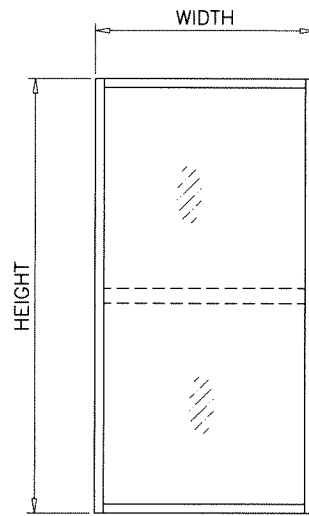
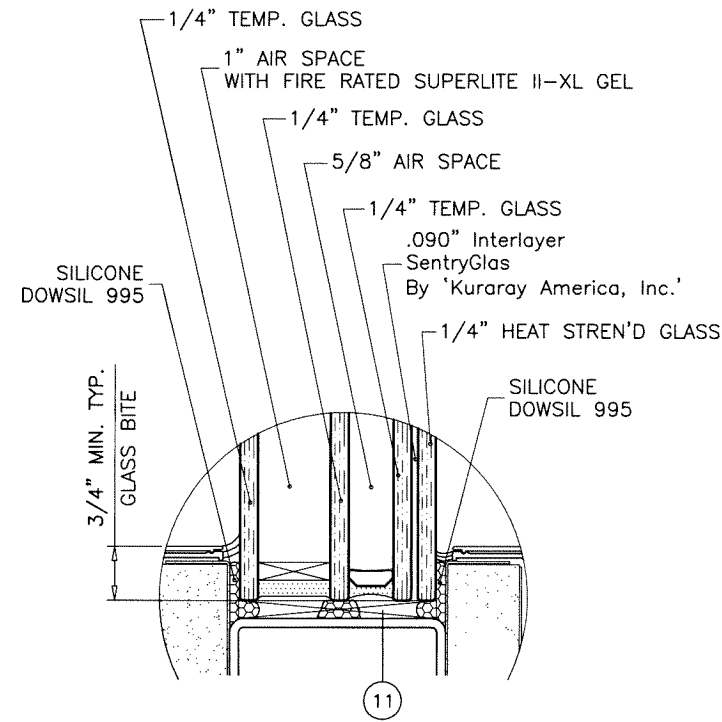


FIXED WINDOW LOAD CAPACITY FOR SIZES SHOWN OR SMALLER			
WINDOW DIMS.		LOADS - PSF	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
24"	144"	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
40"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0



NOTE:
MAX. GLASS AREA OF ANY LITE NOT TO EXCEED
TESTED GLASS AREA OF 31.2 SQ. FT.



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

GPX FIRE RATED WINDOW WALL SYSTEM

CHART ABOVE APPLIES TO SINGLE FIXED WINDOW OR SIDE BY SIDE COMBINATIONS OF FIXED/FIXED OR FIXED WITH OTHER TEXAS APPR'D WINDOWS USING AN APPROVED MULLION IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

MULTIPLE LITES WITH SAFTIFIRST MULLIONS SEE CHART ON SHEET 2 FOR LIMITATIONS.

THIS SYSTEM CAN BE MATED TO GPX FIRE RATED OUTSWING DOORS CARRYING THEIR OWN APPROVAL.

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.

