

ERIE ARCHITECTURAL PRODUCTS

EF 30 UW CURTAIN WALL SYSTEM (NON-HVHZ)(NON-IMPACT)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBERS OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ 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.
- REFER TO SECTION 6 & 7 FOR ANCHOR TYPE, SUBSTRATE STRENGTH, EMBEDMENT, & EDGE DISTANCE REQUIREMENTS. FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS FOR INSTALLATION OF ANCHORS.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 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. ADHESIVE ANCHORS MUST BE INSTALLED BY PERSONNEL CERTIFIED FOR THE SPECIFIED ANCHOR INSTALLATION.
- 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 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 4. |
| STEP 4 | USING HEAD/SILL ANCHOR DETAILS, SELECT ANCHOR OPTION FROM TABLES ON SECTION 6 & 7 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 7. |
| STEP 6 | THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 AND 5 SHALL APPLY TO ENTIRE SYSTEM. |

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 E283-19
 - ASTM E330-14
 - ASTM E331-00(16)
- 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.
- 1X AND 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.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 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.

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2	ELEVATION
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6	ANCHOR DETAILS
7	INTERMEDIATE ANCHOR DETAILS
8	COMPONENTS & BILL OF MATERIALS

*NOTE: 5.75" SYSTEM DETAILS SHOWN ON DRAWING. 6.75" AND 7.75" DEEP PROFILES ARE QUALIFIED FOR THE SAME SIZES AND DESIGN PRESSURES SHOWN HEREIN.



39525 WEST 13 MILE RD., STE. 200
NOVI, MI 48377
PH: (800)878-1861

EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)(NON-IMPACT)
GENERAL AND INSTALLATION NOTES

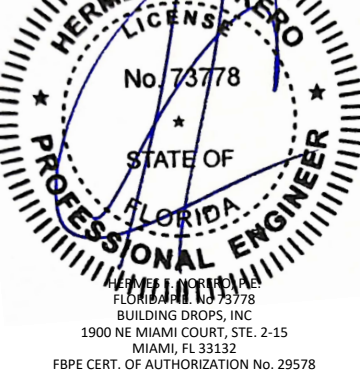
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.02.22 15:55:00 -0500



FL #:
FL46554

DATE: **02.22.2024**

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

DWG. #: **EAP001**

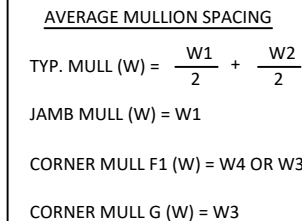
SECTION:
1.0
[SHEET 1 of 37]

EVALUATION



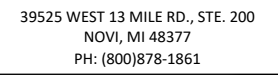
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SECTION:
2.0
[SHEET 2 of 37]

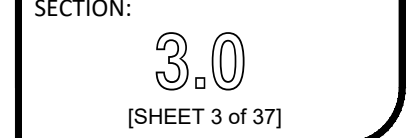


ELEVATION SHOWN IS FOR DIAGRAMMATIC PURPOSES ONLY.
VARIOUS CONFIGURATIONS ARE POSSIBLE USING THIS
APPROVAL AND DESIGN PRESSURE CHARTS WITHIN.

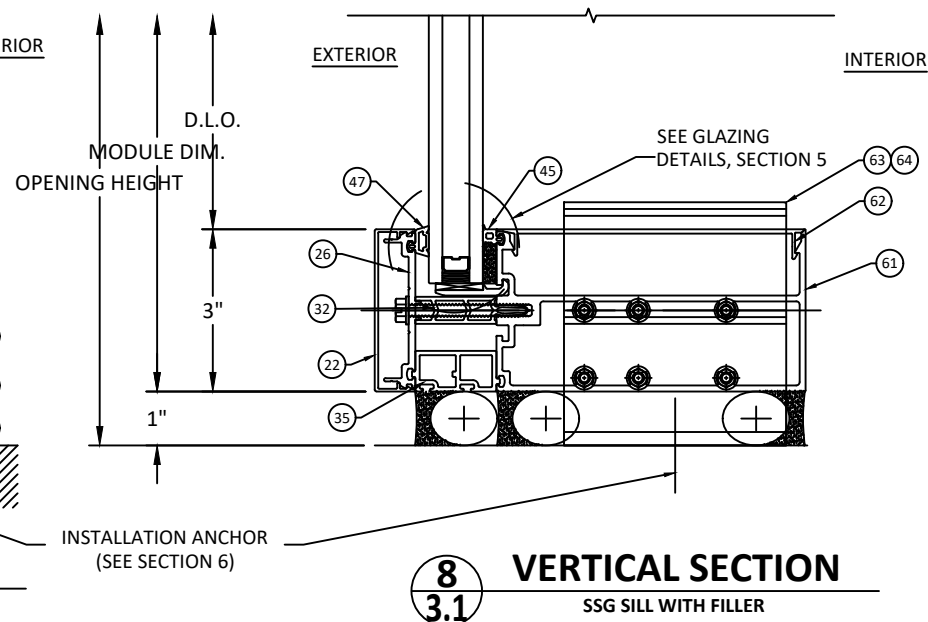
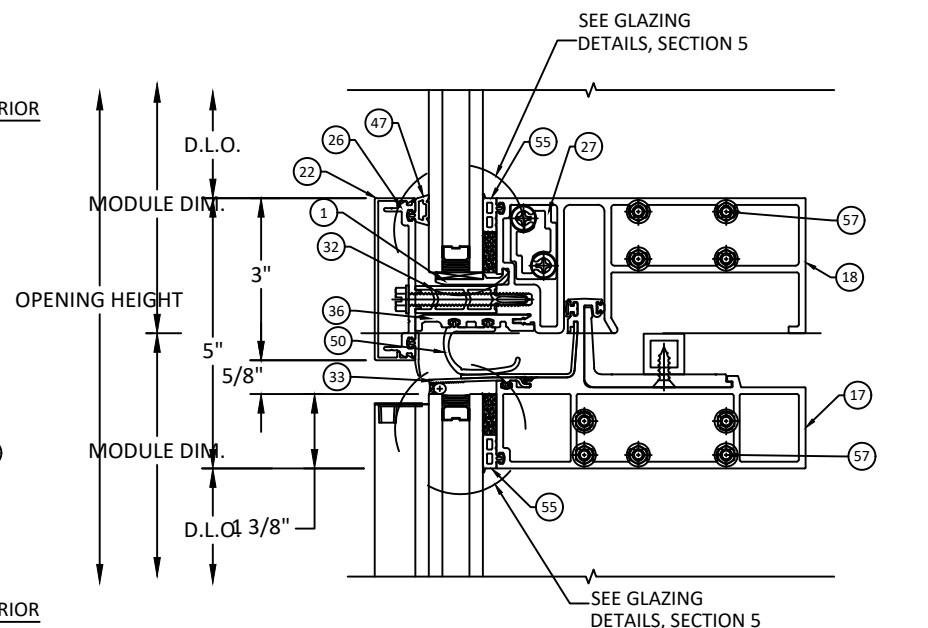
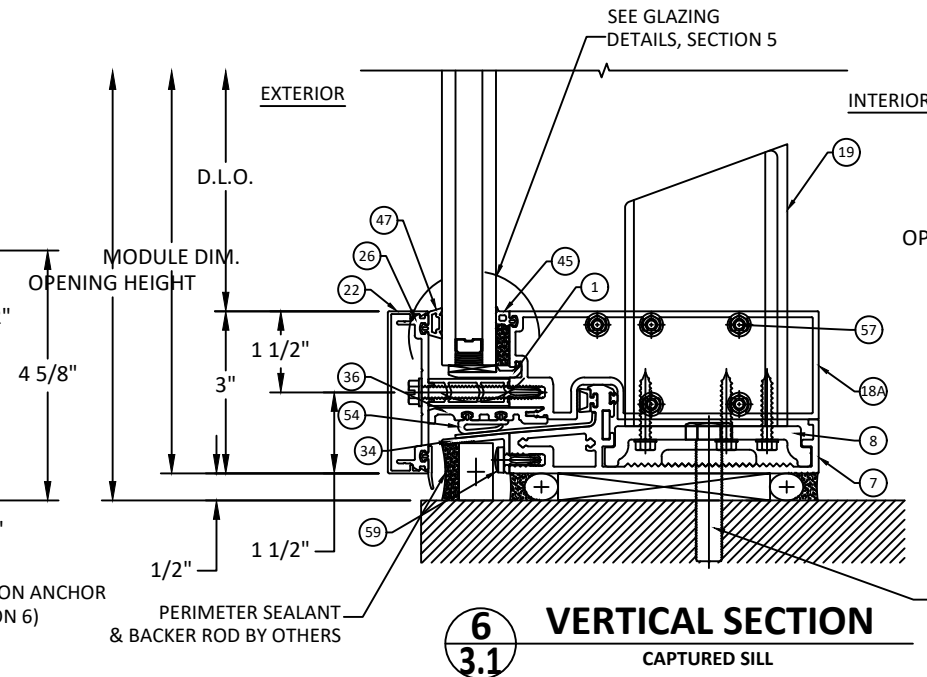
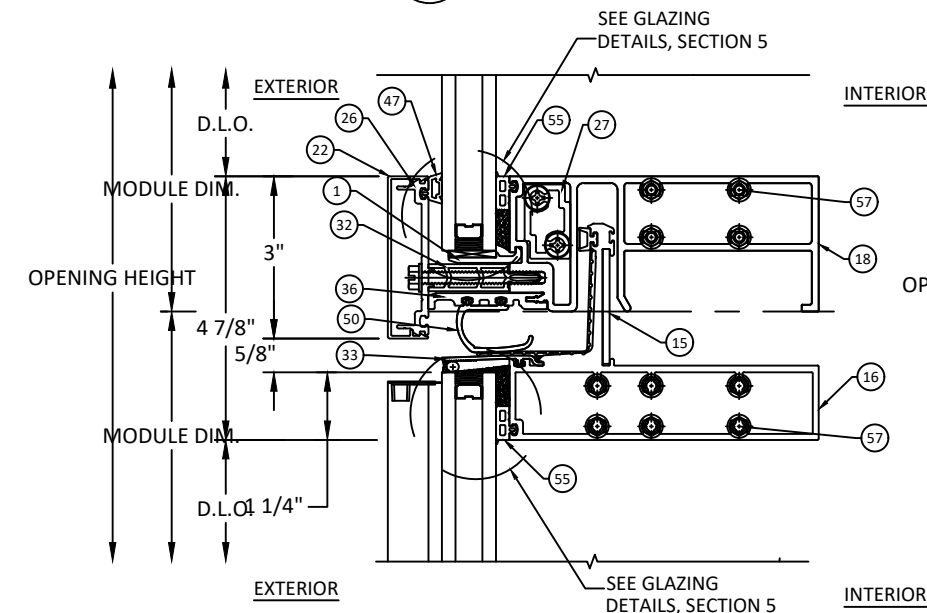
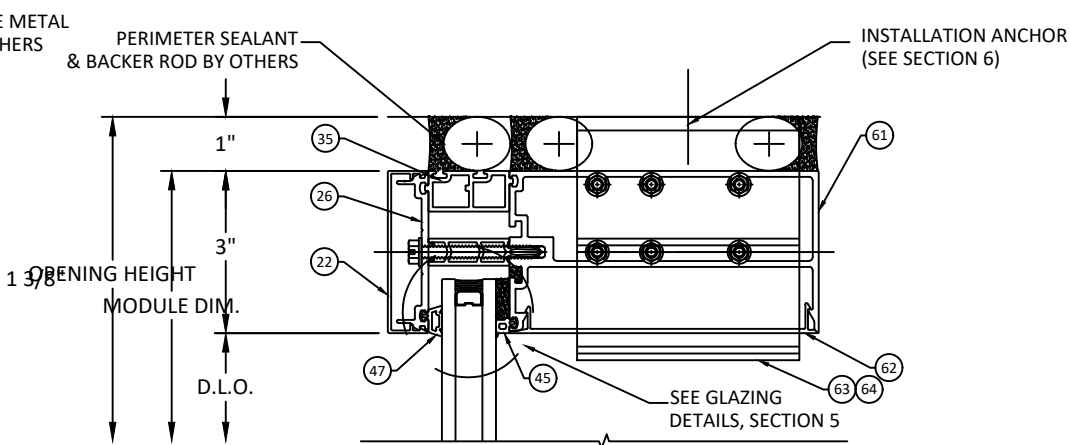
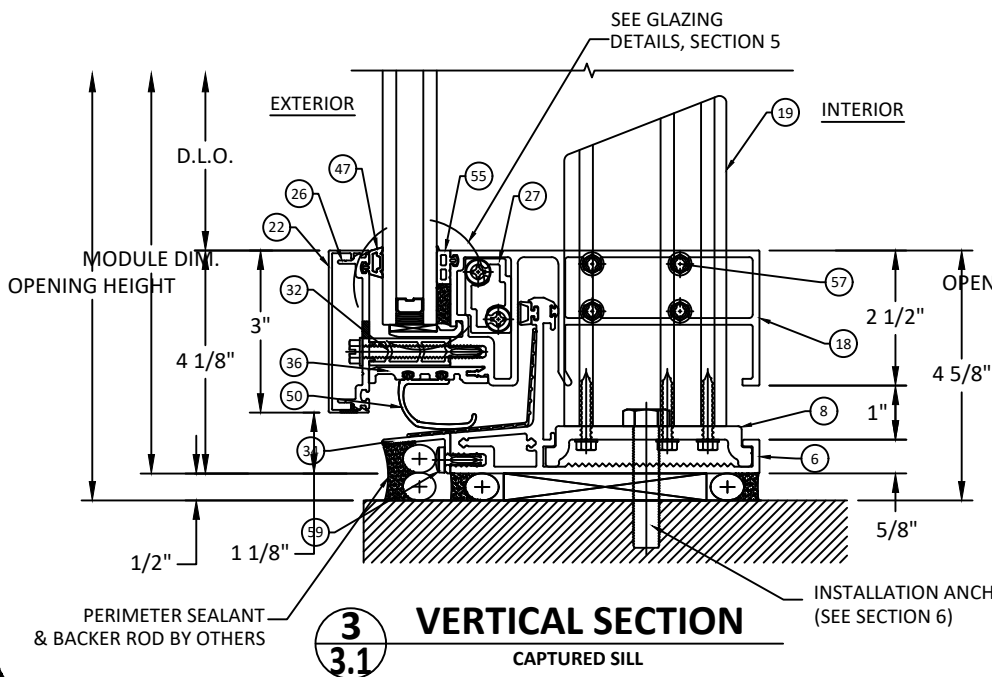
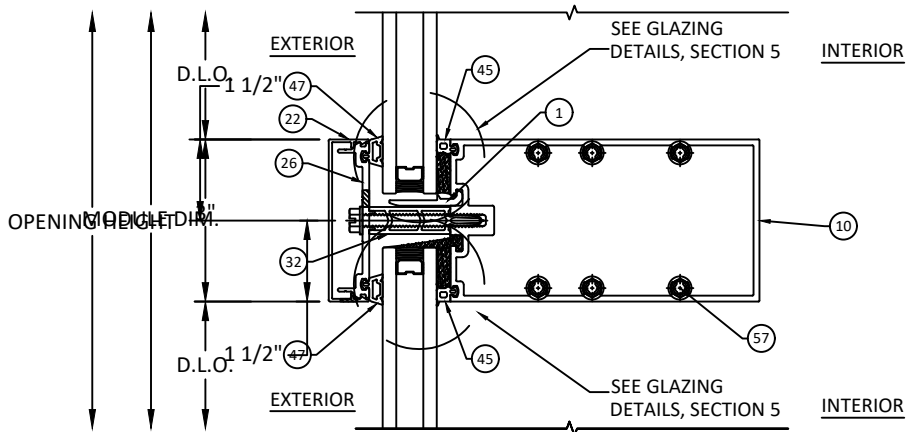
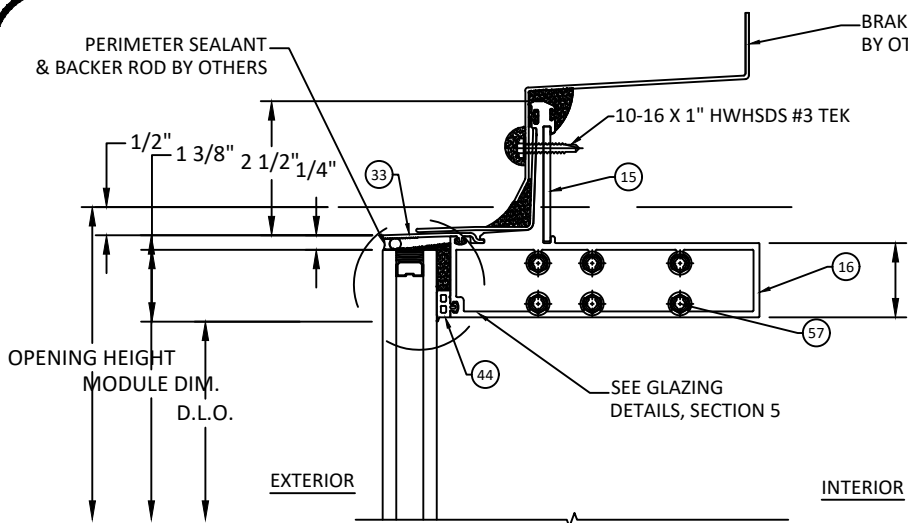
NOTE: 5.75" DEEP PROFILES SHOWN. 6.75" AND 7.75" PROFILES QUALIFIED FOR SAME DETAILS SHOWN



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EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)

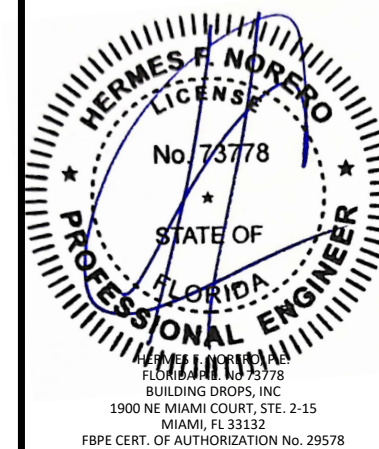
VERTICAL SECTIONS

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1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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FAX: (954)744-4738
WEB: www.buildingdrops.com



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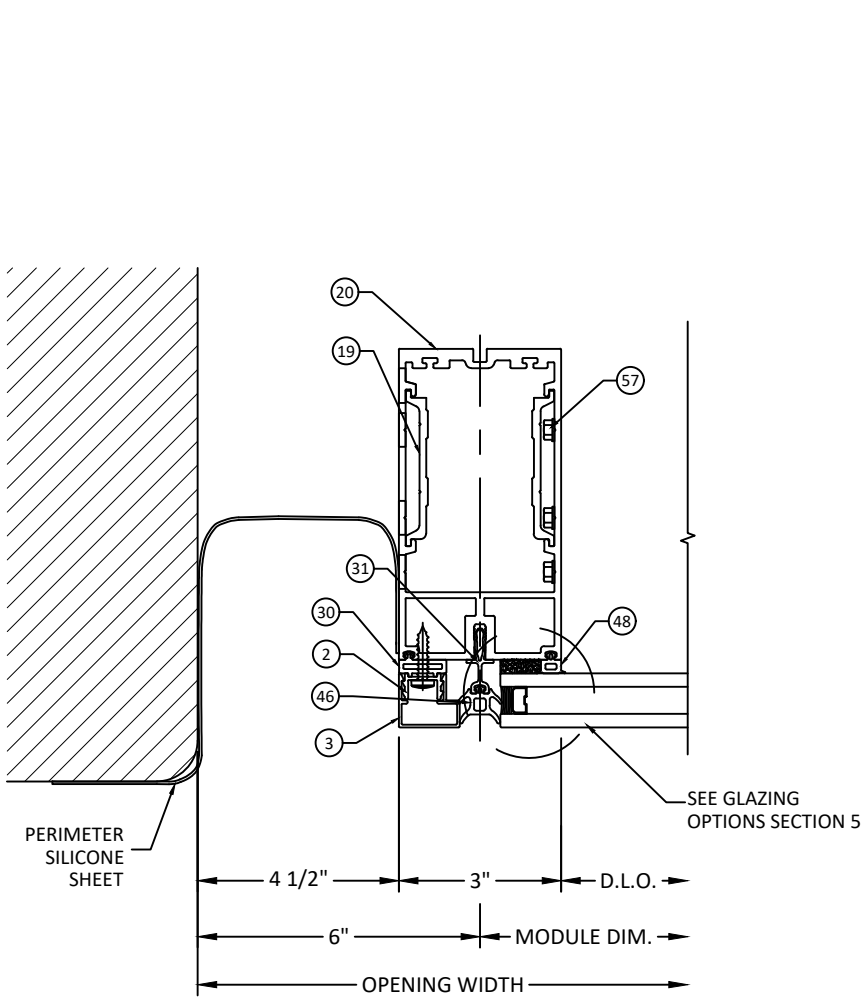
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CHK. BY: HFN

SCALE: NTS

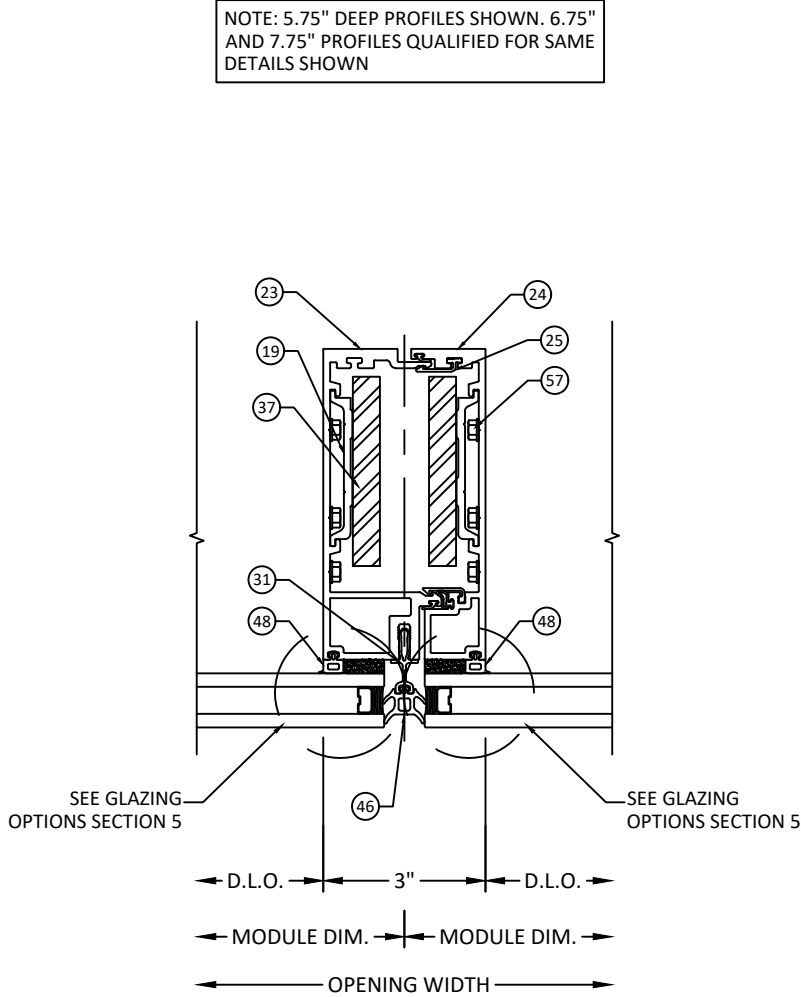
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SECTION:
3.1
[SHEET 4 of 37]

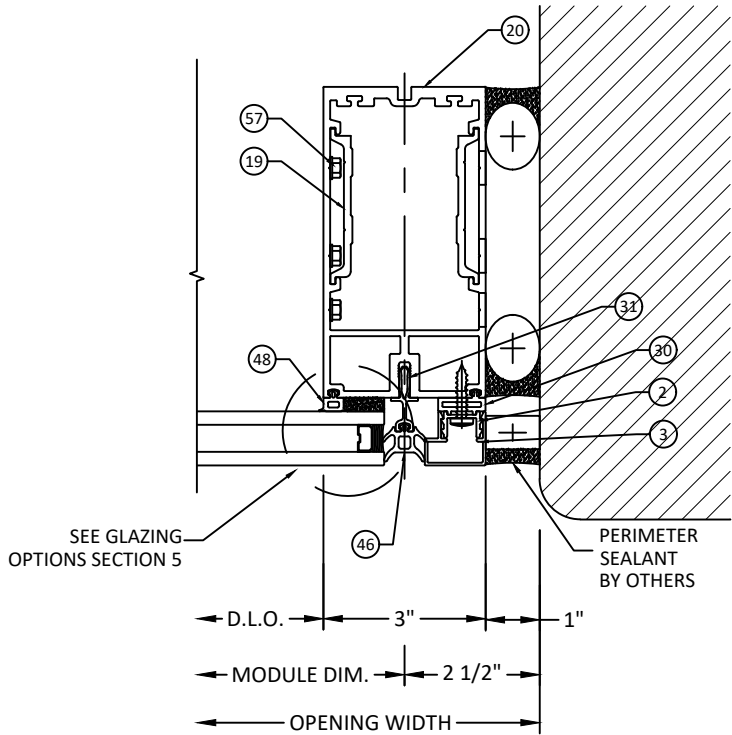
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1
4.0 HORIZONTAL SECTION
SSG



2
4.0 HORIZONTAL SECTION
SSG



3
4.0 HORIZONTAL SECTION
SSG

NOTE: 5.75" DEEP PROFILES SHOWN. 6.75" AND 7.75" PROFILES QUALIFIED FOR SAME DETAILS SHOWN

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 ITEM #37 STEEL REINFORCEMENT TO BE USED AS NECESSARY.

