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REYNAERS ALUMINIUM

CONCEPTWALL 50 STD CURTAIN WALL SYSTEM (WZ3)(IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
3. REFER TO SECTION 7 & 8 FOR ANCHOR TYPE, SUBSTRATE STRENGTH, EMBEDMENT, & EDGE DISTANCE REQUIREMENTS. FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS FOR INSTALLATION OF ANCHORS.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
6. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
7. 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.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA 501-15
 - ASTM E283-04 (2012)
 - ASTM E330-14
 - ASTM E331-00 (2009)
 - TAS 201-94
 - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
7. CURTAIN WALL MATERIAL: ALUMINUM 6060-T66
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SECTION 5 FOR GLAZING DETAILS.

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SECTION	SECTION DESCRIPTION
1	COVER SHEET & GENERAL NOTES
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6	MULLION CAPACITY TABLES
7	ANCHOR DETAILS & CAPACITY TABLES
8	INTERMEDIATE ANCHOR DETAILS AND CAPACITY TABLE

INSTRUCTIONS FOR USE:

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



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TITLE:
CONCEPTWALL 50 STD
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)

INSTALLATION &
GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.

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MIAMI, FL 33132

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FAX: (954)744-4738

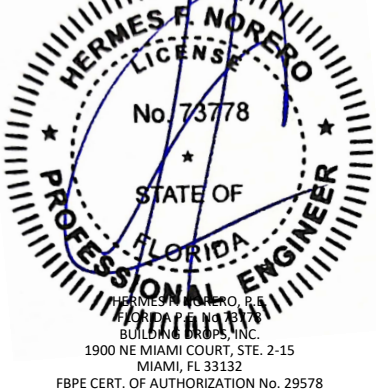
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Reason: I am approving this document
Date: 2025.10.17 17:30:39 -04'00'



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FL47838

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HFN

SCALE: **NTS**

DWG. #: **REY008**

SHEET:

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[SHEET 1 of 17]

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ELEVATIONS

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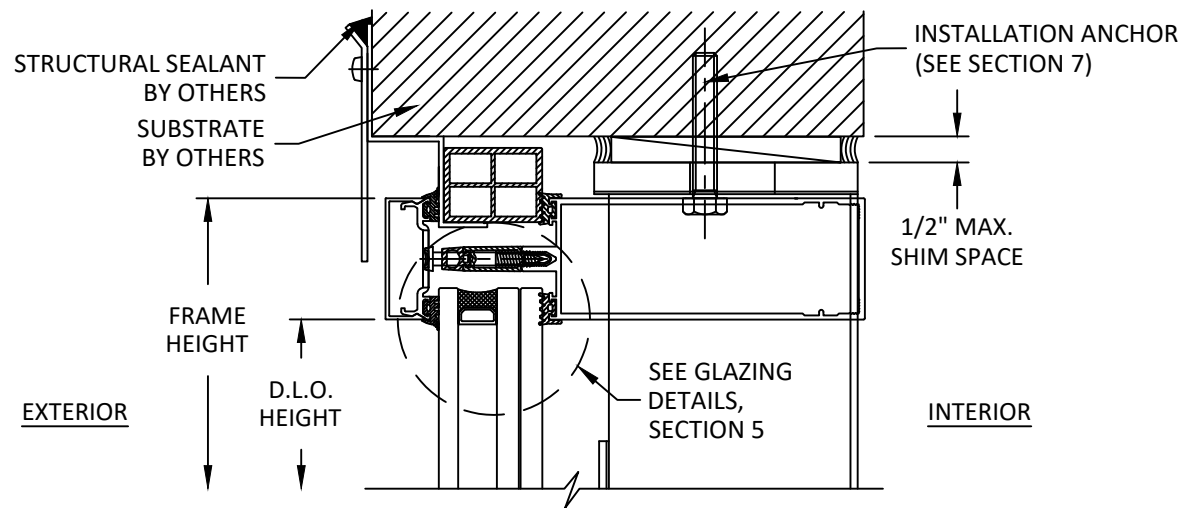
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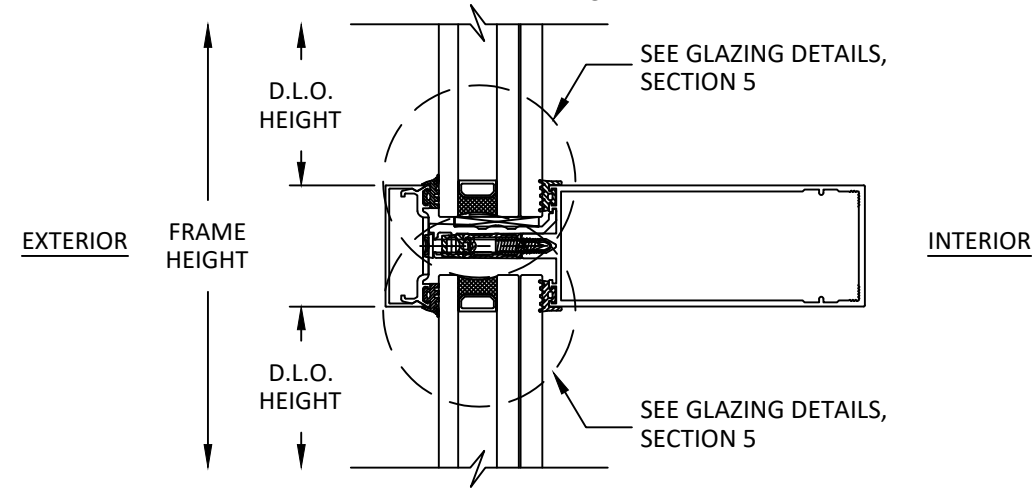
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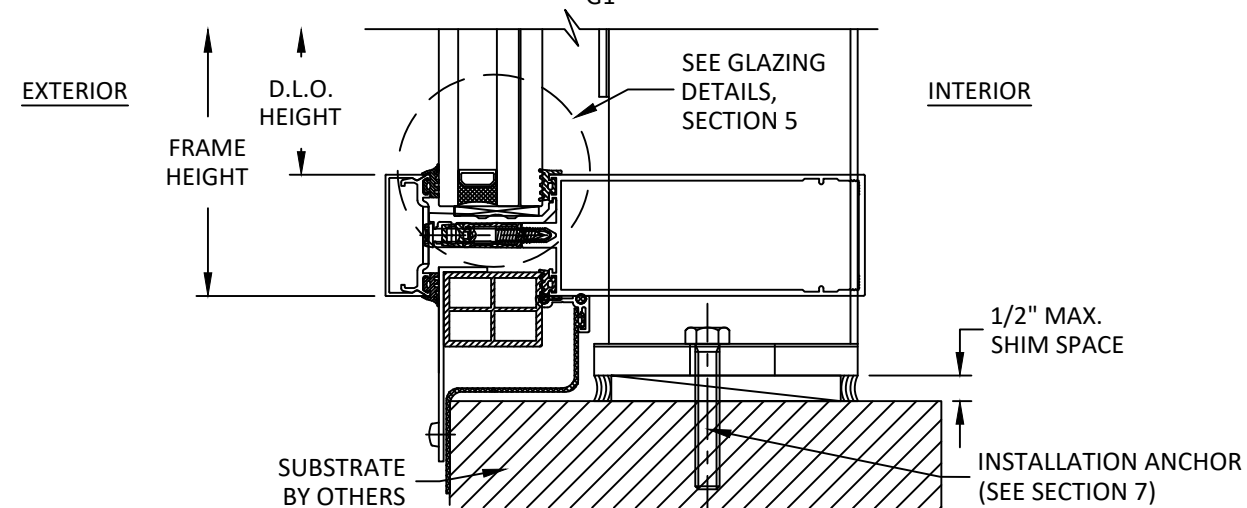
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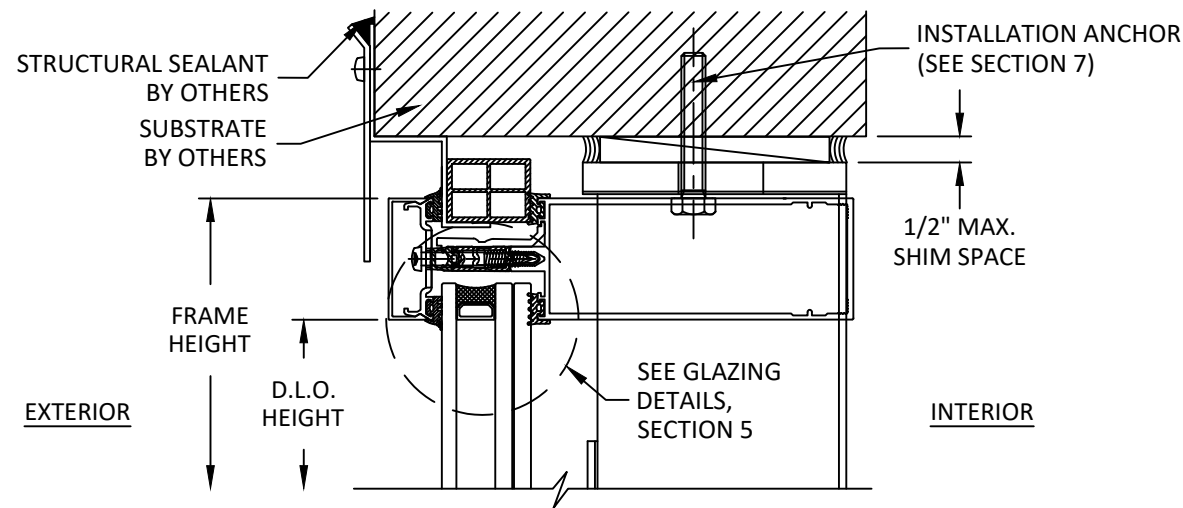
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HEAD (H1)
G1



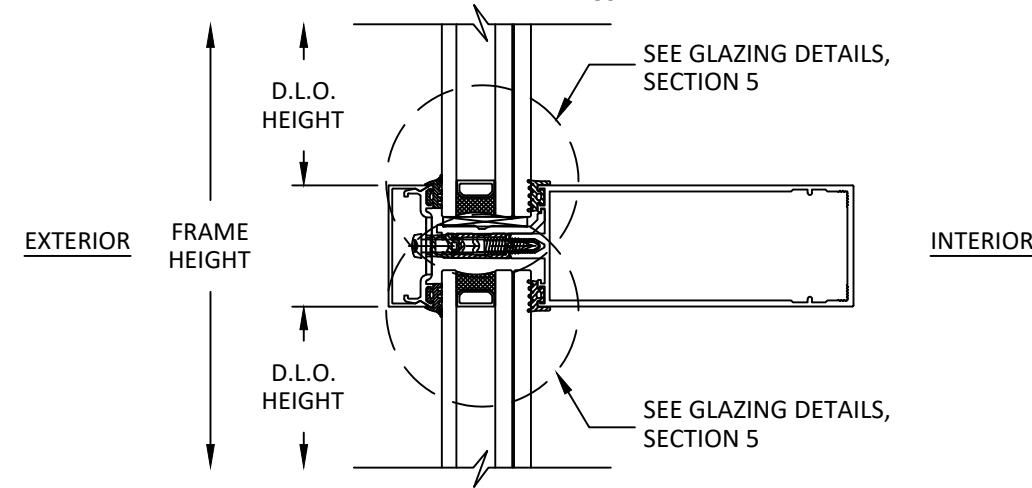
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HORIZONTAL MULLION (H1)
G1



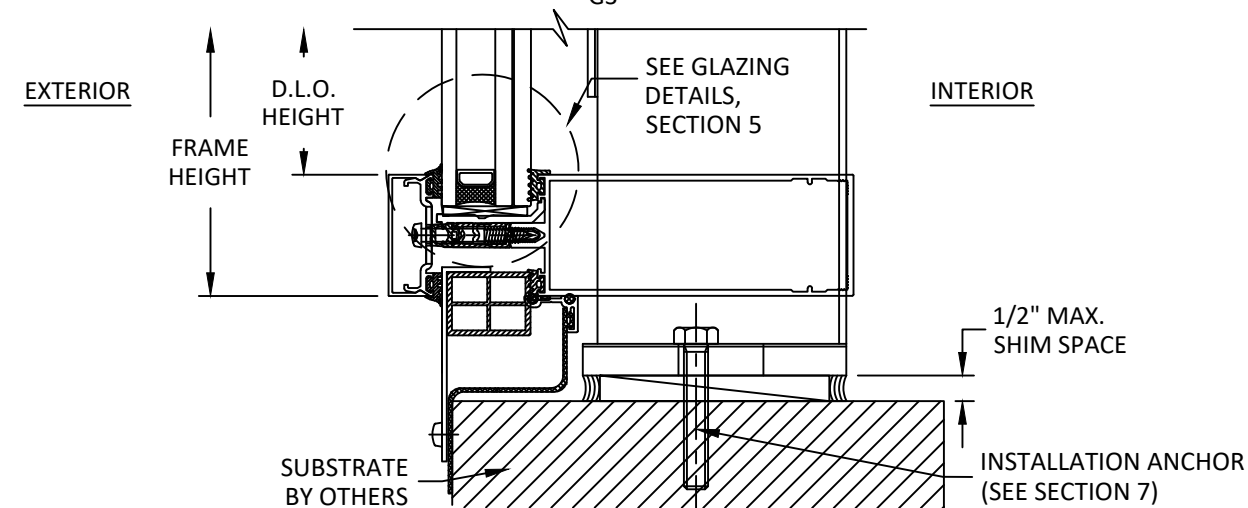
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VERTICAL SECTION
SILL (H1)
G1



4
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VERTICAL SECTION
HEAD (H1)
G3



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VERTICAL SECTION
HORIZONTAL MULLION (H1)
G3



6
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VERTICAL SECTION
SILL (H1)
G3



