

DESIGN LOAD CAPACITY – PSF					
D.L.O. WIDTH INCHES	D.L.O. HEIGHT INCHES	GLASS TYPE 'A'		GLASS TYPE 'B'	
		EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
27–1/2"	72–5/16"	80.0	80.0	55.0	55.0
33–1/2"		80.0	80.0	55.0	55.0
39–1/2"		80.0	80.0	55.0	55.0
45–1/2"		80.0	80.0	55.0	55.0
48–1/2"		78.6	78.6	55.0	55.0
27–1/2"	78–5/16"	80.0	80.0	55.0	55.0
33–1/2"		80.0	80.0	55.0	55.0
39–1/2"		78.4	78.4	55.0	55.0
41–1/2"		76.5	76.5	54.6	54.6
44–1/2"		73.9	73.9	–	–
27–1/2"	84–5/16"	80.0	80.0	55.0	55.0
33–1/2"		78.8	78.8	55.0	55.0
39–1/2"		71.9	71.9	51.4	51.4
41–1/2"		70.0	70.0	50.0	50.0

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

ALL EXTERIOR(+) LOADS SHOWN IN CHARTS ABOVE ARE
FOR SILL HEIGHTS 3–1/2" & 4" (WITH RISER).
FOR SILL HEIGHT 2–1/16" (WITHOUT RISER)
LIMIT MAX. EXT.(+) LOADS TO
45.0 PSF (DOOR WITHOUT POCKETS)
40.0 PSF (DOOR WITH POCKETS)
SEE SHEET 12 FOR DETAILS

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

SERIES '650' PVC SLIDING GLASS DOOR

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2023 (8TH 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 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 2023 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.

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.

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

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"	21"
41–1/2"	21"	19–1/2"
48–1/2"	21"	17"

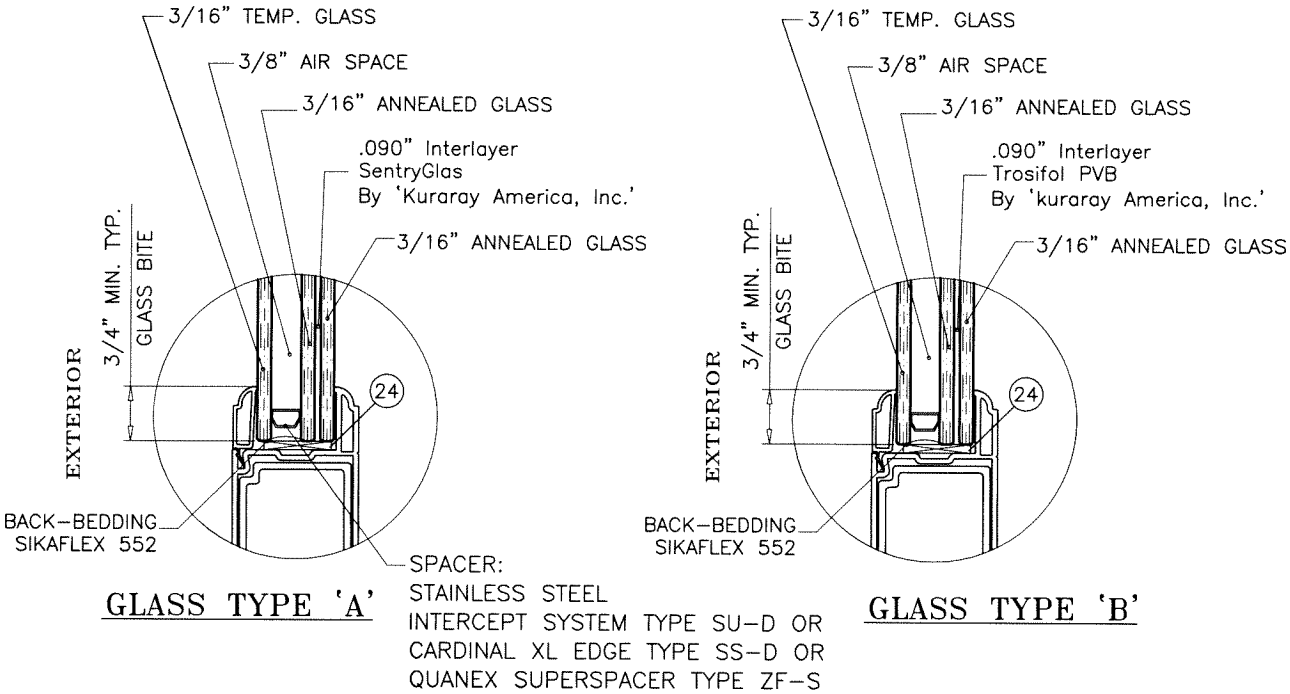
CHART 2

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"	8–7/8"	21"
41–1/2"	10"	21"	7–1/2"	20"
48–1/2"	8–3/4"	21"	6–5/8"	17–3/4"

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.



GLAZING OPTIONS

1–1/16" OVERALL INSUL. LAM. 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"

Sealed: 4/16/2024

INSUL. LAM. GLASS
LARGE MISSILE IMPACT

FL #28643

- 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.



afC
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\W18-124\WINCO

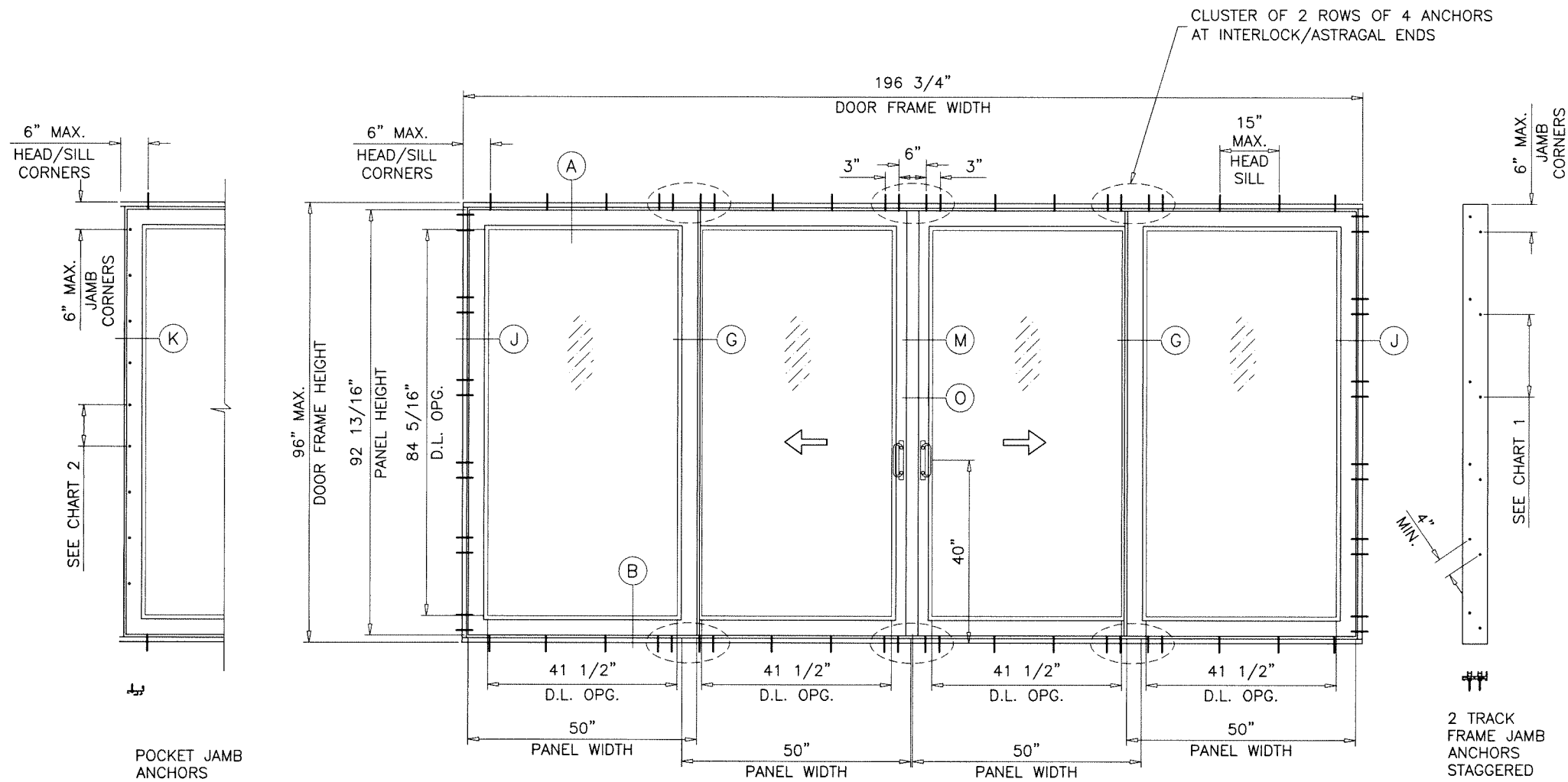
SERIES '650' PVC SLIDING GLASS DOOR (L.M.I.)

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

no	date	by	description
A	11.27.20	ML	UPDATED TO 2020 FBC
B	02.25.14	REV.	PER RER COMMENTS
C	02.22.16	REV.	PER RER COMMENTS
D	05.16.17	EDITORIAL	CHANGES ONLY
E	03.25.24	NEW	TEST ADDED

date:	12-20-18
scale:	3/8"=1'-0"
dr. by:	MLS
chk. by:	

drawing no.
W18-124
sheet 1 of 18



TYPICAL ELEVATION
OX-XO

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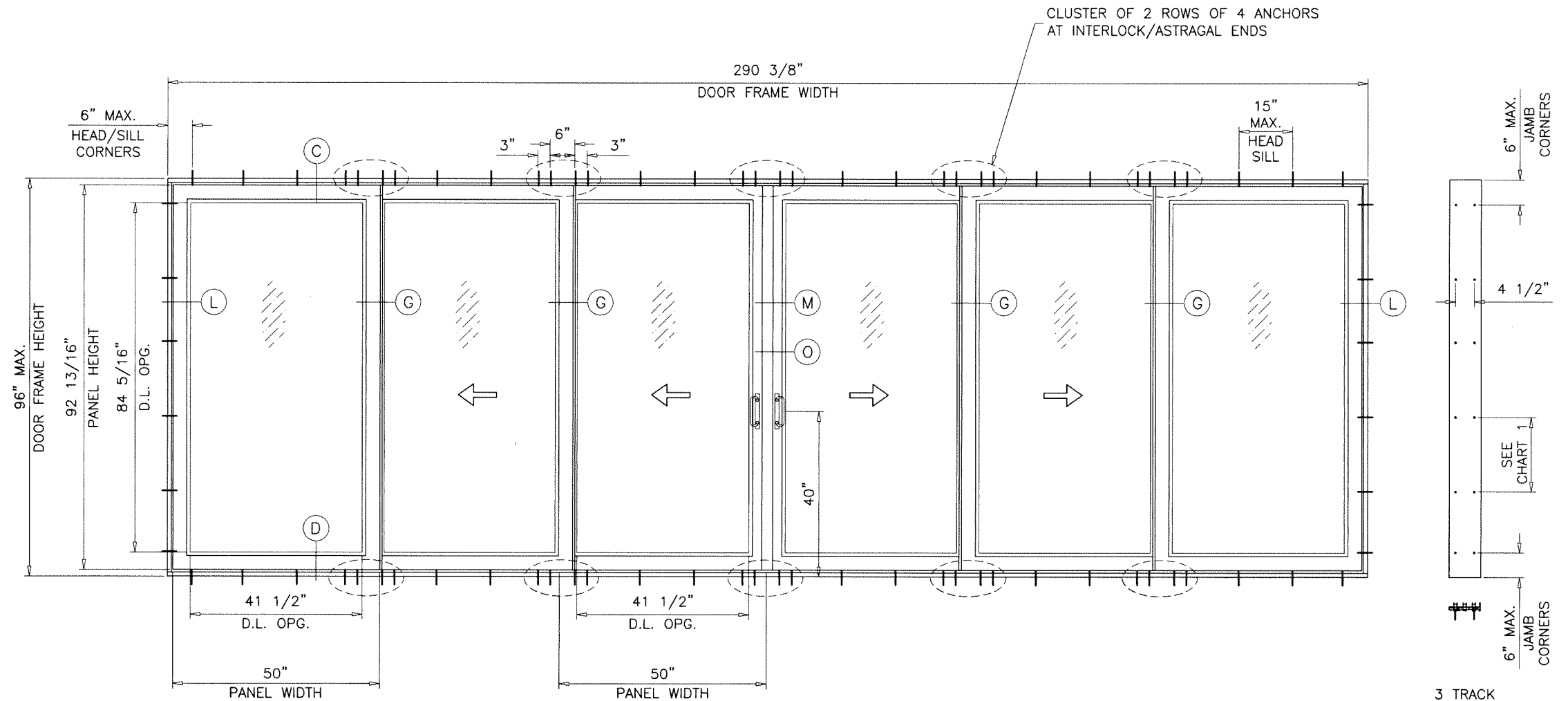
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W18-124

sheet 2 of 18

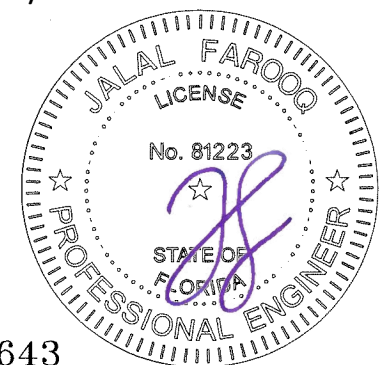


TYPICAL ELEVATION

0XX-XXO

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

Sealed: 4/16/2024



3 TRACK
FRAME JAMB
ANCHORS
IN-LINE

SEE SHEET 2
FOR POCKET JAMB
ANCHORS

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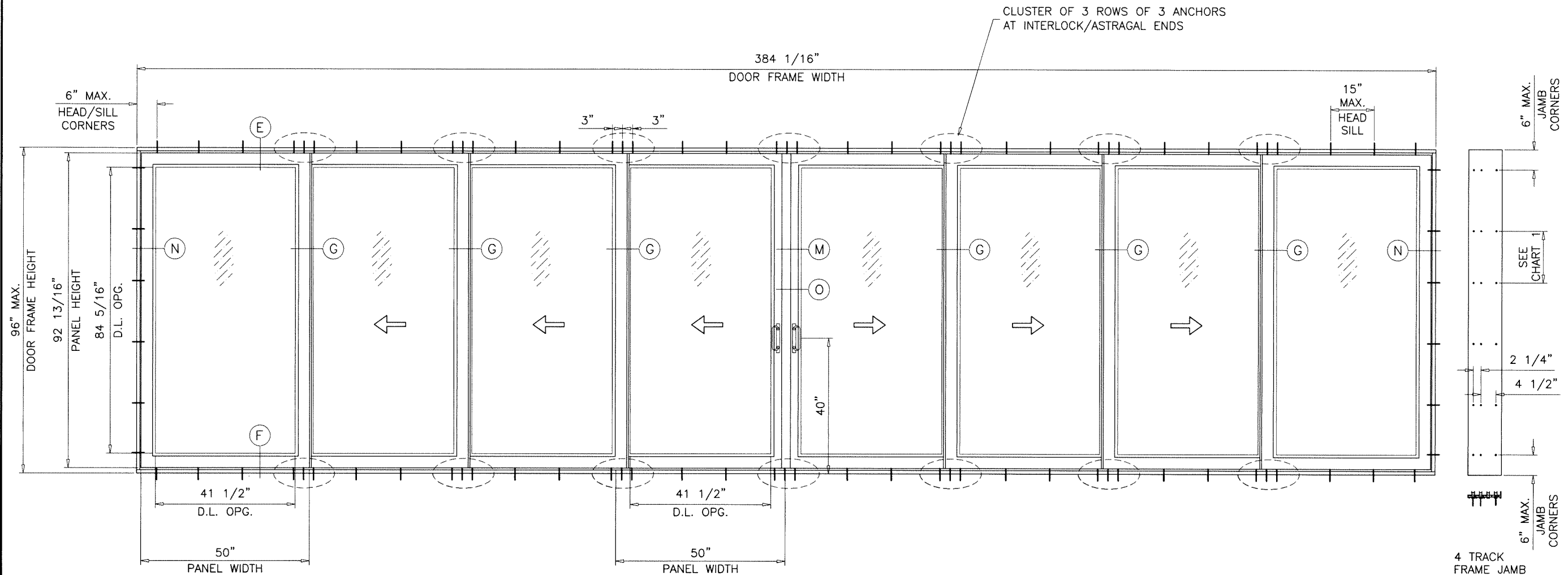
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drawing no.