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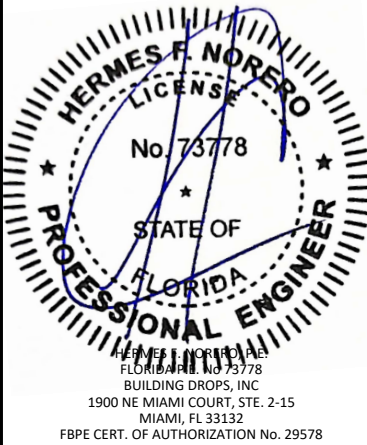
TITLE:
EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)
HORIZONTAL SECTIONS

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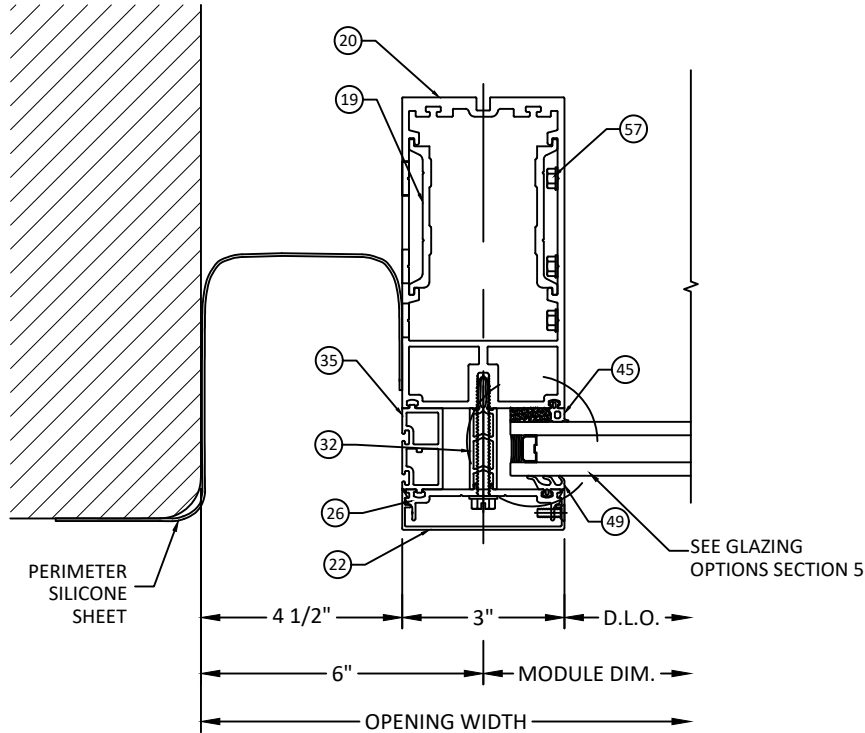
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CHK. BY: **HFN**

SCALE: **NTS**

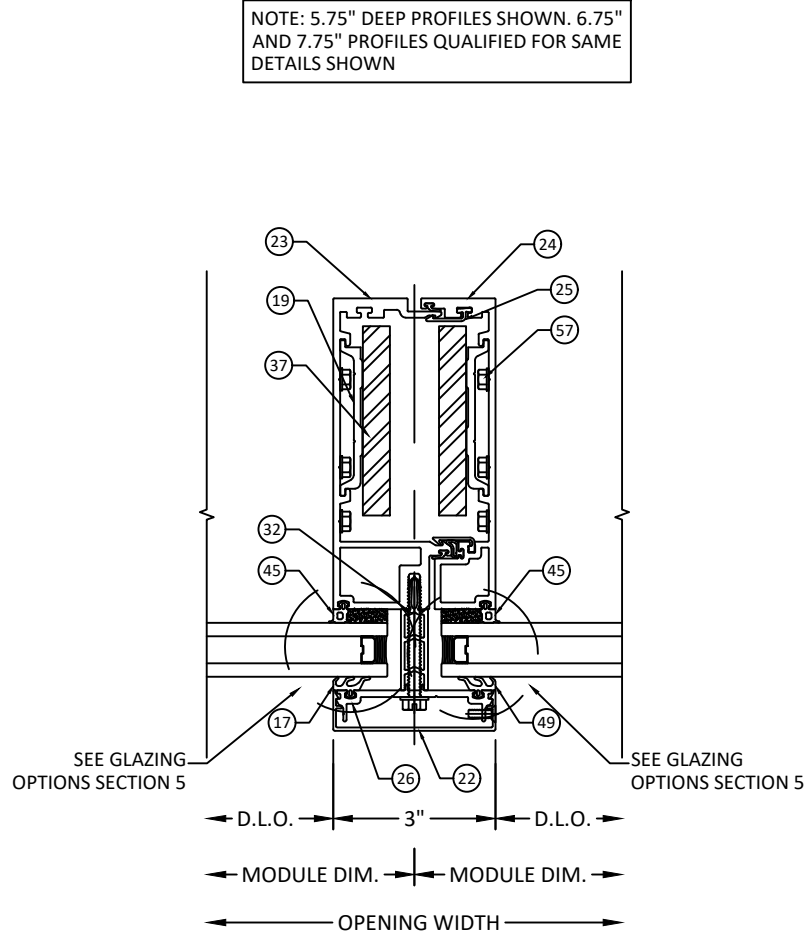
DWG. #: **EAP001**

SECTION:
4.0
(SHEET 5 of 37)

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1
4.1 **HORIZONTAL SECTION**
CAPTURED

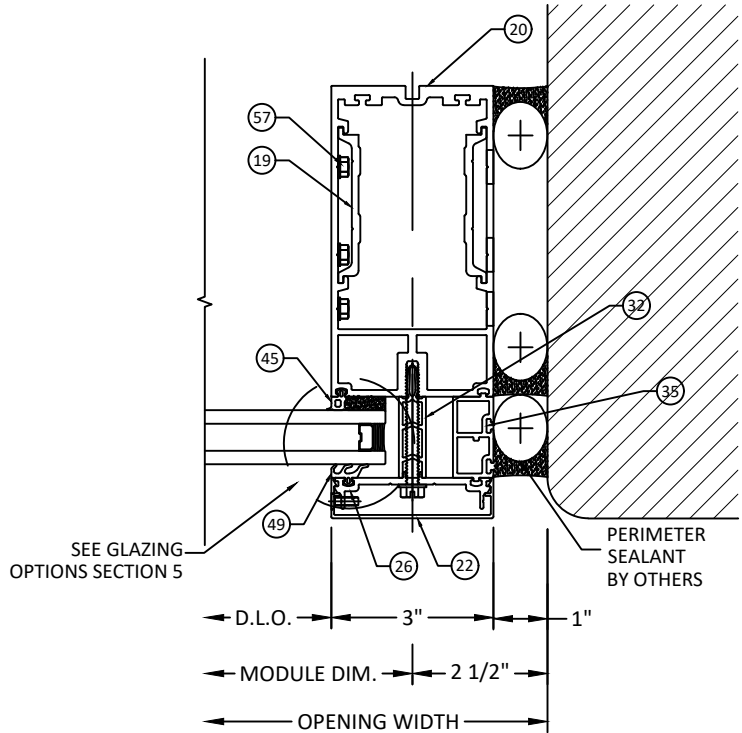


2
4.1 **HORIZONTAL SECTION**
CAPTURED

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NOTE:
BILL OF MATERIALS ITEM #65 STEEL REINFORCEMENT TO BE USED AS NECESSARY.

NOTE: 5.75" DEEP PROFILES SHOWN. 6.75" AND 7.75" PROFILES QUALIFIED FOR SAME DETAILS SHOWN



3
4.1 **HORIZONTAL SECTION**
CAPTURED

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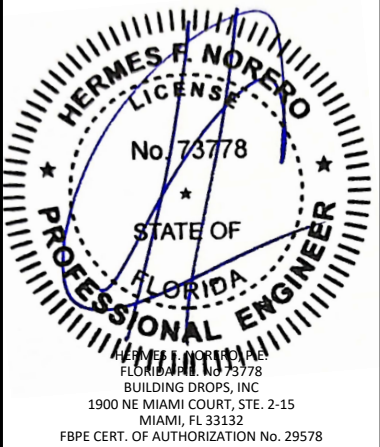
TITLE: EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)
HORIZONTAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.
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REMARKS	BY	DATE

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DWG. BY: **SH** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **EAP001**

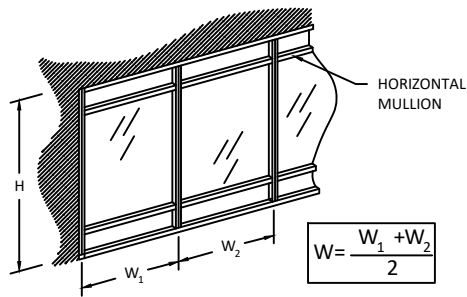
SECTION: **4.1**
[SHEET 6 of 37]

MULLION CAPACITY CHARTS

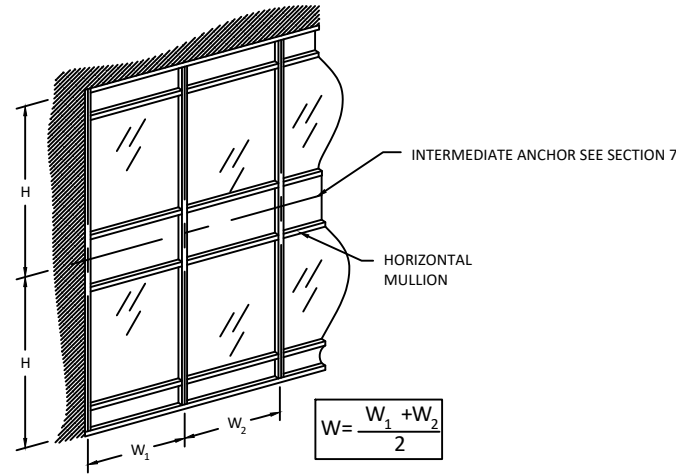
NOTES

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

NOTE: 5.75" DEEP PROFILES SHOWN. 6.75" AND 7.75" PROFILES QUALIFIED FOR SAME DETAILS AND DESIGN PRESSURES SHOWN.

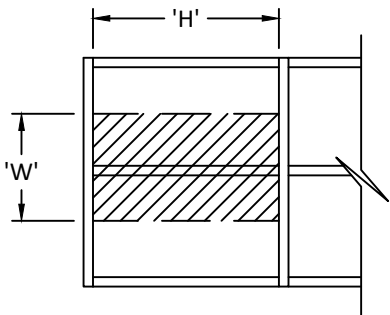


SINGLE SPAN



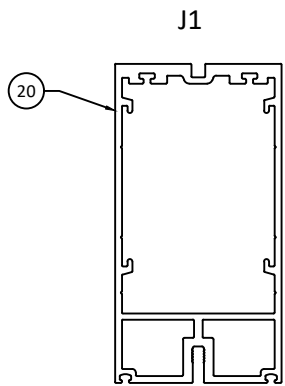
MULTI SPAN

HORIZONTAL MULLIONS LOAD CAPACITY (+/- PSF)		
NOMINAL DIMS.		H1, H2, H3 & H4
TRIB. WIDTH (W) (in.)	SPAN (H) (in.)	EXT. (+) INT. (-)
136	27	55.0
136	33	55.0
118	39	55.0
100	45	55.0
88	51	55.0
82	57	55.0
70	63	47.9
64	69	39.9
58	75	34.3

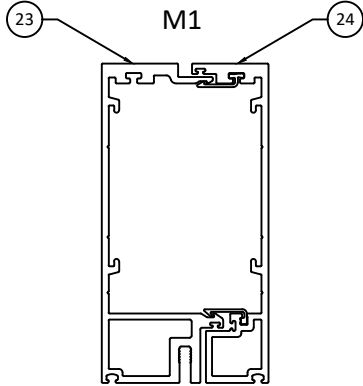


VERTICAL MEMBER SINGLE SPAN NOTES:

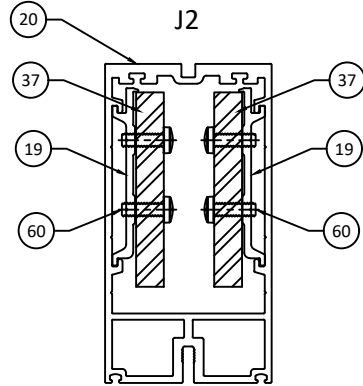
- DETAILS HAVE BEEN SHOWN FOR ILLUSTRATIVE PURPOSES. FOR DETAILS OF FULL ASSEMBLY PLEASE REFER TO APPLICABLE DETAILS ON SECTIONS 3 & 4.
- TABULATED DESIGN PRESSURE VALUES ARE BASED ON LIMITATIONS OF DEFLECTION, FIBERSTRESS, & END REACTION PER MULLION SPAN ('L') AND MULLION SPACING ('W').
- FOR SITE CONDITIONS WHICH EXCEED LIMITATIONS SHOWN, FURTHER ENGINEERING MAY BE REQUIRED ON A CASE BY CASE BASIS.
- FOR ANCHOR DETAILS, PLEASE REFER TO SECTION 6 & 7 FOR ANCHOR SELECTION, SUBSTRATE REQUIREMENTS, AND FURTHER LIMITATIONS OF USE.



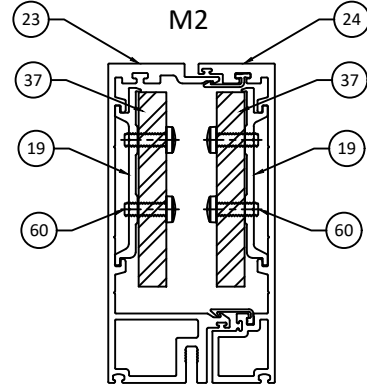
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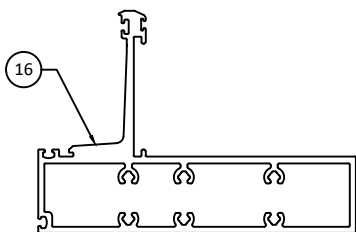
MULLION - SSG/CAPTURED



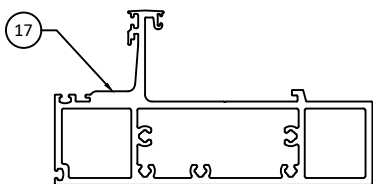
REINFORCED JAMB MULLION - SSG/CAPTURED



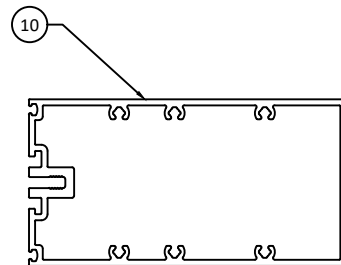
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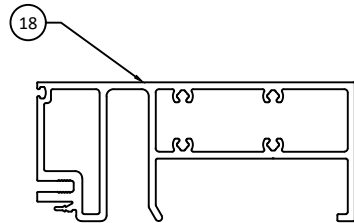
HEAD HORIZONTAL - SSG/CAPTURED



HEAD HORIZONTAL - SSG/CAPTURED



HORIZONTAL - SSG/CAPTURED



SILL HORIZONTAL - SSG/CAPTURED



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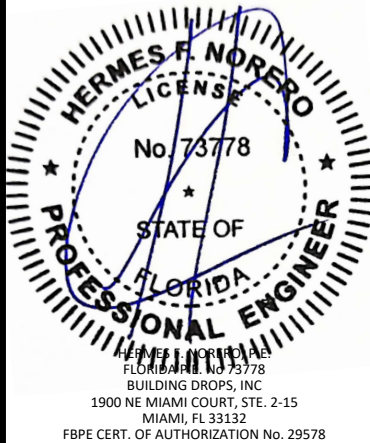
TITLE: EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)
HORIZONTAL SECTIONS (CORNERS)

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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DATE: 02.22.2024

DWG. BY: SH
CHK. BY: HFN

SCALE: NTS

DWG. #: EAP001

SECTION:

4.3

[SHEET 8 of 37]

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MULLION CAPACITY CHARTS

JAMB/MULLION LOAD CAPACITY (+/- PSF)					
NOMINAL DIMS.		JAMB - J1	JAMB - J2	MULLION - M1	MULLION - M2
WIDTH (W) (in.)	SPAN HEIGHT (H) (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	92	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0
72		55.0	55.0	55.0	55.0
78		55.0	55.0	55.0	55.0
84		55.0	55.0	55.0	55.0
90		55.0	55.0	55.0	55.0
30	98	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0
72		55.0	55.0	55.0	55.0
78		55.0	55.0	55.0	55.0
84		55.0	55.0	55.0	55.0
90		55.0	55.0	55.0	55.0
30	104	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0
72		55.0	55.0	55.0	55.0
78		55.0	55.0	55.0	55.0
84		55.0	55.0	55.0	55.0
90		55.0	55.0	55.0	55.0
30	110	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0
72		55.0	55.0	55.0	55.0
78		55.0	55.0	55.0	55.0
84		55.0	55.0	55.0	55.0

JAMB/MULLION LOAD CAPACITY (+/- PSF)					
NOMINAL DIMS.		JAMB - J1	JAMB - J2	MULLION - M1	MULLION - M2
WIDTH (W) (in.)	SPAN HEIGHT (H) (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	116	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0
72		55.0	55.0	55.0	55.0
78		55.0	55.0	55.0	55.0
84		55.0	55.0	55.0	55.0
30	122	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0
72		55.0	55.0	55.0	55.0
78		55.0	55.0	55.0	55.0
84		55.0	55.0	55.0	55.0
30	128	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0
72		55.0	55.0	55.0	55.0
78		55.0	55.0	55.0	55.0
84		55.0	55.0	55.0	55.0
30	134	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0
72		55.0	55.0	55.0	55.0
78		55.0	55.0	55.0	55.0
84		55.0	55.0	55.0	55.0
30	140	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0
72		55.0	55.0	55.0	55.0
78		55.0	55.0	55.0	55.0
84		55.0	55.0	55.0	55.0

JAMB/MULLION LOAD CAPACITY (+/- PSF)					
NOMINAL DIMS.		JAMB - J1	JAMB - J2	MULLION - M1	MULLION - M2
WIDTH (W) (in.)	SPAN HEIGHT (H) (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	146	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0
30	152	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
30	158	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0
30	164.75	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0
60		55.0	55.0	54.1	55.0
30	170	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		55.0	55.0	54.7	55.0
30	176	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0
54		50.1	55.0	49.4	50.1
30	182	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0
48		51.0	55.0	50.2	51.0
54		45.3	55.0	44.7	45.3
30	188	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0
42		52.9	55.0	52.0	52.9
48		46.3	55.0	45.6	46.3



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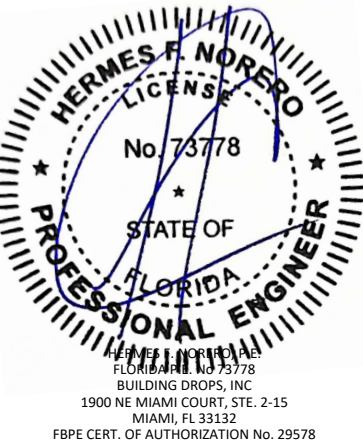
TITLE:
EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)
MULLION CAPACITY CHART

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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REMARKS	BY	DATE

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DATE: 02.22.2024

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CHK. BY: HFN

SCALE: NTS

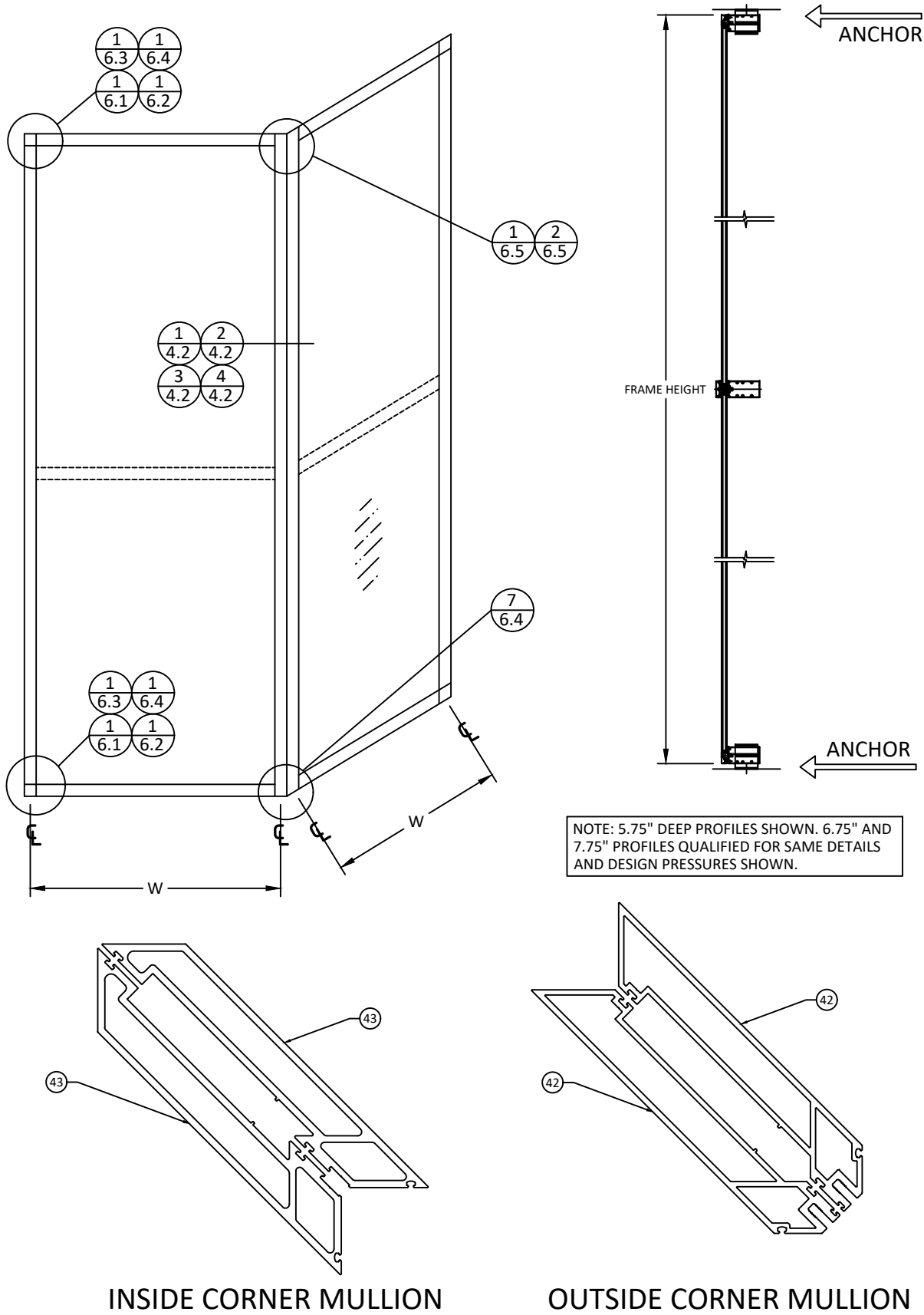
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SECTION:
44
[SHEET 9 of 37]

s:\projects\erie architectural products\lbc-23-0866 - lbc submittal - ef30 uw curtain wall system n\dwgs\ean001 - fl dwgs\1 thru 4 - cover, elev, vert & horz.dtl.dwg 2/23/2024 12:00 PM

CORNER MULLIONS - CAPACITY CHART

CORNER MULLION W/O REINFORCING
WITH OR WITHOUT HORIZONTAL



CORNER MULLION LOAD CAPACITY (+/- PSF)		
NOMINAL DIMS.		CORNER MULLION
WIDTH (W) (in.)	SPAN HEIGHT (H) (in.)	EXT. (+) INT. (-)
30	92	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
66		55.0
72		55.0
78		55.0
84		55.0
90	98	55.0
30		55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
66		55.0
72		55.0
78		55.0
84	104	55.0
90		55.0
30		55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
66		55.0
72		55.0
78	110	55.0
84		55.0
90		55.0
30		55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
66		55.0

CORNER MULLION LOAD CAPACITY (+/- PSF)		
NOMINAL DIMS.		CORNER MULLION
WIDTH (W) (in.)	SPAN HEIGHT (H) (in.)	EXT. (+) INT. (-)
30	116	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
66		55.0
72		55.0
78		55.0
84		55.0
30	122	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
66		55.0
72		55.0
78		55.0
30	128	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
66		55.0
72		55.0
78		55.0
30	134	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
66		55.0
72		55.0
78		55.0
30	140	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
66		55.0

CORNER MULLION LOAD CAPACITY (+/- PSF)		
NOMINAL DIMS.		CORNER MULLION
WIDTH (W) (in.)	SPAN HEIGHT (H) (in.)	EXT. (+) INT. (-)
30	146	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
66		55.0
30	152	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
30	158	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
30	165	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
30	170	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
30	176	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
30	182	55.0
36		55.0
42		55.0
48		55.0
54		55.0
60		55.0
30	188	55.0
36		55.0
42		55.0
48		55.0



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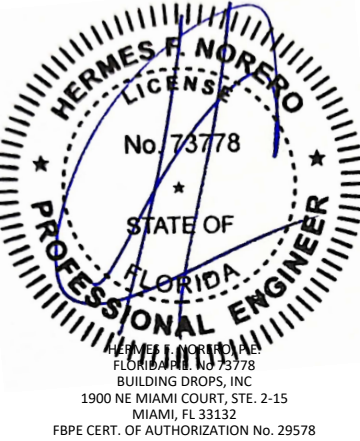
EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)
MULLION CAPACITY CHART

PREPARED BY:
BUILDING DROPS, INC.
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MIAMI, FL 33132
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FAX: (954)744-4738
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REMARKS	BY	DATE

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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 #:
FL46554

