

DESIGN LOAD CAPACITY - PSF			
GLASS WIDTH	D.L. OPG. HEIGHT	GLASS TYPES 'A' & 'B'	
		EXT.(+)	INT.(-)
60"	54"	110.0	110.0
72"		110.0	110.0
84"		110.0	110.0
96"		110.0	110.0
120"		110.0	110.0
132"		110.0	110.0
168"		110.0	110.0
240"		110.0	110.0
60"	60"	110.0	110.0
72"		110.0	110.0
84"		110.0	110.0
96"		110.0	110.0
120"		110.0	110.0
132"		110.0	110.0
144"		110.0	110.0
156"		110.0	110.0
192"		110.0	110.0
228"		110.0	110.0
72"	72"	110.0	110.0
84"		110.0	110.0
96"		110.0	110.0
120"		110.0	110.0
144"		110.0	110.0
156"		110.0	110.0
192"		110.0	110.0
84"	84"	110.0	110.0
96"		110.0	110.0
120"		110.0	110.0
144"		110.0	110.0
156"		110.0	110.0
164"	164"	110.0	110.0
183"		70.0	110.0
96"	96"	110.0	110.0
108"		110.0	110.0
120"		110.0	110.0
144"		110.0	110.0
160"	160"	70.0	110.0
108"		110.0	110.0
120"		110.0	110.0
128"		110.0	110.0
142"	142"	70.0	110.0
96"		110.0	110.0
108"		110.0	110.0
115"		110.0	110.0
128"	120"	70.0	110.0
144"		70.0	110.0
84"	144"	110.0	110.0
96"		110.0	110.0
107"		70.0	101.9
120"		70.0	70.0

NOTE:
GLASS CAPACITIES ARE BASED ON
ASTM E1300-09 (3 SEC. GUSTS).

DESIGN LOAD CAPACITY - PSF			
GLASS WIDTH	D.L. OPG. HEIGHT	GLASS TYPES 'A' & 'B'	
		EXT.(+)	INT.(-)
114"	154-3/8"	70.0	70.0
108"	160-1/4"	65.0	65.0
102"	166-7/8"	60.0	60.0
102"	168"	60.0	60.0
102"	172-1/2"	56.2	56.2
102"	173-3/4"	55.4	55.4

SERIES 'SLIMPACT XIV' GLASS WALL SYSTEM

APPROVAL APPLIES TO SINGLE OR MULTIPLE LITE CONFIGURATIONS WITH STRAIGHT AND CURVED GLASS UNITS. SEE CHART ABOVE FOR GLASS LOAD CAPACITY. (FOR CURVED UNITS 'GLASS WIDTH' IS CONSIDERED TO BE ARC LENGTH)

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

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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

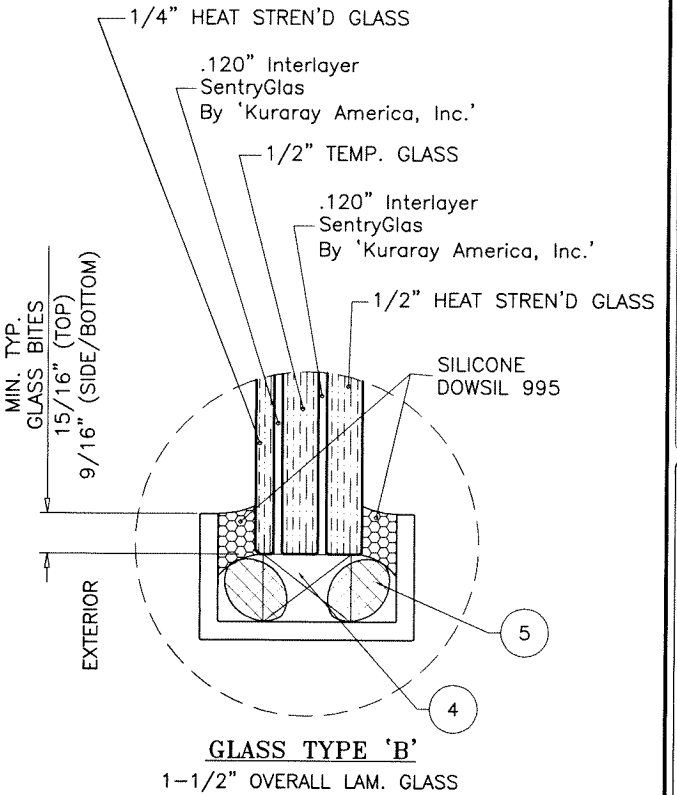
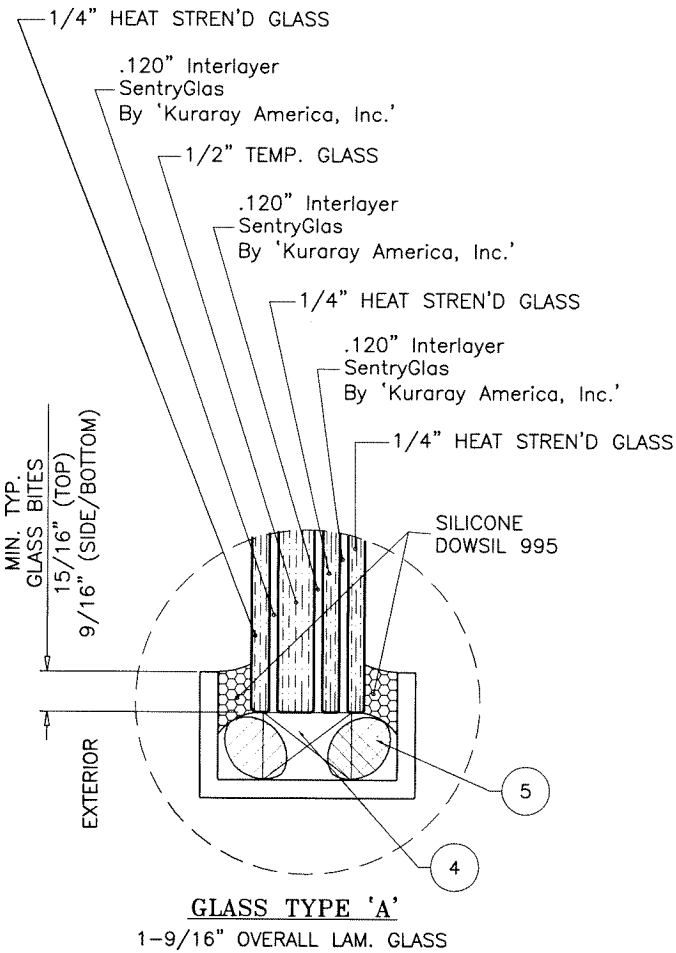
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.



GLAZING OPTIONS

GLASS WALL SYSTEM COMPLY WITH REQUIREMENTS OF ANSI Z97.1.

