

**SERIES DHS-500
ALUMINUM WINDOW WALL/STOREFRONT SYSTEM**

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH F.B.C. APPROVED SMALL MISSILE IMPACT RESISTANT US ALUMINUM SERIES DH-350 DOORS.

LOWER DESIGN PRESSURE FROM STOREFRONT OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH 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 2017 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.

TYPICAL ELEVATIONS

THIS PRODUCT IS RATED FOR SMALL MISSILE IMPACT. F.B.C. APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

INSTRUCTIONS:

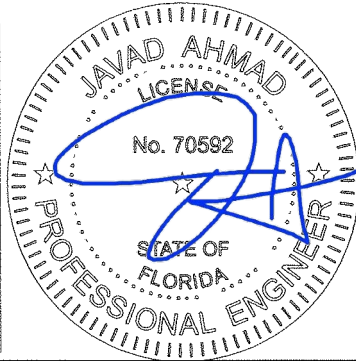
USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3 FOR STOREFRONT MULLION AND SHEETS 5 & 6 FOR DOOR MULLION. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHARTS ON SHEET 4 FOR STOREFRONT MULLION AND CHARTS ON SHEETS 5 & 6 FOR DOOR MULLION SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

- 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.

**LAMINATED GLASS
SMALL MISSILE IMPACT**

FL #18363



af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE\W15-53DD

Series 'DHS-500' Window/Storefront Sys. (S.M.I.)
US Aluminum
 Division Of C.R. Laurence Co., Inc.
 7500 N.W. 69TH AVE.
 MIAMI, FL 33166
 TEL. (305) 888-0077 FAX. (305) 884-3111

revisions:	no	date	by	description
	A	02.13.18		UPDATED TO 2017 FBC

date:	08-18-15
scale:	1/2"=1'-0"
dr. by:	TARIO
chk. by:	

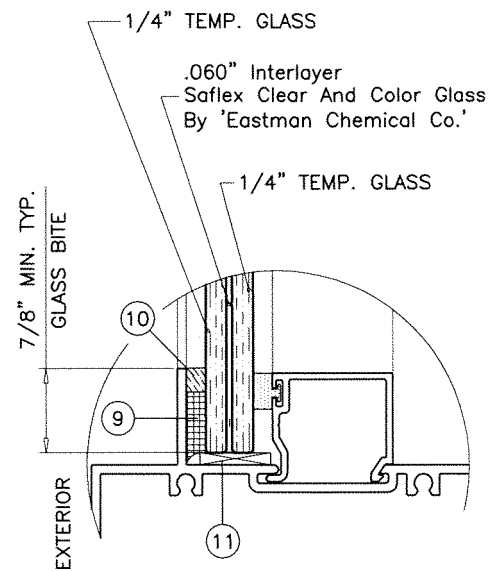
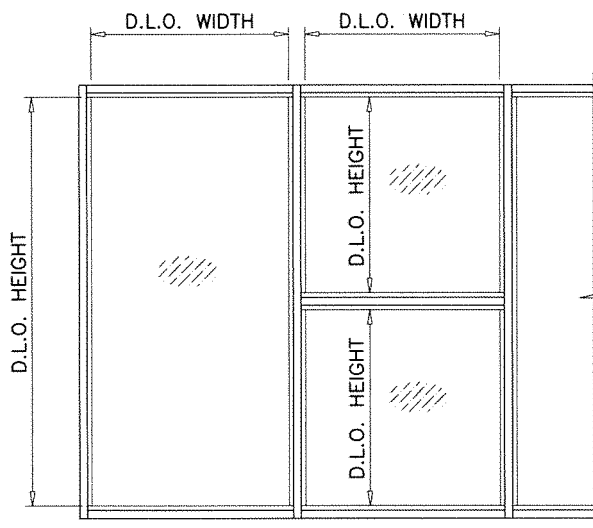
drawing no.	W15-53
sheet	1 of 11

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		9/16" LAM. GL.
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)/INT.(-)
28"	60"	130.0
32"		130.0
36"		130.0
40"		130.0
44"		130.0
48"		130.0
52"		110.8
56"		95.5
60"	83.2	
28"	66"	130.0
32"		130.0
36"		130.0
40"		130.0
44"		130.0
48"		130.0
52"		110.8
56"		95.5
60"	83.2	
28"	72"	130.0
32"		130.0
36"		130.0
40"		130.0
44"		130.0
48"		130.0
52"		110.8
56"		95.5
60"	83.2	
28"	78"	130.0
32"		130.0
36"		130.0
40"		130.0
44"		130.0
48"		130.0
52"		110.8
56"		95.5
60"	83.2	
28"	84"	130.0
32"		130.0
36"		130.0
40"		130.0
44"		130.0
48"		130.0
52"		110.8
56"		95.5
60"	83.2	
28"	90"	130.0
32"		130.0
36"		130.0
40"		130.0
44"		130.0
48"		130.0
52"		110.8
56"		95.5

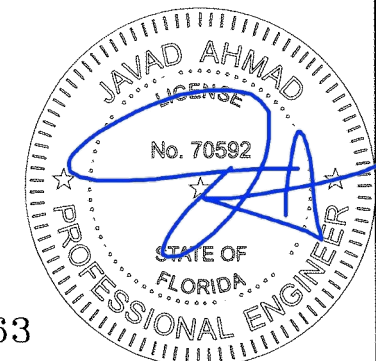
GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		9/16" LAM. GL.
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)/INT.(-)
28"	96"	130.0
32"		130.0
36"		130.0
40"		130.0
44"		130.0
48"		130.0
52"		110.8
56"		95.5
60"	83.2	
28"	102"	130.0
32"		130.0
36"		130.0
40"		130.0
44"		130.0
48"		130.0
52"		110.8
56"		95.5
60"	83.2	
28"	108"	130.0
32"		130.0
36"		130.0
40"		130.0
44"		130.0
48"		130.0
52"		110.8
56"		95.5
60"	83.2	
28"	114"	130.0
32"		130.0
36"		130.0
40"		130.0
44"		130.0
48"		130.0
52"		110.8
56"		95.5
60"	83.2	
44-1/4"	114-1/2"	130.0

D.L.O. WIDTH DEDUCTION = 3-3/4"
D.L.O. HEIGHT DEDUCTION = 5-1/2"

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



GLAZING DETAIL



FL #18363

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

Series 'DHS-500' Window/Storefront Sys. (S.M.I.)
US Aluminum
Division Of C.R. Laurence Co., Inc.
7500 N.W. 69TH AVE.
MIAMI, FL 33166
TEL. (305) 888-0077 FAX. (305) 884-3111

revisions:	no	date	description

date: 08-18-15
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W15-53
sheet 2 of 11

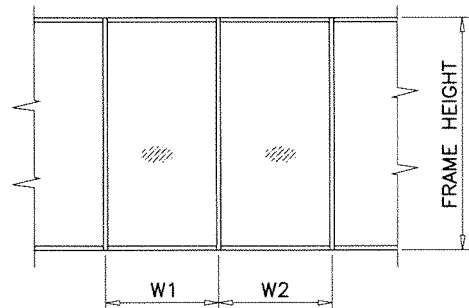
STORE\W15-53DD

MULLION LOAD CAPACITY - PSF MULLIONS WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		WITHOUT REINF.	LIGHT REINF.	HEAVY REINF.
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
32"	72"	100.0	130.0	130.0
36"		100.0	130.0	130.0
40"		100.0	130.0	130.0
44"		100.0	130.0	130.0
48"		100.0	130.0	130.0
52"		100.0	130.0	130.0
56"		100.0	130.0	130.0
60"	100.0	130.0	130.0	
32"	78"	100.0	130.0	130.0
36"		100.0	130.0	130.0
40"		100.0	130.0	130.0
44"		100.0	130.0	130.0
48"		100.0	130.0	130.0
52"		100.0	130.0	130.0
56"		99.0	130.0	130.0
60"	95.4	130.0	130.0	
32"	84"	100.0	130.0	130.0
36"		100.0	130.0	130.0
40"		100.0	130.0	130.0
44"		98.3	130.0	130.0
48"		91.9	130.0	130.0
52"		86.7	130.0	130.0
56"		82.4	130.0	130.0
60"	79.0	130.0	130.0	
32"	90"	100.0	130.0	130.0
36"		99.9	130.0	130.0
40"		91.1	130.0	130.0
44"		84.0	130.0	130.0
48"		78.3	130.0	130.0
52"		73.6	130.0	130.0
56"		69.8	130.0	130.0
60"	66.6	124.6	130.0	
32"	96"	96.6	130.0	130.0
36"		86.7	130.0	130.0
40"		78.9	130.0	130.0
44"		72.7	130.0	130.0
48"		67.6	127.1	130.0
52"		63.4	119.2	130.0
56"		59.9	112.7	130.0
60"	57.0	107.2	130.0	
32"	98"	92.4		
36"		82.9		
40"		75.4		
44"		69.4		
48"		64.5		

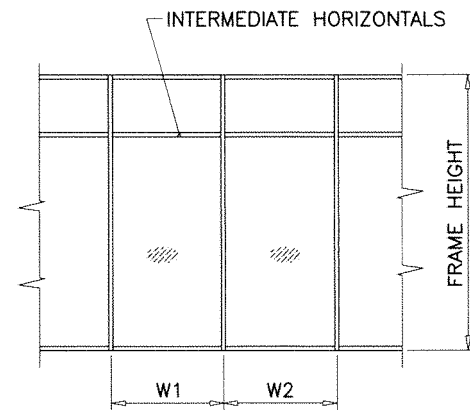
MULLION LOAD CAPACITY - PSF MULLIONS WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINF.	LIGHT REINF.	HEAVY REINF.	
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	
32"	102"	84.8	130.0	130.0	
36"		76.0	130.0	130.0	
40"		69.1	130.0	130.0	
44"		63.5	120.1	130.0	
48"		58.9	111.5	130.0	
52"		55.1	104.3	130.0	
56"		52.0	98.4	130.0	
32"	108"	74.9	130.0	130.0	
36"		67.1	127.6	130.0	
40"		60.9	115.9	130.0	
44"		55.9	106.4	130.0	
48"		51.8	98.6	130.0	
52"		48.4	92.1	129.0	
32"		114"	64.2	127.5	130.0
36"	57.6		114.1	130.0	
40"	52.3		103.5	130.0	
44"	48.1		94.9	130.0	
48"	44.6		87.9	123.0	
32"	120"		54.9	114.8	130.0
36"			49.2	102.7	130.0
40"		44.6	93.1	130.0	
44"		41.0	85.3	119.4	
48"		37.9	78.8	110.4	

MULLION LOAD CAPACITY - PSF MULLIONS WITH INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		WITHOUT REINF.	LIGHT REINF.	HEAVY REINF.
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
32"	72"	100.0	130.0	130.0
36"		100.0	130.0	130.0
40"		100.0	130.0	130.0
44"		100.0	130.0	130.0
48"		100.0	130.0	130.0
52"		100.0	130.0	130.0
56"		97.0	130.0	130.0
60"	90.5	130.0	130.0	
32"	78"	100.0	130.0	130.0
36"		100.0	130.0	130.0
40"		100.0	130.0	130.0
44"		100.0	130.0	130.0
48"		95.8	130.0	130.0
52"		88.4	130.0	130.0
56"		82.1	130.0	130.0
60"	76.6	130.0	130.0	
32"	84"	100.0	130.0	130.0
36"		100.0	130.0	130.0
40"		98.5	130.0	130.0
44"		89.5	130.0	130.0
48"		82.1	130.0	130.0
52"		75.8	130.0	130.0
56"		70.4	130.0	130.0
60"	65.7	122.0	130.0	
32"	90"	100.0	130.0	130.0
36"		94.8	130.0	130.0
40"		85.3	130.0	130.0
44"		77.5	130.0	130.0
48"		71.1	130.0	130.0
52"		65.6	122.7	130.0
56"		60.9	113.9	130.0
60"	56.9	106.3	130.0	
32"	96"	93.2	130.0	130.0
36"		82.8	130.0	130.0
40"		74.5	130.0	130.0
44"		67.8	127.4	130.0
48"		62.1	116.8	130.0
52"		57.3	107.8	130.0
56"		53.2	100.1	130.0
60"	49.7	93.4	130.0	
32"	98"	89.2		
36"		79.3		
40"		71.4		
44"		64.9		
48"		59.5		