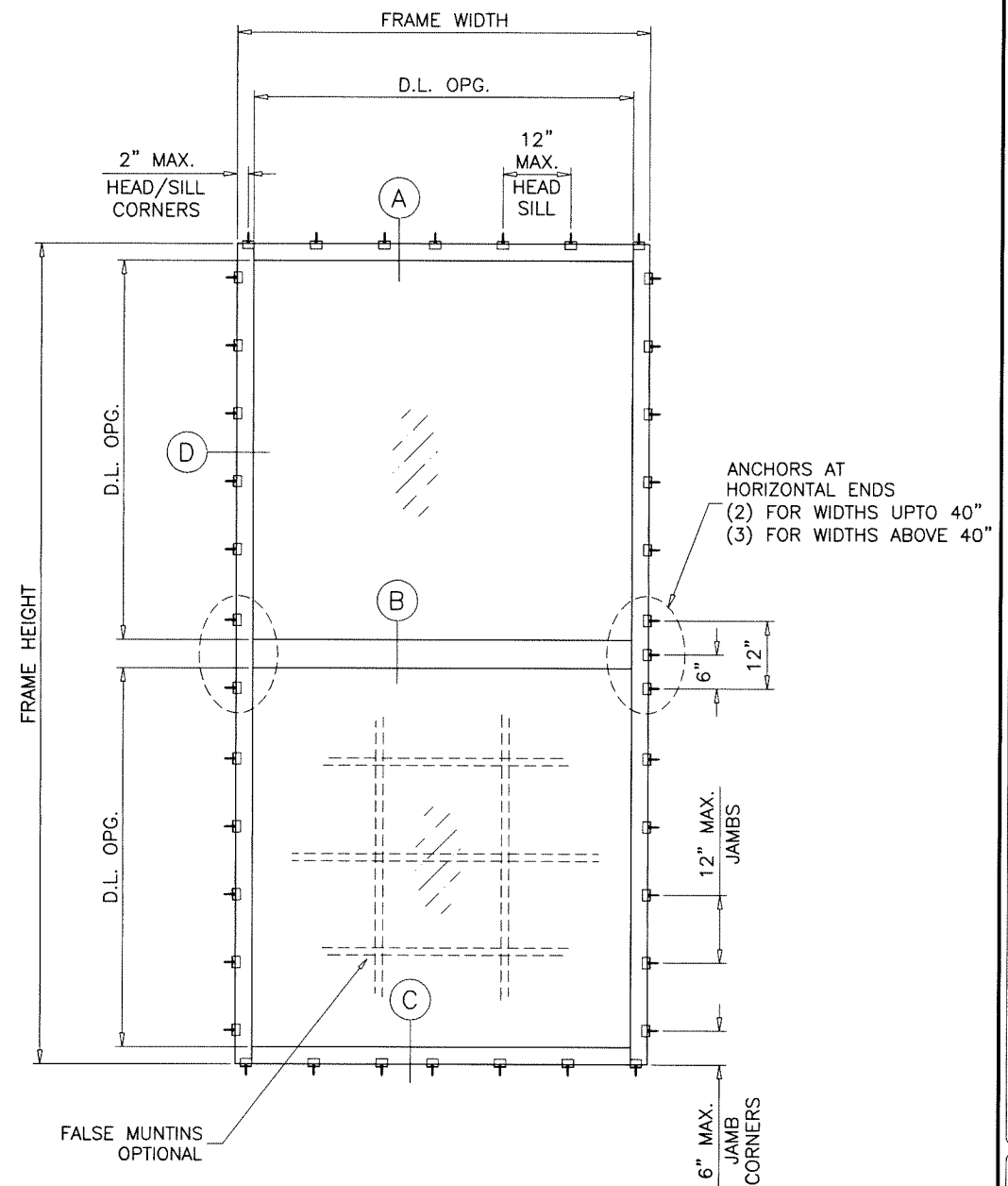
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2018 IRC/IBC.

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.

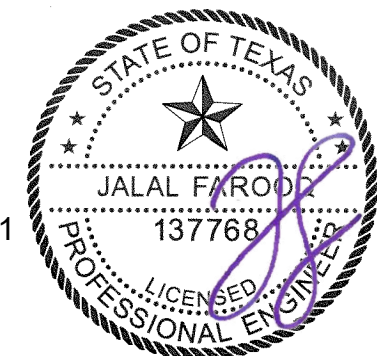
TESTING IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE.
LARGE MISSILE IMPACT TEST, TAS 201-94.
CYCLIC WIND PRESSURE TEST, TAS 203-94.
STATIC AIR PRESSURE TEST, TAS 202-94.



