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YKK AP AMERICA, Inc.

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

INSTALLATION NOTES:

1.

THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
2.

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.
3.

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.
4.

USE 1/2" ASTM A325 STEEL HH THREADED BOLT ANCHORS (DRILL & TAP) THROUGH STEEL. SEE SECTION 4.3 & 4.4 FOR ANCHOR REQUIREMENTS.
5.

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.
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.
8.

INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A.

CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.

B.

STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 1/4 WALL THICKNESS.

GENERAL NOTES:

1.

THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ, AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

•

AAMA 501-15

•

ASTM E 283-19

•

ASTM E 330-14

•

ASTM E 331-00(16)
2.

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.
3.

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.
4.

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
5.

APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6.

FRAME MATERIAL: 6063-T5 & 6063-T6 ALUMINUM.
7.

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.
8.

GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SECTION 5.0 FOR GLAZING DETAILS.

TABLE OF CONTENTS	
SECTION	SECTION DESCRIPTION
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
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TITLE:
YCW 750 SSG
FIELD GLAZED CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

INSTALLATION & GENERAL NOTES

PREPARED BY:

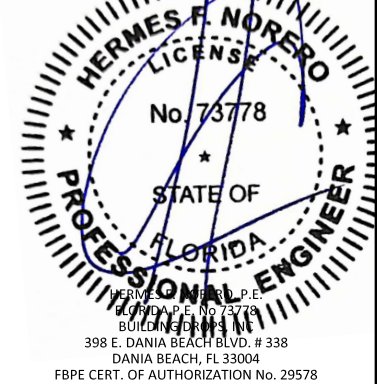
BUILDING DROPS, INC.

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REMARKS	BY	DATE
A. 5TH EDITION FBC UPDATE	MS	04.11.15
B. 7TH EDITION FBC UPDATE	MS	03.20.20
C. CORNER TRIM UPDATE	MS	01.21.22
D. 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 11:32:08 -04'00'



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SECTION:

1.0
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ELEVATION

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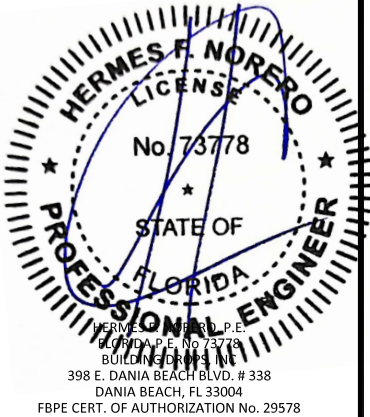
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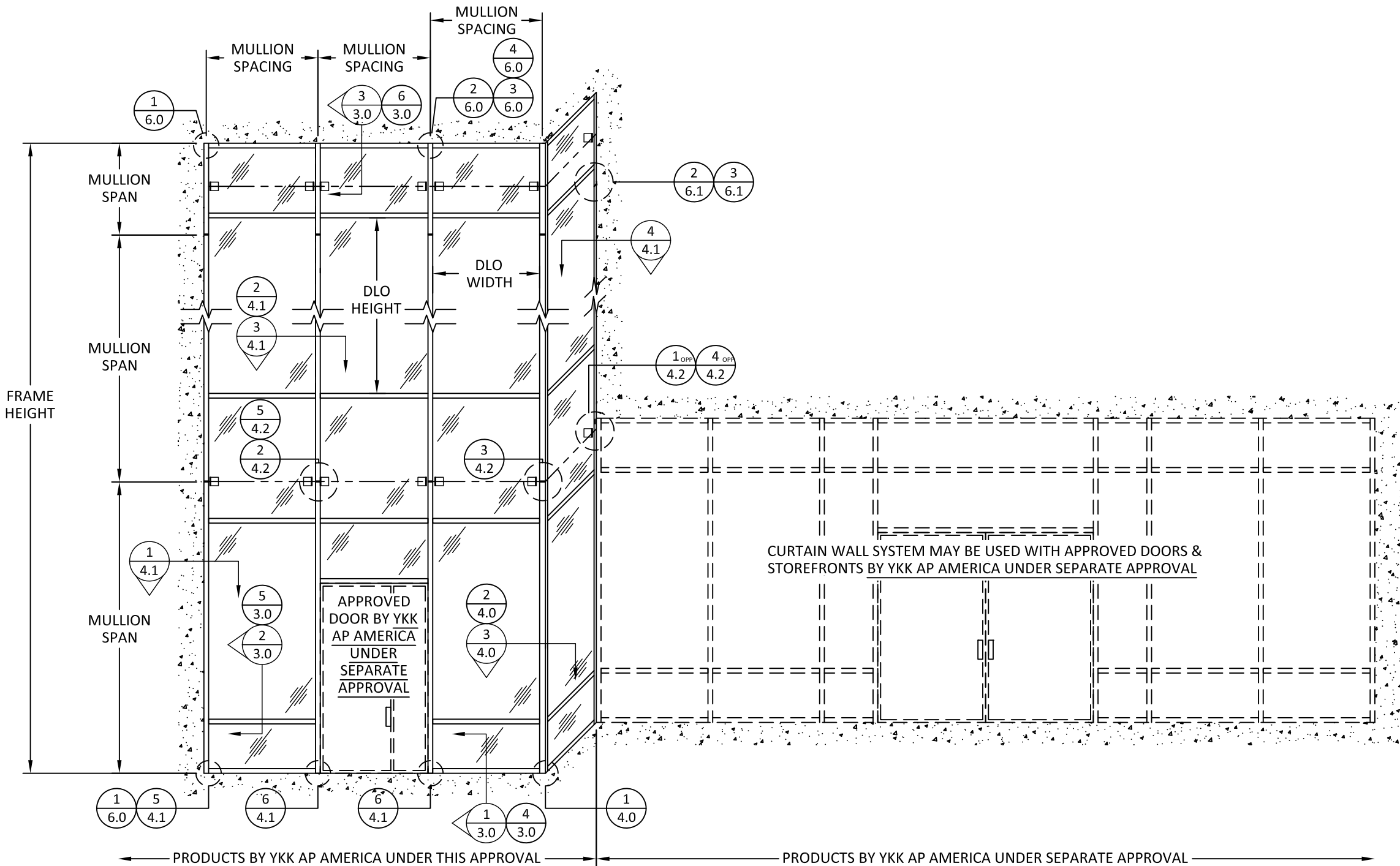
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ELEVATION

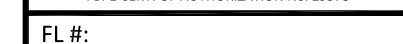
ELEVATION SHOWN IS FOR DIAGRAMMATIC PURPOSES ONLY.
VARIOUS CONFIGURATIONS ARE POSSIBLE USING THIS
APPROVAL AND DESIGN PRESSURE CHARTS WITHIN.

VERTICAL SECTIONS



BRI RING ROAD

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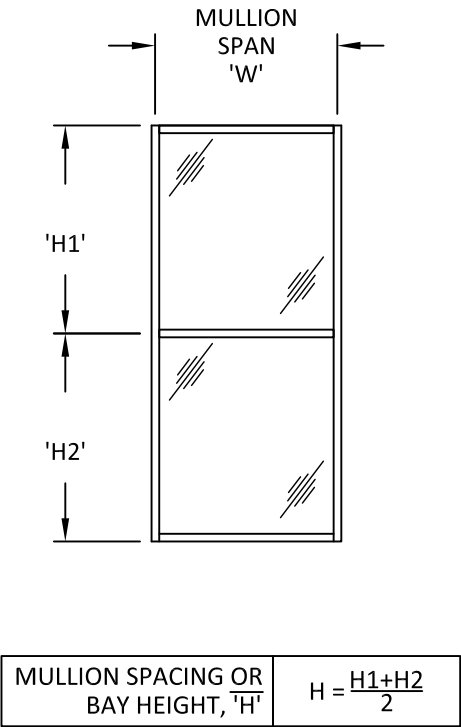
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[PAGE 3 of 15]



HORIZONTAL MULLION DESIGN PRESSURE TABLE

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
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

DESIGN PRESSURE TABLE: HORIZONTAL MULLION CAPACITY		
MULLION SPAN 'W'	BAY HEIGHT 'H'	DESIGN PRESSURE (PSF)
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



