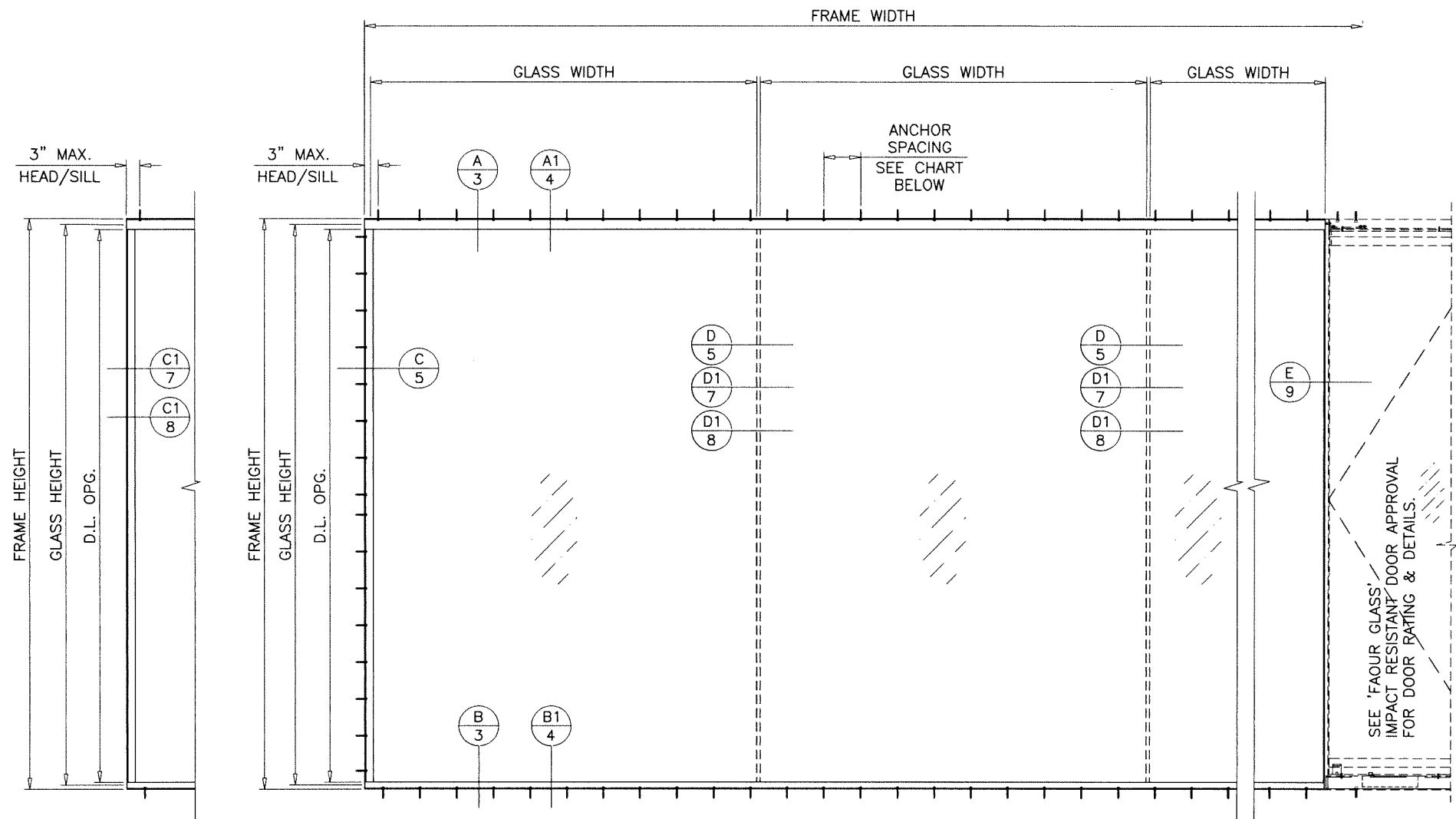




TYPICAL ELEVATION

NOTE:
GLASS CAPACITIES ARE BASED ON
ASTM E1300-16 (3 SEC. GUSTS).

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

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET
CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES.
COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

SERIES 'SLIMPACT XL' GLASS WALL SYSTEM

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2023 (8TH EDITION)/2026 (9TH 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 LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL
OR OTHER RIGID MATERIALS).

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2023/2026 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.

CHART 1

ANCHOR TYPE	ANCHOR SPACING			
	MAX. DESIGN LOADS UPTO 80 PSF		MAX. DESIGN LOADS ABOVE 80 PSF	
	HEAD/SILL	JAMBS	HEAD/SILL	JAMBS
A	6-3/8"	6-3/8"	4"	4"
B	9"	14"	8"	8"
C	9"	12-3/4"	8"	8"
D	-	9-3/4"	-	8"

CHART 2

DESIGN LOAD CAPACITY - PSF			
GLASS WIDTH	D.L.O. HEIGHT	GLASS TYPES 'A' & 'B'	GLASS TYPE 'C'
		EXT(+)/INT.(-)	EXT(+)/INT.(-)
96"	144"	110	80.0
104 3/4"	132"	110	80.0
115 1/4"	120"	110	80.0
128"	108"	110	80.0
164 9/16"	84"	110	80.0
192"	72"	110	80.0

NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY. NOT TO EXCEED A MAX
D.L.O. HEIGHT OF 144" FOR STOREFRONT CONFIGURATION.

APPROVAL APPLIES TO SINGLE OR MULTIPLE 'SLIMPACT XL' UNIT INSTALLATIONS

MAX. DESIGN LOAD (GLASS TYPES A & B) = ±110 PSF
MAX. DESIGN LOAD (GLASS TYPE C) = ±80 PSF

FOR SINGLE LITE UNITS:
SEE CHART ON SHEET 2.

FOR MULTIPLE LITES UNIT
MAX. SLIMPACT XL FRAME HEIGHT = 148 1/4 IN.
MAX. GLASS/DLO AREA = 96 SQ FT.

Sealed: 9/18/2026

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.



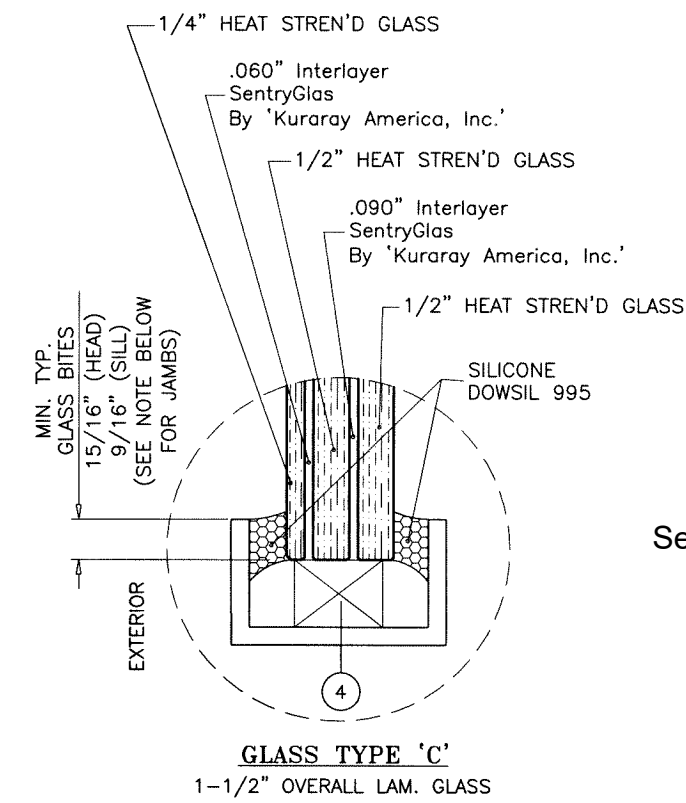
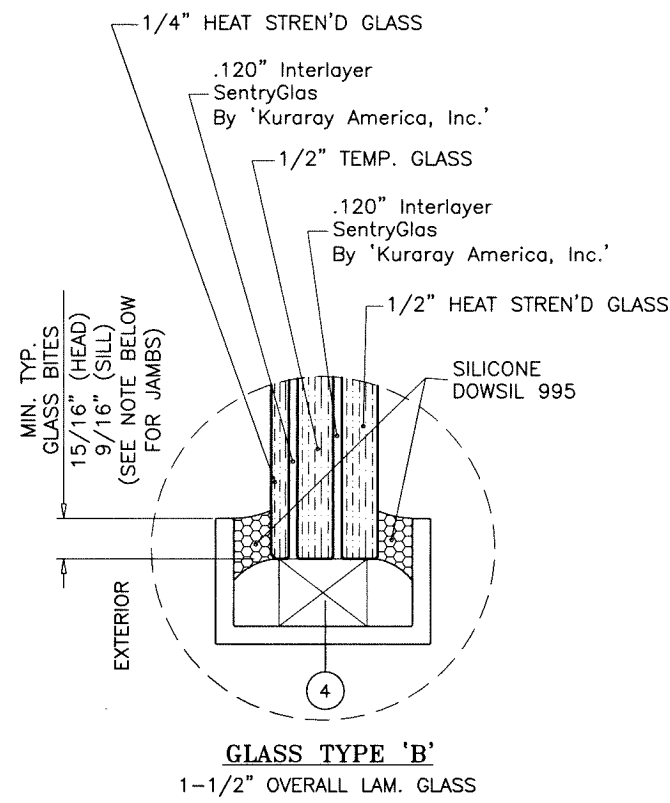
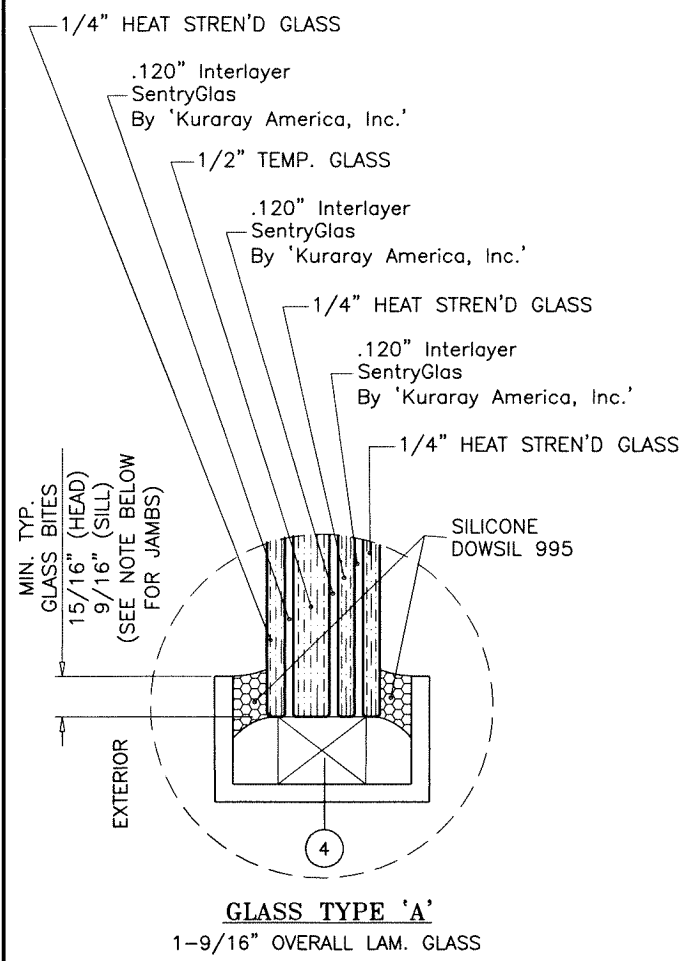
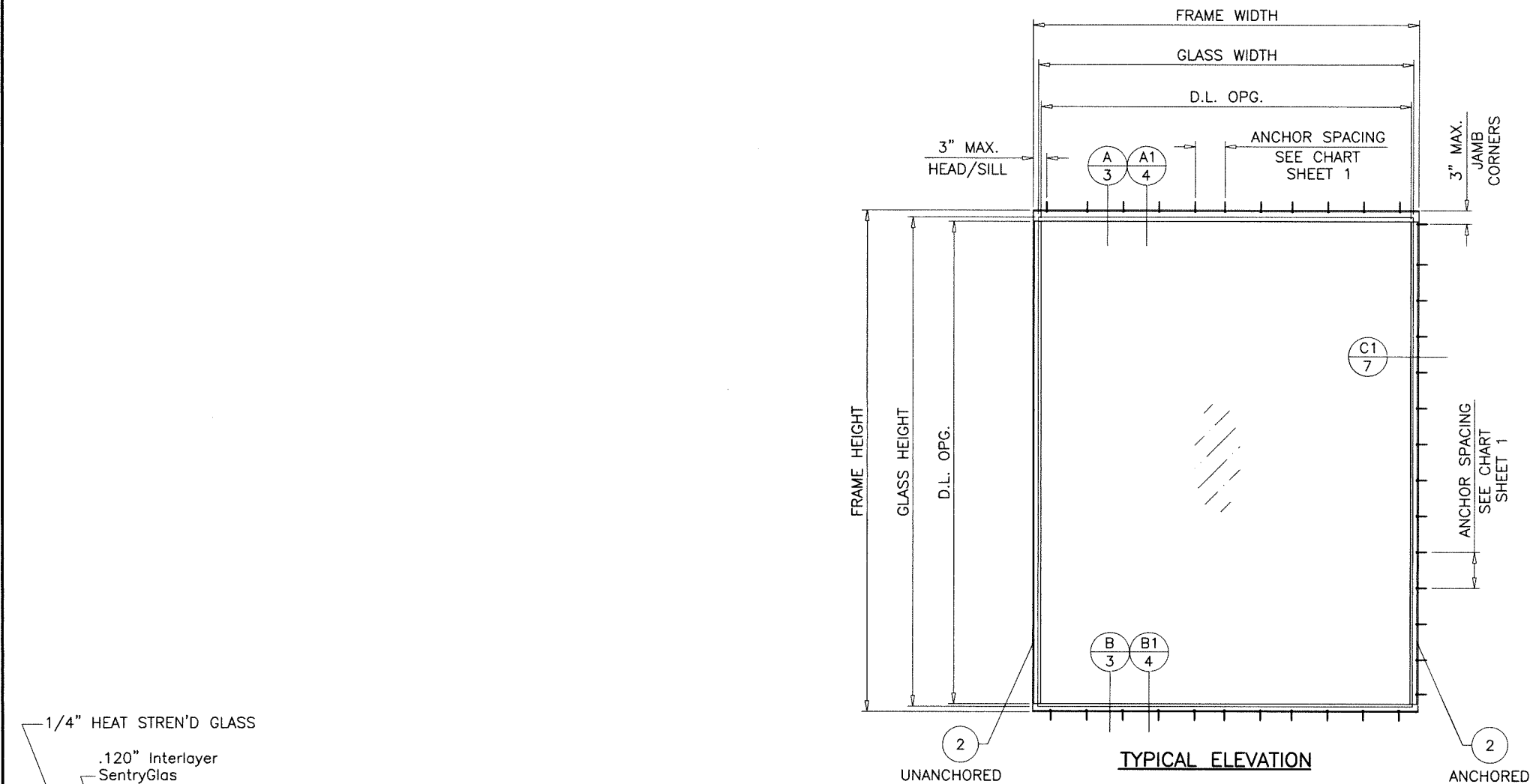
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W18-27FGT

