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YKK AP AMERICA, Inc.

SERIES YCW 750 SSG SHOP GLAZED CURTAIN WALL SYSTEM (NON-HVHZ) (NON-IMPACT)

INSTALLATION NOTES:

- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL ANCHORS WITHIN A TOLERANCE OF +/- 1/2 INCH OF THE DEPICTED LOCATION AS SPECIFIED. TOLERANCES ARE NOT CONSIDERED CUMULATIVE FROM ONE LOCATION TO THE NEXT.
- USE 3/8" HILTI KWIK BOLT 3, 1/2" HILTI HAS SUPER ROD WITH HVU CAPSULE ADHESIVE, OR 1/2" POWERS WEDGE BOLT ANCHORS INTO CONCRETE. SEE SECTION 4.3 & 4.4 FOR ANCHOR REQUIREMENTS.
- USE 1/2" ASTM A325 STEEL HH THREADED BOLT ANCHORS (DRILL & TAP) THROUGH STEEL. SEE SECTION 4.3 & 4.4. FOR ANCHOR REQUIREMENTS.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.SEE SECTION 4.3 & 4.4 FOR ANCHOR REQUIREMENTS.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
 - STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 1/4 WALL THICKNESS.

GENERAL NOTES:

- 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 501-15
 - ASTM E 283-19
 - ASTM E 330-14
 - ASTM E 331-00(16)
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND STEEL 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.
- STEEL (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. STEEL DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- FRAME MATERIAL: 6063-T5 & 6063-T6 ALUMINUM.
- ALL STRUCTURAL MATERIALS & DISSIMILIAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SECTION 5.0 FOR GLAZING DETAILS.

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1	INSTALLATION & GENERAL NOTES
2	ELEVATION
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	GLAZING DETAILS & GLASS CAPACITY TABLE
6	F & T ANCHOR DETAILS
7	COMPONENTS & BILL OF MATERIALS

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 5 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 3 & 4.
- STEP 4

THE LOWEST VALUE RESULTING FROM STEPS 2, 3 SHALL APPLY TO ENTIRE SYSTEM.



YKK AP America Inc
1229 HWY 441 BYPASS
DUBLIN, GEORGIA 31021
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TITLE:
YCW 750 SSG
SHOP GLAZED CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

INSTALLATION & GENERAL NOTES

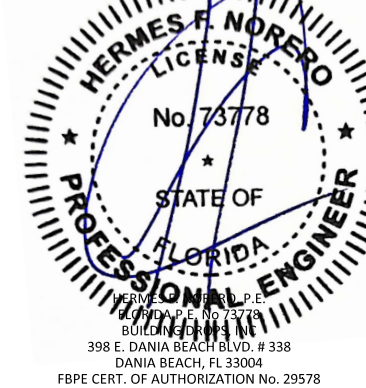
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BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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B. 7TH EDITION FBC UPDATE	ER	03.20.20
C. 2023 FBC CODE UPDATE	MS	04.28.23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.02 11:38:11 -0400



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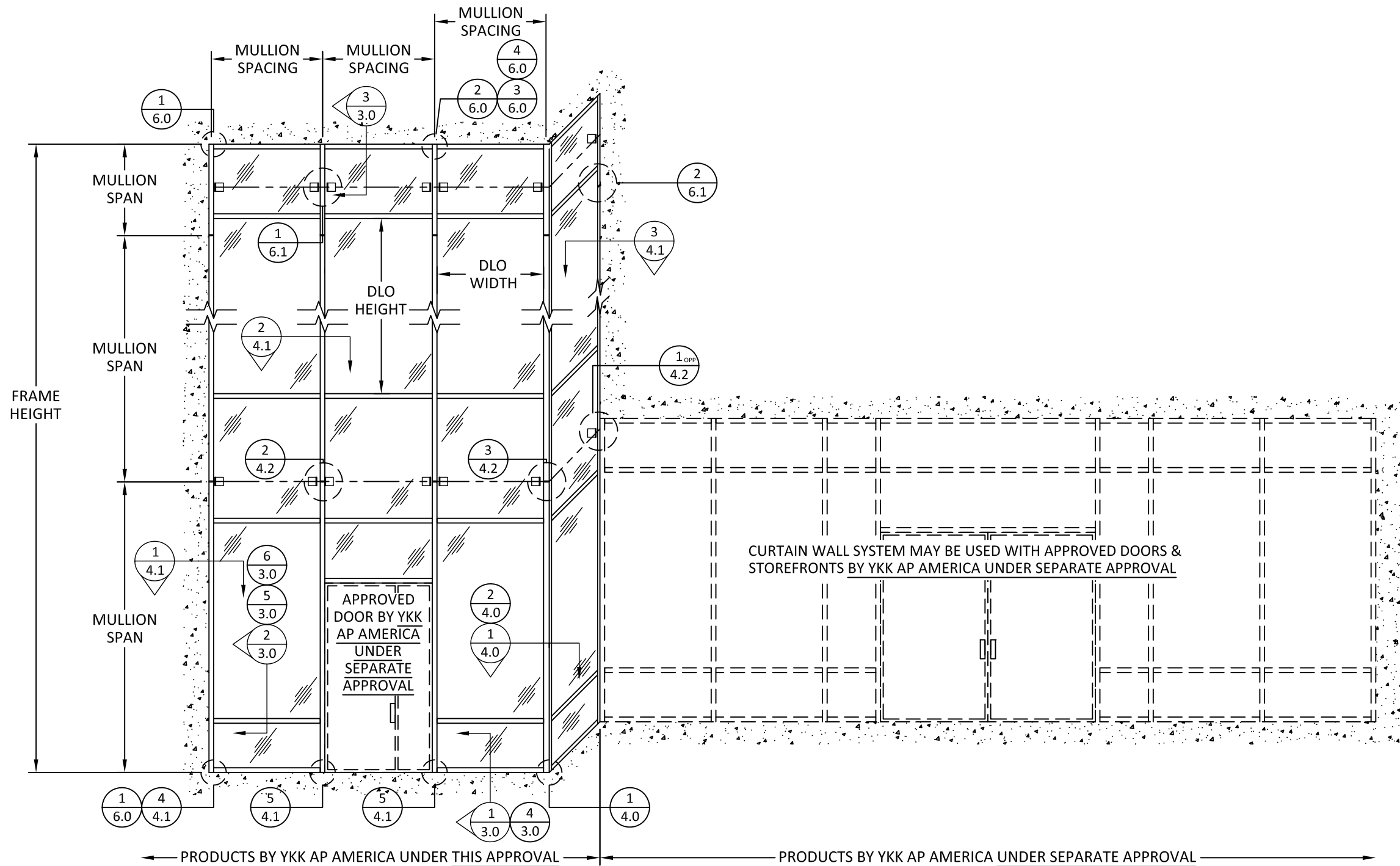
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ELEVATION

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



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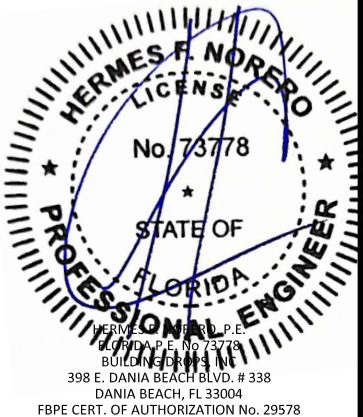
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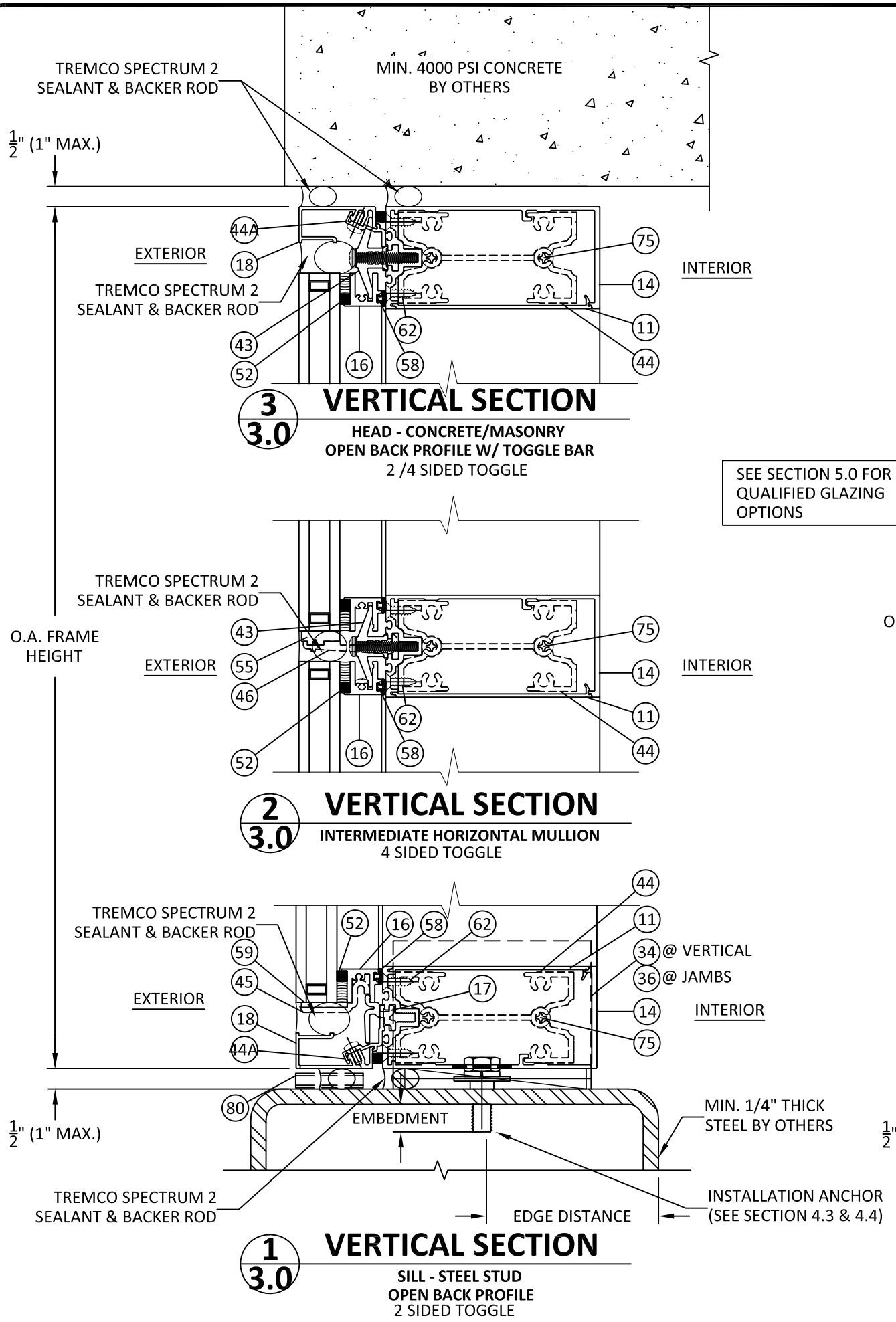
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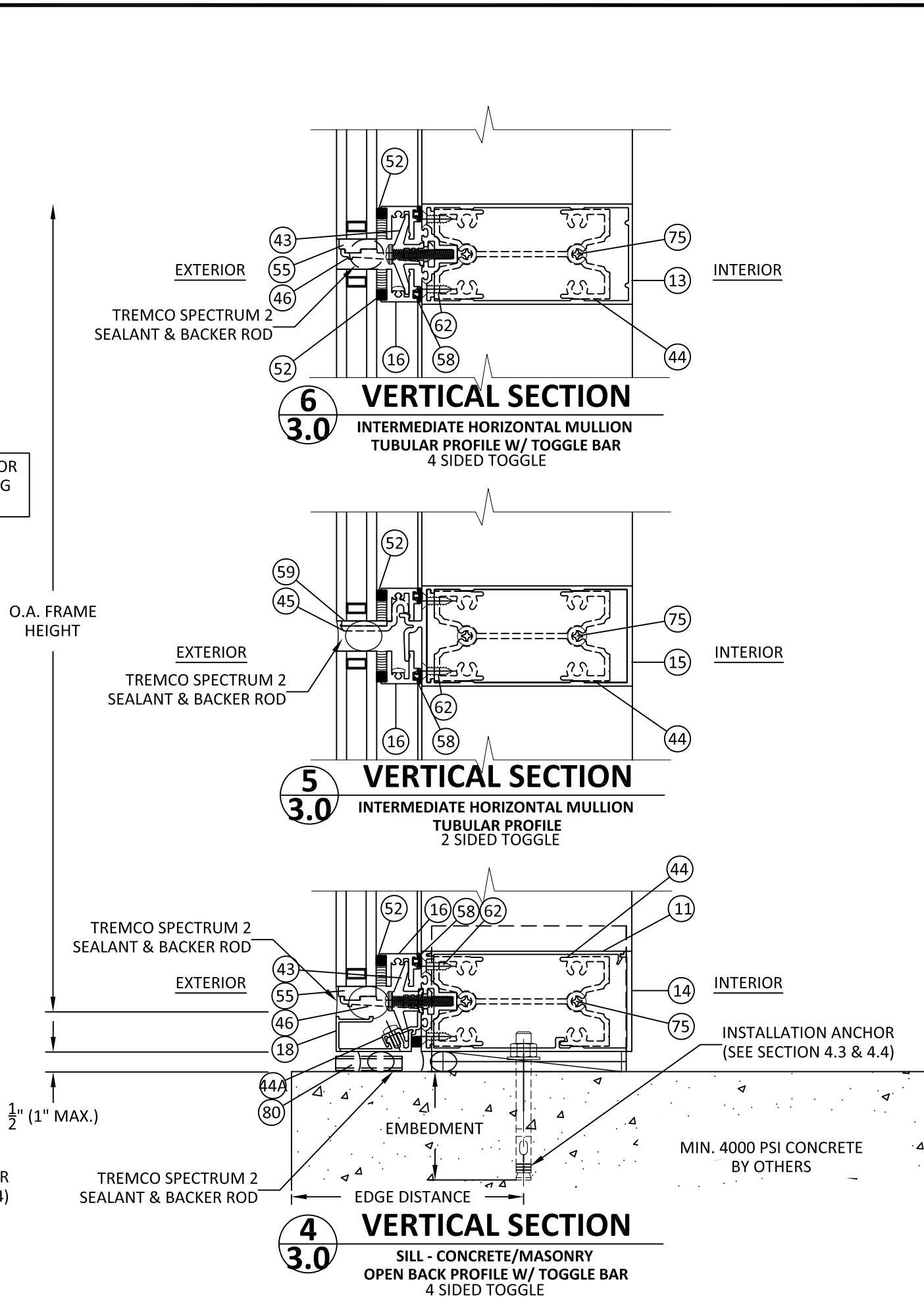
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SEE SECTION 5.0 FOR
QUALIFIED GLAZING
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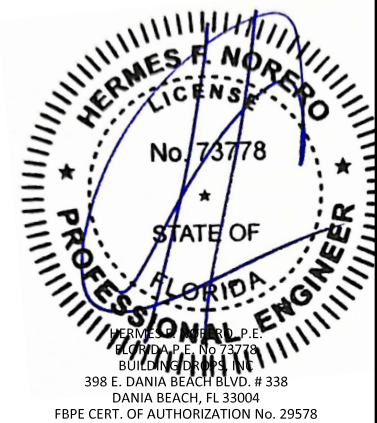
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HORIZONTAL MULLION DESIGN PRESSURE TABLE



