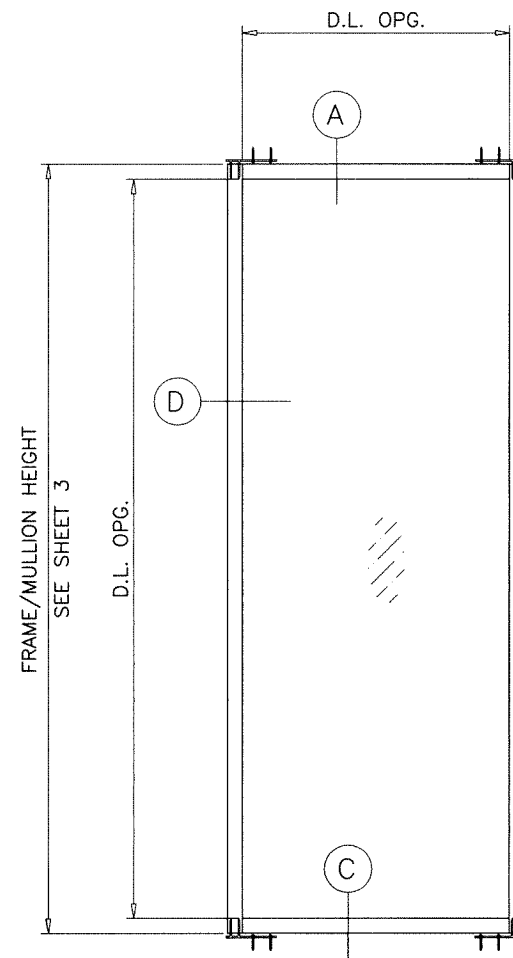
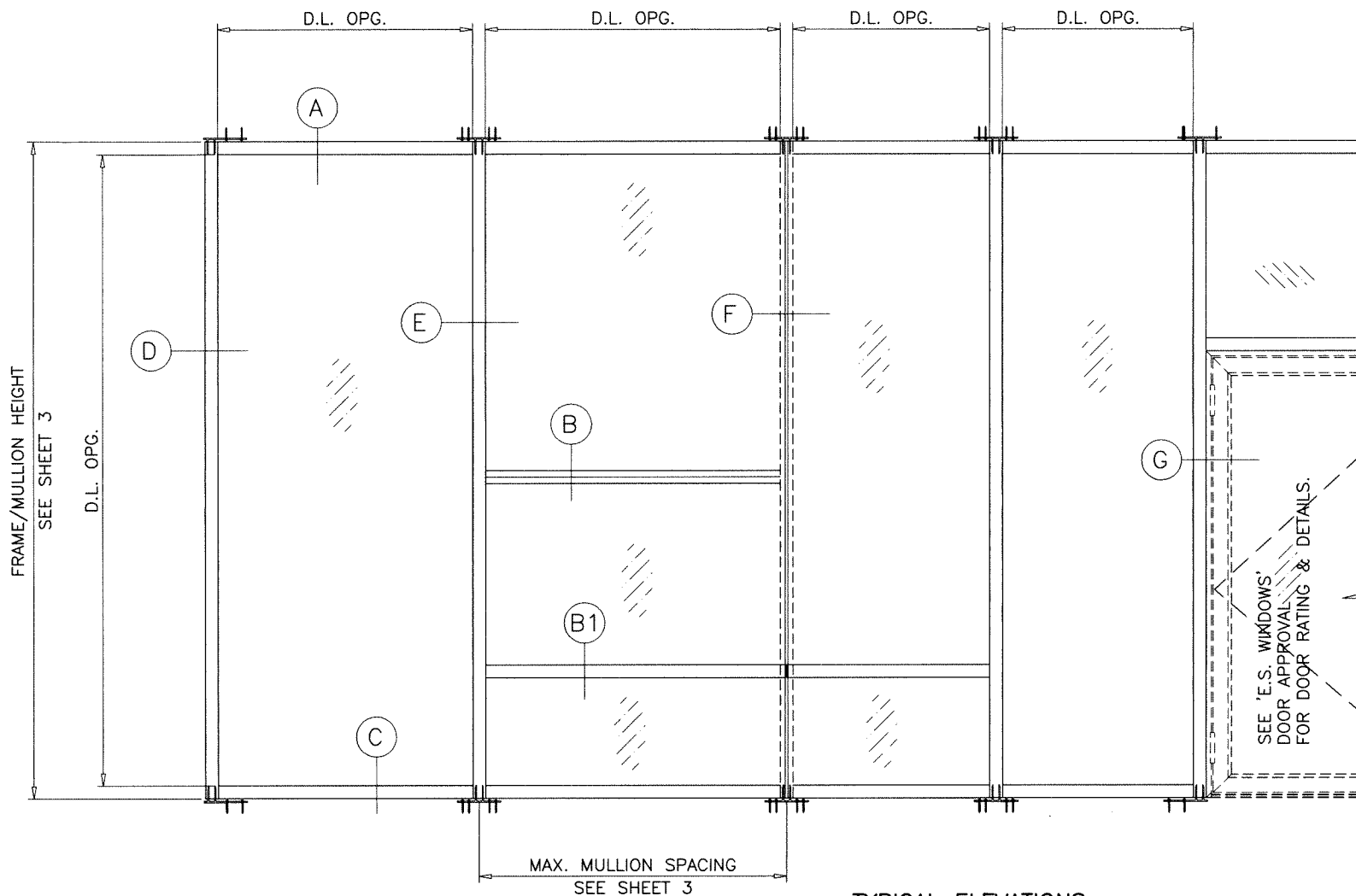




TYPICAL ELEVATIONS
SINGLE SPAN

SERIES NS 25-8 CURTAIN WALL STICK SYSTEM

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH F.B.C. APPROVED NON IMPACT DOORS.
LOWER DESIGN PRESSURE FROM WINDOW WALL 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 2023 (8TH EDITION)/2026 (9TH EDITION) FLORIDA BUILDING CODE FOR NON HIGH VELOCITY HURRICANE ZONE.

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 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.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND PRESSURE REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 3 FOR GLASS DESIGN LOAD CAPACITY.
- STEP 3** CHECK MULLION DESIGN LOAD CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3 FOR SINGLE SPANS AND SHEET 4 FOR MULTIPLE SPANS THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** FOR INTERMEDIATE ANCHORS AT MULTIPLE SPANS SEE SHEETS 7 THRU 10 FOR CAPACITY AND DETAIL.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.
- STEP 6** FOR SYSTEMS WITH UNANCHORED JAMBS, USING SHEET 7, DETERMINE THE MIN. & MAX. GAP DIMENSIONS.
- STEP 7** WHEN USING THIS SYSTEM WITH DOORS, THE LOWER VALUE OF THE DESIGN PRESSURE RATING FOR THE SYSTEM AND THE DOOR SHALL APPLY.

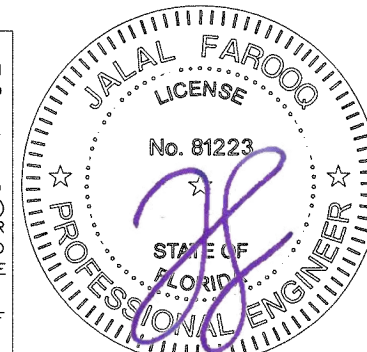
FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

THIS SYSTEM IS NOT RATED FOR IMPACT.
INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

Sealed: 9/3/2026

FL #21890

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
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W15-106ESW

SERIES NS 25-8 CURTAIN WALL STICK SYS. (N.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	by	description
A	01.29.18		UPDATED TO 2017 FBC
B	12.04.20		UPDATED TO 2020 FBC
C	09.19.23		UPDATED TO 2023 FBC
D	09.01.26		UPDATED TO 2026 FBC

date: 12-01-15

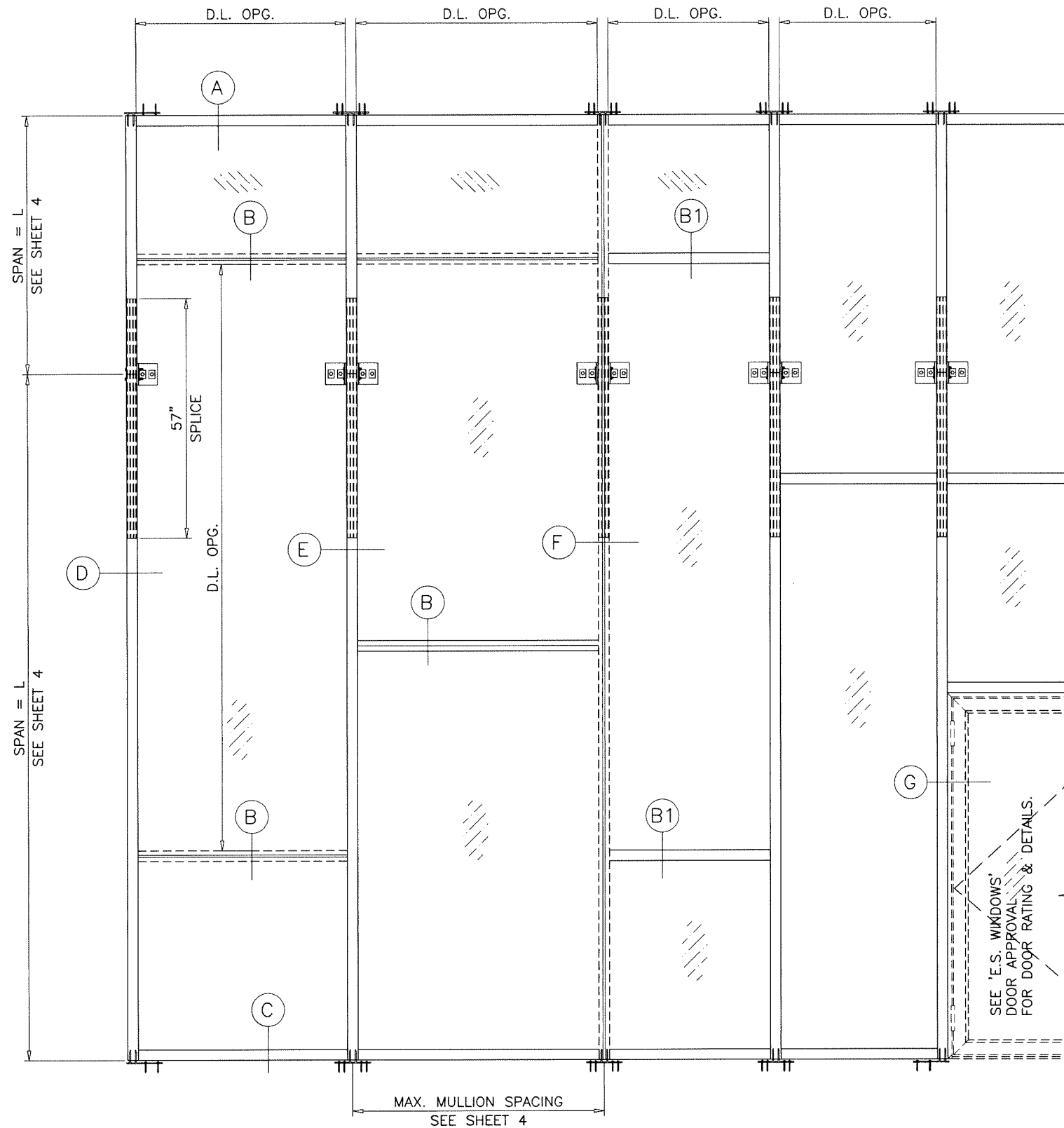
scale: 3/8"=1'-0"

dr. by: TARIQ

chk. by:

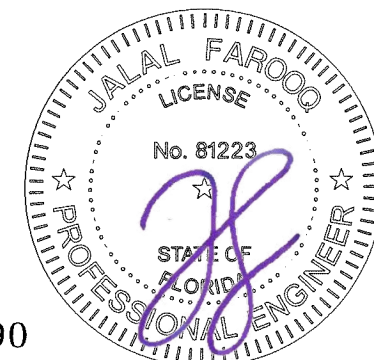
drawing no.
W15-106

sheet 1 of 12



TYPICAL ELEVATION
TWIN SPANS

Sealed: 9/3/2026



FL #21890

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

afc
COMP-ANL\W15-106ESW

SERIES NS 25-8 CURTAIN WALL STICK SYS. (N.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by	description

date: 12-01-15
scale: 3/8"=1'-0"
dr. by: TARIQ
chk. by:

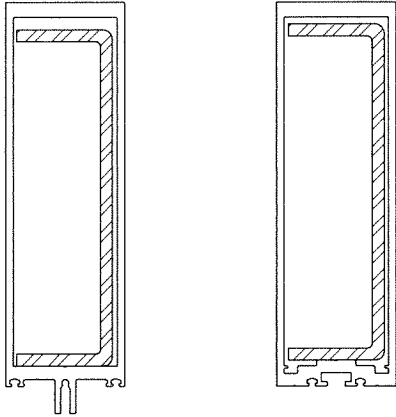
drawing no.
W15-106
sheet 2 of 12

DESIGN LOAD CAPACITY - PSF SINGLE SPANS			
NOMINAL DIMS.		JAMB 'J' MULL 'M1', 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT. (+)	INT. (-)
30"	120"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	138"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	144"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	168"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	192"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	216"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	240"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	269-1/4"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.4	52.4
54"		46.6	46.6
60"		41.9	41.9

INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ALLOWED.