TYPICAL ELEVATION

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

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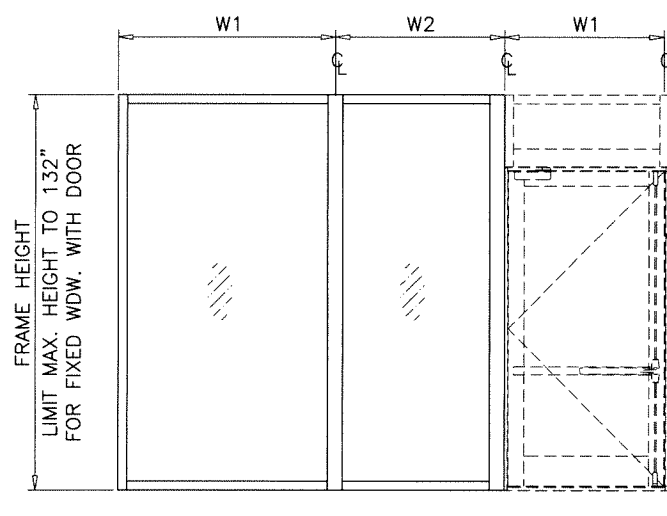
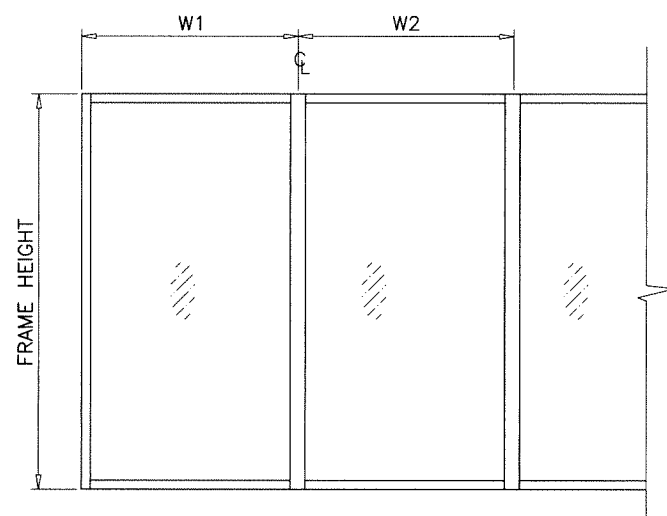


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GPX FIRE RATED WINDOW WALL SYSTEM (L.M.I.)
SAFTIFIRST
100 NORTH HILL DRIVE, SUITE 12
BRISBANE, CA. 94005-1010
TEL. (415) 230-6740 FAX. (415) 230-6741