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

revisions:	no	date	by	description
	E	08.16.23		UPDATED TO 2023 FBC
	F	10.18.24		GENERAL REVISION
	G	01.26.26		CURVED GLASS OPTION ADDED
	H	09.18.26		UPDATED TO 2026 FBC

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dr. by:	MLS
chk. by:	

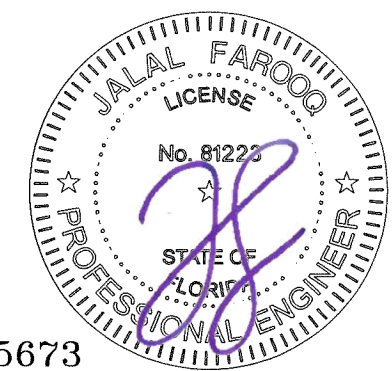
drawing no.	W18-27
sheet	1 of 10



GLASS BITE AT JAMBS:
1/2" MIN. BITE FOR LOADS UPTO 80.0 PSF
5/8" MIN. BITE FOR LOADS ABOVE 80.0 PSF

DESIGN LOAD CAPACITY - PSF					
D.L.O. DIMS.		GLASS TYPES 'A' & 'B'		GLASS TYPE 'C'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
60"	54"	110.0	110.0	80.0	80.0
72"		110.0	110.0	80.0	80.0
84"		110.0	110.0	80.0	80.0
96"		110.0	110.0	80.0	80.0
120"		110.0	110.0	80.0	80.0
132"		110.0	110.0	80.0	80.0
168"		110.0	110.0	80.0	80.0
228"		110.0	110.0	80.0	80.0
240"		110.0	110.0	80.0	80.0
60"	60"	110.0	110.0	80.0	80.0
72"		110.0	110.0	80.0	80.0
84"		110.0	110.0	80.0	80.0
96"		110.0	110.0	80.0	80.0
120"		110.0	110.0	80.0	80.0
132"		110.0	110.0	80.0	80.0
144"		110.0	110.0	80.0	80.0
156"		110.0	110.0	80.0	80.0
192"		110.0	110.0	80.0	80.0
228"		110.0	110.0	80.0	80.0
72"	72"	110.0	110.0	80.0	80.0
84"		110.0	110.0	80.0	80.0
96"		110.0	110.0	80.0	80.0
120"		110.0	110.0	80.0	80.0
144"		110.0	110.0	80.0	80.0
156"		110.0	110.0	80.0	80.0
192"		110.0	110.0	80.0	80.0
84"	84"	110.0	110.0	80.0	80.0
96"		110.0	110.0	80.0	80.0
120"		110.0	110.0	80.0	80.0
144"		110.0	110.0	80.0	80.0
156"	96"	110.0	110.0	80.0	80.0
108"		110.0	110.0	80.0	80.0
120"		110.0	110.0	80.0	80.0
144"	108"	110.0	110.0	80.0	80.0
108"		110.0	110.0	80.0	80.0
120"		110.0	110.0	80.0	80.0
96"	120"	110.0	110.0	80.0	80.0
108"		110.0	110.0	80.0	80.0
84"	144"	110.0	110.0	80.0	80.0
96"		110.0	110.0	80.0	80.0

Sealed: 9/18/2026



FL #25673

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

SERIES 'SLIMPACT XL' SSG GLASS WALL SYS. (L.M.I.)