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VERTICAL SECTIONS

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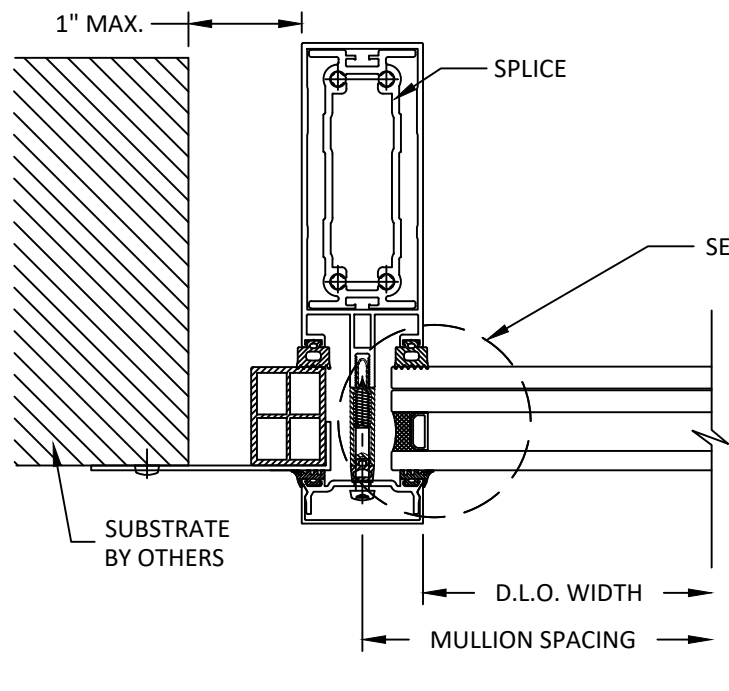
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[SHEET 3 of 17]

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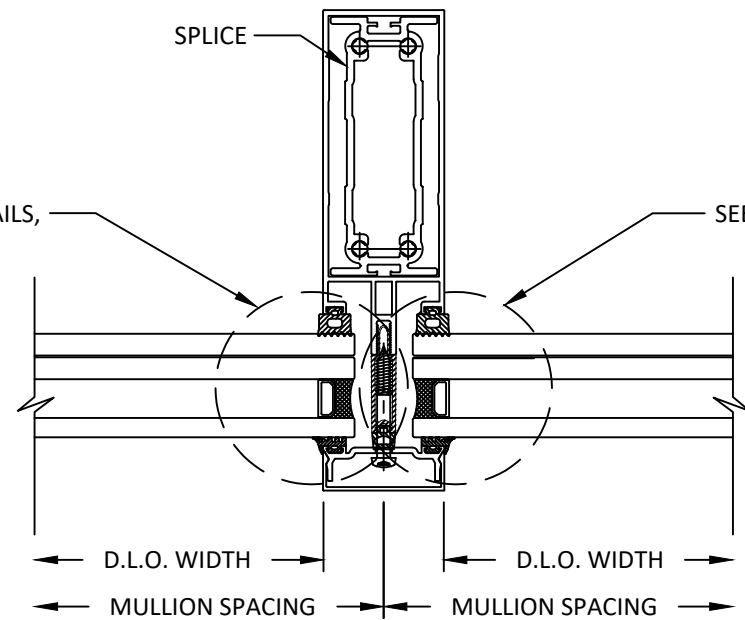
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G2

INTERIOR

SEE GLAZING DETAILS,
SECTION 5

D.L.O. WIDTH
MULLION SPACING

EXTERIOR



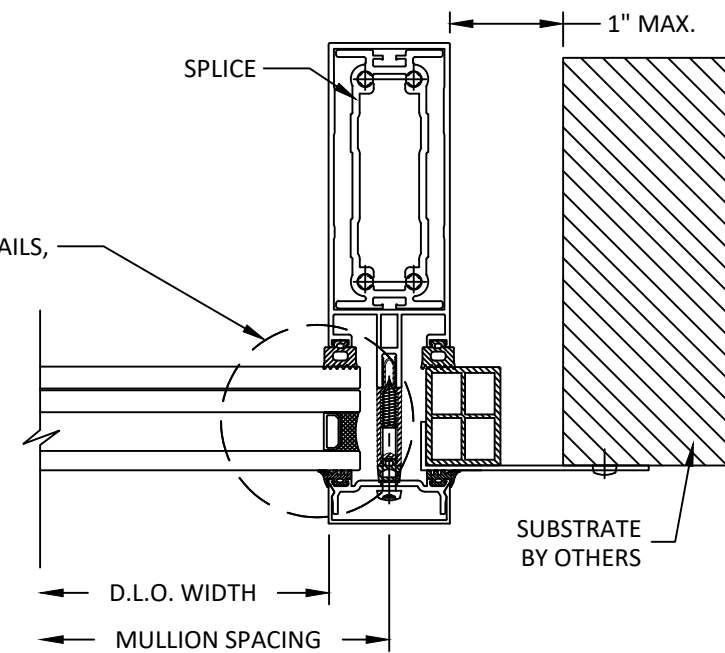
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4.0 VERTICAL MULLION (M1)
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INTERIOR

SEE GLAZING DETAILS,
SECTION 5

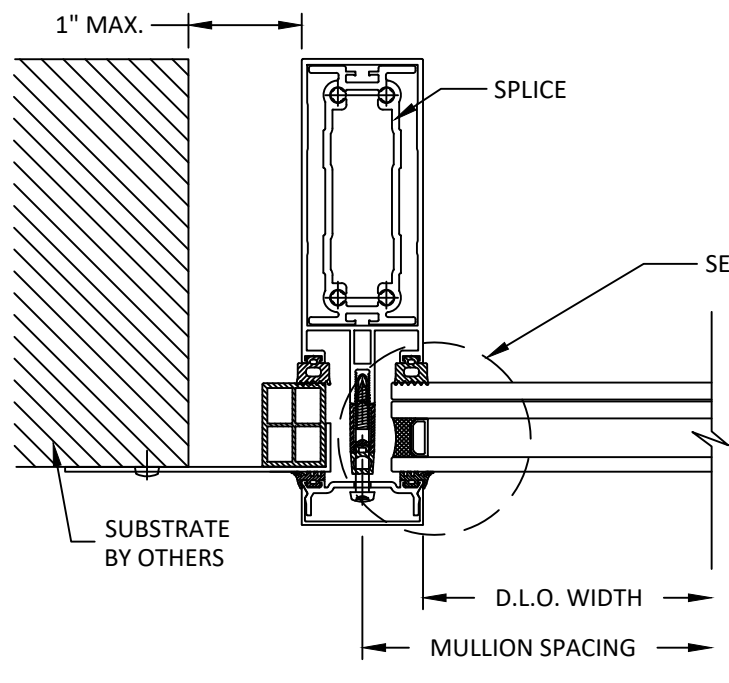
D.L.O. WIDTH
MULLION SPACING

EXTERIOR



3 HORIZONTAL SECTION
4.0 JAMB (M1)
G2

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.



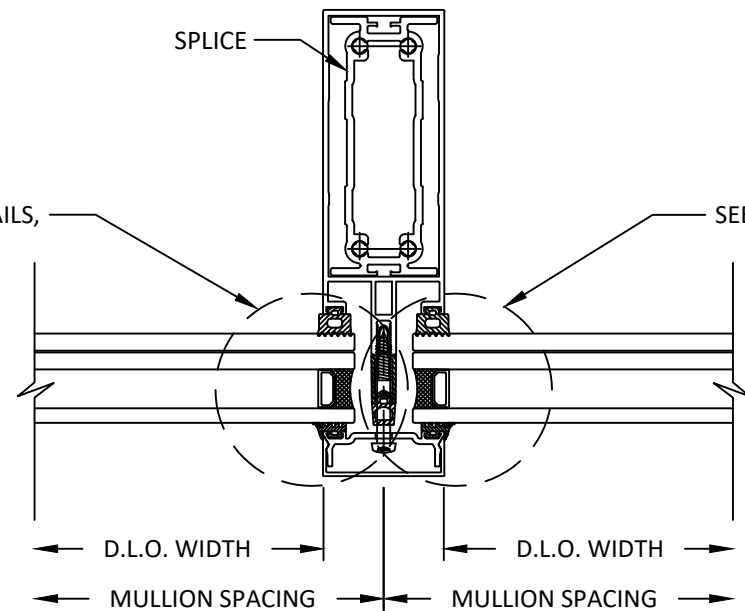
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4.0 JAMB (M1)
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INTERIOR

SEE GLAZING DETAILS,
SECTION 5

D.L.O. WIDTH
MULLION SPACING

EXTERIOR



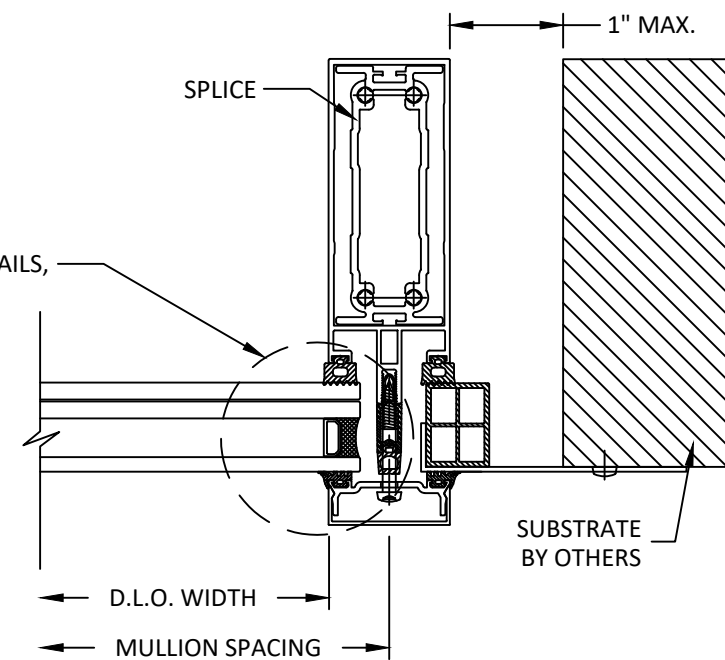
5 HORIZONTAL SECTION
4.0 VERTICAL MULLION (M1)
G4

INTERIOR

SEE GLAZING DETAILS,
SECTION 5

D.L.O. WIDTH
MULLION SPACING

EXTERIOR



6 HORIZONTAL SECTION
4.0 JAMB (M1)
G4



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TITLE:
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(WZ3) (IMPACT)

HORIZONTAL SECTIONS

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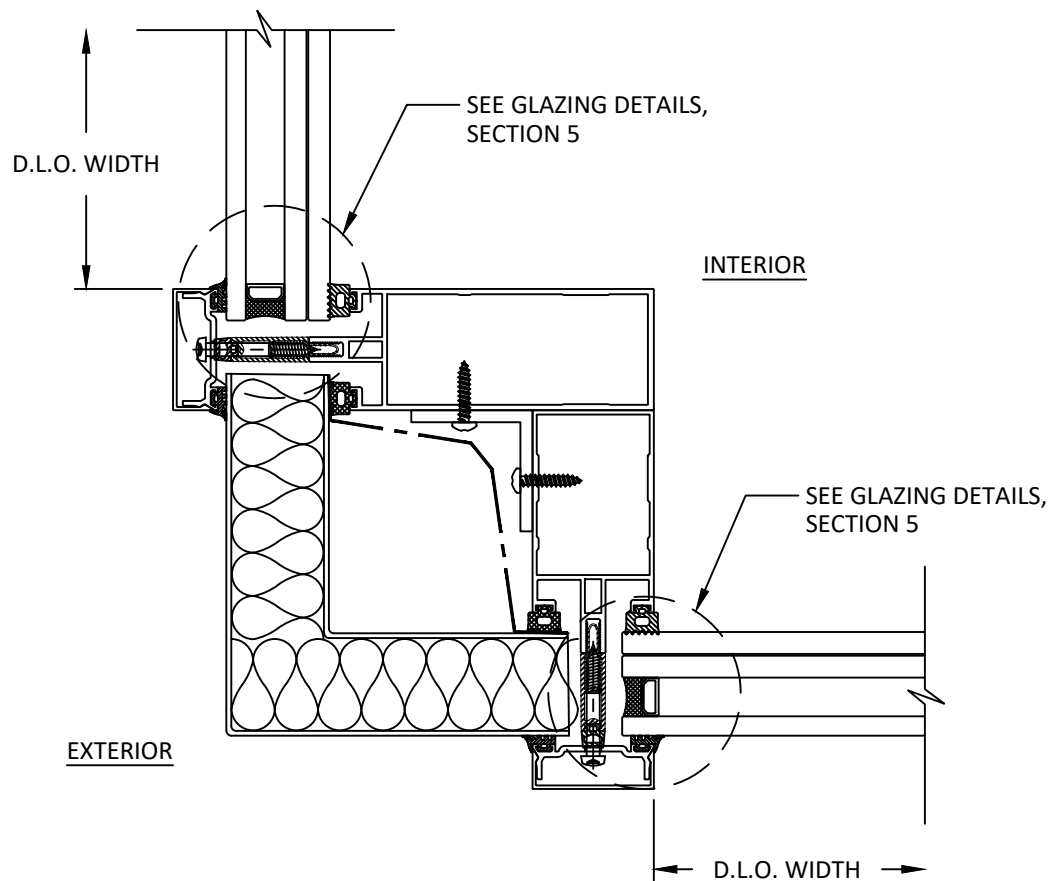
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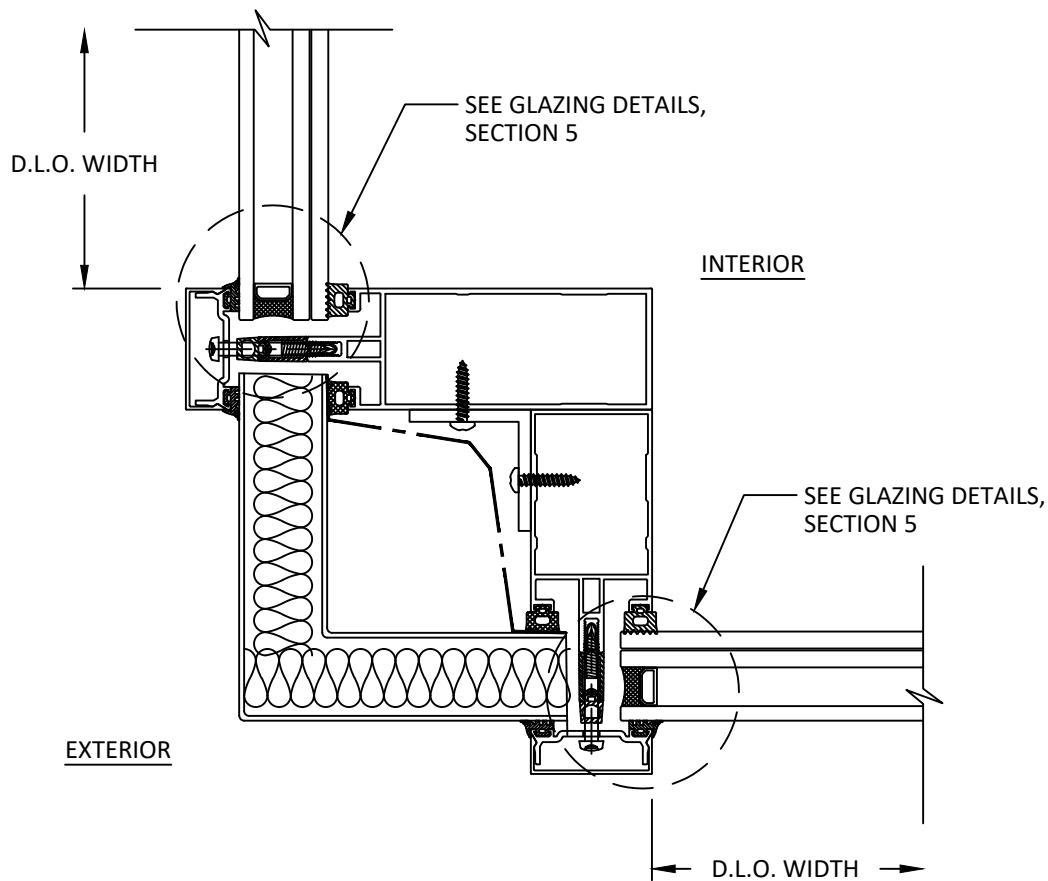
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1 HORIZONTAL SECTION
4.1 90 DEGREE OUTSIDE CORNER MULLION (M15)
G2