W18-124

sheet 3 of 18

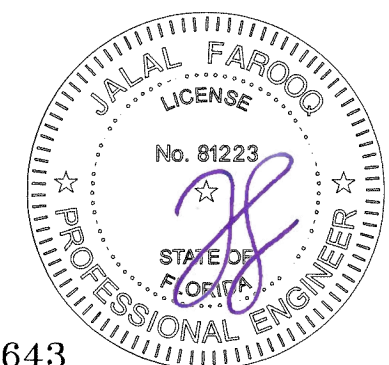
FL #28643



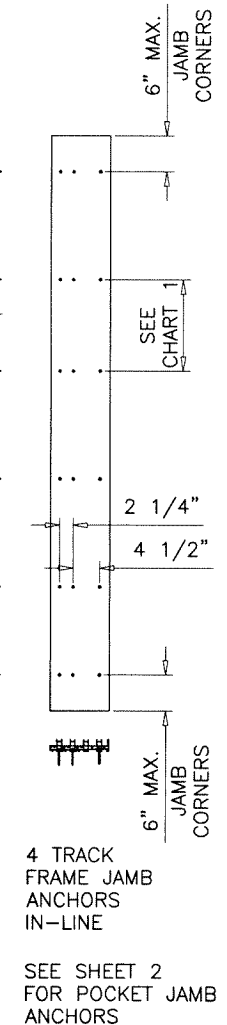
TYPICAL ELEVATION
OXXX-XXXO

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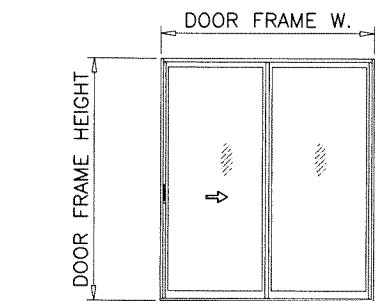
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SEE SHEET 2
FOR POCKET JAMB
ANCHORS

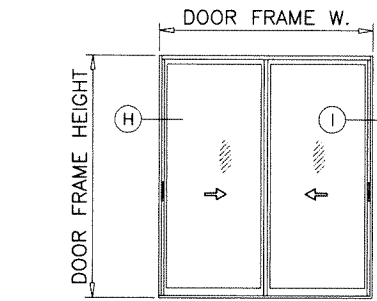
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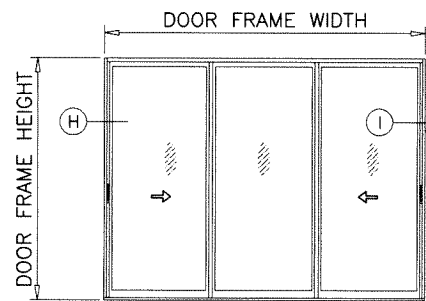
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sheet	4 of 18



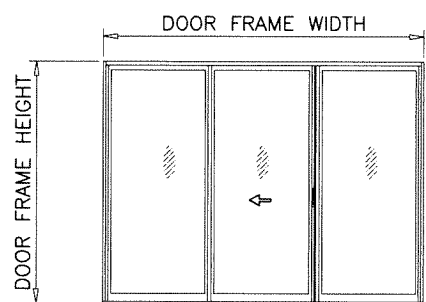
XO (SHOWN)
OX



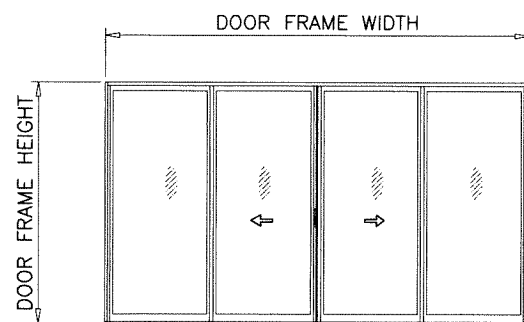
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XOx (SHOWN)

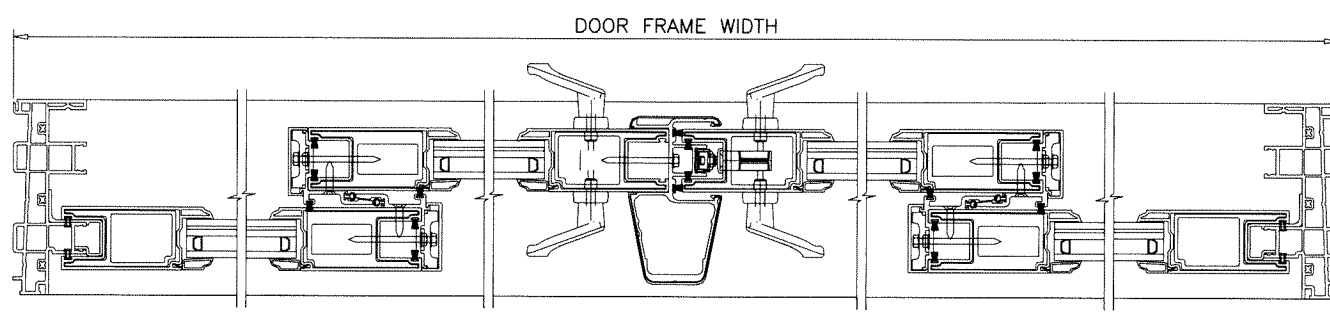
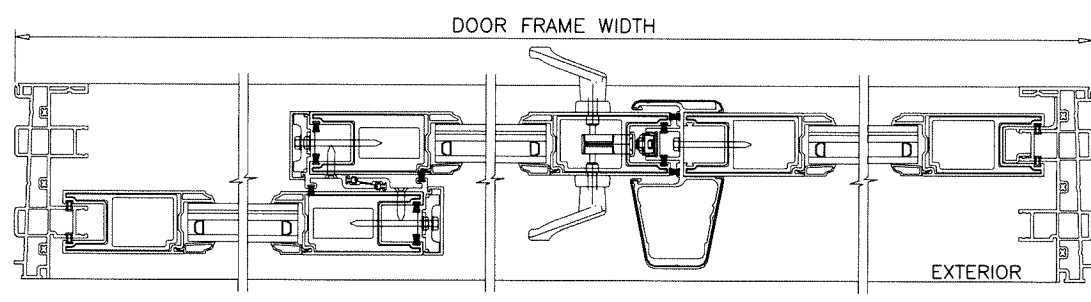
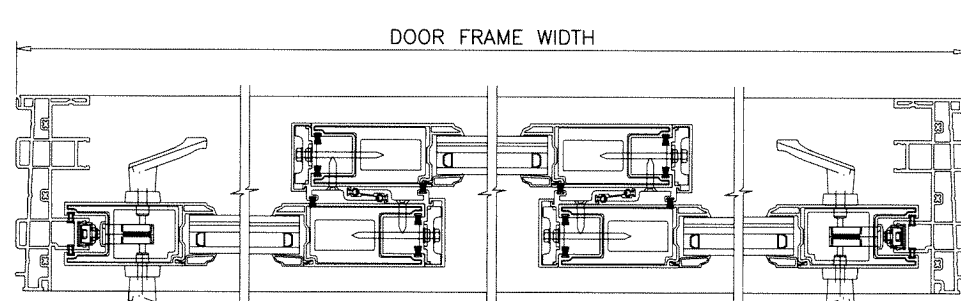
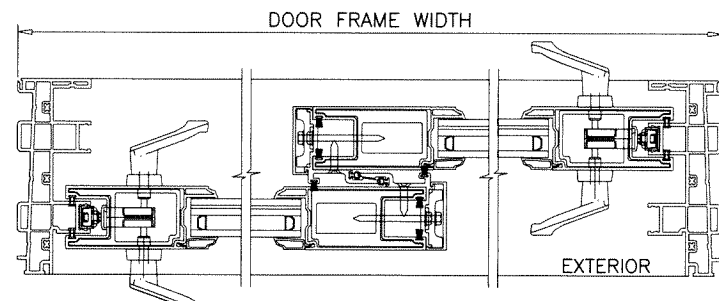
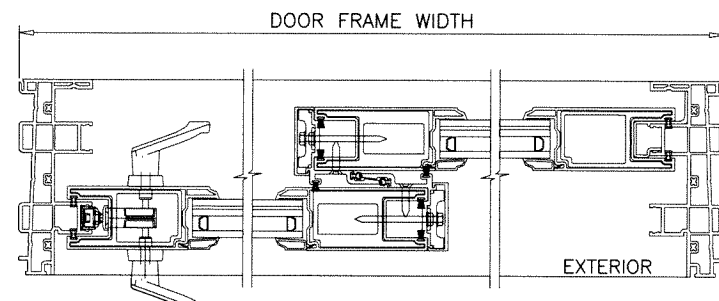


OX-O (SHOWN)
O-XO



OX-XO (SHOWN)

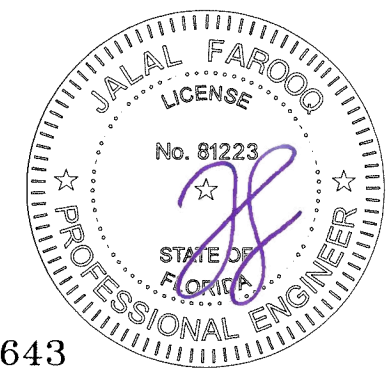
APPROVED CONFIGURATIONS
NON-POCKETED DOORS
TWO (2) TRACKS



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
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Sealed: 4/16/2024



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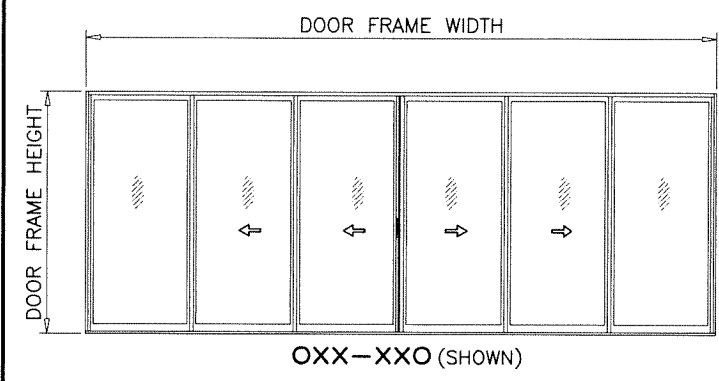
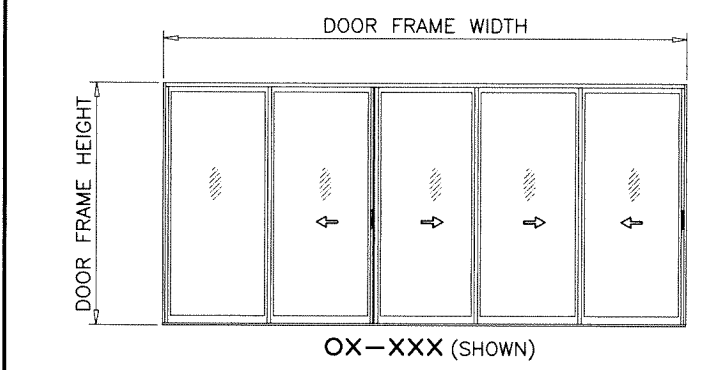
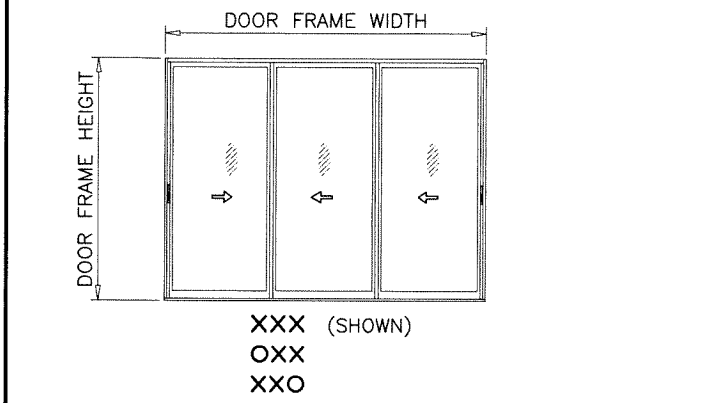
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TEL. (305) 262-6978
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COMP-ANL\W18-124\WINCO

