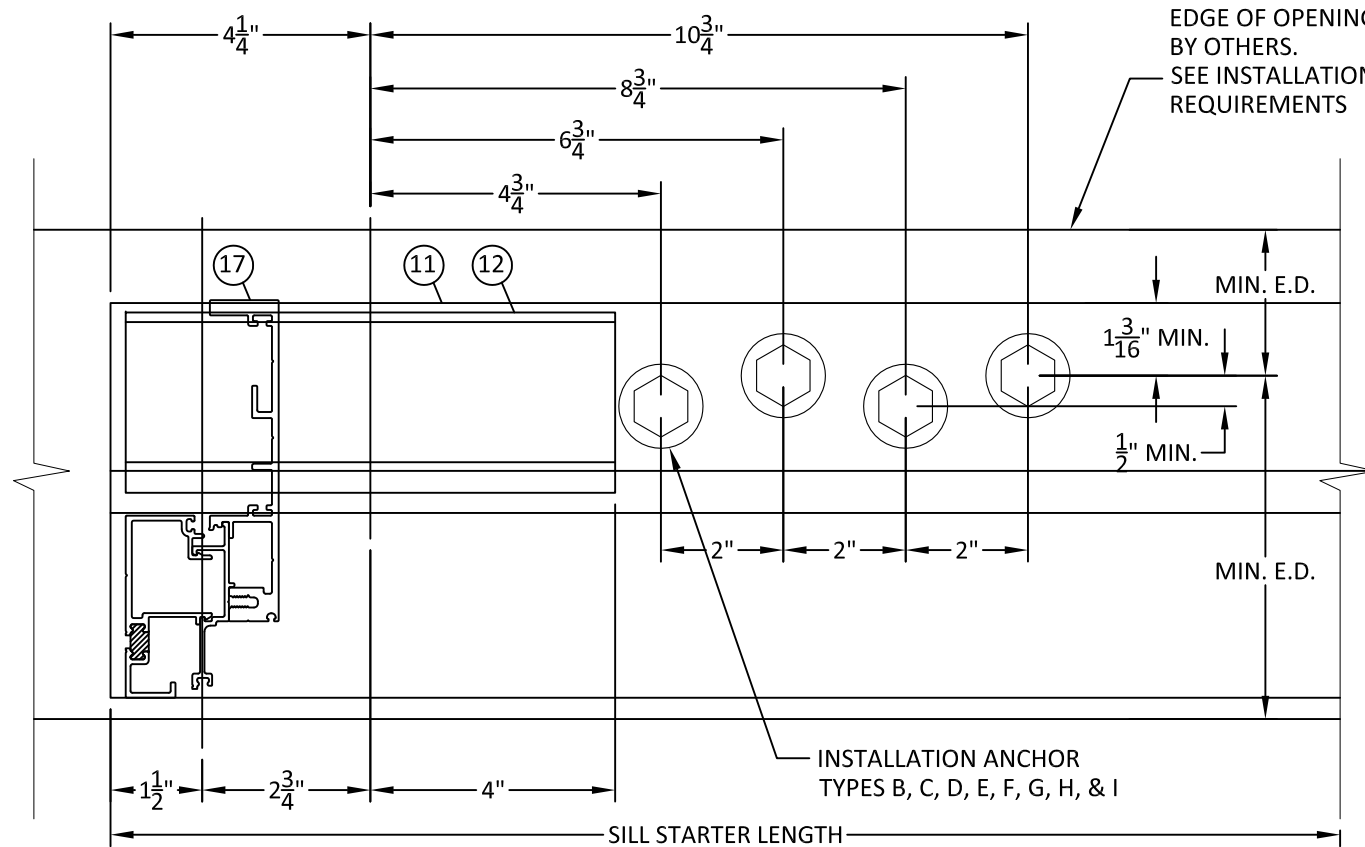


FL #:	FL26082
DATE:	1.16.18
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK256
SECTION:	7.3

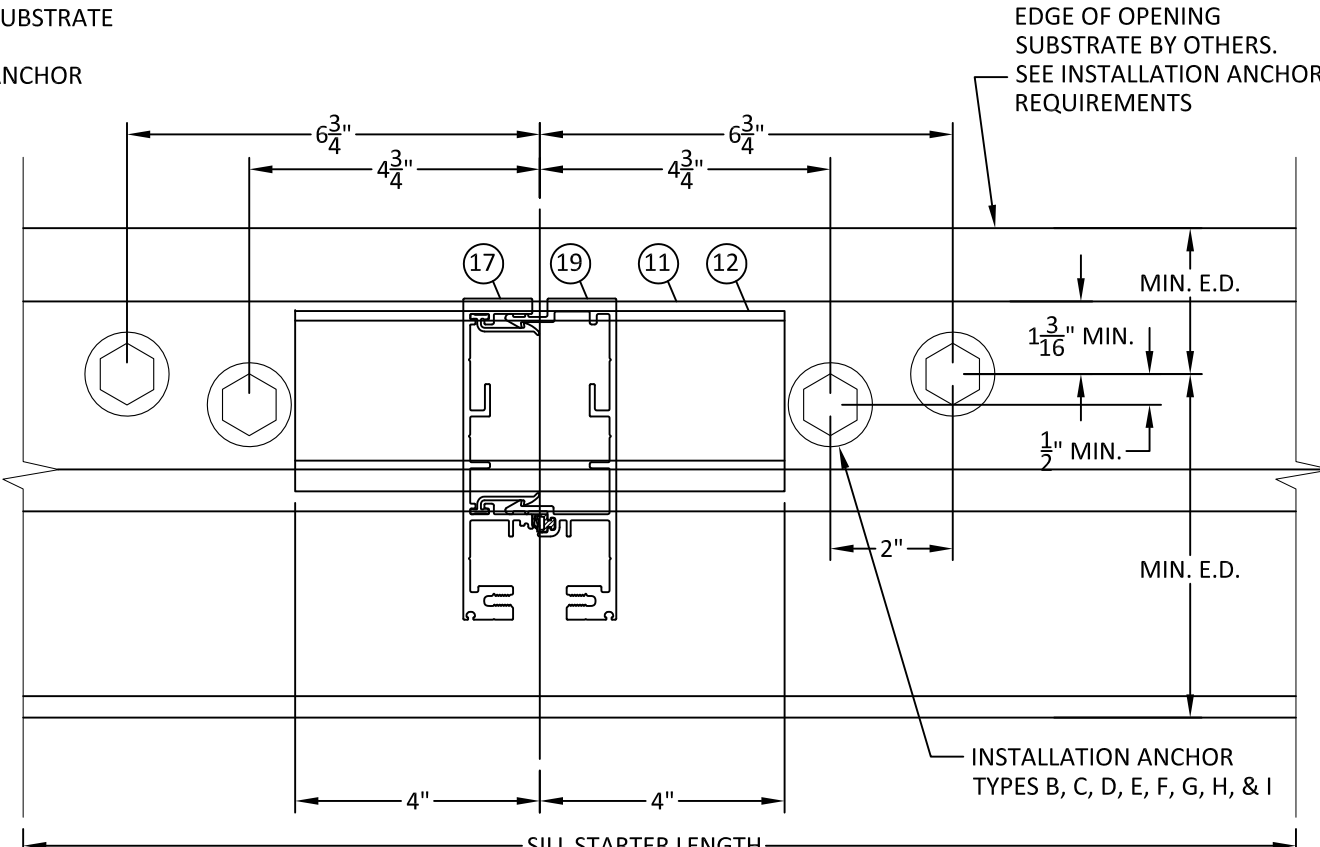
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[Sheet 17 of 34]

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s:\projects\ykk ap america, inc\fbc-18-0106 ykk ap america - fbc submittal - yuw 750 tu curtain wall system\dwgs\ykk 256 - fl dwgs 7 - anchor dtls.dwg

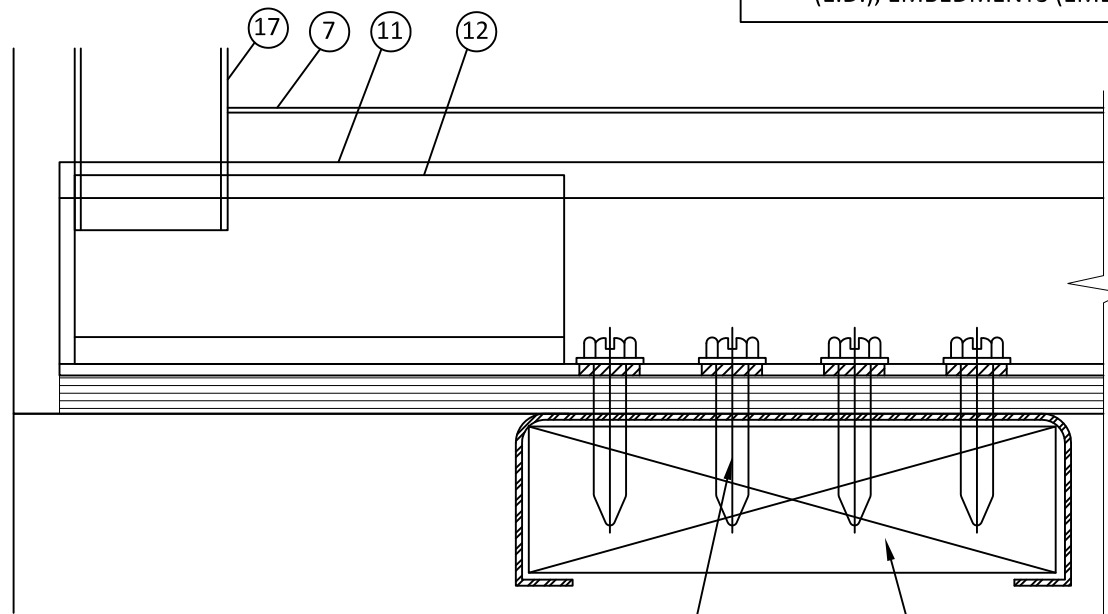


11 HORIZONTAL SECTION
7.4 SILL STARTER AT JAMB
CONFIG 1

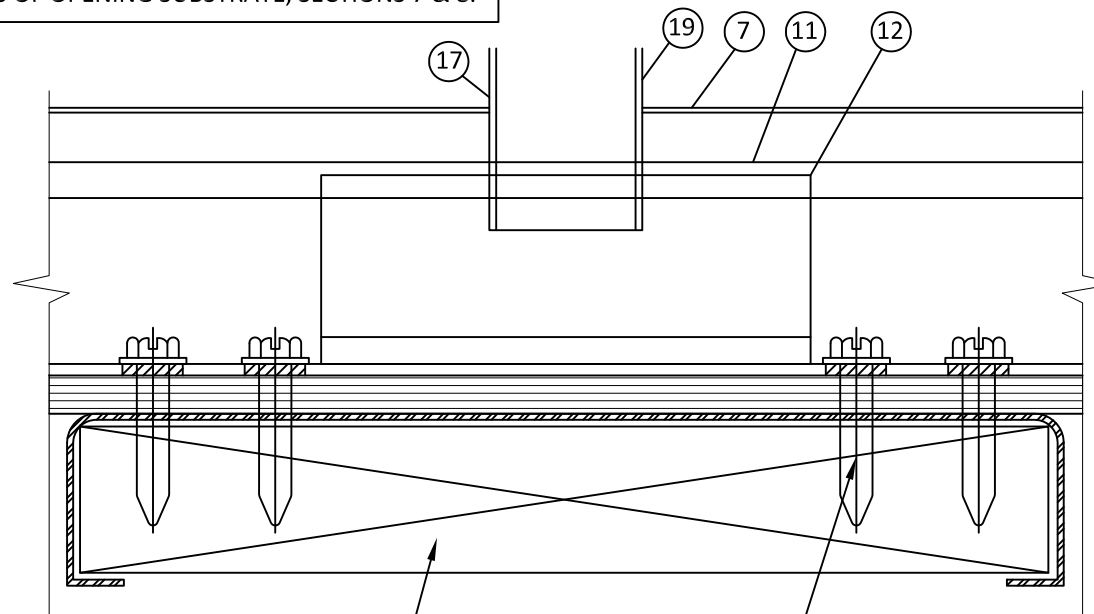


12 HORIZONTAL SECTION
7.4 SILL STATER AT MULLION
CONFIG 1

NOTE:
1. ANCHORS SHOWN HEREIN ARE FOR ILLUSTRATION PURPOSES ONLY. ACTUAL ANCHOR IDENTIFICATION SHALL BE PER ANCHOR MANUFACTURERS INSTALLATION INSTRUCTIONS
2. ANCHOR BOLT EXTENSIONS MAY BE CLIPPED TO T.O. HEX NUT AND SHEAR BLOCKS MAY BE NOTCHED TO ALLOW FOR ANCHOR CLEARANCE.
3. REFER TO INSTALLATION ANCHOR REQUIREMENTS FOR MINIMUM EDGE DISTANCES (E.D.), EMBEDMENTS (EMBED), & PROPERTIES OF OPENING SUBSTRATE, SECTIONS 7 & 8.