2 HORIZONTAL SECTION
4.1 90 DEGREE OUTSIDE CORNER MULLION (M15)
G4



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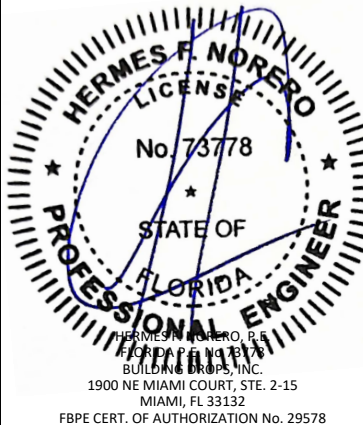
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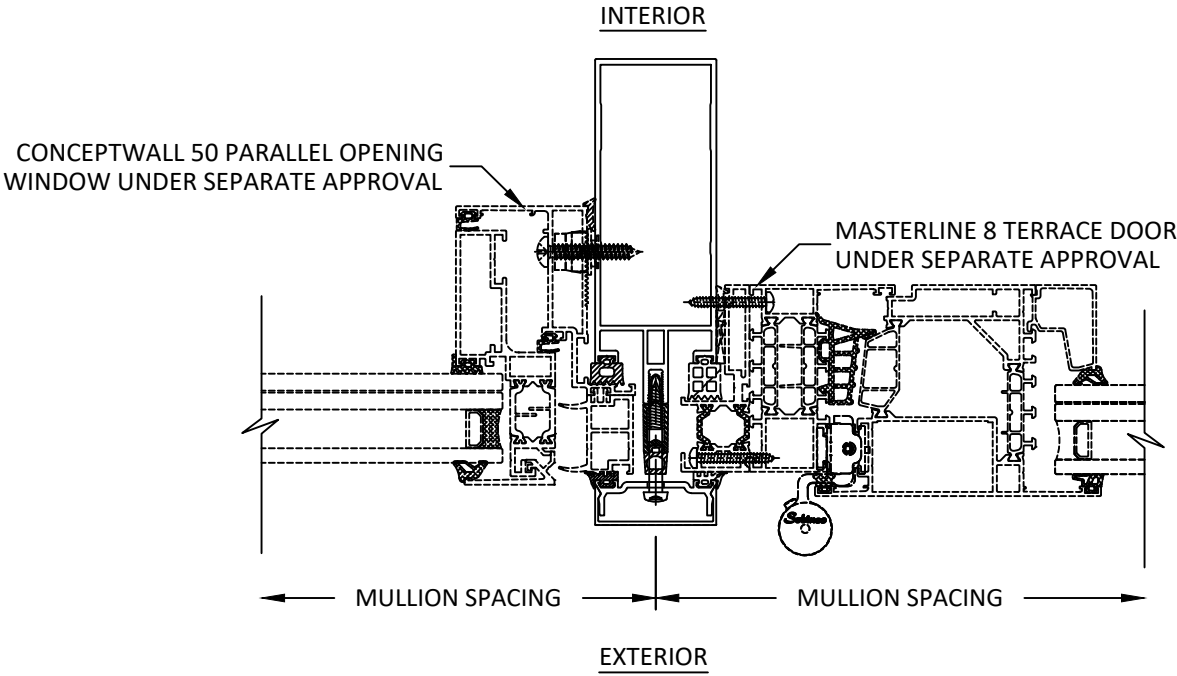
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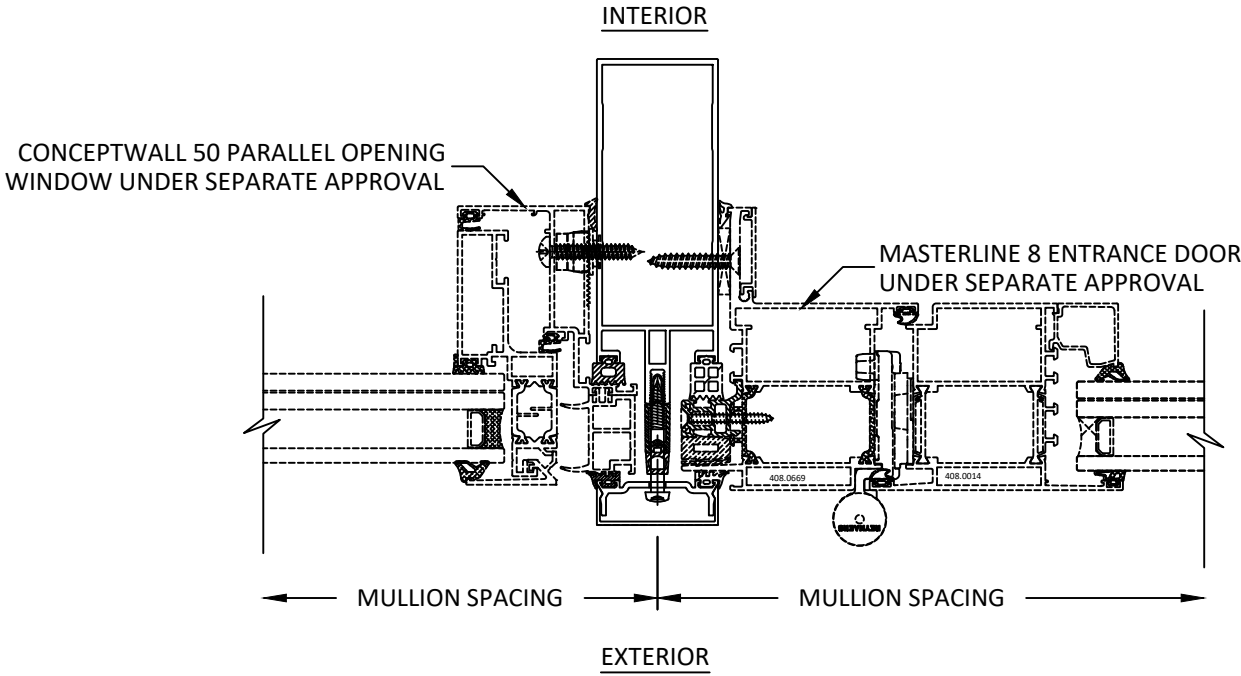
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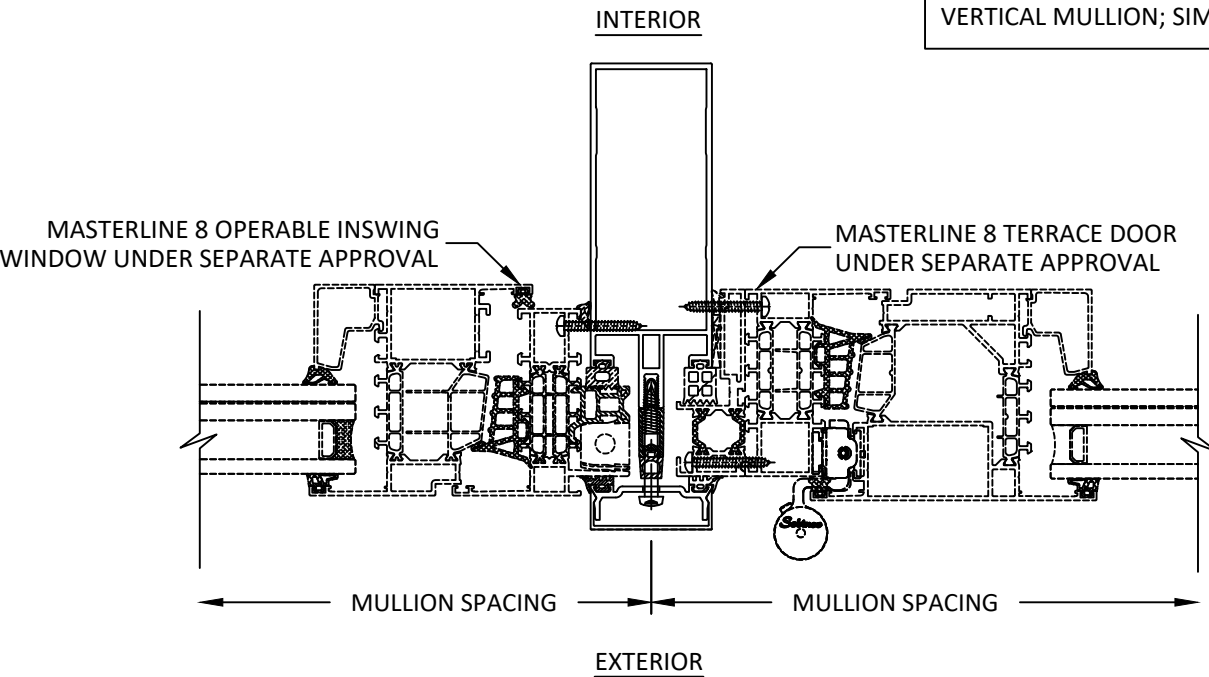
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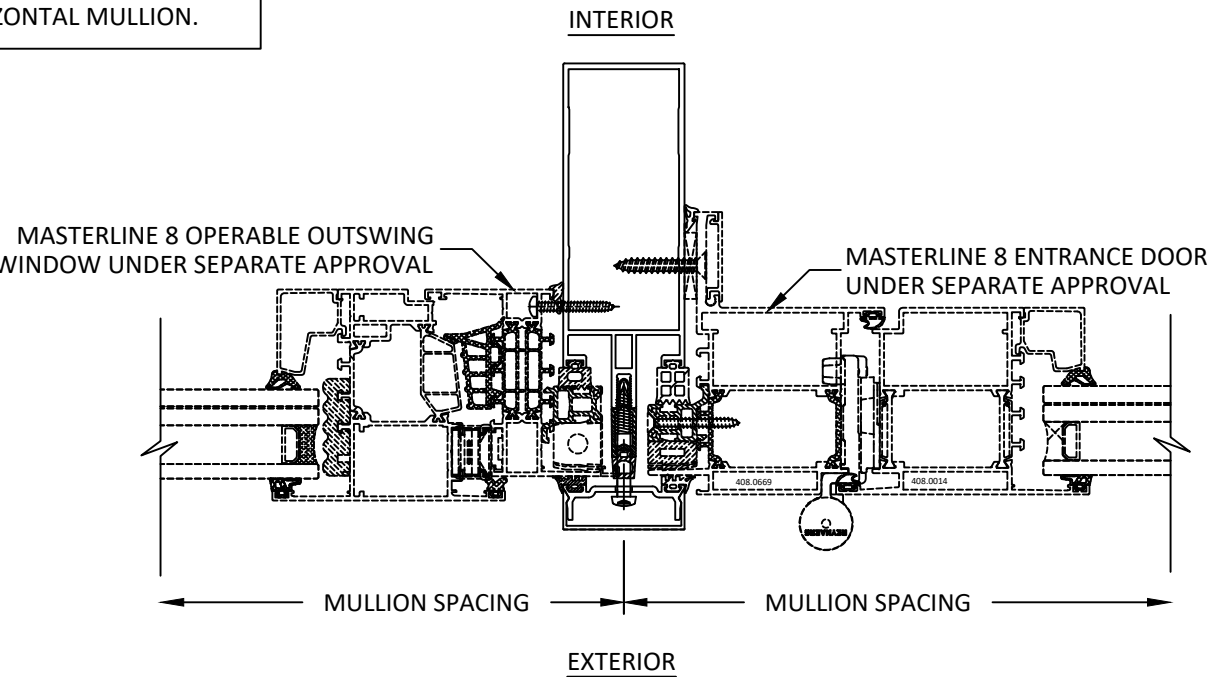
1 HORIZONTAL SECTION
4.2 VERTICAL MULLION



2 HORIZONTAL SECTION
4.2 VERTICAL MULLION



3 HORIZONTAL SECTION
4.2 VERTICAL MULLION



4 HORIZONTAL SECTION
4.2 VERTICAL MULLION

NOTE: CONCEPTWALL 50 POW AND MASTERLINE 8 PRODUCT INTEGRATION INTO CONCEPTWALL 50 STD SHOWN FOR VERTICAL MULLION; SIMILAR AT HORIZONTAL MULLION.



