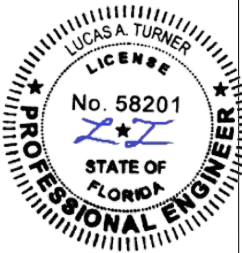
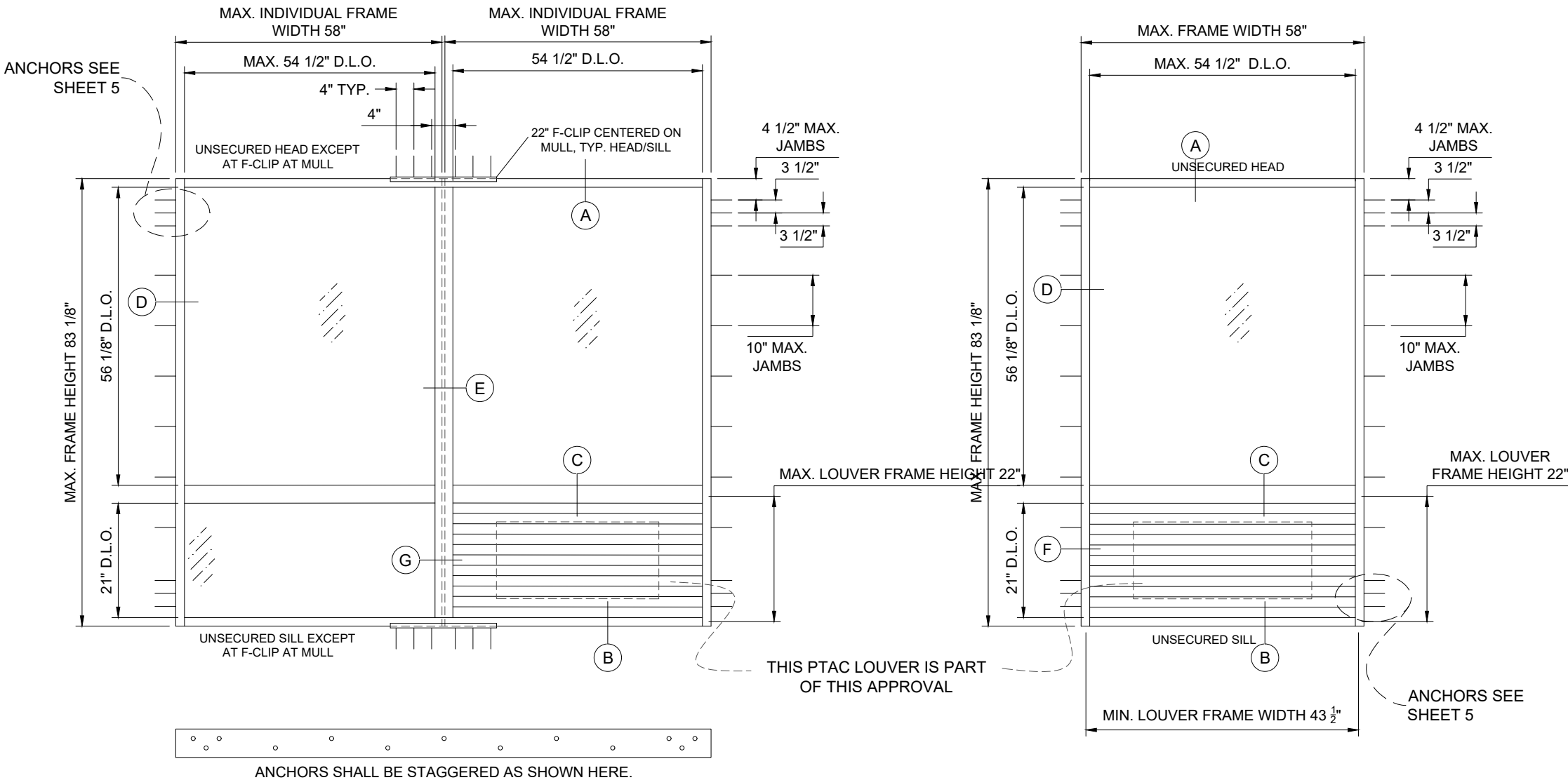


"HOTEL SERIES 325" ALUMINUM INTEGRAL WINDOW/PTAC LOUVER SYSTEM

LARGE & SMALL MISSILE IMPACT • +40 / -60



Lucas Turner
2026.10.14
18:47:57
-05'00'

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

PRODUCT:
"HOTEL SERIES 325"
ALUM. INTEGRAL WINDOW/PTAC
LOUVER SYSTEM
(IMPACT RATED)

PRODUCT APPROVAL #:
FL #

SCALE: NOTED
DATE: 09/24/2025
DWG NO. CHGL-325-2025

SHEET No:
01 OF 06

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANT FOR WIND ZONE 3 AND BELOW AREAS

CODES / STANDARDS USED:

2026 FLORIDA BUILDING CODE (FBC), 9TH EDITION
ASTM E1300-16
ANSI/AF&PA NDS-2018 FOR WOOD CONSTRUCTION
ALUMINUM DESIGN MANUAL, ADM1-2020

TESTS PERFORMED:

TAS 202	AIR INFILTRATION, WATER PENETRATION (W/ LOUVER BLANK), STRUCTURAL
ASTM E283	AIR INFILTRATION LEAKAGE
ASTM E331	WATER PENETRATION (W/ LOUVER BLANK)
ASTM E330	UNIFORM STATIC AIR PRESS. (STRUCTURAL)
ASTM E1886/E1996	LARGE MISSILE IMPACT & CYCLIC LEVEL D, WIND ZONE 3

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 9TH EDITION (2026) FOR USE OUTSIDE THE 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 2026 FLORIDA BLDG. CODE TO PREVENT GALVANIC REACTIONS

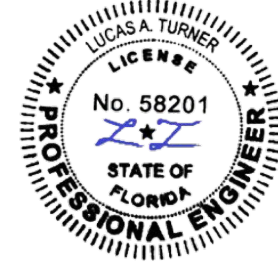
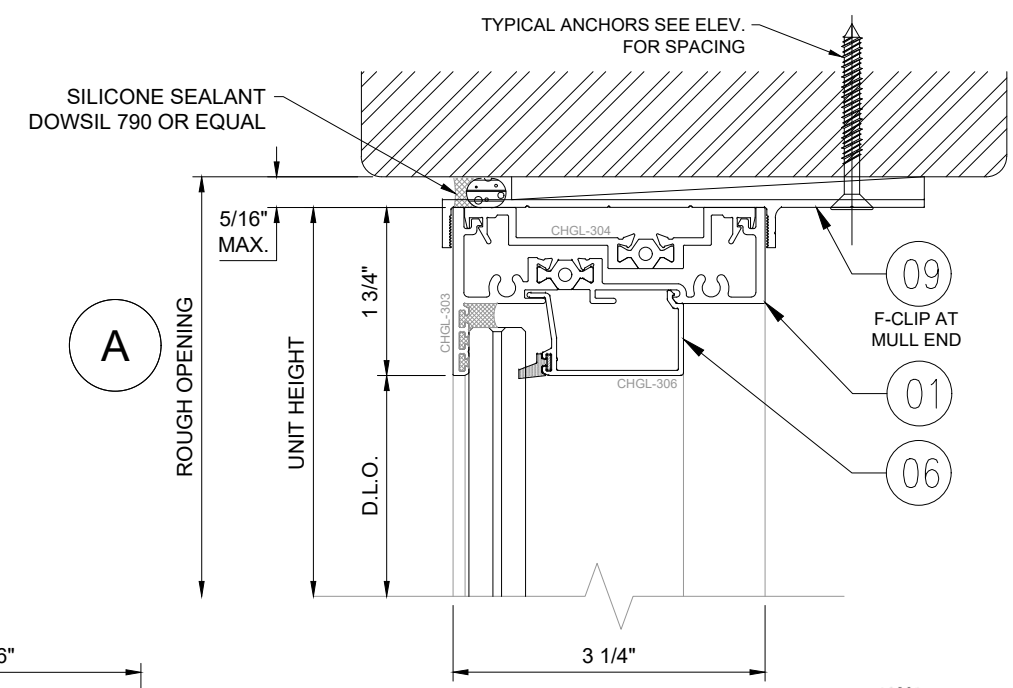
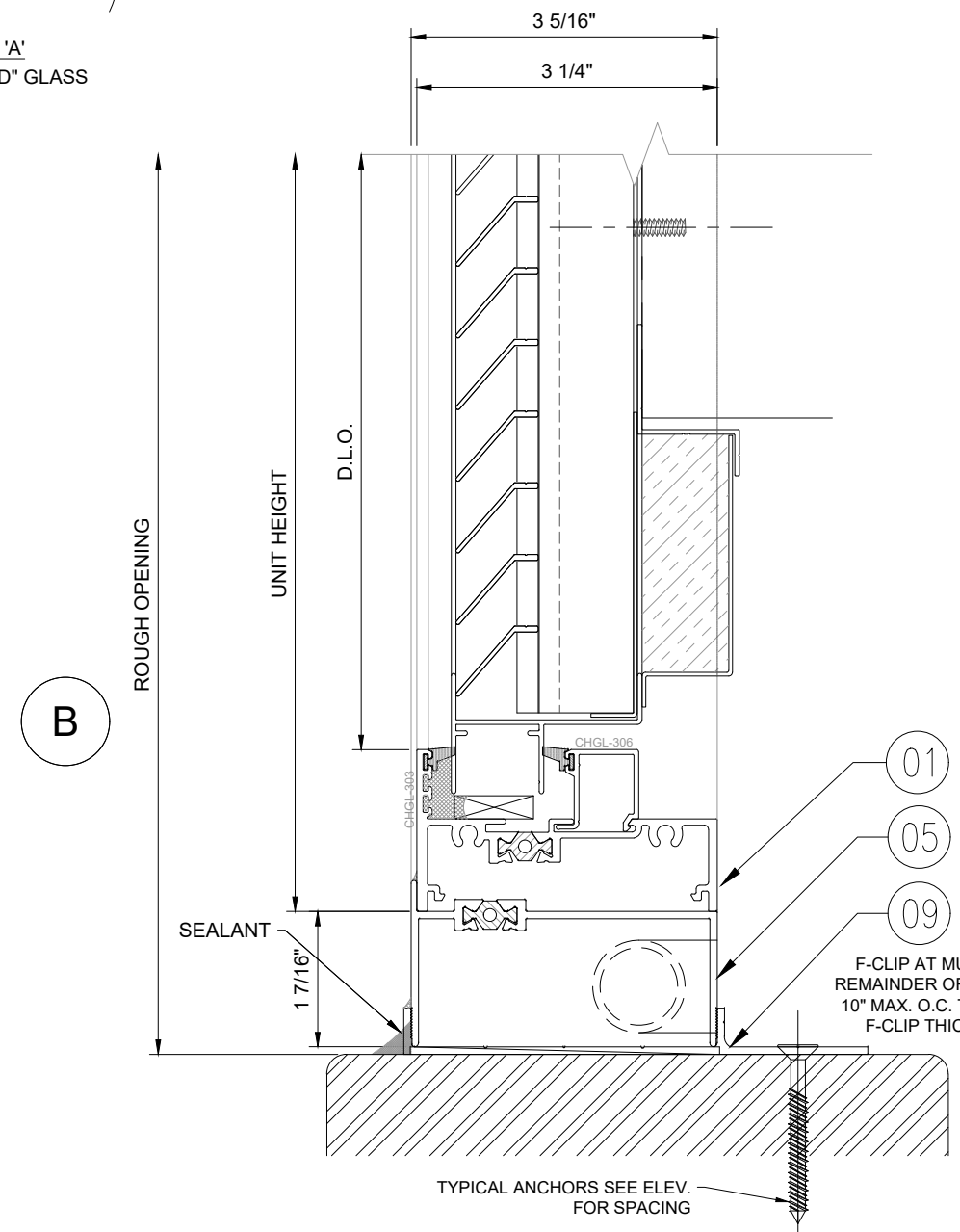
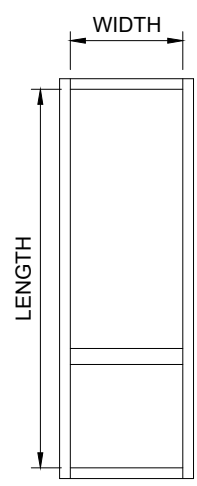
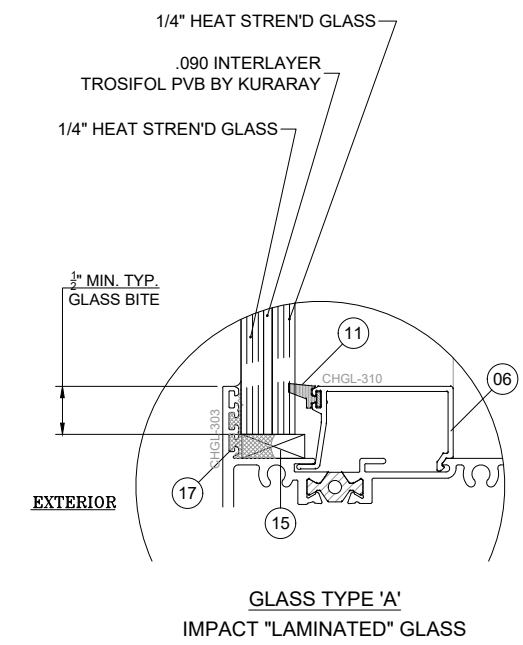
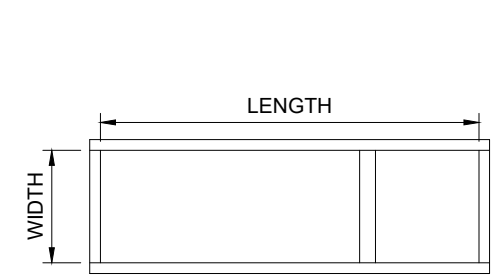
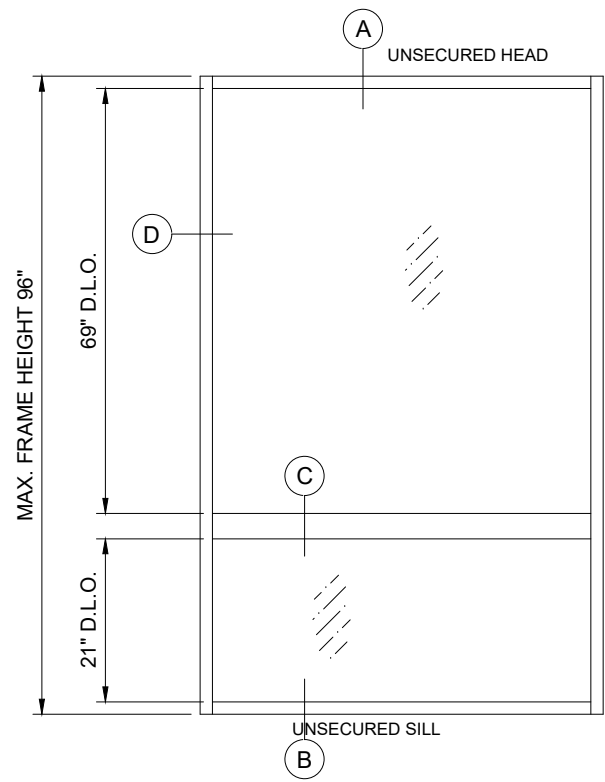
FL #46849.2