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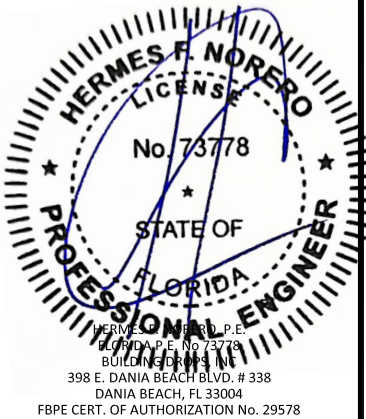
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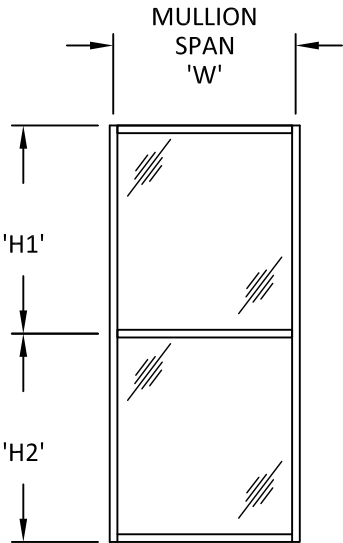


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DESIGN PRESSURE TABLE: HORIZONTAL MULLION CAPACITY		
MULLION SPAN 'W'	BAY HEIGHT 'H'	DESIGN PRESSURE (PSF)
30"	60"	85.3
	66"	77.5
	72"	71.1
	78"	65.6
	84"	60.9
	90"	56.9
	96"	53.3
	102"	50.2
	108"	47.4
	114"	44.9
	120"	42.6
36"	60"	71.1
	66"	64.6
	72"	59.2
	78"	54.7
	84"	50.8
	90"	47.4
	96"	44.4
	102"	41.8
	108"	39.5
	114"	37.4
	120"	35.5
42"	60"	60.9
	66"	55.4
	72"	50.8
	78"	46.9
	84"	43.5
	90"	40.6
	96"	38.1
	102"	35.8
	108"	33.8
	114"	32.1
	120"	30.5

DESIGN PRESSURE TABLE: HORIZONTAL MULLION CAPACITY		
MULLION SPAN 'W'	BAY HEIGHT 'H'	DESIGN PRESSURE (PSF)
48"	60"	53.3
	66"	48.5
	72"	44.4
	78"	41.0
	84"	38.1
	90"	35.5
	96"	33.3
	102"	31.4
	108"	29.6
	114"	28.1
	120"	26.7
54"	60"	47.4
	66"	43.1
	72"	39.5
	78"	36.4
	84"	33.8
	90"	31.6
	96"	29.6
	102"	27.9
	108"	26.3
	114"	24.9
	120"	23.7
60"	60"	39.2
	66"	35.6
	72"	32.6
	78"	30.1
	84"	28.0
	90"	26.1
	96"	24.5
	102"	23.0
	108"	21.8
	114"	20.6
	120"	19.6



MULLION SPACING OR
BAY HEIGHT, 'H'

$H = \frac{H1 + H2}{2}$

- NOTES:
1. TABULATED DESIGN PRESSURE VALUES ARE BASED ON LIMITATIONS OF DEFLECTION, FIBERSTRESS, END REACTION, GIVEN COMBINATIONS OF MULLION SPAN ('W') AND MULLION SPACING ('H').
 2. DESIGN PRESSURES SHALL BE READ AS BOTH POSITIVE AND NEGATIVE PRESSURES.
 3. SYSTEM IS RATED FOR WATER INFILTRATION UP TO A POSITIVE DESIGN PRESSURE OF 100 PSF.
 4. FOR SITE CONDITIONS NOT SPECIFICALLY SHOWN IN THE DETAILS HEREIN FURTHER ENGINEERING MAY BE REQUIRED ON A CASE BY CASE BASIS.



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HORIZONTAL SECTIONS

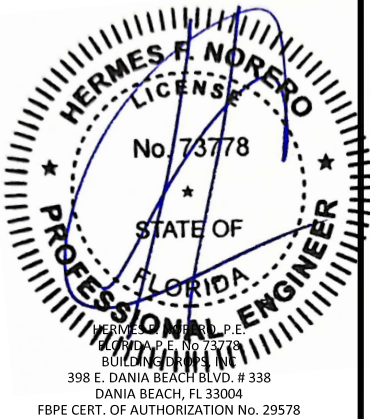
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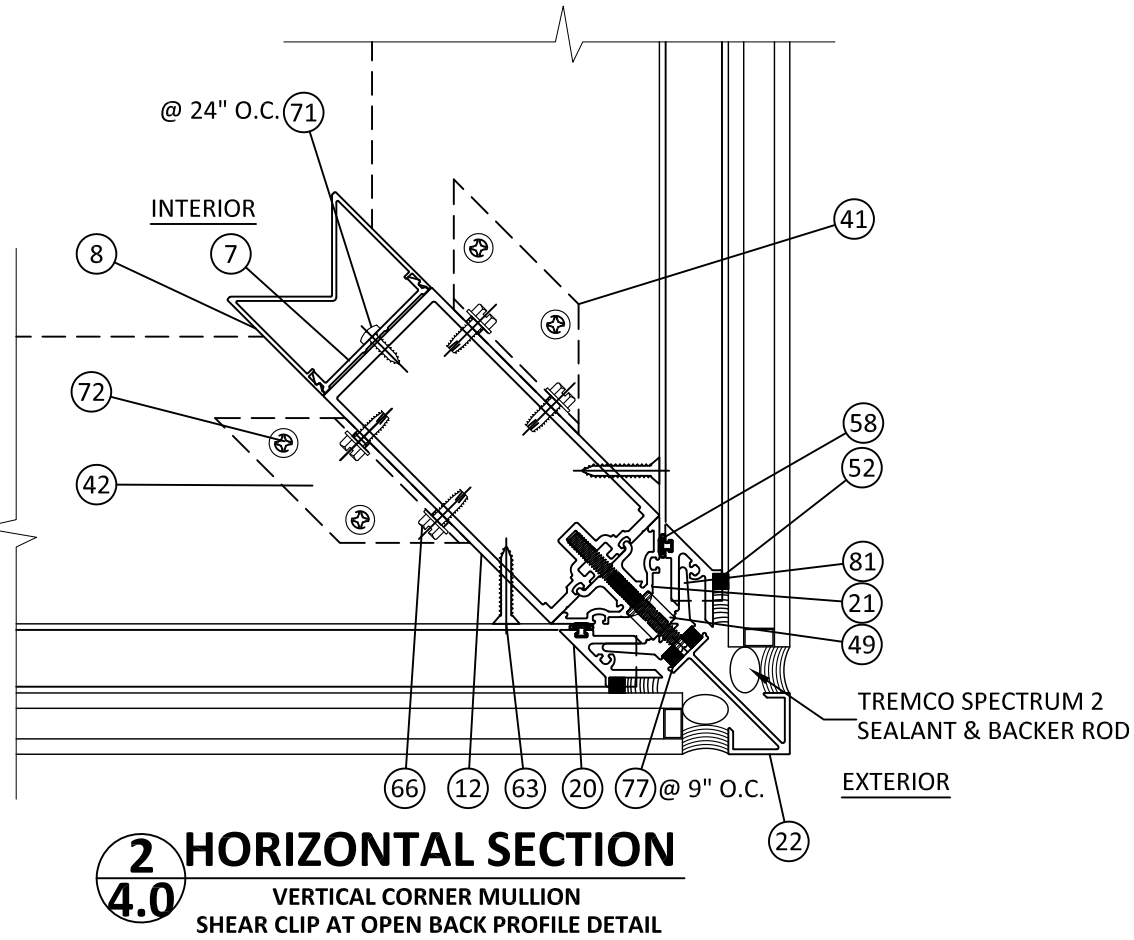
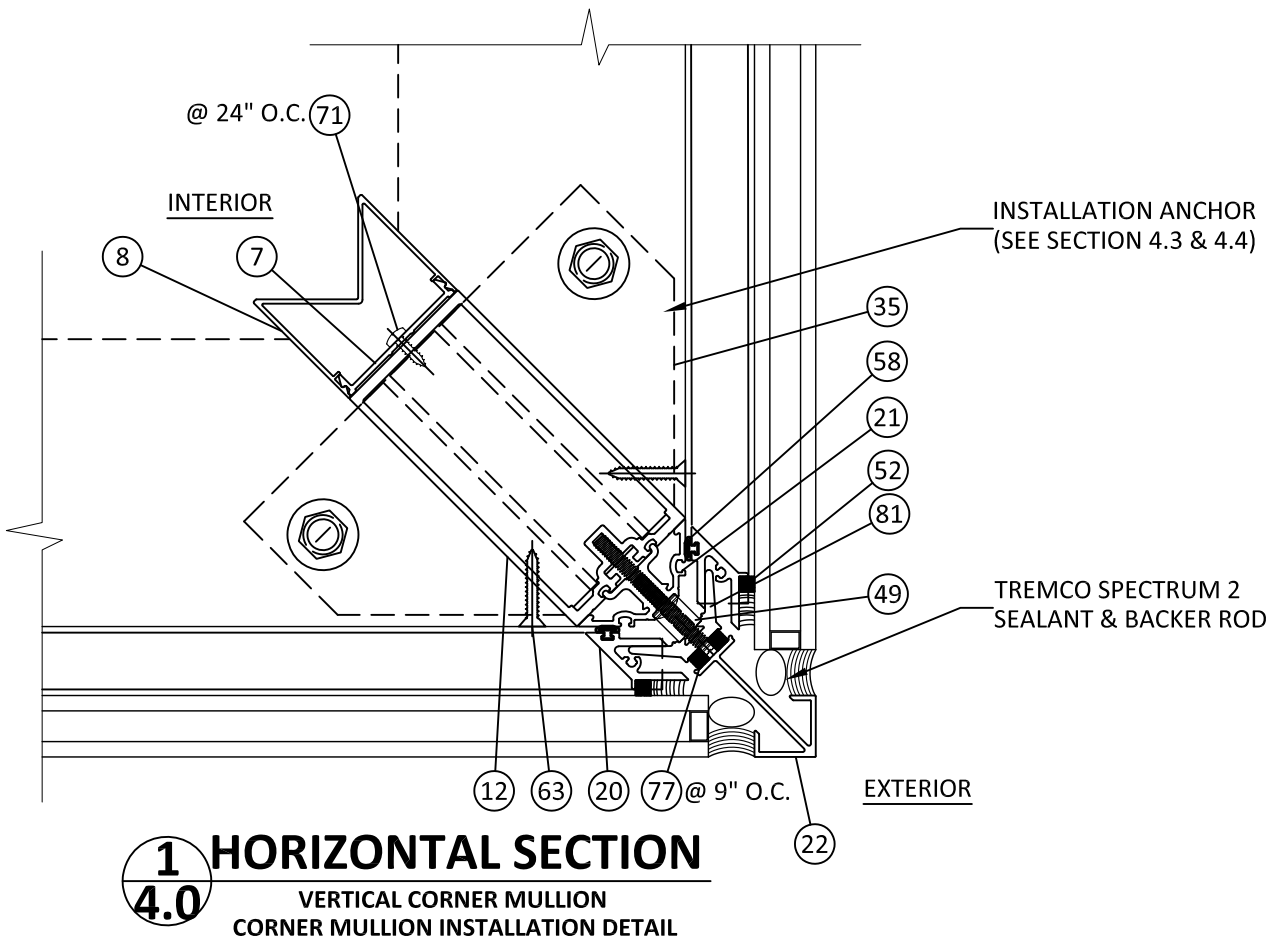
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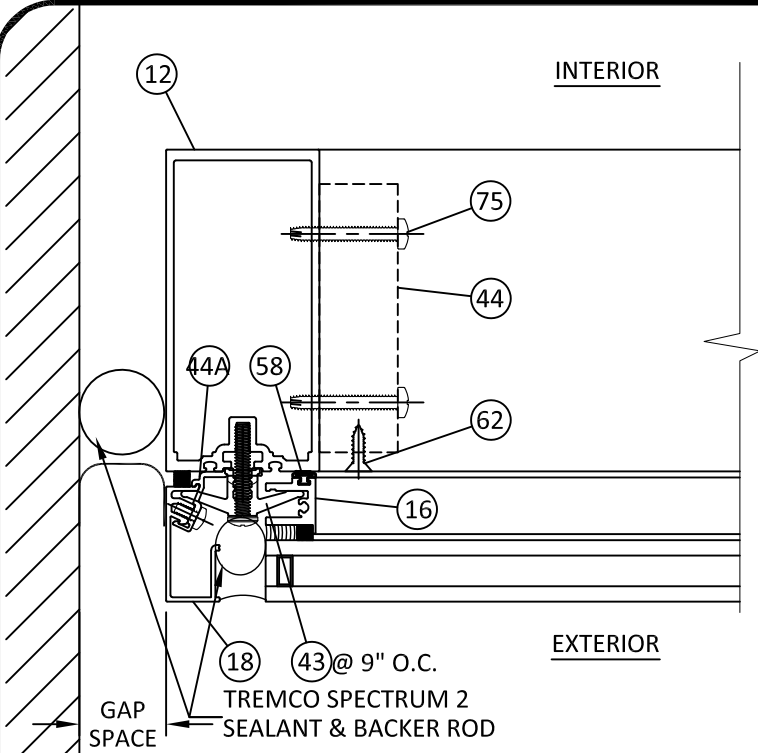
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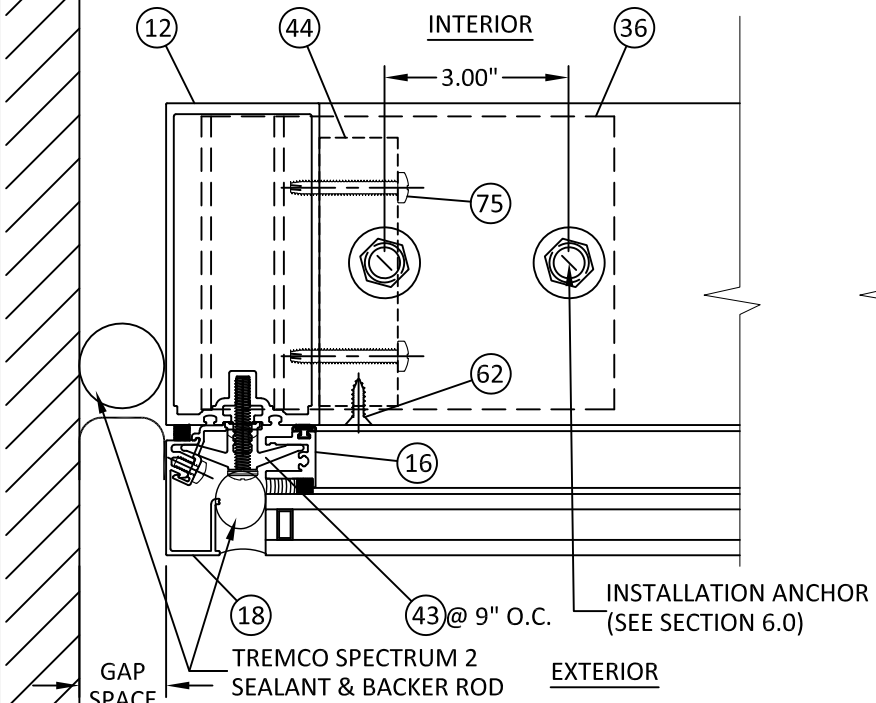


