

COUNTRYSIDE GLASS & MIRROR

ARMOR WALL TWIN SPAN CURTAIN WALL SYSTEM

CS3000 (WZ3) (IMPACT)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 9, UNLESS OTHERWISE SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- 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.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR MASONRY OR CONCRETE OPENINGS, 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- 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.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 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.

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 SHEET 5 & 6 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3

CHECK MULLION CAPACITY FOR A GIVEN SPACING, HEIGHT, TWIN SPAN ON SHEETS 7 & 8.
- STEP 4

USING HEAD/SILL ANCHOR DETAILS, SELECT ANCHOR OPTION FROM TABLES ON SHEETS 9 & 12 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 SHEETS 13 THROUGH 16.
- 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, EXCLUDING REQUIREMENTS FOR HVHZ.
- 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.
- 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.
- THIS PRODUCT DOES NOT REQUIRE IMPACT PROTECTIVE DEVICES IN WIND ZONES 3 OR LESS.
- THIS PRODUCT DOES REQUIRES IMPACT PROTECTIVE DEVICES IN WIND ZONE 4.
- 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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COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)

GENERAL NOTES, INSTALLATION
NOTES & INSTRUCTIONS

PREPARED BY:

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BUILDING DROPS

REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2022.12.20 15:50:21 -0500



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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL31183

DATE: **06.09.22**

DWG. BY:
LL

CHK. BY:
HFN

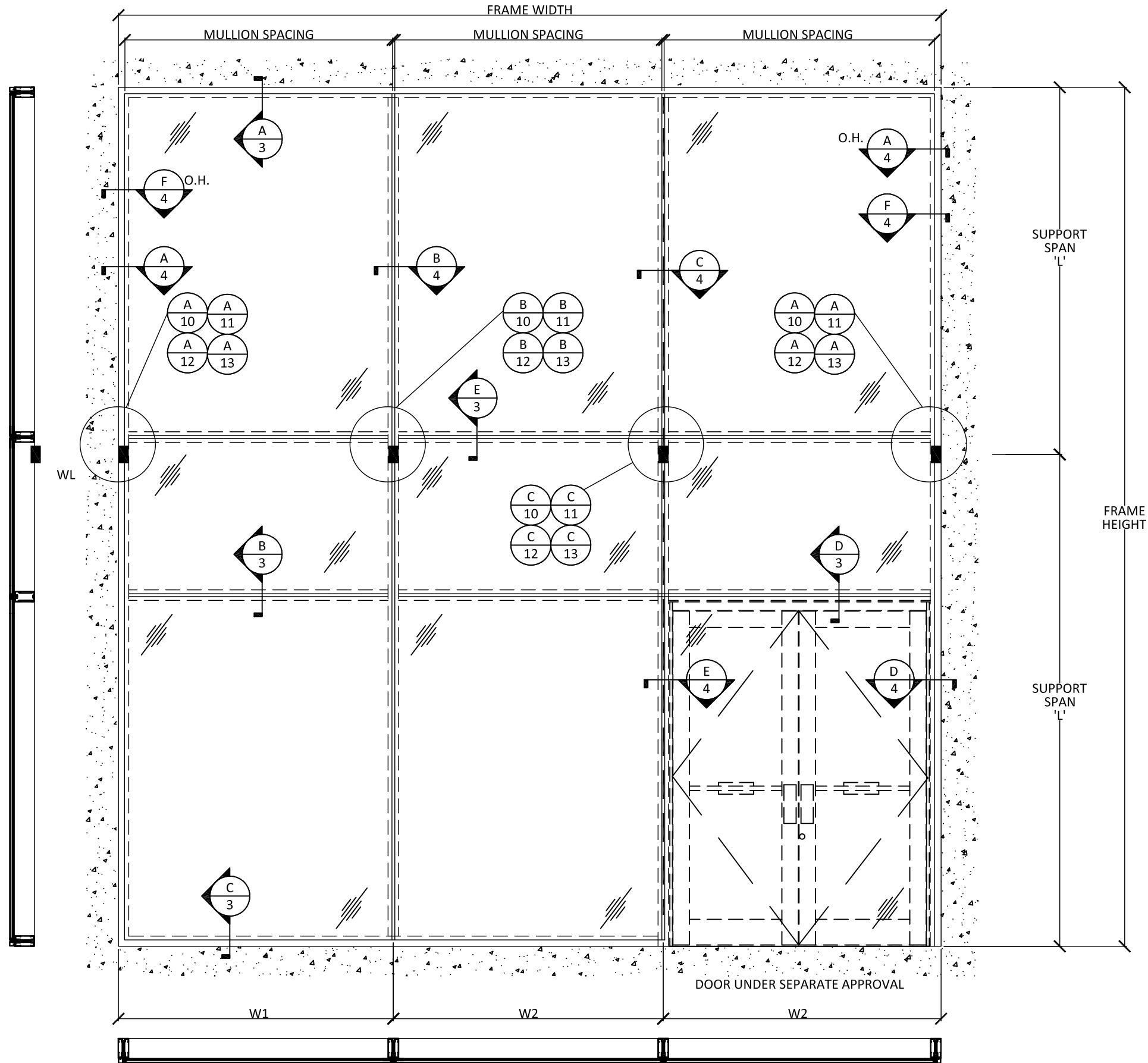
SCALE: **NTS**

DWG. #: **CGM010**

SHEET:

1

OF 16



AVERAGE MULLION SPACING

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

JAMB MULL (W) = W1

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

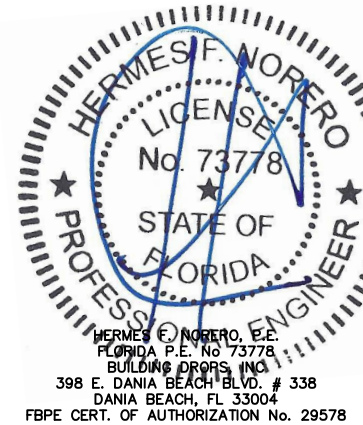
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TITLE: COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)
TWIN SPAN OPENING
ELEVATION

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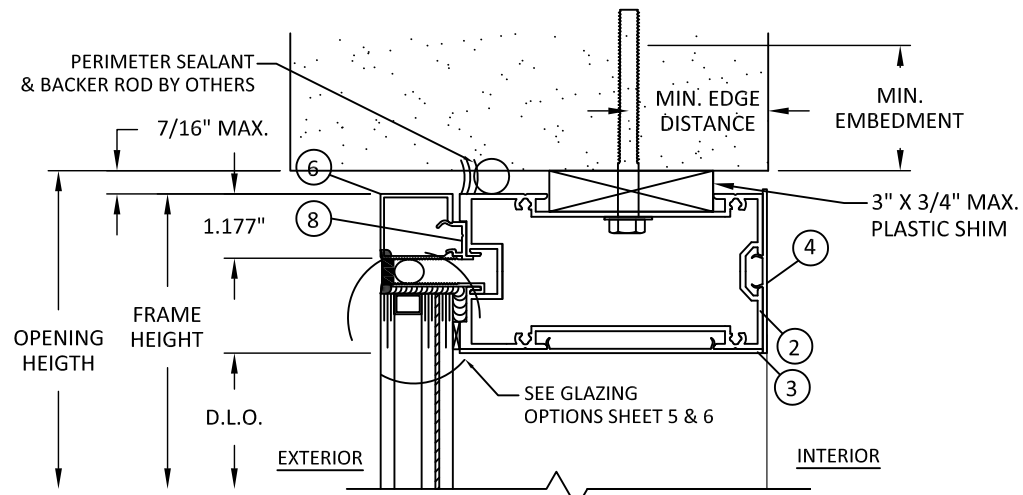
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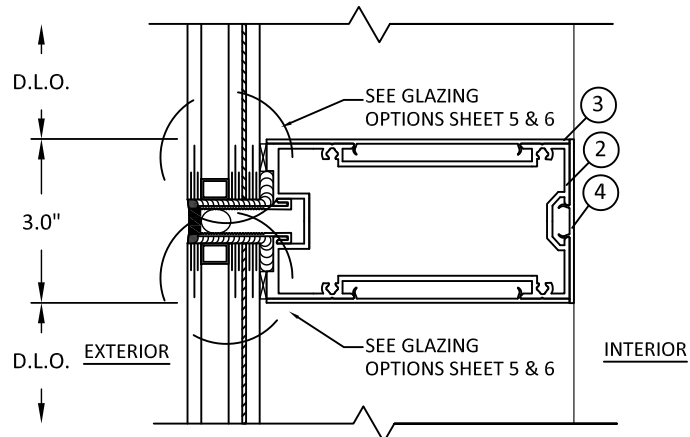
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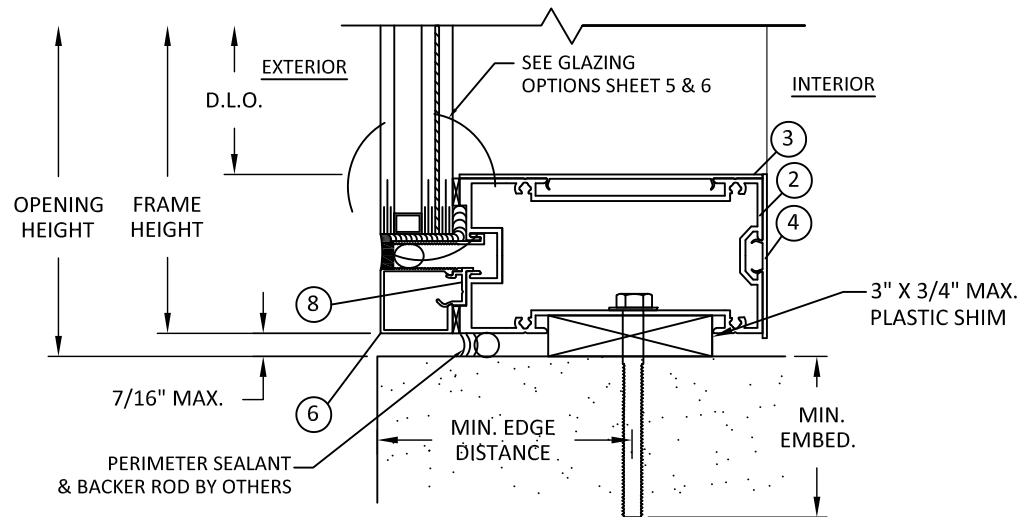
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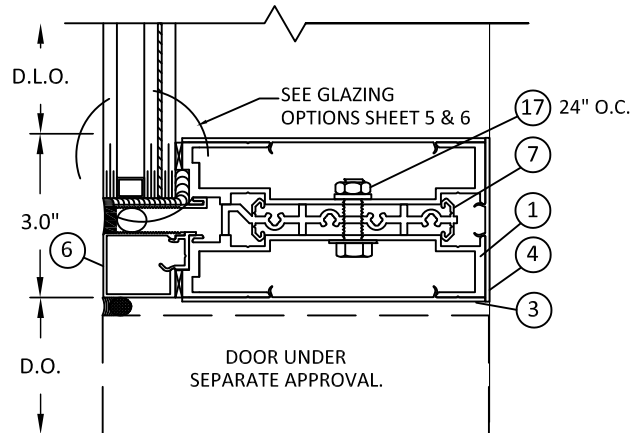
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3 VERTICAL SECTION
HEAD - INSULATING GLASS



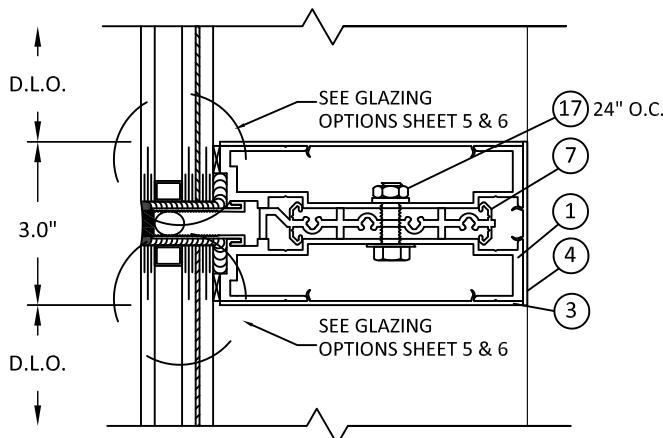
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3 VERTICAL SECTION
HORIZONTAL INTEGRATED MULLION - INSULATING GLASS



C
3 VERTICAL SECTION
SILL - INSULATING GLASS



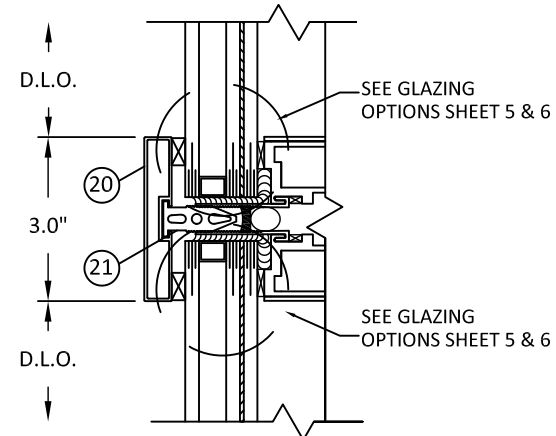
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3 VERTICAL SECTION
HORIZONTAL MULLION - DOOR HEAD CONNECTION - INSULATING GLASS



E
3 VERTICAL SECTION
HORIZONTAL PANEL TO PANEL MULLION - INSULATING GLASS

SEALANT NOTES:
1. JOINT AT HEAD, JAMB, AND SILL IS NON-STRUCTURAL AND SHALL BE SUFFICIENT TO ALLOW PROPER WEATHERPROOFING. LARGER GAP SPACE FOR SEALING JOINT MAY BE UTILIZED SUCH THAT EVIDENCE IS SUBMITTED IN ACCORDANCE WITH SEALANT PRODUCT MANUFACTURER'S GUIDELINES & RECOMMENDATION AND SHALL BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

NOTE:
SOLID SHIM UP TO 3/4" MAY BE USED BETWEEN ANCHOR & SUBSTRATE INCREASING THE CAULK JOINT TO 1" ALLOWABLE UNDER THIS CONDITION.