SEE NOTES 1-3
EXTERIOR VIEW
JAMB-ANCHOR (TYPICAL)



SEE NOTES 1-3
EXTERIOR VIEW
MULLION-ANCHOR (TYPICAL)



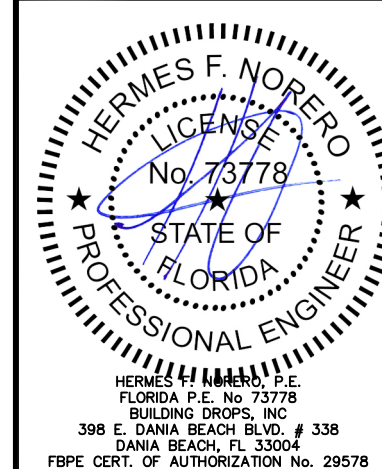
YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
ANCHOR DETAILS

PREPARED BY:
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DANIA BEACH, FL 33004
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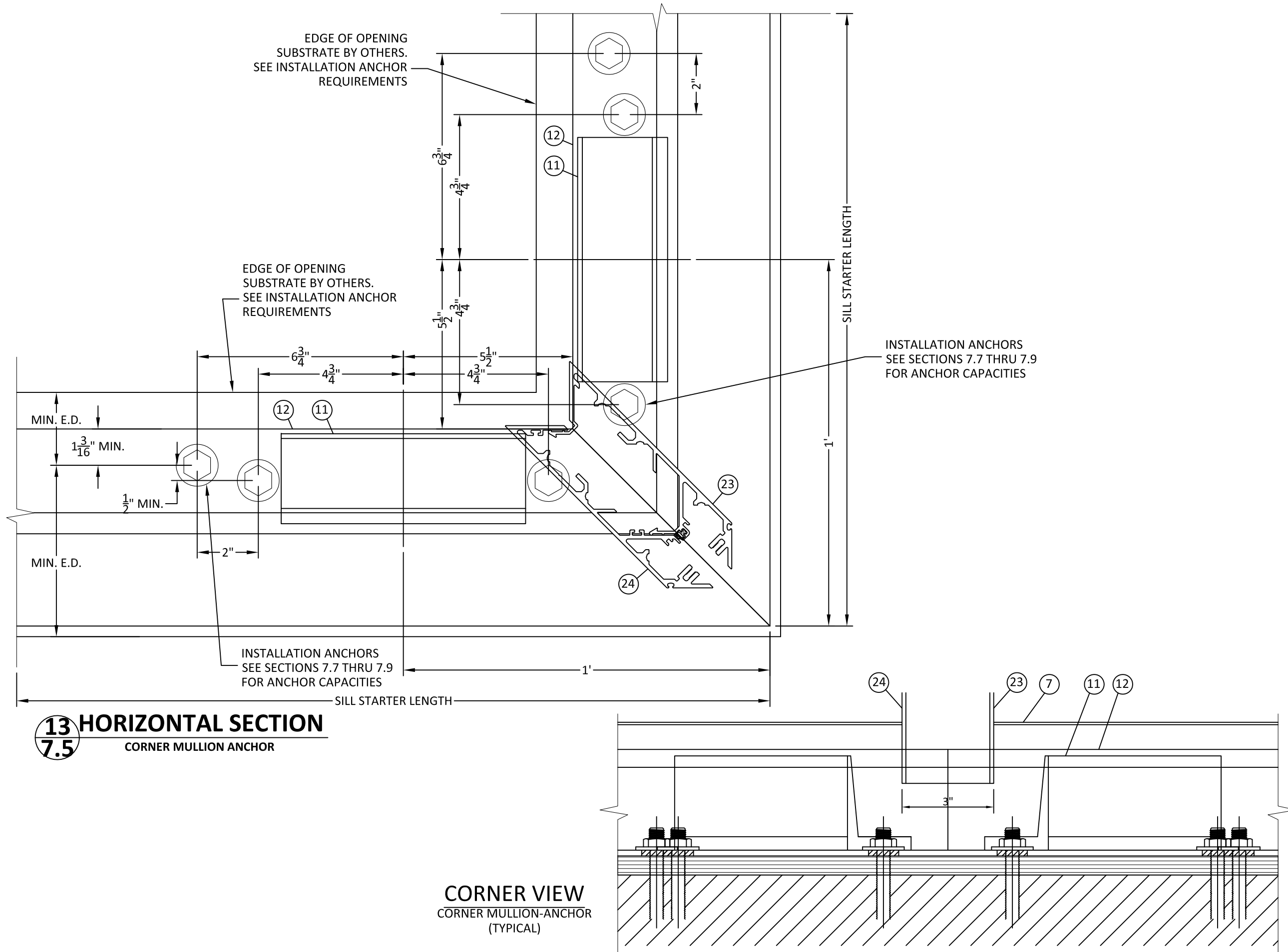
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SCALE:	NTS
DWG. #:	YKK256
SECTION:	7.4 [Sheet 18 of 34]

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

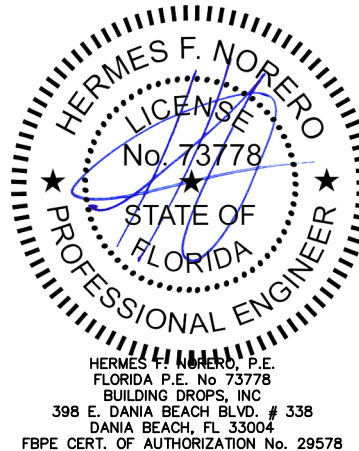
TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
ANCHOR DETAILS

PREPARED BY:
BUILDING DROPS, INC.
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DATE:	1.16.18
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DWG. #:	YKK256
SECTION:	7.5

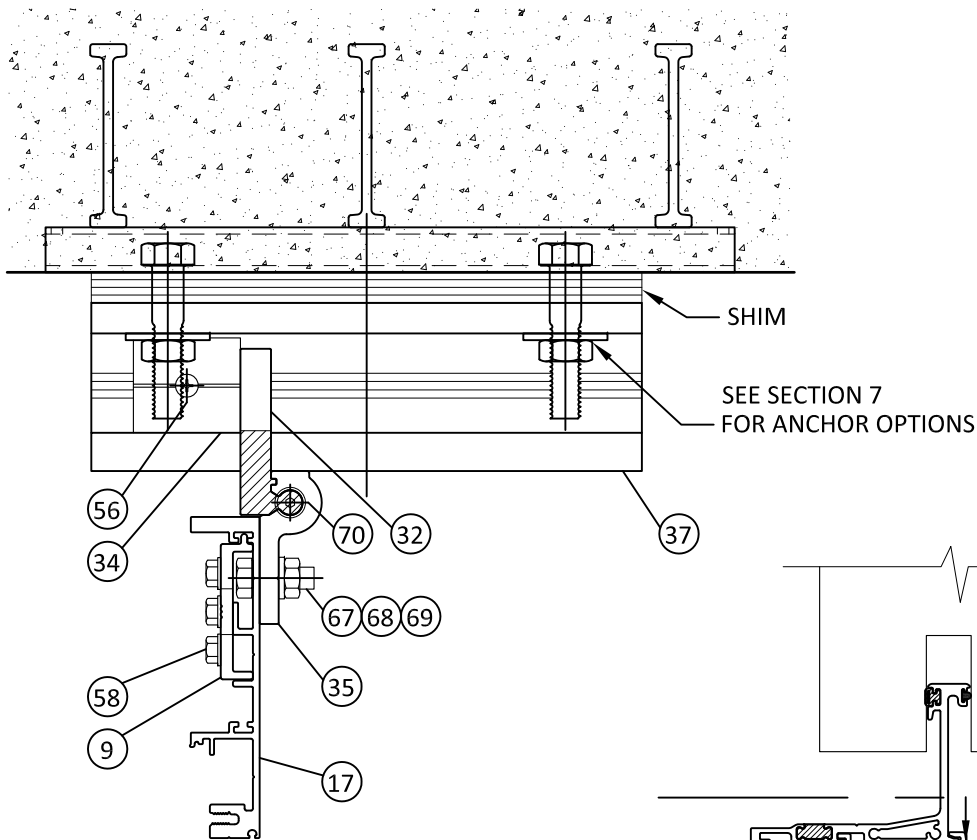
ANCHOR CAPACITIES
SILL-CONDITION AT JAMB

MAX. ANCHOR CAPACITY FOR SINGLE SPAN - DESIGN PRESSURES (+/- PSF)																
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
36.0	78.0	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
42.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
48.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
54.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
60.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
66.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
72.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
36.0	84.0	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
42.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
48.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
54.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
60.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
66.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
72.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
36.0	90.0	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
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48.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
54.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
60.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
66.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
72.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
36.0	96.0	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
42.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
48.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
54.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
60.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
66.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
72.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
36.0	102.0	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
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54.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
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60.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
66.0		43	45	45	45	45	45	45	45	45	43	43	45	43	43	43
72.0		39	45	45	45	45	45	45	45	45	39	39	45	39	39	39

MAX. ANCHOR CAPACITY FOR SINGLE SPAN - DESIGN PRESSURES (+/- PSF)																
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
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48.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
54.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
60.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
66.0		41	45	45	45	45	45	45	45	45	45	45	41	41	45	41
72.0	126.0	38	45	45	45	45	45	45	45	45	45	38	38	45	38	38
36.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
42.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
48.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
54.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
60.0		43	45	45	45	45	45	45	45	45	45	45	43	43	45	43
66.0	132.0	39	45	45	45	45	45	45	45	45	45	39	39	45	39	39
72.0		36	45	45	45	45	45	45	43	45	45	36	36	45	36	36
36.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
42.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
48.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
54.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
60.0	138.0	41	45	45	45	45	45	45	45	45	45	41	41	45	41	41
66.0		37	45	45	45	45	45	45	45	45	45	37	37	45	37	37
72.0		34	45	43	45	45	45	45	41	45	45	34	34	45	34	34
36.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
42.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
48.0		45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
54.0	144.0	43	45	45	45	45	45	45	45	45	45	43	43	45	43	43
60.0		39	45	45	45	45	45	45	45	45	45	39	39	45	39	39
66.0		36	45	44	45	45	45	45	43	45	45	36	36	45	36	36
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54.0		38	45	45	45	45	45	45	45	45	45	38	38	45	38	38
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66.0		31	45	39	45	45	45	45	38	45	45	31	31	45	31	31
72.0		29	45	36	45	45	45	45	35	45	45	29	29	45	29	29
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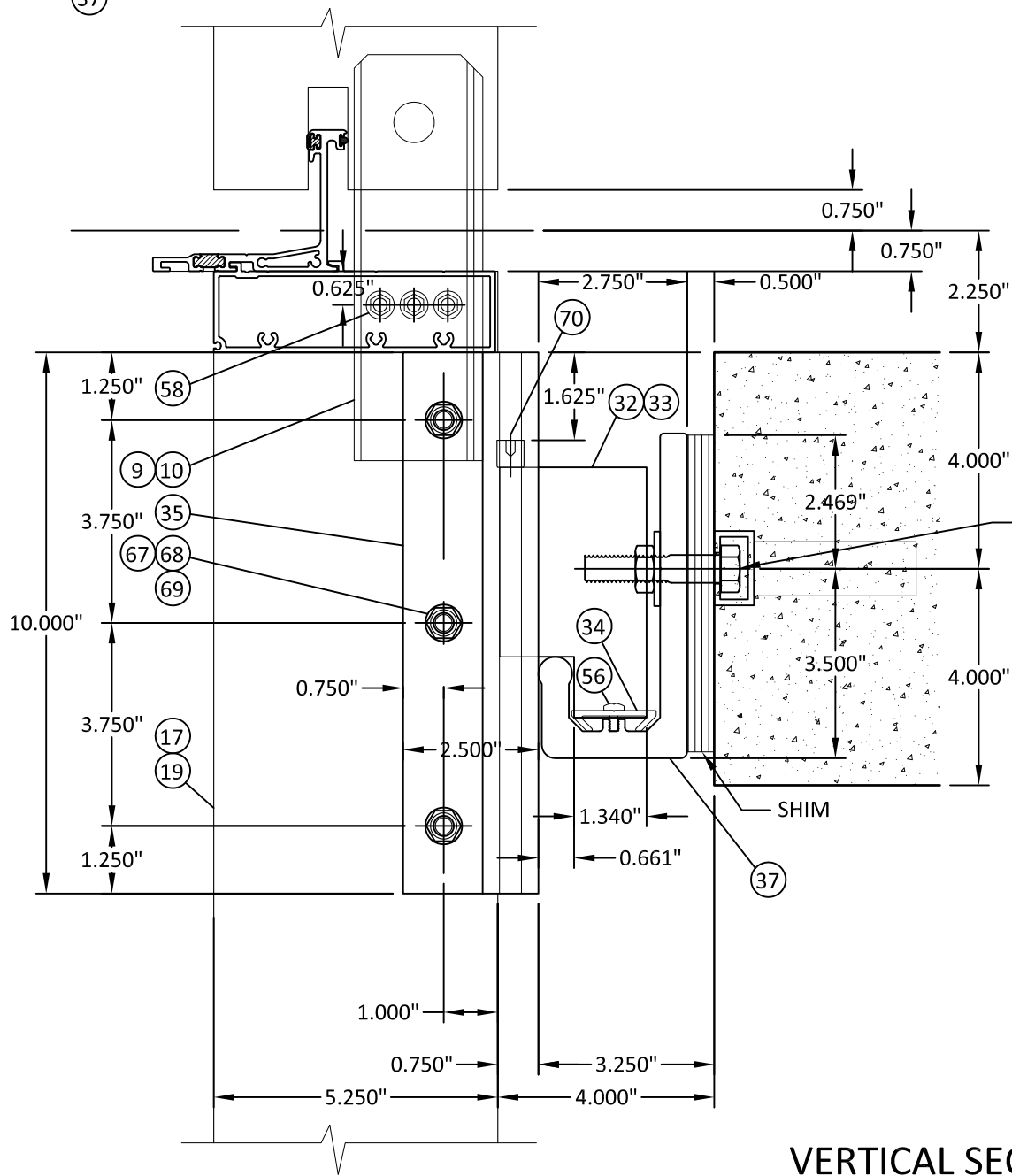
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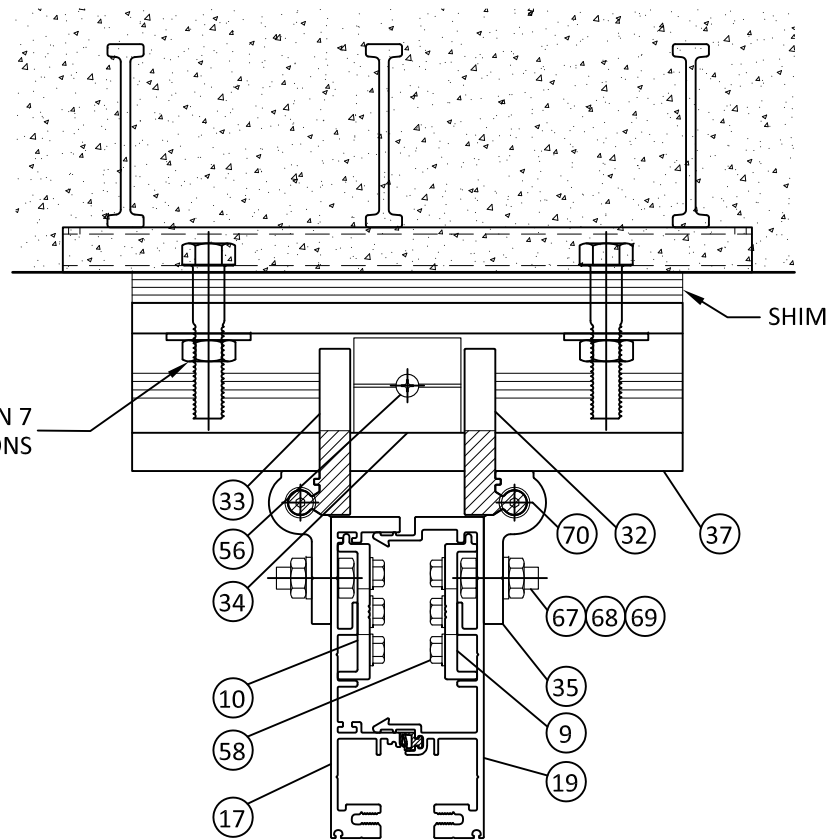


