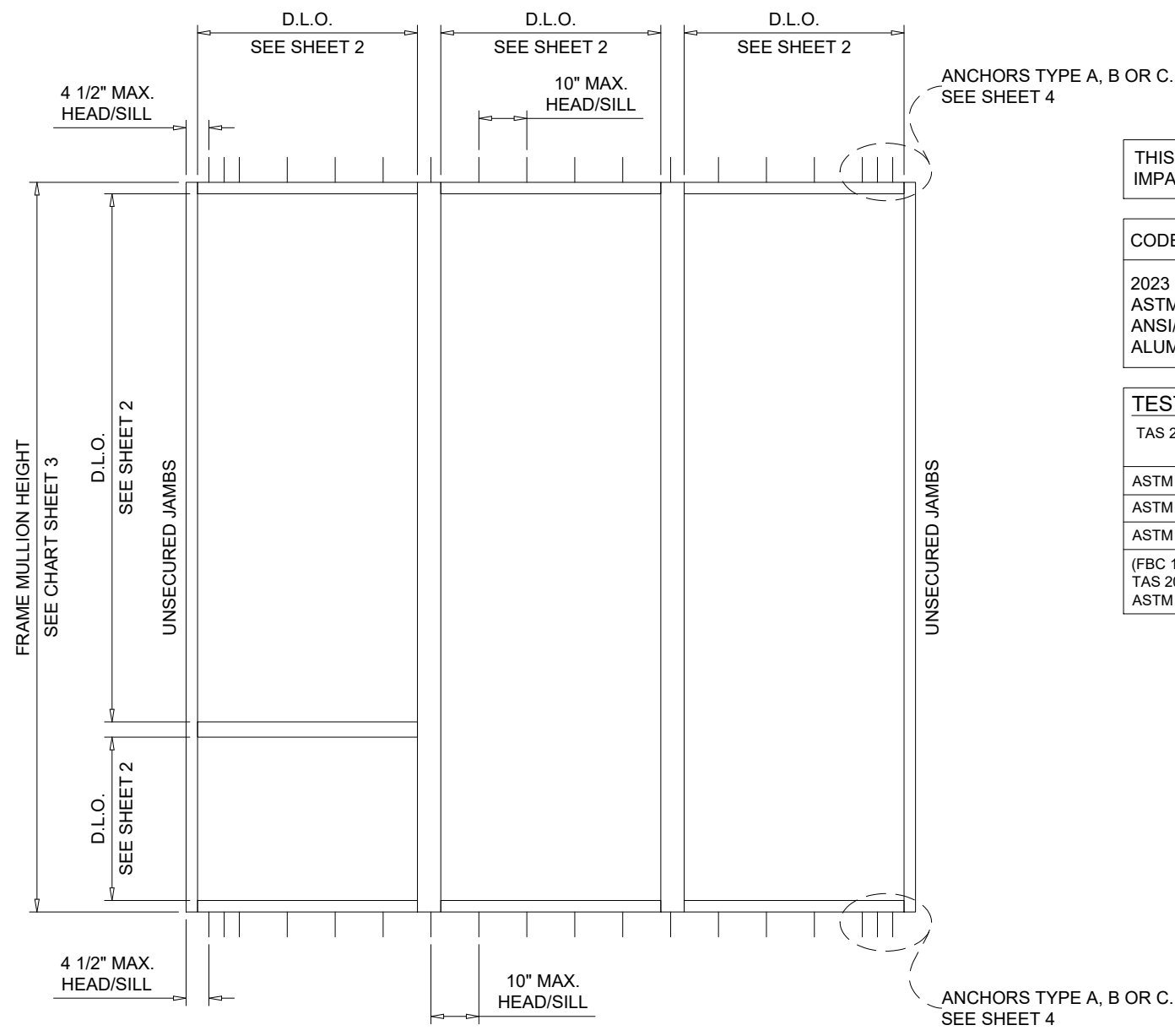


"450 SERIES" ALUMINUM STOREFRONT SYSTEM

LARGE MISSILE & SMALL MISSILE IMPACT • +45 / -63

FL #46902.1



THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANT

CODES / STANDARDS USED:

2023 FLORIDA BUILDING CODE (FBC), 8TH EDITION
ASTM E1300-16
ANSI/AF&PA NDS-2015 FOR WOOD CONSTRUCTION
ALUMINUM DESIGN MANUAL, ADM1-2020

TESTS PERFORMED:	
TAS 202	AIR INFILTRATION, WATER PENETRATION, STRUCTURAL
ASTM E283	AIR INFILTRATION LEAKAGE
ASTM E331	WATER PENETRATION
ASTM E330	UNIFORM STATIC AIR PRESS. (STRUCTURAL)
(FBC 1626.2 , HVHZ) TAS 201 & 203 ASTM E1886/E1996	LARGE MISSILE IMPACT & CYCLIC LEVEL D

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2023 FLORIDA BLDG. CODE SECTION 2003.8.4.

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 SHEETS 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE WIND DURATION.
- STEP 3
- CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 3, THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4
- USING CHART ON SHEET 4, SELECT ANCHOR OPTION 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.



Digitally signed by Christopher Stanton
Date: 2024.07.18 17:40:54 -04'00'

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

ENGINEER: STANTON ENGINEERING, INC.
2100 BOCCARATON BLVD SUITE #115
BOCA RATON, FL 33433
PHONE: 561-388-0007
FAX: 561-388-0008
E-MAIL: INFO@SEI-FL.COM
FL #68318

CHAMPION GLASS INC

4720 NW 15TH AVENUE, UNIT 4A,
FT. LAUDERDALE, FL. 33309
954-564-3435 · CHAMPION-GLASS.NET

PRODUCT:

"450 SERIES"
ALUM. STOREFRONT SYSTEM
(L.M.I. & S.M.I.)

PRODUCT APPROVAL #:

FL #46902.1

SCALE:

NOTED

DATE:

06/27/2024

DWG NO.