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

revisions:	no	date	by	description

date: 01-31-18

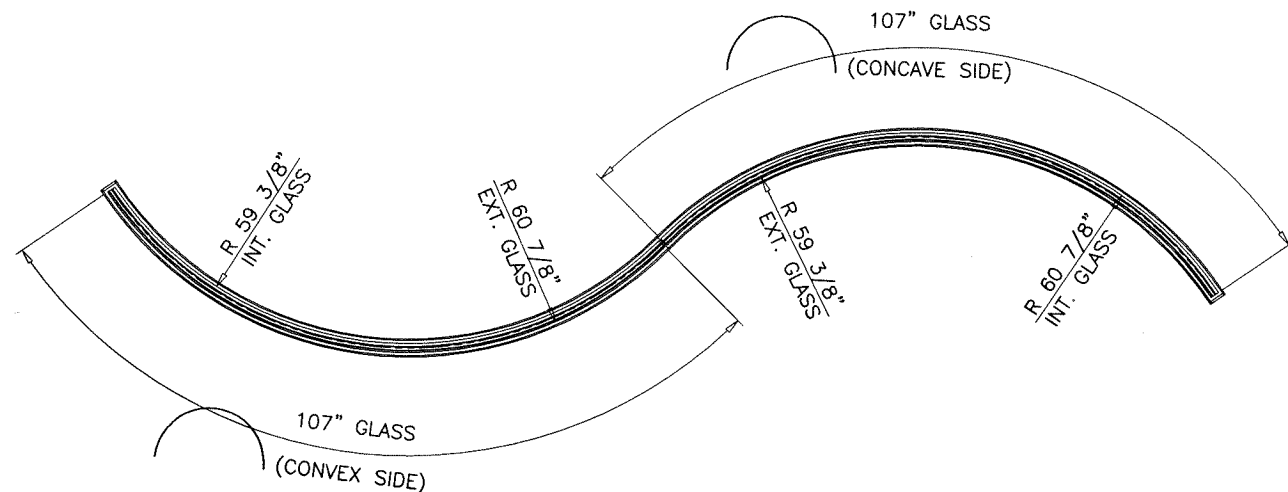
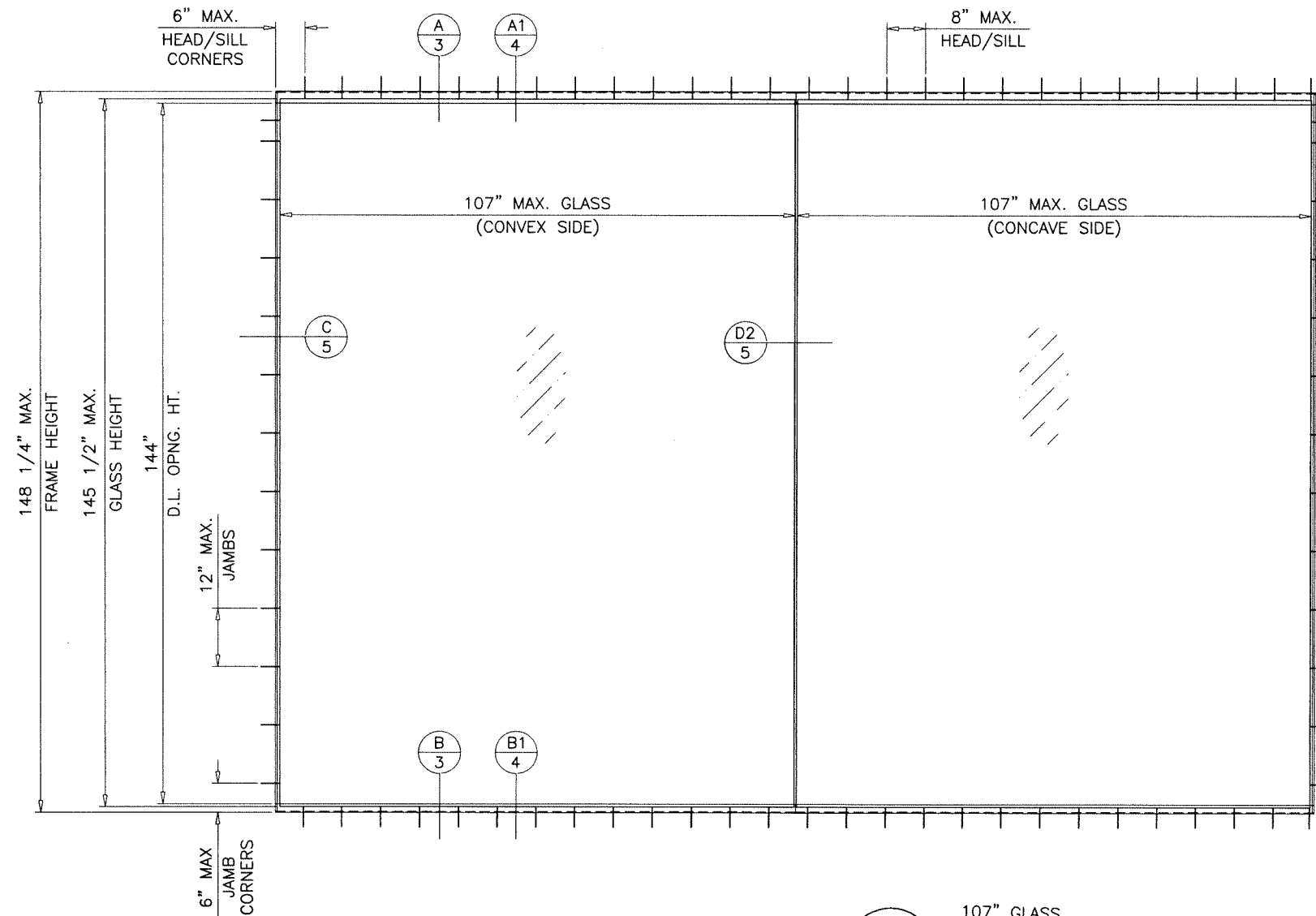
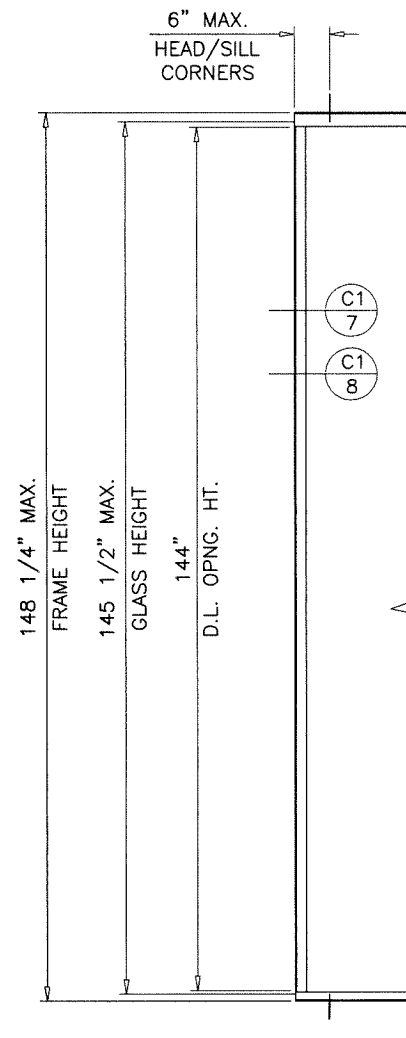
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dr. by: M.L.S.

chk. by:

drawing no.
W18-27

sheet 2 of 10



TYPICAL ELEVATION
 TESTED UNIT

CURVED GLASS (CONVEX OR CONCAVE) UNITS
 IN SINGLE OR MULTIPLE LITE CONFIGURATIONS

GLASS TYPE 'B' ONLY

MAX. DESIGN LOAD = + 110.0 PSF
 - 110.0 PSF

MAX. FRAME HEIGHT = 148-1/4 IN.

MAX. D.L. OPNG. HEIGHT = 144 IN.

MAX. GLASS HEIGHT = 145-1/2 IN.

MAX. GLASS WIDTH = 107 IN.

MIN. INTERIOR GLASS RADIUS = 59-3/8 IN.

Sealed: 9/18/2026

FL #25673



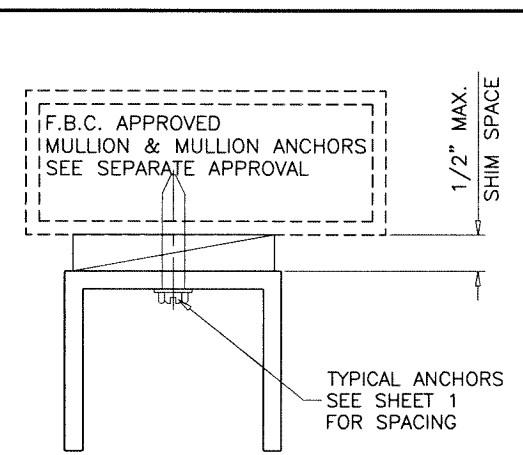
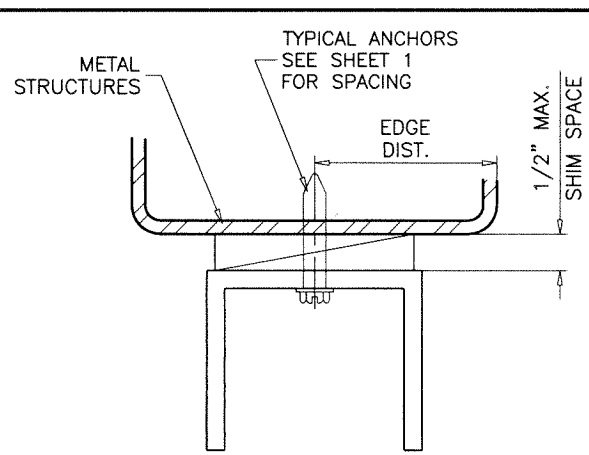
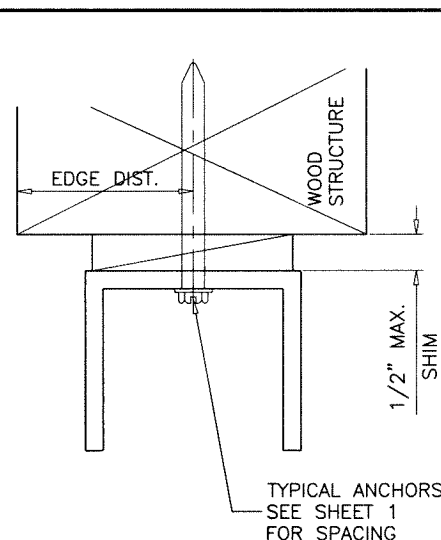
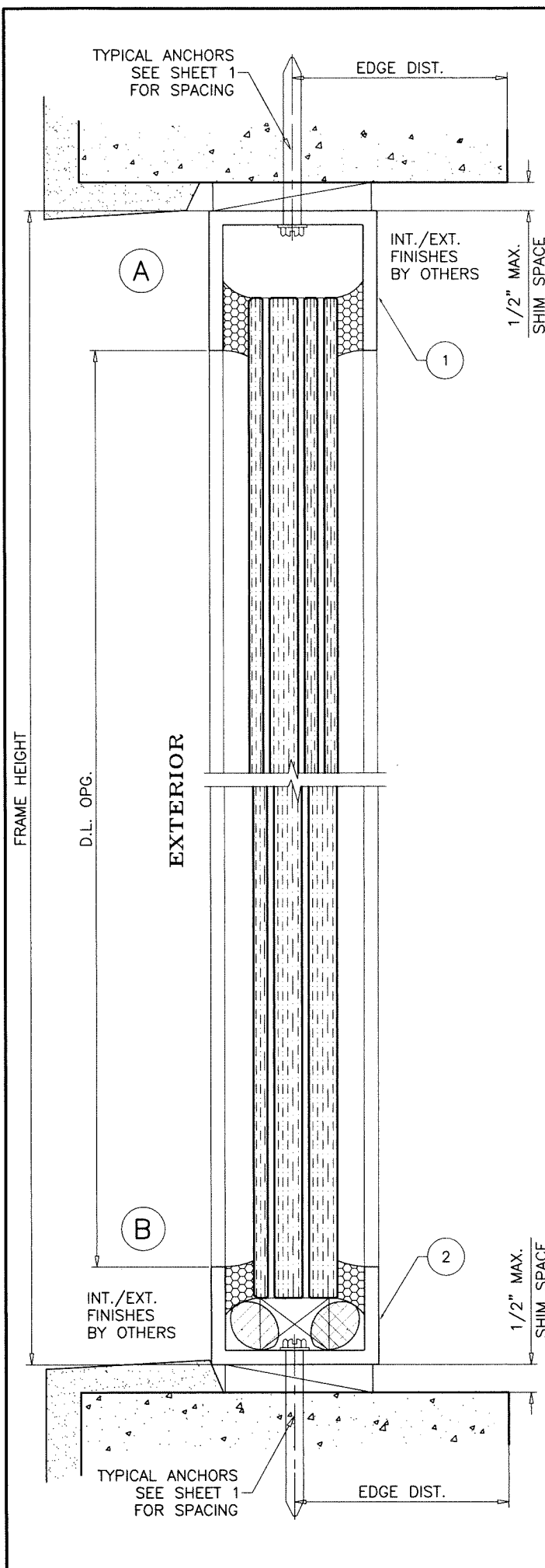
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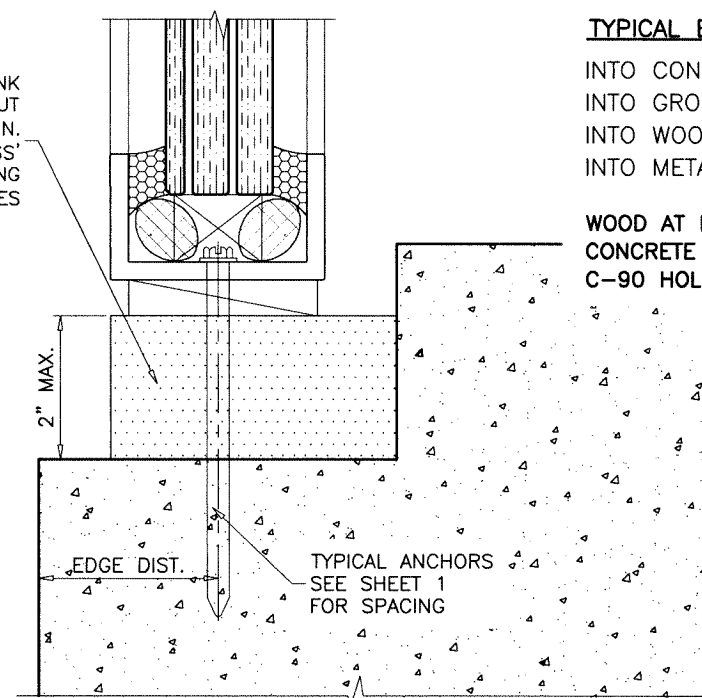
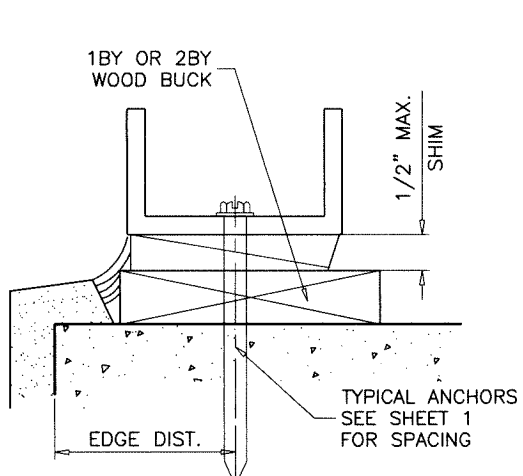
SERIES 'SLIMPACT XL' SSG GLASS WALL SYS. (L.M.I.)
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 5119 West Knox Street
 Tampa, FL 33634
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revisions:		date: 01-31-18		scale: 3/8"=1'-0"		dr. by: -		chk. by:	
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drawing no.
W18-27
 sheet 2.1 of 10



