

ALL DOOR INSTALLATIONS MUST BE IN ACCORDANCE WITH EGS INSTALLATION INSTRUCTIONS.
ALL SEALANTS TO BE TREMCO SPECTREM 2 OR EQUAL.
(EQUAL SEALANTS MUST BE TESTED BY SEALANT MANUFACTURER FOR COMPATIBILITY & ADHESION).

APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY AHJ.

DAYLITE OPENINGS:
D.L.O. HEIGHT = PANEL HEIGHT - 8.875"
D.L.O. WIDTH = PANEL WIDTH - 7.313"
PANEL HEIGHT = DOOR HEIGHT - 2"

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

ATLANTIC SERIES 160HP (LM)
ALUMINUM SLIDING GLASS DOOR

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF DOORS.
USING CHART ON SHEET 3 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOADS REQUIRED.
LOWER DESIGN PRESSURES FROM GLASS OR ANCHOR CHARTS WILL APPLY TO ENTIRE SYSTEM.

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

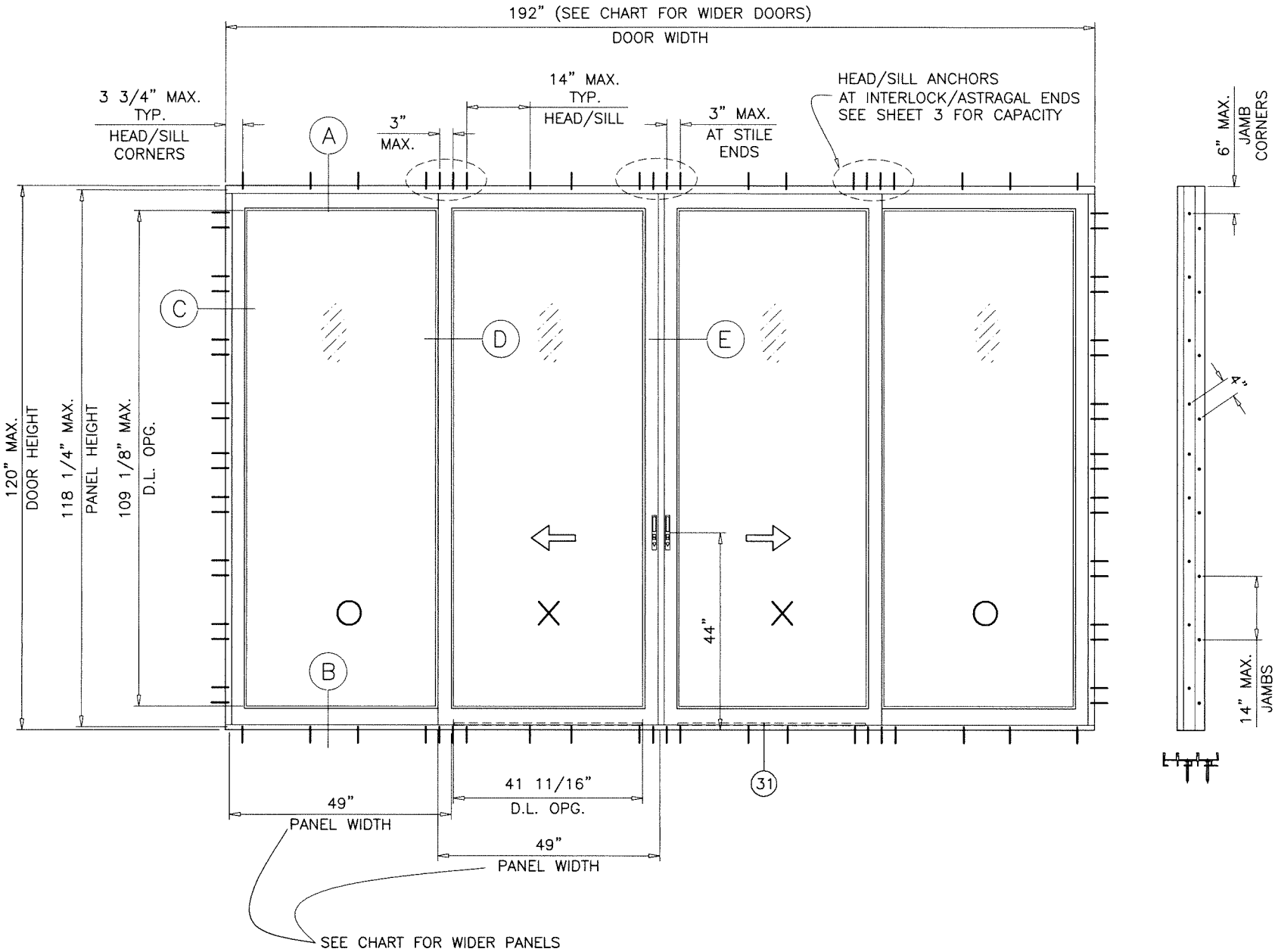
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