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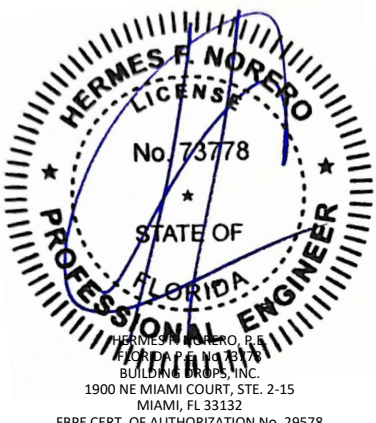
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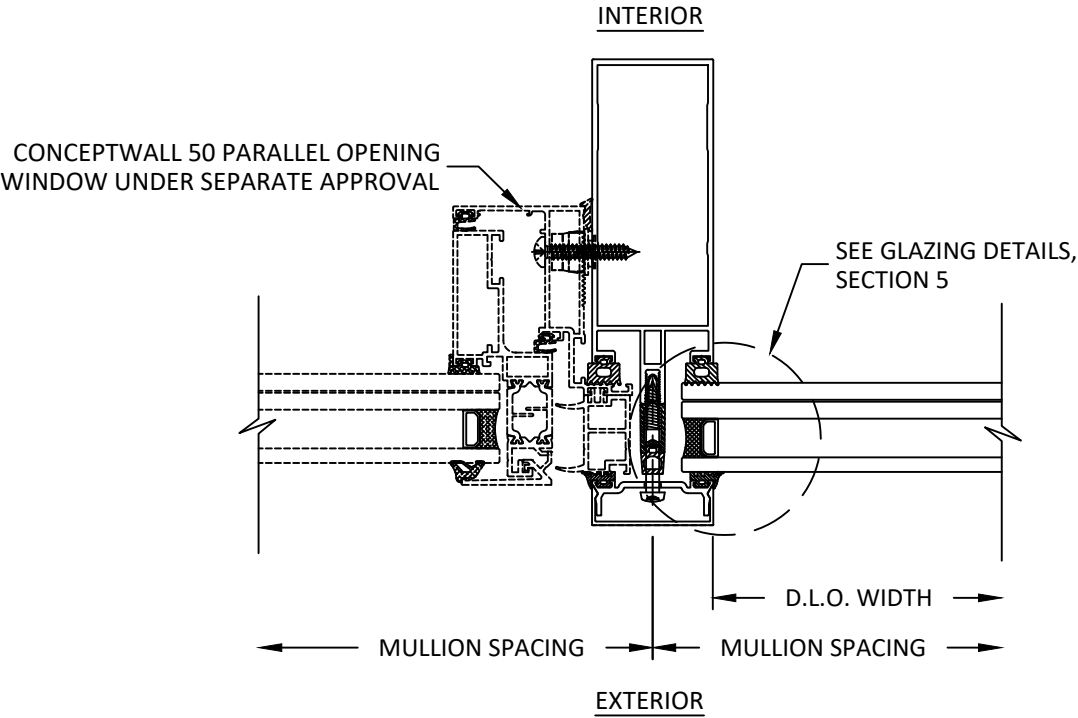
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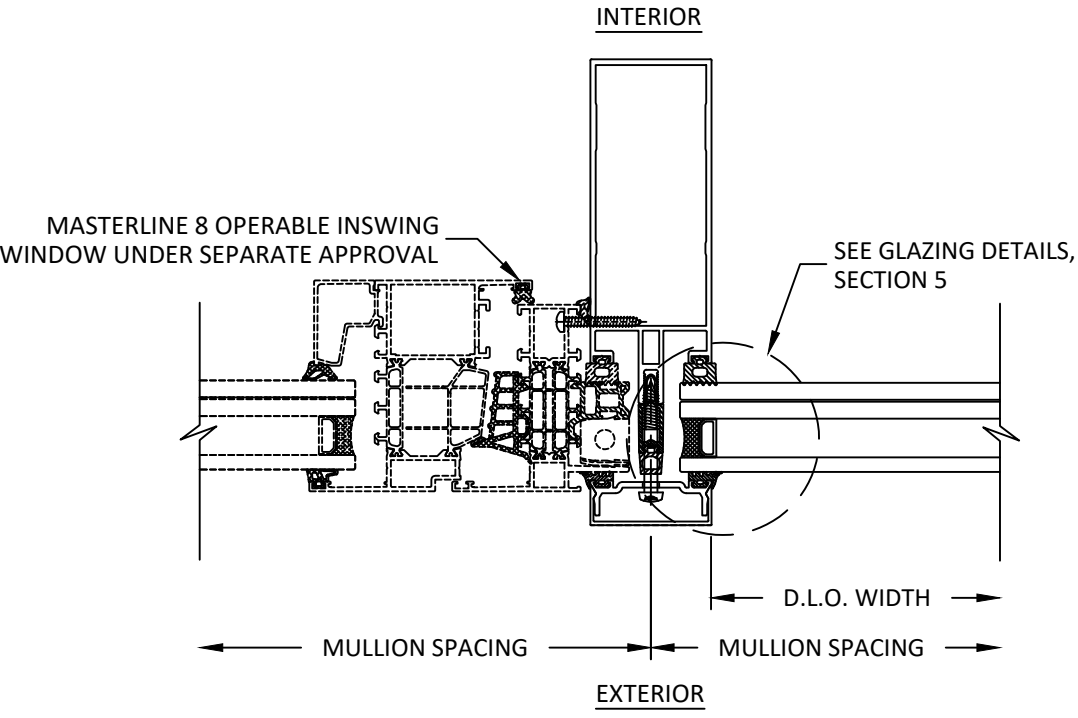


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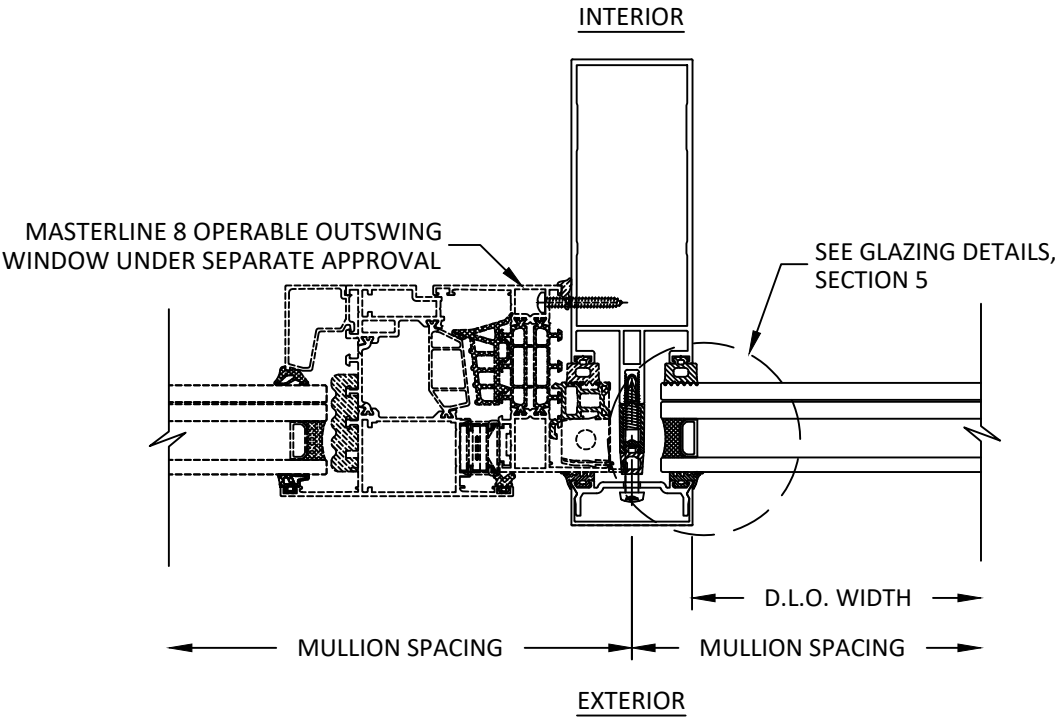
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1 HORIZONTAL SECTION
4.3 VERTICAL MULLION



2 HORIZONTAL SECTION
4.3 VERTICAL MULLION



3 HORIZONTAL SECTION
4.3 VERTICAL MULLION

NOTE: CONCEPTWALL 50 POW AND MASTERLINE 8 PRODUCT INTEGRATION INTO CONCEPTWALL 50 STD SHOWN FOR VERTICAL MULLION; SIMILAR AT HORIZONTAL MULLION.



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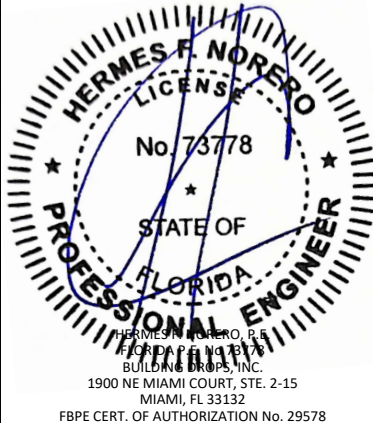
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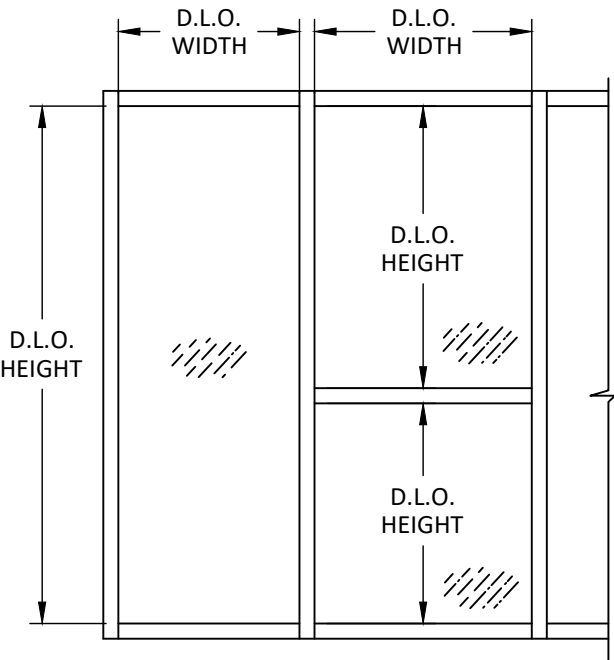
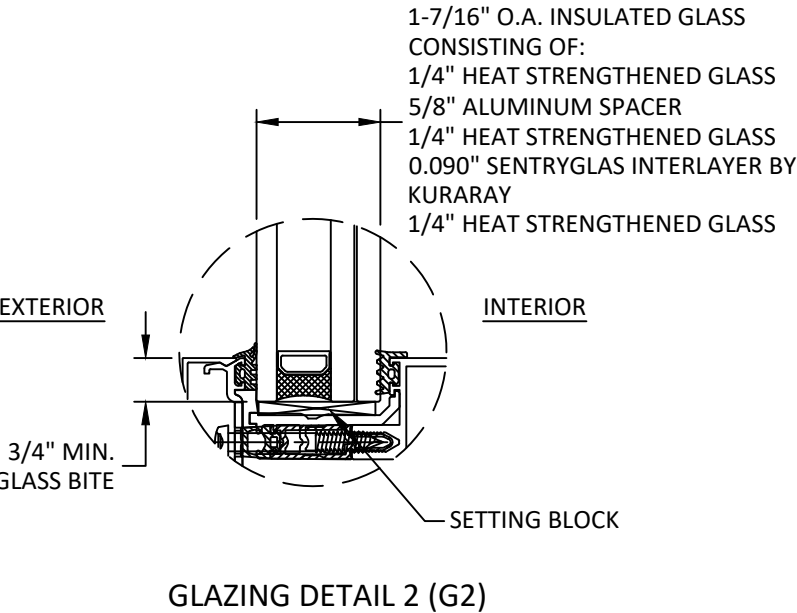
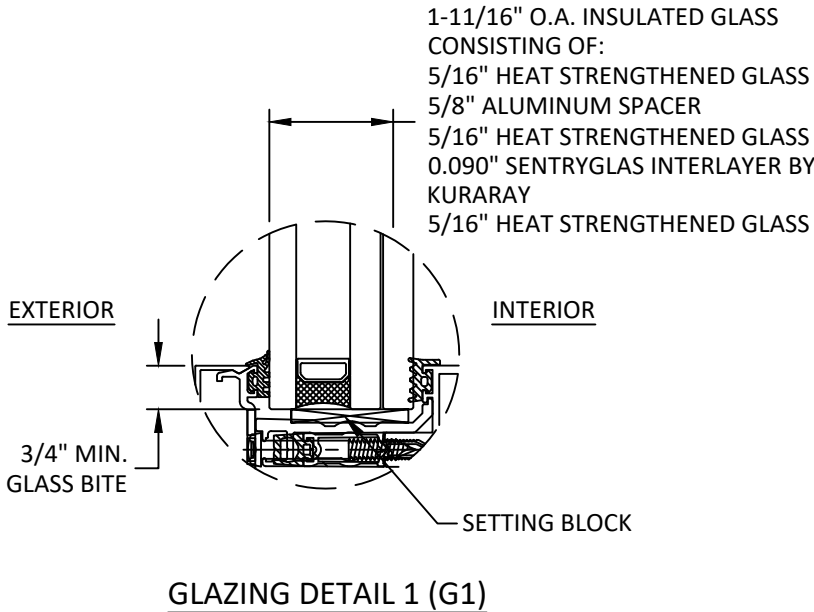
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[SHEET 7 of 17]

GLASS CAPACITY TABLES



GLAZING NOTES:

- GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- GLASS CAPACITIES ARE LIMITED BY THE RESULTS OF COMPARATIVE ANALYSIS IN ACCORDANCE WITH CHAPTER 17 OF THE CURRENT FBC.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.

GLASS LOAD CAPACITY			
D.L.O. WIDTH (IN.)	D.L.O. HEIGHT (IN.)	DESIGN PRESSURE (+/- PSF)	
		G1	G2
28	82	60.0	60.0
34		60.0	60.0
40		60.0	60.0
46		60.0	56.1
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-
28	88	60.0	60.0
34		60.0	60.0
40		60.0	60.0
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-
28	94	60.0	60.0
34		60.0	60.0
40		60.0	60.0
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-
28	100	60.0	60.0
34		60.0	60.0
40		60.0	-
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-
28	106	60.0	60.0
34		60.0	60.0
40		60.0	-
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-
28	112	60.0	60.0
34		60.0	60.0
40		60.0	-
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-
28	118	60.0	60.0
34		60.0	-
40		60.0	-
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-

GLASS LOAD CAPACITY			
D.L.O. WIDTH (IN.)	D.L.O. HEIGHT (IN.)	DESIGN PRESSURE (+/- PSF)	
		G1	G2
28	124	60.0	60.0
34		60.0	-
40		60.0	-
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-
28	130	60.0	60.0
34		60.0	-
40		60.0	-
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-
28	136	60.0	60.0
34		60.0	-
40		60.0	-
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-
28	142	60.0	-
34		60.0	-
40		60.0	-
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-
28	148	60.0	-
34		60.0	-
40		60.0	-
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-
28	154	60.0	-
34		60.0	-
40		60.0	-
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-
28	160	60.0	-
34		60.0	-
40		60.0	-
46		60.0	-
52		60.0	-
58		60.0	-
64		60.0	-
70		60.0	-
76		60.0	-
82		60.0	-



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EMAIL: INFO.N-A@REYNAERS.COM

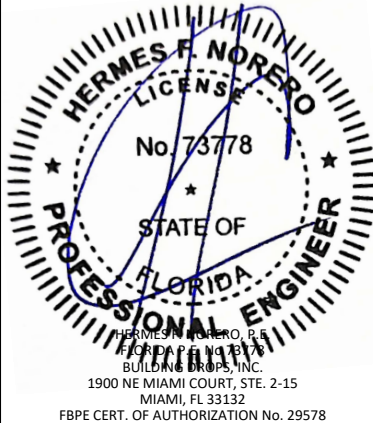
TITLE:
CONCEPTWALL 50 STD
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
GLAZING DETAILS &
GLASS CAPACITY TABLES

