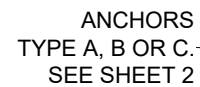


LARGE MISSILE IMPACT ● +50 / -65

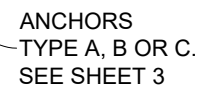


ANCHORS
— TYPE A, B OR C
SEE SHEET 3

Technical drawing of a window assembly showing dimensions and callouts. The drawing includes the following specifications:

- MAX. INDIVIDUAL FRAME WIDTH 72"** (top center)
- MAX. 67 1/2" D.L.O.** (top left and top right)
- MAX. FRAME HEIGHT 96"** (left side)
- MAX. 67 1/2" D.L.O.** (left side, vertical)
- UNSECURED JAMBS** (left side, vertical text)
- UNSECURED JAMBS** (right side, vertical text)
- ANCHORS, B OR C. SHEET 2** (top left, with dashed circle callout)
- 7 1/2"** (top center, horizontal dimension)
- 3"** (top center, horizontal dimensions)
- 3"** (top center, horizontal dimensions)
- 3"** (top center, horizontal dimensions)
- 21" D.L.O.** (left side, vertical dimension)
- 4 1/2" MAX.** (bottom left, horizontal dimension)
- HEAD/SILL CORNERS** (bottom left)
- 3"** (bottom left, horizontal dimension)
- 3"** (bottom left, horizontal dimension)
- 10" MAX.** (bottom right, horizontal dimension)
- HEAD/SILL** (bottom right)
- Callouts:** A, B, C, D, E, F, G, J (circled letters indicating specific components or locations)

– THIS PTAC LOUVER IS PART OF THIS APPROVAL



FL #46572.1

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CHAMPION GLASS
— INC —

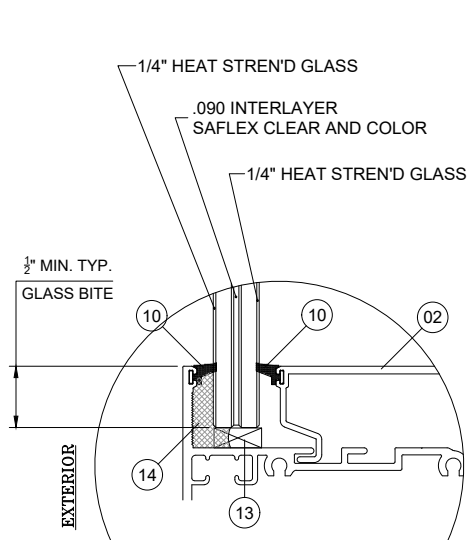
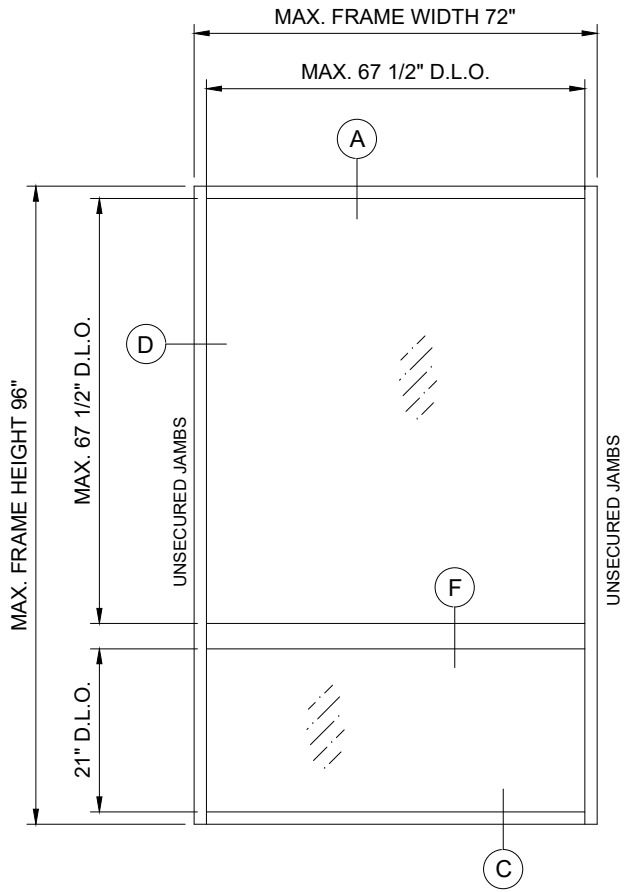
4720 NW 13TH AVENUE, UNIT 4A,
FT. LAUDERDALE, FL. 33309
954-564-3435 · CHAMPION-GLASS.NET