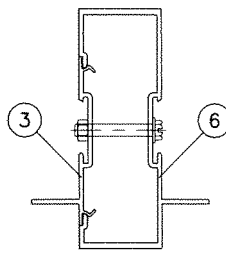
MULLION LOAD CAPACITY - PSF MULLIONS WITH INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINF.	LIGHT REINF.	HEAVY REINF.	
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	
32"	102"	82.1	130.0	130.0	
36"		72.9	130.0	130.0	
40"		65.6	124.1	130.0	
44"		59.7	112.9	130.0	
48"		54.7	103.5	130.0	
52"		50.5	95.5	130.0	
56"		46.9	88.7	124.2	
32"	108"	72.8	130.0	130.0	
36"		64.7	123.0	130.0	
40"		58.2	110.7	130.0	
44"		52.9	100.7	130.0	
48"		48.5	92.3	129.2	
52"		44.8	85.2	119.3	
32"		114"	62.4	124.2	130.0
36"	55.4		110.4	130.0	
40"	49.9		99.4	130.0	
44"	45.4		90.3	126.5	
48"	41.6		82.8	116.0	
32"	120"		53.5	112.1	130.0
36"			47.5	99.7	130.0
40"		42.8	89.7	125.6	
44"		38.9	81.5	114.2	
48"		35.6	74.7	104.7	



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

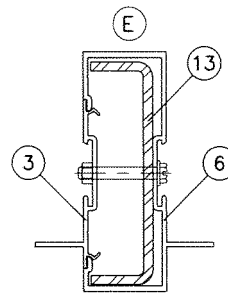


$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



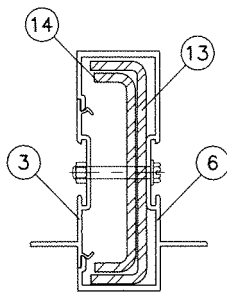
WITHOUT REINFORCING

Ix IN ⁴	Sx IN ³
4.7649	1.8627



LIGHT REINFORCING

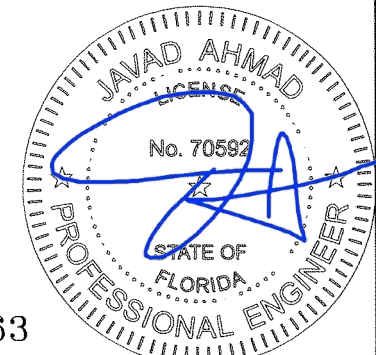
ALUMINUM	Ix IN ⁴	Sx IN ³
STEEL	3.1584	1.3658
TOTAL	Ix ALUM + Ix STL X 2.9	13.9234



HEAVY REINFORCING

ALUMINUM	Ix IN ⁴	Sx IN ³
STEEL	5.0811	2.1972
TOTAL	Ix ALUM + Ix STL X 2.9	19.4992

NOTE:
LIMIT ALL EXT.(+) LOADS SHOWN ON THIS SHEET
TO +100.0 PSF



FL #18363

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

Series 'DHS-500' Window/Storefront Sys. (S.M.I.)
US Aluminum
Division Of C.R. Laurence Co., Inc.
7500 N.W. 69TH AVE.
MIAMI, FL 33166
TEL: (305) 888-0077 FAX: (305) 884-3111

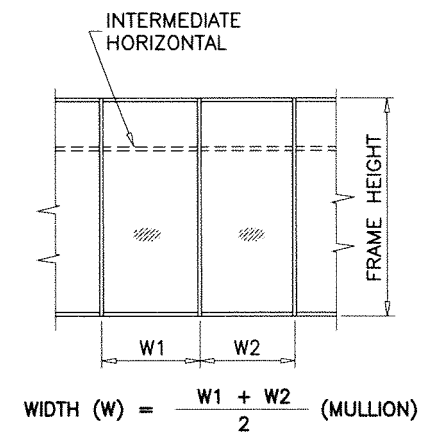
revisions:
no date by description

date: 08-18-15
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W15-53
sheet 3 of 11

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)								
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'		ANCHORS TYPE 'C'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3	C2	C3
32"	72"	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0
40"		130.0	130.0	130.0	130.0	130.0	130.0	130.0
44"		130.0	130.0	130.0	130.0	130.0	130.0	130.0
45"		120.0	130.0	130.0	130.0	130.0	130.0	130.0
48"		110.0	130.0	130.0	130.0	130.0	130.0	130.0
52"		101.5	130.0	130.0	130.0	130.0	130.0	130.0
56"		94.3	130.0	130.0	130.0	130.0	130.0	130.0
60"		88.0	123.2	130.0	130.0	130.0	130.0	130.0
32"	78"	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0
40"		121.8	130.0	130.0	130.0	130.0	130.0	130.0
44"		110.8	130.0	130.0	130.0	130.0	130.0	130.0
45"		108.3	130.0	130.0	130.0	130.0	130.0	130.0
48"		101.5	130.0	130.0	130.0	130.0	130.0	130.0
52"		93.7	130.0	130.0	130.0	130.0	130.0	130.0
56"		87.0	121.8	130.0	128.6	130.0	128.9	130.0
60"		81.2	113.7	130.0	120.0	130.0	120.3	130.0
32"	84"	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		125.7	130.0	130.0	130.0	130.0	130.0	130.0
40"		113.1	130.0	130.0	130.0	130.0	130.0	130.0
44"		102.9	130.0	130.0	130.0	130.0	130.0	130.0
45"		100.6	130.0	130.0	130.0	130.0	130.0	130.0
48"		94.3	130.0	130.0	130.0	130.0	130.0	130.0
52"		87.0	121.8	130.0	128.6	130.0	128.9	130.0
56"		80.8	113.1	130.0	119.4	130.0	119.7	130.0
60"		75.4	105.6	130.0	111.4	130.0	111.7	130.0
32"	90"	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		117.3	130.0	130.0	130.0	130.0	130.0	130.0
40"		105.6	130.0	130.0	130.0	130.0	130.0	130.0
44"		96.0	130.0	130.0	130.0	130.0	130.0	130.0
45"		93.9	130.0	130.0	130.0	130.0	130.0	130.0
48"		88.0	123.2	130.0	130.0	130.0	130.0	130.0
52"		81.2	113.7	130.0	120.0	130.0	120.3	130.0
56"		75.4	105.6	130.0	111.4	130.0	111.7	130.0
60"		70.4	98.6	126.7	104.0	130.0	104.3	130.0
32"	96"	123.8	130.0	130.0	130.0	130.0	130.0	130.0
36"		110.0	130.0	130.0	130.0	130.0	130.0	130.0
40"		99.0	130.0	130.0	130.0	130.0	130.0	130.0
44"		90.0	126.0	130.0	130.0	130.0	130.0	130.0
45"		88.0	123.2	130.0	130.0	130.0	130.0	130.0
48"		82.5	115.5	130.0	121.9	130.0	122.2	130.0
52"		76.2	106.6	130.0	112.5	130.0	112.8	130.0
56"		70.7	99.0	127.3	104.5	130.0	104.7	130.0
60"		66.0	92.4	118.8	97.5	130.0	97.8	130.0
32"	102"	116.5	130.0	130.0	130.0	130.0	130.0	130.0
36"		103.5	130.0	130.0	130.0	130.0	130.0	130.0
40"		93.2	130.0	130.0	130.0	130.0	130.0	130.0
44"		84.7	118.6	130.0	125.1	130.0	125.5	130.0
45"		82.8	116.0	130.0	122.4	130.0	122.7	130.0
48"		77.6	108.7	130.0	114.7	130.0	115.0	130.0
52"		71.7	100.3	129.0	105.9	130.0	106.2	130.0
56"		66.6	93.2	119.8	98.3	130.0	98.6	130.0

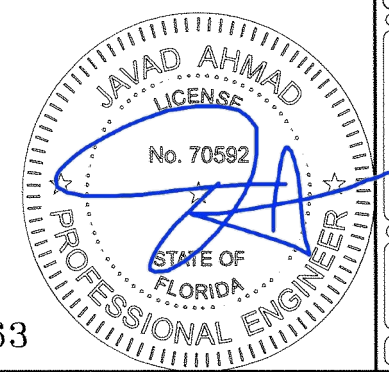
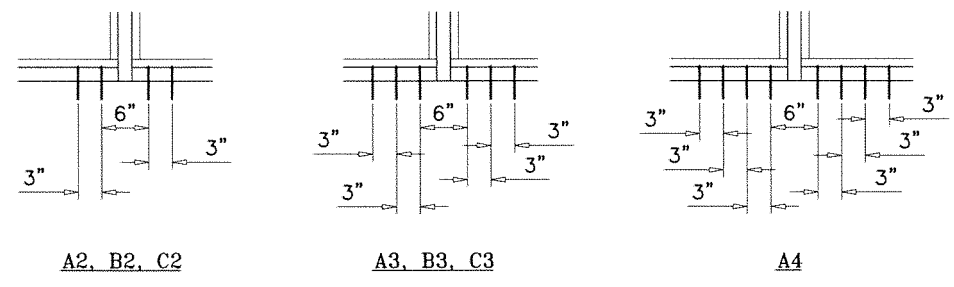
ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)									
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'		ANCHORS TYPE 'C'		
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3	C2	C3	
32"	108"	110.0	130.0	130.0	130.0	130.0	130.0	130.0	
36"		97.8	130.0	130.0	130.0	130.0	130.0	130.0	
40"		88.0	123.2	130.0	130.0	130.0	130.0	130.0	
44"		80.0	112.0	130.0	118.2	130.0	118.5	130.0	
45"		78.2	109.5	130.0	115.6	130.0	115.9	130.0	
48"		73.3	102.7	130.0	108.3	130.0	108.6	130.0	
52"		67.7	94.8	121.8	100.0	130.0	100.3	130.0	
32"		114"	104.2	130.0	130.0	130.0	130.0	130.0	130.0
36"			92.6	129.7	130.0	130.0	130.0	130.0	130.0
40"	83.4		116.7	130.0	123.2	130.0	123.5	130.0	
44"	75.8		106.1	130.0	112.0	130.0	112.2	130.0	
45"	74.1		103.7	130.0	109.5	130.0	109.8	130.0	
48"	69.5	97.3	125.1	102.6	130.0	102.9	130.0		
32"	120"	99.0	130.0	130.0	130.0	130.0	130.0	130.0	
36"		88.0	123.2	130.0	130.0	130.0	130.0	130.0	
40"		79.2	110.9	130.0	117.0	130.0	117.3	130.0	
44"		72.0	100.8	129.6	106.4	130.0	106.6	130.0	
45"		70.4	98.6	126.7	104.0	130.0	104.3	130.0	
48"		66.0	92.4	118.8	97.5	130.0	97.8	130.0	



ANCHORS TYPES: SEE SHEET 7 FOR DESCRIPTION & SHEET 1 FOR INSTRUCTIONS

- A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
- B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
- C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION
- A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
- B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
- C3 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION
- A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.



FL #18363

af c

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

Series 'DHS-500' Window/Storefront Sys. (S.M.I.)