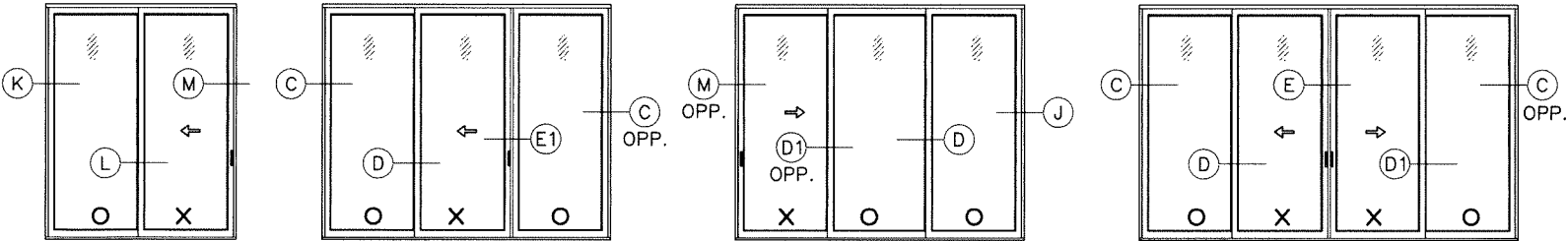
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

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.



TYPICAL ELEVATION
TESTED UNIT

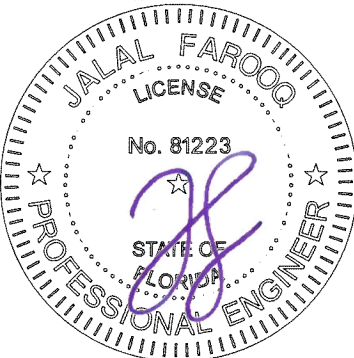


APPROVED CONFIGURATIONS

TWO TRACK FRAME DOOR CONFIGURATIONS OF MORE THAN FOUR PANELS USING STILE COMBINATIONS SHOWN IN THESE DETAILS MAY ALSO BE APPROVED (EXAMPLE OOXO).
MAX. OVERALL FRAME AREA NOT TO EXCEED 240.0 SQ. FT.

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.

Sealed: 4/24/2025 FL #47488



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FBPE #3538

ATLANTIC SERIES 160HP (LM) SLIDING GLASS DOOR
EGS INTERNATIONAL, LLC
2799 SW 34th Avenue
Pembroke Park, FL 33023
Phone: (954) 519-7536
www.egsinternationalllc.com

revisions:		no date by description	
date:	04-04-25	scale:	3/8"=1'-0"
dr. by:	TARIQ	chk. by:	
drawing no.	25-42F	sheet	1 of 9

DESIGN LOAD CAPACITY – PSF (GLASS)			
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	9/16" OVERALL LAM. GLASS	
		EXT.(+)	INT.(–)
30 36 39–1/4 42 48 50 53 56 60	96	130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
30 36 39–1/4 42 48 50 53 56	102	130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
30 36 39–1/4 42 48 50 53	108	130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
30 36 39–1/4 42 48 50	114	130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
30 36 39–1/4 42 48	120	130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0
		130.0	160.0

DOOR SIZES TO COMPLY WITH FBC EGRESS REQUIREMENTS AS APPLICABLE.

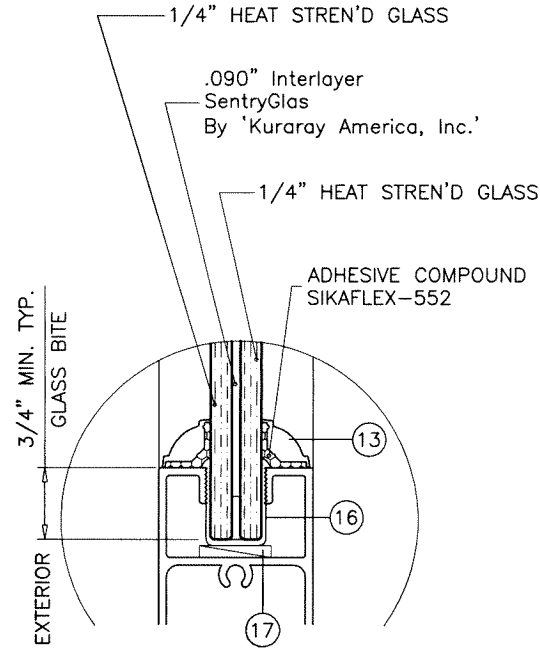
(INTERPOLATION BETWEEN WIDTHS ALLOWED)