DATE: 02.22.2024

DWG. BY: SH
CHK. BY: HFN

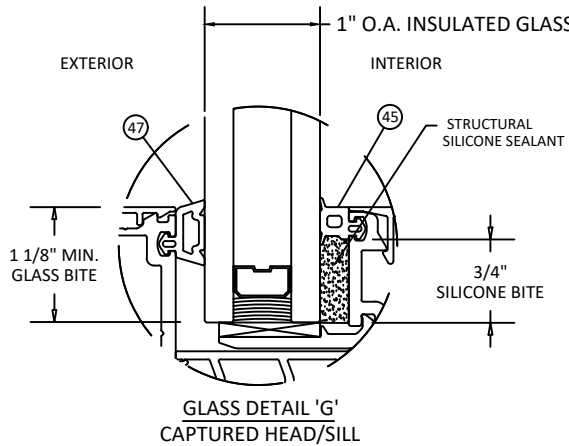
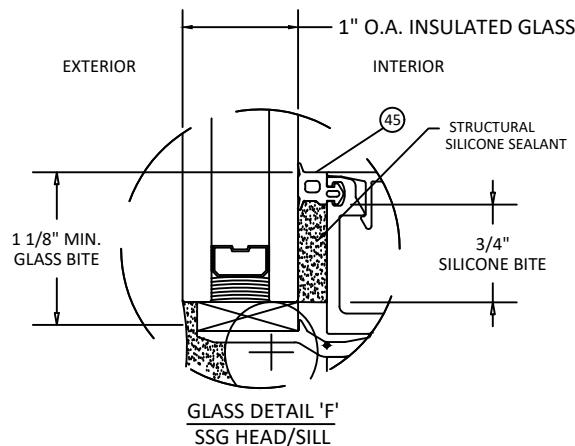
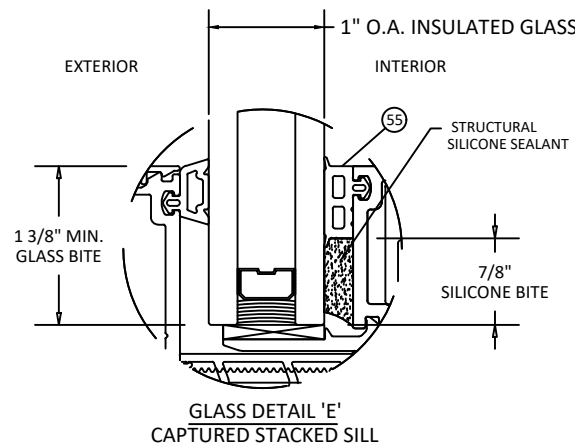
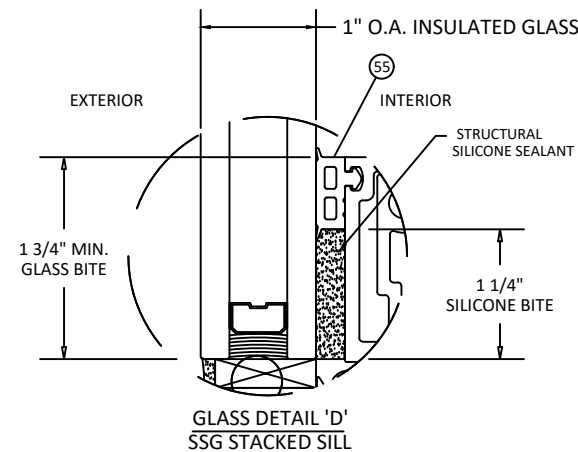
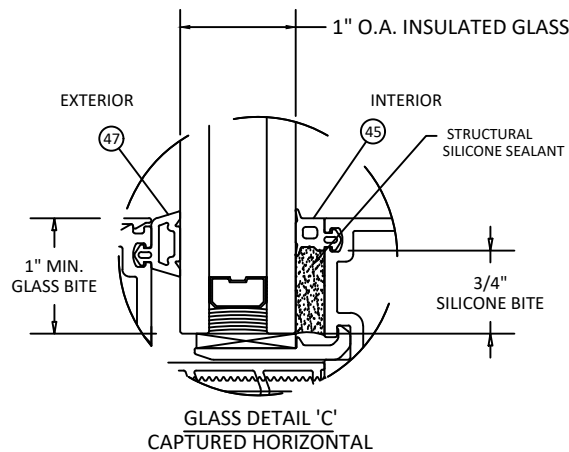
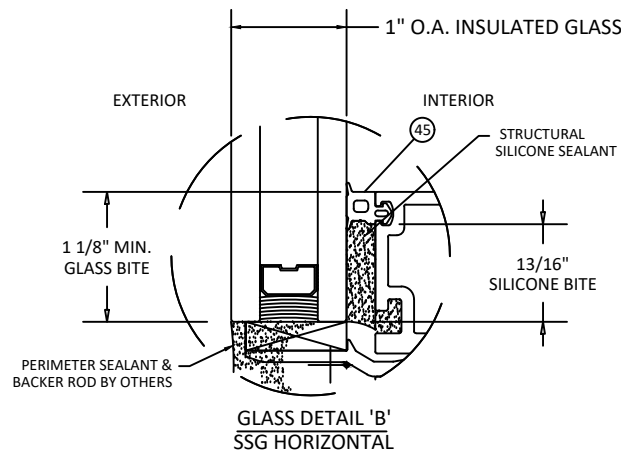
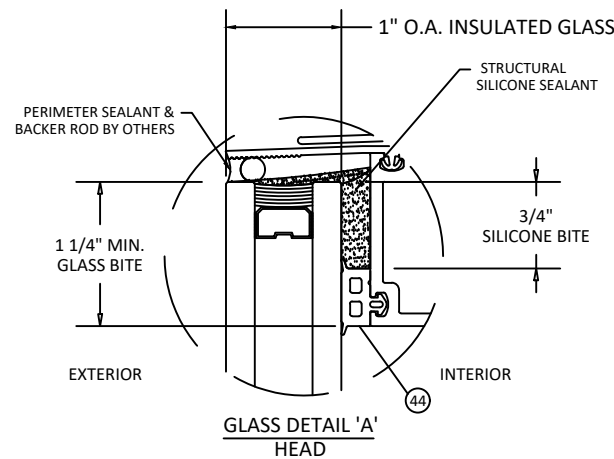
SCALE: NTS

DWG. #: EAP001

SECTION:
4.5
[SHEET 10 of 37]

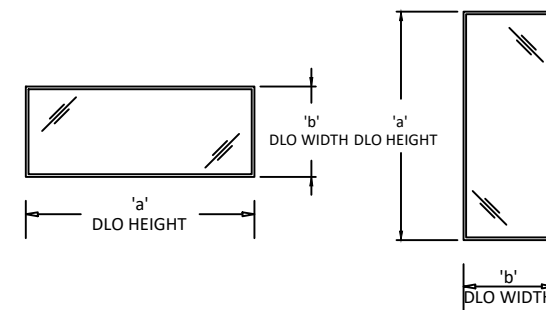
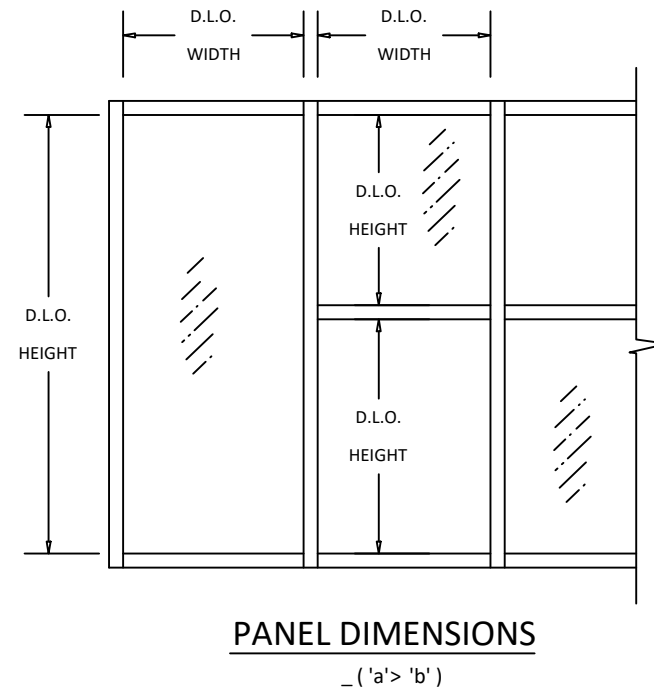
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GLASS OPTIONS



- * NOTE:
1. GLASS TYPE AND THICKNESS SHALL COMPLY WITH THE REQUIREMENTS OF ASTM E1300 AND FBC SAFETY GLAZING REQUIRMENTS.
 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.

REFER TO 5.1 FOR GLASS CAPACITY CHARTS.



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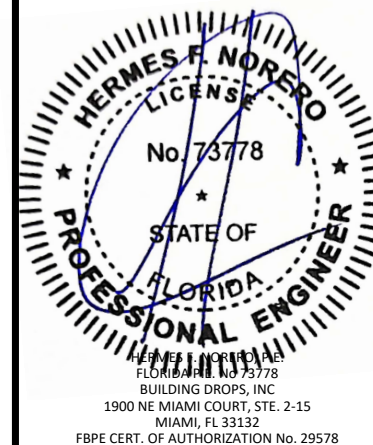
TITLE: EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)
GLAZING DETAILS

PREPARED BY: BUILDING DROPS, INC.
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FL #: **FL46554**

DATE: **02.22.2024**

DWG. BY: **SH** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **EAP001**

SECTION: **5.0**
(SHEET 11 of 37)

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GLASS LOAD CAPACITY

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		1" O.A. IG GLASS	
DLO WIDTH 'a' (in.)	DLO HEIGHT 'b' (in.)	EXT. (+)	INT. (-)
27	69	55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51		55.0	55.0
57		55.0	55.0
63		49.8	49.8
69		45.4	45.4
75		49.4	49.4
81		51.0	51.0
87		45.2	45.2
27	75	55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51		55.0	55.0
57		55.0	55.0
63		49.8	49.8
69		45.4	45.4
75		41.8	41.8
81		45.1	45.1
87		47.9	47.9
27	81	55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51		55.0	55.0
57		55.0	55.0
63		49.8	49.8
69		45.4	45.4
75		41.8	41.8
81		38.7	38.7

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		1" O.A. IG GLASS	
DLO WIDTH 'a' (in.)	DLO HEIGHT 'b' (in.)	EXT. (+)	INT. (-)
27	87	55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51		55.0	55.0
57		55.0	55.0
63		49.8	49.8
69		45.4	45.4
75		41.8	41.8
27		55.0	55.0
33	93	55.0	55.0
39		55.0	55.0
45		55.0	55.0
51		55.0	55.0
57		55.0	55.0
63		49.8	49.8
69		45.4	45.4
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45	99	55.0	55.0
51		55.0	55.0
57		55.0	55.0
63		49.8	49.8
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51		55.0	55.0
57		55.0	55.0
63	105	49.8	49.8
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51		55.0	55.0
57		55.0	55.0
63		49.8	49.8
27		55.0	55.0
33		55.0	55.0
39	111	55.0	55.0
45		55.0	55.0
51		55.0	55.0
57		55.0	55.0

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		1" O.A. IG GLASS	
DLO WIDTH 'a' (in.)	DLO HEIGHT 'b' (in.)	EXT. (+)	INT. (-)
27	117	55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51		55.0	55.0
57		55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51	123	55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51		55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51	129	55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51		55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51	135	55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51	141	55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51	147	55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51	153	55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0
45		55.0	55.0
51	159	55.0	55.0
27		55.0	55.0
33		55.0	55.0
39		55.0	55.0

- GLASS TABLE NOTES:
- GLASS TYPE AND THICKNESS SHALL COMPLY WITH THE REQUIREMENTS OF ASTM E1300 AND FBC SAFETY GLAZING REQUIREMENTS.
 - GLASS CAPACITIES ARE LIMITED BY THE RESULTS OF COMPARATIVE ANALYSIS IN ACCORDANCE WITH CHAPTER 17 OF THE CURRENT FBC.
 - WHERE REQUIRED, TEMPERED GLASS IS REQUIRED TO BE USED TO COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CHAPTER 24 OF THE CURRENT FBC.
 - ALL GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE APPROVED SETTING BLOCKS IN ACCORDANCE WITH CHAPTER 24 OF THE CURRENT FBC.



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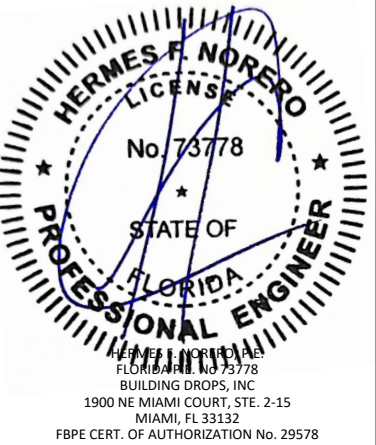
TITLE:
EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)(NON-IMPACT)
GLAZING DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
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PH: (954)399-8478
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REMARKS	BY	DATE

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FL #:
FL46554

DATE: 02.22.2024

DWG. BY: SH
CHK. BY: HFN

SCALE: NTS

DWG. #: EAP001

SECTION:
5.1
[SHEET 12 of 37]

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ANCHOR TYPES

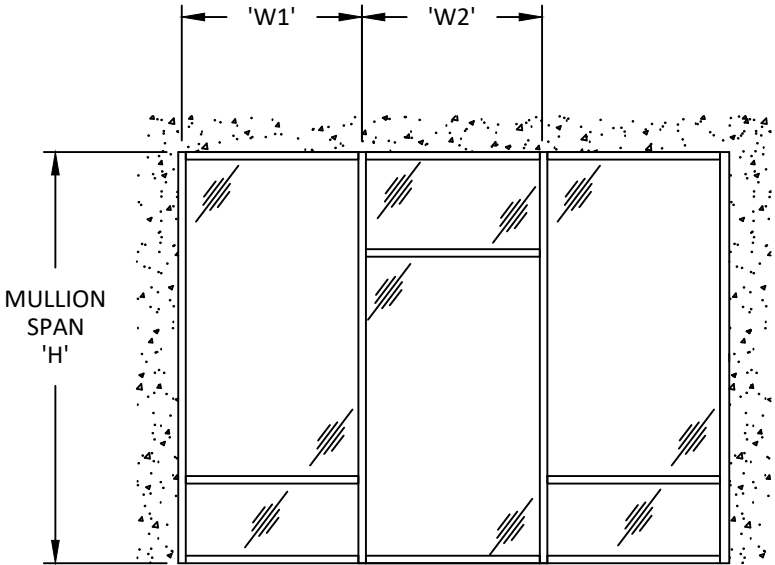
TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MIN. EDGE DISTANCE	MIN. EMBEDMENT
A	1/2"	DEWALT POWER-BOLT+	MIN. 3000 PSI CONCRETE	4-1/2"	3-1/4"
B	1/2"	SELF-TAPPING GR.5 SCREW	MIN. 1/4" THICK, A36 STEEL	1-1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT
C	1/2"	DEWALT SCREW-BOLT+	MIN. 3000 PSI CONCRETE	4-1/2"	4-1/4"
D	1/2"	ITW RED HEAD LDT	MIN. 3000 PSI CONCRETE	4-1/2"	4-1/2"
E	3/8"	DEWALT POWER-BOLT+	MIN. 3000 PSI CONCRETE	4-1/2"	2-3/4"
F	3/8"	DEWALT SCREW-BOLT+	MIN. 3000 PSI CONCRETE	4-1/2"	4-1/2"
G	3/8"	ITW RED HEAD LDT	MIN. 3000 PSI CONCRETE	4-1/2"	3-1/2"
H	3/8"	SELF-TAPPING GR.5 SCREW	MIN. 1/4" THICK, A36 STEEL	1-1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT
I	1/4"	DEWALT ULTRACON+	MIN. 3000 PSI CONCRETE	2-1/2"	1-3/4"
			WOOD (MIN. SG. = 0.55)	1-3/4"	1-1/2"
J	1/4"	SELF-TAPPING GR.5 SCREW	MIN. 1/4" THICK, A36 STEEL	1-1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT

NOTE:

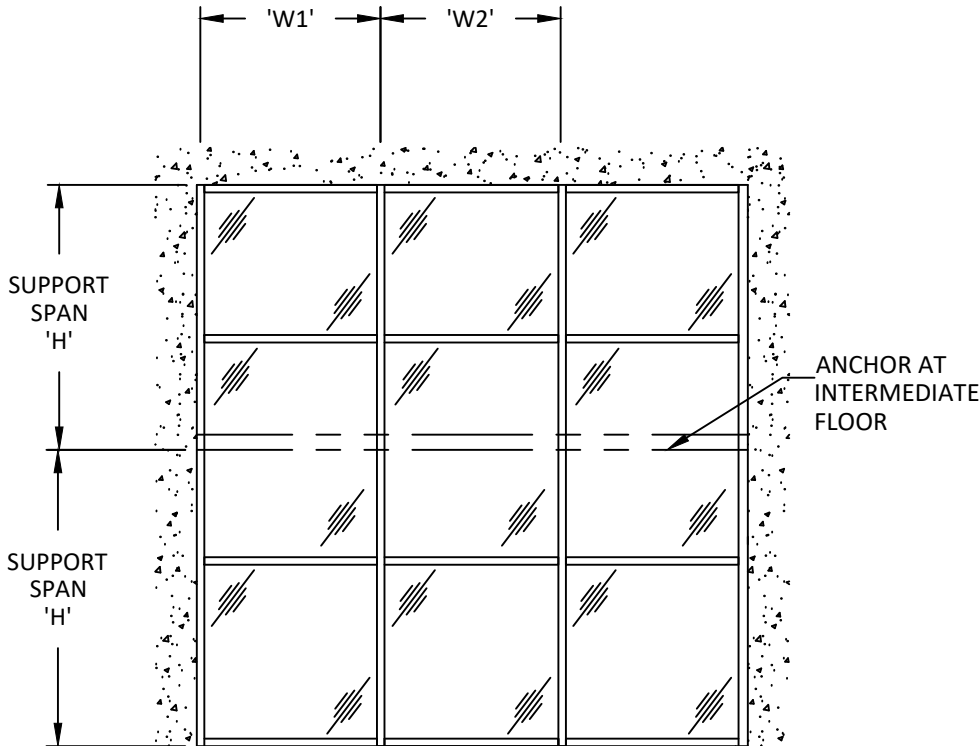
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- REFER TO ANCHOR LAYOUTS AT RIGHT FOR LOCATIONS AND DETERMINING MAX. LENGTHS (L) AND TRIBUTARY WIDTHS (W).
- FOR SITE CONDITIONS NOT SHOWN IN THE DETAILS HEREIN OR EDGE DISTANCE REQUIREMENTS TO BE MODIFIED, ANCHORS MAY BE ENGINEERED ON A SITE SPECIFIC BASIS.
- REFER TO SECTION 6.1-6.5 DETAILS FOR ANCHOR CONFIGURATIONS.
- REFER TO SECTION 6.6 & 6.6A DETAILS FOR ANCHOR TYPE CAPACITIES.

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



SINGLE SPAN ANCHOR LAYOUT



MULTI SPAN ANCHOR LAYOUT - TYP.



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PH: (800)878-1861

TITLE: EF 30 UW CURTAIN WALL SYSTEM (NON-HVHZ)/(NON-IMPACT)

ANCHOR DETAILS

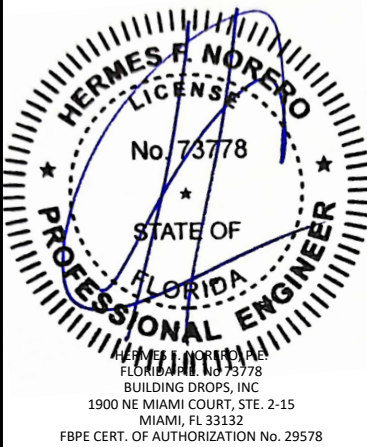
PREPARED BY: BUILDING DROPS, INC.

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MIAMI, FL 33132
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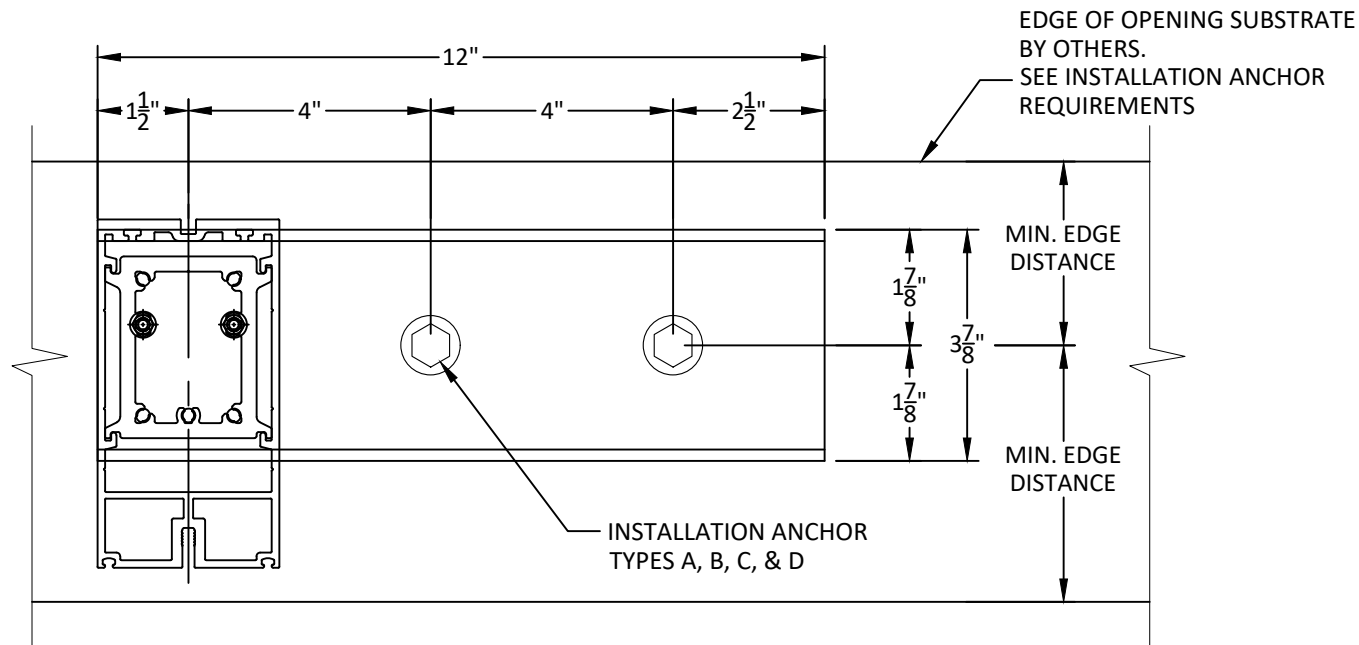
REMARKS	BY	DATE

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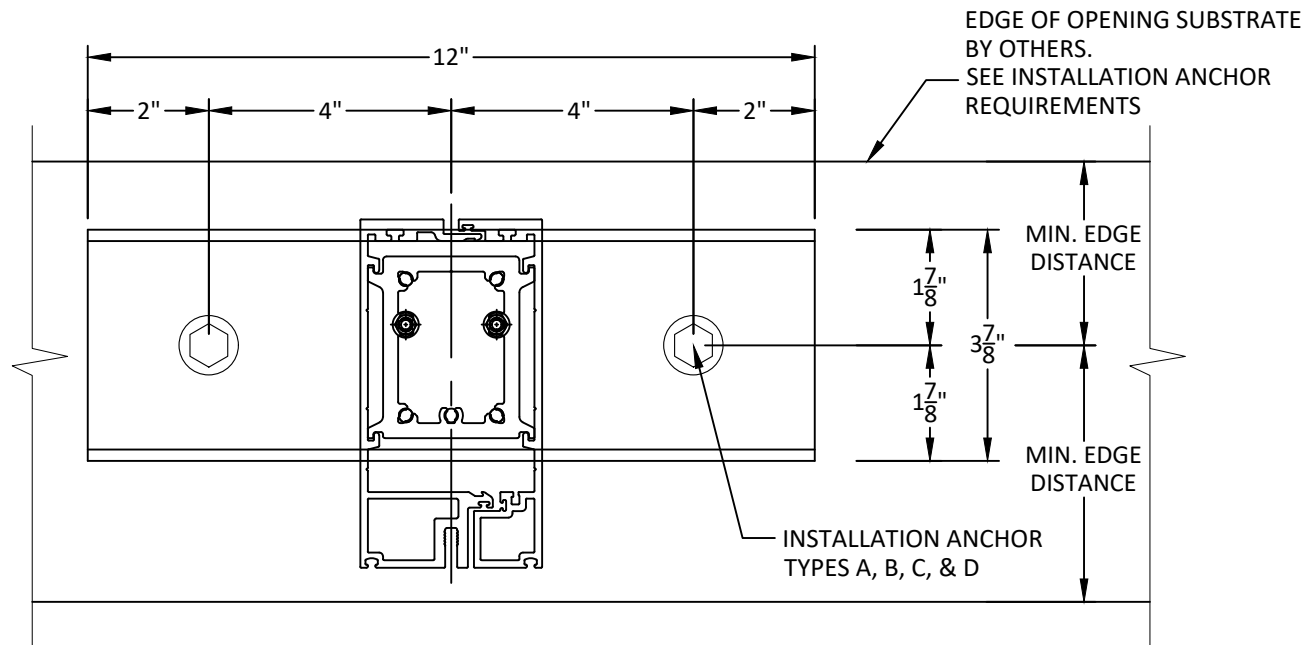
FL #:	FL46554
DATE:	02.22.2024
DWG. BY:	SH
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	EAP001
SECTION:	6.0

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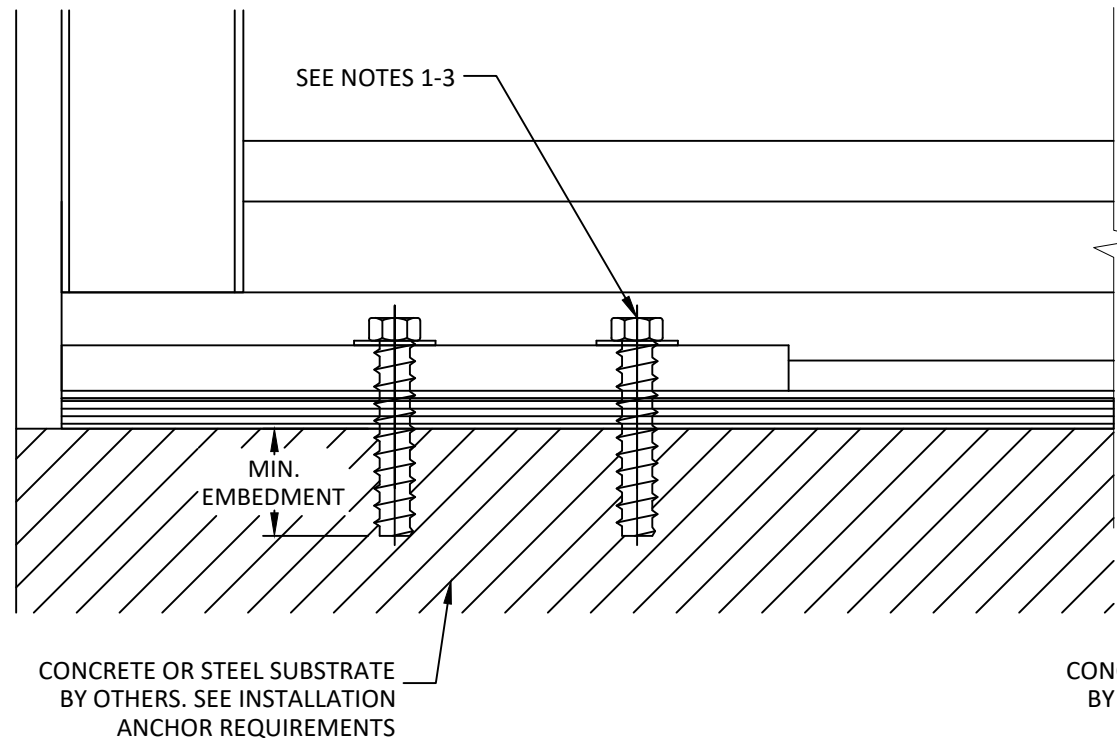
1 HORIZONTAL SECTION
6.1 SILL STARTER AT JAMB
CONFIG 1

- 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 6 & 7.