"HOTEL SERIES 450"
ALUM. INTEGRAL WINDOW/PTAC
LOUVER SYSTEM
(IMPACT RATED)

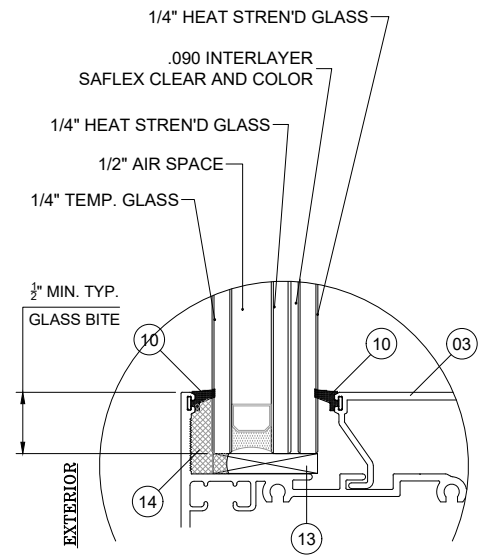
PRODUCT APPROVAL #:
FL #46572.1

SCALE:	NOTED
DATE:	04/22/2024
WG NO.	CHGL-450-2024

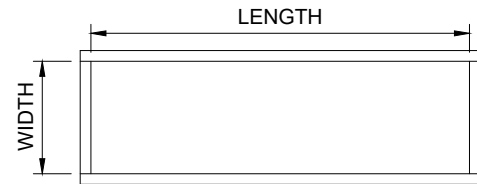
01 OF 07



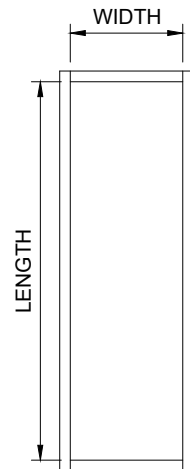
GLASS TYPE 'A'
IMPACT "LAMINATED" GLASS



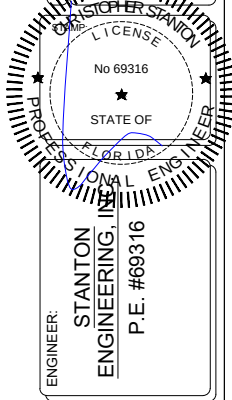
GLASS TYPE 'B'
IMPACT "LAMINATED INSULATED" GLASS



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



REVISIONS	NO.	DATE	DESCRIPTION
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CHAMPION GLASS — **INC**

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

PRODUCT: "HOTEL SERIES 450"
ALUM. INTEGRAL WINDOW/PTAC
LOUVER SYSTEM
(IMPACT RATED)