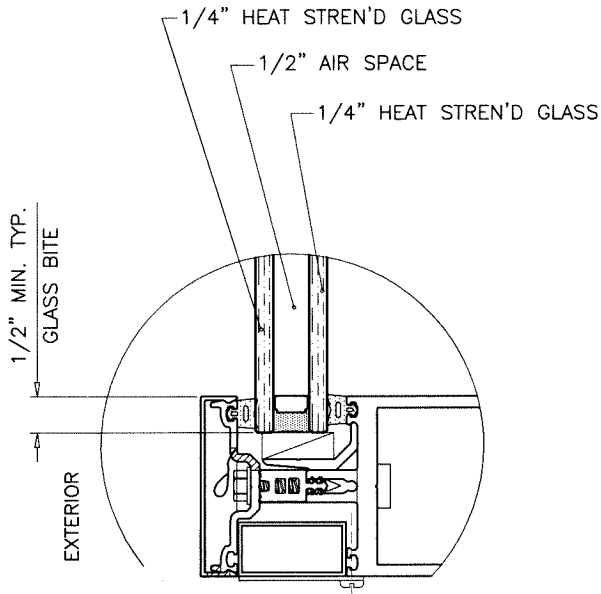
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS).

MULLION SINGLE SPAN TABLES



JAMB 'J'
MULLION 'M1' MULLION 'M2'

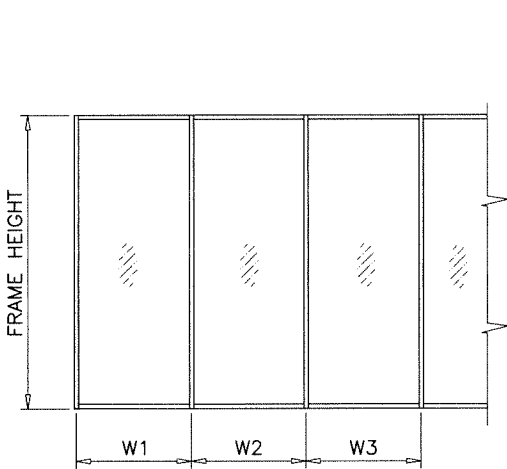
	Ix IN ⁴	Sx IN ³
ALUMINUM	33.8437	8.42
STEEL	17.0529	4.87
TOTAL Ix ALUM + Ix STL X 2.9	83.2971	



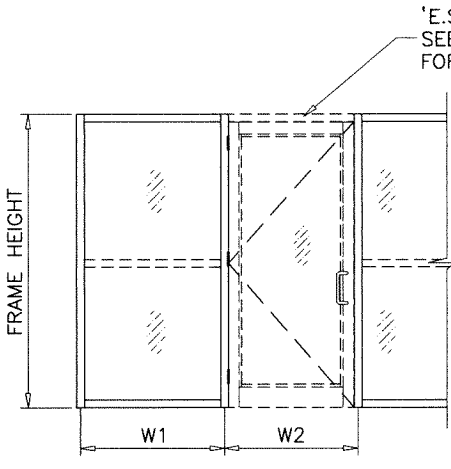
GLAZING DETAIL
1" OVERALL INSUL. GLASS

1/2" AIR SPACE CONSISTING OF:

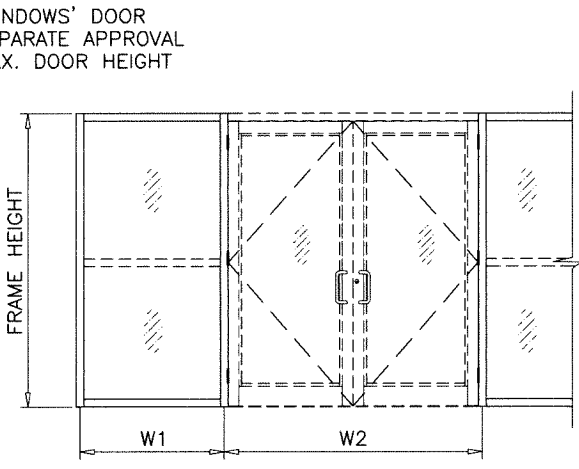
EDGE SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.
EDGE SEALANT FOR CAPTURED GLASS (W/ PRESS PLATE):
SILICONE
DOWSIL 791
GE 2000
EDGE SEALANT FOR SSG GLASS (W/O PRESS PLATE):
1/4" HIGH SILICONE MIN.
ULTIMATE TENSILE STRENGTH PER ASTM C1135=150 PSI MIN.
ALTERNATE CAN BE DESIGNED BY EOR.



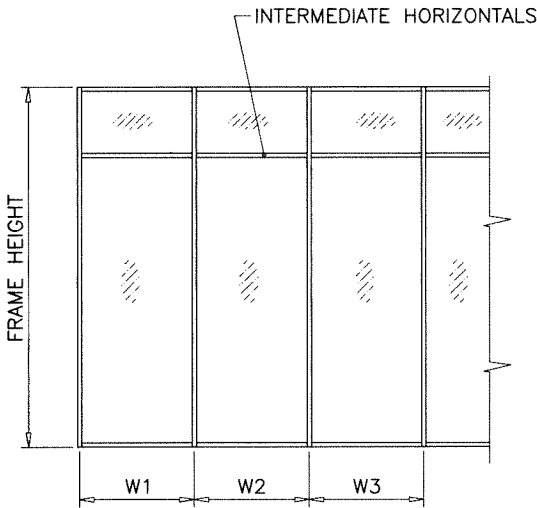
$$\begin{aligned} \text{WIDTH (W)} &= W1 \\ \text{AT JAMB} \\ \text{WIDTH (W)} &= \frac{W2 + W3}{2} \\ \text{AT MULLION} \end{aligned}$$



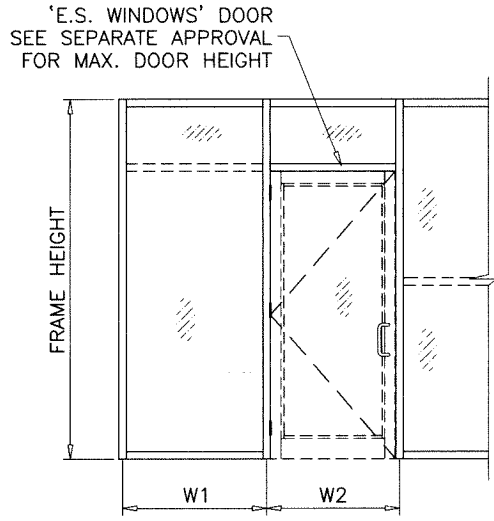
$$\begin{aligned} \text{WIDTH (W)} &= \frac{W1 + W2}{2} \\ \text{AT MULLION} \end{aligned}$$



$$\begin{aligned} \text{WIDTH (W)} &= \frac{W1}{2} + \frac{W2}{4} \\ \text{AT MULLION} \end{aligned}$$



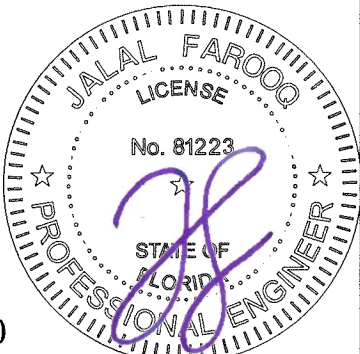
$$\begin{aligned} \text{WIDTH (W)} &= W1 \\ \text{AT JAMB} \\ \text{WIDTH (W)} &= \frac{W2 + W3}{2} \\ \text{AT MULLION} \end{aligned}$$



$$\begin{aligned} \text{WIDTH (W)} &= \frac{W1 + W2}{2} \\ \text{AT MULLION} \end{aligned}$$

MAX. DOOR HEIGHTS FOR WINDOW WALL WITH DOORS
TO BE LIMITED TO THE MAX. APPROVED DOOR HEIGHTS.

Sealed: 9/3/2026



FL #21890

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
COMP-ANL W15-106ESW

SERIES NS 25-8 CURTAIN WALL STICK SYS. (N.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description

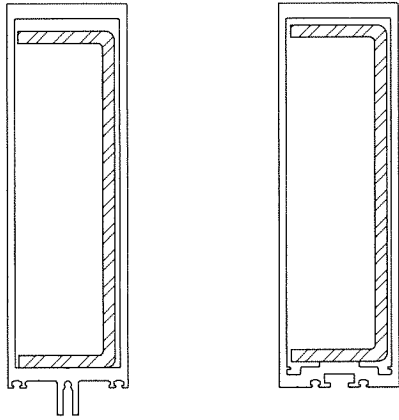
date: 12-01-15	scale: -	dr. by: TARIQ	chk. by:
----------------	----------	---------------	----------

drawing no.
W15-106
sheet 3 of 12

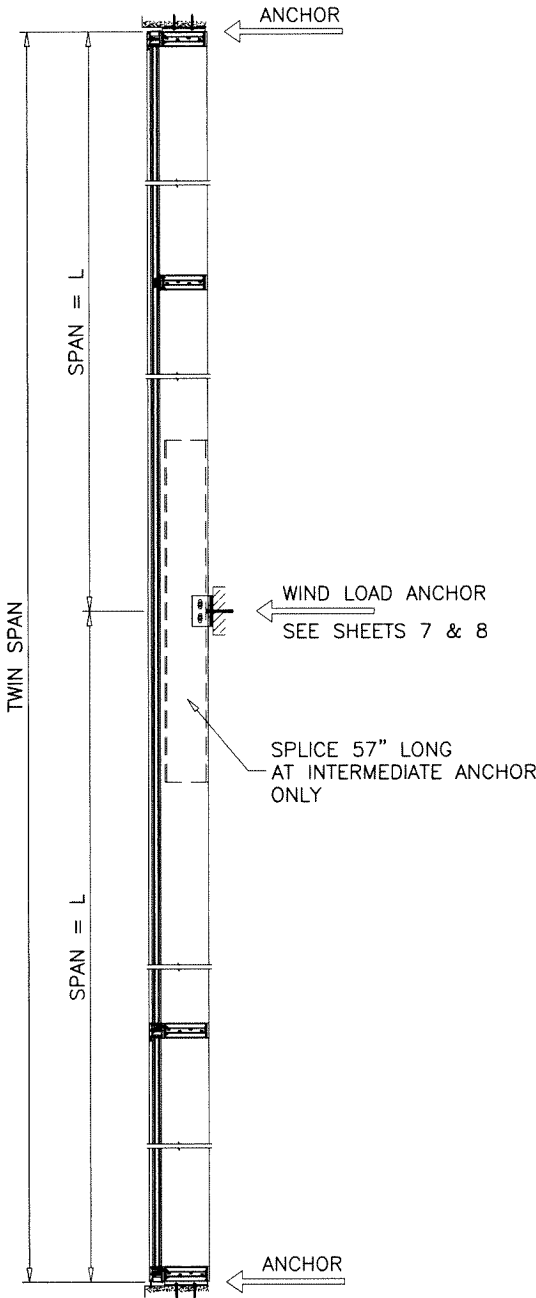
DESIGN LOAD CAPACITY - PSF TWIN SPANS			
NOMINAL DIMS.		JAMB 'J' MULL 'M1', 'M2'	
AVG. MULL SPACING	SPAN = L	EXT. (+)	INT. (-)
30"	120"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	138"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	144"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	168"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	192"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	216"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	240"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.5	52.5
54"		52.5	52.5
60"		52.5	52.5
30"	269-1/4"	52.5	52.5
36"		52.5	52.5
42"		52.5	52.5
48"		52.4	52.4
54"		46.6	46.6
60"		41.9	41.9

INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ALLOWED.