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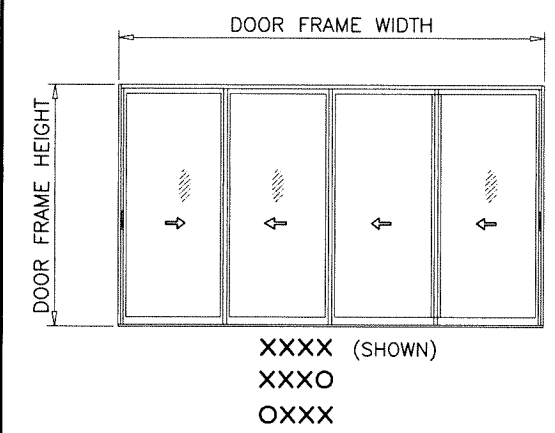
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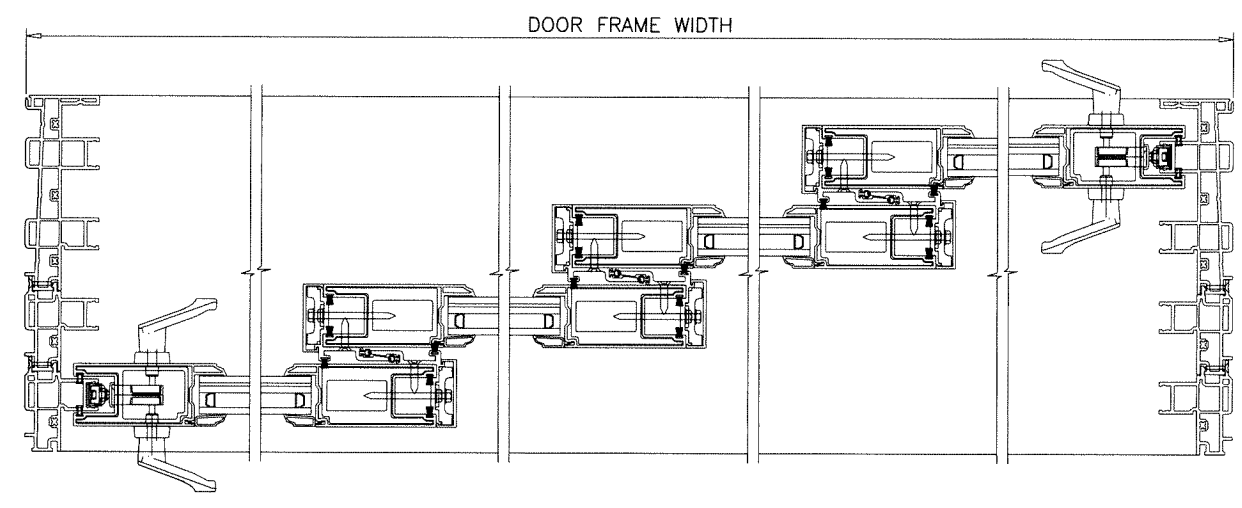
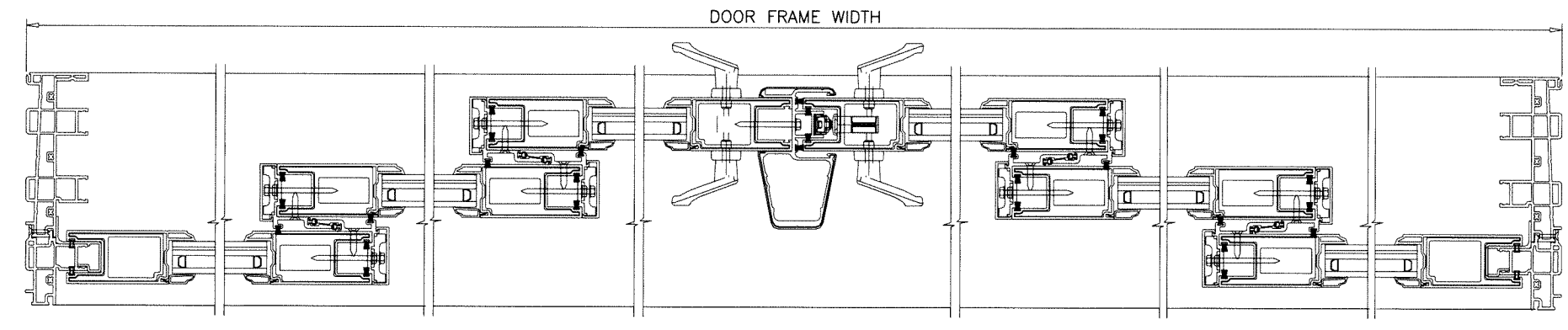
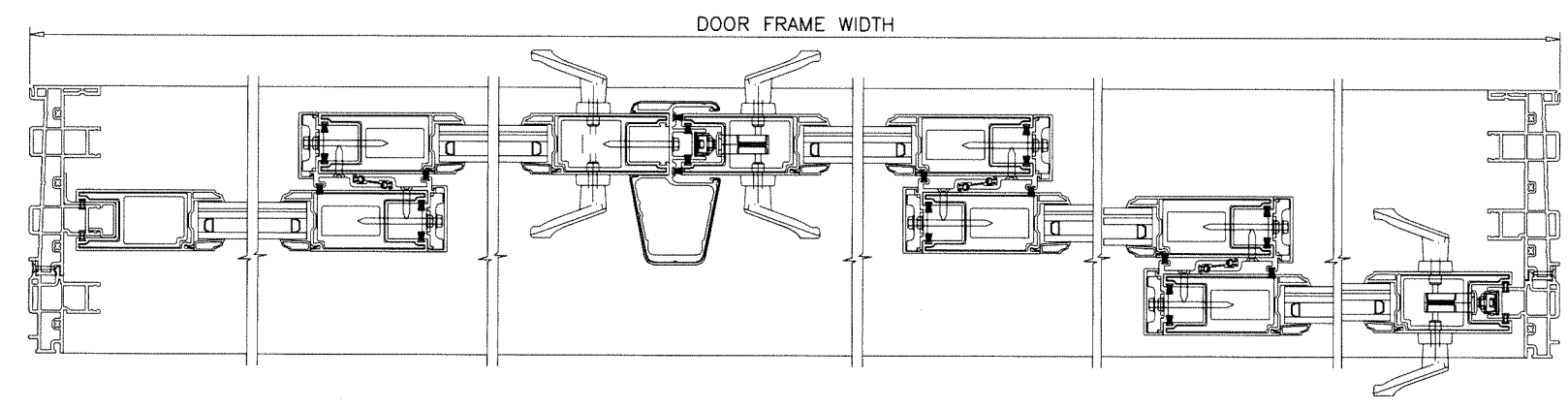
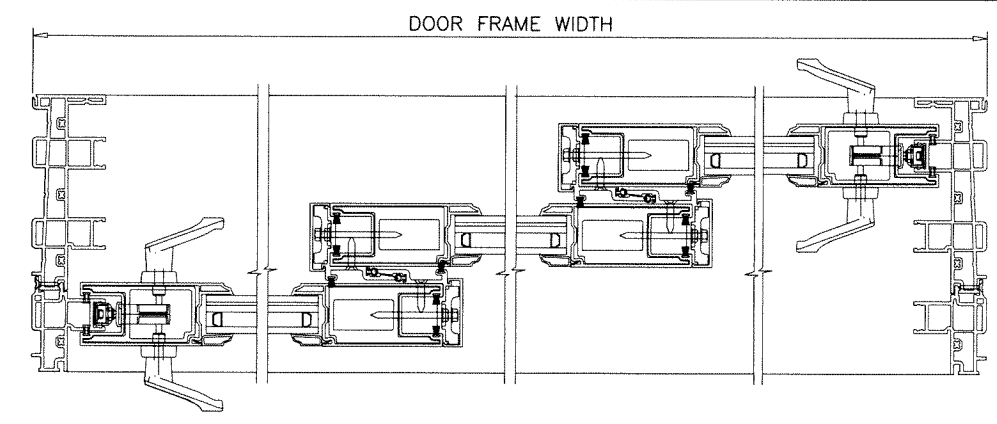
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sheet	5 of 18



**APPROVED CONFIGURATIONS
NON-POCKETED DOORS
THREE (3) TRACKS**



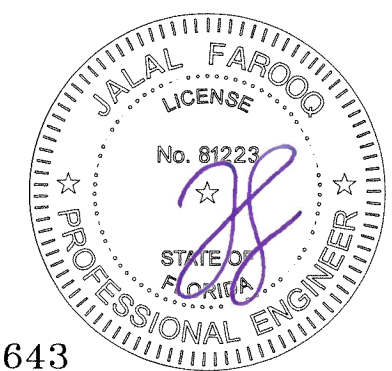
**APPROVED CONFIGURATIONS
NON-POCKETED DOORS
FOUR (4) TRACKS**



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SERIES '650' PVC SLIDING GLASS DOOR (L.M.I.)

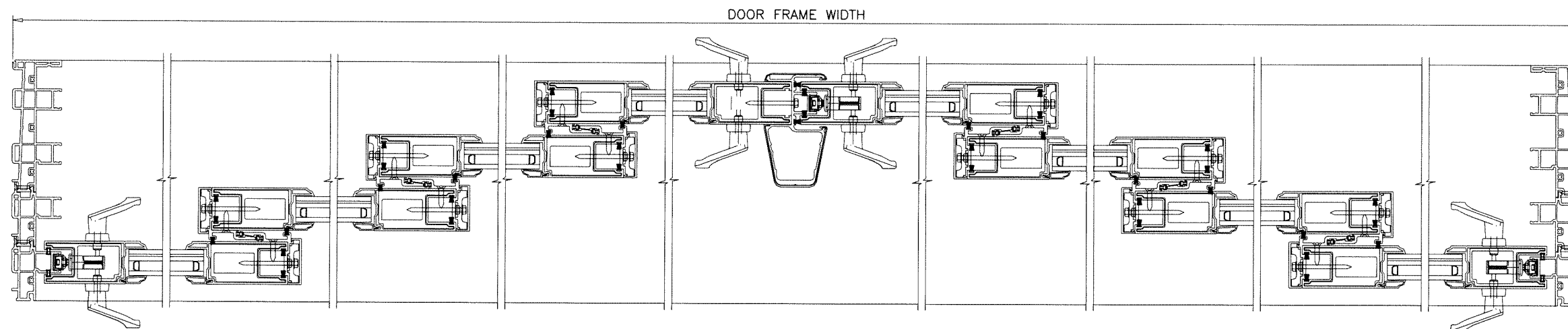
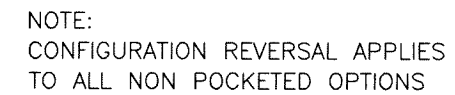
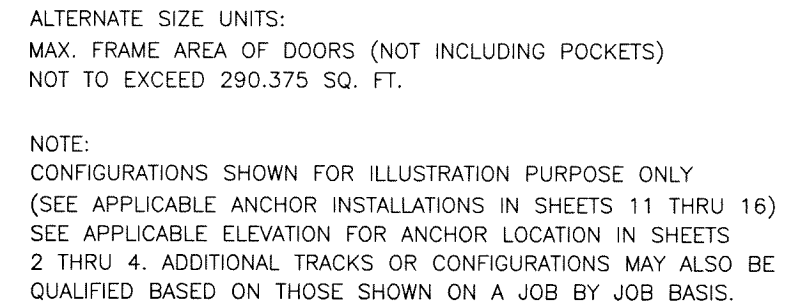
VINCO, INC.
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TEL. (610) 286-8884 FAX. (610) 286-8877

revisions:

no	date	by	description
A	11.27.20	ML	UPDATED TO 2020 FBC

date: 12-20-18
scale: --
dr. by: MLS
chk. by:

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sheet 6 of 18



A circular professional engineer seal for Jalal Farooq. The outer ring contains the text "JALAL FAROOQ" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 81223" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. A large, stylized purple signature is written over the center of the seal.

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(C.A.N. 3538)

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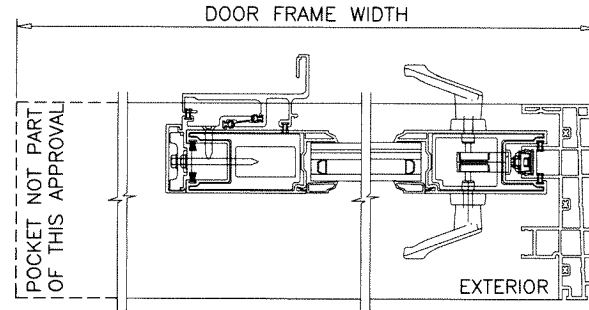
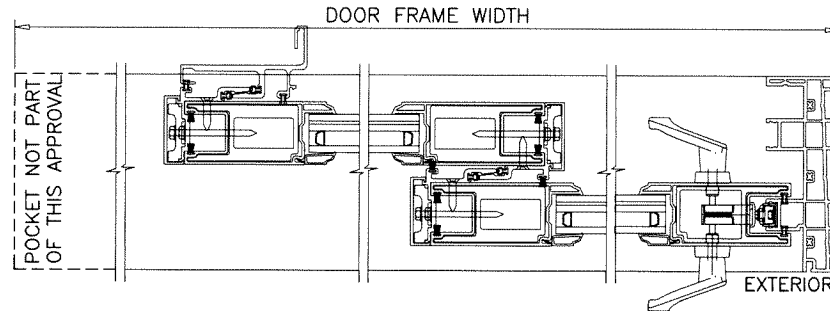
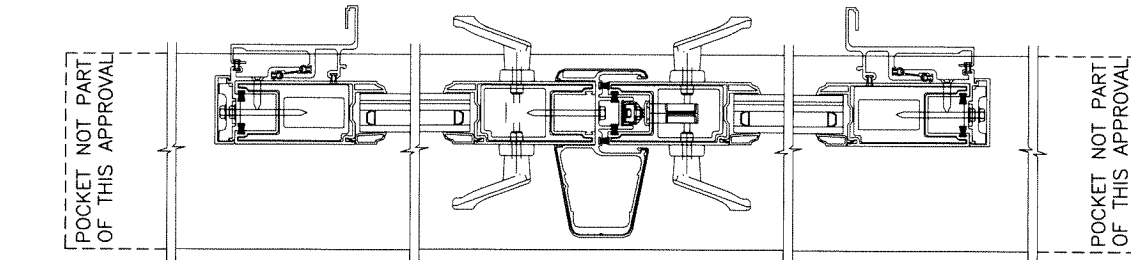
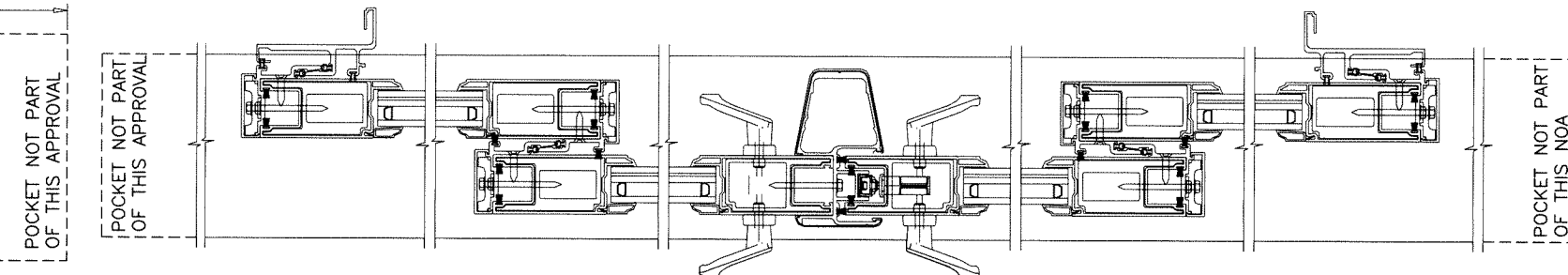
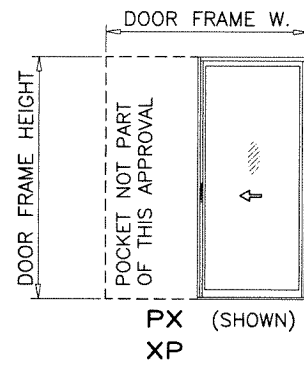
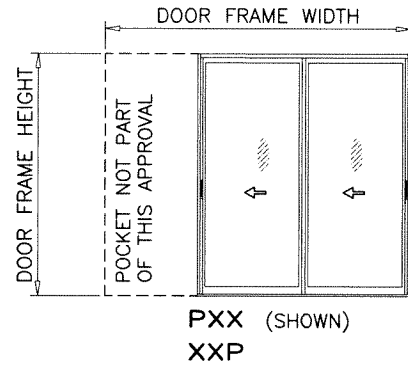
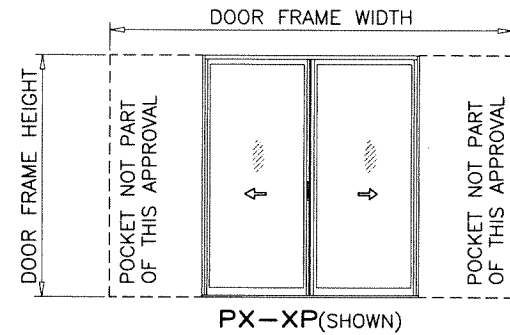
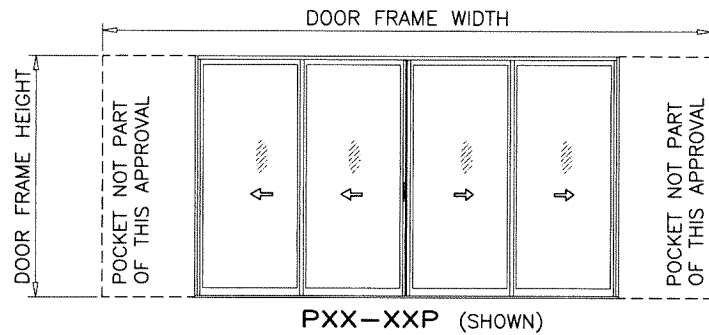
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date: 12-20-18				
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dr. by: MLS				
chk. by:				