14 HORIZONTAL SECTION
8.0 AT JAMB

ANCHOR CAPACITY		
MAX. SPAN 'L'	MULLION	MAX. DESIGN PRESSURE
162"	Std.	+/- 45 PSF



VERTICAL SECTION
ANCHOR AT CONCRETE SUBSTRATE



15 HORIZONTAL SECTION
8.0 AT VERTICAL MULLION

- ANCHOR NOTES:**
- ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
 - WL + DL = +/- 3481.5 LBS (UNFACTORED)
 - MAX. SPAN = 13'-6"
 - MAX. TRIB WIDTH = 60"
 - ALTERNATE ANCHORS MAY BE DESIGNED FOR ALTERNATE SITE CONDITIONS ON A JOB TO JOB BASIS FOR THE APPLICABLE WIND LOADS AS DETERMINED IN ACCORDANCE WITH CH. 16 OF THE FLORIDA BLDG. CODE BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER.



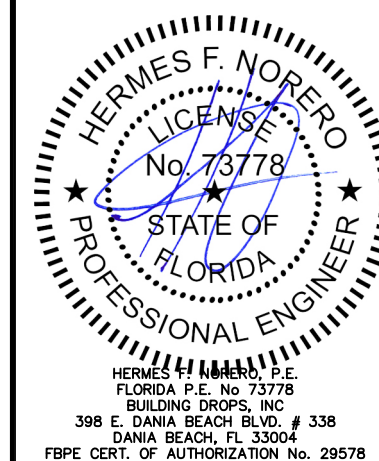
YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
WIND LOAD / DEAD LOAD
ANCHOR DETAILS

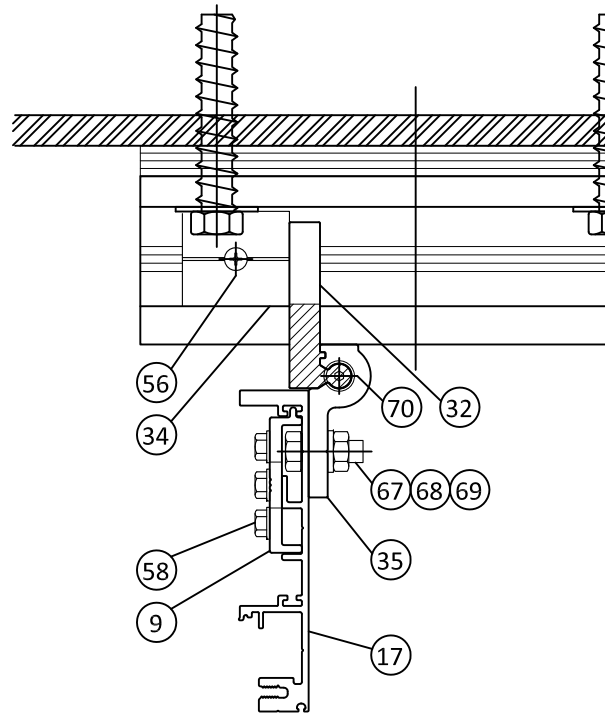
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398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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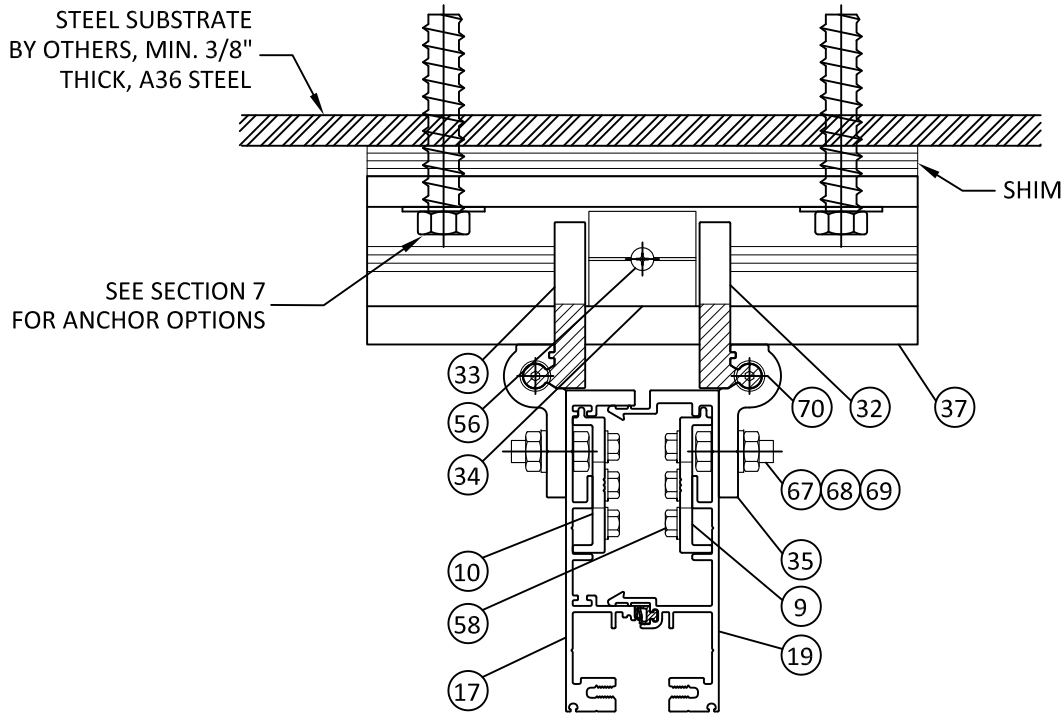
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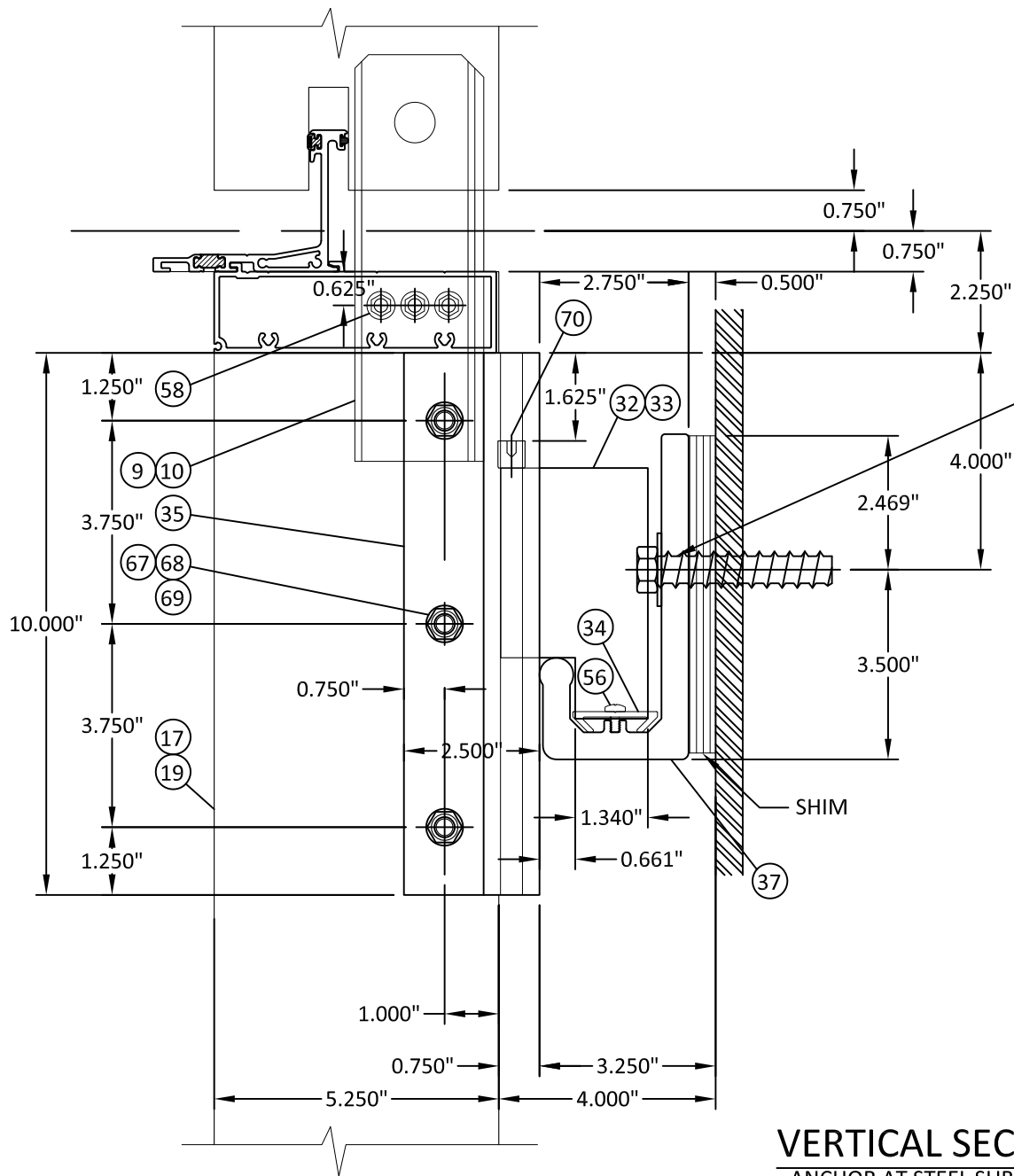
FL #:	FL26082
DATE:	1.16.18
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK256
SECTION:	8.0



16
8.1 HORIZONTAL SECTION
AT JAMB



17
8.1 HORIZONTAL SECTION
AT VERTICAL MULLION



VERTICAL SECTION
ANCHOR AT STEEL SUBSTRATE

ANCHOR CAPACITY		
MAX. SPAN 'L'	MULLION	MAX. DESIGN PRESSURE
162"	Std.	+/- 45 PSF

- ANCHOR NOTES:
- ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
 - WL + DL = +/- 3481.5 LBS (UNFACTORED)
 - MAX. SPAN = 13'-6"
 - MAX. TRIB WIDTH = 60"
 - (2) 1/2" HH GR. 5 OR ASTM A325 THREADED BOLTS
 - MIN. FULL ENGAGEMENT WITH NUT & WASHER OR
 - THREADED INTO TAPPED HOLE W/ MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE
 - MIN. 1 1/2" EDGE DISTANCE.
 - ALTERNATE ANCHORS MAY BE DESIGNED FOR ALTERNATE SITE CONDITIONS ON A JOB TO JOB BASIS FOR THE APPLICABLE WIND LOADS AS DETERMINED IN ACCORDANCE WITH CH. 16 OF THE FLORIDA BLDG. CODE BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER.