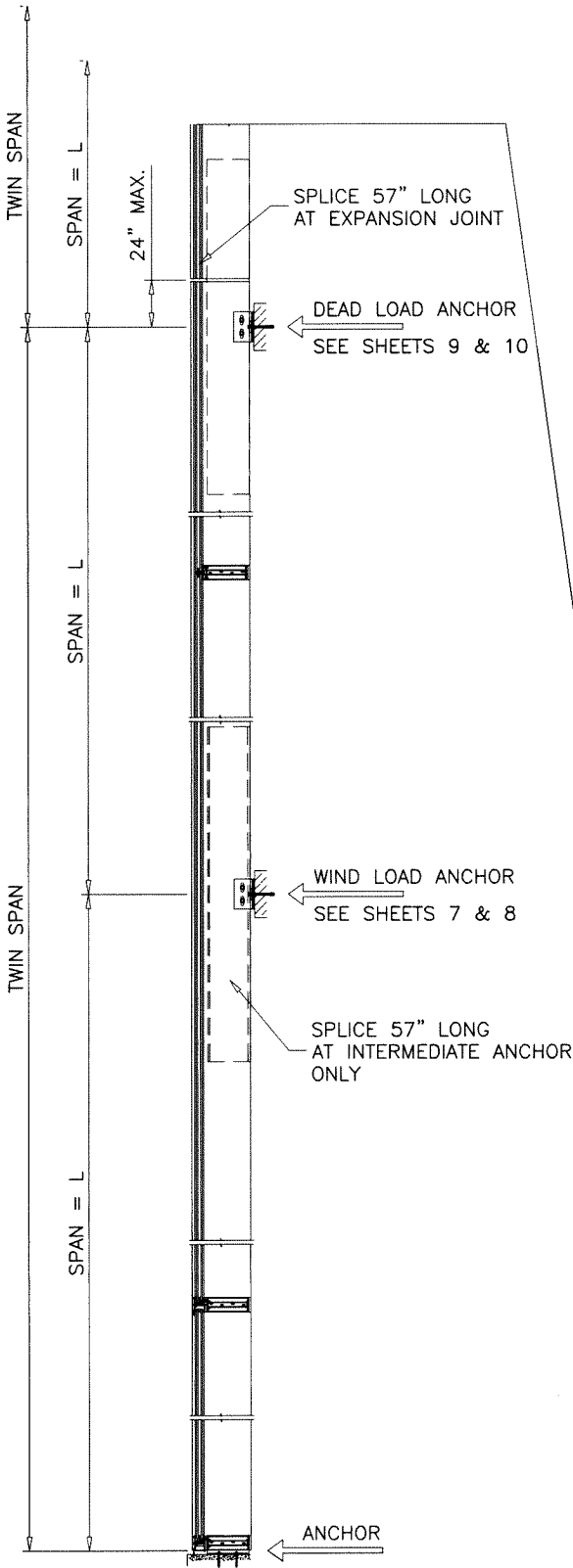
MULLION TWIN SPAN TABLES



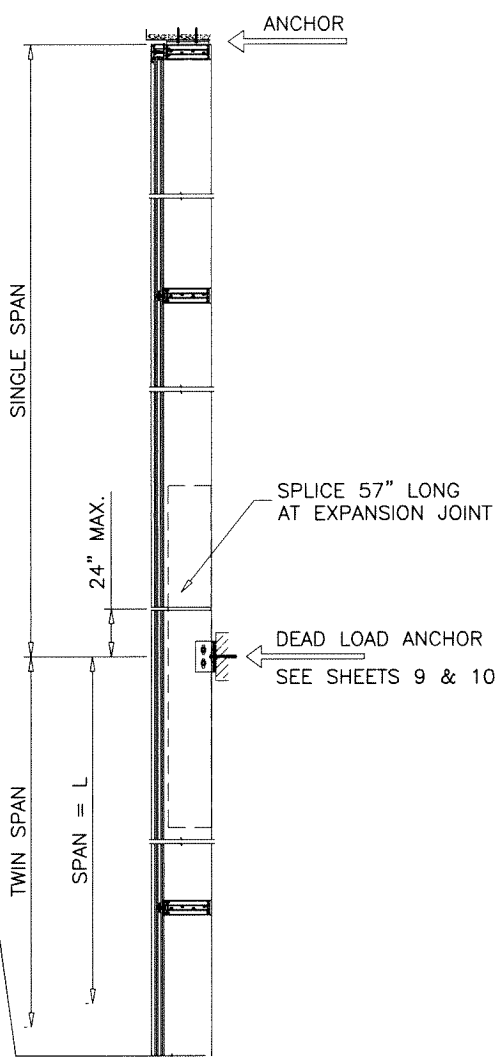
	Ix IN ⁴	Sx IN ³
ALUMINUM	33.8437	8.42
STEEL	17.0529	4.87
TOTAL Ix ALUM + Ix STL X 2.9	83.2971	



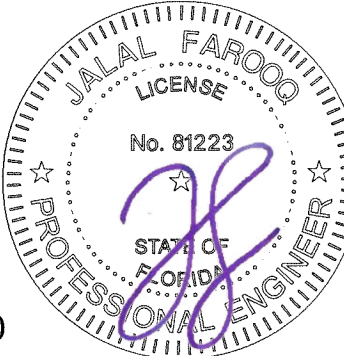
TWO SPAN



MULTIPLE SPANS



Sealed: 9/3/2026



FL #21890

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W15-106ESW

SERIES NS 25-8 CURTAIN WALL STICK SYS. (N.I.)

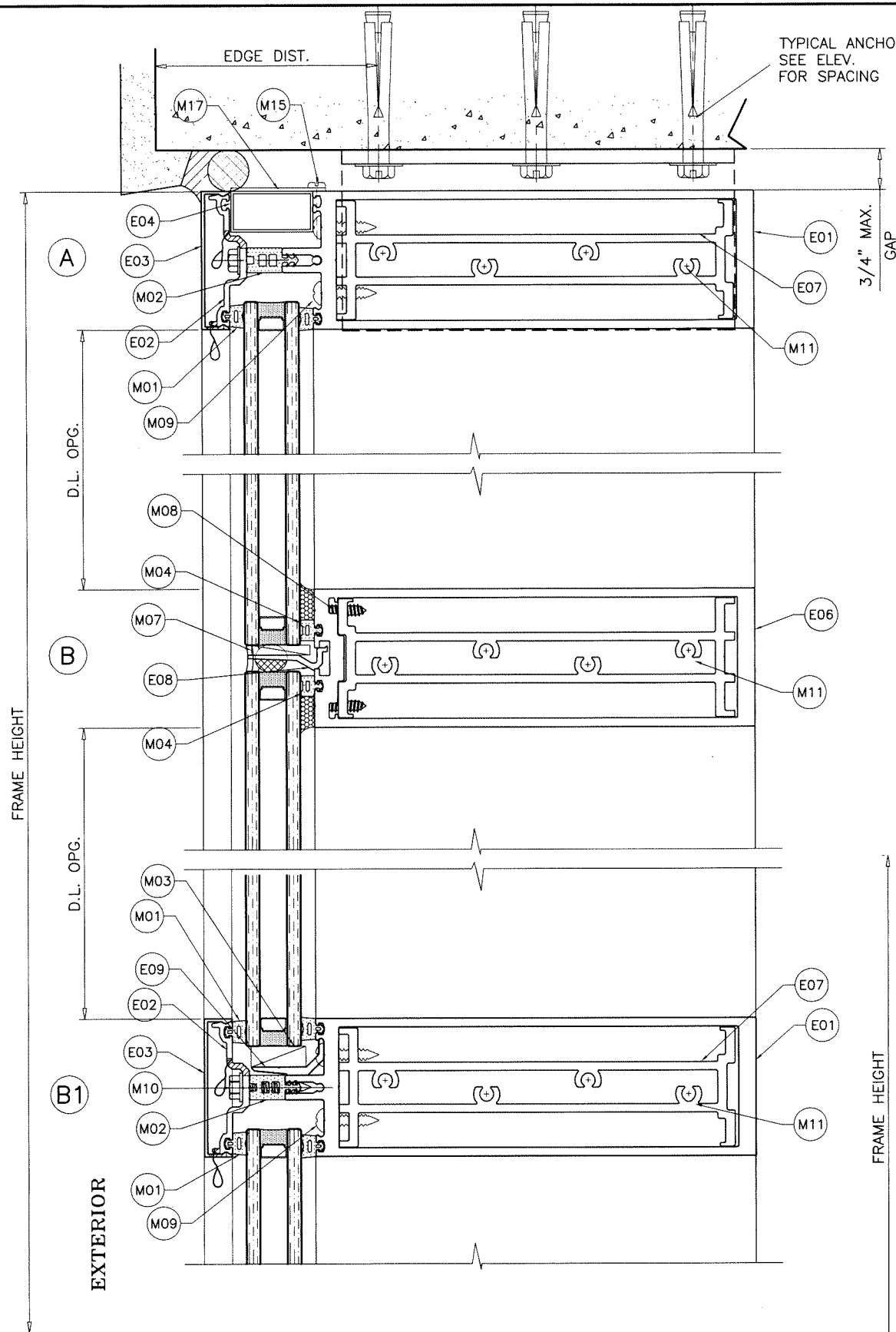
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description

date: 12-01-15	scale: -	dr. by: TARIQ	chk. by:
----------------	----------	---------------	----------

drawing no. **W15-106**

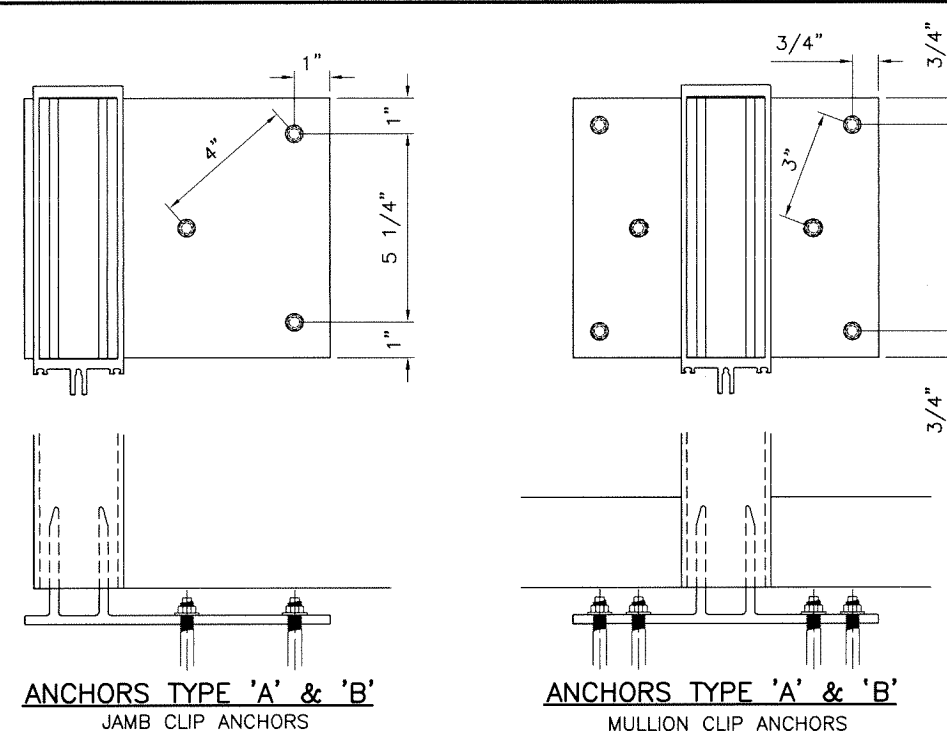
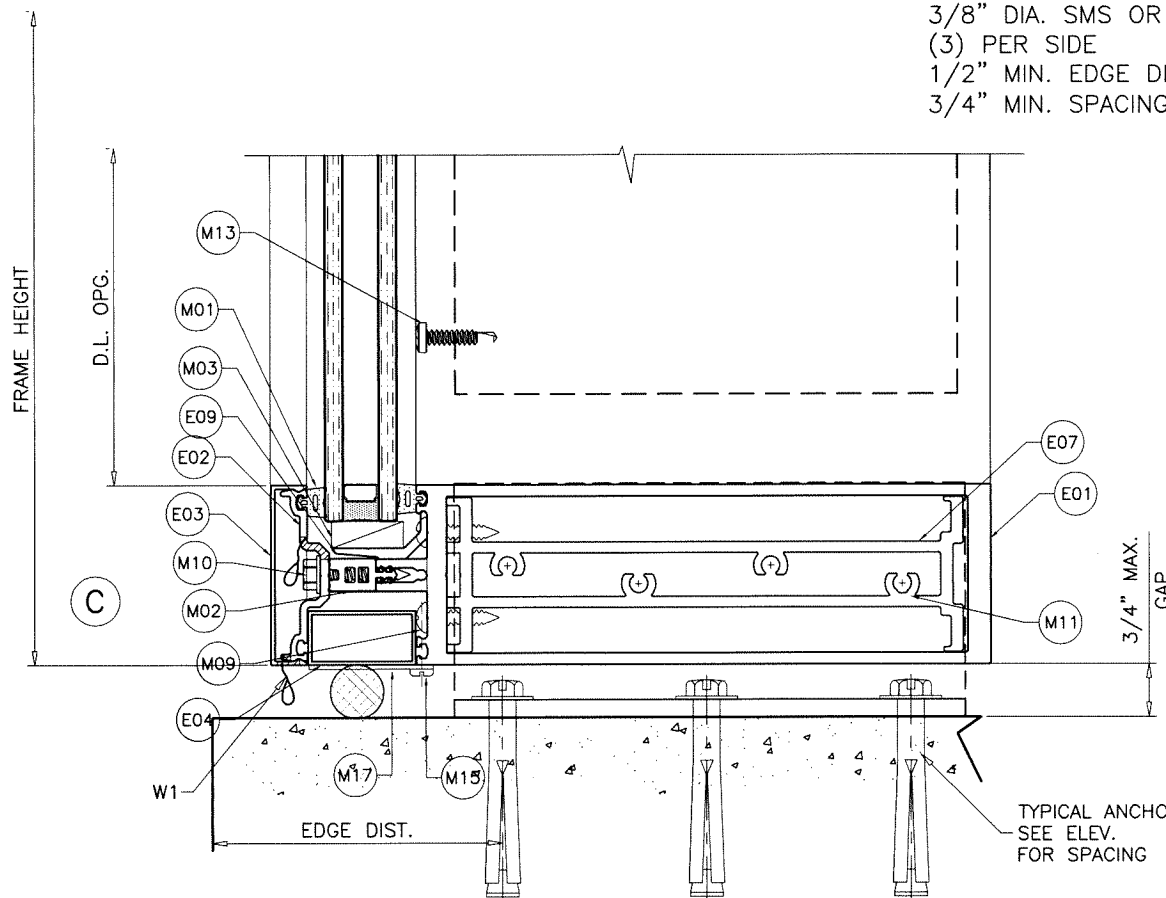
sheet 4 of 12



WEEPHOLES:

W1 = (2) 5/16" DIA. WEEP HOLES AT 1/3 POINTS

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



ANCHOR 'A'

DIRECTLY INTO CONCRETE
3/8" DIA. KWIK BOLT-3 EXPANSION ANCHOR BY 'HILTI'
(3) PER SIDE
WITH 2-1/2" MIN. EMBED INTO CONCRETE.
2-1/2" MIN. EDGE DIST.
3" MIN. SPACING

ANCHOR 'B'

INTO METAL STRUCTURES (STEEL 1/4" MIN. THICKNESS)
3/8" DIA. SMS OR SELF-DRILLING SCREWS (GRADE 5)
(3) PER SIDE
1/2" MIN. EDGE DIST.
3/4" MIN. SPACING

