

DESIGN LOAD CAPACITY - PSF			
D.L.O. WIDTH INCHES	D.L.O. HEIGHT INCHES	EXT.(+)	INT.(−)
27-1/2"	72-5/16"	80.0	100.0
33-1/2"		80.0	100.0
39-1/2"		80.0	98.6
45-1/2"		80.0	92.3
48-1/2"		80.0	89.9
27-1/2"	78-5/16"	80.0	100.0
33-1/2"		80.0	97.9
39-1/2"		80.0	89.6
41-1/2"		80.0	87.4
44-1/2"		80.0	84.4
27-1/2"	84-5/16"	80.0	100.0
33-1/2"		80.0	90.1
39-1/2"		80.0	82.2
41-1/2"		80.0	80.0

DOOR HEIGHT AND WIDTH SIZE MUST COMPLY
EGRESS REQUIREMENTS PER FBC AS REQUIRED.

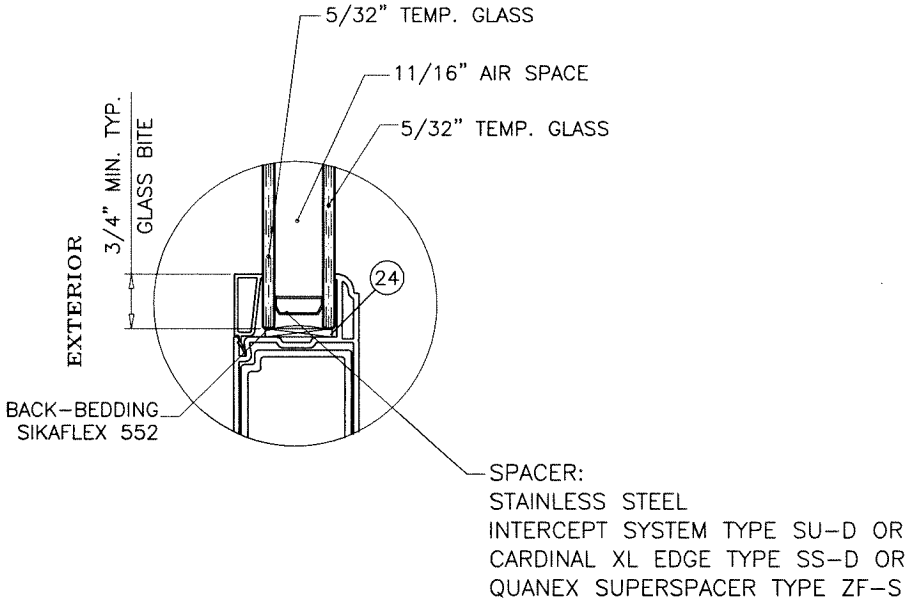
LOAD CAPACITIES SHOWN IN CHART ABOVE
ARE FOR DOORS USING 3.785" SILL HEIGHT
FOR DOORS USING 3.285" SILL HEIGHT LIMIT
EXTERIOR(+) LOADS TO 70 PSF.

CHART 1

JAMB ANCHOR SPACING		
PRESSURE	UP TO 60 PSF	ABOVE 60 PSF
D.L.O. WIDTH INCHES	ANCHOR TYPE	ANCHOR TYPE
	A, A1, B, C	A, A1, B, C
33-1/2"	21"	18-1/2"
41-1/2"	21"	16"
48-1/2"	21"	15"

CHART 2

JAMB ANCHOR SPACING (APPLICABLE TO POCKET JAMB)				
PRESSURE	UP TO 60 PSF		ABOVE 60 PSF	
D.L.O. WIDTH INCHES	ANCHOR TYPE		ANCHOR TYPE	
	A1	A, B, C	A1	A, B, C
33-1/2"	11-7/8"	21"	7-1/8"	19"
41-1/2"	10"	21"	6-1/4"	16-1/2"
48-1/2"	8-3/4"	21"	5-3/4"	15-1/2"



GLAZING OPTIONS

1" OVERALL INSUL. GLASS

DAYLITE OPENINGS:

D.L.O. WIDTH = PANEL WIDTH - 8.500"

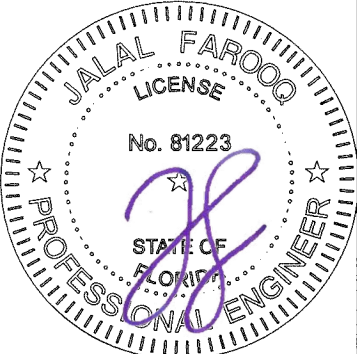
D.L.O. HEIGHT = PANEL HEIGHT - 8.500"

PANEL HEIGHT = FRAME HEIGHT - 3.188"

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.

Sealed: 9/22/2026

FL #28643



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** DETERMINE DOOR CAPACITY FROM TABLES ON SHEET 1.
- STEP 3** USING CHARTS ON SHEET 1 FOR JAMB AND POCKET ANCHORS SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 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.

THIS SYSTEM IS NOT RATED FOR IMPACT.

INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE
USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES
COMPLYING WITH HVHZ REQUIREMENTS.

INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA MUST MEET
THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

SERIES '650' PVC SLIDING GLASS DOOR

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.

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.

afc

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 353g)
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\W18-127\WINCO

SERIES '650' PVC SLIDING GLASS DOOR (N.I.)

VIVINCO, INC.
P.O. BOX 499
MORGANTOWN, PA. 19543

TEL. (610) 286-8884 FAX. (610) 286-8877

revisions:

no	date	by	description
A	11.27.20	ML	UPDATED TO 2020 FBC
B	03.25.24		UPDATED TO 2023 FBC
C	09.21.26		UPDATED TO 2026 FBC

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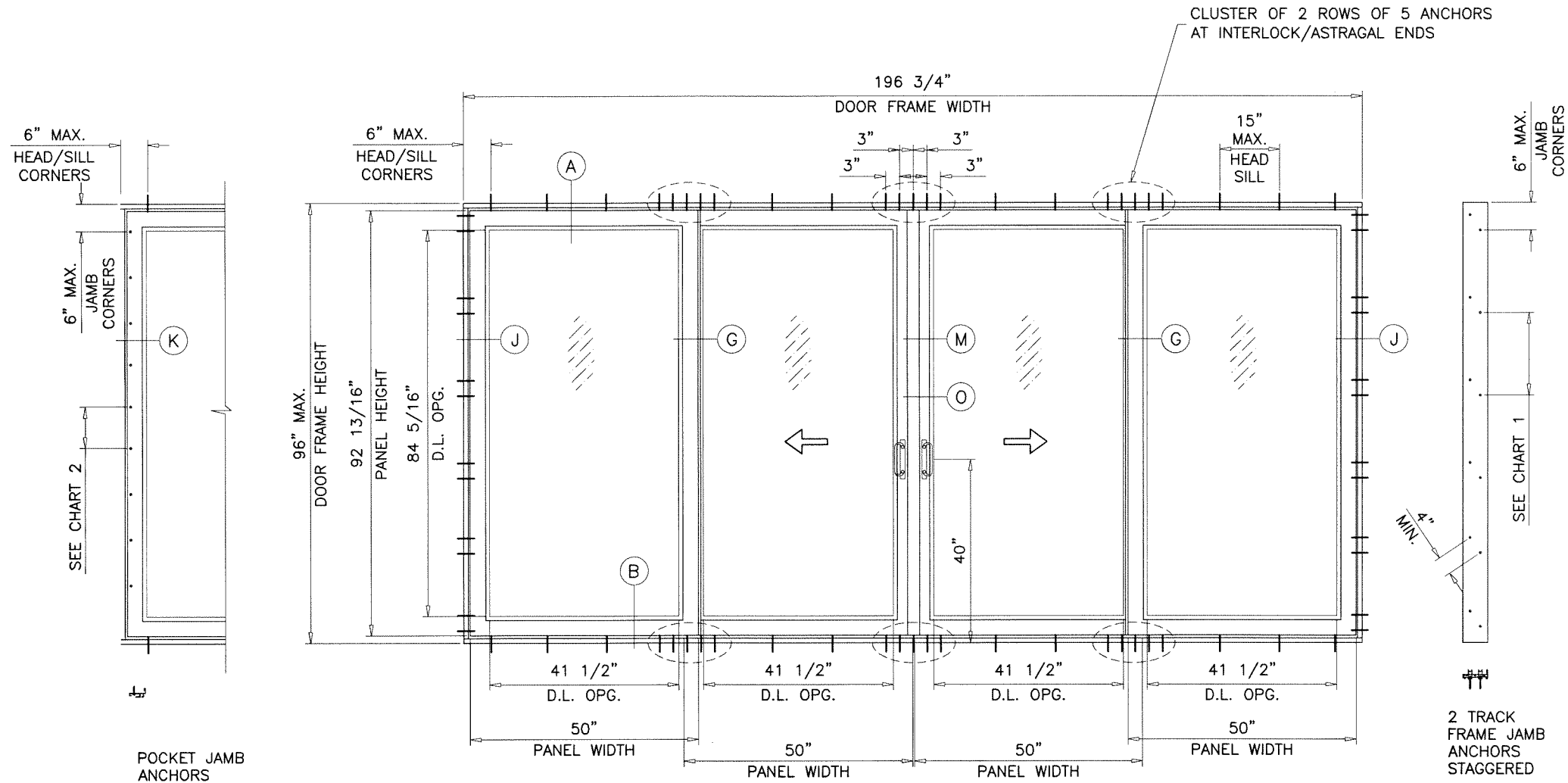
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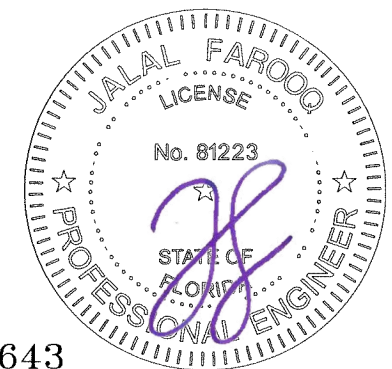
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W18-127

sheet 1 of 18



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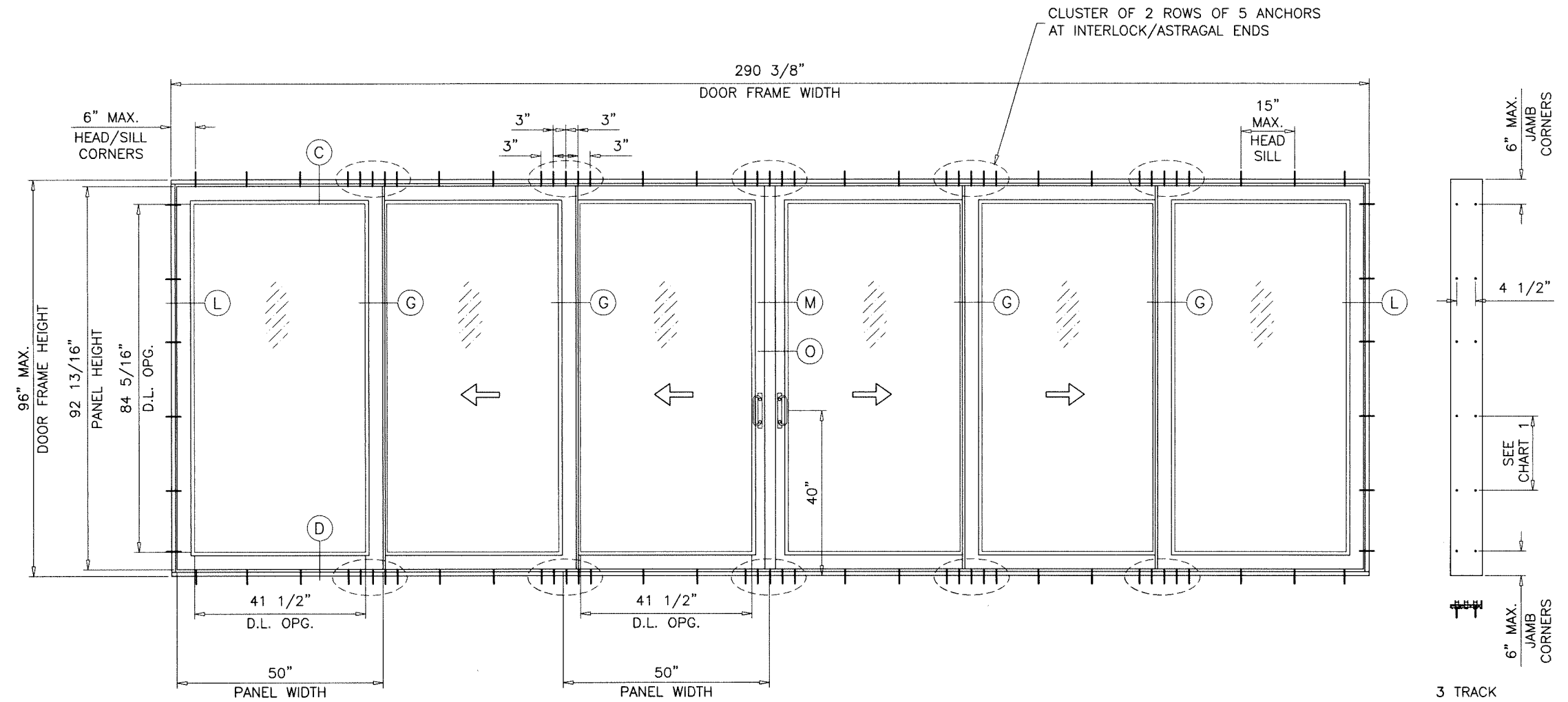
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W18-127
 sheet 2 of 18



TYPICAL ELEVATION

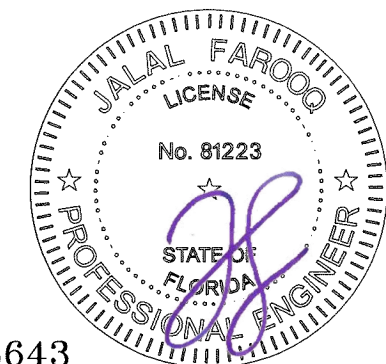
0XX-XXO

3 TRACK
FRAME JAMB
ANCHORS
IN-LINE

SEE SHEET 2
FOR POCKET JAMB
ANCHORS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