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

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FL #:
FL47838

DATE: 08.29.25

DWG. BY: DB
CHK. BY: HFN

SCALE: NTS

DWG. #: REY008

SHEET:

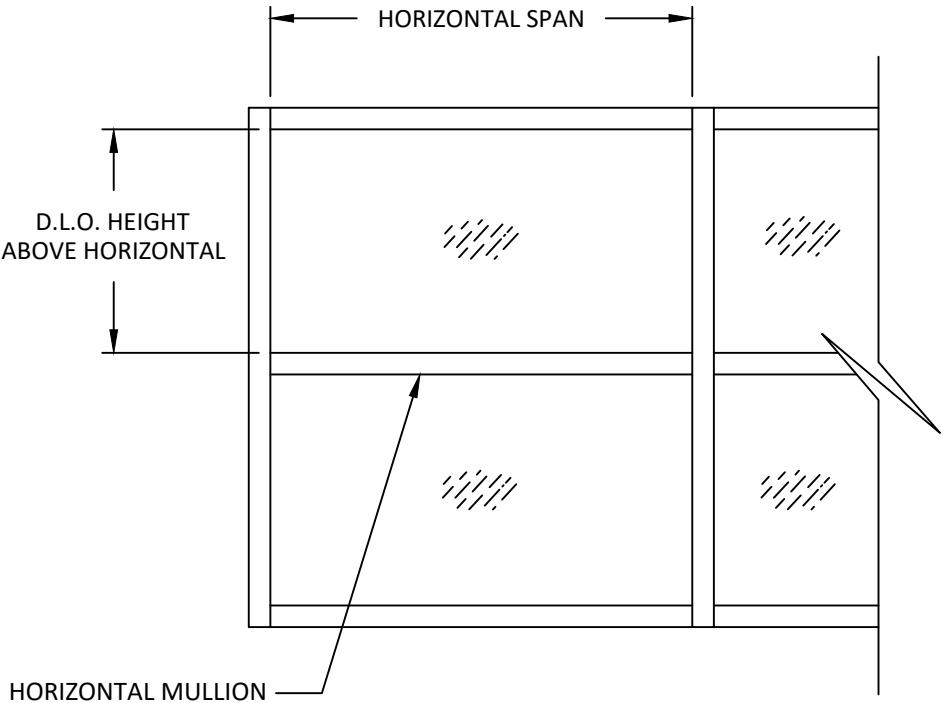
5.0

[SHEET 8 of 17]

HORIZONTAL MULLION CAPACITY TABLE

NOTES:

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



MULLION LOAD CAPACITY						
D.L.O. HEIGHT ABOVE HORIZONTAL (IN.)	HORIZONTAL SPAN (IN.)	DESIGN PRESSURE (+/- PSF)				
		H1	H2	H3	H4	H5
156	42	60.0	60.0	60.0	60.0	60.0
138	48	60.0	60.0	60.0	60.0	60.0
126	54	60.0	60.0	60.0	60.0	60.0
102	60	60.0	60.0	60.0	60.0	60.0
78	66	60.0	60.0	60.0	60.0	60.0
60	72	60.0	60.0	60.0	60.0	60.0
48	78	60.0	60.0	60.0	60.0	60.0



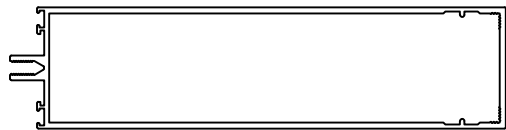
034.3526
H1



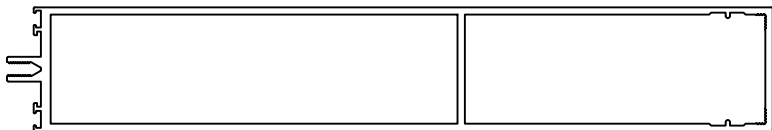
034.3527
H2



034.3528
H3



034.3529
H4



034.3535
H5



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EMAIL: INFO.N-A@REYNAERS.COM

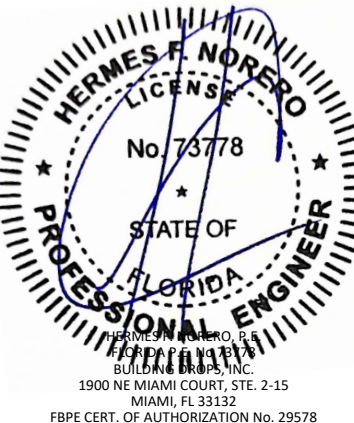
TITLE: CONCEPTWALL 50 STD CURTAIN WALL SYSTEM (WZ3) (IMPACT)
HORIZONTAL MULLION CAPACITY TABLE

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

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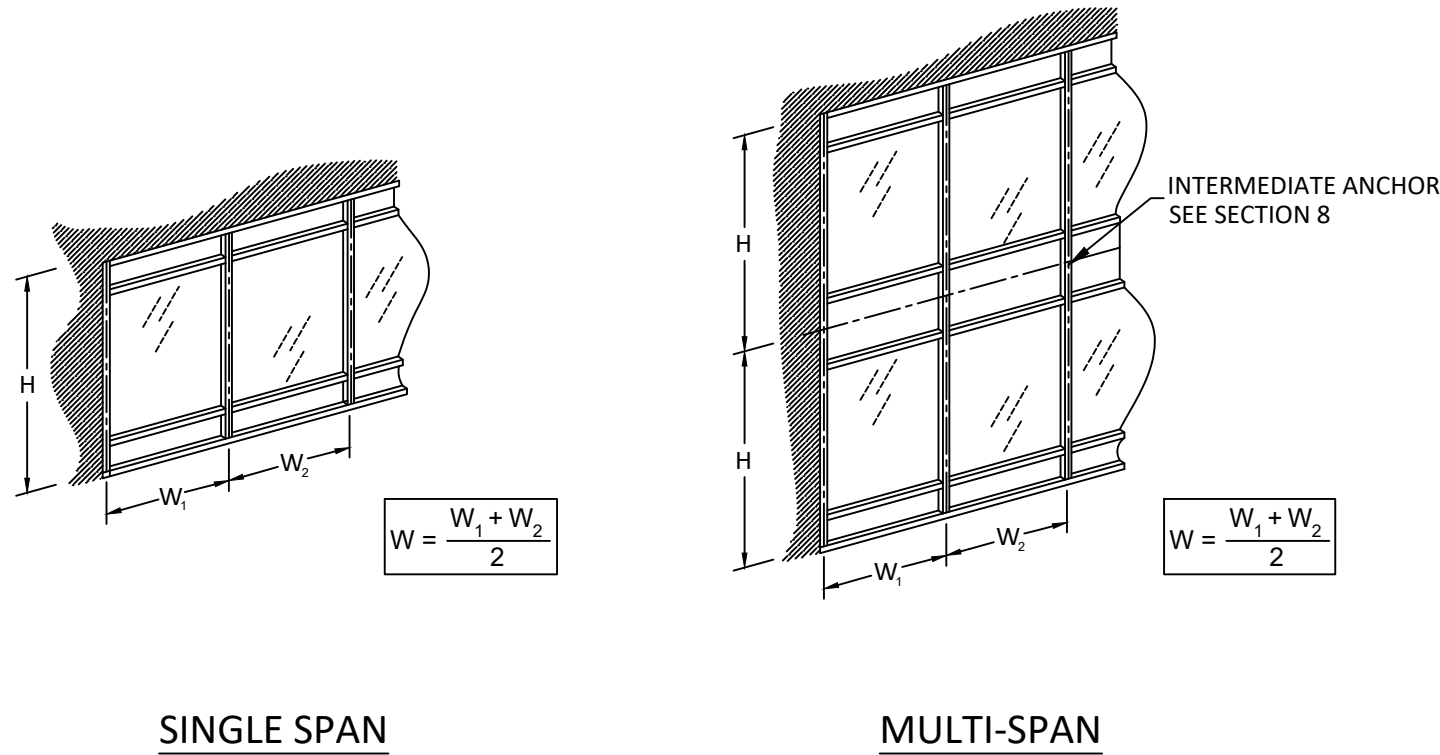
FL #: FL47838
DATE: 08.29.25
DWG. BY: DB
CHK. BY: HFN
SCALE: NTS
DWG. #: REY008
SHEET: 6.0
[SHEET 9 of 17]

VERTICAL MULLION CAPACITY TABLE

- NOTES:
- 1. DESIGN PRESSURES ARE LIMITED BY THE MULLION FIBERSTRESS AND DEFLECTION CAPACITY PER FBC CURRENT SPECIFICATIONS FOR WIND ZONE 3.
 - 2. SELECT DESIGN PRESSURE AND PANEL WIDTH (W) AND OBTAIN THE MAXIMUM ALLOWABLE DESIGN PRESSURE FOR MULLION.
 - 3. WHEN PANEL WIDTHS ARE NOT EQUAL, USE THE AVERAGE WIDTH ON THE TABLE.

VERTICAL MEMBER NOTES:

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



MULLION LOAD CAPACITY						
TRIB. WIDTH - W (IN.)	SPAN - H (IN.)	DESIGN PRESSURE (+/- PSF)				
		M1	M2	M3 & M8	M4	M5-M7 & M9-M14
30	90	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0
42		60.0	60.0	60.0	60.0	60.0
48		60.0	60.0	60.0	60.0	60.0
54		60.0	60.0	60.0	60.0	60.0
30	96	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0
42		60.0	60.0	60.0	60.0	60.0
48		60.0	60.0	60.0	60.0	60.0
30	102	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0
42		60.0	60.0	60.0	60.0	60.0
48		60.0	60.0	60.0	60.0	60.0
30	108	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0
42		58.5	60.0	60.0	60.0	60.0
30	114	60.0	60.0	60.0	60.0	60.0
36		58.0	60.0	60.0	60.0	60.0
42		49.7	60.0	60.0	60.0	60.0
30	120	59.7	60.0	60.0	60.0	60.0
36		49.7	60.0	60.0	60.0	60.0
42		42.6	60.0	60.0	60.0	60.0
30	126	51.5	60.0	60.0	60.0	60.0
36		42.9	60.0	60.0	60.0	60.0
30	132	44.8	60.0	60.0	60.0	60.0
36		37.4	55.1	60.0	60.0	60.0
30	138	39.2	57.8	60.0	60.0	60.0
36		32.7	48.2	58.2	60.0	60.0
30	144	34.5	50.9	60.0	60.0	60.0
30	150	30.5	45.0	54.4	60.0	60.0
30	156	27.2	40.0	48.4	60.0	60.0
30	162	24.2	35.7	43.2	60.0	60.0



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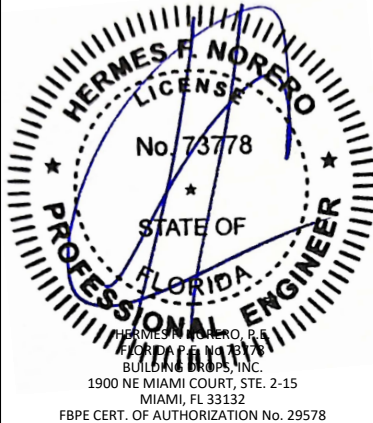
TITLE:
CONCEPTWALL 50 STD
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
VERTICAL MULLION
CAPACITY TABLE

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

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FL #:
FL47838

DATE: 08.29.25

DWG. BY: DB
CHK. BY: HFN

SCALE: NTS

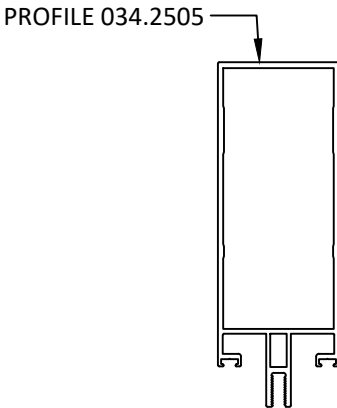
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SHEET:

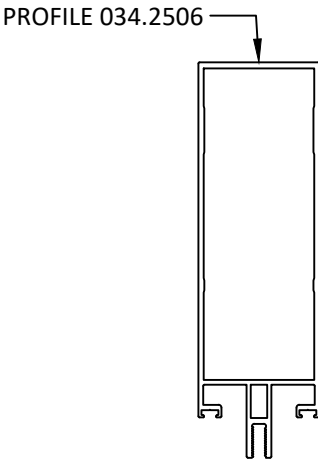
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[SHEET 10 of 17]

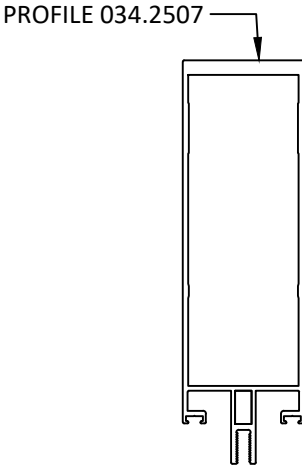
VERTICAL MULLION OPTIONS



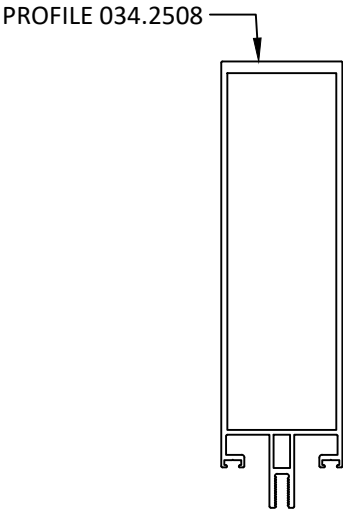
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M1



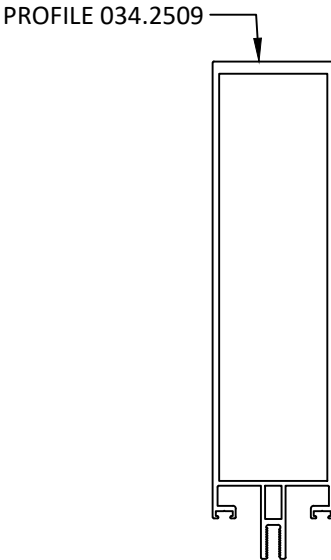
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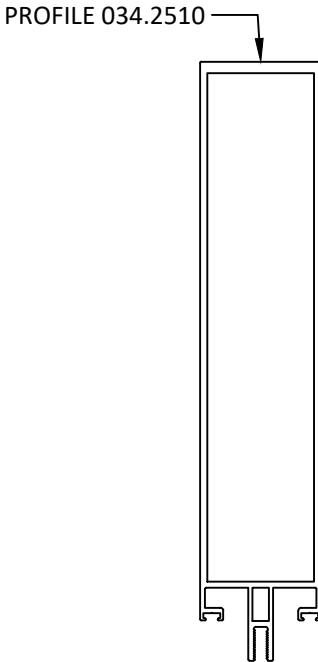
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M3



