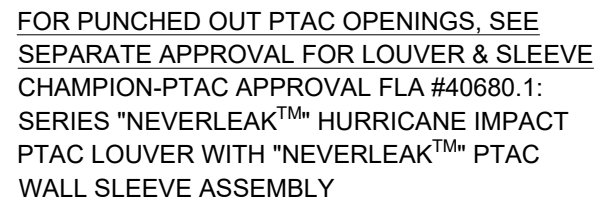


NON-IMPACT ● +35 / -50



NOTE:
2023 FLORIDA BUILDING CODE IS BASED ON THE
2021 IBC WITH FLORIDA AMENDMENTS.

CODES / STANDARDS USED:

2023 FLORIDA BUILDING CODE (FBC), 8TH 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)

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023) 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 AND 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
TO PREVENT GALVANIC REACTIONS

FL #46849.1

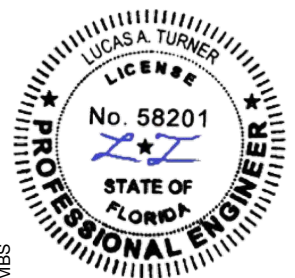
Lucas Turner
2026.06.29 14:25:17
-05'00'

NOTE:

1. 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.
2. DEFLECTORS ARE TO DIRECT INTAKES & EXHAUST FOR INSTALLED IN WINDOW SLEEVE BEYOND. THEY HAVE NO EFFECT ON STRUCTURAL INTEGRITY OF LOUVER DESIGN

REVISIONS		DESCRIPTION
NO.	DATE	
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△		
△		

**TURNER ENGINEERING &
CONSULTING, INC.**
2428 OLD NATCHEZ TRC. TRL.
CAMDEN, TN 38320
941-380-1574
P.E. #58201



6/29/2026

MAX. LOUVER
FRAME HEIGHT 22"

CHAMPION GLASS
— INC —

4720 NW 15TH AVENUE, UNIT 4A,
FT. LAUDERDALE, FL. 33309

954-564-3435 · CHAMPION-GLASS.NET

"HOTEL SERIES 325"
ALUM. INTEGRAL WINDOW/PTAC
LOUVER SYSTEM
(NON-IMPACT)

PRODUCT APPROVAL #:

FL #46849.1

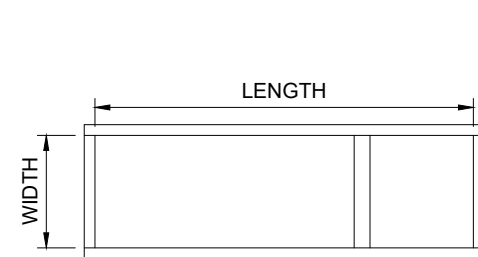
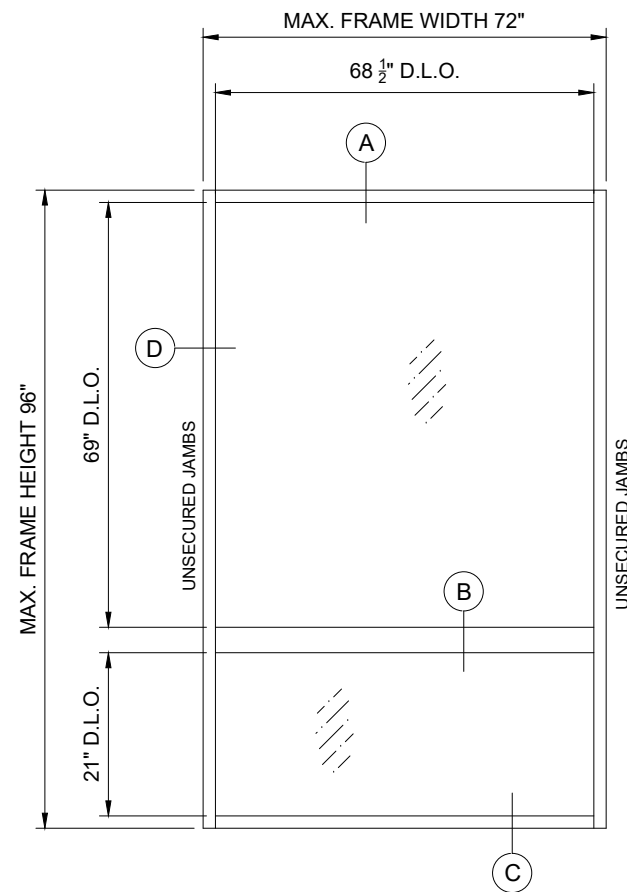
SCALE: NOTED

