

COUNTRYSIDE GLASS & MIRROR

ARMOR WALL SINGLE SPAN CURTAIN WALL SYSTEM

CS3000 (WZ3)(IMPACT)

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.

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, SINGLE 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

THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE, EXCLUDING REQUIREMENTS FOR HVHZ.
2. 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.
3. 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.
4. 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.
5. THIS PRODUCT DOES NOT REQUIRE IMPACT PROTECTIVE DEVICES IN WIND ZONES 3 OR LESS.
6. THIS PRODUCT DOES REQUIRES IMPACT PROTECTIVE DEVICES IN WIND ZONE 4.
7. 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.

TABLE OF CONTENTS	
SHEET	SECTION DESCRIPTION
1	GENERAL NOTES, INSTALLATION NOTES & INSTRUCTIONS
2	SINGLE SPAN ELEVATION
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	GLAZING DETAILS & GLASS CAPACITY CHARTS
6	GLAZING DETAILS & GLASS CAPACITY CHARTS
7	VERTICAL MULLION CAPACITIES
8	HORIZONTAL MULLION CAPACITIES
9	ANCHOR SCHEDULE
10	ANCHOR LAYOUTS & CONSTRUCTION DETAILS
11	ANCHOR CAPACITY CHARTS
12	COMPONENTS & BILL OF MATERIALS

**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
SINGLE SPAN SYSTEM CS3000
(WZ3)(IMPACT)

GENERAL NOTES, INSTALLATION
NOTES & INSTRUCTIONS

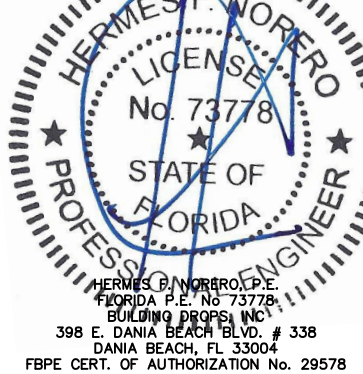
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com


BUILDING DROPS

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN 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: 2022.12.20 15:47:14 -0500



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
-----------------------	------------------------

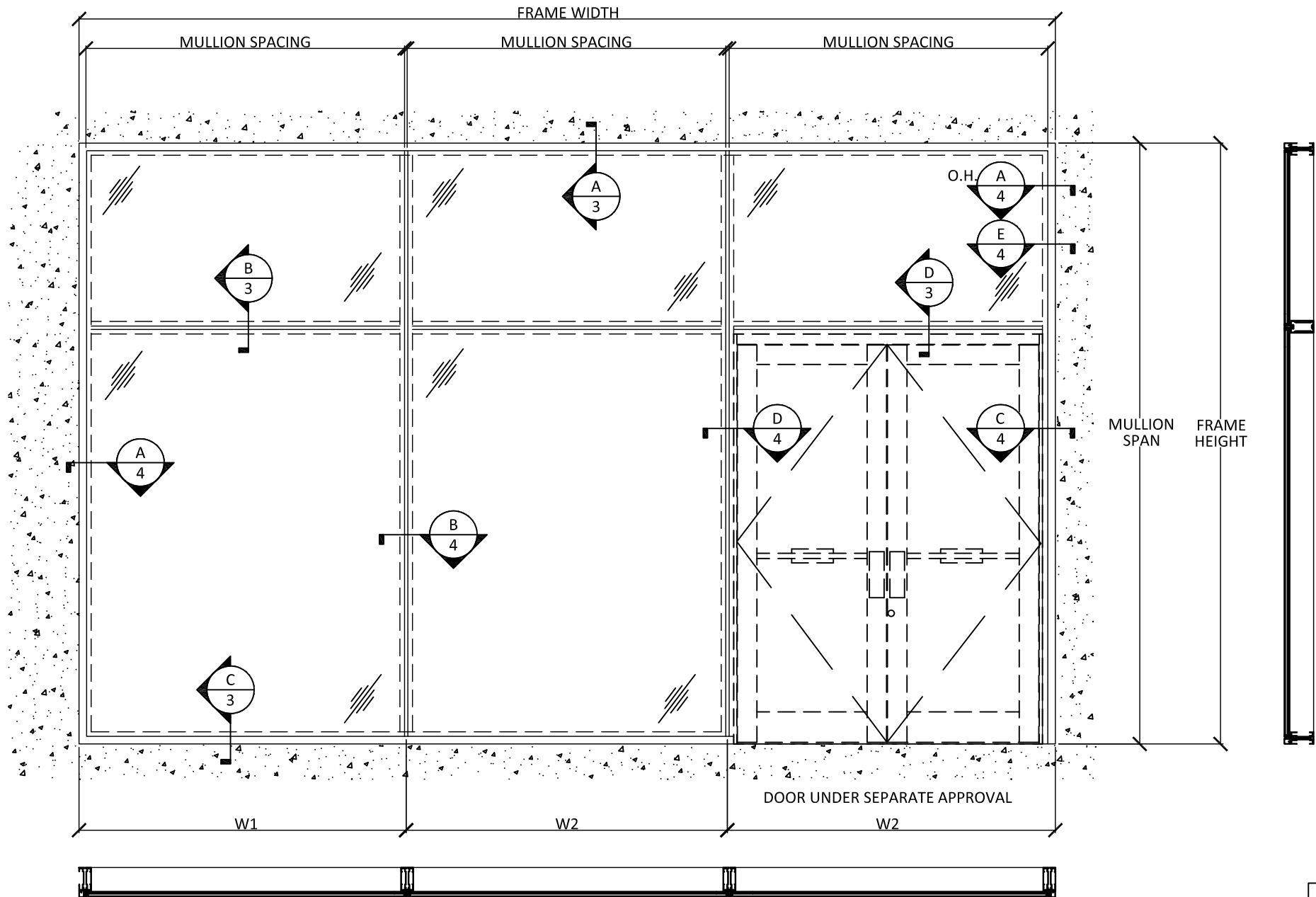
SCALE: **NTS**

DWG. #: **CGM009**

SHEET:

1

OF 12



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.

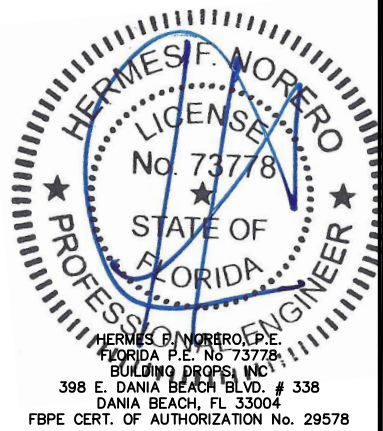
**Countryside
Glass & Mirror**
COUNTRYSIDE GLASS
& MIRROR, INC.
2650 GANDY BLVD NORTH.
ST. PETERSBURG, FL 33702
PH: (727)738-6000 FAX: (727)738-6100