CHGL-450 SF-2024

SHEET No:

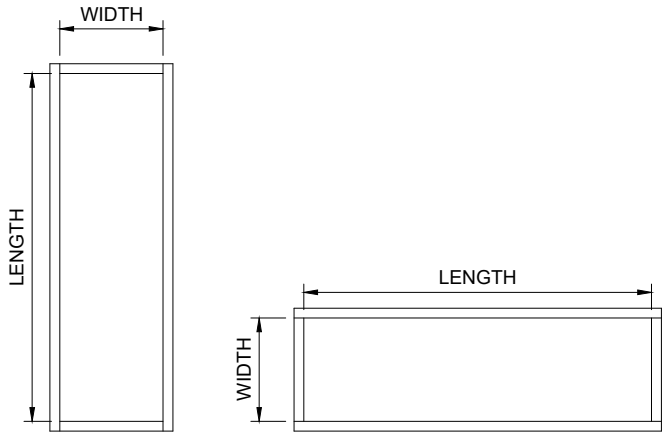
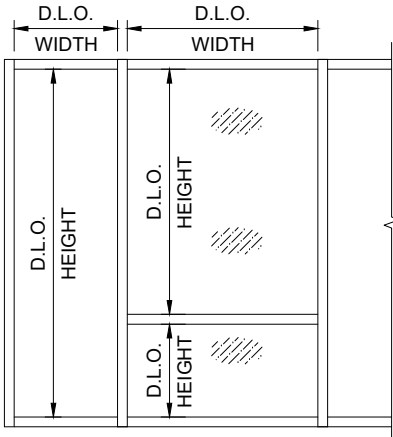
01 OF 08

GLASS LOAD CAPACITY - PSF					
NOMINAL DIMS.		GLASS 'A'		GLASS 'B'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
20"	68"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63
38"		45	63	45	63
44"		45	63	45	63
50"		45	63	45	63
56"		45	63	45	63
62"		45	63	45	63
68"		45	63	45	63
20"	74"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63
38"		45	63	45	63
44"		45	63	45	63
50"		45	63	45	63
56"		45	63	45	63
62"		45	63	45	63
20"	80"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63
38"		45	63	45	63
44"		45	63	45	63
50"		45	63	45	63
56"		45	63	45	63
20"	86"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63
38"		45	63	45	63
44"		45	63	45	63
50"		45	63	45	63
20"	92"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63
38"		45	63	45	63
44"		45	63	45	63
50"		45	63	45	63

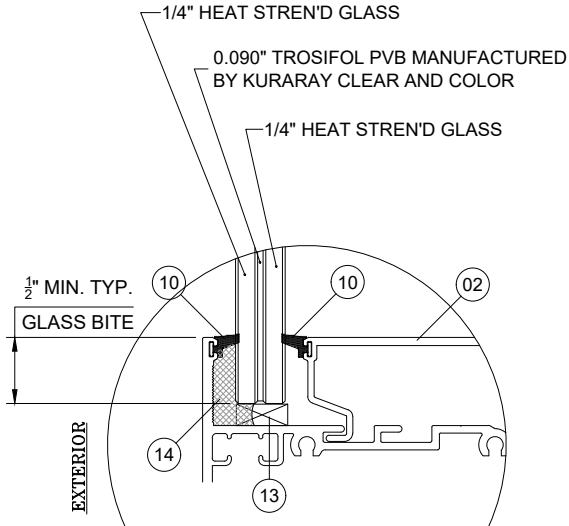
NOTE:
TESTED GLASS SIZE = 44-7/16" X104-1/4" = 32.2 SQ. FT.;
ALTERNATE GLASS SIZES ACCEPTABLE SO LONG AS
PROJECT AREA OF GLASS (SQ. FT.) DOES NOT
EXCEED TESTED AREA OF GLASS (SQ. FT.)

GLASS LOAD CAPACITY - PSF					
NOMINAL DIMS.		GLASS 'A'		GLASS 'B'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
20"	98"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63
38"		45	63	45	63
44"		45	63	45	63
20"	104"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63
38"		45	63	45	63
20"	110"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63
38"		45	63	45	63
20"	116"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63
38"		45	63	45	63
20"	122"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63
38"		45	63	45	63
20"	128"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63
20"	134"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63
20"	140"	45	63	45	63
26"		45	63	45	63
32"		45	63	45	63

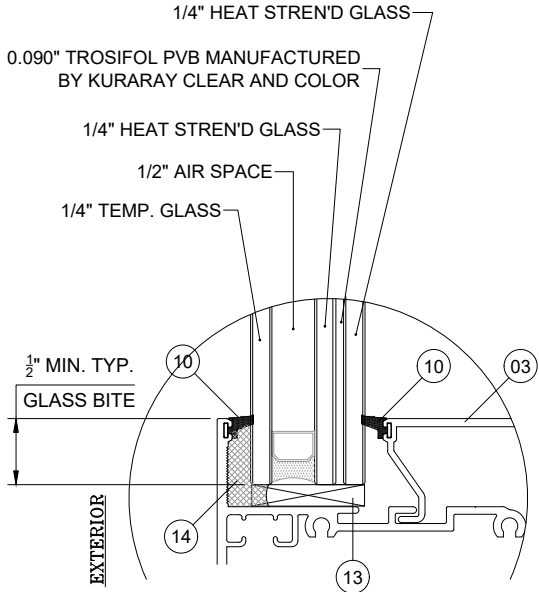
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-02 (3 SEC. GUSTS).



NOTE:
WIDTH AND LEGTH DIMENSIONS CAN
BE ORIENTED VERTICALLY OR
HORIZONTALLY AS SHOWN ABOVE.



GLASS TYPE 'A'
IMPACT "LAMINATED" GLASS



GLASS TYPE 'B'
IMPACT "LAMINATED INSULATED" GLASS

REVISIONS:		DESCRIPTION:	
NO	DATE		
1			
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ENGINEER:
STANTIS ENGINEERING, INC.
2100 BOCCARATON BLVD SUITE #115
BOCA RATON, FL 33498
P.E. #69316
FLORIDA
PROFESSIONAL ENGINEER

CHAMPION GLASS
INC
4720 NW 15TH AVENUE, UNIT 4A,
FT. LAUDERDALE, FL. 33309
954-564-3435 · CHAMPION-GLASS.NET

PRODUCT:
"450 SERIES"
ALUM. STOREFRONT SYSTEM
(L.M.I. & S.M.I.)