DATE: 02/11/2026

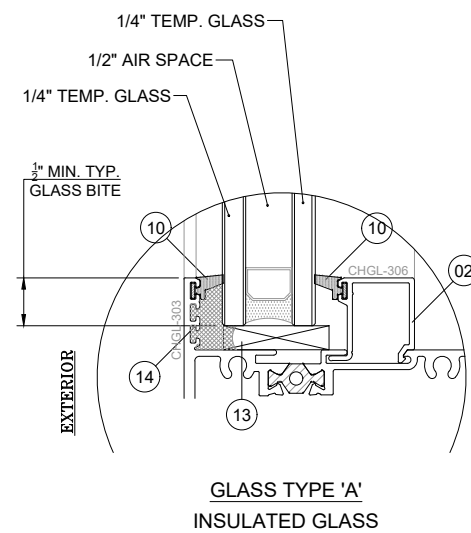
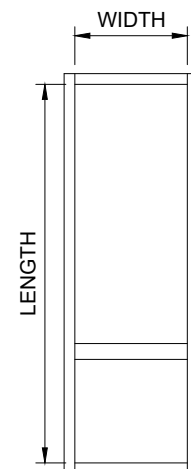
FWG NO. CHGL-325 N.I.-2026

SHEET No: 01 OF 07

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

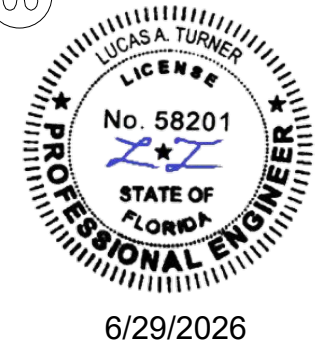
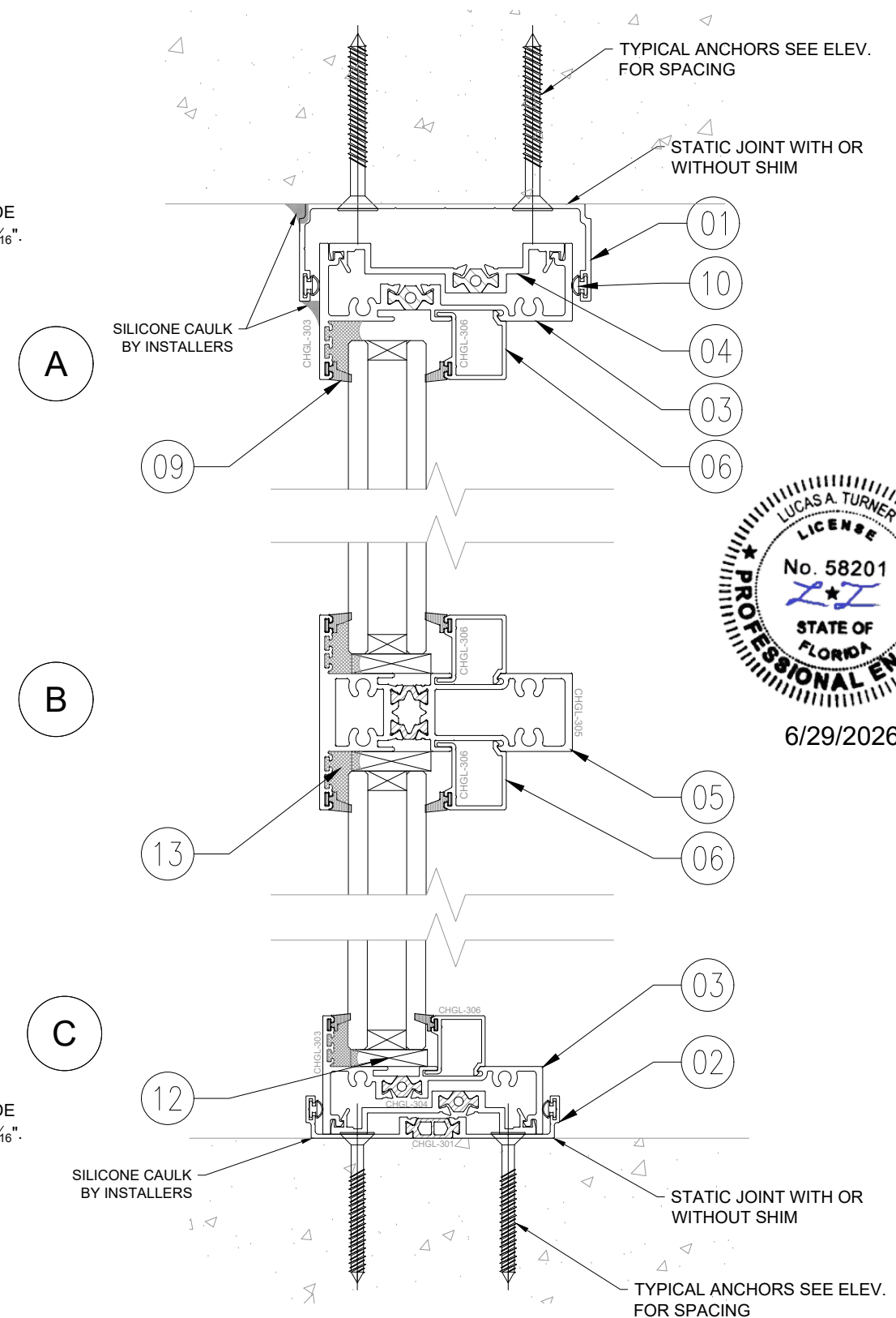