PRODUCT APPROVAL #:
FL #46572.1

SCALE: NOTED

DATE: 04/22/2024

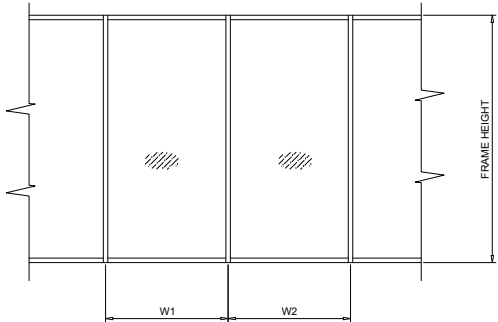
DWG NO: CHGL-450-2024

SHEET No:
02 OF 07

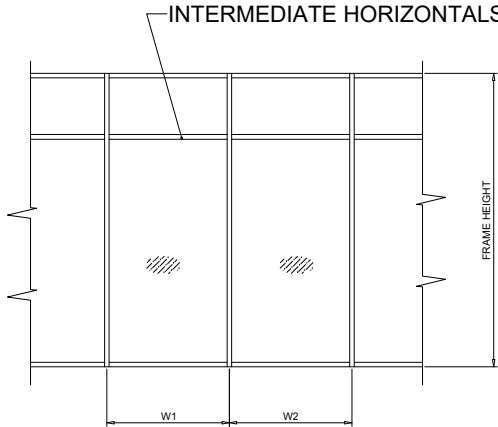
ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)					
NOMINAL DIMS.		ANCHORS TYPES			
WIDTH (W)	FRAME HEIGHT	'A2'	'AA2'	'B2'	'C2'
24"	72"	65.0	65.0	65.0	65.0
30"		65.0	65.0	65.0	65.0
36"		65.0	65.0	65.0	65.0
42"		65.0	65.0	65.0	65.0
48"		59.0	65.0	65.0	65.0
54"		52.4	62.8	65.0	65.0
60"		47.2	56.5	65.0	65.0
66"		42.9	51.4	65.0	65.0
72"		39.3	47.1	65.0	65.0
24"	78"	65.0	65.0	65.0	65.0
30"		65.0	65.0	65.0	65.0
36"		65.0	65.0	65.0	65.0
42"		62.2	65.0	65.0	65.0
48"		54.5	65.0	65.0	65.0
54"		48.4	58.0	65.0	65.0
60"		43.6	52.2	65.0	65.0
66"		39.6	47.4	65.0	65.0
72"		36.3	43.5	65.0	61.9
24"	84"	65.0	65.0	65.0	65.0
30"		65.0	65.0	65.0	65.0
36"		65.0	65.0	65.0	65.0
42"		57.8	65.0	65.0	65.0
48"		50.6	60.6	65.0	65.0
54"		45.0	53.8	65.0	65.0
60"		40.5	48.5	65.0	65.0
66"		36.8	44.1	65.0	62.8
72"		33.7	40.4	65.0	57.5
24"	90"	65.0	65.0	65.0	65.0
30"		65.0	65.0	65.0	65.0
36"		62.9	65.0	65.0	65.0
42"		53.9	64.6	65.0	65.0
48"		47.2	56.5	65.0	65.0
54"		42.0	50.3	65.0	65.0
60"		37.76	45.2	65.0	64.4
66"		34.3	41.1	65.0	58.6
72"		31.5	37.7	65.0	53.7
24"	96"	65.0	65.0	65.0	65.0
30"		65.0	65.0	65.0	65.0
36"		59.0	65.0	65.0	65.0
42"		50.6	60.6	65.0	65.0
48"		44.3	53.0	65.0	65.0
54"		39.3	47.1	65.0	65.0
60"		35.4	42.4	65.0	60.4
66"		32.2	38.5	65.0	54.9
72"		29.5	35.3	65.0	50.3

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".

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)					
NOMINAL DIMS.		ANCHORS TYPES			
WIDTH (W)	FRAME HEIGHT	'A3'	'AA3'	'B3'	'C3'
24"	72"	65.0	65.0	65.0	65.0
30"		65.0	65.0	65.0	65.0
36"		65.0	65.0	65.0	65.0
42"		65.0	65.0	65.0	65.0
48"		65.0	65.0	65.0	65.0
54"		65.0	65.0	65.0	65.0
60"		65.0	65.0	65.0	65.0
66"		64.4	65.0	65.0	65.0
72"		59.0	65.0	65.0	65.0
24"	78"	65.0	65.0	65.0	65.0
30"		65.0	65.0	65.0	65.0
36"		65.0	65.0	65.0	65.0
42"		65.0	65.0	65.0	65.0
48"		65.0	65.0	65.0	65.0
54"		65.0	65.0	65.0	65.0
60"		65.0	65.0	65.0	65.0
66"		59.4	65.0	65.0	65.0
72"		54.5	65.0	65.0	65.0
24"	84"	65.0	65.0	65.0	65.0
30"		65.0	65.0	65.0	65.0
36"		65.0	65.0	65.0	65.0
42"		65.0	65.0	65.0	65.0
48"		65.0	65.0	65.0	65.0
54"		65.0	65.0	65.0	65.0
60"		60.7	65.0	65.0	65.0
66"		55.2	65.0	65.0	65.0
72"		50.6	60.6	65.0	65.0
24"	90"	65.0	65.0	65.0	65.0
30"		65.0	65.0	65.0	65.0
36"		65.0	65.0	65.0	65.0
42"		65.0	65.0	65.0	65.0
48"		65.0	65.0	65.0	65.0
54"		62.9	65.0	65.0	65.0
60"		56.64	65.0	65.0	65.0
66"		51.5	61.7	65.0	65.0
72"		47.2	56.5	65.0	65.0
24"	96"	65.0	65.0	65.0	65.0
30"		65.0	65.0	65.0	65.0
36"		65.0	65.0	65.0	65.0
42"		65.0	65.0	65.0	65.0
48"		65.0	65.0	65.0	65.0
54"		59.0	65.0	65.0	65.0
60"		53.1	63.6	65.0	65.0
66"		48.3	57.8	65.0	65.0
72"		44.3	53.0	65.0	65.0