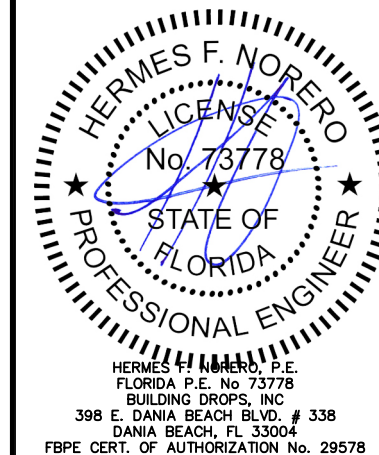
YKK AP America Inc.
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
PH: (478)277-1955 FAX: (678)838-6001

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
WIND LOAD / DEAD LOAD
ANCHOR DETAILS

PREPARED BY:
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FL26082

DATE: **1.16.18**

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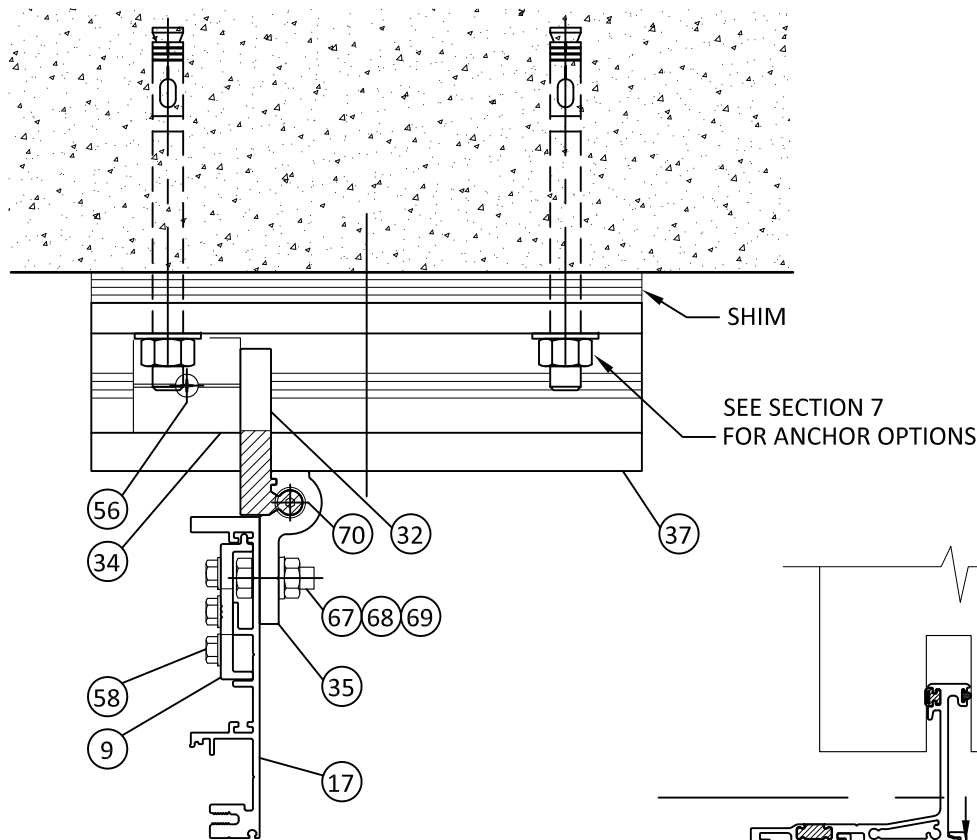
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DWG. #: **YKK256**

SECTION:
8.1
[Sheet 23 of 34]

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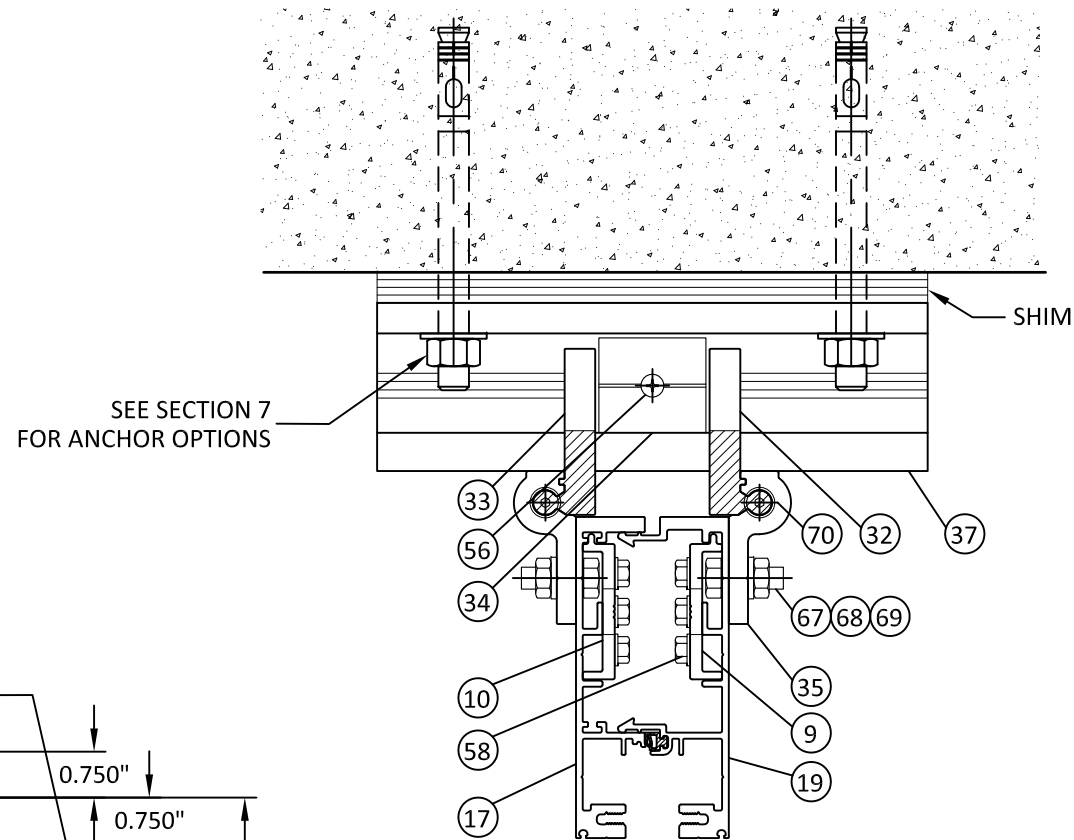
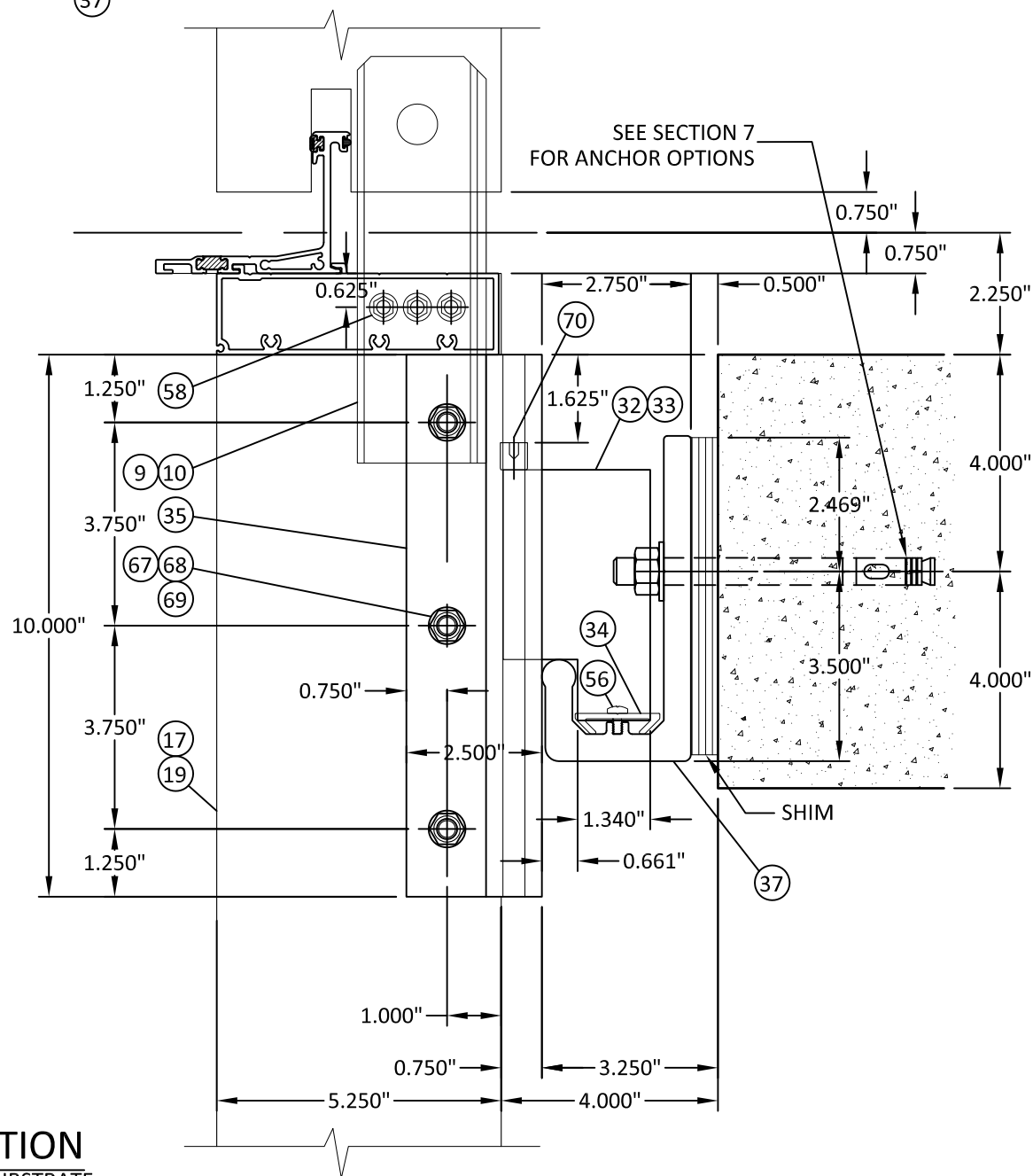
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18
8.2 HORIZONTAL SECTION
AT JAMB

ANCHOR CAPACITY		
MAX. SPAN 'L'	MULLION	MAX. DESIGN PRESSURE
162"	Std.	+/- 45 PSF

VERTICAL SECTION
ANCHOR AT CONCRETE SUBSTRATE



19
8.2 HORIZONTAL SECTION
AT VERTICAL MULLION

ANCHOR NOTES:

- WIND LOAD ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
 - WL + DL = +/- 3481.5 LBS (UNFACTORED)
 - MAX. SPAN = 13'-6"
 - MAX. TRIB WIDTH = 60"
- (2) 1/2" HILTI KWIKBOLT3 ANCHORS PER ANGLE
 - MIN. EMBEDMENT = 3 1/4"
 - MAX. C.C. SPACING = 4 1/2"
 - MIN. EDGE DISTANCE = 4"
 - MIN. 4000 PSI CONCRETE(2) 1/2" POWER WEDGE PER ANGLE
 - MIN. EMBEDMENT = 3 1/2"
 - MAX. C.C. SPACING = 4 1/2"
 - MIN. EDGE DISTANCE = 4"
 - MIN. 3000 PSI CONCRETE(2) 3/8" SIMPSON TITEN HD PER ANGLE
 - MIN. EMBEDMENT = 3 1/4"
 - MAX. C.C. SPACING = 4 1/2"
 - MIN. EDGE DISTANCE = 3 5/8"
 - MIN. 4000 PSI CONCRETE
- FOR SLABS LESS THAN 8" IN THICKNESS, DESIGN MAY BE PROVIDED ON JOB TO JOB BASIS FOR REVIEW & APPROVAL BY AHJ
- ALTERNATE WIND & DEAD LOAD ANCHORS MAY BE DESIGNED FOR ALTERNATE SITE CONDITIONS AND STEEL ANGLE DESIGN ON A JOB TO JOB BASIS FOR THE APPLICABLE WIND LOADS AS DETERMINED IN ACCORDANCE WITH CH. 16 OF THE FLORIDA BLDG. CODE BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER.



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

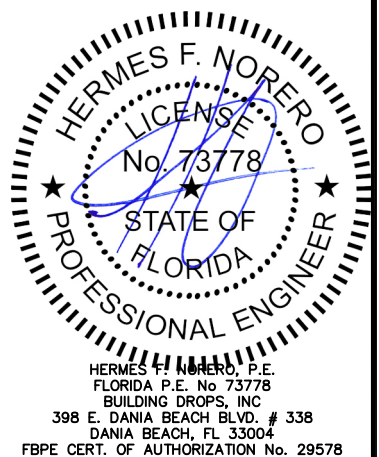
TITLE: **YUW 750 TU**
CURTAIN WALL SYSTEM
WIND LOAD / DEAD LOAD
ANCHOR DETAILS

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

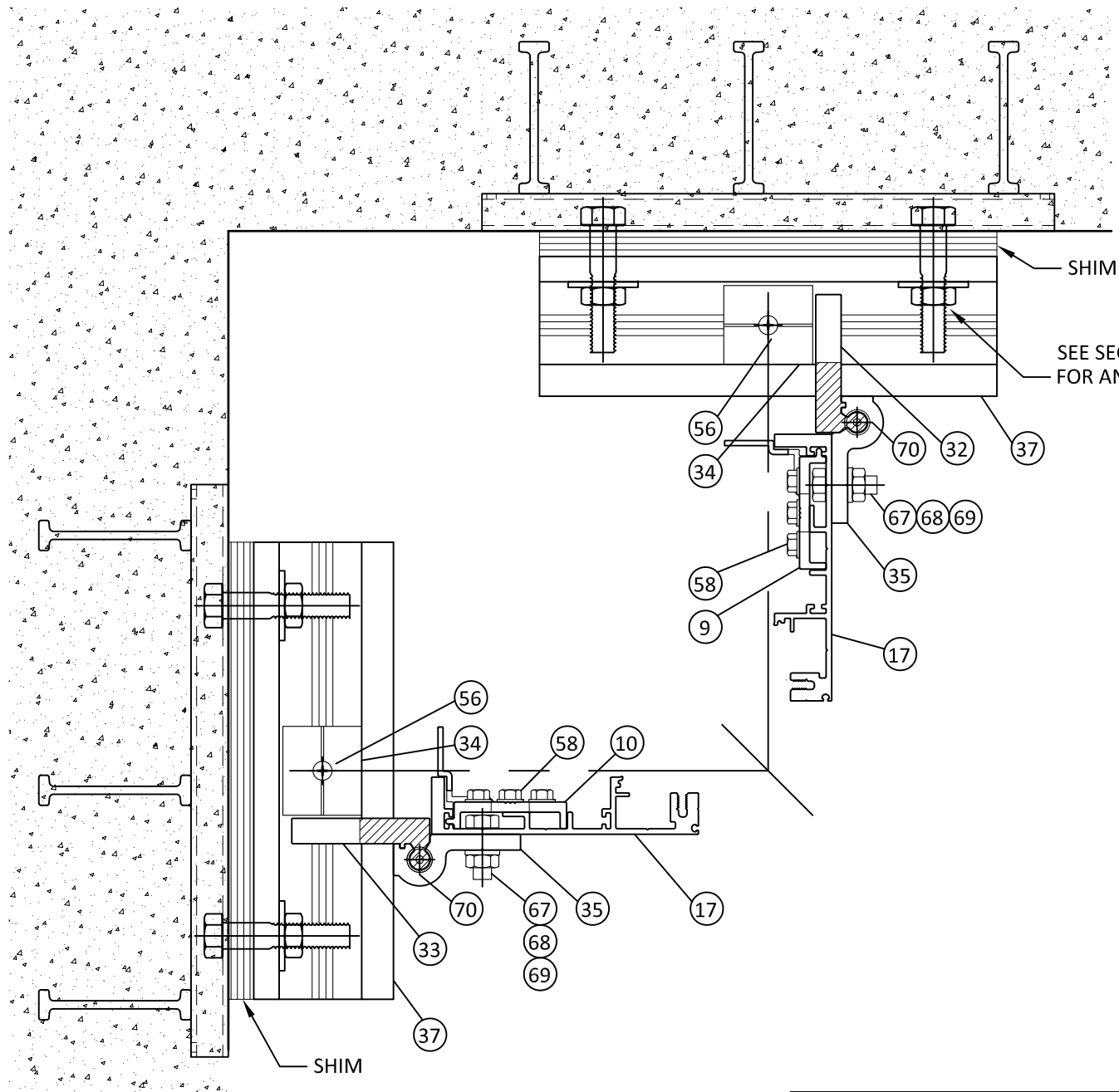
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FL #:		FL26082	
DATE:		1.16.18	
DWG. BY: RV		CHK. BY: HFN	
SCALE:		NTS	
DWG. #:		YKK256	
SECTION:		8.2	
[Sheet 24 of 34]			