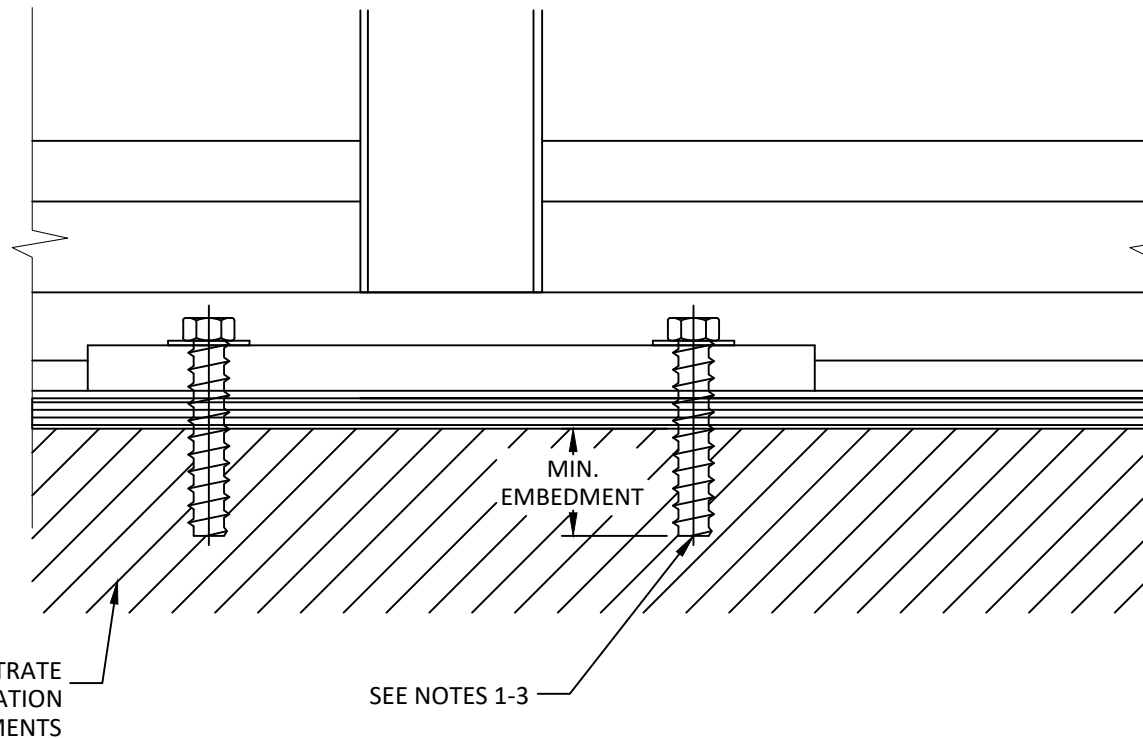


2 HORIZONTAL SECTION
6.1 SILL STATER AT MULLION
CONFIG 1

NOTE: 5.75" DEEP PROFILES SHOWN. 6.75" AND 7.75" PROFILES QUALIFIED FOR SAME DETAILS AND DESIGN PRESSURES SHOWN.



EXTERIOR VIEW
JAMB-ANCHOR (TYPICAL)



EXTERIOR VIEW
MULLION-ANCHOR (TYPICAL)



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PH: (800)878-1861

TITLE:
EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)

ANCHOR DETAILS

PREPARED BY:

BUILDING DROPS, INC.

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MIAMI, FL 33132

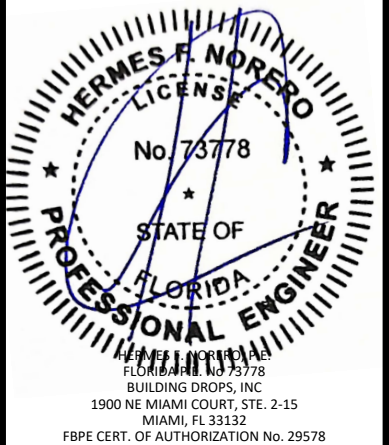
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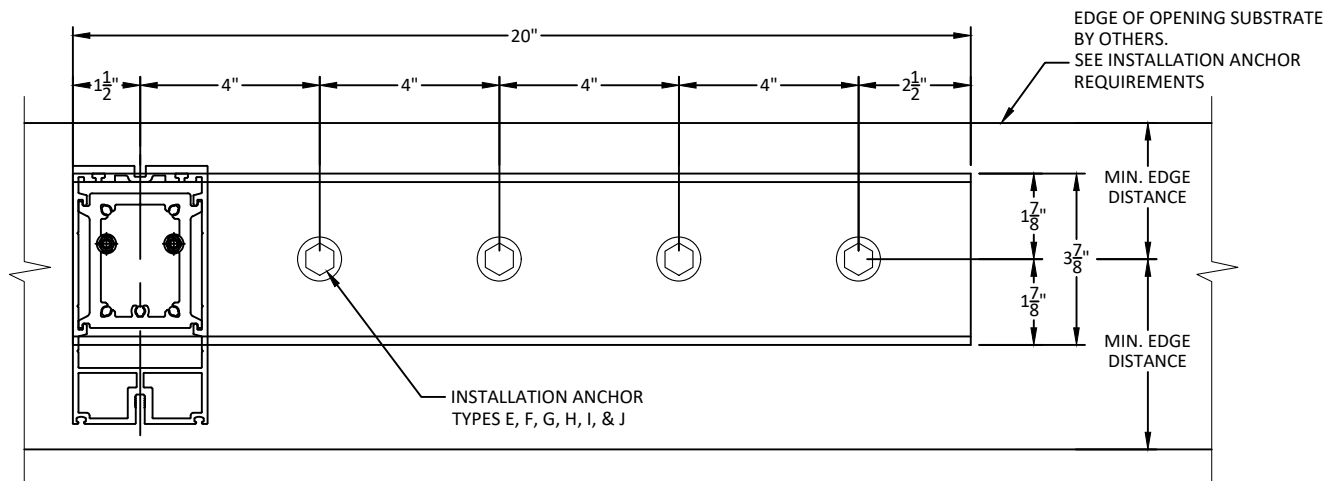
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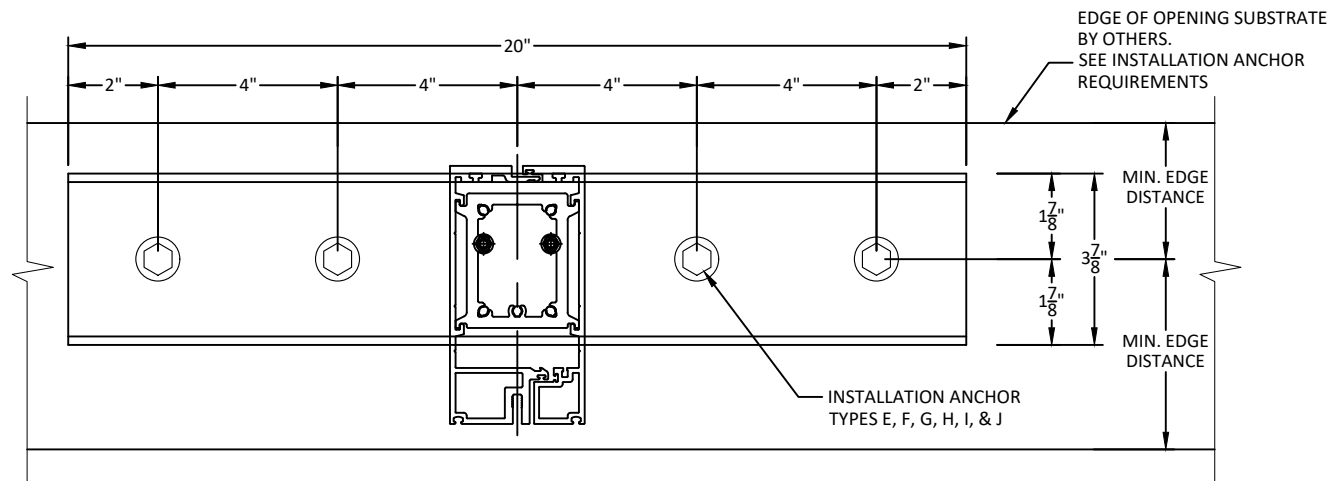
FL #:	FL46554
DATE:	02.22.2024
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	EAP001
SECTION:	6.1

[SHEET 14 of 37]

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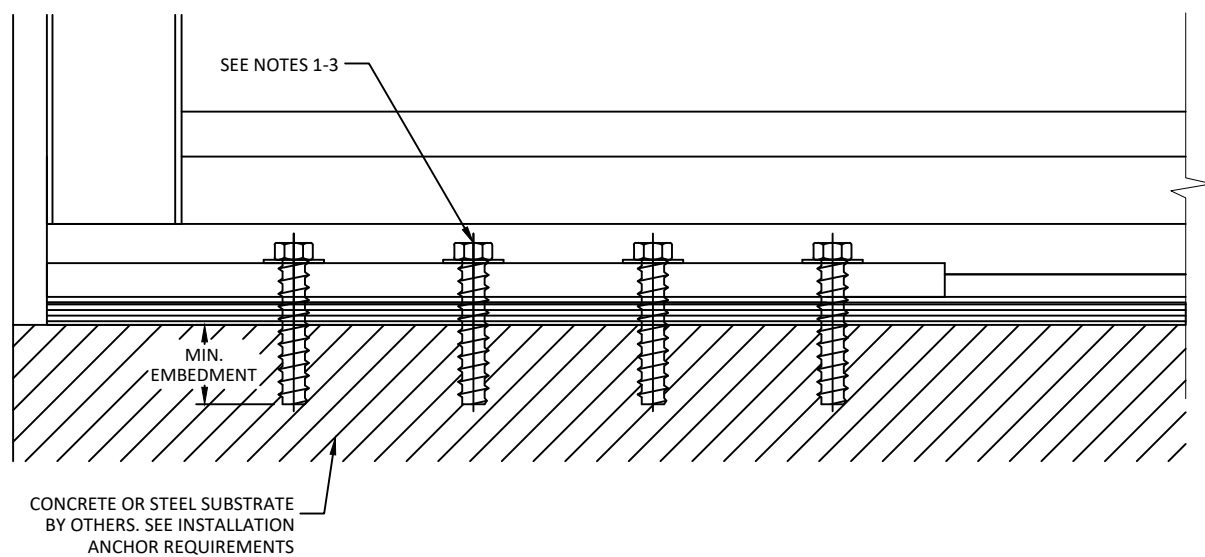
1 **HORIZONTAL SECTION**
6.2 SILL STARTER AT JAMB
CONFIG 2



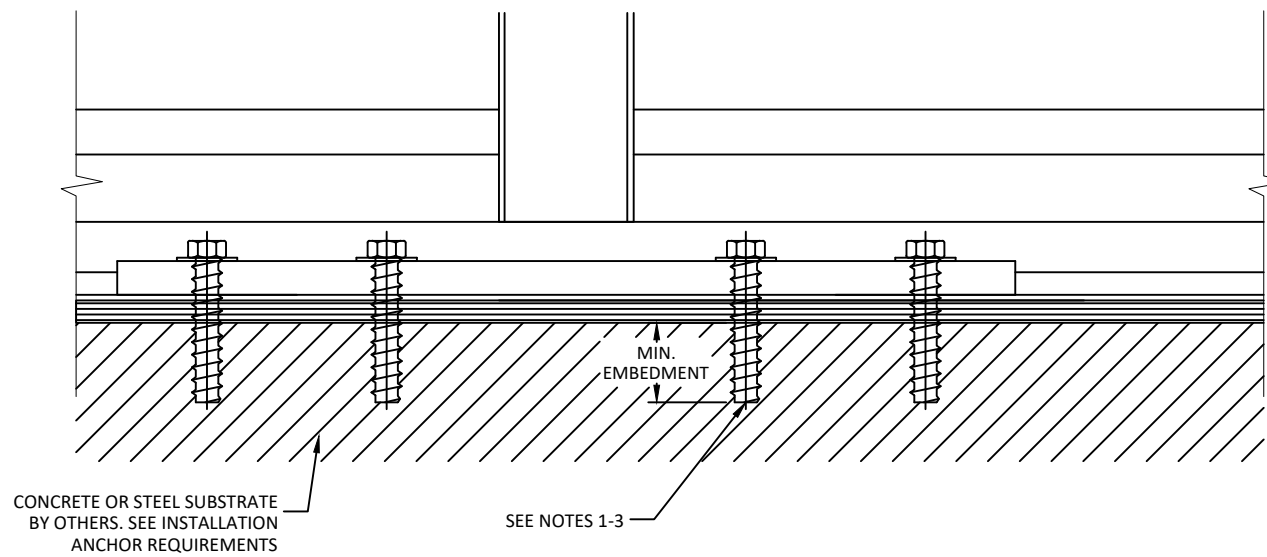
2 **HORIZONTAL SECTION**
6.2 SILL STATER AT MULLION
CONFIG 2

NOTE:
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NOTE: 5.75" DEEP PROFILES SHOWN. 6.75" AND 7.75" PROFILES QUALIFIED FOR SAME DETAILS AND DESIGN PRESSURES SHOWN.



EXTERIOR VIEW
JAMB-ANCHOR (TYPICAL)



EXTERIOR VIEW
MULLION-ANCHOR (TYPICAL)



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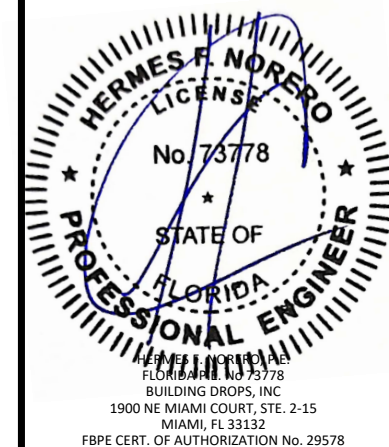
TITLE: EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)(NON-IMPACT)
ANCHOR DETAILS

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DATE: **02.22.2024**

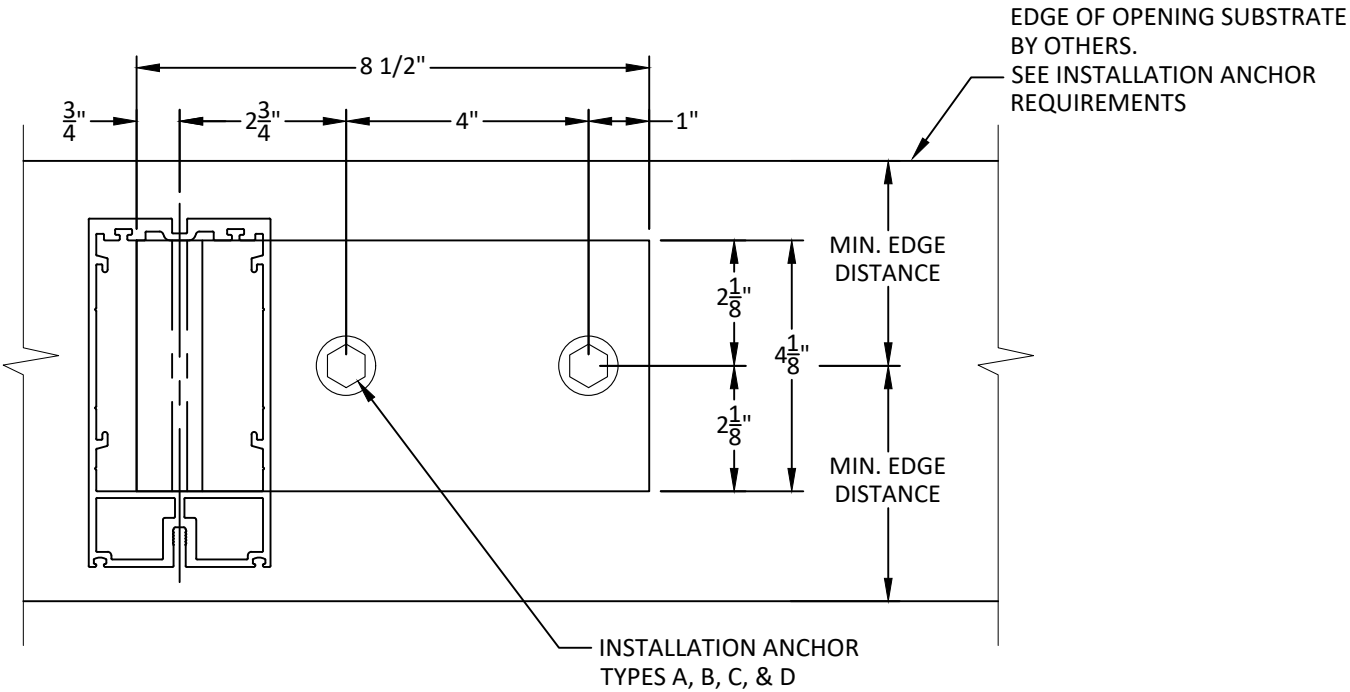
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SCALE: **NTS**

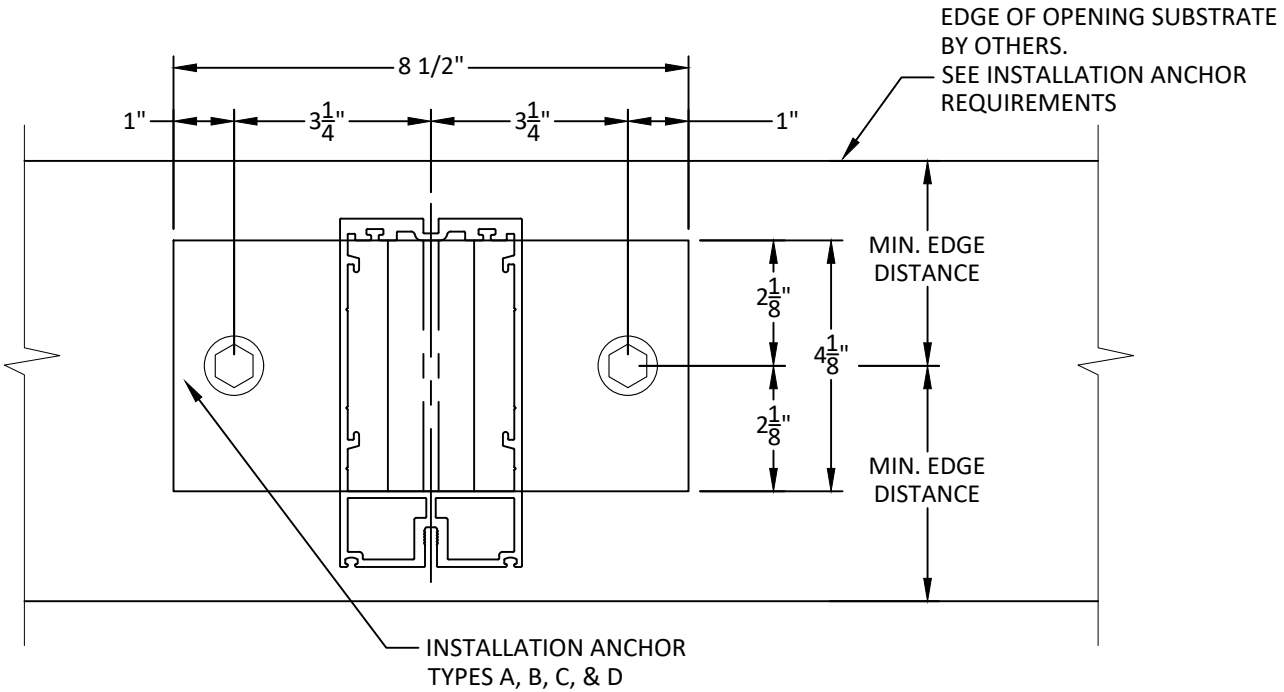
DWG. #: **EAP001**

SECTION:
6.2
[SHEET 15 of 37]

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1 **HORIZONTAL SECTION**
6.3 F CLIP AT JAMB
CONFIG 1

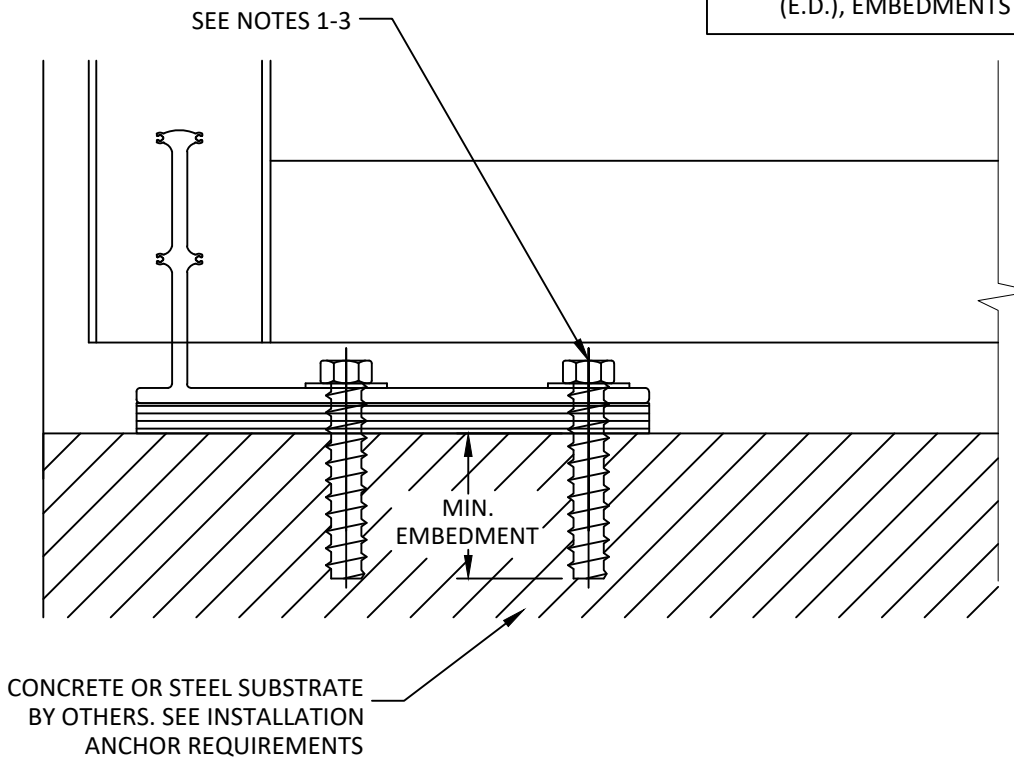


2 **HORIZONTAL SECTION**
6.3 T-CLIP AT MULLION
CONFIG 1

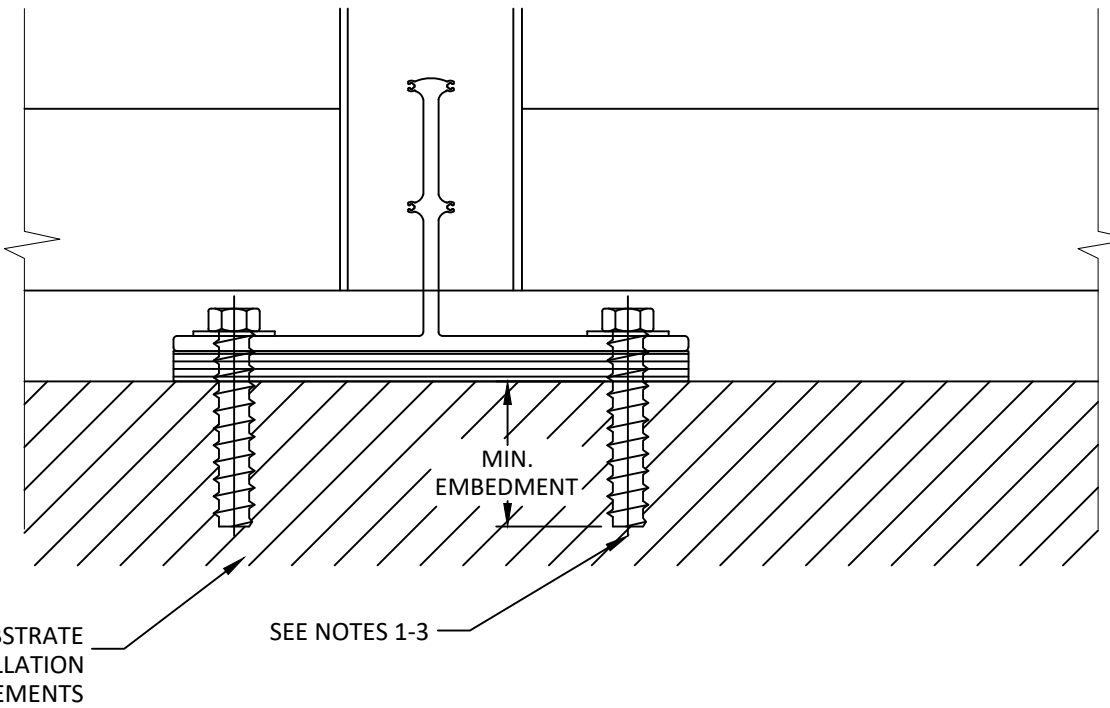
NOTE:

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NOTE: 5.75" DEEP PROFILES SHOWN. 6.75" AND 7.75" PROFILES QUALIFIED FOR SAME DETAILS AND DESIGN PRESSURES SHOWN.