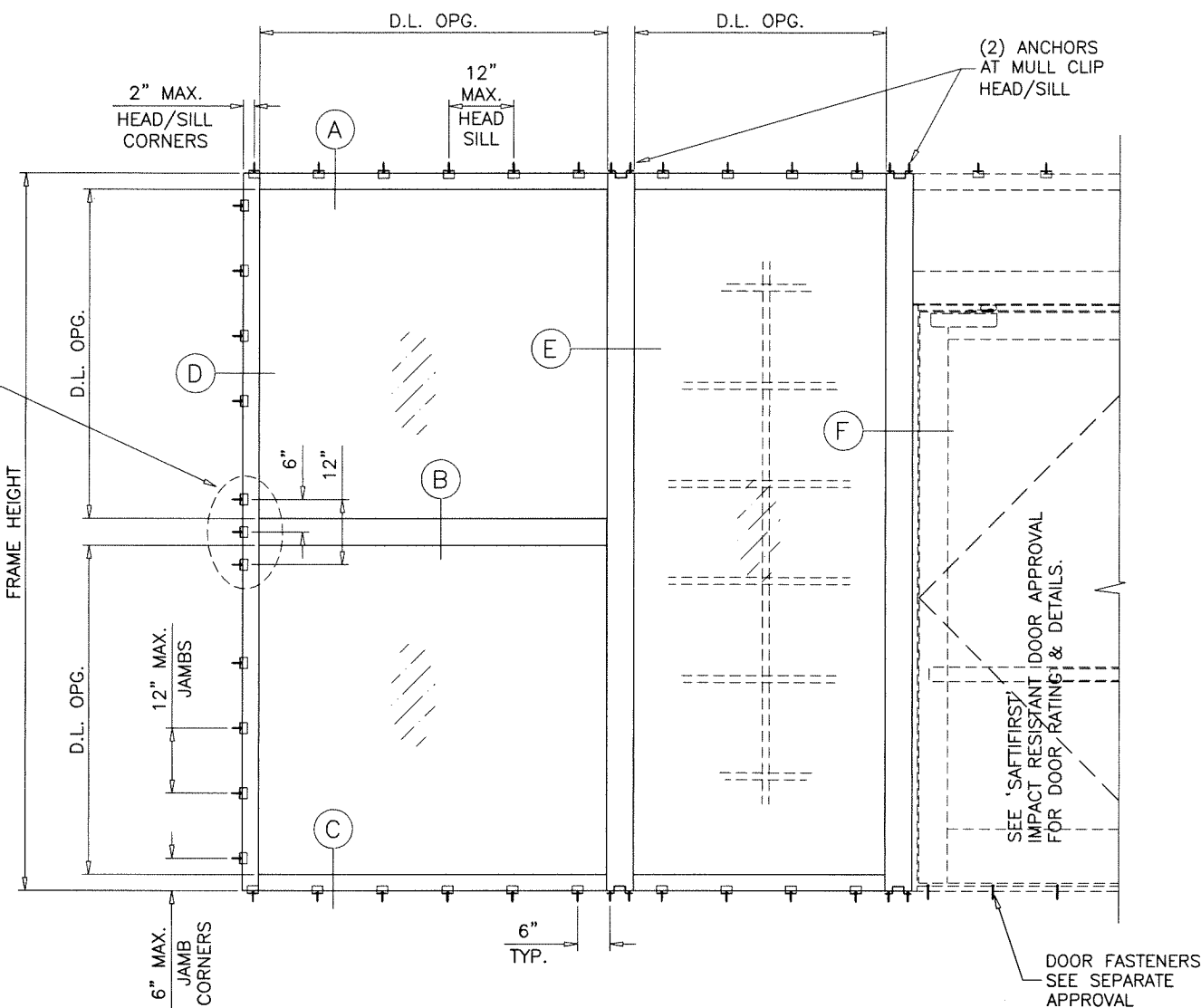
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dr. by:	TARIQ			
chk. by:				
drawing no.	W15-85			
sheet	1 of 5			

MULLION TUBE CAPACITY			
NOMINAL DIMS.		LOADS - PSF	
WIDTH (W)	HEIGHT	EXT.(+)	INT.(-)
24"	96"	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
40"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"	80.0	80.0	
24"	108"	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
40"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		78.8	78.8
72"	72.2	72.2	
24"	120"	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
40"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
60"		78.0	78.0
66"		70.9	70.9
72"	65.0	65.0	
24"	132"	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
40"		80.0	80.0
48"		80.0	80.0
54"		78.8	78.8
60"		70.9	70.9
66"		64.5	64.5
72"	59.1	59.1	
24"	144"	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
40"		80.0	80.0
48"		70.4	70.4
54"		62.6	62.6
60"		56.3	56.3
66"		51.2	51.2
72"	46.9	46.9	



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

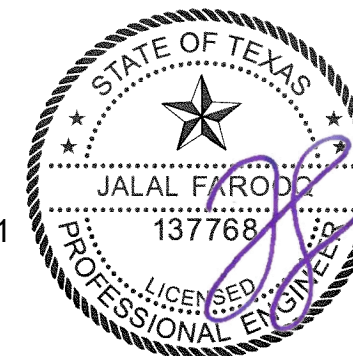
ANCHORS AT HORIZONTAL ENDS
(2) FOR WIDTHS UPTO 40"
(3) FOR WIDTHS ABOVE 40"