SEE SECTION 5.0 FOR
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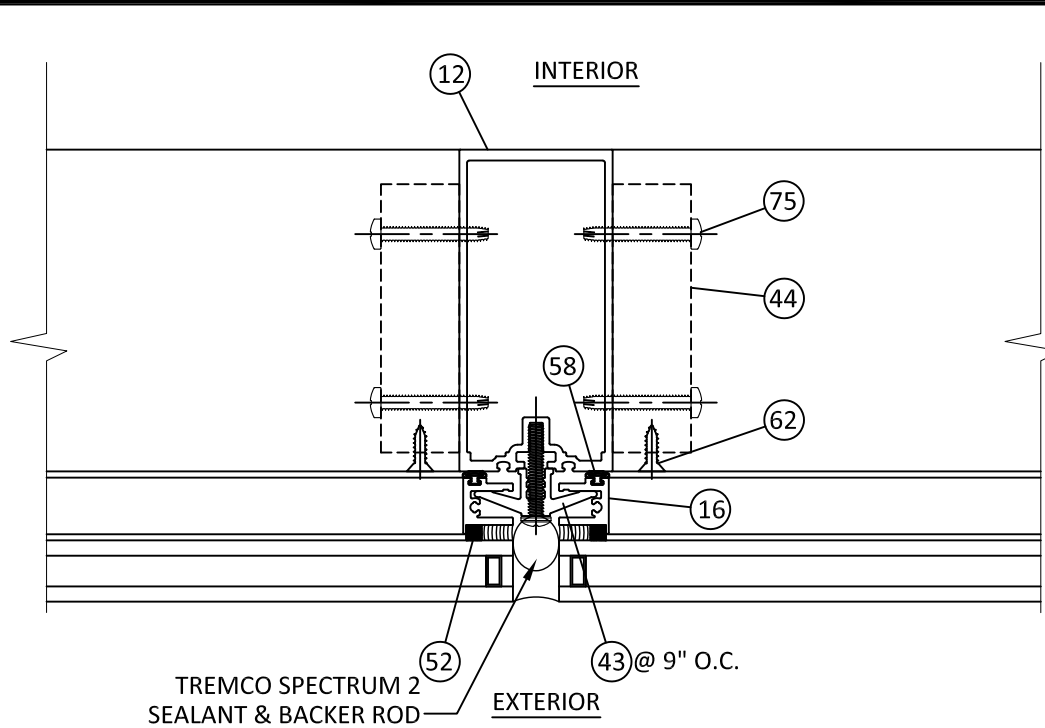
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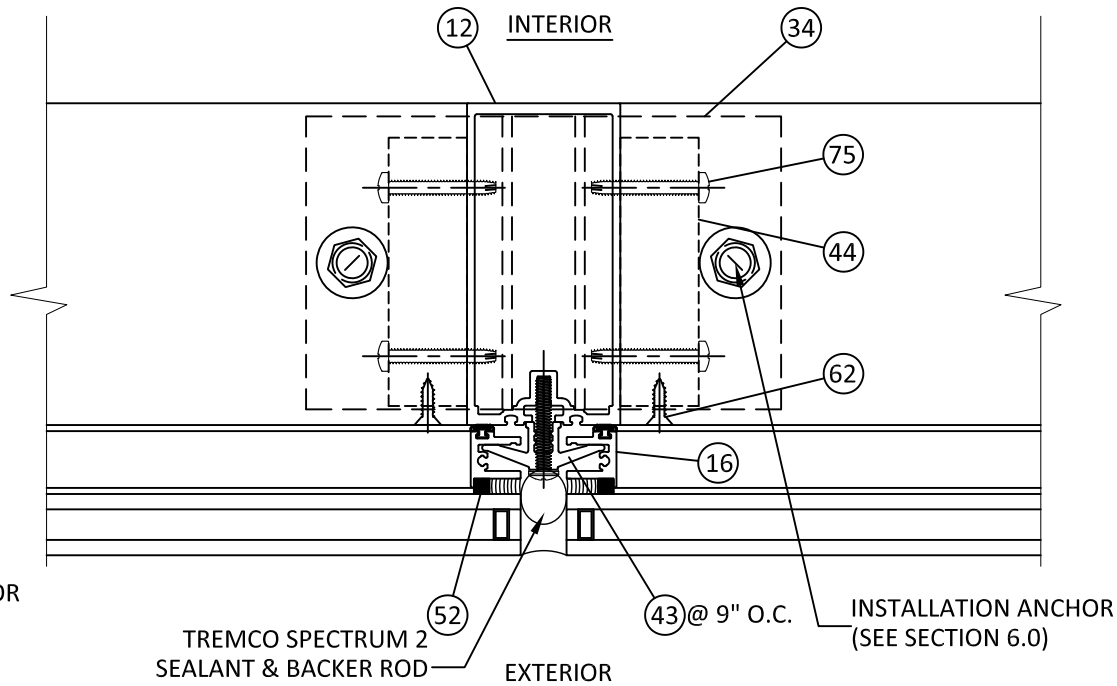
1 HORIZONTAL SECTION
4.1 JAMB MULLION TYPICAL



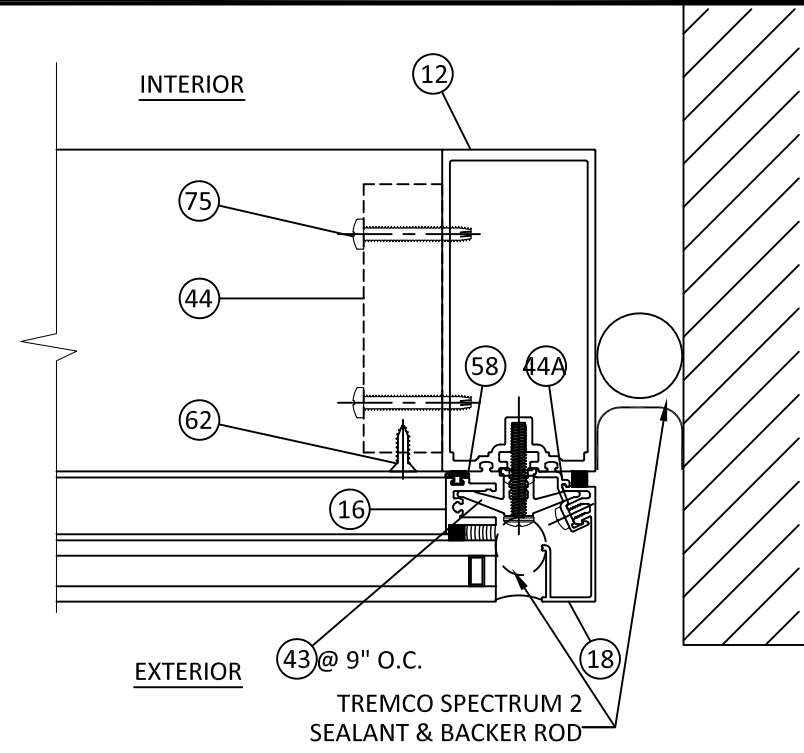
4 HORIZONTAL SECTION
4.1 F-CLIP AT JAMB MULLION TYPICAL



2 HORIZONTAL SECTION
4.1 VERTICAL MULLION TYPICAL



5 HORIZONTAL SECTION
4.1 T-CLIP AT VERTICAL MULLION TYPICAL



3 HORIZONTAL SECTION
4.1 JAMB MULLION TYPICAL

SEE SECTION 5.0 FOR QUALIFIED GLAZING OPTIONS

MAX. DESIGN PRESSURE	MIN. GAP SPACE	MAX. GAP SPACE
+/- 100 PSF	1/2"	1"