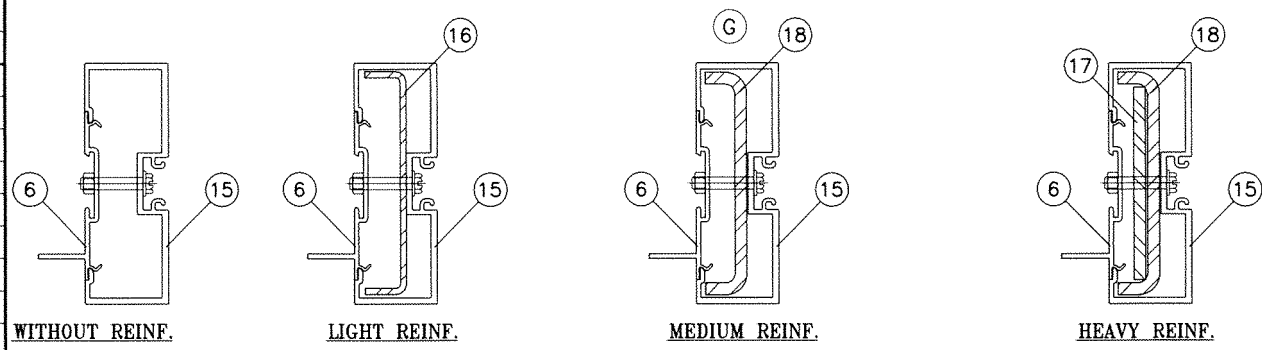
US Aluminum
Division Of C.R. Laurence Co., Inc.
7500 N.W. 69TH AVE.
MIAMI, FL 33166
TEL. (305) 888-0077 FAX. (305) 884-3111

STORE W15-53DD

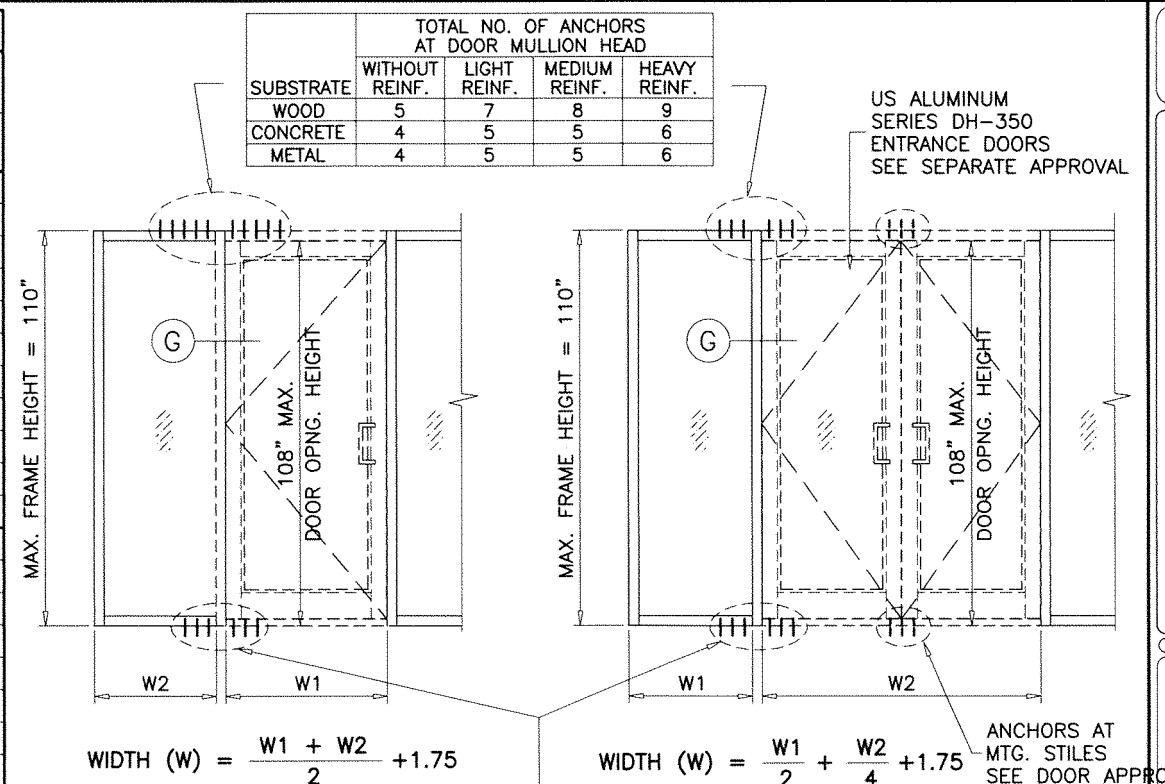
revisions:	no	date	description
date:	08-18-15	scale:	1/2" = 1"
dr. by:	TARIO	chk. by:	
drawing no.	W15-53		
sheet	4 of 11		

DOOR MULLION LOAD CAPACITY-PSF					
WIDTH (W) INCHES	FRAME HEIGHT INCHES	WITHOUT REINF.	LIGHT REINF.	MEDIUM REINF.	HEAVY REINF.
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	82	75.0	100.0	100.0	100.0
33		75.0	100.0	100.0	100.0
36		75.0	100.0	100.0	100.0
39		75.0	100.0	100.0	100.0
42		75.0	100.0	100.0	100.0
45		75.0	100.0	100.0	100.0
48		75.0	100.0	100.0	100.0
51		75.0	100.0	100.0	100.0
54		75.0	100.0	100.0	100.0
57		75.0	100.0	100.0	100.0
60	71.8	95.9	100.0	100.0	
30	86	75.0	100.0	100.0	100.0
33		75.0	100.0	100.0	100.0
36		75.0	100.0	100.0	100.0
39		75.0	100.0	100.0	100.0
42		75.0	100.0	100.0	100.0
45		75.0	100.0	100.0	100.0
48		75.0	100.0	100.0	100.0
51		75.0	100.0	100.0	100.0
54		72.2	96.9	100.0	100.0
57		68.4	91.8	100.0	100.0
60	-	87.2	100.0	100.0	
30	92	75.0	100.0	100.0	100.0
33		75.0	100.0	100.0	100.0
36		75.0	100.0	100.0	100.0
39		75.0	100.0	100.0	100.0
42		75.0	100.0	100.0	100.0
45		75.0	100.0	100.0	100.0
48		70.5	95.3	100.0	100.0
51		66.4	89.7	100.0	100.0
54		62.7	84.7	100.0	100.0
57		-	80.2	100.0	100.0
60	-	76.2	100.0	100.0	
30	98	75.0	100.0	100.0	100.0
33		75.0	100.0	100.0	100.0
36		75.0	100.0	100.0	100.0
39		75.0	100.0	100.0	100.0
42		70.6	95.9	100.0	100.0
45		65.9	89.5	100.0	100.0
48		61.8	83.9	100.0	100.0
51		58.1	79.0	100.0	100.0
54		-	74.6	100.0	100.0
57		-	70.7	96.7	100.0
60	-	67.2	91.9	100.0	
30	104	75.0	100.0	100.0	100.0
33		75.0	100.0	100.0	100.0
36		72.7	99.4	100.0	100.0
39		67.1	91.7	100.0	100.0
42		62.3	85.2	100.0	100.0
45		58.1	79.5	100.0	100.0
48		54.5	74.5	100.0	100.0
51		-	70.2	96.0	100.0
54		-	66.3	90.7	100.0
57		-	62.8	85.9	100.0
60	-	59.6	81.6	100.0	

DOOR MULLION LOAD CAPACITY-PSF					
WIDTH (W) INCHES	FRAME HEIGHT INCHES	WITHOUT REINF.	LIGHT REINF.	MEDIUM REINF.	HEAVY REINF.
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	110	75.0	100.0	100.0	100.0
33		70.4	96.9	100.0	100.0
36		64.6	88.8	100.0	100.0
39		59.6	82.0	100.0	100.0
42		55.3	76.1	100.0	100.0
45		51.6	71.1	97.2	100.0
48		-	66.6	91.2	100.0
51		-	62.7	85.8	100.0
54		-	59.2	81.0	100.0
57		-	56.1	76.8	97.6
60	-	53.3	72.9	92.7	
30	116	-	95.9	100.0	100.0
33		-	87.1	100.0	100.0
36		-	79.9	100.0	100.0
39		-	73.7	100.0	100.0
42		-	68.5	93.7	100.0
45		-	63.9	87.4	100.0
48		-	59.9	82.0	100.0
51		-	56.4	77.2	98.1
54		-	53.3	72.9	92.6
57		-	50.5	69.0	87.7
60	-	47.9	65.6	83.4	
30	120	-	89.6	100.0	100.0
33		-	81.4	100.0	100.0
36		-	74.7	100.0	100.0
39		-	68.9	94.3	100.0
42		-	64.0	87.6	100.0
45		-	59.7	81.7	100.0
48		-	56.0	76.6	97.4
51		-	52.7	72.1	91.6
54		-	49.8	68.1	86.6
57		-	47.1	64.5	82.0
60	-	44.8	61.3	77.9	

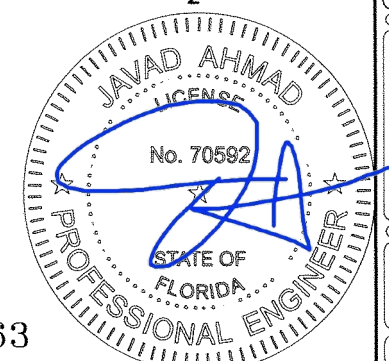
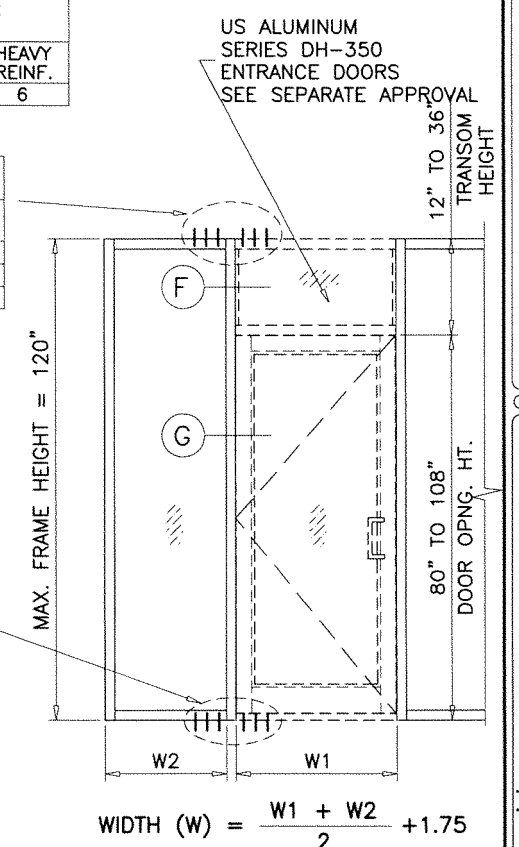


WITHOUT REINF.		LIGHT REINF.		MEDIUM REINF.		HEAVY REINF.	
Ix IN ⁴	Sx IN ³	Ix IN ⁴	Sx IN ³	Ix IN ⁴	Sx IN ³	Ix IN ⁴	Sx IN ³
4.9848	1.9567	4.9848	1.9567	4.9848	1.9567	4.9848	1.9567
ALUMINUM		STEEL		ALUMINUM		STEEL	
TOTAL Ix ALUM + Ix STL X 2.9		TOTAL Ix ALUM + Ix STL X 2.9		TOTAL Ix ALUM + Ix STL X 2.9		TOTAL Ix ALUM + Ix STL X 2.9	
10.4296		14.2709		18.1375		18.1375	



TOTAL NO. OF ANCHORS AT DOOR MULLION HEAD				
SUBSTRATE	WITHOUT REINF.	LIGHT REINF.	MEDIUM REINF.	HEAVY REINF.
WOOD	5	7	8	9
CONCRETE	4	5	5	6
METAL	4	5	5	6

TOTAL NO. OF ANCHORS AT DOOR MULLION SILL				
SUBSTRATE	WITHOUT REINF.	LIGHT REINF.	MEDIUM REINF.	HEAVY REINF.
WOOD	5	7	8	9
CONCRETE	4	5	5	6
METAL	4	5	5	6