TYPICAL ELEVATION

SINGLE LEAF DOOR
'SAFTIFIRST' GPX FIRE RATED
SEE SEPARATE APPROVAL

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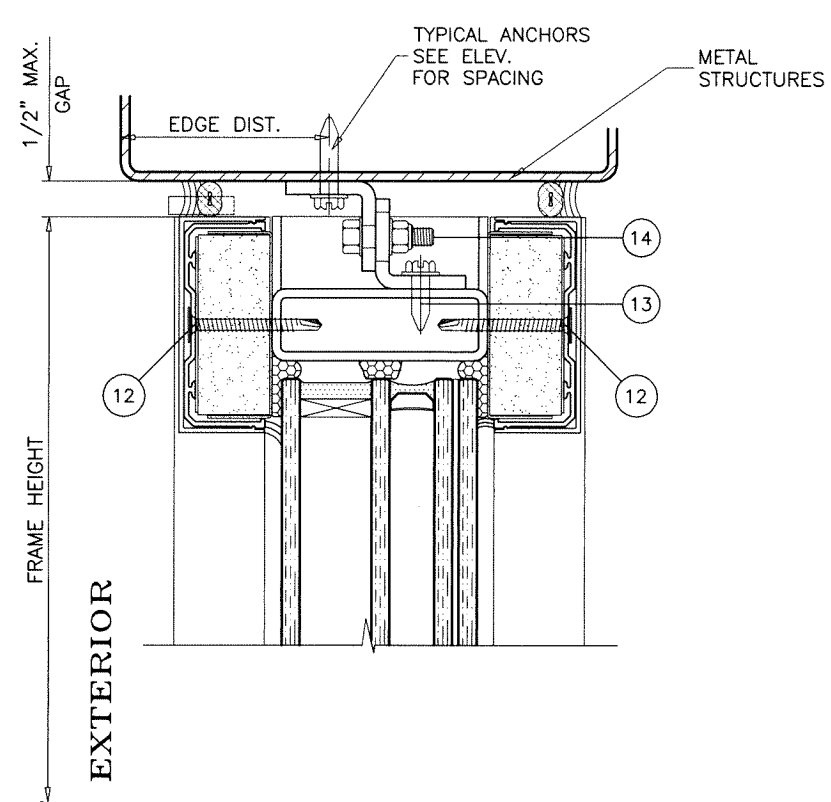
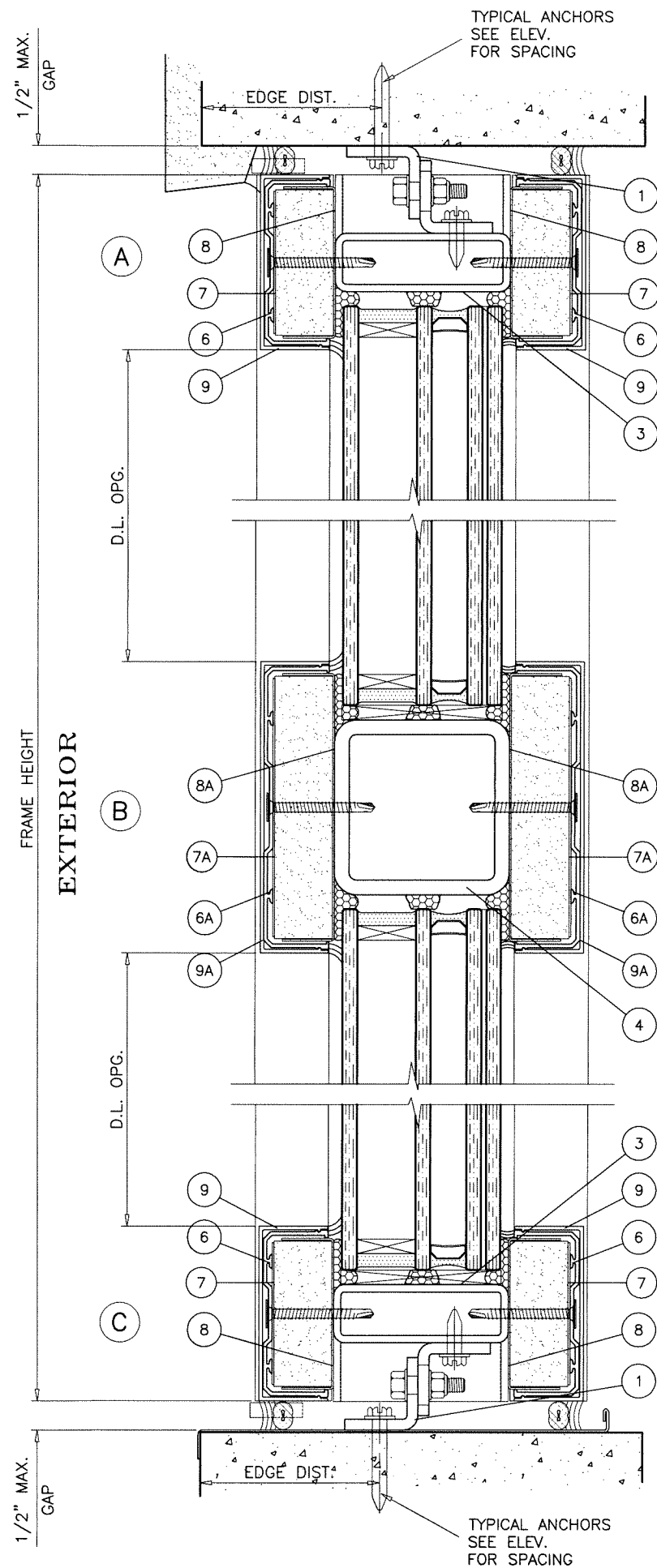
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revisions:	no	date	by	description