OPTIONAL APPLIED CAP

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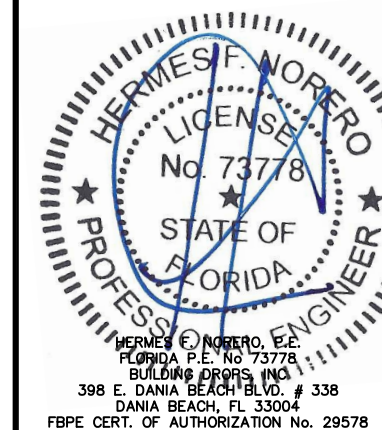
VERTICAL SECTIONS

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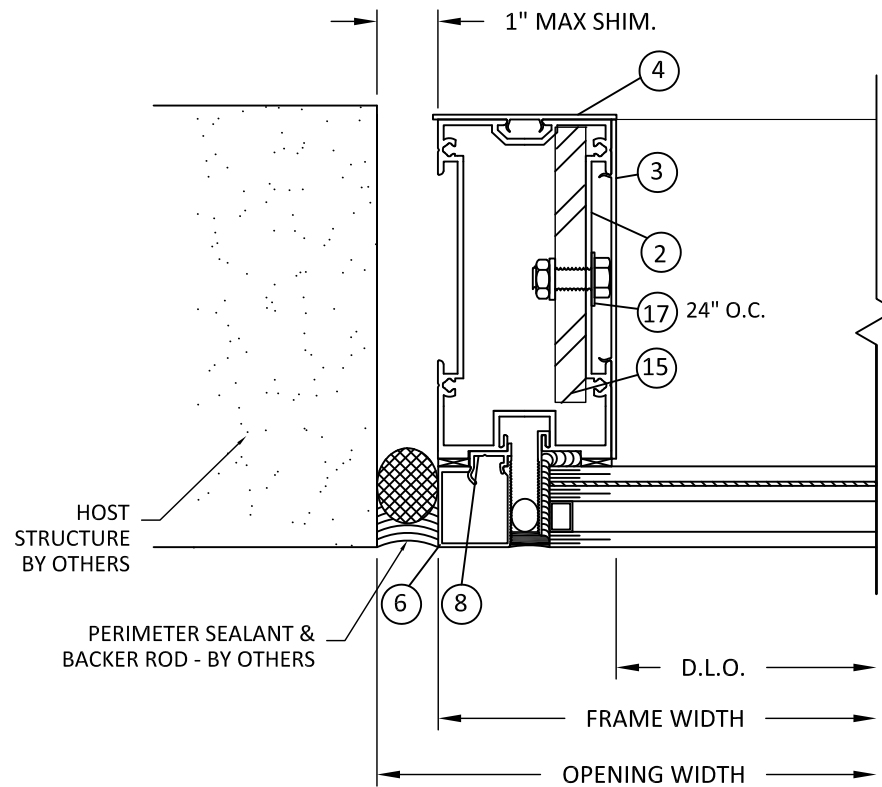


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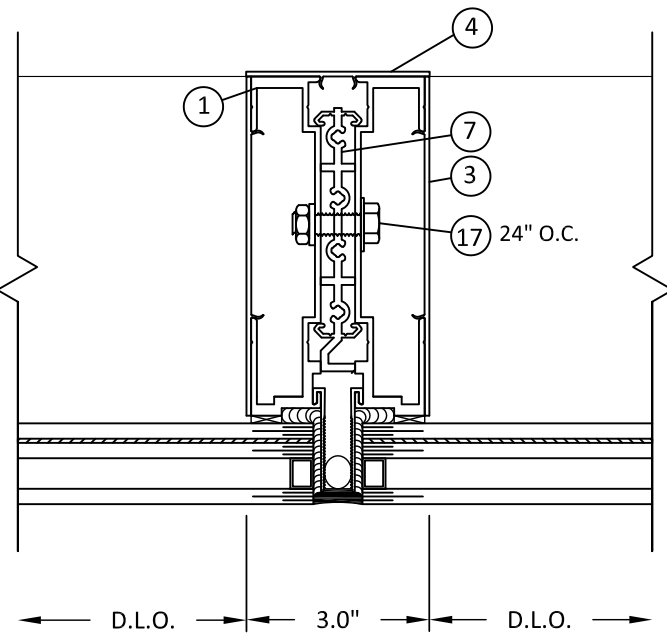
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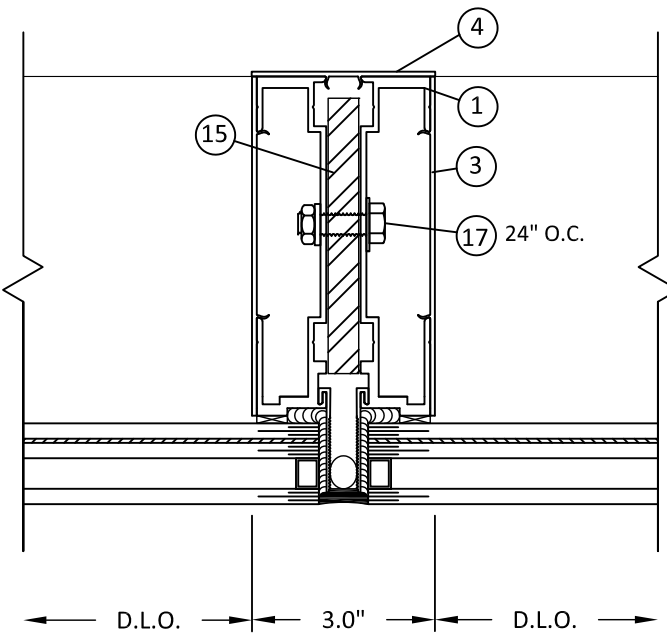
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CHK. BY:	HFN
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SHEET:	3



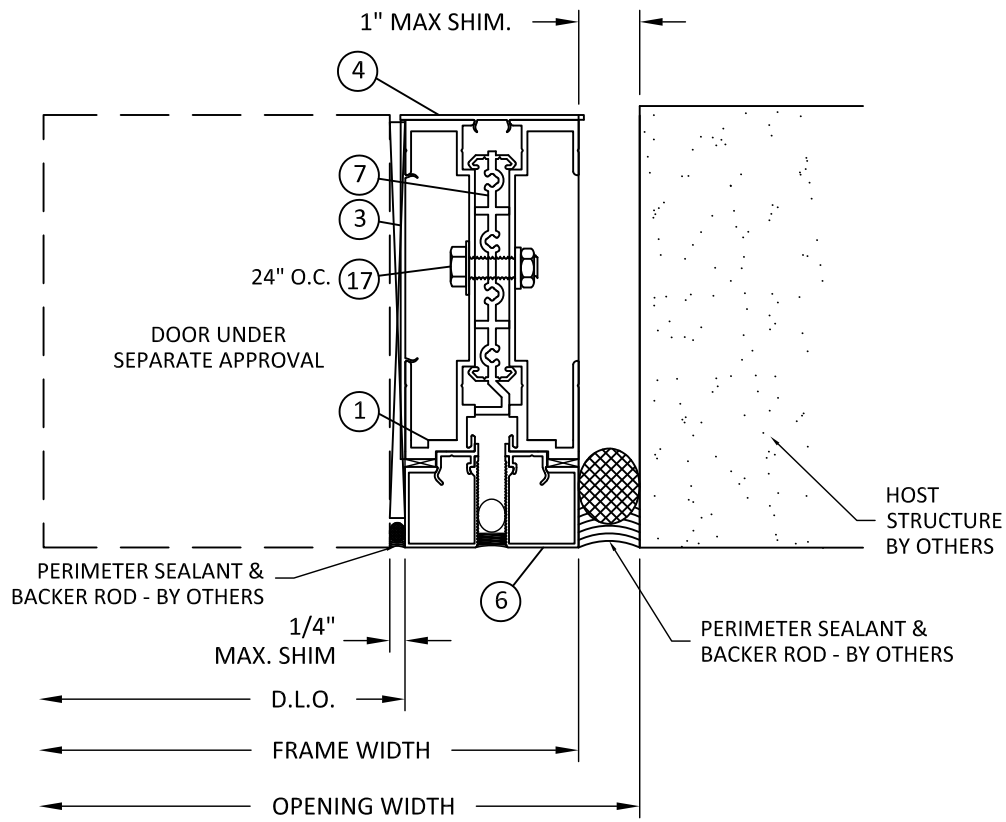
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4 **HORIZONTAL SECTION**
JAMB - INSULATING GLASS



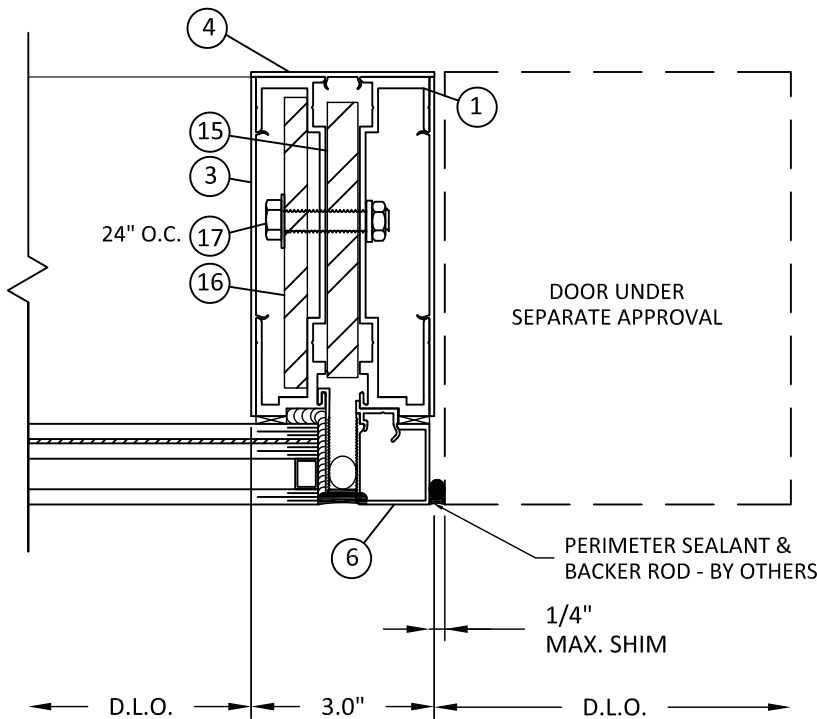
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4 **HORIZONTAL SECTION**
VERTICAL INTERMEDIATE - INSULATED GLASS



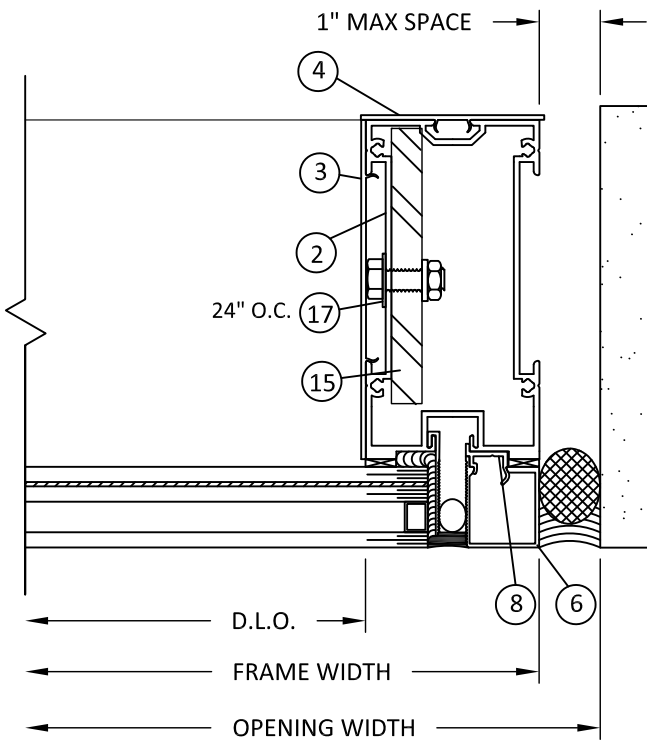
C
4 **HORIZONTAL SECTION**
INTEGRATED VERTICAL INTERMEDIATE - INSULATED GLASS



D
4 **HORIZONTAL SECTION**
JAMB - DOOR CONNECTION - INSULATING GLASS MULLION



E
4 **HORIZONTAL SECTION**
VERTICAL INTERMEDIATE - DOOR CONNECTION



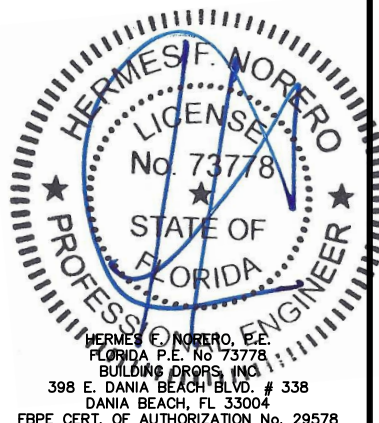
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4 **HORIZONTAL SECTION**
JAMB - INSULATING GLASS

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SCALE: **NTS**
DWG. #: **CGM010**
SHEET: **4**

GLASS CAPACITY CHARTS

- * NOTE:
- GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (3 SEC. GUSTS) AND CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
 - D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.

SMI GLAZING OPTION

1 5/16" O.A. INSULATED GLASS
CONSISTING OF:
1/4" TEMPERED
1/2" ALUMINUM SPACER
1/4" HEAT-STRENGTHENED
0.060" SGP INTERLAYER BY KURARAY
1/4" HEAT-STRENGTHENED

15/16"
MIN. TYP.
GLASS BITE

EXTERIOR

DOW CORNING 795
STRUCTURAL SILICONE
SEALANT (3/4" WIDTH,
3/8" DEPTH)

DOW CORNING 983
STRUCTURAL SILICONE
SEALANT (1/2" DEPTH)

GLASS TYPE 'A'

LMI GLAZING OPTION

1 5/16" O.A. INSULATED GLASS
CONSISTING OF:
1/4" TEMPERED
1/2" ALUMINUM SPACER
1/4" HEAT-STRENGTHENED
0.090" SGP INTERLAYER BY KURARAY
1/4" HEAT-STRENGTHENED

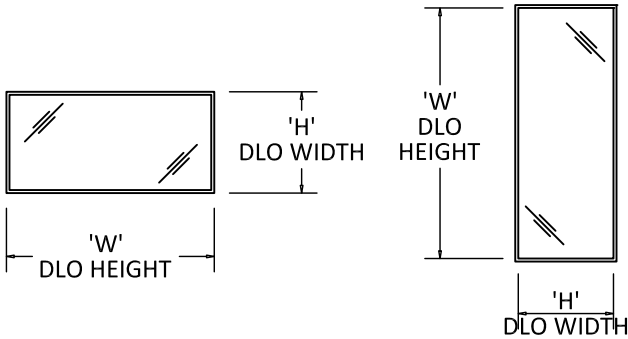
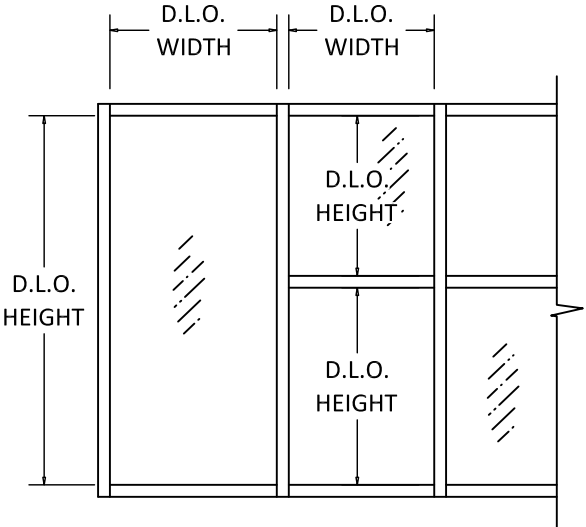
15/16"
MIN. TYP.
GLASS BITE

EXTERIOR

DOW CORNING 795
STRUCTURAL SILICONE
SEALANT (3/4" WIDTH,
3/8" DEPTH)

DOW CORNING 983
STRUCTURAL SILICONE
SEALANT (1/2" DEPTH)

GLASS TYPE 'B'



GLASS LOAD CAPACITY (PSF)		
DAYLIGHT OPENING DIMS. (in)		WET GLAZE 'A' & 'B'
DLO 'W'	DLO 'H'	EXT. (+) INT. (-)
36	36	80.0
42		80.0
48		80.0
54		80.0
60		80.0
66		80.0
72		80.0
78		80.0
84	42	80.0
90		80.0
36		80.0
42		80.0
48		80.0
54		80.0
60		80.0
66		80.0
72	48	80.0
78		80.0
84		80.0
90		80.0
36		80.0
42		80.0
48		80.0
54		80.0
60	54	80.0
66		80.0
72		80.0
78		80.0
84		80.0
90		80.0
36		80.0
42		80.0
48	60	80.0
54		80.0
60		80.0
66		80.0
72		80.0
78		80.0
84		80.0
90		80.0

GLASS LOAD CAPACITY (PSF)		
DAYLIGHT OPENING DIMS. (in)		WET GLAZE 'A' & 'B'
DLO 'W'	DLO 'H'	EXT. (+) INT. (-)
36	66	80.0
42		80.0
48		80.0
54		80.0
60		80.0
66		80.0
72		80.0
78		80.0
84	72	80.0
90		80.0
36		80.0
42		80.0
48		80.0
54		80.0
60		80.0
66		80.0
72	78	80.0
78		80.0
84		80.0
90		80.0
36		80.0
42		80.0
48		80.0
54		80.0
60	84	80.0
66		80.0
72		80.0
78		75.9
84		75.9
90		75.9
36		80.0
42		80.0
48	90	80.0
54		80.0
60		80.0
66		80.0
72		80.0
78		75.9
84		-
90		-