Sealed: 9/3/2026

FL #21890



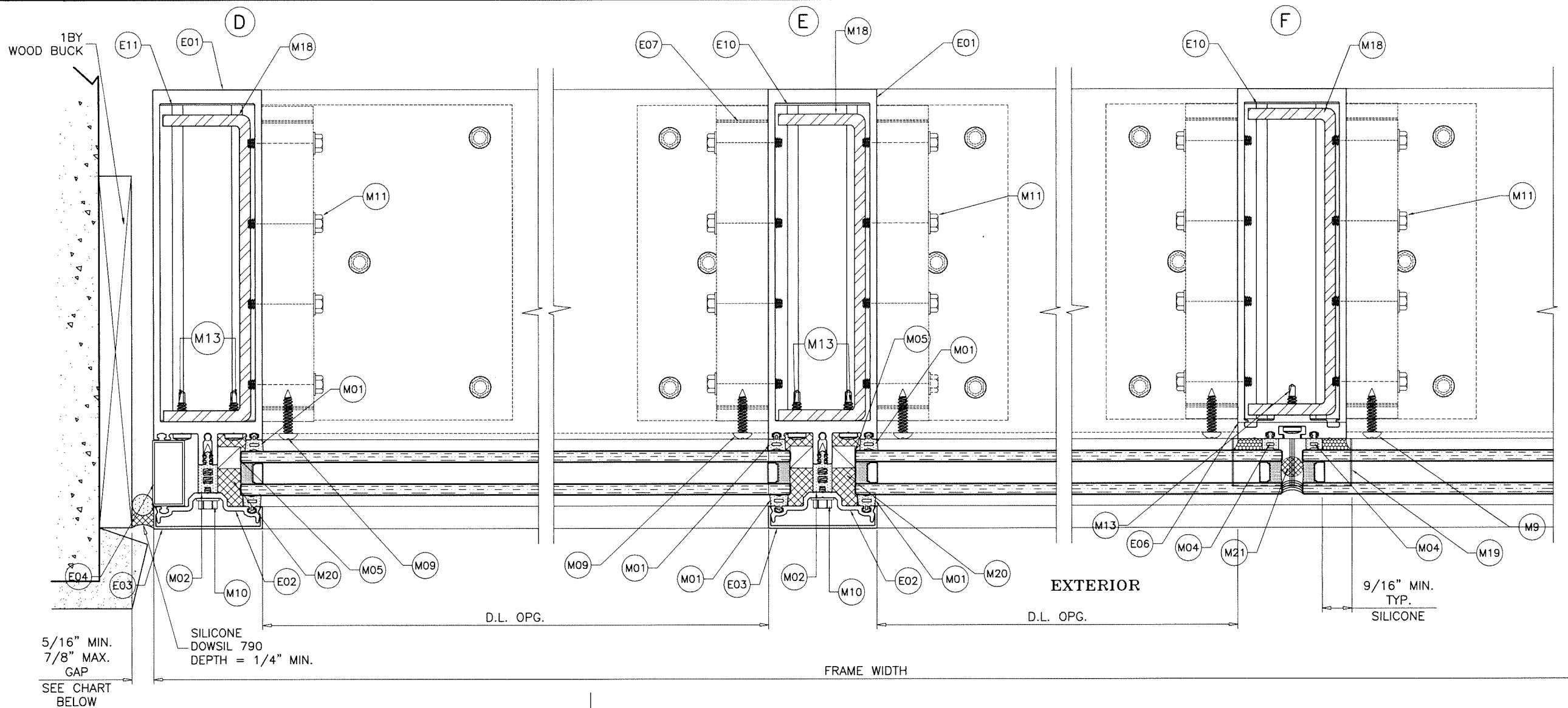
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES NS 25-8 CURTAIN WALL STICK SYS. (N.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	
no	date by description

date: 12-01-15
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:
drawing no.
W15-106
sheet 5 of 12

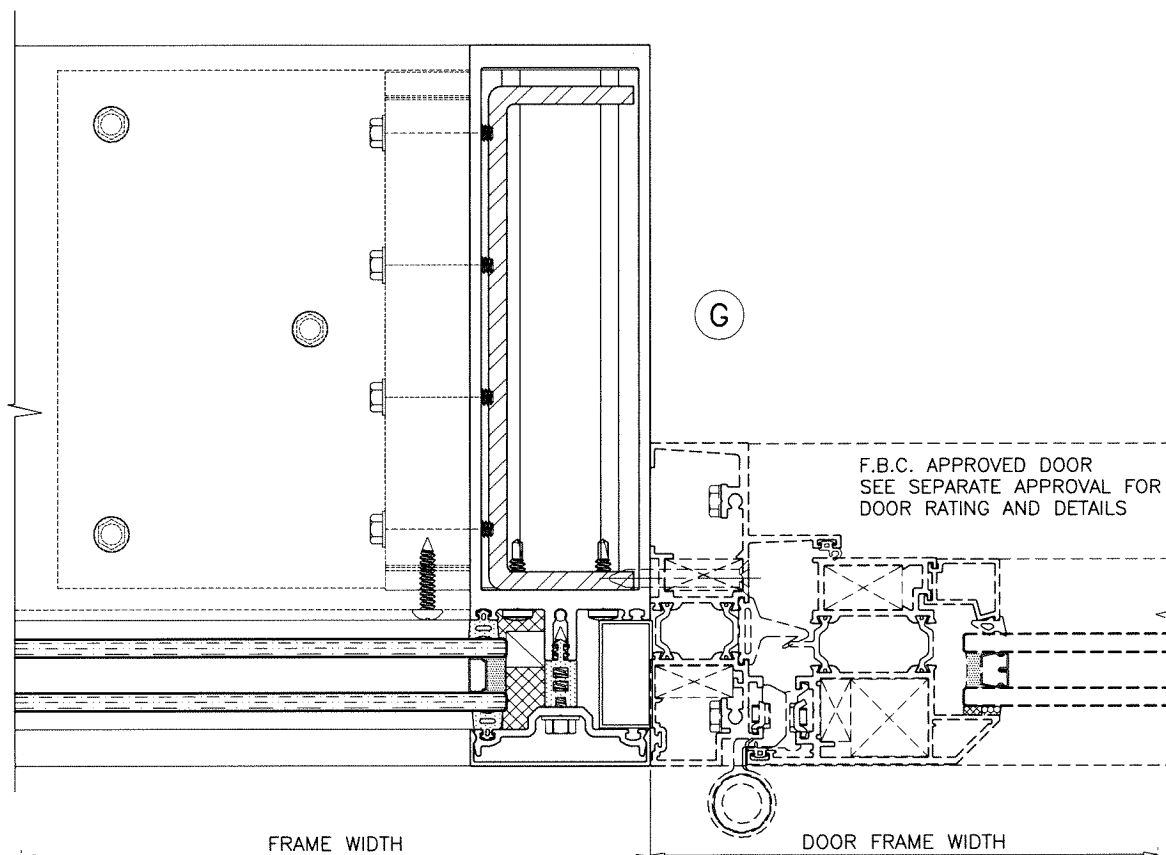


MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
120"	3/8"	7/8"
144"	1/2"	7/8"
168"	5/8"	7/8"
192"	5/8"	7/8"
216"	5/8"	7/8"
269-1/4"	3/4"	7/8"

NOTE:
MAX. MOVEMENT CONSIDERED=100% STRETCH.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY 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.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.



FL #21890



Sealed: 9/3/2026

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 NS 25-8 CURTAIN WALL STICK SYS. (N.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

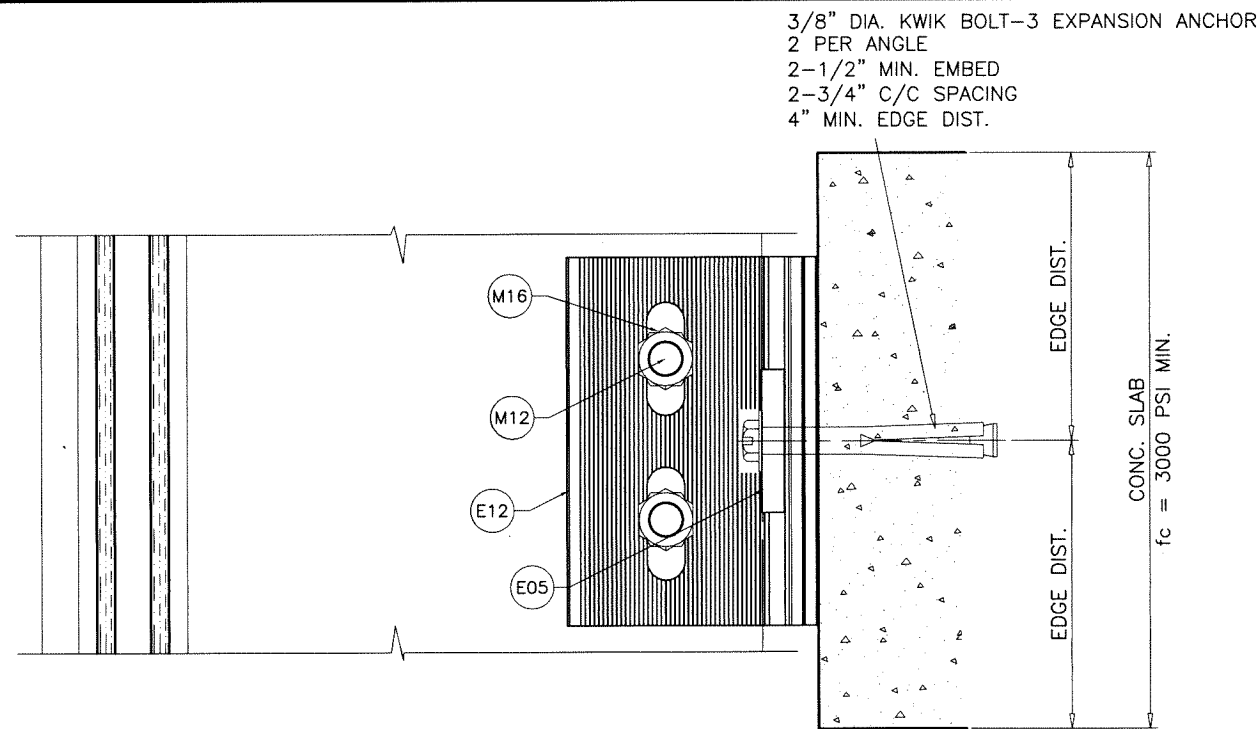
no	date	by	description

date: 12-01-15
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

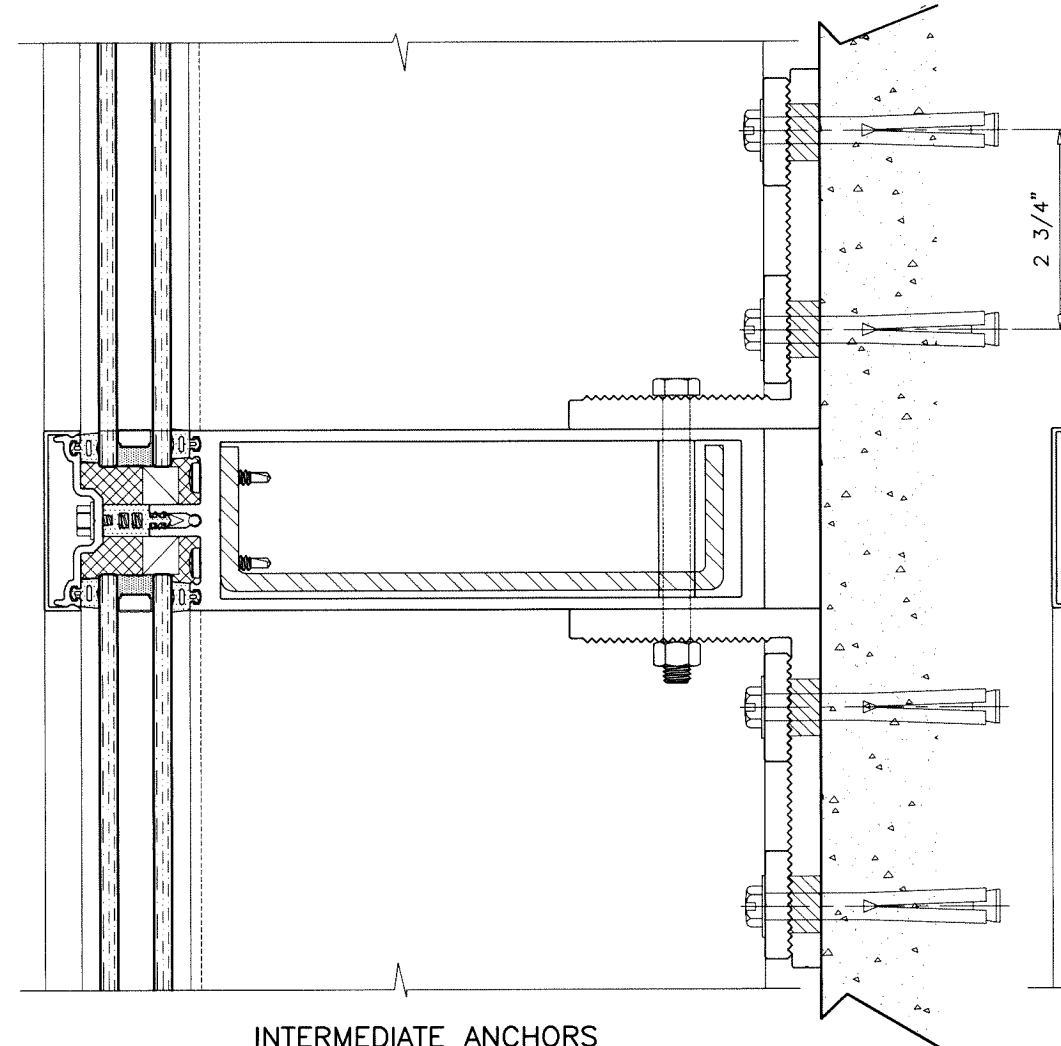
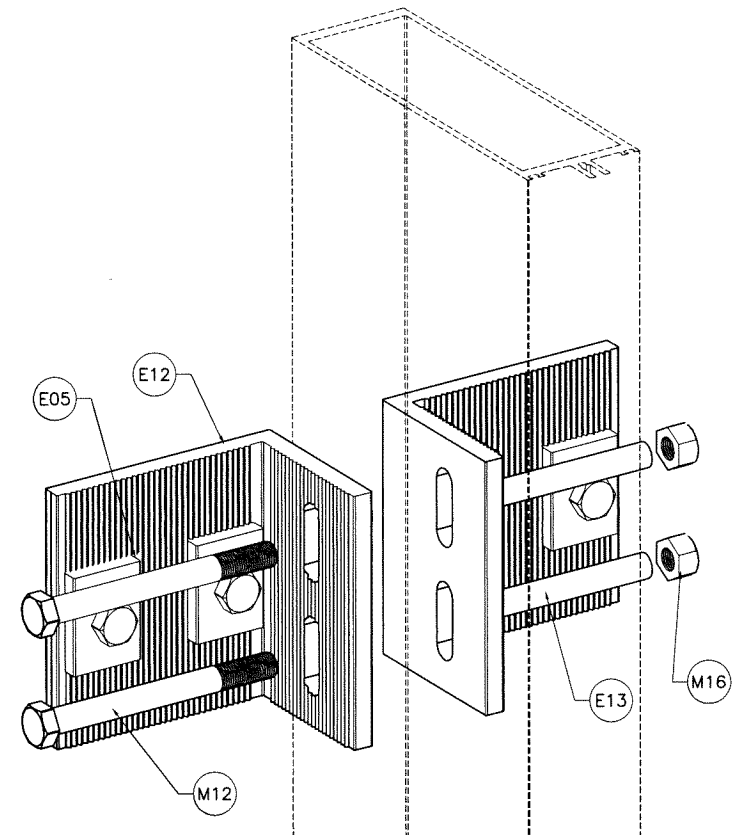
drawing no.
W15-106
sheet 6 of 12