TITLE: COUNTRYSIDE ARMOR WALL
SINGLE SPAN SYSTEM CS3000
(WZ3)(IMPACT)
SINGLE SPAN OPENING
ELEVATION

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

THE INSTALLATION DETAILS DESCRIBED HERE IN 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 #:
FL31183

DATE: **06.09.22**

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

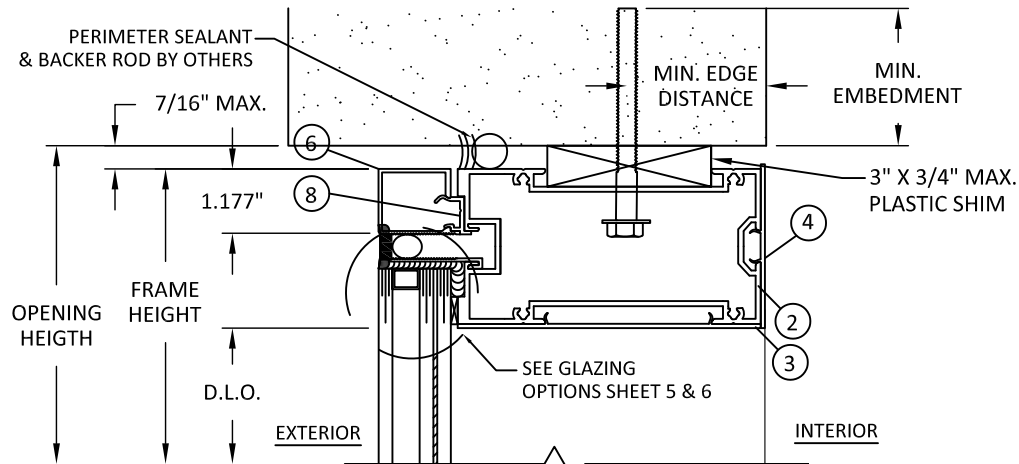
SCALE: **NTS**

DWG. #: **CGM009**

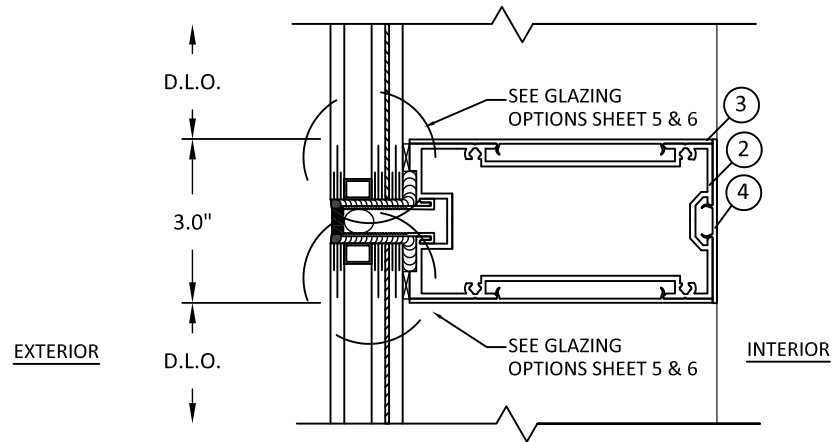
SHEET:
2
OF 12

12/20/2022 1:28 PM

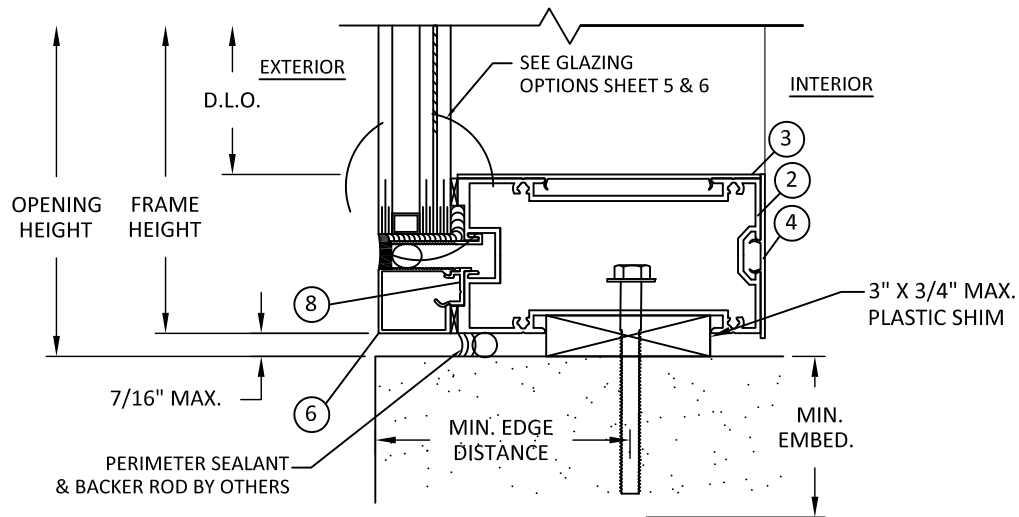
z:\projects\countryside glass & mirror, inc\lbc-21-1162 - lbc submittal - f131183 single span curtain wall system cs3000, f131183 twin span curtain wall cs3000\dwgs\egm009 recover.dwg



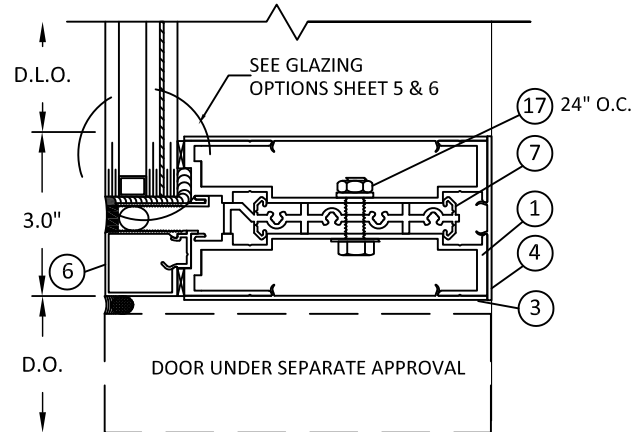
A
3 VERTICAL SECTION
HEAD - INSULATING GLASS



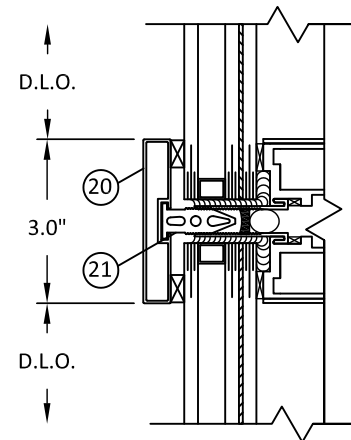
B
3 VERTICAL SECTION
HORIZONTAL INTEGRATED MULLION - INSULATING GLASS



C
3 VERTICAL SECTION
SILL - INSULATING GLASS



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



OPTIONAL APPLIED CAP

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.

**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
SINGLE SPAN SYSTEM CS3000
(WZ3)(IMPACT)

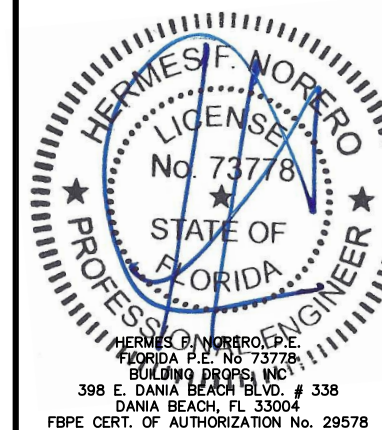
VERTICAL SECTIONS

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



REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN 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 #:
FL31183

DATE: **06.09.22**

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

SCALE: **NTS**

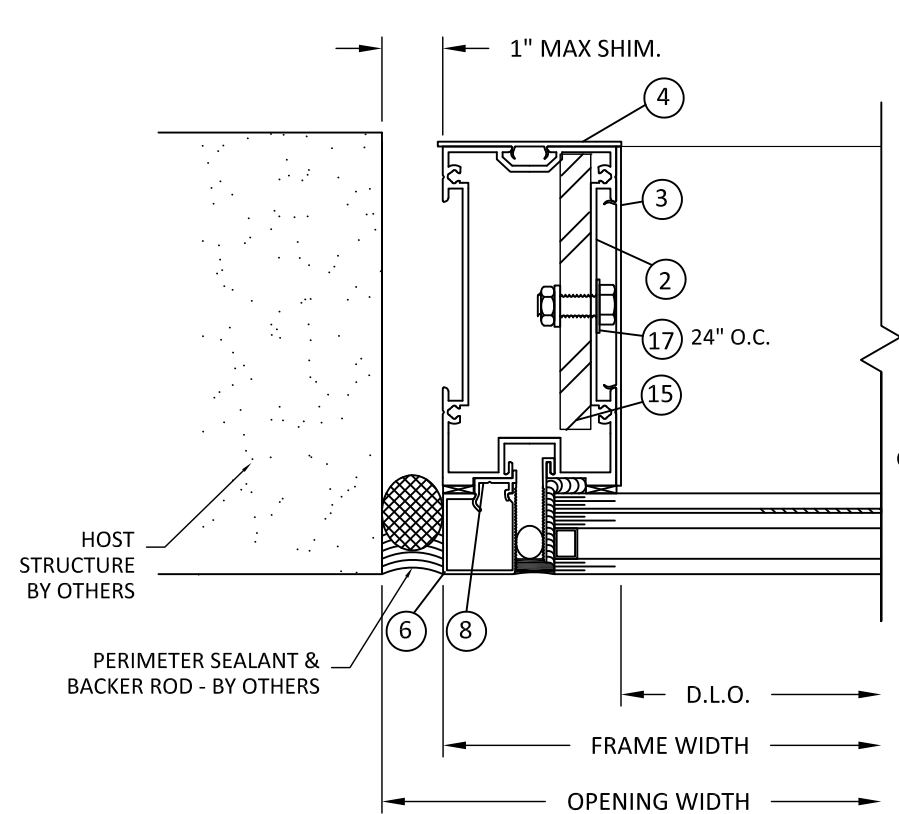
DWG. #: **CGM009**

SHEET:

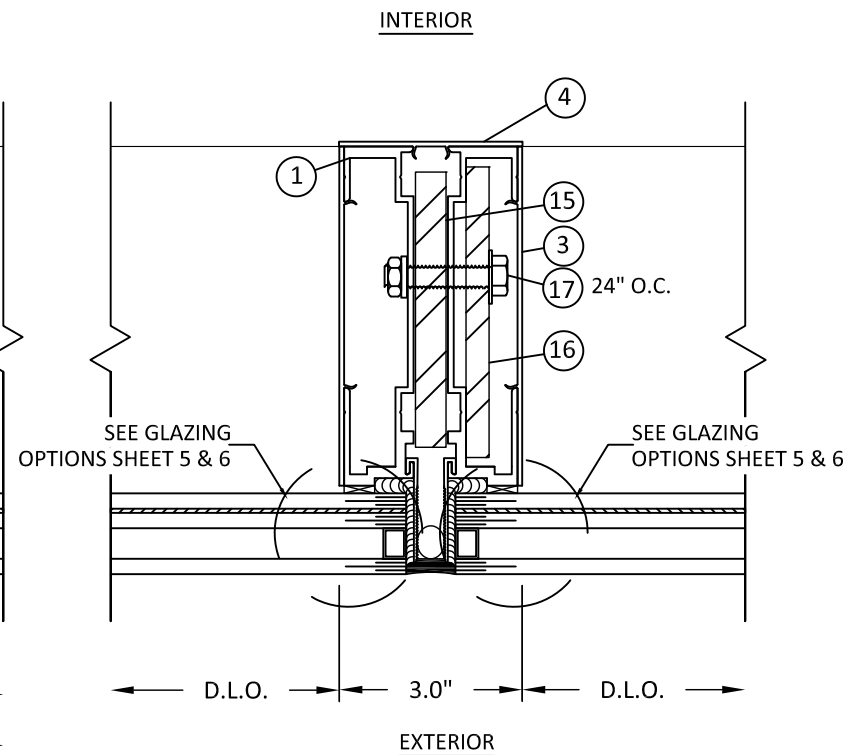
3

OF 12

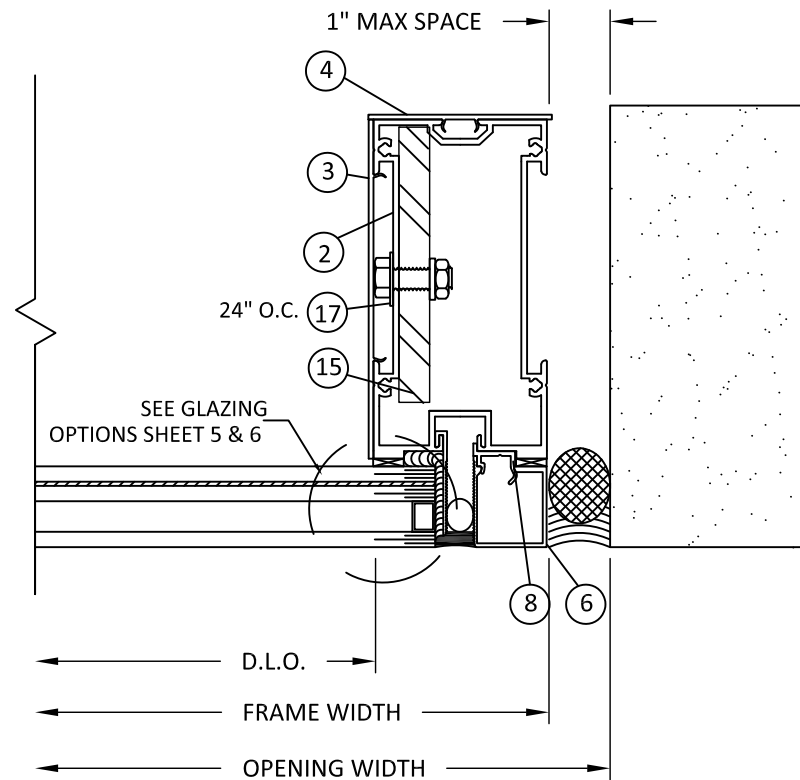
z:\projects\countryside glass & mirror, inc\fb\21-1162 - fbc submittal - f31183 single span curtain wall system cs3000, f31183 twin span curtain wall cs3000\dwgs\egm009 recover.dwg 12/20/2022 1:28 PM



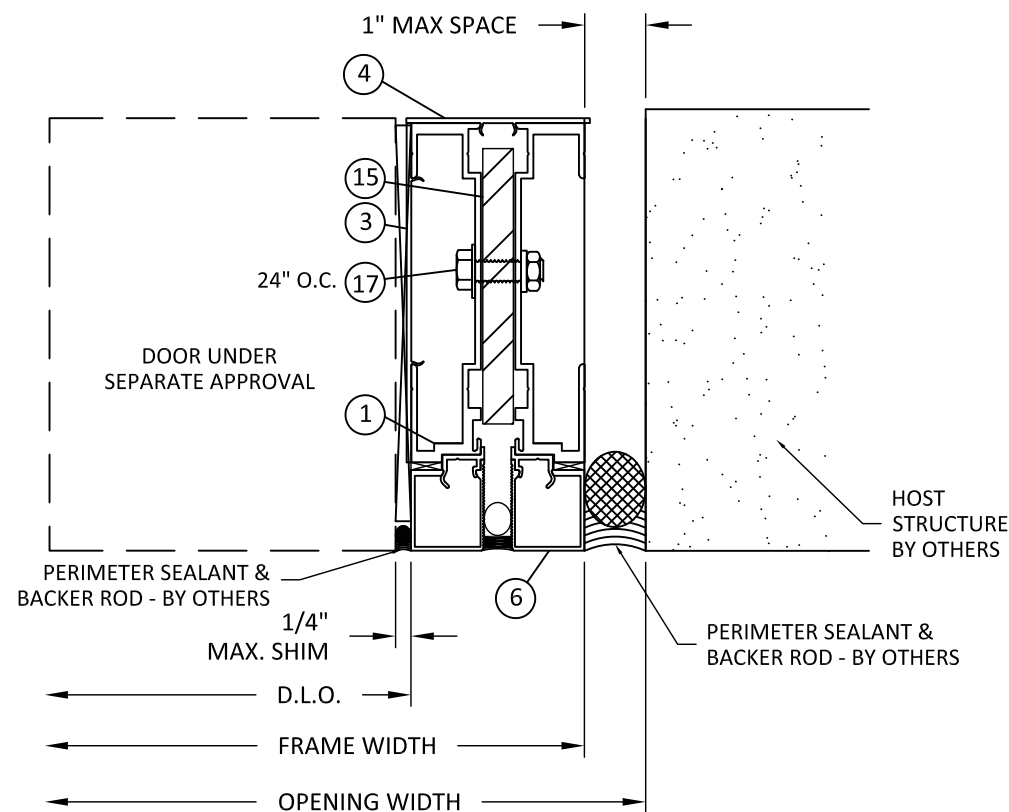
A
4 **HORIZONTAL SECTION**
JAMB - INSULATING GLASS



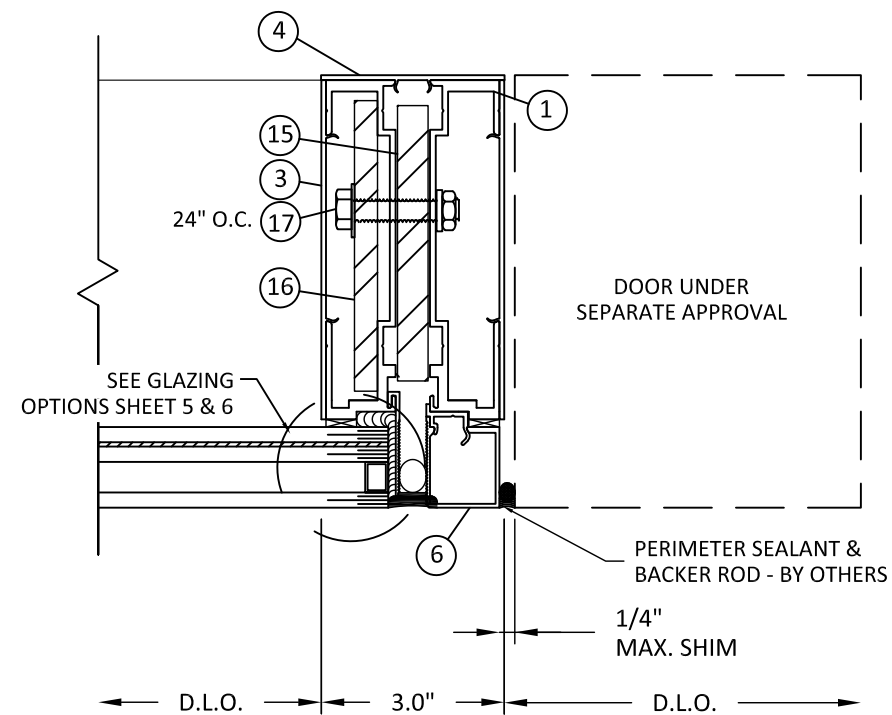
B
4 **HORIZONTAL SECTION**
VERTICAL INTERMEDIATE - INSULATING GLASS



E
4 **HORIZONTAL SECTION**
JAMB - INSULATING GLASS



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



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

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
SINGLE SPAN SYSTEM CS3000
(WZ3)(IMPACT)

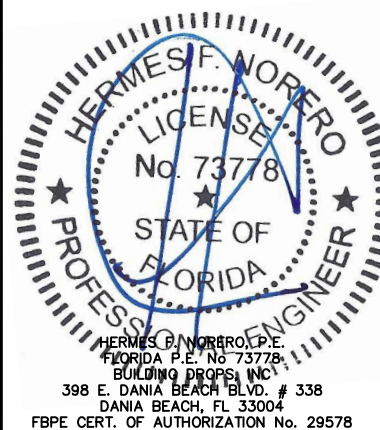
HORIZONTAL SECTIONS

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



REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN 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 #:	FL31183
DATE:	06.09.22
DWG. BY:	LL
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	CGM009
SHEET:	4

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.