date: 11-03-15
scale: 3/8"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
W15-85
sheet 2 of 5

COMP-ANL\W15-85SF



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

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=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.

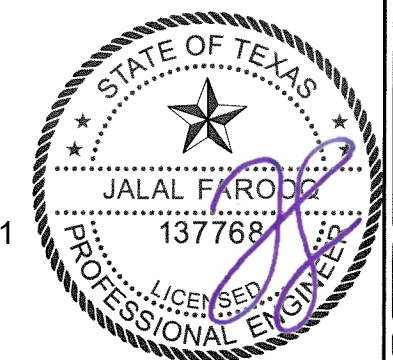
1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

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.

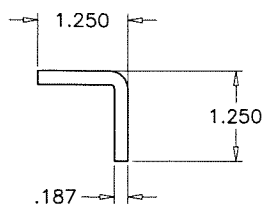
Sealed: 10/11/2021



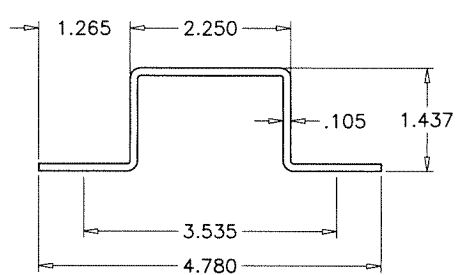
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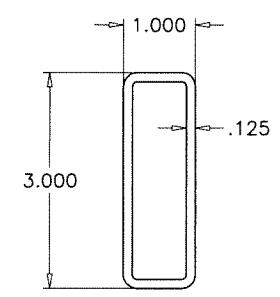
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drawing no.	W15-85			
sheet	3 of 5			