GLASS LOAD CAPACITY (PSF)		
DAYLIGHT OPENING DIMS. (in)		WET GLAZE 'A' & 'B'
DLO 'W'	DLO 'H'	EXT. (+) INT. (-)
36	96	80.0
42		80.0
48		80.0
54		80.0
60		80.0
66		80.0
72		80.0
78		-
84	102	-
90		-
36		80.0
42		80.0
48		80.0
54		80.0
60		80.0
66		80.0
72	108	-
78		-
84		-
90		-
36		80.0
42		80.0
48		80.0
54		80.0
60	114	80.0
66		-
72		-
78		-
84		-
90		-
36		80.0
42		80.0
48	118	80.0
54		80.0
60		-
66		-
72		-
78		-
84		-
90		-

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TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)

GLAZING DETAILS & GLASS
CAPACITY CHARTS

PREPARED BY:
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LICENSED PROFESSIONAL ENGINEER
No. 73778
STATE OF FLORIDA
HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

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DATE: 06.09.22

DWG. BY: LL

CHK. BY: HFN

SCALE: NTS

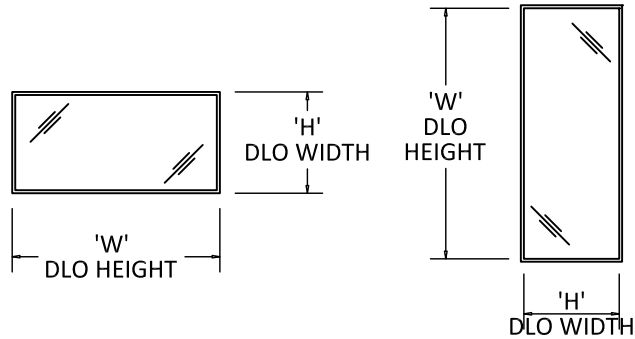
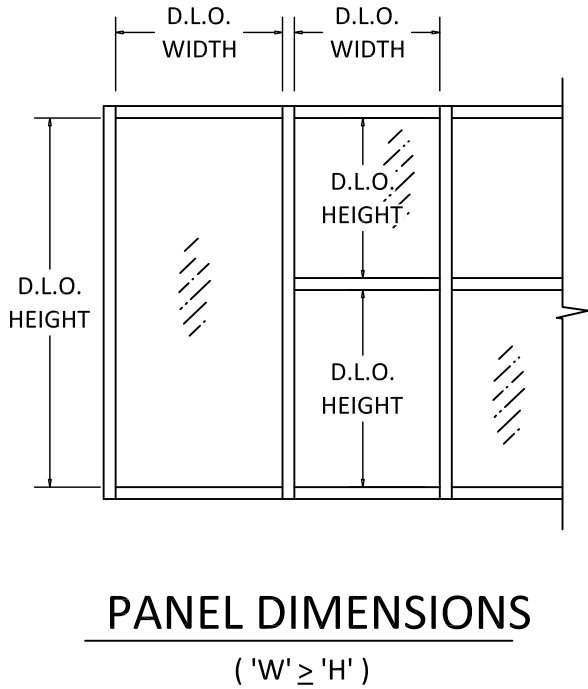
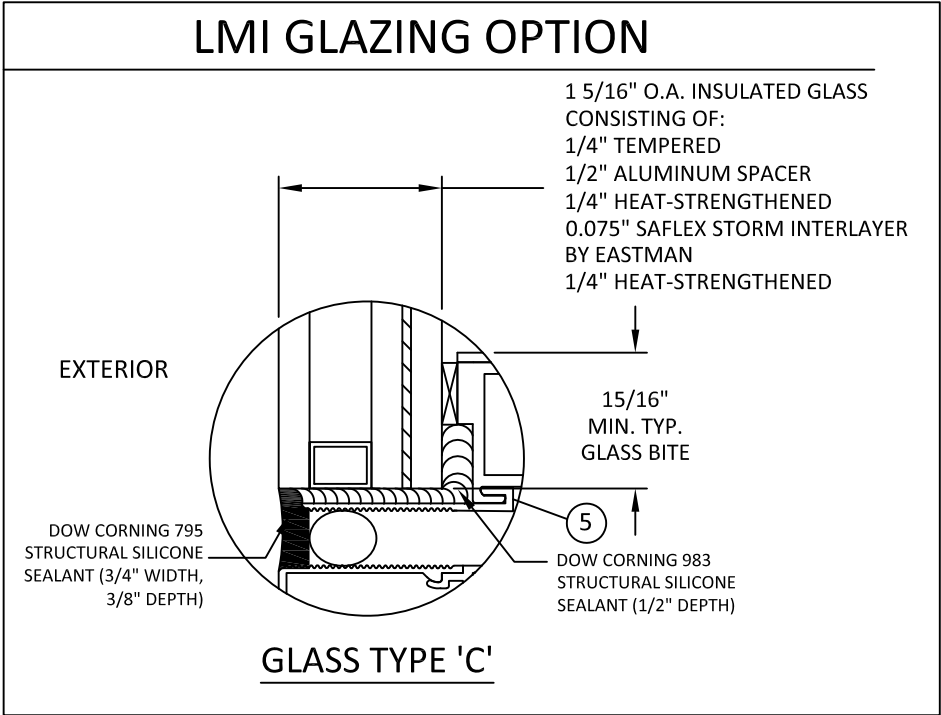
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SHEET:

5

GLASS CAPACITY CHARTS

- * NOTE:
- 1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (3 SEC. GUSTS) AND CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
 - 2. D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.



GLASS LOAD CAPACITY (PSF)		
DAYLIGHT OPENING DIMS. (in)		WET GLAZE 'C'
DLO 'W'	DLO 'H'	"EXT. (+) INT. (-)"
36	36	65.0
42		65.0
48		65.0
54		65.0
60		65.0
66		65.0
72		65.0
78		65.0
84		65.0
90		65.0
36	42	65.0
42		65.0
48		65.0
54		65.0
60		65.0
66		65.0
72		65.0
78		65.0
84		65.0
90		65.0
36	48	65.0
42		65.0
48		65.0
54		65.0
60		65.0
66		65.0
72		65.0
78		65.0
84		65.0
90		65.0
36	54	65.0
42		65.0
48		65.0
54		65.0
60		65.0
66		65.0
72		65.0
78		65.0
84		65.0
90		65.0
36	60	58.5
42		58.5
48		58.5
54		58.5
60		58.5
66		58.5
72		58.5
78		58.5
84		58.5
90		-

GLASS LOAD CAPACITY (PSF)		
DAYLIGHT OPENING DIMS. (in)		WET GLAZE 'C'
DLO 'W'	DLO 'H'	"EXT. (+) INT. (-)"
36	66	65.0
42		65.0
48		65.0
54		65.0
60		58.5
66		53.2
72		53.2
78		-
84		-
90		-
36	72	65.0
42		65.0
48		65.0
54		65.0
60		58.5
66		53.2
72		-
78		-
84		-
90		-
36	78	65.0
42		65.0
48		65.0
54		65.0
60		58.5
66		-
72		-
78		-
84		-
90		-
36	84	65.0
42		65.0
48		65.0
54		65.0
60		58.5
66		-
72		-
78		-
84		-
90		-
36	90	65.0
42		65.0
48		65.0
54		65.0
60		-
66		-
72		-
78		-
84		-
90		-

GLASS LOAD CAPACITY (PSF)		
DAYLIGHT OPENING DIMS. (in)		WET GLAZE 'C'
DLO 'W'	DLO 'H'	"EXT. (+) INT. (-)"
36	96	65.0
42		65.0
48		65.0
54		-
60		-
66		-
72		-
78		-
84		-
90		-
36	102	65.0
42		65.0
48		65.0
54		-
60		-
66		-
72		-
78		-
84		-
90		-
36	108	65.0
42		65.0
48		-
54		-
60		-
66		-
72		-
78		-
84		-
90		-
36	114	65.0
42		65.0
48		-
54		-
60		-
66		-
72		-
78		-
84		-
90		-
36	118	65.0
42		65.0
48		-
54		-
60		-
66		-
72		-
78		-
84		-
90		-

Countryside
Glass & Mirror

COUNTRYSIDE GLASS
& MIRROR, INC.

2650 GANDY BLVD NORTH.
ST. PETERSBURG, FL 33702
PH: (727)738-6000 FAX: (727)738-6100

TITLE: COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)

GLAZING DETAILS & GLASS
CAPACITY CHARTS

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

REMARKS	BY	DATE

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HERMES E. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL31183

DATE: 06.09.22

DWG. BY: LL	CHK. BY: HFN
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SCALE: NTS

DWG. #: CGM010

SHEET:

6

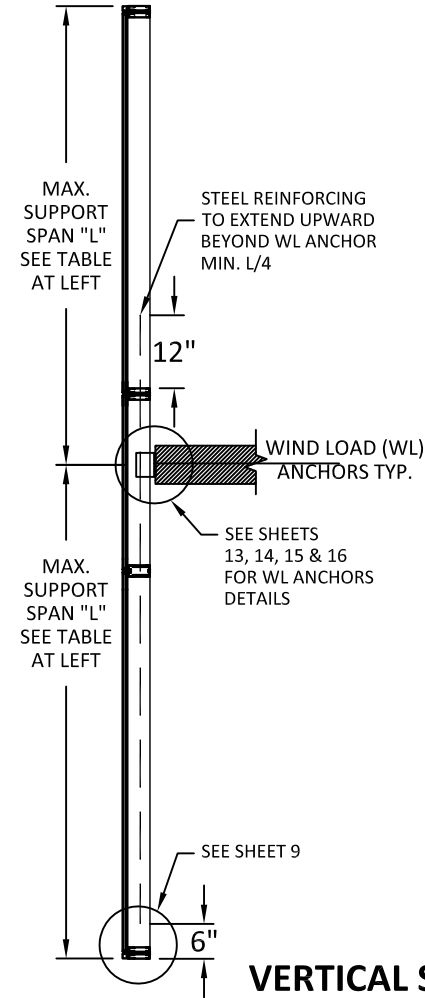
TWIN SPAN VERTICAL MULLION CAPACITIES

TWIN SPAN DESIGN PRESSURE TABLE (+/- PSF)					
MAX. SPAN 'L' (IN.)	MAX. TRIB. WIDTH 'W' (IN.)	J1	M1	M2	M3
36	72	80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72	78	80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66	84	80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60	90	80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54	96	80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48	102	80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42	108	80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
36	114	80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0

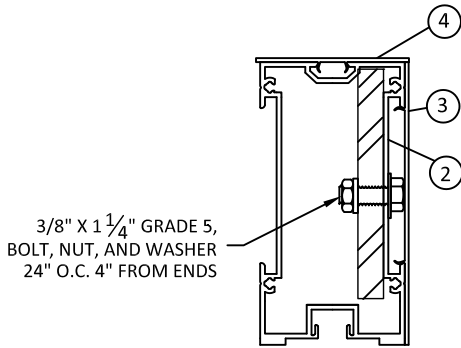
TWIN SPAN DESIGN PRESSURE TABLE (+/- PSF)					
MAX. SPAN 'L' (IN.)	MAX. TRIB. WIDTH 'W' (IN.)	J1	M1	M2	M3
36	120	80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72	126	80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66	132	80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60	138	80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72		78.1	78.3	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54	144	80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		74.6	78.2	80.0	80.0
72		68.3	71.7	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48	150	80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		72.2	79.0	80.0	80.0
66		65.6	71.8	80.0	80.0
72		60.1	65.8	80.0	80.0
36		80.0	80.0	80.0	80.0
42	156	80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		79.8	80.0	80.0	80.0
60		71.0	80.0	80.0	80.0
66		63.9	72.8	80.0	80.0
72		58.1	66.2	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0

VERTICAL MEMBER TWIN SPAN NOTES:

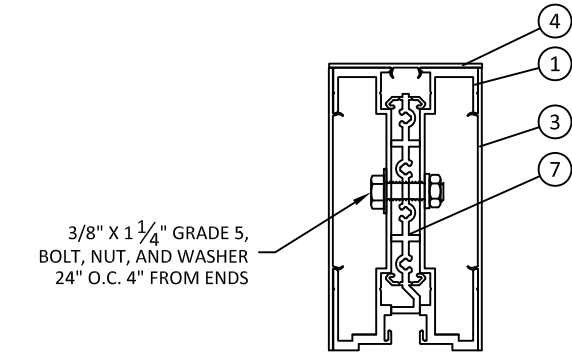
1. DETAILS AT RIGHT HAVE BEEN SHOWN FOR ILLUSTRATIVE PURPOSES. FOR DETAILS OF FULL ASSEMBLY PLEASE REFER TO APPLICABLE DETAILS ON SHEET 4.
2. TABULATED DESIGN PRESSURE VALUES ARE BASED ON LIMITATIONS OF DEFLECTION, FIBERSTRESS, & END REACTION PER MULLION SPAN ('L') AND MULLION SPACING ('W').
3. FOR SITE CONDITIONS WHICH EXCEED LIMITATIONS SHOWN, FURTHER ENGINEERING MAY BE REQUIRED ON A CASE BY CASE BASIS.



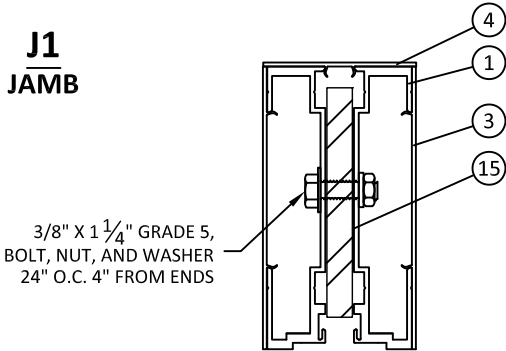
VERTICAL SECTION
MULTI-SPAN TYP.