ANCHORS LOAD CAPACITY - PSF		
NOMINAL DIMS.		ANCHOR TYPE 'A'
WIDTH (W)	FRAME HEIGHT	EXT.(+)/INT.(-)
30"	96"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	120"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	138"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	144"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	168"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		50.0
60"		45.0
30"	192"	52.5
36"		52.5
42"		52.5
48"		49.3
54"		43.8
60"		39.4
30"	216"	52.5
36"		52.5
42"		50.0
48"		43.8
54"		38.9
30"	240"	52.5
36"		52.5
42"		45.0
48"		39.4
54"		34.9
30"	269-1/4"	52.5
36"		46.8
42"		40.1

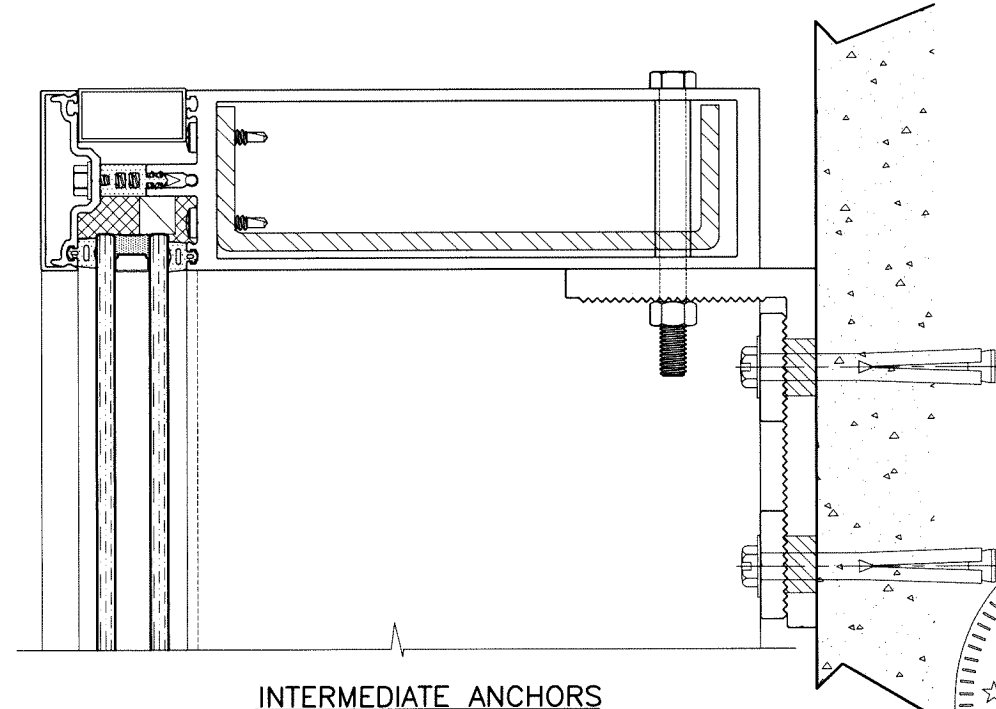
INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ALLOWED.



WIND LOAD ANCHOR



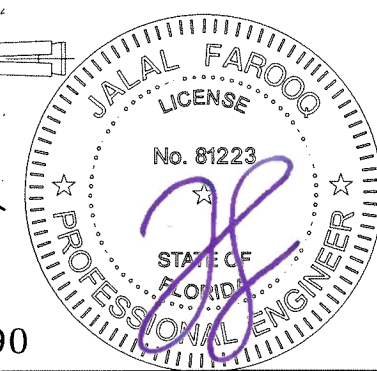
INTERMEDIATE ANCHORS AT MULLION



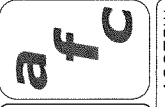
INTERMEDIATE ANCHORS AT JAMB

ANCHORS INTO CONCRETE

FL #21890



Sealed: 9/3/2026



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

SERIES NS 25-8 CURTAIN WALL STICK SYS. (N.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description

date: 12-01-15

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.

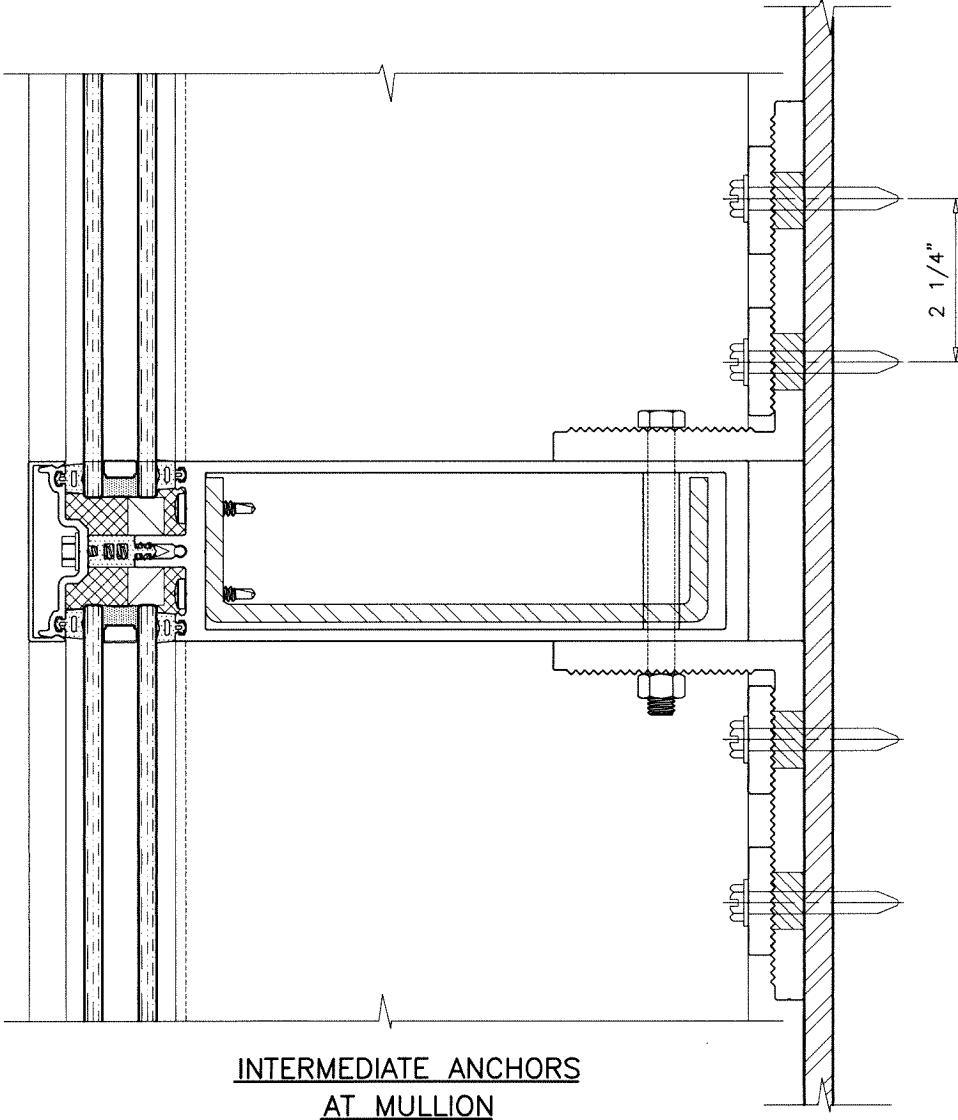
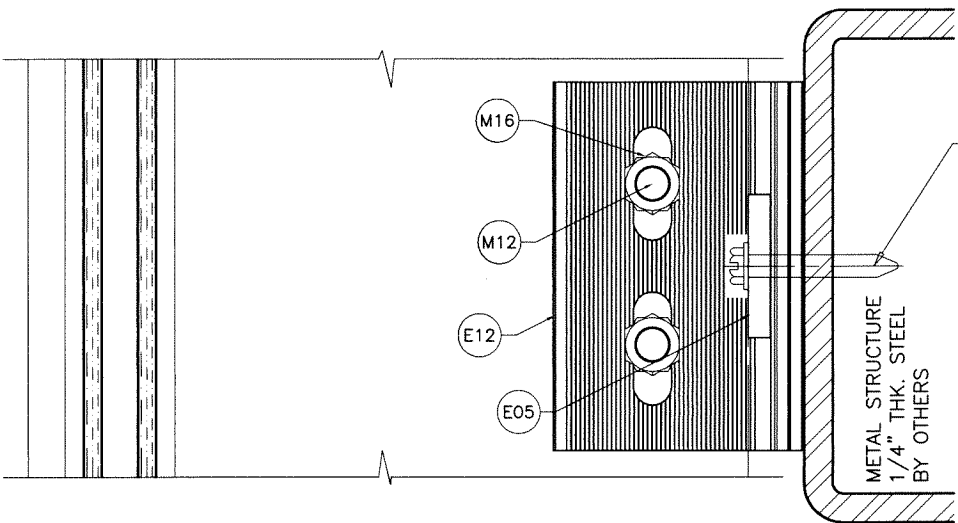
W15-106

sheet 7 of 12

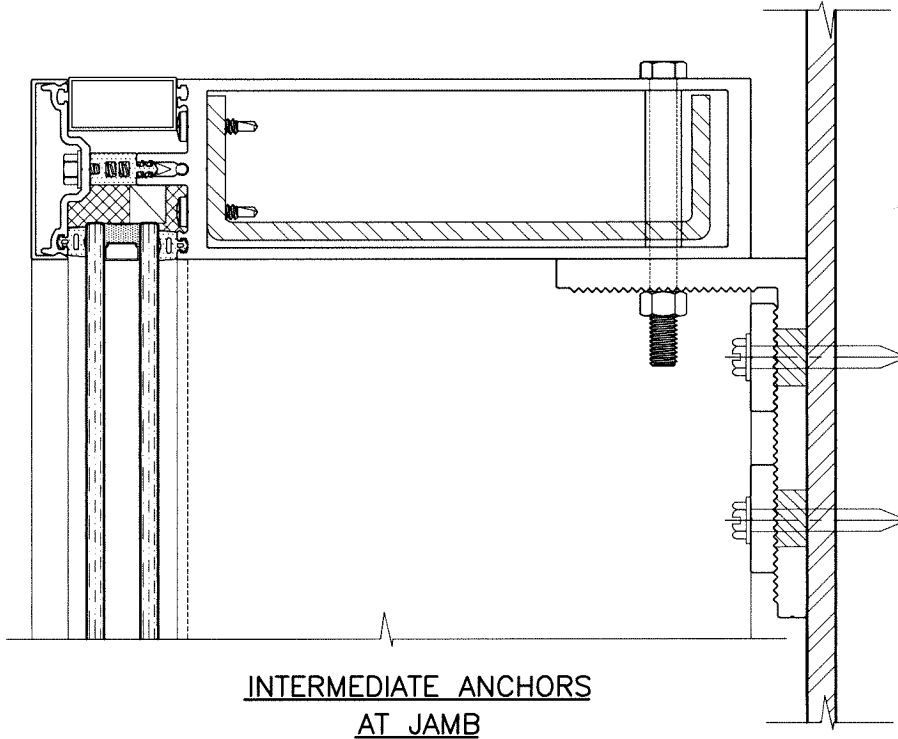
COMP-ANL\W15-106ESW

ANCHORS LOAD CAPACITY - PSF		
NOMINAL DIMS.		ANCHOR TYPE 'B'
WIDTH (W)	FRAME HEIGHT	EXT.(+)/INT.(-)
30"	96"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	120"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	138"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	144"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	168"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	192"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	216"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	240"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	269-1/4"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5

INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ALLOWED.