- 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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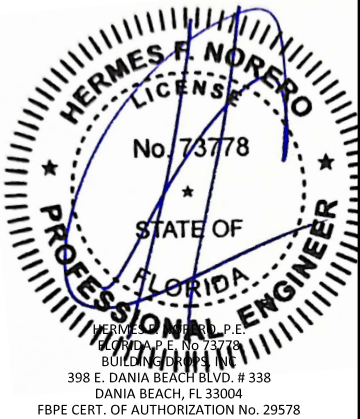
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FIELD GLAZED CURTAIN WALL
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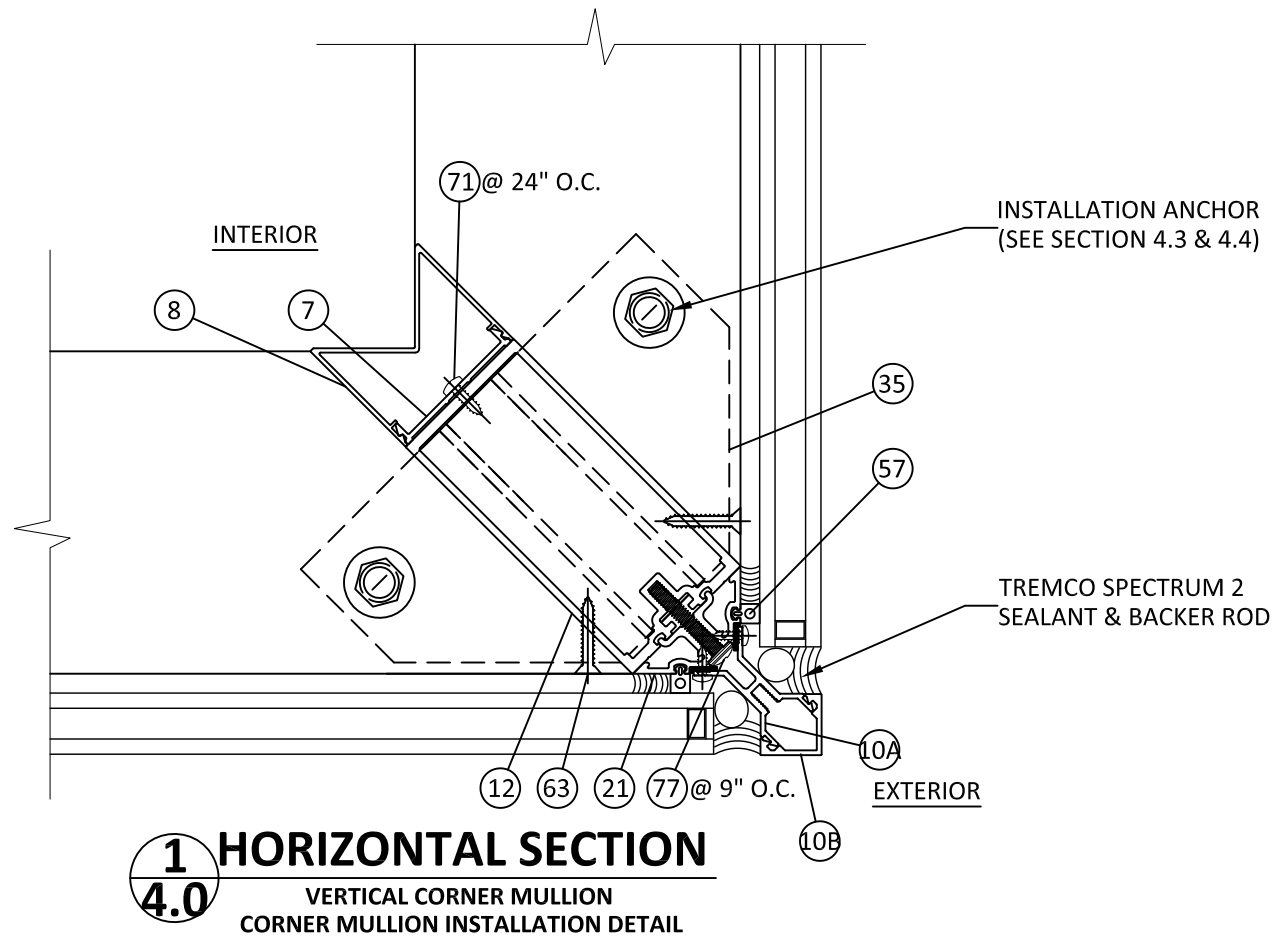
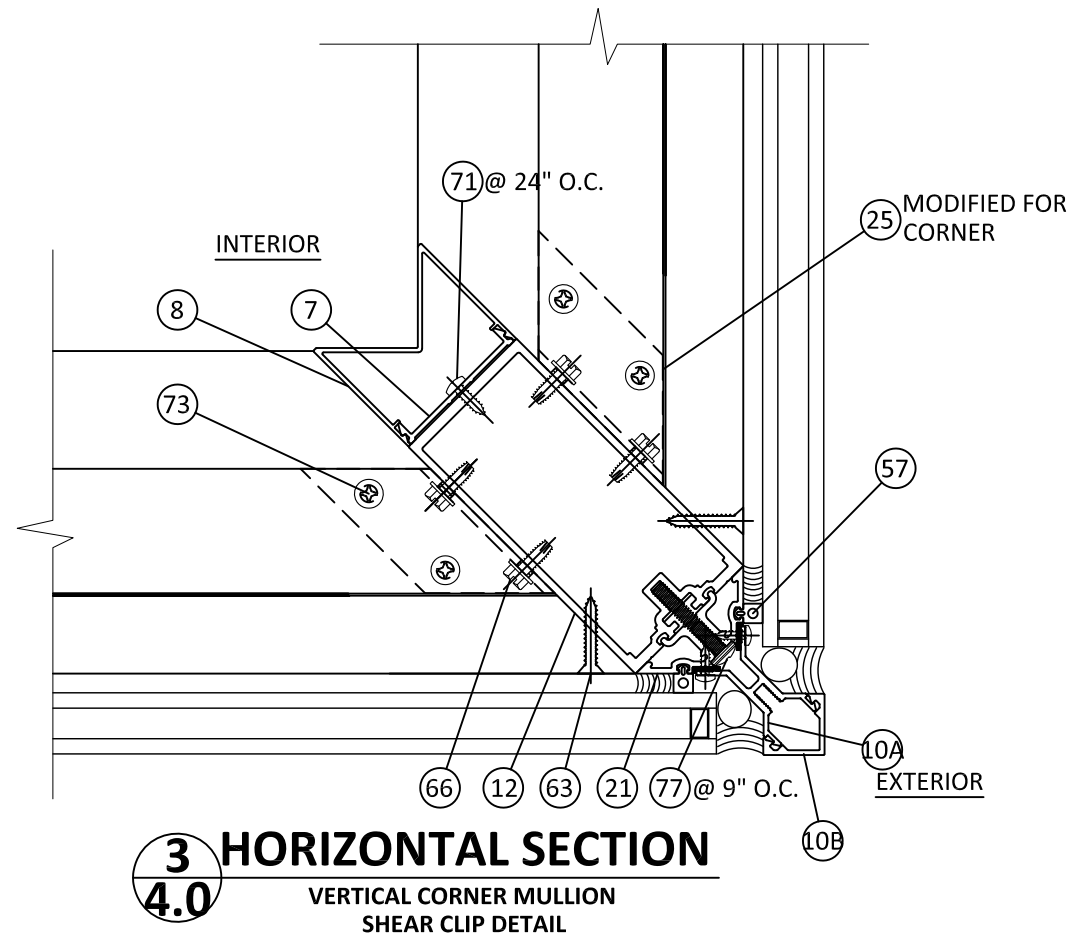
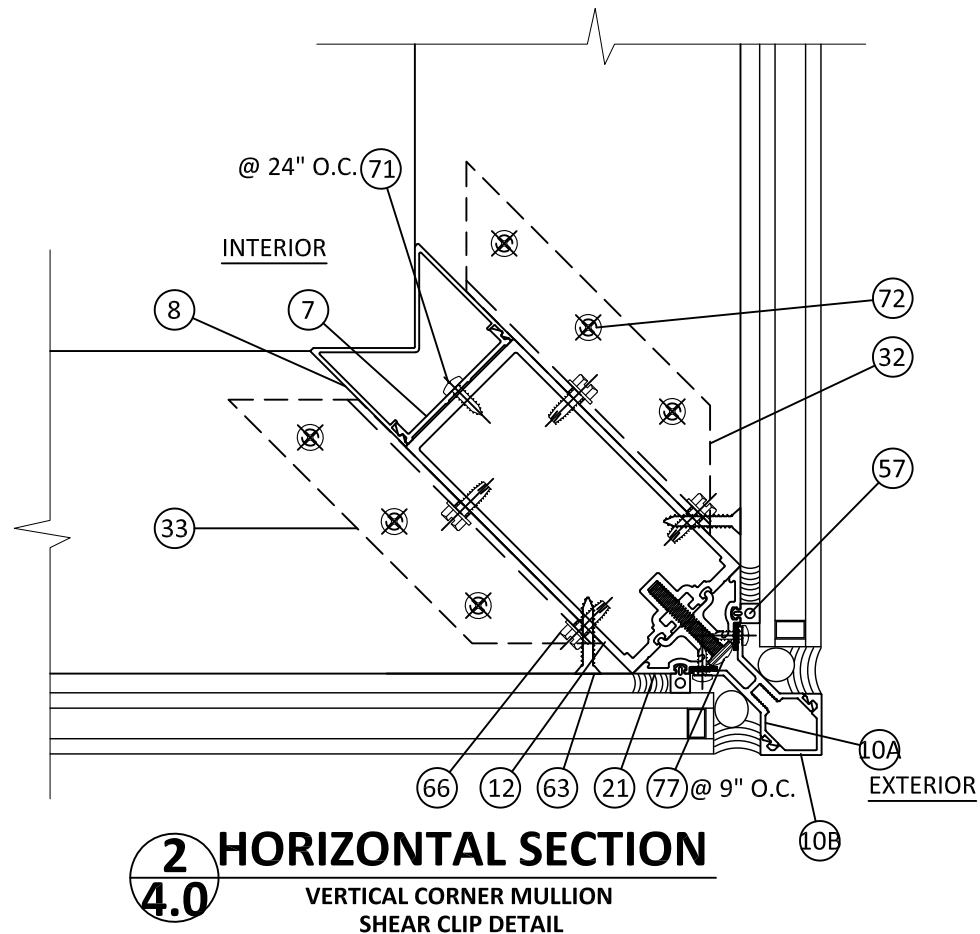
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SEE SECTION 5.0 FOR
QUALIFIED GLAZING
OPTIONS



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HORIZONTAL SECTIONS

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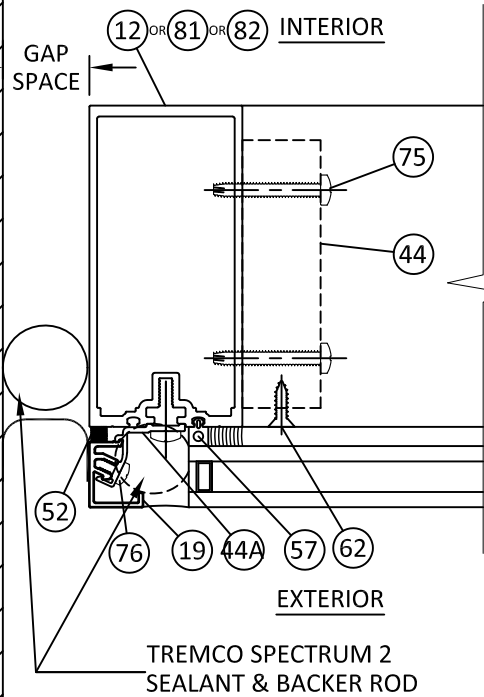
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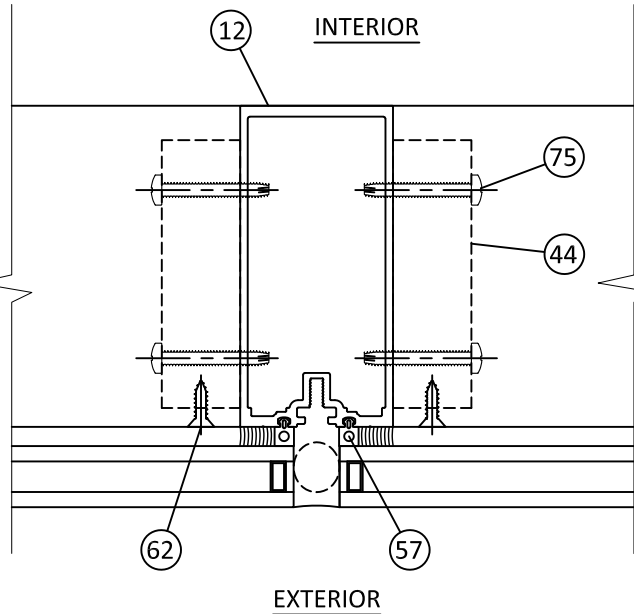
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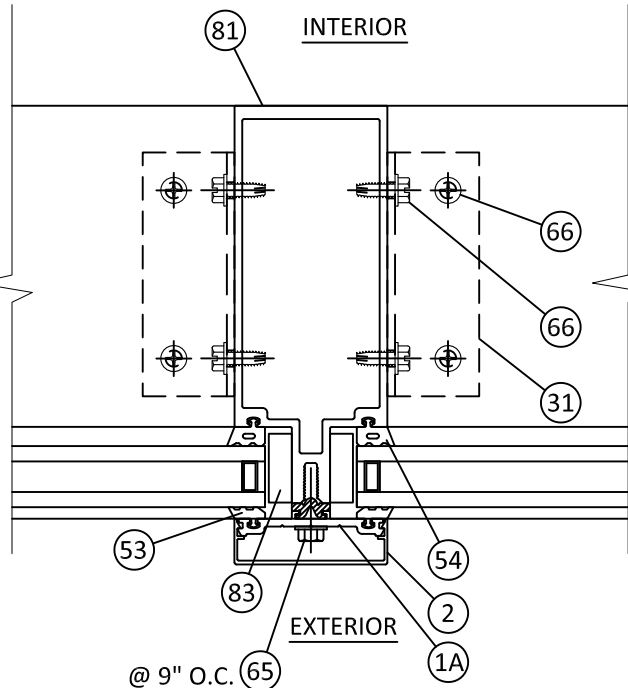
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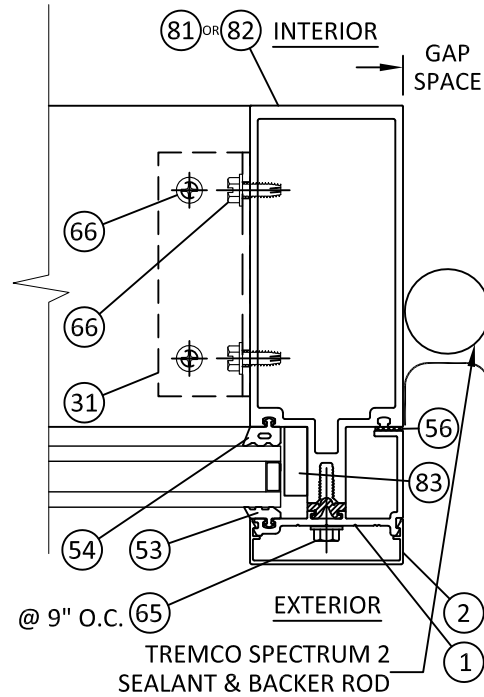
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4.1 JAMB MULLION
SSG W/ SHEAR BLOCK



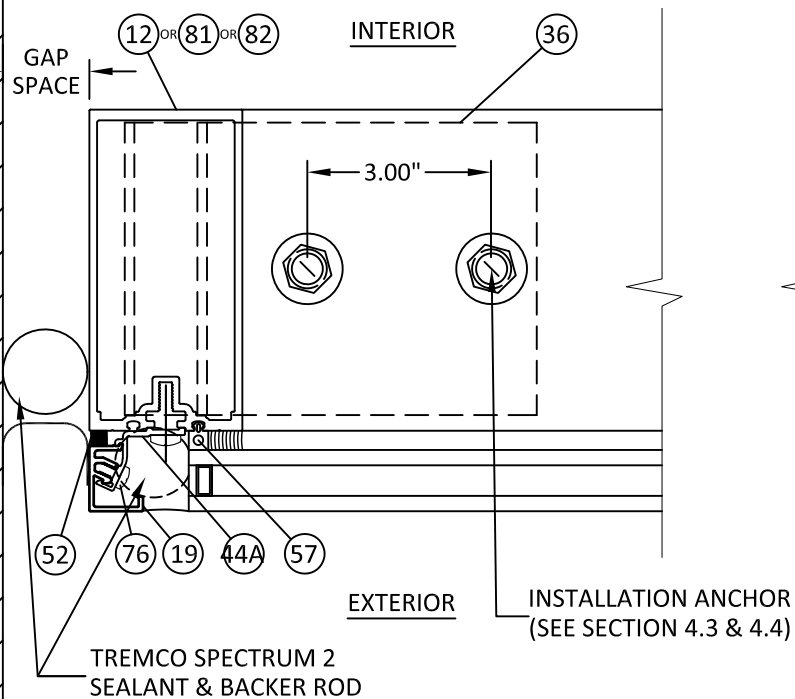
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SSG W/ SHEAR BLOCK



