

TYPICAL ELEVATIONS

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 80.0 PSF

GPX FIRE RATED OUTSWING DOOR

SEE SHEET 1 FOR DESIGN LOAD CAPACITY OF SINGLE (X) AND DOUBLE (XX) DOORS W/O TRANSOM.

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF SINGLE (O/X) AND DOUBLE (O/XX) DOORS WITH TRANSOM.

DOORS CAN ALSO BE USED WITH 'SAFTIFIRST' FIRE RATED WINDOWS. FOR DOORS WITH FIXED WDW. SYSTEM SEE SEPARATE APPROVAL FOR DOOR MULLION CAPACITY AND ANCHORING DETAILS.

THE LOWEST VALUE RESULTING FROM DOOR CAPACITY CHARTS OR FIXED WINDOW APPROVAL WILL APPLY TO ENTIRE SYSTEM.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) AND 2018 INTERNATIONAL BUILDING CODE (IBC).

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.

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 2018 IRC/IBC.

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.

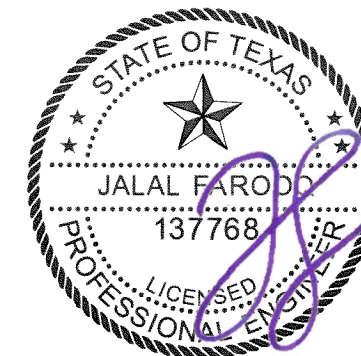
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

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

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTIONS R613.4 AND R613.7.1 OF THE IRC AND SECTION 1714.5.1 OF THE IBC.

TESTING IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE. LARGE MISSILE IMPACT TEST, TAS 201-94. CYCLIC WIND PRESSURE TEST, TAS 203-94. STATIC AIR PRESSURE TEST, TAS 202-94.

Sealed: 10/11/2021

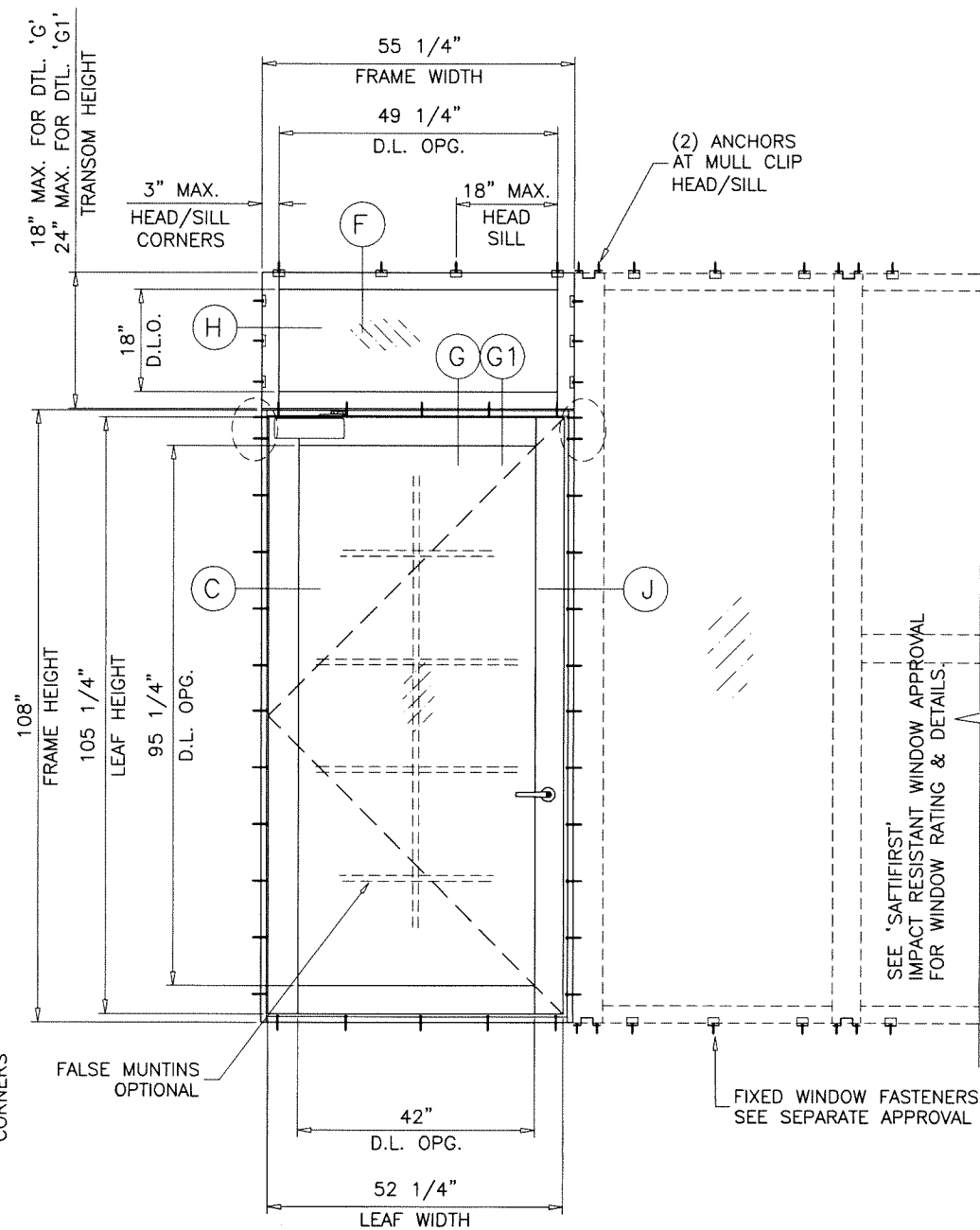
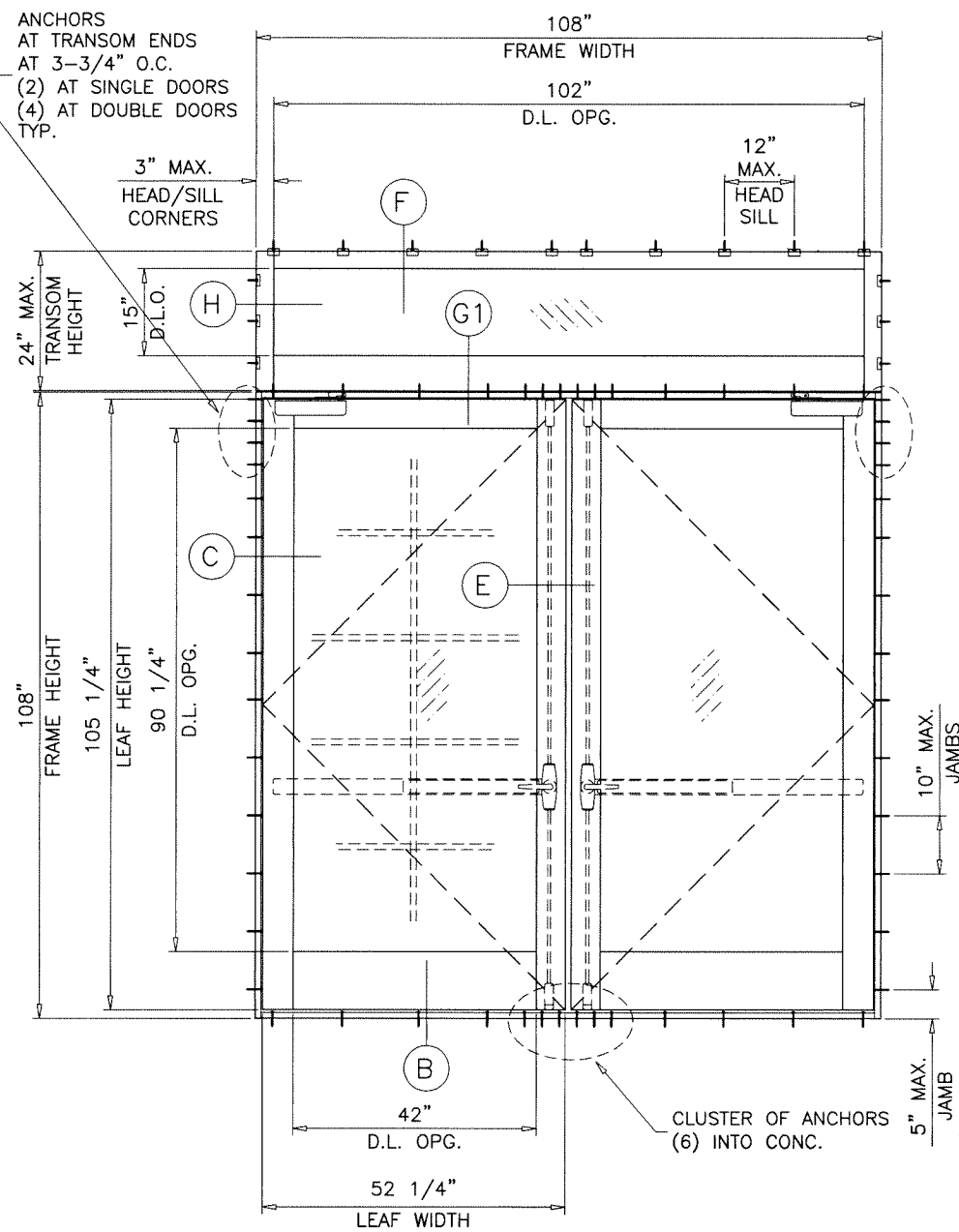
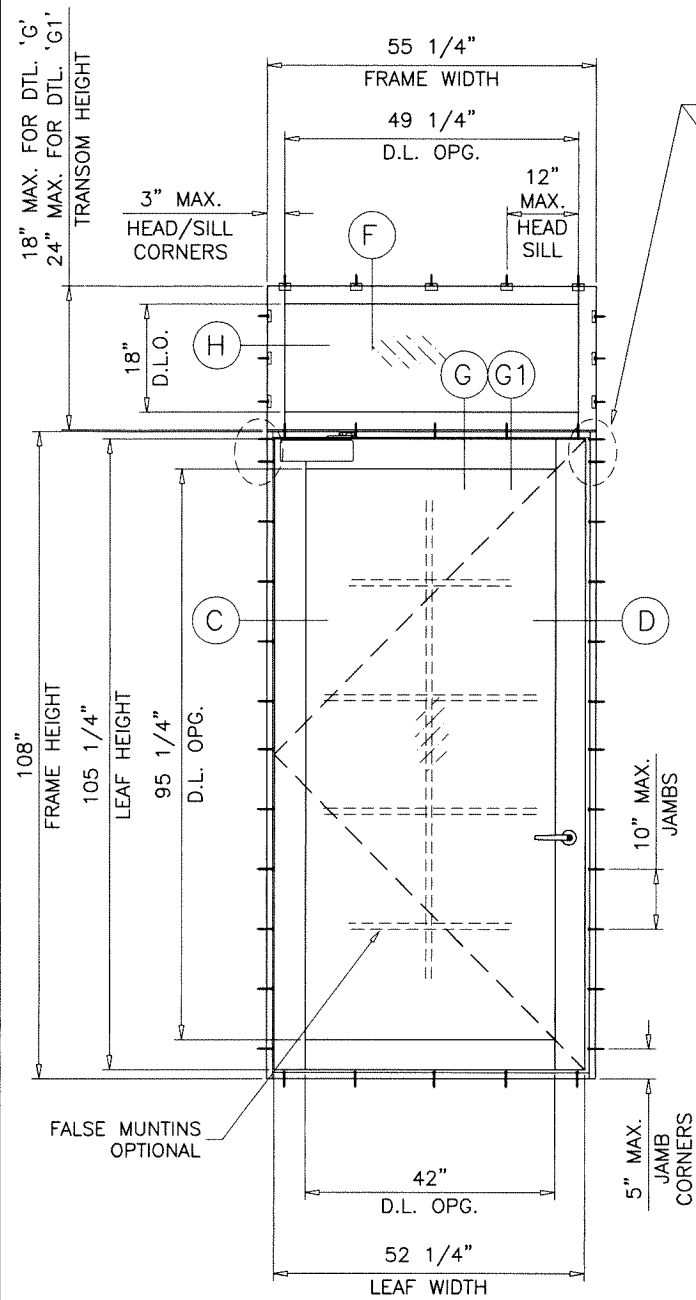