NOTE:
WINDOW SYSTEM MAY BE ROTATED
HORIZONTALLY FROM ORIENTATION
SHOWN ABOVE



FRAME BITE INSIDE
RECEPTOR MIN. $\frac{7}{16}$ ".

FRAME BITE INSIDE
RECEPTOR MIN. $\frac{7}{16}$ ".



**TURNER ENGINEERING &
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"HOTEL SERIES 325"
ALUM. INTEGRAL WINDOW/PTAC
LOUVER SYSTEM
(NON-IMPACT)

PRODUCT APPROVAL #:

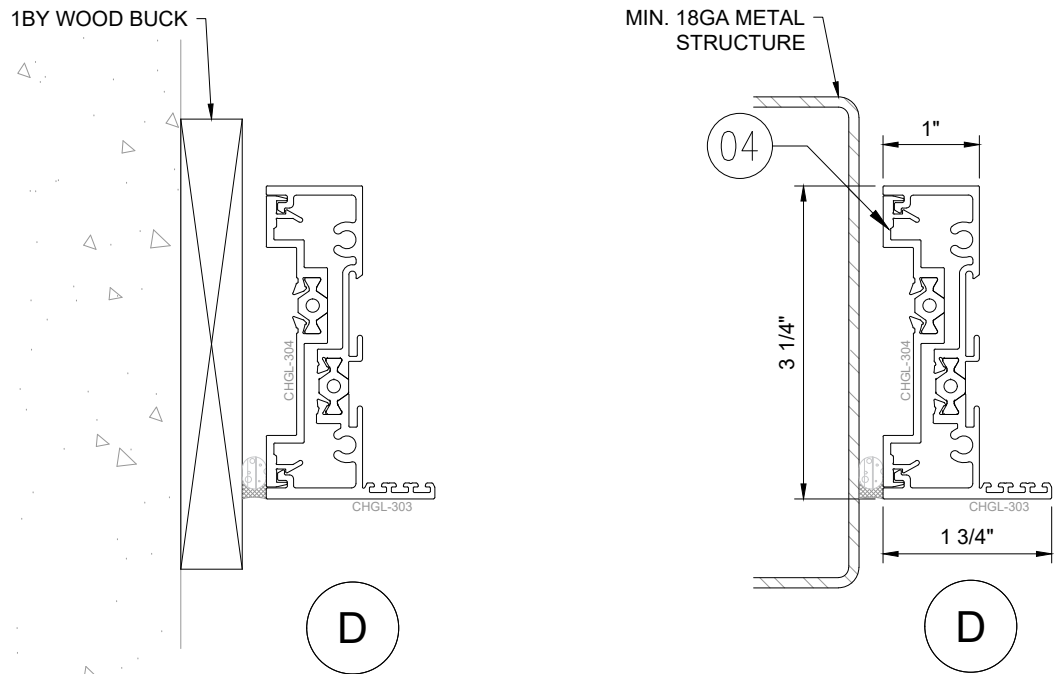
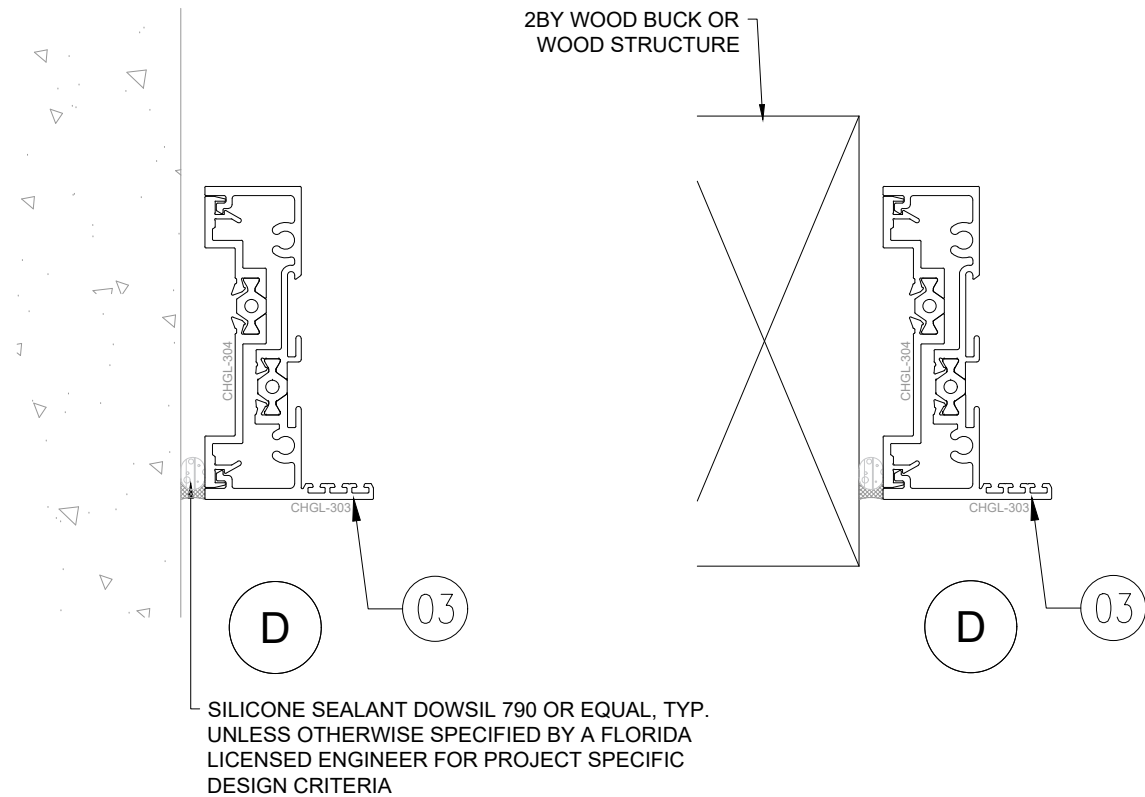
FL #46849.1