FL #18363

af c
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 W15-53DD

Series 'DHS-500' Window/Storefront Sys. (S.M.I.)
US Aluminum
 Division Of C.R. Laurence Co., Inc.
 7500 N.W. 69TH AVE.
 MIAMI, FL 33166
 TEL. (305) 888-0077 FAX. (305) 884-3111

revisions:
 no. date by description

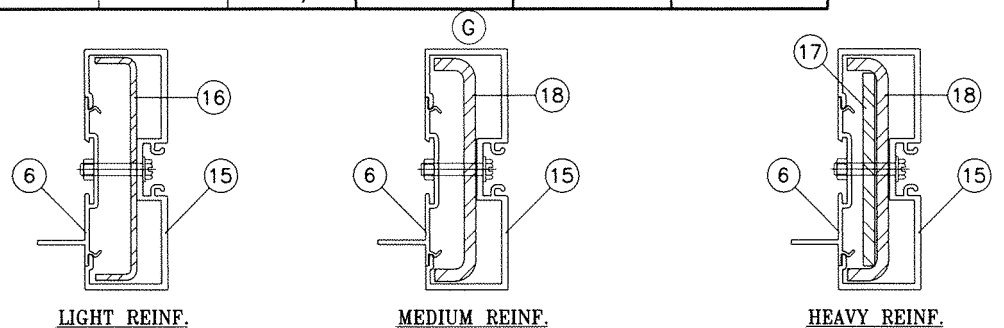
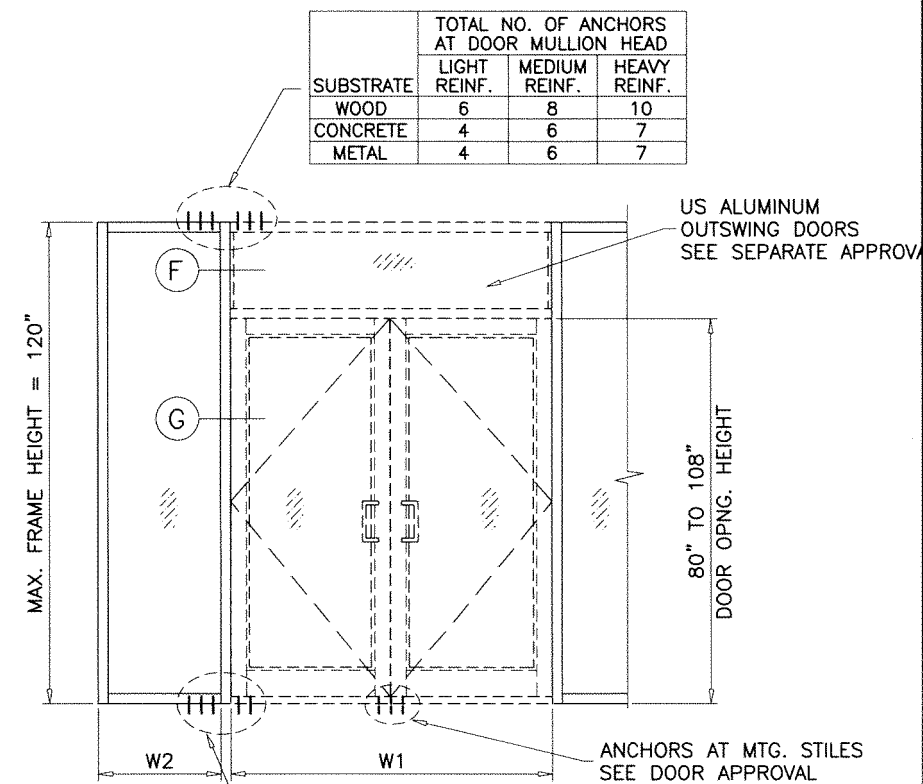
date: 08-18-15
 scale: 1/2" = 1"
 dr. by: TARIO
 chk. by:

drawing no.
W15-53

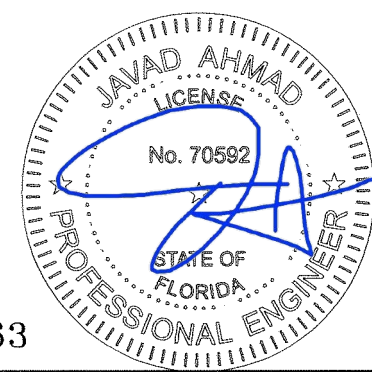
sheet 5 of 11

DOOR MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.			LIGHT REINF.	MEDIUM REINF.	HEAVY REINF.
FRAME HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
90	60	46-1/4	89.9	100.0	100.0
		52-1/4	85.1	100.0	100.0
		58-1/4	80.8	100.0	100.0
		64-1/4	76.9	100.0	100.0
	64	46-1/4	86.7	100.0	100.0
		52-1/4	82.2	100.0	100.0
		58-1/4	78.2	100.0	100.0
		64-1/4	74.5	100.0	100.0
	72	46-1/4	80.8	100.0	100.0
		52-1/4	76.9	100.0	100.0
		58-1/4	73.4	100.0	100.0
		64-1/4	70.1	96.0	100.0
84	46-1/4	73.4	100.0	100.0	
	52-1/4	70.1	96.0	100.0	
	58-1/4	67.2	91.9	100.0	
	64-1/4	64.5	88.2	100.0	
96	60	46-1/4	79.0	100.0	100.0
		52-1/4	74.8	100.0	100.0
		58-1/4	71.0	97.2	100.0
		64-1/4	67.6	92.5	100.0
	64	46-1/4	76.2	100.0	100.0
		52-1/4	72.2	98.8	100.0
		58-1/4	68.7	94.0	100.0
		64-1/4	65.5	89.6	100.0
	72	46-1/4	71.0	97.2	100.0
		52-1/4	67.6	92.5	100.0
		58-1/4	64.5	88.2	100.0
		64-1/4	61.6	84.3	100.0
84	46-1/4	64.5	88.2	100.0	
	52-1/4	61.6	84.3	100.0	
	58-1/4	59.0	80.8	100.0	
	64-1/4	56.6	77.5	98.5	
102	60	46-1/4	70.0	95.8	100.0
		52-1/4	66.3	90.7	100.0
		58-1/4	62.9	86.1	100.0
		64-1/4	59.9	81.9	100.0
	64	46-1/4	67.5	92.3	100.0
		52-1/4	64.0	87.6	100.0
		58-1/4	60.9	83.3	100.0
		64-1/4	58.0	79.4	100.0
	72	46-1/4	62.9	86.1	100.0
		52-1/4	59.9	81.9	100.0
		58-1/4	57.1	78.2	99.3
		64-1/4	54.6	74.7	95.0
84	46-1/4	57.1	78.2	99.3	
	52-1/4	54.6	74.7	95.0	
	58-1/4	52.3	71.6	91.0	
	64-1/4	50.2	68.7	87.3	

DOOR MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.			LIGHT REINF.	MEDIUM REINF.	HEAVY REINF.
FRAME HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
108	60	46-1/4	62.5	85.5	100.0
		52-1/4	59.1	80.9	100.0
		58-1/4	56.1	76.8	97.6
		64-1/4	53.4	73.1	92.9
	64	46-1/4	60.2	82.4	100.0
		52-1/4	57.1	78.1	99.3
		58-1/4	54.3	74.3	94.4
		64-1/4	51.7	70.8	90.0
	72	46-1/4	56.1	76.8	97.6
		52-1/4	53.4	73.1	92.9
		58-1/4	50.9	69.7	88.6
		64-1/4	48.7	66.6	84.7
84	46-1/4	50.9	69.7	88.6	
	52-1/4	48.7	66.6	84.7	
	58-1/4	46.6	63.8	81.1	
	64-1/4	44.5	61.0	77.6	
114	60	46-1/4	56.1	76.7	97.5
		52-1/4	53.1	72.6	92.3
		58-1/4	50.4	68.9	87.6
		64-1/4	47.9	65.6	83.4
	64	46-1/4	54.0	73.9	93.9
		52-1/4	51.2	70.1	89.1
		58-1/4	48.7	66.7	84.7
		64-1/4	46.4	63.5	80.8
	72	46-1/4	50.4	68.9	87.6
		52-1/4	47.9	65.6	83.4
		58-1/4	45.7	62.6	79.5
		64-1/4	43.7	59.8	76.0
84	46-1/4	45.7	62.6	79.5	
	52-1/4	43.7	59.8	76.0	
	58-1/4	41.6	56.7	72.6	
	64-1/4	39.6	53.7	69.2	
120	60	46-1/4	50.6	69.2	88.0
		52-1/4	47.9	65.5	83.3
		58-1/4	45.5	62.2	79.0
		64-1/4	43.3	59.2	75.2
	64	46-1/4	48.8	66.7	84.8
		52-1/4	46.2	63.3	80.4
		58-1/4	44.0	60.2	76.5
		64-1/4	41.9	57.3	72.9
	72	46-1/4	45.5	62.2	79.0
		52-1/4	43.3	59.2	75.2
		58-1/4	41.3	56.5	71.8
		64-1/4	39.3	53.8	68.4
84	46-1/4	41.3	56.5	71.8	
	52-1/4	39.3	53.8	68.4	
	58-1/4	37.3	51.1	65.0	
	64-1/4	35.3	48.4	61.6	



	Ix IN ⁴	Sx IN ³		Ix IN ⁴	Sx IN ³		Ix IN ⁴	Sx IN ³
ALUMINUM	4.9848	1.9567	ALUMINUM	4.9848	1.9567	ALUMINUM	4.9848	1.9567
STEEL	1.8775	.8119	STEEL	3.2021	1.3847	STEEL	4.5354	1.9614
TOTAL Ix ALUM + Ix STL X 2.9	10.4296		TOTAL Ix ALUM + Ix STL X 2.9	14.2709		TOTAL Ix ALUM + Ix STL X 2.9	18.1375	