EXTERIOR VIEW
JAMB-ANCHOR (TYPICAL)



EXTERIOR VIEW
MULLION-ANCHOR (TYPICAL)



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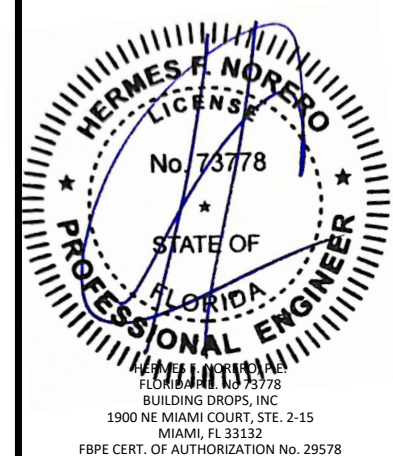
TITLE: EF 30 UW CURTAIN WALL SYSTEM (NON-HVHZ)/(NON-IMPACT) ANCHOR DETAILS

PREPARED BY: BUILDING DROPS, INC.
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B.D. BUILDING DROPS

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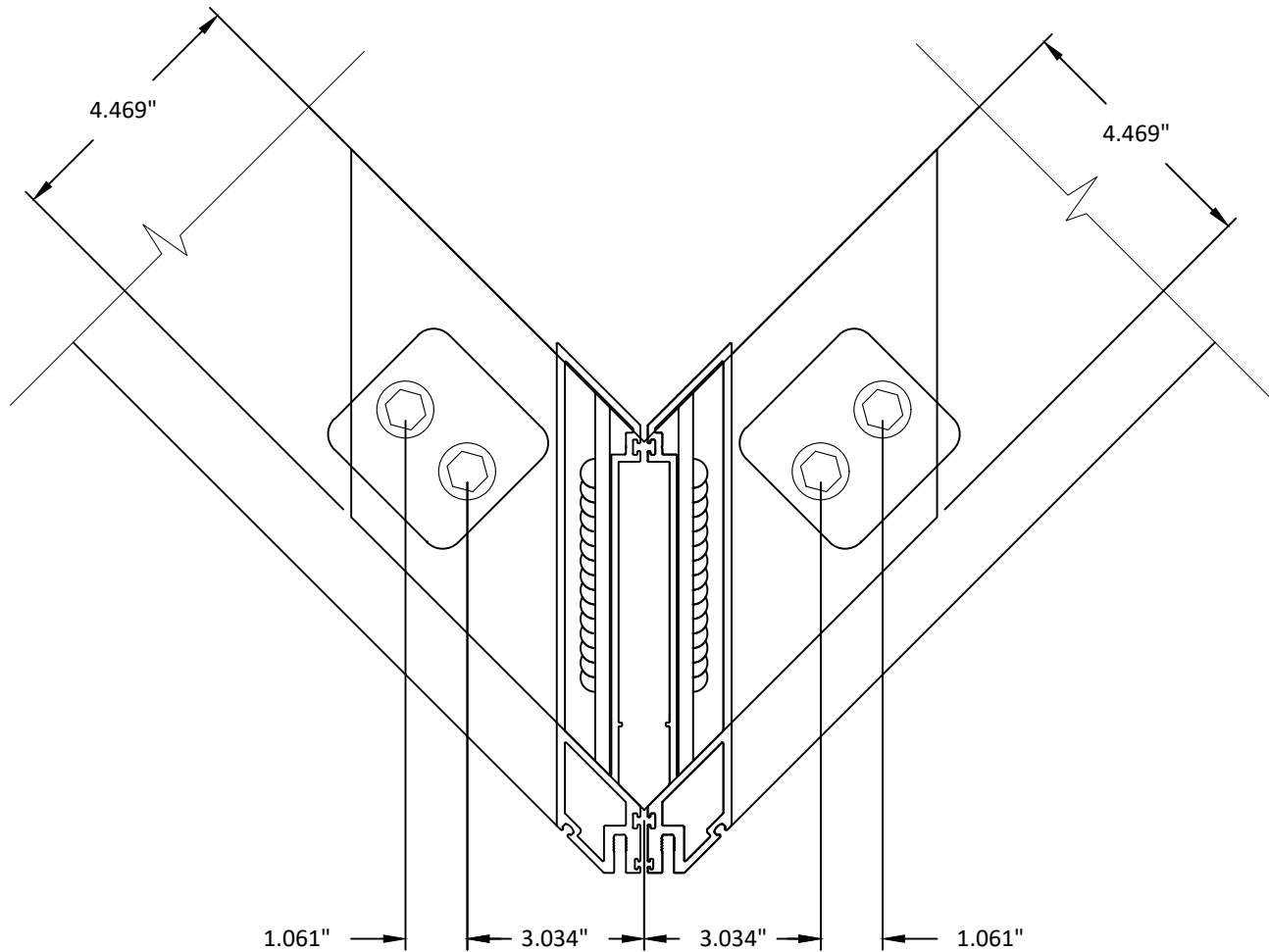
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SCALE: NTS

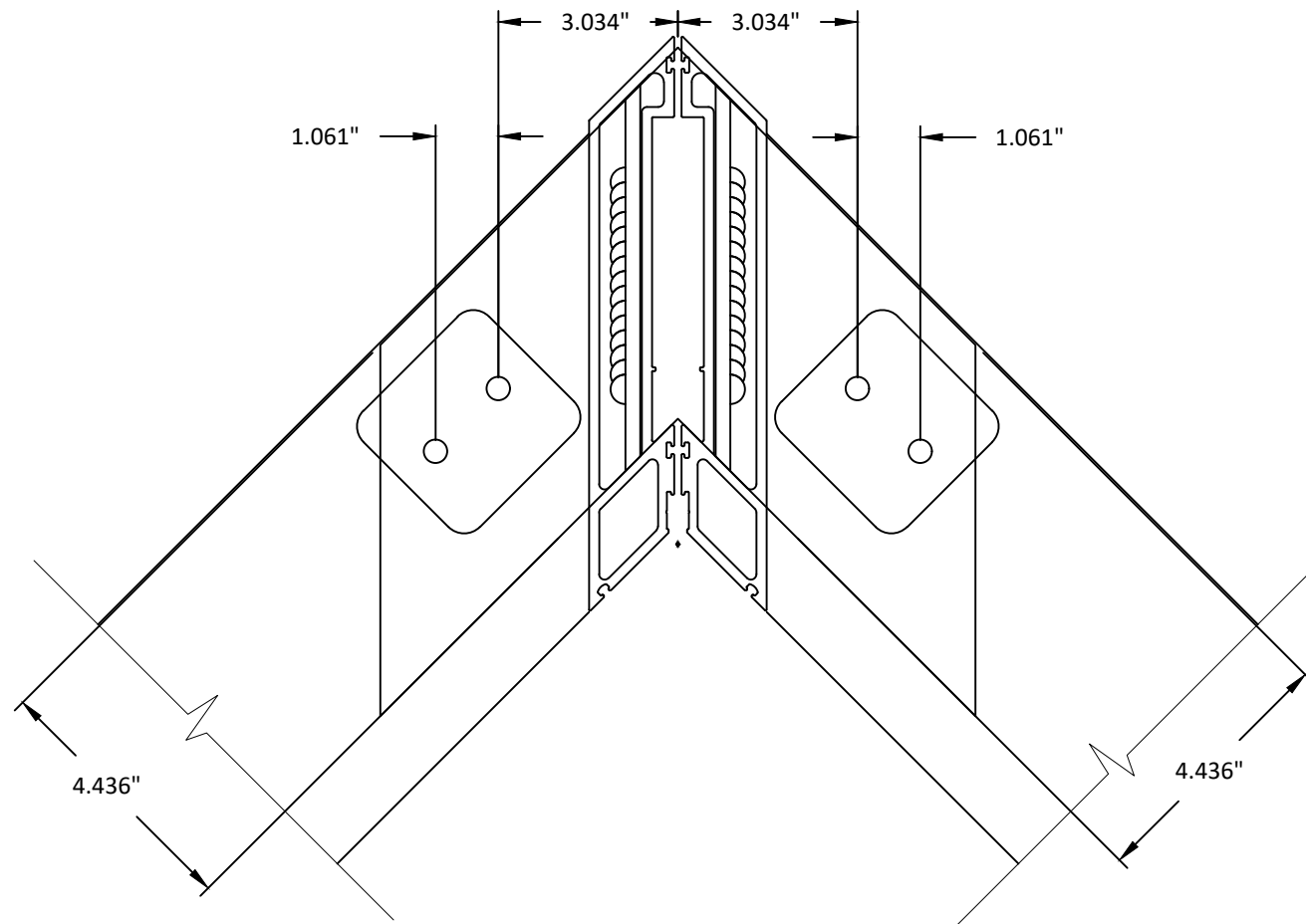
DWG. #: EAP001

SECTION: 6.3 [SHEET 16 of 37]

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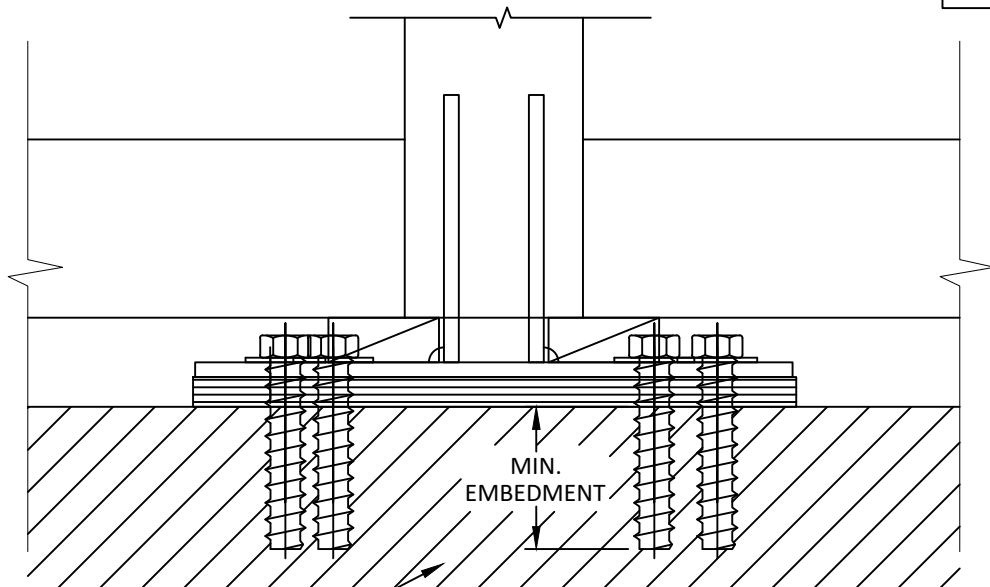


1 HORIZONTAL SECTION
6.5 OUTSIDE CORNER MULLION ANCHOR



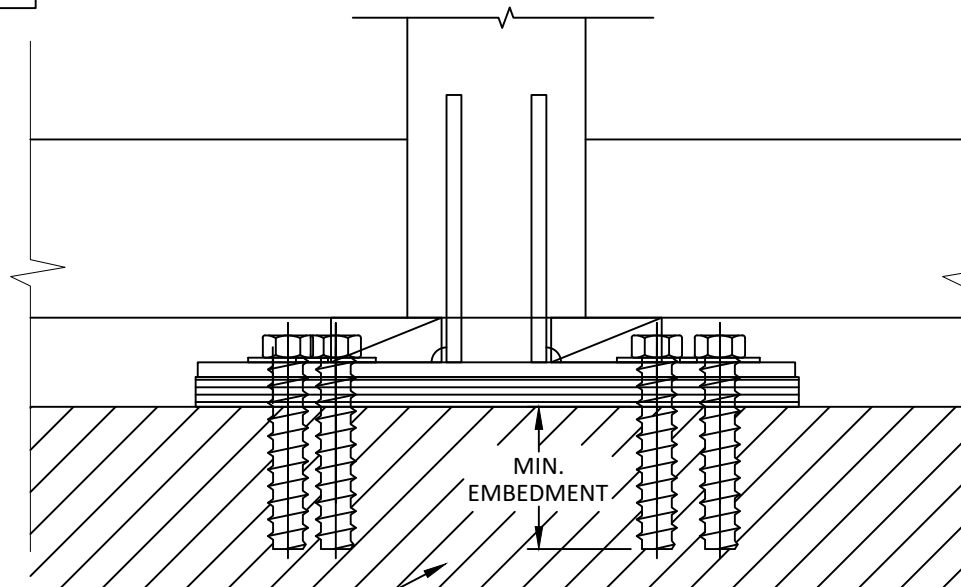
2 HORIZONTAL SECTION
6.5 INSIDE CORNER MULLION ANCHOR

NOTE: 5.75" DEEP PROFILES SHOWN. 6.75" AND 7.75" PROFILES QUALIFIED FOR SAME DETAILS AND DESIGN PRESSURES SHOWN.



CONCRETE OR STEEL SUBSTRATE
BY OTHERS. SEE INSTALLATION
ANCHOR REQUIREMENTS

EXTERIOR VIEW
OUTSIDE CORNER-ANCHOR (TYPICAL)



CONCRETE OR STEEL SUBSTRATE
BY OTHERS. SEE INSTALLATION
ANCHOR REQUIREMENTS

EXTERIOR VIEW
INSIDE CORNER-ANCHOR (TYPICAL)



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TITLE:
EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)

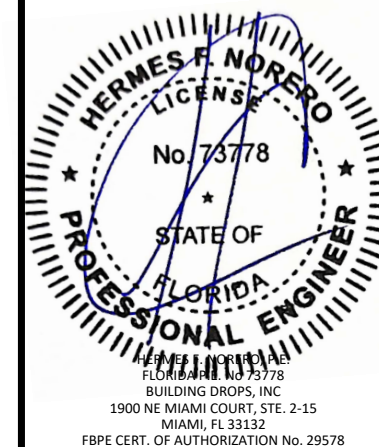
ANCHOR DETAILS

PREPARED BY:
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SECTION:
6.5
[SHEET 18 of 37]

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PH: (800)878-1861

MAX. ANCHOR CAPACITY FOR MULLION - DESIGN PRESSURES - SINGLE SPAN (+/- PSF)											
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A	B	C	D	E	F	G	H	I	J
30	146	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.3	51.3
66		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	48.5
30	152	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	54.7
60		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	51.2	49.2
66		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
30	158	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	54.8	52.6
60		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	49.3	47.4
66		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
30	164.75	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	52.5	50.5
60		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	47.3	45.4
66		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
30	170	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.9	48.9
60		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
30	176	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.2
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	49.2	47.2
60		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
30	182	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.5	51.4
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	47.5	45.7
60		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
66		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
30	188	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	51.8	49.8

FL #:	
FL46554	
DATE: 02.22.2024	
DWG. BY: SH	CHK. BY: HFN
SCALE: NTS	
DWG. #: EAP001	
SECTION: 6.6 [SHEET 19 of 37]	

s:\projects\erie architectural products\lbc-23-0866 - fbc submittal - e830 uw curtain wall system n\dwgs\ean001 - fl dwgs 6 - anchor d11s.dwg 2/23/2024 12:01 PM

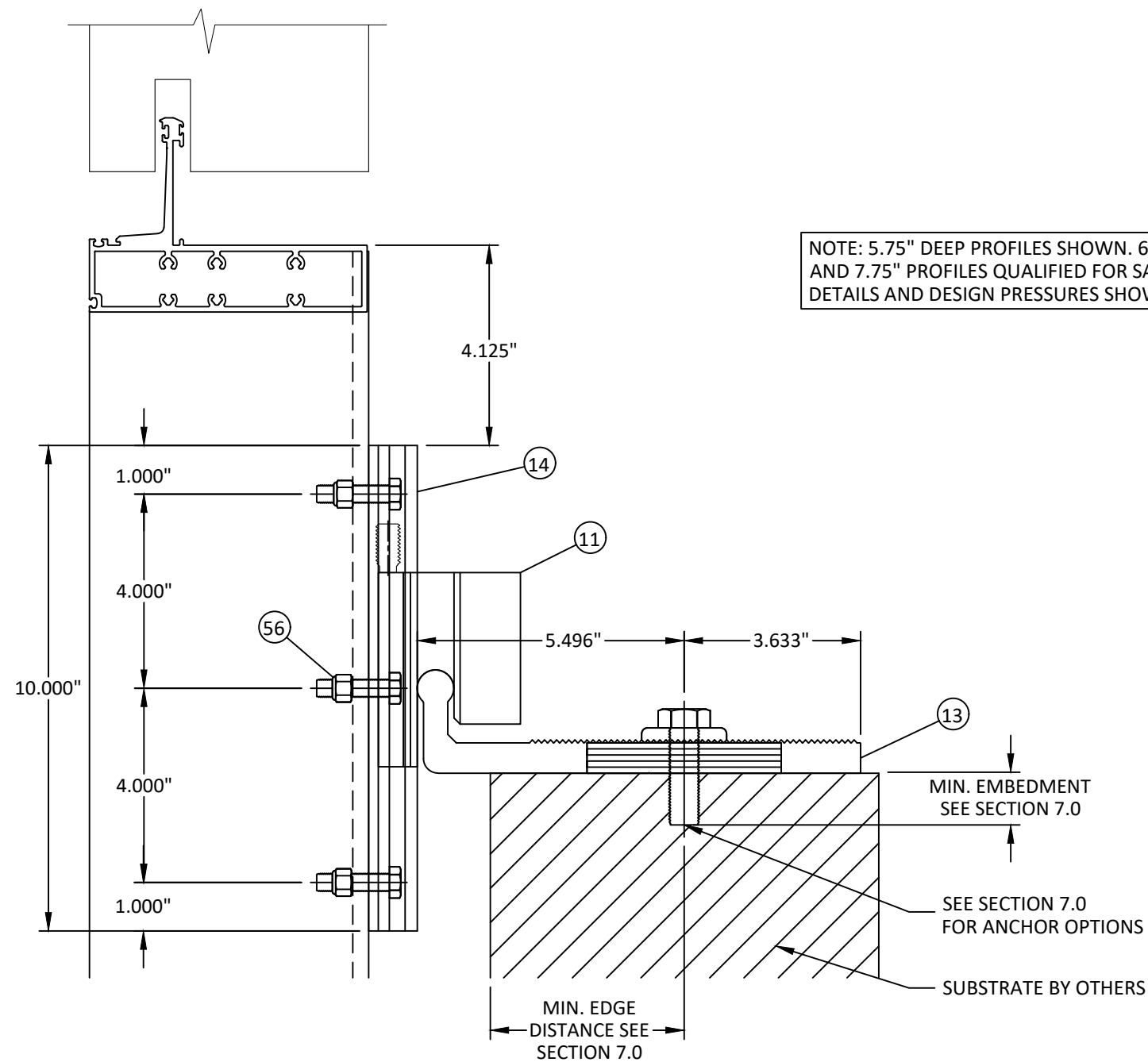
ANCHOR CAPACITIES
TWIN SPAN

MAX. ANCHOR CAPACITY FOR MULLION - DESIGN PRESSURES - MULTI SPAN (+/- PSF)											
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A	B	C	D	E	F	G	H	I	J
30	92	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	54.2
66		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	51.3	49.3
72		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	47.0	45.2
78		54.6	55.0	55.0	55.0	55.0	55.0	55.0	55.0	43.4	41.7
84		50.7	55.0	55.0	55.0	55.0	55.0	52.8	55.0	40.3	38.7
90		47.3	55.0	55.0	53.2	55.0	55.0	49.3	55.0	37.6	36.2
30	98	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
60		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.0	50.9
66		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	48.1	46.3
72		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	44.1	42.4
78		51.2	55.0	55.0	55.0	55.0	55.0	53.4	55.0	40.7	39.2
84		47.6	55.0	55.0	53.5	55.0	55.0	49.6	55.0	37.8	36.4
90		44.4	55.0	55.0	50.0	52.5	55.0	46.3	55.0	35.3	33.9
30	104	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.3
60		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	49.9	48.0
66		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	45.4	43.6
72		52.3	55.0	55.0	55.0	55.0	55.0	54.5	55.0	41.6	40.0
78		48.3	55.0	55.0	54.3	55.0	55.0	50.3	55.0	38.4	36.9
84		44.8	55.0	55.0	50.4	53.0	55.0	46.7	55.0	35.6	34.3
90		41.8	55.0	51.9	47.1	49.5	55.0	43.6	55.0	33.3	32.0
30	110	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	52.4	50.4
60		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	47.2	45.4
66		53.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	42.9	41.2
72		49.4	55.0	55.0	55.0	55.0	55.0	51.5	55.0	39.3	37.8
78		45.6	55.0	55.0	51.4	54.0	55.0	47.6	55.0	36.3	34.9
84		42.4	55.0	52.6	47.7	50.1	55.0	44.2	55.0	33.7	32.4

MAX. ANCHOR CAPACITY FOR MULLION - DESIGN PRESSURES - MULTI SPAN (+/- PSF)											
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A	B	C	D	E	F	G	H	I	J
30	116	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.8
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	49.7	47.8
60		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	44.7	43.0
66		51.1	55.0	55.0	55.0	55.0	55.0	53.3	55.0	40.7	39.1
72		46.9	55.0	55.0	52.8	55.0	55.0	48.9	55.0	37.3	35.8
78		43.3	55.0	53.7	48.7	51.2	55.0	45.1	55.0	34.4	33.1
84		40.2	55.0	49.9	45.2	47.5	55.0	41.9	55.0	32.0	30.7
30	122	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.2	51.1
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	47.3	45.4
60		53.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	42.5	40.9
66		48.6	55.0	55.0	54.7	55.0	55.0	50.7	55.0	38.7	37.2
72		44.6	55.0	55.0	50.2	52.7	55.0	46.5	55.0	35.5	34.1
78		41.1	55.0	51.1	46.3	48.7	55.0	42.9	55.0	32.7	31.5
30	128	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.7	48.7
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	45.1	43.3
60		51.0	55.0	55.0	55.0	55.0	55.0	53.1	55.0	40.6	39.0
66		46.3	55.0	55.0	52.2	54.8	55.0	48.3	55.0	36.9	35.4
72		42.5	55.0	52.7	47.8	50.3	55.0	44.3	55.0	33.8	32.5
30	134	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.2
54		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	48.4	46.5
60		54.1	55.0	55.0	55.0	55.0	55.0	55.0	55.0	43.0	41.4
66		48.7	55.0	55.0	54.8	55.0	55.0	50.8	55.0	38.7	37.2
72		44.3	55.0	54.9	49.8	52.4	55.0	46.1	55.0	35.2	33.9
30	140	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.0
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	46.3	44.5
54		51.8	55.0	55.0	55.0	55.0	55.0	54.0	55.0	41.2	39.6
60		46.6	55.0	55.0	52.5	55.0	55.0	48.6	55.0	37.1	35.6
66		42.4	55.0	52.6	47.7	50.1	55.0	44.2	55.0	33.7	32.4

MAX. ANCHOR CAPACITY FOR MULLION - DESIGN PRESSURES - MULTI SPAN (+/- PSF)											
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A	B	C	D	E	F	G	H	I	J
30	146	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.8	48.8
48		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	44.4	42.7
54		49.7	55.0	55.0	55.0	55.0	55.0	51.8	55.0	39.5	38.0
60		44.7	55.0	55.0	50.3	52.9	55.0	46.6	55.0	35.6	34.2
66		40.6	55.0	50.4	45.7	48.1	55.0	42.3	55.0	32.3	31.1
30	152	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	54.7
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	48.8	46.9
48		53.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	42.7	41.0
54		47.7	55.0	55.0	53.7	55.0	55.0	49.7	55.0	37.9	36.5
60		42.9	55.0	53.3	48.3	50.8	55.0	44.7	55.0	34.1	32.8
30	158	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
36		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	54.8	52.6
42		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	46.9	45.1
48		51.6	55.0	55.0	55.0	55.0	55.0	53.8	55.0	41.1	39.5
54		45.9	55.0	55.0	51.6	54.3	55.0	47.8	55.0	36.5	35.1
60		41.3	55.0	51.3	46.5	48.9	55.0	43.0	55.0	32.9	31.6