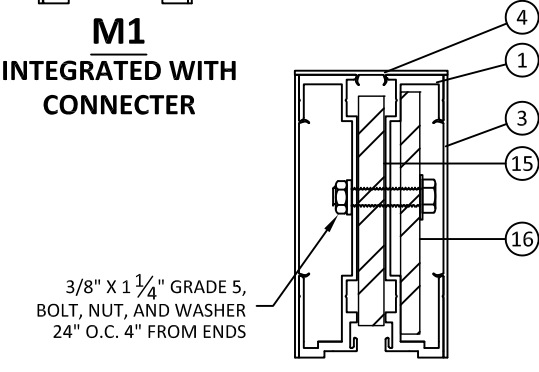
J1
JAMB



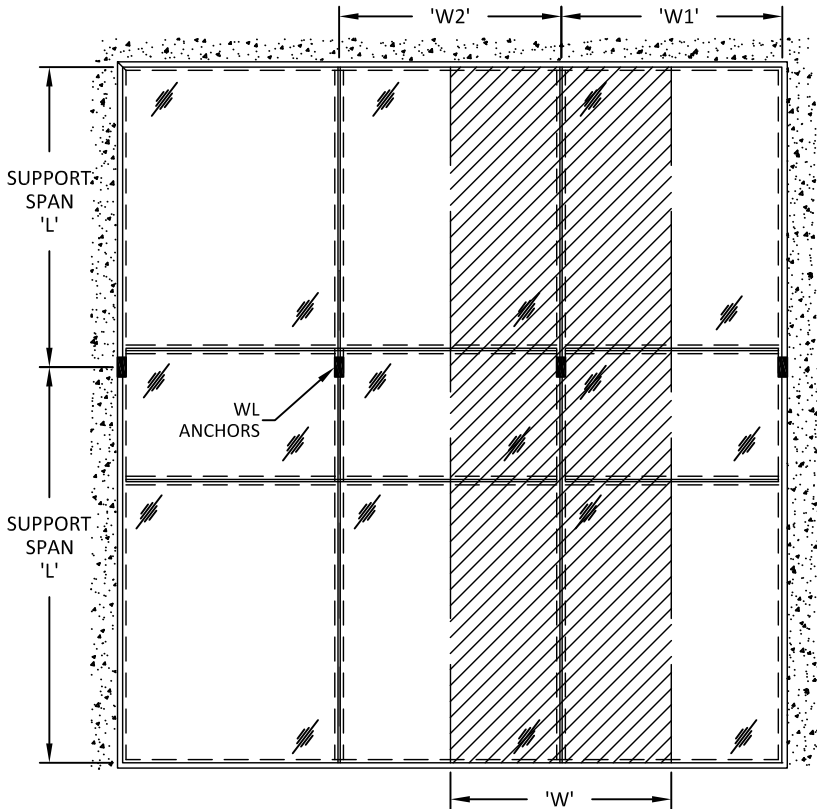
M1
INTEGRATED WITH
CONNECTOR



M2
INTEGRATED



M3
PANEL TO PANEL



ELEVATION

MULLION SPACING OR BAY WIDTH, 'W'	$W = \frac{W1 + W2}{2}$
--------------------------------------	-------------------------

VERTICAL MULLIONS

**Countryside
Glass & Mirror**
COUNTRYSIDE GLASS
& MIRROR, INC.
2650 GANDY BLVD NORTH.
ST. PETERSBURG, FL 33702
PH: (727)738-6000 FAX: (727)738-6100

TITLE: COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)

VERTICAL MULLION CAPACITIES

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

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HERMES F. NORERO
LICENSED PROFESSIONAL ENGINEER
No. 73778
STATE OF FLORIDA
HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL31183
DATE:	06.09.22
DWG. BY:	LL
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	CGM010
SHEET:	

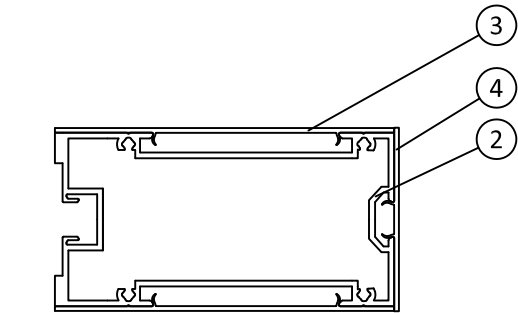
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HORIZONTAL MULLION CAPACITIES

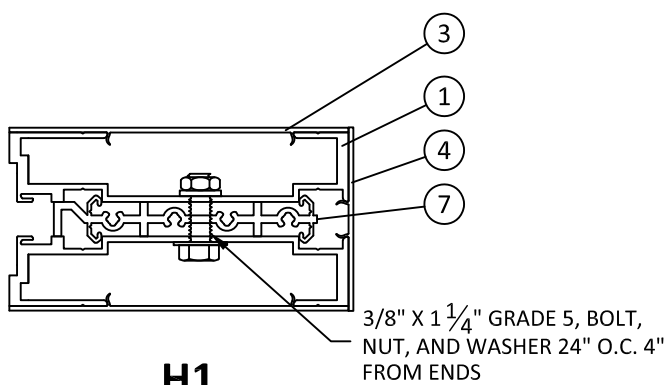
PANEL TO PANEL (OR INTERLOCKED) HORIZONTAL MULLION		
MAX. D.L.O WIDTH (IN.)	MAX. D.L.O. HEIGHT ABOVE HORIZONTAL (IN.)	DESIGN PRESSURE (+/- PSF)
74	95.25	80

STANDARD HORIZONTAL MULLION NOTES:

- 1. D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.
- 2. MAY BE USED AS TYPICAL HORIZONTAL MULLION OR TRANSOM ABOVE SINGLE OR DOUBLE DOOR ASSEMBLIES ONLY.

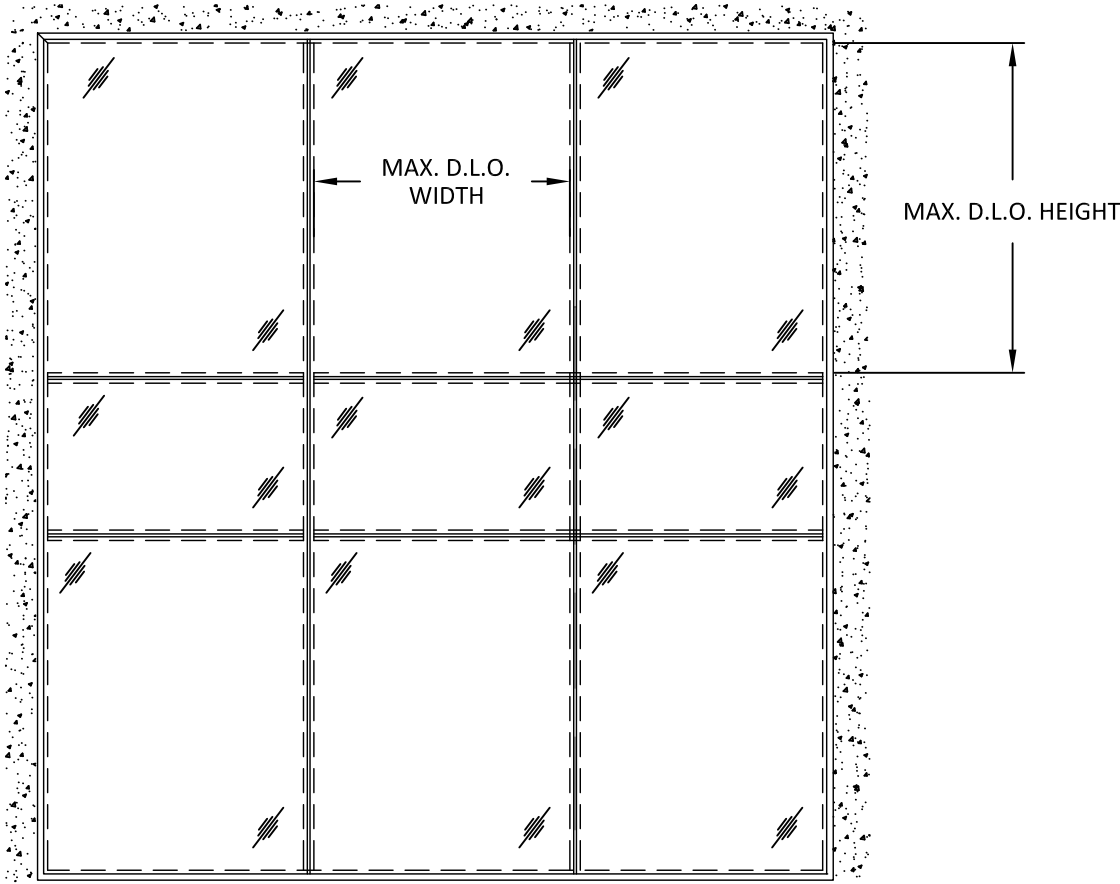


H1
INTEGRATED HORIZONTAL
MULLION



H1
PANEL TO PANEL
HORIZONTAL MULLION

HORIZONTAL MULLIONS



ELEVATION

**Countryside
Glass & Mirror**
COUNTRYSIDE GLASS
& MIRROR, INC.
2650 GANDY BLVD NORTH.
ST. PETERSBURG, FL 33702
PH: (727)738-6000 FAX: (727)738-6100

TITLE: COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)

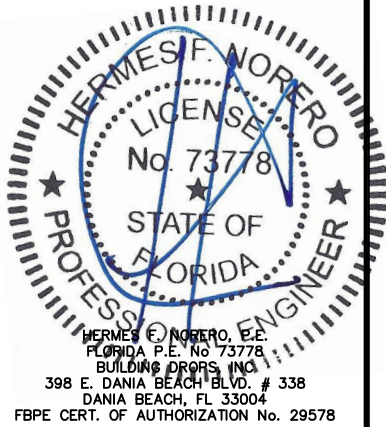
HORIZONTAL MULLION
CAPACITIES

PREPARED BY:
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398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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REMARKS	BY	DATE

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FL #:
FL31183

DATE: **06.09.22**

DWG. BY:
LL

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **CGM010**

SHEET:

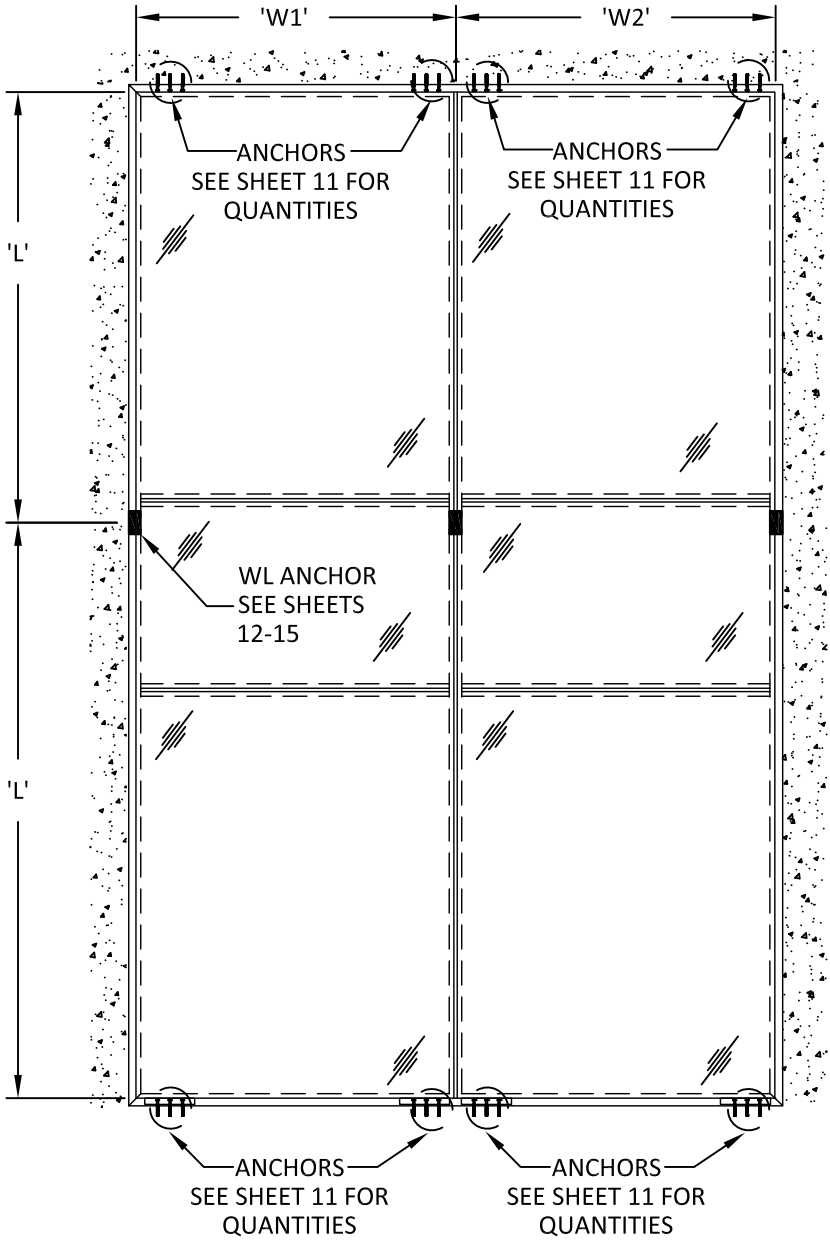
8

ANCHOR TABLE

TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MIN. EDGE DISTANCE	MIN. EMBEDMENT
A	1/2"	DEWALT SCREW-BOLT+	MIN. 3000 PSI CONCRETE	3"	1-3/4"
B	1/2"	SELF-TAPPING OR THREADED BOLT, MIN. SAE GR.5 OR ASTM A325	MIN. 3/16" THICK A36 STEEL	1-1/4"	FOR SELF-TAPPING OR DRILL & TAPED HOLES, MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE
C	5/16"	ELCO DRILL-FLEX OR HILTI KWIK-FLEX SELF-DRILLING	MIN. 12 GAUGE STEEL, MIN. Fy = 33 KSI	3/4"	MIN. 3 THREADS PENETRATION BEYOND STEEL STRUCTURE
D	1/2"	LAG SCREW	WOOD (MIN. SG = 0.55)	1"	2"

INSTALLATION NOTES:

1. SEE SHEET 11 FOR ANCHOR QUANTITY REQUIREMENTS AND CAPACITIES.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. 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.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FOR MASONRY OR CONCRETE OPENINGS, 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
9. 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.



TWIN SPAN ANCHOR LAYOUT

- NOTE:
1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. REFER TO ANCHOR LAYOUTS ABOVE FOR LOCATIONS AND DETERMINING MAX. LENGTHS (L) AND TRIBUTARY WIDTHS (W).
3. 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.

Countryside
Glass & Mirror

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& MIRROR, INC.

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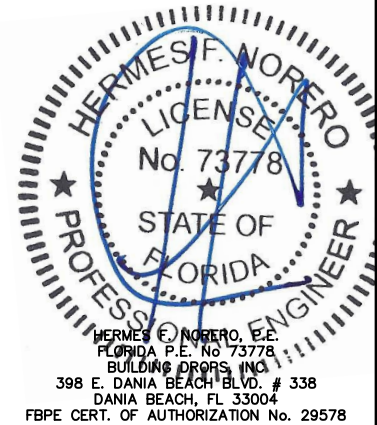
TITLE: COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)
ANCHOR SCHEDULE

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

B.D.
BUILDING DROPS

REMARKS	BY	DATE

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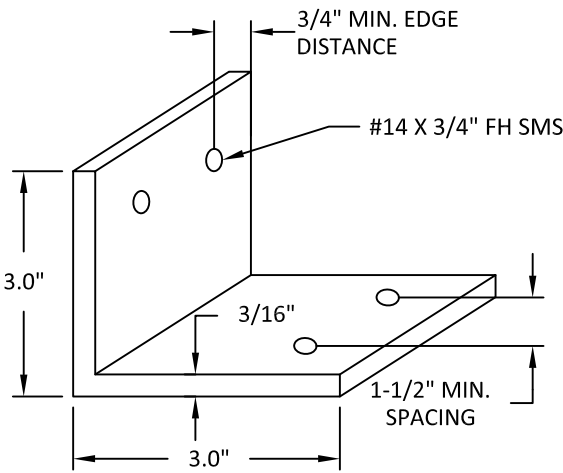
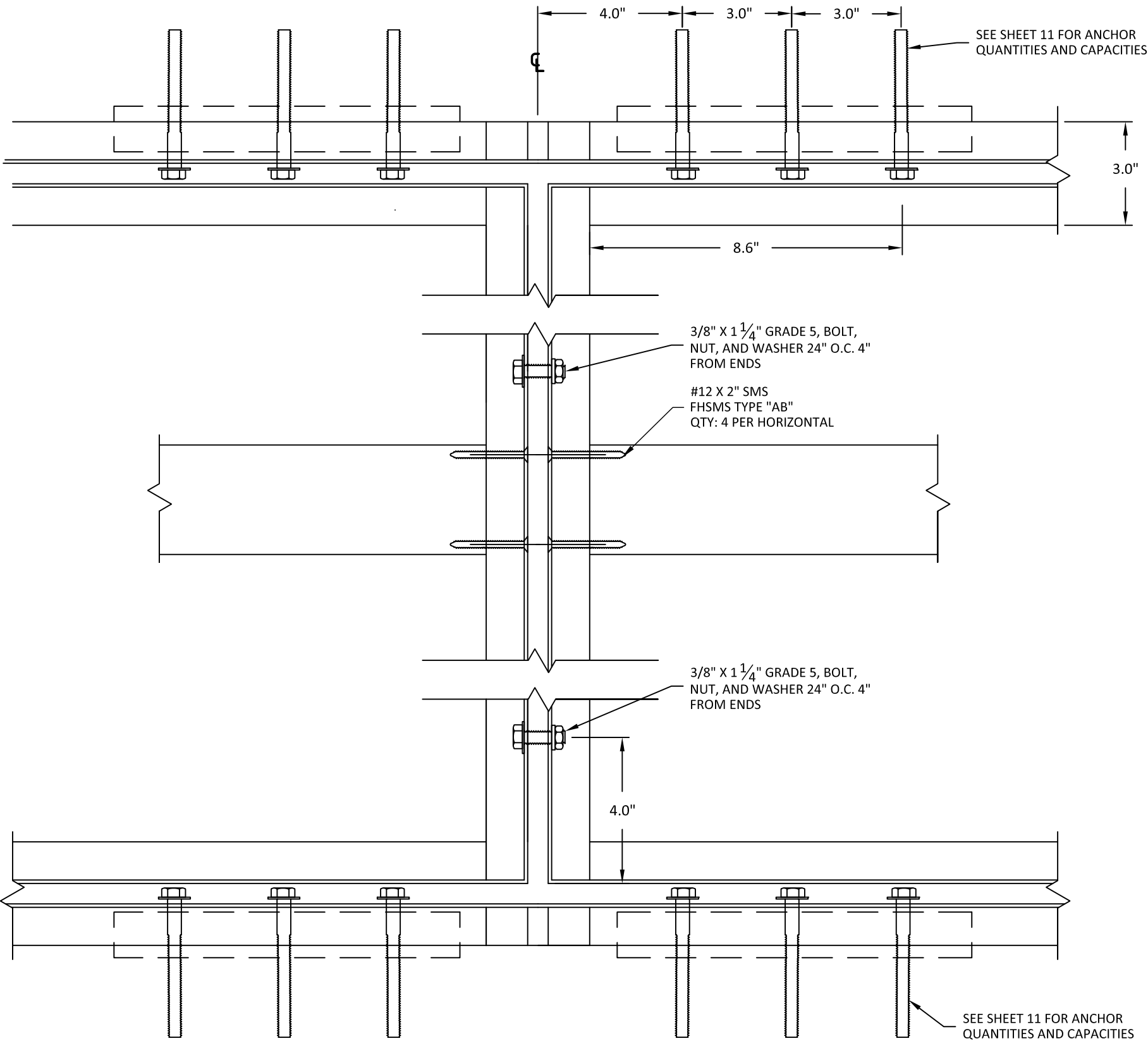
DWG. BY: LL
CHK. BY: HFN