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

EXTERIOR

15/16"
MIN. TYP.
GLASS BITE

5

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

EXTERIOR

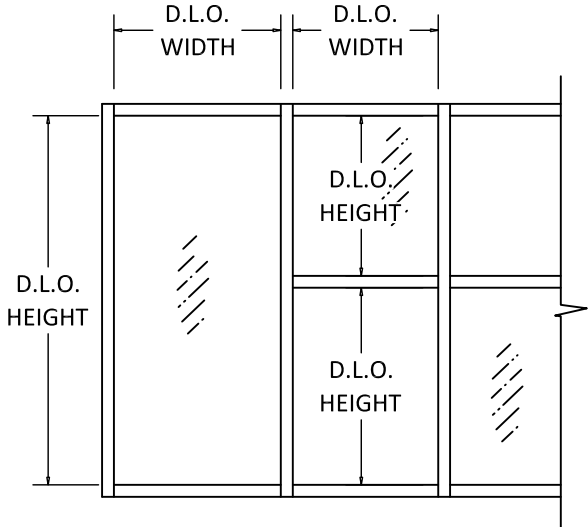
15/16"
MIN. TYP.
GLASS BITE

5

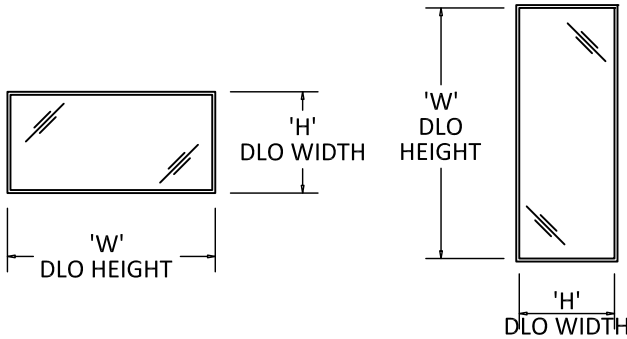
DOW CORNING 795
STRUCTURAL SILICONE
SEALANT (3/4" WIDTH,
3/8" DEPTH)

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

GLASS TYPE 'B'



PANEL DIMENSIONS
('W' ≥ 'H')



GLASS LOAD CAPACITY (PSF)			GLASS LOAD CAPACITY (PSF)			GLASS LOAD CAPACITY (PSF)		
DAYLIGHT OPENING DIMS. (in)		WET GLAZE 'A' & 'B'	DAYLIGHT OPENING DIMS. (in)		WET GLAZE 'A' & 'B'	DAYLIGHT OPENING DIMS. (in)		WET GLAZE 'A' & 'B'
DLO 'W'	DLO 'H'	EXT. (+) INT. (-)	DLO 'W'	DLO 'H'	EXT. (+) INT. (-)	DLO 'W'	DLO 'H'	EXT. (+) INT. (-)
36	36	80.0	36	66	80.0	36	96	80.0
42		80.0	42		80.0	42		80.0
48		80.0	48		80.0	48		80.0
54		80.0	54		80.0	54		80.0
60		80.0	60		80.0	60		80.0
66		80.0	66		80.0	66		80.0
72		80.0	72		80.0	72		80.0
78		80.0	78		80.0	78		-
84	42	80.0	84	72	80.0	84	102	-
90		80.0	90		80.0	90		-
36		80.0	36		80.0	36		80.0
42		80.0	42		80.0	42		80.0
48		80.0	48		80.0	48		80.0
54		80.0	54		80.0	54		80.0
60		80.0	60		80.0	60		80.0
66		80.0	66		80.0	66		80.0
72	48	80.0	72	78	80.0	72	108	-
78		80.0	78		80.0	78		-
84		80.0	84		80.0	84		-
90		80.0	90		80.0	90		-
36		80.0	36		80.0	36		80.0
42		80.0	42		80.0	42		80.0
48		80.0	48		80.0	48		80.0
54		80.0	54		80.0	54		80.0
60	54	80.0	60	84	80.0	60	114	80.0
66		80.0	66		80.0	66		-
72		80.0	72		80.0	72		-
78		80.0	78		75.9	78		-
84		80.0	84		75.9	84		-
90		80.0	90		75.9	90		-
36		80.0	36		80.0	36		80.0
42		80.0	42		80.0	42		80.0
48	60	80.0	48	90	80.0	48	118	80.0
54		80.0	54		80.0	54		80.0
60		80.0	60		80.0	60		-
66		80.0	66		80.0	66		-
72		80.0	72		80.0	72		-
78		80.0	78		75.9	78		-
84		80.0	84		-	84		-
90		80.0	90		-	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
SINGLE 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

THE INSTALLATION DETAILS DESCRIBED HERE IN 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.

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. #:

CGM009

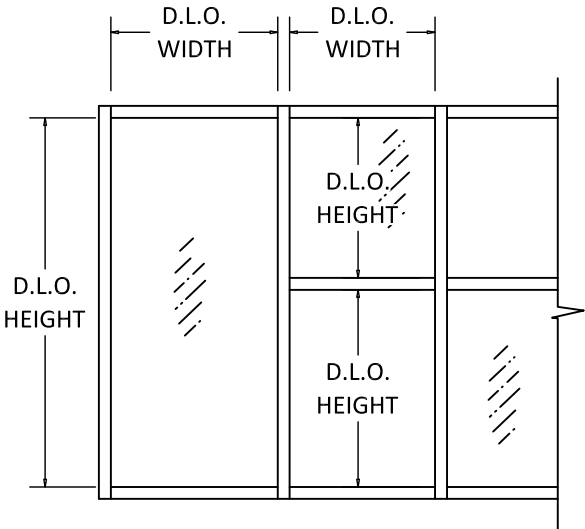
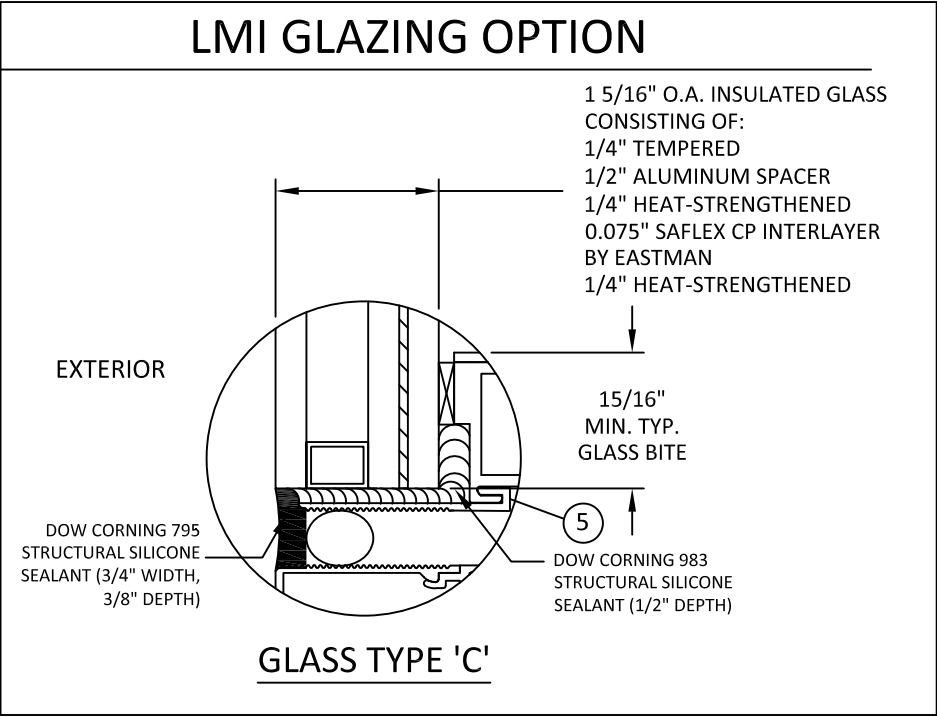
SHEET:

5

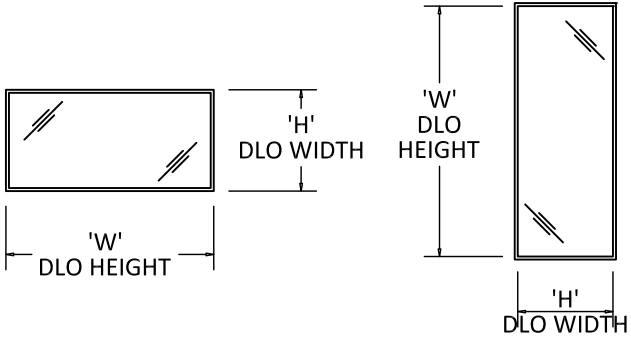
OF 12

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.