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



TOP/BOTTOM/SIDE CHANNEL ANCHORS:
SEE SHEET 1 FOR SPACING

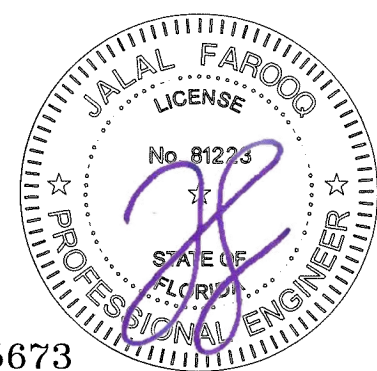
- ANCHOR 'A' - 3/8" DIA. LAG SCREWS** ($F_u=177$ KSI, $F_y=155$ KSI)
 INTO WOOD STRUCTURES
 2-1/4" MIN. PENETRATION INTO WOOD (TOP/BOTTOM/SIDES)
 THRU 1BY OR 2BY BUCKS INTO CONC. OR GROUT FILLED BLOCKS
 1-1/2" MIN. EMBED INTO CONCRETE (TOP/BOTTOM/SIDES)
 1-1/2" MIN. EMBED INTO GROUT FILLED BLOCKS (SIDES)
- ANCHOR 'B' - 3/8" DIA. SCREW-BOLT+ BY 'DEWALT'**
 DIRECTLY INTO CONCRETE
 2" MIN. EMBED INTO CONCRETE (TOP/BOTTOM/SIDES)
- 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 (SIDES)

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: 9/18/2026



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SERIES 'SLIMPACT XL' SSG GLASS WALL SYS. (L.M.I.)

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

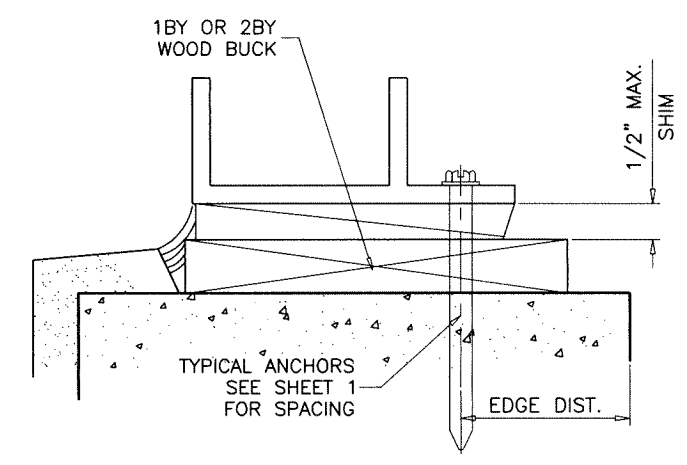
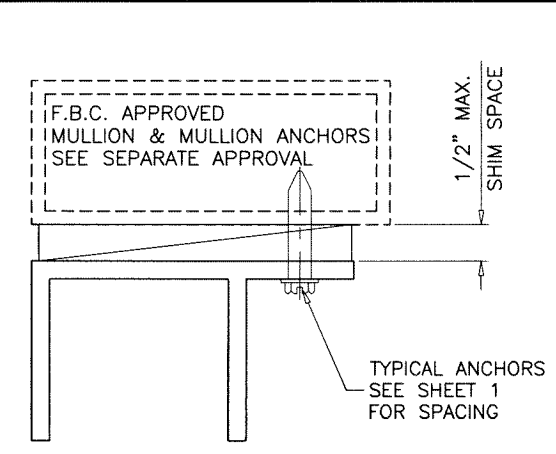
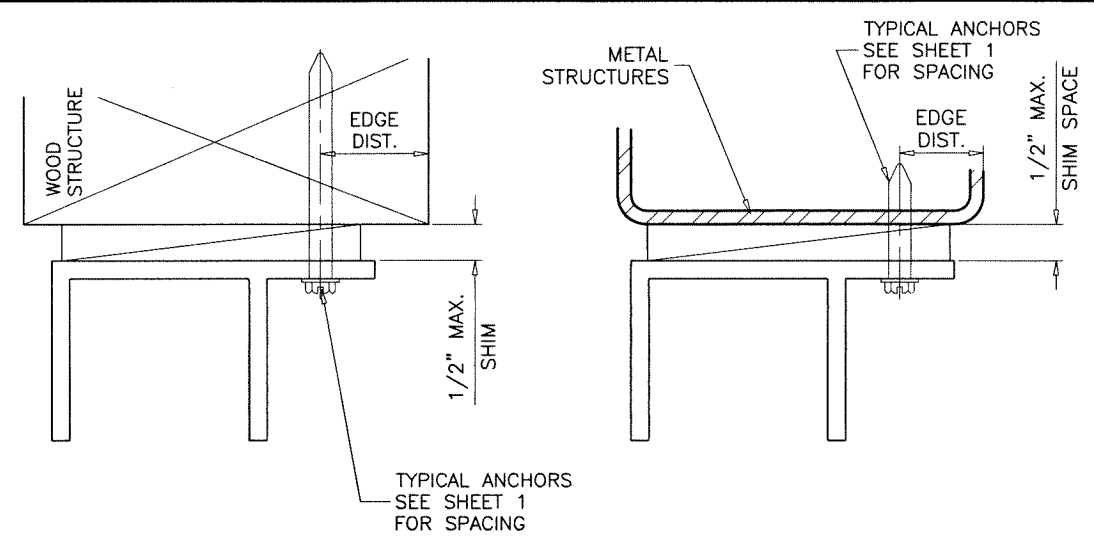
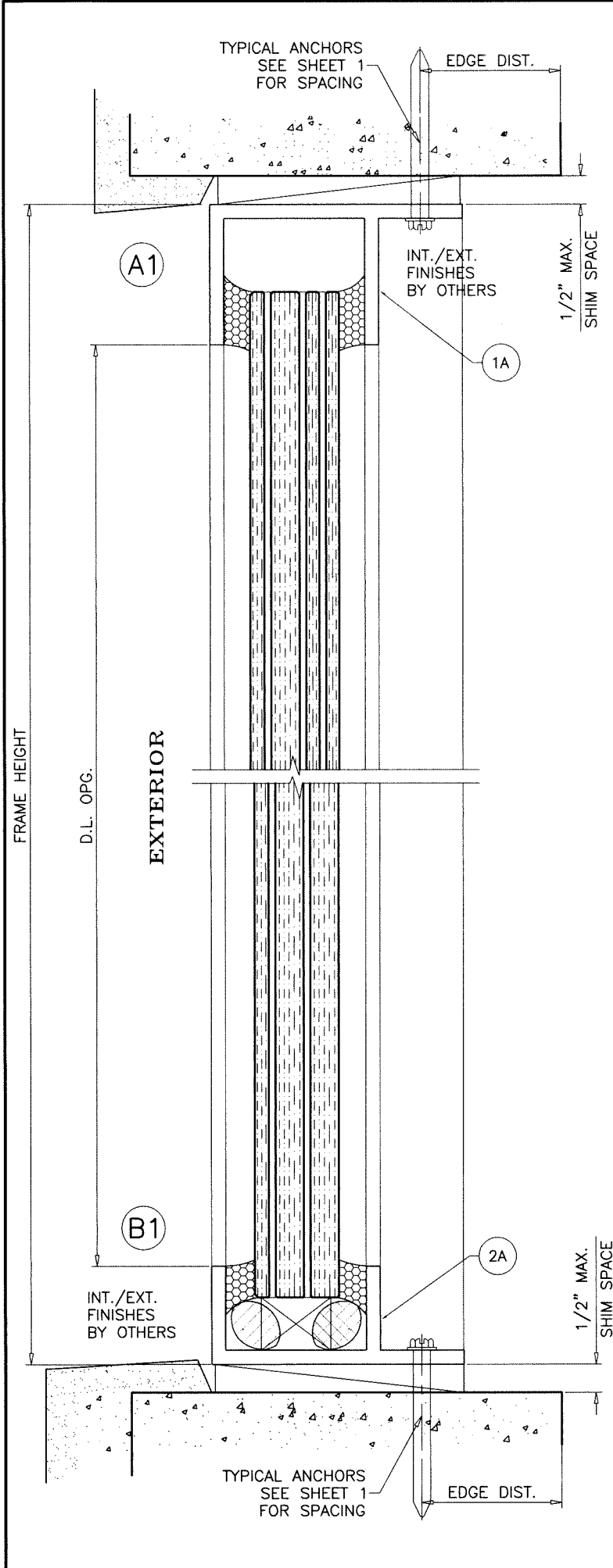
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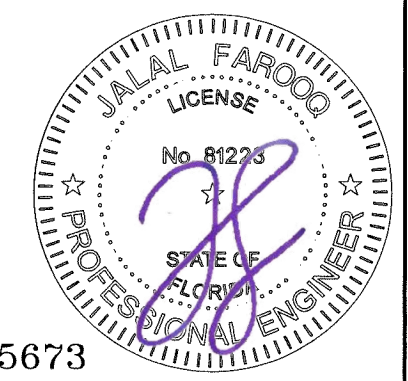
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drawing no. **W18-27**

sheet **3** of 10



Sealed: 9/18/2026



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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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SERIES 'SLIMPACT XL' SSG GLASS WALL SYS. (L.M.I.)