2/13/2018 5:10 PM

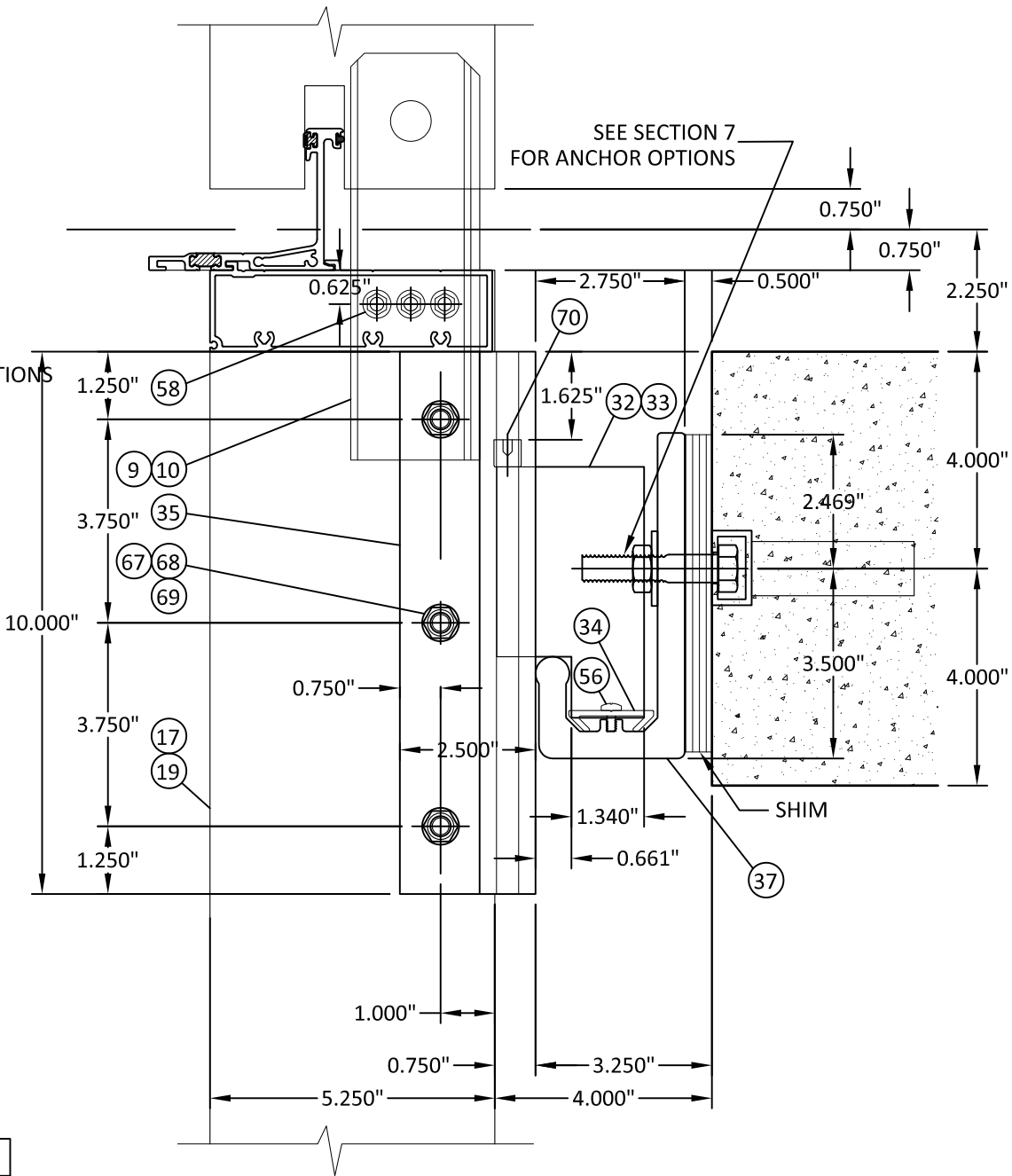
s:\projects\ykk ap america, inc.\fbc-18-0106 ykk ap america - fbc submittal - yuw 750 tu curtain wall system\dwgs\ykk 256 - fl dwgs 8 - wind-dead load anchor dtls.dwg



20
8.3 **HORIZONTAL SECTION**
INSIDE CORNER

ANCHOR CAPACITY		
MAX. SPAN 'L'	MULLION	MAX. DESIGN PRESSURE
162"	Std.	+/- 45 PSF

ANCHOR NOTE:
1) ALTERNATE ANCHORS MAY BE
DESIGNED FOR ALTERNATE SITE
CONDITIONS ON A JOB TO JOB BASIS
FOR THE APPLICABLE WIND LOADS AS
DETERMINED IN ACCORDANCE WITH
CH. 16 OF THE FLORIDA BLDG. CODE BY
A FLORIDA REGISTERED PROFESSIONAL
ENGINEER.



VERTICAL SECTION
ANCHOR AT CONCRETE SUBSTRATE



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

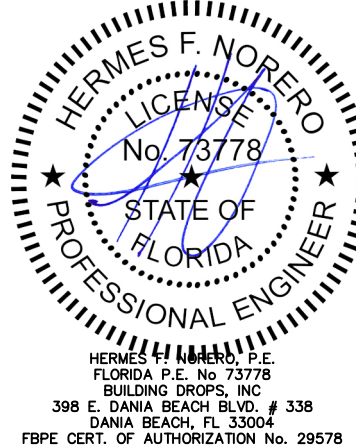
TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
WIND LOAD / DEAD LOAD
ANCHOR DETAILS

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BUILDING DROPS, INC.
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FL #:
FL26082

DATE: **1.16.18**

DWG. BY:
RV

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **YKK256**

SECTION:

8.3

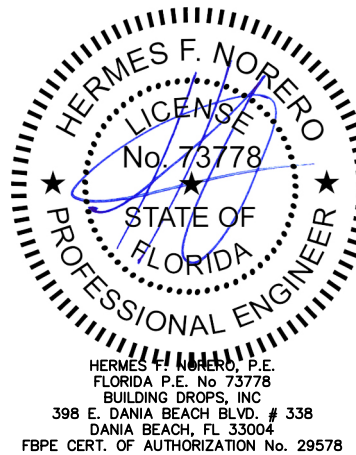
[Sheet 25 of 34]

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
WIND LOAD / DEAD LOAD
ANCHOR DETAILS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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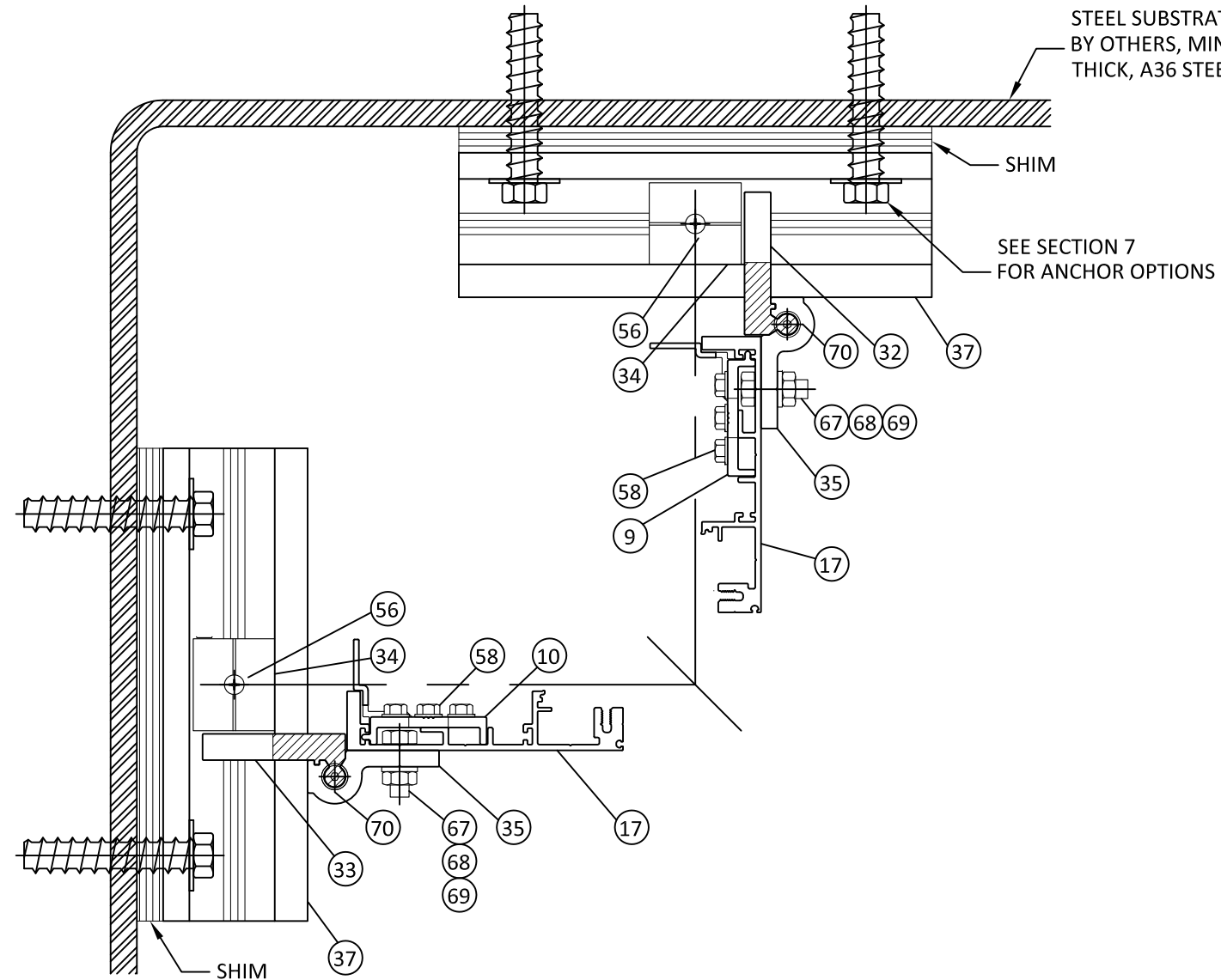
DATE: **1.16.18**

DWG. BY: **RV** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK256**

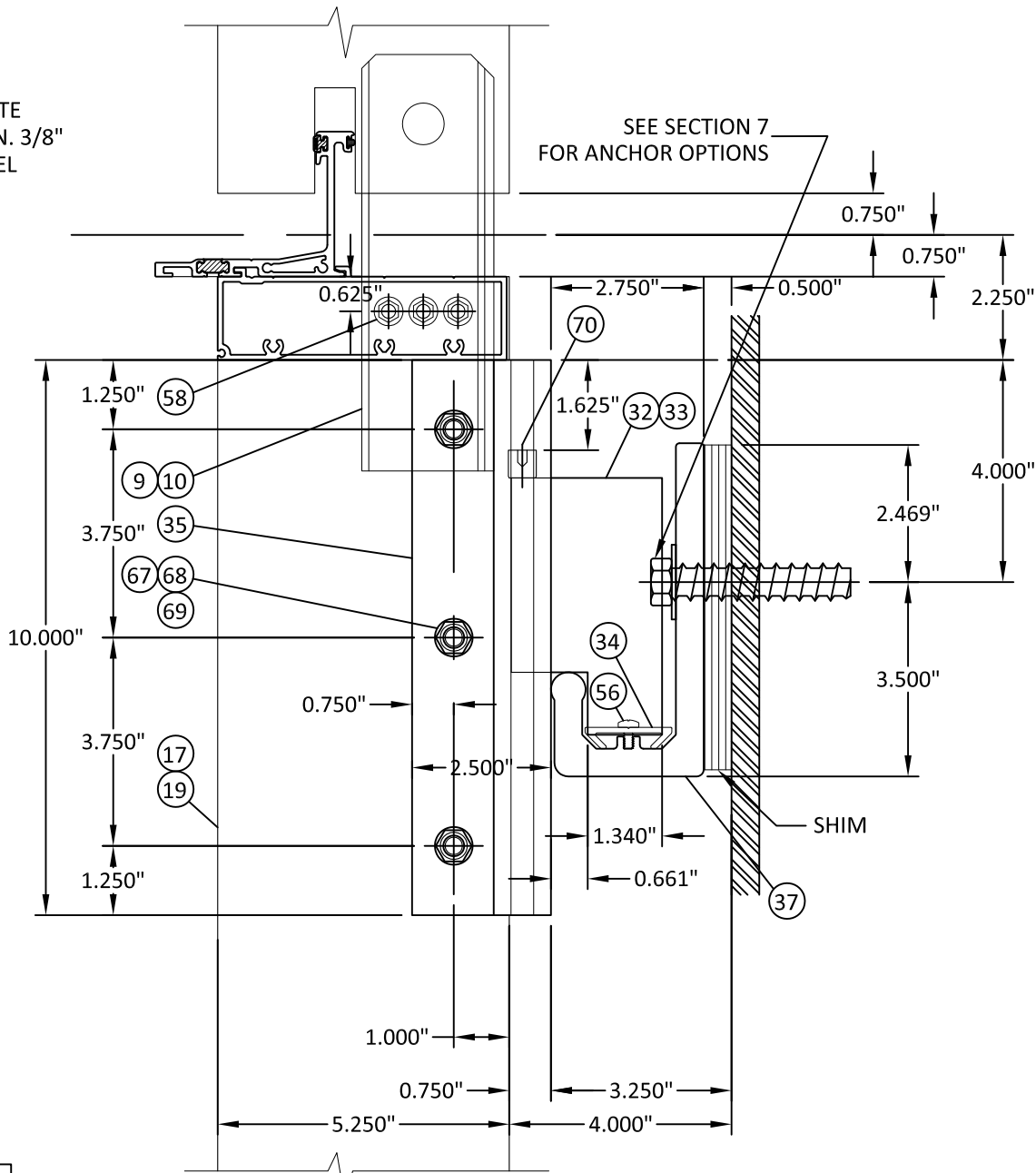
SECTION:
8.4
[Sheet 26 of 34]



21
8.4 **HORIZONTAL SECTION**
INSIDE CORNER

ANCHOR CAPACITY		
MAX. SPAN 'L'	MULLION	MAX. DESIGN PRESSURE
162"	Std.	+/- 45 PSF

ANCHOR NOTE:
1) ALTERNATE ANCHORS MAY BE
DESIGNED FOR ALTERNATE SITE
CONDITIONS ON A JOB TO JOB BASIS
FOR THE APPLICABLE WIND LOADS AS
DETERMINED IN ACCORDANCE WITH
CH. 16 OF THE FLORIDA BLDG. CODE BY
A FLORIDA REGISTERED PROFESSIONAL
ENGINEER.