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NOTE: 5.75\"/>

VERTICAL SECTION
ANCHOR TO SUBSTRATE



39525 WEST 13 MILE RD., STE. 200
NOVI, MI 48377
PH: (800)878-1861

TITLE: EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)

INTERMEDIATE
ANCHOR DETAILS

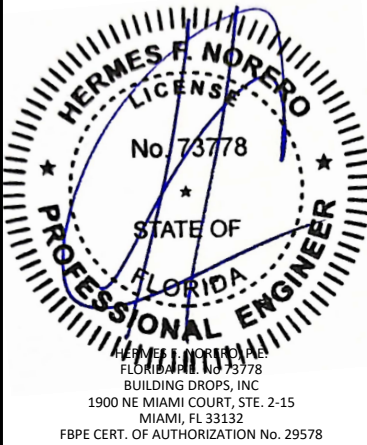
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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



FL #: FL46554

DATE: 02.22.2024

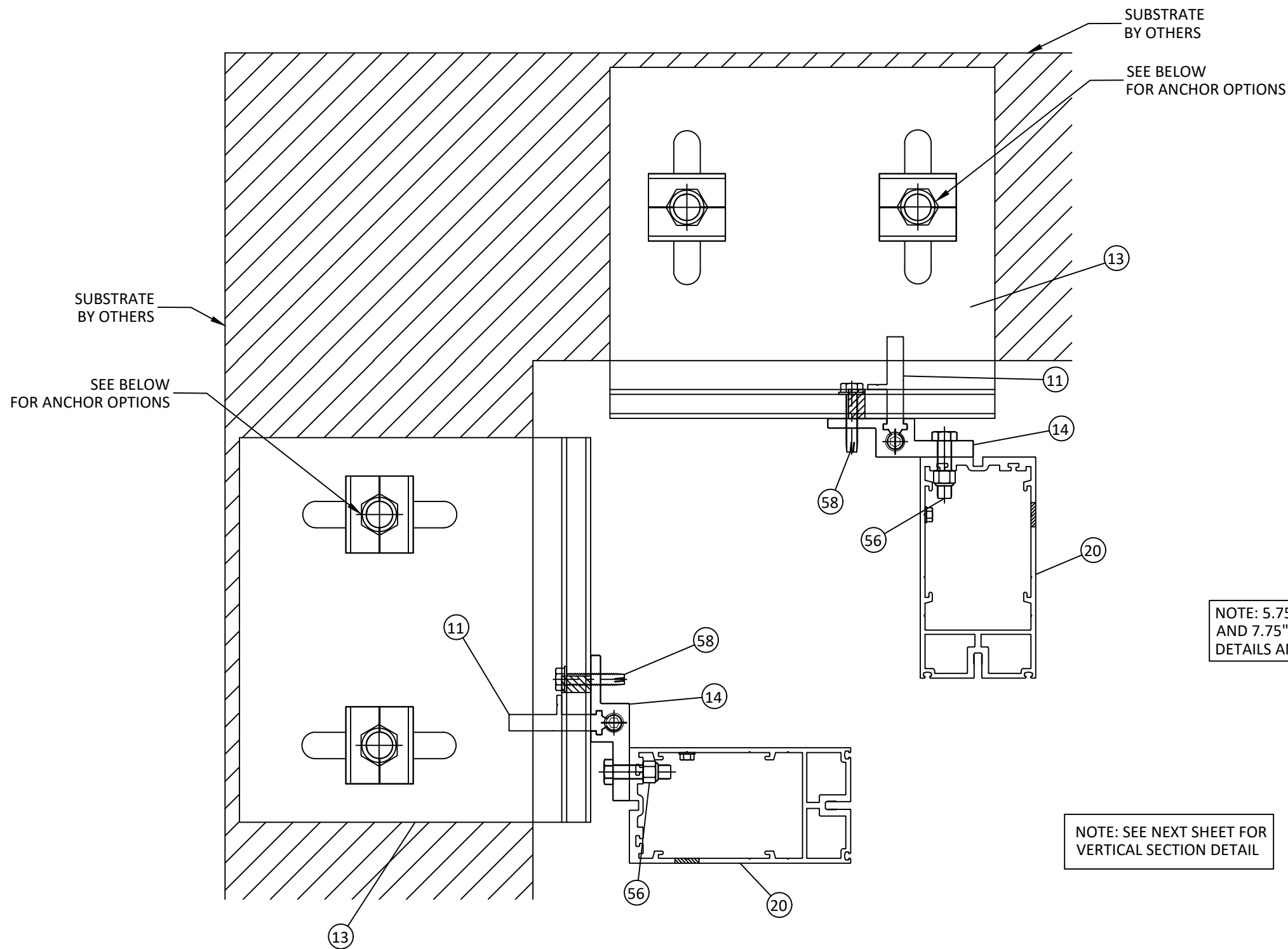
DWG. BY: SH
CHK. BY: HFN

SCALE: NTS

DWG. #: EAP001

SECTION:
7.1
[SHEET 22 of 37]

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1
7.2 **HORIZONTAL SECTION**
INSIDE CORNER

TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MIN. EDGE DISTANCE	MIN. EMBEDMENT
K	5/8"	DEWALT SCREW-BOLT+	MIN. 4000 PSI CONCRETE	4"	4"
L	5/8"	SELF-TAPPING GR.5 SCREW	MIN. 1/4" THICK, A36 STEEL	1-1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT



39525 WEST 13 MILE RD., STE. 200
NOVI, MI 48377
PH: (800)878-1861

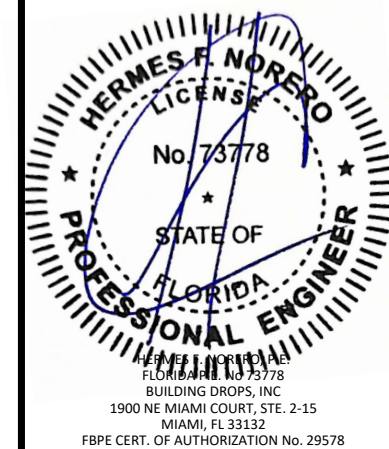
TITLE: EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)
INTERMEDIATE
ANCHOR DETAILS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



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FL #: FL46554

DATE: 02.22.2024

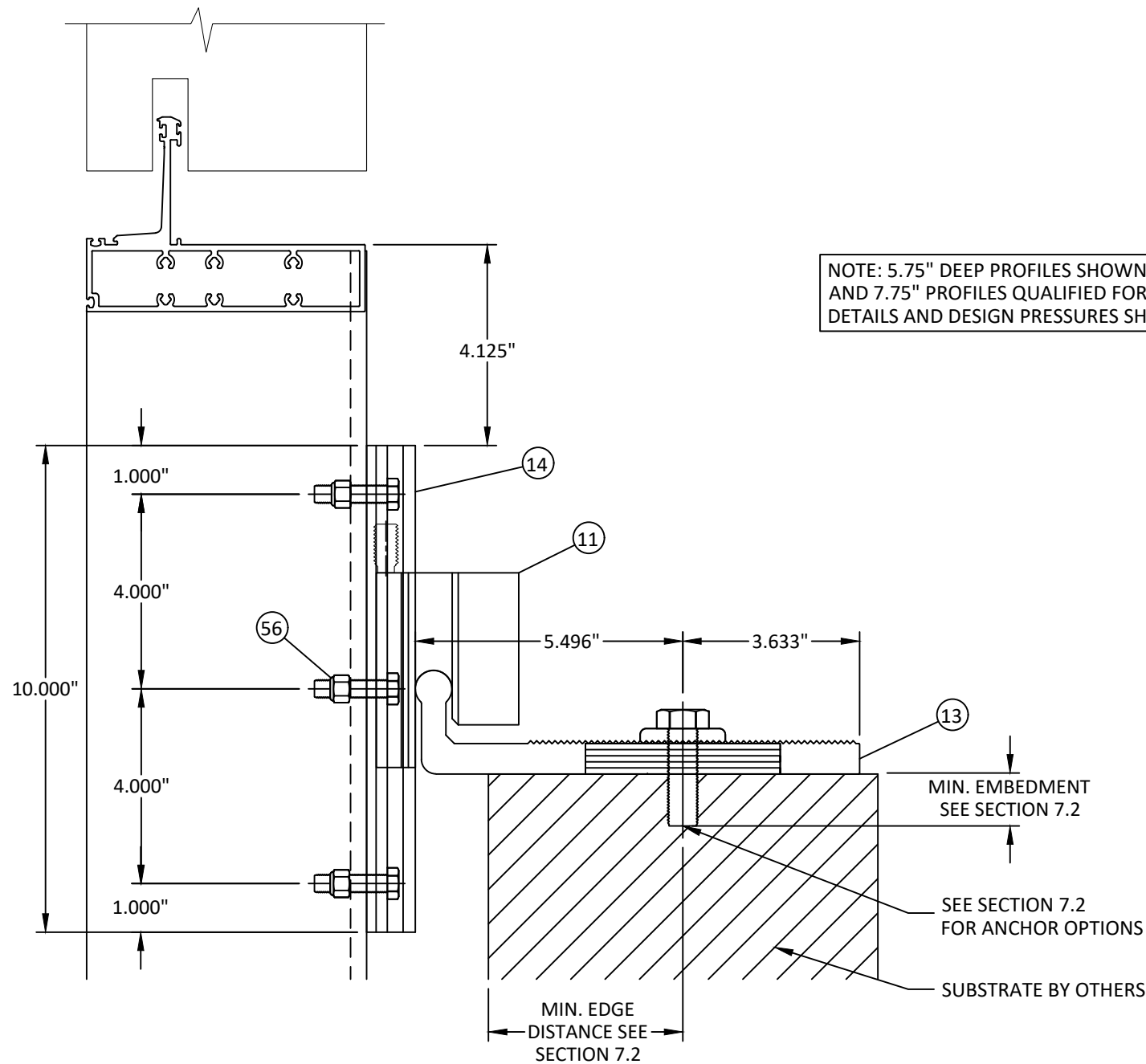
DWG. BY: SH
CHK. BY: HFN

SCALE: NTS

DWG. #: EAP001

SECTION:
7.2
[SHEET 23 of 37]

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VERTICAL SECTION
ANCHOR TO SUBSTRATE



39525 WEST 13 MILE RD., STE. 200
NOVI, MI 48377
PH: (800)878-1861

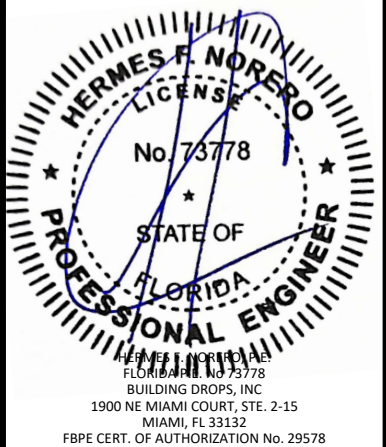
TITLE: EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)
INTERMEDIATE
ANCHOR DETAILS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
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REMARKS	BY	DATE

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



FL #: FL46554

DATE: 02.22.2024

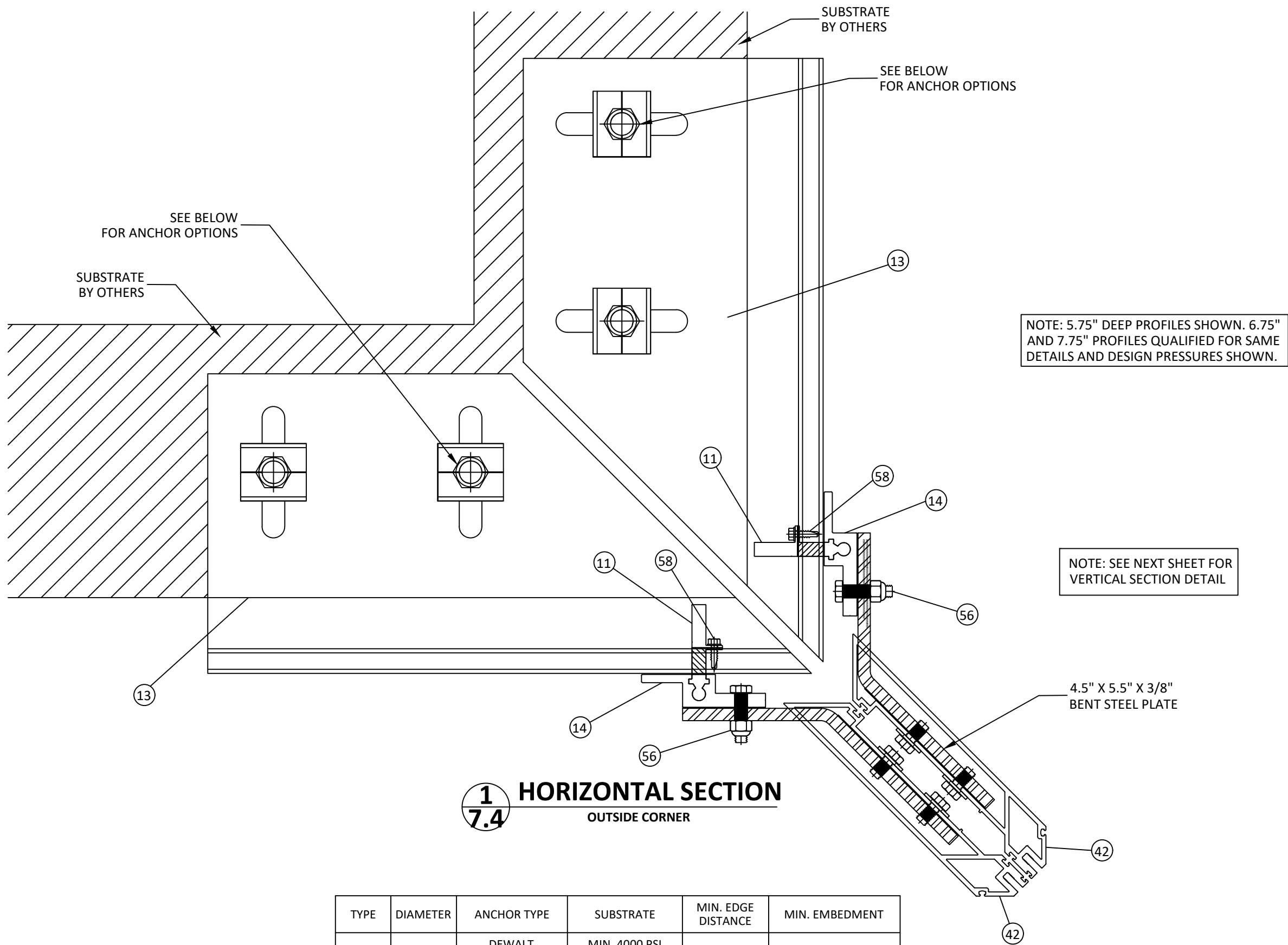
DWG. BY: SH
CHK. BY: HFN

SCALE: NTS

DWG. #: EAP001

SECTION: 7.3
[SHEET 24 of 37]

s:\projects\erie architectural products\lbc-23-0866 - fbc submittal - ef30 uw curtain wall system n\dwgs\lean001 - fl dwgs.7 - wind-dead load anchor dets.dwg
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1
7.4 **HORIZONTAL SECTION**
OUTSIDE CORNER

TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MIN. EDGE DISTANCE	MIN. EMBEDMENT
K	5/8"	DEWALT SCREW-BOLT+	MIN. 4000 PSI CONCRETE	4"	4"
L	5/8"	SELF-TAPPING GR.5 SCREW	MIN. 1/4" THICK, A36 STEEL	1-1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT



39525 WEST 13 MILE RD., STE. 200
NOVI, MI 48377
PH: (800)878-1861

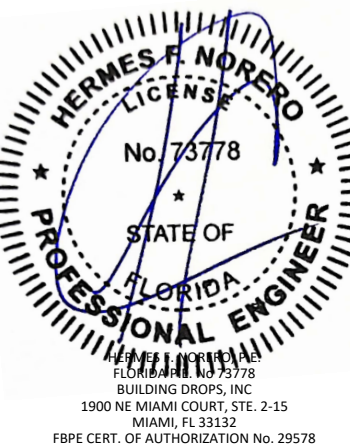
TITLE:
EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)
INTERMEDIATE
ANCHOR DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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



FL #:
FL46554

DATE: **02.22.2024**

DWG. BY: **SH** CHK. BY: **HFN**

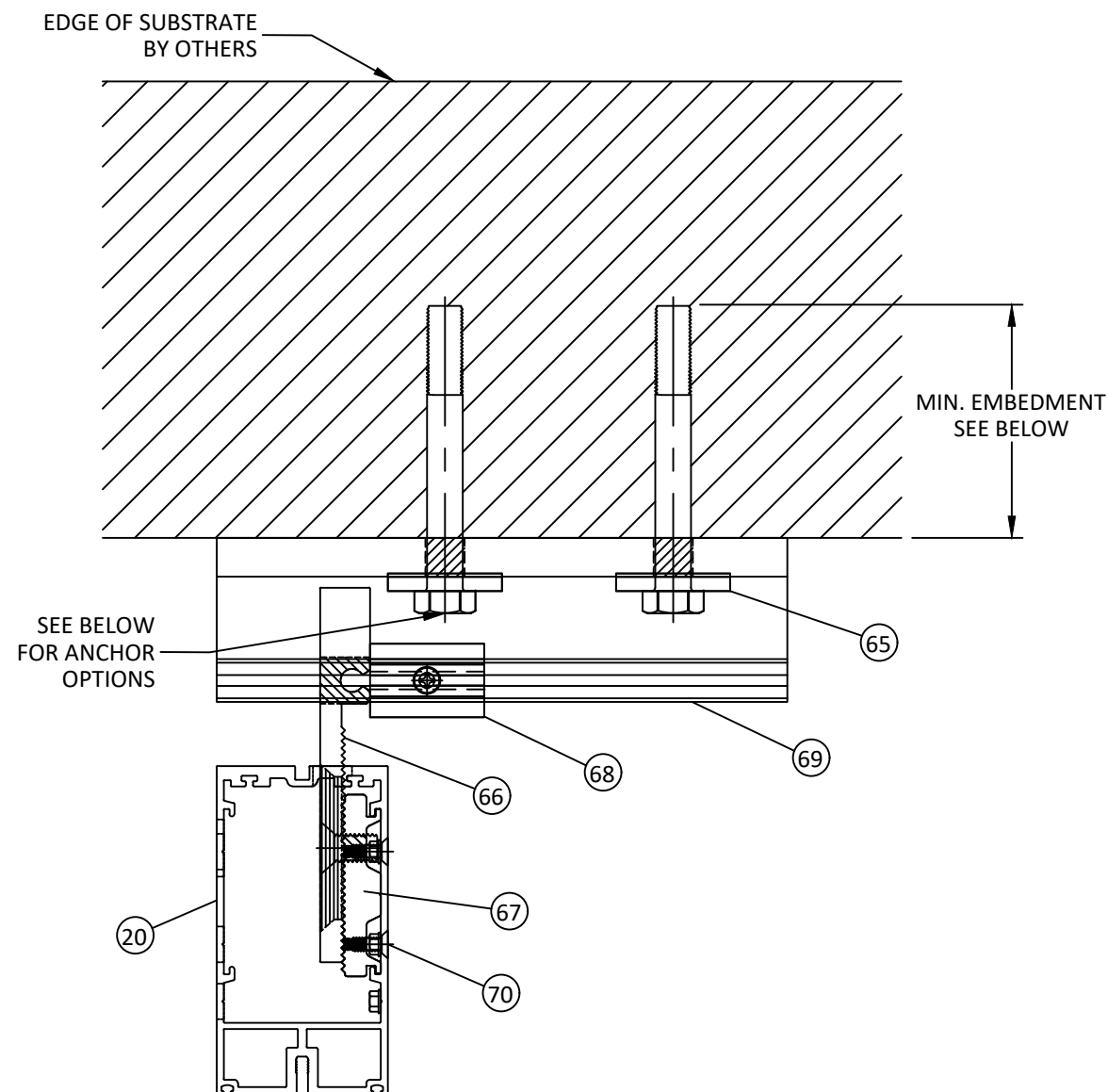
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DWG. #: **EAP001**

SECTION:
7.4
[SHEET 25 of 37]

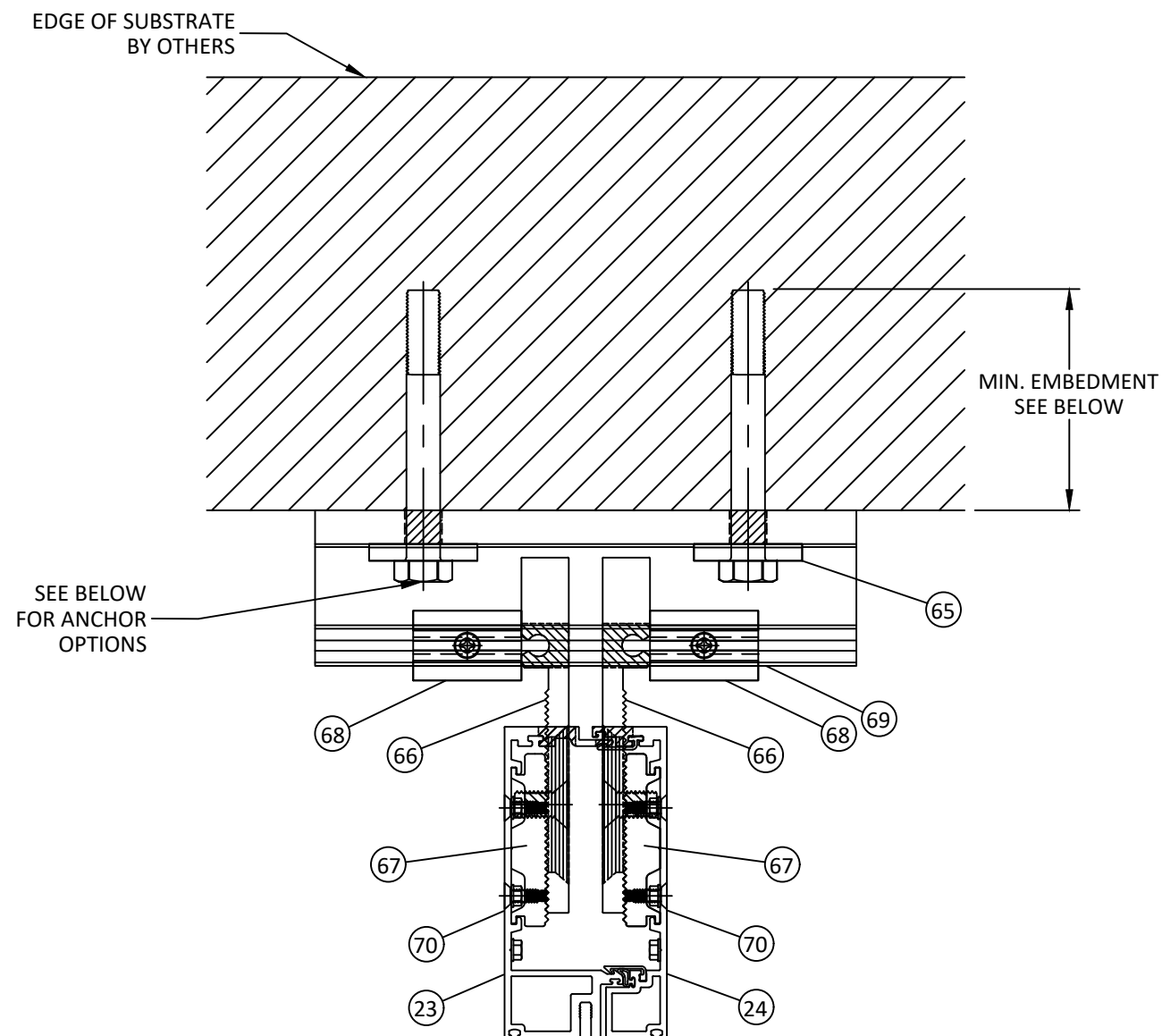


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1
7.6 **HORIZONTAL SECTION**
AT JAMB

NOTE: SEE NEXT SHEET FOR
VERTICAL SECTION DETAIL



2
7.6 **HORIZONTAL SECTION**
AT VERTICAL MULLION

NOTE: 5.75" DEEP PROFILES SHOWN. 6.75"
AND 7.75" PROFILES QUALIFIED FOR SAME
DETAILS AND DESIGN PRESSURES SHOWN.

TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MIN. EDGE DISTANCE	MIN. EMBEDMENT
K	5/8"	DEWALT SCREW-BOLT+	MIN. 4000 PSI CONCRETE	4"	4"
L	5/8"	SELF-TAPPING GR.5 SCREW	MIN. 1/4" THICK, A36 STEEL	1-1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT



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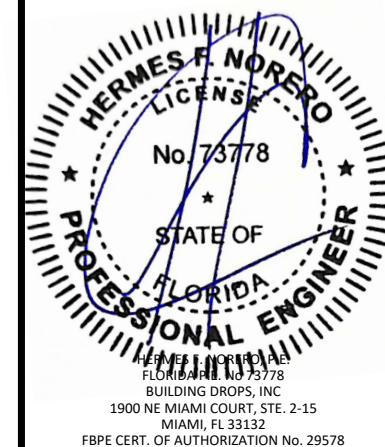
EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)
INTERMEDIATE
ANCHOR DETAILS

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BUILDING DROPS, INC.
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DATE: **02.22.2024**

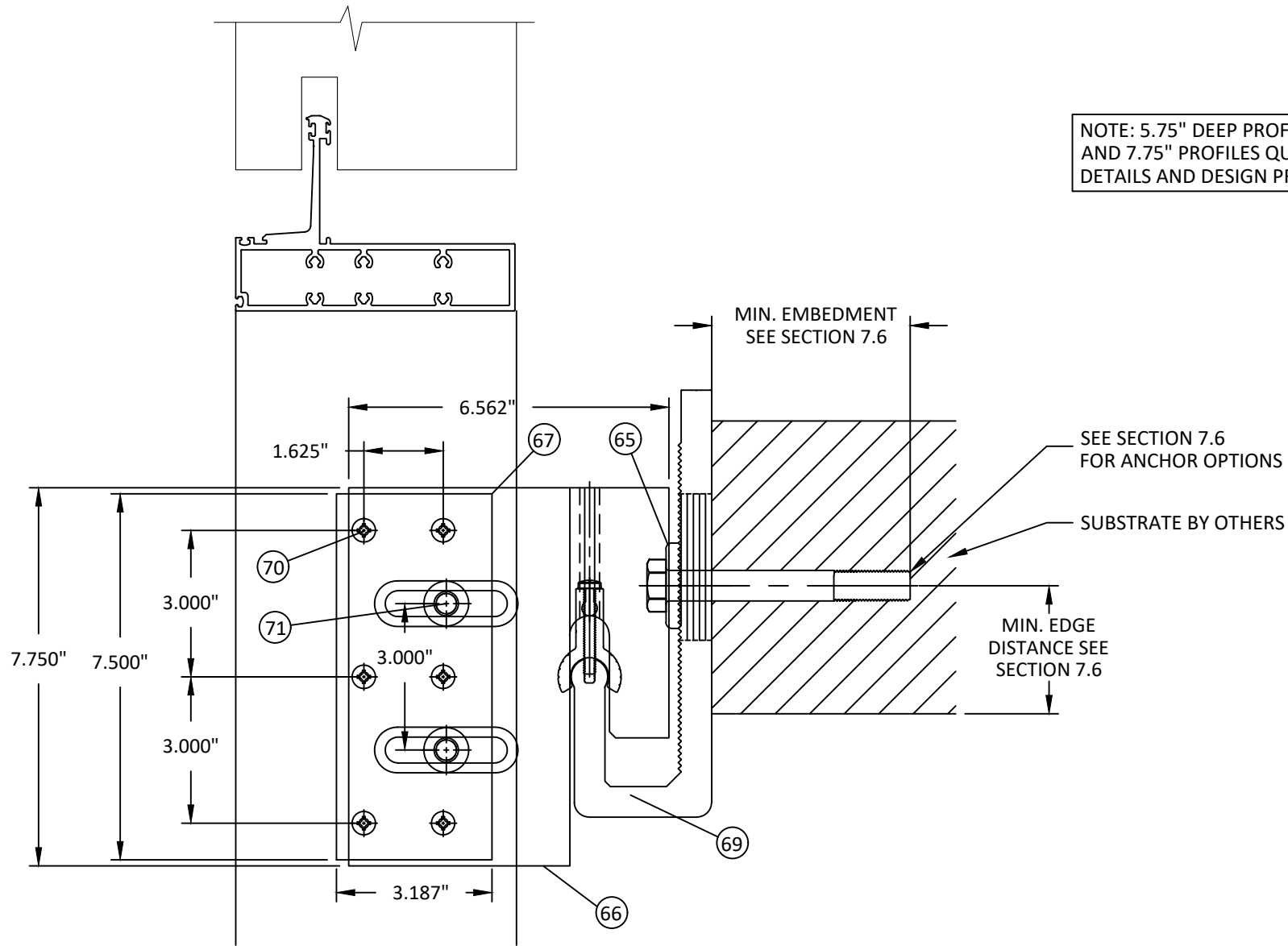
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SCALE: **NTS**

DWG. #: **EAP001**

SECTION:
7.6
[SHEET 27 of 37]

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NOTE: 5.75" DEEP PROFILES SHOWN. 6.75" AND 7.75" PROFILES QUALIFIED FOR SAME DETAILS AND DESIGN PRESSURES SHOWN.

VERTICAL SECTION
ANCHOR TO SUBSTRATE



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TITLE: EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)

INTERMEDIATE
ANCHOR DETAILS

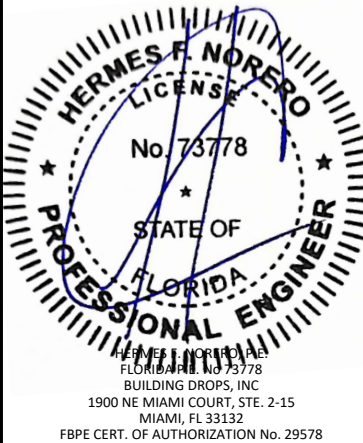
PREPARED BY: BUILDING DROPS, INC.

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DATE: 02.22.2024

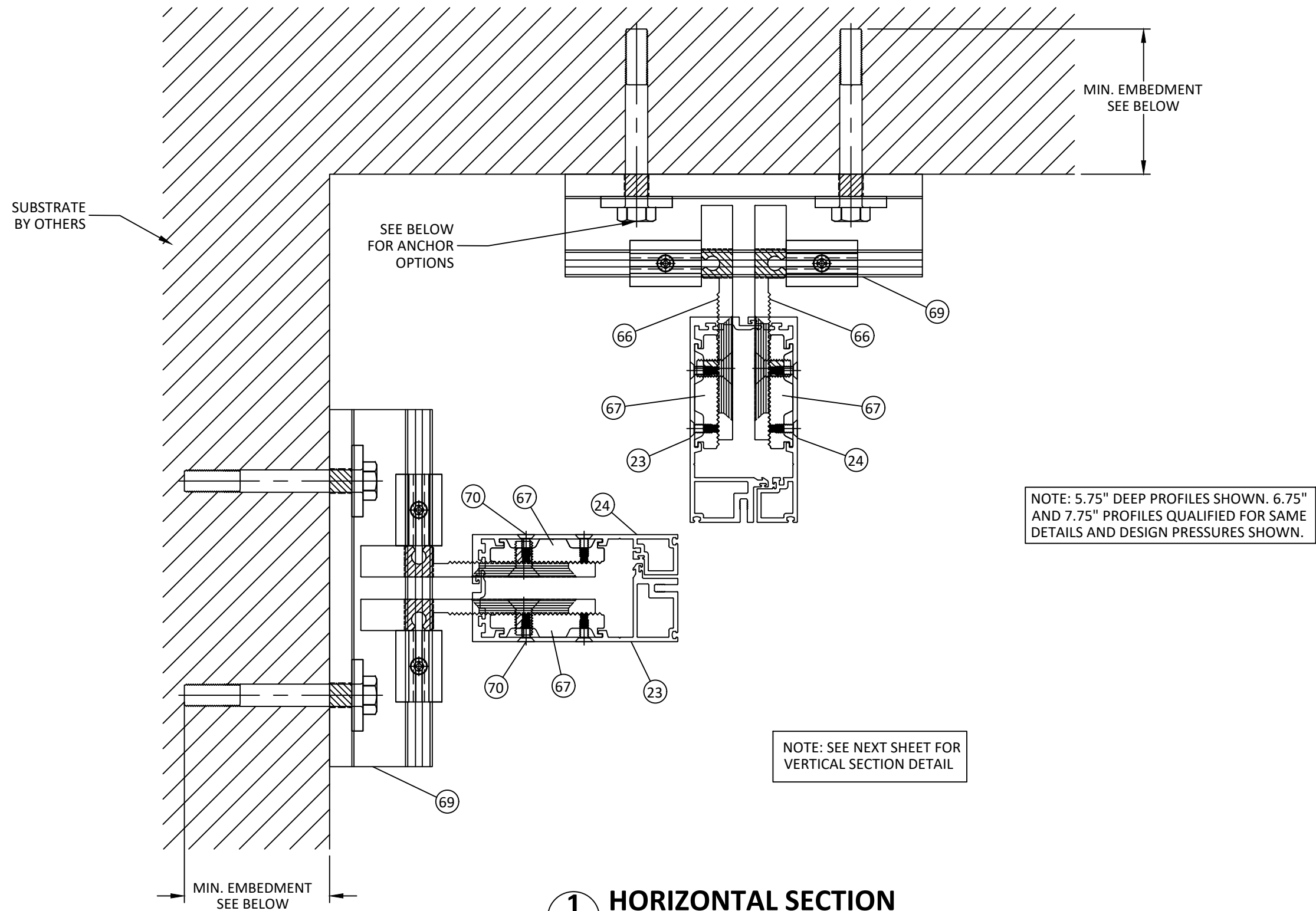
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CHK. BY: HFN

SCALE: NTS

DWG. #: EAP001

SECTION: 7.7
[SHEET 28 of 37]

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1
7.8 **HORIZONTAL SECTION**
INSIDE CORNER

TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MIN. EDGE DISTANCE	MIN. EMBEDMENT
K	5/8"	DEWALT SCREW-BOLT+	MIN. 4000 PSI CONCRETE	4"	4"
L	5/8"	SELF-TAPPING GR.5 SCREW	MIN. 1/4" THICK, A36 STEEL	1-1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT



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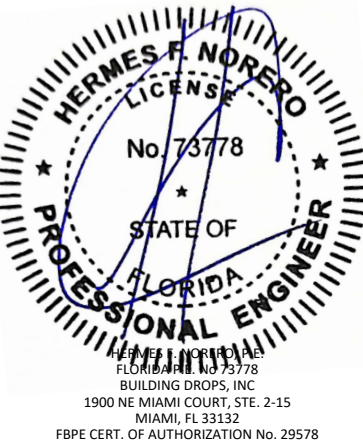
TITLE: EF 30 UW CURTAIN WALL SYSTEM (NON-HVHZ)/(NON-IMPACT) INTERMEDIATE ANCHOR DETAILS

PREPARED BY: BUILDING DROPS, INC.
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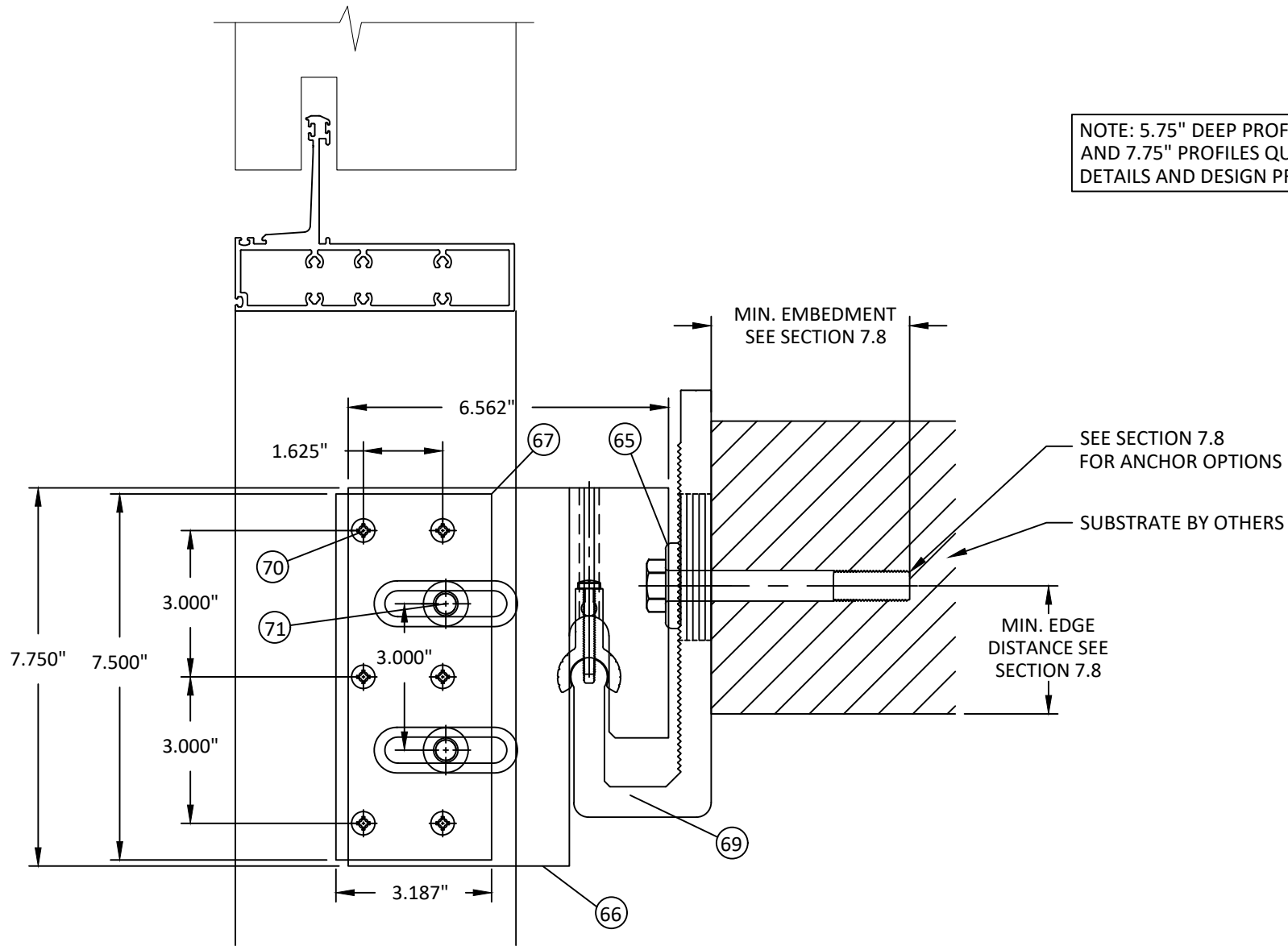
DWG. BY: SH CHK. BY: HFN

SCALE: NTS

DWG. #: EAP001

SECTION: 7.8
(SHEET 29 of 37)

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VERTICAL SECTION
ANCHOR TO SUBSTRATE



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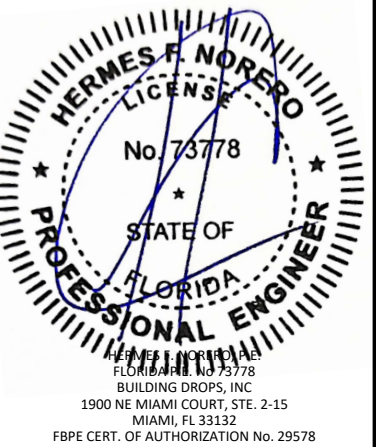
TITLE: EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)
INTERMEDIATE
ANCHOR DETAILS

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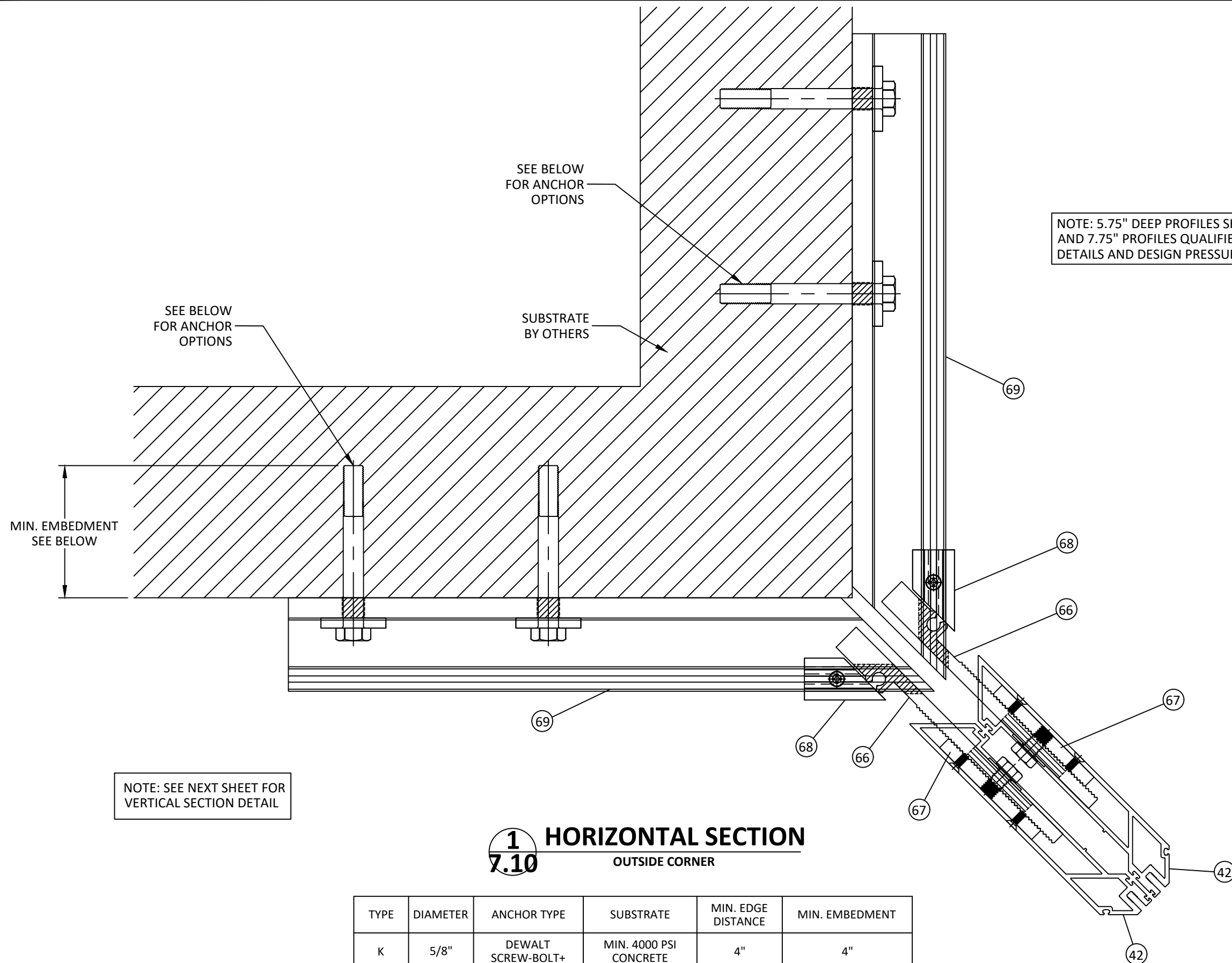
DWG. BY: SH
CHK. BY: HFN

SCALE: NTS

DWG. #: EAP001

SECTION: 7.9
[SHEET 30 of 37]

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NOTE: SEE NEXT SHEET FOR
VERTICAL SECTION DETAIL

1
7.10 **HORIZONTAL SECTION**
OUTSIDE CORNER

TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MIN. EDGE DISTANCE	MIN. EMBEDMENT
K	5/8"	DEWALT SCREW-BOLT+	MIN. 4000 PSI CONCRETE	4"	4"
L	5/8"	SELF-TAPPING GR.5 SCREW	MIN. 1/4" THICK, A36 STEEL	1-1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE OR NUT

NOTE: 5.75" DEEP PROFILES SHOWN. 6.75" AND 7.75" PROFILES QUALIFIED FOR SAME DETAILS AND DESIGN PRESSURES SHOWN.



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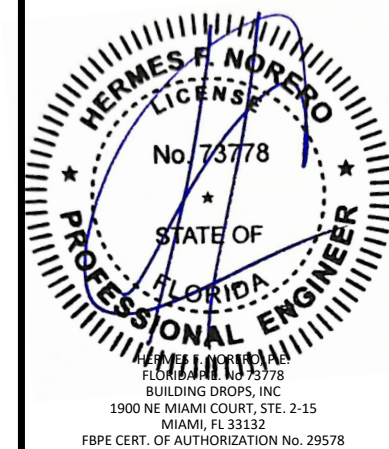
TITLE:
EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)
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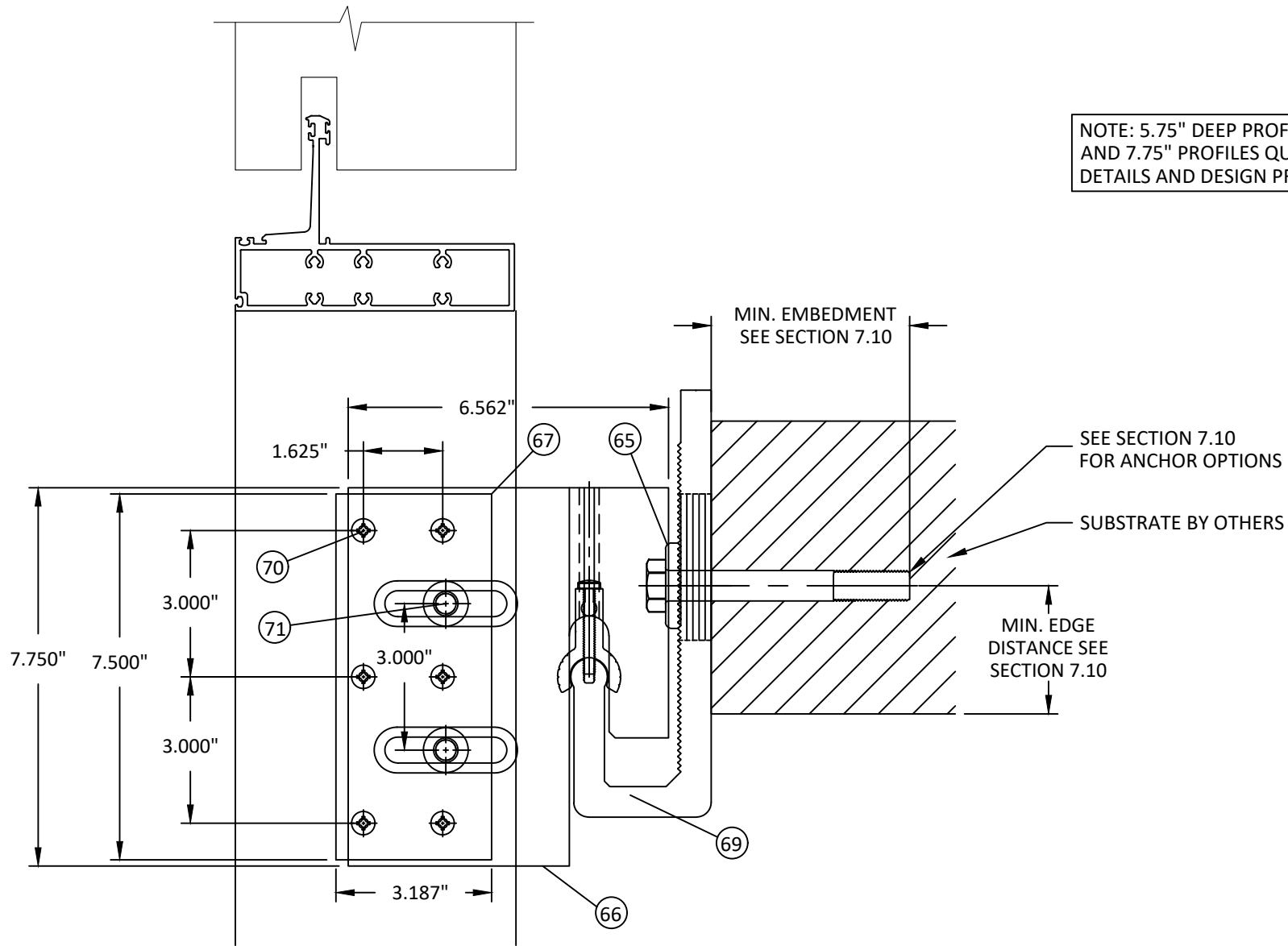
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SCALE: **NTS**

DWG. #: **EAP001**

SECTION:
7.10
[SHEET 31 of 37]

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VERTICAL SECTION
ANCHOR TO SUBSTRATE



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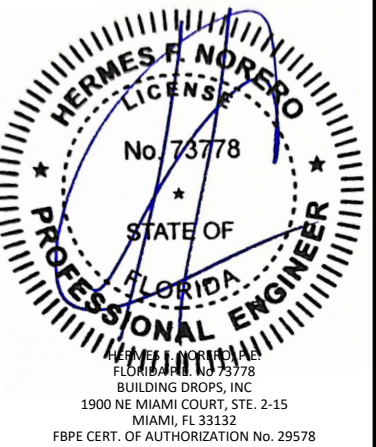
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DATE: **02.22.2024**

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

DWG. #: **EAP001**

SECTION:
7.11
[SHEET 32 of 37]

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INTERMEDIATE SUPPORT ANCHOR CAPACITIES

MAX. ANCHOR CAPACITY AT INTERMEDIATE SUPPORT - DESIGN PRESSURES (+/- PSF)			
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	K	L
30	92	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		55.0	55.0
72		55.0	55.0
78		55.0	55.0
84		55.0	55.0
90		53.4	55.0
30	98	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		55.0	55.0
72		55.0	55.0
78		55.0	55.0
84		53.7	55.0
90		50.1	55.0
30	104	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		55.0	55.0
72		55.0	55.0
78		54.5	55.0
84		50.6	55.0
90		47.3	55.0
30	110	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		55.0	55.0
72		55.0	55.0
78		51.6	55.0
84		47.9	55.0

MAX. ANCHOR CAPACITY AT INTERMEDIATE SUPPORT - DESIGN PRESSURES (+/- PSF)			
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	K	L
30	116	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		55.0	55.0
72		53.0	55.0
78		48.9	55.0
84		45.4	55.0
30	122	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		54.9	55.0
72		50.4	55.0
78		46.5	55.0
30	128	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		52.4	55.0
72		48.0	55.0
30	134	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		55.0	55.0
66		50.0	55.0
72		45.8	55.0
30	140	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		52.7	55.0
66		47.9	55.0