SCALE: NTS

DWG. #: CGM010

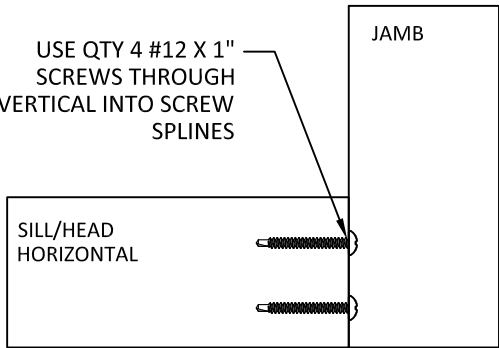
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CONSTRUCTION DETAILS

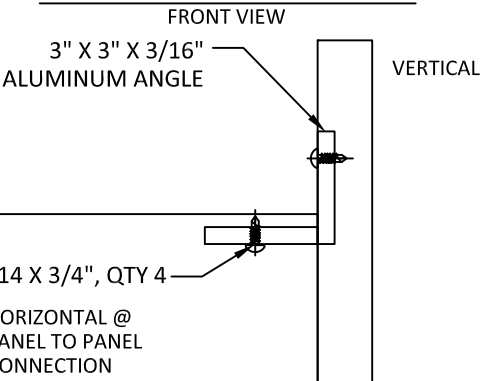


CLIP DETAIL

ISOMETRIC VIEW (N.T.S.)



CORNER CONSTRUCTION



CORNER CONSTRUCTION

PANEL TO PANEL

**Countryside
Glass & Mirror**
COUNTRYSIDE GLASS
& MIRROR, INC.
2650 GANDY BLVD NORTH.
ST. PETERSBURG, FL 33702
PH: (727)738-6000 FAX: (727)738-6100

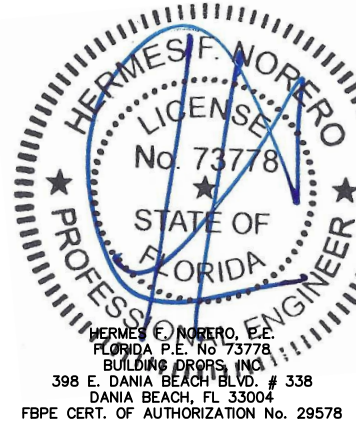
TITLE: COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)
ANCHOR LAYOUTS &
CONSTRUCTION DETAILS

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



REMARKS	BY	DATE

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FL #:

FL31183

DATE:

06.09.22

DWG. BY:

LL

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

CGM010

SHEET:

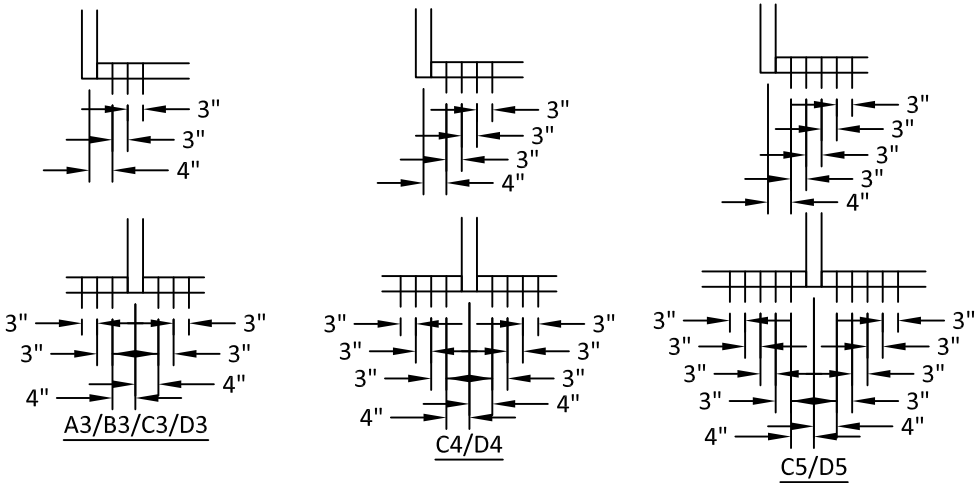
10

OF 16

s:\projects\countryside glass & mirror, inc\fbc submittal - f31183 single span curtain wall system cs3000 - f31183 twin span curtain wall cs3000\dwgs\egm010 2022-12-20.dwg 12/20/2022 12:57 PM

TWIN SPAN
HEAD & SILL - ANCHOR CAPACITY CHARTS

TRIBUTARY SIZE		MAX. ANCHOR CAPACITY - DESIGN PRESSURES (+/- PSF)								TRIBUTARY SIZE		MAX. ANCHOR CAPACITY - DESIGN PRESSURES (+/- PSF)							
MAX. SPAN 'L'	MAX. WIDTH 'W'	ANCHOR TYPE A3	ANCHOR TYPE B3	ANCHOR TYPE C3	ANCHOR TYPE C4	ANCHOR TYPE C5	ANCHOR TYPE D3	ANCHOR TYPE D4	ANCHOR TYPE D5	MAX. SPAN 'L'	MAX. WIDTH 'W'	ANCHOR TYPE A3	ANCHOR TYPE B3	ANCHOR TYPE C3	ANCHOR TYPE C4	ANCHOR TYPE C5	ANCHOR TYPE D3	ANCHOR TYPE D4	ANCHOR TYPE D5
108	36	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	144	36	80.0	80.0	80.0	80.0	80.0	62.7	80.0	80.0
	42	80.0	80.0	80.0	80.0	80.0	71.6	80.0	80.0		42	80.0	80.0	80.0	80.0	80.0	53.7	71.6	80.0
	48	80.0	80.0	80.0	80.0	80.0	62.7	80.0	80.0		48	80.0	80.0	79.4	80.0	80.0	47.0	62.7	78.4
	54	80.0	80.0	80.0	80.0	80.0	55.7	74.3	80.0		54	80.0	80.0	70.6	80.0	80.0	41.8	55.7	69.7
	60	80.0	80.0	80.0	80.0	80.0	50.2	66.9	80.0		60	80.0	80.0	63.5	80.0	80.0	37.6	50.2	62.7
	66	80.0	80.0	80.0	80.0	80.0	45.6	60.8	76.0		66	80.0	80.0	57.7	77.0	80.0	34.2	45.6	57.0
	74	80.0	80.0	80.0	80.0	80.0	40.7	54.2	67.8		74	80.0	80.0	51.5	68.7	80.0	30.5	40.7	50.8
114	36	80.0	80.0	80.0	80.0	80.0	79.2	80.0	80.0	150	36	80.0	80.0	80.0	80.0	80.0	60.2	80.0	80.0
	42	80.0	80.0	80.0	80.0	80.0	67.9	80.0	80.0		42	80.0	80.0	80.0	80.0	80.0	51.6	68.8	80.0
	48	80.0	80.0	80.0	80.0	80.0	59.4	79.2	80.0		48	80.0	80.0	76.2	80.0	80.0	45.1	60.2	75.2
	54	80.0	80.0	80.0	80.0	80.0	52.8	70.4	80.0		54	80.0	80.0	67.8	80.0	80.0	40.1	53.5	66.9
	60	80.0	80.0	80.0	80.0	80.0	47.5	63.3	79.2		60	80.0	80.0	61.0	80.0	80.0	36.1	48.1	60.2
	66	80.0	80.0	80.0	80.0	80.0	43.2	57.6	72.0		66	80.0	80.0	55.4	73.9	80.0	32.8	43.8	54.7
	74	80.0	80.0	80.0	80.0	80.0	38.5	51.4	64.2		74	80.0	80.0	49.4	65.9	80.0	29.3	39.0	48.8
120	36	80.0	80.0	80.0	80.0	80.0	75.2	80.0	80.0	156	36	80.0	80.0	80.0	80.0	80.0	57.9	77.2	80.0
	42	80.0	80.0	80.0	80.0	80.0	64.5	80.0	80.0		42	80.0	80.0	80.0	80.0	80.0	49.6	66.1	80.0
	48	80.0	80.0	80.0	80.0	80.0	56.4	75.2	80.0		48	80.0	80.0	73.3	80.0	80.0	43.4	57.9	72.3
	54	80.0	80.0	80.0	80.0	80.0	50.2	66.9	80.0		54	80.0	80.0	65.1	80.0	80.0	38.6	51.4	64.3
	60	80.0	80.0	80.0	80.0	80.0	45.1	60.2	75.2		60	80.0	80.0	58.6	78.2	80.0	34.7	46.3	57.9
	66	80.0	80.0	80.0	80.0	80.0	41.0	54.7	68.4		66	80.0	80.0	53.3	71.1	80.0	31.6	42.1	52.6
	74	80.0	80.0	80.0	80.0	80.0	36.6	48.8	61.0		74	80.0	80.0	47.5	63.4	79.2	28.2	37.5	46.9
126	36	80.0	80.0	80.0	80.0	80.0	71.6	80.0	80.0	162	36	80.0	80.0	80.0	80.0	80.0	55.7	74.3	80.0
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	48	80.0	80.0	80.0	80.0	80.0	53.7	71.6	80.0		48	80.0	80.0	70.6	80.0	80.0	41.8	55.7	69.7
	54	80.0	80.0	80.0	80.0	80.0	47.8	63.7	79.6		54	80.0	80.0	62.7	80.0	80.0	37.1	49.5	61.9
	60	80.0	80.0	80.0	80.0	80.0	43.0	57.3	71.6		60	80.0	80.0	56.5	75.3	80.0	33.4	44.6	55.7
	66	80.0	80.0	80.0	80.0	80.0	39.1	52.1	65.1		66	80.0	80.0	51.3	68.4	80.0	30.4	40.5	50.7
	74	80.0	80.0	80.0	80.0	80.0	34.9	46.5	58.1		74	80.0	80.0	45.8	61.0	76.3	27.1	36.1	45.2
132	36	80.0	80.0	80.0	80.0	80.0	68.4	80.0	80.0	168	36	80.0	80.0	80.0	80.0	80.0	53.7	71.6	80.0
	42	80.0	80.0	80.0	80.0	80.0	58.6	78.2	80.0		42	80.0	80.0	77.8	80.0	80.0	46.1	61.4	76.8
	48	80.0	80.0	80.0	80.0	80.0	51.3	68.4	80.0		48	80.0	80.0	68.1	80.0	80.0	40.3	53.7	67.2
	54	80.0	80.0	80.0	80.0	80.0	45.6	60.8	76.0		54	80.0	80.0	60.5	80.0	80.0	35.8	47.8	59.7
	60	80.0	80.0	80.0	80.0	80.0	41.0	54.7	68.4		60	80.0	80.0	54.4	72.6	80.0	32.2	43.0	53.7
	66	80.0	80.0	80.0	80.0	80.0	37.3	49.7	62.2		66	80.0	80.0	49.5	66.0	80.0	29.3	39.1	48.8
	74	80.0	80.0	80.0	80.0	80.0	33.3	44.4	55.4		74	80.0	80.0	44.1	58.9	73.6	26.1	34.9	43.6
138	36	80.0	80.0	80.0	80.0	80.0	65.4	80.0	80.0										
	42	80.0	80.0	80.0	80.0	80.0	56.1	74.8	80.0										
	48	80.0	80.0	80.0	80.0	80.0	49.1	65.4	80.0										
	54	80.0	80.0	80.0	80.0	80.0	43.6	58.1	72.7										
	60	80.0	80.0	80.0	80.0	80.0	39.2	52.3	65.4										
	66	80.0	80.0	80.0	80.0	80.0	35.7	47.6	59.5										
	74	80.0	80.0	80.0	80.0	80.0	31.8	42.4	53.0										



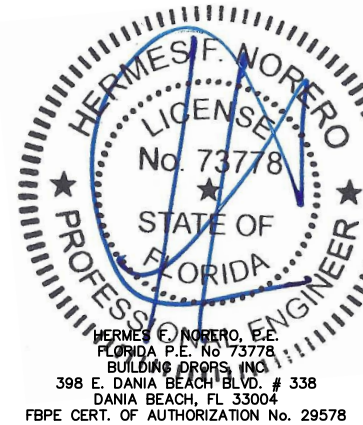
ANCHOR TYPES: SEE SHEET 9 FOR DESCRIPTION
A3/B3/C3/D3: (3) ANCHORS AT JAMB OR EACH SIDE OF MULLION
C4/D4: (4) ANCHORS AT JAMB OR EACH SIDE OF MULLION
C5/D5: (5) ANCHORS AT JAMB OR EACH SIDE OF MULLION

**Countryside
Glass & Mirror**
COUNTRYSIDE GLASS
& MIRROR, INC.
2650 GANDY BLVD NORTH.
ST. PETERSBURG, FL 33702
PH: (727)738-6000 FAX: (727)738-6100

TITLE: COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)
ANCHOR CAPACITY CHARTS &
DIAGRAMS
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