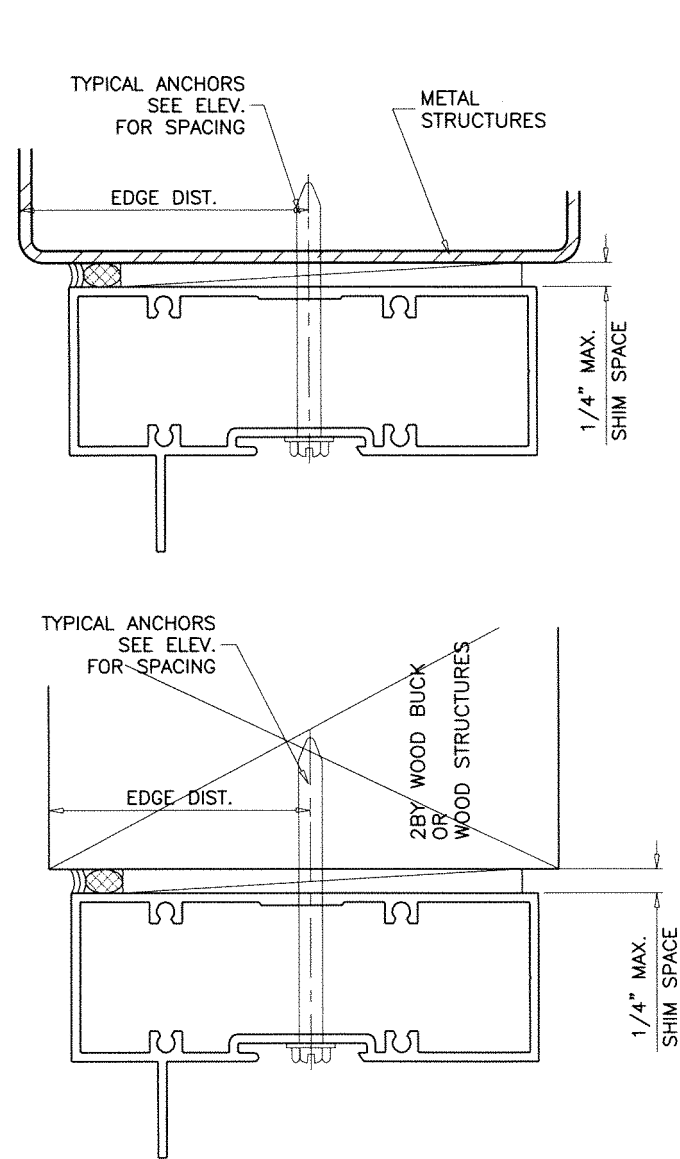
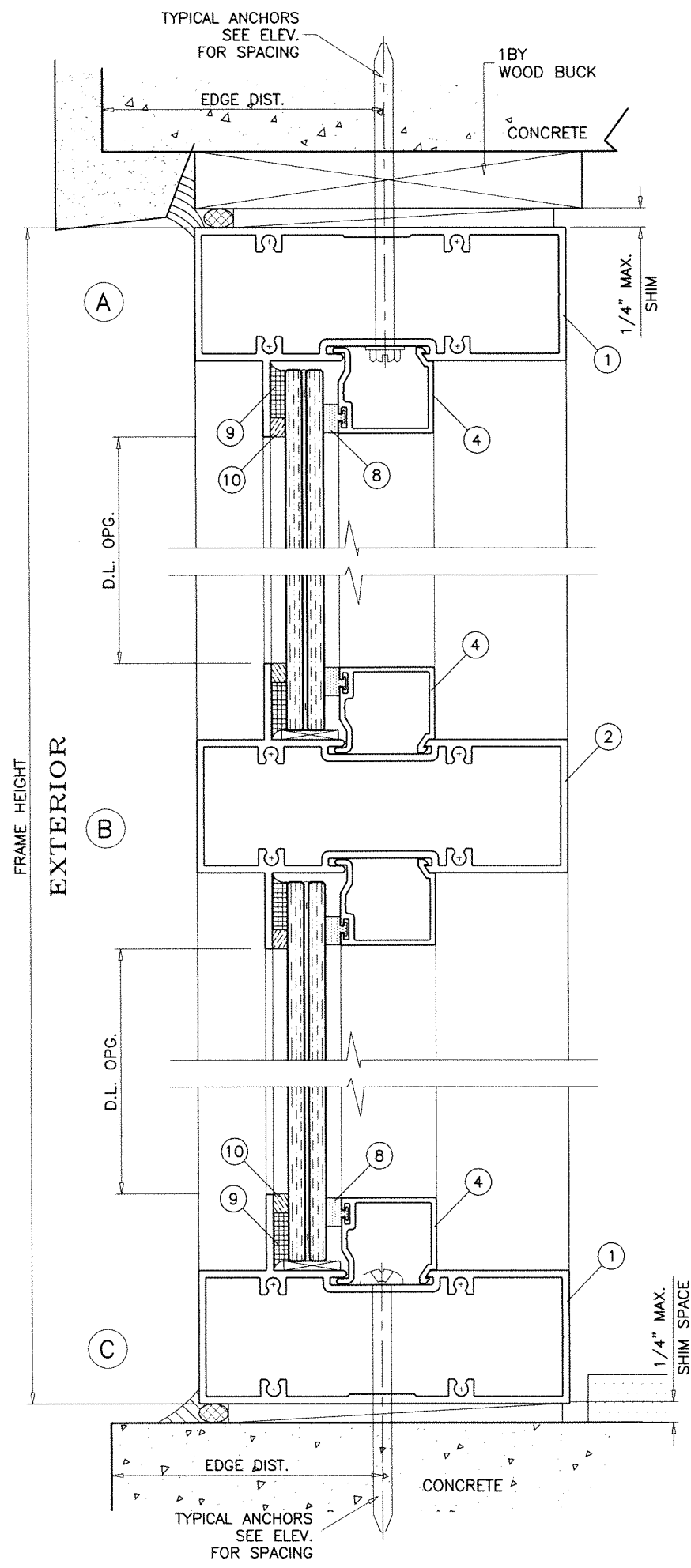


FL #18363

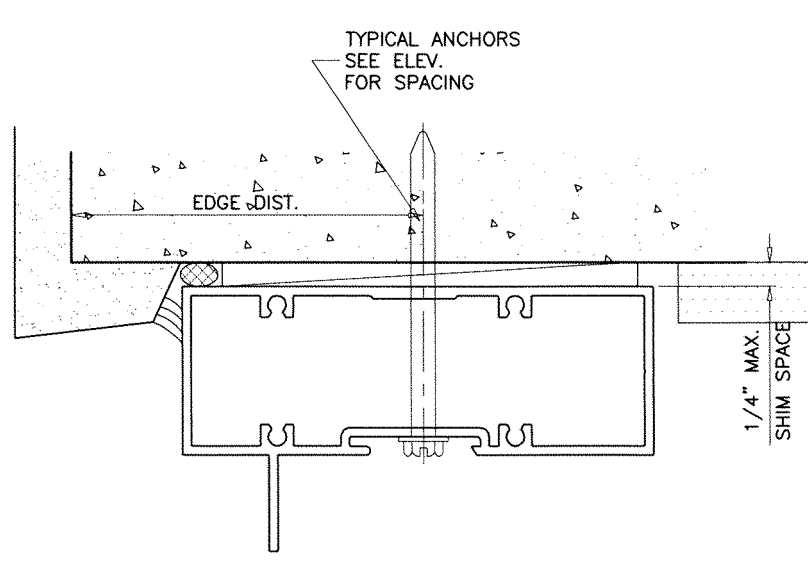
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 (C.A.N. 3538)

Series 'DHS-500' Window/Storefront Sys. (S.M.I.)
US Aluminum
 Division Of C.R. Laurence Co., Inc.
 7500 N.W. 69TH AVE.
 MIAMI, FL 33166
 TEL. (305) 888-0077 FAX. (305) 884-3111

revisions:	no	date	description
date:	08-18-15	scale:	1/2" = 1"
dr. by:	TARIO	chk. by:	
drawing no.	W15-53		
sheet	6 of 11		



ALTERNATE FRAME INSTALLATIONS
SEE TYPICAL ANCHOR NOTES.



WOOD BUCKS AND METAL STRUCTURES NOT BY US ALUMINUM
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

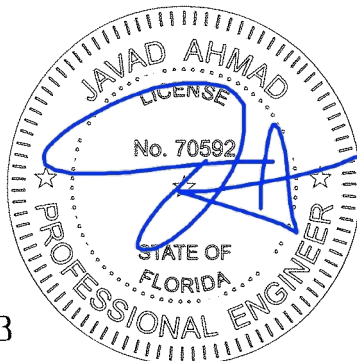
TYPICAL ANCHORS: SEE ELEV. FOR SPACING
TYPE 'A'- 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

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

TYPE 'C'- #14 SMS OR SELF-DRILLING SCREWS (GRADE 2 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)

CRITICAL 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 GROUT-FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

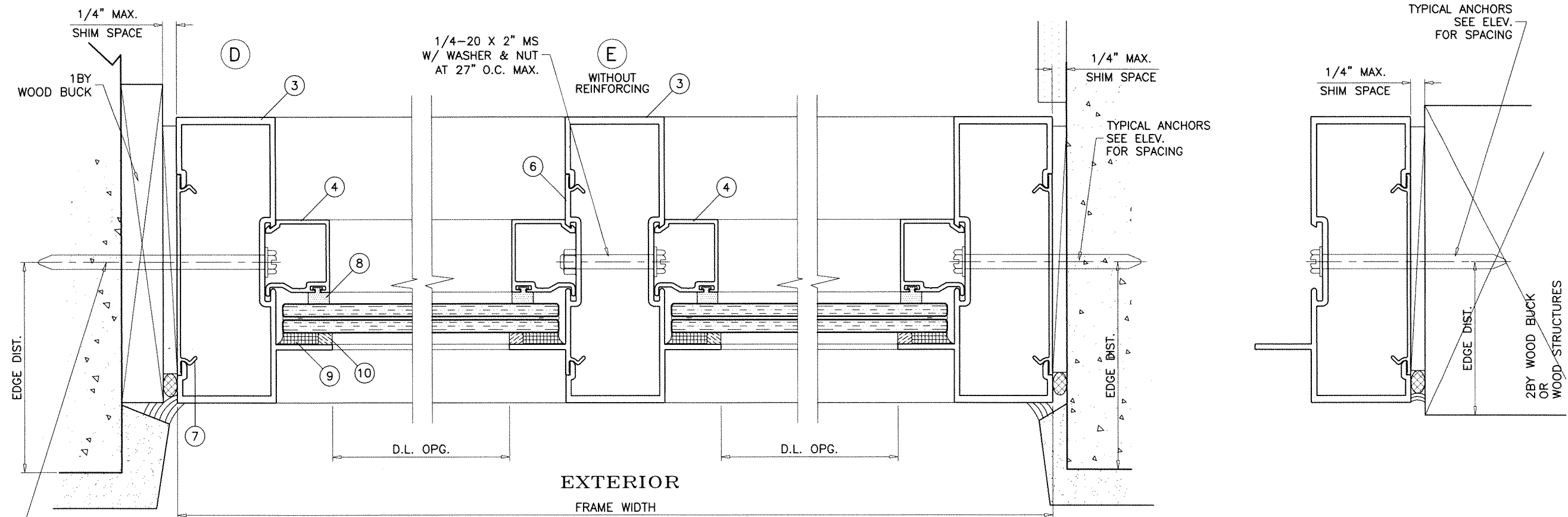


FL #18363

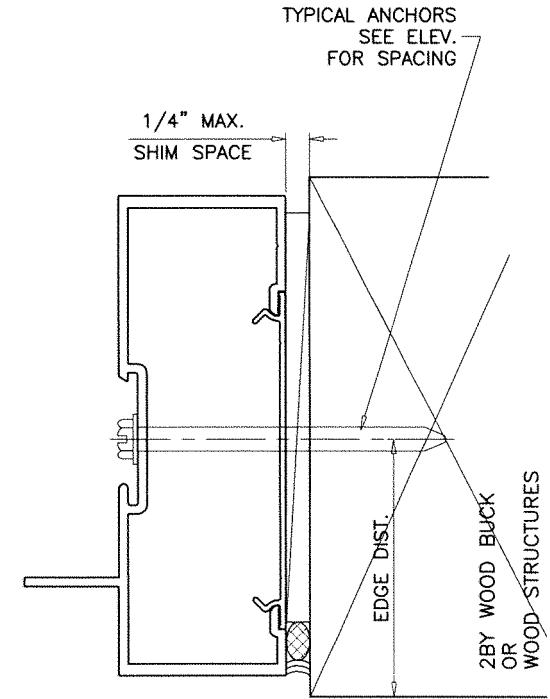
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE\W15-53DD

Series 'DHS-500' Window/Storefront Sys. (S.M.I.)
US Aluminum
 Division Of C.R. Laurence Co., Inc.
 7500 N.W. 69TH AVE.
 MIAMI, FL 33166
 TEL. (305) 888-0077 FAX. (305) 884-3111

revisions:	no	date	by	description
date:	08-18-15			
scale:	1/2" = 1"			
dr. by:	TARIQ			
chk. by:				
drawing no.	W15-53			
sheet	7 of 11			



EXTERIOR
FRAME WIDTH

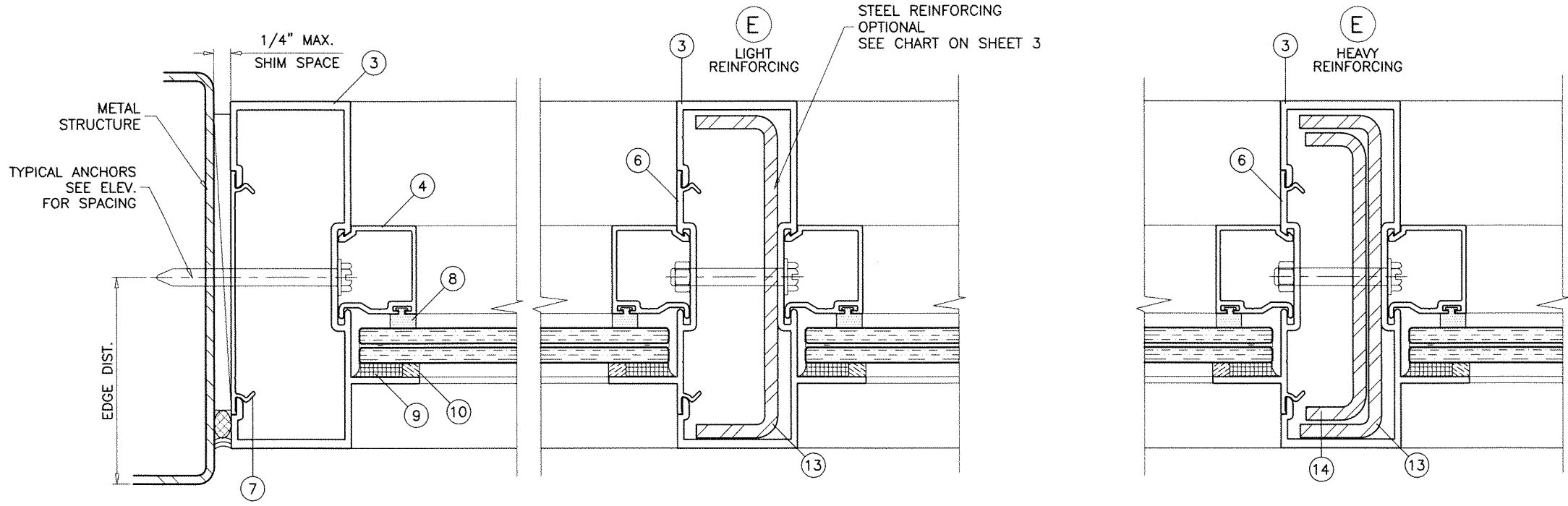


TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

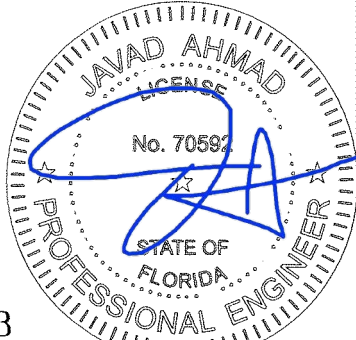
TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