SHOWN CAPACITIES ARE FOR
4.938" SILL HEIGHTS
LIMIT EXTERIOR(+) LOADS AS FOLLOWS
3.750" SILL HT. = +80.0 PSF
3.188" SILL HT. = +53.3 PSF
2.500" SILL HT. = SEE NOTE BELOW

2.500" SILL HEIGHTS CAN BE USED FOR INSTALLATIONS
WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED
OR WHERE OVERHANG RATIO COMPLIES WITH FBC REQUIREMENTS.

PANEL WIDTH NOMINAL = $\frac{\text{OVERALL DOOR WIDTH}}{\text{NUMBER OF PANELS}}$
PANEL HEIGHT = DOOR HEIGHT – 2"
MAX. OVERALL DOOR WIDTH ANY CONFIGURATION = 192"

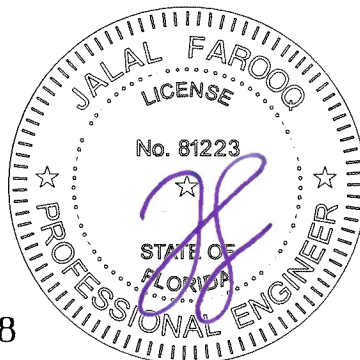
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300–09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05–DEC–219



GLAZING DETAIL
9/16" OVERALL LAM. GLASS

Sealed: 4/24/2025

FL #47488



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chk. by:

drawing no.
25-42F

sheet 2 of 9

WOOD BUCKS NOT BY 'EGS INTL.', MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

AT HEAD

TYPE 'A' - 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONCRETE
1-1/4" MIN. EMBED INTO CONCRETE

TYPE 'B' - 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED

TYPE 'C' - 1/4" DIA. SELF DRILLING SCREWS (GRADE 5 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/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)

AT SILL

TYPE 'B' - 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED

AT JAMBS

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
THRU 1BY BUCKS INTO BLOCKS
1-1/4" MIN. EMBED INTO BLOCKS

DIRECTLY INTO BLOCKS
1-1/4" MIN. EMBED INTO BLOCKS

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONCRETE
1-1/4" MIN. EMBED INTO CONCRETE

DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED INTO CONCRETE

#14 SMS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

INTO CONCRETE = 2-1/2" 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.

ALL INSTALLATION ANCHOR HEADS TO BE SEALED & EXPOSED
ANCHORS TO BE CAPPED WITH ALUM. BUTTON COVERS.

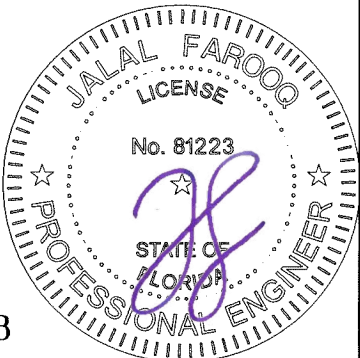
ALL JAMB ANCHORS TO BE SPACED AS SHOWN
ON ELEVATION ON SHEET 1

HEAD ANCHOR LOAD CAPACITY - PSF				
ANCHOR TYPES		'A'		'B' & 'C'
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	84	160.0	160.0	160.0
36		160.0	160.0	160.0
39-1/4		160.0	160.0	160.0
42		160.0	160.0	160.0
48		160.0	160.0	160.0
50		160.0	160.0	160.0
53		160.0	160.0	160.0
56		160.0	160.0	160.0
60		160.0	160.0	160.0
30	90	160.0	160.0	160.0
36		160.0	160.0	160.0
39-1/4		160.0	160.0	160.0
42		160.0	160.0	160.0
48		160.0	160.0	160.0
50		160.0	160.0	160.0
53		178.0	160.0	160.0
56		160.0	160.0	160.0
60		160.0	160.0	160.0
30	96	160.0	160.0	160.0
36		160.0	160.0	160.0
39-1/4		160.0	160.0	160.0
42		160.0	160.0	160.0
48		160.0	160.0	160.0
50		160.0	160.0	160.0
53		160.0	160.0	160.0
56		159.7	160.0	160.0
60		153.6	160.0	160.0
30	102	160.0	160.0	160.0
36		160.0	160.0	160.0
39-1/4		160.0	160.0	160.0
42		160.0	160.0	160.0
48		160.0	160.0	160.0
50		158.0	160.0	160.0
53		152.0	160.0	160.0
56		146.8	160.0	160.0
30	108	160.0	160.0	160.0
36		160.0	160.0	160.0
39-1/4		160.0	160.0	160.0
42		160.0	160.0	160.0
48		150.9	160.0	160.0
50		146.6	160.0	160.0
53		140.8	160.0	160.0
30	114	160.0	160.0	160.0
36		160.0	160.0	160.0
39-1/4		160.0	160.0	160.0
42		155.7	160.0	160.0
48		140.8	160.0	160.0
50		136.7	160.0	160.0
53		131.2	160.0	160.0
30	120	160.0	160.0	160.0
36		160.0	160.0	160.0
39-1/4		154.4	160.0	160.0
42		146.3	160.0	160.0
48		132.0	160.0	160.0
50		128.1	157.6	160.0