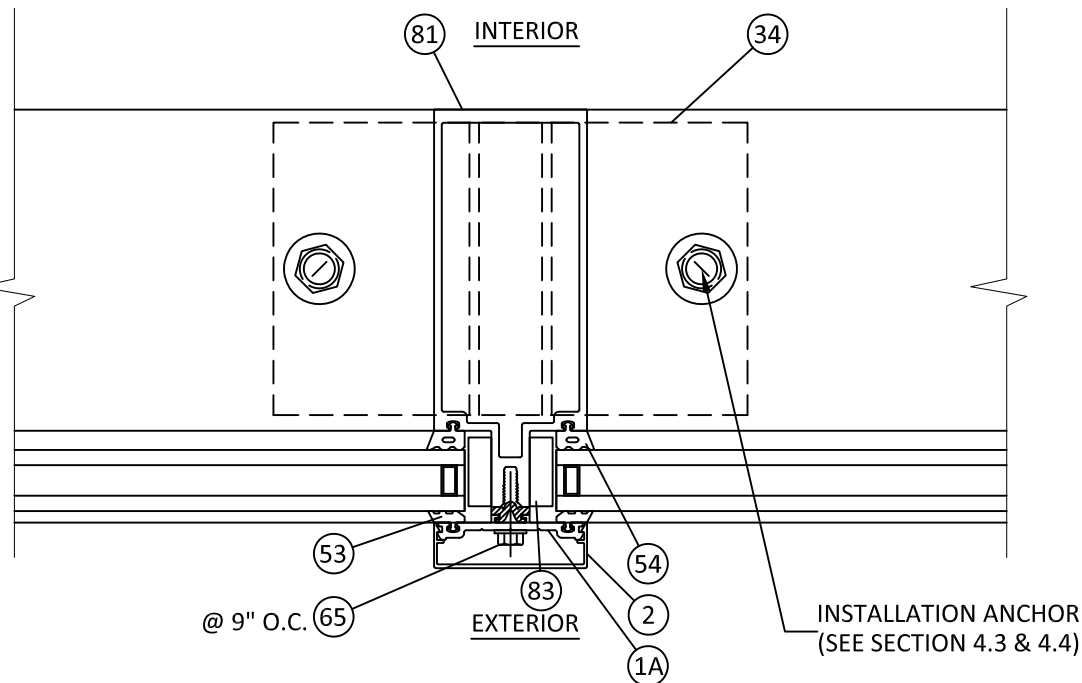
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4.1 VERTICAL MULLION
PRESSURE PLATE W/ SHEAR CLIP



4 HORIZONTAL SECTION
4.1 JAMB MULLION
PRESSURE PLATE W/ SHEAR CLIP



5 HORIZONTAL SECTION
4.1 F-ANCHOR AT JAMB MULLION
TYPICAL



6 HORIZONTAL SECTION
4.1 T-ANCHOR AT VERTICAL 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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HORIZONTAL SECTIONS

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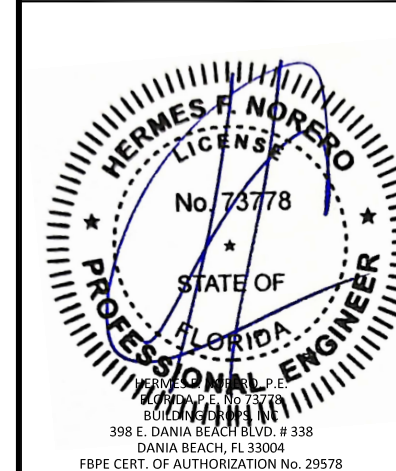
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4.1

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HORIZONTAL SECTIONS

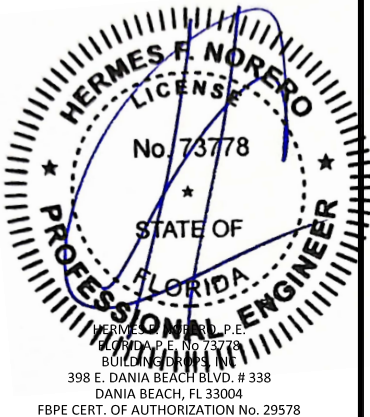
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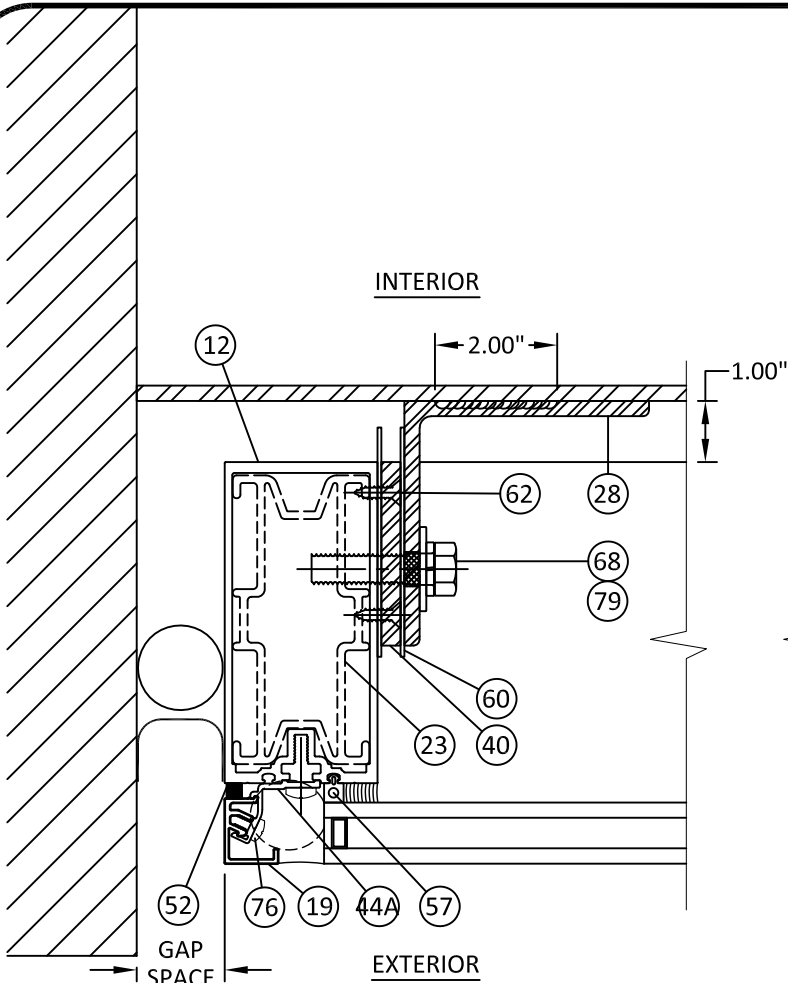
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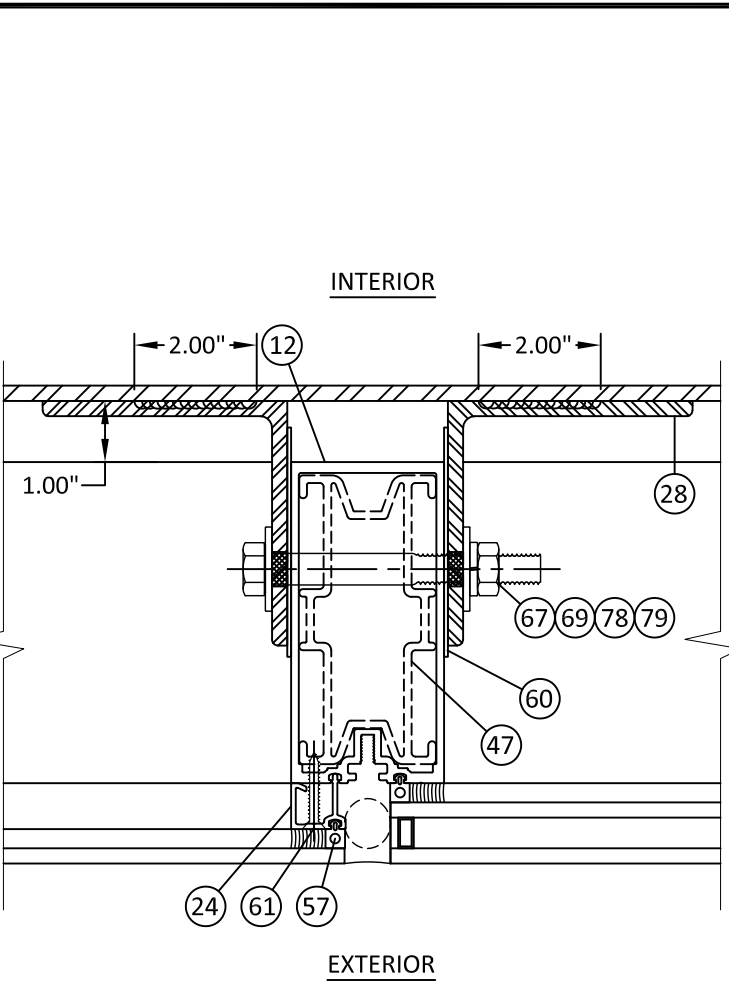
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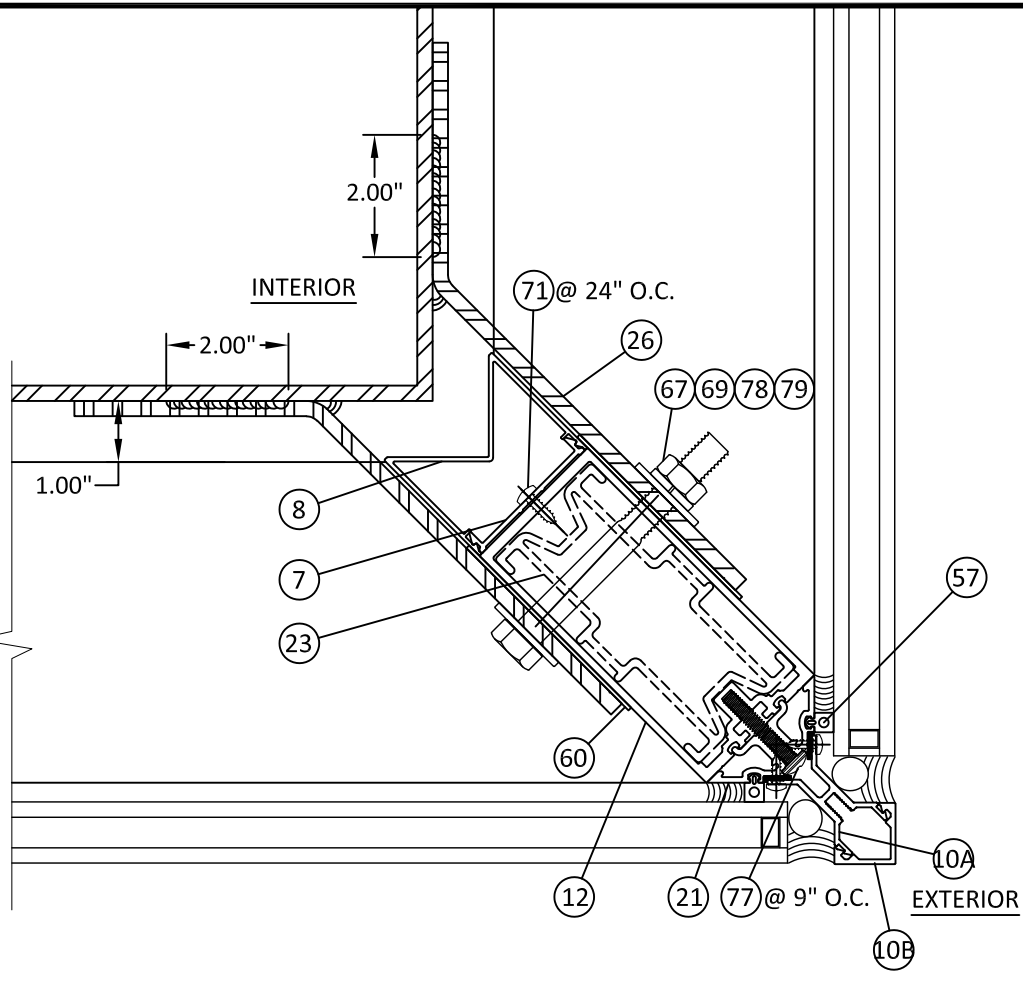
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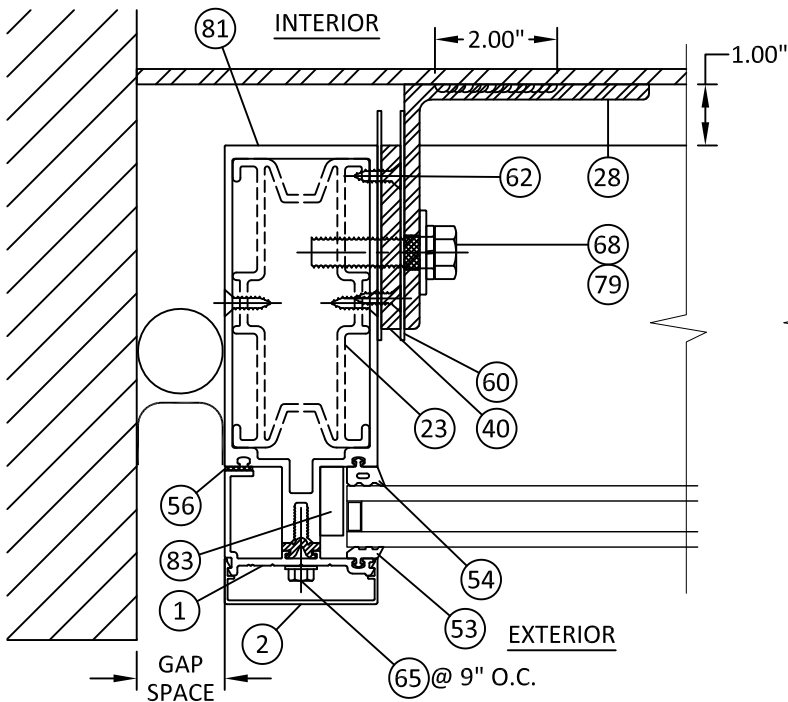
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4.2 JAMB MULLION
SSG W/ WIND LOAD ANCHOR