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Sealed: 2/17/2025

FL #25673

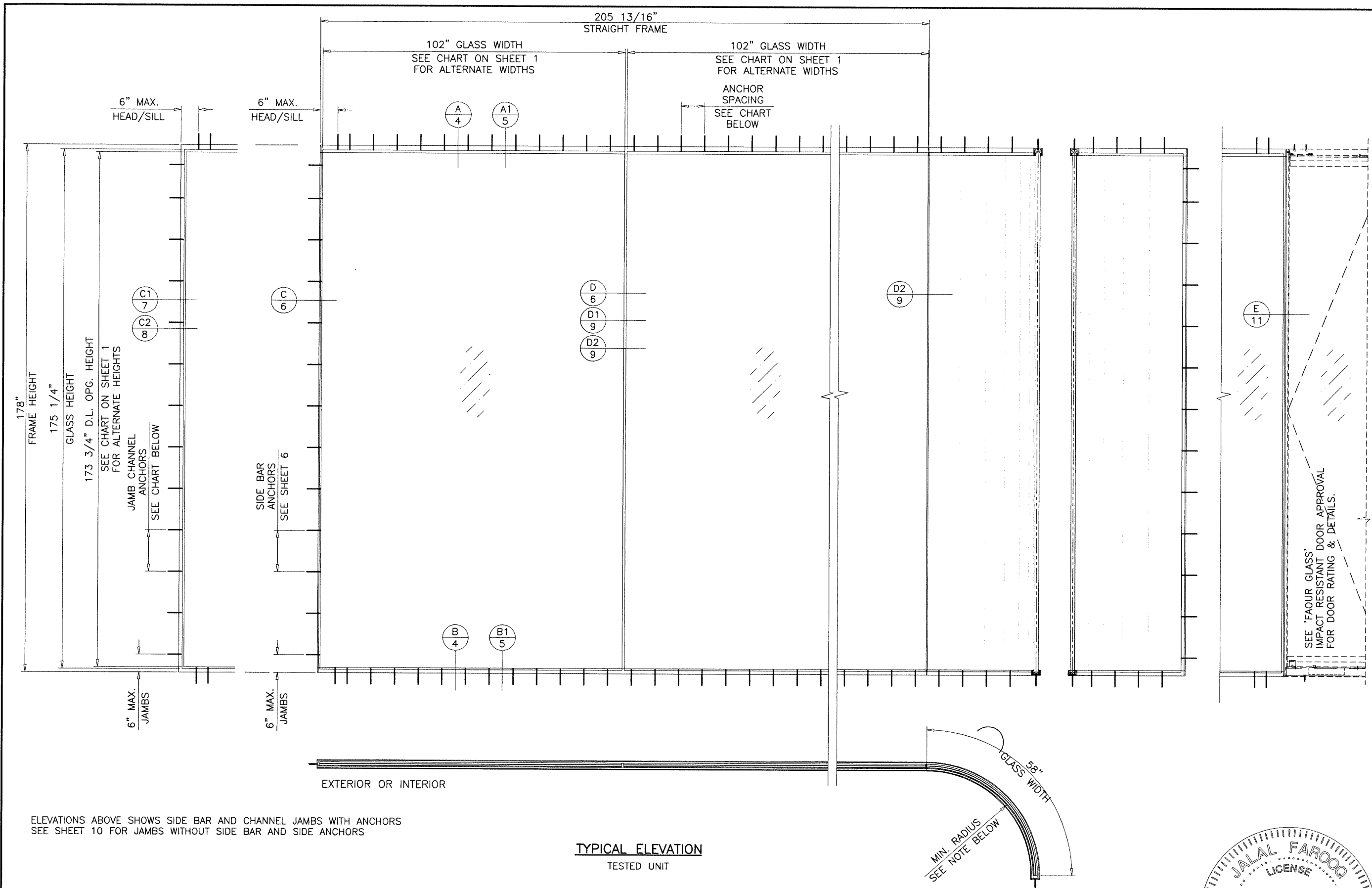
A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE 24-62F-FGT

'SLIMPACT XIV' GLASS WALL SYSTEM (L.M.I.)
Faour Glass Technologies
5119 West Knox Street
Tampa, FL. 33634
Tel. (813) 884-3297 Fax. (-)

revisions:		no	date	by	description
		A	01.26.26		CURVED GLASS OPTION ADDED
date:	10-04-24				
scale:	3/8" = 1"				
dr. by:	TARIQ				
chk. by:					
drawing no.	24-62F				
sheet	1 of 12				



ELEVATIONS ABOVE SHOWS SIDE BAR AND CHANNEL JAMBS WITH ANCHORS
SEE SHEET 10 FOR JAMBS WITHOUT SIDE BAR AND SIDE ANCHORS

TYPICAL ELEVATION
TESTED UNIT

ANCHOR TYPE	ANCHOR SPACING INCHES					
	MAX. LOADS UPTO 70.0 PSF		MAX. LOADS UPTO 80.0 PSF		MAX. LOADS ABOVE 80.0 PSF	
	HEAD/SILL	CHANNEL JAMBS	HEAD/SILL	CHANNEL JAMBS	HEAD/SILL	CHANNEL JAMBS
A	6-3/4"	8"	6-3/8"	6-3/8"	4"	4"
B	8"	14"	9"	14"	8"	8"
C	8"	14"	9"	12-3/4"	8"	8"
D	-	12"	-	9-3/4"	-	8"

NOTE:
RADIUS REQUIREMENTS UNDER 72 INCHES WILL
BE PROVIDED ON A PROJECT BY PROJECT BASIS.

Sealed: 2/17/2025

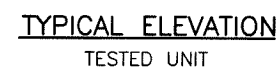
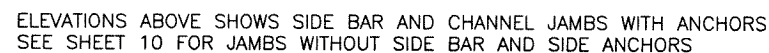
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revisions:		no		date		by		description	
date: 10-04-24		scale: 3/8"=1'-0"		dr. by: TARIQ		chk. by:		drawing no. 24-62F	
								sheet 2 of 12	

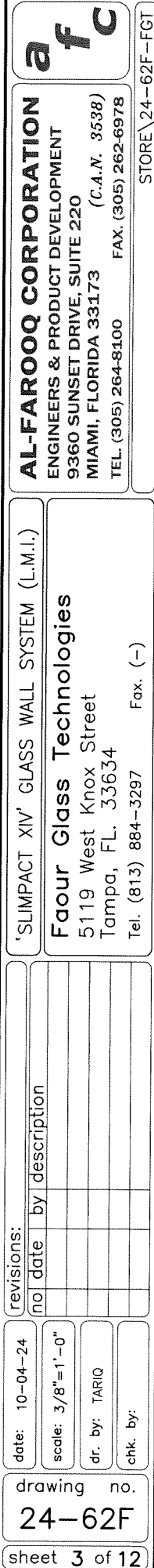


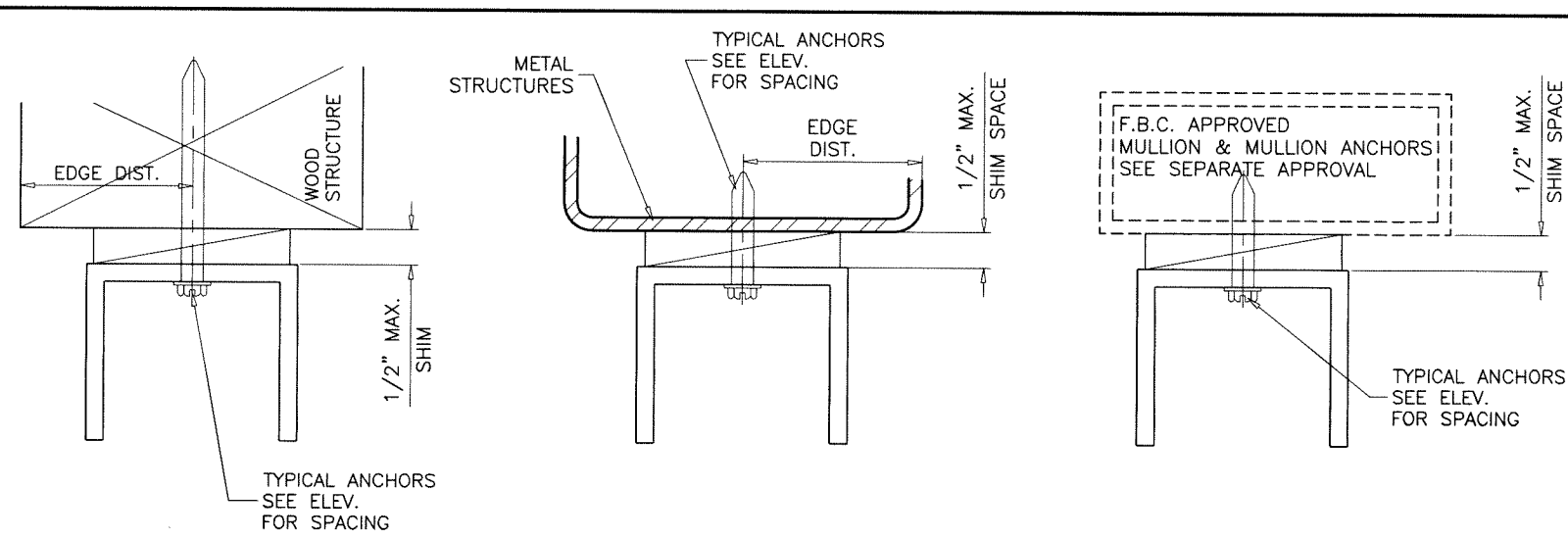
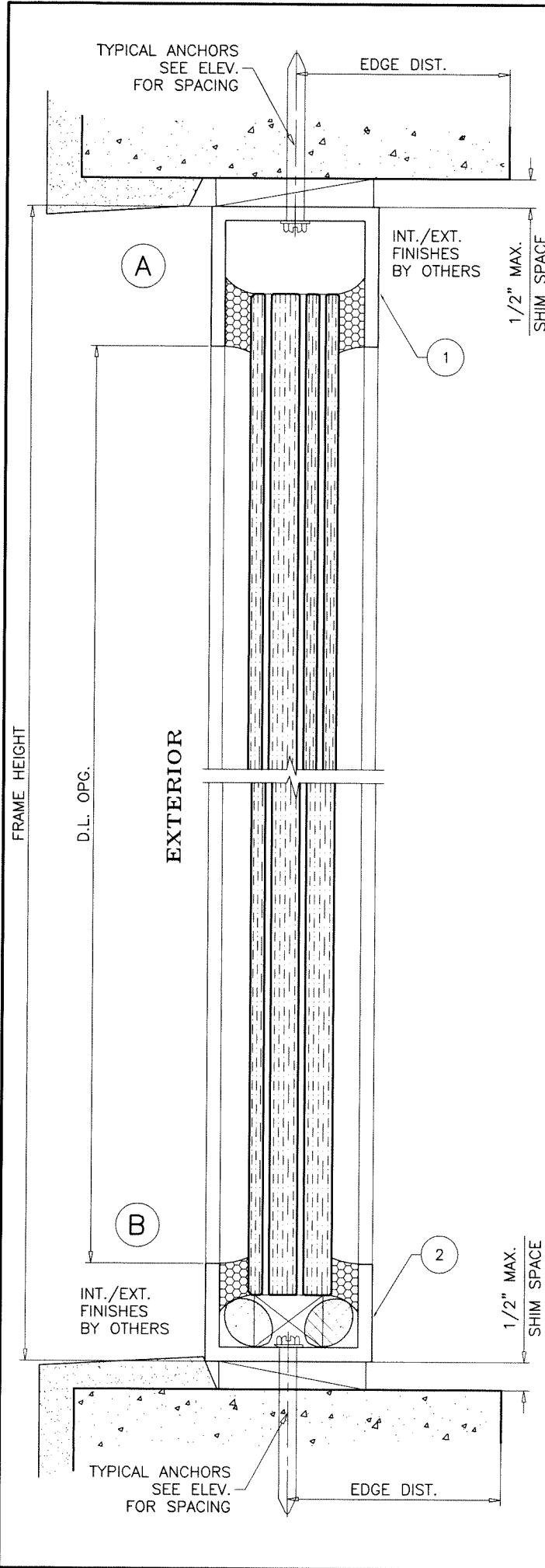
ANCHOR SPACING INCHES						
ANCHOR TYPE	MAX. LOADS UPTO 70.0 PSF		MAX. LOADS UPTO 80.0 PSF		MAX. LOADS ABOVE 80.0 PSF	
	HEAD/SILL	CHANNEL JAMBS	HEAD/SILL	CHANNEL JAMBS	HEAD/SILL	CHANNEL JAMBS
A	6-3/4"	8"	6-3/8"	6-3/8"	4"	4"
B	8"	14"	9"	14"	8"	8"
C	8"	14"	9"	12-3/4"	8"	8"
D	—	12"	—	9-3/4"	—	8"