MAX FRAME SIZE LOAD CAPACITY

MAX. FRAME DIMENSIONS		PSF
WIDTH (W)	FRAME HEIGHT	EXT.(+)/INT.(-)
58	83 1/8"	+40 / -60

NOTE:

- LOUVERS SYSTEM IS TO BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND LOUVERS IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
- DEFLECTORS ARE TO DIRECT INTAKES & EXHAUST FOR INSTALLED IN WINDOW SLEEVE BEYOND. THEY HAVE NO EFFECT ON STRUCTURAL INTEGRITY OF LOUVER DESIGN



REVISIONS	NO.	DATE	DESCRIPTION
	1		
	2		
	3		
	4		
	5		
	6		
	7		
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	9		
	10		

ENGINEER:
TURNER ENGINEERING & CONSULTING, INC.
2428 OLD NATCHEZ TRC. TRL.
CAMDEN, TN 38320
941-360-1074
P.E. #58201

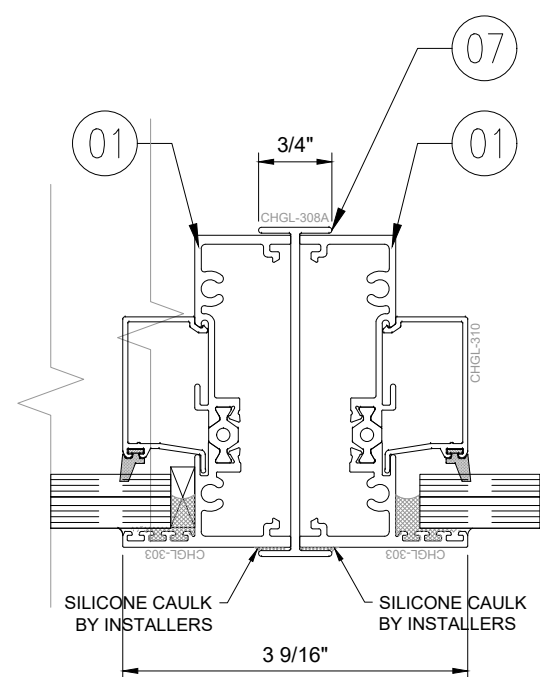
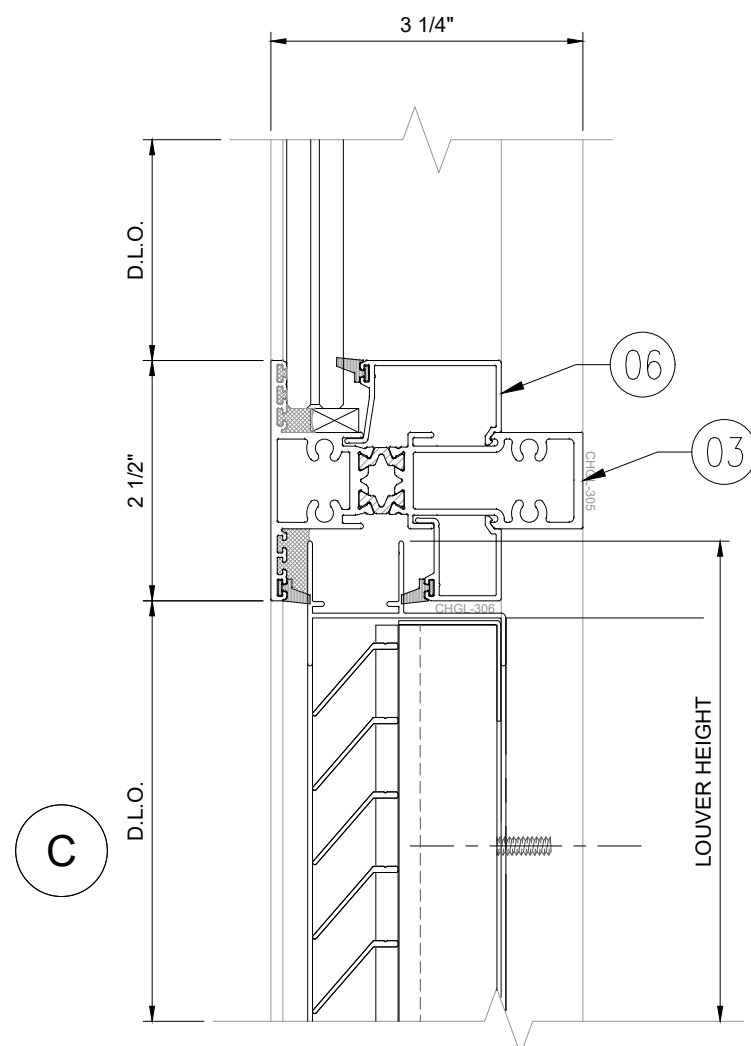
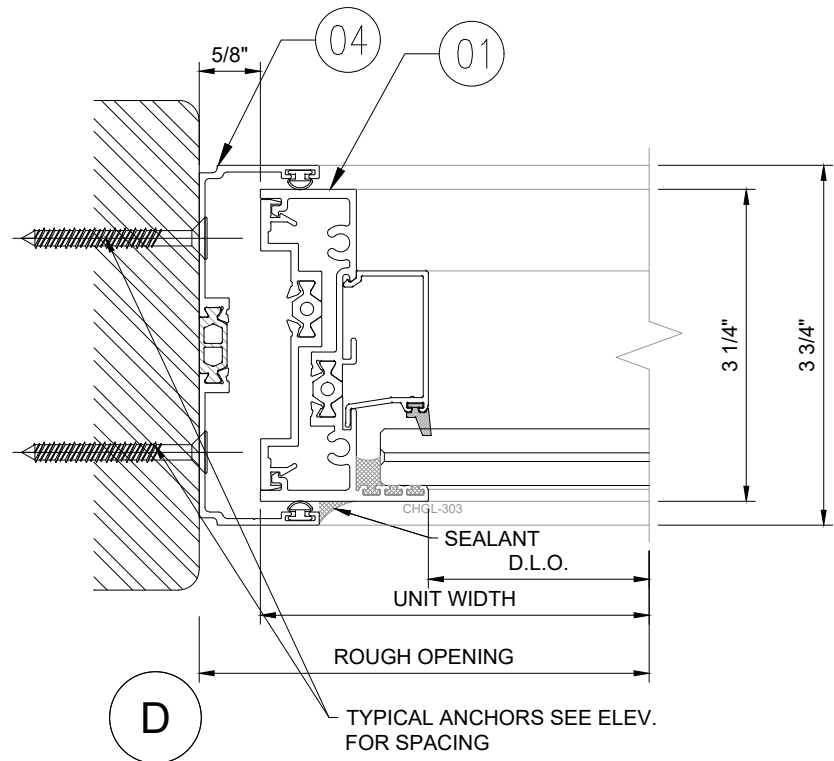
CHAMPION GLASS INC
4720 NW 15TH AVENUE, UNIT 4A,
FT. LAUDERDALE, FL. 33309
954-564-3435 · CHAMPION-GLASS.NET