SCALE: NOTED

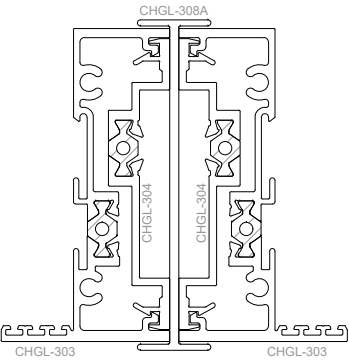
DATE: 02/11/2026

HWG NO. CHGL-325 N.I.-2026

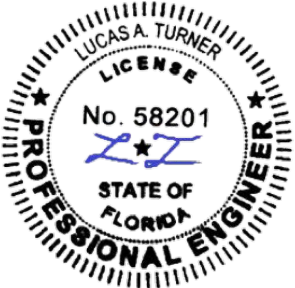
SHEET No: 02 OF 07



FRAME LOAD CAPACITIES (PSF)			
FRAME SIZES (IN.)		JAMB	MULL
WIDTH (W)	HEIGHT		
30	72	+35/-50	+35/-50
36		+35/-50	+35/-50
42		+35/-50	+35/-50
48		+35/-50	+35/-50
54		+35/-50	+35/-50
60		+35/-50	+35/-50
66		+35/-50	+35/-50
72		+35/-50	+35/-50
30	84	+35/-50	+35/-50
36		+35/-50	+35/-50
42		+35/-50	+35/-50
48		+35/-50	+35/-50
54		+35/-50	+35/-50
60		+35/-50	+35/-50
66		+35/-50	+35/-50
72		+35/-50	+35/-50
30	96	+35/-50	+35/-50
36		+35/-50	+35/-50
42		+35/-50	+35/-50
48		+35/-50	+35/-49.1
54		+35/-50	+35/-44.9
60		+35/-50	+35/-41.7
66		+35/-50	+35/-39.3
72		+35/-50	+35/-37.5



TYP. MULLION



6/29/2026

REVISIONS:		DESCRIPTION:	
NO.	DATE		
1			
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5			