NOTE:
RADIUS REQUIREMENTS UNDER 72 INCHES WILL
BE PROVIDED ON A PROJECT BY PROJECT BASIS.

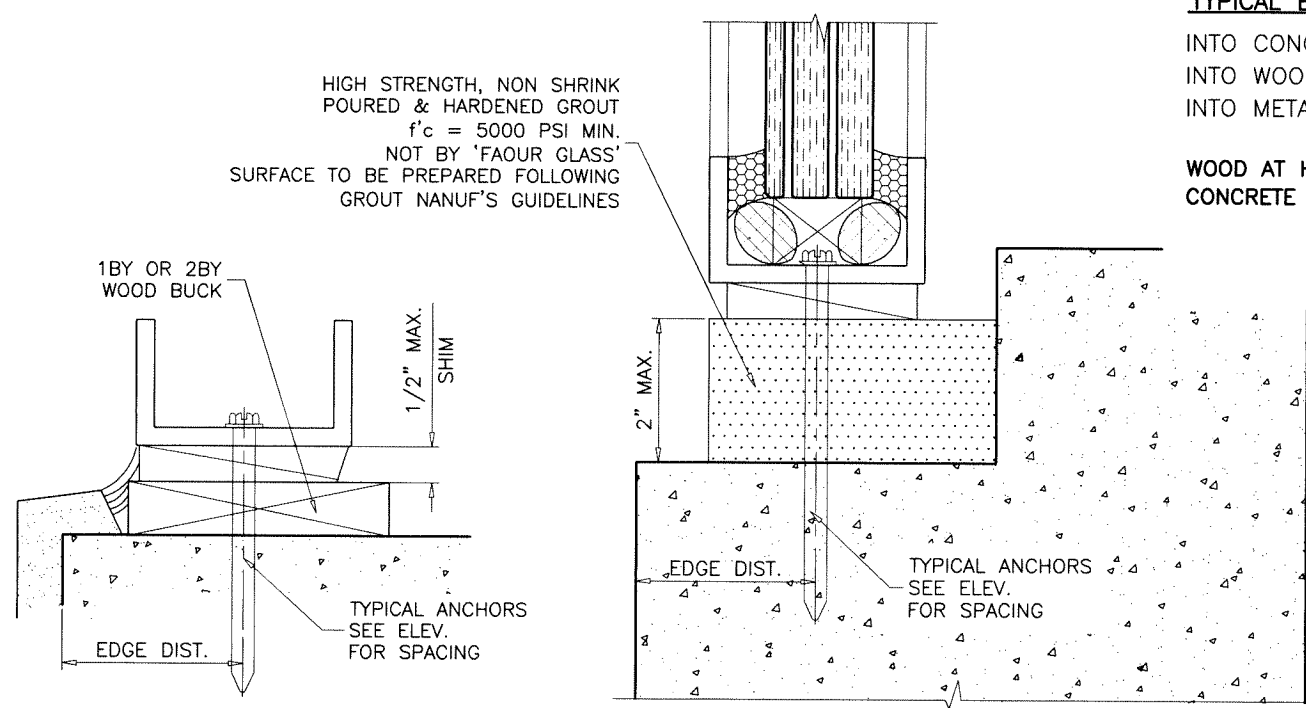
Sealed: 2/17/2025

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WOOD BUCKS AND METAL STRUCTURE NOT BY 'FAOUR GLASS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



HEAD/SILL ANCHORS: SEE ELEV. FOR SPACING

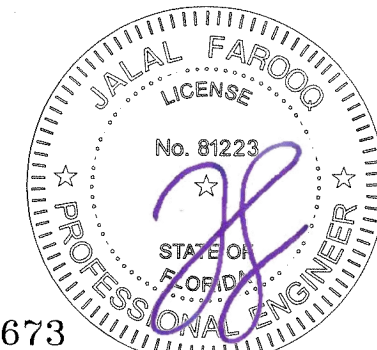
- ANCHOR 'A' - 3/8" DIA. LAG SCREWS** (Fu=177 KSI, Fy=155 KSI)
 INTO WOOD STRUCTURES
 2-1/4" MIN. PENETRATION INTO WOOD
 THRU 1BY OR 2BY BUCKS INTO CONCRETE
 1-1/2" MIN. EMBED INTO CONCRETE
- ANCHOR 'B' - 3/8" DIA. SCREW-BOLT+ BY 'DEWALT'**
 DIRECTLY INTO CONCRETE
 2" MIN. EMBED INTO CONCRETE
- ANCHOR 'C' - 3/8" DIA. Tap-Flex BY 'DEWALT'**
3/8" DIA. ST. STEEL MACHINE SCREW (Fu=120 KSI MIN., Fy=92 KSI MIN.)
 INTO METAL STRUCTURES
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE (FOR Tap-Flex)
 1/4" EMBEDMENT INTO SUBSTRATE (FOR MACHINE SCREWS)
 ALUMINUM: 1/4" THK. (6063-T5)
 STEEL: 1/4" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

- INTO CONCRETE = 2-1/2" MIN.
- INTO WOOD STRUCTURE = 1-1/2" MIN.
- INTO METAL STRUCTURE = 3/4" MIN.
- WOOD AT HEAD OR SILL SG = 0.55 MIN.
- CONCRETE AT HEAD OR SILL f'c = 3000 PSI MIN.

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FL #25673



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'SLIMPACT XIV' GLASS WALL SYSTEM (L.M.I.)