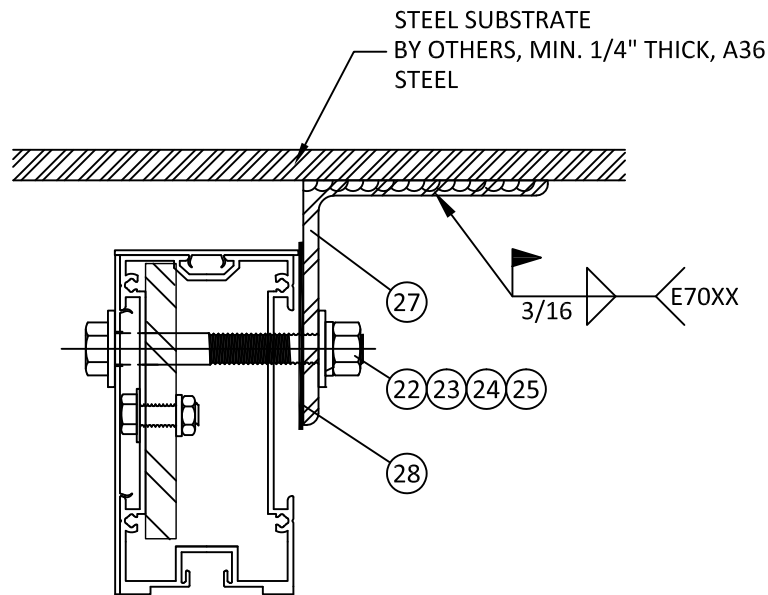
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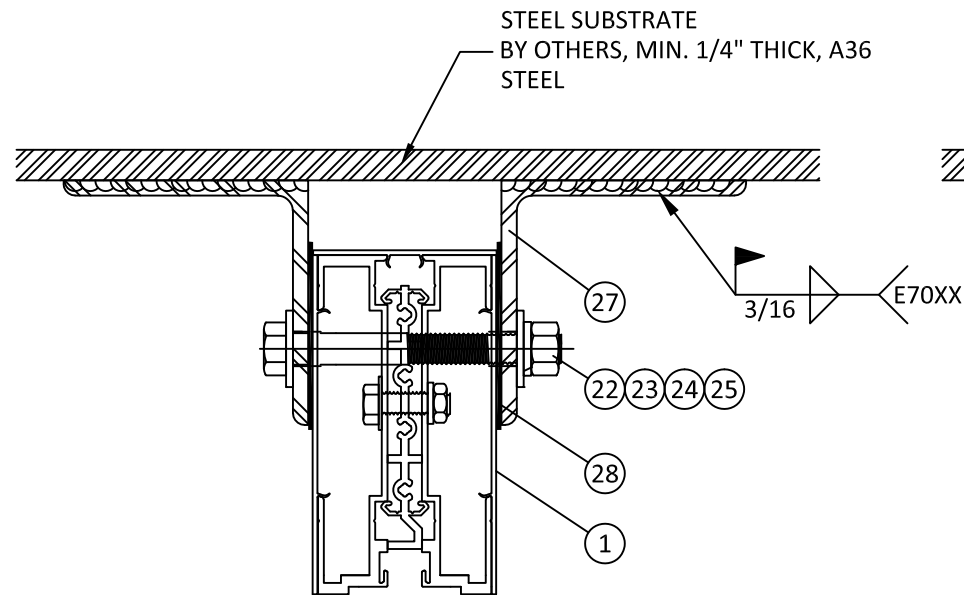
FL #:
FL31183
DATE: **06.09.22**
DWG. BY: **LL** CHK. BY: **HFN**
SCALE: **NTS**
DWG. #: **CGM010**
SHEET:
11
OF 16

12/20/2022 12:57 PM

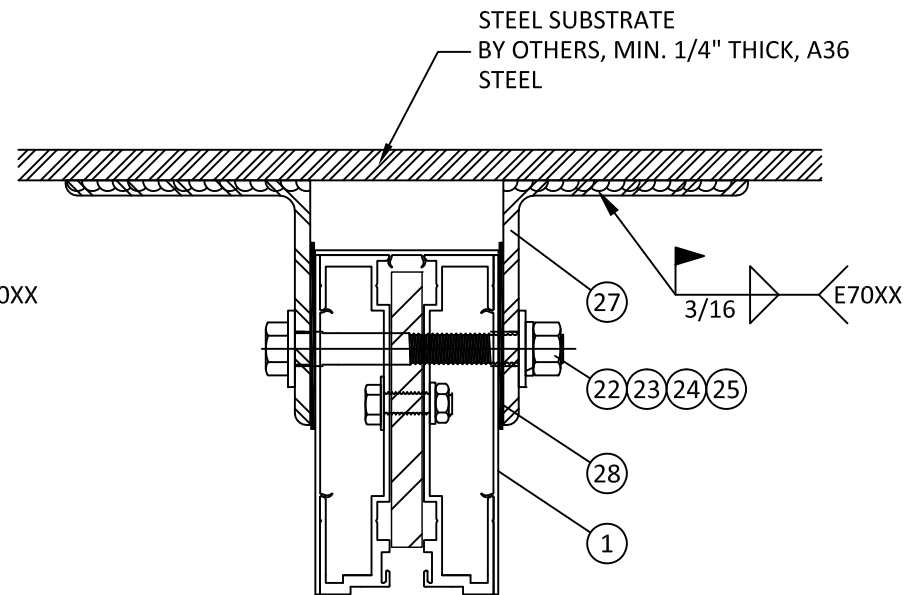
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A
12 **HORIZONTAL SECTION**
WIND LOAD ANCHOR
AT JAMB

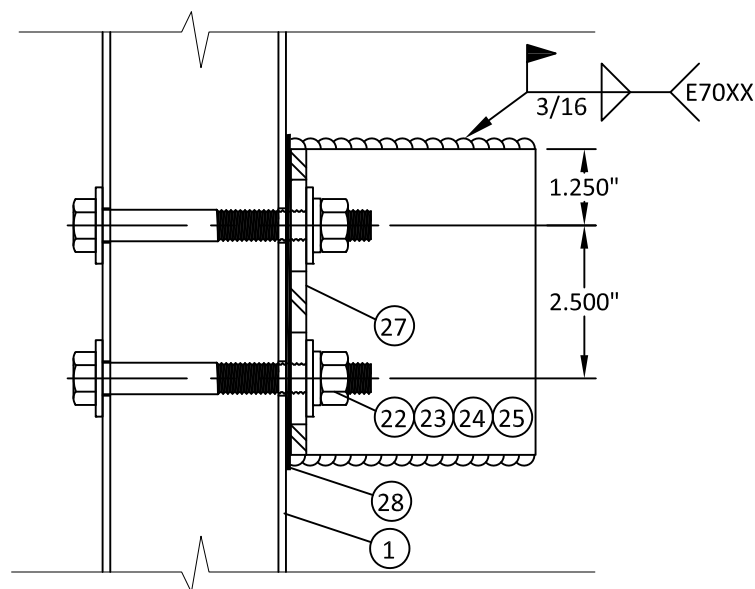


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12 **HORIZONTAL SECTION**
WIND LOAD ANCHOR
AT VERTICAL MULLION

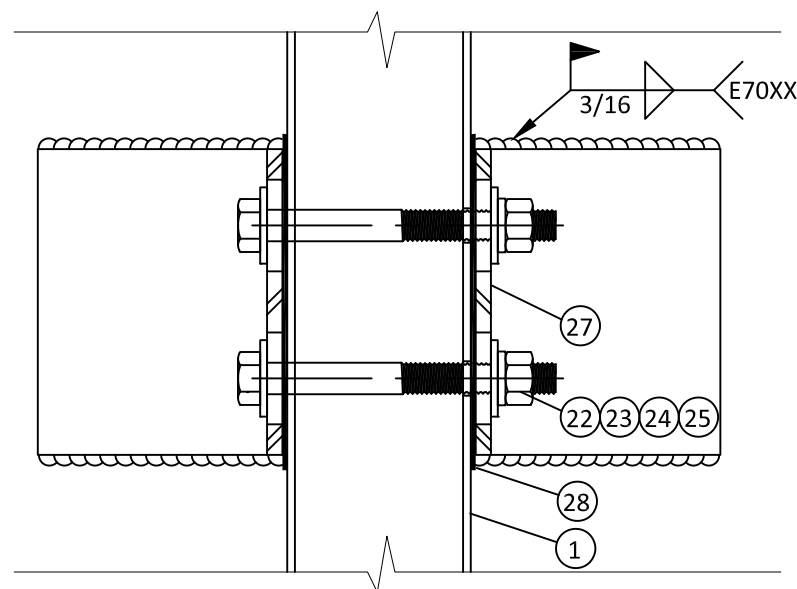


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12 **HORIZONTAL SECTION**
WIND LOAD ANCHOR
AT VERTICAL MULLION

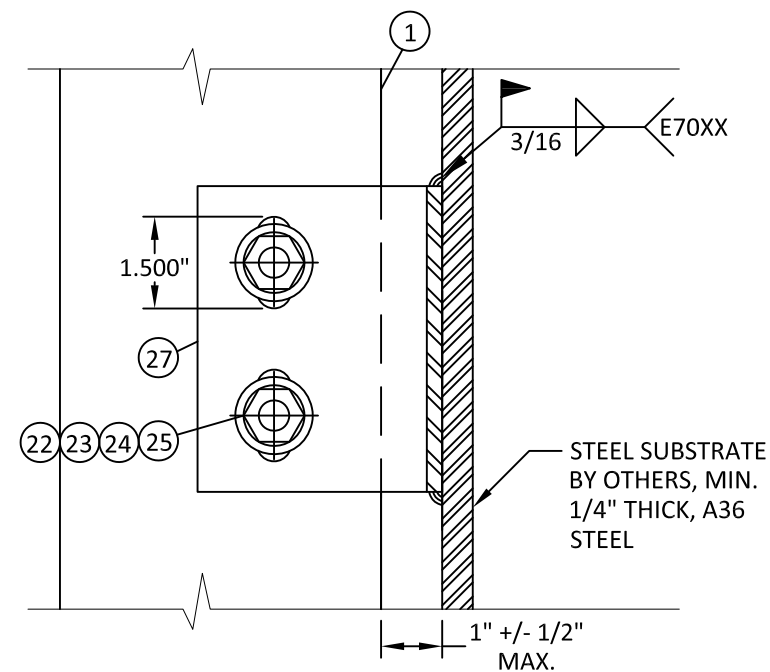
WL ANCHOR CAPACITY	
MAX. SPAN 'L'	MAX. DESIGN PRESSURE
120"	+/- 80 PSF



EXTERIOR VIEW
WIND LOAD ANCHOR
AT JAMB



EXTERIOR VIEW
WIND LOAD ANCHOR
AT VERTICAL MULLION



VERTICAL SECTION
WIND LOAD ANCHOR
AT STEEL SUBSTRATE

**Countryside
Glass & Mirror**

**COUNTRYSIDE GLASS
& MIRROR, INC.**

2650 GANDY BLVD NORTH,
ST. PETERSBURG, FL 33702
PH: (727)738-6000 FAX: (727)738-6100

TITLE: COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)

WIND LOAD ANCHOR DETAILS

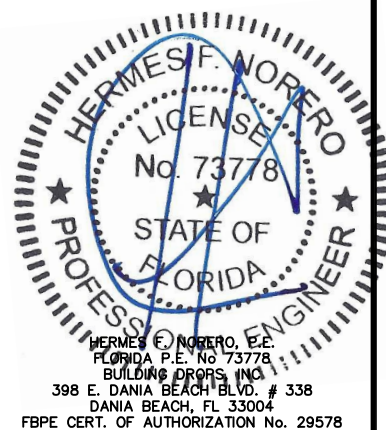
PREPARED BY: BUILDING DROPS, INC.

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

FL31183

DATE: **06.09.22**

DWG. BY: **LL** CHK. BY: **HFN**

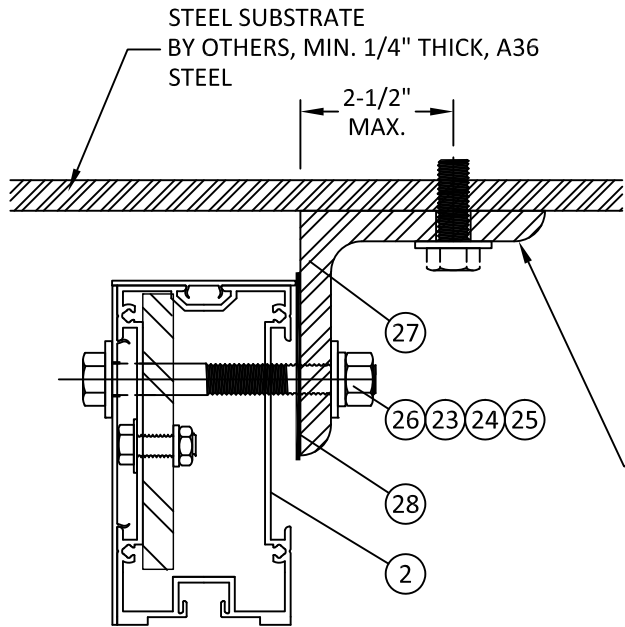
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DWG. #: **CGM010**

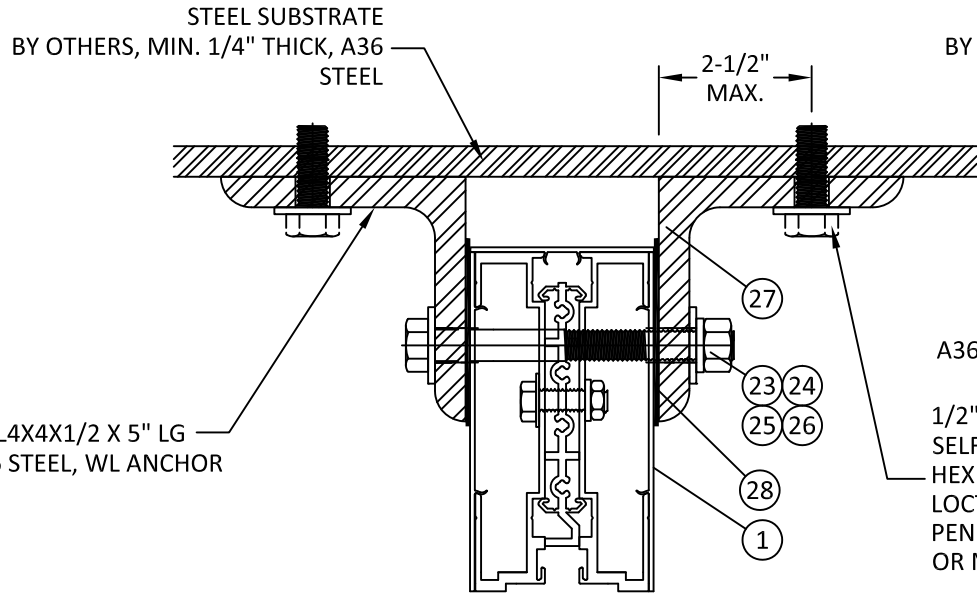
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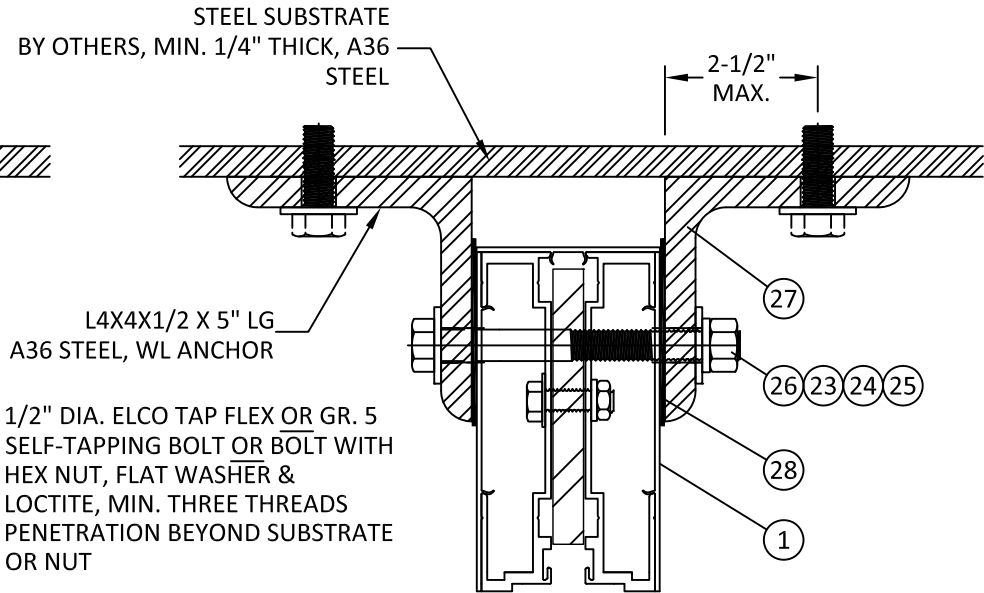
OF 16