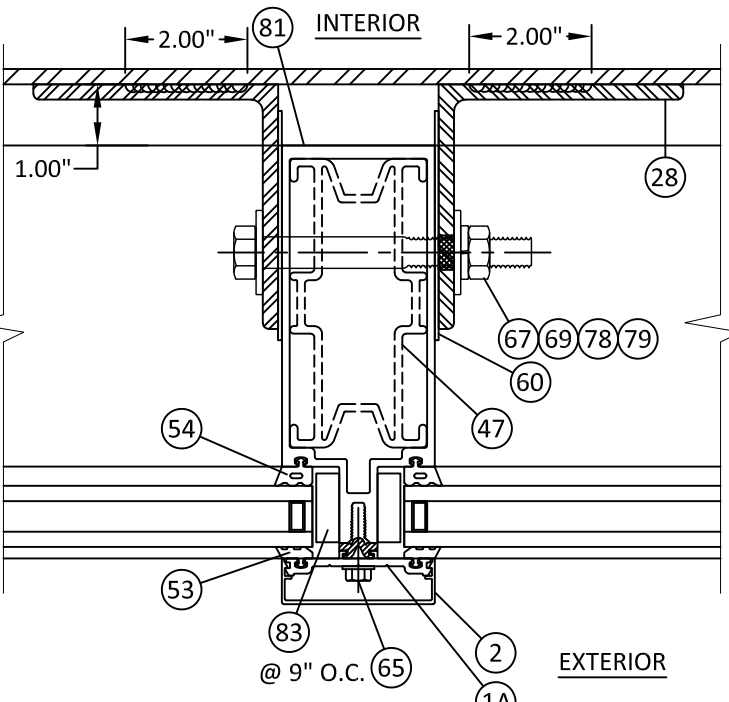
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4.2 VERTICAL MULLION
SSG W/ WIND LOAD ANCHOR



3 HORIZONTAL SECTION
4.2 VERTICAL CORNER MULLION
SSG W/ WIND LOAD ANCHOR



4 HORIZONTAL SECTION
4.2 JAMB MULLION
PRESSURE PLATE W/ WIND LOAD ANCHOR



5 HORIZONTAL SECTION
4.2 VERTICAL MULLION
PRESSURE PLATE W/ WIND LOAD ANCHOR

SEE SECTION 5.0 FOR
QUALIFIED GLAZING
OPTIONS

SEE SECTION 6.1 FOR
WIND LOAD ANCHOR
DETAILS.

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

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:

1. 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').
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.

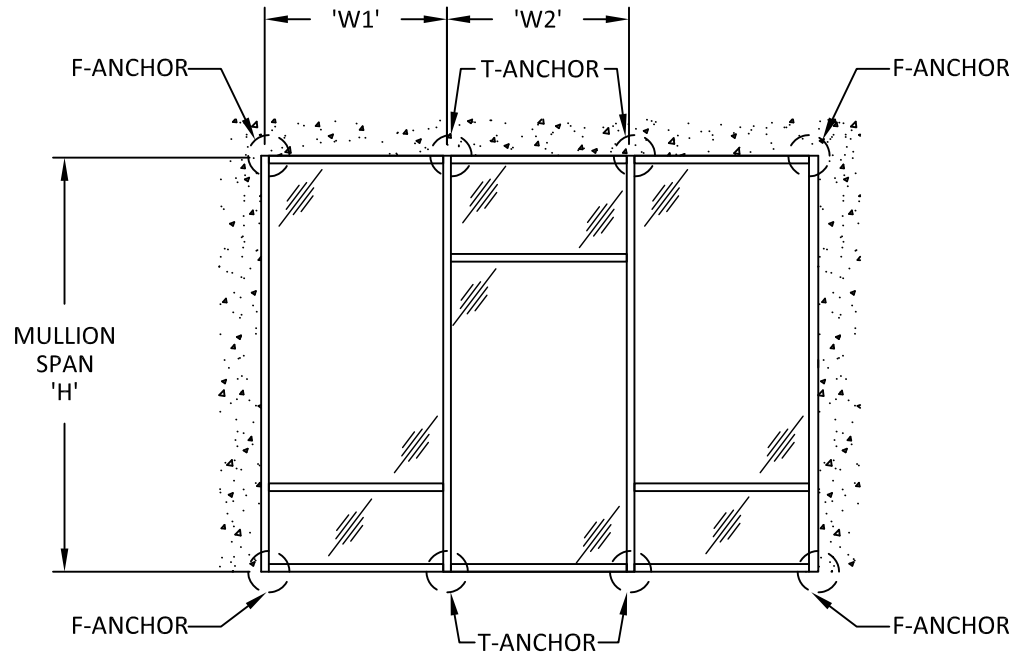
DESIGN PRESSURE TABLE: SINGLE SPAN		
BAY WIDTH 'W'	MULLION SPAN 'H'	DESIGN PRESSURE (PSF)
3'-0"	12'-0"	72.2
3'-6"		61.9
4'-0"		54.2
4'-6"		48.1
5'-0"		43.3
5'-6"		39.4
6'-0"		36.1
3'-0"	12'-6"	69.3
3'-6"		59.4
4'-0"		52.0
4'-6"		46.2
5'-0"		41.6
5'-6"		37.8
6'-0"		34.7
3'-0"	13'-0"	66.7
3'-6"		57.1
4'-0"		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:

1. SEE SECTION 4.2 & 6.0 FOR ANCHORING DIAGRAMS & DETAILS.
2. USE (2) ANCHORS PER CLIP BASED ON DATA ABOVE. IF ABOVE REQUIREMENTS CANNOT BE MET THEN FURTHER ENGINEERING IS REQUIRED TO DETERMINE ANCHOR CAPACITIES.
3. WHEN USING ANCHOR TYPE B WITH AN F-ANCHOR, USE ONLY ONE (1) ANCHOR IN CLIP CLOSEST TO VERTICAL MULLION.
4. 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
FIELD GLAZED CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

HORIZONTAL SECTIONS

PREPARED BY:

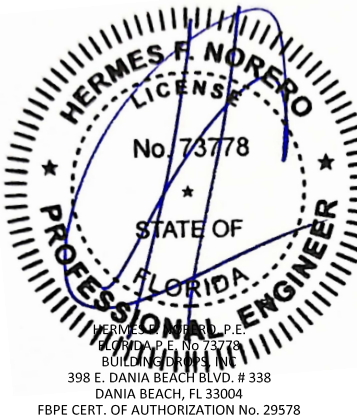
BUILDING DROPS, INC.

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	MS	03.20.20
C. CORNER TRIM UPDATE	MS	01.21.22
D. 2023 FBC CODE UPDATE	MS	04.28.23

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



FL #:
FL15921

DATE: **08.21.12**

DWG. BY: **JLA** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK010**

SECTION:

4.3

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

NOTES:

1. 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').
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.

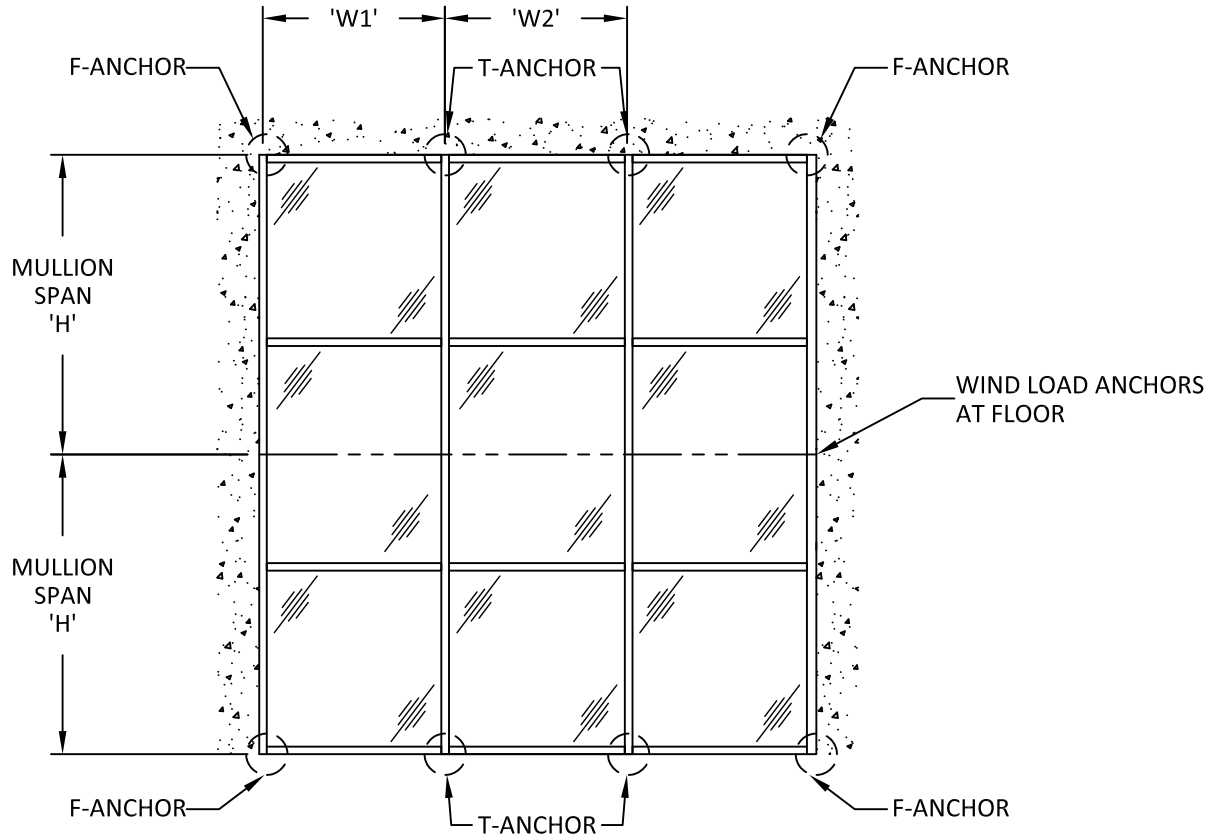
DESIGN PRESSURE TABLE: TWIN SPAN		
BAY WIDTH 'W'	MULLION SPAN 'H'	DESIGN PRESSURE (PSF)
3'-0"	12'-0"	90.3
3'-6"		77.4
4'-0"		67.7
4'-6"		60.2
5'-0"		54.2
5'-6"		49.2
6'-0"		45.1
3'-0"	12'-6"	86.7
3'-6"		74.3
4'-0"		65.0
4'-6"		57.8
5'-0"		52.0
5'-6"		47.3
6'-0"		43.3
3'-0"	13'-0"	83.3
3'-6"		71.4
4'-0"		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

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:

1. SEE SECTION 4.2 & 6.0 FOR ANCHORING DIAGRAMS & DETAILS.
2. USE (2) ANCHORS PER CLIP BASED ON DATA ABOVE. IF ABOVE REQUIREMENTS CANNOT BE MET THEN FURTHER ENGINEERING IS REQUIRED TO DETERMINE ANCHOR CAPACITIES.
3. WHEN USING ANCHOR TYPE B WITH AN F-ANCHOR, USE ONLY ONE (1) ANCHOR IN CLIP CLOSEST TO VERTICAL MULLION.
4. 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



TWIN 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
FIELD GLAZED CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

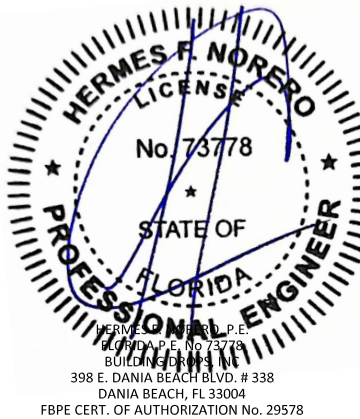
HORIZONTAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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WEB: www.buildingdrops.com