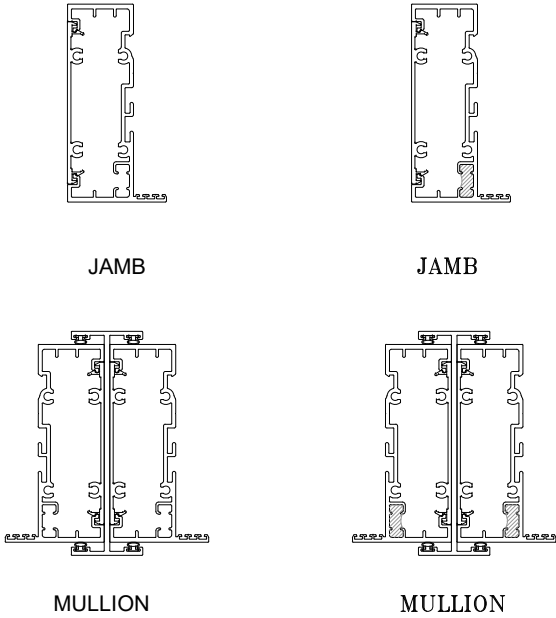
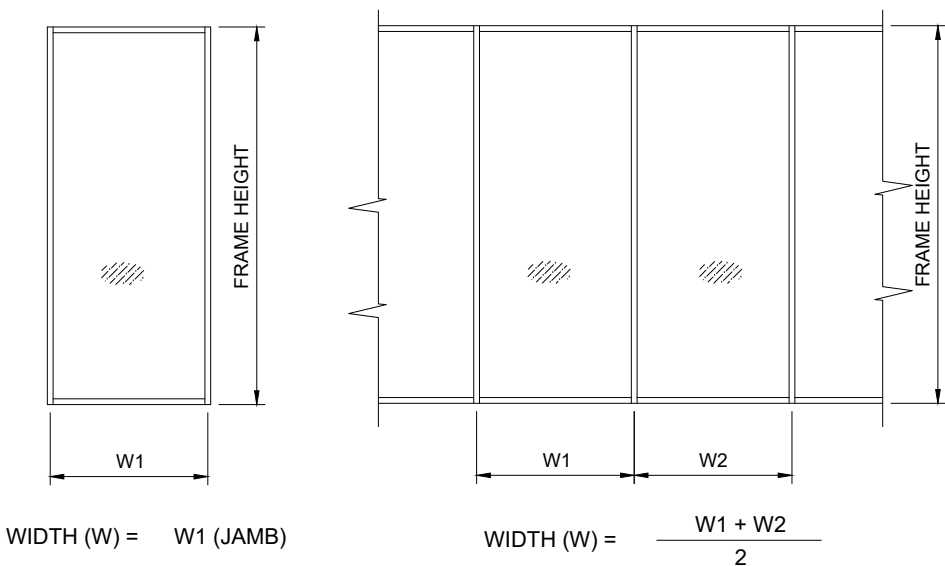
PRODUCT APPROVAL #:
FL #46902.1

SCALE: NOTED
DATE: 06/27/2024
DWG NO. CHGL-450 SF-2024

SHEET No:
02 OF 08

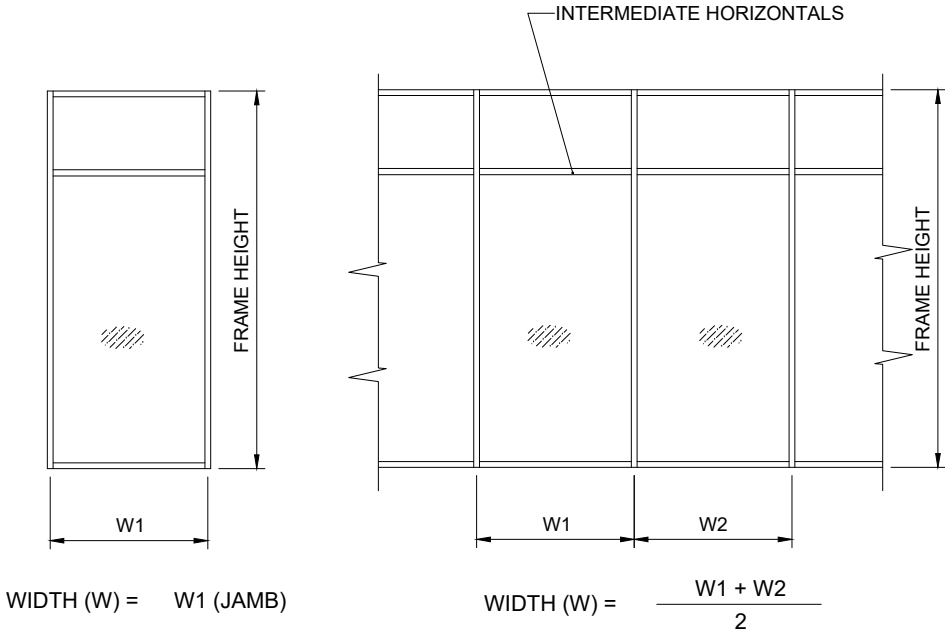
JAMB LOAD CAPACITY - PSF			
NOMINAL DIMS.		JAMB 'J1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	78"	45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
72"		45	63
30"	84"	45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
72"		45	63
30"	96"	45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
72"		45	63
30"	102"	45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
72"		45	63
24"	108"	45	63
30"		45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63

JAMB LOAD CAPACITY - PSF			
NOMINAL DIMS.		JAMB 'J1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
24"	114"	45	63
30"		45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	61
60"		45	55
66"		45	55
24"	120"	45	63
30"		45	63
36"		45	63
42"		45	63
48"		45	59
54"		45	53
60"		45	63
66"		45	63
24"	126"	45	63
30"		45	63
36"		45	63
42"		45	58
48"		45	51
54"		45	45
60"		45	63
66"		45	63
24"	132"	45	63
30"		45	63
36"		45	59
42"		45	50
48"		44	44
54"		45	63
60"		45	62
66"		45	52
24"	138"	45	63
30"		45	62
36"		45	52
42"		45	45
48"		39	39
54"		45	63
60"		45	55
66"		45	46
24"	144"	45	63
30"		45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63



MULLION LOAD CAPACITY - PSF			
NOMINAL DIMS.		MULLION 'M1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	78"	45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
72"		45	63
30"	84"	45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
72"		45	63
30"	96"	45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
72"		45	63
30"	102"	45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
72"		45	63
24"	108"	45	63
30"		45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63

MULLION LOAD CAPACITY - PSF			
NOMINAL DIMS.		MULLION 'M1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
24"	114"	45	63
30"		45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
24"	120"	45	63
30"		45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
24"	126"	45	63
30"		45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
24"	132"	45	63
30"		45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
24"	138"	45	63
30"		45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63
24"	144"	45	63
30"		45	63
36"		45	63
42"		45	63
48"		45	63
54"		45	63
60"		45	63
66"		45	63



REVISIONS:		DESCRIPTION:	
NO.	DATE	NO.	DATE
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10		10	

ENGINEER: STANTUM ENGINEERING, INC.
2100 OCCARATON BLVD SUITE #115
BOCA RATON, FL 33498
TEL: #603161
FAX: #603162
P.E. #603161

CHAMPION GLASS
INC
4720 NW 15TH AVENUE, UNIT 4A,
FT. LAUDERDALE, FL. 33309
954-564-3435 · CHAMPION-GLASS.NET

PRODUCT: "450 SERIES"
ALUM. STOREFRONT SYSTEM
(L.M.I. & S.M.I.)