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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
WWW.AFCENG.COM COMP-ANL\W15-86SF

GPX FIRE RATED OUTSWING DOOR (L.M.I.)
SAFTIFIRST
100 NORTH HILL DRIVE, SUITE 12
BRISBANE, CA. 94005-1010
TEL. (415) 230-6740 FAX. (415) 230-6741

date:	11-03-15
scale:	3/8"=1'-0"
dr. by:	TARIQ
chk. by:	
drawing no.	W15-86
sheet	1 of 9

revisions:	
no.	1
date	09.28.21
description	UPDATED TO 2018 IRC/IBC



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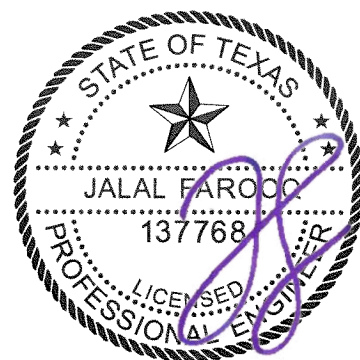
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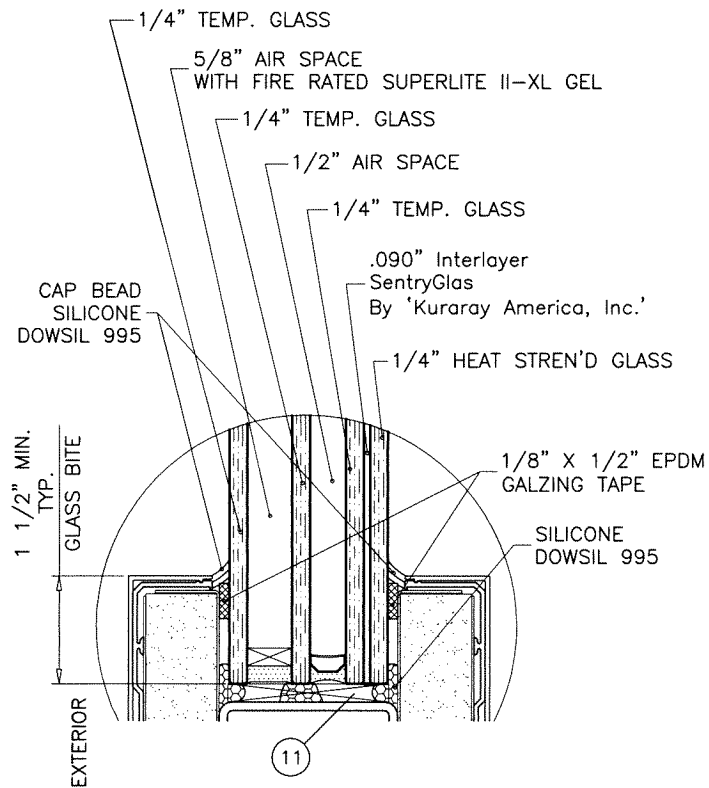
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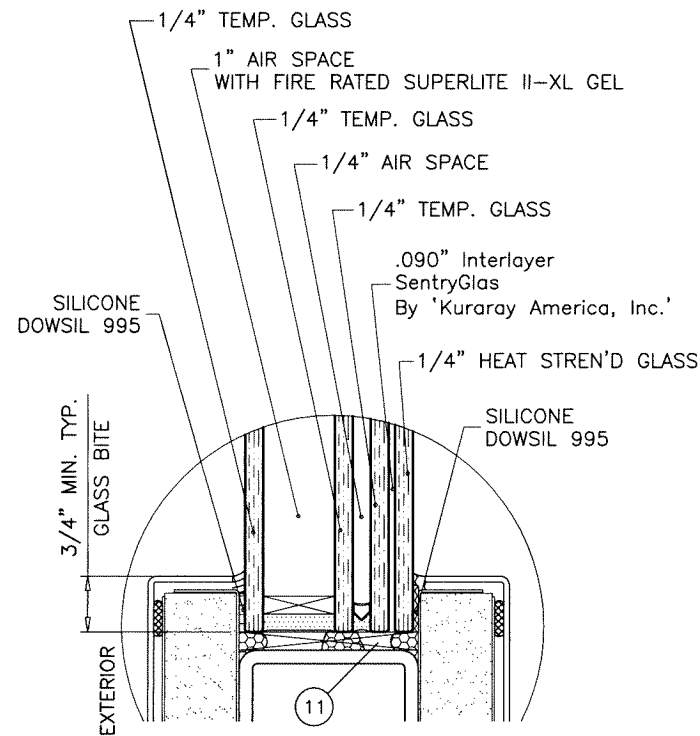
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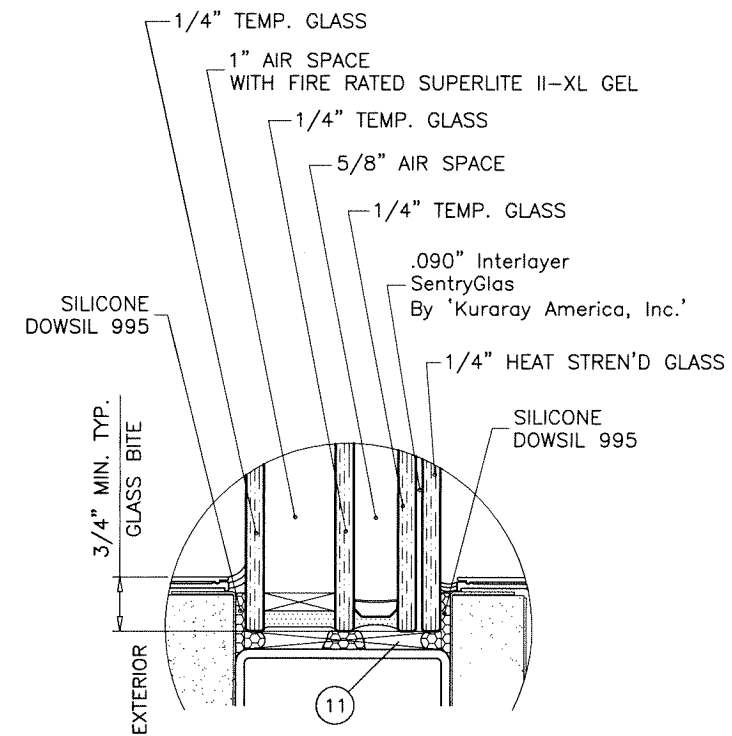
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GLAZING DETAIL DOOR LEAF
2-3/16" OVERALL INSUL. LAM. GLASS