A **HORIZONTAL SECTION**
13 WIND LOAD ANCHOR AT JAMB

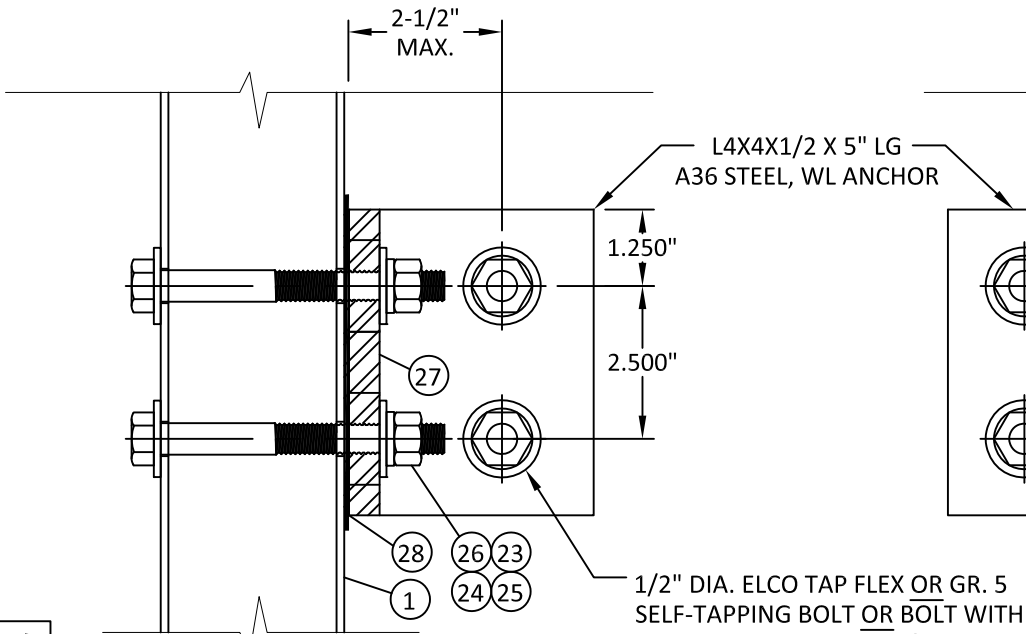


B **HORIZONTAL SECTION**
13 WIND LOAD ANCHOR AT VERTICAL MULLION

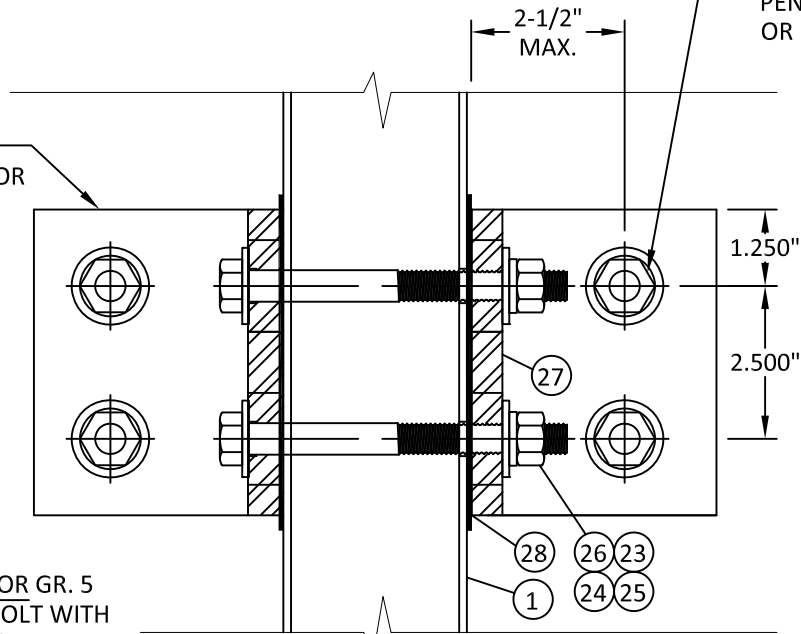


C **HORIZONTAL SECTION**
13 WIND LOAD ANCHOR AT VERTICAL MULLION

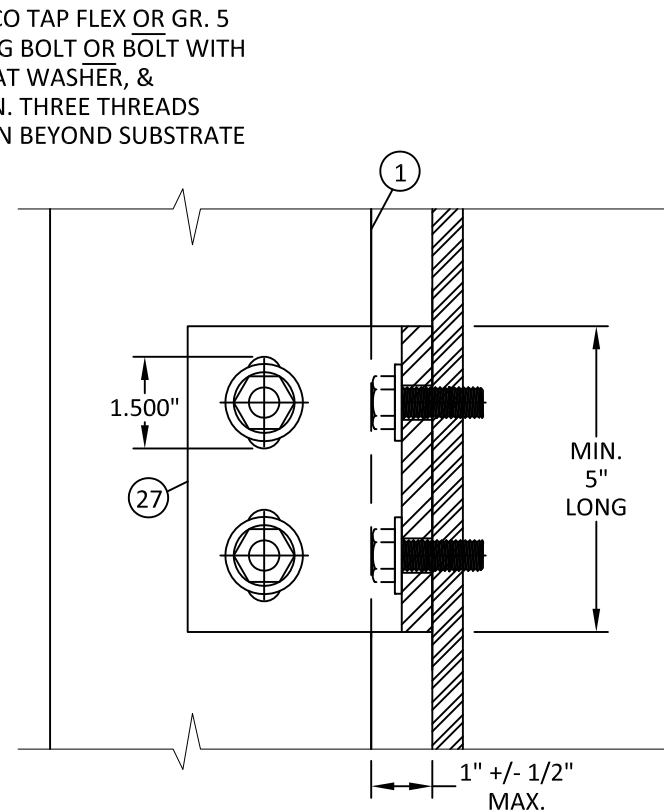
WL ANCHOR CAPACITY	
MAX. SPAN 'L'	MAX. DESIGN PRESSURE
120"	+/- 80 PSF



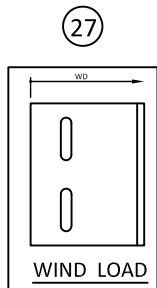
EXTERIOR VIEW
WIND LOAD ANCHOR AT JAMB



EXTERIOR VIEW
WIND LOAD ANCHOR AT VERTICAL MULLION



VERTICAL SECTION
WIND LOAD ANCHOR AT STEEL SUBSTRATE



**Countryside
Glass & Mirror**
COUNTRYSIDE GLASS
& MIRROR, INC.
2650 GANDY BLVD NORTH.
ST. PETERSBURG, FL 33702
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TITLE: COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)

WIND LOAD ANCHOR DETAILS

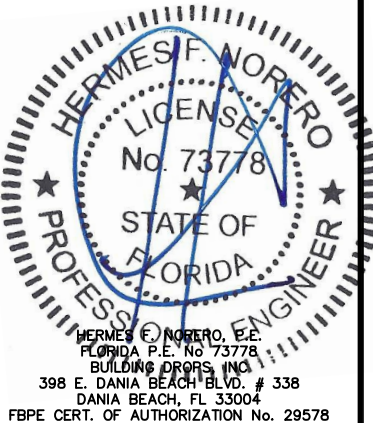
PREPARED BY: BUILDING DROPS, INC.

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

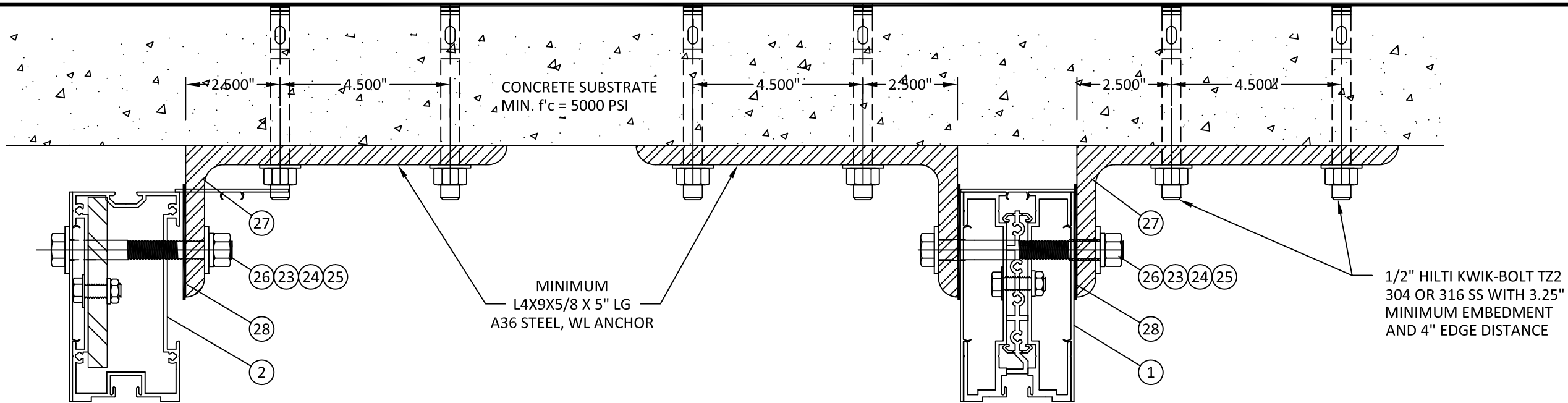
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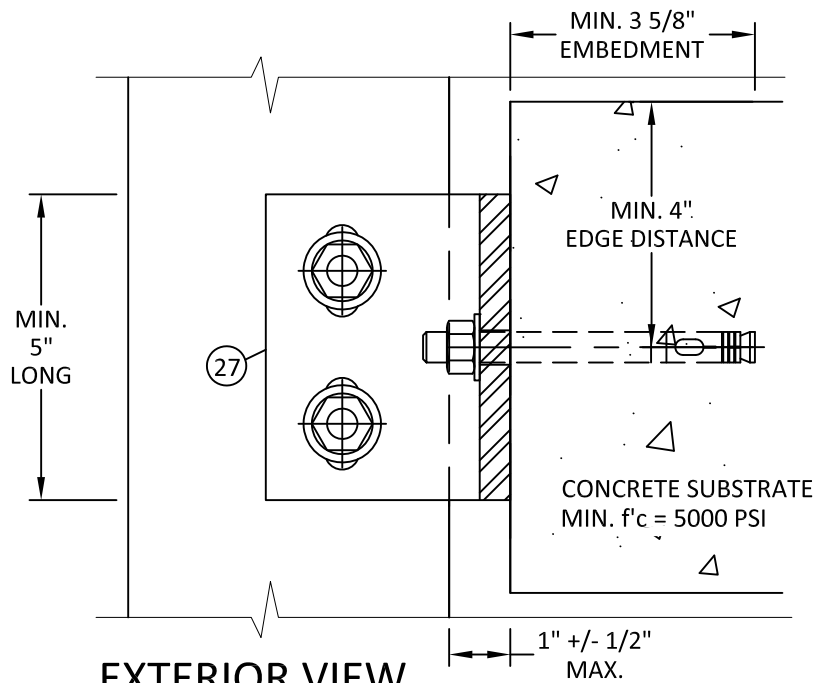
FL #:	FL31183
DATE:	06.09.22
DWG. BY:	LL
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	CGM010
SHEET:	13

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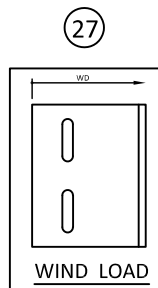
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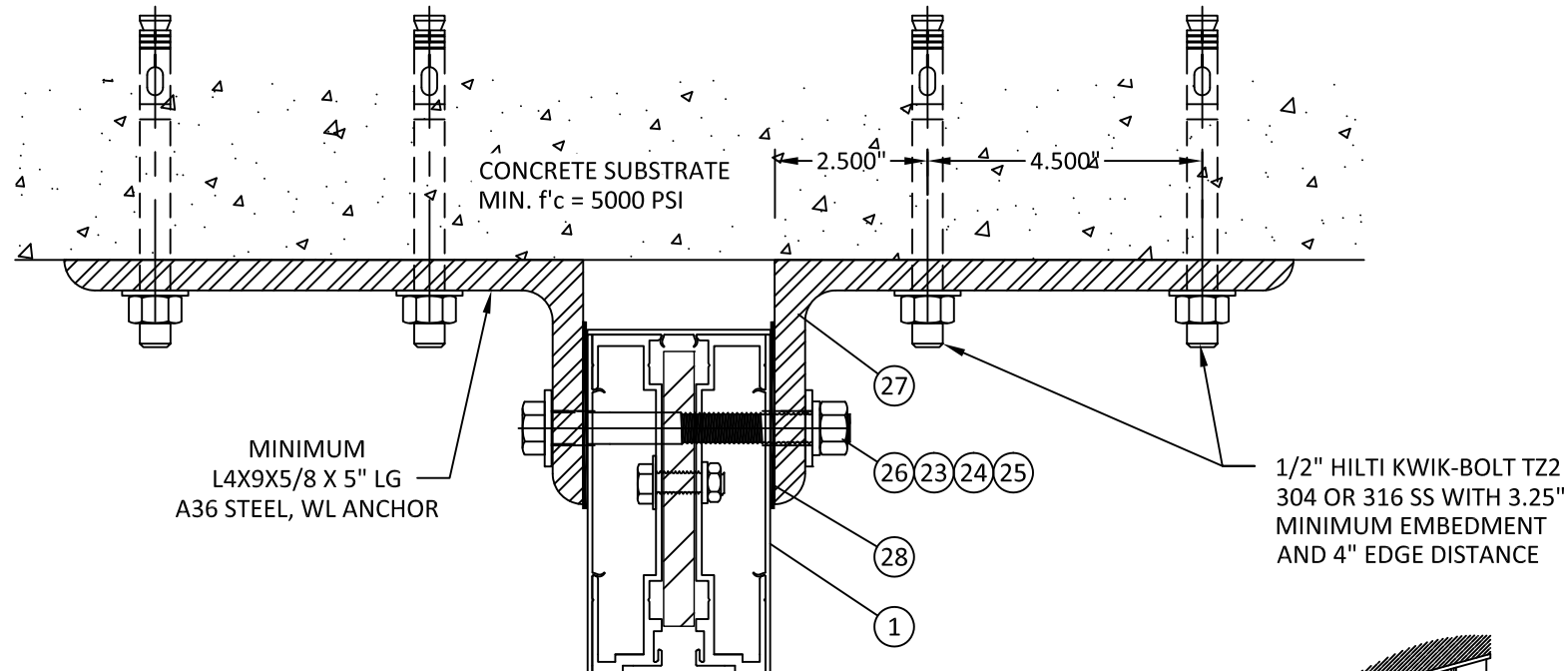
A **HORIZONTAL SECTION**
14 WIND LOAD ANCHOR AT JAMB



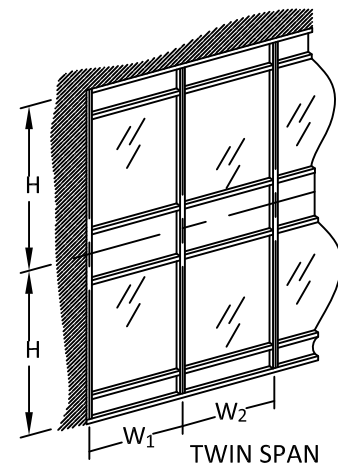
EXTERIOR VIEW
WIND LOAD ANCHOR AT JAMB



WL ANCHOR CAPACITY	
MAX. SPAN 'L'	MAX. DESIGN PRESSURE
120"	+/- 80 PSF



B **HORIZONTAL SECTION**
14 WIND LOAD ANCHOR AT VERTICAL MULLION



Countryside
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TITLE: COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)

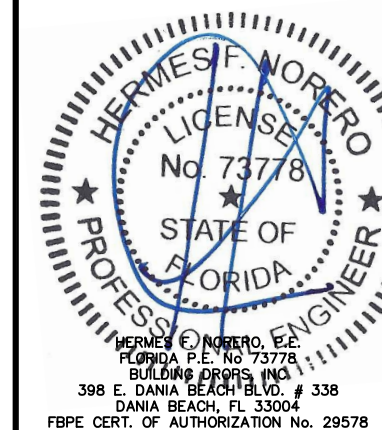
WIND LOAD ANCHOR DETAILS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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SCALE: **NTS**