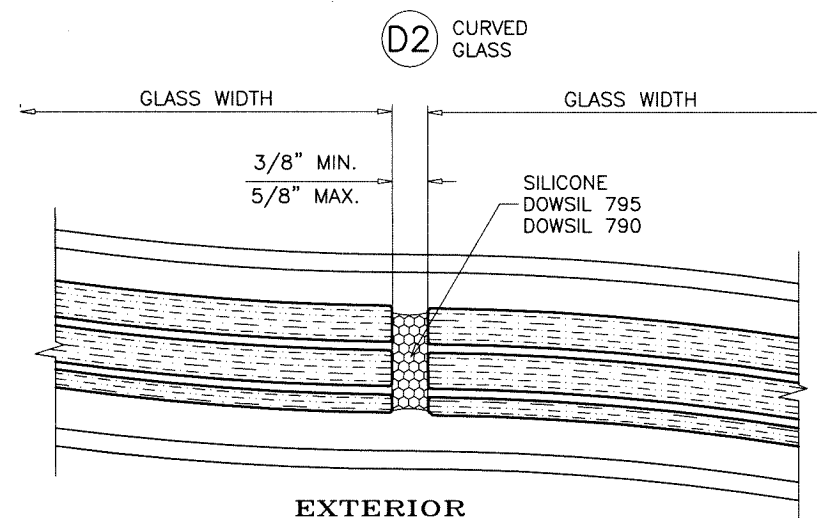
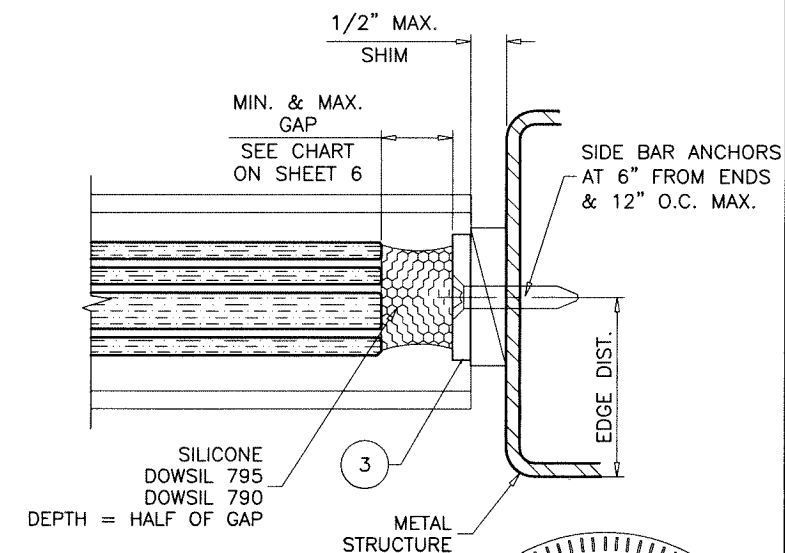
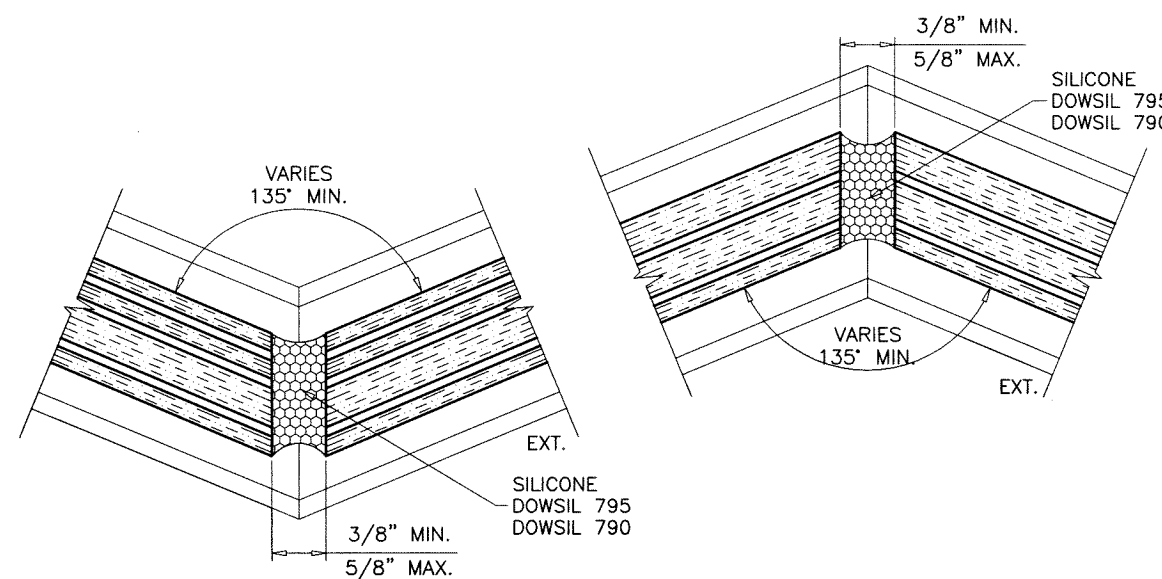
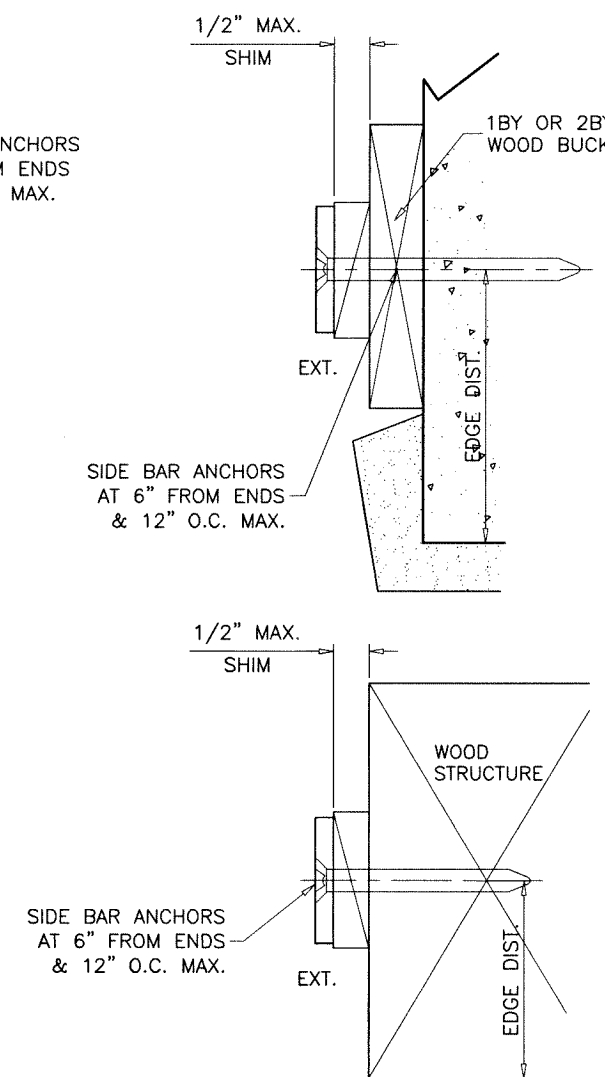
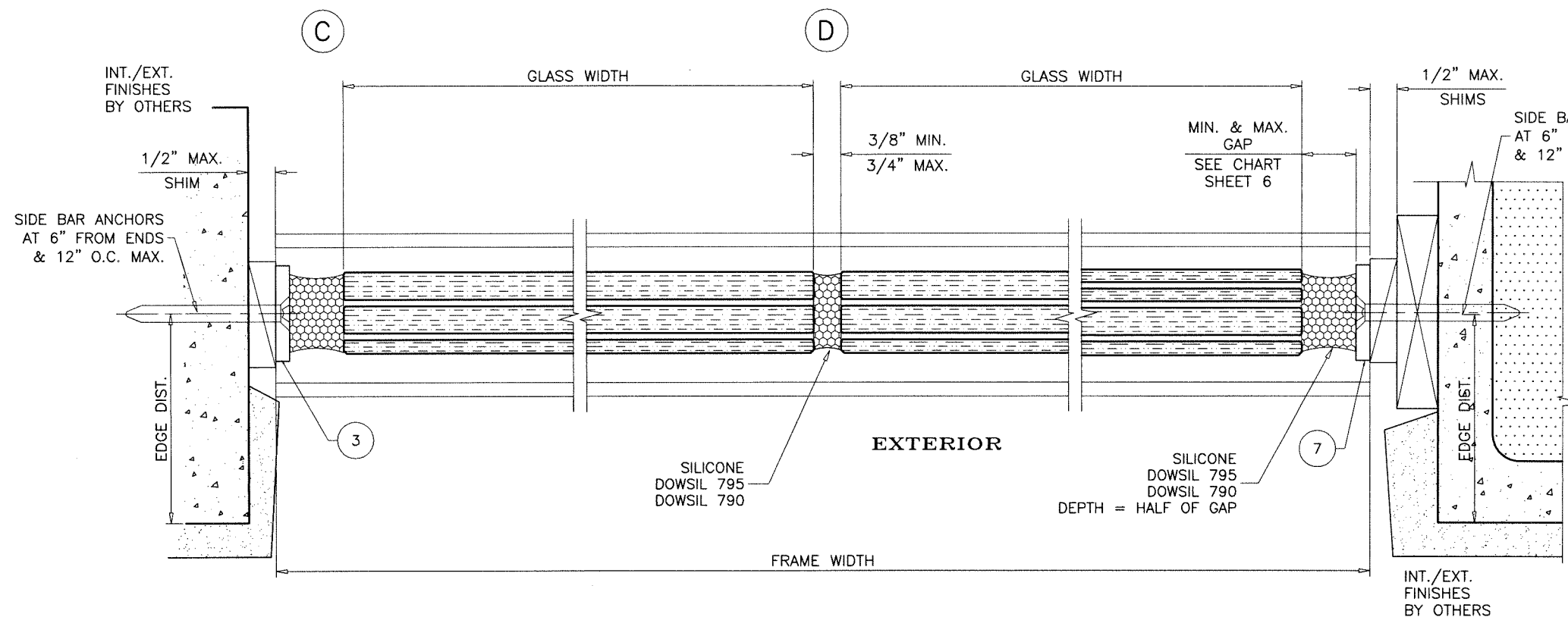
Faour Glass Technologies
5119 West Knox Street
Tampa, FL 33634
Tel. (813) 884-3297 Fax. (-)

revisions:

no	date	by	description

date: 01-31-18
scale: 3/8" = 1"
dr. by: MJS
chk. by:

drawing no.
W18-27
sheet 4 of 10



SIDE BAR ANCHORS: SEE ELEV. FOR SPACING

5/16\" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=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 (Fu=120 KSI MIN., Fy=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. (Fy = 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.