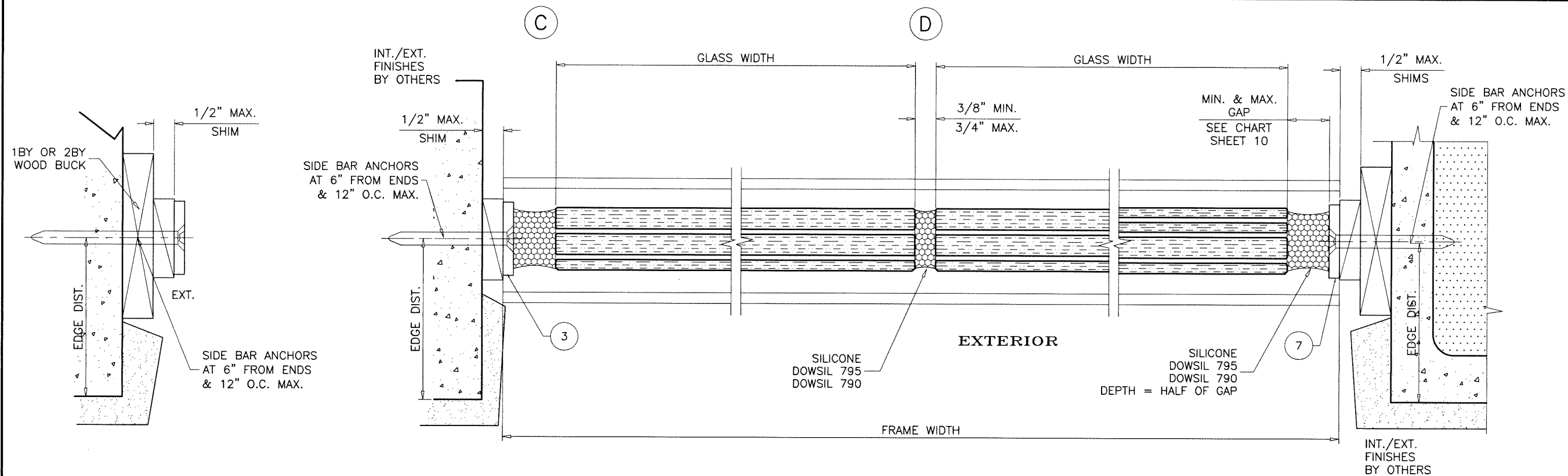
Faour Glass Technologies
 5119 West Knox Street
 Tampa, FL. 33634
 Tel. (813) 884-3297 Fax. (-)

revisions:		no date by description	
date:	10-04-24	scale:	3/8" = 1"
dr. by:	TARIQ	chk. by:	

drawing no.

24-62F

sheet 4 of 12



SIDE BAR ANCHORS: SEE ELEV. FOR SPACING

5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC.

1-1/4" MIN. EMBED INTO CONCRETE

1-1/4" MIN. EMBED INTO BLOCKS

DIRECTLY INTO CONCRETE OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE

1-3/4" MIN. EMBED INTO GROUT-FILLED BLOCKS

5/16" DIA. SELF-TAPPER SCREWS (GRADE 5 CRS)

5/16" DIA. ST. STEEL MACHINE SCREW ($F_u=120$ KSI MIN., $F_y=92$ KSI MIN.)

INTO METAL STRUCTURES

(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE (FOR SELF-TAPPER)

1/4" EMBEDMENT INTO SUBSTRATE (FOR MACHINE SCREWS)

ALUMINUM: 1/4" THK. (6063-T5)

STEEL: 1/4" THK. MIN. ($F_y = 36$ KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

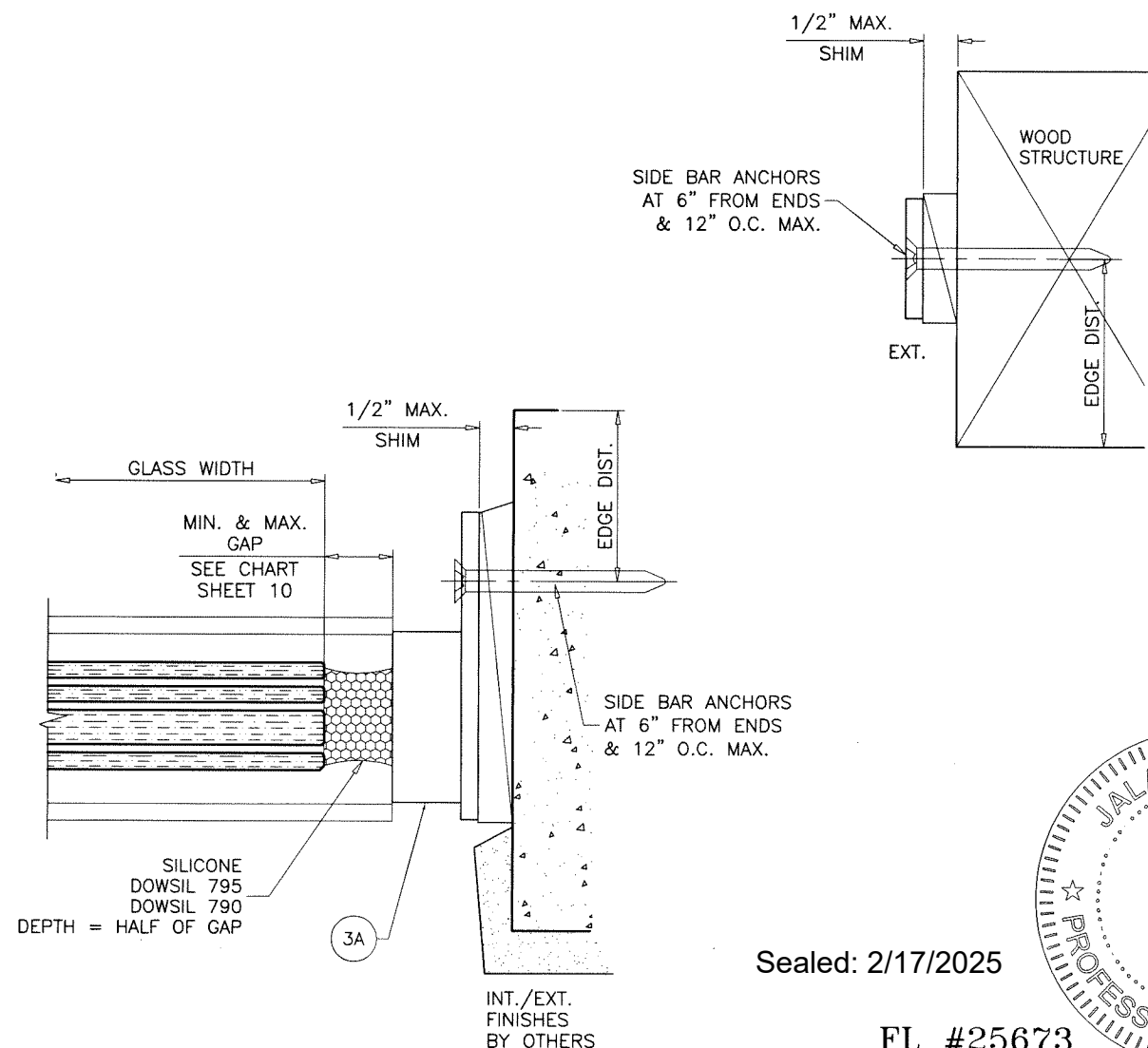
INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.



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(C.A.N. 3538)

'SLIMPACT XIV' GLASS WALL SYSTEM (L.M.I.)