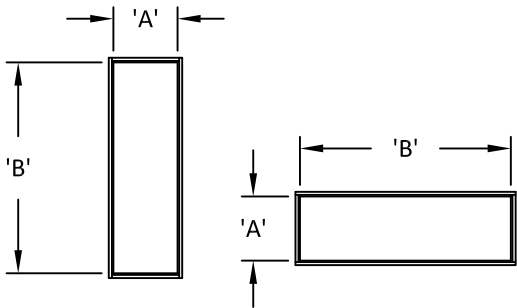
REMARKS	BY	DATE
A. 5TH EDITION FBC UPDATE	MS	04.11.15
B. 7TH EDITION FBC UPDATE	MS	03.20.20
C. CORNER TRIM UPDATE	MS	01.21.22
D. 2023 FBC CODE UPDATE	MS	04.28.23

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FL #:	FL15921
DATE:	08.21.12
DWG. BY:	JLA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK010
SECTION:	4.4 [PAGE 9 of 15]

DESIGN PRESSURE TABLE: GLAZING CAPACITY BY TYPE			
DLO WIDTH 'A'	DLO HEIGHT 'B'	DESIGN PRESSURE (PSF)	
		TYPE A1 & A2	TYPE B1 & B2
30"	60"	100.0	100.0
	66"	100.0	100.0
	72"	100.0	100.0
	78"	100.0	100.0
	84"	97.3	100.0
	90"	93.7	100.0
	96"	90.8	100.0
	102"	88.3	100.0
	108"	86.1	100.0
	114"	84.2	100.0
36"	60"	100.0	100.0
	66"	100.0	100.0
	72"	91.7	100.0
	78"	83.3	100.0
	84"	77.9	100.0
	90"	72.9	100.0
	96"	69.1	100.0
	102"	65.7	100.0
	108"	62.8	100.0
	114"	61.0	100.0
42"	60"	100.0	100.0
	66"	97.4	100.0
	72"	87.4	100.0
	78"	79.5	100.0
	84"	72.8	100.0
	90"	65.9	100.0
	96"	60.1	100.0
	102"	56.3	100.0
	108"	52.5	94.4
	114"	50.2	90.3
48"	60"	100.0	100.0
	66"	93.4	100.0
	72"	84.8	100.0
	78"	77.9	100.0
	84"	71.6	100.0
	90"	64.7	100.0
	96"	59.3	100.0
	102"	54.4	98.0
	108"	50.3	90.5
	114"	47.1	84.8
120"	60"	100.0	100.0
	66"	93.4	100.0
	72"	84.8	100.0
	78"	77.9	100.0



PANEL DIMENSIONS

DESIGN PRESSURE TABLE: GLAZING CAPACITY BY TYPE			
DLO WIDTH 'A'	DLO HEIGHT 'B'	DESIGN PRESSURE (PSF)	
		TYPE A1 & A2	TYPE B1 & B2
54"	60"	96.0	100.0
	66"	88.6	100.0
	72"	81.1	100.0
	78"	75.5	100.0
	84"	69.8	100.0
	90"	63.5	100.0
	96"	59.2	100.0
	102"	54.5	98.1
	108"	50.6	91.0
	114"	47.2	85.0
60"	60"	89.6	100.0
	66"	82.1	100.0
	72"	77.0	100.0
	78"	71.7	100.0
	84"	66.4	100.0
	90"	62.0	100.0
	96"	57.7	100.0
	102"	53.9	97.1
	108"	50.5	90.9
	114"	47.2	85.0
120"	60"	44.3	79.7

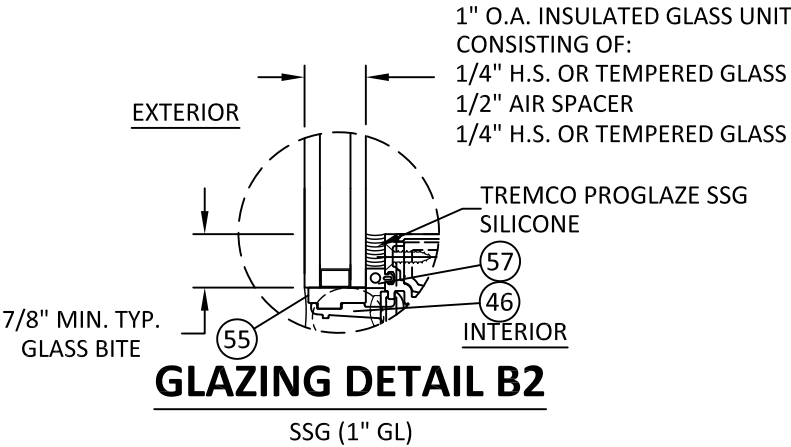
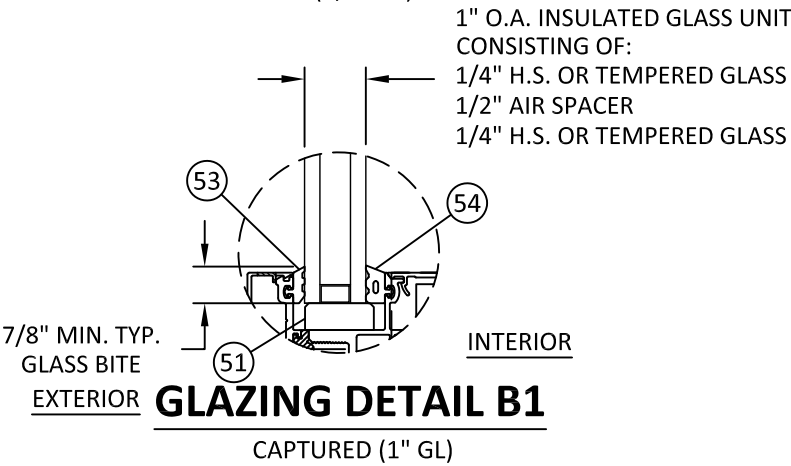
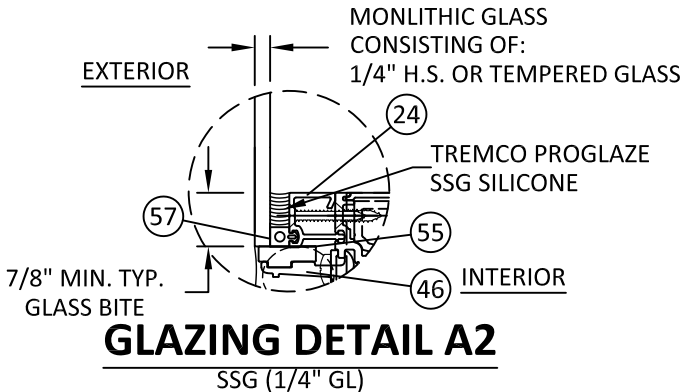
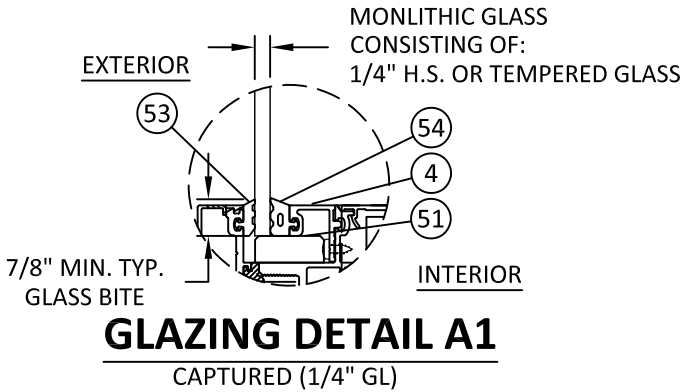
- NOTES:
- GLASS CAPACITIES ON SHEET 5.1 ARE BASED ON CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
 - ALL GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE APPROVED SETTING BLOCKS PER CHAPTER 24 OF CUURRENT FBC.
 - WHERE APPLICABLE, TEMPERED GLASS IS REQUIRED TO BE USED TO COMPLY WITH SAFETY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

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.

- 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



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

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

GLAZING DETAILS & GLASS CAPACITY TABLE

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	MS	03.20.20
C. CORNER TRIM UPDATE	MS	01.21.22
D. 2023 FBC CODE UPDATE	MS	04.28.23

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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 #:
FL15921

DATE: **08.21.12**

DWG. BY: **JLA** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **YKK010**

SECTION:

5.0
[PAGE 10 of 15]

6/30/2023 8:47 AM

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

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

F & T ANCHOR DETAILS

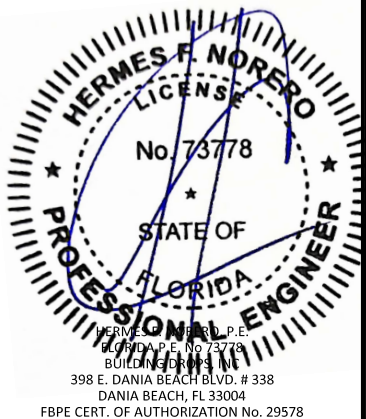
PREPARED BY: BUILDING DROPS, INC.

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DANIA BEACH, FL 33004
PH: (954)399-8478
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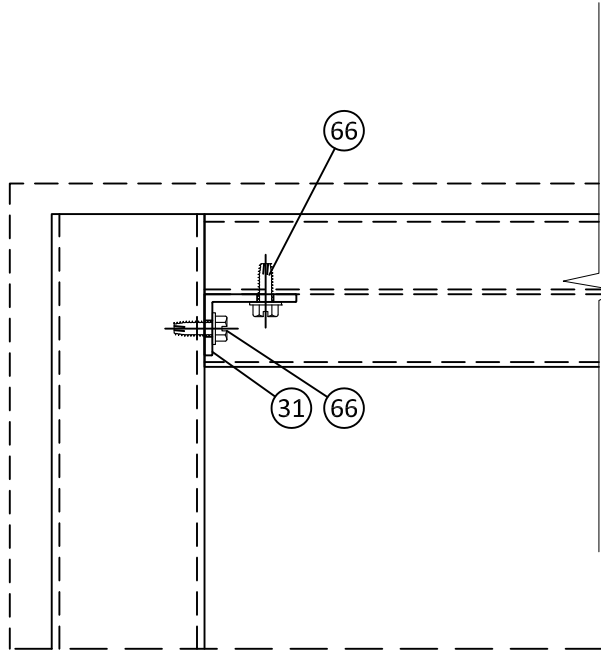


REMARKS	BY	DATE
A. 5TH EDITION FBC UPDATE	MS	04.11.15
B. 7TH EDITION FBC UPDATE	MS	03.20.20
C. CORNER TRIM UPDATE	MS	01.21.22
D. 2023 FBC CODE UPDATE	MS	04.28.23

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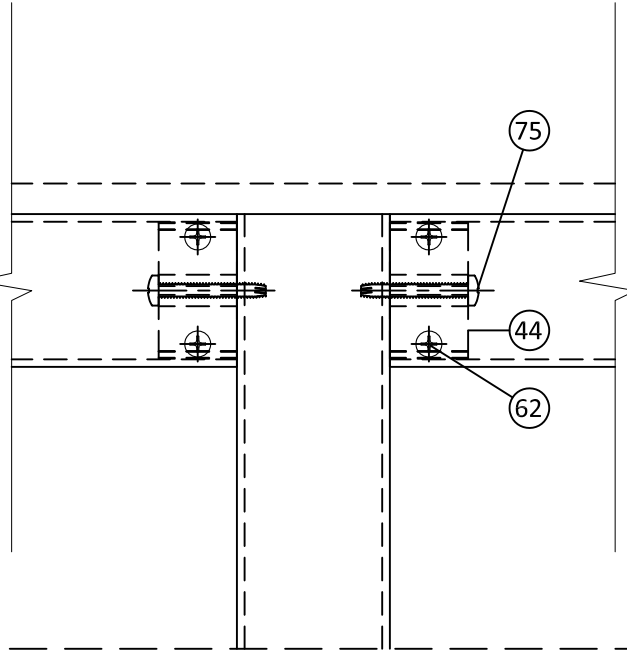


FL #:		FL15921	
DATE:		08.21.12	
DWG. BY: JLA		CHK. BY: HFN	
SCALE:		NTS	
DWG. #:		YKK010	
SECTION:		6.0	
[PAGE 11 of 15]			