2BY WOOD BUCK
OR
WOOD-STRUCTURES



STEEL REINFORCING
OPTIONAL
SEE CHART ON SHEET 3

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING



FL #18363

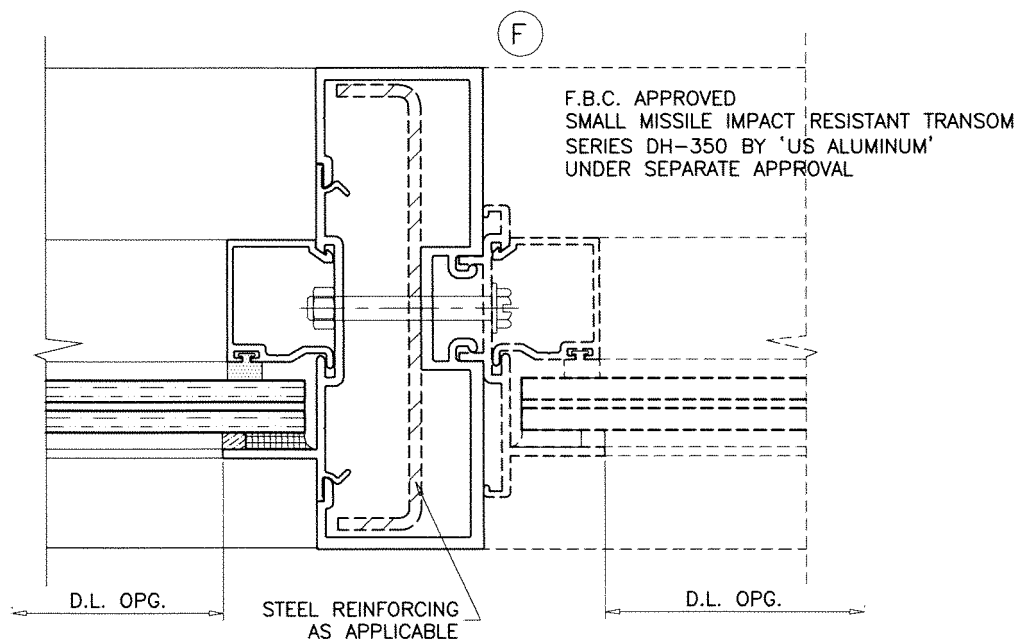
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE W15-53DD

Series 'DHS-500' Window/Storefront Sys. (S.M.I.)
US Aluminum
 Division Of C.R. Laurence Co., Inc.
 7500 N.W. 69TH AVE.
 MIAMI, FL 33166
 TEL. (305) 888-0077 FAX. (305) 884-3111

revisions:	no	date	by	description

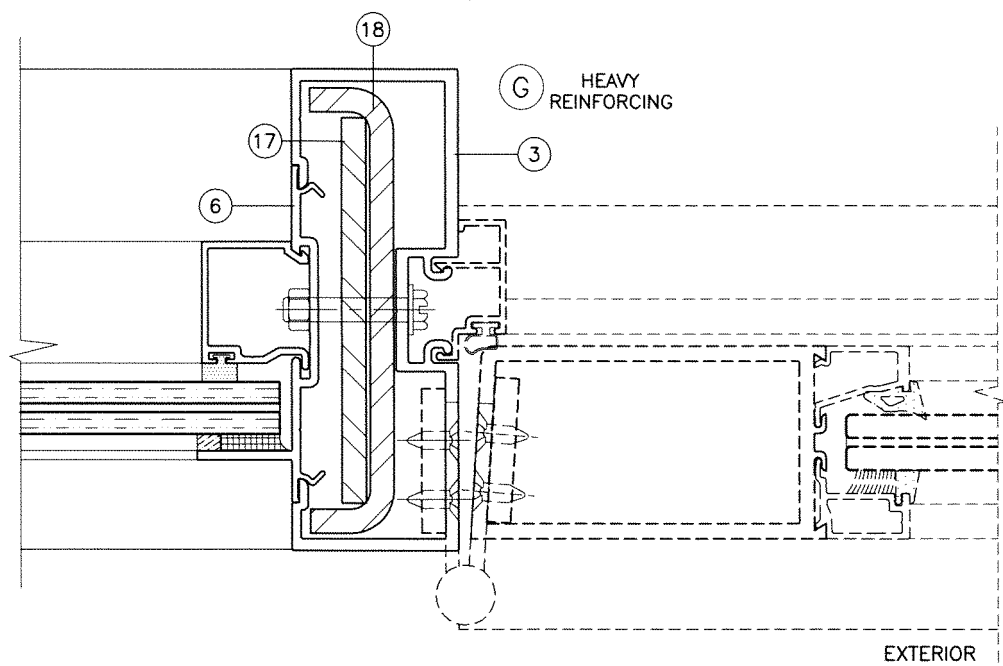
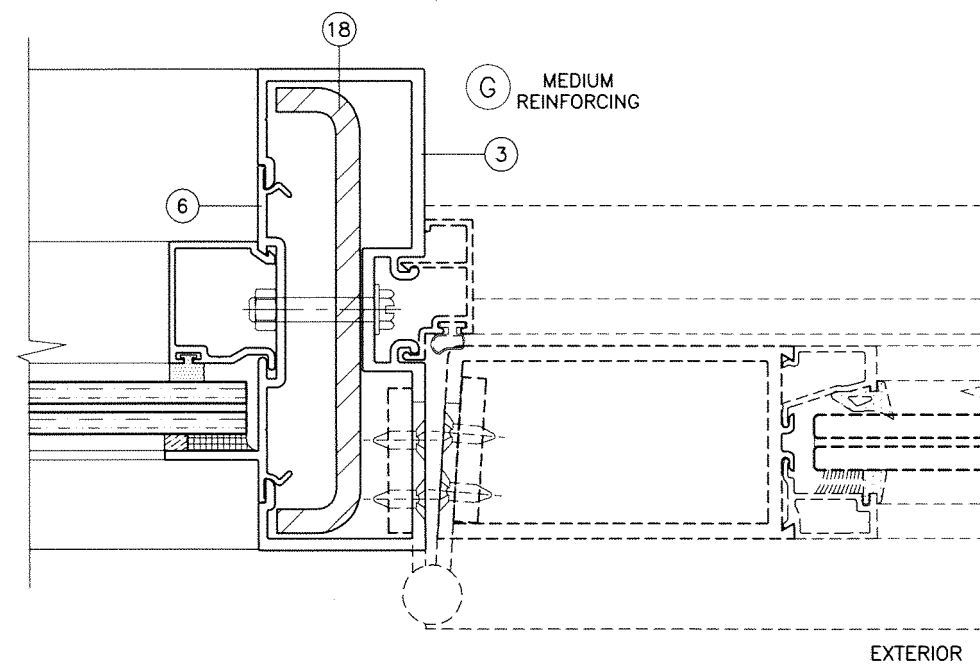
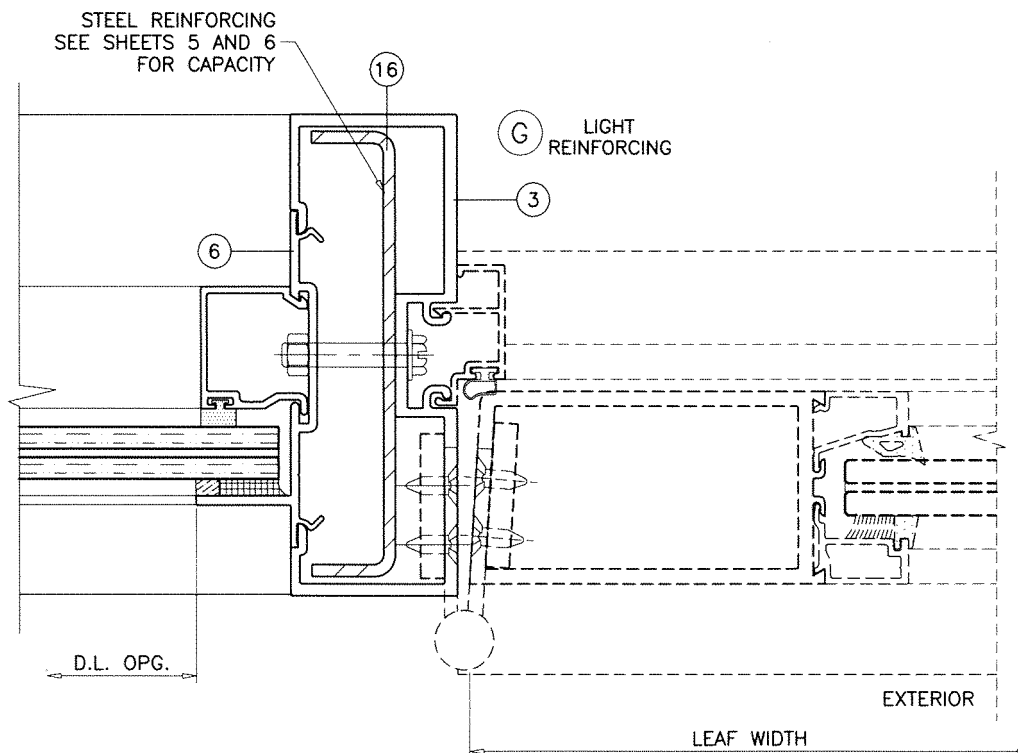
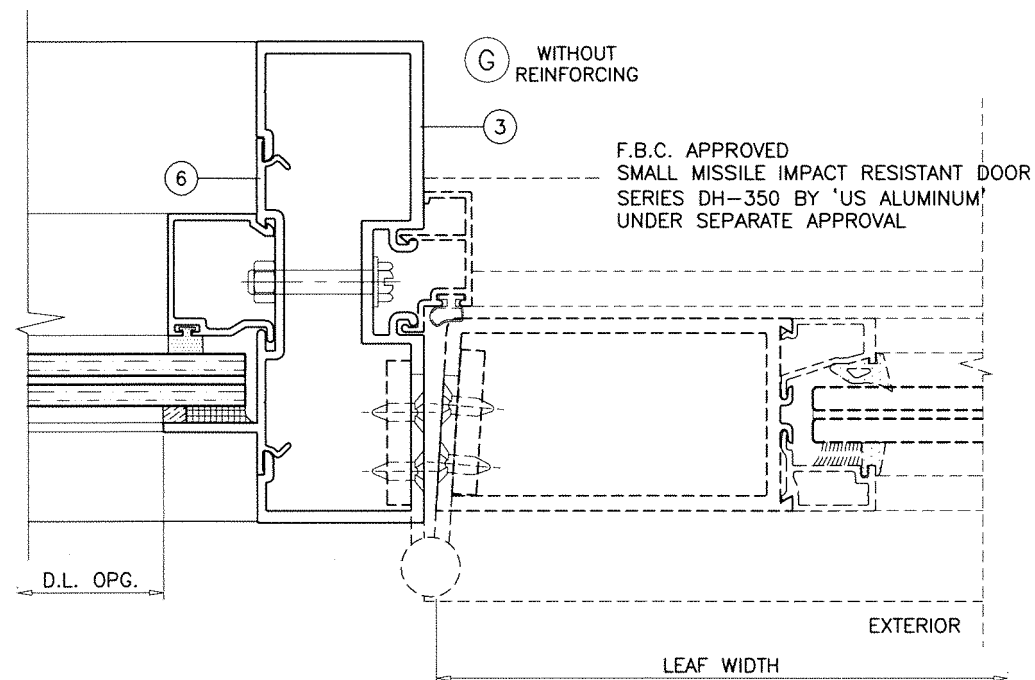
date: 08-18-15
 scale: 1/2" = 1"
 dr. by: TARIO
 chk. by:

drawing no.
W15-53
 sheet 8 of 11

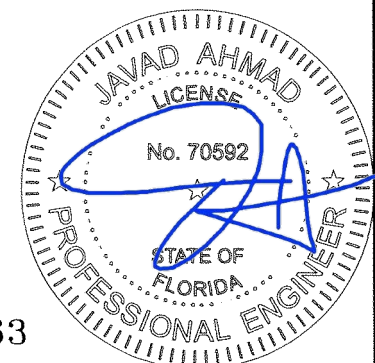


SEE SEPARATE U.S. ALUMINUM LMI/SMI DH-350 APPROVAL FOR DESIGN LOAD CAPACITY OF DOORS.