Sealed: 9/22/2026



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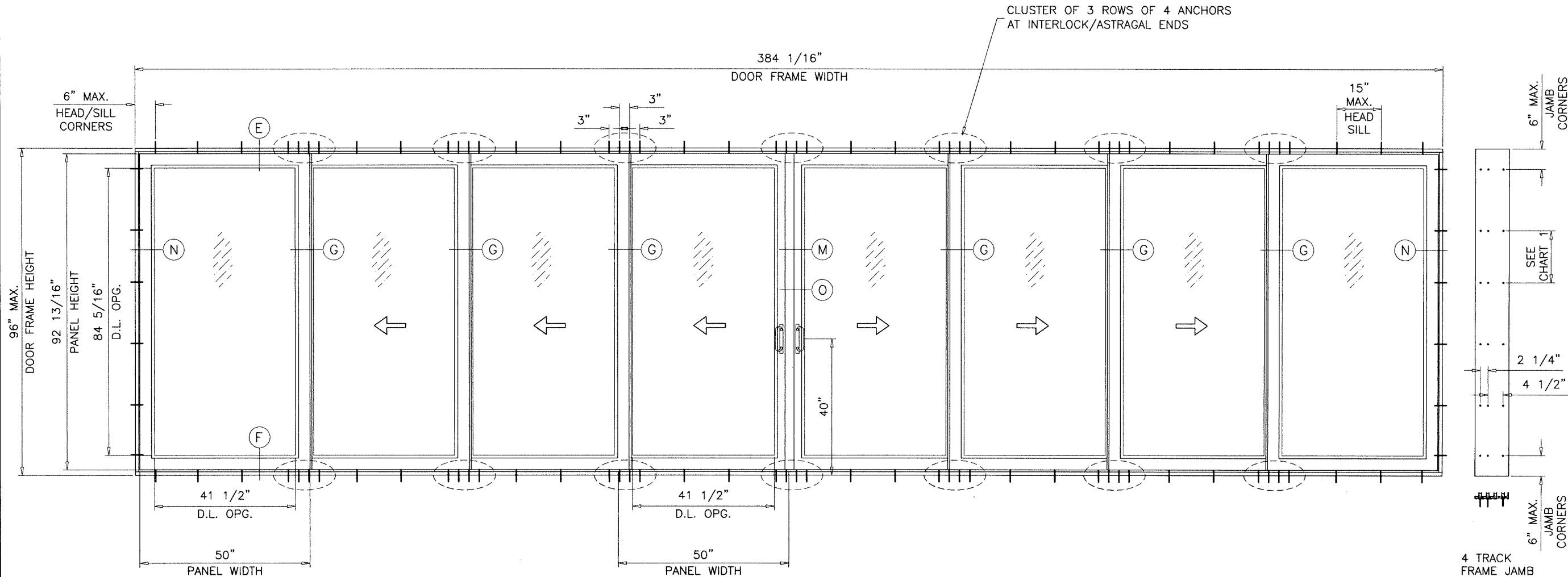
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chk. by:	

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W18-127

sheet 3 of 18

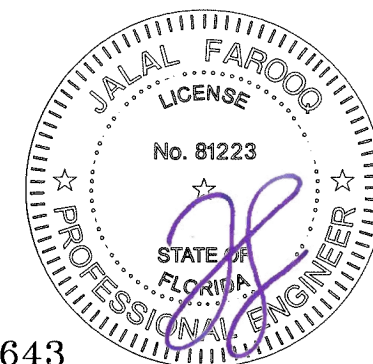
COMP-ANL\W18-127\VINCO



TYPICAL ELEVATION
OXXX-XXXO

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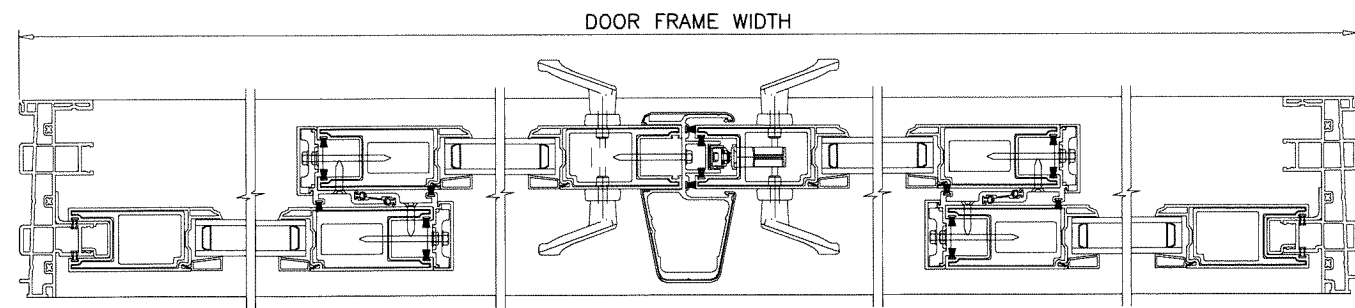
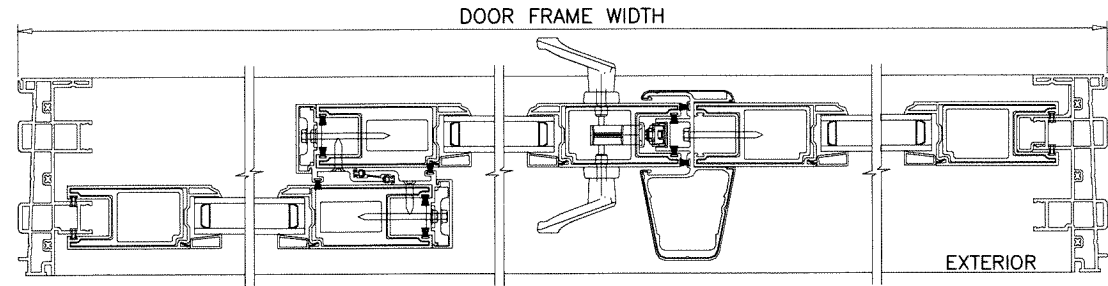
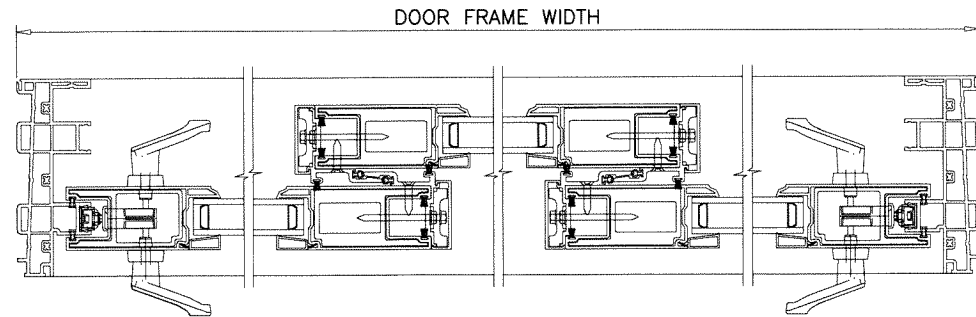
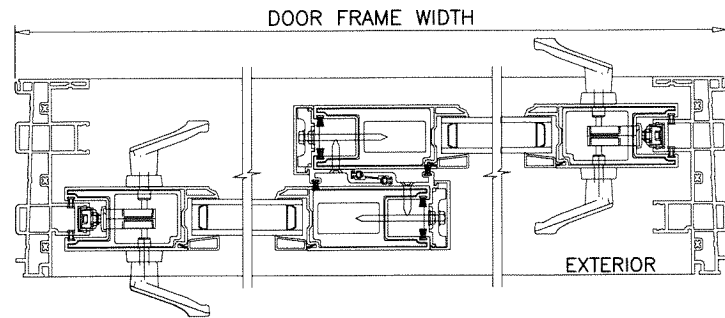
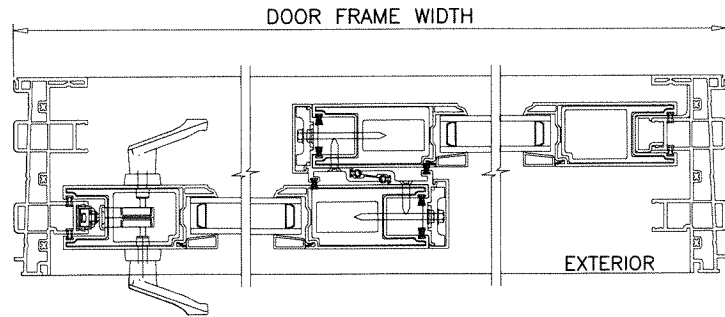
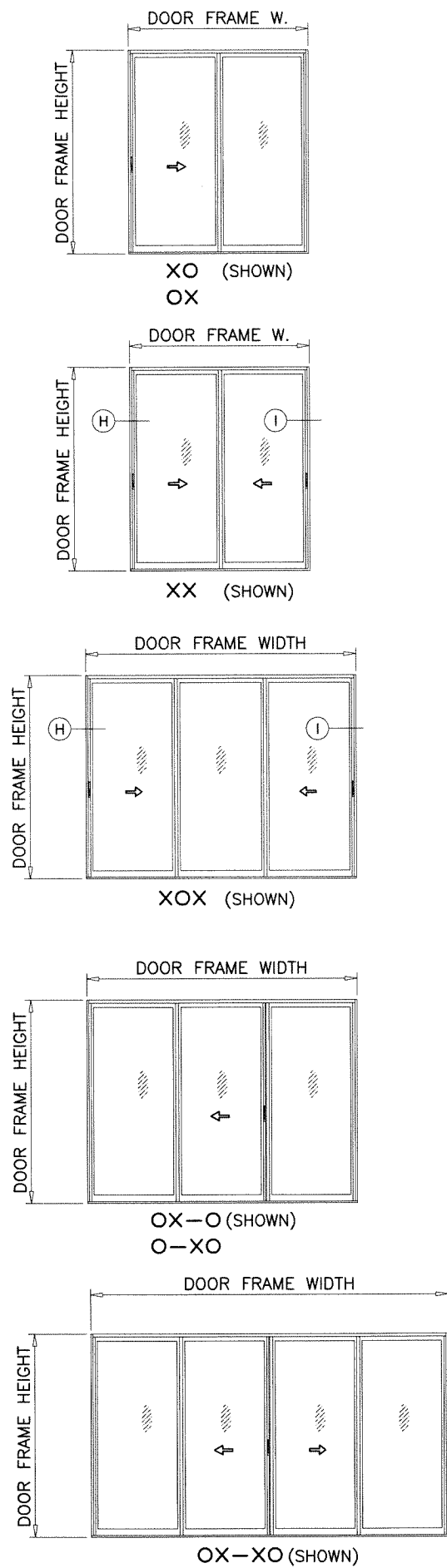
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revisions:	
no	date by description
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sheet 4 of 18

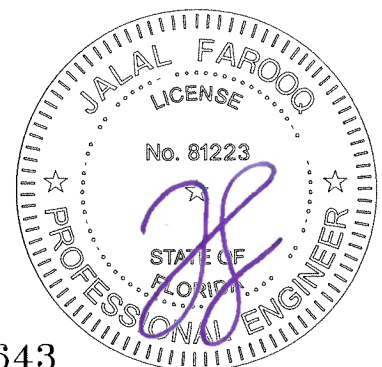


ALTERNATE SIZE UNITS:
MAX. FRAME AREA OF DOORS (NOT INCLUDING POCKETS)
NOT TO EXCEED 290.375 SQ. FT.

NOTE:
CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSE ONLY
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2 THRU 4. ADDITIONAL TRACKS OR CONFIGURATIONS MAY ALSO BE
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APPROVED CONFIGURATIONS
NON-POCKETED DOORS
TWO (2) TRACKS

Sealed: 9/22/2026



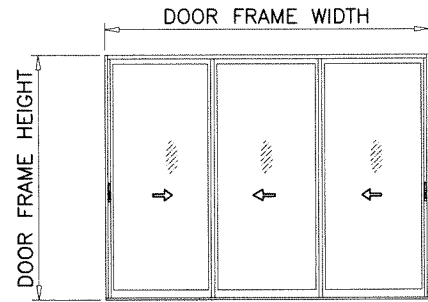
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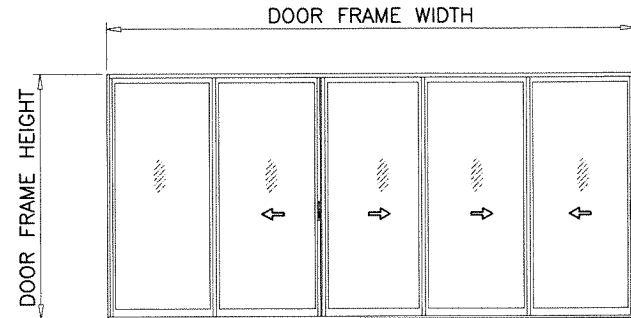
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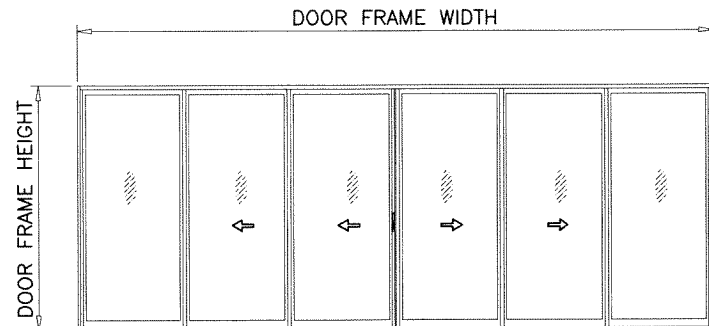
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sheet	5 of 18				



XXX (SHOWN)
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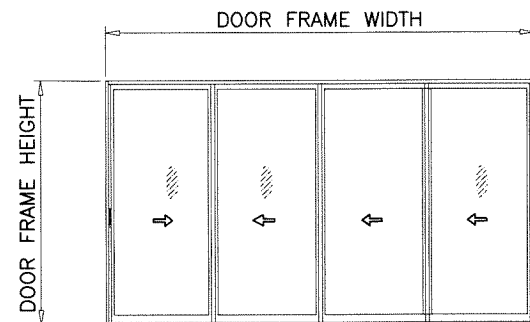