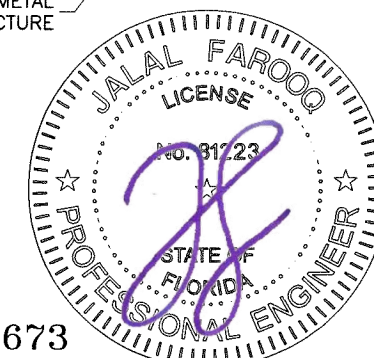
INTO METAL STRUCTURE = 3/4\" MIN.

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.

Sealed: 9/18/2026



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revisions:	
no	date by description

date: 01-31-18

scale: 3/8\" = 1"

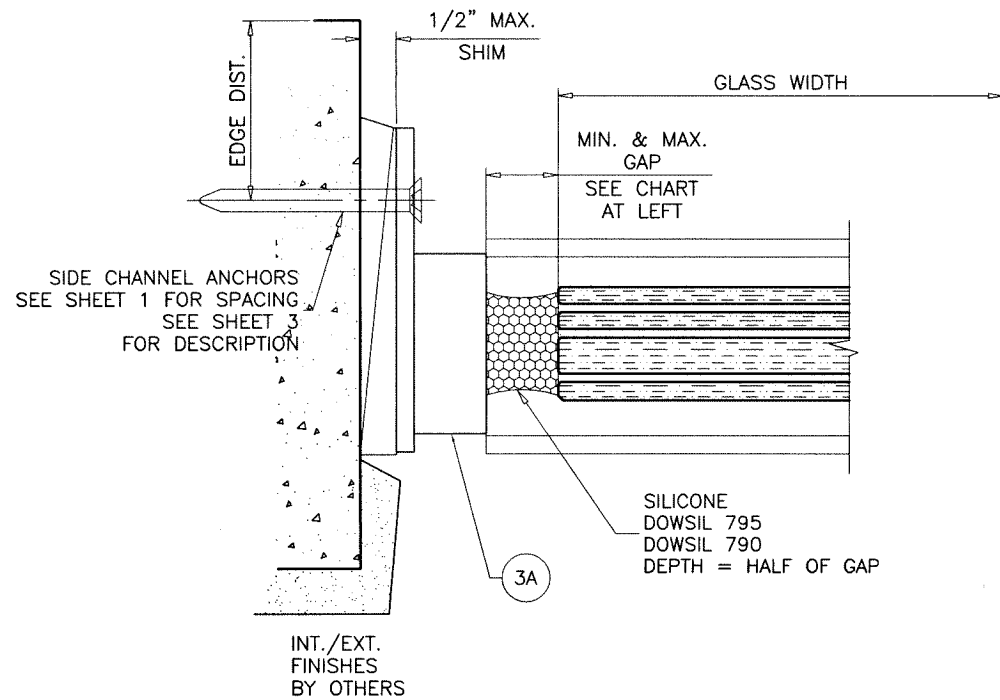
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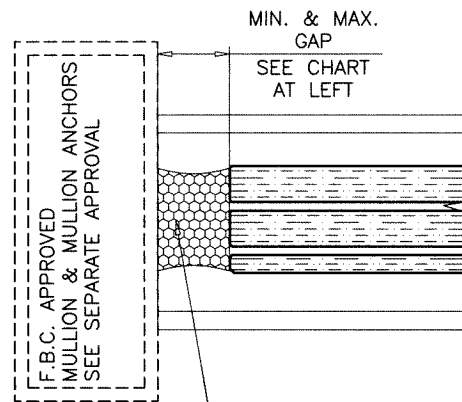
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W18-27

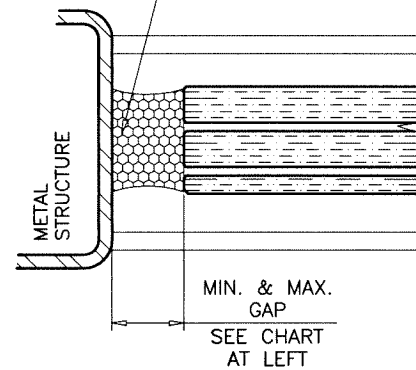
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INT./EXT.
FINISHES
BY OTHERS



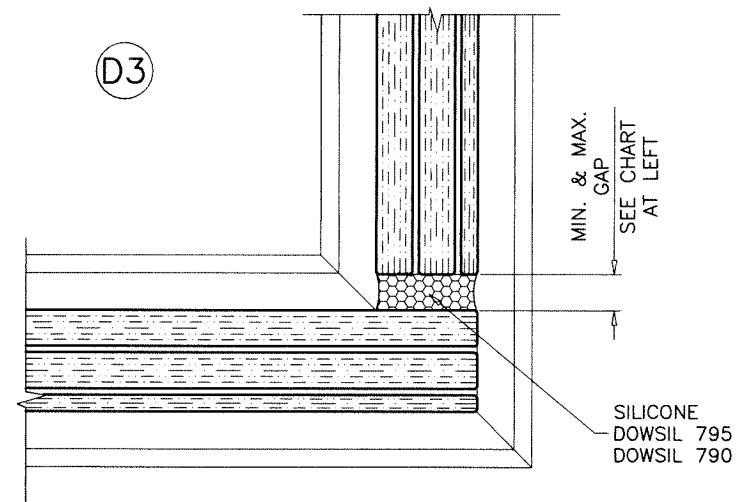
REFER TO SEALANT MANUFACTURER'S DATA
AND APPLICATION MANUAL FOR COMPATIBILITY
OF SEALANT TO SUBSTRATE AND COMPLIANCE
FOR WARRANTY.



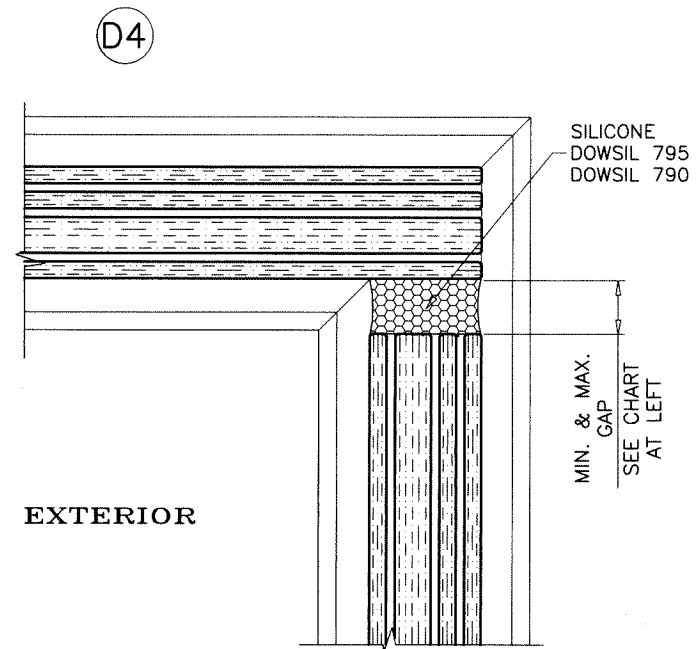
UNANCHORED JAMB & 90° OUTSIDE CORNER			
SILICONE	GAP		PRESSURE (PSF)
	MIN.	MAX.	EXT(+) INT.(-)
795	1/2"	1"	80.0
	3/4"	1"	110.0
790	1/2"	1"	110.0

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.

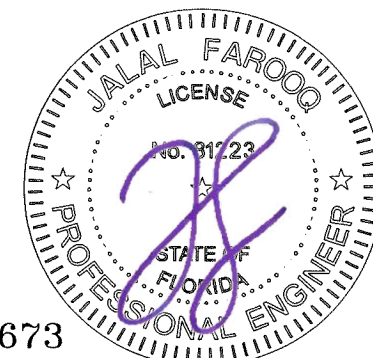


EXTERIOR



EXTERIOR

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FL #25673

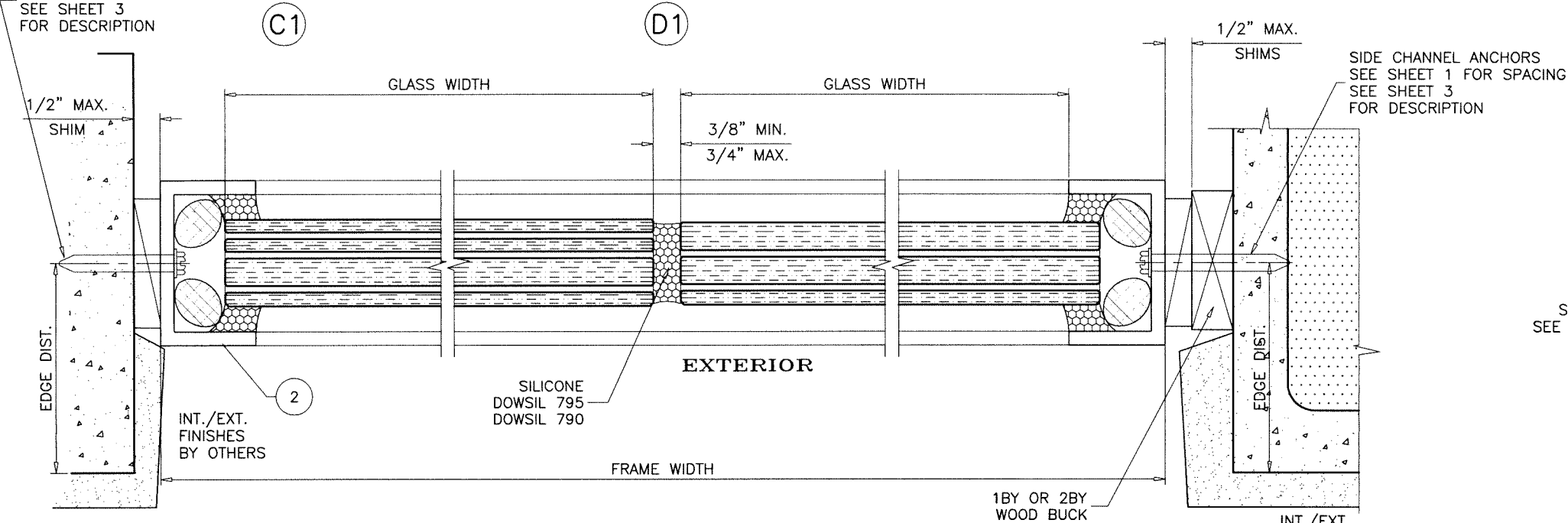
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W18-27FGT

SERIES 'SLIMPACT XL' SSG GLASS WALL SYS. (L.M.I.)