PRODUCT:
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ALUM. INTEGRAL WINDOW/PTAC
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(IMPACT RATED)

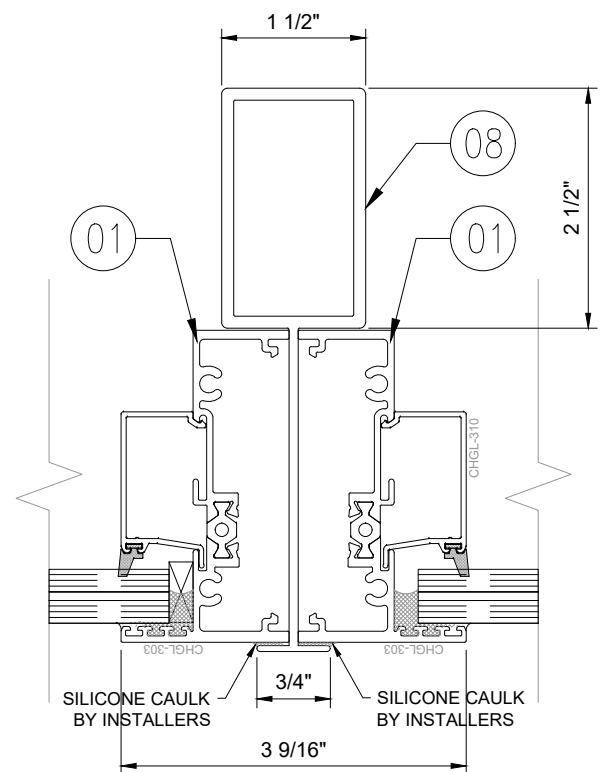
PRODUCT APPROVAL #:
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CHGL-325-2025

SHEET No:
02 OF 06



E
308A MULL



E
311 EXTENDED MULL

FRAME & MULL LOAD CAPACITIES (PSF)				
FRAME SIZE (IN.)		JAMB	308A MULL	311 MULL
WIDTH (W)	HEIGHT (H)			
30"	72"	+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
36"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
42"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
48"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
54"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
58"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
30"	78"	+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
36"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
42"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
48"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
54"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
58"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
30"	83 1/8	+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
36"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
42"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
48"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
54"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60
58"		+ 40 / - 60	+ 40 / - 60	+ 40 / - 60



REVISIONS	NO.	DATE	DESCRIPTION
	1		
	2		
	3		
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	5		