ALT. GLAZING DETAIL DOOR LEAF
2-5/16" OVERALL INSUL. LAM. GLASS



GLAZING DETAIL TRANSOM
2-11/16" OVERALL INSUL. LAM. GLASS

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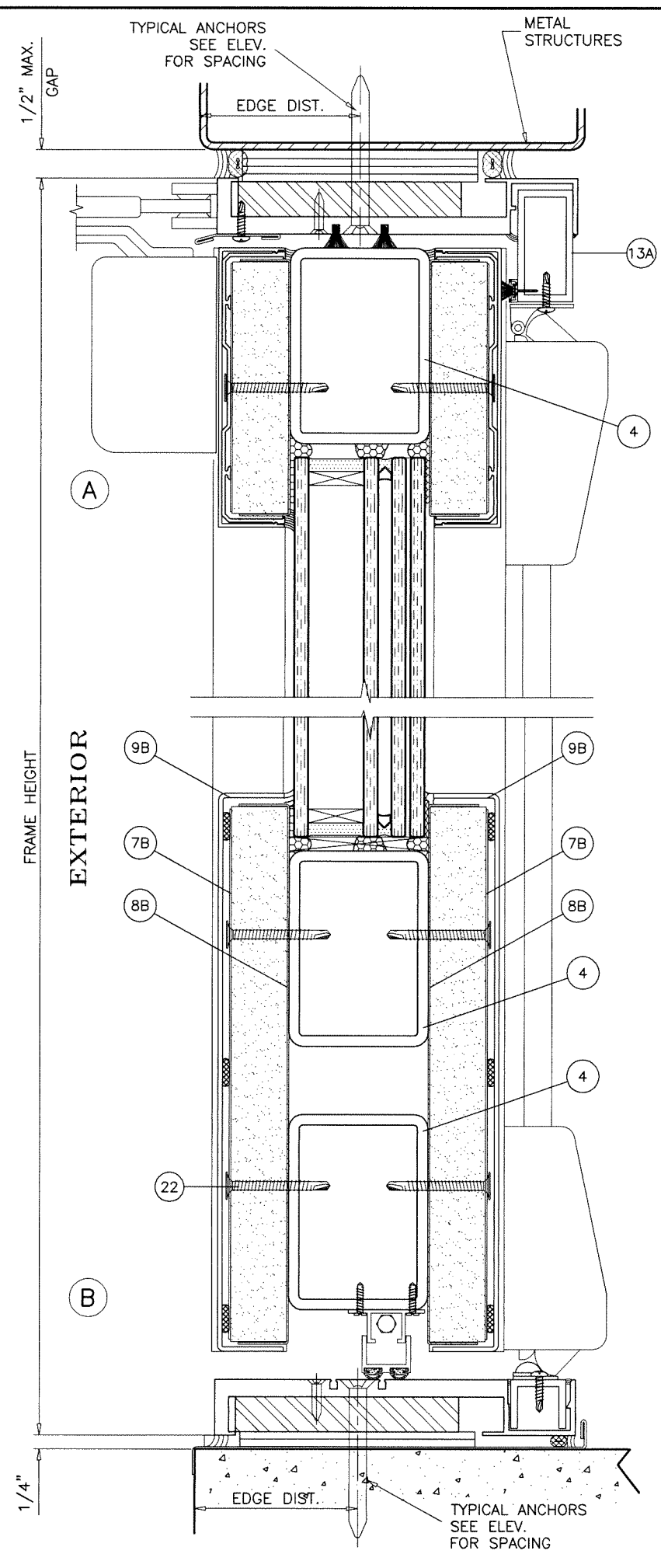
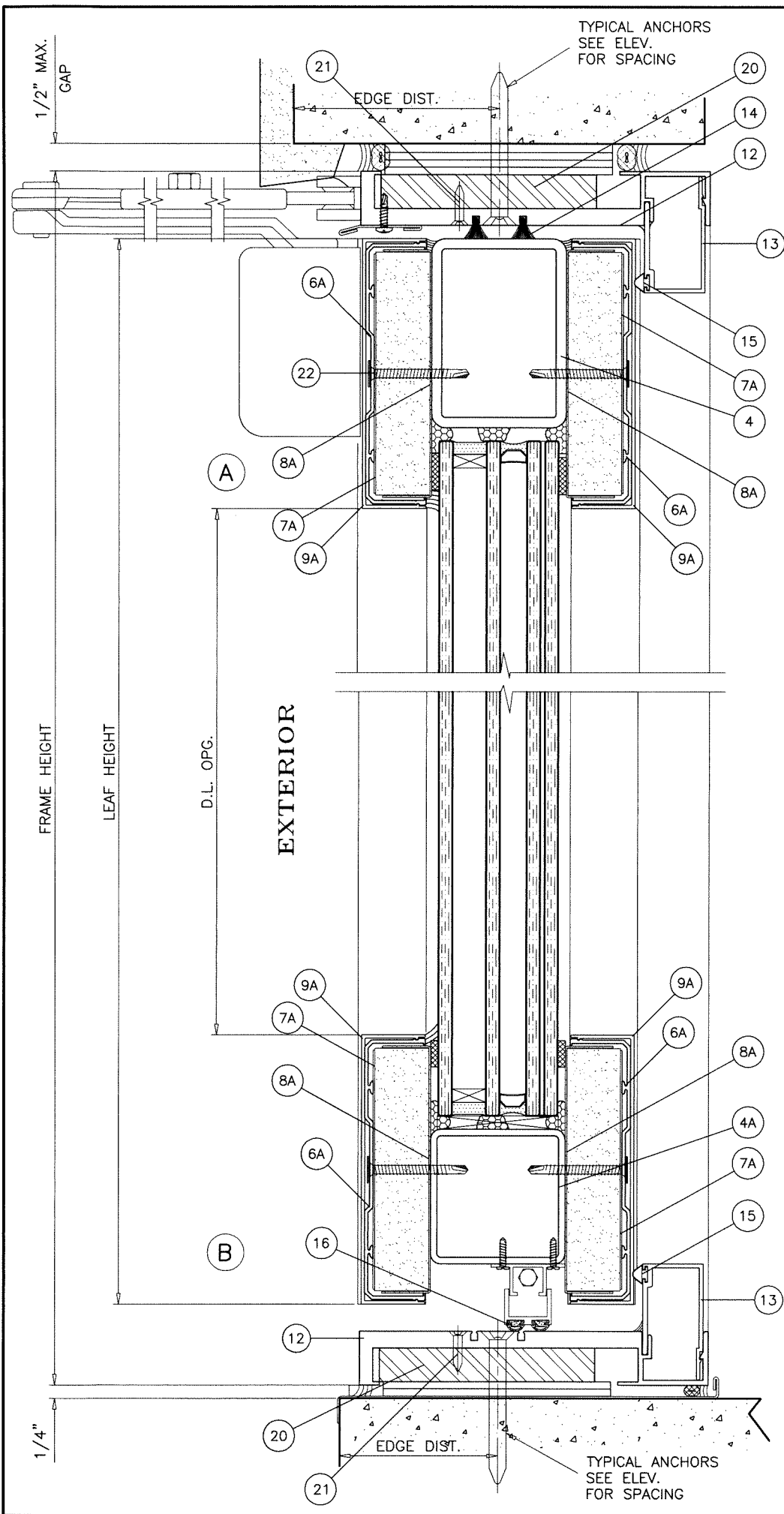
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sheet 3 of 9

Sealed: 10/11/2021





METAL STRUCTURES NOT BY 'SAFTIFIRST' MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
— AT DOORS —

5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE OR BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES
INTO CONCRETE AND BLOCKS = 3-1/8" MIN.

5/16" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES
INTO METAL STRUCTURE = 1" MIN.