PANEL DIMENSIONS
('W' ≥ 'H')



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	65.0
42		65.0
48		65.0
54		65.0
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
SINGLE 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
THE INSTALLATION DETAILS DESCRIBED HERE IN 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.		

HERMES P. 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. #:	CGM009
SHEET:	6

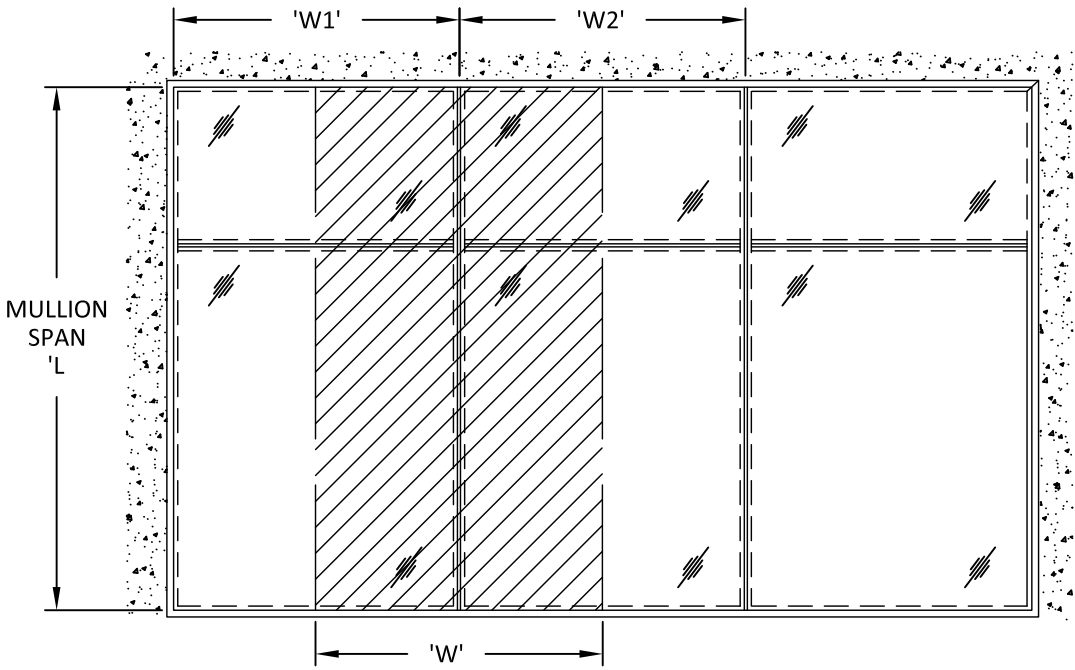
SINGLE SPAN VERTICAL MULLION CAPACITIES

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

SINGLE SPAN DESIGN PRESSURE TABLE (+/- PSF)			
MAX. SPAN 'L' (IN.)	MAX. TRIB. WIDTH 'W' (IN.)	M1	M2
36	120	80.0	80.0
42		80.0	80.0
48		80.0	80.0
54		80.0	80.0
60		80.0	80.0
66		80.0	80.0
72		80.0	80.0
36	126	80.0	80.0
42		80.0	80.0
48		80.0	80.0
54		80.0	80.0
60		80.0	80.0
66		80.0	80.0
72		80.0	80.0
36	132	80.0	80.0
42		80.0	80.0
48		80.0	80.0
54		80.0	80.0
60		80.0	80.0
66		80.0	80.0
72		80.0	80.0
36	138	80.0	80.0
42		80.0	80.0
48		80.0	80.0
54		80.0	80.0
60		80.0	80.0
66		80.0	80.0
72		80.0	80.0
36	144	80.0	80.0
42		80.0	80.0
48		80.0	80.0
54		80.0	80.0
60		80.0	80.0
66		80.0	80.0
72		80.0	80.0
36	150	80.0	80.0
42		80.0	80.0
48		80.0	80.0
54		80.0	80.0
60		80.0	80.0
66		80.0	80.0
72		80.0	80.0
36	156	80.0	80.0
42		80.0	80.0
48		80.0	80.0
54		80.0	80.0
60		80.0	80.0
66		73.4	73.4
72		67.3	67.3

VERTICAL MEMBER TWIN SPAN NOTES:

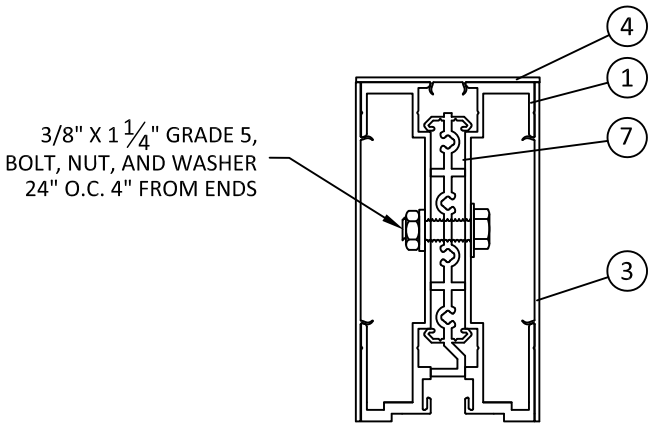
1. DETAILS AT RIGHT HAVE BEEN SHOWN FOR ILLUSTRATIVE PURPOSES. FOR DETAILS OF FULL ASSEMBLY PLEASE REFER TO APPLICABLE DETAILS ON SHEET 4.
2. TABULATED DESIGN PRESSURE VALUES ARE BASED ON LIMITATIONS OF DEFLECTION, FIBERSTRESS, & END REACTION PER MULLION SPAN ('L') AND MULLION SPACING ('W').
3. FOR SITE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



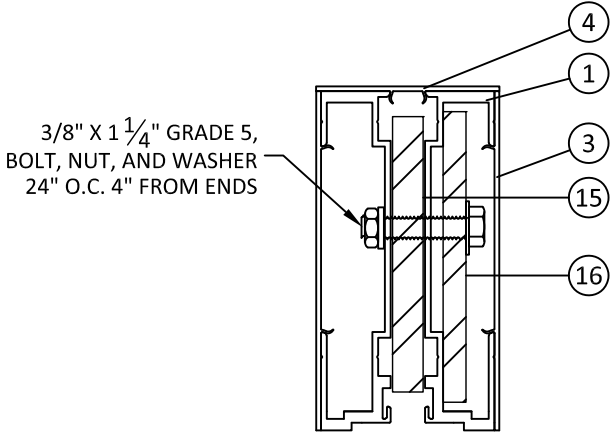
ELEVATION

MULLION SPACING OR BAY WIDTH, 'W'

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



M1
STANDARD VERTICAL
MULLION



M2
REINFORCED VERTICAL
DOOR MULLION

VERTICAL MULLIONS

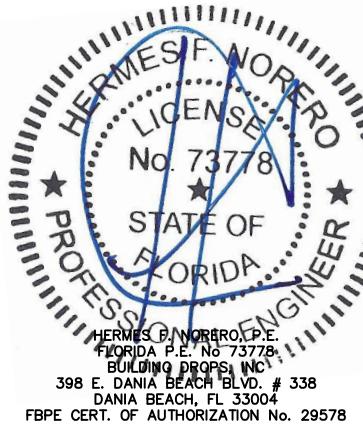
**Countryside
Glass & Mirror**
COUNTRYSIDE GLASS
& MIRROR, INC.
2650 GANDY BLVD NORTH.
ST. PETERSBURG, FL 33702
PH: (727)738-6000 FAX: (727)738-6100

TITLE: COUNTRYSIDE ARMOR WALL
SINGLE 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

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN 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.