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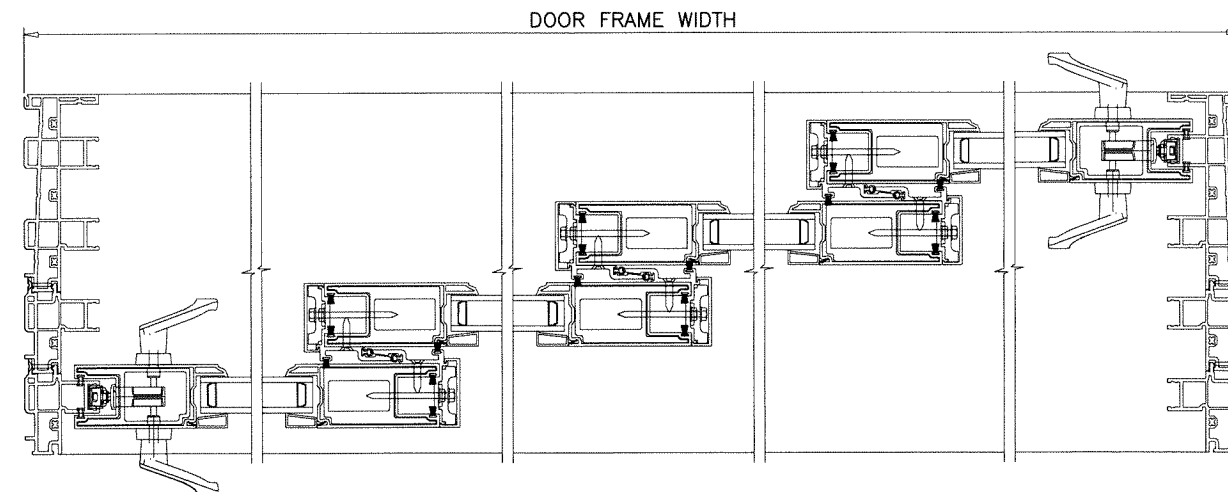
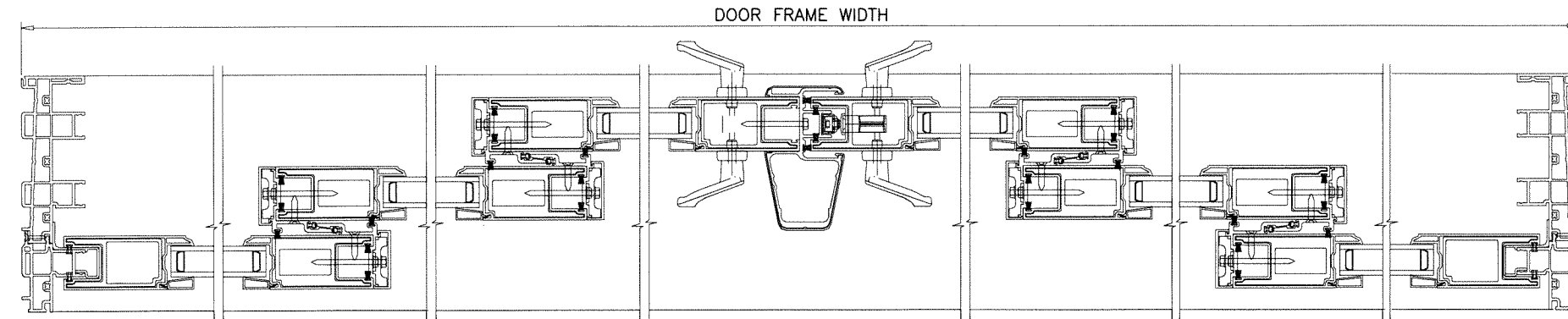
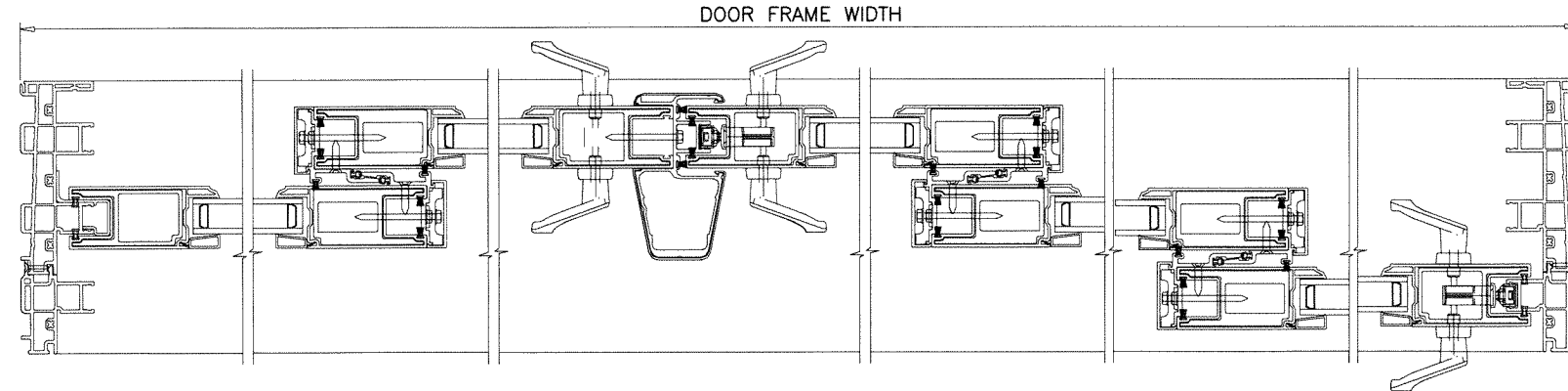
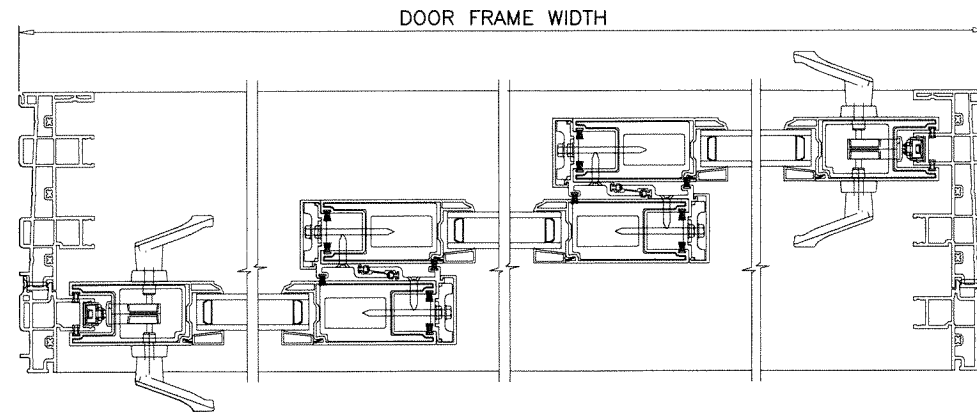
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APPROVED CONFIGURATIONS
NON-POCKETED DOORS
THREE (3) TRACKS



XXXX (SHOWN)
XXXXO
OXXX

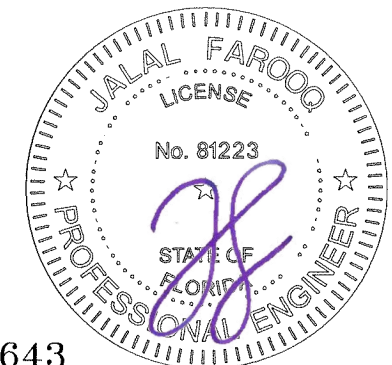
APPROVED CONFIGURATIONS
NON-POCKETED DOORS
FOUR (4) TRACKS



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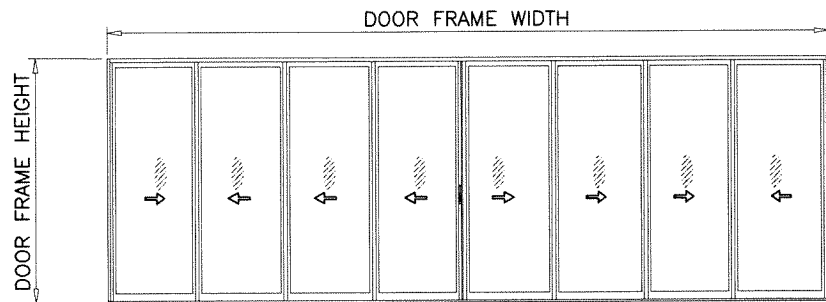
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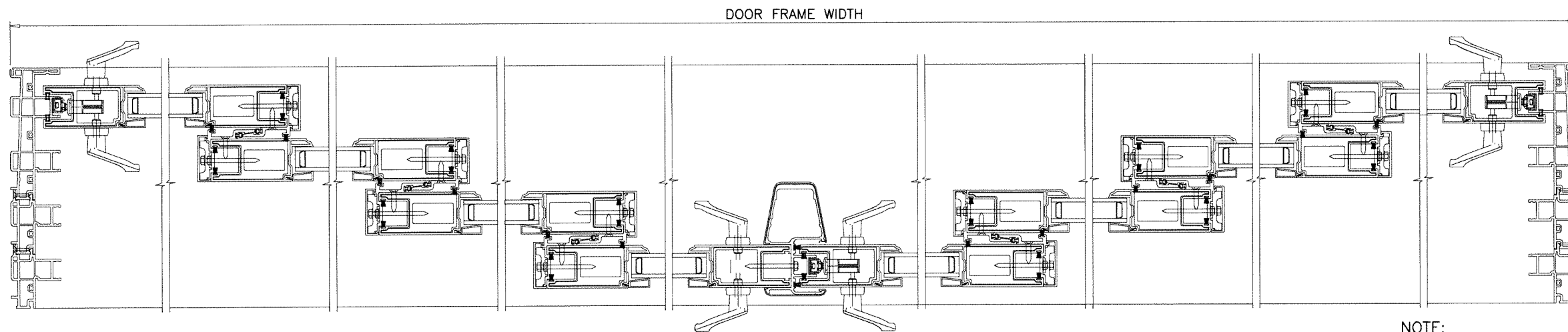
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W18-127
sheet 6 of 18



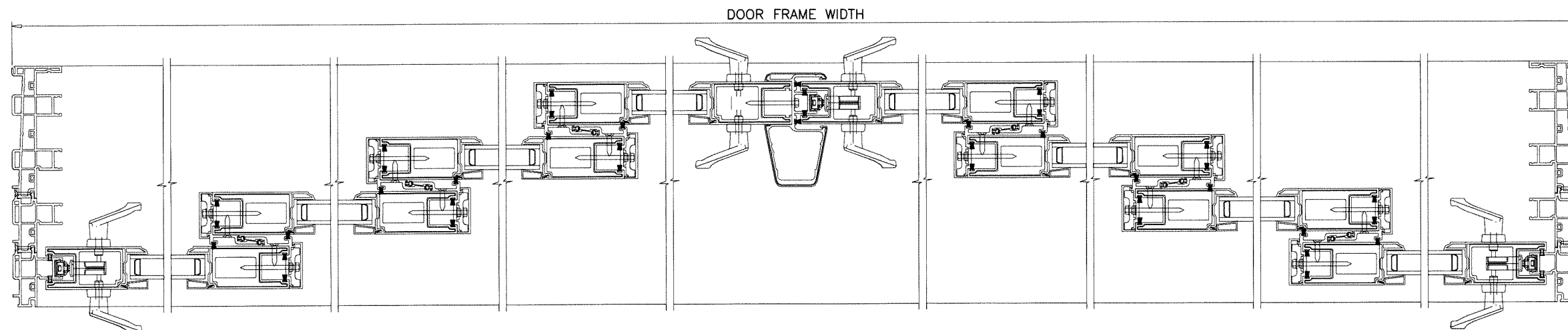
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 OXXX-XXXX
 OXXX-XX XO

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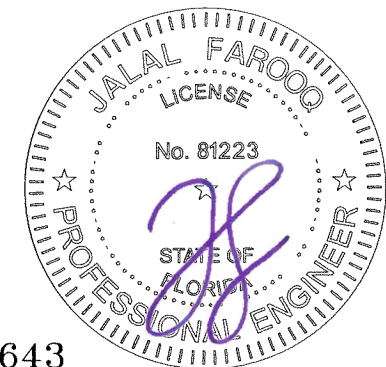
NOTE:
 CONFIGURATION REVERSAL APPLIES
 TO ALL NON POCKETED OPTIONS



APPROVED CONFIGURATIONS
 NON-POCKETED DOORS
 FOUR (4) TRACKS

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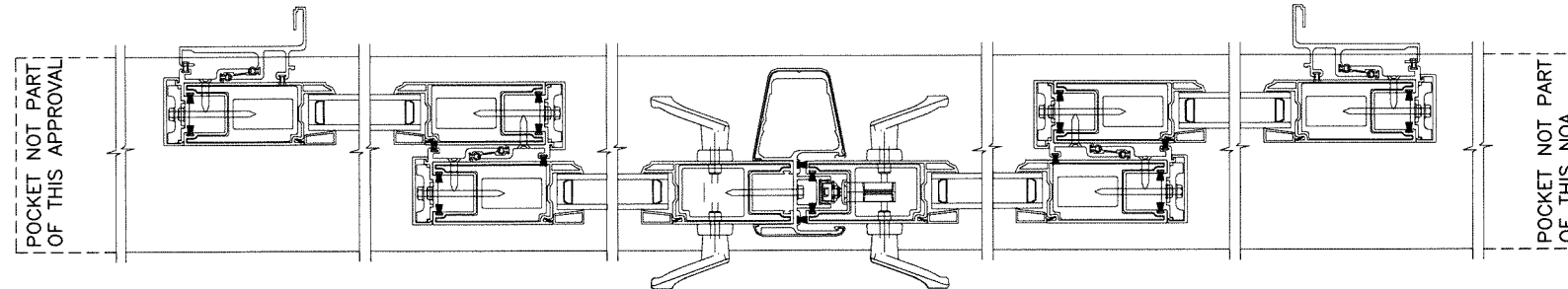
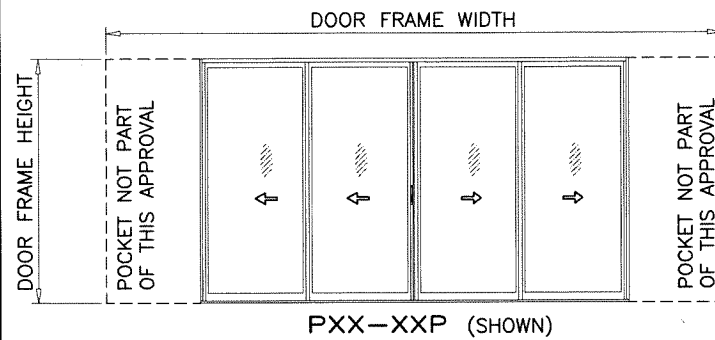
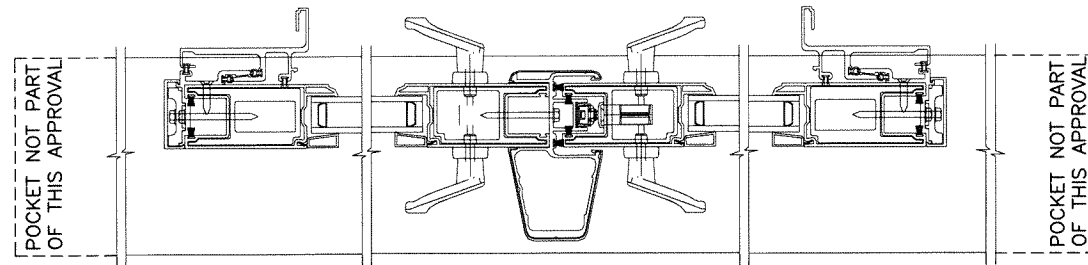
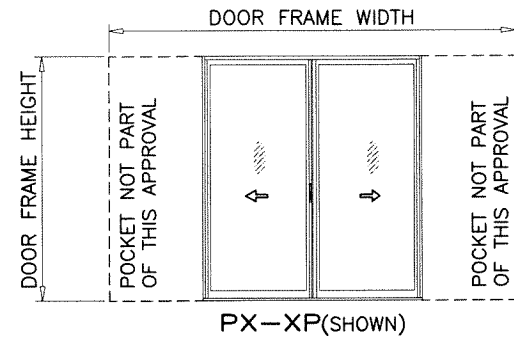
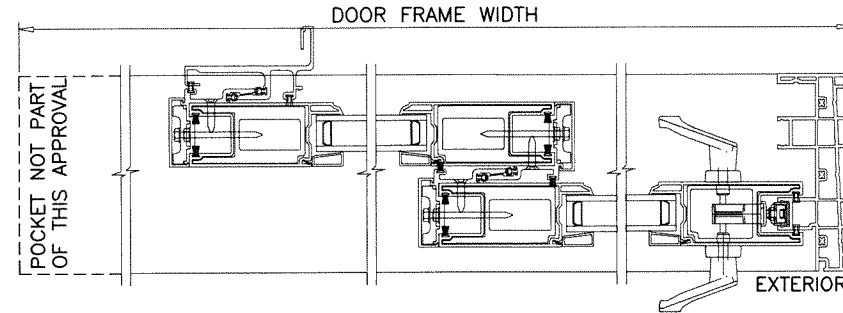
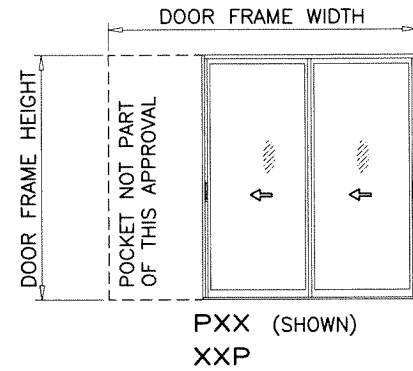
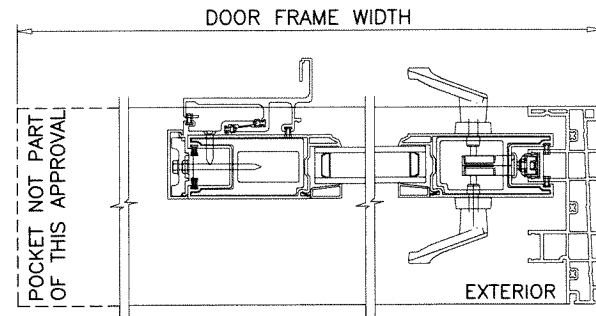
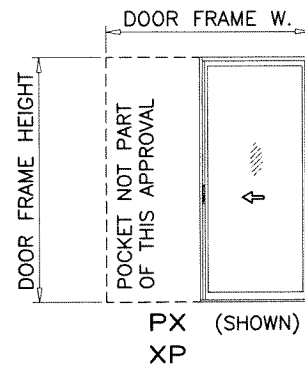
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no	description
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drawing no.	sheet 7 of 18
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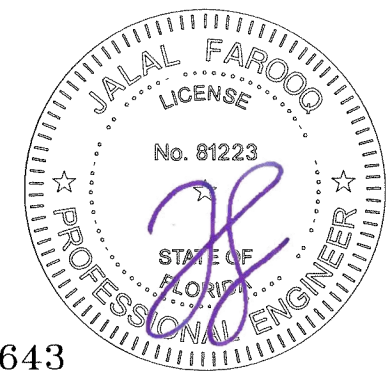
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APPROVED CONFIGURATIONS
POCKETED DOORS
TWO (2) TRACKS