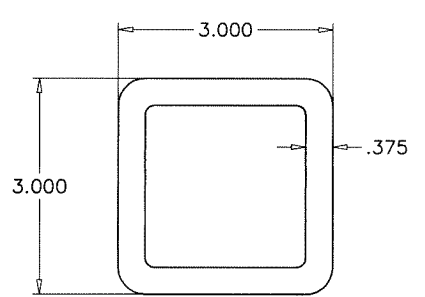
① INSTALLATION ANGLE



② MULLION CLIP



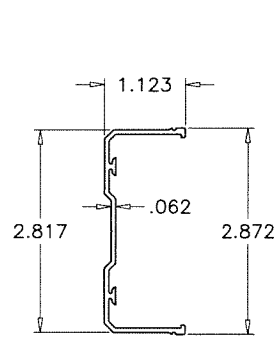
③ FRAME TUBE



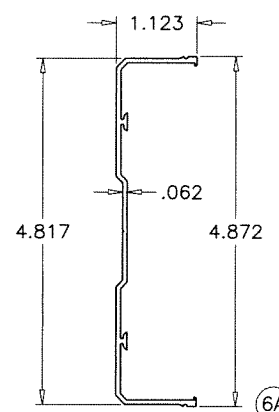
④ MULLION TUBE

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.	MULLION CLIP, 2" LONG	A36 STEEL	A60 JET-COAT ASTM A-653
3	4/ WDW.	FRAME TUBE	STEEL	ASTM A-513
4	AS REQD.	MULLION TUBE	STEEL	ASTM A-513
6	8/ WDW.	FRAME PRESSURE CAP	6063-T5	-
6A	AS REQD.	MULLION PRESSURE CAP	6063-T5	-
7	8/ WDW.	FRAME RETAINER PLATE	STEEL	A60 JET-COAT ASTM A-653
7A	AS REQD.	MULLION 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.	MULLION RETAINER CHANNEL	STEEL	A60 JET-COAT ASTM A-653
9	8/ WDW.	FRAME SNAP ON COVER HORIZONTAL	6063-T5	-
9A	AS REQD.	MULLION SNAP ON COVER HORIZONTAL	6063-T5	-
10	8/ WDW.	FRAME SNAP ON COVER VERTICAL	6063-T5	-
10A	AS REQD.	MULLION SNAP ON COVER VERTICAL	6063-T5	-
11	2/ LITE	SETTING BLOCK, 1/4" X 1-3/8" X 3" LONG	EPDM	DUROMETER 75±5 SHORE A
12	#10 X 1-3/4"	ASSEMBLY FASTENERS AT 4" FROM ENDS & 12" O.C.	STEEL	FLAT HEAD TEKS
13	#12 X 1"	CLIP ANGLE TO FRAME FASTENER	STEEL	HH TEKS
14	1/4-20 X 1-1/4"	CLIP ANGLE TO ANGLE FASTENER	STEEL	HH BOLT W/ NUT AND WASHER

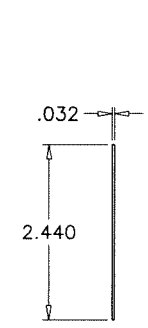
ALL WELDS PER AWS.
ELECTRODE = ER70 MIN.