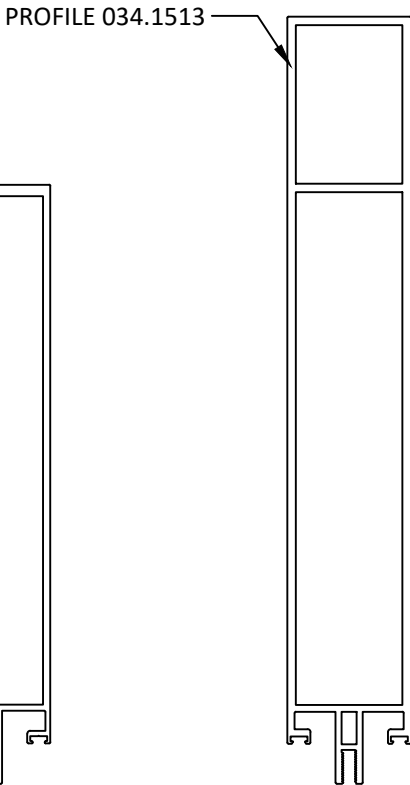
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M4



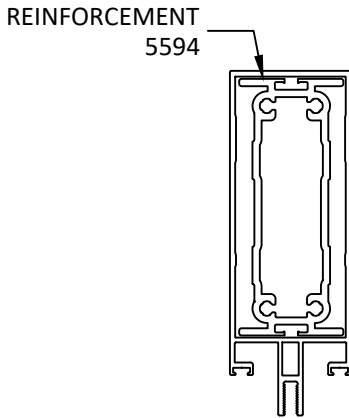
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M5



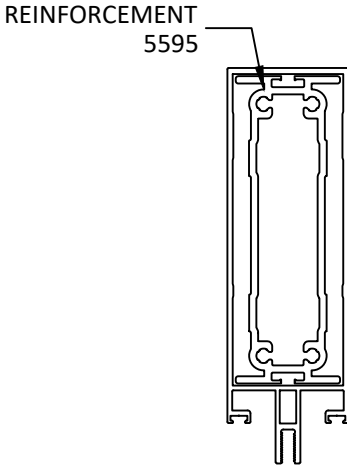
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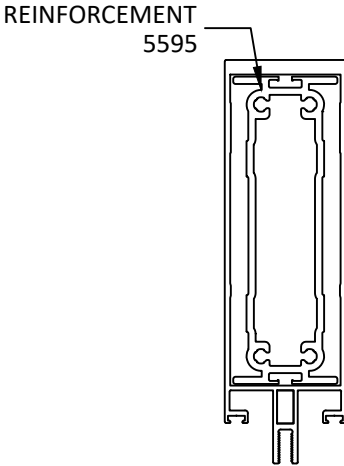
034.1513
M7



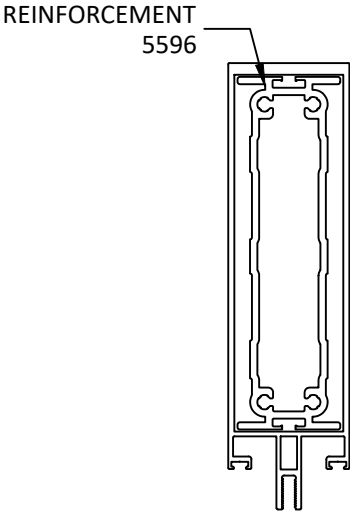
034.2505 + 5594
M8



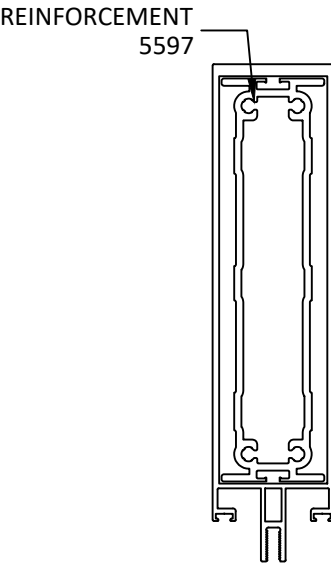
034.2506 + 5595
M9



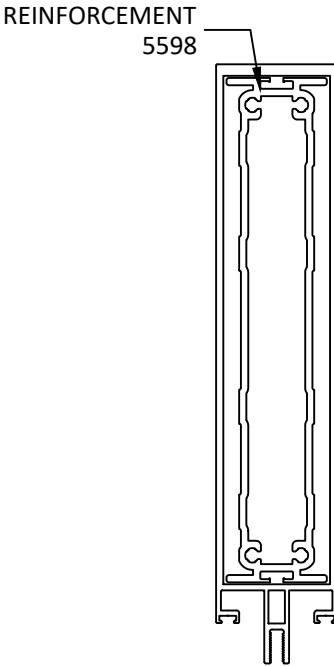
034.2507 + 5595
M10



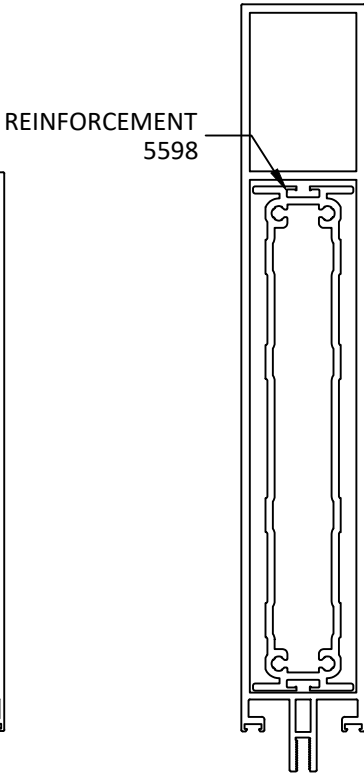
034.2508 + 5596
M11



034.2509 + 5597
M12



034.2510 + 5598
M13



034.1513 + 5598
M14



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

CONCEPTWALL 50 STD
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)

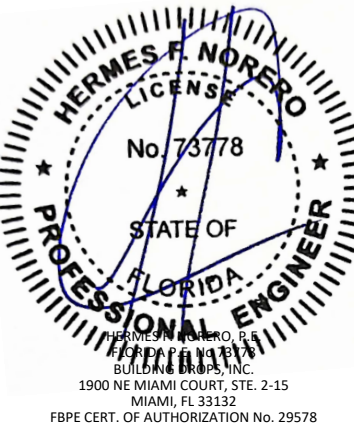
VERTICAL MULLIONS

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

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FL #:	FL47838
DATE:	08.29.25
DWG. BY:	DB
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	REY008
SHEET:	6.2

[SHEET 11 of 17]

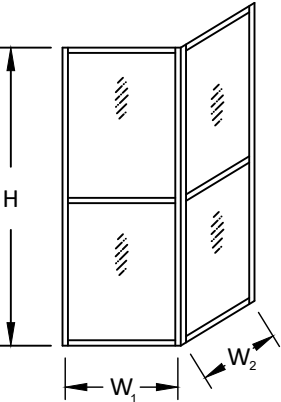
CORNER MULLION CAPACITY TABLE

NOTES:

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

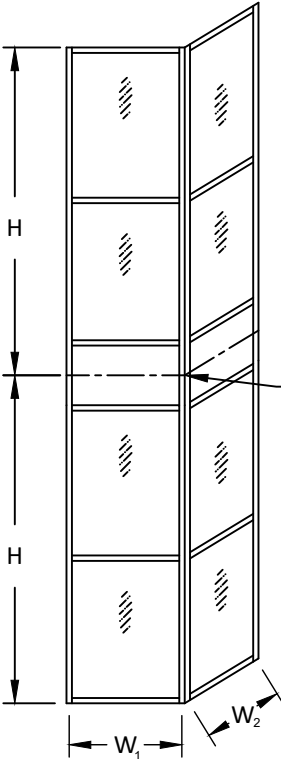
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- 2. TABULATED DESIGN PRESSURE VALUES ARE BASED ON LIMITATIONS OF DEFLECTION, FIBERSTRESS, & END REACTION PER SUPPORTED SPAN ('H') AND MULLION SPACING/TRIBUTARY WIDTH ('W').
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W = (W1 + W2) / 2

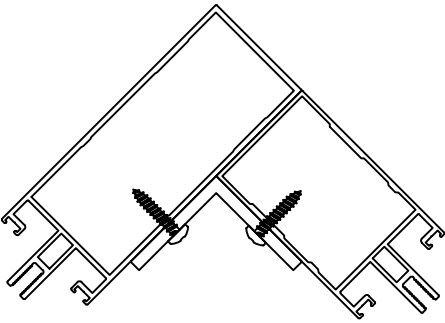
SINGLE SPAN



INTERMEDIATE ANCHOR
SEE SECTION 8

W = (W1 + W2) / 2

MULTI-SPAN



90 DEGREE OUTSIDE CORNER MULLION
M15

MULLION LOAD CAPACITY		
TRIB. WIDTH - W (IN.)	SPAN - H (IN.)	DESIGN PRESSURE (+/- PSF)
		M15
30	90	60.0
36		60.0
42		60.0
48		60.0
54		60.0
30	96	60.0
36		60.0
42		60.0
48		60.0
54		60.0
30	102	60.0
36		60.0
42		60.0
48		60.0
54		53.2
30	108	60.0
36		60.0
42		52.8
48		52.8
54		52.8
30	114	60.0
36		52.4
42		44.9
48		44.9
54		44.9
30	120	53.9
36		44.9
42		38.5
48		38.5
54		38.5
30	126	46.6
36		38.8
42		33.7
48		33.7
54		33.7
30	132	40.5
36		33.7
42		29.5
48		29.5
54		29.5
30	138	35.4
36		29.5
42		24.5
48		24.5
54		24.5
30	144	31.2
36		27.6
42		24.5
48		24.5
54		24.5
30	150	27.6
36		24.5
42		21.9
48		21.9
54		21.9
30	156	24.5
36		21.9
42		18.8
48		18.8
54		18.8
30	162	21.9
36		18.8
42		15.7
48		15.7
54		15.7

R

Reynaers
Aluminium

2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE:

CONCEPTWALL 50 STD
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
CORNER MULLION
CAPACITY TABLE

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

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL47838

DATE:

08.29.25

DWG. BY:

DB

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

REY008

SHEET:

6.3

[SHEET 12 of 17]

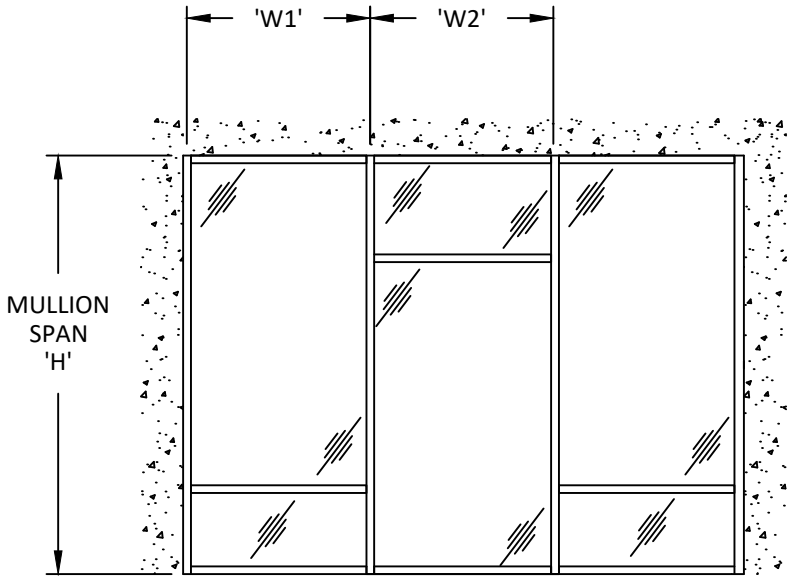
ANCHOR TYPES

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	5/16"	DEWALT ULTRACON	WOOD (MIN. SG. = 0.55)	1-3/4"	1-1/2"

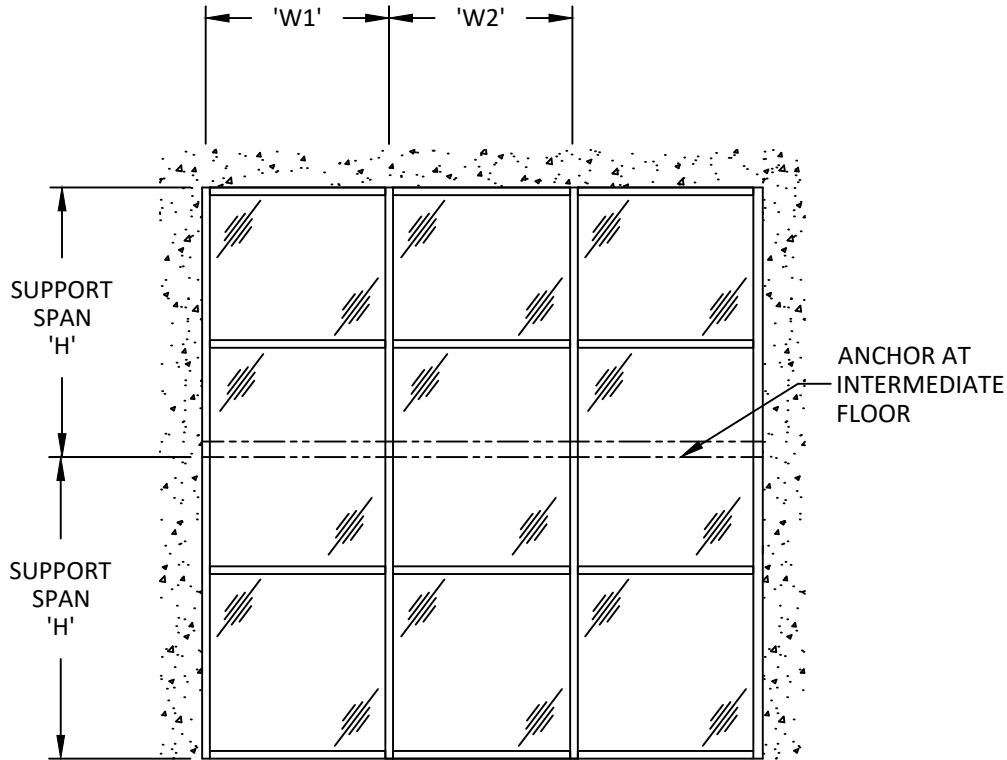
MULLION SPACING OR TRIB. WIDTH, 'W', FOR T-ANCHORS	$W = \frac{W1 + W2}{2}$
MULLION SPACING OR TRIB. WIDTH, 'W', FOR F-ANCHORS AT JAMBS	$W = W1$

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 (H) 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.