SEALANTS:
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

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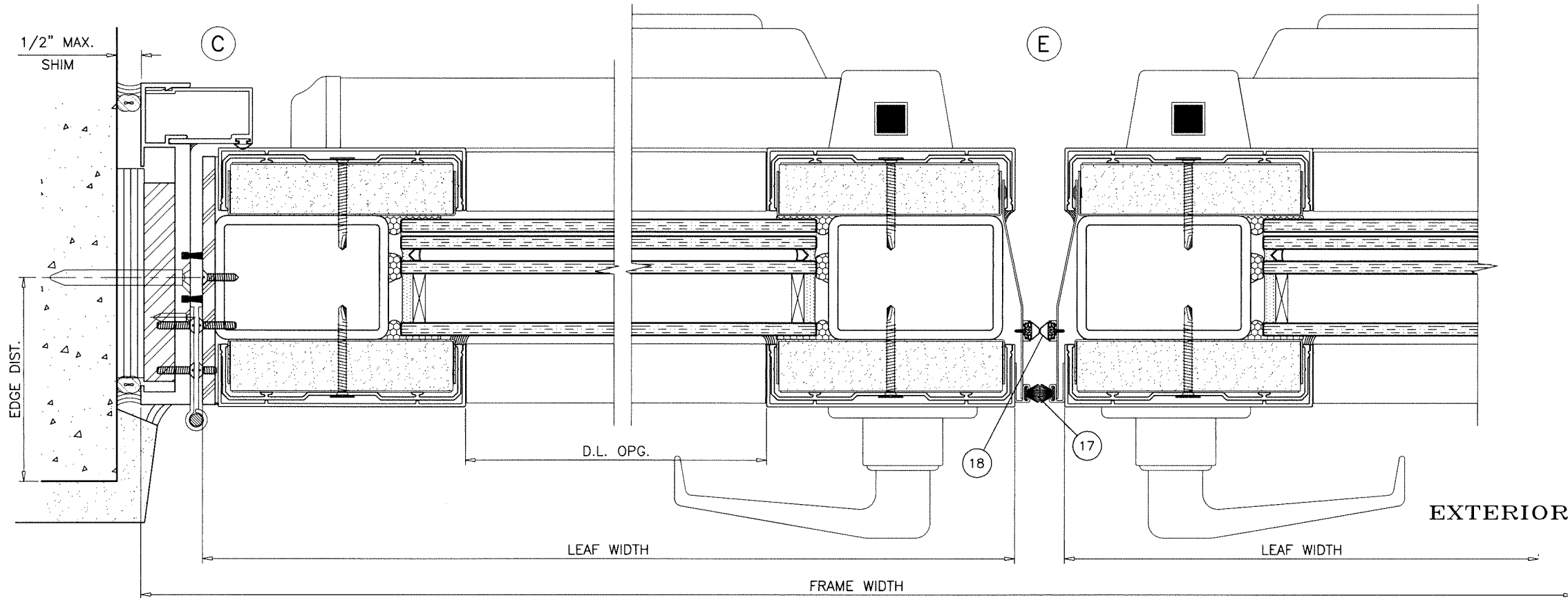
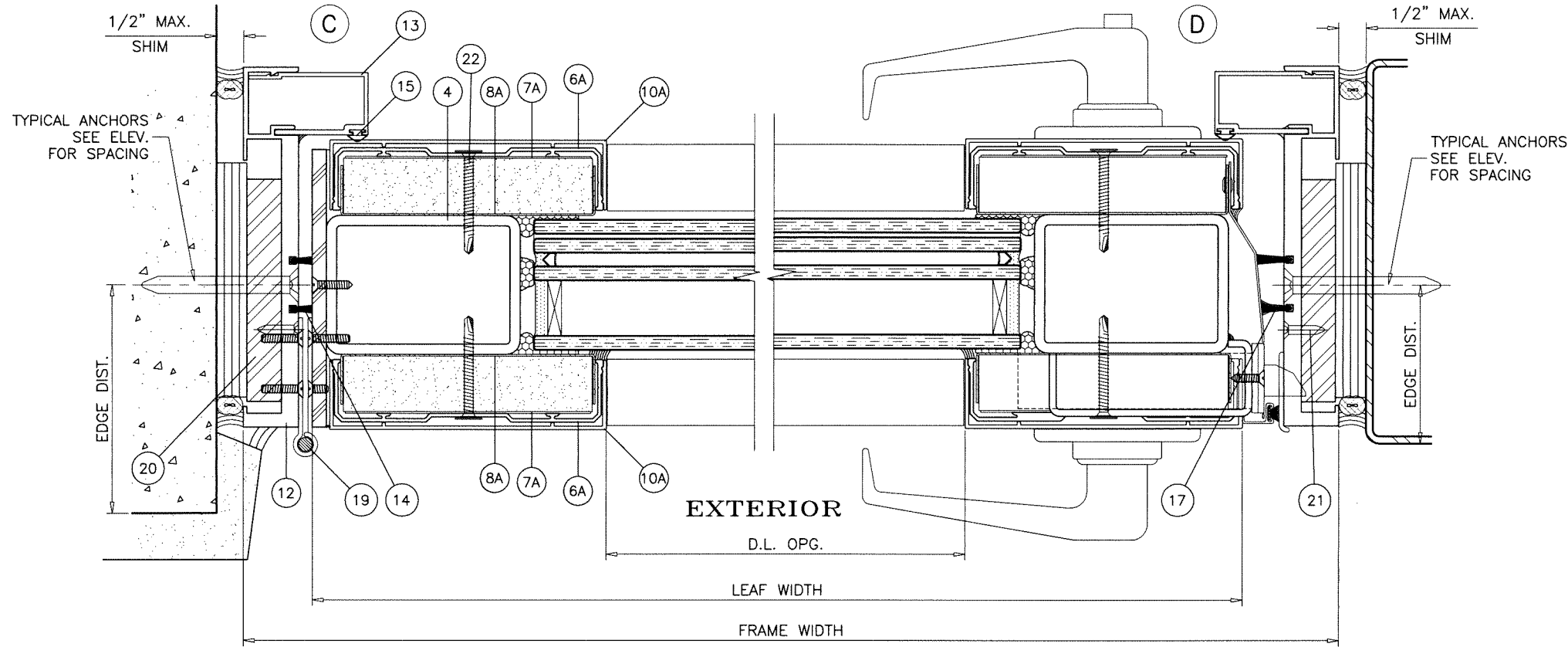