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W18-124

sheet
7 of **18**



APPROVED CONFIGURATIONS
POCKETED DOORS
TWO (2) TRACKS

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

NOTE:
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(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
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Sealed: 4/16/2024

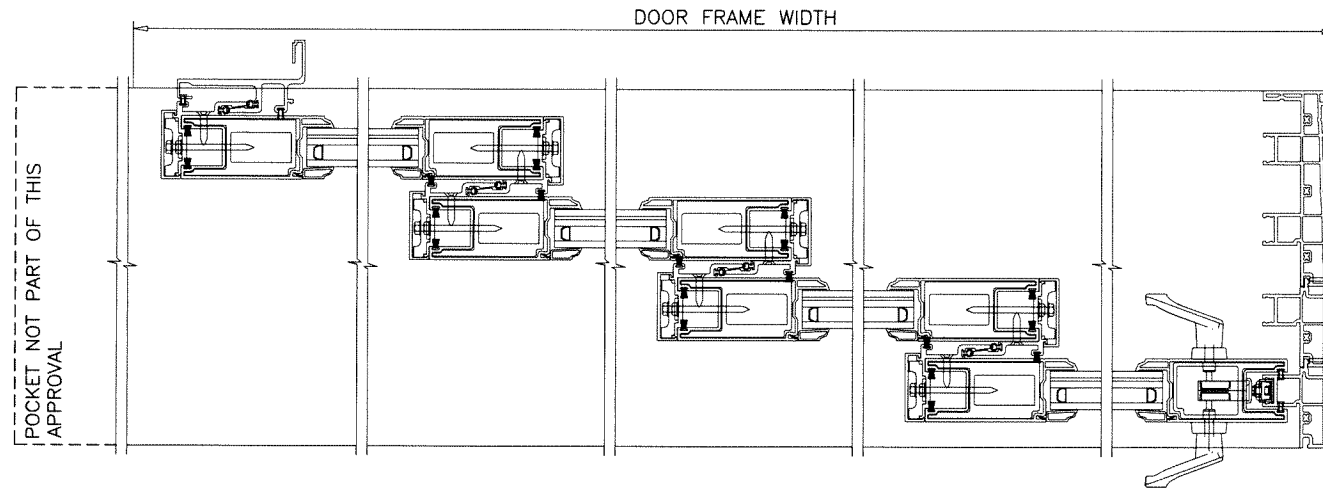
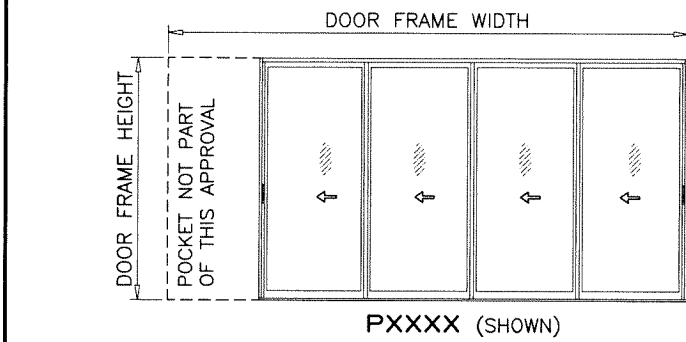
FL #28643

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\W18-124\WINCO

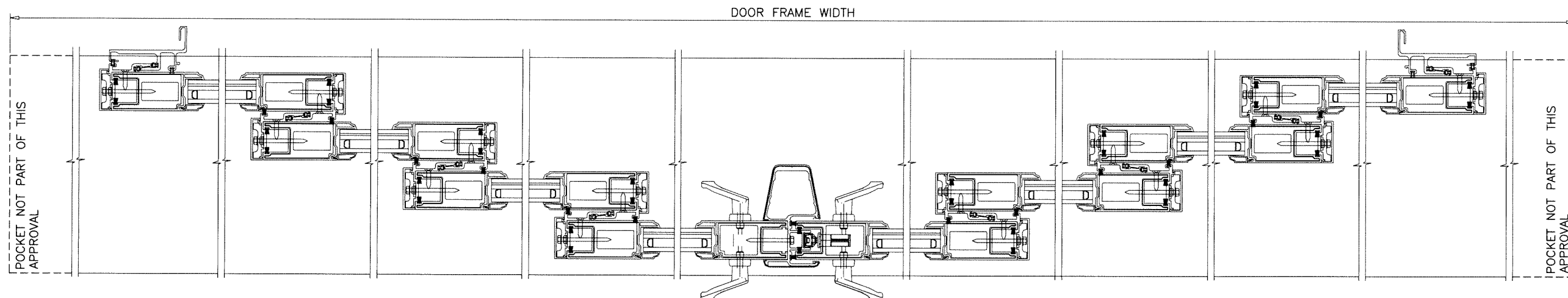
SERIES '650' PVC SLIDING GLASS DOOR (L.M.I.)

WINCO, 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:	12-20-18	scale:	-	dr. by:	MLS
		chk. by:			
drawing no.	W18-124				
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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.



A circular professional engineer seal for Jalal Farooq. The outer ring contains the text "JALAL FAROOQ" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom, also separated by two stars. In the center, the license number "No. 81223" is printed above a large, stylized purple signature.

FL #28643

COMP--ANL\W18-124VINCO

date: 12-20-18

scale: -

dr. by: MLS

chk. by:

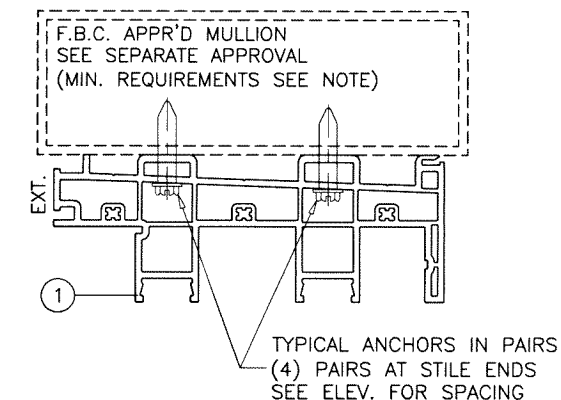
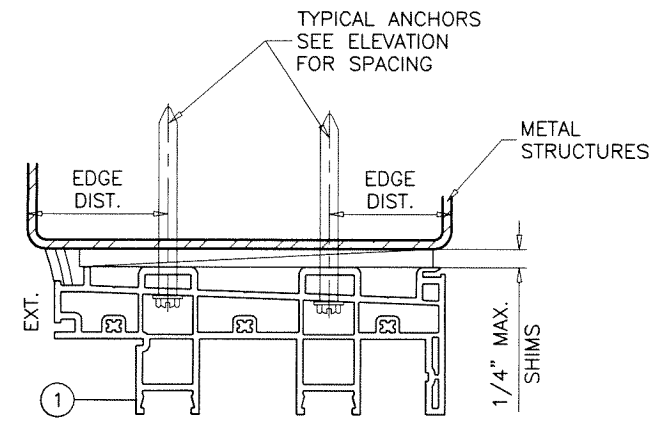
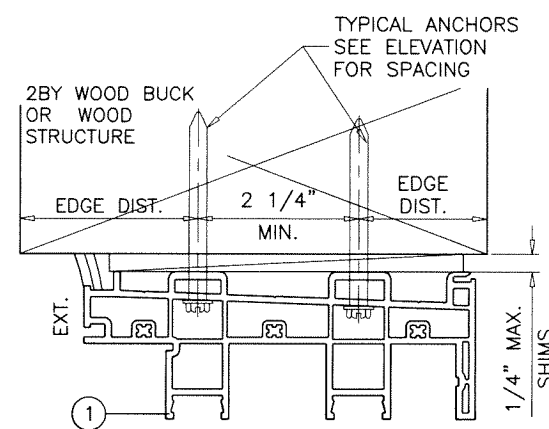
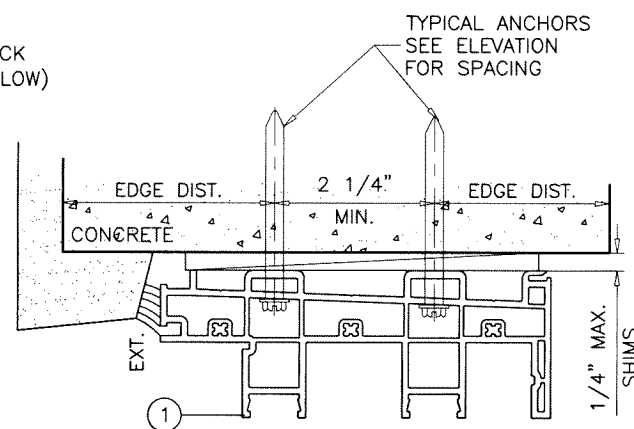
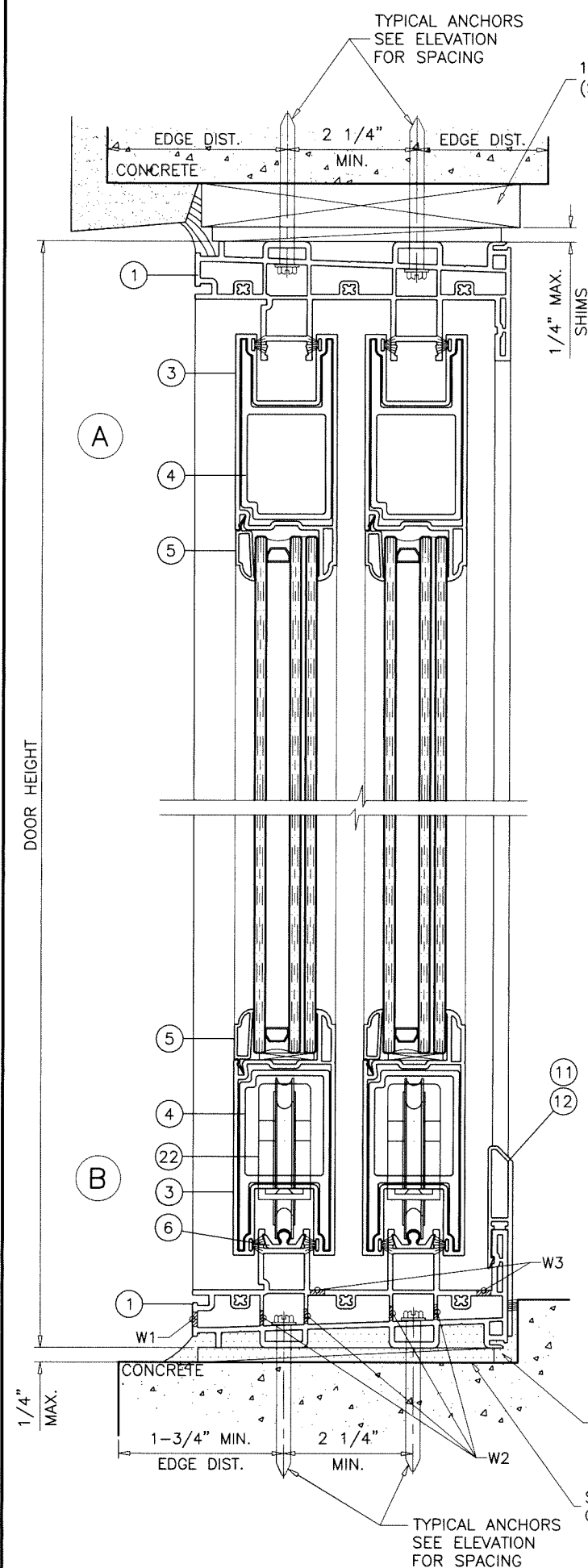
revisions:

no	date	by description
A	11.27.20	ML UPDATED TO 2020 FBC

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W18-124

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- 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

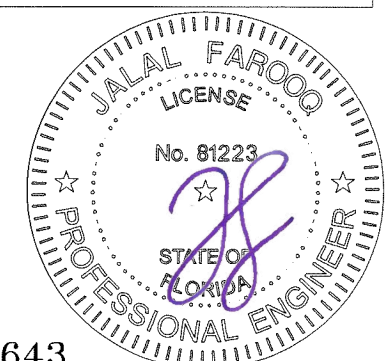
INTO CONCRETE AND MASONRY = 1 3/4" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

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.

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.