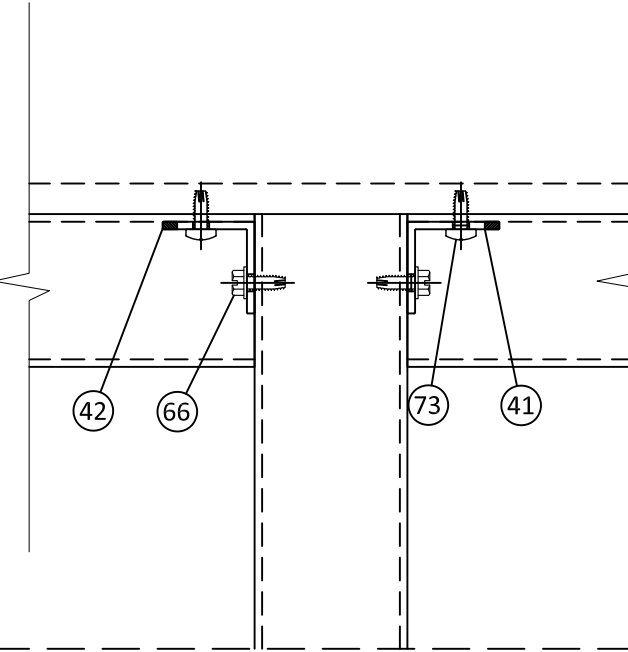
SHEAR CLIP AT JAMB

PRESSURE PLATE SYSTEMS
OPEN BACK CAPTURED
HORIZONTAL



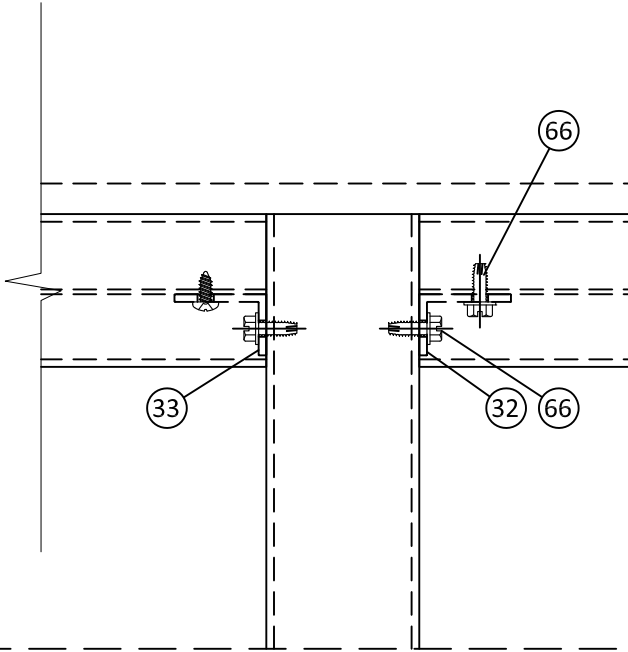
SHEAR BLOCK AT MULLION

SSG SYSTEMS
SSG HORIZONTAL



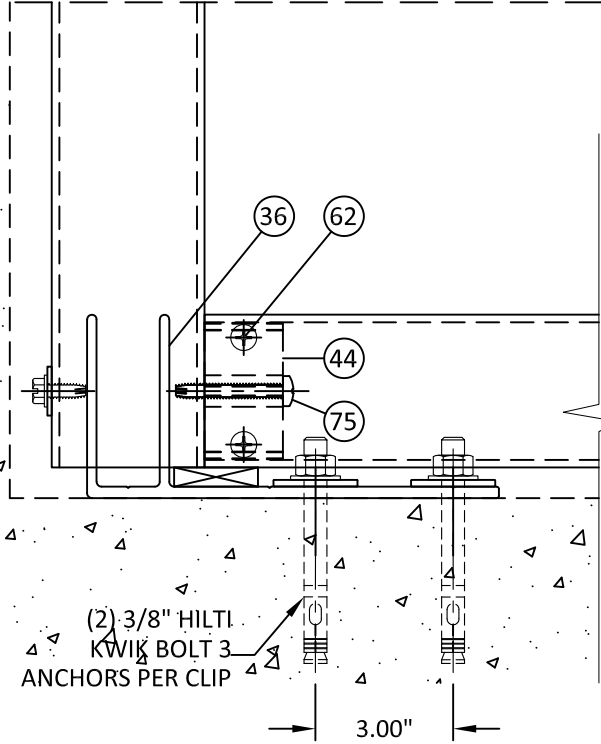
SHEAR CLIP AT CORNER

SSG SYSTEMS
SSG HORIZONTAL



SHEAR CLIP AT CORNER

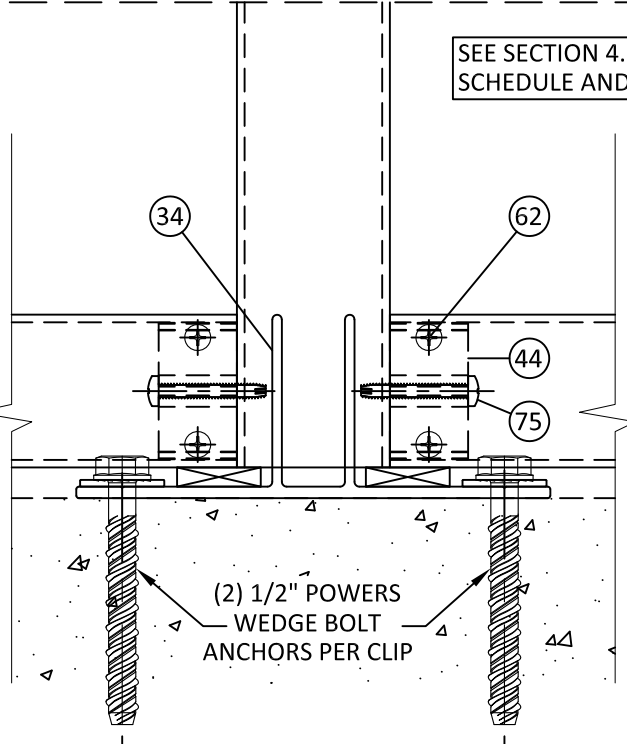
PRESSURE PLATE SYSTEMS
OPEN BACK CAPTURED
HORIZONTAL



1
6.0

FRONT VIEW

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

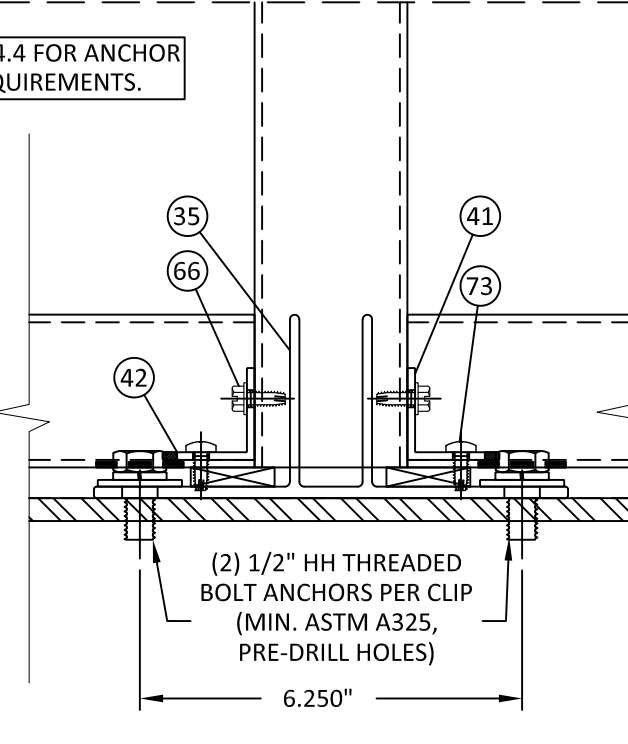


2
6.0

FRONT VIEW

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

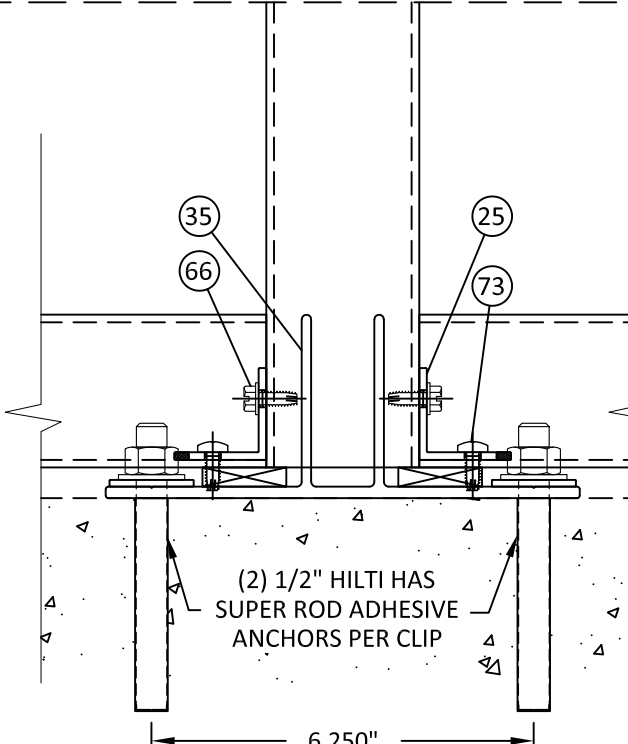
SEE SECTION 4.3 & 4.4 FOR ANCHOR
SCHEDULE AND REQUIREMENTS.



3
6.0

FRONT VIEW

T-ANCHOR AT CORNER MULLION
STEEL SUBSTRATES
(DETAIL SIMILAR AT HEAD & SILL)



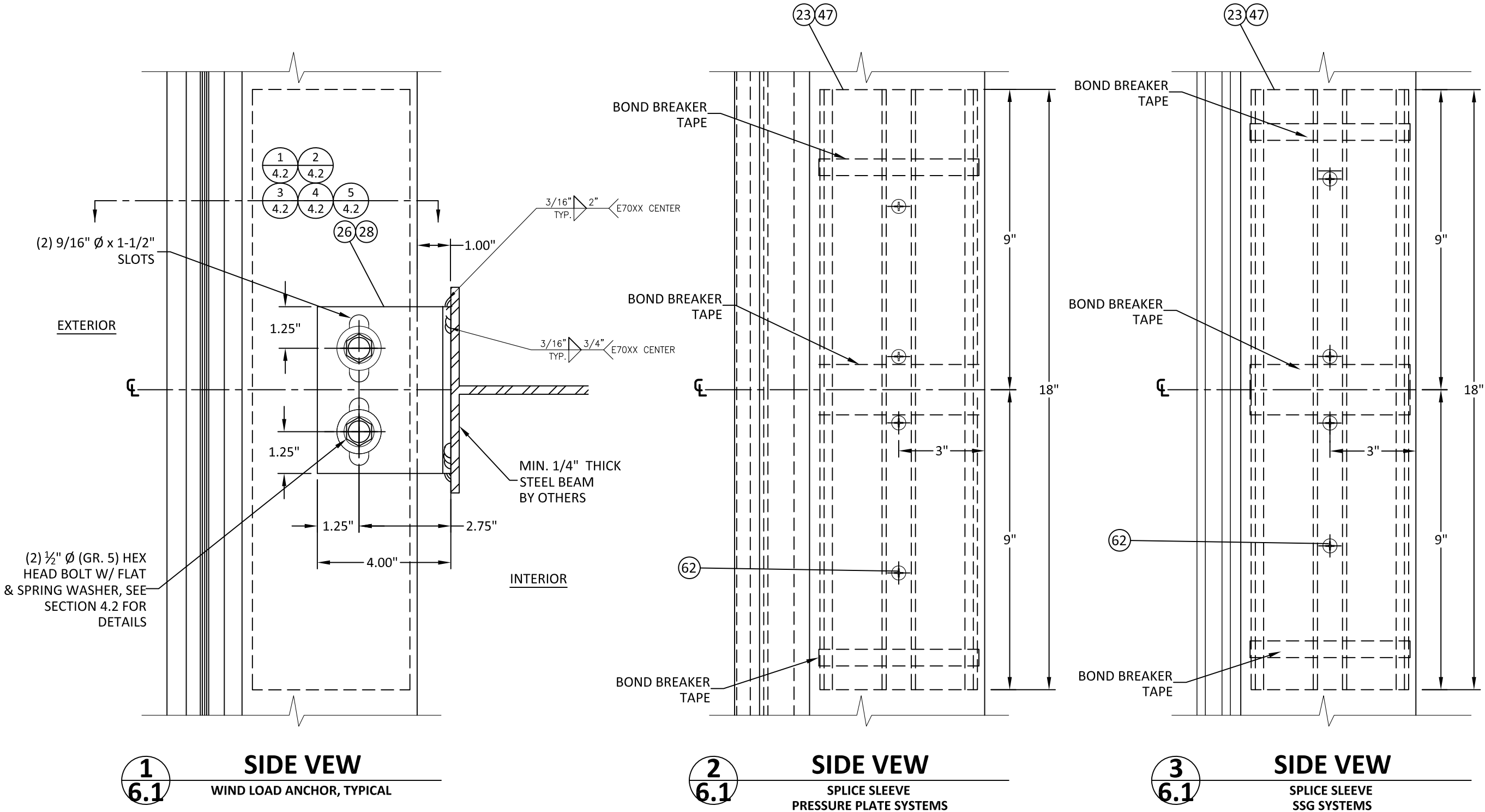
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6.0