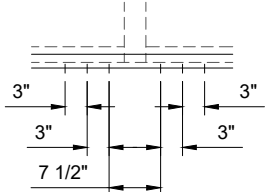
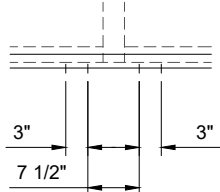
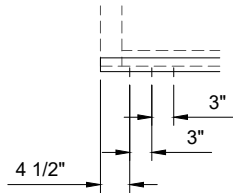
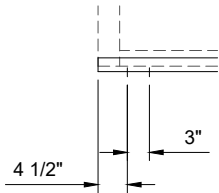
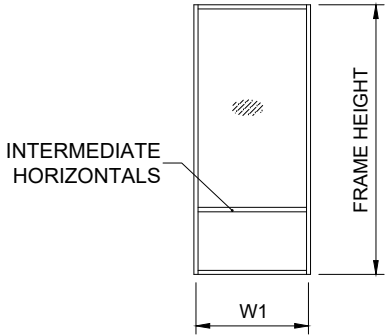
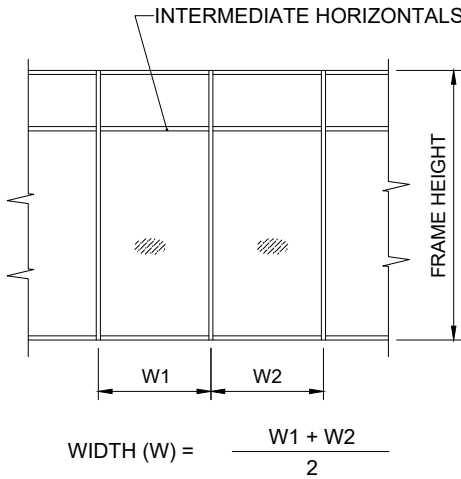
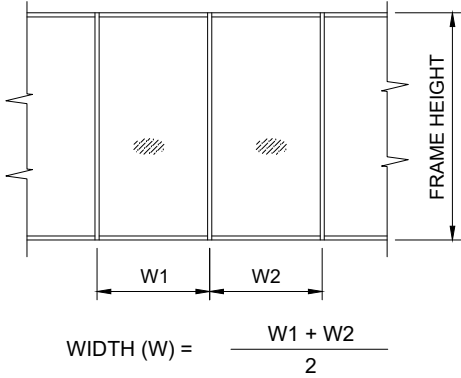
PRODUCT APPROVAL #:
FL #46902.1

SCALE: NOTED
DATE: 06/27/2024
DWG NO.: CHGL-450 SF-2024

SHEET No:
03 OF 08

MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.		ANCHORS TYPES			
WIDTH (W)	FRAME HEIGHT	'A2'	'AA2'	'B2'	'C2'
24"	78"	63	63	63	63
30"		63	63	63	63
36"		63	63	63	63
42"		52.2	63	63	63
48"		54.5	63	63	63
54"		48.4	58	63	63
60"		43.6	52.2	63	63
66"		39.6	47.4	63	63
72"		36.3	43.5	63	61.9
24"	84"	63	63	63	63
30"		63	63	63	63
36"		63	63	63	63
42"		57.8	63	63	63
48"		50.6	56.5	63	63
54"		45	50.3	63	63
60"		40.5	45.2	63	63
66"		36.8	41.1	63	58.6
72"		33.7	37.7	63	53.7
24"	90"	63	63	63	63
30"		63	63	63	63
36"		62.9	63	63	63
42"		53.9	63	63	63
48"		47.2	56.5	63	63
54"		42	50.3	63	63
60"		37.8	45.2	63	63
66"		34.3	41.1	63	58.6
72"		31.5	37.7	63	53.7
24"	96"	63	63	63	63
30"		63	63	63	63
36"		59	63	63	63
42"		50.6	60.6	63	63
48"		44.3	53	63	63
54"		39.9	47.1	63	63
60"		35.4	42.4	63	60.4
66"		32.2	38.5	63	54.9
72"		29.5	35.3	63	50.3
24"	102"	63	63	63	63
30"		63	63	63	63
36"		55.5	63	63	63
42"		47.6	57	63	63
48"		41.6	49.9	63	63
54"		37	44.3	63	63
60"		33.3	39.9	63	56.8
66"		30.3	36.3	63	51.7
24"	108"	63	63	63	63
30"		62.9	63	63	63
36"		52.4	62.8	63	63
42"		45	53.8	63	63
48"		39.3	47.1	63	63
54"		35	41.9	63	59.7
60"		31.5	37.7	63	53.7

MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.		ANCHORS TYPES			
WIDTH (W)	FRAME HEIGHT	'A2'	'AA2'	'B2'	'C2'
24"	114"	63	63	63	63
30"		59.6	63	63	63
36"		49.7	59.5	63	63
42"		42.6	51	63	63
48"		37.3	44.6	63	63
54"		33.1	39.7	63	56.5
60"		29.8	35.7	63	50.9
24"	120"	63	63	63	63
30"		56.6	63	63	63
36"		47.2	56.5	63	63
42"		40.5	48.5	63	63
48"		35.4	42.4	63	60.4
54"		31.5	37.7	63	53.7
24"	126"	63	63	63	63
30"		53.9	63	63	63
36"		45	53.8	63	63
42"		38.5	46.1	63	63
48"		33.7	40.4	63	57.5
54"		30	35.9	63	51.1
24"	132"	63	63	63	63
30"		51.5	61.7	63	63
36"		24.9	51.4	63	63
42"		36.8	44.1	63	62.8
48"		32.2	38.5	63	54.9
24"	138"	61.6	63	63	63
30"		49.3	59	63	63
36"		41	49.2	63	63
42"		35.2	42.1	63	60
48"		30.8	36.9	63	52.5
24"	144"	59	63	63	63
30"		47.2	56.5	63	63
36"		39.3	47.1	63	63
42"		33.7	40.4	63	57.5
48"		29.5	35.3	63	50.3



A2, B2, C2

A3, B3, C3

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' 1/4" ITW TAPCONS OR DEWALT ULTRACON+ INTO 2BY WOOD BUCKS OR WOOD STRUCTURES (NO. 2 SOUTHERN YELLOW PINE) 1-1/2" MIN. PENETRATION INTO WOOD

TYPE 'AA' 1/4" ITW TAPCONS OR DEWALT ULTRACON+ DIRECTLY INTO CBS (GROUT FILLED OR HOLLOW) 1-3/4" MIN. EMBEDMENT OR THRU 1BY WOOD BUCKS INTO CBS 1-1/4" MIN. EMBED INTO HOLLOW BLOCK 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCK

TYPE 'B' 1/4" ITW TAPCONS OR DEWALT ULTRACON+ DIRECTLY INTO 3000 PSI MIN. CONCRETE 1-3/4" MIN. EMBED INTO CONC.