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

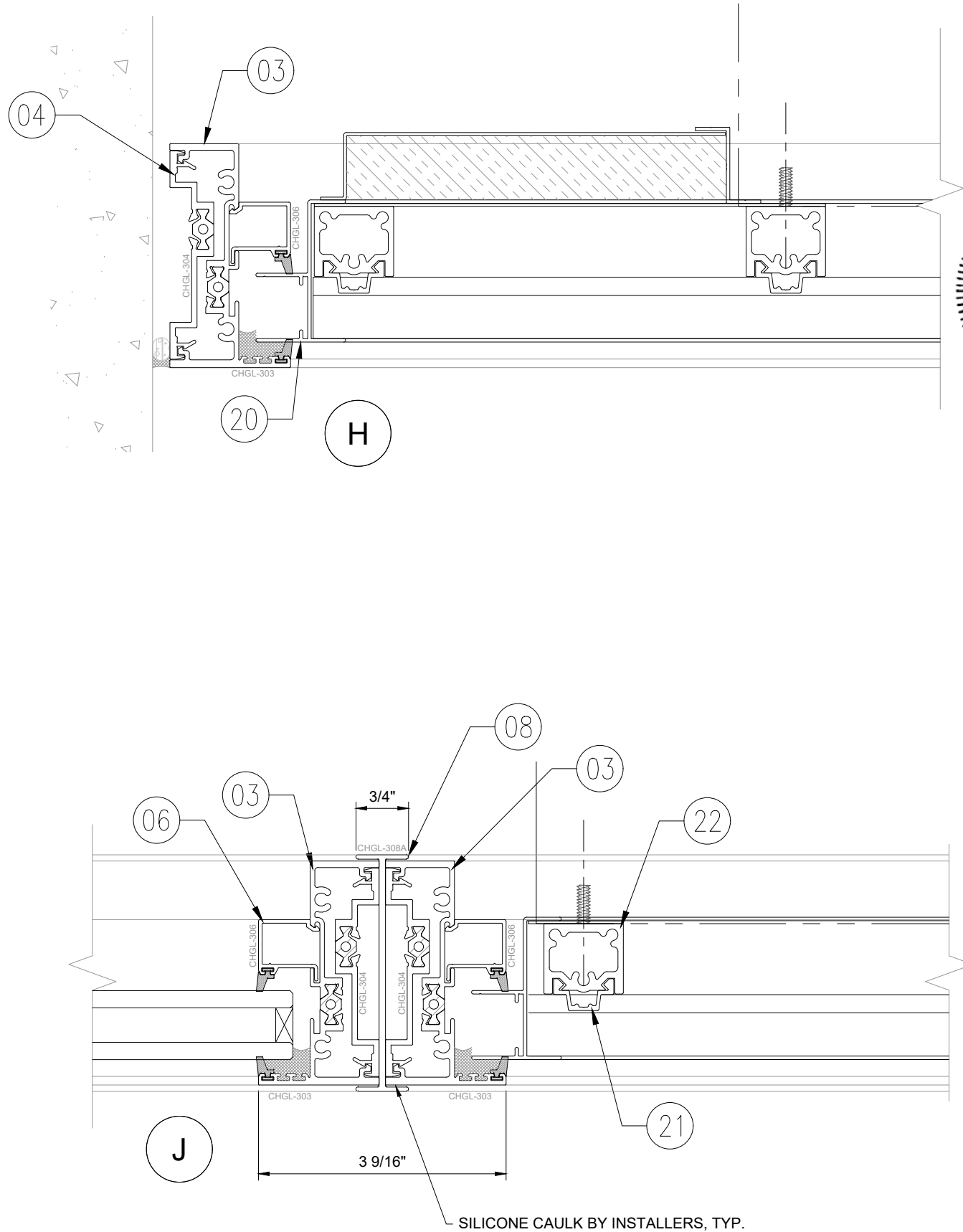
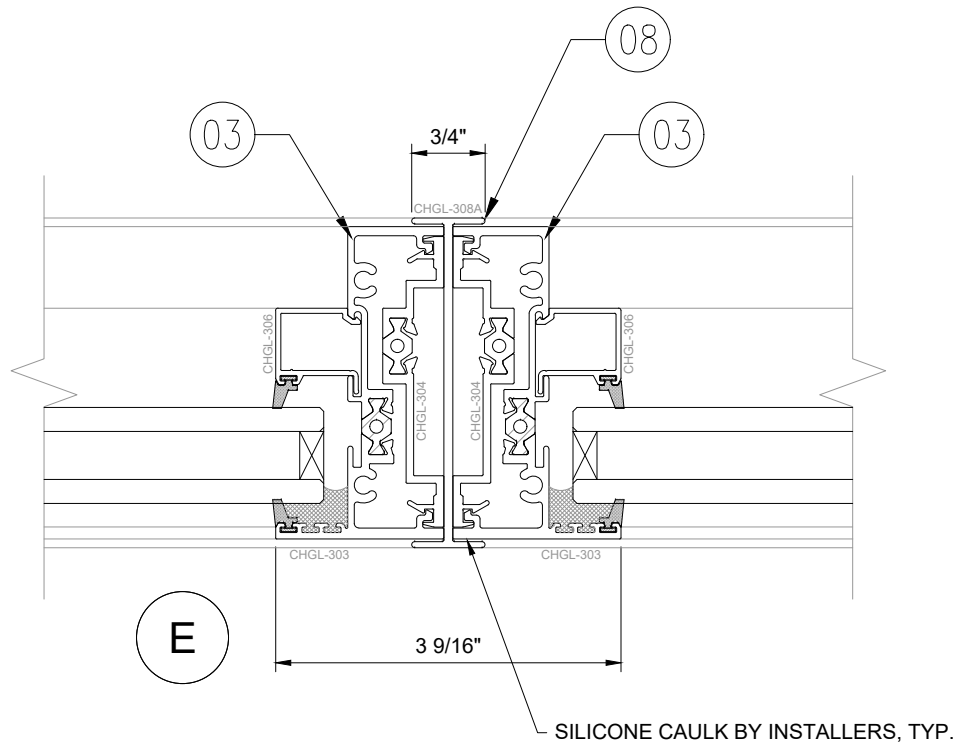
CHAMPION GLASS INC
4720 NW 15TH AVENUE, UNIT 4A,
FT. LAUDERDALE, FL. 33309
954-564-3435 · CHAMPION-GLASS.NET