FRONT VIEW

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

6/30/2023 8:47 AM

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YKK AP America Inc

1229 HWY 441 BYPASS

DUBLIN, GEORGIA 31021

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

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

F & T 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
A. 5TH EDITION FBC UPDATE	MS	04.11.15
B. 7TH EDITION FBC UPDATE	MS	03.20.20
C. CORNER TRIM UPDATE	MS	01.21.22
D. 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. #: YKK010

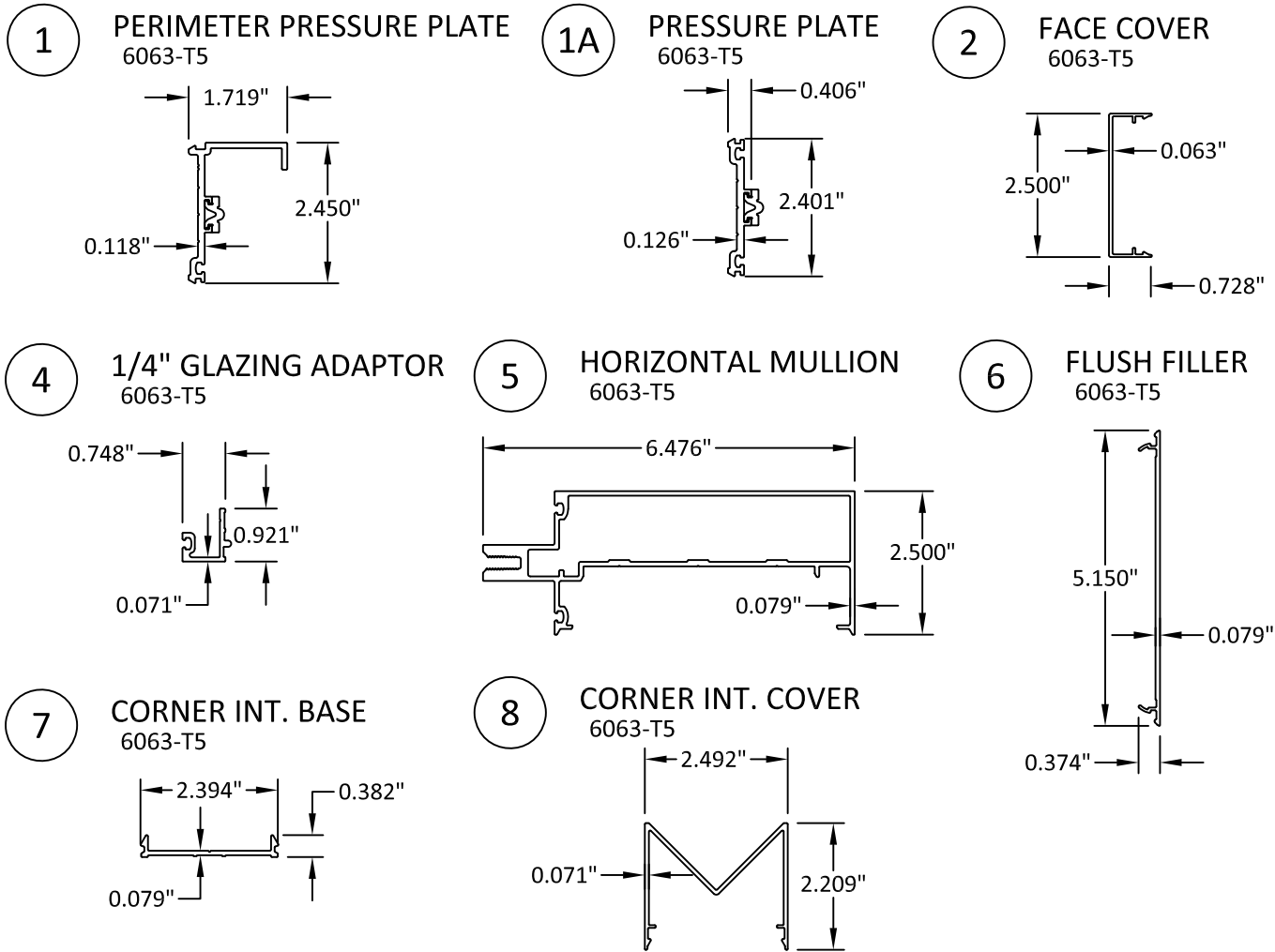
SECTION:

6.1

[PAGE 12 of 15]

BILL OF MATERIALS				
ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	AS-3569	PERIMETER PRESSURE PLATE	6063-T5	YKK AP
1A	AS-1216	PRESSURE PLATE	6063-T5	YKK AP
2	E9-1206	FACE COVER (3/4")	6063-T5	YKK AP
4	E9-1220	1/4" GLAZING ADAPTOR	6063-T5	YKK AP
5	E9-1255	HORIZONTAL MULLION	6063-T5	YKK AP
6	E9-1256	FLUSH FILLER	6063-T5	YKK AP
7	E9-1280	CORNER INTERIOR BASE	6063-T5	YKK AP
8	E9-1281	CORNER INTERIOR COVER	6063-T5	YKK AP
9	E9-1282	SSG TONGUE ADAPTOR	6063-T5	YKK AP
10A	E9-3438	SSG CORNER TRIM BASE	6063-T5	YKK AP
10B	E9-3439	SSG CORNER TRIM 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
19	E9-3409	PERIMETER TRIM (FIELD)	6063-T5	YKK AP
21	E9-3413	CORNER SSG MULLION ADAPTOR	6063-T5	YKK AP
23	E9-3417	SPLICE SLEEVE PROFILE	6063-T5	YKK AP
24	E9-3421	1/4" GLAZING ADAPTOR	6063-T5	YKK AP
25	E9-9303	1-1/2" X 1-1/2" ANGLE	6063-T5	YKK AP
26	E1-0191	CORNER WINDLOAD ANCHOR	STEEL	---
27	E1-1202	FACE COVER SPLICE SLEEVE	ALUM SHEET	---
28	E1-1204	WIND LOAD ANCHOR	STEEL	---
29	E1-1205	DEAD LOAD ANCHOR	STEEL	---
30	E1-1208	MULLION "T" ANCHOR	6063-T5	YKK AP
31	E1-1213	SHEAR CLIP	6063-T5	YKK AP
32	E1-1213A	SHEAR CLIP FOR 90° OUTSIDE CORNER	6063-T5	YKK AP
33	E1-1213B	SHEAR CLIP FOR 90° OUTSIDE CORNER	6063-T5	YKK AP
34	E1-1222	MULLION "T" ANCHOR	6063-T5	YKK AP
35	E1-1222A	CORNER "T" ANCHOR	6063-T5	YKK AP
36	E1-1234	MULLION "F" ANCHOR	6063-T5	YKK AP
39	E1-1286	MULLION END CAP	ALUM SHEET	---
40	E1-3536	JAMB ANCHOR PLATE	ALUM SHEET	---
41	E1-3540A	RH SHEAR CLIP @ 90° CORNER	6063-T5	YKK AP
42	E1-3540B	LH SHEAR CLIP @ 90° CORNER	6063-T5	YKK AP
44	E1-3542	SHEAR BLOCK	6063-T5	YKK AP
44A	E1-3543	PERIMETER TRIM CLIP	6063-T5	YKK AP
46	E1-3545	SETTING BLOCK CHAIR	6063-T5	YKK AP
47	E1-3548	SPLICE SLEEVE	6063-T5	YKK AP
48	E1-3549	ALUMINUM SPACER	6061-T6	---
49	E1-3550	CORNER ALUMINUM SPACER	6061-T6	---
50	E2-0070	SILICONE SPLICE SLEEVE	SILICONE	---
51	E2-0104	SETTING BLOCK	EPDM DUROMETER 85±5	---
52	E2-0110	GLAZING SPACER TAPE	POLYURETHANE FOAM	---
53	E2-0127	EXTERIOR GLAZING GASKET	SILICONE DUROMETER 70±5	---
54	E2-0128	INTERIOR GLAZING GASKET	SILICONE DUROMETER 70±5	---
55	E2-0224	SETTING BLOCK	SILICONE DUROMETER 85±5	---
56	E2-0239	ISOLATOR TAPE	PVC SPONGE	---
57	E2-0261	INTERIOR GLAZING SPACER	SCR900 DUROMETER 70±5	---
60	E3-0103	NYLON SLIP PAD	NYLON	---

BILL OF MATERIALS				
ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	MANUFACTURER
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	---
65	HD-2516-W3-SS	1/4"-20 X 1" HWHMS TYPE CA SS	STAINLESS 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	---
70	PC-0806	#8 X 3/8" PHSMS	ZINC PLATED STEEL	---
71	PC-1010	#8 X 5/8" PHSMS	ZINC PLATED STEEL	---
72	FC-1210	#12 X 5/8" FHSMS TYPE AB	ZINC PLATED STEEL	---
73	PC-2510-W1	1/4"-20 X 5/8" PHSMS	ZINC PLATED STEEL	---
74	PF-0808-SS	#10-24 X 5/8" PHSMS TYPE F	STAINLESS STEEL	---
75	PF-2528	1/4-20 X 1-3/4" LG TYPE F	ZINC PLATED STEEL	---
76	PM-1006-SS	#10 X 3/8" PHMS	STAINLESS STEEL	---
77	PM-2524-SS	1/4"-20 X 1-1/2" PHMS	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	E9-1215	JAMB/HORIZONTAL	6063-T5	YKK AP
82	E9-1225	JAMB/HORIZONTAL	6063-T5	YKK AP
83	E2-0105	SETTING BLOCK	EPDM DUROMETER 85±5	---



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

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

BILL OF MATERIALS &
COMPONENTS

PREPARED BY:

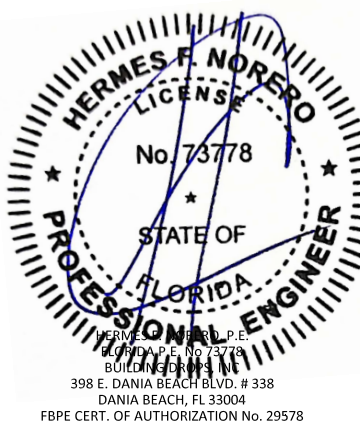
BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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FL #:

FL15921

DATE: 08.21.12

DWG. BY: JLA

CHK. BY: HFN

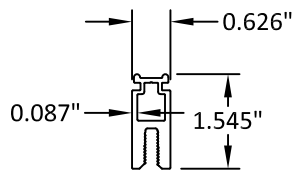
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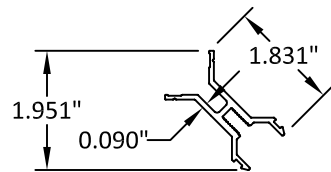
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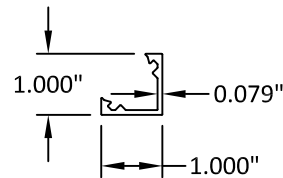
9 SSG TONGUE ADAPTOR
6063-T5



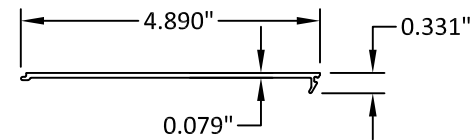
10A SSG CORNER TRIM BASE
6063-T5



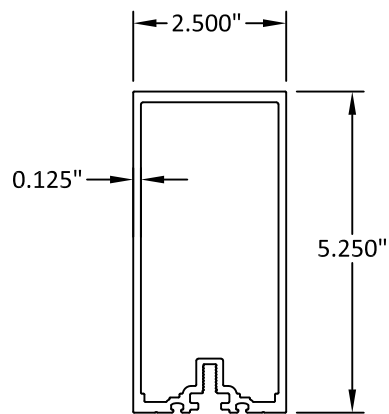
10B SSG CORNER TRIM COVER
6063-T5



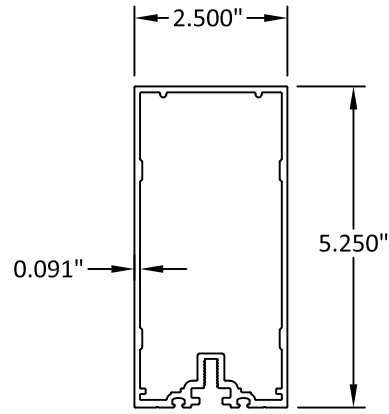
11 FLUSH FILLER
6063-T5



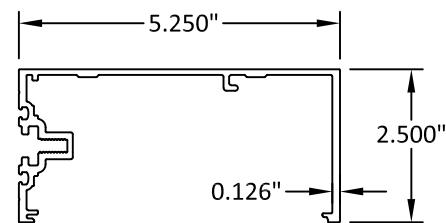
12 HEAVY DUTY VERTICAL MULLION
6063-T6



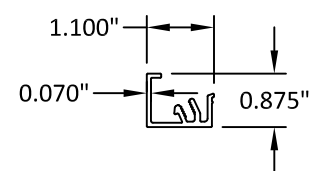
13 VERTICAL/HORIZONTAL MULLION
6063-T6



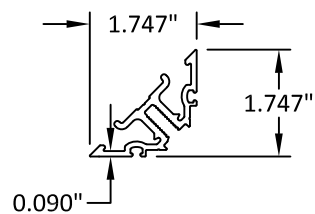
14 OPEN BACK HEAD/SILL/HORIZONTAL
6063-T6