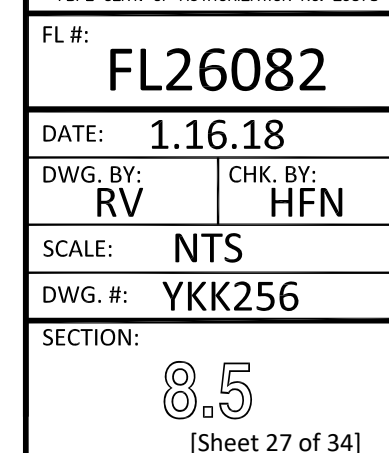
VERTICAL SECTION
ANCHOR AT STEEL SUBSTRATE

PREPARED BY:

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DANIA BEACH, FL 33004
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ANCHOR CAPACITY		
MAX. SPAN 'L'	MULLION	MAX. DESIGN PRESSURE
162"	Std.	+/- 45 PSF

Technical drawing of a mechanical assembly, likely a pump or motor component, showing dimensions and callouts. The drawing includes a cross-section of a housing and a detailed view of the internal assembly.

Dimensions:

- Overall height: 10.000"
- Vertical dimensions from top: 1.250", 3.750", 3.750", 1.250"
- Horizontal dimensions from left: 0.750", 2.500", 1.000", 0.750", 5.250"
- Horizontal dimensions from right: 2.750", 0.500", 0.750", 0.750", 2.250", 4.000", 4.000", 3.500", 1.340", 0.661", 3.250", 4.000"
- Internal dimensions: 0.625", 1.625", 2.469"

Callouts:

- 9, 10, 35, 67, 68, 69, 17, 19, 58, 70, 32, 33, 34, 56, 37

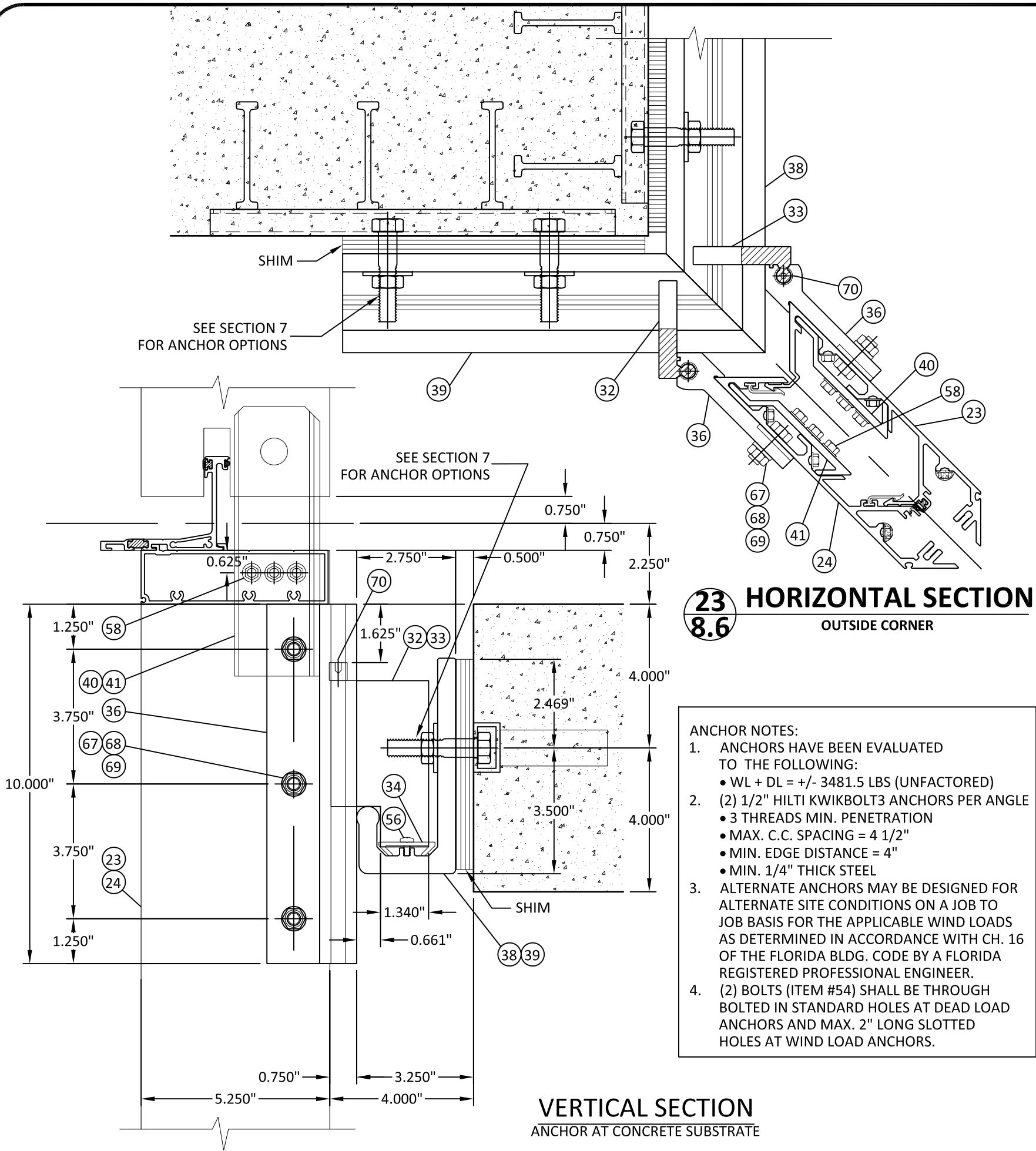
Text:

- SEE SECTION 7 FOR ANCHOR OPTIONS
- SHIM

VERTICAL SECTION

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s:\projects\ykk ap america, inc\fbc-18-0106 ykk ap america - fbc submittal - yuw 750 tu curtain wall system\dwgs\ykk 256 - fl dwgs 8 - wind-dead load anchor dtls.dwg



23
8.6 **HORIZONTAL SECTION**
OUTSIDE CORNER

- ANCHOR NOTES:**
1. ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
 - WL + DL = +/- 3481.5 LBS (UNFACTORED)
 - (2) 1/2" HILTI KWIKBOLT3 ANCHORS PER ANGLE
 - 3 THREADS MIN. PENETRATION
 - MAX. C.C. SPACING = 4 1/2"
 - MIN. EDGE DISTANCE = 4"
 - MIN. 1/4" THICK STEEL
 3. ALTERNATE ANCHORS MAY BE DESIGNED FOR ALTERNATE SITE CONDITIONS ON A JOB TO JOB BASIS FOR THE APPLICABLE WIND LOADS AS DETERMINED IN ACCORDANCE WITH CH. 16 OF THE FLORIDA BLDG. CODE BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER.
 4. (2) BOLTS (ITEM #54) SHALL BE THROUGH BOLTED IN STANDARD HOLES AT DEAD LOAD ANCHORS AND MAX. 2" LONG SLOTTED HOLES AT WIND LOAD ANCHORS.

VERTICAL SECTION
ANCHOR AT CONCRETE SUBSTRATE

WIND/DEAD LOAD TABLES

MAXIMUM DESIGN PRESSURE - LIMITED BY ANCHOR CAPACITY (+/- PSF)			
NOMINAL DIMENSIONS		DL+WL ANCHOR TYPE G 'UNCRAKCE D'	DL+WL ANCHOR TYPE G 'CRACKED'
WIDTH (IN.)	HEIGHT (IN.)		
30.0	108.0	45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	45.0
60.0		45.0	40.5
66.0		45.0	36.8
72.0		45.0	33.7
30.0	114.0	45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	42.6
60.0		45.0	38.3
66.0		45.0	34.9
72.0		45.0	32.0
30.0	120.0	45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	45.0
54.0		45.0	40.5
60.0		45.0	36.4
66.0		45.0	33.1
72.0		42.8	30.4
30.0	126.0	45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	43.4
54.0		45.0	38.5
60.0		45.0	34.7
66.0		44.4	31.5
72.0		40.7	28.9
30.0	132.0	45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	41.4
54.0		45.0	36.8
60.0		45.0	33.1
66.0		42.4	30.1
72.0		38.9	27.6
30.0	138.0	45.0	45.0
36.0		45.0	45.0
42.0		45.0	45.0
48.0		45.0	39.6
54.0		45.0	35.2
60.0		44.6	31.7
66.0		40.6	28.8
72.0		37.2	26.4

MAXIMUM DESIGN PRESSURE - LIMITED BY ANCHOR CAPACITY (+/- PSF)			
NOMINAL DIMENSIONS		DL+WL ANCHOR TYPE G 'UNCRAKCE D'	DL+WL ANCHOR TYPE G 'CRACKED'
WIDTH (IN.)	HEIGHT (IN.)		
30.0	144.0	45.0	45.0
36.0		45.0	45.0
42.0		45.0	43.4
48.0		45.0	37.9
54.0		45.0	33.7
60.0		42.8	30.4
66.0		38.9	27.6
72.0		35.6	25.3
30.0	150.0	45.0	45.0
36.0		45.0	45.0
42.0		45.0	41.6
48.0		45.0	36.4
54.0		45.0	32.4
60.0		41.0	29.1
66.0		37.3	26.5
72.0		34.2	24.3
30.0	156.0	45.0	45.0
36.0		45.0	45.0
42.0		45.0	40.0
48.0		45.0	35.0
54.0		43.8	31.1
60.0		39.5	28.0
66.0		35.9	25.5
72.0		32.9	23.3
30.0	162.0	45.0	45.0
36.0		45.0	45.0
42.0		45.0	38.5
48.0		45.0	33.7
54.0		42.2	30.0
60.0		38.0	27.0
66.0		34.5	24.5
72.0		31.7	22.5



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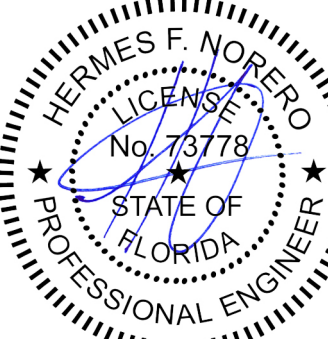
TITLE: YUW 750 TU
CURTAIN WALL SYSTEM

WIND LOAD / DEAD LOAD
ANCHOR 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

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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 #:
FL26082

DATE:
1.16.18

DWG. BY:
RV

CHK. BY:
HFN

SCALE:
NTS

DWG. #:
YKK256

SECTION:
8.6
[Sheet 28 of 34]



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DUBLIN, GEORGIA 31021
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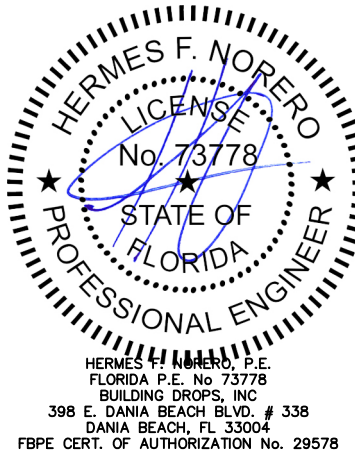
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ANCHOR DETAILS