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

PRODUCT APPROVAL #:
FL #46849.1

SCALE:
NOTED
DATE:
02/11/2026
DWG NO.
CHGL-325 N.I.-2026

SHEET No:
03 OF 07



6/29/2026

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

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CHGL-325 N.I.-2026

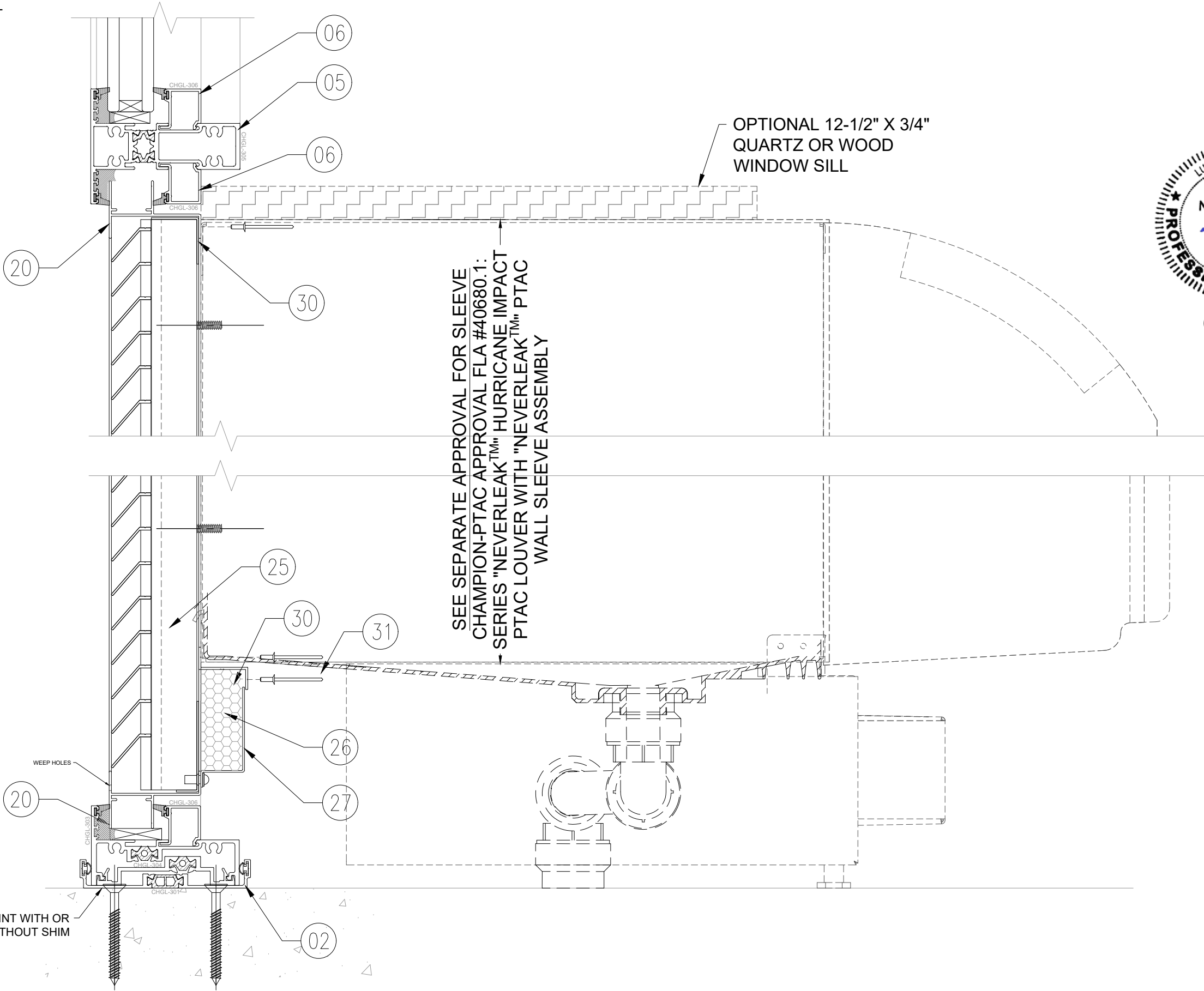
SHEET No:
04 OF 07

REVISIONS:	NO.	DATE	DESCRIPTION
	1		
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ENGINEER:
TURNER ENGINEERING &
CONSULTING, INC.
2428 OLD NATCHEZ TRC. TRL.
CHANDLER, TN 38520
941-360-1074
P.E. #58201

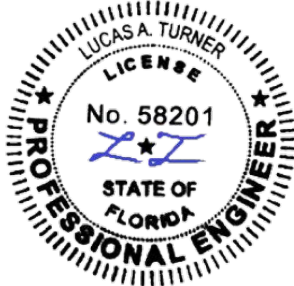
NOTE:
SHIM SPACE AT SILL CAN BE UP TO 1/4"
WITHOUT REQUIRING ADDITIONAL
ENGINEERING.

F



G

STATIC JOINT WITH OR
WITHOUT SHIM



6/29/2026

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
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DATE:
02/11/2026
DWG NO.
CHGL-325 N.I.-2026

SHEET No:
05 OF 07

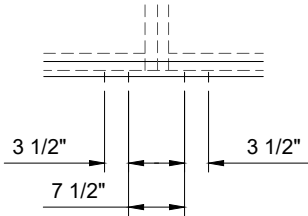
REVISIONS	NO.	DATE	DESCRIPTION
	1		
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ENGINEER:
TURNER ENGINEERING &
CONSULTING, INC.
2428 OLD NATCHEZ TRC. TRL.
CAMDEN, TN 38320
941-360-1074
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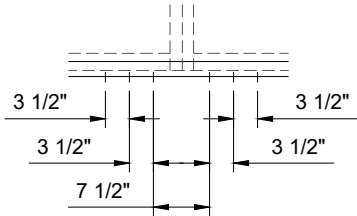
ANCHOR LOAD CAPACITIES (PSF) - EXT. (+) AND INT. (-)													
FRAME SIZES (IN.)		ANCHOR TYPES / QUANTITIES											
WIDTH (W)	HEIGHT	A2	B2	C2	D2	E2	F2	A3	B3	C3	D3	E3	F3
30	72	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
66		50.0	48.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