2 TRACK FRAMES
ANCHOR LOCATIONS

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C.A.N. 3538

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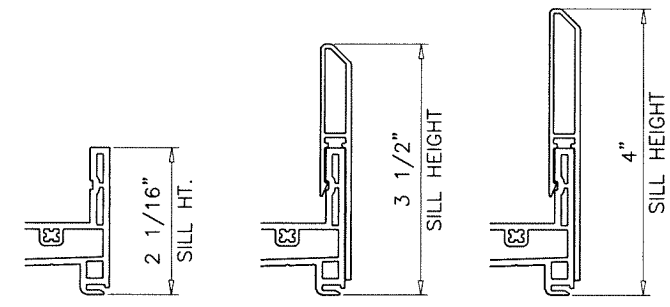
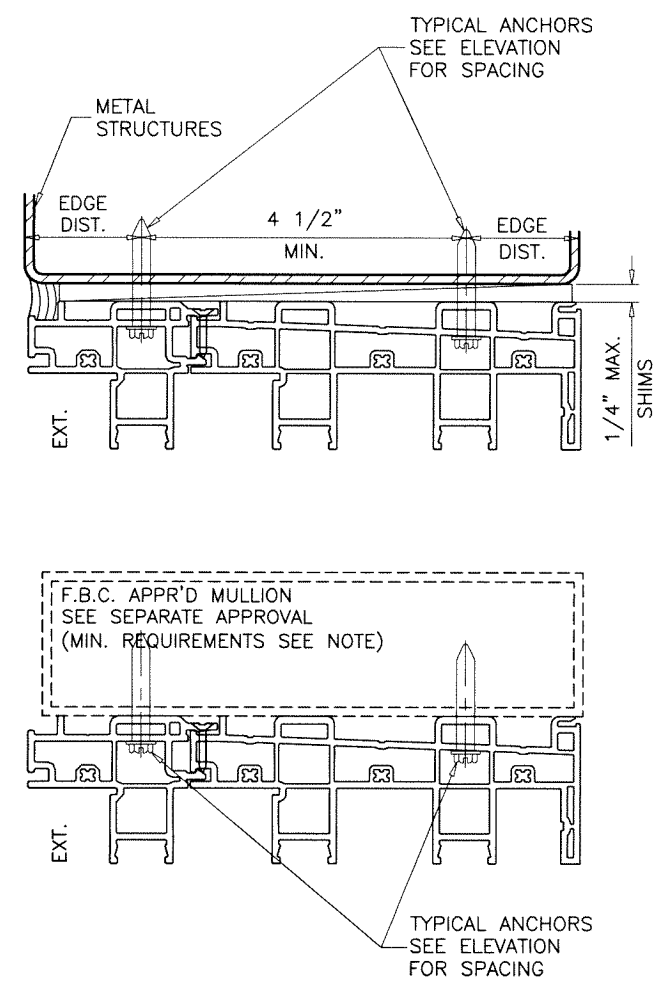
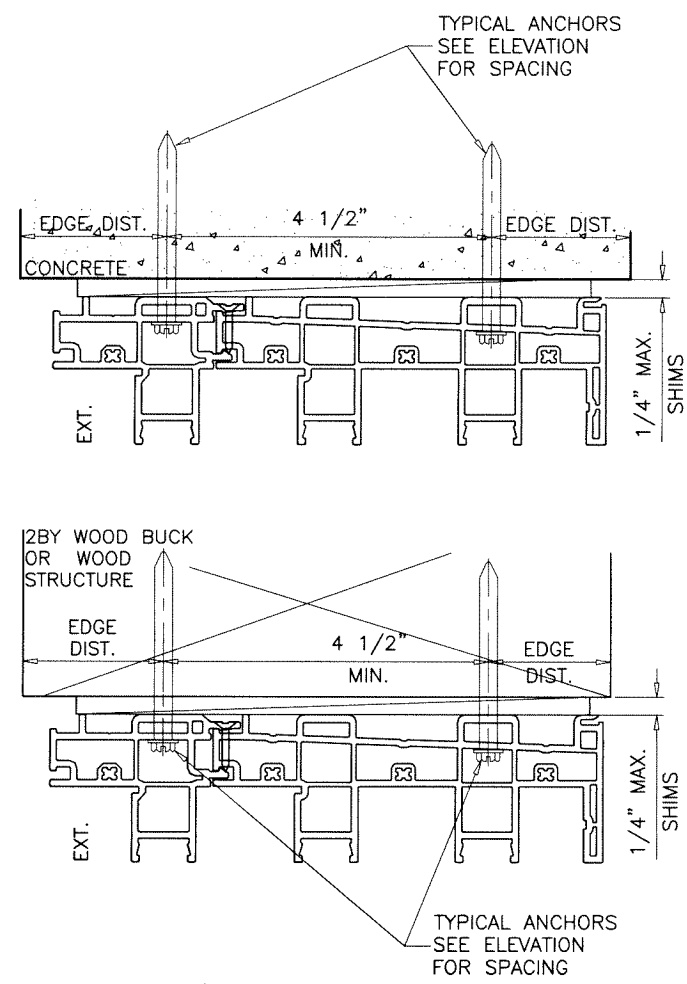
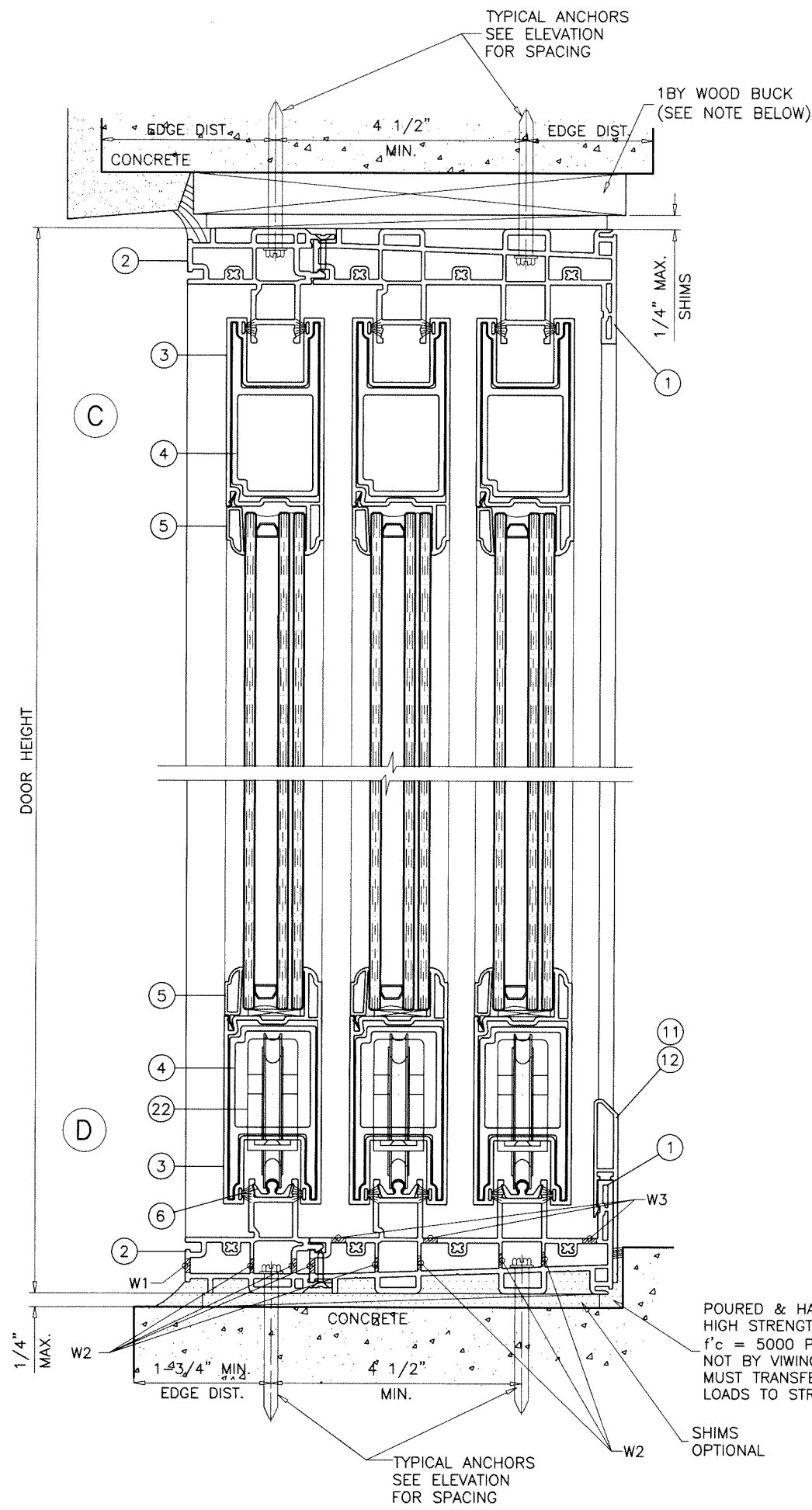
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chk. by:	

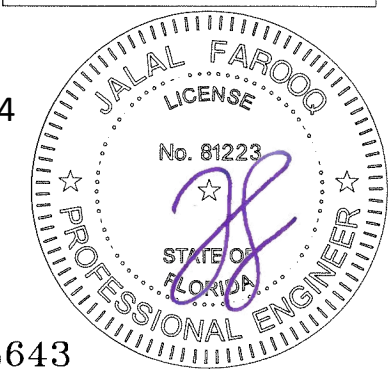
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3 TRACK FRAMES
ANCHOR LOCATIONS

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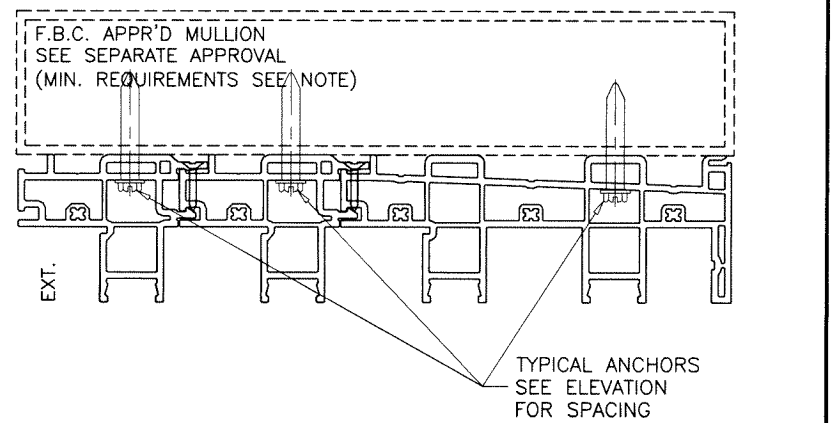
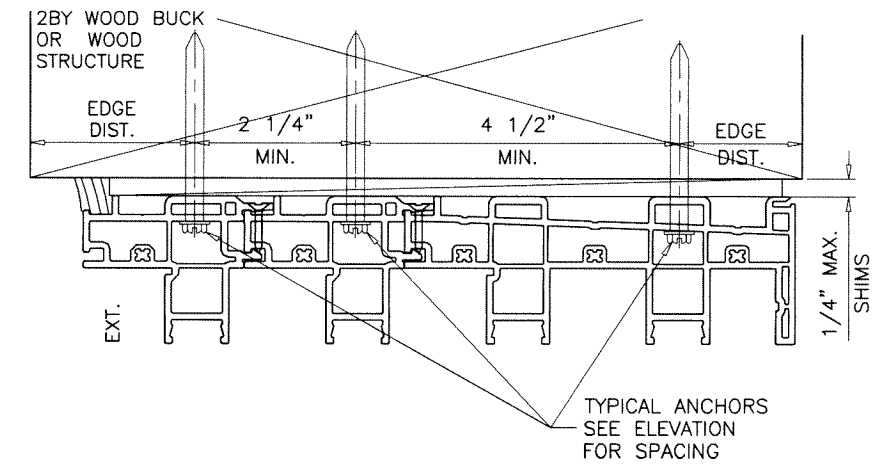
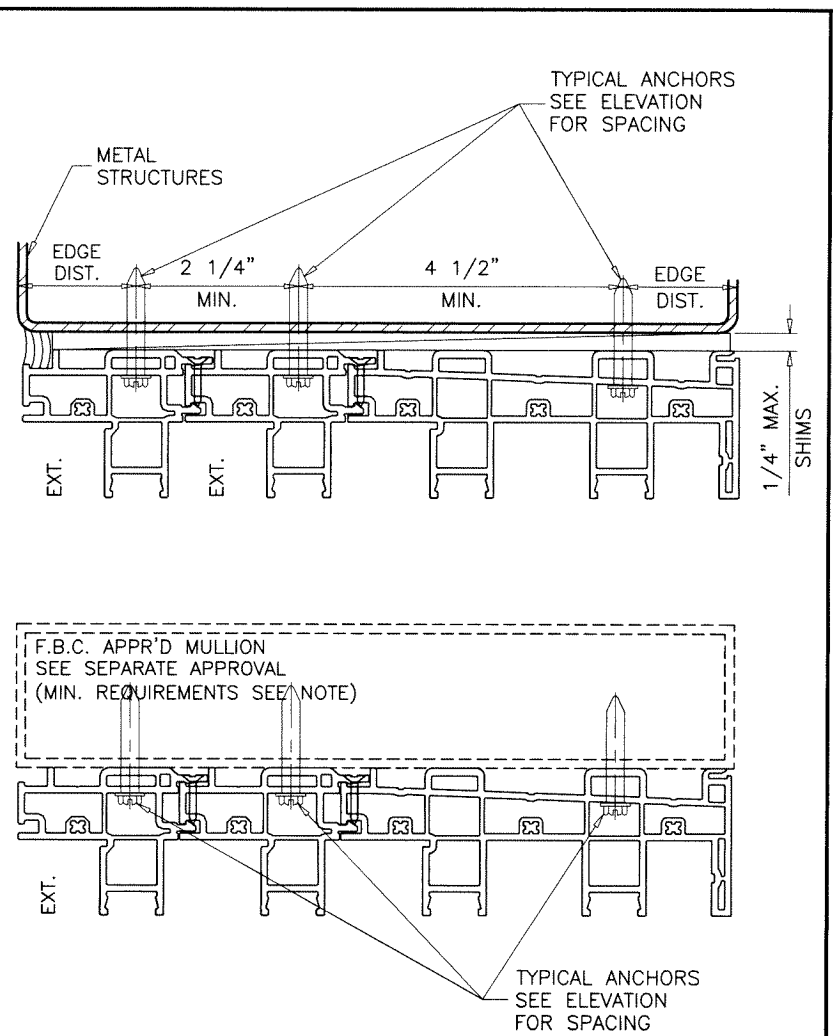
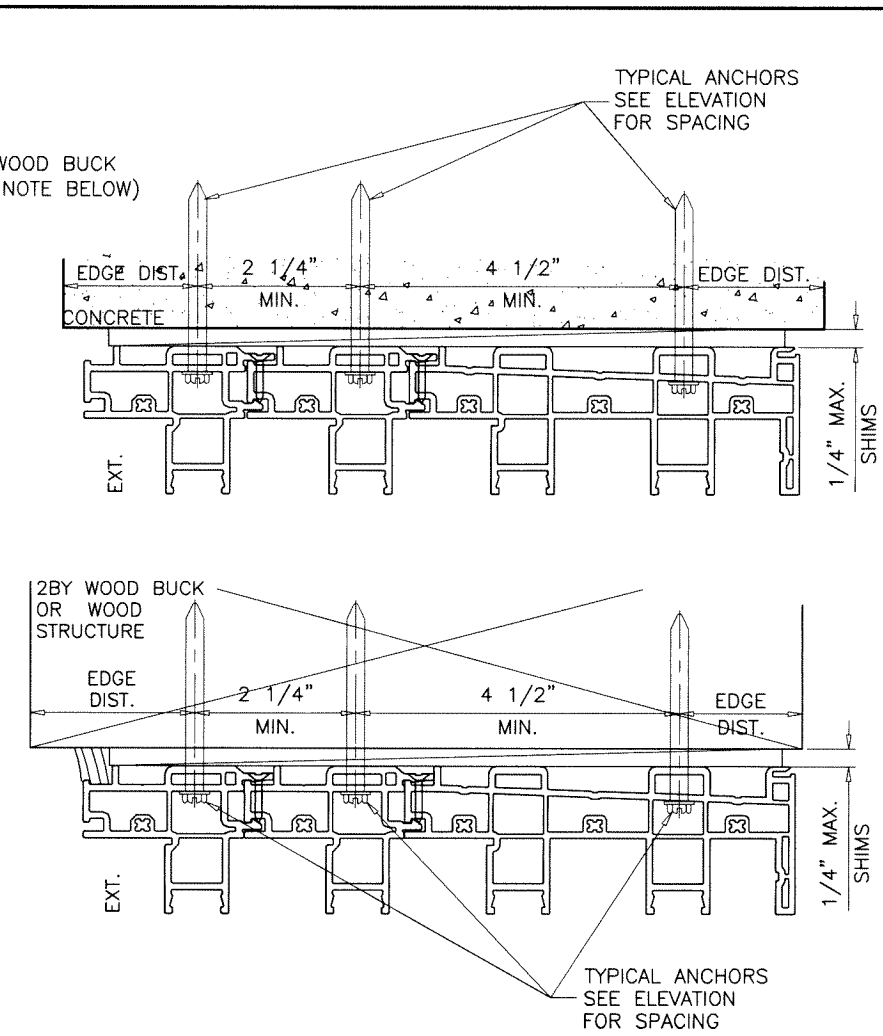
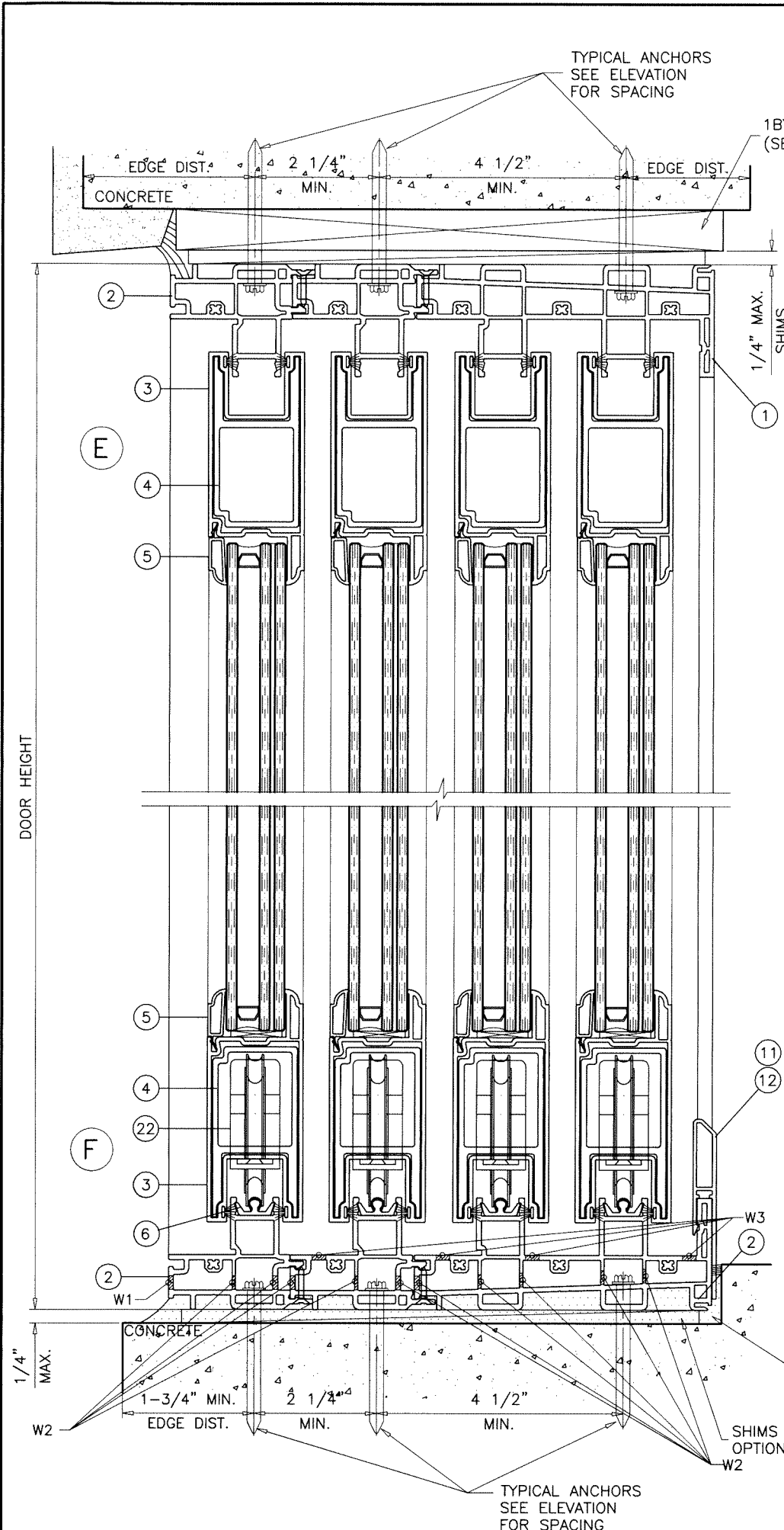
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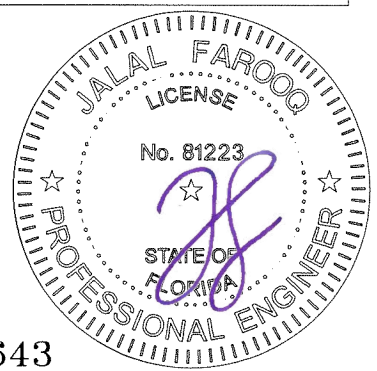
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dr. by: MLS
chk. by:

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4 TRACK FRAMES
ANCHOR LOCATIONS

Sealed: 4/16/2024

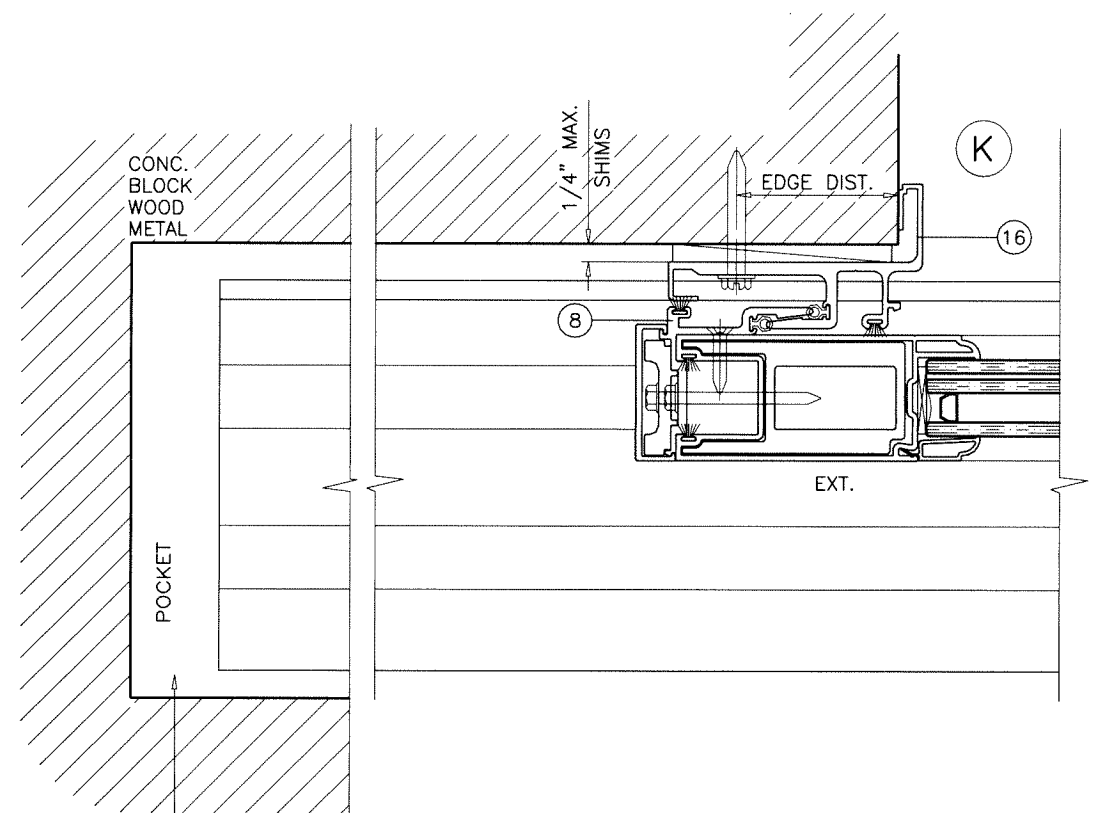
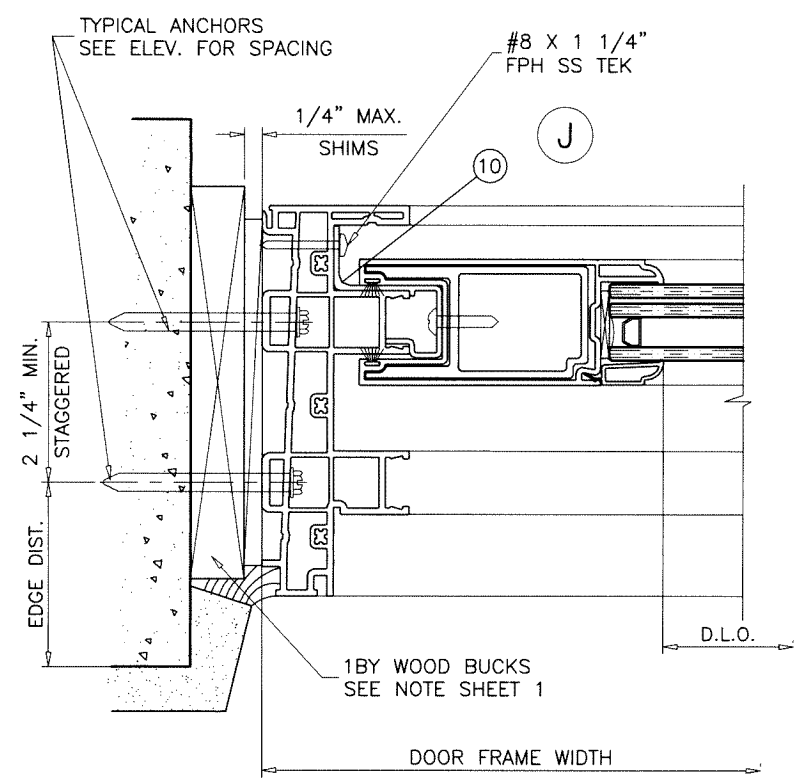
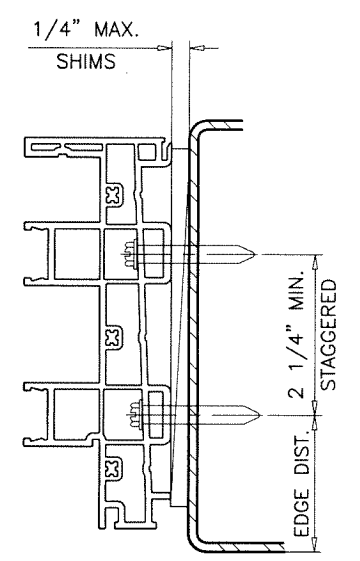
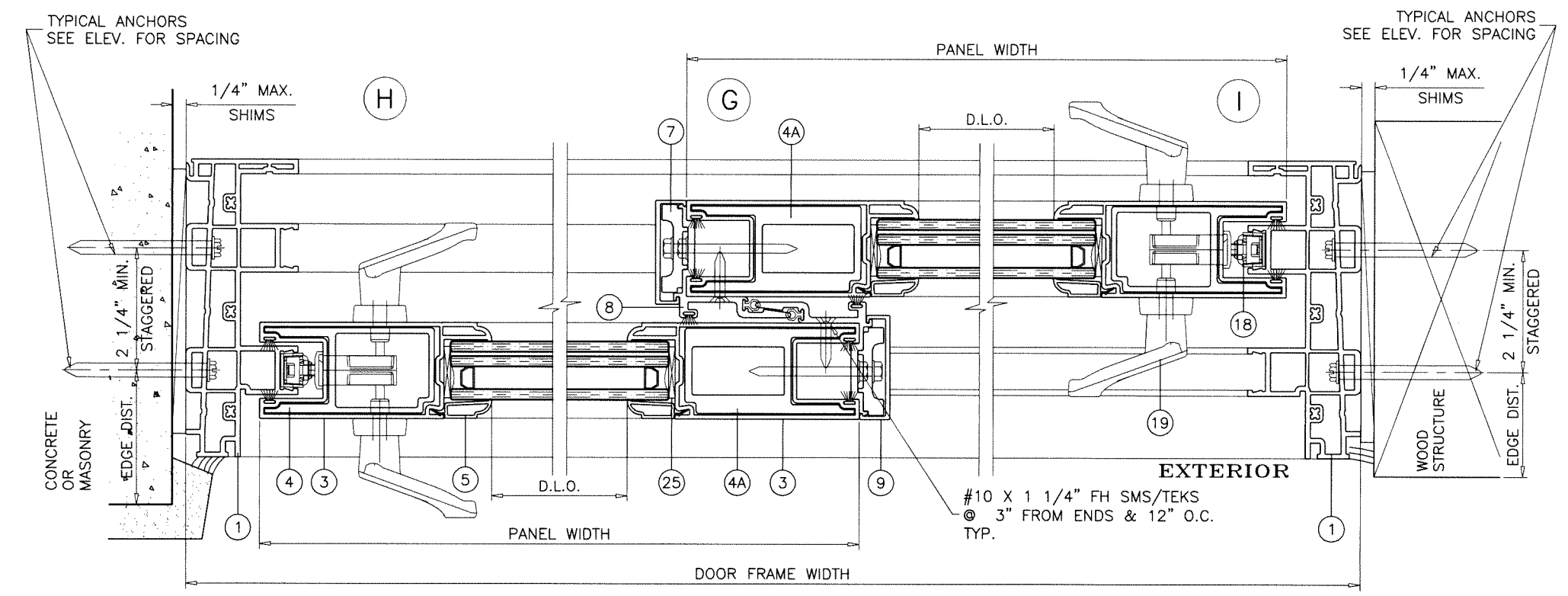


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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W18-124\WINCO