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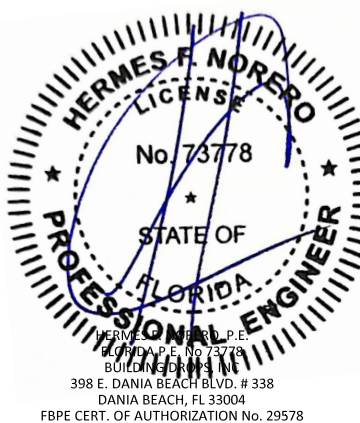
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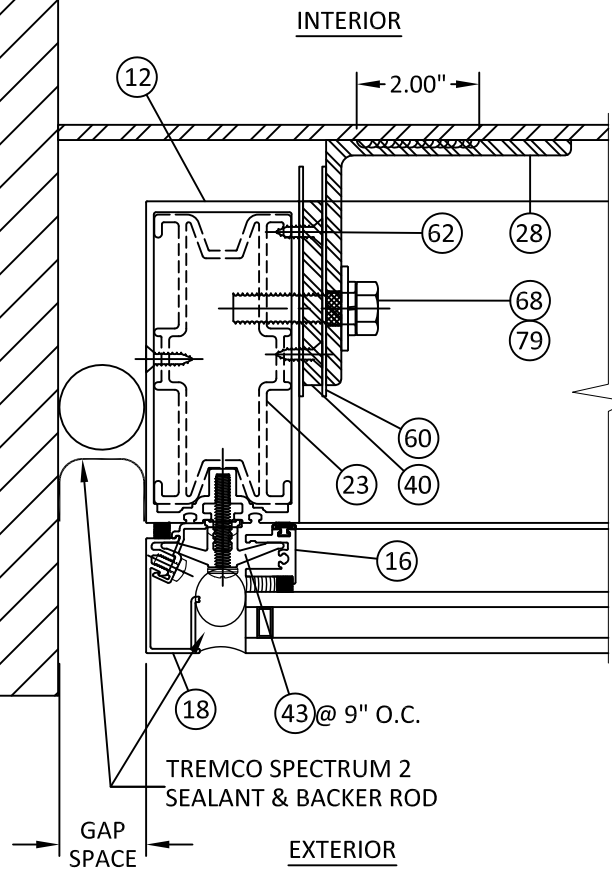
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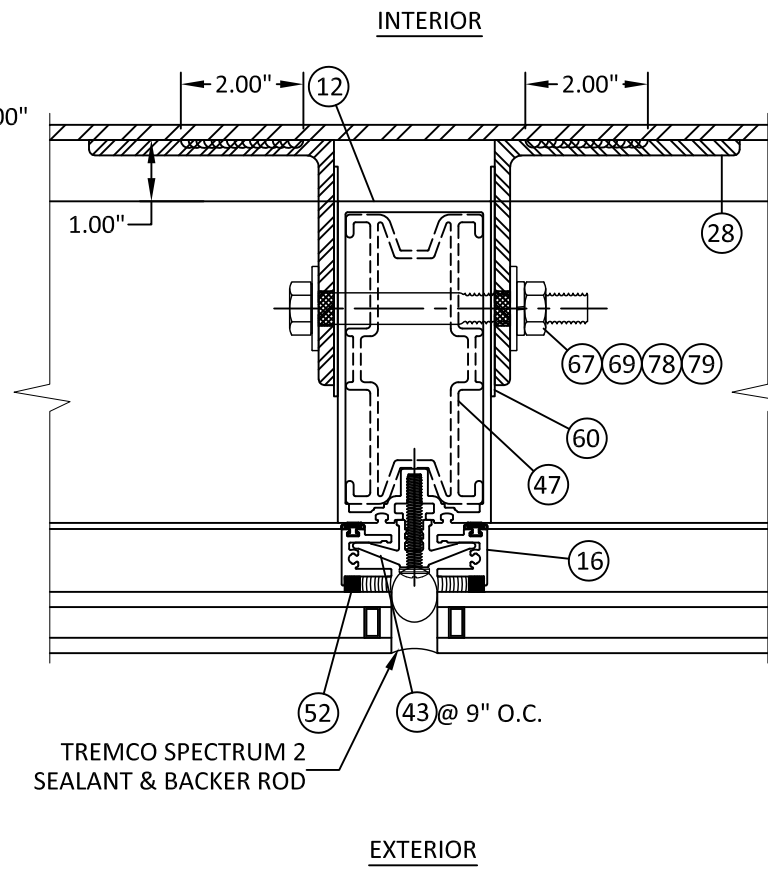
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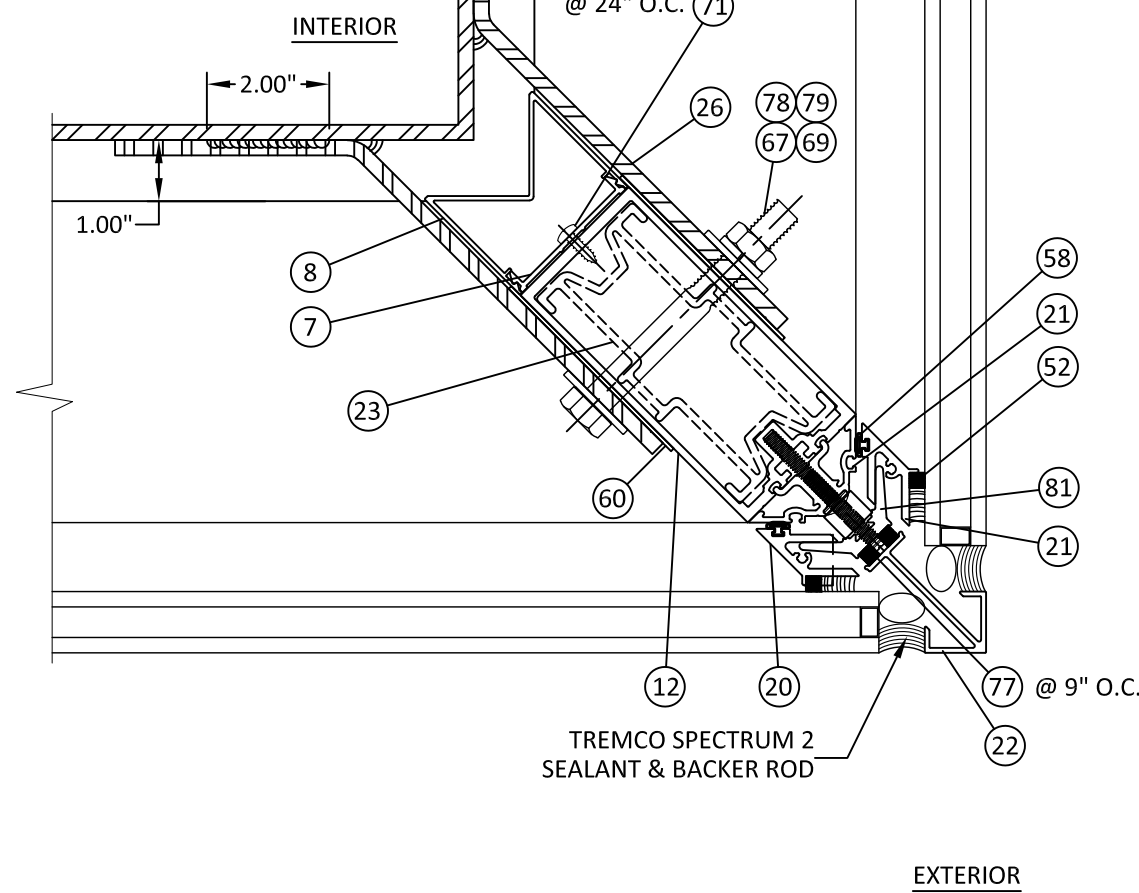


1 **HORIZONTAL SECTION**
4.2 **JAMB MULLION**
JAMB WIND LOAD ANCHOR



2 **HORIZONTAL SECTION**
4.2 **VERTICAL MULLION**
VERTICAL MULLION WIND LOAD ANCHOR

MAX. DESIGN PRESSURE	MIN. GAP SPACE	MAX. GAP SPACE
+/- 100 PSF	1/2"	1"



3 **HORIZONTAL SECTION**
4.2 **VERTICAL CORNER MULLION**
CORNER WIND LOAD ANCHOR

SEE SECTION 5.0 FOR
QUALIFIED GLAZING
OPTIONS

SEE SECTION 6.0 FOR
WIND LOAD ANCHOR
DETAILS.



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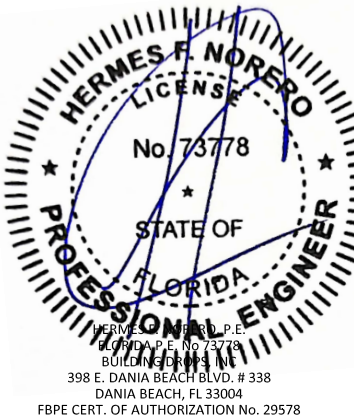
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SINGLE SPAN DESIGN PRESSURE TABLE

DESIGN PRESSURE TABLE: SINGLE SPAN		
BAY WIDTH 'W'	MULLION SPAN 'H'	DESIGN PRESSURE (PSF)
3'-0"	8'-6"	100.0
3'-6"		87.4
4'-0"		76.5
4'-6"		68.0
5'-0"		61.2
5'-6"		55.6
6'-0"		51.0
3'-0"	9'-0"	96.3
3'-6"		82.5
4'-0"		72.2
4'-6"		64.2
5'-0"		57.8
5'-6"		52.5
6'-0"		48.1
3'-0"	9'-6"	91.2
3'-6"		78.2
4'-0"		68.4
4'-6"		60.8
5'-0"		54.7
5'-6"		49.8
6'-0"		45.6
3'-0"	10'-0"	86.7
3'-6"		74.3
4'-0"		65.0
4'-6"		57.8
5'-0"		52.0
5'-6"		47.3
6'-0"		43.3
3'-0"	10'-6"	82.5
3'-6"		70.7
4'-0"		61.9
4'-6"		55.0
5'-0"		49.5
5'-6"		45.0
6'-0"		41.3
3'-0"	11'-0"	78.8
3'-6"		67.5
4'-0"		59.1
4'-6"		52.5
5'-0"		47.3
5'-6"		43.0
6'-0"		39.4
3'-0"	11'-6"	75.4
3'-6"		64.6
4'-0"		56.5
4'-6"		50.2
5'-0"		45.2
5'-6"		41.1
6'-0"		37.7

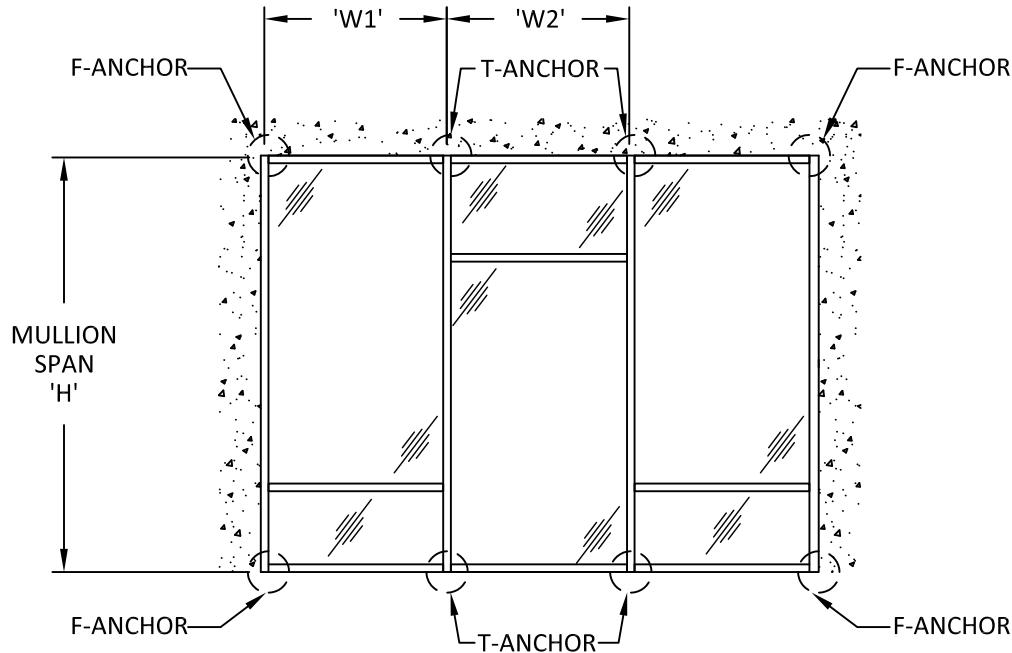
- NOTES:
- TABULATED DESIGN PRESSURE VALUES ARE BASED ON LIMITATIONS OF DEFLECTION, FIBERSTRESS, END REACTION, AND ANCHOR CAPACITY FOR GIVEN COMBINATIONS OF MULLION SPAN ('H') AND MULLION SPACING ('W').
 - DESIGN PRESSURES SHALL BE READ AS BOTH POSITIVE AND NEGATIVE PRESSURES.
 - SYSTEM IS RATED FOR WATER INFILTRATION UP TO A POSITIVE DESIGN PRESSURE OF 100 PSF.
 - FOR SITE CONDITIONS NOT SPECIFICALLY SHOWN IN THE DETAILS HEREIN FURTHER ENGINEERING MAY BE REQUIRED ON A CASE BY CASE BASIS.

DESIGN PRESSURE TABLE: SINGLE SPAN		
BAY WIDTH 'W'	MULLION SPAN 'H'	DESIGN PRESSURE (PSF)
3'-0"	12'-0"	72.2
3'-6"		61.9
4'-0"		54.2
4'-6"		48.1
5'-0"		43.3
5'-6"		39.4
6'-0"		36.1
3'-0"	12'-6"	69.3
3'-6"		59.4
4'-0"		52.0
4'-6"		46.2
5'-0"		41.6
5'-6"		37.8
6'-0"		34.7
3'-0"	13'-0"	66.7
3'-6"		57.1
4'-0"		50.0
4'-6"		44.4
5'-0"		40.0
5'-6"		36.4
6'-0"		33.3
3'-0"	13'-6"	59.5
3'-6"		51.0
4'-0"		44.6
4'-6"		39.7
5'-0"		35.7
5'-6"		32.5
6'-0"		29.8
3'-0"	14'-0"	53.4
3'-6"		45.8
4'-0"		40.0
4'-6"		35.6
5'-0"		32.0
5'-6"		29.1
6'-0"		26.7
3'-0"	14'-6"	48.0
3'-6"		41.2
4'-0"		36.0
4'-6"		32.0
5'-0"		28.8
5'-6"		26.2
6'-0"		24.0
3'-0"	15'-0"	43.4
3'-6"		37.2
4'-0"		32.5
4'-6"		28.9
5'-0"		26.0
5'-6"		23.7
6'-0"		21.7

ANCHOR SCHEDULE					
TYPE	DESCRIPTION	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MIN. C.C. SPACING (T-ANCHOR)	MIN. C.C. SPACING (F-ANCHOR)
A	3/8" Ø HILTI KWIK BOLT 3	2-1/2"	3"	6-1/4"	3"
B	1/2" Ø HILTI HAS SUPER ROD W/ HVU CAPSULE ADHESIVE	4-1/4"	6-3/4"	6-1/4"	N/A
C	1/2" Ø POWERS WEDGE BOLT	4"	3"	6-1/4"	3"
D	1/2" Ø ASTM A325 STEEL HH THREADED BOLT (DRILL & TAP)	(3) THREADS PENETRATION	7/8"	6-1/4"	3"

- NOTES:
- SEE SHEETS 5 & 7 FOR ANCHORING DIAGRAMS & DETAILS.
 - USE (2) ANCHORS PER CLIP BASED ON DATA ABOVE. IF ABOVE REQUIREMENTS CANNOT BE MET THEN FURTHER ENGINEERING IS REQUIRED TO DETERMINE ANCHOR CAPACITIES.
 - WHEN USING ANCHOR TYPE B WITH AN F-ANCHOR, USE ONLY ONE (1) ANCHOR IN CLIP CLOSEST TO VERTICAL MULLION.
 - EDGE DISTANCE IS MEASURED FROM SUBSTRATE EDGE TO CENTER OF ANCHOR IN THE DIRECTION OF THE LOAD

ANCHOR CLIP SCHEDULE				
TYPE	ANCHOR QUANTITY AT CLIP PER TYPE			
	TYPE A ANCHORS	TYPE B ANCHORS	TYPE C ANCHORS	TYPE D ANCHORS
F-ANCHOR	2	1	2	2
T-ANCHOR	2	2	2	2



SINGLE SPAN ANCHOR LAYOUT

MULLION SPACING OR BAY WIDTH, 'W'

$$W = \frac{W1 + W2}{2}$$



YKK AP America Inc

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

TITLE: YCW 750 SSG
SHOP GLAZED CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

HORIZONTAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.