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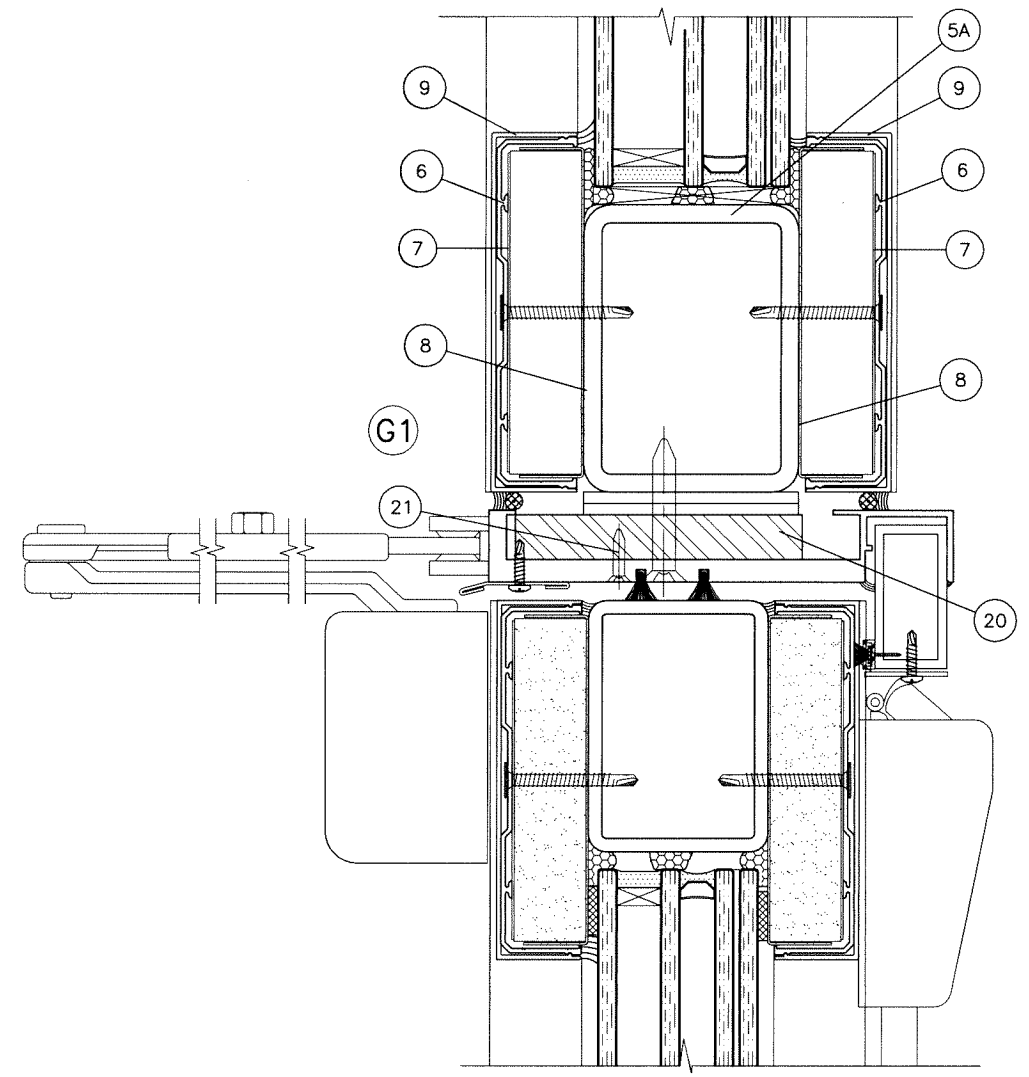
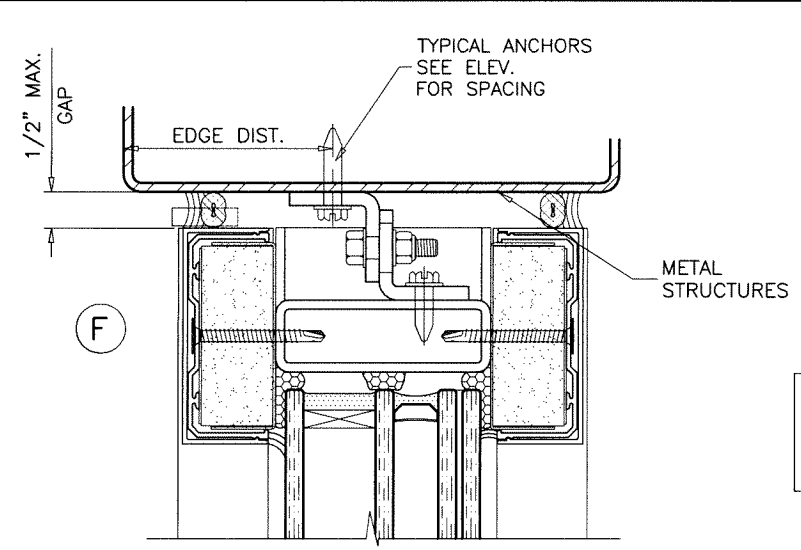
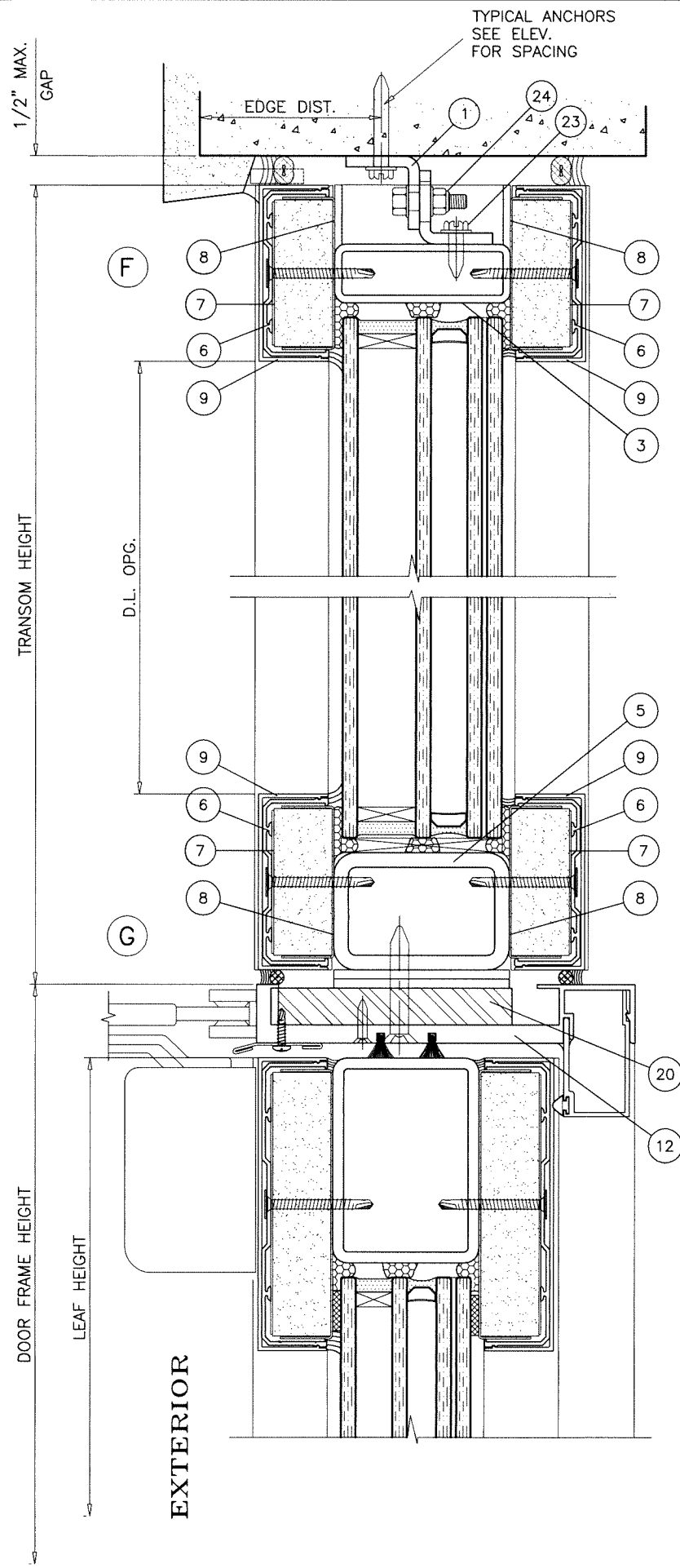