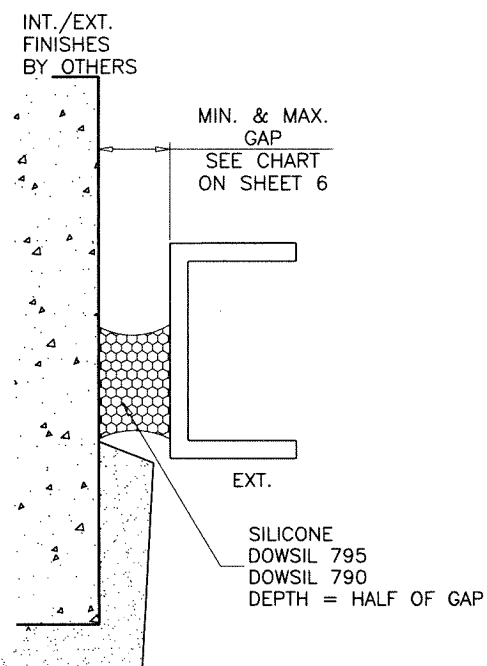
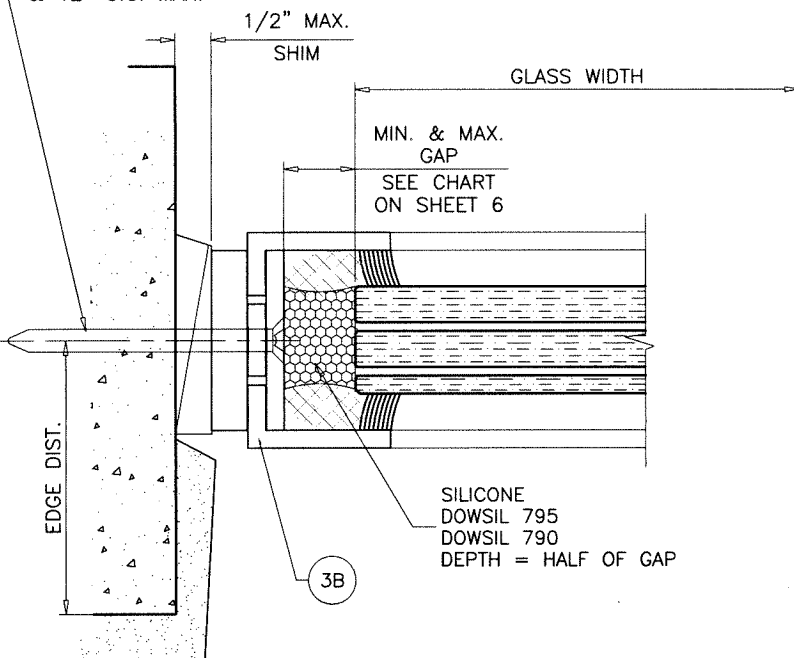
Faour Glass Technologies
5119 West Knox Street
Tampa, FL 33634
Tel. (813) 884-3297 Fax. (-)

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sheet	6 of 10		

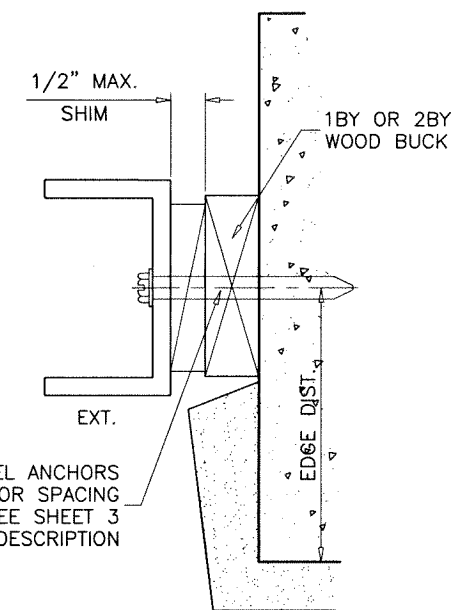
SIDE CHANNEL ANCHORS
SEE SHEET 1 FOR SPACING
SEE SHEET 3
FOR DESCRIPTION



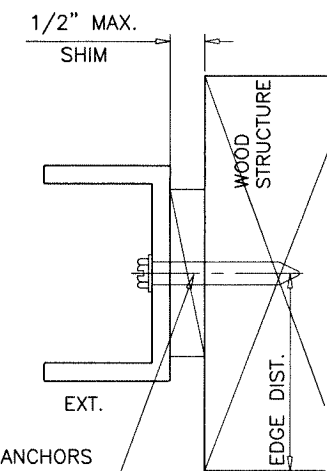
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AT 6\"/>



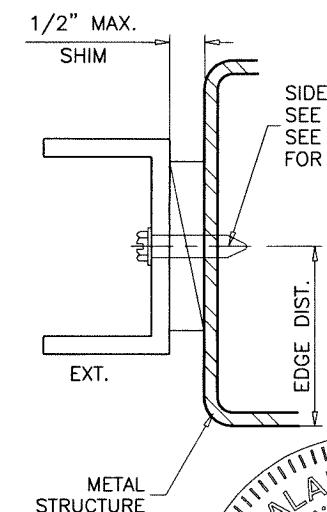
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SEE SHEET 1 FOR SPACING
SEE SHEET 3
FOR DESCRIPTION



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SEE SHEET 3
FOR DESCRIPTION

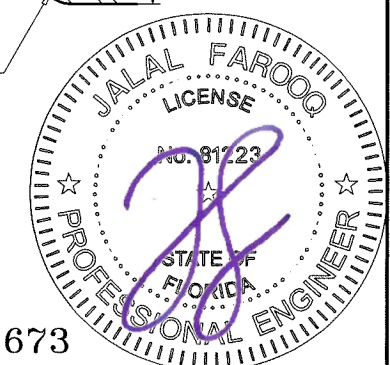


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date: 01-31-18

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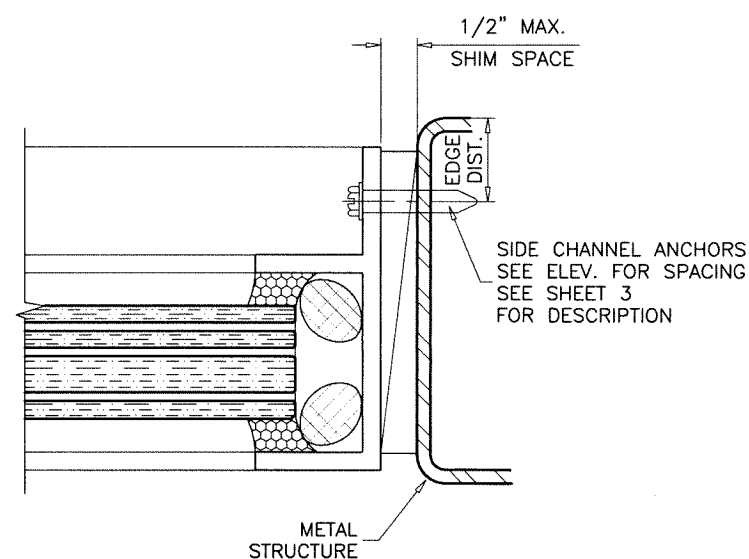
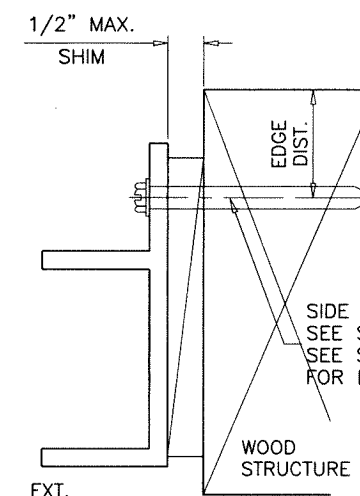
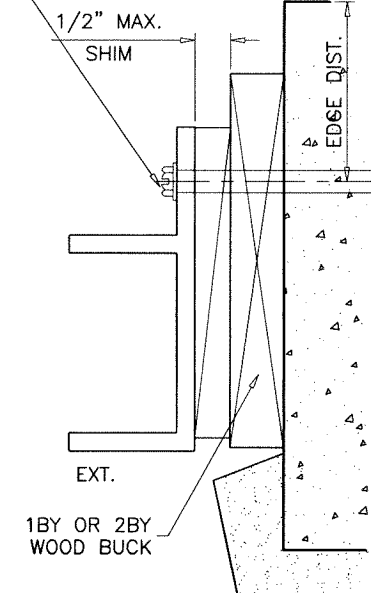
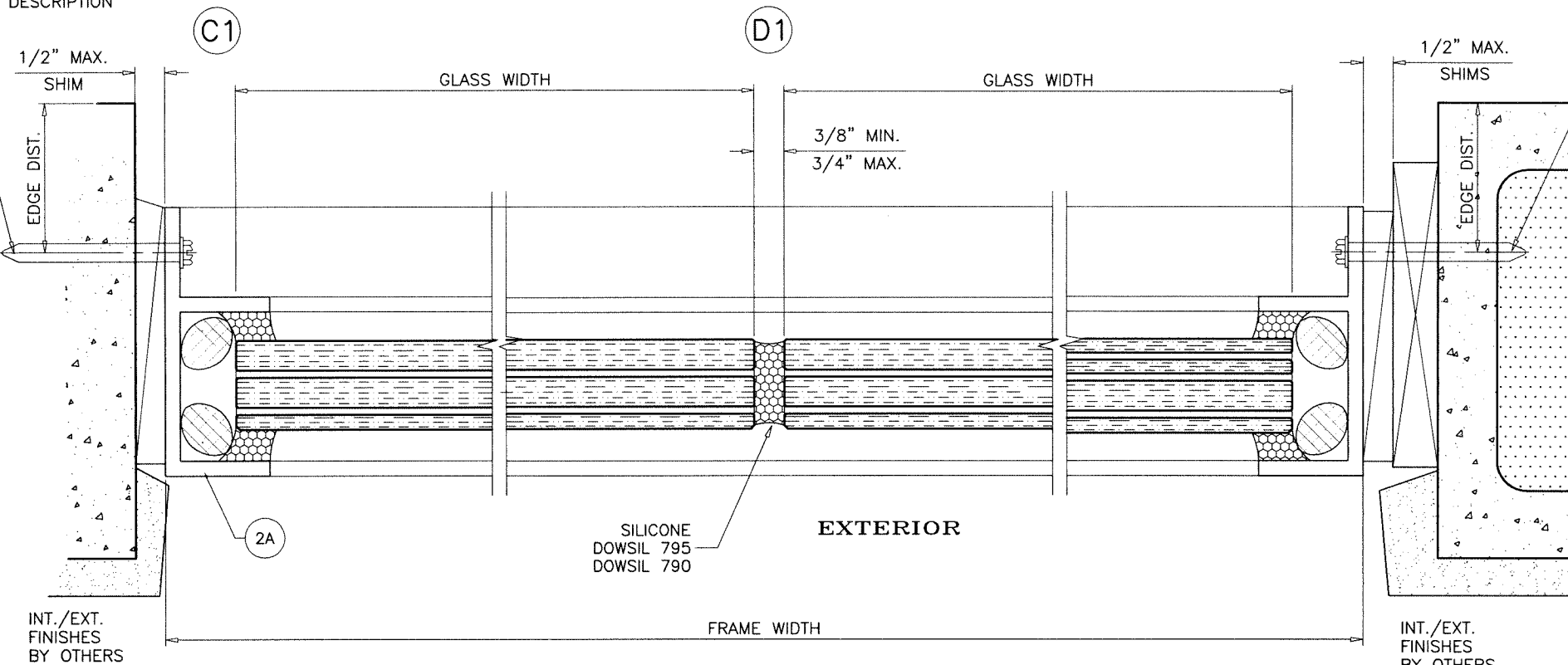
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W18-27