SINGLE SPAN ANCHOR LAYOUT



MULTI-SPAN ANCHOR LAYOUT



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE: CONCEPTWALL 50 STD CURTAIN WALL SYSTEM (WZ3) (IMPACT)

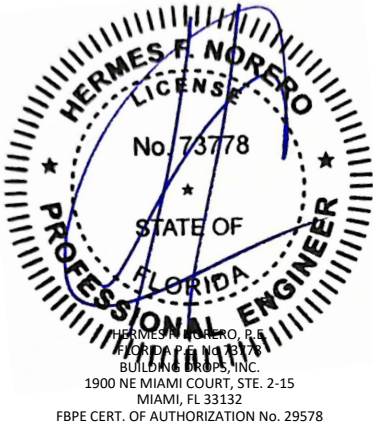
ANCHOR TYPES

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

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FL #: FL47838

DATE: 08.29.25

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CHK. BY: HFN

SCALE: NTS

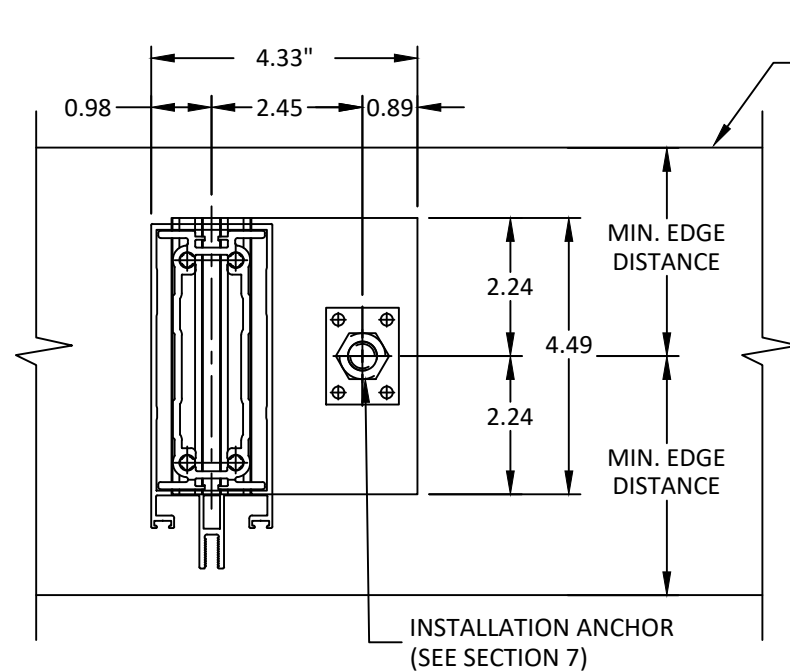
DWG. #: REY008

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[SHEET 13 of 17]

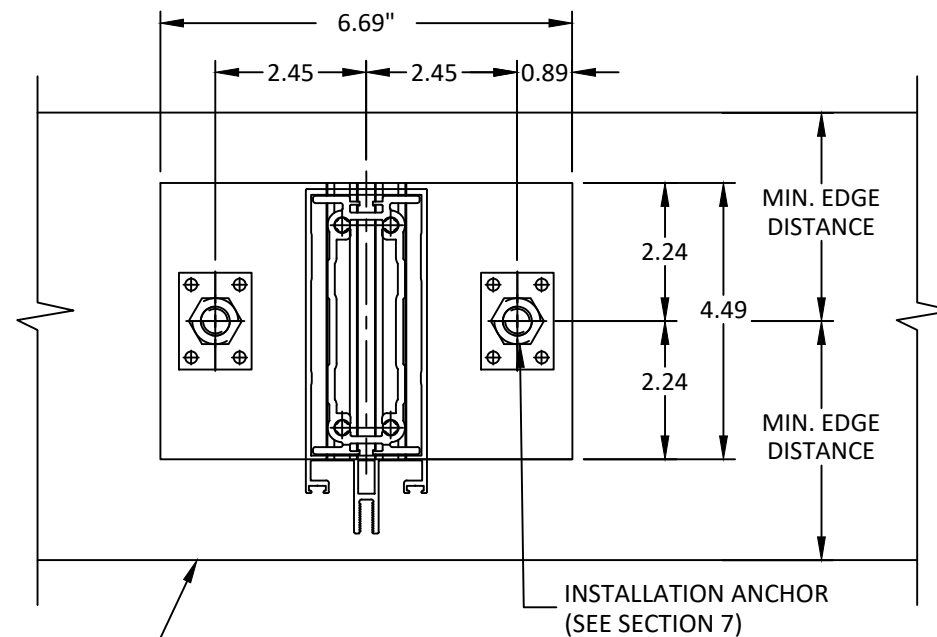
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1 HORIZONTAL SECTION
7.1 F-CLIP AT JAMB

EDGE OF OPENING SUBSTRATE
BY OTHERS.
SEE INSTALLATION ANCHOR
REQUIREMENTS

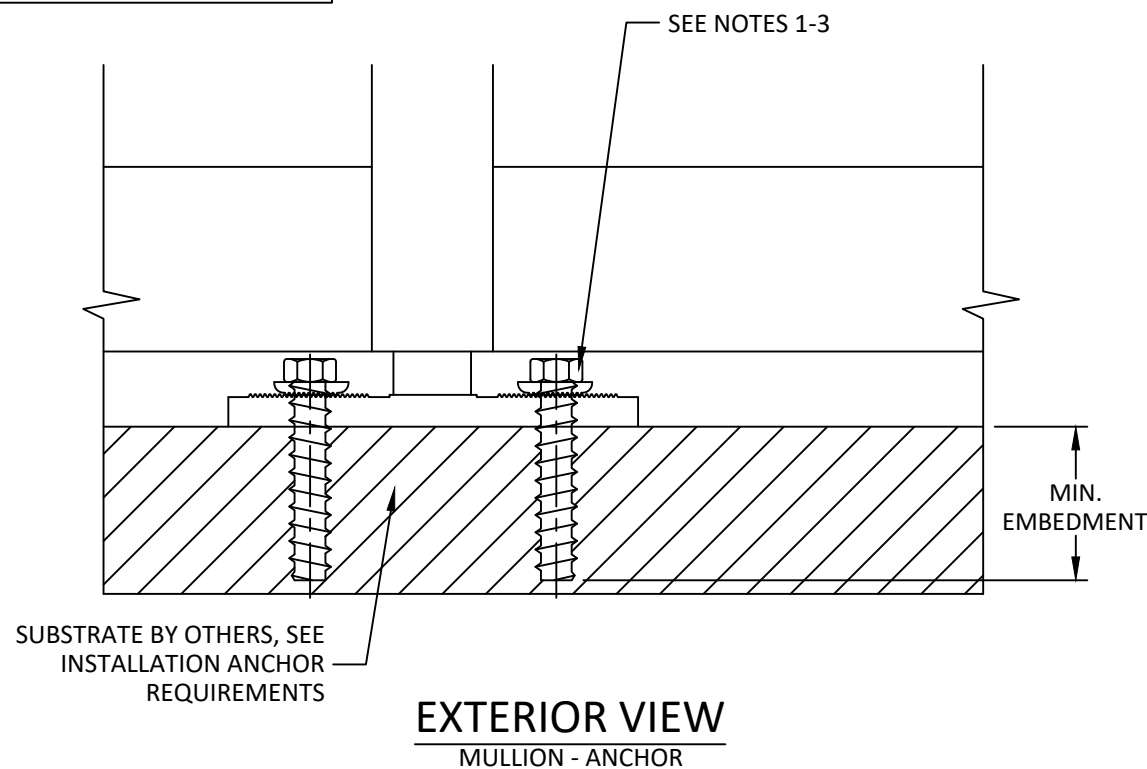
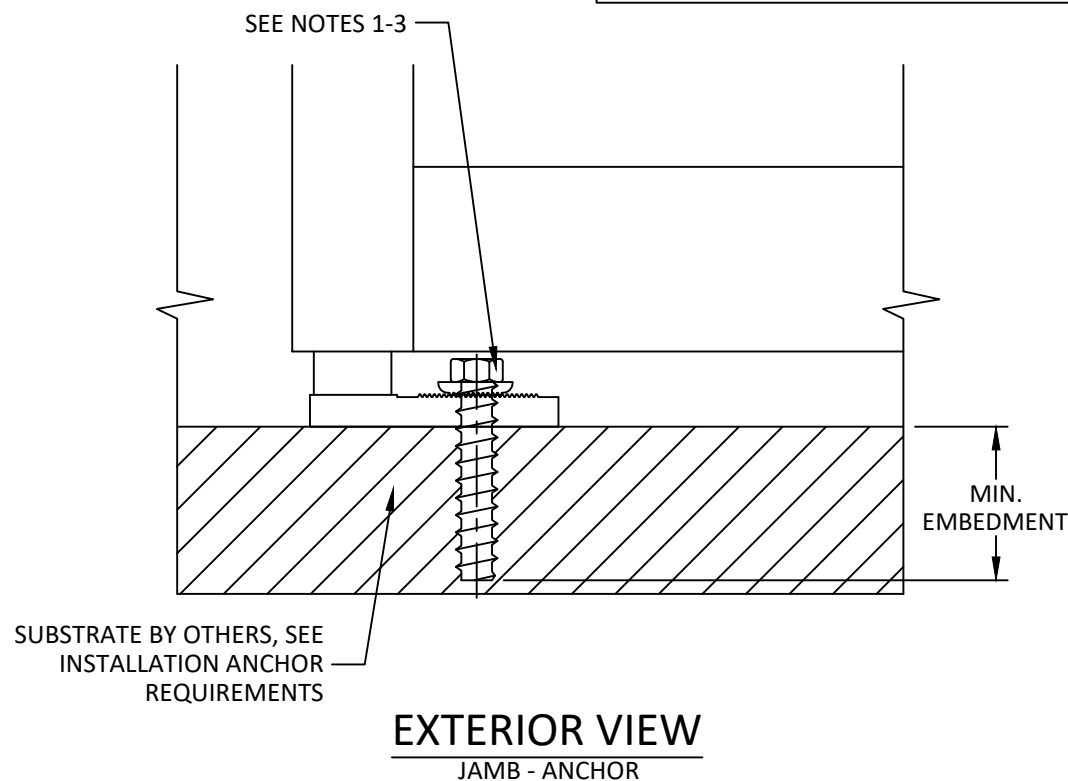
NOTE: CORNER MULLION USES
SIMILAR INSTALLATION CLIPS.



2 HORIZONTAL SECTION
7.1 T-CLIP AT MULLION

EDGE OF OPENING SUBSTRATE
BY OTHERS.
SEE INSTALLATION ANCHOR
REQUIREMENTS

- 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, EMBEDMENTS, & PROPERTIES OF OPENING SUBSTRATE, SECTION 7.



2115 REXFORD ROAD, SUITE 215
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EMAIL: INFO.N-A@REYNAERS.COM

TITLE:
CONCEPTWALL 50 STD
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)

ANCHOR DETAILS

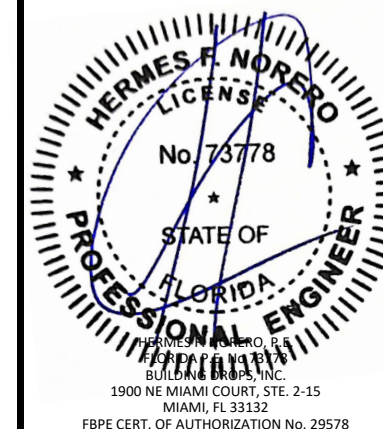
PREPARED BY:
BUILDING DROPS, INC.

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

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HFN

SCALE: NTS

DWG. #: REY008

SHEET:

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[SHEET 14 of 17]

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ANCHOR CAPACITY TABLES - SINGLE SPAN & MULTI-SPAN

MAX. ANCHOR CAPACITY FOR MULLION - DESIGN PRESSURES - SINGLE SPAN (+/- PSF)										
TRIBUTARY WIDTH - W (IN.)	SPAN - H (IN.)	A	B	C	D	E	F	G	H	I
30	90	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
42		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
48		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.3
54		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	52.7
30	96	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
42		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
48		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.6
30	102	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
42		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.8
48		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	52.4
30	108	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
42		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.5
30	114	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
42		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	53.5
30	120	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.3
42		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	50.9
30	126	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.5
30	132	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	53.9
30	138	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	51.6
30	144	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.3
30	150	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	57.0
30	156	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.8
30	162	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	52.7

MAX. ANCHOR CAPACITY FOR MULLION - DESIGN PRESSURES - MULTI-SPAN (+/- PSF)										
TRIBUTARY WIDTH - W (IN.)	SPAN - H (IN.)	A	B	C	D	E	F	G	H	I
30	90	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	52.7
42		60.0	60.0	60.0	60.0	60.0	60.0	54.0	60.0	45.2
48		60.0	60.0	60.0	60.0	53.6	60.0	47.2	60.0	39.6
54		60.0	60.0	60.0	60.0	47.6	58.4	42.0	56.1	35.2
30	96	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.3
36		60.0	60.0	60.0	60.0	60.0	60.0	59.0	60.0	49.4
42		60.0	60.0	60.0	60.0	57.4	60.0	50.6	60.0	42.4
48		60.0	60.0	60.0	60.0	50.3	60.0	44.3	59.2	37.1
30	102	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.8
36		60.0	60.0	60.0	60.0	60.0	60.0	55.6	60.0	46.5
42		60.0	60.0	60.0	60.0	54.1	60.0	47.6	60.0	39.9
48		60.0	60.0	60.0	60.0	47.3	57.9	41.7	55.7	34.9
30	108	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	52.7
36		60.0	60.0	60.0	60.0	59.6	60.0	52.5	60.0	44.0
42		60.0	60.0	60.0	60.0	51.0	60.0	45.0	60.0	37.7
30	114	60.0	60.0	60.0	60.0	60.0	60.0	59.7	60.0	50.0
36		60.0	60.0	60.0	60.0	56.4	60.0	49.7	60.0	41.6
42		60.0	60.0	60.0	60.0	48.4	59.2	42.6	56.9	35.7
30	120	60.0	60.0	60.0	60.0	60.0	60.0	56.7	60.0	47.5
36		60.0	60.0	60.0	60.0	53.6	60.0	47.2	60.0	39.6
42		60.0	60.0	60.0	60.0	45.9	56.3	40.5	54.1	33.9
30	126	60.0	60.0	60.0	60.0	60.0	60.0	54.0	60.0	45.2
36		60.0	60.0	60.0	60.0	51.0	60.0	45.0	60.0	37.7
30	132	60.0	60.0	60.0	60.0	58.5	60.0	51.5	60.0	43.2
36		60.0	60.0	60.0	60.0	48.7	59.7	42.9	57.4	36.0
30	138	60.0	60.0	60.0	60.0	55.9	60.0	49.3	60.0	41.3
36		60.0	60.0	60.0	60.0	46.6	57.1	41.1	54.9	34.4
30	144	60.0	60.0	60.0	60.0	53.6	60.0	47.2	60.0	39.6
30	150	60.0	60.0	60.0	60.0	51.5	60.0	45.3	60.0	38.0
30	156	60.0	60.0	60.0	60.0	49.5	60.0	43.6	58.3	36.5
30	162	60.0	60.0	60.0	60.0	47.6	58.4	42.0	56.1	35.2



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE:
CONCEPTWALL 50 STD
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)

ANCHOR CAPACITY TABLES

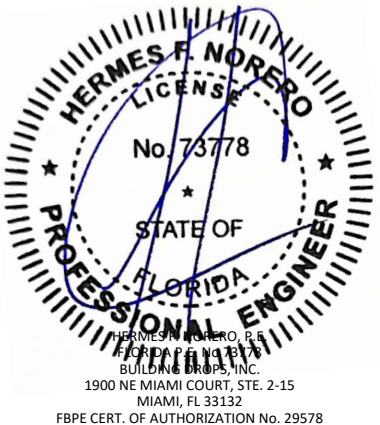
PREPARED BY:
BUILDING DROPS, INC.