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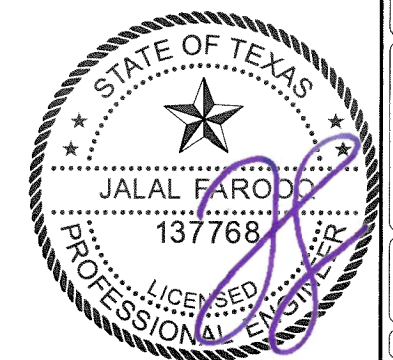


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TYPICAL ANCHORS: SEE ELEV. FOR SPACING
 AT TRANSOM
1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)
ANCHOR EDGE DISTANCES
 INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
ANCHOR EDGE DISTANCES
 INTO METAL STRUCTURE = 1" MIN.

TRANSOM

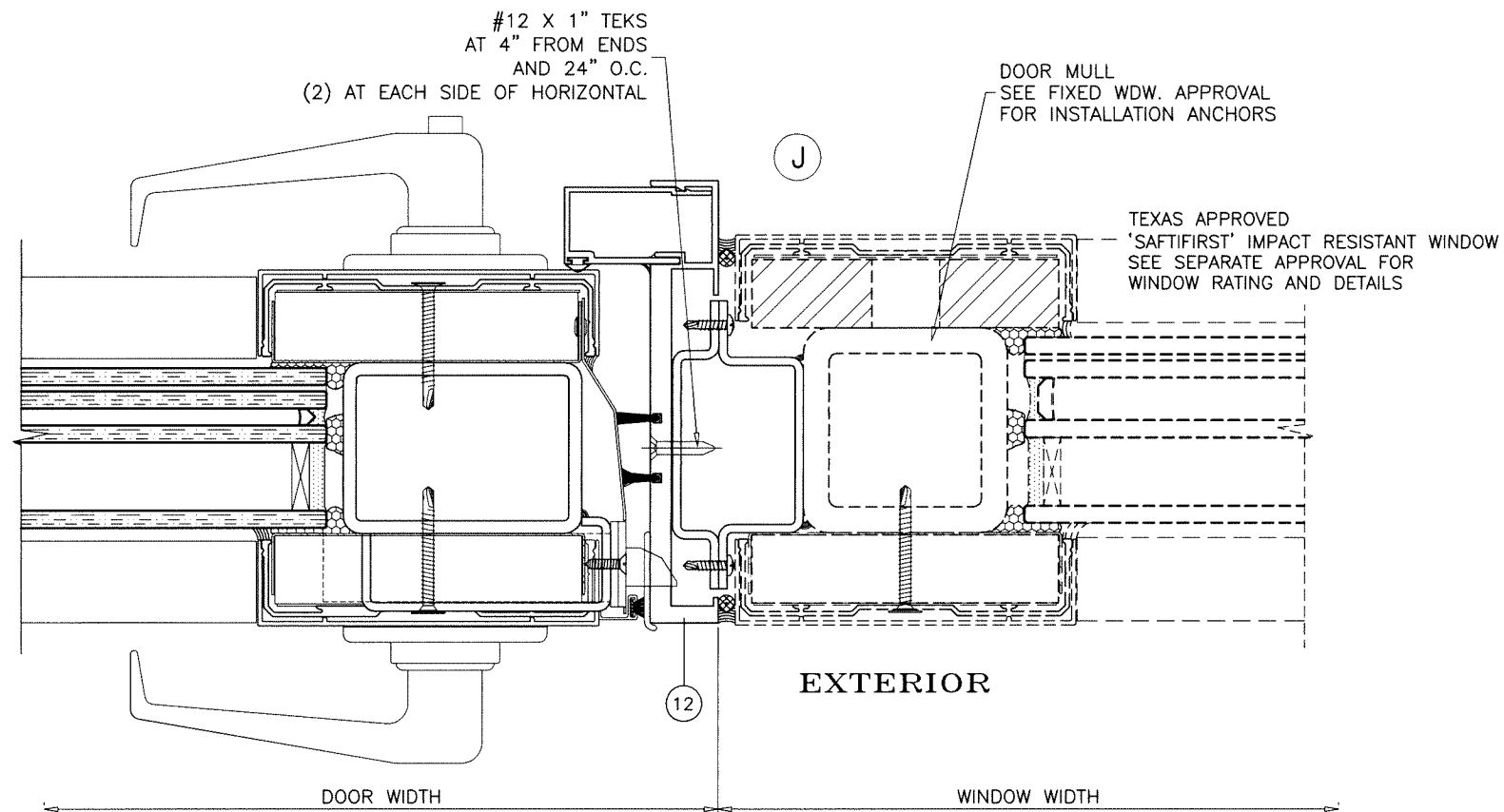
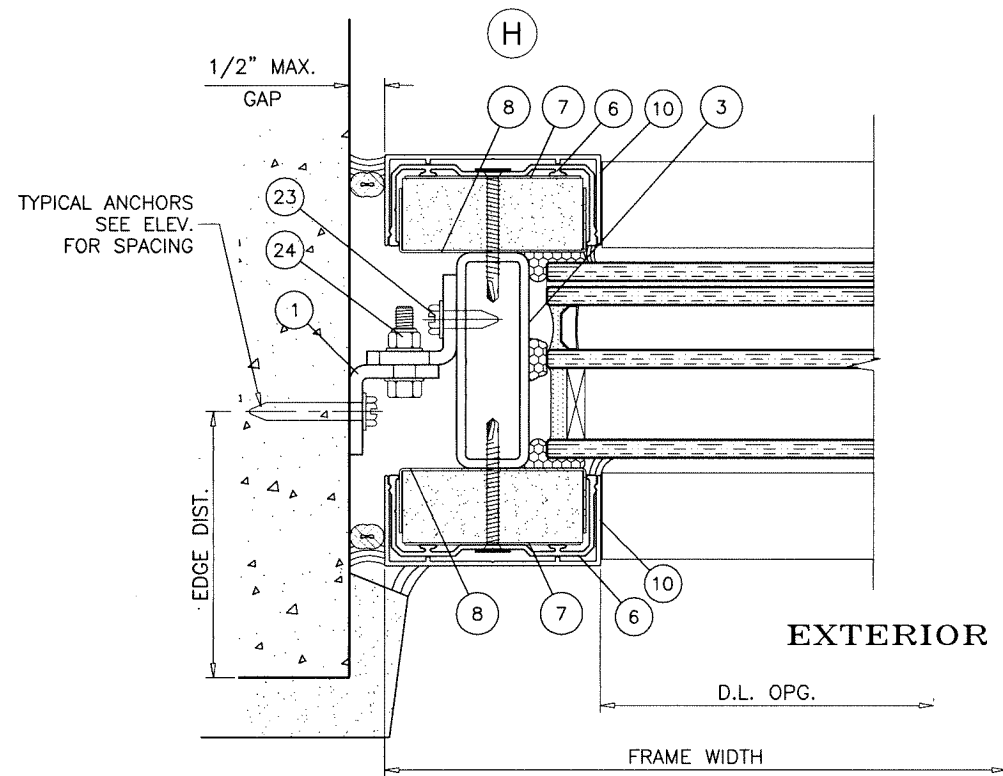


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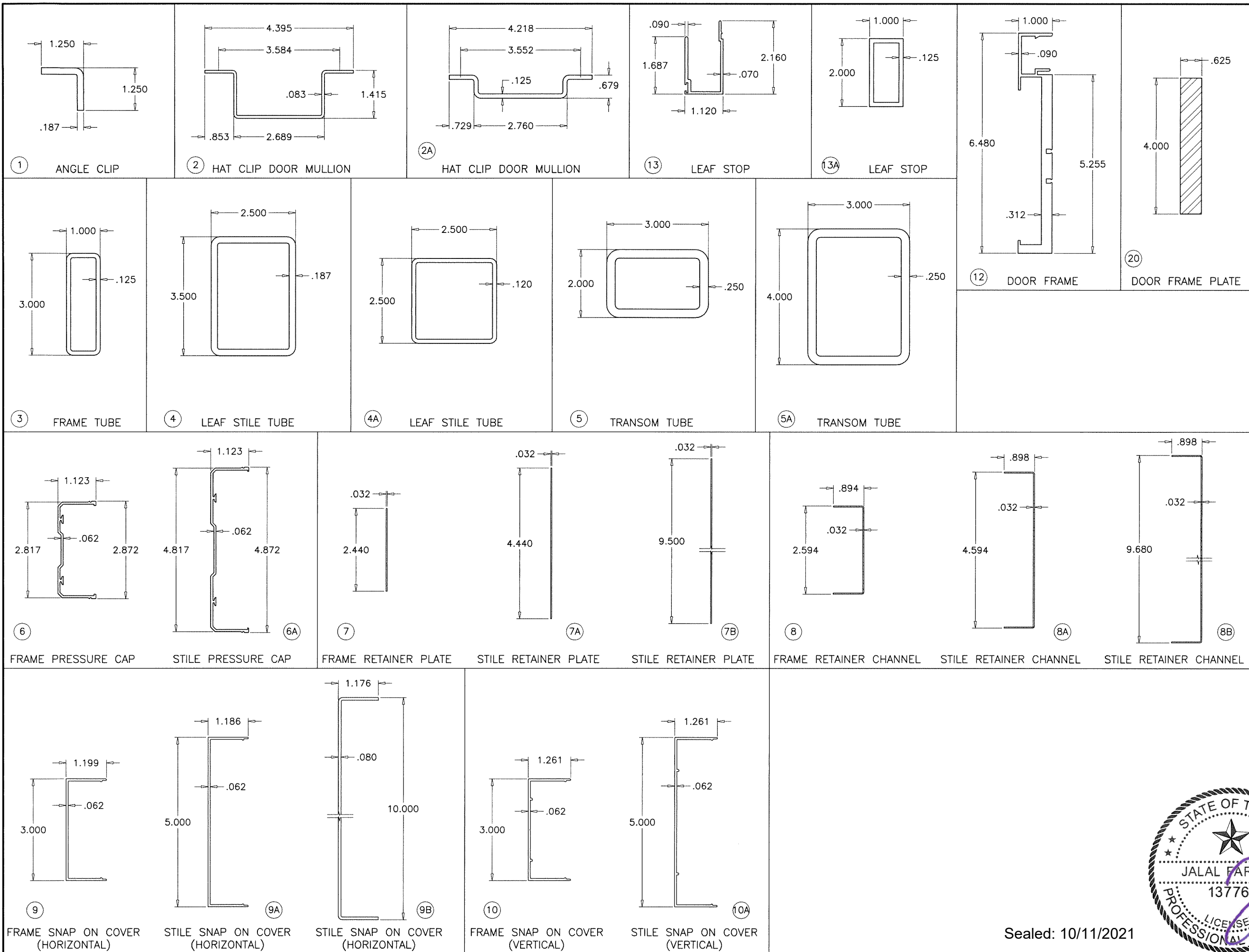
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 sheet 7 of 9