72		49.2	44.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30	78	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60		50.0	49.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
66		49.5	45.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
72		45.4	41.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30	84	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60		50.0	46.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
66		46.0	41.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
72		42.1	38.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30	90	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54		50.0	47.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60		47.2	42.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
66		42.9	39.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
72		39.3	35.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30	96	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
48		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54		49.2	44.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60		44.3	40.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
66		40.2	36.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
72		36.9	33.5	48.3	50.0	50.0	50.0	50.0	47.0	50.0	50.0	50.0	50.0

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

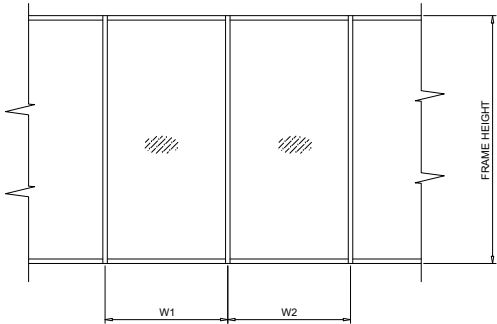
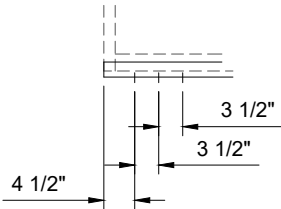
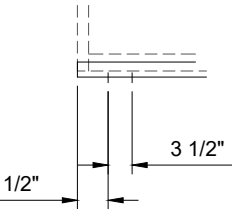
WOOD BUCKS AND OPENINGS BY OTHERS MUST
SUPPORT LOADS IMPOSED BY GLAZING/LOUVER SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.