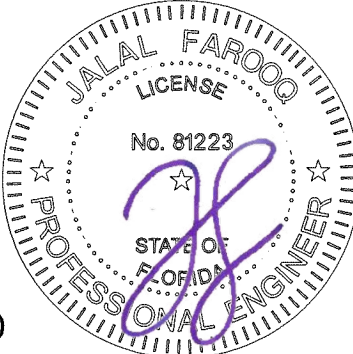
INTERMEDIATE ANCHORS
AT MULLION



INTERMEDIATE ANCHORS
AT JAMB

ANCHORS INTO METAL STRUCTURES
COMMERCIAL STEEL - 1/4" MIN. THICKNESS

FL #21890



Sealed: 9/3/2026

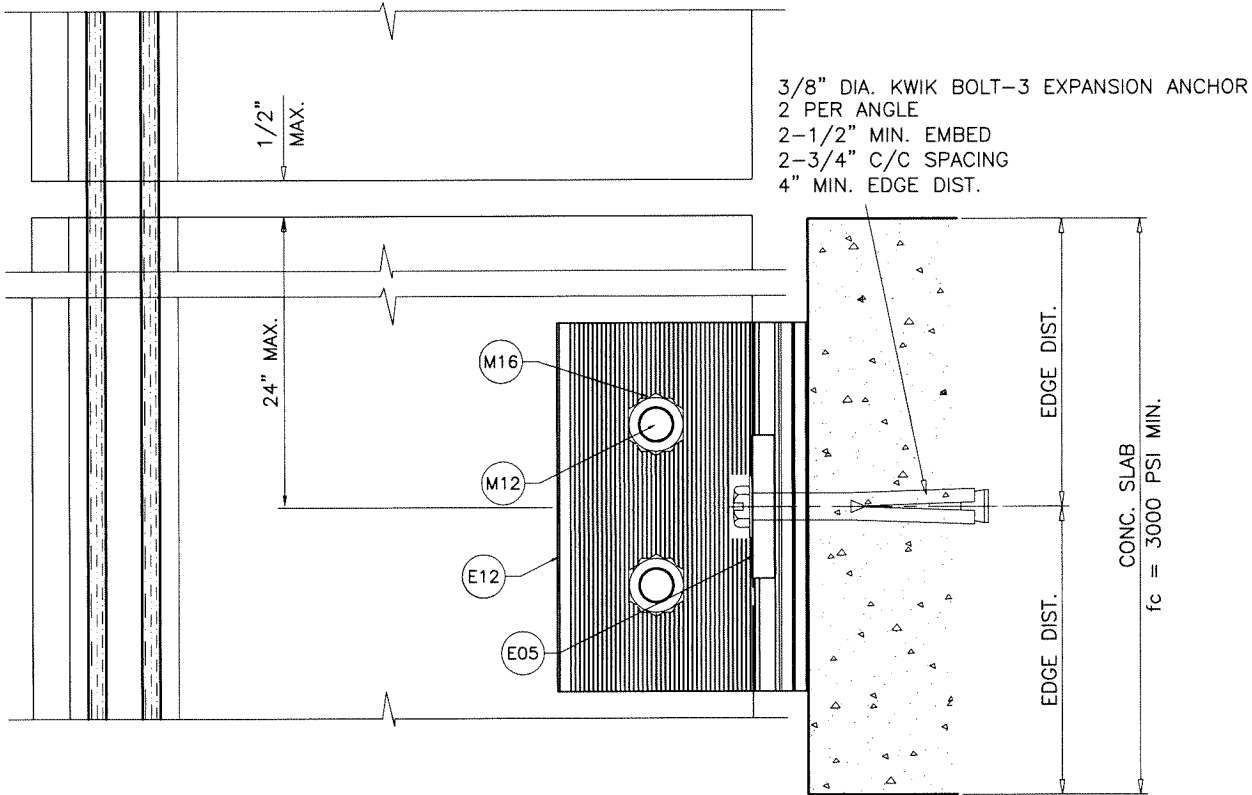
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W15-106ESW

SERIES NS 25-8 CURTAIN WALL STICK SYS. (N.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

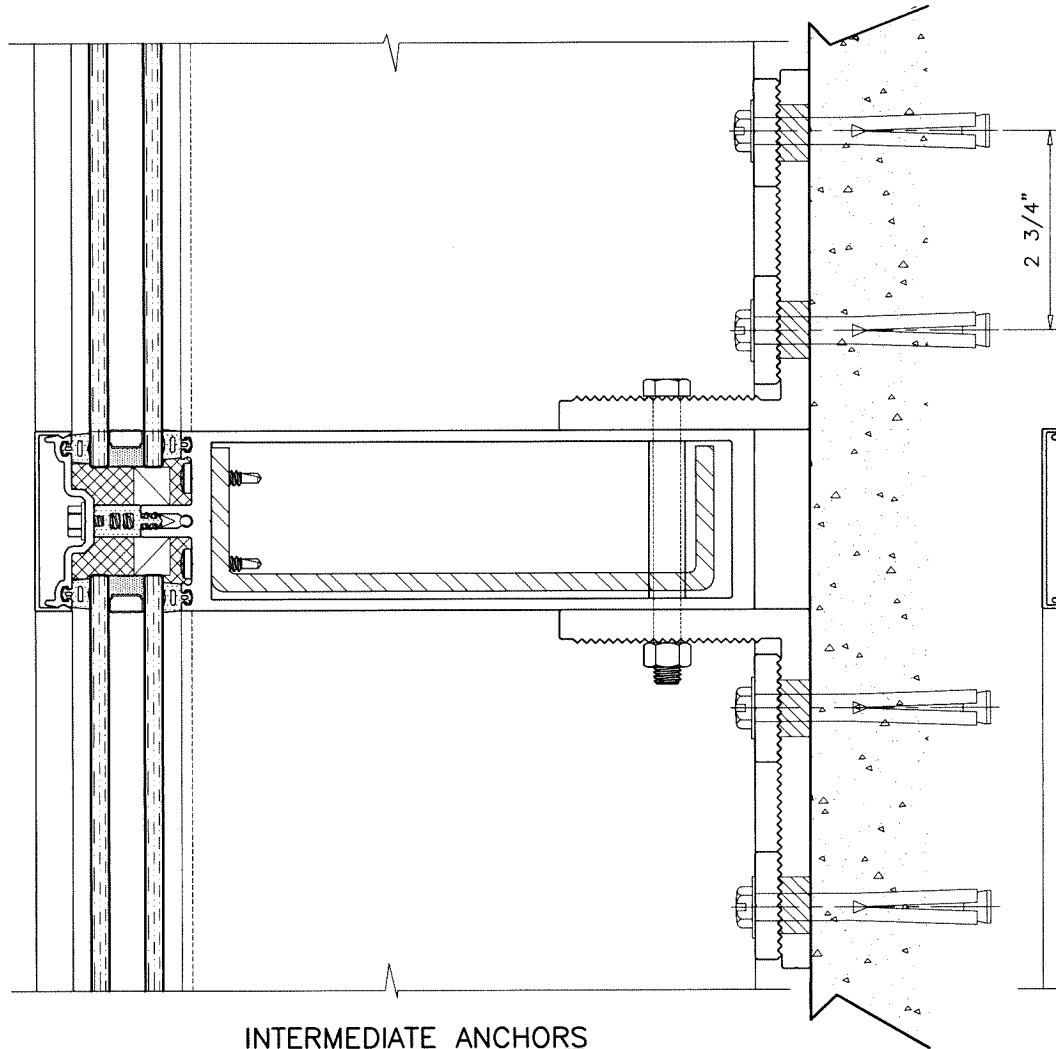
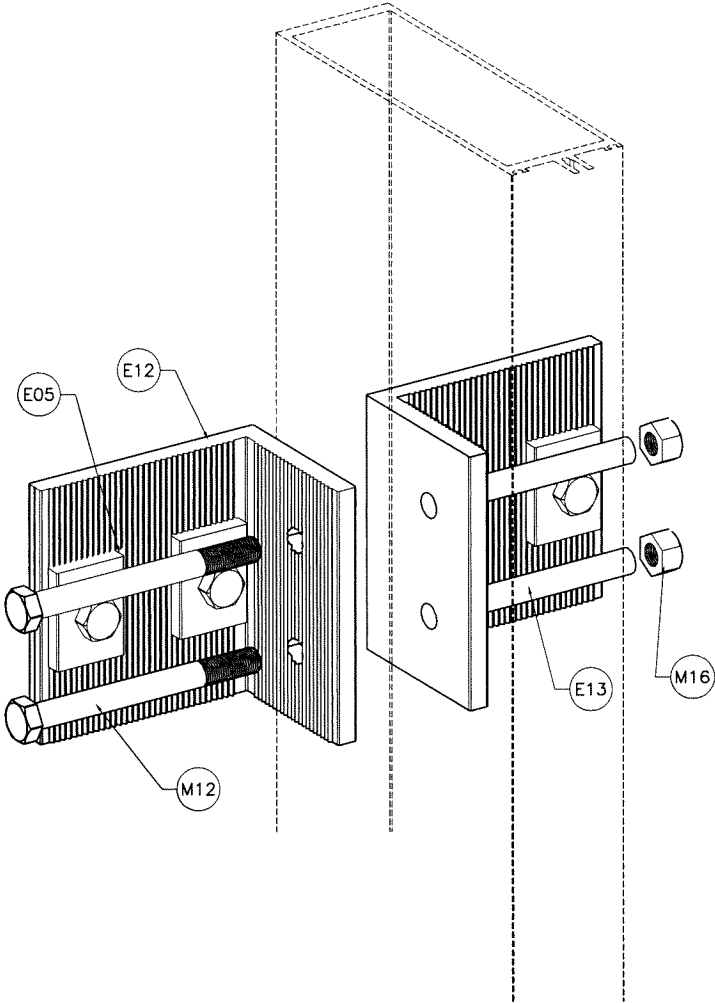
revisions:
no date by description
date: 12-01-15
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:
drawing no.
W15-106
sheet 8 of 12

ANCHORS LOAD CAPACITY - PSF		
NOMINAL DIMS.		ANCHOR TYPE 'A'
WIDTH (W)	FRAME HEIGHT	EXT.(+)/INT.(-)
30"	96"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	120"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		48.5
30"	138"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		46.3
60"		40.2
30"	144"	52.5
36"		52.5
42"		52.5
48"		51.1
54"		43.8
60"		38.0
30"	168"	52.5
36"		52.5
42"		49.7
48"		41.7
54"		35.5
60"		30.5
30"	192"	52.5
36"		51.1
42"		41.7
48"		34.7
54"		29.2
60"		24.8
30"	216"	52.5
36"		43.8
42"		35.5
48"		29.2
54"		24.3
30"	240"	48.5
36"		38.0
42"		30.5
48"		24.8
30"	269-1/4"	41.6
36"		32.2
42"		25.6

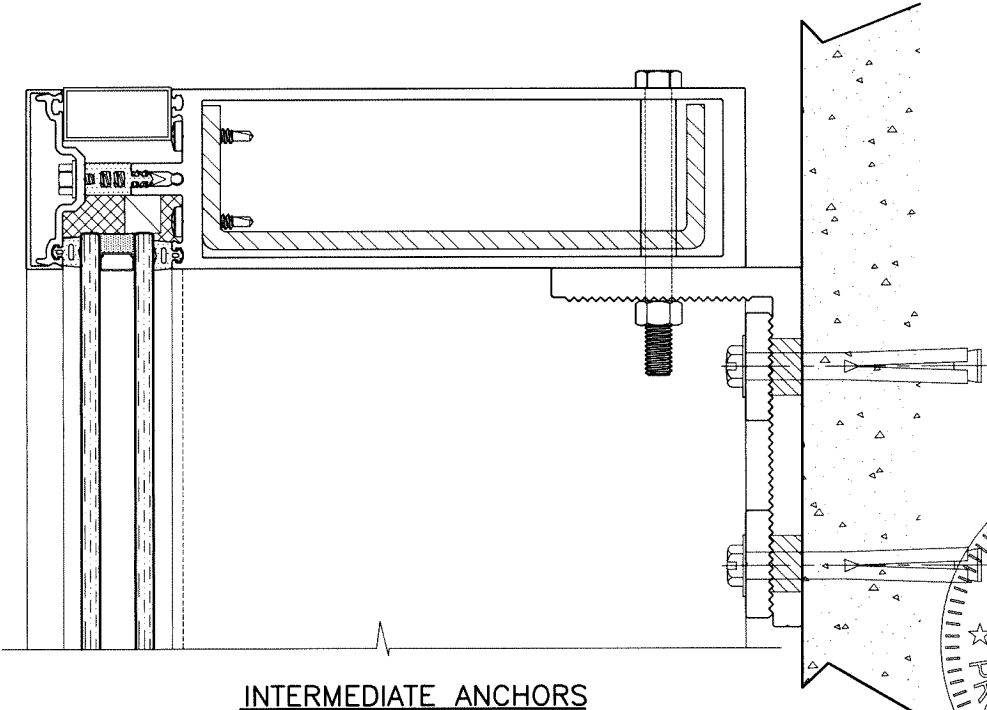
INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ALLOWED.