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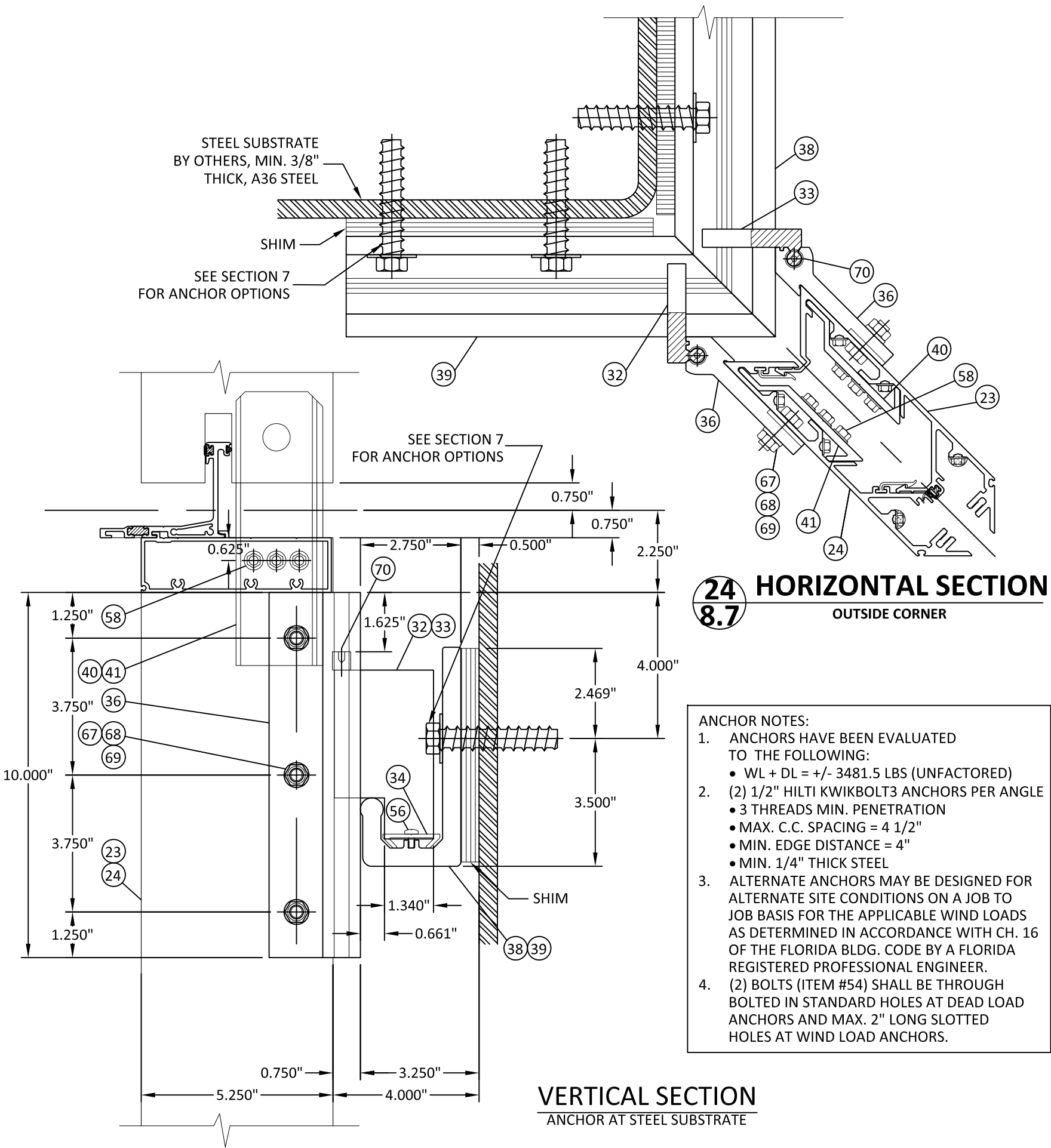


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DATE:	1.16.18
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK256
SECTION:	8.7





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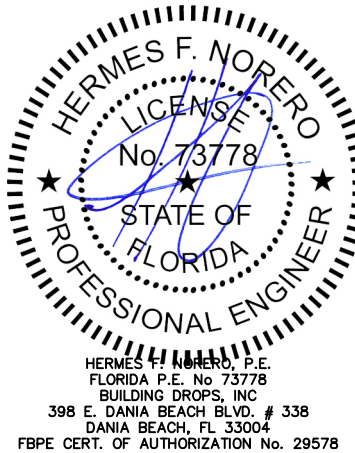
TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
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ANCHOR DETAILS

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DATE: **1.16.18**

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SCALE: **NTS**

DWG. #: **YKK256**

SECTION:



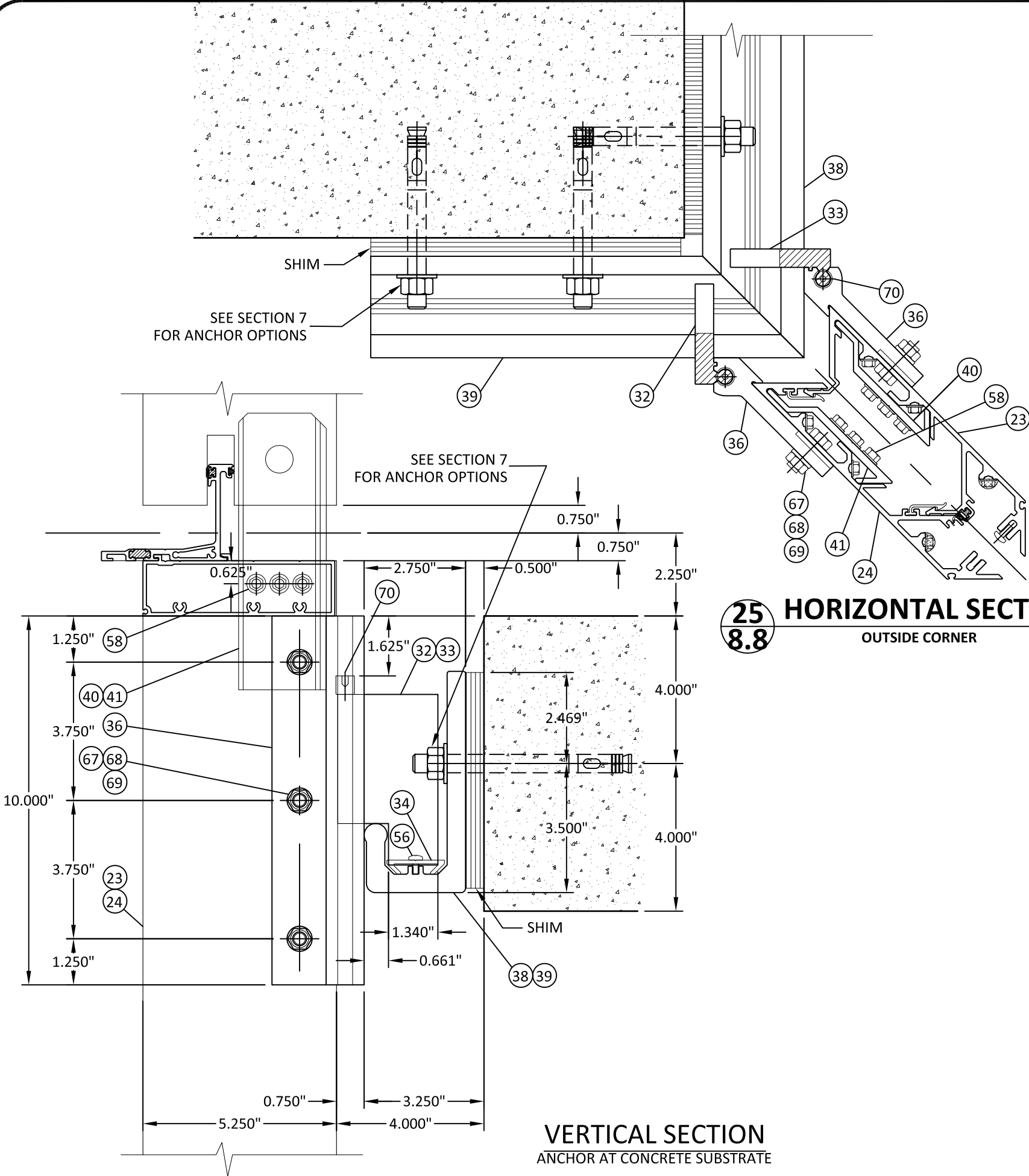
[Sheet 30 of 34]

NOTE:
1) ALTERNATE ANCHORS MAY BE DESIGNED FOR ALTERNATE SITE CONDITIONS ON A JOB TO JOB BASIS FOR THE APPLICABLE WIND LOADS AS DETERMINED IN ACCORDANCE WITH CH. 16 OF THE FLORIDA BLDG. CODE BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER.

25 HORIZONTAL SECTION 8.8 OUTSIDE CORNER

- ANCHOR NOTES:
- DEAD LOAD ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
 - WL + DL = +/- 3481.5 LBS (UNFACTORED)
 - (2) 1/2" HILTI KWIKBOLT3 PER ANGLE
 - MIN. EMBEDMENT = 3 1/4"
 - MAX. C.C. SPACING = 4 1/2"
 - MIN. EDGE DISTANCE = 4"
 - MIN. 4000 PSI CONCRETE
 - (2) 1/2" POWER WEDGE PER ANGLE
 - MIN. EMBEDMENT = 3 1/2"
 - MAX. C.C. SPACING = 4 1/2"
 - MIN. EDGE DISTANCE = 4"
 - MIN. 3000 PSI CONCRETE
 - (2) 3/8" SIMPSON TITEN HD PER ANGLE
 - MIN. EMBEDMENT = 3 1/4"
 - MAX. C.C. SPACING = 4 1/2"
 - MIN. EDGE DISTANCE = 3 5/8"
 - MIN. 4000 PSI CONCRETE
 - FOR SLABS LESS THAN 8" IN THICKNESS, DESIGN MAY BE PROVIDED ON JOB TO JOB BASIS FOR REVIEW & APPROVAL BY AHJ
 - (2) BOLTS (ITEM #54) SHALL BE THROUGH BOLTED IN STANDARD HOLES AT DEAD LOAD ANCHORS AND MAX. 2" LONG SLOTTED HOLTES AT WIND LOAD ANCHORS.

VERTICAL SECTION ANCHOR AT CONCRETE SUBSTRATE

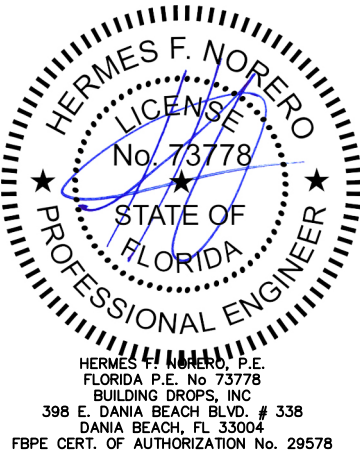


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FL #: **FL26082**

DATE: 1.16.18

DWG. BY: RV	CHK. BY: HFN
-----------------------	------------------------

SCALE: **NTS**

DWG. #: YKK256

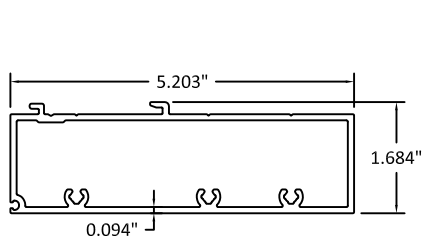
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8.9

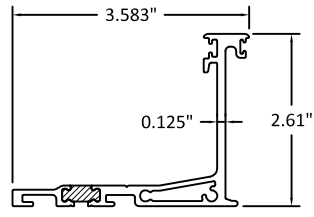
[Sheet 31 of 34]

J-ANCHOR CAPACITIES

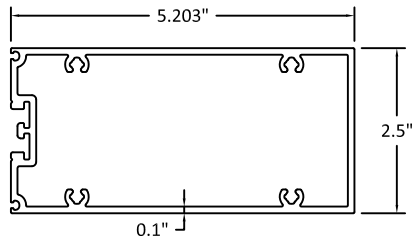
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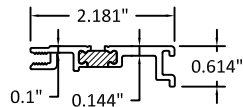
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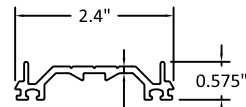
② STACKING TRAY



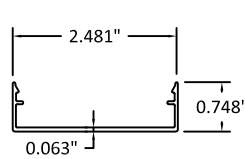
③ HORIZONTAL



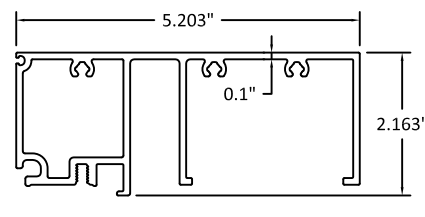
④ CAP HORIZONTAL ADAPTOR



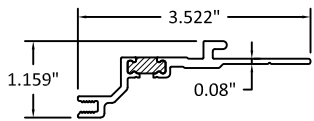
⑤ FACE COVER BASE



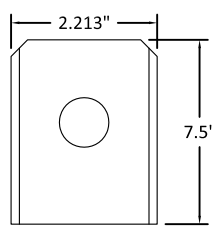
⑥ FACE COVER



⑦ SILL

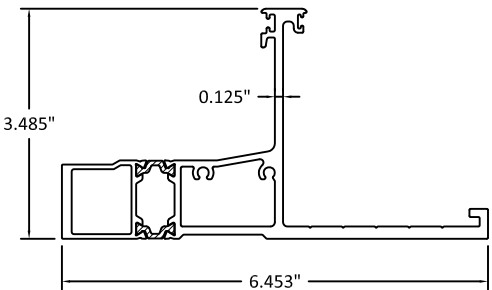


⑧ CAP SILL ADAPTOR

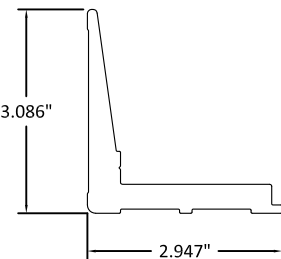


⑨ SPLICE (LEFT)

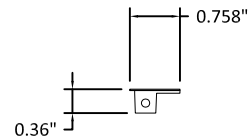
⑩ SPLICE (RIGHT)