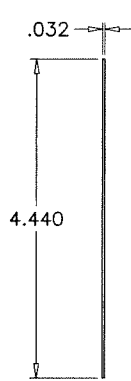
⑥ FRAME PRESSURE CAP



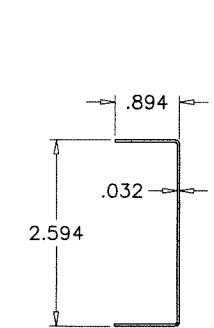
⑥A MULLION PRESSURE CAP



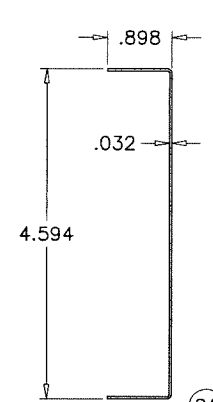
⑦ FRAME RETAINER PLATE



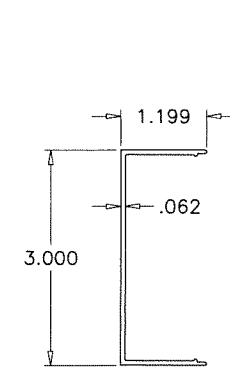
⑦A MULLION RETAINER PLATE



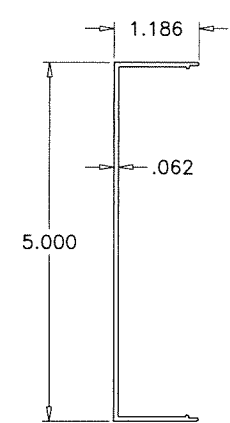
⑧ FRAME RETAINER CHANNEL



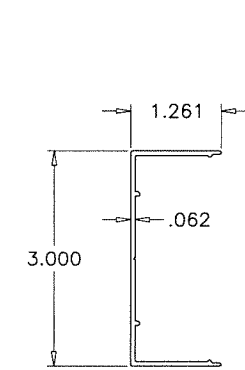
⑧A MULLION RETAINER CHANNEL



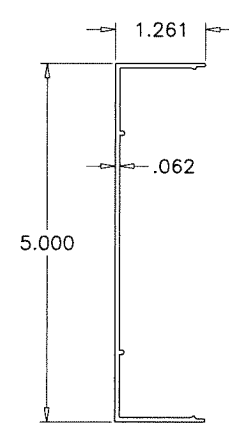
⑨ FRAME SNAP ON COVER (HORIZONTAL)



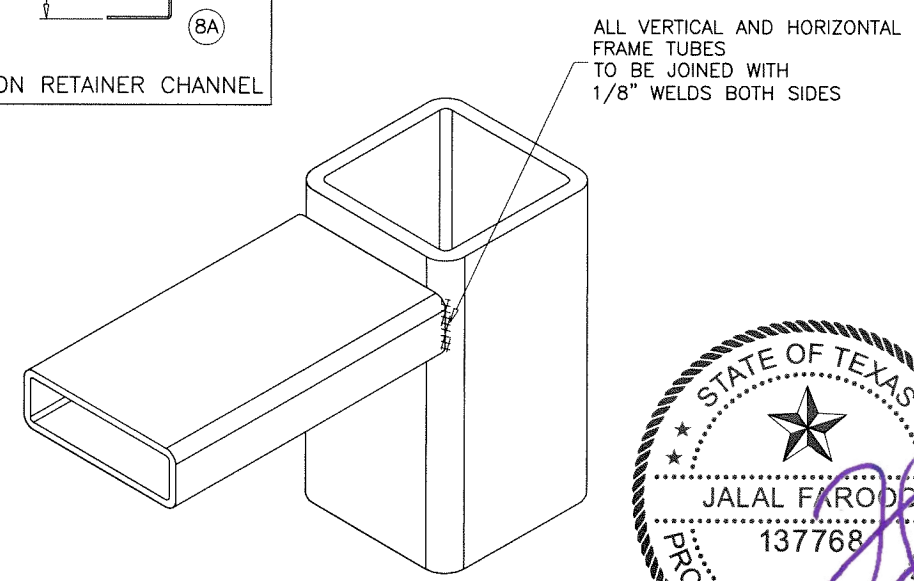
⑨A MULLION SNAP ON COVER (HORIZONTAL)



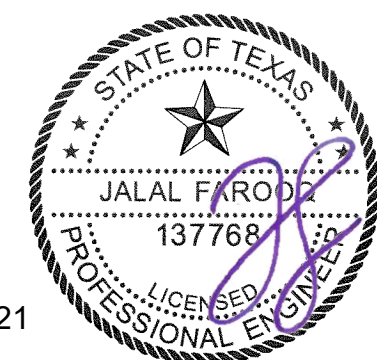
⑩ FRAME SNAP ON COVER (VERTICAL)



⑩A MULLION SNAP ON COVER (VERTICAL)



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