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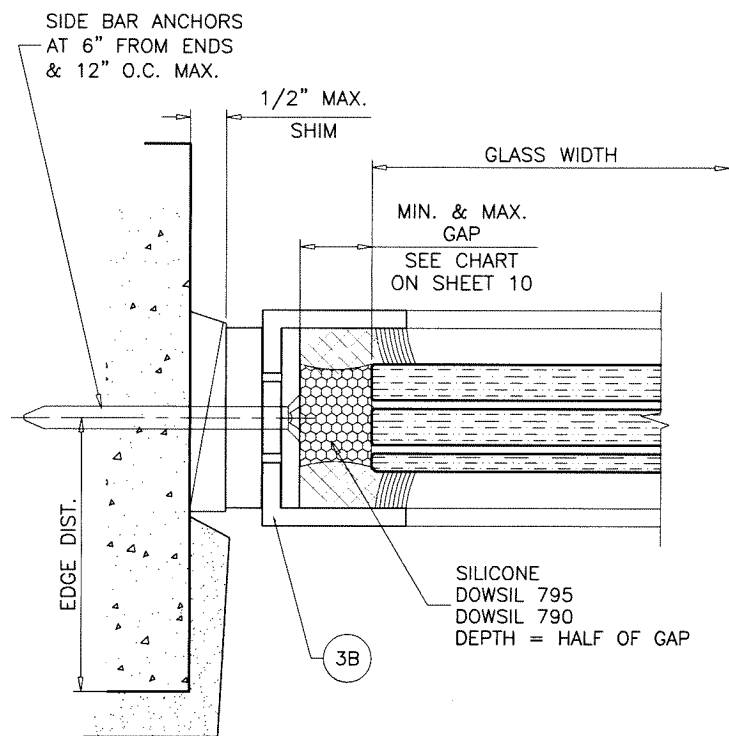
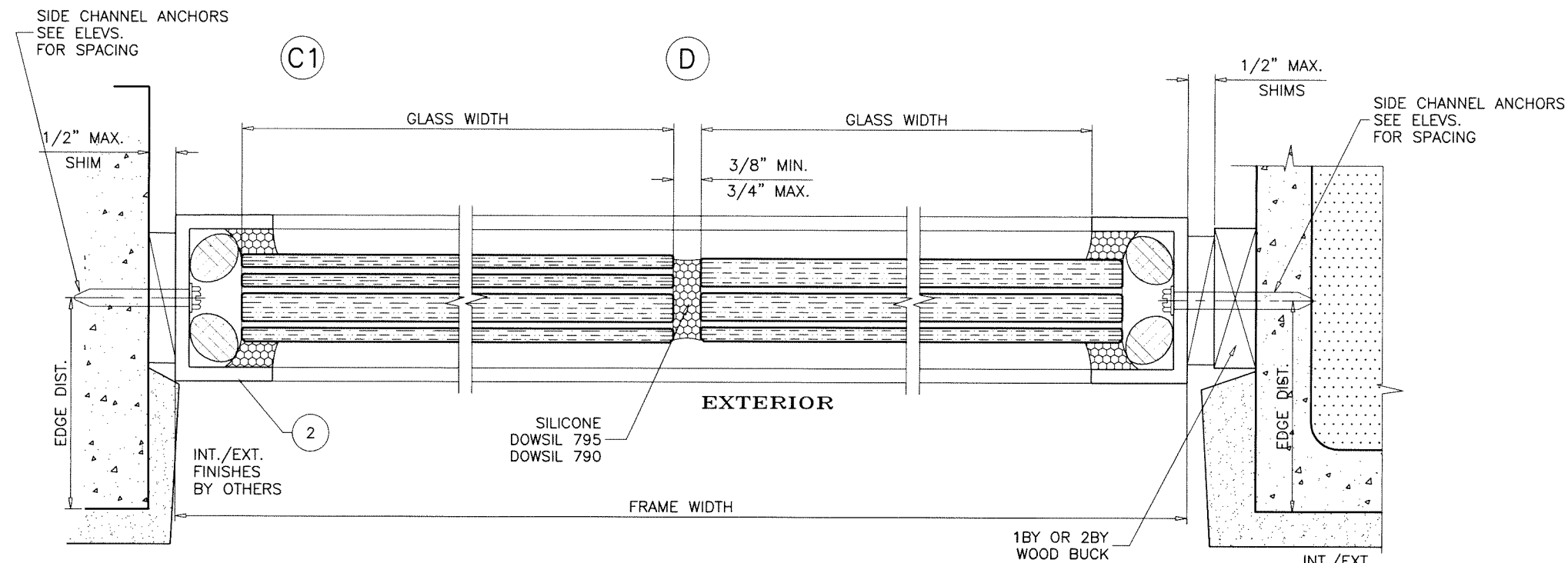
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scale:	3/8" = 1"
dr. by:	TARIQ
chk. by:	

drawing no.

24-62F

sheet 6 of 12

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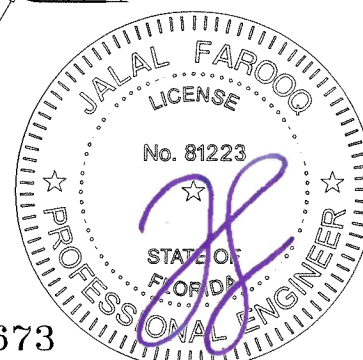
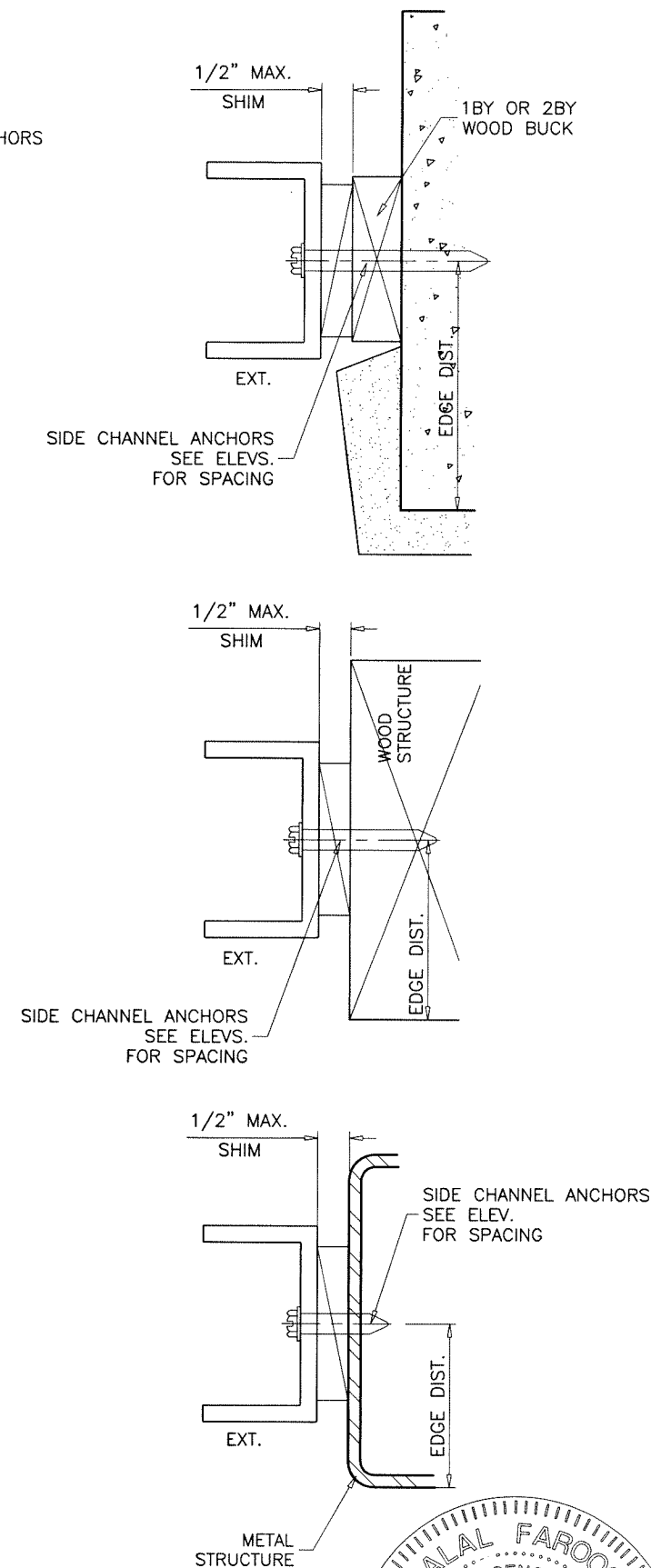


- SIDE CHANNEL ANCHORS:** SEE ELEV. FOR SPACING
- ANCHOR 'A' - 3/8" DIA. LAG SCREWS** ($F_u=177$ KSI, $F_y=155$ KSI)
 INTO WOOD STRUCTURES
 2-1/4" MIN. PENETRATION INTO WOOD
 THRU 1BY OR 2BY BUCKS INTO CONC. OR GROUT FILLED BLOCKS
 1-1/2" MIN. EMBED INTO CONCRETE
 1-1/2" MIN. EMBED INTO GROUT FILLED BLOCKS
- ANCHOR 'B' - 3/8" DIA. SCREW-BOLT+ BY 'DEWALT'**
 DIRECTLY INTO CONCRETE
 2" MIN. EMBED INTO CONCRETE
- ANCHOR 'C' - 3/8" DIA. Tap-Flex BY 'DEWALT'**
3/8" DIA. ST. STEEL MACHINE SCREW ($F_u=120$ KSI MIN., $F_y=92$ KSI MIN.)
 INTO METAL STRUCTURES
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE (FOR Tap-Flex)
 1/4" EMBEDMENT INTO SUBSTRATE (FOR MACHINE SCREWS)
 ALUMINUM: 1/4" THK. (6063-T5)
 STEEL: 1/4" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
- ANCHOR 'D' - 3/8" DIA. SCREW-BOLT+ BY 'DEWALT'**
 DIRECTLY INTO BLOCKS
 3-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS

TYPICAL EDGE DISTANCE

INTO CONCRETE = 2-1/2" MIN.
 INTO GROUT FILLED BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1-1/2" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR SIDES SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR SIDES f'_c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT SIDES f'_m = 1819 PSI MIN.



Sealed: 2/17/2025

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revisions:	
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date: 10-04-24
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
24-62F
 sheet 7 of 12

SIDE CHANNEL ANCHORS
SEE ELEV. FOR SPACING
SEE SHEET 7
FOR ANCHOR DESCRIPTION

SIDE CHANNEL ANCHORS
SEE ELEV. FOR SPACING
SEE SHEET 7
FOR ANCHOR DESCRIPTION

1/2" MAX.
SHIM

C2

GLASS WIDTH

D

GLASS WIDTH

3/8" MIN.
3/4" MAX.