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WEB: www.buildingdrops.com



REMARKS	BY	DATE
A. 5TH EDITION FBC UPDATE	MS	04.11.15
B. 7TH EDITION FBC UPDATE	ER	03.20.20
C. 2023 FBC CODE UPDATE	MS	04.28.23

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FL #:	FL15921
DATE:	08.21.12
DWG. BY:	JLA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK011
SECTION:	4.3

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TWIN SPAN DESIGN PRESSURE TABLE

DESIGN PRESSURE TABLE: TWIN SPAN		
BAY WIDTH 'W'	MULLION SPAN 'H'	DESIGN PRESSURE (PSF)
3'-0"	8'-6"	100.0
3'-6"		100.0
4'-0"		95.6
4'-6"		85.0
5'-0"		76.5
5'-6"		69.5
6'-0"		63.7
3'-0"	9'-0"	100.0
3'-6"		100.0
4'-0"		90.3
4'-6"		80.2
5'-0"		72.2
5'-6"		65.7
6'-0"		60.2
3'-0"	9'-6"	100.0
3'-6"		97.7
4'-0"		85.5
4'-6"		76.0
5'-0"		68.4
5'-6"		62.2
6'-0"		57.0
3'-0"	10'-0"	100.0
3'-6"		92.9
4'-0"		81.3
4'-6"		72.2
5'-0"		65.0
5'-6"		59.1
6'-0"		54.2
3'-0"	10'-6"	100.0
3'-6"		88.4
4'-0"		77.4
4'-6"		68.8
5'-0"		61.9
5'-6"		56.3
6'-0"		51.6
3'-0"	11'-0"	98.5
3'-6"		84.4
4'-0"		73.9
4'-6"		65.7
5'-0"		59.1
5'-6"		53.7
6'-0"		49.2
3'-0"	11'-6"	94.2
3'-6"		80.7
4'-0"		70.7
4'-6"		62.8
5'-0"		56.5
5'-6"		51.4
6'-0"		47.1

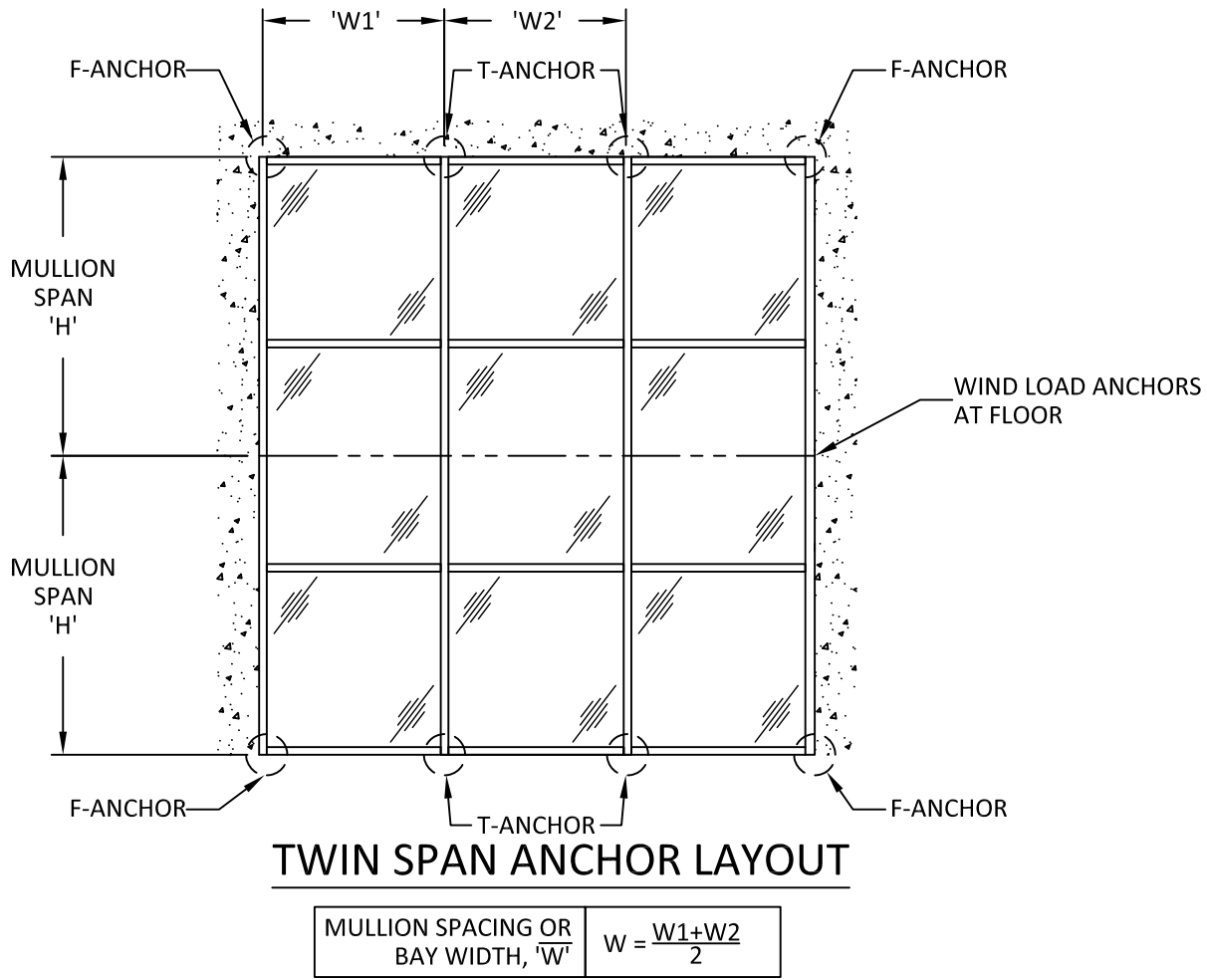
DESIGN PRESSURE TABLE: TWIN SPAN		
BAY WIDTH 'W'	MULLION SPAN 'H'	DESIGN PRESSURE (PSF)
3'-0"	12'-0"	90.3
3'-6"		77.4
4'-0"		67.7
4'-6"		60.2
5'-0"		54.2
5'-6"		49.2
6'-0"		45.1
3'-0"	12'-6"	86.7
3'-6"		74.3
4'-0"		65.0
4'-6"		57.8
5'-0"		52.0
5'-6"		47.3
6'-0"		43.3
3'-0"	13'-0"	83.3
3'-6"		71.4
4'-0"		62.5
4'-6"		55.6
5'-0"		50.0
5'-6"		45.5
6'-0"		41.7
3'-0"	13'-6"	80.2
3'-6"		68.8
4'-0"		60.2
4'-6"		53.5
5'-0"		48.1
5'-6"		43.8
6'-0"		40.1
3'-0"	14'-0"	77.4
3'-6"		66.3
4'-0"		58.0
4'-6"		51.6
5'-0"		46.4
5'-6"		42.2
6'-0"		38.7
3'-0"	14'-6"	74.7
3'-6"		64.0
4'-0"		56.0
4'-6"		49.8
5'-0"		44.8
5'-6"		40.8
6'-0"		37.4
3'-0"	15'-0"	72.2
3'-6"		61.9
4'-0"		54.2
4'-6"		48.1
5'-0"		43.3
5'-6"		39.4
6'-0"		36.1

- NOTES:
- TABULATED DESIGN PRESSURE VALUES ARE BASED ON LIMITATIONS OF DEFLECTION, FIBERSTRESS, END REACTION, AND ANCHOR CAPACITY FOR GIVEN COMBINATIONS OF MULLION SPAN ('H') AND MULLION SPACING ('W').
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 - SYSTEM IS RATED FOR WATER INFILTRATION UP TO A POSITIVE DESIGN PRESSURE OF 100 PSF.
 - FOR SITE CONDITIONS NOT SPECIFICALLY SHOWN IN THE DETAILS HEREIN FURTHER ENGINEERING MAY BE REQUIRED ON A CASE BY CASE BASIS.

ANCHOR SCHEDULE					
TYPE	DESCRIPTION	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MIN. C.C. SPACING (T-ANCHOR)	MIN. C.C. SPACING (F-ANCHOR)
A	3/8" Ø HILTI KWIK BOLT 3	2-1/2"	3"	6-1/4"	3"
B	1/2" Ø HILTI HAS SUPER ROD W/ HVU CAPSULE ADHESIVE	4-1/4"	6-3/4"	6-1/4"	N/A
C	1/2" Ø POWERS WEDGE BOLT	4"	3"	6-1/4"	3"
D	1/2" Ø ASTM A325 STEEL HH THREADED BOLT (DRILL & TAP)	(3) THREADS PENETRATION	7/8"	6-1/4"	3"

- NOTES:
- SEE SECTION 4.2 & 6.0 FOR ANCHORING DIAGRAMS & DETAILS.
 - USE (2) ANCHORS PER CLIP BASED ON DATA ABOVE. IF ABOVE REQUIREMENTS CANNOT BE MET THEN FURTHER ENGINEERING IS REQUIRED TO DETERMINE ANCHOR CAPACITIES.
 - WHEN USING ANCHOR TYPE B WITH AN F-ANCHOR, USE ONLY ONE (1) ANCHOR IN CLIP CLOSEST TO VERTICAL MULLION.
 - EDGE DISTANCE IS MEASURED FROM SUBSTRATE EDGE TO CENTER OF ANCHOR IN THE DIRECTION OF THE LOAD

ANCHOR CLIP SCHEDULE				
TYPE	ANCHOR QUANTITY AT CLIP PER TYPE			
	TYPE A ANCHORS	TYPE B ANCHORS	TYPE C ANCHORS	TYPE D ANCHORS
F-ANCHOR	2	1	2	2
T-ANCHOR	2	2	2	2



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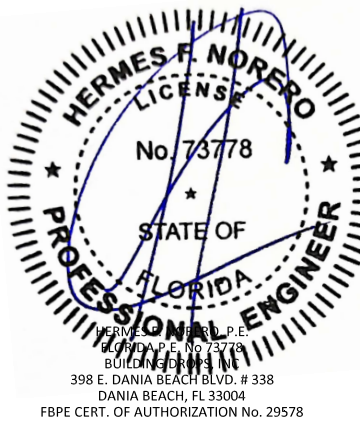
HORIZONTAL SECTIONS

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REMARKS	BY	DATE
A. 5TH EDITION FBC UPDATE	MS	04.11.15
B. 7TH EDITION FBC UPDATE	ER	03.20.20
C. 2023 FBC CODE UPDATE	MS	04.28.23

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FL #: FL15921

DATE: 08.21.12

DWG. BY: JLA
CHK. BY: HFN

SCALE: NTS

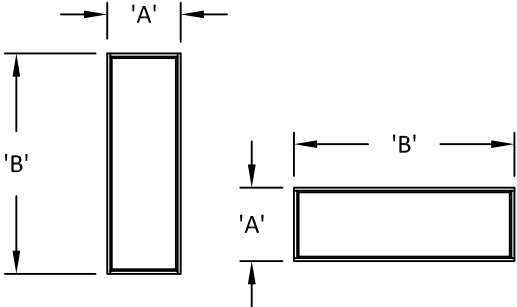
DWG. #: YKK011

SECTION:

4.4

[PAGE 9 of 15]

DESIGN PRESSURE TABLE: GLAZING CAPACITY		
DLO WIDTH 'A'	DLO HEIGHT 'B'	DESIGN PRESSURE (PSF)
30"	60"	100.0
	66"	100.0
	72"	100.0
	78"	100.0
	84"	100.0
	90"	100.0
	96"	100.0
	102"	100.0
	108"	100.0
	114"	100.0
36"	120"	100.0
	60"	100.0
	66"	100.0
	72"	100.0
	78"	100.0
	84"	100.0
	90"	100.0
	96"	100.0
	102"	100.0
	108"	100.0
42"	114"	100.0
	120"	100.0
	60"	100.0
	66"	100.0
	72"	100.0
	78"	100.0
	84"	100.0
	90"	100.0
	96"	100.0
	102"	100.0
48"	108"	94.4
	114"	90.3
	120"	86.7
	60"	100.0
	66"	100.0
	72"	100.0
	78"	100.0
	84"	100.0
	90"	100.0
	96"	100.0
	102"	98.0
	108"	90.5
	114"	84.8
	120"	78.1



PANEL DIMENSIONS

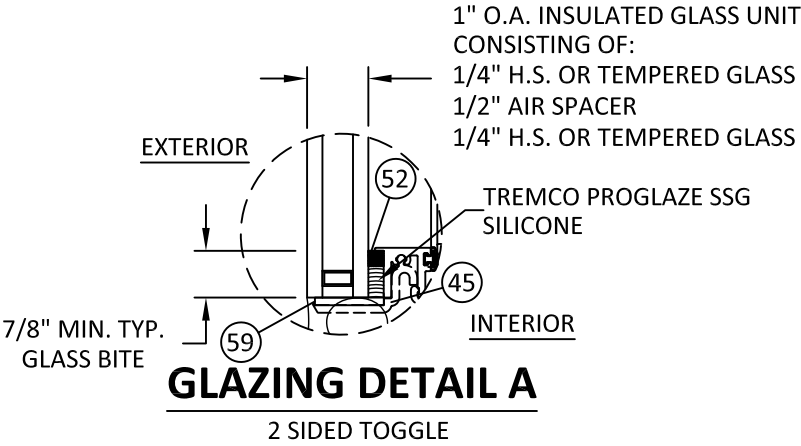
DESIGN PRESSURE TABLE: GLAZING CAPACITY		
DLO WIDTH 'A'	DLO HEIGHT 'B'	DESIGN PRESSURE (PSF)
54"	60"	100.0
	66"	100.0
	72"	100.0
	78"	100.0
	84"	100.0
	90"	100.0
	96"	100.0
	102"	98.1
	108"	91.0
	114"	85.0
60"	120"	78.5
	60"	100.0
	66"	100.0
	72"	100.0
	78"	100.0
	84"	100.0
	90"	100.0
	96"	100.0
	102"	97.1
	108"	90.9
	114"	85.0
	120"	79.7

NOTES:

- GLASS CAPACITIES ON SHEET 5.1 ARE BASED ON CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
- ALL GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE APPROVED SETTING BLOCKS PER CH. 24 OF CURRENT FBC.
- WHERE APPLICABLE, TEMPERED GLASS IS REQUIRED TO BE USED TO COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC CHAPTER 24.
- ALL TABULATED GLASS CAPACITIES ARE BASED ON HEAT STRENGTHENED GLASS.