MAX. ANCHOR CAPACITY AT INTERMEDIATE SUPPORT - DESIGN PRESSURES (+/- PSF)			
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	K	L
30	146	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		55.0	55.0
60		50.5	55.0
66	152	45.9	55.0
30		55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		53.9	55.0
60	158	48.5	55.0
30		55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		51.8	55.0
60	164.75	46.7	55.0
30		55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		55.0	55.0
54		49.7	55.0
60	170	44.7	55.0
30		55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		54.2	55.0
54		48.2	55.0
30	176	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		52.4	55.0
54		46.5	55.0
30	182	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		50.6	55.0
54		45.0	55.0
30	188	55.0	55.0
36		55.0	55.0
42		55.0	55.0
48		49.0	55.0



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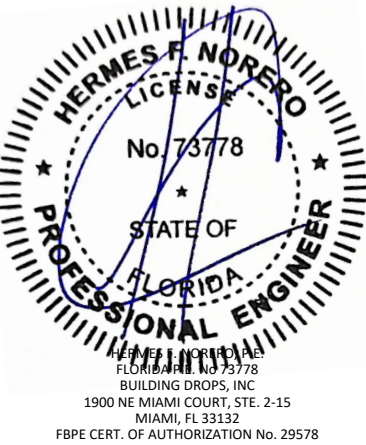
TITLE:
EF 30 UW
CURTAIN WALL SYSTEM
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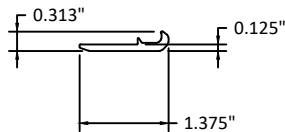
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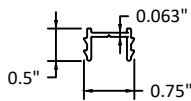
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SECTION:
7.12
[SHEET 33 of 37]

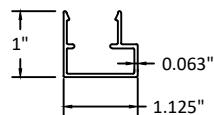
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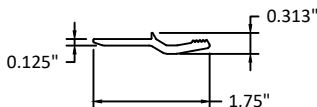
① SETTING BLOCK CHAIR



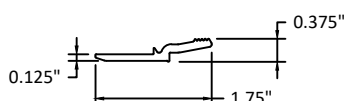
② 3" SSG TRIM ADAPTER



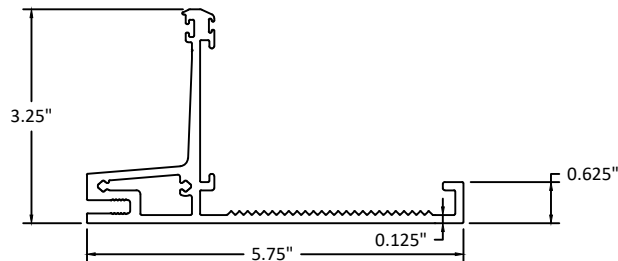
③ 3" SSG PERIMETER TRIM



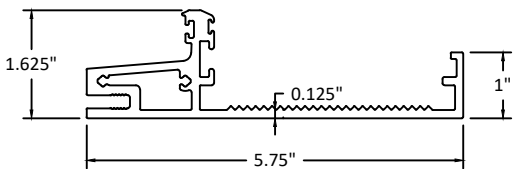
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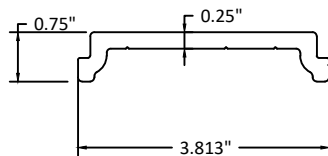
⑤ SSG SILL HORIZ SETTING
BLOCK CHAIR



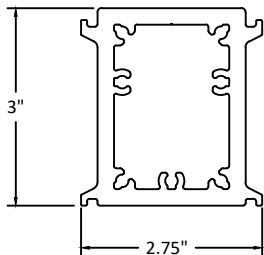
⑥ 5.75" WIND LOAD STARTER TRACK



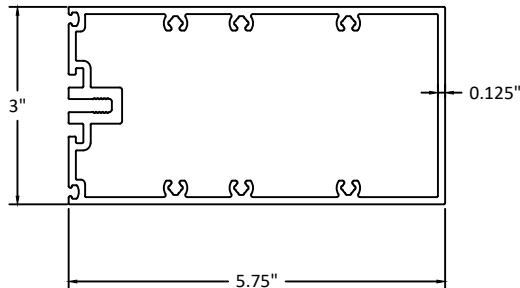
⑦ 5.75" DEAD LOAD STARTER TRACK



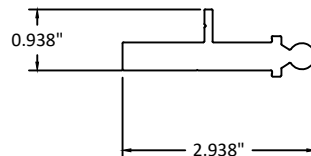
⑧ 5.75" STARTER TRACK ANCHOR INSERT



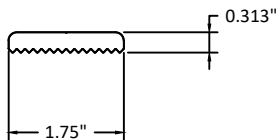
⑨ 5.75" MULLION ANCHOR SLEEVE



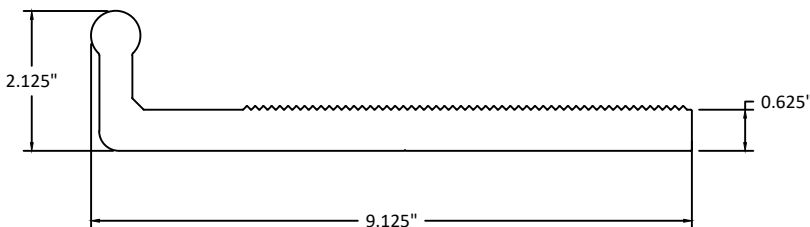
⑩ INTERMEDIATE HORIZONTAL



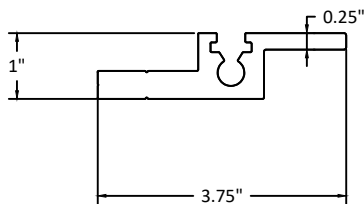
⑪ HOOK ANCHOR



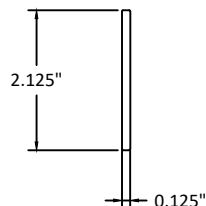
⑫ SEPARATED WASHER



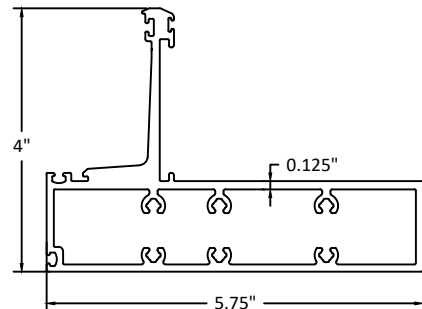
⑬ BALL ANCHOR



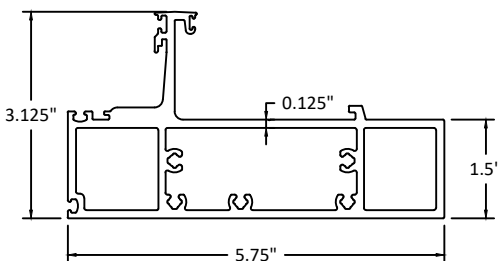
⑭ MULLION ANCHOR BLOCK



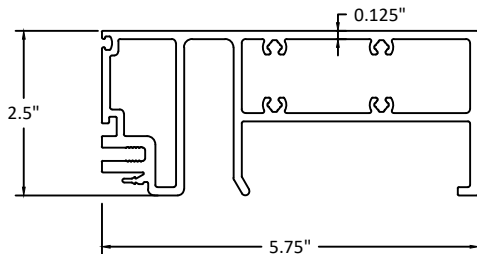
⑮ EXPANSION JOINT ALIGNMENT PLATE



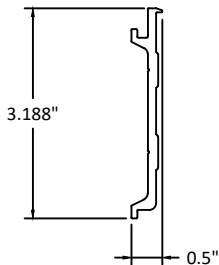
⑯ EXPANSION JOINT HEAD HORIZONTAL



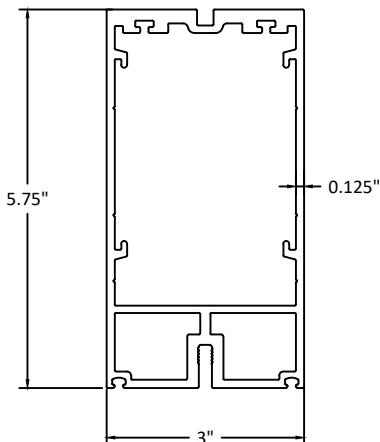
⑰ SHORT EXPANSION JOINT HEAD HORIZONTAL



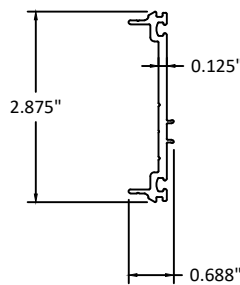
⑱ EXPANSION JOINT SILL HORIZONTAL



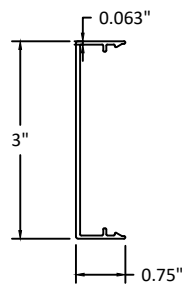
⑲ MULLION SLEEVE



⑳ 5.75" JAMB MULLION



㉑ OFFSET PRESSURE PLATE



㉒ FACE COVER



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PH: (800)878-1861

TITLE:
EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)

COMPONENTS

PREPARED BY:

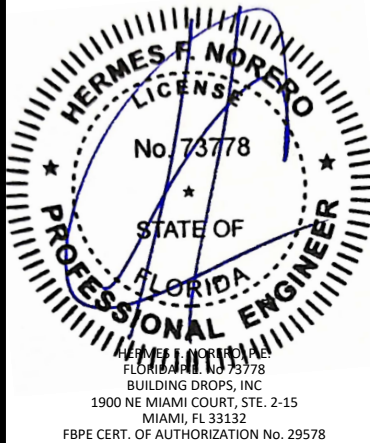
BUILDING DROPS, INC.

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REMARKS	BY	DATE

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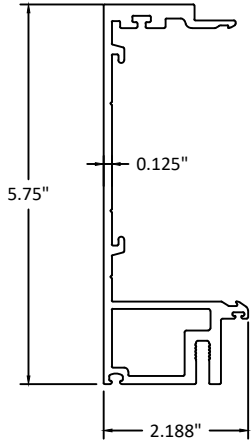
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SCALE: **NTS**

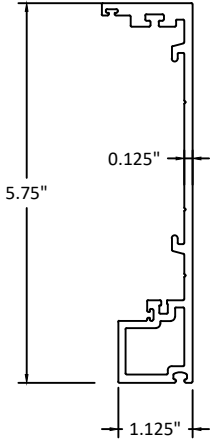
DWG. #: **EAP001**

SECTION:
8.0
[SHEET 34 of 37]

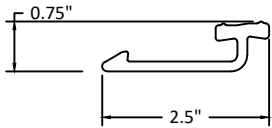
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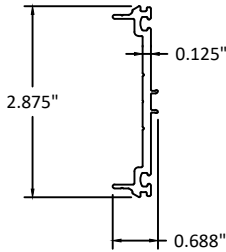
23 5.75" MALE MULLION



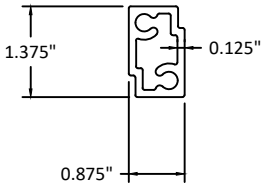
24 5.75" FEMALE MULLION



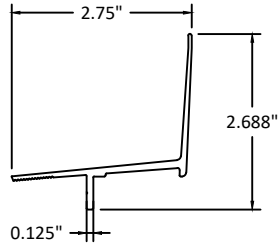
25 REAR ENGAGEMENT CLIP



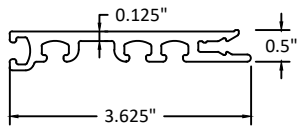
26 STANDARD PRESSURE PLATE



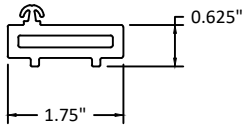
27 EXPANSION SILL SHEAR BLOCK



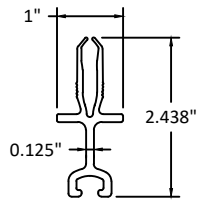
28 STARTER TRACK EDGE PROTECTOR



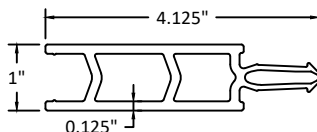
29 SILL HORIZ THERMAL SHIELD



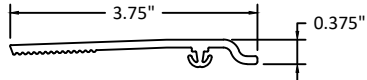
30 SSG VERTICAL PERIMETER SPACER



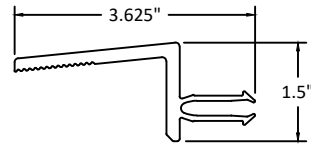
31 RAINSCREEN ADAPTER



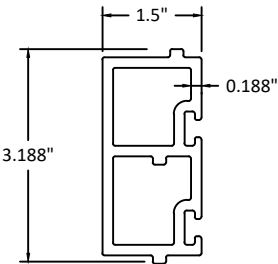
32 THERMAL ISOLATOR



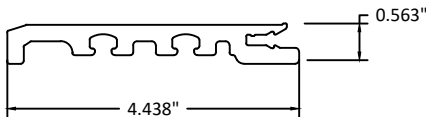
33 GLASS EDGE PROTECTOR



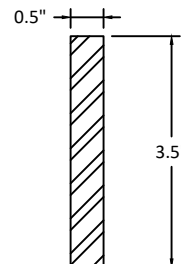
34 STARTER TRACK EDGE PROTECTOR



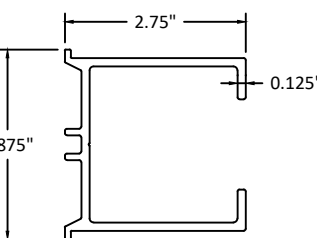
35 PERIMETER SPACER



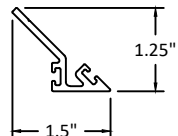
36 THERMAL SHIELD (CAPTURED)



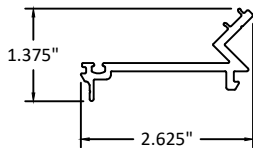
37 STEEL REINFORCEMENT



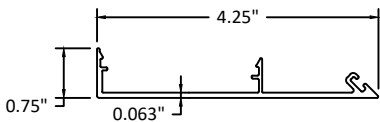
38 TWO PART JAMB ATTACHMENT SLEEVE



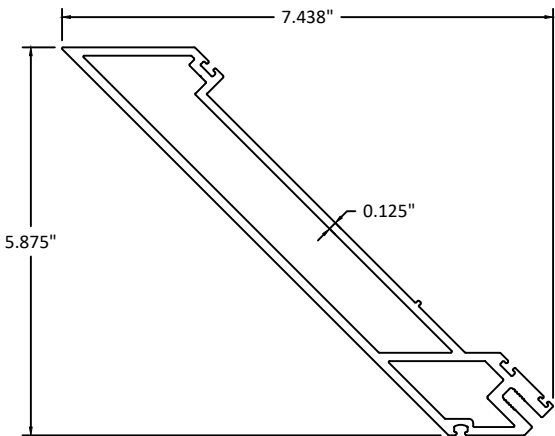
39 OUTSIDE CORNER TRIM



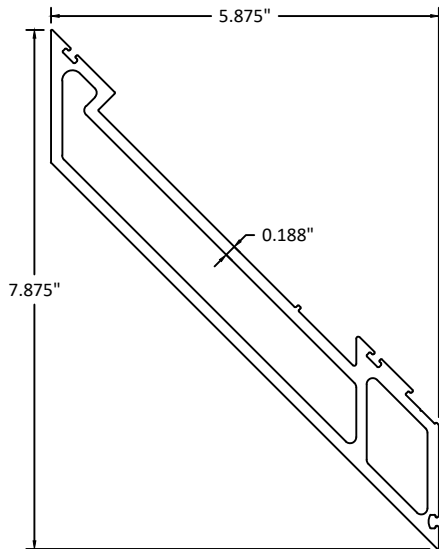
40 OUTSIDE CORNER PRESSURE PLATE



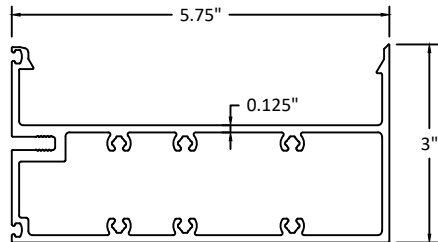
41 OUTSIDE CORNER COVER



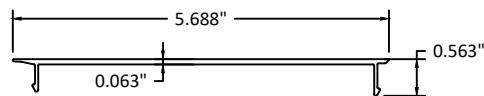
42 OUTSIDE CORNER MULLION



43 INSIDE CORNER MULLION



61 5.75" ROLL-OVER HORIZONTAL



62 HORIZONTAL FLUSH FILLER



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EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)/(NON-IMPACT)

COMPONENTS

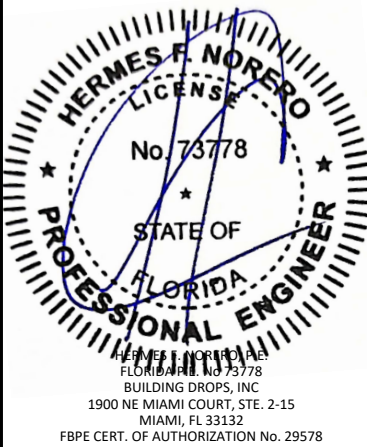
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DWG. BY: **SH** CHK. BY: **HFN**

SCALE: **NTS**

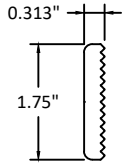
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SECTION:

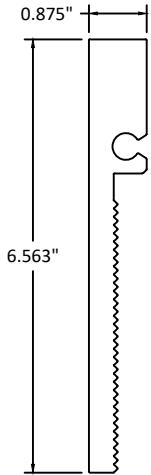
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[SHEET 35 of 37]

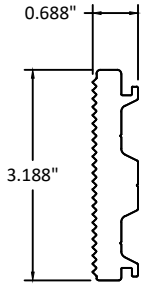
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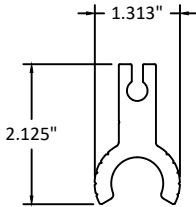
65 SERRATED WASHER



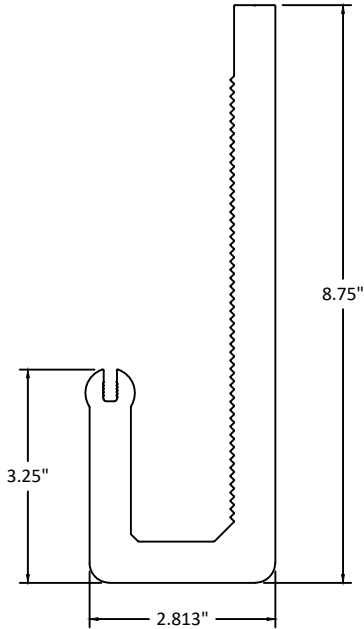
66 KNIFE BLADE ANCHOR



67 SERRATED SLEEVE



68 ANTI-WALKING CLIP



69 FOS BALL ANCHOR



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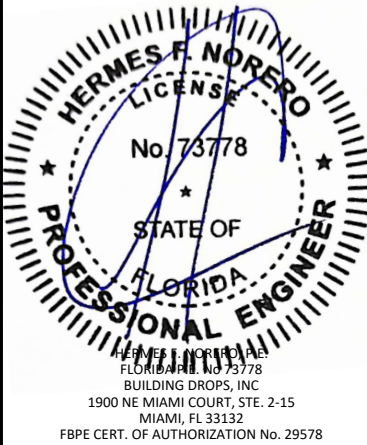
TITLE: EF 30 UW
CURTAIN WALL SYSTEM
(NON-HVHZ)(NON-IMPACT)
COMPONENTS

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CHK. BY: HFN

SCALE: NTS

DWG. #: EAP001

SECTION: 8.2
[SHEET 36 of 37]

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BILL OF MATERIALS			
ITEM	PART No.	DESCRIPTION	MATERIAL
1	E100016	SETTING BLACK CHAIR	6063-T5
2	E100010	SSG PERIMETER TRIM ADAPTER	6063-T6
3	E100014	SSG PERIMETER TRIM	6063-T6
4	E100142	SSG SETTING BLOCK CHAIR	6063-T6
5	E100182	SSG SILL HORIZ SETTING BLOCK CHAIR	6063-T6
6	E102081	5.75" WIND LOAD STARTER TRACK	6063-T6
7	E102178	5.75" DEAD LOAD STARTER TRACK	6063-T6
8	E102082	5.75" STARTER TRACK ANCHOR INSERT	6005A-T61
9	E102083	MULLION ANCHOR SLEEVE	6005A-T61
10	E100202	INTERMEDIATE HORIZONTAL	6063-T6
11	E101108	HOOK ANCHOR	6005A-T61
12	E101111	SERRATED WASHER	6005A-T61
13	E101110	BALL ANCHOR	6005A-T61
14	E101109	MULLION ANCHOR BLOCK	6005A-T61
15	E101189	EXPANSION JOINT ALIGNMENT PLATE	6063-T6
16	E102078	EXPANSION JOINT HEAD HORIZONTAL	6063-T6
17	E101205	SHORT EXPANSION JOINT HEAD HORIZONTAL	6063-T6
18	E100831	EXPANSION JOINT SILL HORIZONTAL	6063-T6
19	E100205	MULLION SLEEVE	6063-T6
20	E100199	5.75" JAMB MULLION	6063-T6
21	E100141	OFFSET PRESSURE PLATE	6063-T6
22	E100015	FACE COVER	6063-T6
23	E100196	5.75" MALE MULLION	6063-T6
24	E100198	5.75" FEMALE MULLION	6063-T6
25	E100009	REAR ENGAGEMENT CLIP	6063-T6
26	E100140	STANDARD PRESSURE PLATE	6063-T6
27	E100155	SILL HORIZONTAL SHEAR BLOCK	6063-T6
28	P10141	STARTER TRACK EDGE PROTECTOR	UV RIGID PVC
29	P100004	THERMAL SHIELD	UV RIGID PVC
30	P100005	PERIMETER TRIM SPACE	UV RIGID PVC
31	P100003	RAINSCREEN ADAPTER	UV RIGID PVC
32	P100037P	THERMAL ISOLATOR	POLYAMIDE
33	P100006	GLASS EDGE PROTECTOR	UV RIGID PVC
34	P100258	STARTER TRACK EDGE PROTECTOR	UV RIGID PVC
35	P100002	PERIMETER SPACER	UV RIGID PVC
36	P100976	THERMAL SHIELD (CAPTURED)	UV RIGID PVC
37	-	STEEL REINFORCEMENT	A36 STEEL
38	E100841	TWO PART JAMB ATTACHMENT SLEEVE	6005A-T61
39	E100522	OUTSIDE CORNER TRIM	6063-T6
40	E100687	OUTSIDE CORNER PRESSURE PLATE	6063-T6
41	E100688	OUTSIDE CORNER COVER	6063-T6
42	E100306	OUTSIDE CORNER MULLION	6063-T6
43	E100857	INSIDE CORNER MULLION	6063-T6
44	G100086	INTERIOR GLAZING GASKET	SILICONE
45	G100081	INTERIOR GLAZING GASKET	SILICONE
46	G100006	RAINSCREEN GASKET	SILICONE
47	G100005	EXTERIOR GLAZING GASKET	SILICONE
48	G100082	INTERIOR GLAZING GASKET	SILICONE
49	G100004	VERTICAL GLAZING WIPER GASKET	SILICONE
50	G100007	JOINT RAINSCREEN GASKET	SILICONE
51	G100008	SSG TRIM GASKET	SILICONE
52	G100141	BULB GASKET	SILICONE
53	G100010	WIPER GASKET	SILICONE

BILL OF MATERIALS			
ITEM	PART No.	DESCRIPTION	MATERIAL
54	G100011	BULB GASKET	SILICONE
55	G100083	INTERIOR GLAZING GASKET	SILICONE
56	EF3189	3/8"-16 X 1.5" HH CAP SCREW	STAINLESS STEEL
57	EF4087	12-11 X 1.25" HWHSMS TYPE A	STAINLESS STEEL
58	EF5190	5/16"-18 X 1.5" HWHTCS TYPE F	ZINC
59	EF3484	14-10 X 0.625" HWSHMS TYPE A	STAINLESS STEEL
60	EF4045	1/4"-14 X 2" PPHSDS #3 TEK	STAINLESS STEEL
61	E100521	5.75" ROLL-OVER HORIZONTAL	6063-T6
62	E100731	HORIZONTAL FLUSH FILLER	6063-T6
63	-	F-ANCHOR CLIP	6063-T6
64	-	T-ANCHOR CLIP	6063-T6
65	E101111	1.75" X 0.25" SERRATED WASHER	6063-T6
66	E102254	6.5625" X 0.375" KNIFE BLADE ANCHOR	6063-T6
67	E100214	5.75" X 0.375" SERRATED SLEEVE	6063-T6
68	E100171	ANTI-WALKING CLIP	6063-T6
69	E101140	8.75" X 0.625" FOS BALL ANCHOR	6063-T6
70	EF5220	1/4"-20 X 0.625" UCFPHMS	ZINC
71	EF3343	1/2"-13 X 1" FSC CAP SCREW	STAINLESS STEEL
72	EF3143	1/4"-20 X 1.75" PPHMS	STAINLESS STEEL
73			

NOTE: 5.75" DEEP PROFILES SHOWN. 6.75" AND 7.75" PROFILES QUALIFIED FOR SAME DETAILS AND DESIGN PRESSURES SHOWN.



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EF 30 UW
CURTAIN WALL SYSTEM
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BILL OF MATERIALS

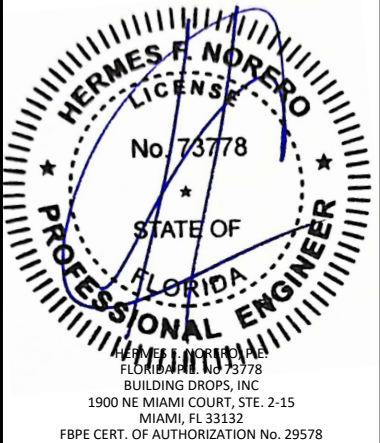
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SCALE: **NTS**

DWG. #: **EAP001**

SECTION:
8.3
[SHEET 37 of 37]