1/2" MAX.
SHIMS

1/2" MAX.
SHIM

EDGE DIST.

EXT.
1BY OR 2BY
WOOD BUCK

INT./EXT.
FINISHES
BY OTHERS

2A

SILICONE
DOWSIL 795
DOWSIL 790

EXTERIOR

FRAME WIDTH

INT./EXT.
FINISHES
BY OTHERS

1/2" MAX.
SHIM

EDGE DIST.

EXT.

SIDE CHANNEL ANCHORS
SEE ELEV. FOR SPACING
SEE SHEET 7
FOR ANCHOR DESCRIPTION

WOOD
STRUCTURE

1/2" MAX.
SHIM SPACE

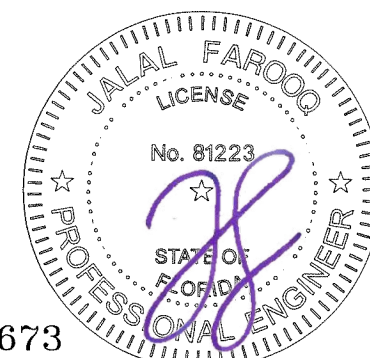
EDGE DIST.

SIDE CHANNEL ANCHORS
SEE ELEV. FOR SPACING
SEE SHEET 7
FOR ANCHOR DESCRIPTION

METAL
STRUCTURE

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afc

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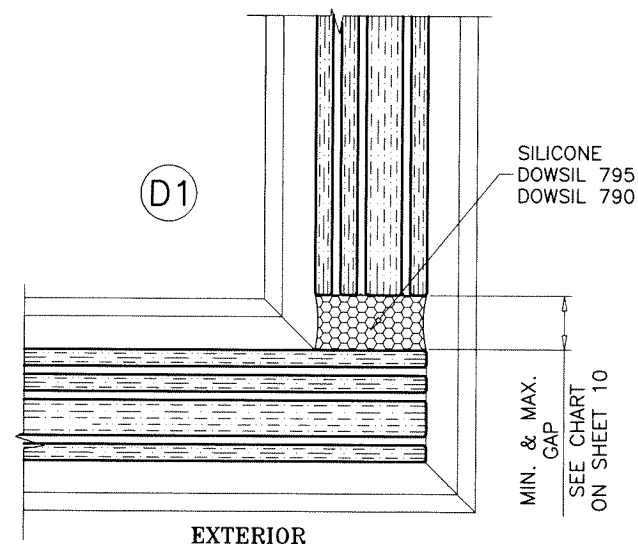
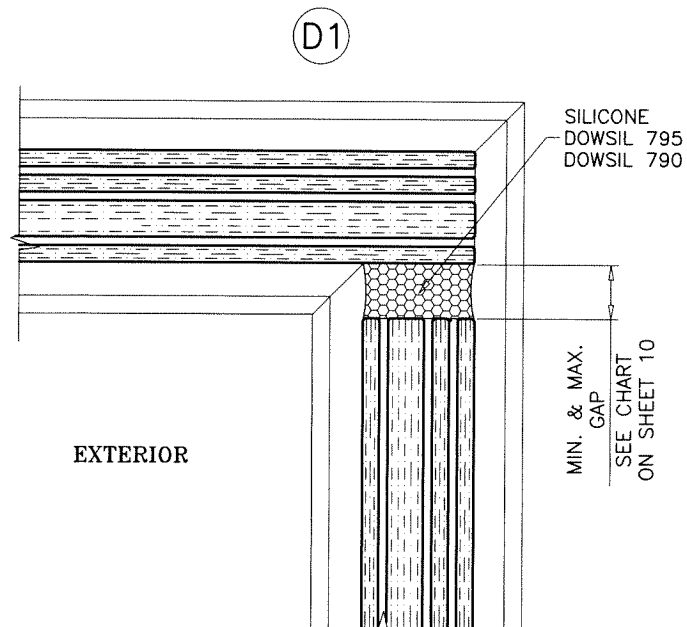
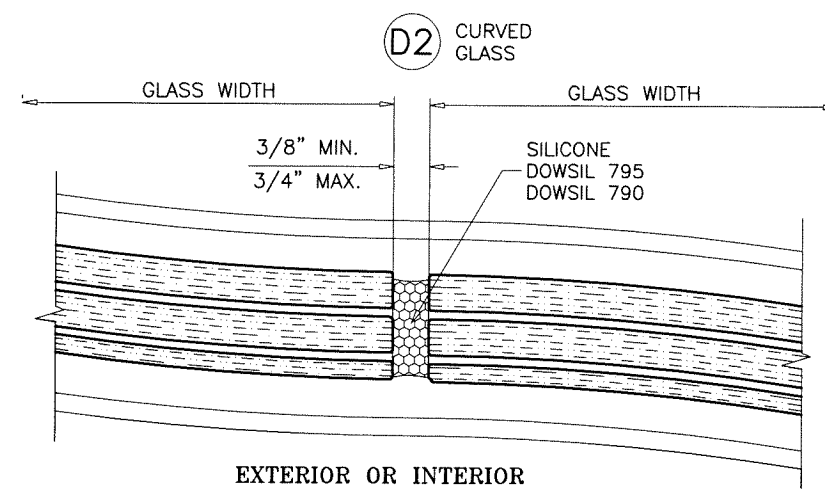
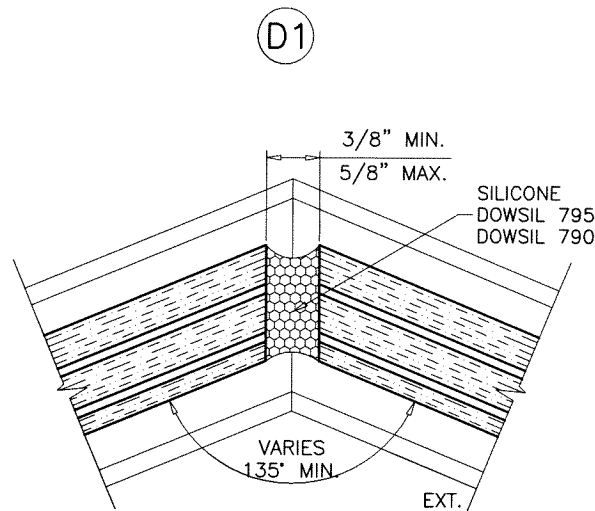
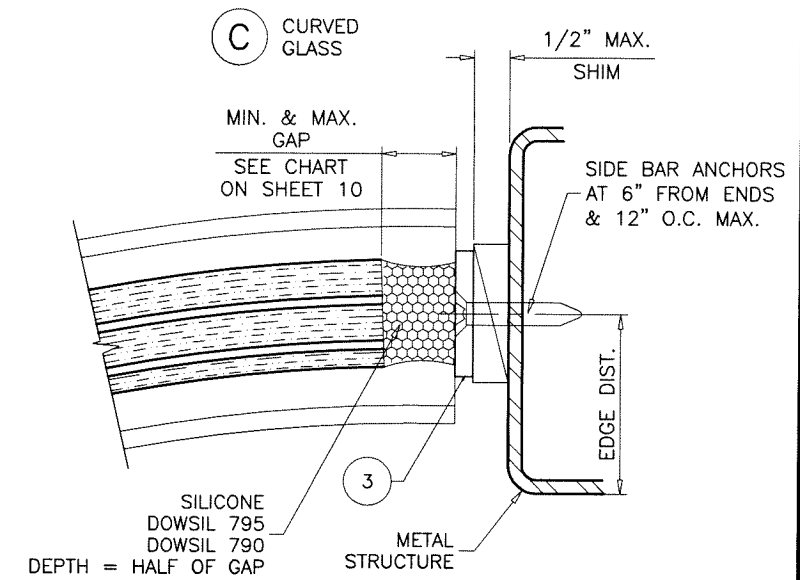
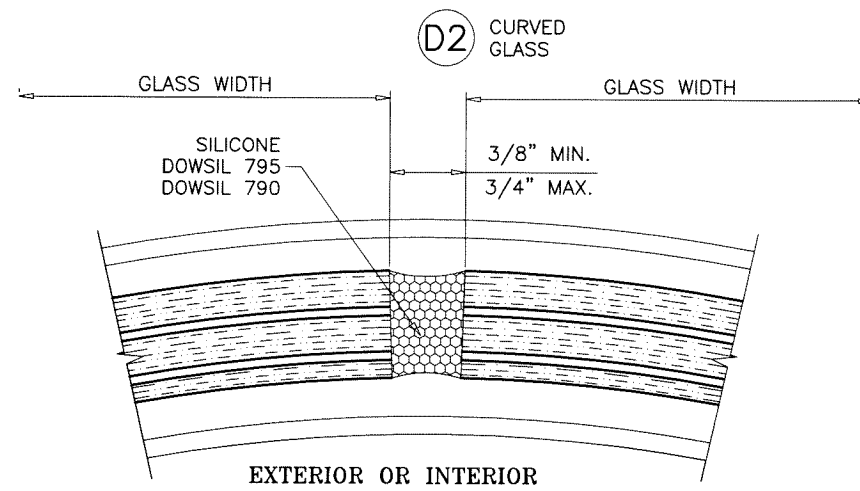
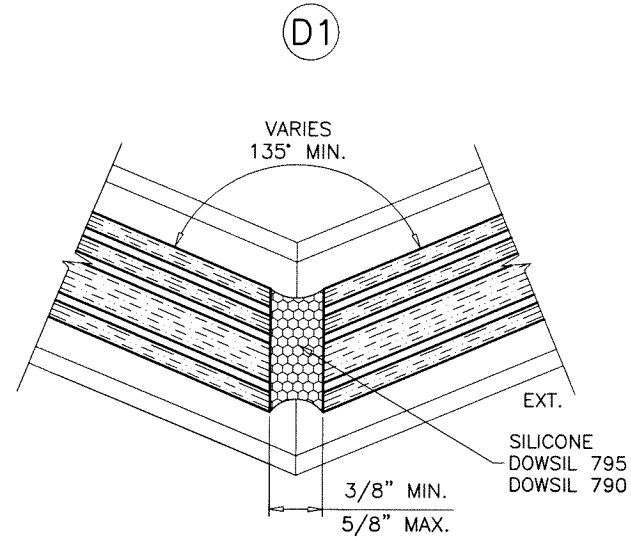
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no	date		