NOTES:

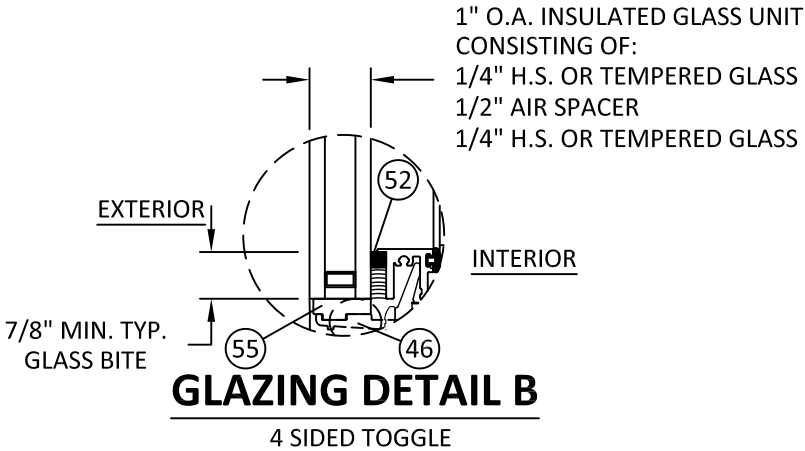
- CHART VALUES PROVIDE MAXIMUM DESIGN PRESSURES ACCORDING TO ASTM E1300 FOR GIVEN GLASS DIMENSIONS 'a' AND 'b' (a > b), AND CH. 17 OF THE FBC FOR SIZES OTHER THAN TESTED
- DO NOT EXCEED MULLION CAPACITY SELECTED OR ANCHOR CAPACITY IN DESIGN PRESSURE CHARTS



INTERCEPT STAINLESS STEEL OR TIN PLATED SPACER:
AROUND THE PERIMETER OF THE GLASS

PRIMARY SEALANT:
POLYISOBUTYLENE (PIB)

SECONDARY SEALANT:
STRUCTURAL SILICONE INTENDED FOR FABRICATION OF INSULATED GLASS UNITS.



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TITLE: YCW 750 SSG
SHOP GLAZED CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

GLAZING DETAILS & GLASS CAPACITY TABLE

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FL #:

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DATE: 08.21.12

DWG. BY: JLA

CHK. BY: HFN

SCALE: NTS

DWG. #: YKK011

SECTION:

5.0

[PAGE 10 of 15]

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F & T ANCHOR DETAILS

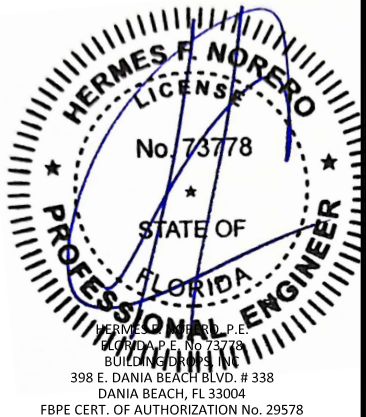
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HFN

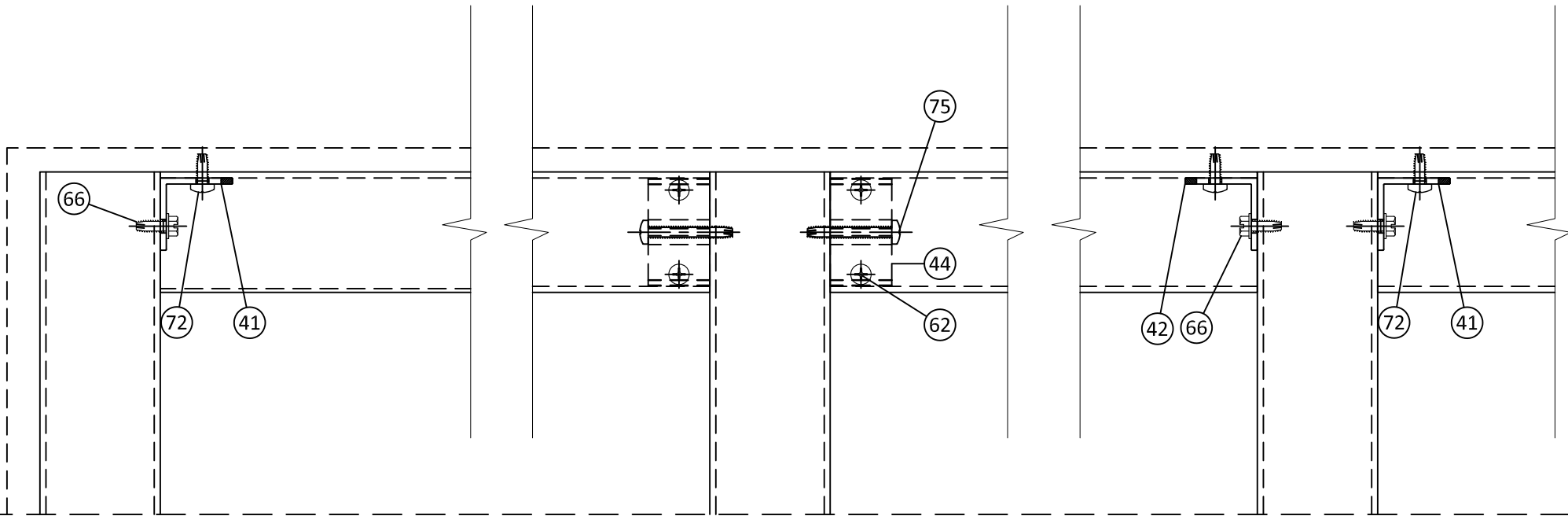
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DWG. #: **YKK011**

SECTION:

6.0

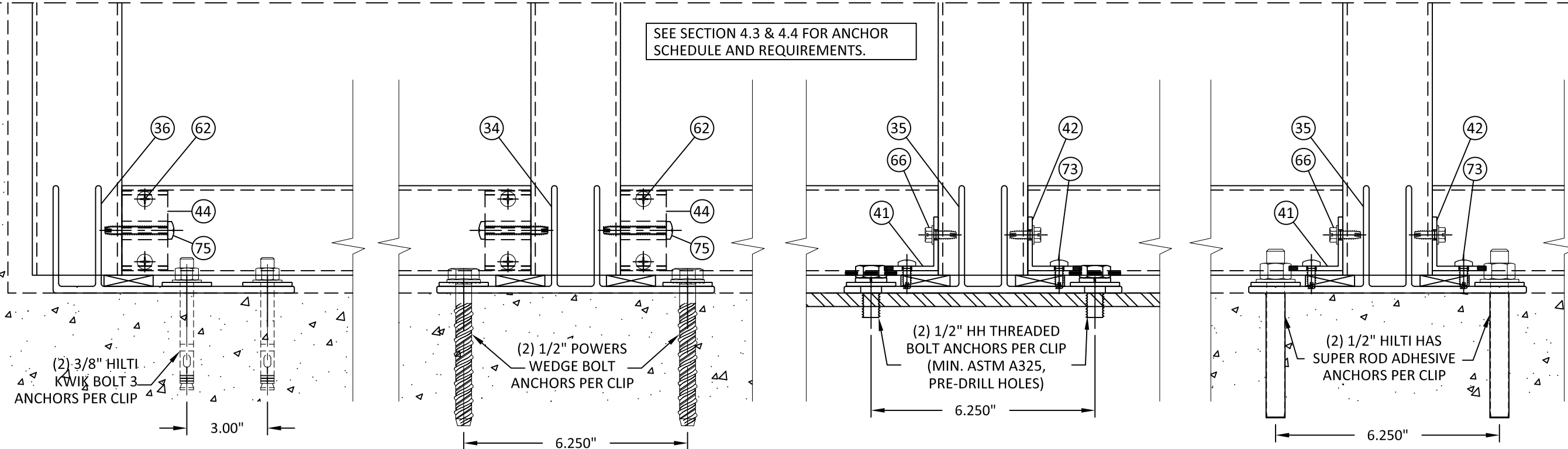
[PAGE 11 of 15]



SHEAR CLIP AT JAMB
TYPICAL

SHEAR BLOCK AT MULLION
TYPICAL

SHEAR CLIP AT CORNER
TUBULAR PROFILES



1
6.0
FRONT VIEW
F-ANCHOR AT JAMB
CONCRETE/MASONRY SUBSTRATES
(DETAIL SIMILAR AT HEAD & SILL)

2
6.0
FRONT VIEW
T-ANCHOR AT VERTICAL MULLION
CONCRETE/MASONRY SUBSTRATES
(DETAIL SIMILAR AT HEAD & SILL)

3
6.0
FRONT VIEW
T-ANCHOR AT CORNER MULLION
STEEL SUBSTRATES
(DETAIL SIMILAR AT HEAD & SILL)

4
6.0
FRONT VIEW
T-ANCHOR AT CORNER MULLION
CONCRETE/MASONRY SUBSTRATES
(DETAIL SIMILAR AT HEAD & SILL)

SEE SECTION 4.3 & 4.4 FOR ANCHOR
SCHEDULE AND REQUIREMENTS.

(2) 1/2" HH THREADED
BOLT ANCHORS PER CLIP
(MIN. ASTM A325,
PRE-DRILL HOLES)

(2) 1/2" HILTI HAS
SUPER ROD ADHESIVE
ANCHORS PER CLIP



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F & T ANCHOR DETAILS

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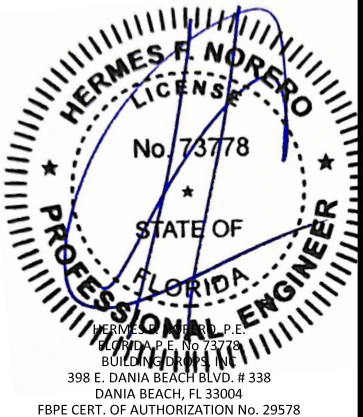
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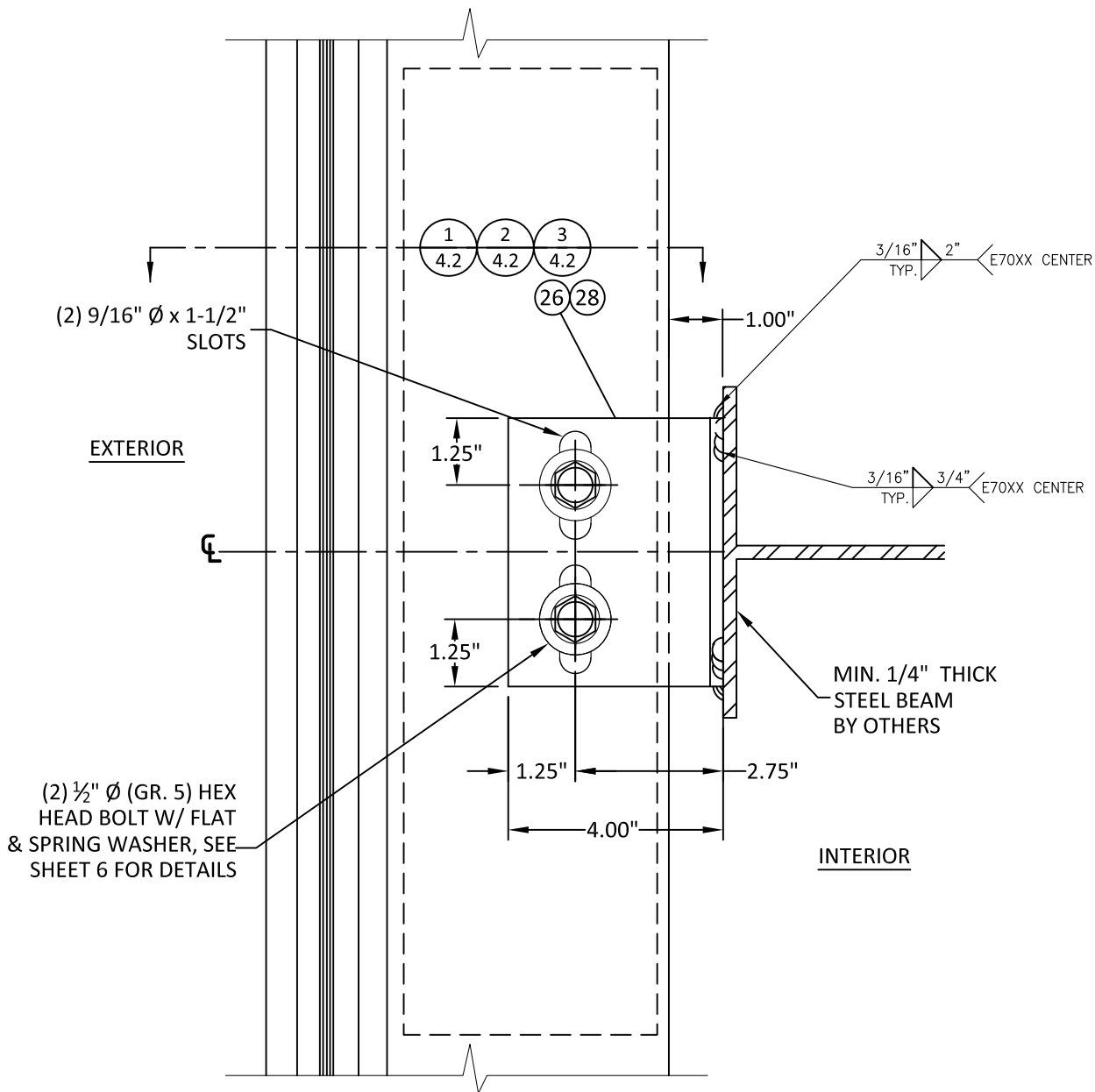
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DWG. #: YKK011

SECTION:

6.1

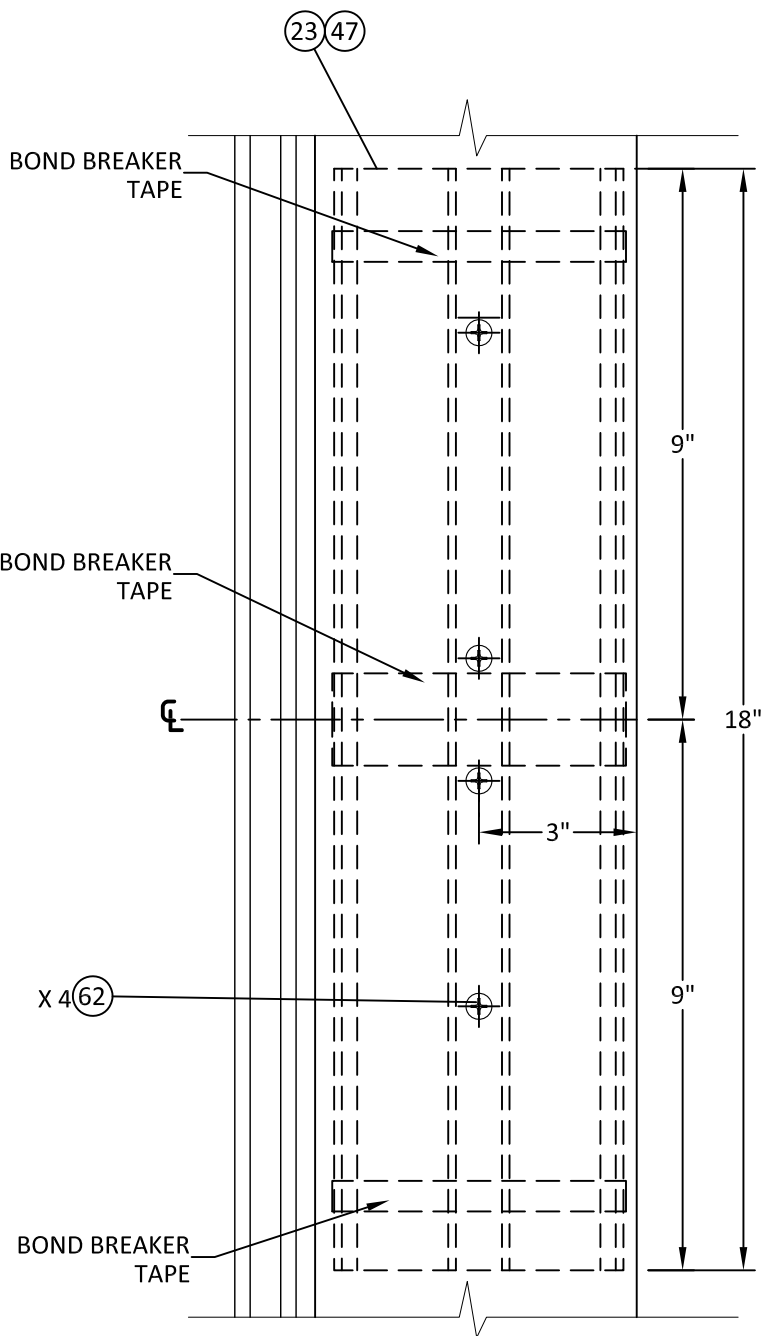
[PAGE 12 of 15]



1
6.1

SIDE VIEW

WIND LOAD ANCHOR, TYPICAL

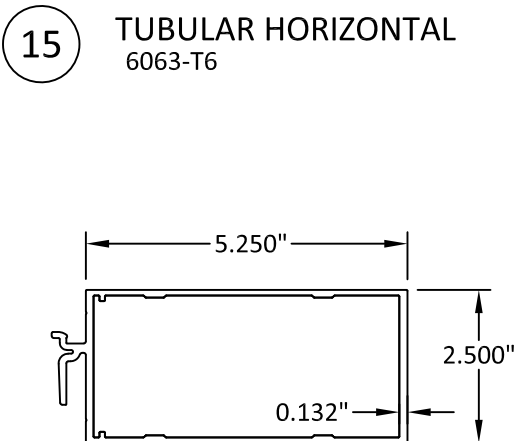
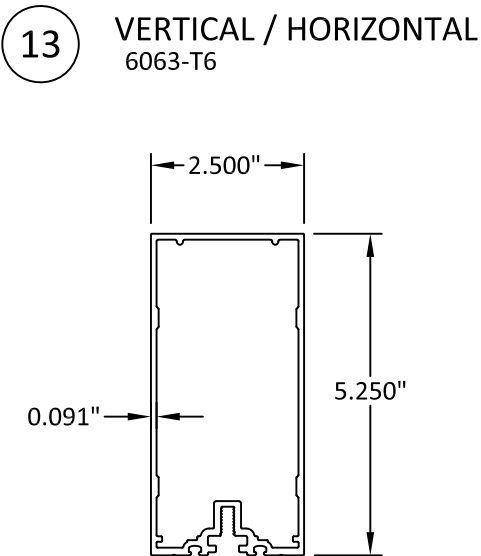
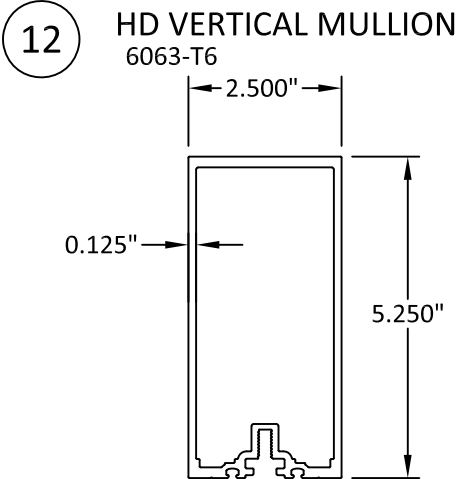
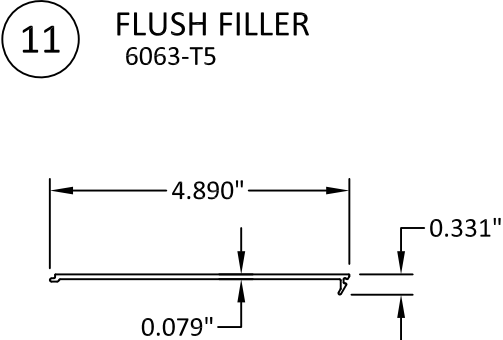
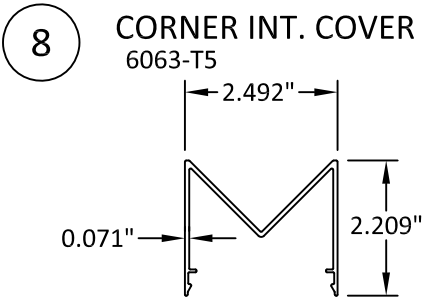
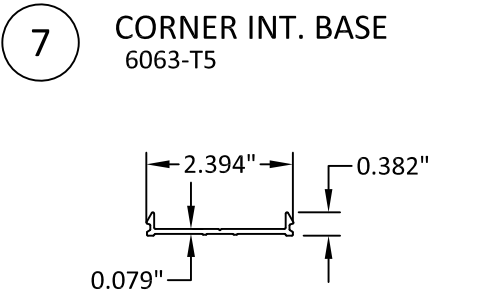


2
6.1

SIDE VIEW

SPLICE SLEEVE
TYPICAL

BILL OF MATERIALS				
ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	MANUFACTURER
7	E9-1280	CORNER INTERIOR BASE	6063-T5	YKK AP
8	E9-1281	CORNER INTERIOR COVER	6063-T5	YKK AP
11	E9-3162	FLUSH FILLER	6063-T5	YKK AP
12	E9-3401	HEAVY DUTY VERTICAL MULLION	6063-T6	YKK AP
13	E9-3402	VERTICAL / HORIZONTAL	6063-T6	YKK AP
14	E9-3403	OPEN BACK HEAD/SILL/HORIZONTAL	6063-T6	YKK AP
15	E9-3404	TUBULAR HORIZONTAL	6063-T6	YKK AP
16	E9-3405	PERIMETER CASSETTE	6063-T5	YKK AP
17	E9-3406	HORIZONTAL ADAPTOR	6063-T5	YKK AP
18	E9-3408	PERIMETER TRIM (SHOP)	6063-T5	YKK AP
20	E9-3412	CORNER PERIMETER CASSETTE	6063-T5	YKK AP
21	E9-3413	CORNER SSG MULLION ADAPTOR	6063-T5	YKK AP
22	E9-3414	CORNER TRIM	6063-T5	YKK AP
23	E9-3417	SPLICE SLEEVE PROFILE	6063-T5	YKK AP
26	E1-0191	CORNER WIND LOAD ANCHOR	STEEL	---
28	E1-1204	WIND LOAD ANCHOR	STEEL	---
29	E1-1205	DEAD LOAD ANCHOR	STEEL	---
30	E1-1208	VERTICAL "T" ANCHOR	6063-T5	YKK AP
34	E1-1222	VERTICAL "T" ANCHOR	6063-T5	YKK AP
35	E1-1222A	CORNER "T" ANCHOR	6063-T5	YKK AP
36	E1-1234	JAMB "F" ANCHOR	6063-T5	YKK AP
37	E1-1233	JAMB "F" ANCHOR	6063-T5	YKK AP
39	E1-3578	END CAP FOR PERIMETER TRIM (SHOP GLAZ)	ALUMINUM SHEET	---
40	E1-3536	JAMB ANCHOR PLATE	ALUMINUM SHEET	---
41	E1-3540A	RH SHEAR CLIP FOR 90° CORNER	6063-T5	YKK AP
42	E1-3540B	LH SHEAR CLIP FOR 90° CORNER	6063-T5	YKK AP
43	H-3541	TOGGLE BAR ASSEMBLY	6063-T5 & STAINLESS STEEL (FASTENER)	---
44	E1-3542	STANDARD SHEAR BLOCK	6063-T5	YKK AP
44A	E1-3543	PERIMETER TRIM CLIP	6063-T5	YKK AP
45	E1-3544	SETTING BLOCK CHAIR (2 SIDED TOGGLE)	6063-T5	YKK AP
46	E1-3546	SETTING BLOCK CHAIR (4 SIDED TOGGLE)	6063-T5	YKK AP
47	E1-3548	MULLION JOINT SLEEVE (5-1/4")	6063-T5	YKK AP
49	E1-3550	CORNER ALUMINUM SPACER	6061-T6	YKK AP
50	E2-0070	SILICONE SPLICE SLEEVE	SILICONE	---
52	E2-0110	GLAZING SPACER TAPE	POLYURETHANE	---
55	E2-0224	SETTING BLOCK (4 SIDED TOGGLE)	SILICONE (DUROMETER 85±5)	---
58	E2-0262	SSG CASSETTE GASKET (SHOP GLAZ)	SILICONE (DUROMETER 70±5)	---
59	E2-0513S	SETTING BLOCK (SILICONE)(2 SIDED TOGGLE)	SILICONE (DUROMETER 85±5)	---
60	E3-0103	NYLON SLIP PAD	NYLON	---
61	FC-1020	#10 X 1-1/4" FHSMS TYPE AB	ZINC PLATED STEEL	---
62	FC-1212	#12 X 3/4" FHSMS TYPE AB	ZINC PLATED STEEL	---
63	FC-1220	#12 X 1-1/4" FHSMS TYPE AB	ZINC PLATED STEEL	---
64	FC-1410	#14 X 5/8" FHSMS TYPE AB	ZINC PLATED STEEL	---
66	HF-2510-W1	1/4"-20 X 5/8" HWHS TYPE F	ZINC PLATED STEEL	---
67	HM-5000	1/2" - 13 NUT HHMS	ZINC PLATED STEEL	---
68	HM-5032	1/2"-13 X 2" GR 5 HWHMS	ZINC PLATED STEEL	---
69	HM-5072	1/2"-13 X 4 1/2" GR 5 HWHMS	ZINC PLATED STEEL	---
71	PC-1010	#10 X 5/8" PHSMS TYPE AB	ZINC PLATED STEEL	---
72	FC-1210	#12 X 1/2" PHSMS TYPE AB	ZINC PLATED STEEL	---
75	PF-2528	1/4"-20 X 1-3/4" LG TYPE F	ZINC PLATED STEEL	---
76	PM-1006-SS	#10-24 X 3/8" PHMS SS	STAINLESS STEEL	---
77	PM-2524-SS	1/4"-20 X 1-1/2" PHMS SS	STAINLESS STEEL	---
78	WS-5000	1/2" LOCK WASHER	ZINC PLATED STEEL	---
79	WW-5000	1/2" FLAT WASHER	ZINC PLATED STEEL	---
80	E3-0102	WEEP TUBE	SILICONE	---
81	E9-3411	90° OUTSIDE CORNER TOGGLE BAR	6063-T5	YKK AP



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

TITLE: YCW 750 SSG
SHOP GLAZED CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

BILL OF MATERIALS & COMPONENTS

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

REMARKS	BY	DATE
A. 5TH EDITION FBC UPDATE	MS	04.11.15
B. 7TH EDITION FBC UPDATE	ER	03.20.20
C. 2023 FBC CODE UPDATE	MS	04.28.23

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FL #:

FL15921

DATE: 08.21.12

DWG. BY: JLA

CHK. BY: HFN

SCALE: NTS

DWG. #: YKK011

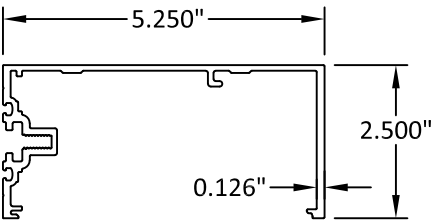
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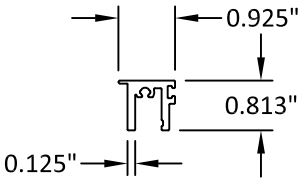
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OPEN BACK HEAD/SILL
6063-T6