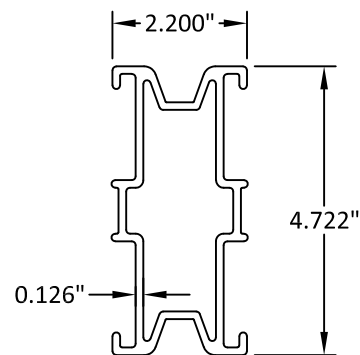
19 PERIMTER TRIM (FIELD)
6063-T5



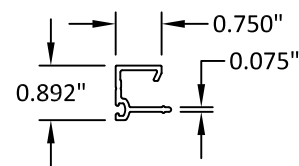
21 CORNER GLAZING ADAPTOR
6063-T5



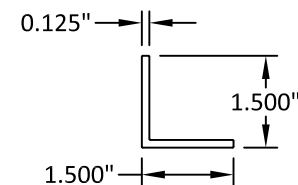
23 47 SPLICE SLEEVE PROFILE
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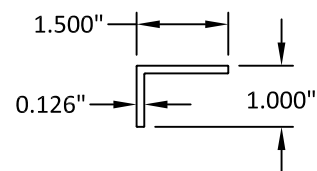
24 1/4" GLAZING ADAPTOR
6063-T5



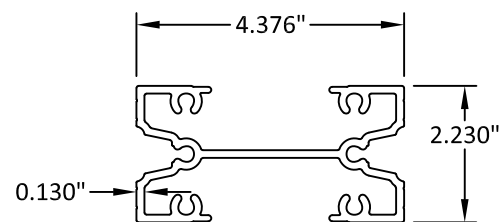
25 1-1/2" X 1-1/2" ANGLE
6063-T5



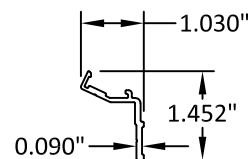
31 32 33 SHEAR CLIP
6063-T5



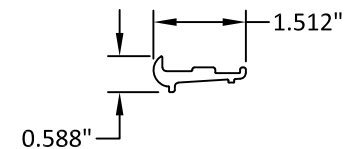
44 SHEAR BLOCK
6063-T5



44A PERIMETER TRIM CLIP
6063-T5



46 SETTING BLOCK CHAIR
6063-T5



YKK AP America Inc
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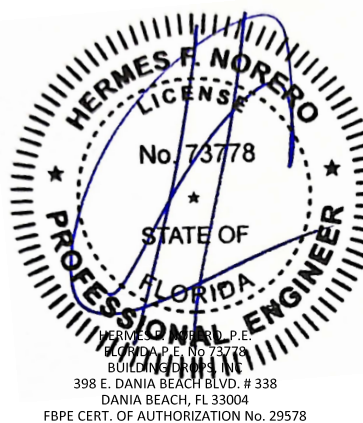
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FIELD GLAZED CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)
BILL OF MATERIALS &
COMPONENTS

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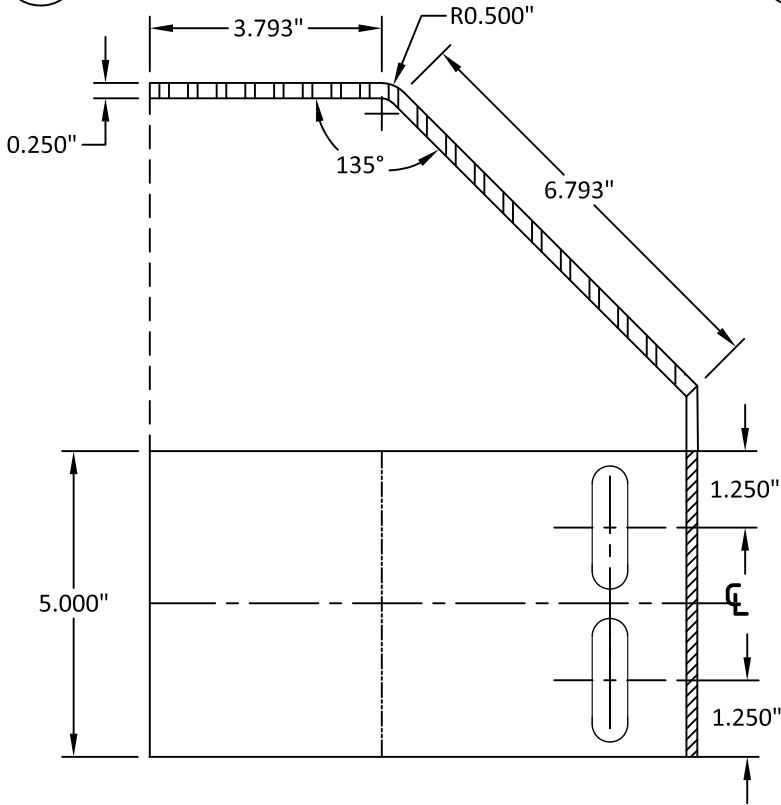
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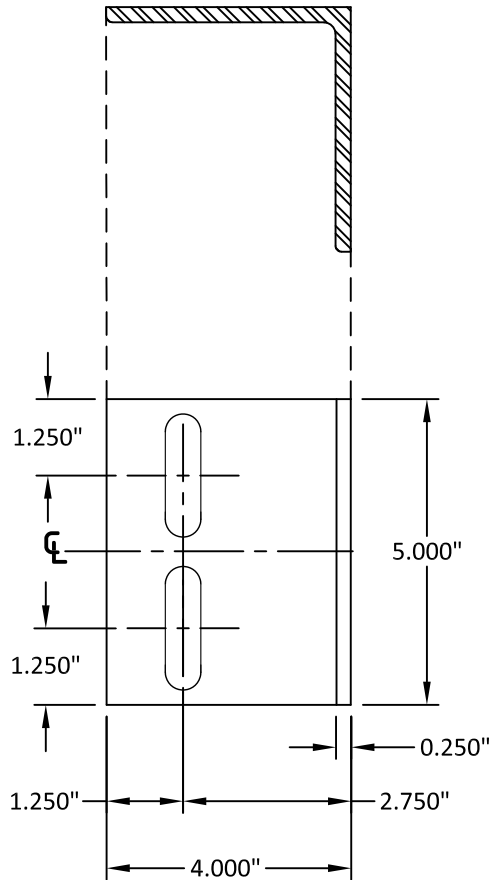
FL #:	FL15921
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DWG. BY:	JLA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	YKK010
SECTION:	7.1 [PAGE 14 of 15]

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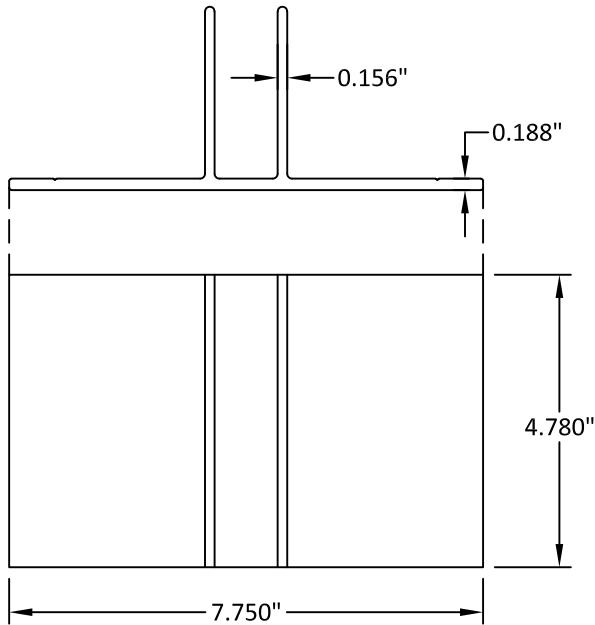
26 CORNER WINDLOAD ANCHOR
A36 STEEL (PRIMED)



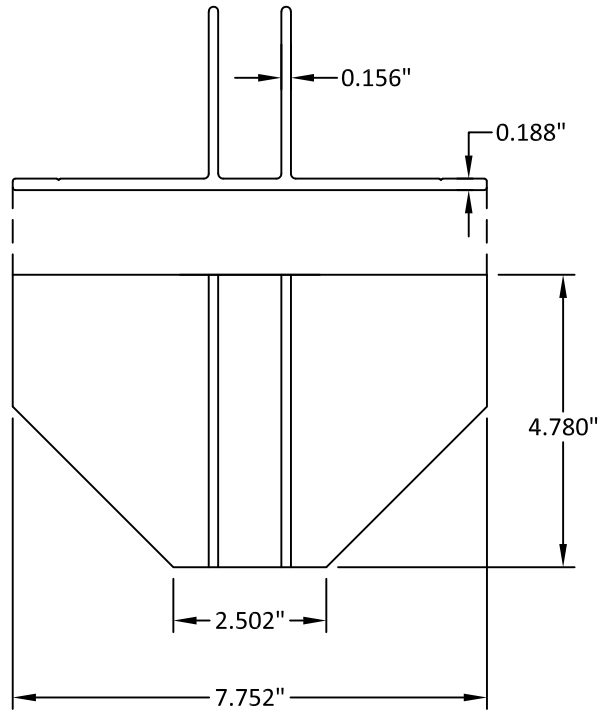
28 WINDLOAD ANCHOR
A36 STEEL (PRIMED)



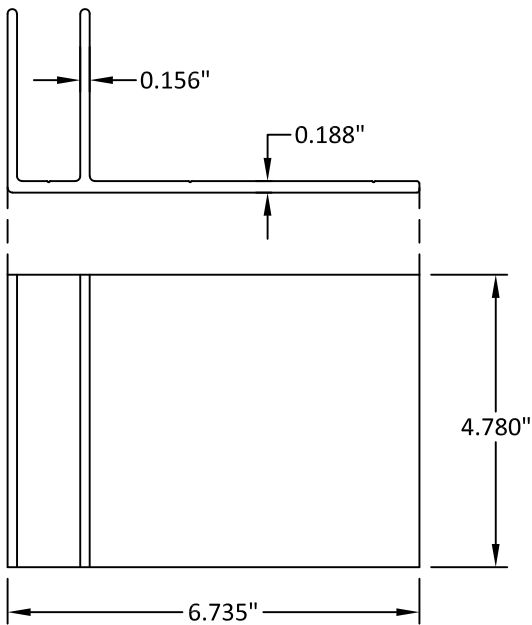
34 MULLION "T" ANCHOR
6063-T5



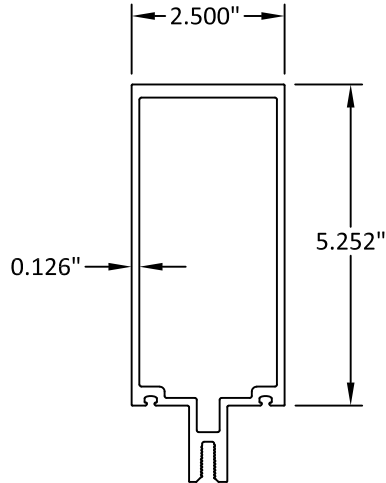
35 CORNER "T" ANCHOR
6063-T5



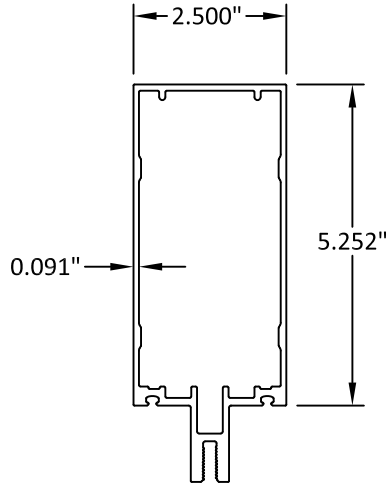
36 MULLION "F" ANCHOR
6063-T5



81 JAMB/HORIZONTAL
6063-T5



82 JAMB/HORIZONTAL
6063-T5



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1229 HWY 441 BYPASS
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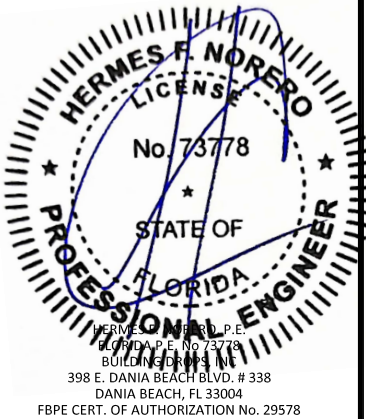
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DWG. BY:	JLA
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SCALE:	NTS
DWG. #:	YKK010
SECTION:	7.2 [PAGE 15 of 15]

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