DWG. #: **CGM010**

SHEET: **14**

OF 16

TITLE: COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)(IMPACT)

WIND LOAD ANCHOR DETAILS

PREPARED BY:

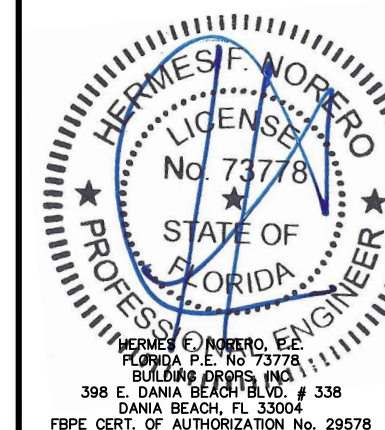
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FL #:

FL31183

DATE: 06.09.22

DWG. BY:
LL

CHK. BY:
HFN

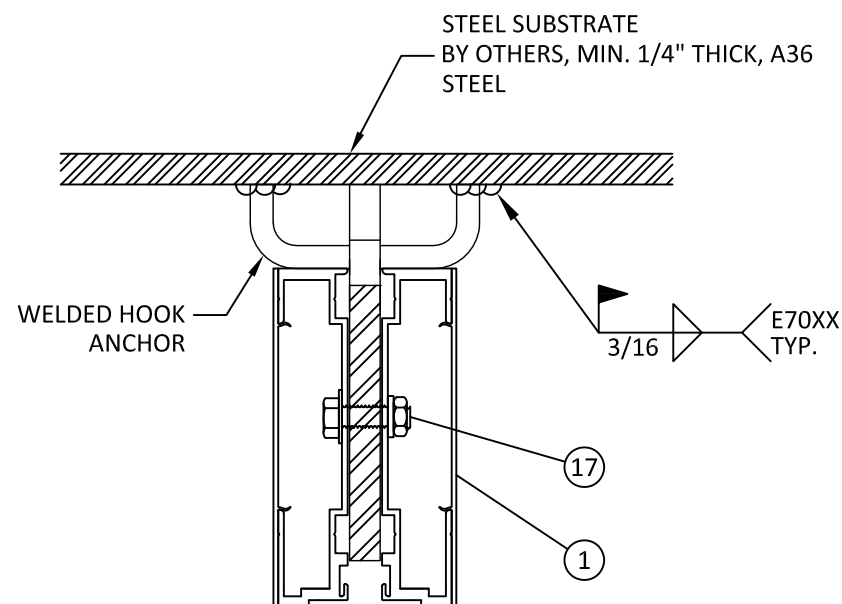
SCALE: **NTS**

DWG. #: CGM010

SHEET:

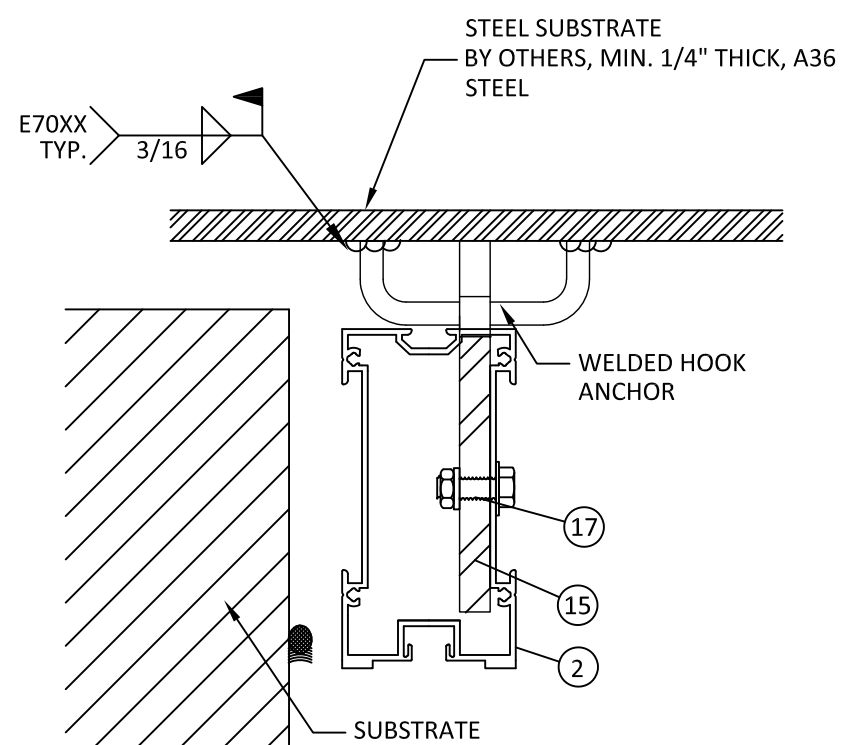
15

OF 16



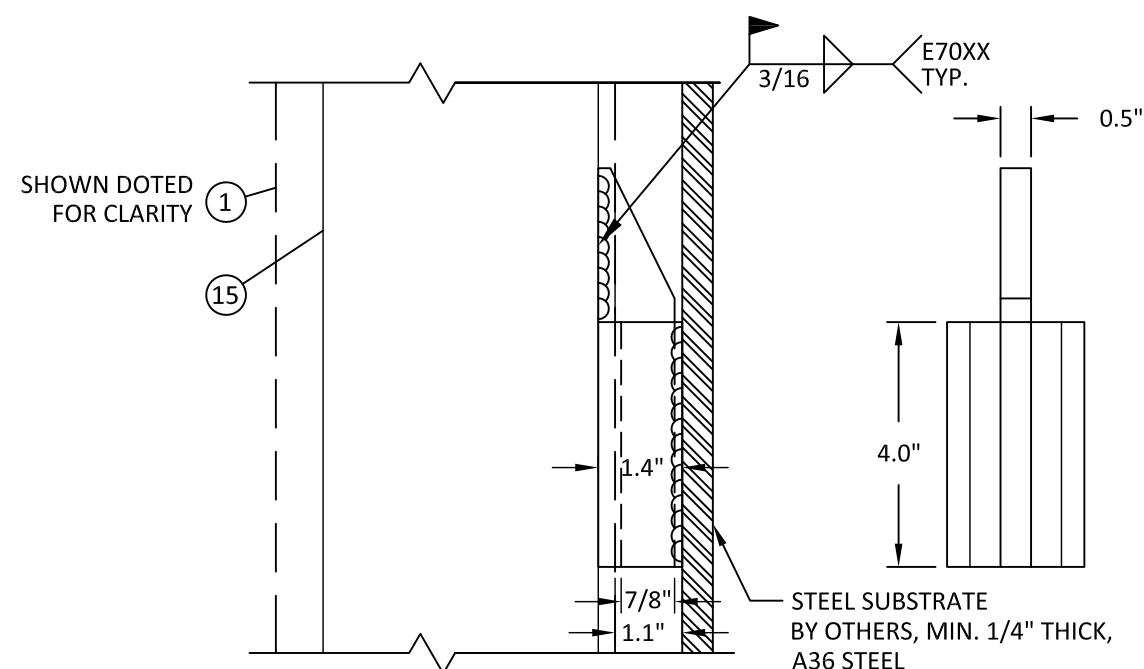
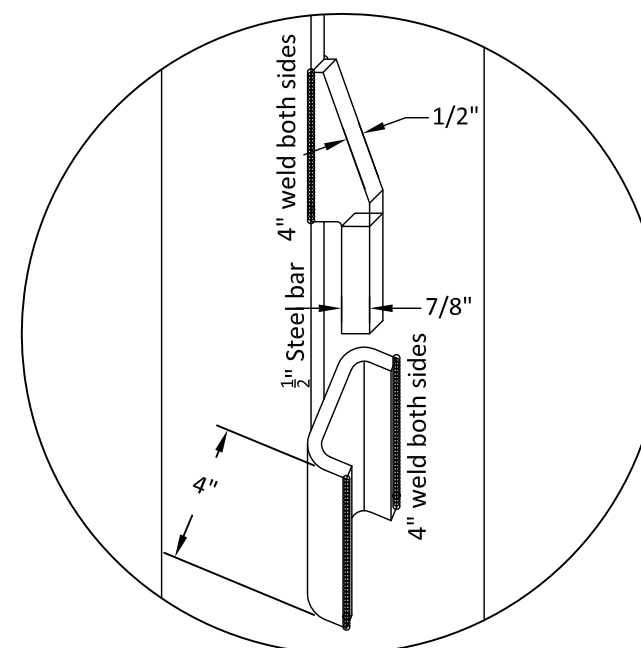
A HORIZONTAL SECTION

WIND LOAD ANCHOR AT VERTICAL MULLION



B HORIZONTAL SECTION

WIND LOAD ANCHOR AT JAMB



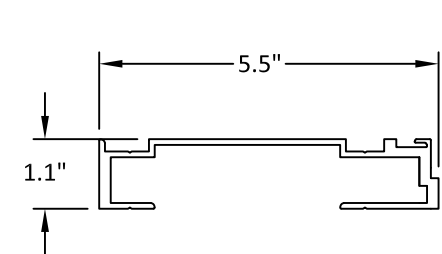
C 15 WELDED HOOK ANCHOR

WIND LOAD ANCHOR AT VERTICAL MULLION

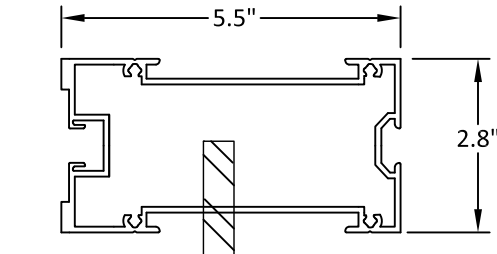
WL ANCHOR CAPACITY	
MAX. SPAN 'L'	MAX. DESIGN PRESSURE
120"	+/- 70 PSF

BILL OF MATERIALS			
ITEM	PART No.	DESCRIPTION	MATERIAL
1	CS-3001	MAIN EXTRUSION	ALUMINUM 6063-T5
2	CS-3002	HORIZONTAL/VERTICAL MULL	ALUMINUM 6063-T5
3	CS-3003	SIDE FILLER	ALUMINUM 6063-T5
4	CS-3004	BACK FILLER	ALUMINUM 6063-T5
5	CS-3005	INTERMEDIATE GLASS CLIP	ALUMINUM 6063-T5
6	CS-3006	PERIMETER GLASS CLIP	ALUMINUM 6063-T5
7	CS-3008	ANCHOR CONNECTOR	ALUMINUM 6063-T5
8	CS-3010	PERIMETER ISOLATER	
9	CS-3011	SILL ANCHOR TUBE	ALUMINUM 6063-T6
10	PSB125	1/8" X 1/4" X 2" PLASTIC BLOCK	
11	CS-3012	HEAD ANCHOR TUBE	ALUMINUM 6063-T6
12	V210638	3/16" X 3/8" ISOLATOR TAPE	
13	V210412	1/8" X 1/2" ISOLATOR TAPE	
14		5/8" BACK ROD	
15		STEEL REINFORCEMENT	STEEL A36
16		STEEL REINFORCEMENT	STEEL A36
17		3/8-16 X 1-1/4" BOLTS 24" O.C.	
18		5/16-24 ELCO DRILFLEX 24" O.C.	
19	-	-	-
20	CS-3007	OPTIONAL APPLIED CAP	ALUMINUM 6063-T5
21	CS-3009	OPTIONAL APPLIED CAP WEDGE	
22		1/2" - 13 X 4 1/2" HHMS BOLT (GRADE 5)	-
23		1/2"-13 HEX NUT	-
24		1/2" LOCK WASHER	-
25		1/2" FLAT WASHER	-
26		1/2" - 13 HHMS BOLT (GRADE 5) OF SUFFICIENT LENGTH TO ACHIEVE FULL ENGAGEMENT W/NUT SAE GR.5 OR ASTM A325	-
27		WIND LOAD ANCHOR	ASTM A36
28		ANCHOR SLIP PAD	6063-T5

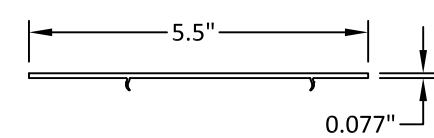
1 MAIN EXTRUSION



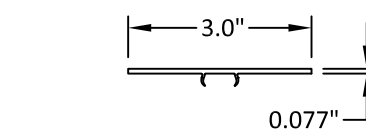
2 HORIZONTAL/VERTICAL MULLION



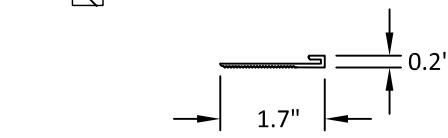
3 SIDE FILLER



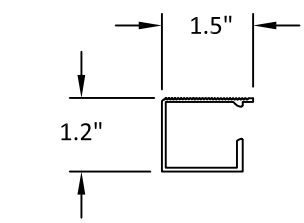
4 BACK FILLER



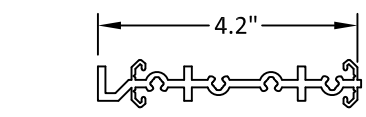
5 INTERMEDIATE GLASS CLIP



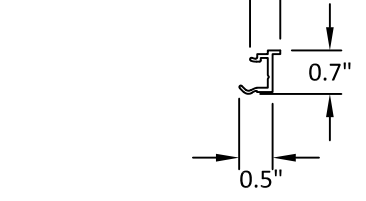
6 PERIMETER GLASS CLIP



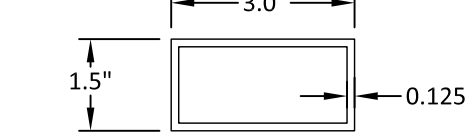
7 ANCHOR CONNECTOR



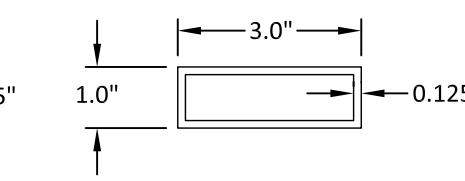
8 PERIMETER ISOLATOR



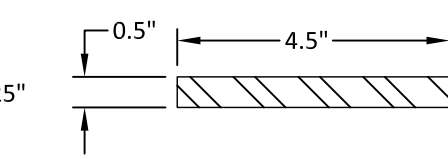
9 SILL ANCHOR TUBE



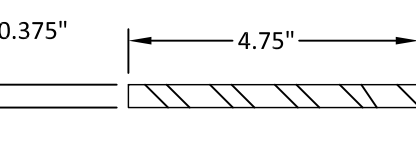
11 HEAD ANCHOR TUBE



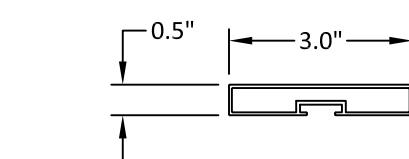
15 STEEL REINFORCEMENT



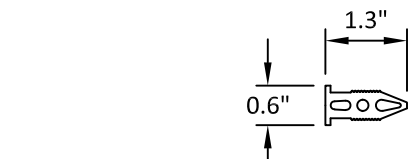
16 STEEL REINFORCEMENT



20 OPTIONAL APPLIED CAP



21 OPTIONAL APPLIED CAP WEDGE



Countryside
Glass & Mirror

COUNTRYSIDE GLASS
& MIRROR, INC.
2650 GANDY BLVD NORTH.
ST. PETERSBURG, FL 33702
PH: (727)738-6000 FAX: (727)738-6100

COUNTRYSIDE ARMOR WALL
TWIN SPAN SYSTEM - CS3000
(WZ3)/(IMPACT)

BILL OF MATERIAL

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

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

HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL31183

DATE: 06.09.22

DWG. BY: LL
CHK. BY: HFN

SCALE: NTS

DWG. #: CGM010

SHEET:
16
OF 16