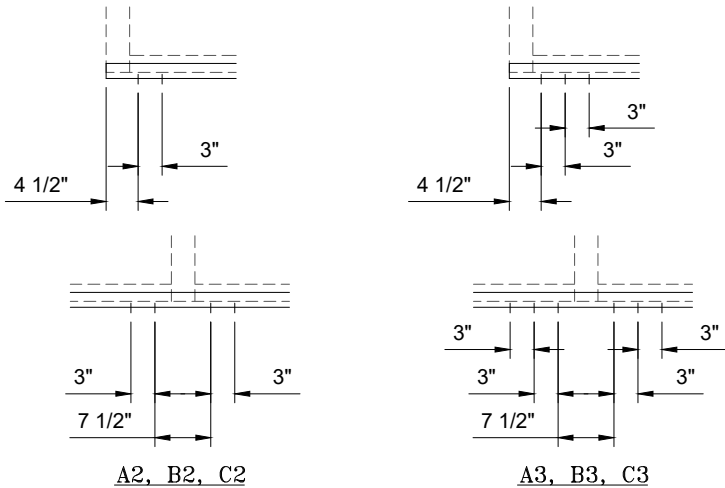
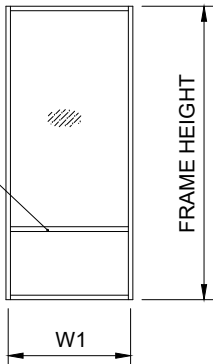


WIDTH (W) = $\frac{W1 + W2}{2}$



WIDTH (W) = $\frac{W1 + W2}{2}$

INTERMEDIATE
HORIZONTALS



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

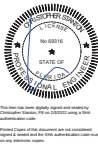
TYPE 'B' 1/4" ITW TAPCONS OR DEWALT ULTRACON+ DIRECTLY INTO 3000 PSI MIN. CONCRETE 1-3/4" MIN. EMBED INTO CONC.

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.