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

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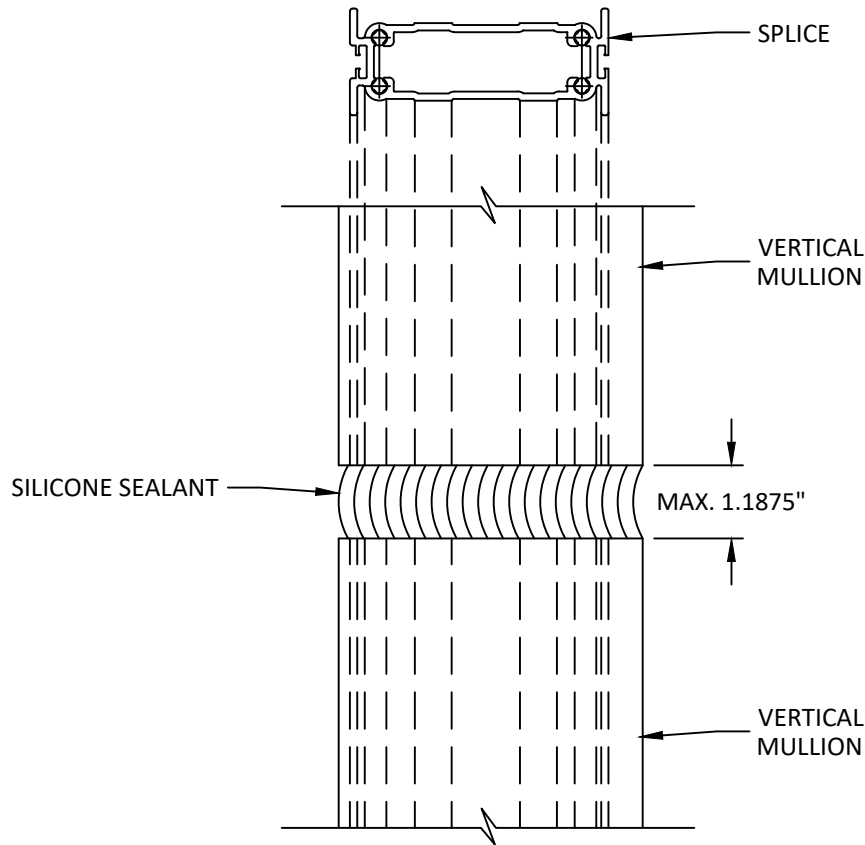
CHK. BY:
HFN

SCALE:
NTS

DWG. #:
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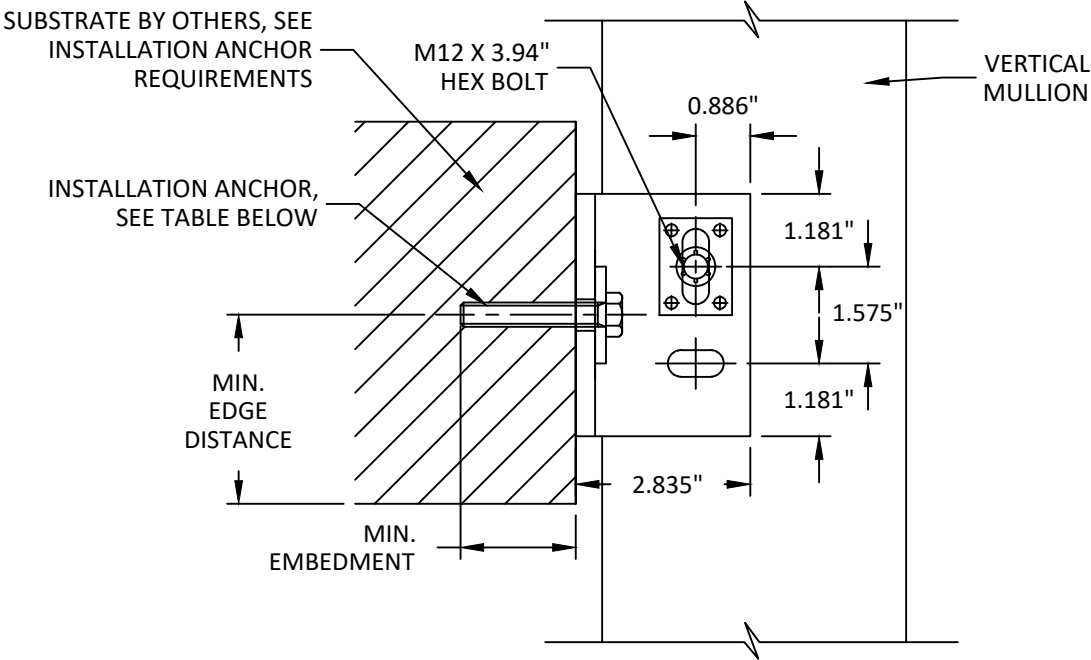
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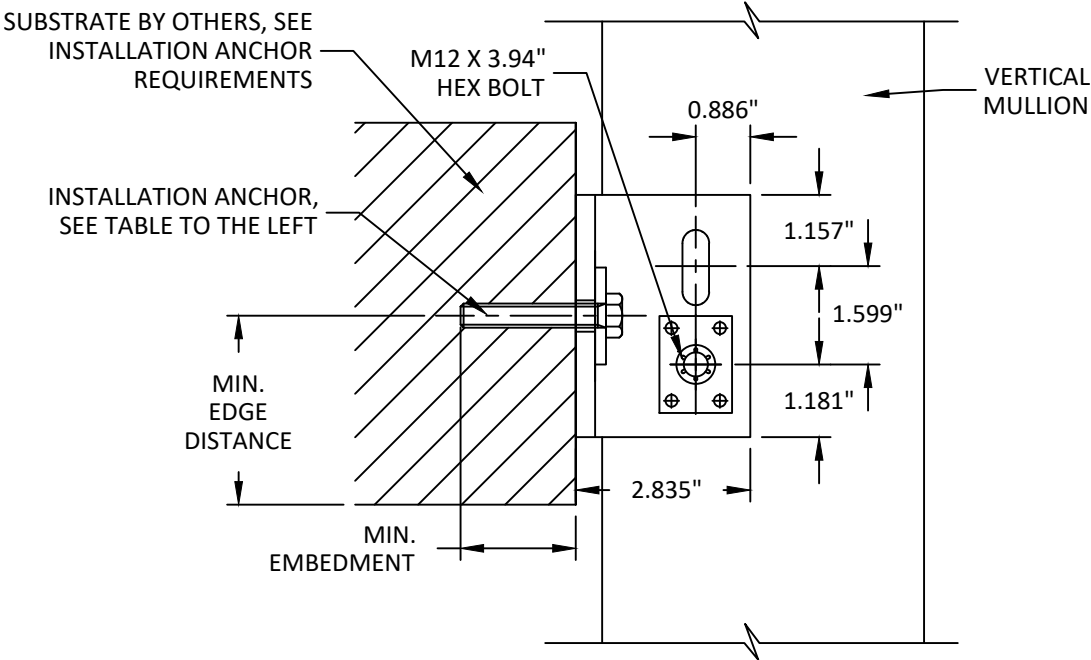


VERTICAL SECTION
MULLION SPLICE

TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MIN. EDGE DISTANCE	MIN. EMBEDMENT
J	5/8"	DEWALT SCREW-BOLT+	MIN. 4000 PSI CONCRETE	1-3/4"	3-1/4"
K	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



VERTICAL SECTION
WINDLOAD



VERTICAL SECTION
DEADLOAD



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TITLE: CONCEPTWALL 50 STD CURTAIN WALL SYSTEM (WZ3) (IMPACT)

INTERMEDIATE ANCHOR DETAILS

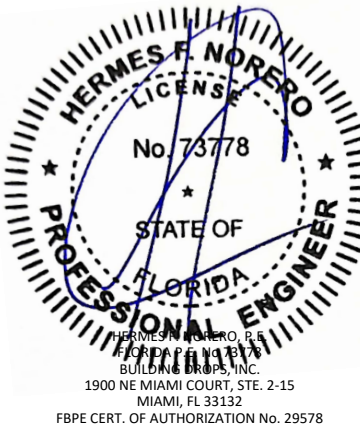
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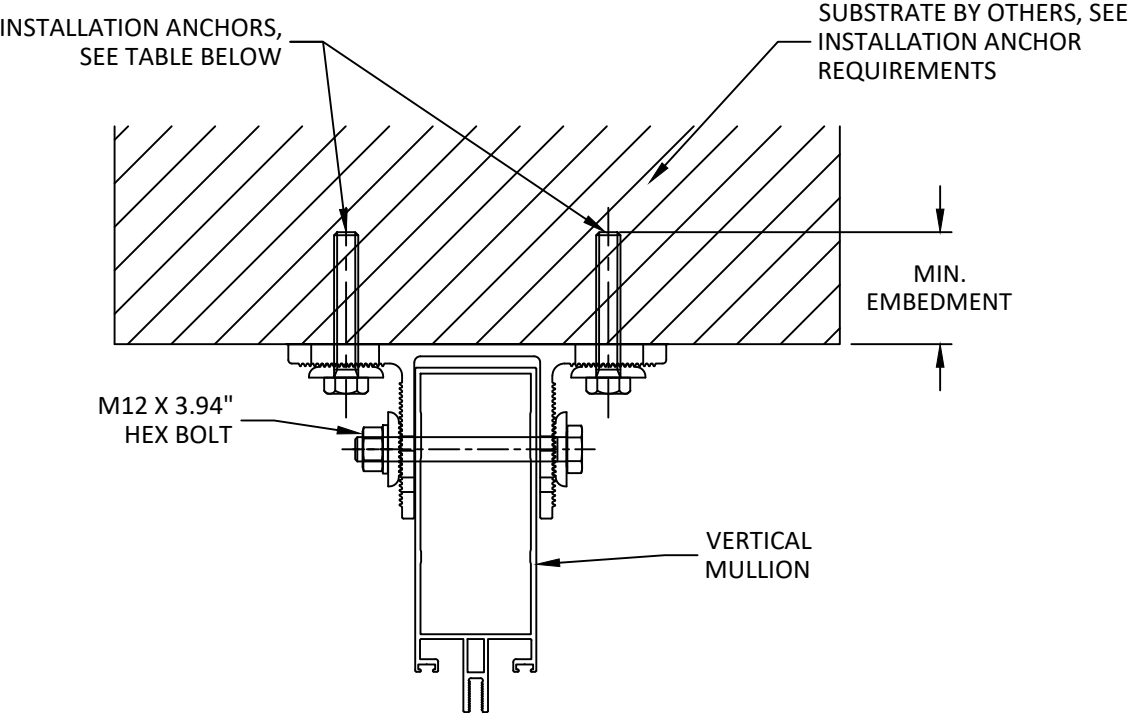


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ANCHOR CAPACITY TABLE - INTERMEDIATE SUPPORT



1
8.1 HORIZONTAL SECTION
INTERMEDIATE ANCHOR
AT JAMB/MULLION

NOTE: CORNER MULLION USES
SIMILAR INSTALLATION CLIPS.

TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MIN. EDGE DISTANCE	MIN. EMBEDMENT
J	5/8"	DEWALT SCREW-BOLT+	MIN. 4000 PSI CONCRETE	1-3/4"	3-1/4"
K	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

MAX. ANCHOR CAPACITY AT INTERMEDIATE SUPPORT - DESIGN PRESSURES (+/- PSF)			
TRIBUTARY WIDTH - W (IN.)	SPAN - H (IN.)	J	K
30	90	60.0	60.0
36		60.0	60.0
42		60.0	60.0
48		60.0	60.0
54		60.0	60.0
30	96	60.0	60.0
36		60.0	60.0
42		60.0	60.0
48		60.0	60.0
30	102	60.0	60.0
36		60.0	60.0
42		60.0	60.0
48		60.0	60.0
30	108	60.0	60.0
36		60.0	60.0
42		60.0	60.0
30	114	60.0	60.0
36		60.0	60.0
42		60.0	60.0
30	120	60.0	60.0
36		60.0	60.0
42		60.0	60.0
30	126	60.0	60.0
36		60.0	60.0
42		60.0	60.0
30	132	60.0	60.0
36		60.0	60.0
42		60.0	60.0
30	138	60.0	60.0
36		60.0	60.0
30	144	60.0	60.0
30	150	60.0	60.0
30	156	60.0	60.0
30	162	60.0	60.0

Reynaeers Aluminium

2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE:
CONCEPTWALL 50 STD
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
INTERMEDIATE ANCHOR
CAPACITY TABLE

PREPARED BY:
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BUILDING DROPS

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL47838

DATE: 08.29.25

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HFN

SCALE: NTS

DWG. #: REY008

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[SHEET 17 of 17]