ENGINEER:
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P.E. #58201

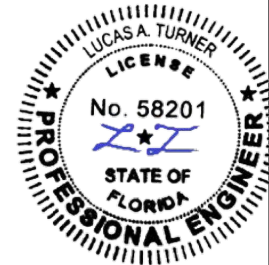
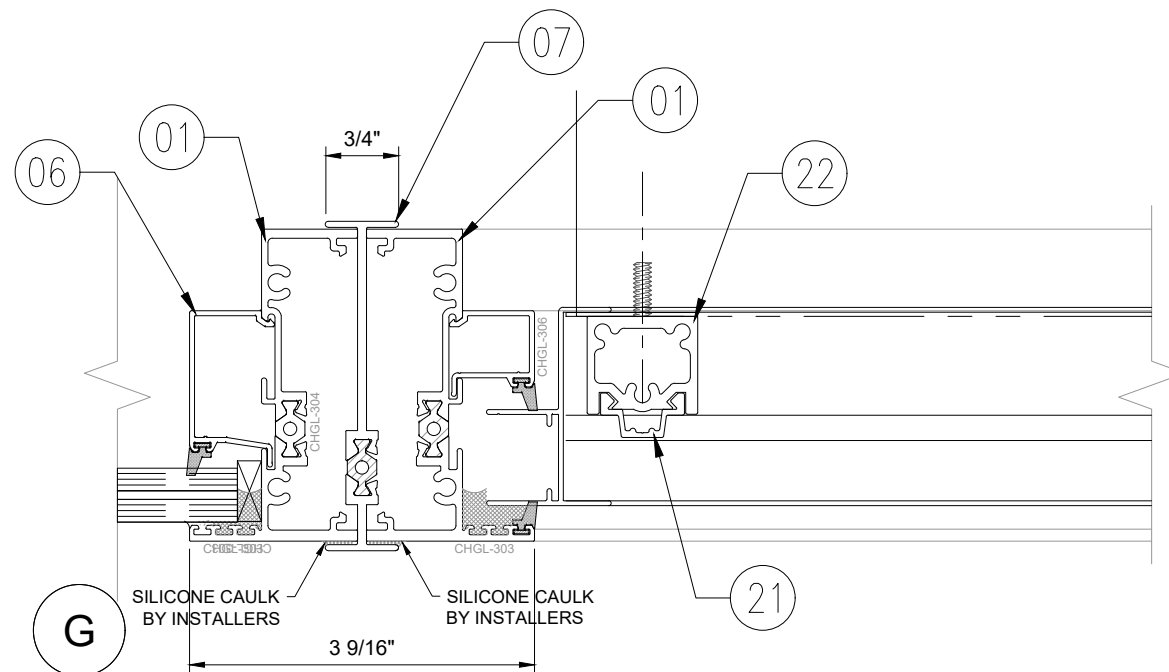
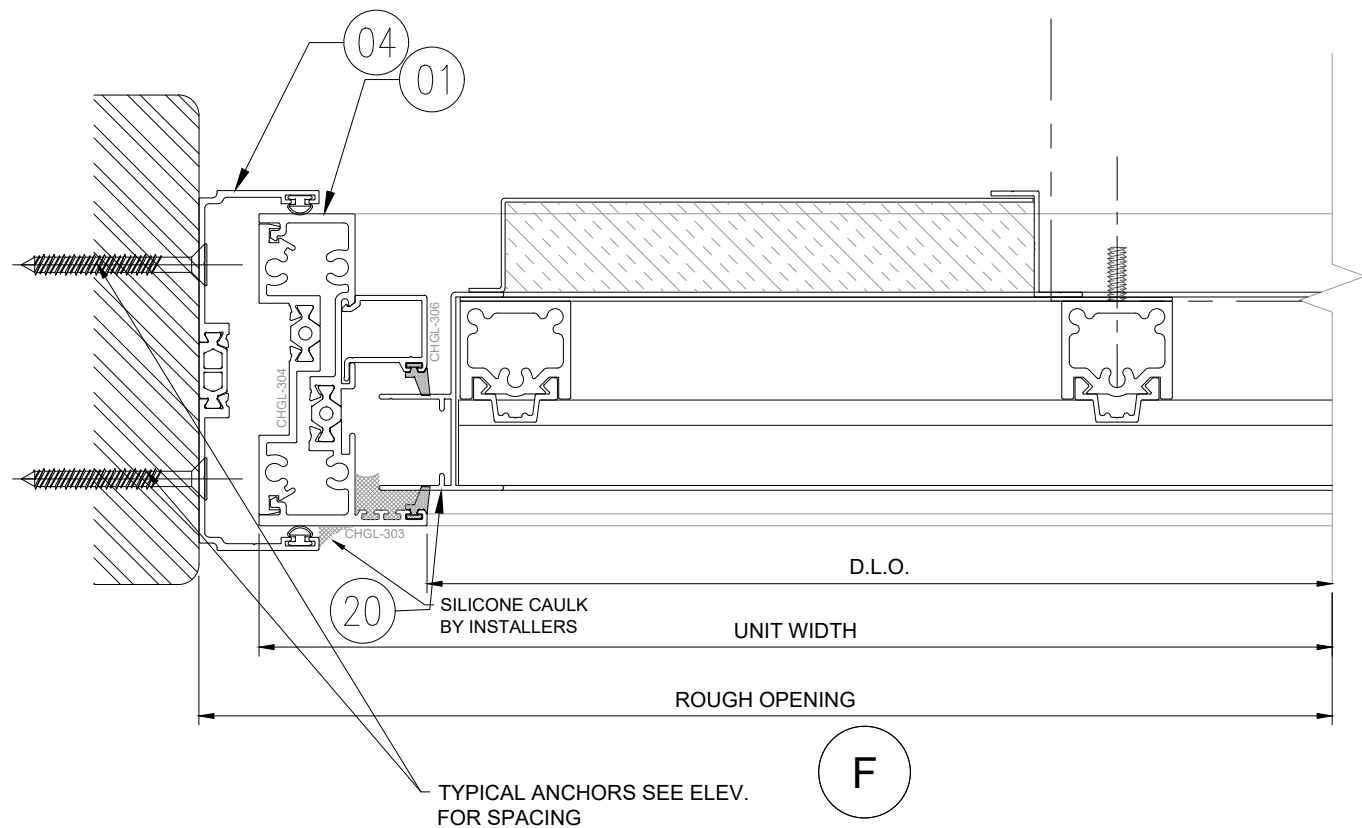
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CHGL-325-2025