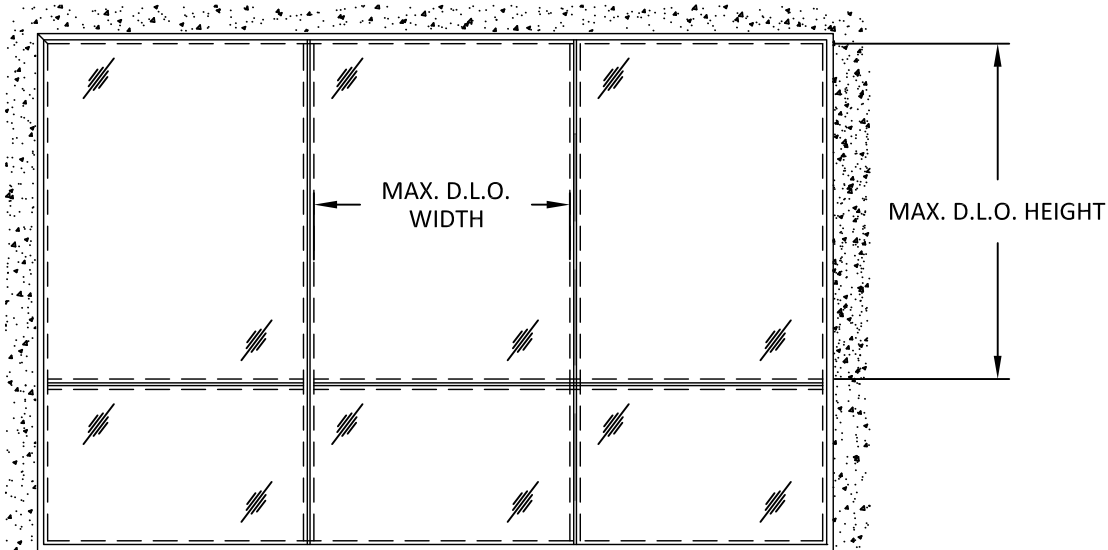
FL #:	FL31183
DATE:	06.09.22
DWG. BY:	LL
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	CGM009
SHEET:	7

HORIZONTAL MULLION CAPACITIES

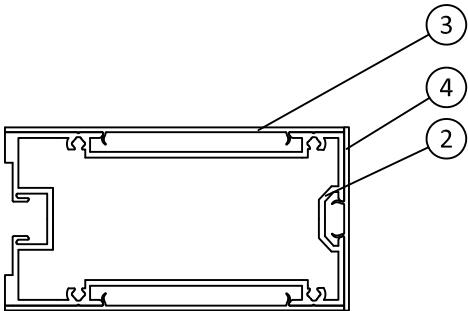
INTEGRATED HORIZONTAL MULLION		
MAX. D.L.O WIDTH (IN.)	MAX. D.L.O. HEIGHT ABOVE HORIZONTAL (IN.)	DESIGN PRESSURE (+/- PSF)
74	95.25	80

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.



ELEVATION



H1
INTEGRATED HORIZONTAL
MULLION

HORIZONTAL MULLIONS

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

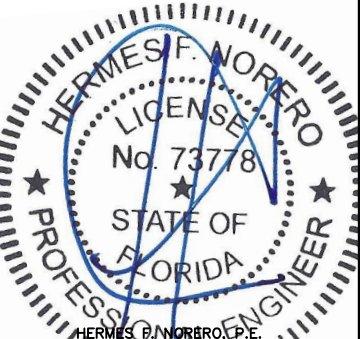
TITLE: COUNTRYSIDE ARMOR WALL
SINGLE SPAN SYSTEM CS3000
(WZ3)(IMPACT)
HORIZONTAL MULLION
CAPACITIES

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

**BUILDING DROPS**

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN 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.



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. #: **CGM009**

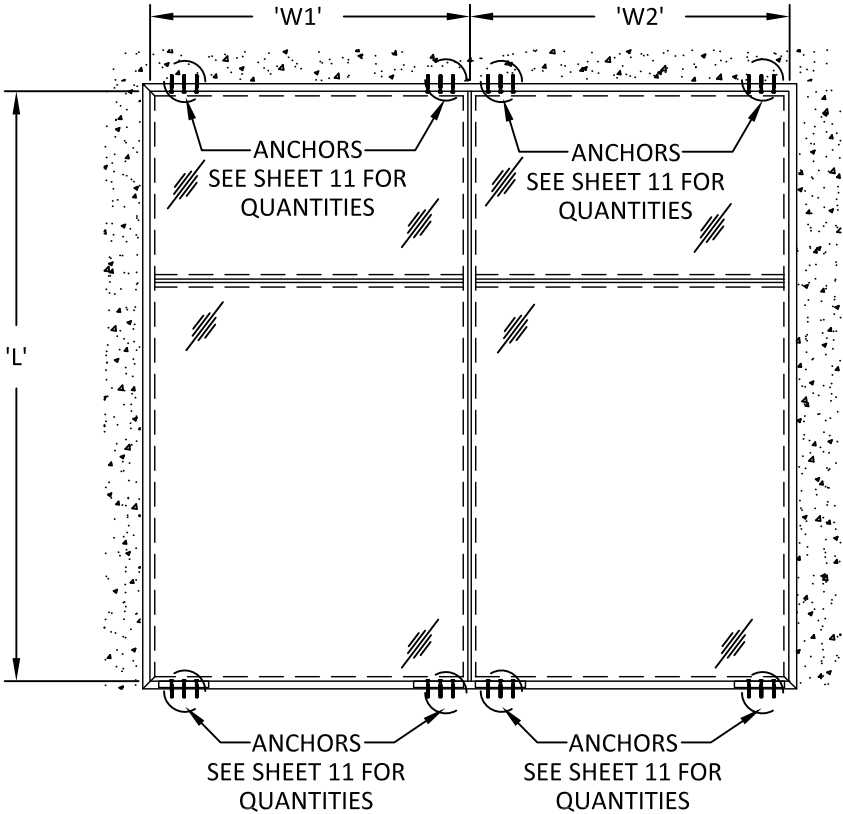
SHEET:
8

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.



SINGLE SPAN ANCHOR LAYOUT

TRIBUTARY WIDTH, 'W'

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

- 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.

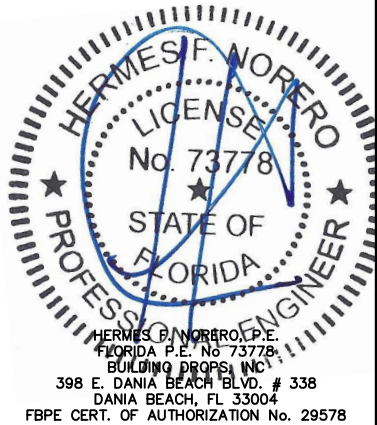
**Countryside
Glass & Mirror**
COUNTRYSIDE GLASS
& MIRROR, INC.
2650 GANDY BLVD NORTH.
ST. PETERSBURG, FL 33702
PH: (727)738-6000 FAX: (727)738-6100