LOWER VALUES FROM DOORS APPROVAL OR STOREFRONT SYSTEM CAPACITY CHARTS WILL APPLY TO ENTIRE SYSTEM.



FL #18363



af c
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 W15-53DD

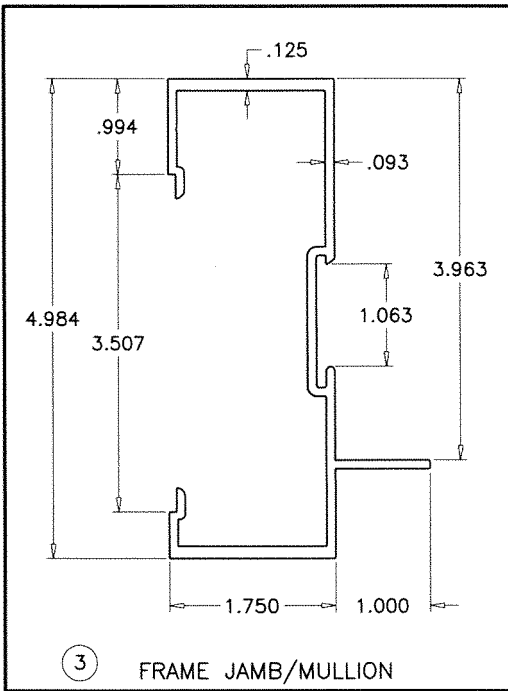
Series 'DHS-500' Window/Storefront Sys. (S.M.I.)
US Aluminum
 Division Of C.R. Laurence Co., Inc.
 7500 N.W. 69TH AVE.
 MIAMI, FL 33166
 TEL. (305) 888-0077 FAX. (305) 884-3111

revisions:	no	date	description

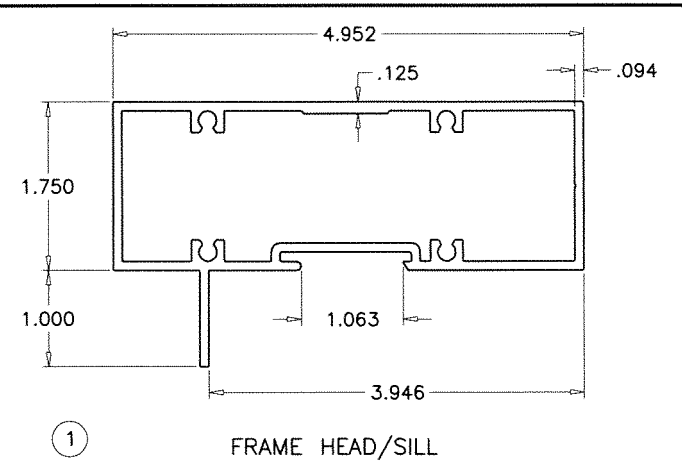
date: 08-18-15
 scale: 1/2" = 1"
 dr. by: TARIO
 chk. by:

drawing no.
W15-53

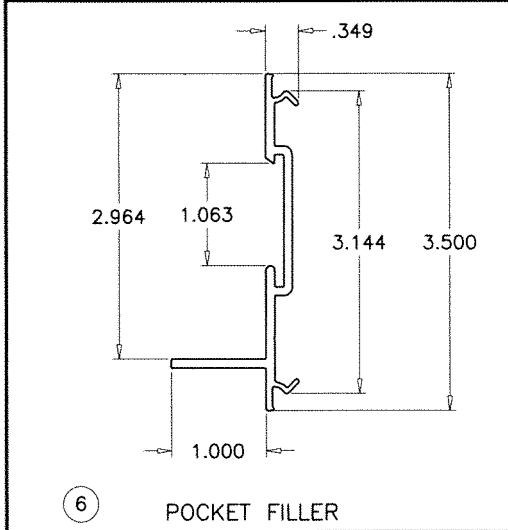
sheet 9 of 11



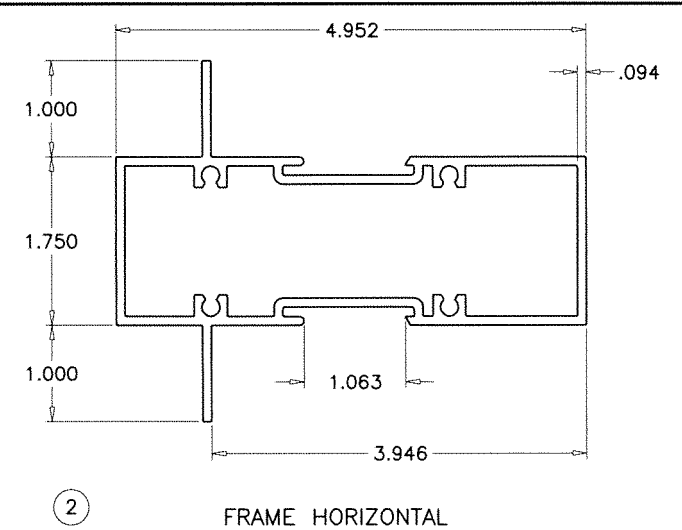
③ FRAME JAMB/MULLION



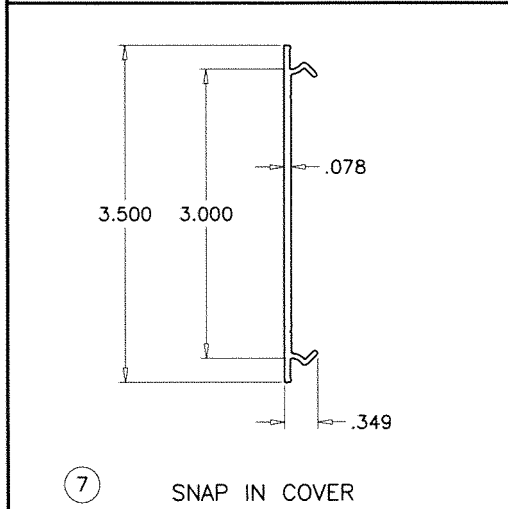
① FRAME HEAD/SILL



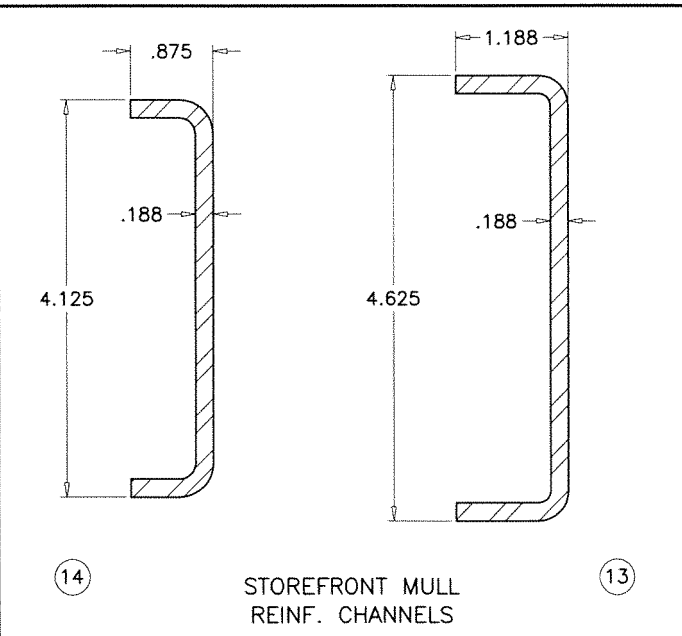
⑥ POCKET FILLER



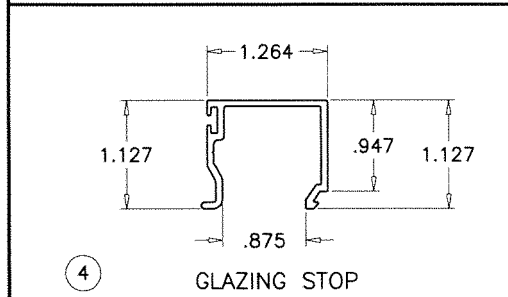
② FRAME HORIZONTAL



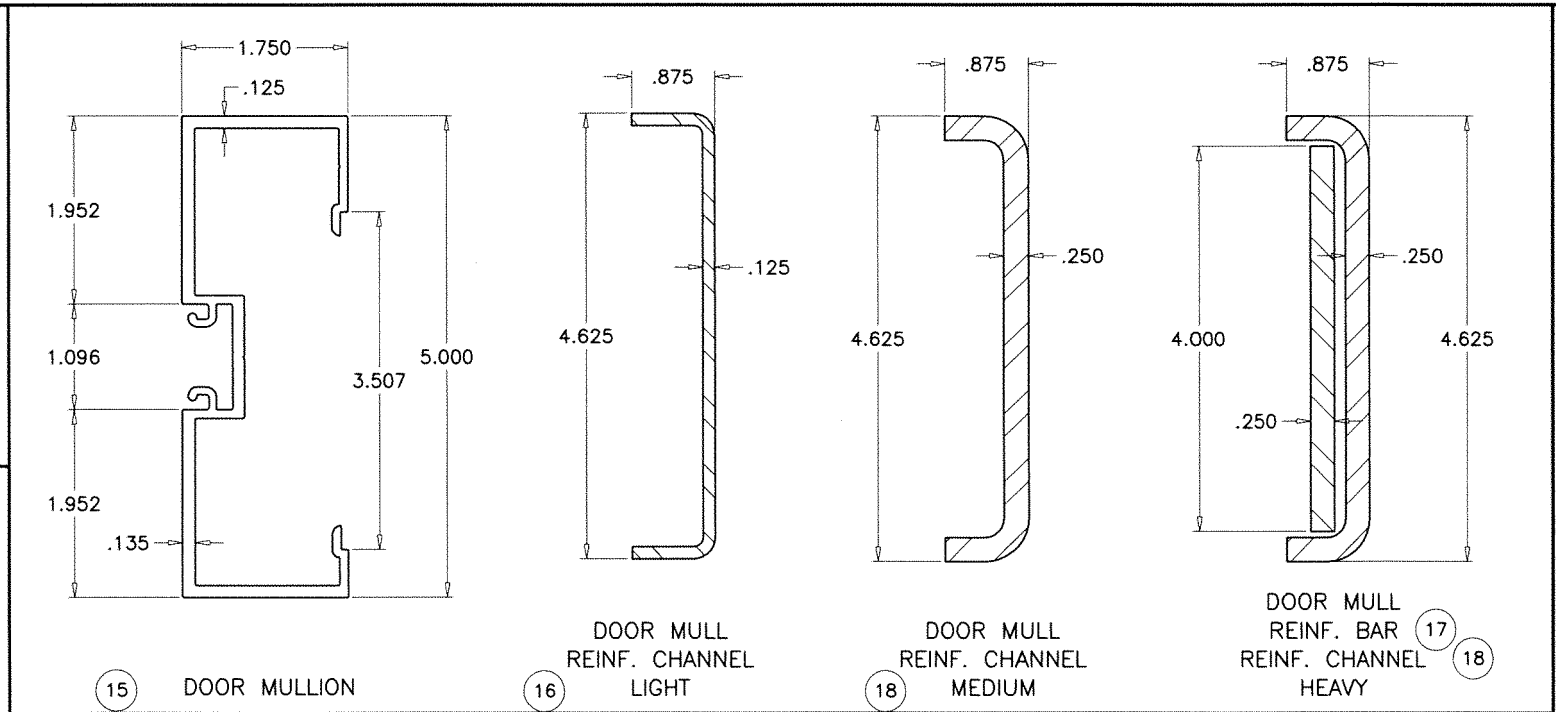
⑦ SNAP IN COVER



⑬ STOREFRONT MULL REINF. CHANNELS



④ GLAZING STOP



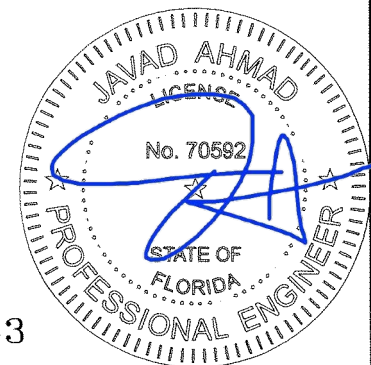
⑮ DOOR MULLION

⑯ DOOR MULL REINF. CHANNEL LIGHT

⑰ DOOR MULL REINF. CHANNEL MEDIUM

⑱ DOOR MULL REINF. CHANNEL HEAVY

FL #18363

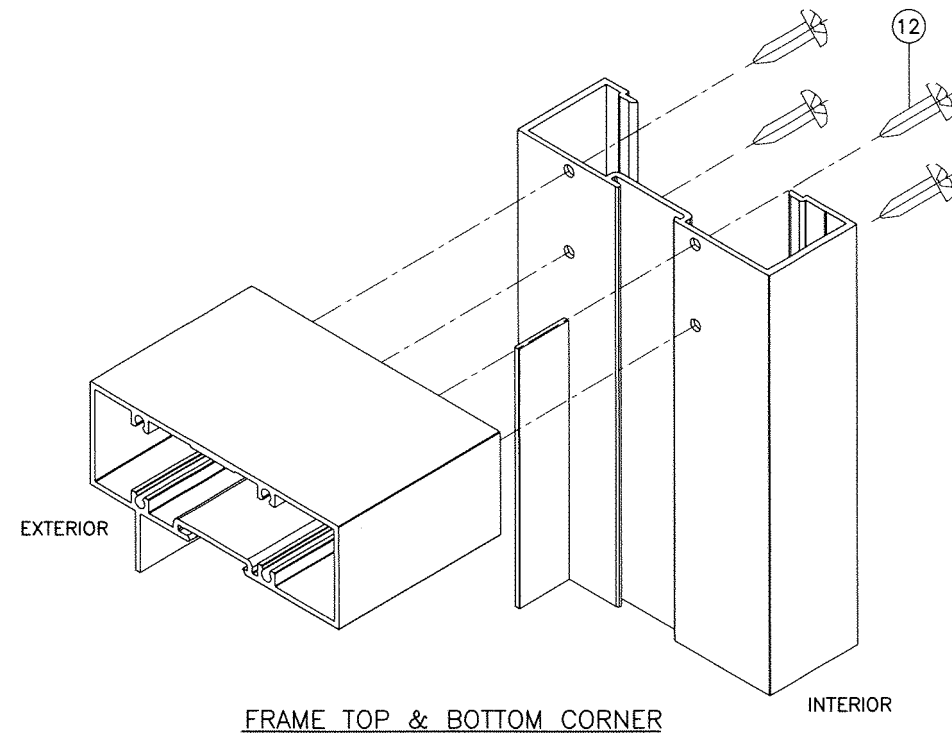


af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE/W15-53DD

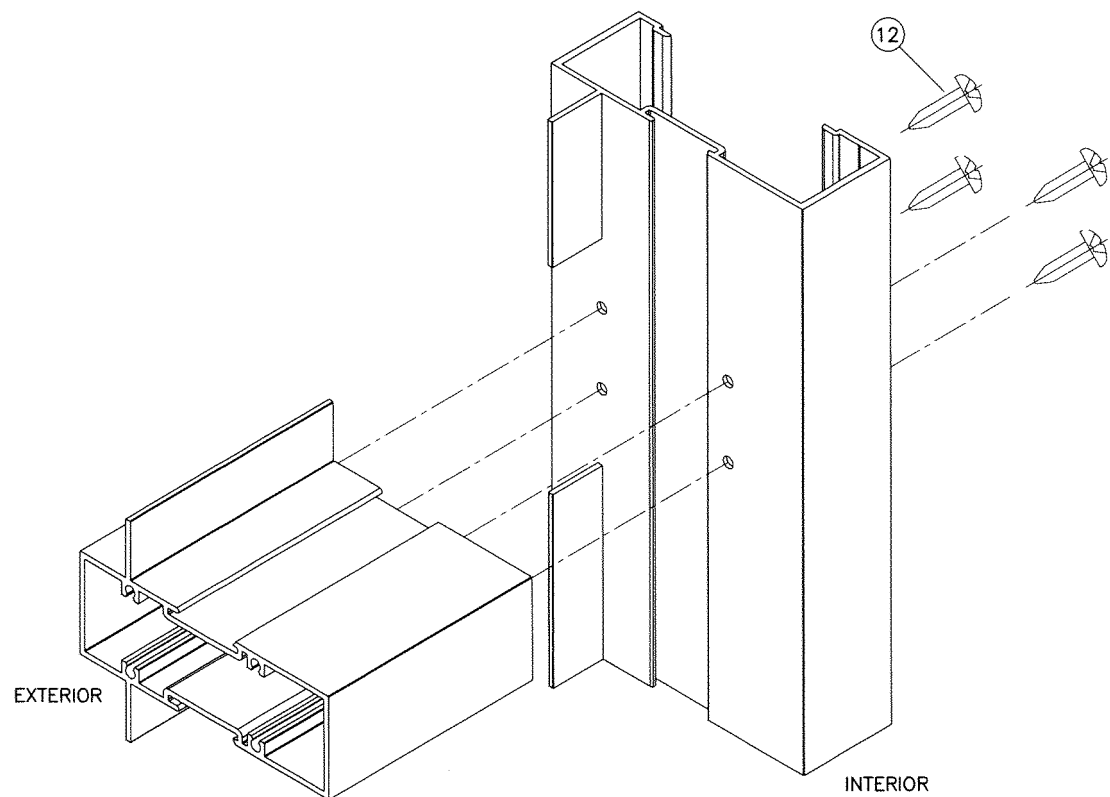
Series 'DHS-500' Window/Storefront Sys. (S.M.I.)
US Aluminum
 Division Of C.R. Laurence Co., Inc.
 7500 N.W. 69TH AVE.
 MIAMI, FL 33166
 TEL. (305) 888-0077 FAX. (305) 884-3111

no	date	by	description

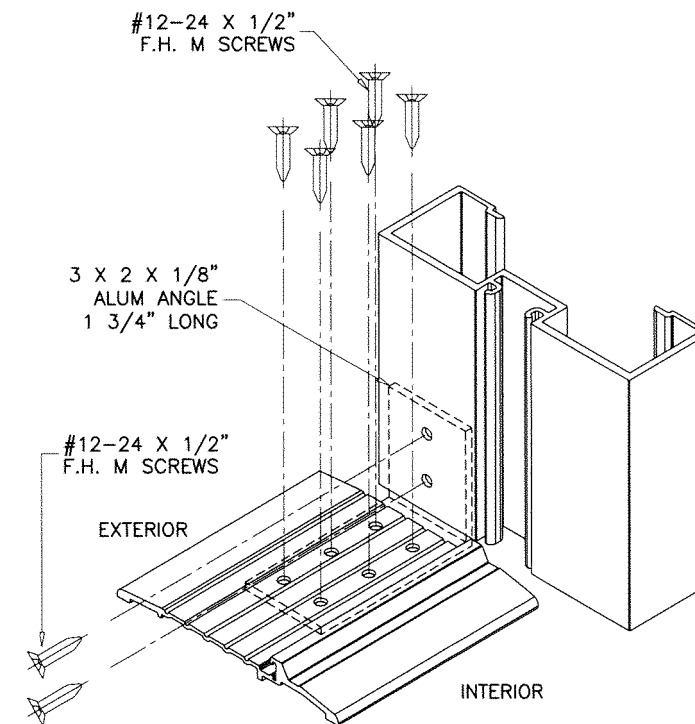
date: 08-18-15
 scale: 1/2" = 1"
 dr. by: TARIO
 chk. by:
 drawing no.
W15-53
 sheet 10 of 11



FRAME TOP & BOTTOM CORNER



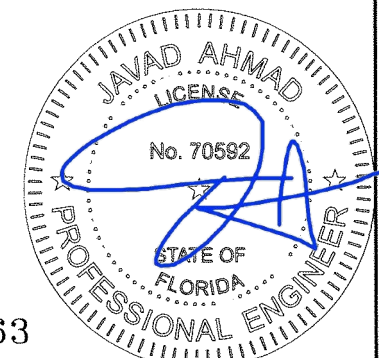
FRAME HORIZONTAL CORNER



DOOR MULLION BOTTOM CORNER

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	DLD-103	AS REQD.	FRAME HEAD/SILL	6063-T6	-
2	DLD-104	AS REQD.	FRAME HORIZONTAL	6063-T6	-
3	DLD-100	AS REQD.	FRAME JAMB/MULLION	6063-T6	-
4	DLD-102	AS REQD.	GLAZING STOP	6063-T5	-
6	DLD-101	AS REQD.	POCKET FILLER	6063-T6	-
7	BCE-475	AS REQD.	SNAP IN COVER, 2-1/2" LONG	6063-T6	-
8	-	AS REQD.	GLAZING GASKET	NEOPRENE	-
9	-	AS REQD.	GLAZING COMPOUND	SILICONE	DOW 995
10	-	AS REQD.	GLAZING TAPE	-	NORTON
11	-	AS REQD.	SETTING BLOCK AT 1/4" POINTS (1/8" X 3/4" X 2" LONG)	EPDM	DUROMETER 80±5 SHORE A
12	#12 X 1-1/2"	4/ CORNER	ASSEMBLY SCREWS PHSMS	STEEL	-
13	-	AS REQD.	MULLION REINFORCING CHANNEL	STEEL	36 KSI MIN.
14	-	AS REQD.	MULLION REINFORCING CHANNEL	STEEL	36 KSI MIN.
15	DLD-124	2/DOOR	DOOR MULLION	6063-T6	-
16	-	AS REQD.	REINFORCING CHANNEL (LIGHT)	STEEL	36 KSI MIN.
17	-	AS REQD.	REINFORCING CHANNEL (MEDIUM/HEAVY)	STEEL	36 KSI MIN.
18	-	AS REQD.	REINFORCING BAR (HEAVY)	STEEL	36 KSI MIN.

FL #18363



af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173 TEL. (305) 262-6978
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE/W15-53DD

Series 'DHS-500' Window/Storefront Sys. (S.M.I.)
US Aluminum
 Division Of C.R. Laurence Co., Inc.
 7500 N.W. 69TH AVE.
 MIAMI, FL 33166
 TEL. (305) 888-0077 FAX. (305) 884-3111

revisions:	no	date	description

date: 08-18-15
 scale: 1/2" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
W15-53
 sheet 11 of 11