SHEET No:
03 OF 06



REVISIONS		NO.	DATE	DESCRIPTION
		1		
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		8		
		9		
		10		

ENGINEER:
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941-360-1874
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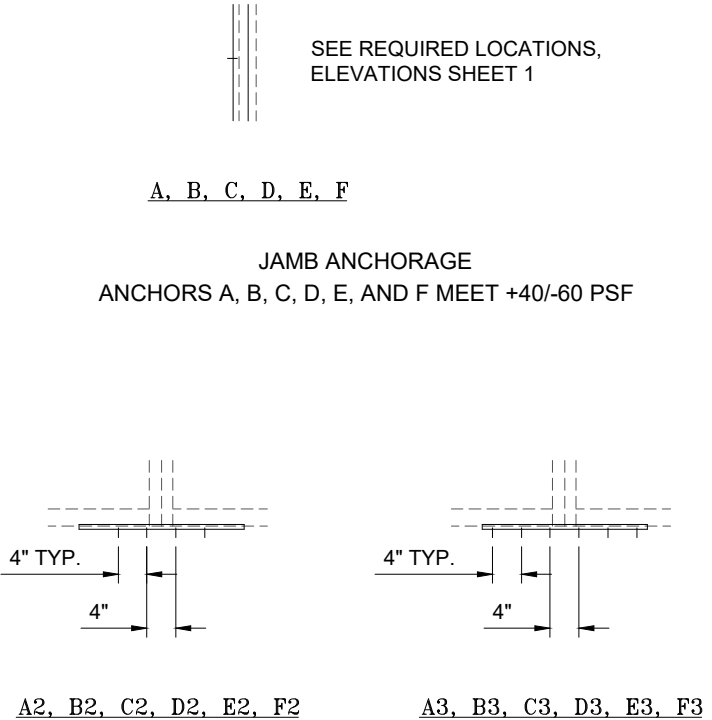
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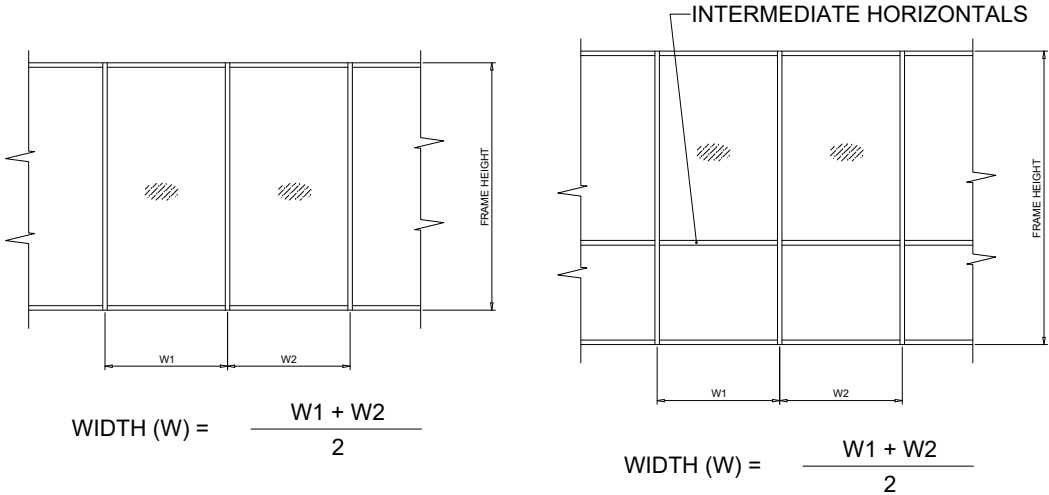
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04 OF 06

ANCHOR LOAD CAPACITIES (PSF) - EXT. (+) AND INT. -) AT HEAD / SILL, F-CLIP													
FRAME SIZES (IN.)		ANCHOR TYPES / QUANTITIES											
WIDTH (W)	HEIGHT (H)	'A2'	'B2'	'C2'	'D2'	'E2'	'F2'	'A3'	'B3'	'C3'	'D3'	'E3'	'F3'
30"	60"	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
42"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
48"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
54"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
58"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
30"	66"	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
42"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
48"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
54"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
58"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
30"	72"	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
42"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
48"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
54"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
58"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
30"	78"	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
42"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
48"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
54"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
58"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
30"	83 1/8"	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
42"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
48"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
54"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
58"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0



HEAD/SILL F-CLIP ANCHORAGE
SEE LOAD CAPACITY TABLE, THIS SHEET



NOTE:
FASTENERS ON INSTALLATIONS WITHIN 3000
FT. OF THE COASTLINE MUST MEET SECTION
1711 OF THE 9th EDITION FLORIDA BUILDING
CODE (FBC).