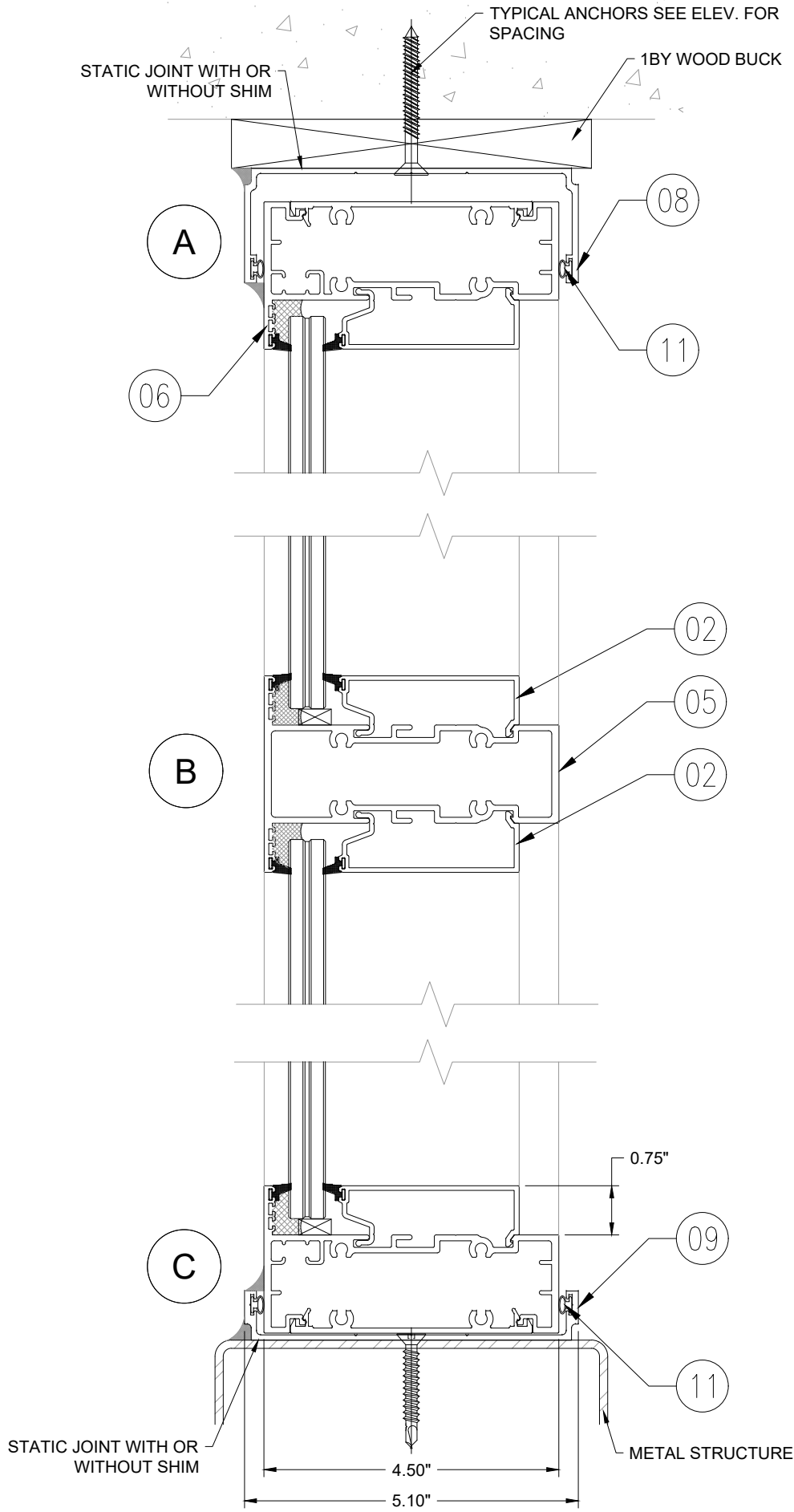
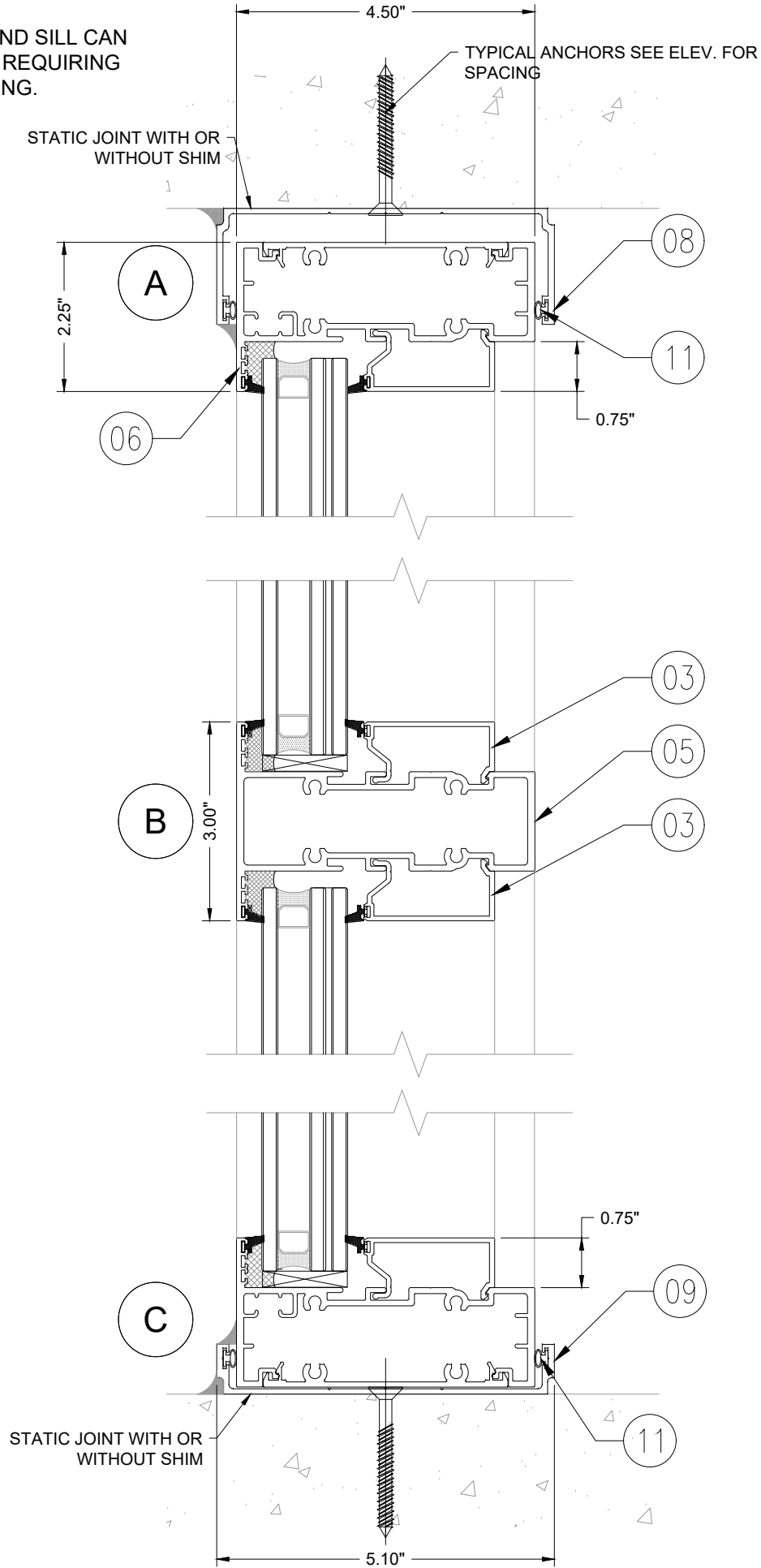
NOTE:
ALTERNATE ANCHOR TYPES/ CONDITIONS SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER FOR PROJECT SPECIFIC DESIGN CRITERIA BASED ON SEALANT MANUFACTURERS' TECHNICAL DATA.