OR THRU 1BY WOOD BUCKS INTO CONC. 1-3/4" MIN. EMBED INTO CONCRETE

TYPE 'C' #14 SMS OR 1/4" SELF DRILLING SCREWS INTO METAL STRUCTURES (STEEL OR ALUMINUM) MIN. (3) THREADS THROUGH METAL THICKNESS STEEL : 18 GA MIN. ALUMINUM : .080" THICK, 6063-T6 MIN.

TYPICAL ANCHOR EDGE DISTANCE INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN. INTO METAL STRUCTURE = 1/2" MIN.

NOTE:
ALTERNATE ANCHOR TYPES/ CONDITIONS SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER FOR PROJECT SPECIFIC DESIGN CRITERIA BASED ON SEALANT MANUFACTURERS' TECHNICAL DATA.

WOOD BUCKS AND METAL STRUCTURES, NOT BY CHAMPION GLASS, MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE. FRAME BITE INSIDE RECEPTORS MIN. 7/16".

REVISIONS:		DESCRIPTION:	
NO	DATE		
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ENGINEER: STANTIS ENGINEERING, INC.
2100 BOCCARATON BLVD SUITE #115
BOCA RATON, FL 33498
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FLORIDA PROFESSIONAL ENGINEER

CHAMPION GLASS INC
4720 NW 15TH AVENUE, UNIT 4A,
FT. LAUDERDALE, FL. 33309
954-564-3435 · CHAMPION-GLASS.NET

PRODUCT: "450 SERIES"
ALUM. STOREFRONT SYSTEM
(L.M.I. & S.M.I.)

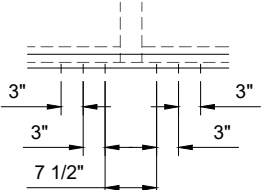
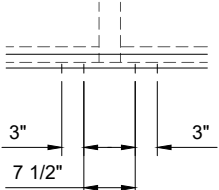
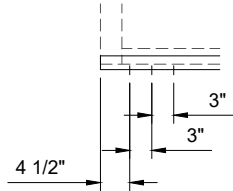
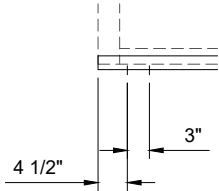
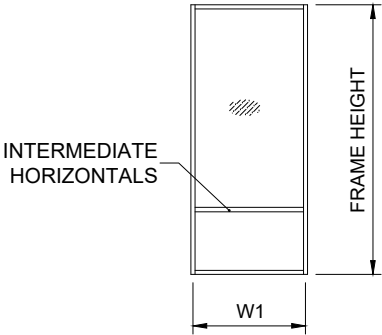
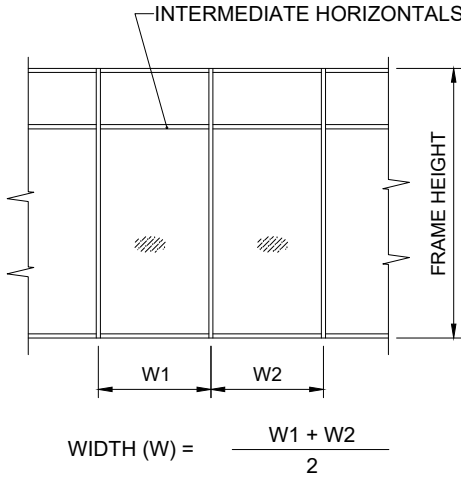
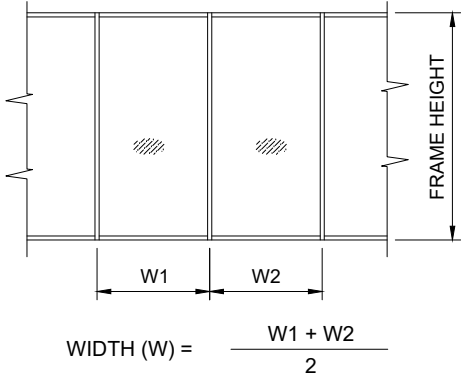
PRODUCT APPROVAL #:
FL #46902.1

SCALE: NOTED
DATE: 06/27/2024
DWG NO. CHGL-450 SF-2024

SHEET No:
04 OF 08

MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.		ANCHORS TYPES			
WIDTH (W)	FRAME HEIGHT	'A3'	'AA3'	'B3'	'C3'
24"	78"	63	63	63	63
30"		63	63	63	63
36"		63	63	63	63
42"		63	63	63	63
48"		63	63	63	63
54"		63	63	63	63
60"		63	63	63	63
66"		59.4	63	63	63
72"		54.5	63	63	63
24"	84"	63	63	63	63
30"		63	63	63	63
36"		63	63	63	63
42"		63	63	63	63
48"		63	63	63	63
54"		63	63	63	63
60"		60.7	63	63	63
66"		55.2	63	63	63
72"		50.6	60.6	63	63
24"	90"	63	63	63	63
30"		63	63	63	63
36"		63	63	63	63
42"		63	63	63	63
48"		63	63	63	63
54"		62.9	63	63	63
60"		56.6	63	63	63
66"		51.5	61.7	63	63
72"		47.2	56.5	63	63
24"	96"	63	63	63	63
30"		63	63	63	63
36"		63	63	63	63
42"		63	63	63	63
48"		63	63	63	63
54"		59	63	63	63
60"		53.1	63	63	63
66"		48.3	57.8	63	63
72"		44.3	53	63	63
24"	102"	63	63	63	63
30"		63	63	63	63
36"		63	63	63	63
42"		63	63	63	63
48"		62.5	63	63	63
54"		55.5	63	63	63
60"		50	59.9	63	63
66"		45.4	54.4	63	63
24"	108"	63	63	63	63
30"		63	63	63	63
36"		63	63	63	63
42"		63	63	63	63
48"		59	63	63	63
54"		52.4	62.8	63	63
60"		47.2	56.5	63	63

MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.		ANCHORS TYPES			
WIDTH (W)	FRAME HEIGHT	'A3'	'AA3'	'B3'	'C3'
24"	114"	63	63	63	63
30"		63	63	63	63
36"		63	63	63	63
42"		63	63	63	63
48"		55.9	63	63	63
54"		49.7	59.5	63	63
60"		44.7	53.6	63	63
24"	120"	63	63	63	63
30"		63	63	63	63
36"		63	63	63	63
42"		60.7	63	63	63
48"		53.1	63	63	63
54"		47.2	56.5	63	63
24"	126"	63	63	63	63
30"		63	63	63	63
36"		63	63	63	63
42"		57.8	63	63	63
48"		50.6	60.6	63	63
54"		45	53.8	63	63
24"	132"	63	63	63	63
30"		63	63	63	63
36"		63	63	63	63
42"		55.2	63	63	63
48"		48.3	57.8	63	63
24"	138"	63	63	63	63
30"		63	63	63	63
36"		61.6	63	63	63
42"		52.8	63	63	63
48"		46.2	55.3	63	63
24"	144"	63	63	63	63
30"		63	63	63	63
36"		59	63	63	63
42"		50.6	60.6	63	63
48"		44.3	53	63	63



A2, B2, C2

A3, B3, C3

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' 1/4" ITW TAPCONS OR DEWALT ULTRACON+ INTO 2BY WOOD BUCKS OR WOOD STRUCTURES (NO. 2 SOUTHERN YELLOW PINE) 1-1/2" MIN. PENETRATION INTO WOOD

TYPE 'AA' 1/4" ITW TAPCONS OR DEWALT ULTRACON+ DIRECTLY INTO CBS (GROUT FILLED OR HOLLOW) 1-3/4" MIN. EMBEDMENT OR

THRU 1BY WOOD BUCKS INTO CBS 1-1/4" MIN. EMBED INTO HOLLOW BLOCK 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCK

TYPE 'B' 1/4" ITW TAPCONS OR DEWALT ULTRACON+ DIRECTLY INTO 3000 PSI MIN. CONCRETE 1-3/4" MIN. EMBED INTO CONC.

OR THRU 1BY WOOD BUCKS INTO CONC. 1-3/4" MIN. EMBED INTO CONCRETE

TYPE 'C' #14 SMS OR 1/4" SELF DRILLING SCREWS INTO METAL STRUCTURES (STEEL OR ALUMINUM) MIN. (3) THREADS THROUGH METAL THICKNESS STEEL : 18 GA MIN. ALUMINUM : .080" THICK, 6063-T6 MIN.

TYPICAL ANCHOR EDGE DISTANCE INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN. INTO METAL STRUCTURE = 1/2" MIN.

NOTE:
ALTERNATE ANCHOR TYPES/ CONDITIONS SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER FOR PROJECT SPECIFIC DESIGN CRITERIA BASED ON SEALANT MANUFACTURERS' TECHNICAL DATA.

WOOD BUCKS AND METAL STRUCTURES, NOT BY CHAMPION GLASS, MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE. FRAME BITE INSIDE RECEPTORS MIN. 7/16".

REVISIONS:		DESCRIPTION:	
NO	DATE		
1			
2			
3			
4			
5			

ENGINEER: STANTIS ENGINEERING, INC.
210 S. BAY ST. SUITE #115
FORT LAUDERDALE, FL 33309
P.E. #69318
FLORIDA PROFESSIONAL ENGINEER