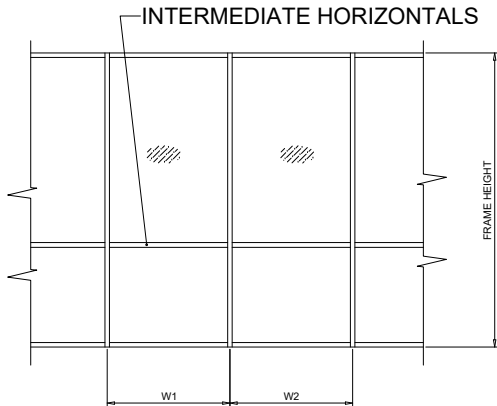
A2, B2, C2, D2, E2, F2



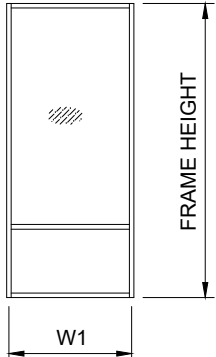
A3, B3, C3, D3, E3, F3



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



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



WIDTH (W) = W1

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' 1/4" ITW TAPCON OR DEWALT ULTRAACON+
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
(SOUTHERN YELLOW PINE MIN.)
1-1/2" MIN. PENETRATION INTO WOOD
1" MIN. EDGE DISTANCE

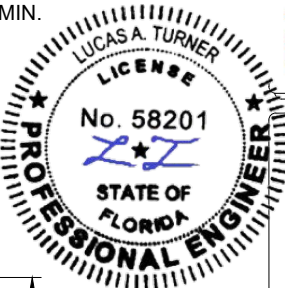
TYPE 'B' 1/4" ITW TAPCON
INTO ASTM C-90 CBS (GROUT FILLED OR HOLLOW)
1BY WOOD BUCKS OPTIONAL
1" MIN. EMBED INTO BLOCK
2" MIN. EDGE DISTANCE

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 ULTRAACON+
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 ULTRAACON+
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



6/29/2026

REVISIONS:	NO.	DATE	DESCRIPTION:
	1		
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	5		

ENGINEER:
TURNER ENGINEERING & CONSULTING, INC.
2428 OLD NATCHEZ TRC. TRL.
CAMDEN TN 38320
941-366-1074
P.E. #58201

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
(NON-IMPACT)

PRODUCT APPROVAL #:
FL #46849.1

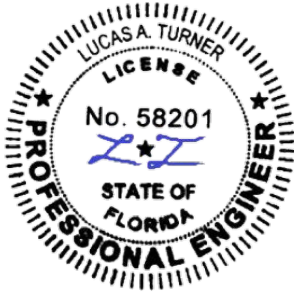
SCALE: NOTED
DATE: 02/11/2026
DWG NO.: CHGL-325 N.I.-2026

SHEET No:
06 OF 07

BILL OF MATERIALS				
NO.	NO.	DESCRIPTION	MATERIAL	MANUFACTURER
01	CHGL-300TB	HEAD RECEPTOR	ALLOY 6063-T6	CHAMPION GLASS
02	CHGL-301TB	SILL RECEPTOR	ALLOY 6063-T6	CHAMPION GLASS
03	CHGL-303TB	PERIMETER - HEAD/SILL/JAMB	ALLOY 6063-T6	CHAMPION GLASS
04	CHGL-304TB	SNAP-IN	ALLOY 6063-T6	CHAMPION GLASS
05	CHGL-305TB	HORIZONTAL MULLION	ALLOY 6063-T6	CHAMPION GLASS
06	CHGL-306	GLASS STOP FOR 1 1/4" GLASS	ALLOY 6063-T6	CHAMPION GLASS
07	CHGL-307	GLASS STOP FOR 1/4" GLASS	ALLOY 6063-T6	CHAMPION GLASS
08	CHGL-308A	VERTICAL H-MULLION	ALLOY 6063-T6	CHAMPION GLASS
09	CHGL-G33	GLAZING VINYL	SANTOPRENE_PROPOLENE	MELTPOINT
10	CHGL-G36	RECEPTOR VINYL	TPV_PROPOLENE	MELTPOINT
11	CHGL-S34	FABRICATION SCREWS	ST. STEEL	12X1.5
12	CHGL-SB35	SETTING BLOCKS	TPV	.25 X 1.25 X 4
13	-	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	-
-	-	-	-



6/29/2026

REVISIONS		NO.	DATE	DESCRIPTION
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		<	<	<
		<	<	<
		<	<	<
		<	<	<

ENGINEER:
TURNER ENGINEERING & CONSULTING, INC.
2428 OLD NATCHEZ TRC. TRL.
CHAMBERLAIN 38320
941-366-1074
P.E. #58201

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
(NON-IMPACT)

PRODUCT APPROVAL #:
FL #46849.1

SCALE:
NOTED

DATE:
02/11/2026

DWG NO.
CHGL-325 N.I.-2026

SHEET No:
07 OF 07