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TEL. (305) 264-8100

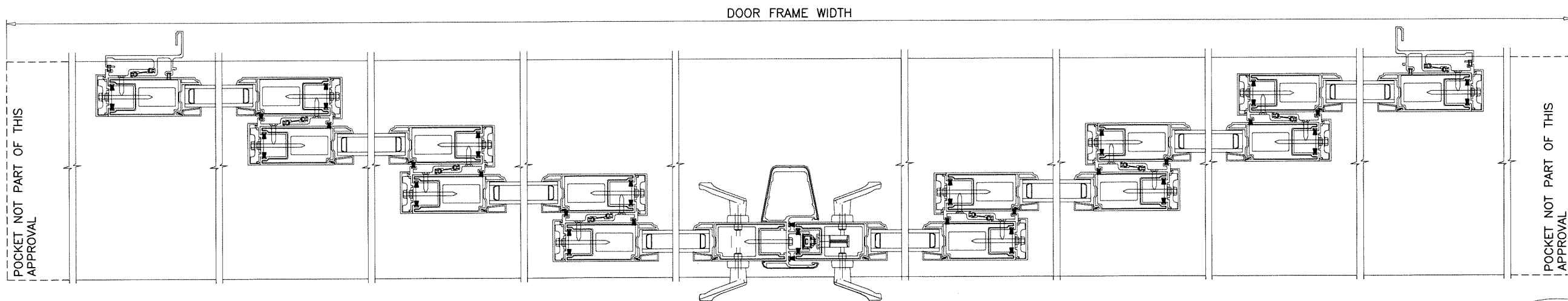
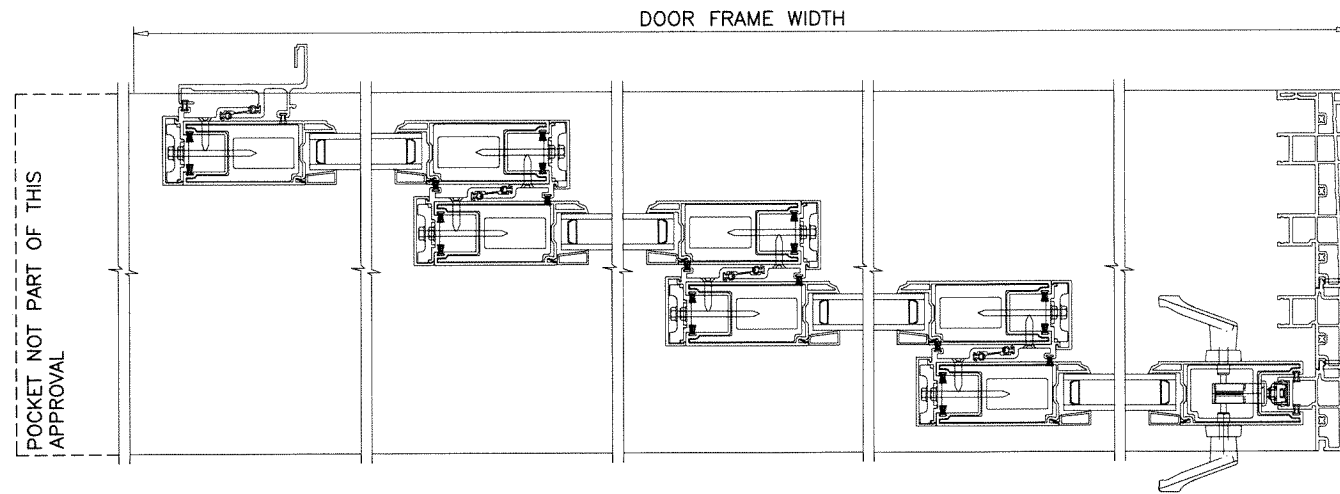
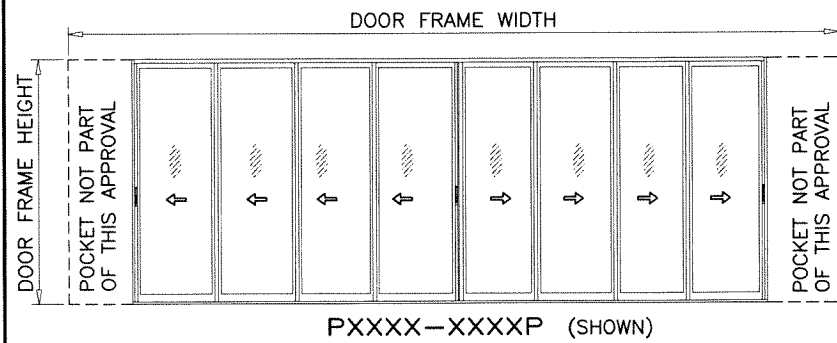
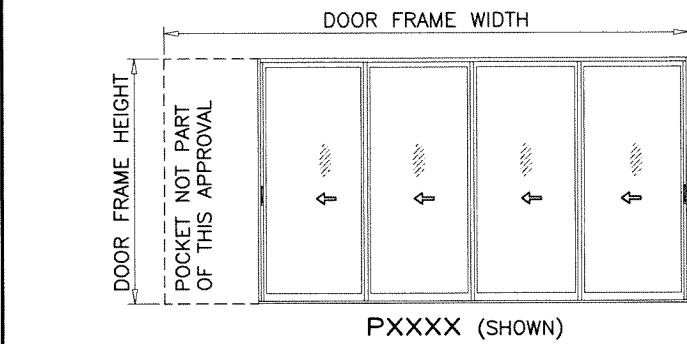
af c
(C.A.N. 3538)
FAX. (305) 262-6978

COMP-ANL\W18-127\WINCO

SERIES '650' PVC SLIDING GLASS DOOR (N.I.)

VIWINCO, INC.
P.O. BOX 499
MORGANTOWN, PA. 15433
TEL. (610) 286-8884 FAX. (610) 286-8885

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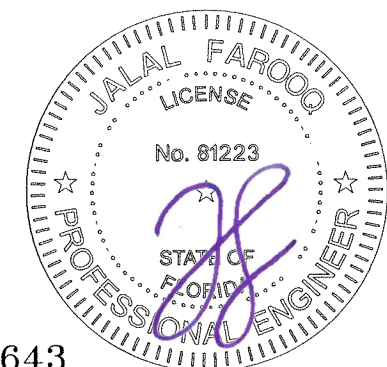
ALTERNATE SIZE UNITS:
 MAX. FRAME AREA OF DOORS (NOT INCLUDING POCKETS)
 NOT TO EXCEED 290.375 SQ. FT.

NOTE:
 CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSE ONLY
 (SEE APPLICABLE ANCHOR INSTALLATIONS IN SHEETS 11 THRU 16)
 SEE APPLICABLE ELEVATION FOR ANCHOR LOCATION IN SHEETS
 2 THRU 4. ADDITIONAL TRACKS OR CONFIGURATIONS MAY ALSO BE
 QUALIFIED BASED ON THOSE SHOWN ON A JOB BY JOB BASIS.

APPROVED CONFIGURATIONS
 POCKETED DOORS
 FOUR (4) TRACKS

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FL #28643



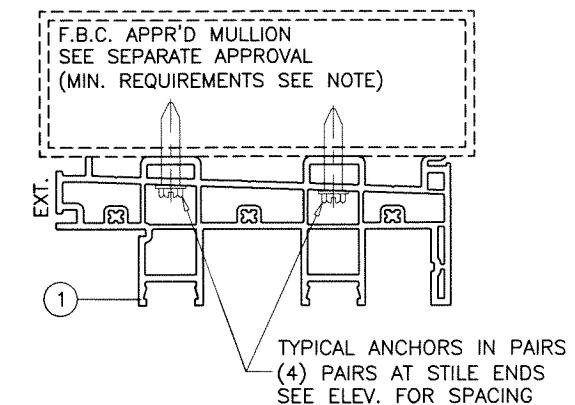
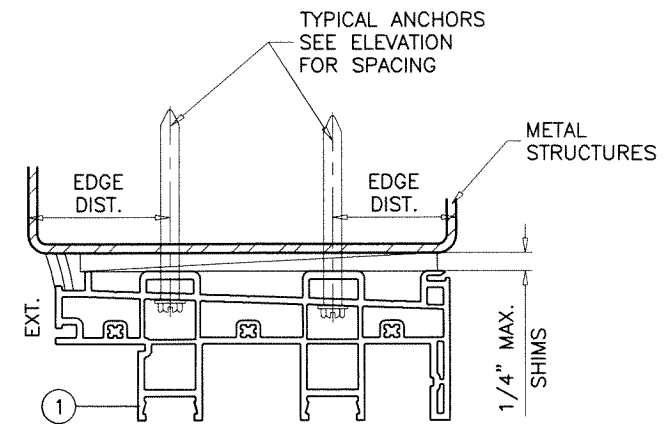
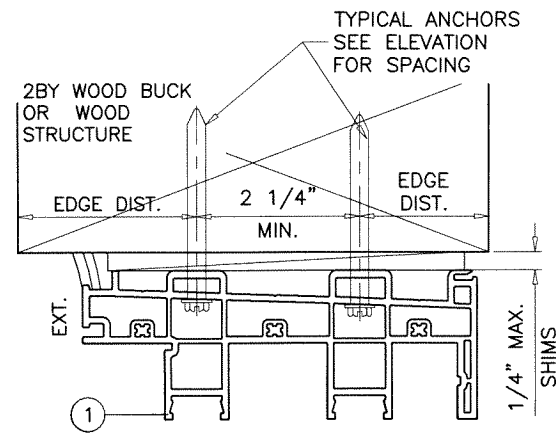
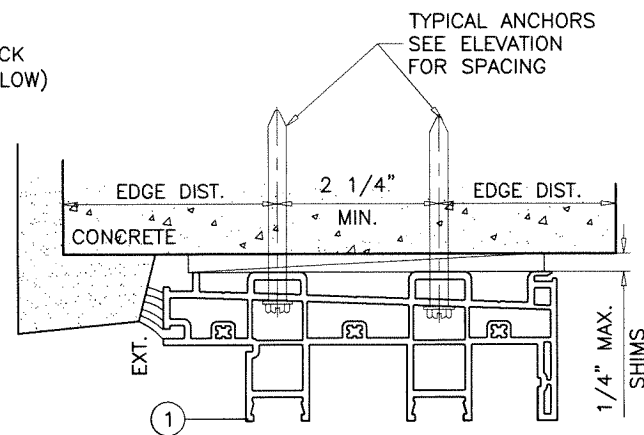
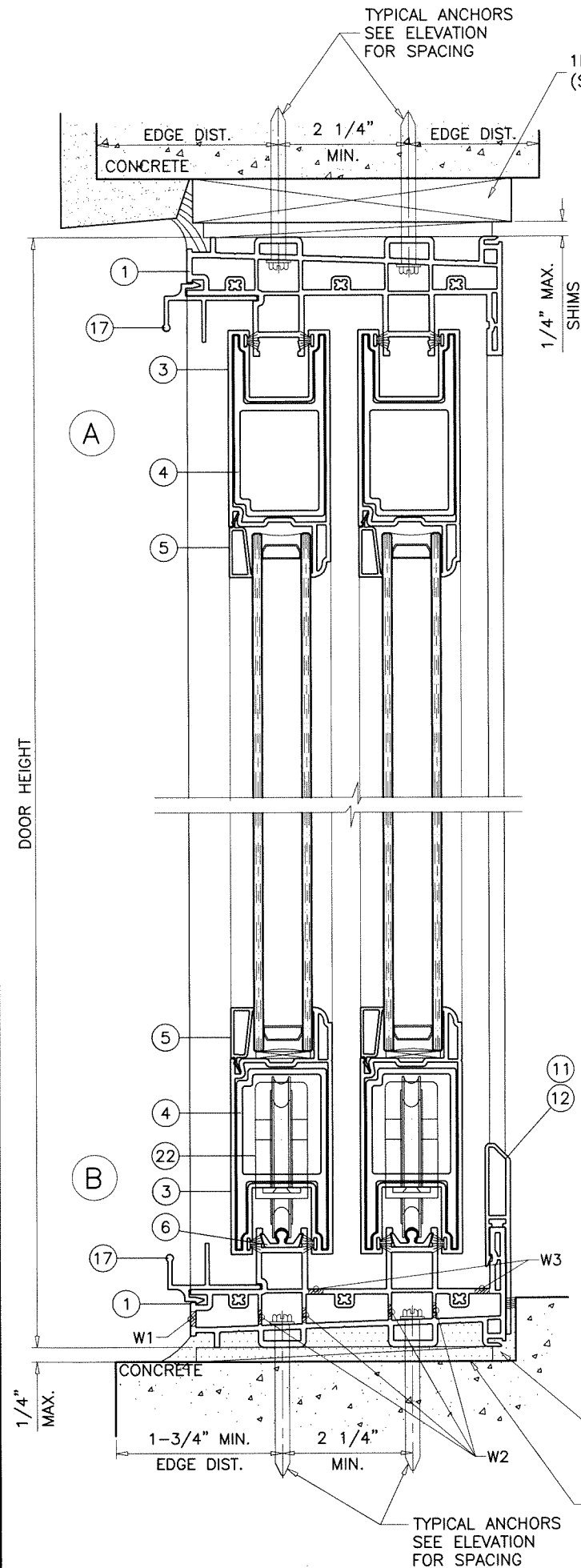
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES '650' PVC SLIDING GLASS DOOR (N.I.)