Digitally signed by Christopher Stanton
Date: 2024.06.18 13:33:25 -04'00'

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



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ENGINEER: STANTON ENGINEERING, INC.
P.E. #69316

FLORIDA PROFESSIONAL ENGINEER
No 69316
STATE OF FLORIDA

CHAMPION GLASS INC

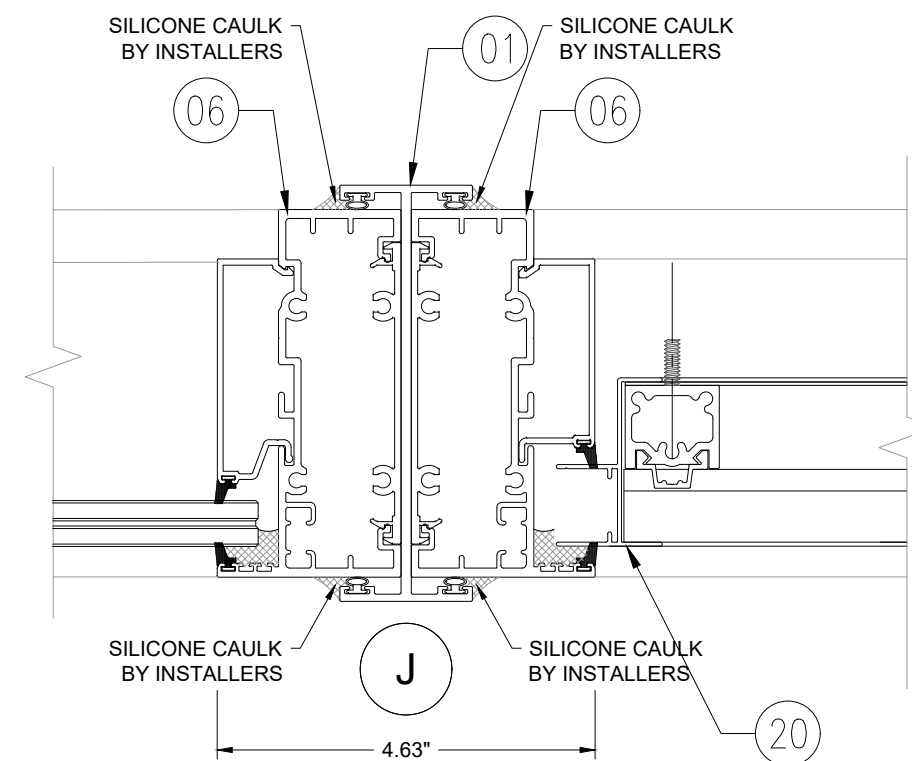
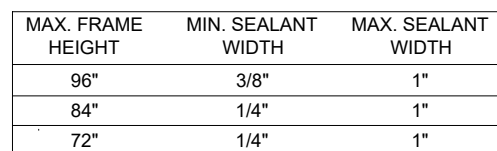
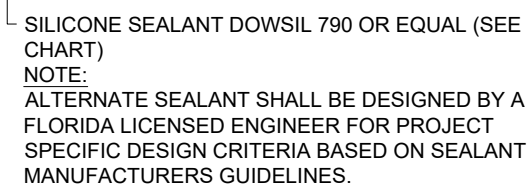
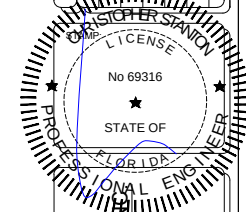
4720 NW 15TH AVENUE, UNIT 4A,
FT. LAUDERDALE, FL. 33309
954-564-3435 · CHAMPION-GLASS.NET