sheet 7 of 10

SIDE CHANNEL ANCHORS
SEE SHEET 1 FOR SPACING
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SIDE CHANNEL ANCHORS
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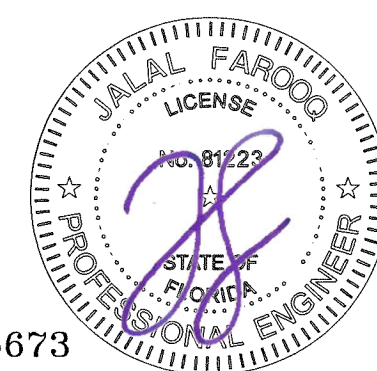
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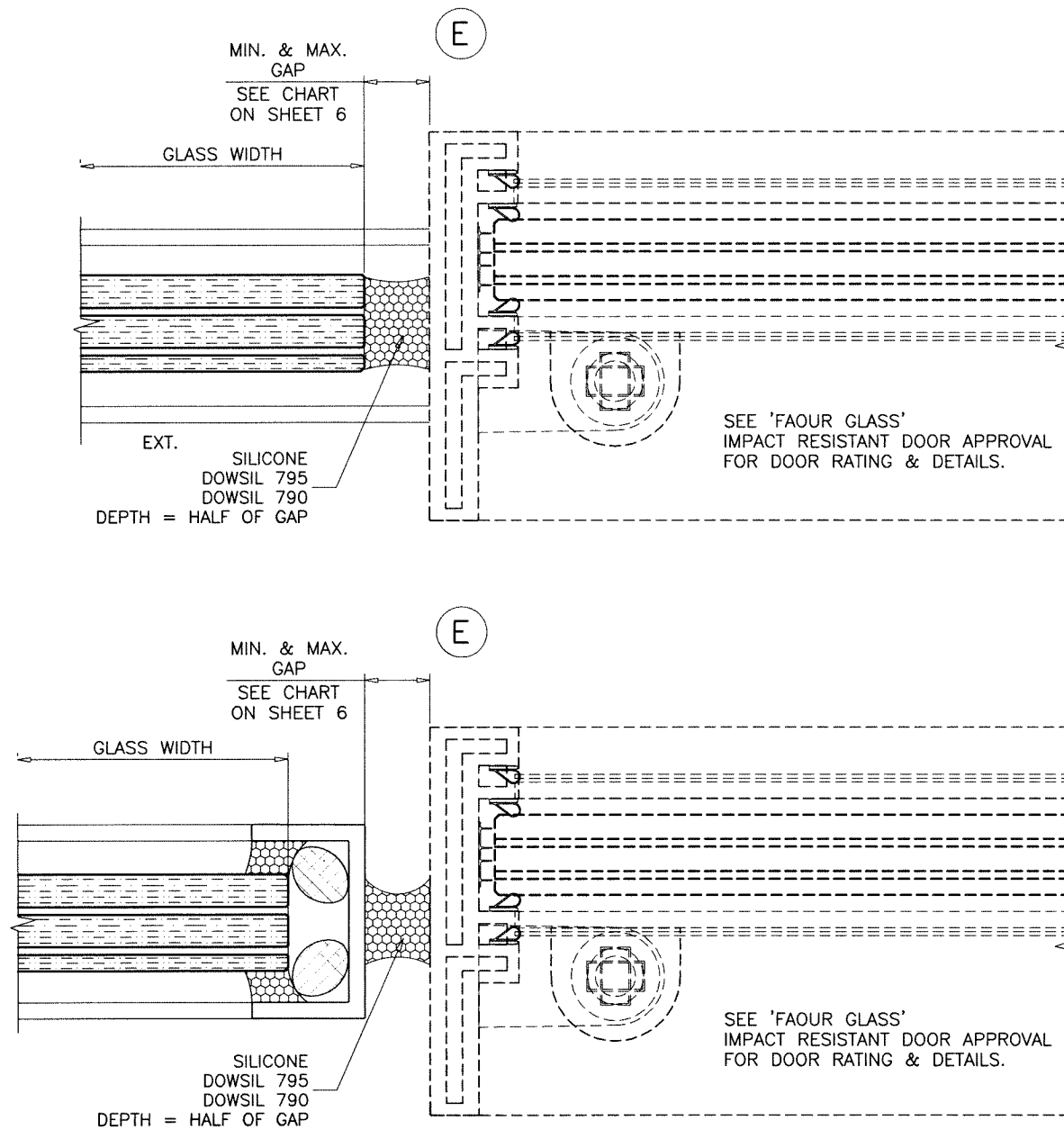
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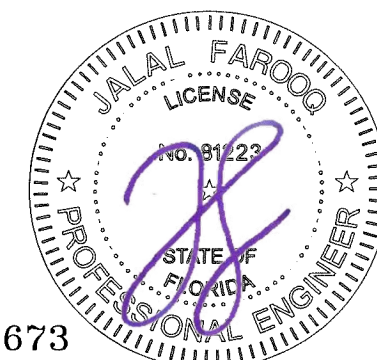
FL #25673



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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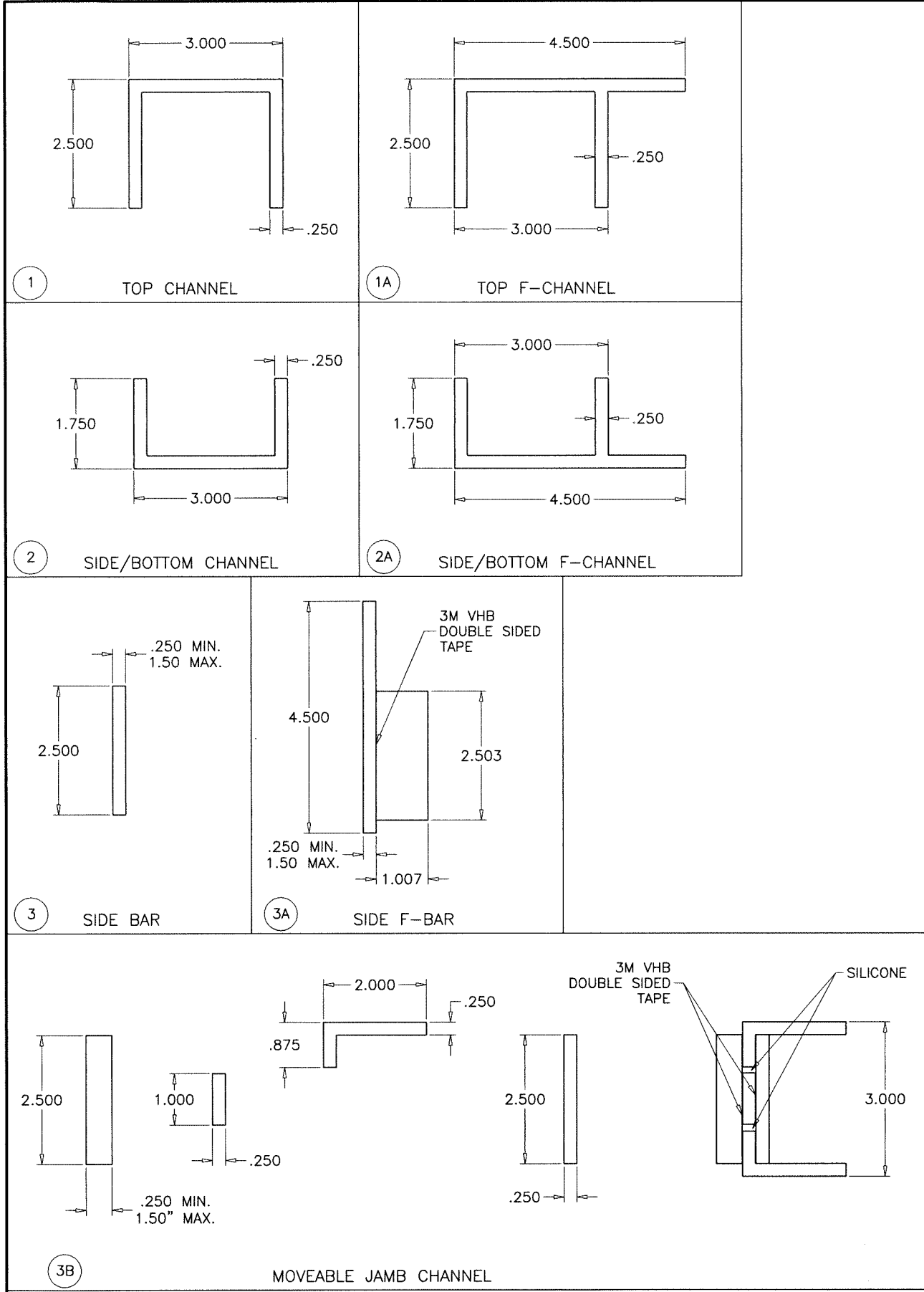
5119 West Knox Street
Tampa, FL 33634
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W18-27

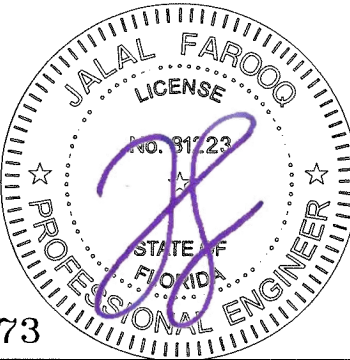
sheet 9 of 10



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SPC-5	AS REQD.	TOP CHANNEL	6063-T5	-
1A	SPC-5F	AS REQD.	TOP F-CHANNEL	6063-T5	-
2	SPC-4	AS REQD.	SIDE/BOTTOM CHANNEL	6063-T5	-
2A	SPC-4F	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.

Sealed: 9/18/2026



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sheet 10 of 10