VIWINCO, INC.
 P.O. BOX 499
 MORGANTOWN, PA. 19543
 TEL. (610) 286-8884 FAX. (610) 286-8877

revisions:	
no	description
A	11.27.20 ML UPDATED TO 2020 FBC

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drawing no.		sheet 10 of 18	



1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY VIWINCO MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'— 1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)
 THRU 1BY BUCKS INTO CONCRETE
 1-3/8" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 DIRECTLY INTO CONCRETE
 1-3/8" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

TYPE 'A1'— 1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)
 THRU 1BY BUCKS INTO MASONRY
 1-3/8" MIN. EMBED INTO MASONRY (JAMBS)
 DIRECTLY INTO MASONRY
 1-3/8" MIN. EMBED INTO MASONRY (JAMBS)

TYPE 'B'— #12 SMS OR SELF DRILLING SCREWS. (GRADE 2 CRS) (Fu=74 KSI, Fy=57 KSI)
 INTO F.B.C. APPROVED MULLIONS (1/8" THK. MIN.)
 INTO METAL STRUCTURES
 STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.) (HEAD/JAMBS)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.) (HEAD/JAMBS)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

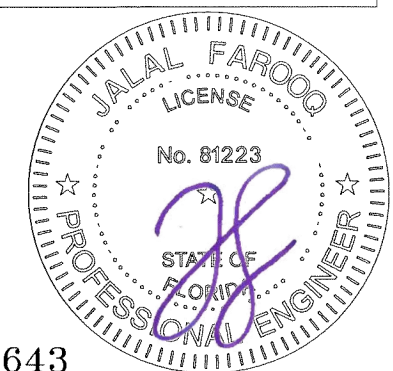
TYPE 'C'— #12 WOOD SCREW
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 1 3/4" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD 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.

2 TRACK FRAMES
 ANCHOR LOCATIONS



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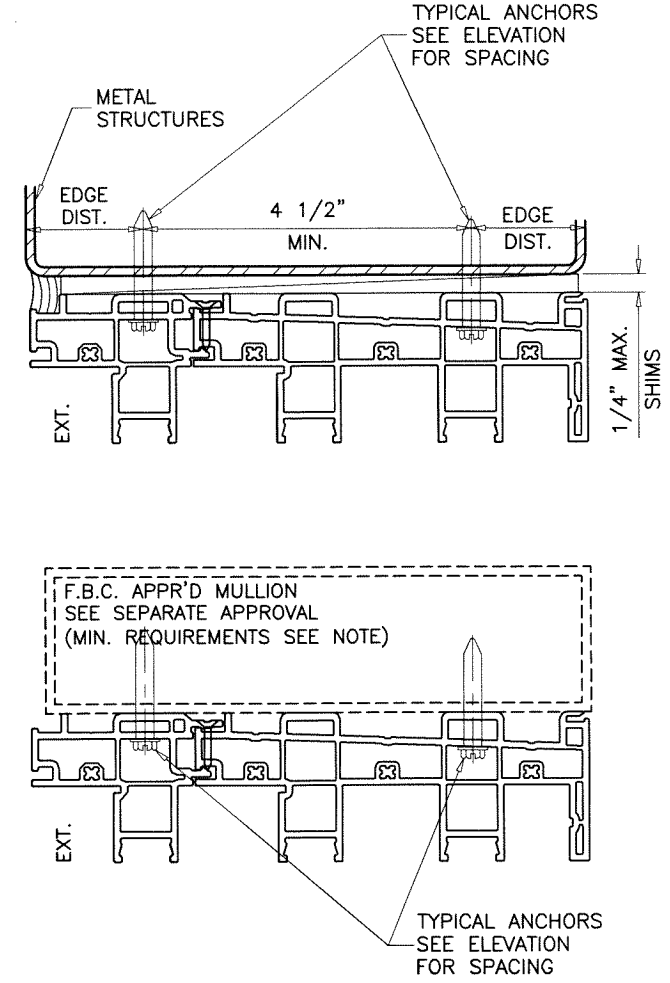
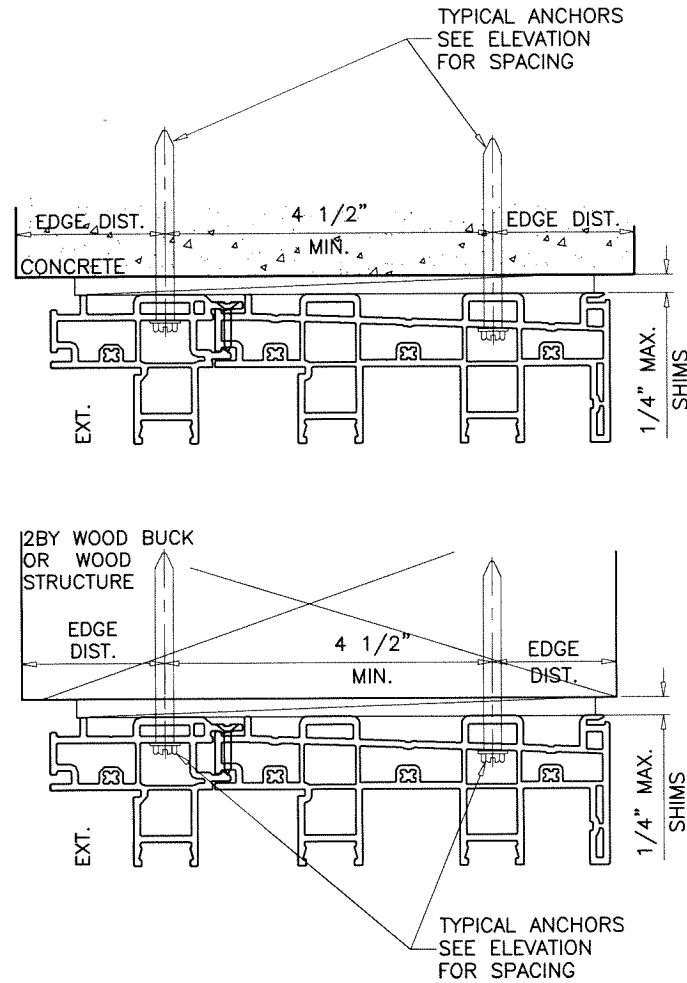
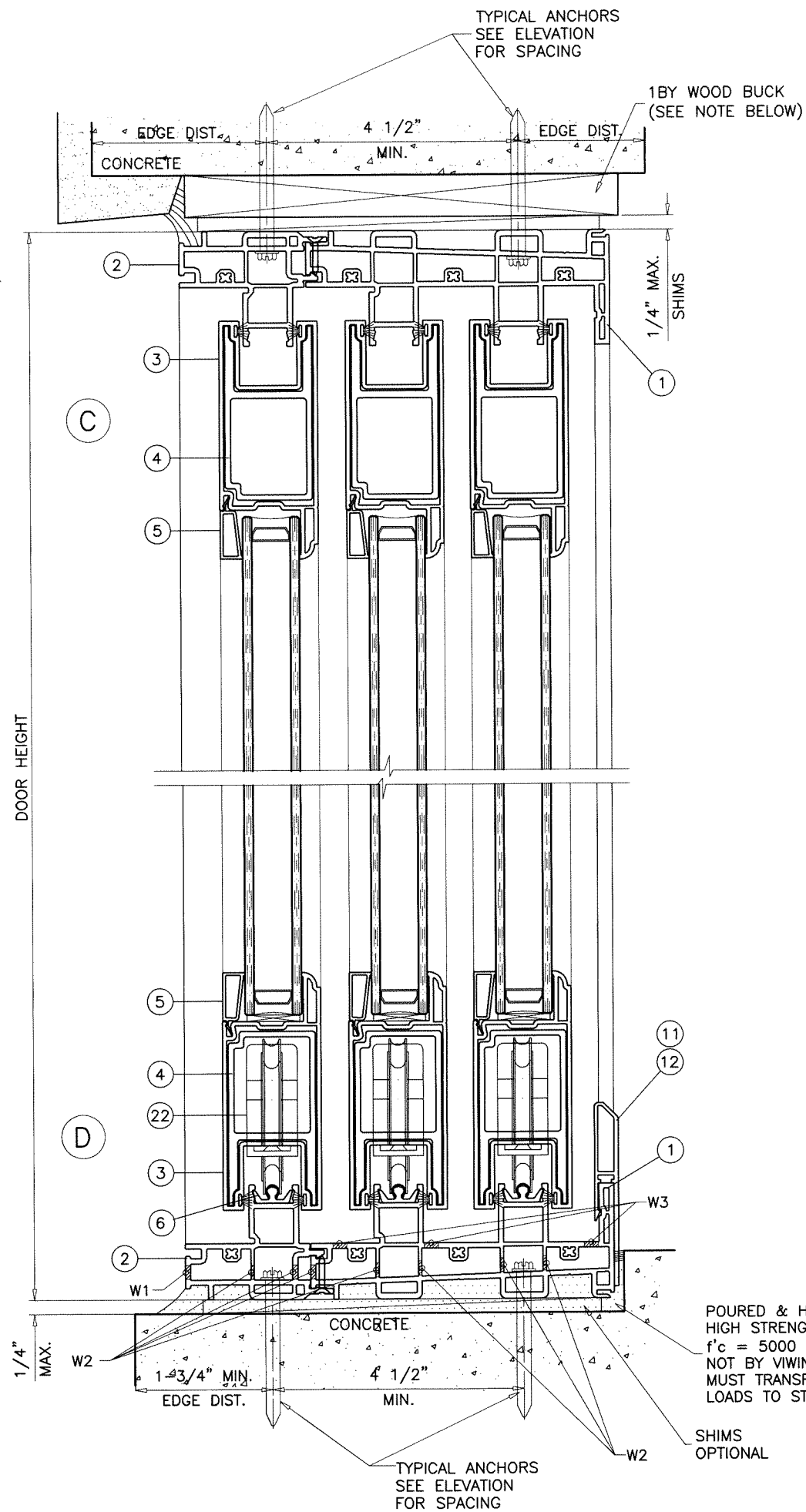
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W18-127/VINCO

SERIES '650' PVC SLIDING GLASS DOOR (N.I.)

VIWINCO, INC.

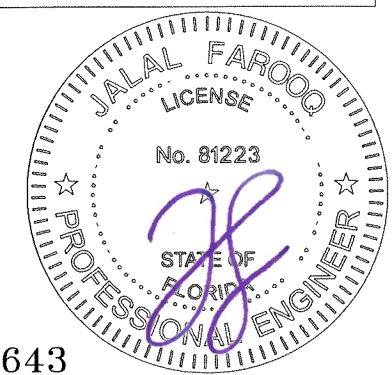
P.O. BOX 499
 MORGANTOWN, PA. 19543
 TEL. (610) 286-8884 FAX. (610) 286-8877

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no	date	by	description		
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sheet		11 of 18			



Sealed: 9/22/2026

3 TRACK FRAMES
ANCHOR LOCATIONS



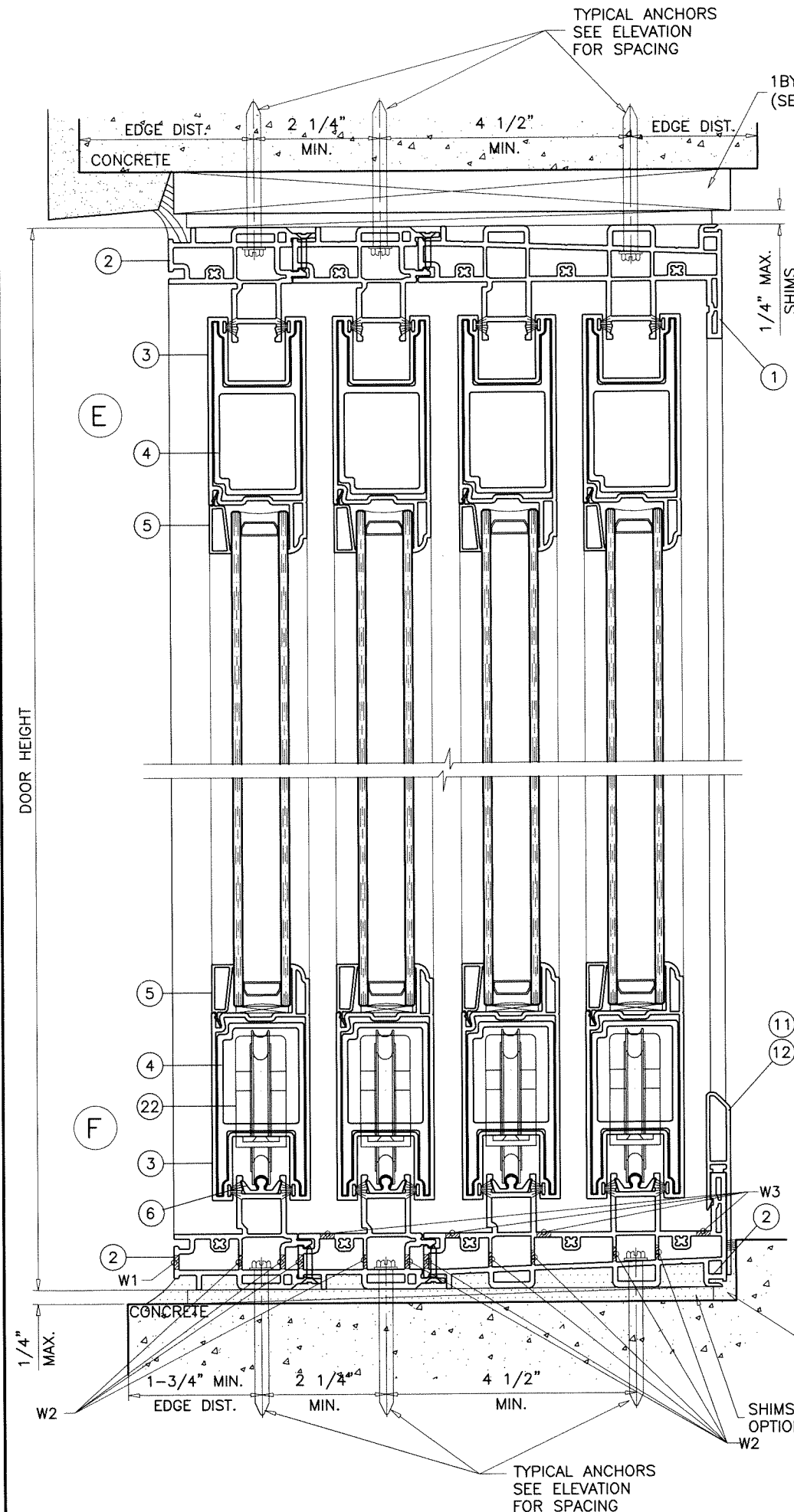
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AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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sheet 12 of 18					