COUNTRYSIDE ARMOR WALL
SINGLE SPAN SYSTEM CS3000
(WZ3)(IMPACT)
ANCHOR SCHEDULE

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

THE INSTALLATION DETAILS DESCRIBED HERE IN 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 #:
FL31183

DATE: **06.09.22**

DWG. BY:
LL

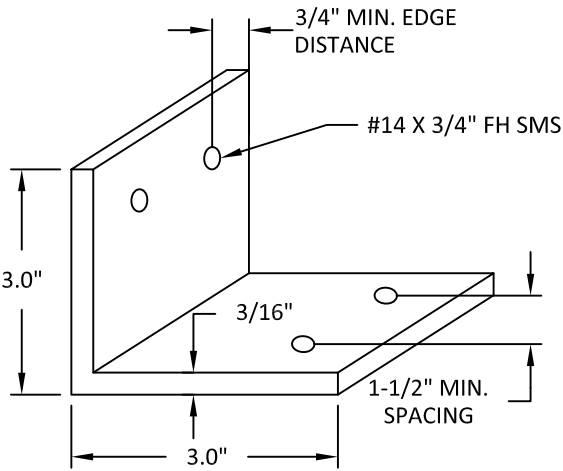
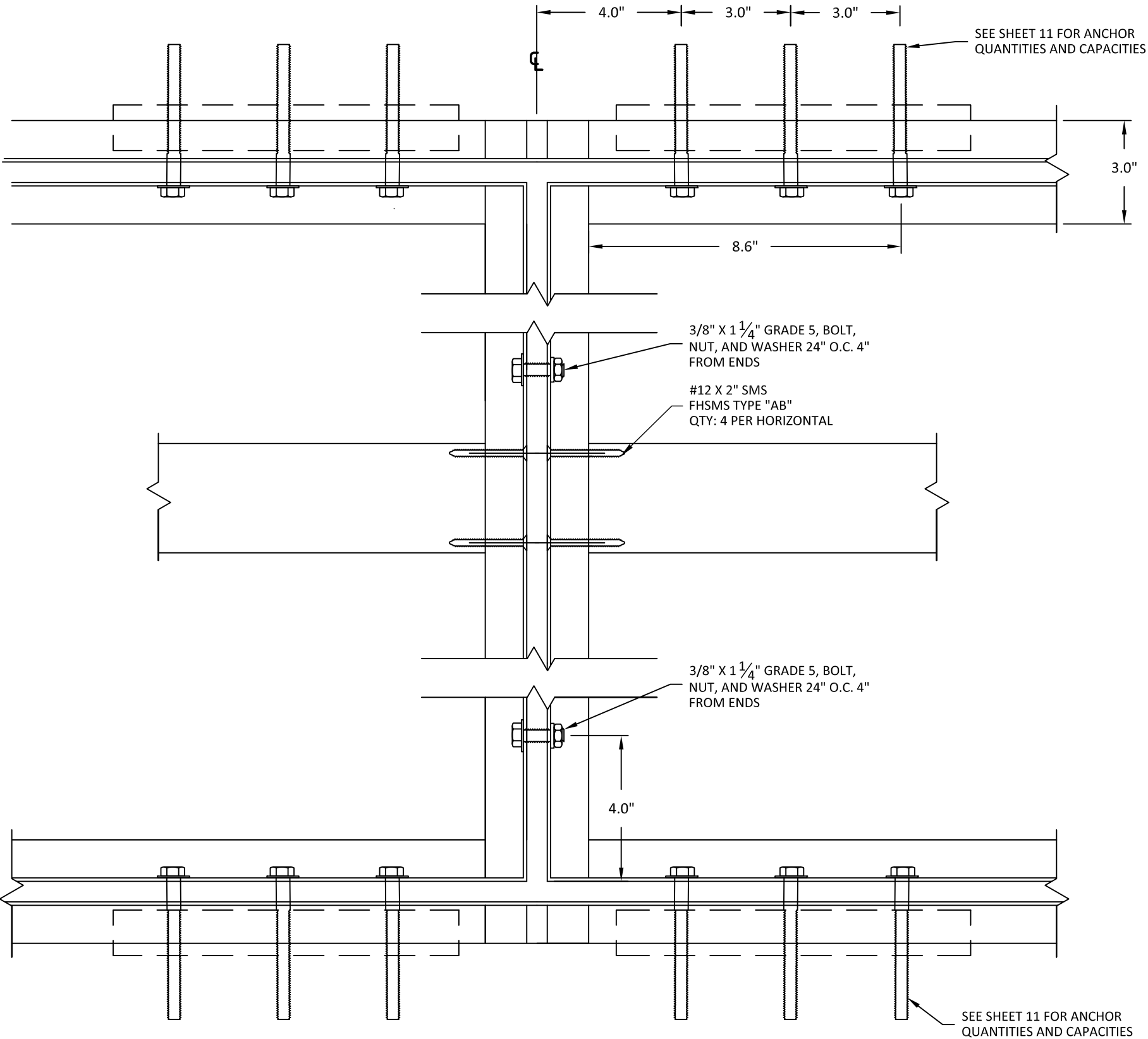
CHK. BY:
HFN

SCALE: **NTS**

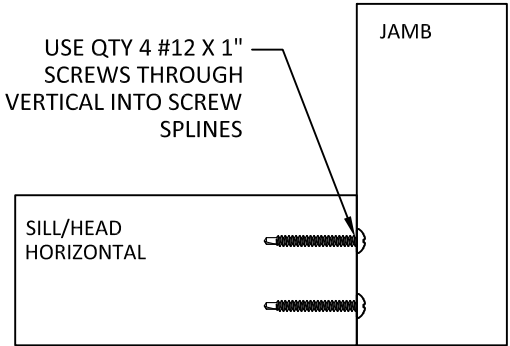
DWG. #: **CGM009**

SHEET:
9

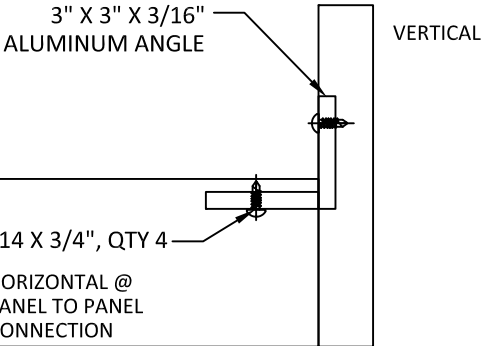
CONSTRUCTION DETAILS



CLIP DETAIL
ISOMETRIC VIEW (N.T.S.)



CORNER CONSTRUCTION
FRONT VIEW



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
SINGLE 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

B.D.
BUILDING DROPS

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN 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.

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

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

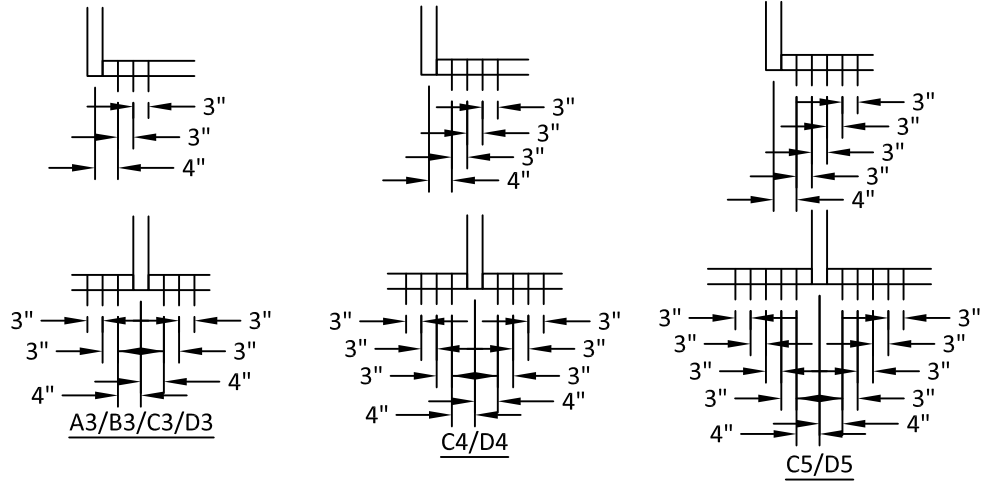
FL #:	FL31183
DATE:	06.09.22
DWG. BY:	LL
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	CGM009
SHEET:	10

12/20/2022 1:29 PM

z:\projects\countryside glass & mirror, inc\fbc submittal - f31183 single span curtain wall system cs3000, f31183 twin span curtain wall cs3000\dwgs\egm009 recover.dwg

SINGLE 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	77.0	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
114	74	80.0	80.0	68.7	80.0	80.0	40.7	54.2	67.8	150	74	80.0	80.0	51.5	68.7	80.0	30.5	40.7	50.8
	36	80.0	80.0	80.0	80.0	80.0	79.2	80.0	80.0		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
120	66	80.0	80.0	72.9	80.0	80.0	43.2	57.6	72.0	156	66	80.0	80.0	55.4	73.9	80.0	32.8	43.8	54.7
	74	80.0	80.0	65.1	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
	36	80.0	80.0	80.0	80.0	80.0	75.2	80.0	80.0		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
126	60	80.0	80.0	76.2	80.0	80.0	45.1	60.2	75.2	162	60	80.0	80.0	58.6	78.2	80.0	34.7	46.3	57.9
	66	80.0	80.0	69.3	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	61.8	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
	36	80.0	80.0	80.0	80.0	80.0	71.6	80.0	80.0		36	80.0	80.0	80.0	80.0	80.0	55.7	74.3	80.0
	42	80.0	80.0	80.0	80.0	80.0	61.4	80.0	80.0		42	80.0	80.0	80.0	80.0	80.0	47.8	63.7	79.6
	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
132	54	80.0	80.0	80.0	80.0	80.0	47.8	63.7	79.6	168	54	80.0	80.0	62.7	80.0	80.0	37.1	49.5	61.9
	60	80.0	80.0	72.6	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	66.0	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	58.9	78.5	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
	36	80.0	80.0	80.0	80.0	80.0	68.4	80.0	80.0		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
138	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	77.0	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	69.3	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	63.0	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	56.2	74.9	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
	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	73.6	80.0	80.0	43.6	58.1	72.7										
	60	80.0	80.0	66.3	80.0	80.0	39.2	52.3	65.4										
	66	80.0	80.0	60.3	80.0	80.0	35.7	47.6	59.5										
	74	80.0	80.0	53.7	71.7	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
SINGLE SPAN SYSTEM CS3000
(WZ3)(IMPACT)