PRODUCT: "HOTEL SERIES 450"
ALUM. INTEGRAL WINDOW/PTAC
LOUVER SYSTEM
(IMPACT RATED)

PRODUCT APPROVAL #:
FL #46572.1

SCALE: NOTED
DATE: 04/22/2024
DWG NO: CHGL-450-2024

SHEET No:
04 OF 07

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ENGINEER:
STANTON
ENGINEERING, INC.
P.E. #69316

CHAMPION GLASS
INC

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

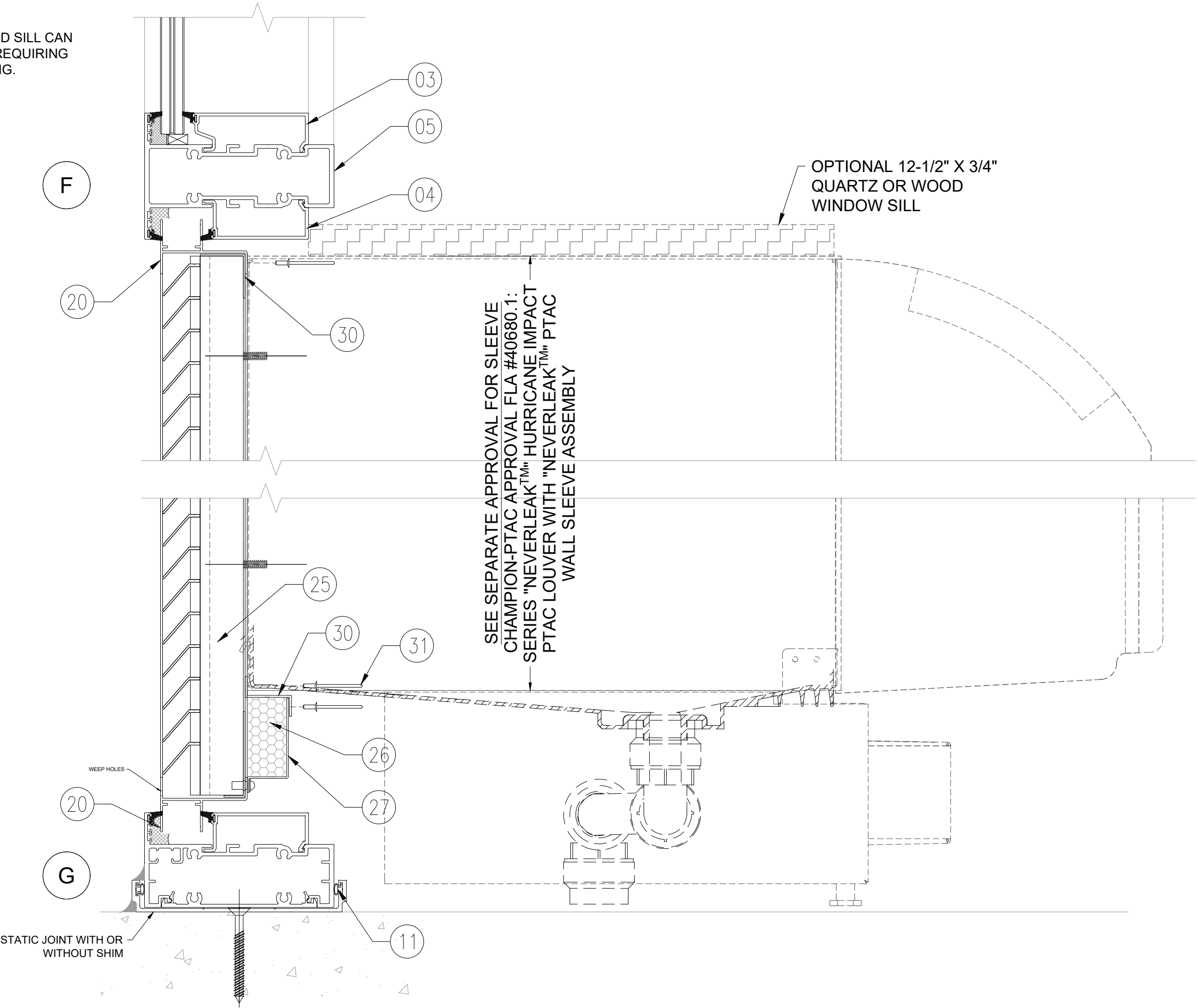
PRODUCT:
"HOTEL SERIES 450"
 ALUM: INTEGRAL WINDOW/PTAC
 LOUVER SYSTEM
 (IMPACT RATED)