POURED & HARDENED
HIGH STRENGTH GROUT
f'c = 5000 PSI MIN.
NOT BY VIWINCO
MUST TRANSFER SHEAR
LOADS TO STRUCTURE

SHIMS
OPTIONAL

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W3

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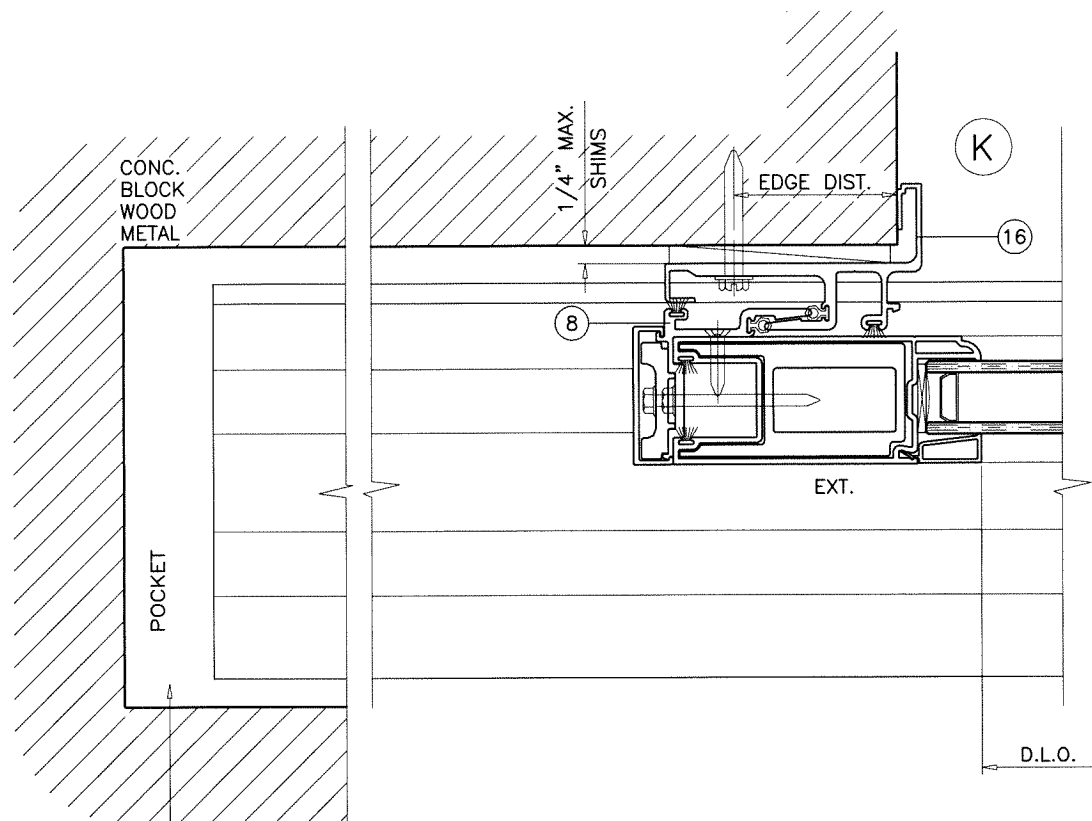
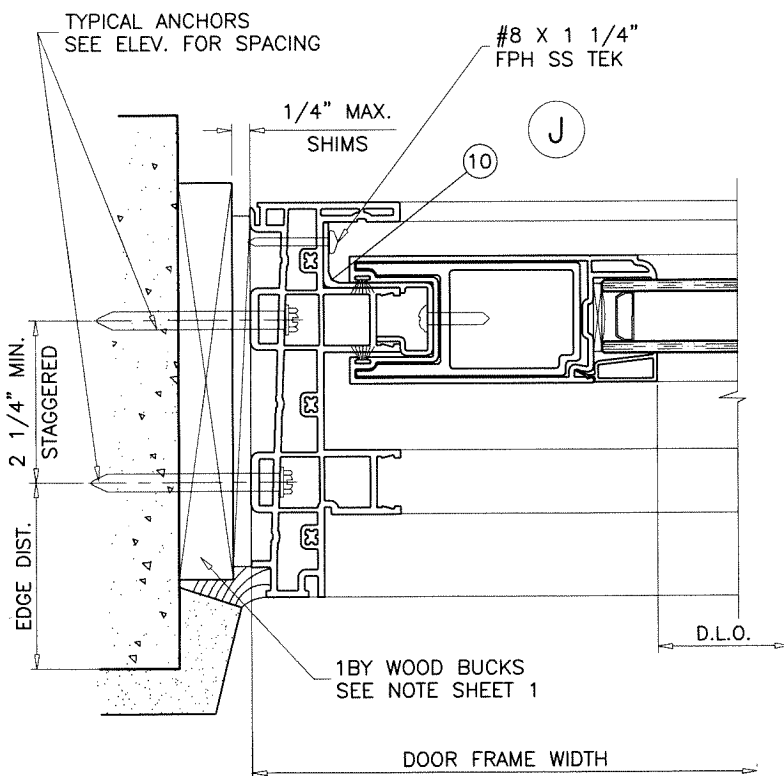
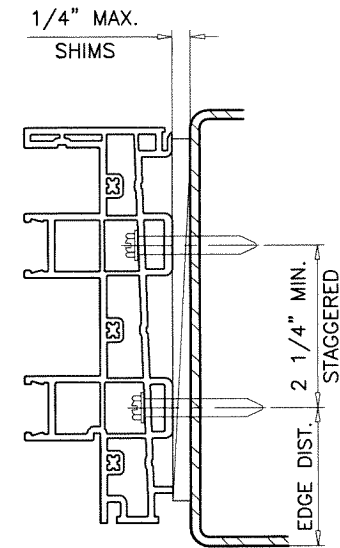
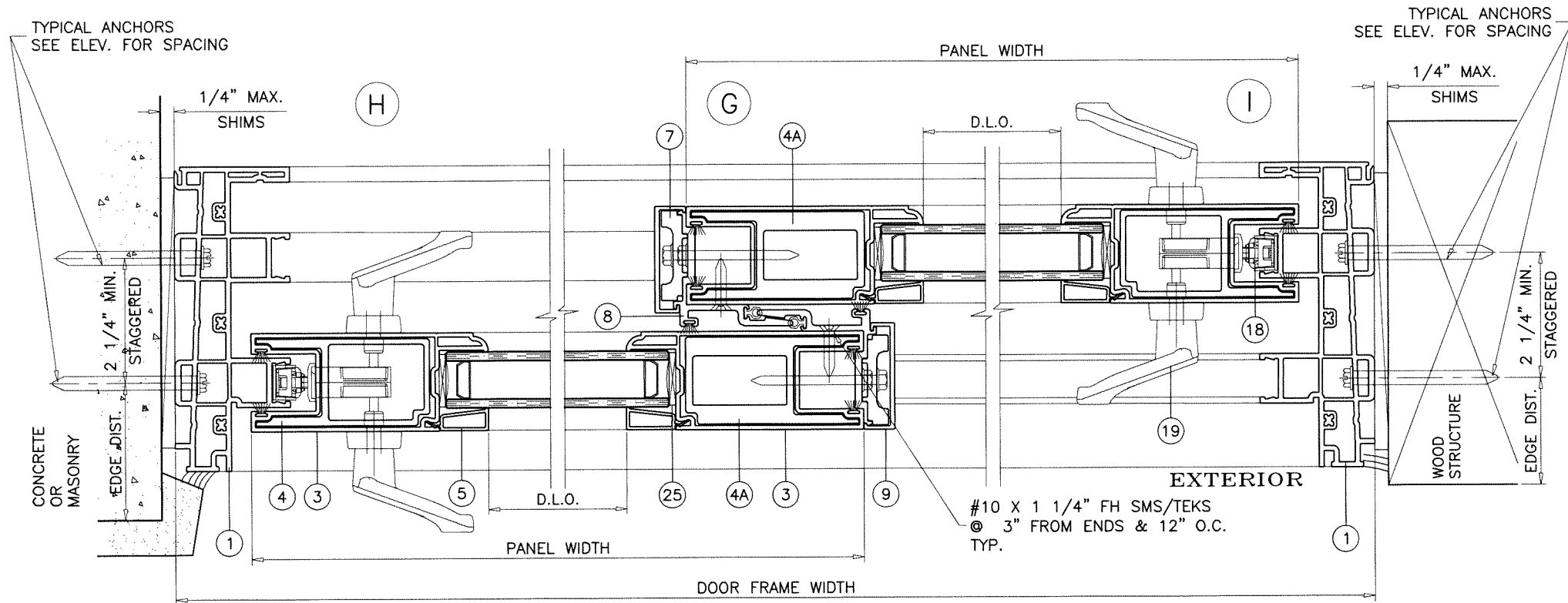
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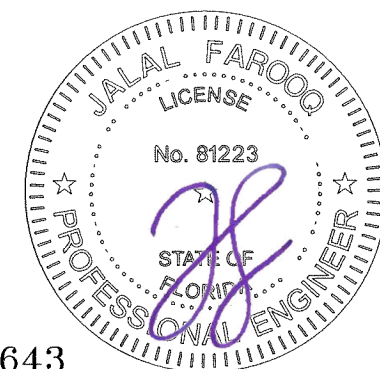


POCKETED JAMB OPTION

POCKET CAVITY NOT BY VIWINCO
NOT PART OF THIS APPROVAL
TO BE REVIEWED BY AHJ

Sealed: 9/22/2026

FL #28643



SERIES '650' PVC SLIDING GLASS DOOR (N.I.)

VIWINCO, INC.

P.O. BOX 499
MORGANTOWN, PA. 19543

TEL. (610) 286-8884 FAX. (610) 286-8877

revisions:

no	date	by	description
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date: 10-23-13

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chk. by:

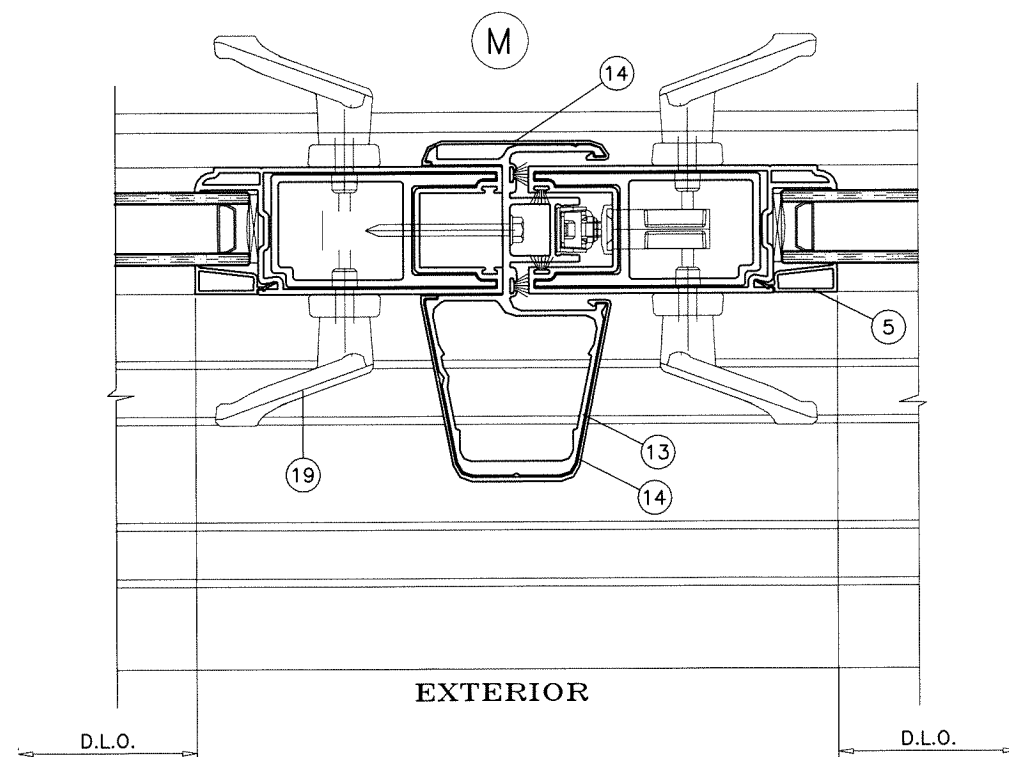
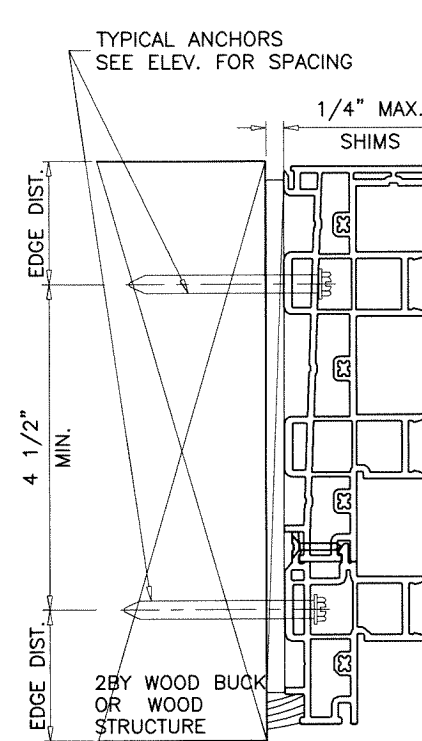
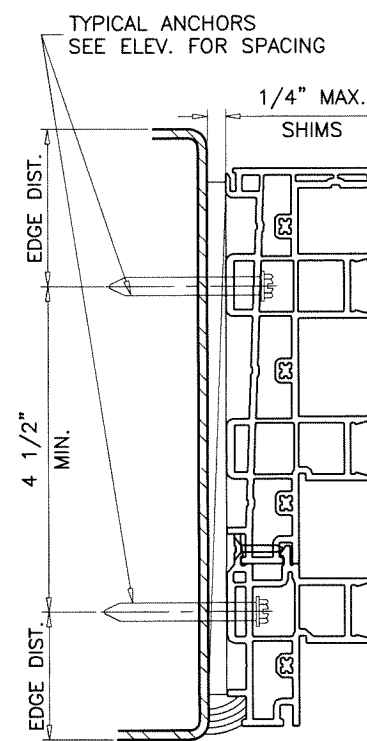
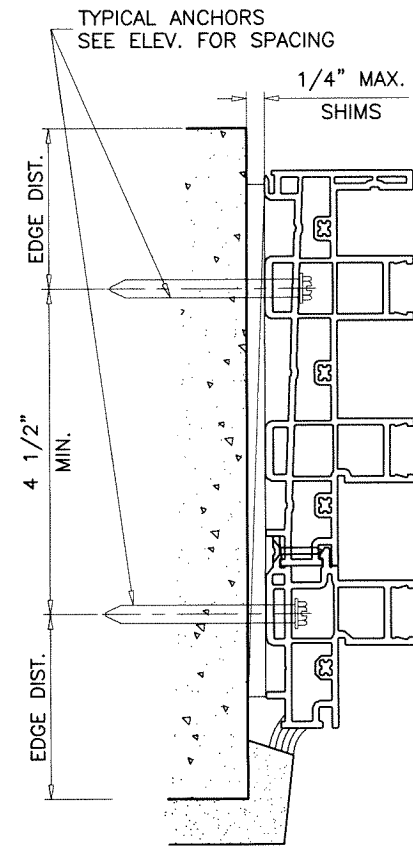
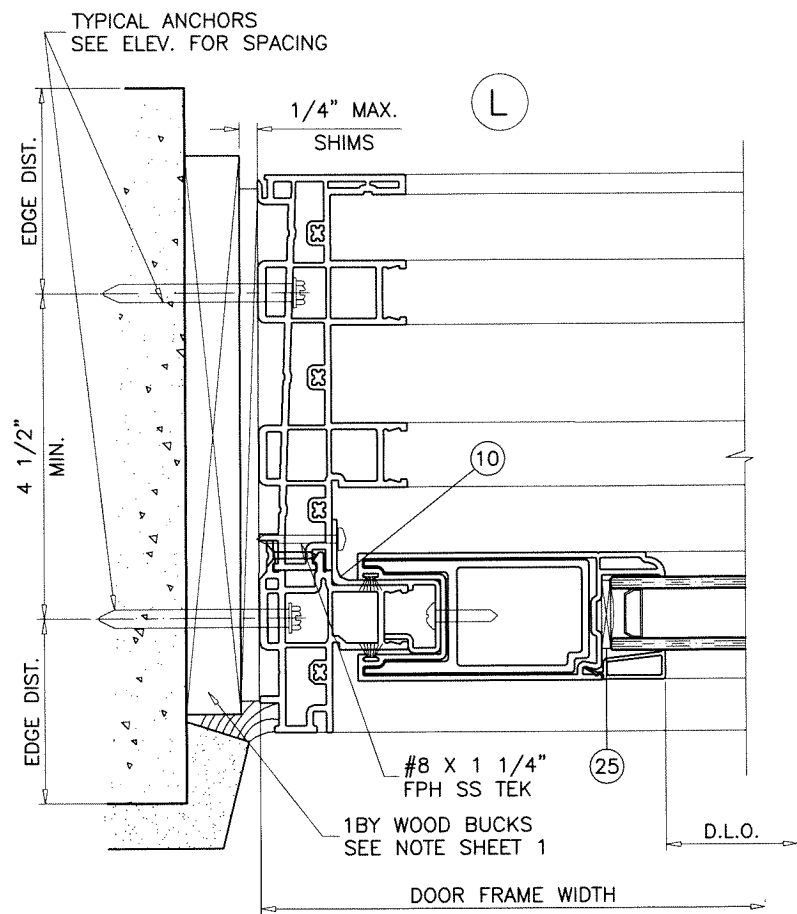
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W18-127