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POCKETED JAMB OPTION

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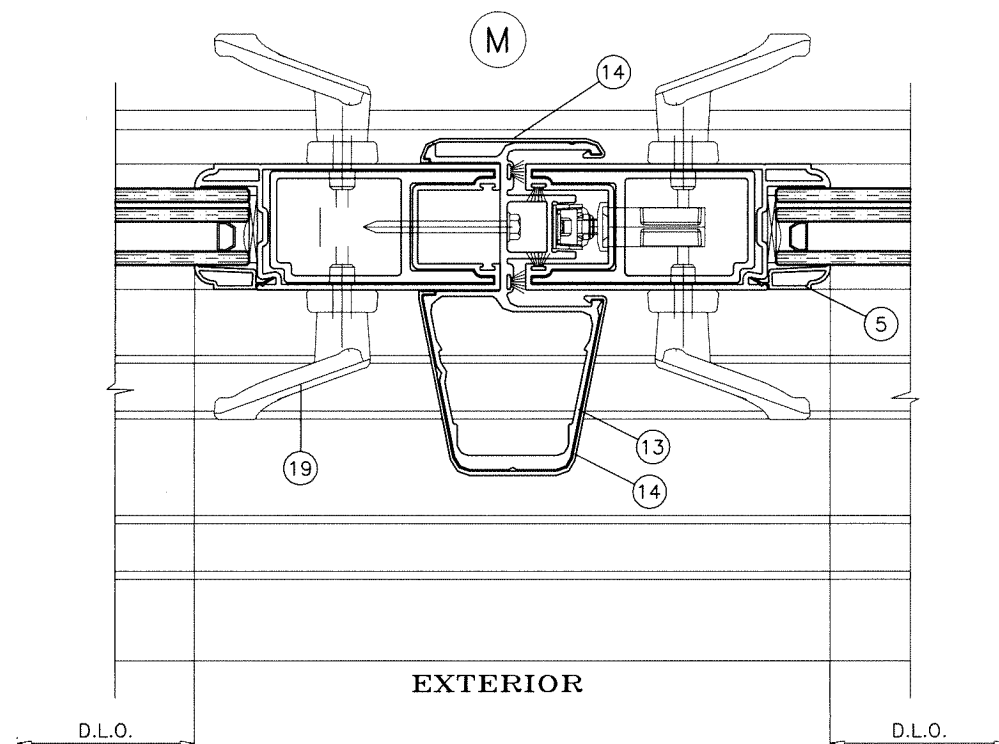
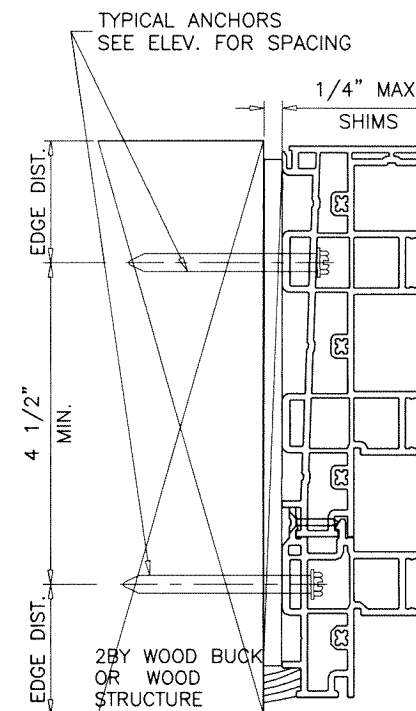
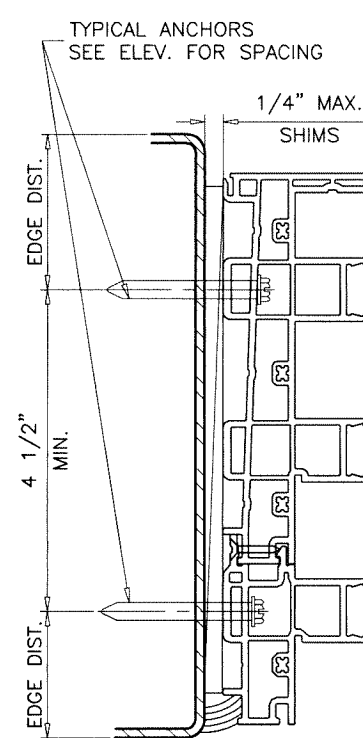
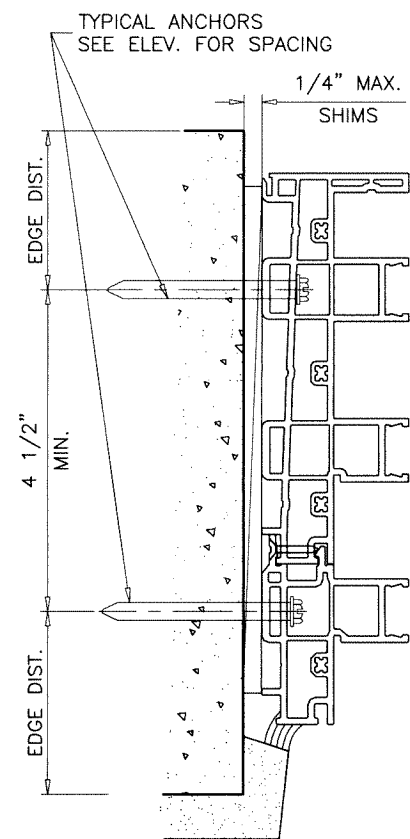
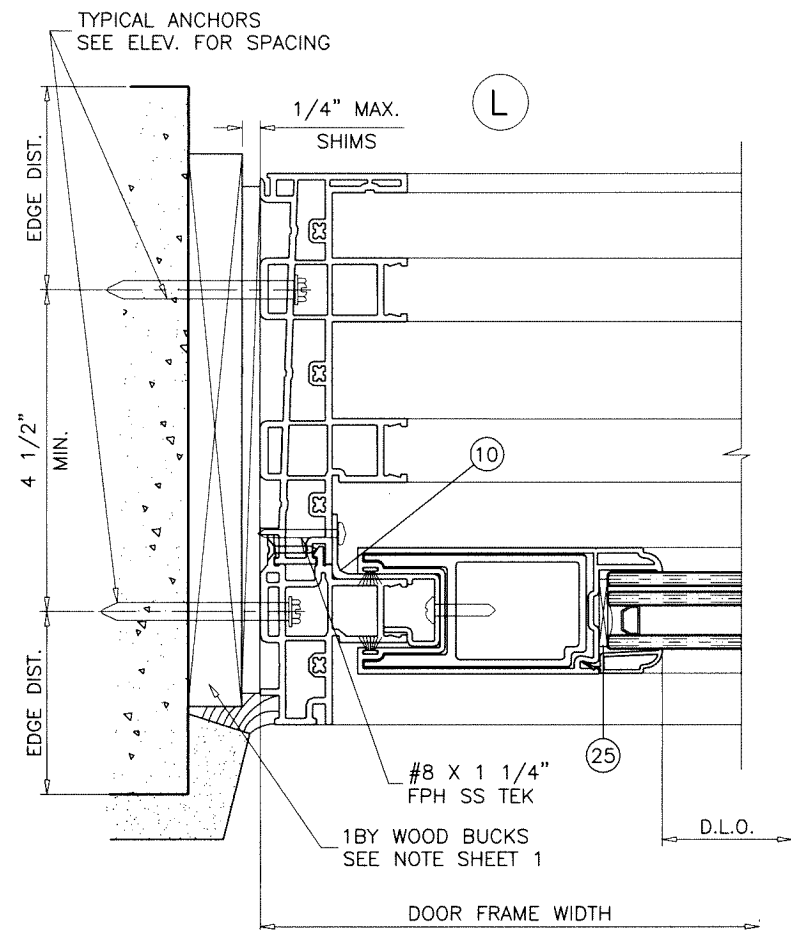
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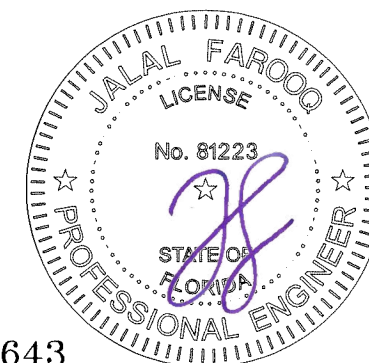
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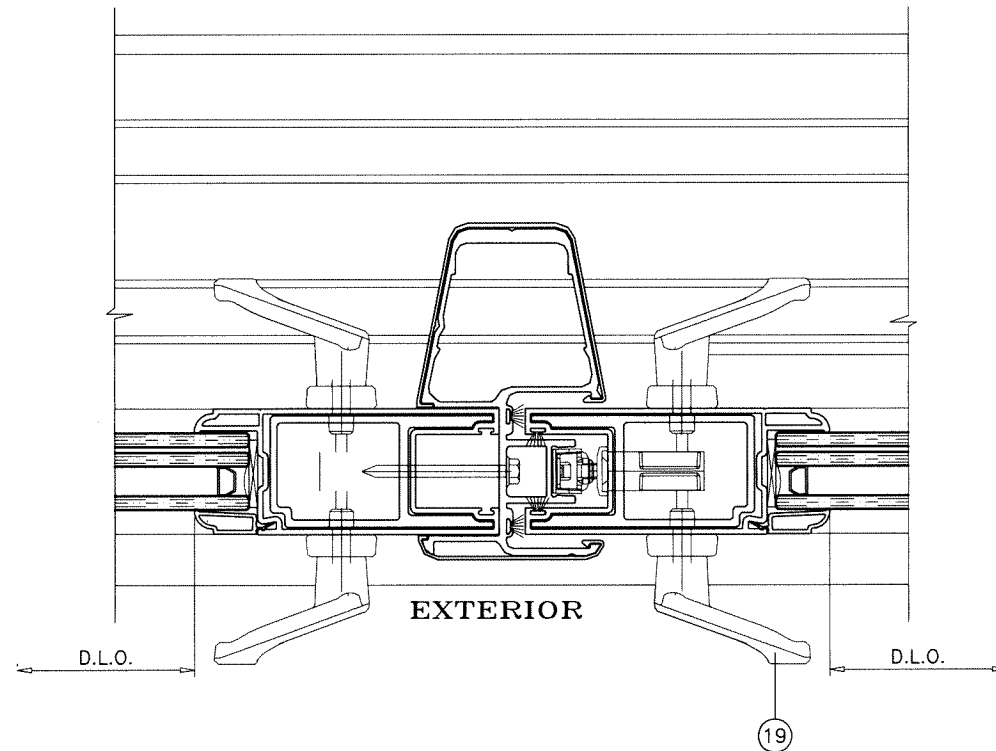
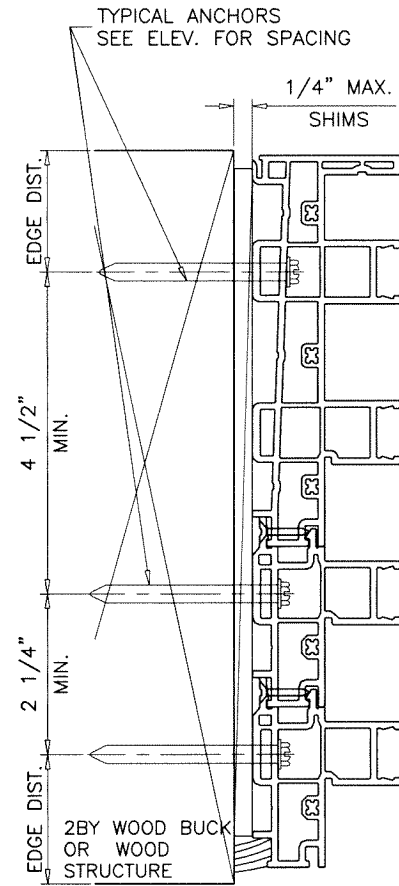
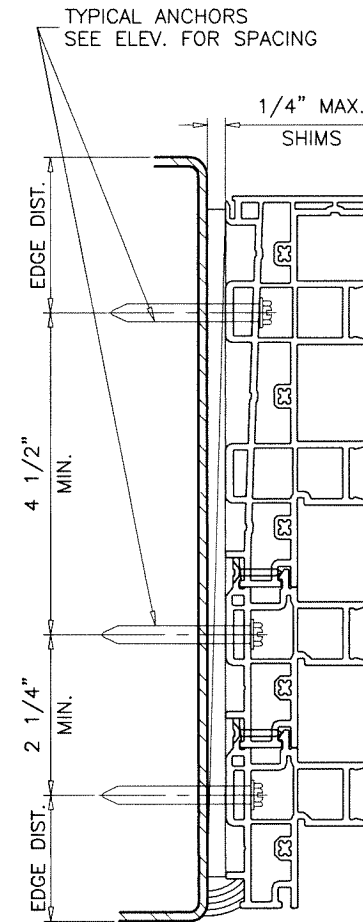
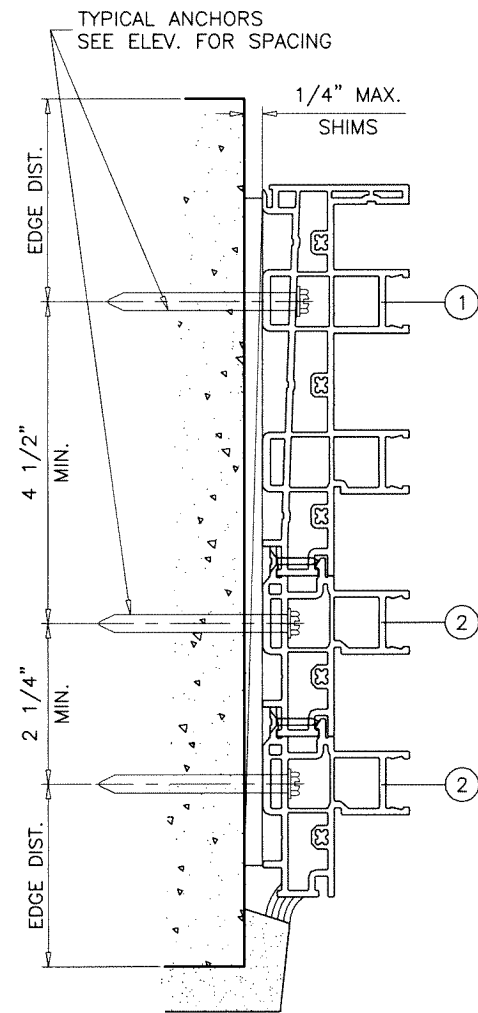
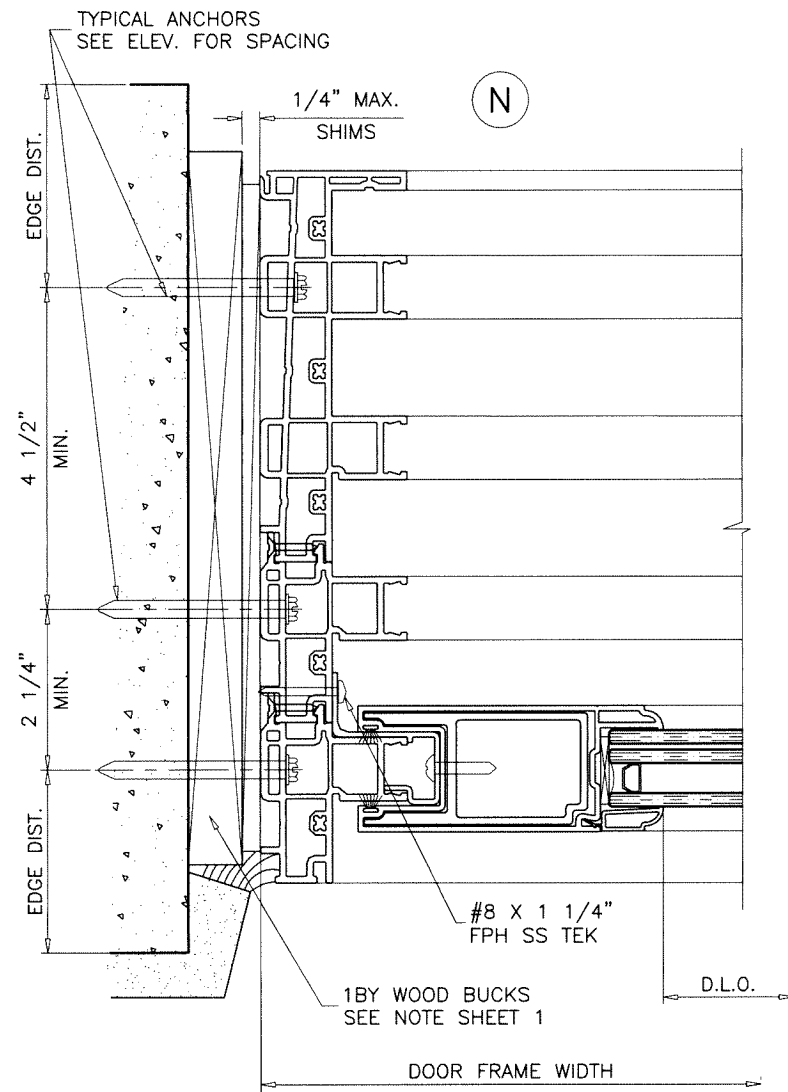
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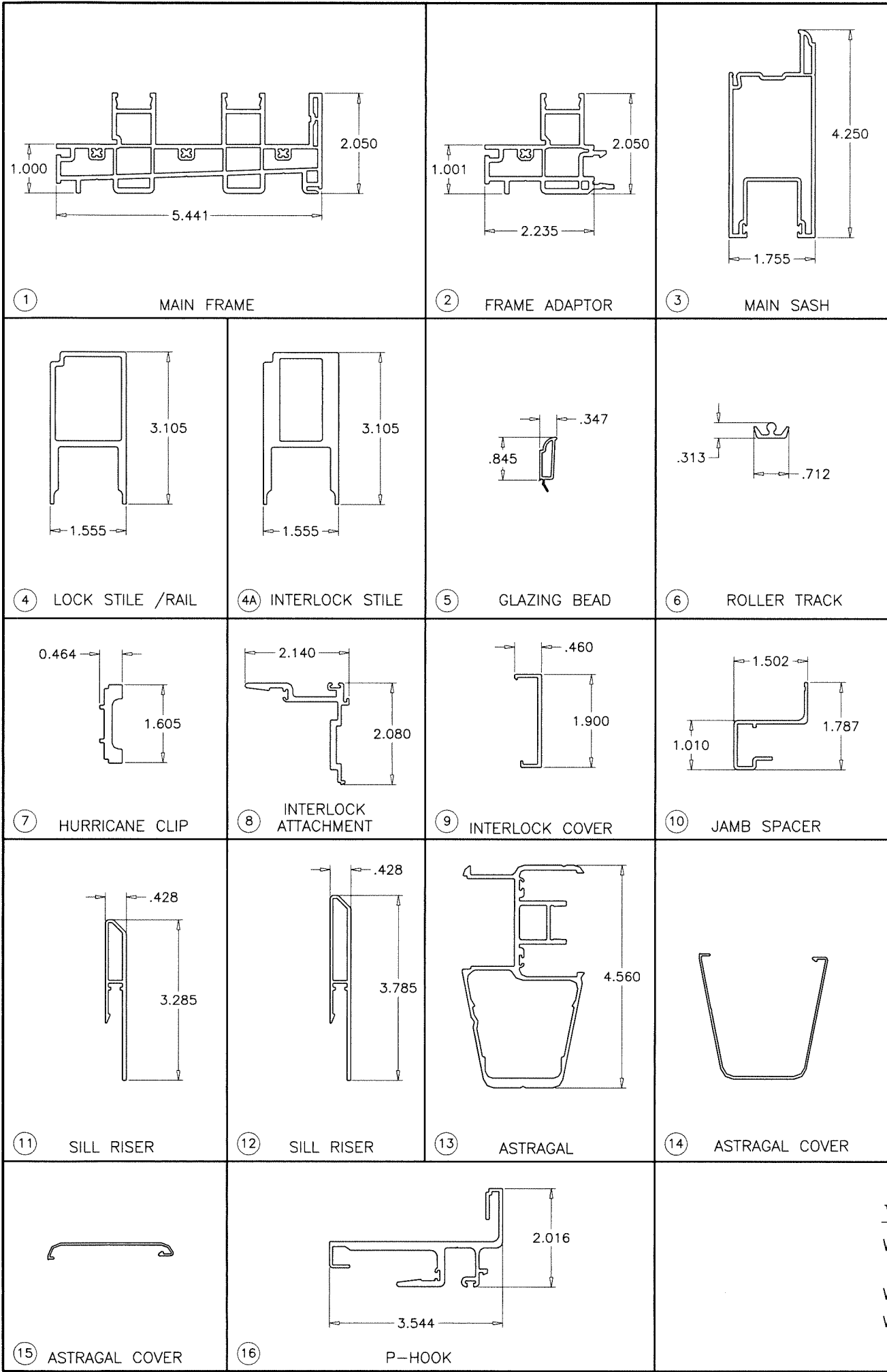
VIVINCO, INC.
P.O. BOX 499
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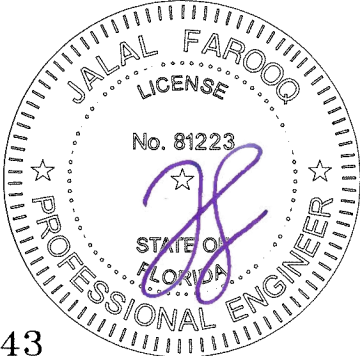
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)
COMP-ANL\W18-124\WINCO



ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
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	10001175	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	-
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'.

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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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AL-FAROOQ CORPORATION

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COMP-ANL\W18-124\VINCO

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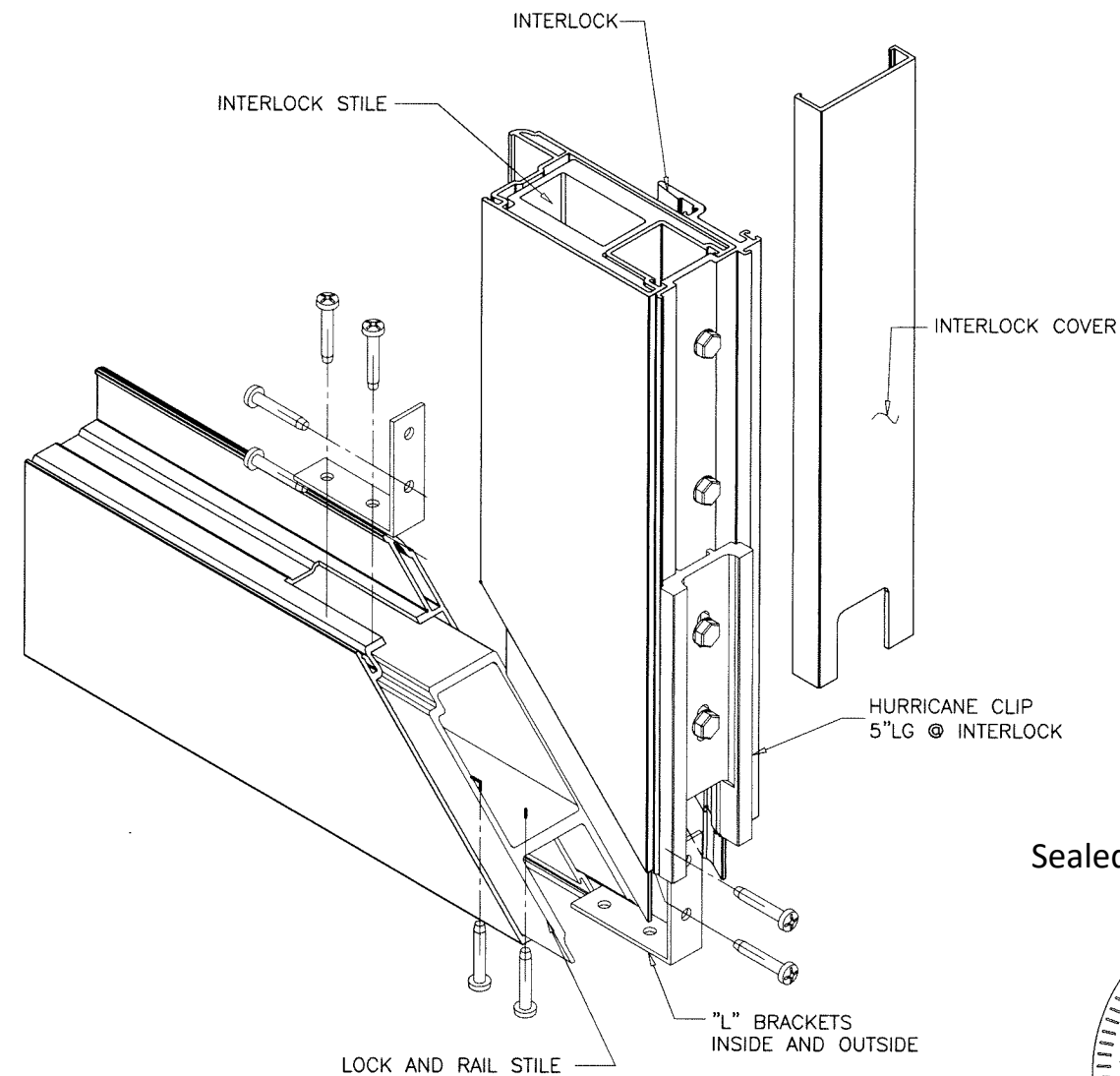
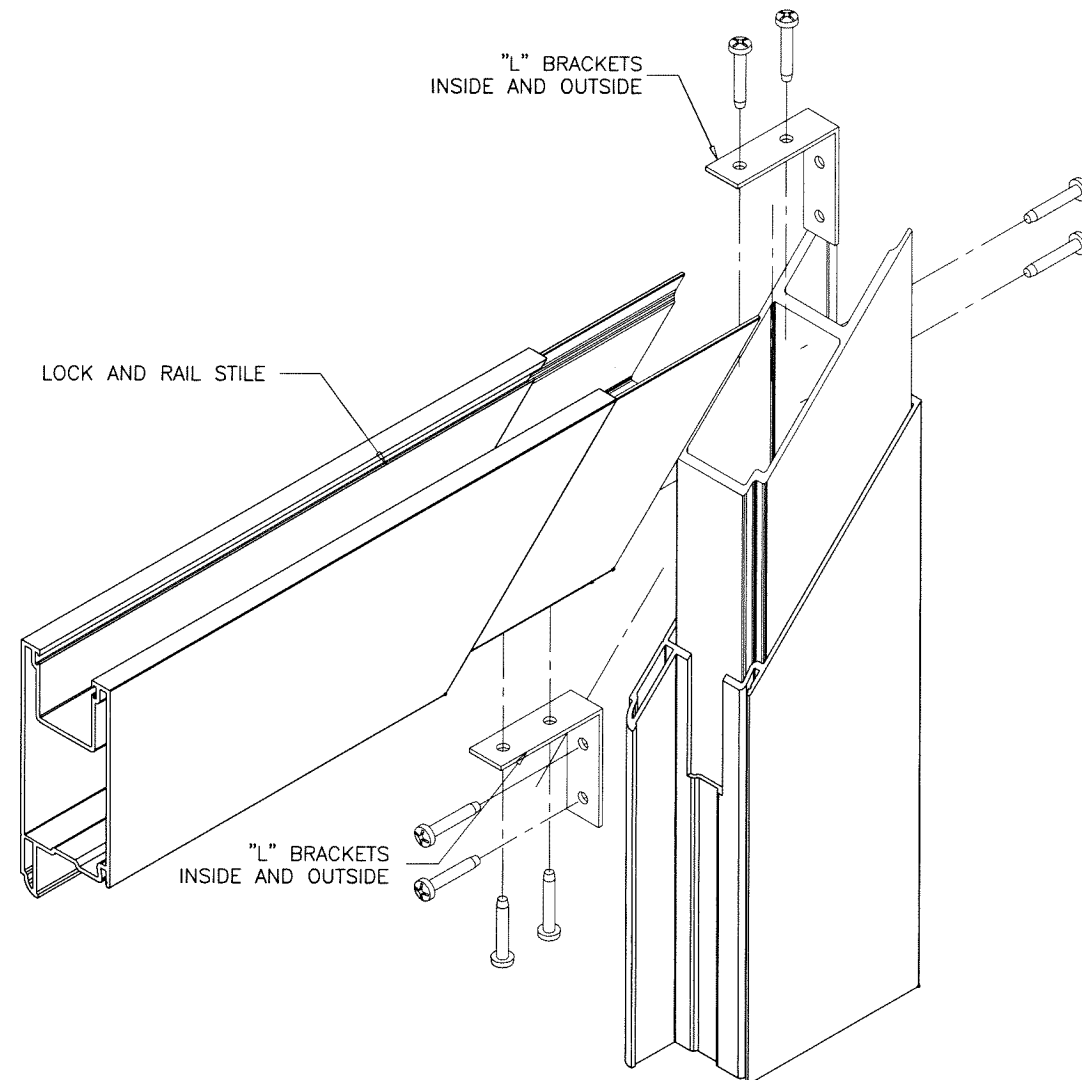
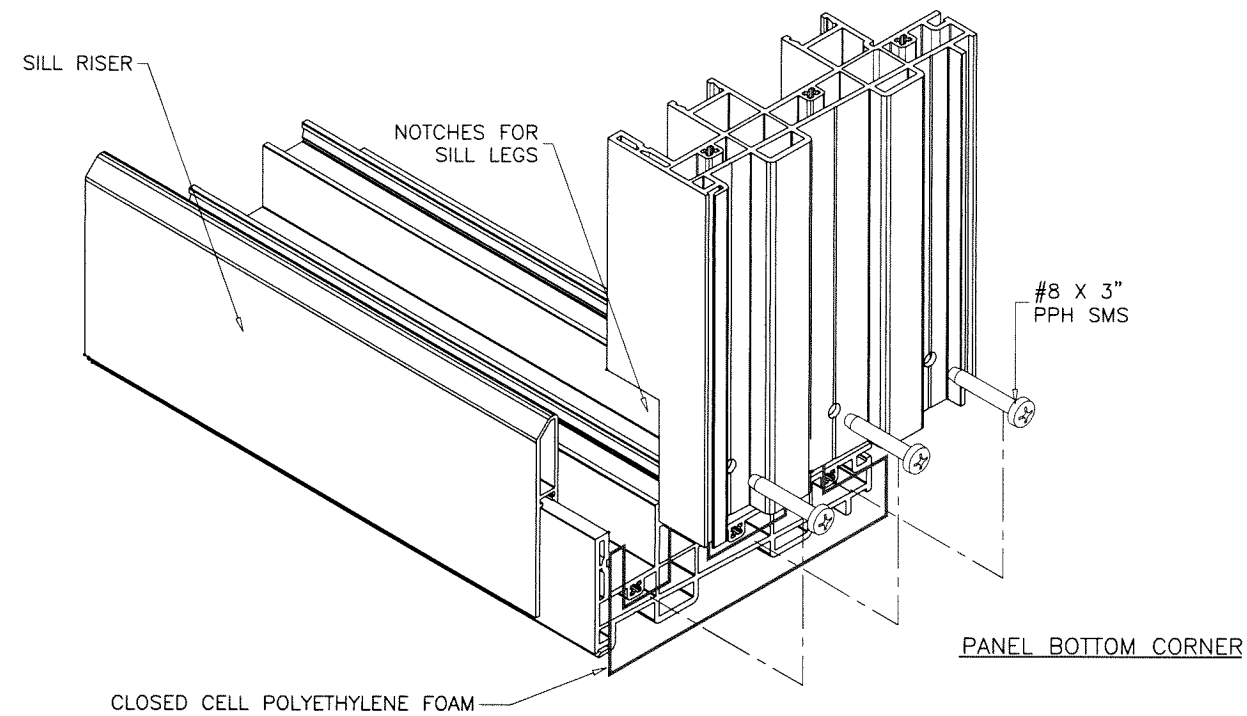
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drawing no.

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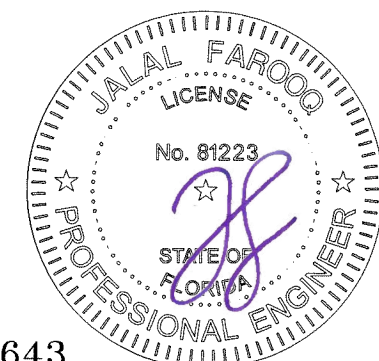
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SEALANT:

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

Sealed: 4/16/2024



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