ANCHOR CAPACITY CHARTS

PREPARED BY:
BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

PH: (954)399-8478

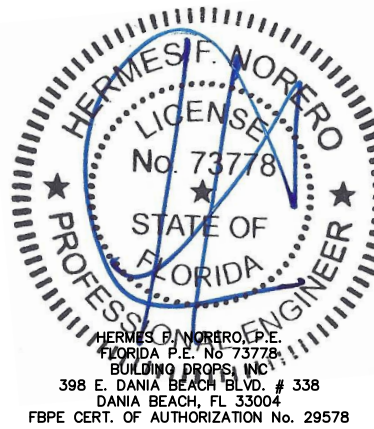
FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN 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 #:

FL31183

DATE: 06.09.22

DWG. BY:
LL

CHK. BY:
HFN

SCALE: NTS

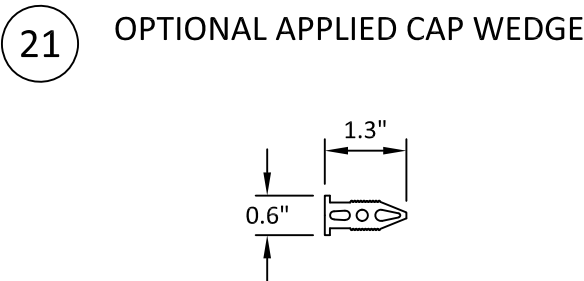
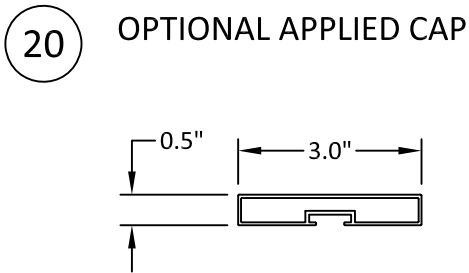
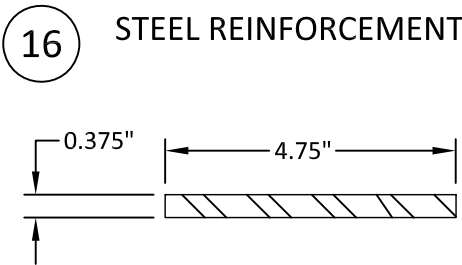
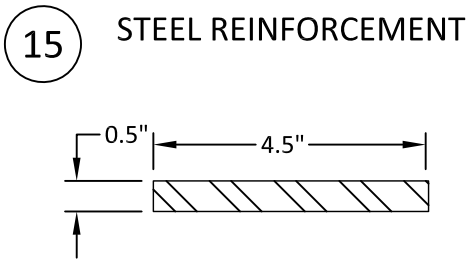
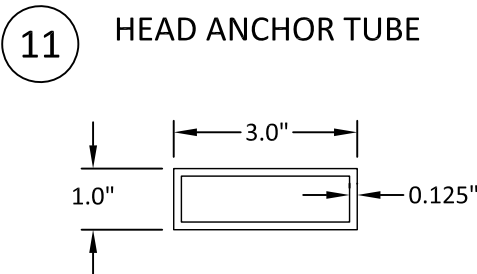
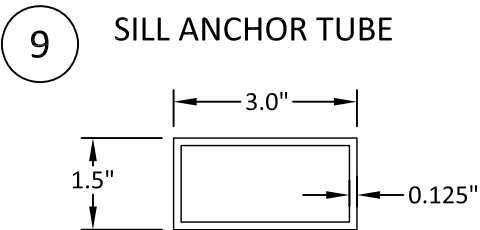
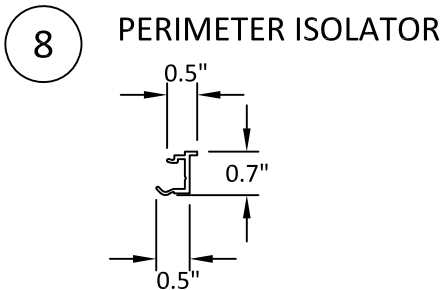
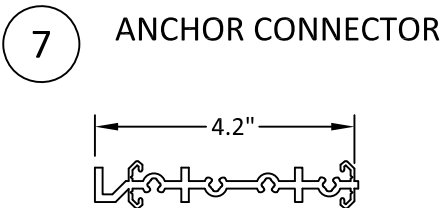
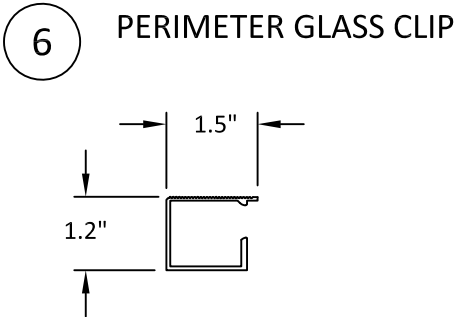
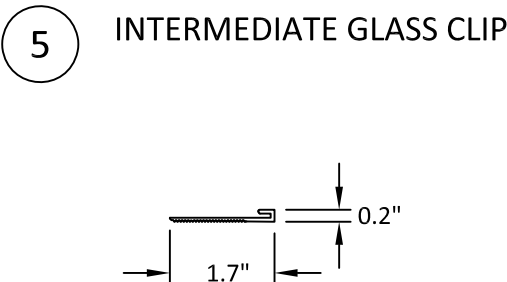
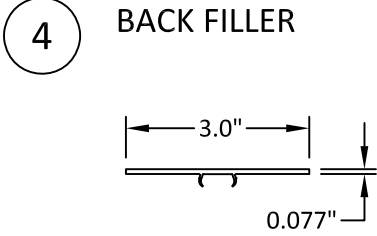
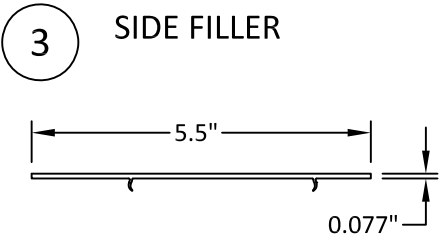
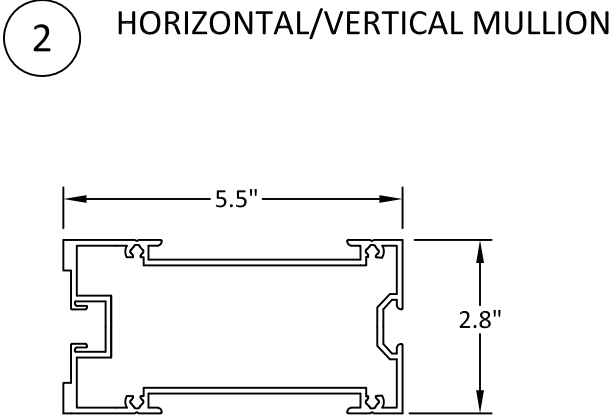
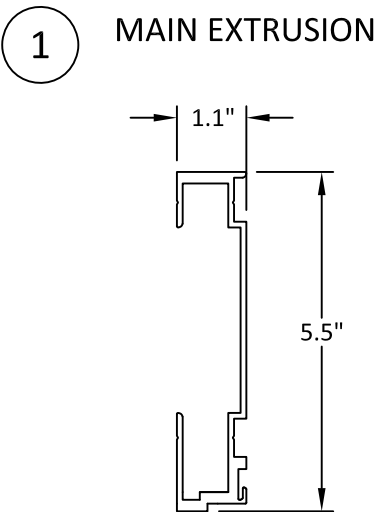
DWG. #: CGM009

SHEET:

11

OF 12

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	-

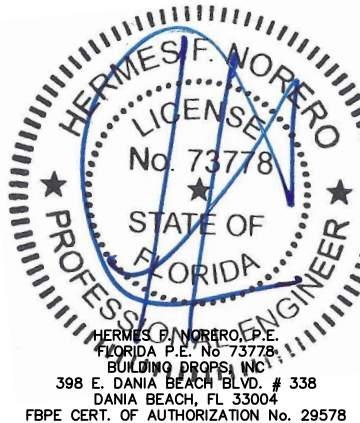


**Countryside
Glass & Mirror**
COUNTRYSIDE GLASS
& MIRROR, INC.
2650 GANDY BLVD NORTH.
ST. PETERSBURG, FL 33702
PH: (727)738-6000 FAX: (727)738-6100

TITLE: COUNTRYSIDE ARMOR WALL
SINGLE SPAN SYSTEM CS3000
(WZ3)(IMPACT)
COMPONENTS &
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

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN 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 #:
FL31183
DATE: **06.09.22**
DWG. BY: **LL** CHK. BY: **HFN**
SCALE: **NTS**
DWG. #: **CGM009**
SHEET:
12
OF 12