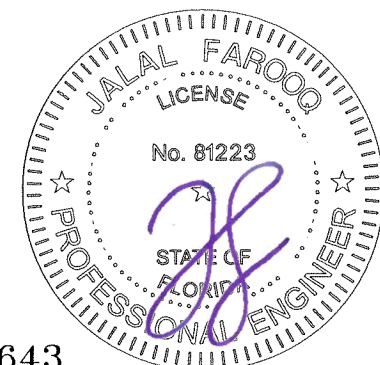
sheet 14 of 18

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)

COMP-ANL\W18-127\VINCO



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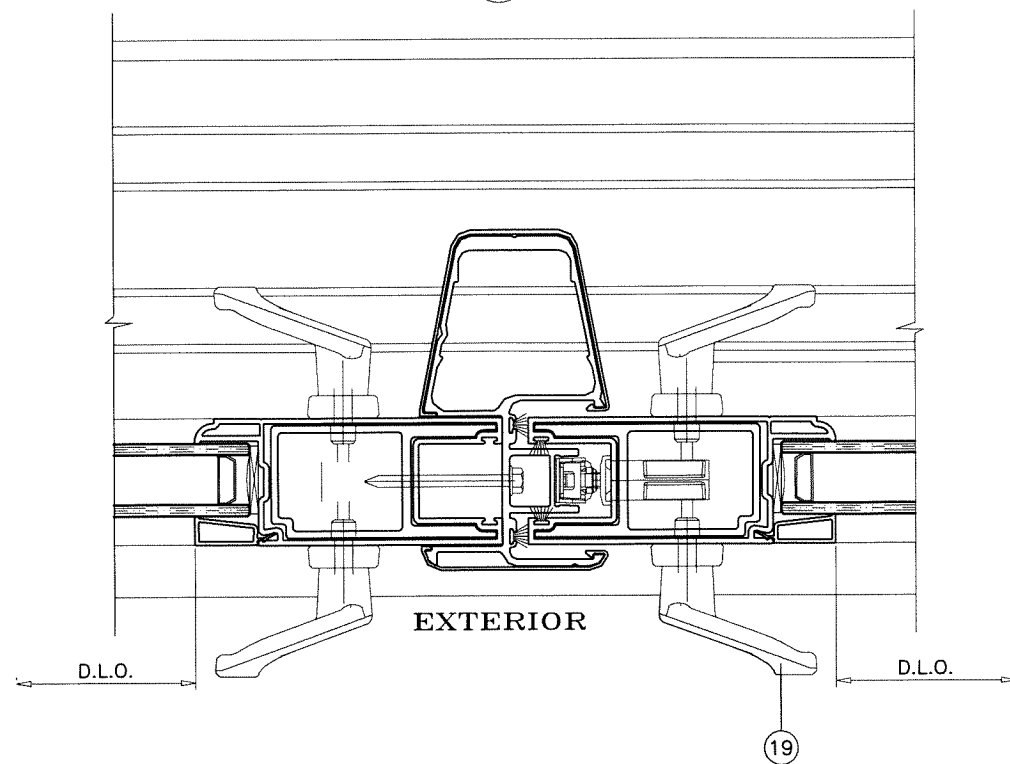
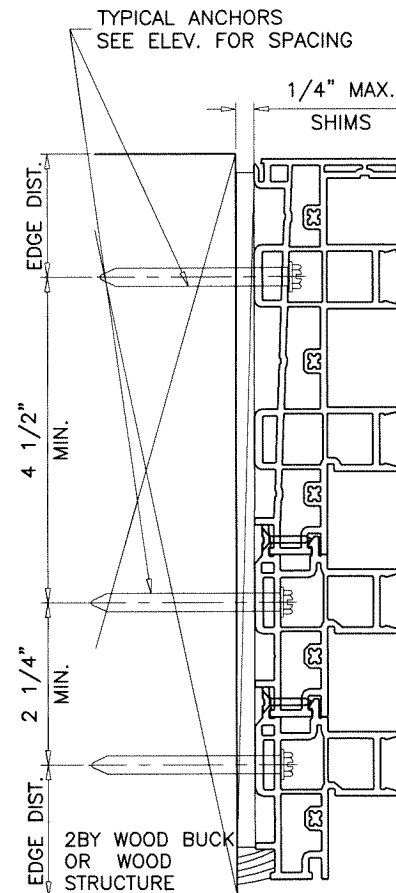
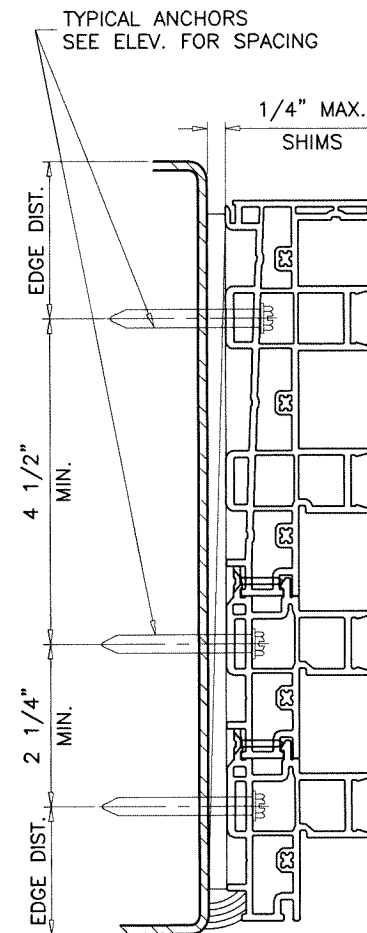
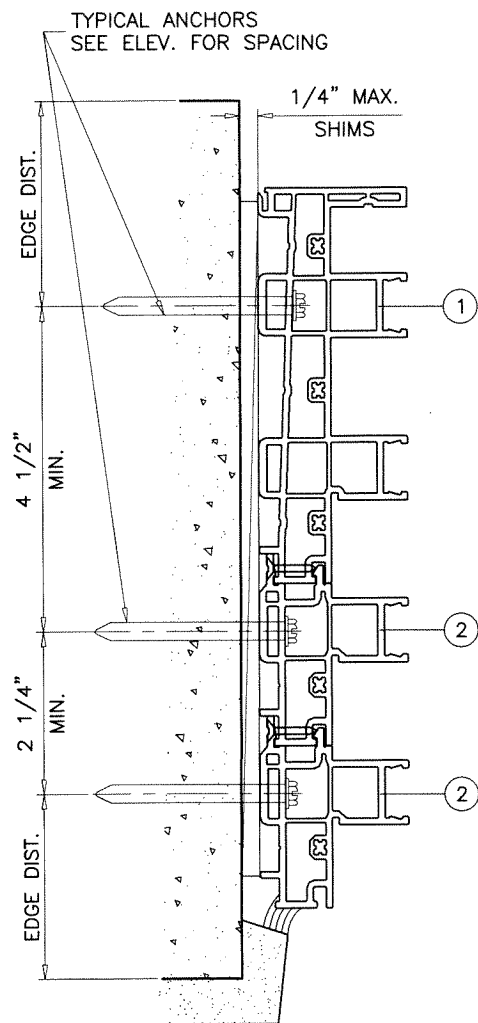
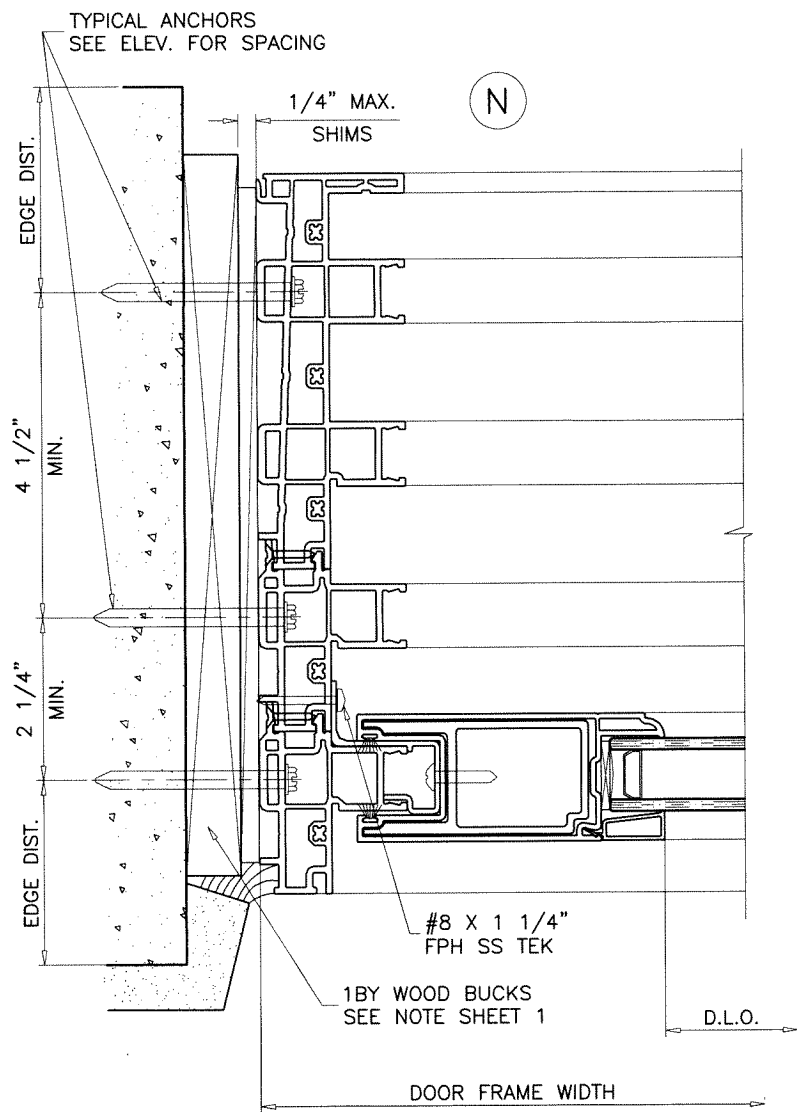
WINCO, INC.
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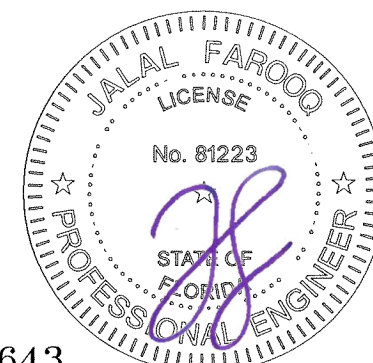
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drawing no.
W18-127
 sheet 15 of 18



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FL #28643

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AL-FAROOQ CORPORATION
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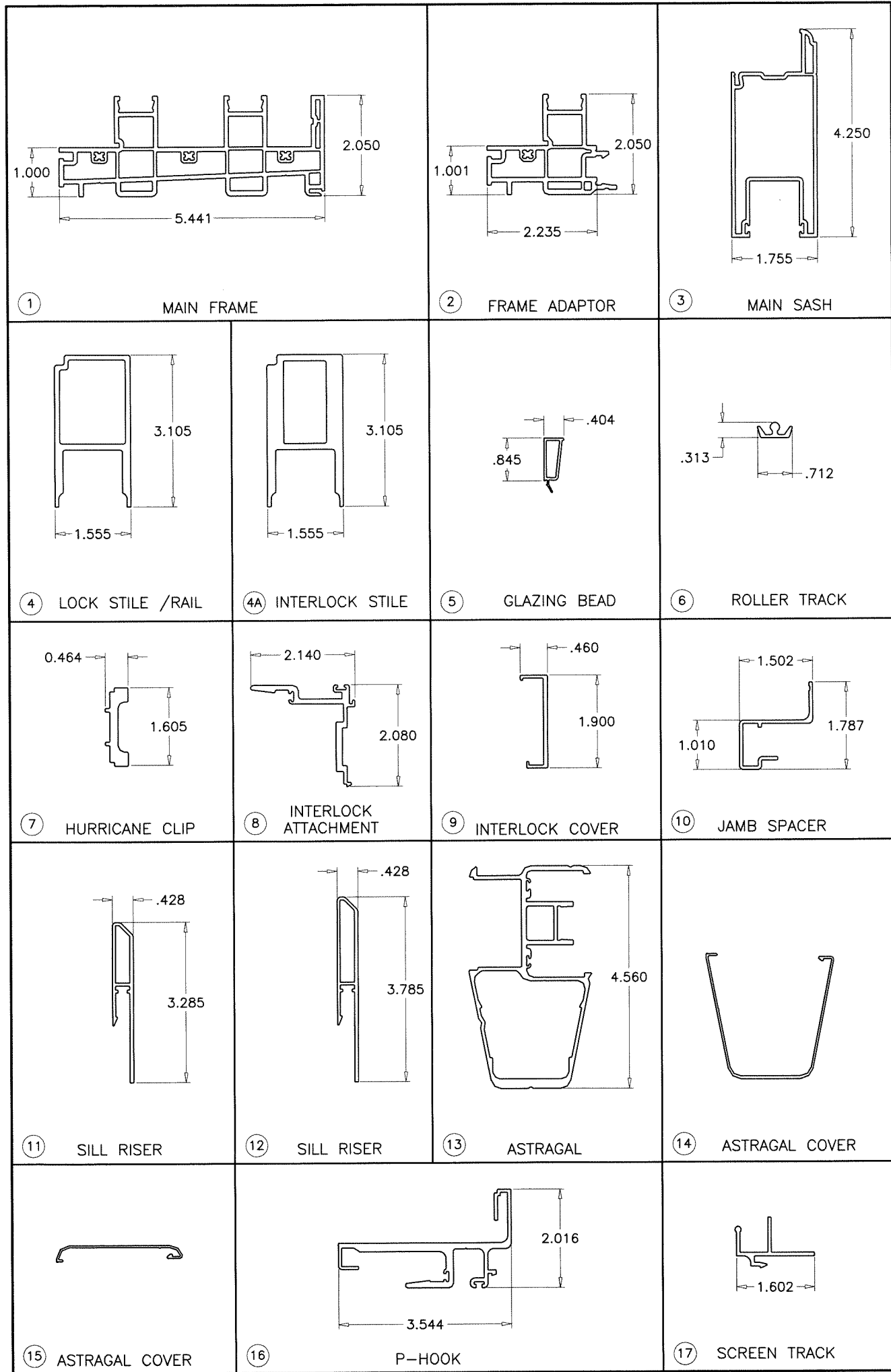
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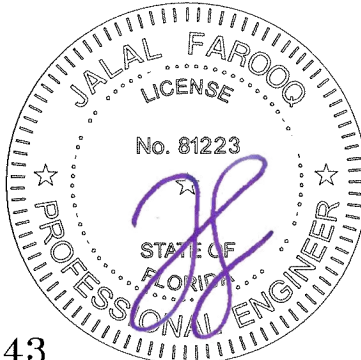
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1	10001160	4	MAIN FRAME	VINYL	-
2	10001165	AS REQD.	FRAME ADAPTOR	VINYL	-
3	10001170	4/ PANEL	MAIN SASH	VINYL	-
4	10300231	AS REQD.	LOCK STILE AND RAIL	6005A-T61	-
4A	10300309	2/ INTERLOCK	INTERLOCK STILE	6005A-T61	-
5	10001173	4/ PANEL	GLAZING BEAD	VINYL	-
6	10300234	1 / TRACK	ROLLER TRACK	6063-T6	-
7	10300264	2/ INTERLOCK	HURRICANE CLIP	6063-T6	-
8	10300237	2/ INTERLOCK	INTERLOCK ATTACHMENT	6063-T6	-
9	10001182	2/ INTERLOCK	INTERLOCK COVER	VINYL	-
10	10300300	AS REQD.	PANEL JAMB SPACER	6063-T6	-
11	10300240	AS REQD.	SILL RISER	6063-T6	-
12	10300241	AS REQD.	SILL RISER	6063-T6	-
13	10300233	AS REQD.	ASTRAGAL	6063-T6	-
14	10001181	1/ ASTRAGAL	ASTRAGAL COVER	VINYL	-
15	10001180	1/ ASTRAGAL	FEMALE ASTRAGAL STILE	VINYL	-
16	10300236	AS REQD.	POCKET HOOK	6063-T6	-
17	-	AS REQD.	SCREEN TRACK	-	-
18	HD-205	AS REQD.	KEEPER	-	INTERLOCK
19	-	AS REQD.	2P SINGLE HANDLE MORTISE LOCKS	-	INTERLOCK
20	-	AS REQD.	WEATHER-STRIPPING PAD	-	ULTRAFAB INC.
21	AP525	AS REQD.	BULB SEAL	-	AMESBURY
22	1981	2 / PANEL	TANDEM ROLLER	-	AMESBURY
23	-	8 / PANEL	L BRACKETS	STEEL	2" X 2" X 5/8"
24	-	3 PER GL	SETTING BLOCKS (1/8" X 1-1/16" X 3" LG.) AT 6" FROM ENDS & 1 AT CENTER.	VINYL	ZIALOC, DUROMETER 80±5 SHORE A
25	-	8 PER GL	SPACER (1/8" X 1-1/16" X 3" LG.) AT 6" FROM ENDS & 2 ADD. EQUALLY SPACED	VINYL	ZIALOC, DUROMETER 80±5 SHORE A