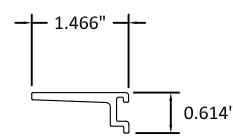
⑪ SILL STARTER



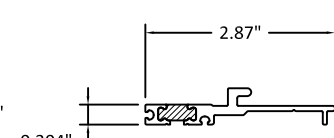
⑫ REINFORCEMENT



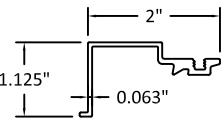
⑬ FACE COVER CAP



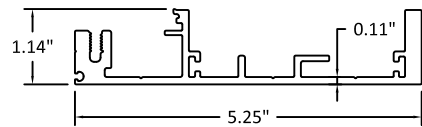
⑭ SETTING BLOCK CHAIR



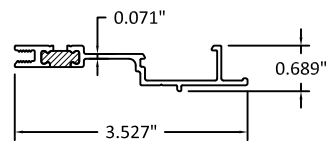
⑮ SSG SILL ADAPTOR



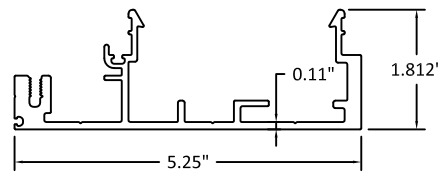
⑯ JAMB INTERIOR COVER



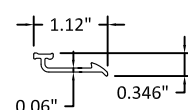
⑰ FEMALE MULLION



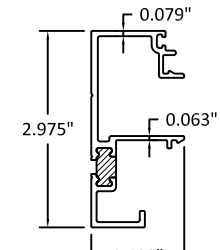
⑱ CAP VERTICAL ADAPTOR



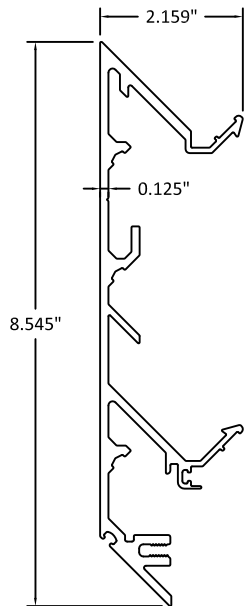
⑲ MALE MULLION



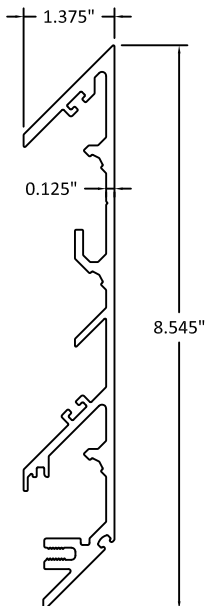
⑳ MULLION CLIP



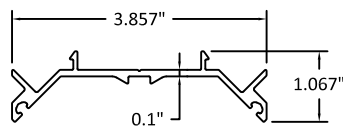
㉑ JAMB ADAPTOR



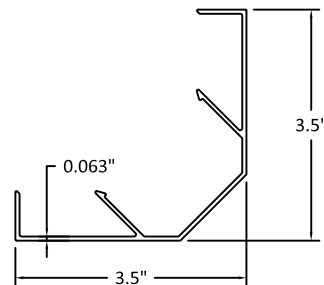
㉓ MALE CORNER MULLION



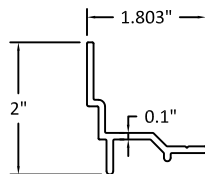
㉔ FEMALE CORNER MULLION



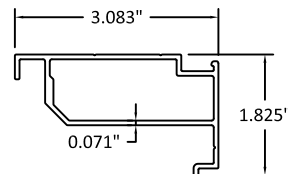
㉕ CORNER FACE COVER BASE



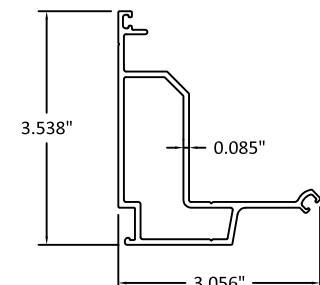
㉖ CORNER FACE COVER



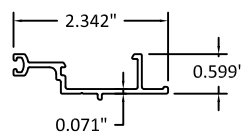
㉗ INSIDE CORNER INTERIOR COVER BASE



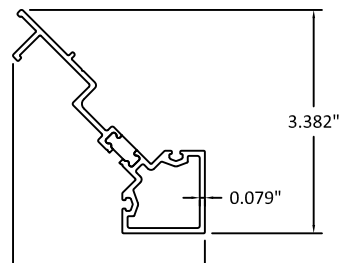
㉘ INSIDE CORNER ADAPTOR



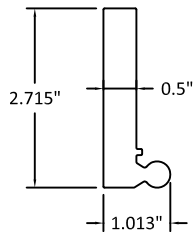
㉙ INSIDE CORNER ADAPTOR



㉚ SSG VERTICAL ADAPTOR

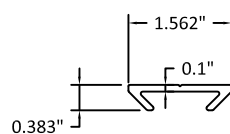


㉛ SSG CORNER ADAPTOR

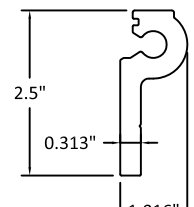


㉜ BRACKET SLEEVE

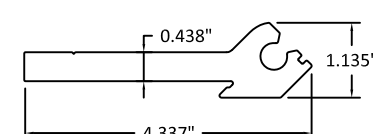
㉝ BRACKET SLEEVE



㉞ STOPPER



㉟ LEVELING BRACKET



㊱ CORNER LEVELING BRACKET



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

TITLE: YUW 750 TU
CURTAIN WALL SYSTEM

COMPONENTS

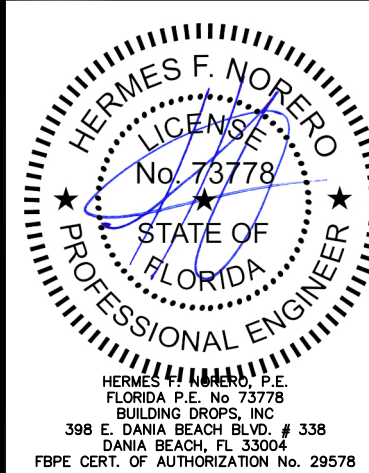
PREPARED BY:

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



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FL #:

FL26082

DATE: 1.16.18

DWG. BY: RV
CHK. BY: HFN

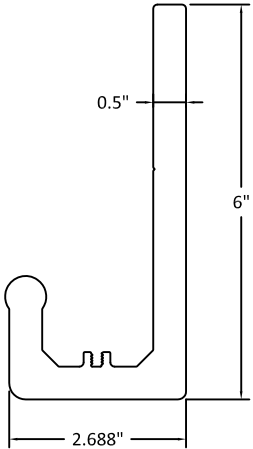
SCALE: NTS

DWG. #: YKK256

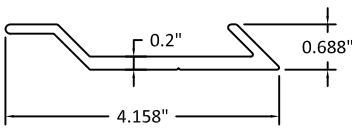
SECTION:

9.0

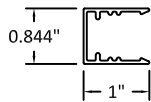
[Sheet 32 of 34]



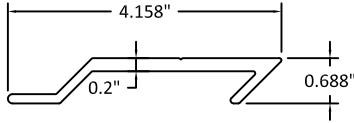
- 37 J ANCHOR
- 38 CORNER J ANCHOR
- 39 CORNER J ANCHOR



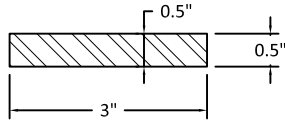
40 SPLICE SLEEVE FOR CORNER (LEFT)



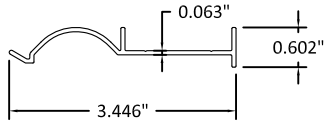
62 SSG JAMB ADAPTOR



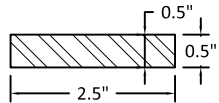
41 SPLICE SLEEVE FOR CORNER (RIGHT)



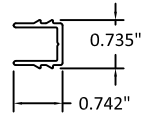
65 STEEL REINFORCEMENT



42 INSIDE CORNER CLIP



66 STEEL REINFORCEMENT



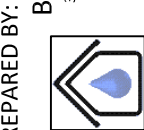
54 SSG JAMB ADAPTOR BASE



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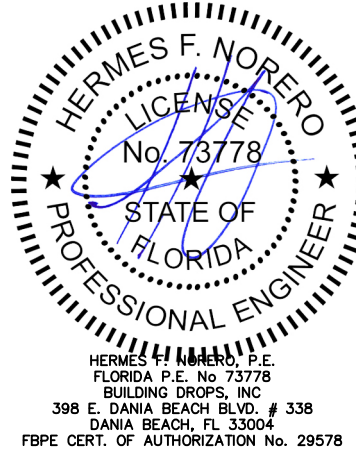
TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
COMPONENTS



PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
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FL #:
FL26082

DATE: **1.16.18**

DWG. BY: **RV** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK256**

SECTION:
9.1
[Sheet 33 of 34]

BILL OF MATERIALS			
ITEM	PART No.	DESCRIPTION	MATERIAL
1	E9-3843	HEAD	6063-T5
2	BE9-3844	STACKING TRAY	6063-T5
3	E9-3846	HORIZONTAL	6063-T6
4	BE9-3850	CAP HORIZONTAL ADAPTOR	6063-T5
5	E9-3847	FACE COVER BASE	6063-T5
6	E9-1206	FACE COVER	6063-T5
7	E9-3845	SILL	6063-T5
8	BE9-3849	CAP SILL ADAPTOR	6063-T5
9	E1-3940	SPLICE (LEFT)	6063-T6
10	E1-3941	SPLICE (RIGHT)	6063-T6
11	BE9-3864	SILL STARTER	6063-T5
12	E1-3954	REINFORCEMENT	6063-T6
13	E3-7024	FACE COVER CAP	NYLON
14	E1-3943	SETTING BLOCK CHAIR	6063-T5
15	BE9-3852	SSG SILL ADAPTOR	6063-T5
16	E9-3861	JAMB INTERIOR COVER	6063-T5
17	E9-3842	FEMALE MULLION	6063-T6
18	BE9-3848	CAP VERTICAL ADAPTOR	6063-T5
19	E9-3841	MALE MULLION	6063-T6
20	E1-3942	MULLION CLIP	6063-T5
21	BE9-3860	JAMB ADAPTOR	6063-T5
22	E1-3953	END DAM	ALUMINUM
23	E9-3866	MALE CORNER MULLION	6063-T6
24	E9-3867	FEMALE CORNER MULLION	6063-T6
25	E9-3868	CORNER FACE COVER BASE	6063-T5
26	E9-3869	CORNER FACE COVER	6063-T5
27	E9-3877	INSIDE CORNER INTERIOR COVER BASE	6063-T5
28	E9-3876	INSIDE CORNER ADAPTOR	6063-T5
29	E9-3875	INSIDE CORNER ADAPTOR	6063-T5
30	E9-3851	SSG VERTICAL ADAPTOR	6063-T5
31	BE9-3872	SSG CORNER ADAPTOR	6063-T5
32	E1-3945	BRACKET SLEEVE	6063-T6
33	E1-3946	BRACKET SLEEVE	6063-T6
34	E1-3955	STOPPER	6063-T5
35	E1-3944	LEVELING BRACKET	6063-T6
36	E1-3952	CORNER LEVELING BRACKET	6063-T6
37	E1-3949	J ANCHOR	6063-T6
38	E1-3950	CORNER J ANCHOR	6063-T6
39	E1-3951	CORNER J ANCHOR	6063-T6
40	E1-3947	SPLICE SLEEVE FOR CORNER (LEFT)	6063-T6
41	E1-3948	SPLICE SLEEVE FOR CORNER (RIGHT)	6063-T6
42	E1-3956	INSIDE CORNER CLIP	6063-T5
43	E2-3841	WIPER GASKET	EPDM
44	E2-3844	JOINT PLUG	SILICONE
45	E2-3901	AIR TIGHT GASKET	EPDM
46	E2-7004	AIR TIGHT GASKET	SILICONE
47	E2-3906	SPACER	PROVISTA RIGID
48	E2-0725	SPONGE	EPDM
49	E2-0611	SETTING BLOCK	EPDM
50	E2-7014	SSG SPACER	SILICONE
51	E2-7009	WIPER GASKET	SILICONE
52	E2-0070	SILICONE SHEET	SILICONE
53	E2-3842	HORIZONTAL WIPER GASKET	SILICONE

BILL OF MATERIALS			
ITEM	PART No.	DESCRIPTION	MATERIAL
54	E9-7052	SSG JAMB ADAPTOR BASE	6063-T5
55	E2-3843	SSG SPACER	SILICONE
56	PM-1006-SS	#10-2 X 3/8" PHMS-SS	STAINLESS STEEL
57	FS-1216-SS	#12 X 1" FHSMS-SS	STAINLESS STEEL
58	HD-2520-W3	1/4"-20 X 1 1/4" HWHMS	STEEL
59	UF-0808-SS	#8 X 1/2"	STAINLESS STEEL
60	HC-1220-SS	#12 X 1 1/4" SS TYPE AB	STAINLESS STEEL
61	PC-1232	#12 X 2" PHSMS TYPE AB	STEEL
62	E9-7053	SSG JAMB ADAPTOR	6063-T5
63	FC-1012	#10 X 3/4" FHSMS TYPE AB	STEEL
64	PF-1012-SS	#10 X 3/4" PHSMS TYPE F-SS	STAINLESS STEEL
65	1/2" X 3"	STEEL REINFORCEMENT	STEEL
66	1/2" X 2 1/2"	STEEL BAR REINFORCEMENT	STEEL
67	HM-3816	3/8"-16 X 1" HHMS	STEEL
68	WS-3800	3/8" LOCK WASHER	STEEL
69	HM-3800	3/8" NUT	STEEL
70	YM-5008	1/2"-13 X 1/2" SET SCREW	STEEL
71	HC-1228-SS	#12 X 1 3/4" TYPE AB-SS	STAINLESS STEEL
72	E2-0110	GLAZING SPACER TAPE	POLYURETHANE



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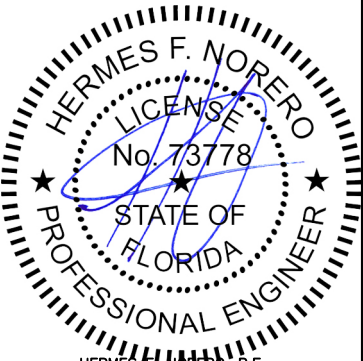
TITLE: YUW 750 TU
CURTAIN WALL SYSTEM
BILL OF MATERIALS

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



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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 #:
FL26082

DATE: **1.16.18**

DWG. BY: **RV**CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK256**

SECTION:
9.2
[Sheet 34 of 34]