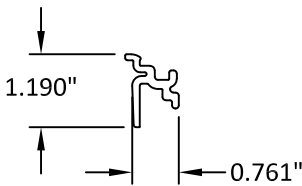
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PERIMETER CASSETTE
6063-T5



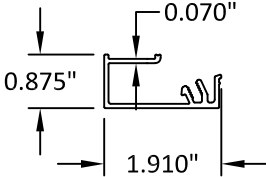
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HORIZONTAL ADAPTOR
6063-T5



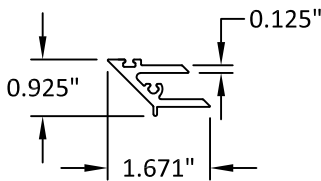
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PERIMETER TRIM
6063-T5



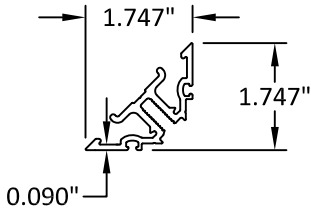
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CORNER PERIMETER CASSETTE
6063-T5



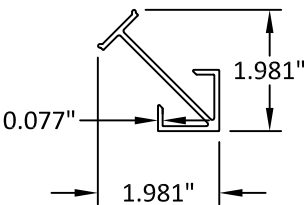
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CORNER GLAZING ADAPTOR
6063-T5



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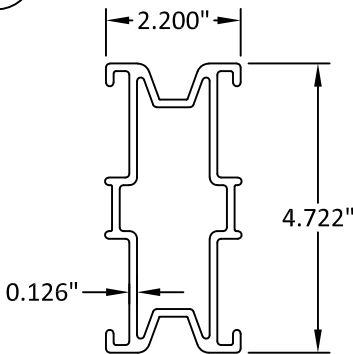
CORNER TRIM
6063-T5



23

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SPLICE SLEEVE PROFILE
6063-T5

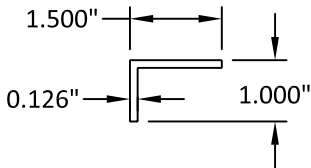


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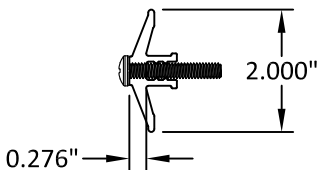
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SHEAR CLIP
6063-T5



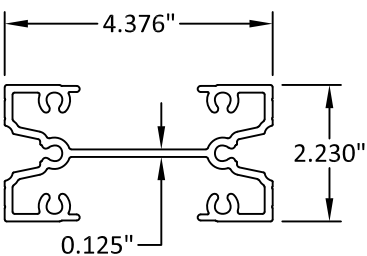
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TOGGLE BAR ASSEMBLY
6063-T5 & STAINLESS STEEL (FASTENER)



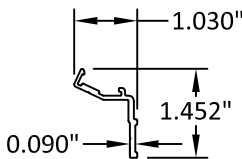
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SHEAR BLOCK
6063-T5



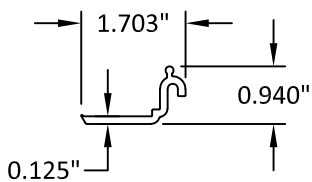
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PERIMETER TRIM CLIP
6063-T5



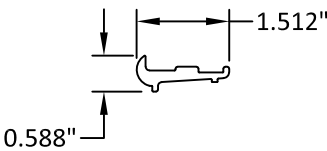
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SETTING BLOCK CHAIR
(2 SIDED TOGGLE) 6063-T5



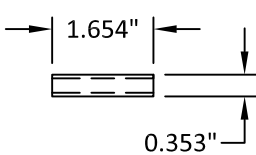
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SETTING BLOCK CHAIR
(4 SIDED TOGGLE) 6063-T5



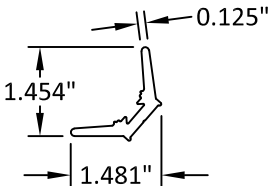
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WEEP TUBE
6063-T5



81

90° OUTSIDE CORNER TOGGLE BAR
6063-T5



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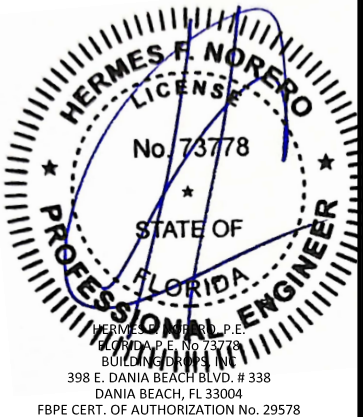
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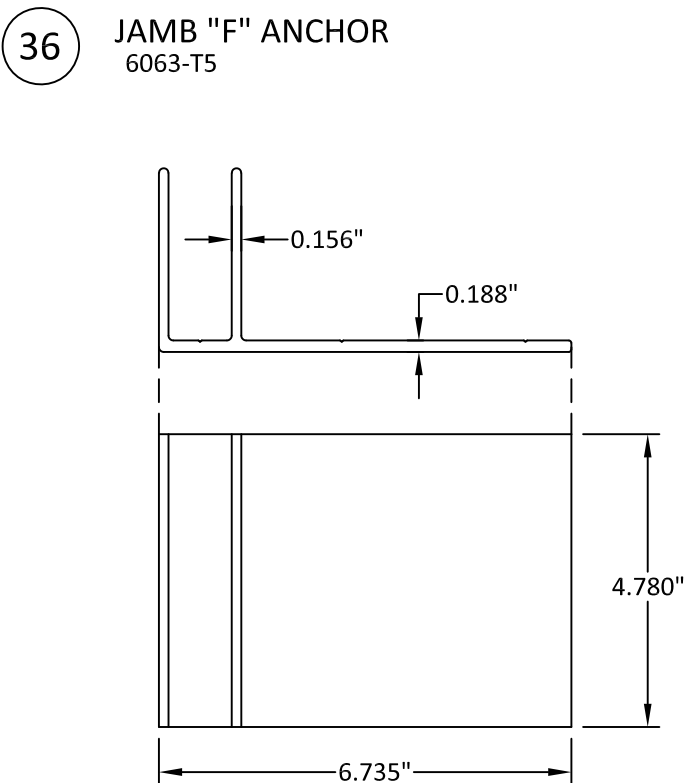
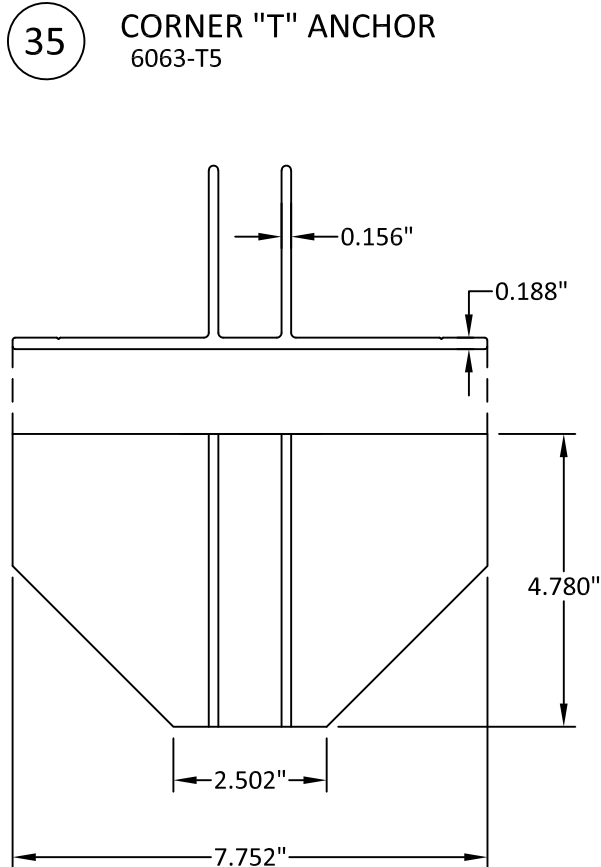
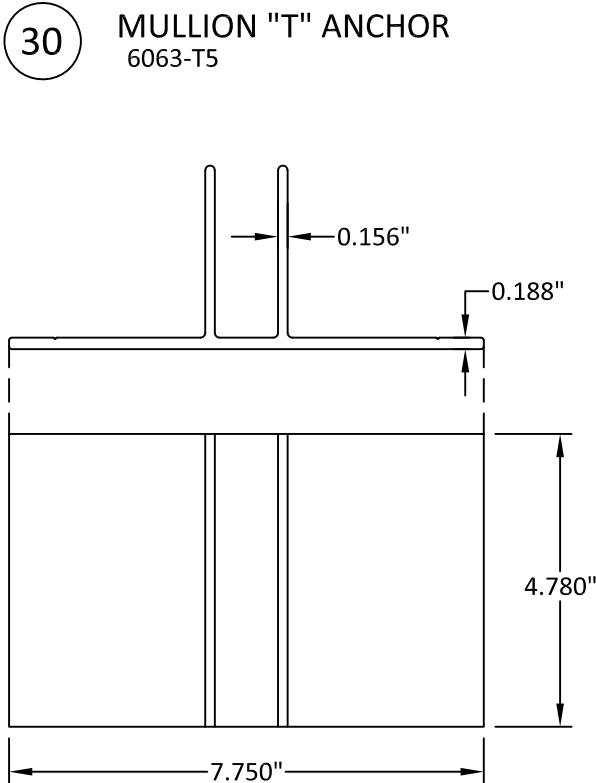
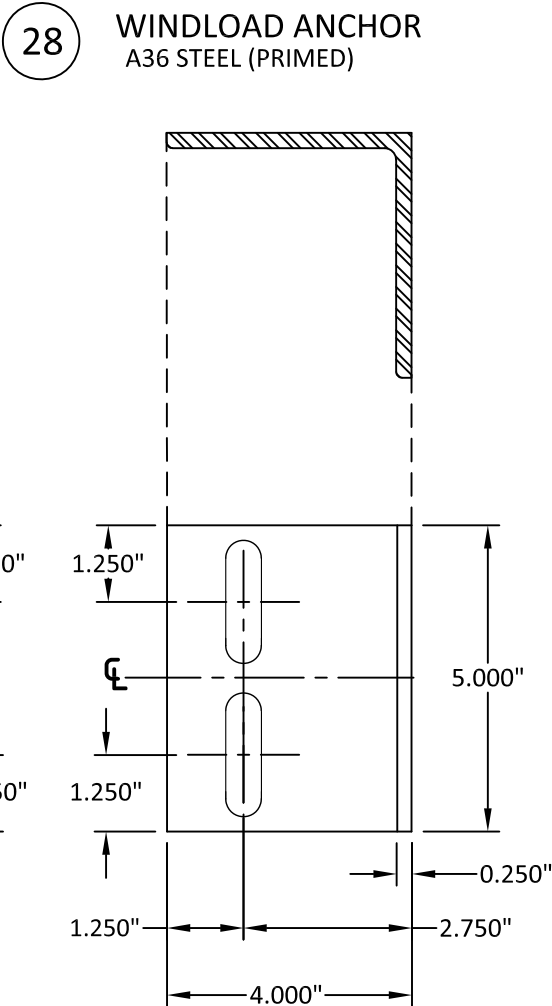
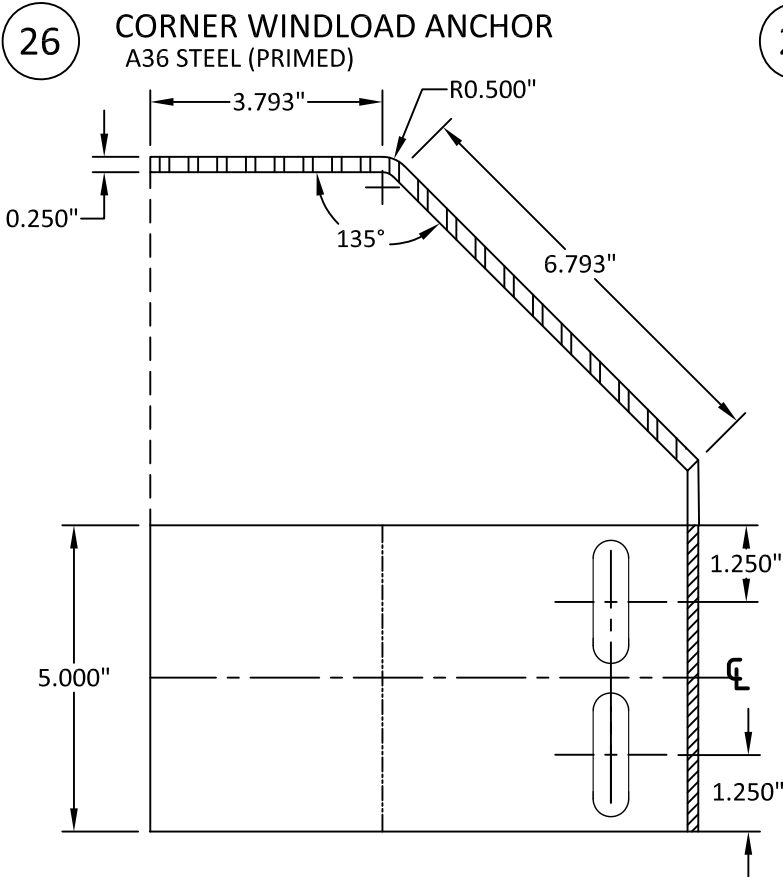


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DWG. BY:	JLA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK011
SECTION:	7.1



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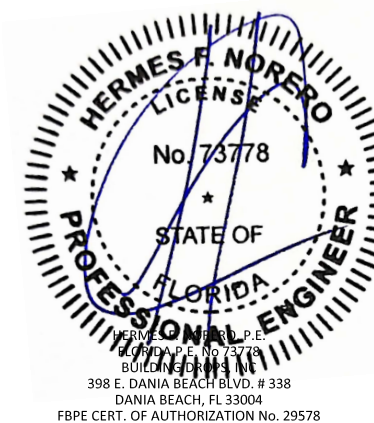
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SECTION:	7.2 [PAGE 15 of 15]