WHITE PVC EXTRUSIONS TO BE LABELED WITH AAMA EXTRUDER CODE, EXTRUDER NAME, CITY, STATE AND 'MDCA'.

Sealed: 9/22/2026

WEEPHOLES:

W1 = 0.25" X 1.375" WEEP SLOT AT 3" FROM EACH END
(1 ADDITIONAL AT CENTER FOR 3 & 4 TRACKS)
W2 = 0.25" X 1.250" WEEP SLOT AT EACH END
W3 = 0.25" X 1.125" WEEP SLOT AT 3" FROM EACH END
(1 ADDITIONAL AT CENTER FOR 3 & 4 TRACKS)



FL #28643

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COMP-ANL W18-127/VINCO

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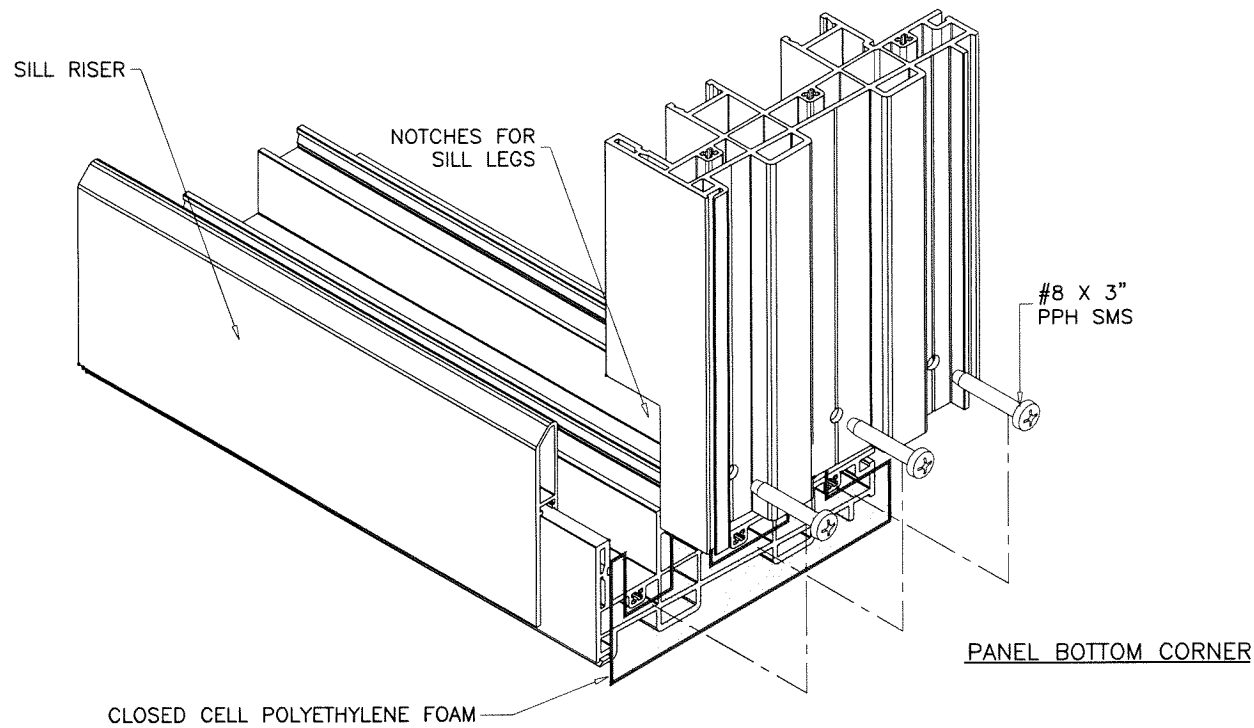
VINCO, INC.
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revisions:

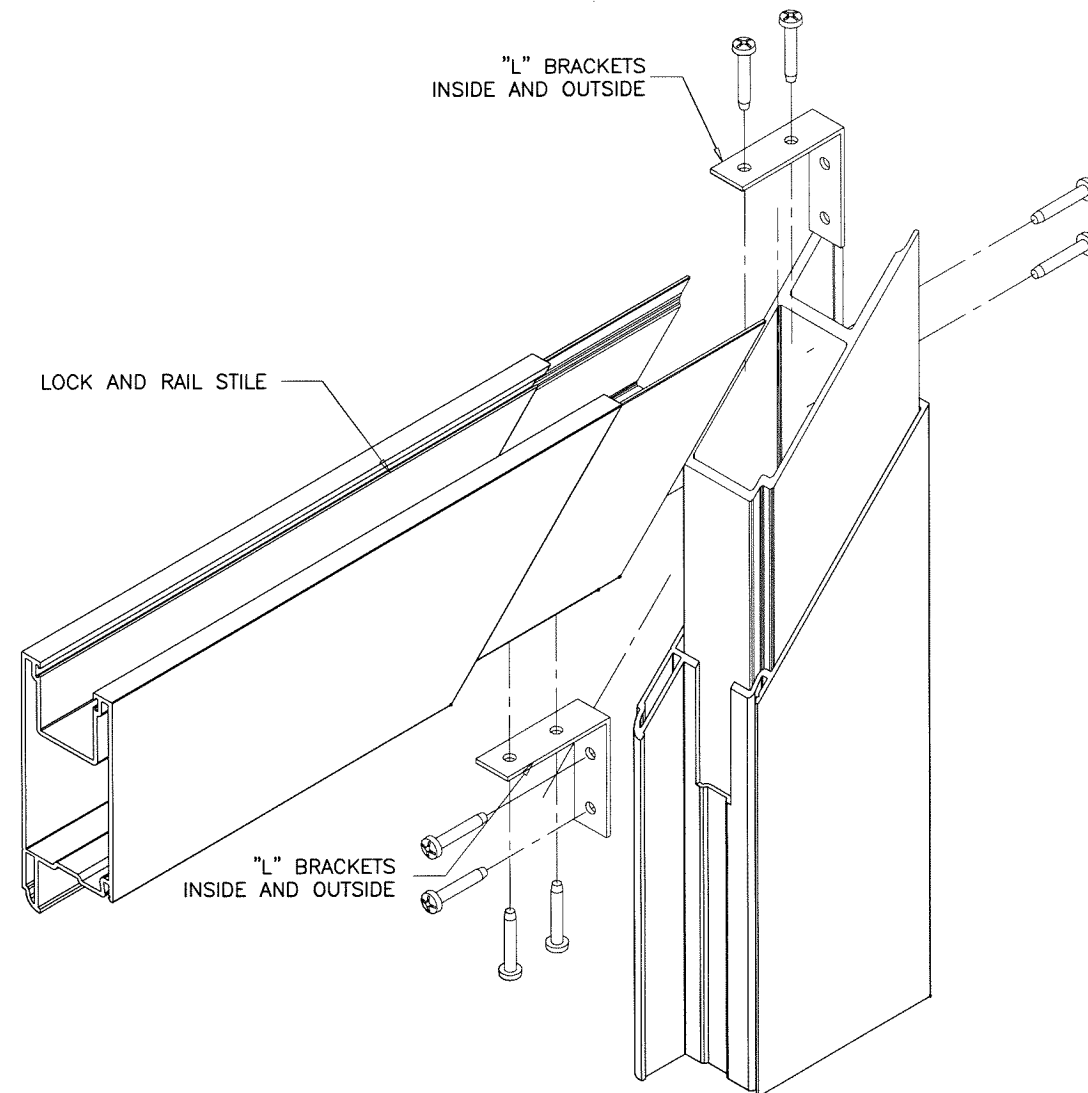
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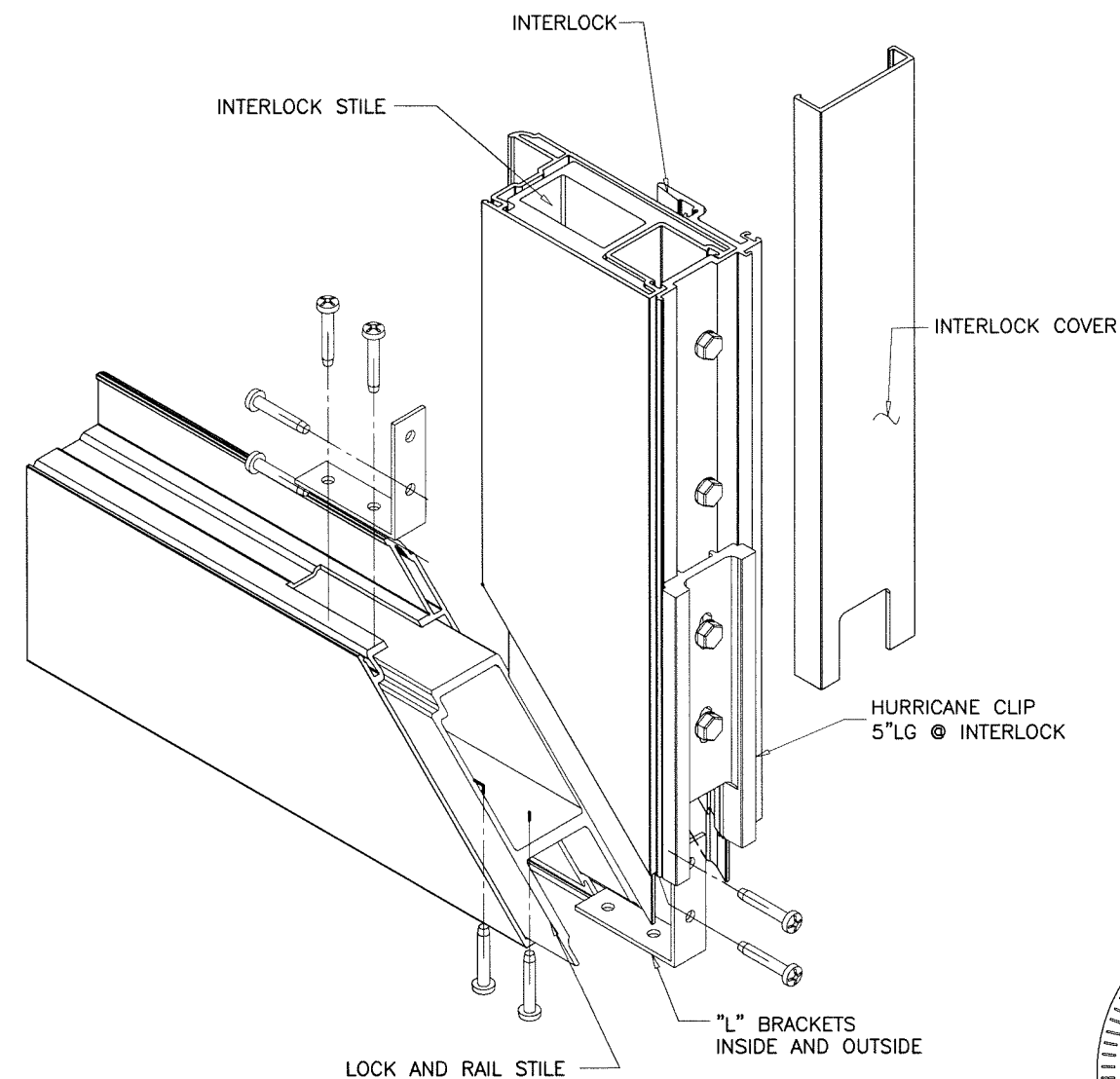
drawing no.
W18-127
sheet 17 of 18



PANEL BOTTOM CORNER



FRAME TOP CORNER



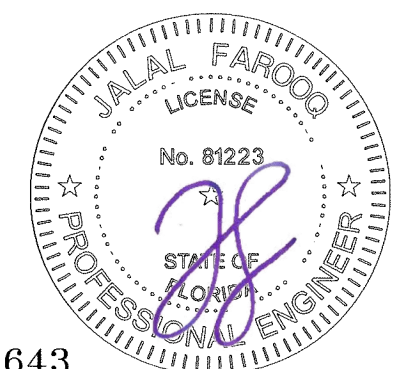
FRAME BOTTOM CORNER

SEALANT:

FRAME: BUTT JOINTED AND CLOSED CELL
POLYETHYLENE FOAM AT EACH JOINT.

Sealed: 9/22/2026

FL #28643



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W18-127WINCO

af c

SERIES '650' PVC SLIDING GLASS DOOR (N.I.)

VIVINCO, INC.
P.O. BOX 499
MORGANTOWN, PA. 19543
TEL. (610) 286-8884 FAX. (610) 286-8877

revisions:

no	date	by	description
A	11.27.20	ML	UPDATED TO 2020 FBC

date: 10-23-13

scale: 3/8" = 1"

dr. by: M.L.S.

chk. by:

drawing no.

W18-127

sheet 18 of 18