date: 10-04-24
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24-62F

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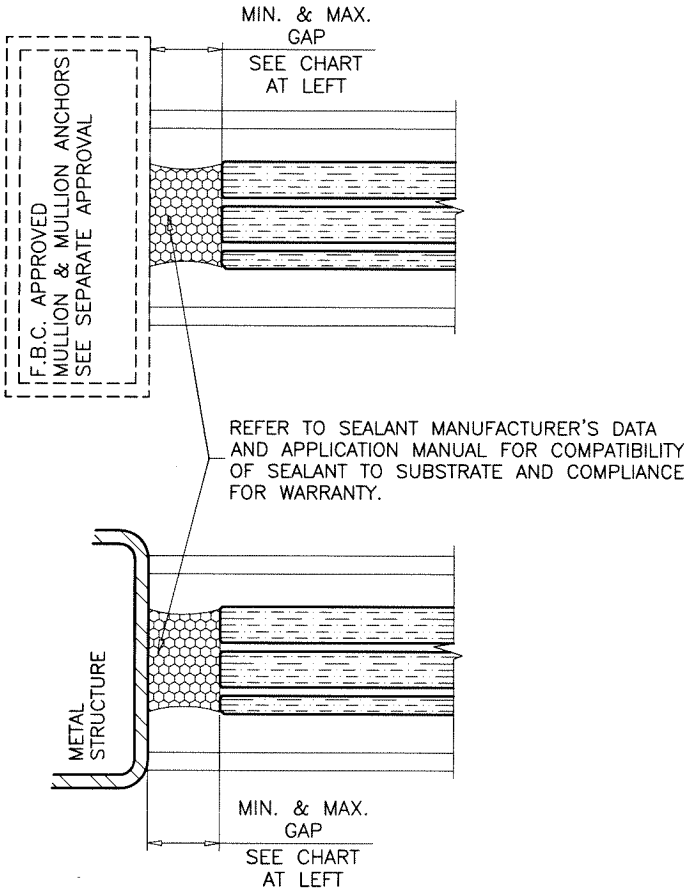
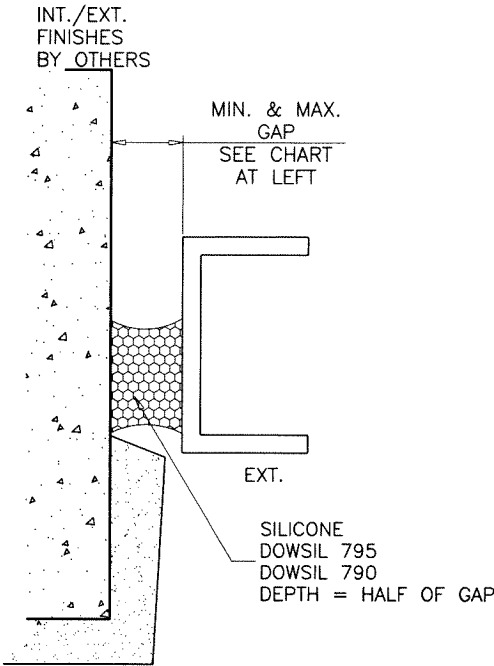
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D.L.O. HEIGHT	DESIGN LOAD PSF	GAP			
		DOWSIL 790		DOWSIL 795	
		MIN.	MAX.	MIN.	MAX.
173-3/4"	55.4	3/8"	1"	9/16"	1"
	50.0	3/8"	1"	9/16"	1"
	45.0	3/8"	1"	1/2"	1"
172-1/2"	56.2	3/8"	1"	9/16"	1"
	50.0	3/8"	1"	9/16"	1"
	45.0	3/8"	1"	1/2"	1"
168"	60.0	3/8"	1"	9/16"	1"
	55.0	3/8"	1"	1/2"	1"
	50.0	3/8"	1"	7/16"	1"
	45.0	3/8"	1"	7/16"	1"
166-7/8"	60.0	3/8"	1"	9/16"	1"
	55.0	3/8"	1"	1/2"	1"
	50.0	3/8"	1"	7/16"	1"
	45.0	3/8"	1"	7/16"	1"
160-1/4"	65.0	3/8"	1"	1/2"	1"
	60.0	3/8"	1"	1/2"	1"
	55.0	3/8"	1"	7/16"	1"
	50.0	3/8"	1"	3/8"	1"
	45.0	3/8"	1"	3/8"	1"
154-3/8"	70.0	3/8"	1"	1/2"	1"
	65.0	3/8"	1"	7/16"	1"
	60.0	3/8"	1"	7/16"	1"
	55.0	3/8"	1"	3/8"	1"
	50.0	3/8"	1"	3/8"	1"
150"	70.0	3/8"	1"	7/16"	1"
	65.0	3/8"	1"	3/8"	1"
	60.0	3/8"	1"	3/8"	1"
	55.0	3/8"	1"	3/8"	1"
	50.0	3/8"	1"	3/8"	1"
144"	110.0	3/8"	1"	9/16"	1"
	100.0	3/8"	1"	1/2"	1"
	90.0	3/8"	1"	7/16"	1"
	80.0	3/8"	1"	7/16"	1"
144"	70.0	3/8"	1"	3/8"	1"
	65.0	3/8"	1"	3/8"	1"
	60.0	3/8"	1"	3/8"	1"
	55.0	3/8"	1"	3/8"	1"
	50.0	3/8"	1"	3/8"	1"
	45.0	3/8"	1"	3/8"	1"

NOTE:
 MAX. MOVEMENT CONSIDERED FOR DOWSIL 795 = 50% STRETCH.
 MAX. MOVEMENT CONSIDERED FOR DOWSIL 790 = 100% STRETCH.
 PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION
 MANUAL FOR COMPATIBILITY OF SEALANT TO SUBSTRATE & WINDOW WALL
 MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
 REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY
 ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.