DEAD LOAD ANCHOR



INTERMEDIATE ANCHORS
AT MULLION

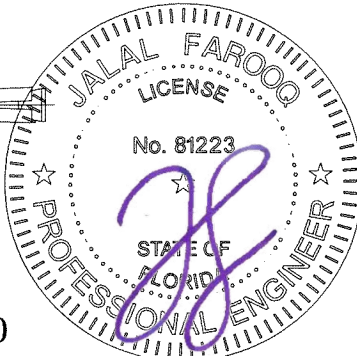


INTERMEDIATE ANCHORS
AT JAMB

ANCHORS INTO CONCRETE

FL #21890

Sealed: 9/3/2026



SERIES NS 25-8 CURTAIN WALL STICK SYS. (N.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142

TEL. (305) 638-5151 FAX. (305) 638-5158

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

COMP-ANL\W15-106ESW

revisions:
no date by description

date: 12-01-15

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

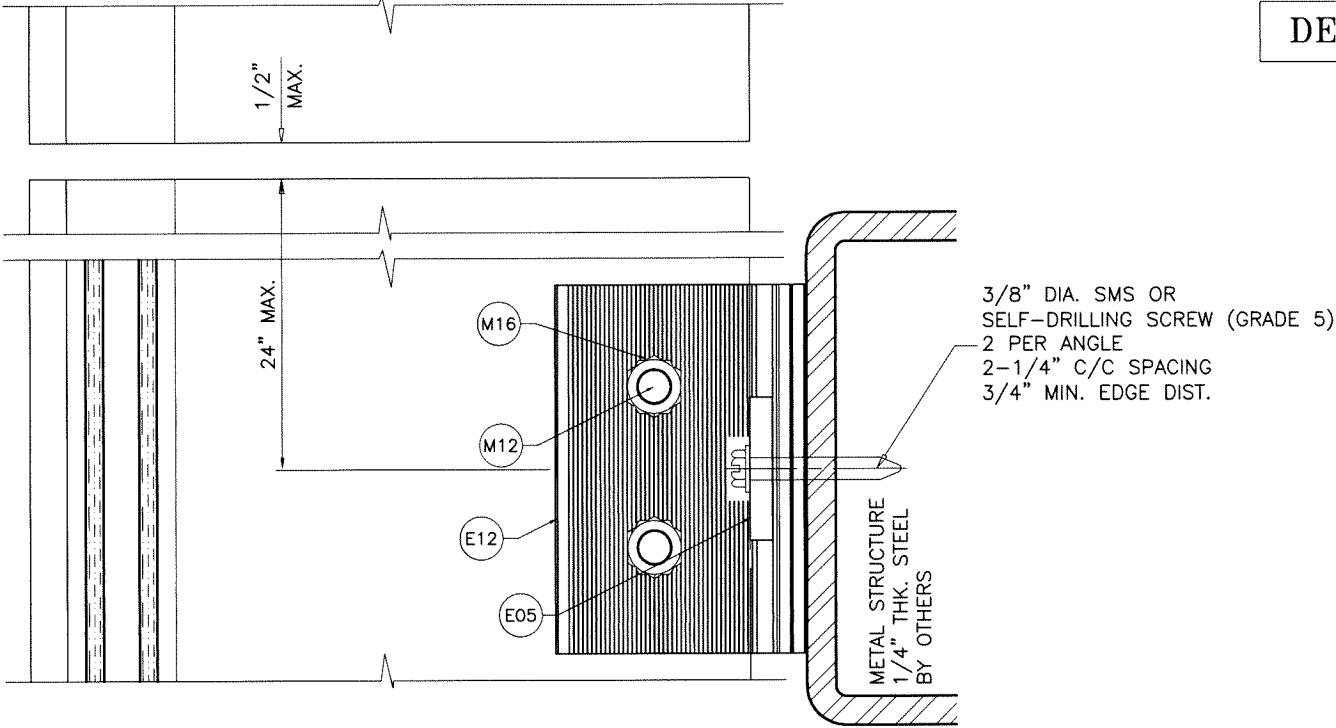
drawing no.

W15-106

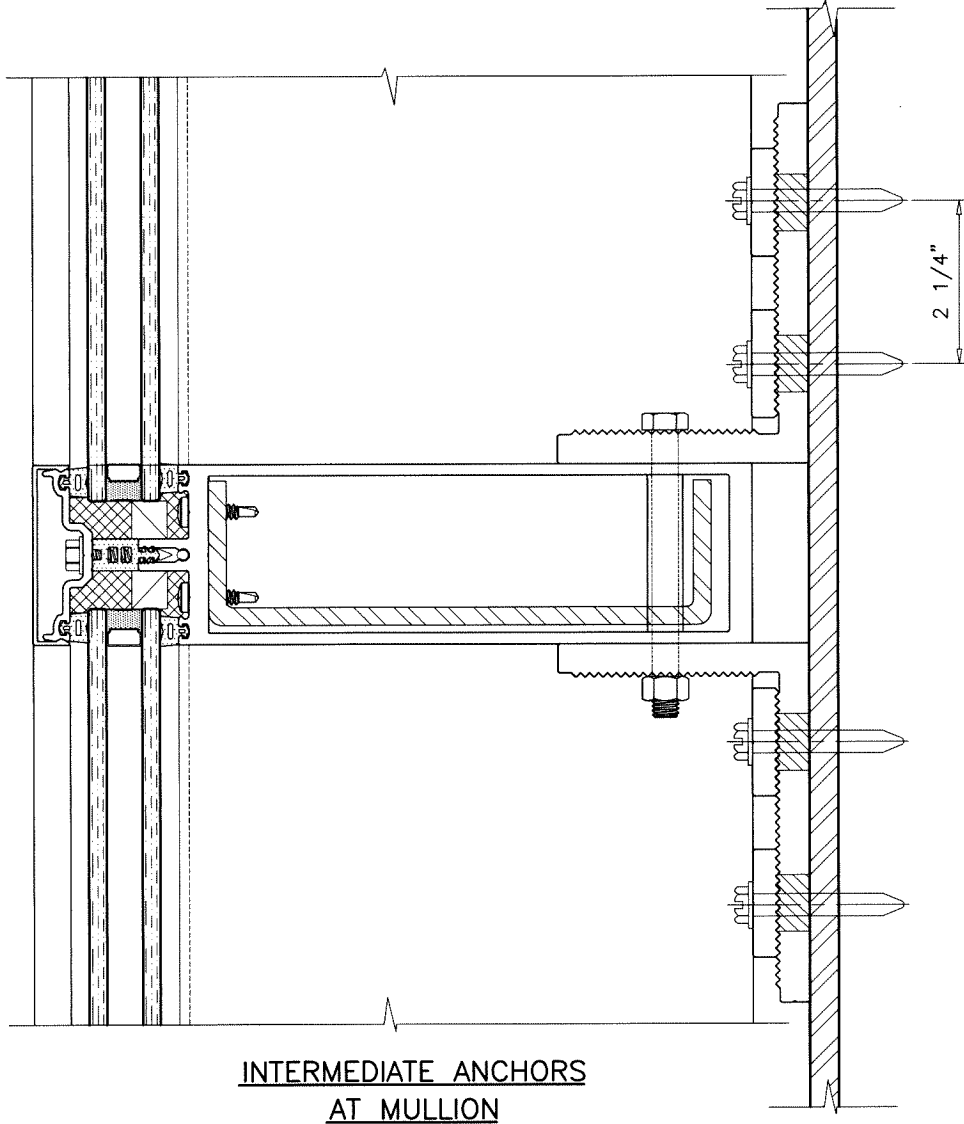
sheet 9 of 12

ANCHORS LOAD CAPACITY - PSF		
NOMINAL DIMS.		ANCHOR TYPE 'B'
WIDTH (W)	FRAME HEIGHT	EXT.(+)/INT.(-)
30"	96"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	120"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	138"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	144"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	168"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	192"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		52.5
30"	216"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		52.5
60"		51.5
30"	240"	52.5
36"		52.5
42"		52.5
48"		52.5
54"		51.5
60"		44.9
30"	269-1/4"	52.5
36"		52.5
42"		52.5
48"		51.7
54"		44.3
60"		38.5

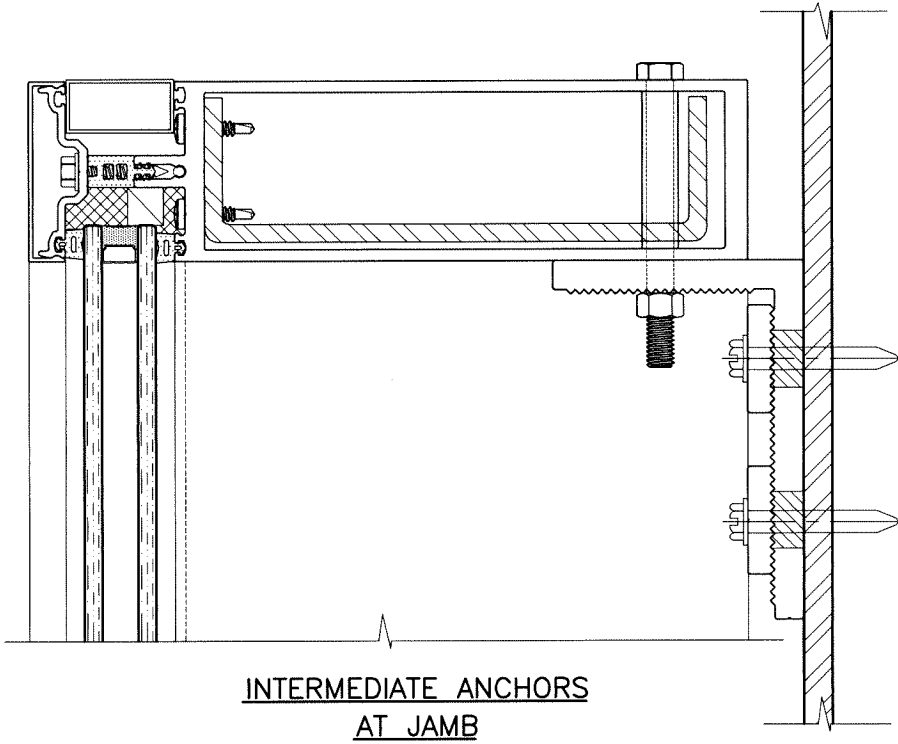
INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ALLOWED.



DEAD LOAD ANCHOR



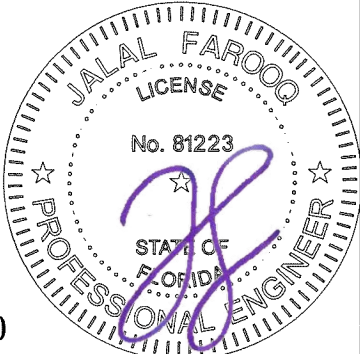
INTERMEDIATE ANCHORS
AT MULLION



INTERMEDIATE ANCHORS
AT JAMB

ANCHORS INTO METAL STRUCTURES
COMMERCIAL STEEL - 1/4" MIN. THICKNESS

FL #21890



Sealed: 9/3/2026



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

SERIES NS 25-8 CURTAIN WALL STICK SYS. (N.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

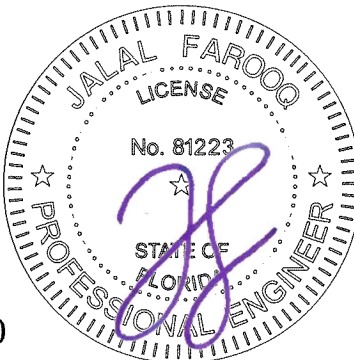
no	date	by	description

date: 12-01-15
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W15-106
sheet 10 of 12

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E01	NS-25-004	AS REQD.	MULLION	6063-T6	-
E02	NS-25-406	AS REQD.	PRESSURE PLATE	6063-T6	-
E03	NS-25-407	AS REQD.	COVER	6063-T5	-
E04	ES-T-097	AS REQD.	POCKET FILLER	6063-T6	-
E05	ES-U3525-216	AS REQD.	SLAB ANCHOR WASHER	6005-T5	-
E06	NS-25-104	AS REQD.	SSG MULLION	6063-T6	-
E07	NS-25-206	AS REQD.	SHEAR BLOCK	6005-T5	-
E08	NS-25PV-014	AS REQD.	SETTING CHAIR, 4" LONG	6063-T6	-
E09	NS-25-053	AS REQD.	SETTING CHAIR, 4" LONG	6063-T5	-
E10	NS-25-204	AS REQD.	MULLION ANCHOR CLIP	6005-T5	-
E11	NS-25-205	AS REQD.	JAMB ANCHOR CLIP	6005-T5	-
E12	ES-U3525-215	AS REQD.	SLAB ANCHOR	6005-T5	-
E13	ALU-TC-008	AS REQD.	SPACER TUBE, 3-1/2" LONG	6063-T6	-
M01	NS-25-G01	AS REQD.	INSIDE/OUTSIDE GASKET	EPDM	DUROMETER 70±5 SHORE A
M02	NS-25-G04	AS REQD.	ISOLATOR	EPDM	DUROMETER 70±5 SHORE A
M03	80-379	2/ LITE	SETTING BLOCK AT 2" FROM ENDS (.39" X .98" X 4" LONG)	EPDM	DUROMETER 80±5 SHORE A
M04	ES-6025-G05	AS REQD.	SSG GASKET	EPDM	DUROMETER 70±5 SHORE A
M05	80-303	2/ LITE	SETTING BLOCK AT 2" FROM ENDS (.47" X .47" X 4" LONG)	EPDM	DUROMETER 80±5 SHORE A
M06	80-341	2/ LITE	SETTING BLOCK AT 2" FROM ENDS (.31" X .75")	EPDM	DUROMETER 80±5 SHORE A
M07	210830	2/ LITE	SETTING BLOCK AT 2" FROM ENDS (1.06" X .17" X 4" LONG)	EPDM	DUROMETER 80±5 SHORE A
M08	#12 X 1"	2/ BLOCK	SHEAR BLOCK FASTENERS	ST. STEEL	FH SELF DRILLING SCREWS
M09	#12 X 1-1/4"	2/ BLOCK	SHEAR BLOCK FASTENERS	ST. STEEL	PH SELF DRILLING SCREWS
M10	#14 X 1-1/2"	AS REQD.	PRESSURE PLATE FASTENERS	ST. STEEL	HWH SMS
M11	1/4-20 X 1-1/2"	4/ BLOCK	SHEAR BLOCK FASTENERS	ST. STEEL	HH TYPE 'F' POINT
M12	3/8-16 X 4"	AS REQD.	INTERMEDIATE ANCHOR BOLT	ST. STEEL	HEX HEAD
M13	#12 X 1"	AS REQD.	SPLICE AND REINFORCEMENT FASTENER	ST. STEEL	PH SELF DRILLING SCREW
M14	-	AS REQD.	3/8" WASHER	ST. STEEL	-
M15	#8 X 1/2"	AS REQD.	END CAP FASTENERS	ST. STEEL	PH SMS
M16	3/8-16	AS REQD.	NUT	ST. STEEL	HEX HEAD
M17	NS-25-C02	AS REQD.	END CAP	ALUMINUM	-
M18	-	AS REQD.	REINFORCEMENT CHANNEL	STEEL	-
M19	NS-25-B01C	AS REQD.	JOINT PLUG AT SSG VERTICAL & HORIZONTAL	EPDM	DUROMETER 60±5 SHORE A
M20	NS-25-F03	AS REQD.	END FOAM AT CAPTURED VERTICAL & HORIZONTAL INTERSECTION	FOAM	CLOSED CELL
M21	-	AS REQD.	5/8" BACKER ROD AT SSG VERTICAL	POLYETHYLENE	-
M22	-	AS RQD.	3/8" BACKER ROD AT POCKET FILLER	POLYETHYLENE	-