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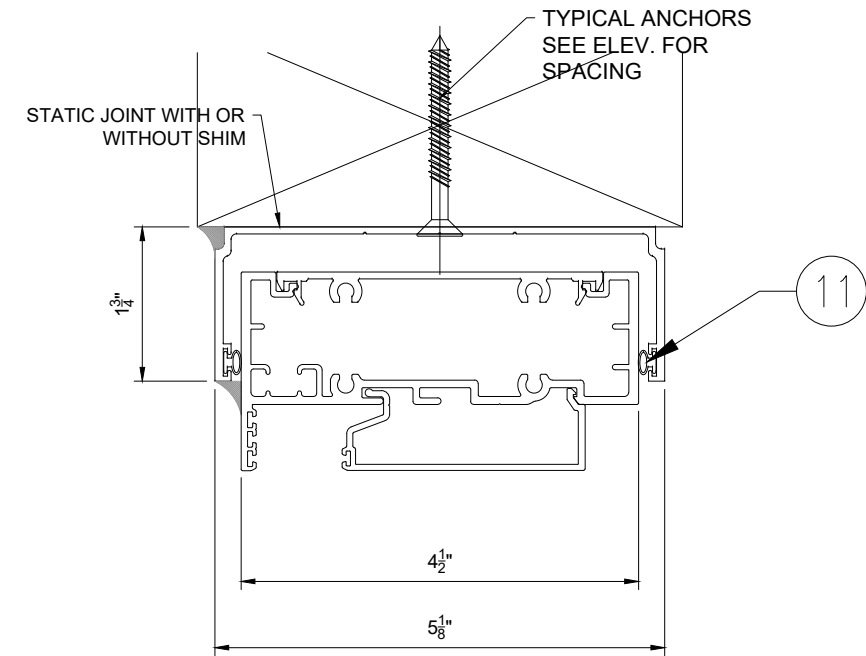
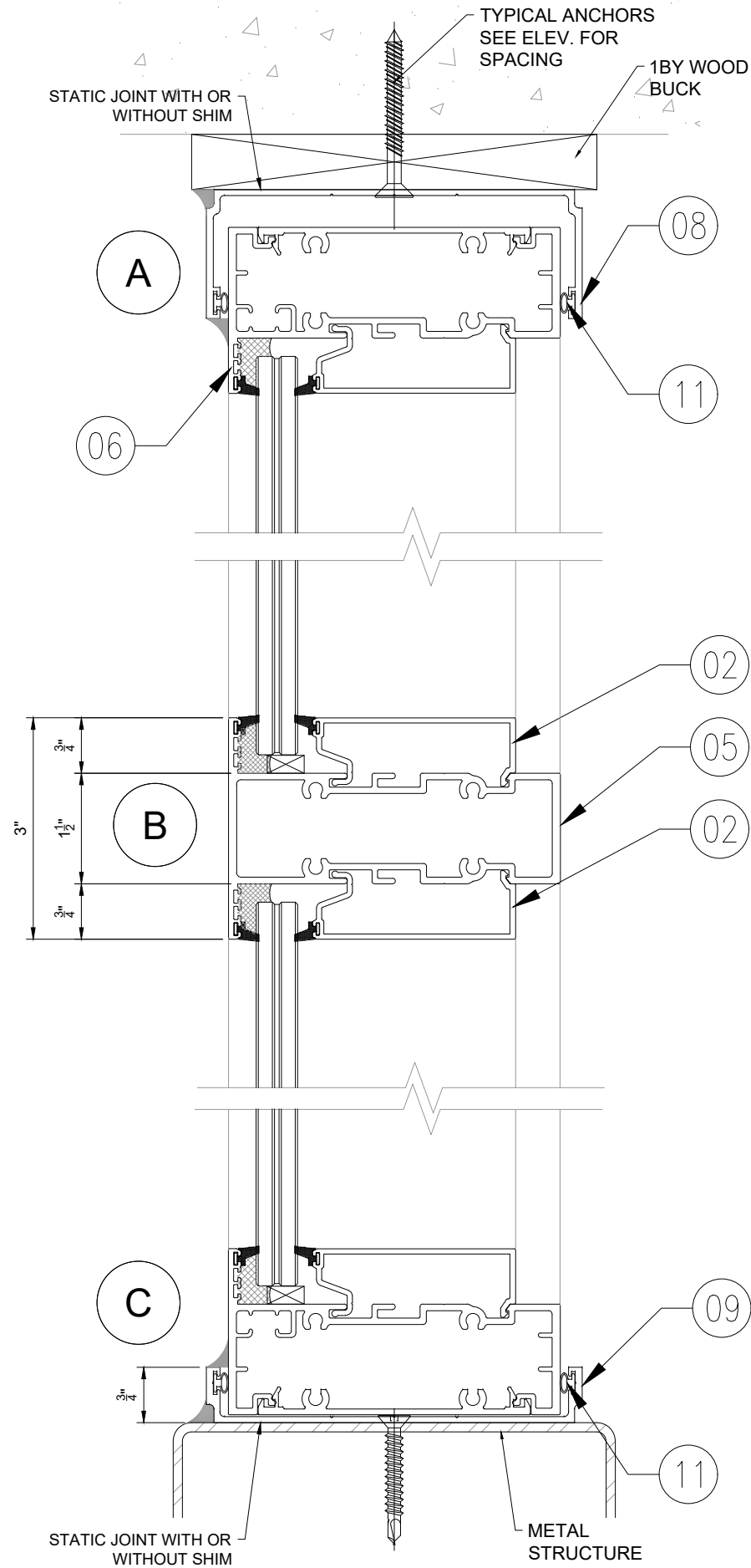
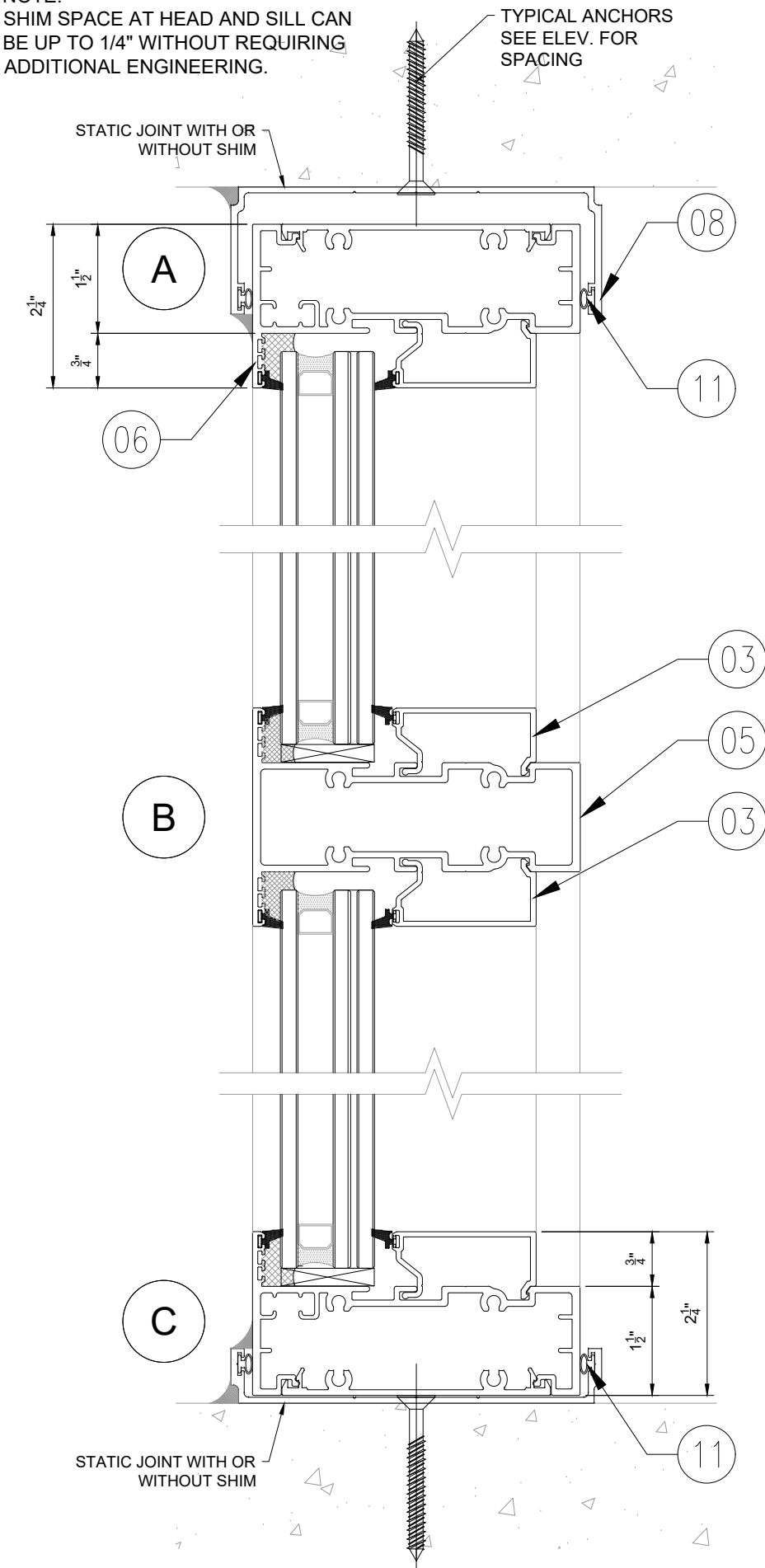
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PRODUCT APPROVAL #:
FL #46902.1

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DWG NO. CHGL-450 SF-2024

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05 OF 08

NOTE:
SHIM SPACE AT HEAD AND SILL CAN
BE UP TO 1/4" WITHOUT REQUIRING
ADDITIONAL ENGINEERING.