PRODUCT APPROVAL #:
FL #46572.1

SCALE:	NOTED
DATE:	04/22/2024
DWG NO.	CHGL-450-2024

SHEET No:
05 OF 07

NOTE:
SHIM SPACE AT HEAD AND SILL CAN
BE UP TO 1/2" WITHOUT REQUIRING
ADDITIONAL ENGINEERING.



REVISIONS

NO.	DATE	DESCRIPTION
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REGISTERED PROFESSIONAL ENGINEER

FLORIDA

STATE OF

No 69316

★

ENGINEER

ENGINEER:

STANTON
ENGINEERING, INC.

P.E. #69316

CHAMPION GLASS

INC

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

PRODUCT:

"HOTEL SERIES 450"
ALUM. INTEGRAL WINDOW/PTAC
LOUVER SYSTEM
(IMPACT RATED)

PRODUCT APPROVAL #:

FL #46572.1

SCALE:

NOTED

DATE:

04/22/2024

DWG NO.

CHGL-450-2024

SHEET No:

06 OF 07

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	MELTPOINT
11	CHGL-G36	RECEPTOR VINYL	TPV_PROPOLENE	MELTPOINT
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

BILL OF MATERIALS			
NO.	DESCRIPTION	MATERIAL	MANUFACTURER
20	GLAZING LOUVER	ALUM 6063-T5	CHAMPION PTAC
21	BRACE BAR	ALUM 6063-T5	CHAMPION PTAC
22	BRACE BAR SPLINE	ALUM 6063-T5	CHAMPION PTAC
23	LOUVER BLADE	ALUM 6063-T5	CHAMPION PTAC
24	CORNER ANGLE	ALUM 6063-T5	CHAMPION PTAC
25	FRONT BLANK-OFF (OPTIONAL)	MIN. 0.04" THK FORMED ALUM.	-
26	INSULATION (OPTIONAL)	1" THK FIRE RESISTANT FOAM-TOUGHGARD 2	CERTAIN TEED
27	REAR BLANK-OFF (OPTIONAL)	MIN. 0.04" THK FORMED ALUM.	-
28	T-FLASHING	MIN. 0.04" THK FORMED ALUM.	-
29	L-ANGLE	MIN. 0.04" THK FORMED ALUM.	-
30	Z-ANGLE	MIN. 0.04" THK FORMED ALUM.	-
31	1/8 " POP-RIVET (AS42CE)	ALUMINUM/STEEL	-
-	-	-	-

NOTE:
FOAM, ITEM #26, SHALL COMPLY WITH MINIMUM REQUIREMENTS OF HVHZ SECTION 2612 OF FLORIDA BUILDING CODE (ASTM d1929 & ASTM E84) AND/OR APPROVED UNDER CURRENT NOA.

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

ENGINEER:

STANTON
ENGINEERING, INC.
P.E. #69316

PROJECT:

CHAMPION PTAC

LICENSE

No 69316

STATE OF

FLORIDA

CHAMPION GLASS

INC

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

PRODUCT:

"HOTEL SERIES 450"
ALUM. INTEGRAL WINDOW/PTAC
LOUVER SYSTEM
(IMPACT RATED)

PRODUCT APPROVAL #:

FL #46572.1

SCALE:

NOTED

DATE:

04/22/2024

DWG NO:

CHGL-450-2024

SHEET No:

07 OF 07