Sealed: 9/3/2026



FL #21890

a f c

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 NS 25-8 CURTAIN WALL STICK SYS. (N.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

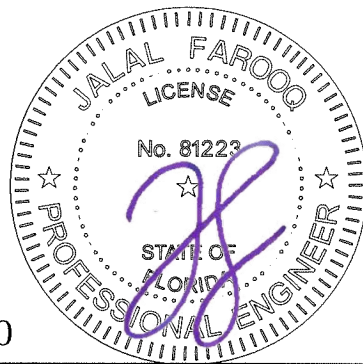
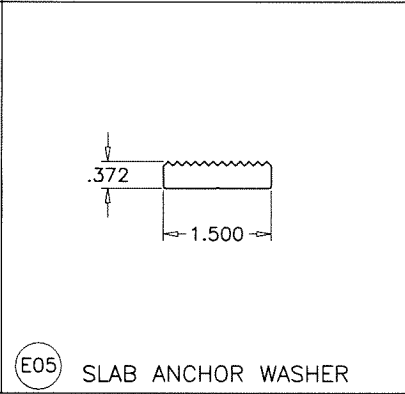
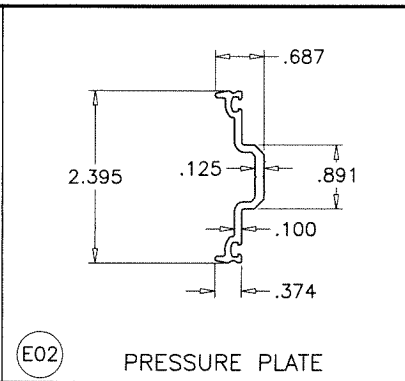
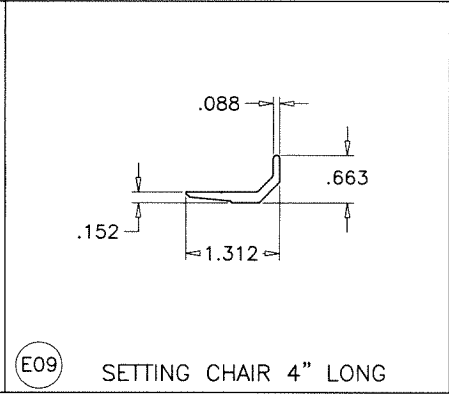
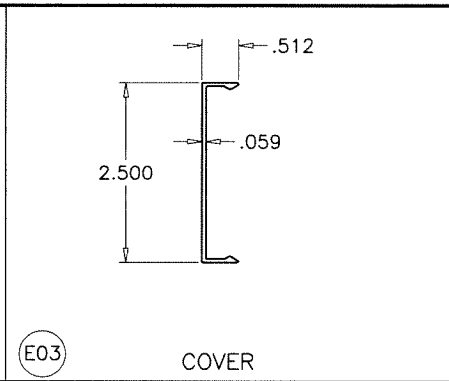
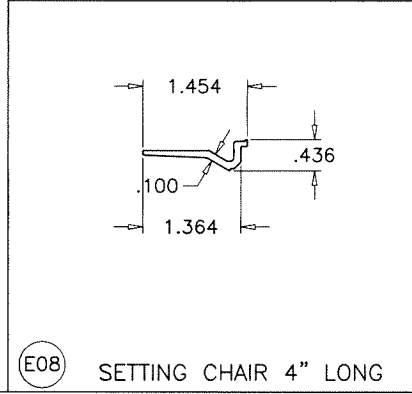
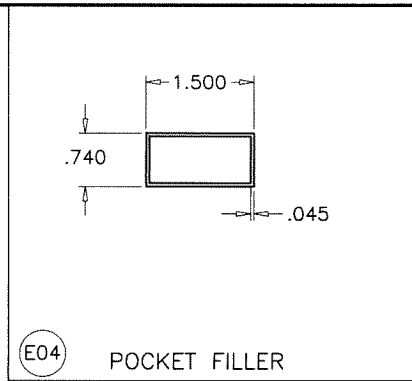
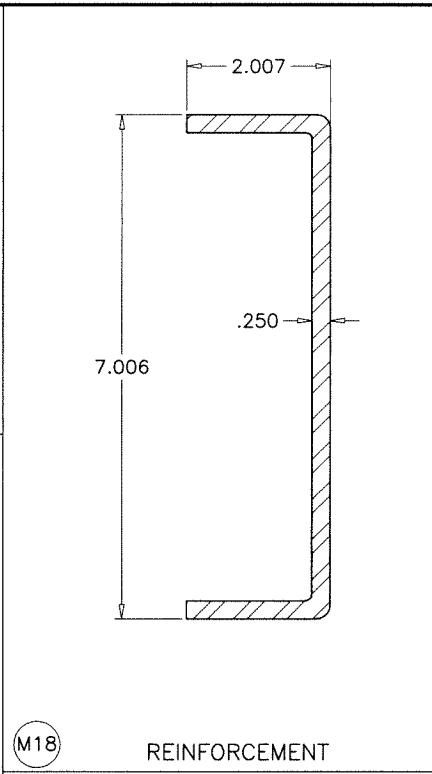
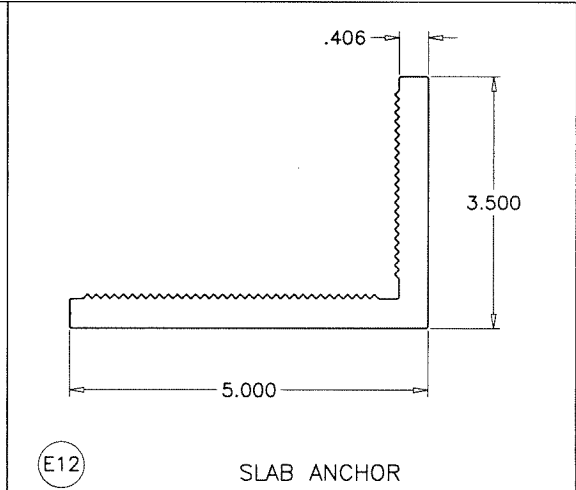
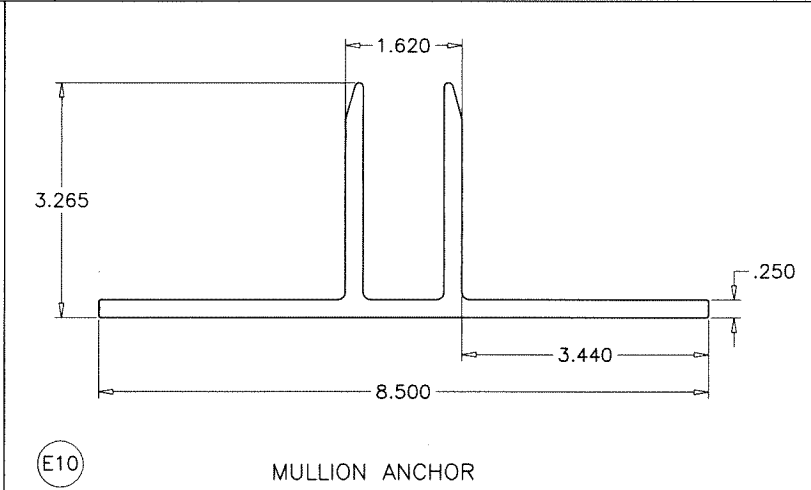
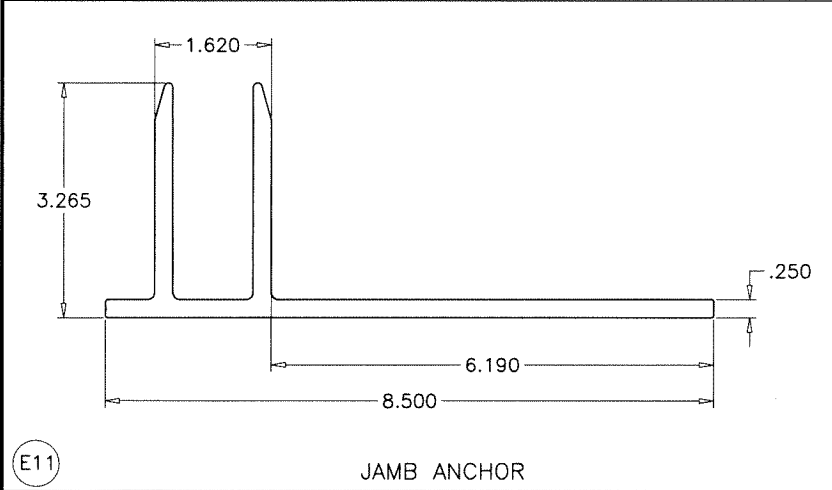
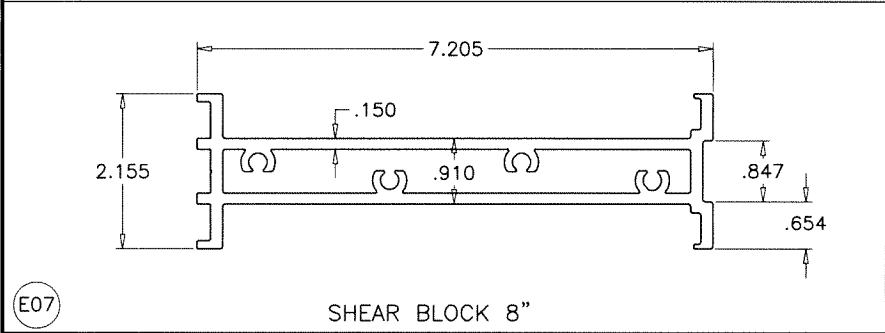
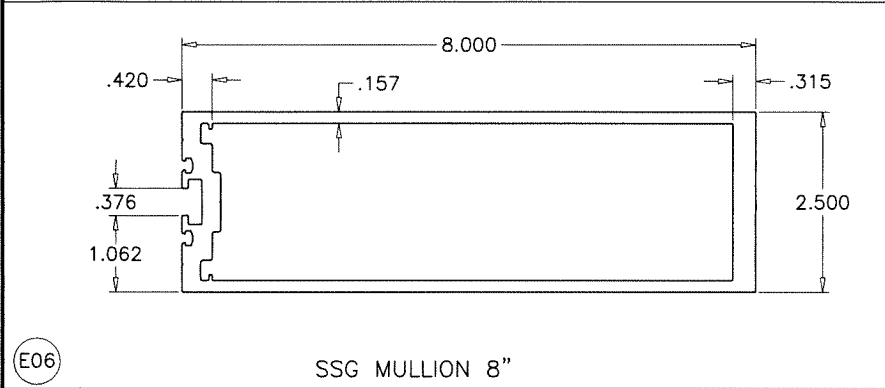
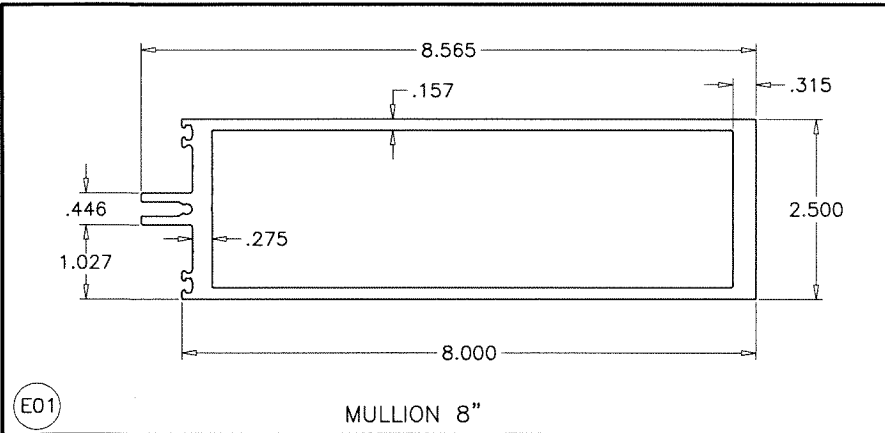
Revisions:
no date by description

date: 12-01-15
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W15-106

sheet 11 of 12

COMP-ANL\W15-106ESW



FL #21890

Sealed: 9/3/2026

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

SERIES NS 25-8 CURTAIN WALL STICK SYS. (N.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	
no	description

date: 12-01-15
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W15-106
sheet 12 of 12

COMP-ANI\W15-106ESW