ENGINEER: STANTUM ENGINEERING, INC.
2100 S. W. 10TH AVE. SUITE #115
FORT LAUDERDALE, FL 33309
P.E. #68318

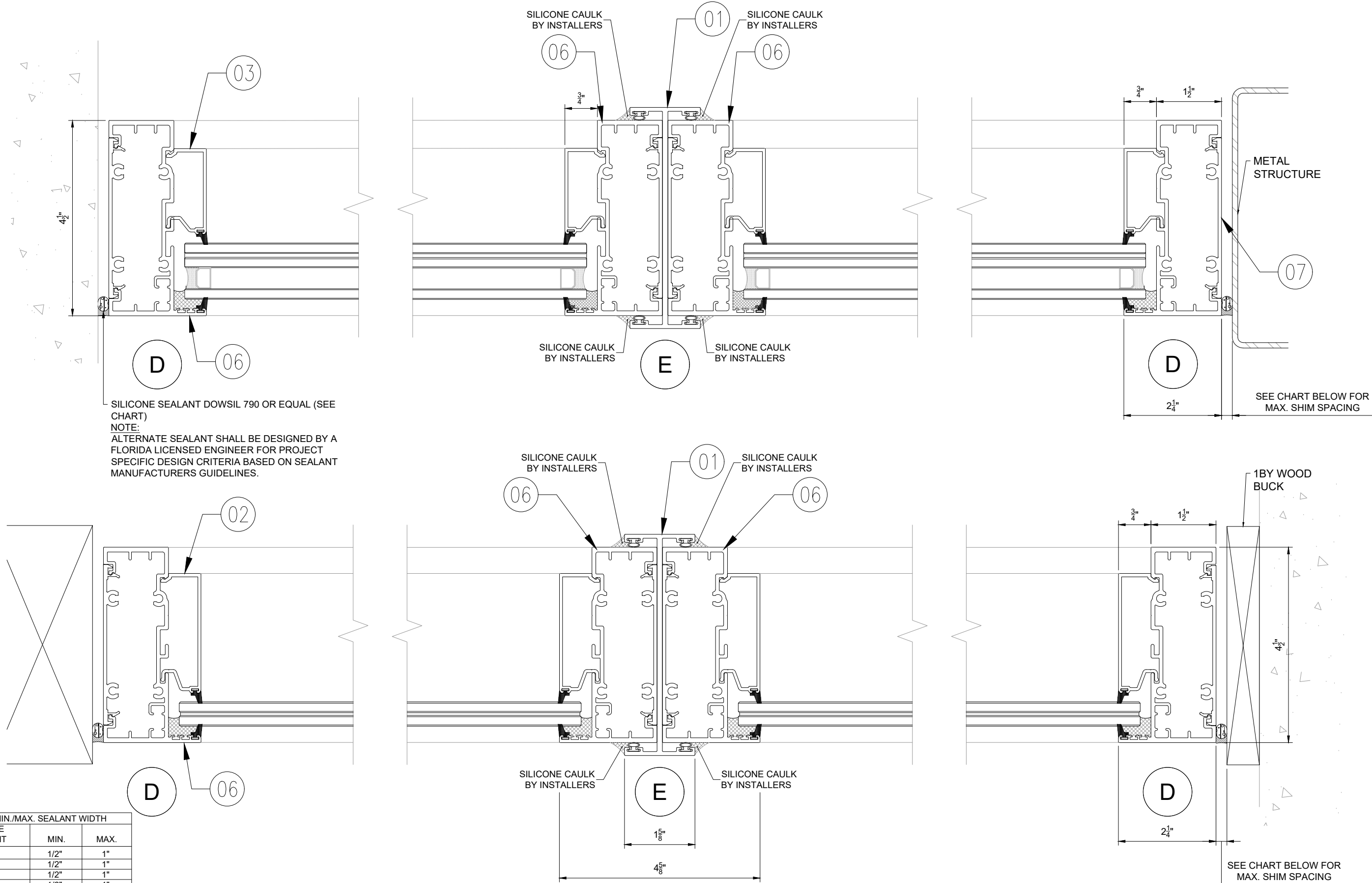
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SILICONE SEALANT DOWSIL 790 OR EQUAL (SEE CHART)
 NOTE:
 ALTERNATE SEALANT SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER FOR PROJECT SPECIFIC DESIGN CRITERIA BASED ON SEALANT MANUFACTURERS GUIDELINES.

REVISIONS:		DESCRIPTION:
NO.	DATE	
1		
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9		
10		

ENGINEER: STANTUM ENGINEERING, INC.

2100 BOCCARATON BLVD SUITE #115
 BOCA RATON, FL 33498
 (561) 993-0071
 F.L. #68318

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07 OF 08

BILL OF MATERIALS				
NO.	NO.	DESCRIPTION	MATERIAL	MANUFACTURER
01	CHGL-25	VERTICAL H MULLION	ALLOY 6063-T6	CHAMPION GLASS
02	CHGL-27	GLASS STOP FOR 9/16 GLASS	ALLOY 6063-T6	CHAMPION GLASS
03	CHGL-28	GLASS STOP FOR 1-5/16 GLASS	ALLOY 6063-T6	CHAMPION GLASS
04	CHGL-29	GLASS STOP FOR 1 GLASS	ALLOY 6063-T6	CHAMPION GLASS
05	CHGL-30	HORIZONTAL MULLION W/3 VINYL SLOTS	ALLOY 6063-T6	CHAMPION GLASS
05.1	CHGL-30	HORIZONTAL MULLION W/1 VINYL SLOT	ALLOY 6063-T6	CHAMPION GLASS
06	CHGL-31	HEAD/SILL/JAMB	ALLOY 6063-T6	CHAMPION GLASS
07	CHGL-32	SNAP-IN	ALLOY 6063-T6	CHAMPION GLASS
08	CHGL-9	HEAD RECEPTOR (PATENT # 11,414,914 B2)	ALLOY 6063-T6	CHAMPION GLASS
09	CHGL-21	SILL RECEPTOR (PATENT # 11,414,914 B2)	ALLOY 6063-T6	CHAMPION GLASS
10	CHGL-G33	GLAZING VINYL	SANTOPRENE_PROPOLENE	MELTPPOINT
11	CHGL-G36	RECEPTOR VINYL	TPV_PROPOLENE	MELTPPOINT
12	CHGL-S34	FABRICATION SCREWS	ST. STEEL	12X1.5
13	CHGL-SB35	SETTING BLOCKS	TPV	.25 X 1.25 X 4
14	-	983 DOW CORNING	-	-

NOTE:
THE RECEPTORS AND INSTALLATION PROCESS IS COVERED UNDER THE PATENT #11,414,914 B2

REVISIONS:		DESCRIPTION:	
NO.	DATE		

ENGINEER:
STANTON ENGINEERING, INC.
2100 BOCCARATON BLVD SUITE #115
BOCA RATON, FL 33498
TEL: #693718

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