Sealed: 2/17/2025

FL #25673

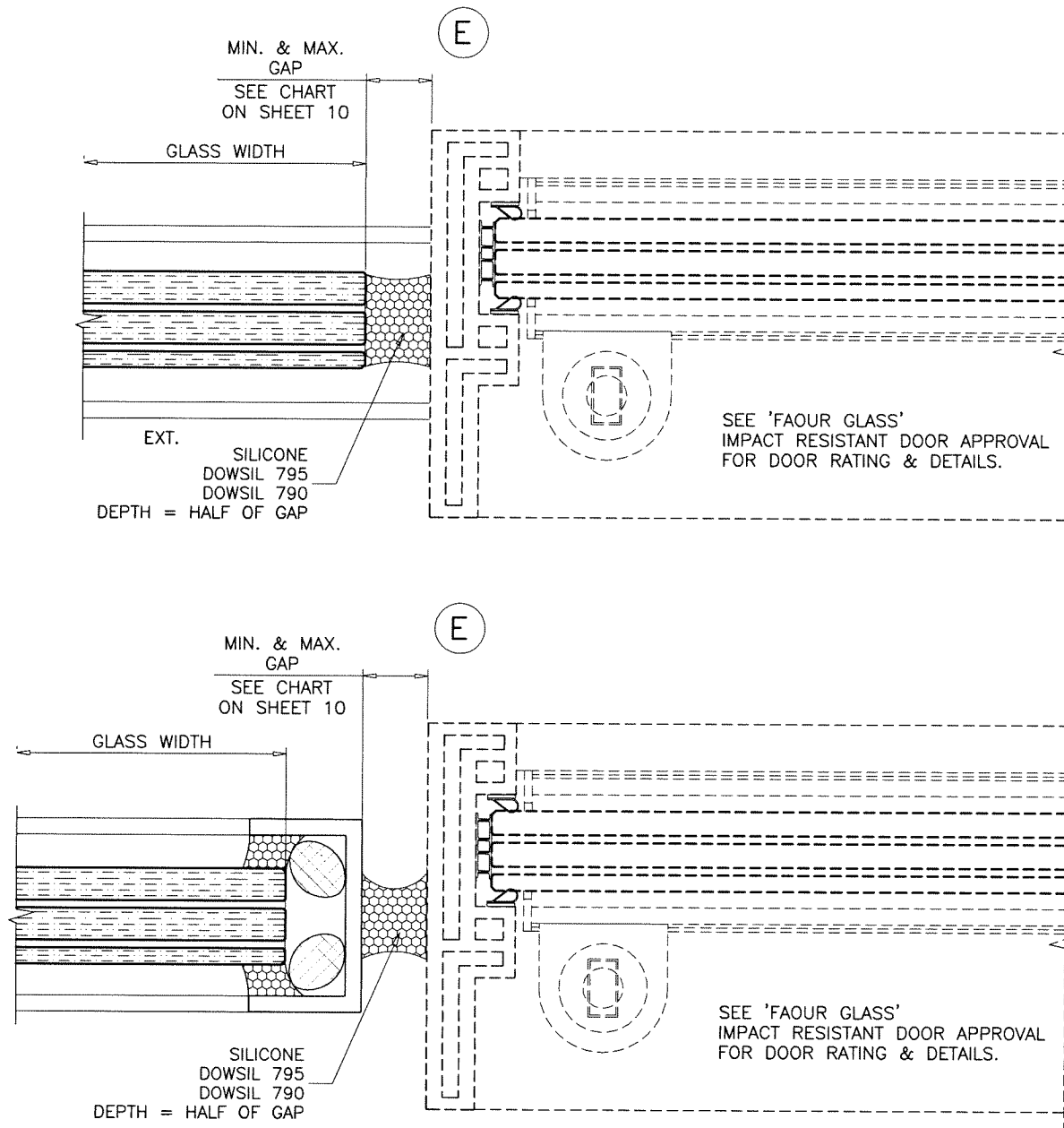


AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978

STORE \24-62F-FGT

'SLIMPACT XIV' GLASS WALL SYSTEM (L.M.I.)
Faour Glass Technologies
 5119 West Knox Street
 Tampa, FL. 33634
 Tel. (813) 884-3297 Fax. (-)

revisions:	
no	date by description
date:	10-04-24
scale:	3/8" = 1"
dr. by:	TARIQ
chk. by:	
drawing no.	
24-62F	
sheet 10 of 12	



SEE SEPARATE APPROVAL FOR DOOR HEIGHT
AND DESIGN LOAD CAPACITY OF DOOR AND
DOOR ANCHORS.

LOWER VALUES FROM DOOR APPROVAL
OR GLASS WALL SYSTEM CAPACITY WILL
APPLY TO ENTIRE SYSTEM.

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FL #25673



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chk. by:

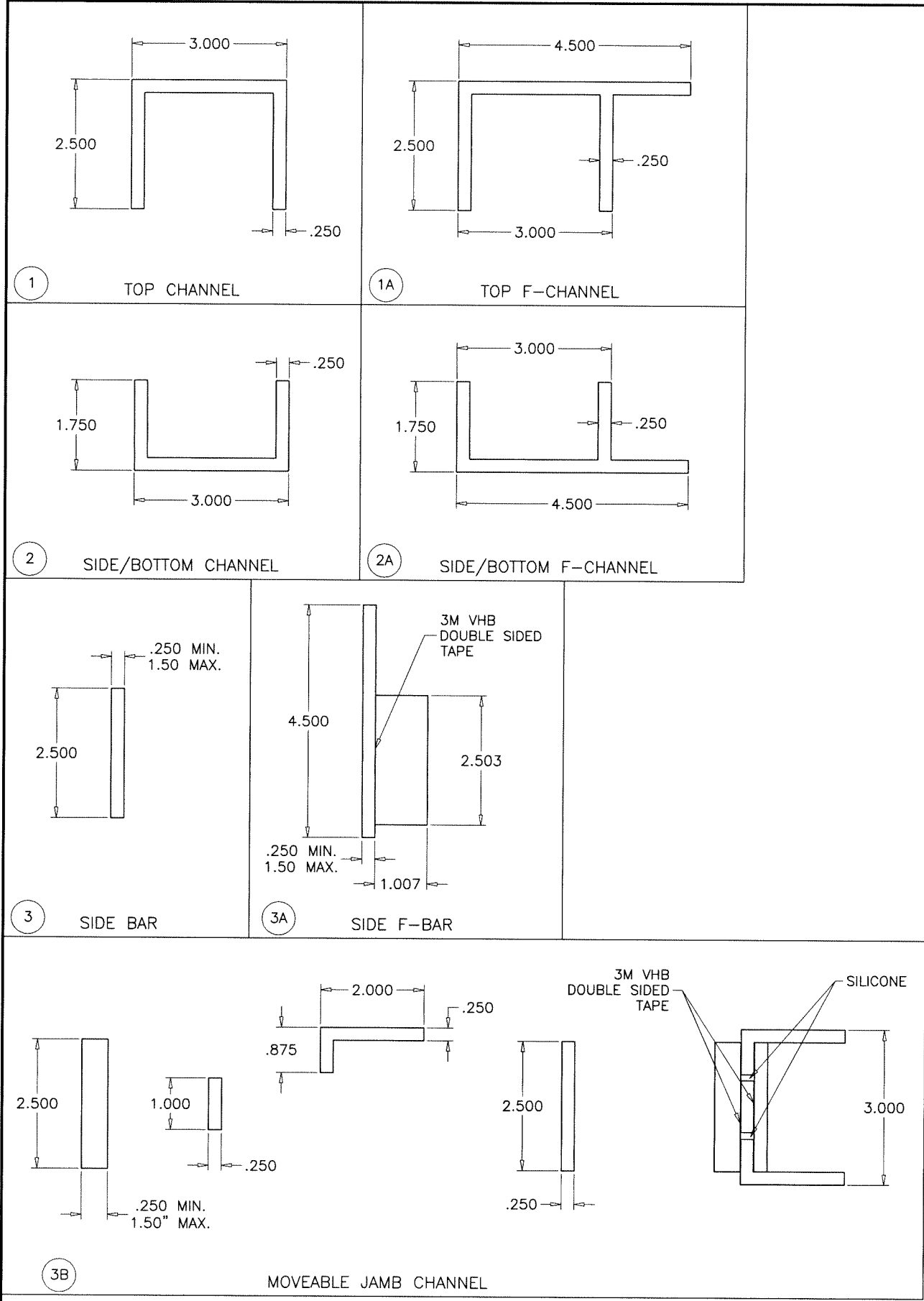
drawing no.

24-62F

sheet 11 of 12

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ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	AS REQD.	TOP CHANNEL	6063-T5	-
1A	-	AS REQD.	TOP F-CHANNEL	6063-T5	-
2	-	AS REQD.	SIDE/BOTTOM CHANNEL	6063-T5	-
2A	-	AS REQD.	SIDE/BOTTOM F-CHANNEL	6063-T5	-
3	-	AS REQD.	SIDE BAR	6061-T6	-
3A	-	AS REQD.	SIDE F-BAR	6063-T52	-
3B	-	AS REQD.	MOVEABLE JAMB CHANNEL	6063-T52	-
4	-	2/ LITE	SETTING BLOCKS AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
5	-	AS REQD.	5/8" DIA. BACKER ROD	FOAM	-
6	DOWSIL 995	AS REQD.	GLAZING COMPOUND	SILICONE	-
7	-	-	-	-	-

SEALANT:
ALL FRAME JOINTS SQUARE-CUT AND BUTTED,
SEALED WITH DOWSIL 123 SILICONE SEAL TAPE.



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sheet 12 of 12

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STORE 24-62F-FGT