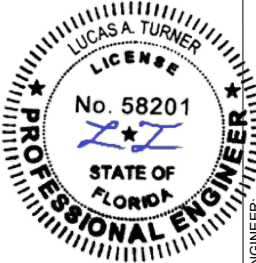
SEE EVALUATION REPORT FOR ADDITIONAL
INFORMATION.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- TYPE 'A' 1/4" ITW TAPCON OR DEWALT ULTRACON+
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
(SOUTHERN YELLOW PINE MIN.)
1-1/2" MIN. PENETRATION INTO WOOD
1" MIN. EDGE DISTANCE
- TYPE 'B' 1/4" ITW TAPCON
INTO ASTM C-90 CBS (GROUT FILLED OR HOLLOW)
1BY WOOD BUCKS OPTIONAL
1" MIN. EMBED INTO BLOCK
2" MIN. EDGE DISTANCE
- TYPE 'C' 1/4" ITW TAPCON
INTO 2000 PSI MIN. SOLID UNCRACKED CONCRETE
1BY WOOD BUCKS OPTIONAL
1-1/2" MIN. EMBED INTO CONCRETE
1-1/2" MIN. EDGE DISTANCE
- TYPE 'D' 1/4" DEWALT ULTRACON+
INTO ASTM C-90 CBS (GROUT FILLED OR HOLLOW)
1BY WOOD BUCKS OPTIONAL
1-1/4" MIN. EMBED INTO BLOCK
2-1/2" MIN. EDGE DISTANCE
- TYPE 'E' 1/4" DEWALT ULTRACON+
INTO 3050 PSI MIN. SOLID UNCRACKED CONCRETE
1BY WOOD BUCKS OPTIONAL
1" MIN. EMBED INTO CONCRETE
2-1/2" MIN. EDGE DISTANCE
- TYPE 'F' #14 SMS OR 1/4" SELF DRILLING SCREWS
INTO METAL STRUCTURES (STEEL OR ALUMINUM)
MIN. (3) THREADS BEYOND METAL THICKNESS
STEEL : 18 GA MIN.
ALUMINUM : .080" THICK, 6063-T6 MIN.
1/2" MIN. EDGE DISTANCE

NOTE:
ALTERNATE ANCHOR TYPES / CONDITIONS
SHALL BE DESIGNED BY A FLORIDA LICENSED
ENGINEER FOR PROJECT SPECIFIC DESIGN
CRITERIA

WOOD BUCKS AND OPENINGS BY OTHERS MUST
SUPPORT LOADS IMPOSED BY GLAZING/LOUVER SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.



ENGINEER:
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CONSULTING, INC.
2428 OLD NATCHEZ TRC. TRL
CAMDEN TN 38320
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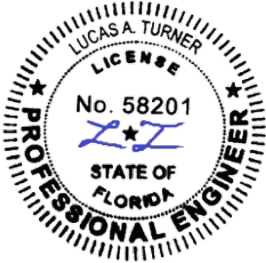
SCALE: NOTED
DATE: 09/24/2025
DWG NO: CHGL-325-2025

SHEET No:
05 OF 06

BILL OF MATERIALS				
NO.	NO.	DESCRIPTION	MATERIAL	MANUFACTURER
01	CHGL-303TB	HEAD/SILL/JAMB	ALLOY 6063-T6	CHAMPION GLASS
02	CHGL-304TB	SNAP	ALLOY 6063-T6	CHAMPION GLASS
03	CHGL-305TB	HORIZONTAL MULLION	ALLOY 6063-T6	CHAMPION GLASS
04	CHGL-300TB	HEAD RECEPTOR	ALLOY 6063-T6	CHAMPION GLASS
05	CHGL-321TB	CONDENSATE SILL RECEIVER	ALLOY 6063-T6	CHAMPION GLASS
06	CHGL-310	9/16" GLASS STOP	ALLOY 6063-T6	CHAMPION GLASS
07	CHGL-308A	VERTICAL H MULLION	ALLOY 6063-T6	CHAMPION GLASS
08	CHGL-311	VERTICAL H-EXTENDED MULLION	ALLOY 6063-T6	CHAMPION GLASS
09	CHGL-302	F-CLIP	ALLOY 6063-T6	CHAMPION GLASS
10		-	-	-
11	CHGL-33	GLAZING VINYL	SANTOPRENE	CHAMPION GLASS
12	-	-	-	-
13	-	-	-	-
14	-	FABRICATION SCREWS	ST. STEEL	MACHINE SCREW
15	-	SETTING BLOCKS	EPDM	.25 X 1.25 X 4
16	-	SETTING BLOCKS	EPDM	.375 X 1.25 X 4
17	-	GLAZING SILICONE	DOWSIL CWS	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 TOUGHGARD 2 TEXTILE DUCT LINER	CERTAINTEED
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	-
32			
33			
34			
35			
36			



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