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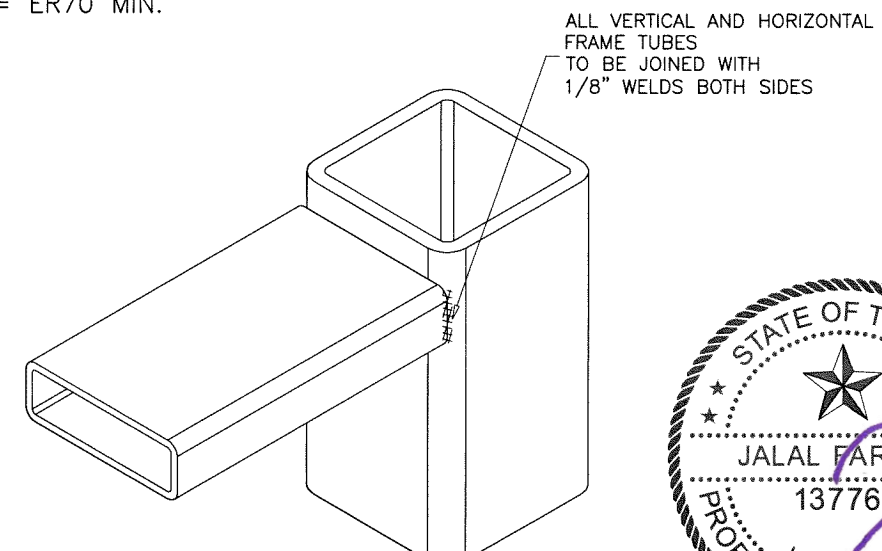
drawing no. **W15-86**
 sheet 8 of 9



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ITEM NO.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	AS REQD.	ANGLE CLIP, 2" LONG	A36 STEEL	A60 JET-COAT ASTM A-653
2	AS REQD.	HAT CLIP, 2" LONG	A36 STEEL	A60 JET-COAT ASTM A-653
2A	AS REQD.	HAT CLIP, 2" LONG	A36 STEEL	A60 JET-COAT ASTM A-653
3	4/ WDW.	FRAME TUBE	STEEL	ASTM A-513
4	AS REQD.	LEAF STILE TUBE	STEEL	ASTM A-513
4A	AS REQD.	LEAF STILE TUBE	STEEL	ASTM A-513
5	AS REQD.	TRANSOM TUBE	STEEL	ASTM A-513
6	8/ WDW.	FRAME PRESSURE CAP	6063-T5	-
6A	AS REQD.	STILE PRESSURE CAP	6063-T5	-
7	8/ WDW.	FRAME RETAINER PLATE	STEEL	A60 JET-COAT ASTM A-653
7A	AS REQD.	STILE RETAINER PLATE	STEEL	A60 JET-COAT ASTM A-653
7B	AS REQD.	STILE RETAINER PLATE	STEEL	A60 JET-COAT ASTM A-653
8	8/ WDW.	FRAME RETAINER CHANNEL	STEEL	A60 JET-COAT ASTM A-653
8A	AS REQD.	STILE RETAINER CHANNEL	STEEL	A60 JET-COAT ASTM A-653
8B	AS REQD.	STILE RETAINER CHANNEL	STEEL	A60 JET-COAT ASTM A-653
9	8/ WDW.	FRAME SNAP ON COVER HORIZONTAL	6063-T5	-
9A	AS REQD.	STILE SNAP ON COVER HORIZONTAL	6063-T5	-
9B	AS REQD.	STILE SNAP ON COVER HORIZONTAL	6063-T5	-
10	8/ WDW.	FRAME SNAP ON COVER VERTICAL	6063-T5	-
10A	AS REQD.	STILE SNAP ON COVER VERTICAL	6063-T5	-
11	2/ LITE	SETTING BLOCK, 1/4" X 1-3/8" X 3" LONG	EPDM	DUROMETER 80±5 SHORE A
12	4	DOOR FRAME	6063-T5	-
13	4	LEAF STOP	6063-T5	-
13A	4	LEAF STOP	6063-T5	-
14	AS REQD.	POLYPILE W'STRIPPING, .30" HIGH	-	PEMKO
15	AS REQD.	BULB W'STRIPPING	VINYL	PEMKO
16	#355A	BULB W'STRIPPING	VINYL	-
17	369	POLYPILE W'STRIPPING, .60" HIGH	-	PEMKO
18	351PK	MEETING RAIL SEAL	SILICONE	-
19	#919	CONT. HINGE	ST/ST	-
20	-	DOOR FRAME PLATE	STEEL	A36, Fu MIN. = 58 KSI
21	#10 X 3/4"	PLATE FASTENERS, AT 4" FROM ENDS & 24" O.C.	STEEL	FH SMS
22	#10 X 1-3/4"	ASSEMBLY FASTENERS AT 4" FROM ENDS & 12" O.C.	STEEL	FLAT HEAD TEKS
23	#12 X 1"	CLIP ANGLE TO FRAME FASTENER	STEEL	HH TEKS
24	1/4-20 X 1-1/4"	CLIP ANGLE TO ANGLE FASTENER	STEEL	HH BOLT W/ NUT AND WASHER

ALL WELDS PER AWS.
ELECTRODE = ER70 MIN.



Sealed: 10/11/2021



LOCK OPTIONS:

OPTION #1:

ACTIVE LEAF:

LEVER LOCK SET SERIES 8200 BY 'SARGENT' AT 40" FROM BOTTOM

INACTIVE LEAF:

MANUALLY OPERATED FLUSH BOLTS AT 12" FROM TOP AND BOTTOM.

OPTION #2:

ACTIVE & INACTIVE LEAF:

VERTICAL ROD PANIC EXIT DEVICE SERIES 9827-F BY 'VON DUPRIN' LOCATED AT 40" FROM SILL AT EACH LEAF.

HINGES:

CONTINUOUS STAINLESS STEEL HINGE SYSTEM (ZERO#919) FASTENED WITH #12-24 X 3/8" FH MS (20) SCREWS AT HINGE STILE (20) SCREWS AT FRAME JAMB SPACED AT 1-1/2" FROM ENDS AND 6" O.C. IN STAGGERED HOLES

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