SILL ANCHOR LOAD CAPACITY - PSF		
ANCHOR TYPES		'B'
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	8 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (-)
30	84	160.0
36		160.0
39-1/4		160.0
42		160.0
48		160.0
50		160.0
53		160.0
56		160.0
60		160.0
30	90	160.0
36		160.0
39-1/4		160.0
42		160.0
48		160.0
50		160.0
53		160.0
56		160.0
60		160.0
30	96	160.0
36		160.0
39-1/4		160.0
42		160.0
48		160.0
50		160.0
53		160.0
56		160.0
60		160.0
30	102	160.0
36		160.0
39-1/4		160.0
42		160.0
48		160.0
50		160.0
53		160.0
56		160.0
30	108	160.0
36		160.0
39-1/4		160.0
42		160.0
48		160.0
50		160.0
53		160.0
30	114	160.0
36		160.0
39-1/4		160.0
42		160.0
48		160.0
50		160.0
53		160.0
30	120	160.0
36		160.0
39-1/4		160.0
42		160.0
48		160.0
50		160.0

PANEL WIDTH NOMINAL = OVERALL DOOR WIDTH / NUMBER OF PANELS

PANEL HEIGHT = DOOR HEIGHT - 2"



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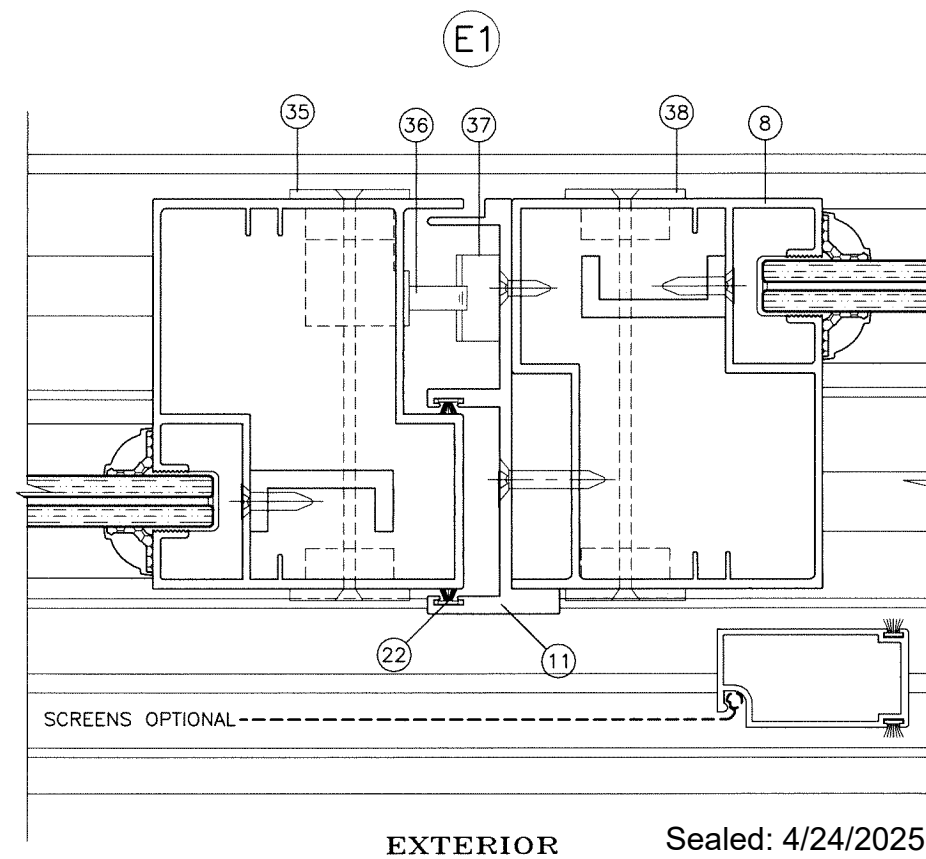
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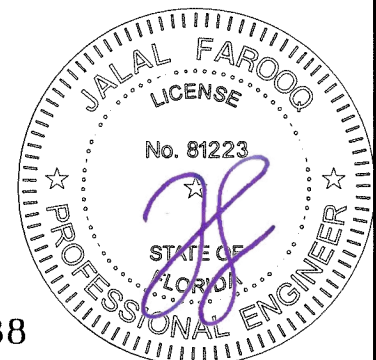
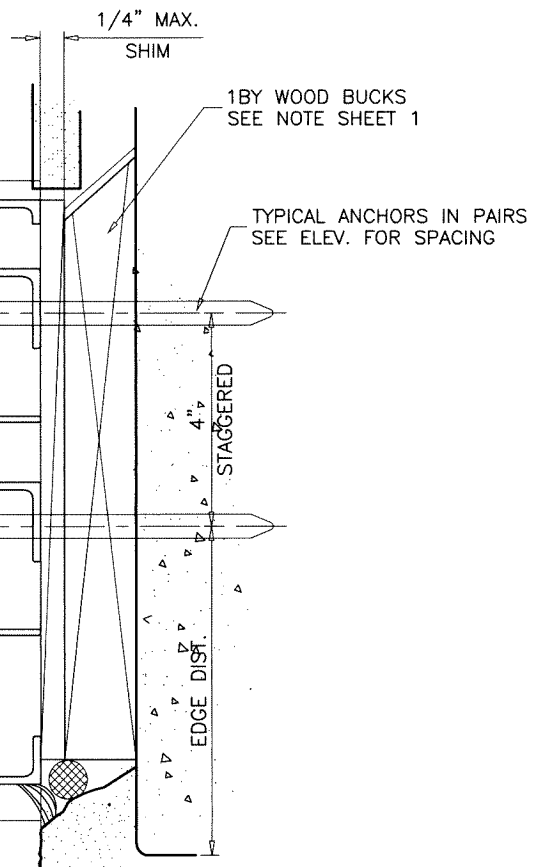
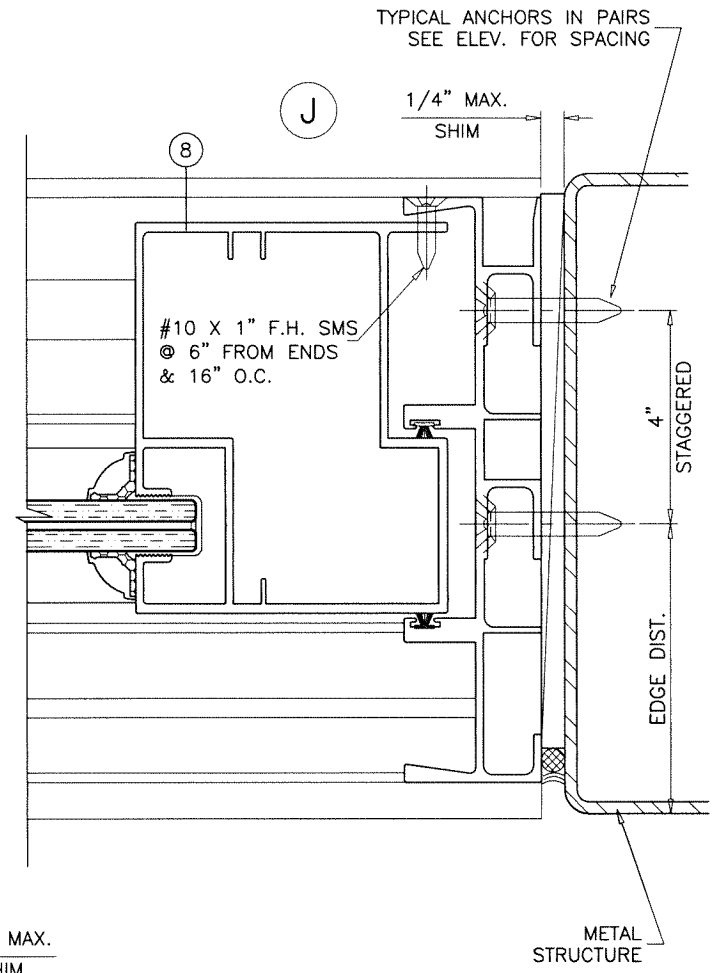
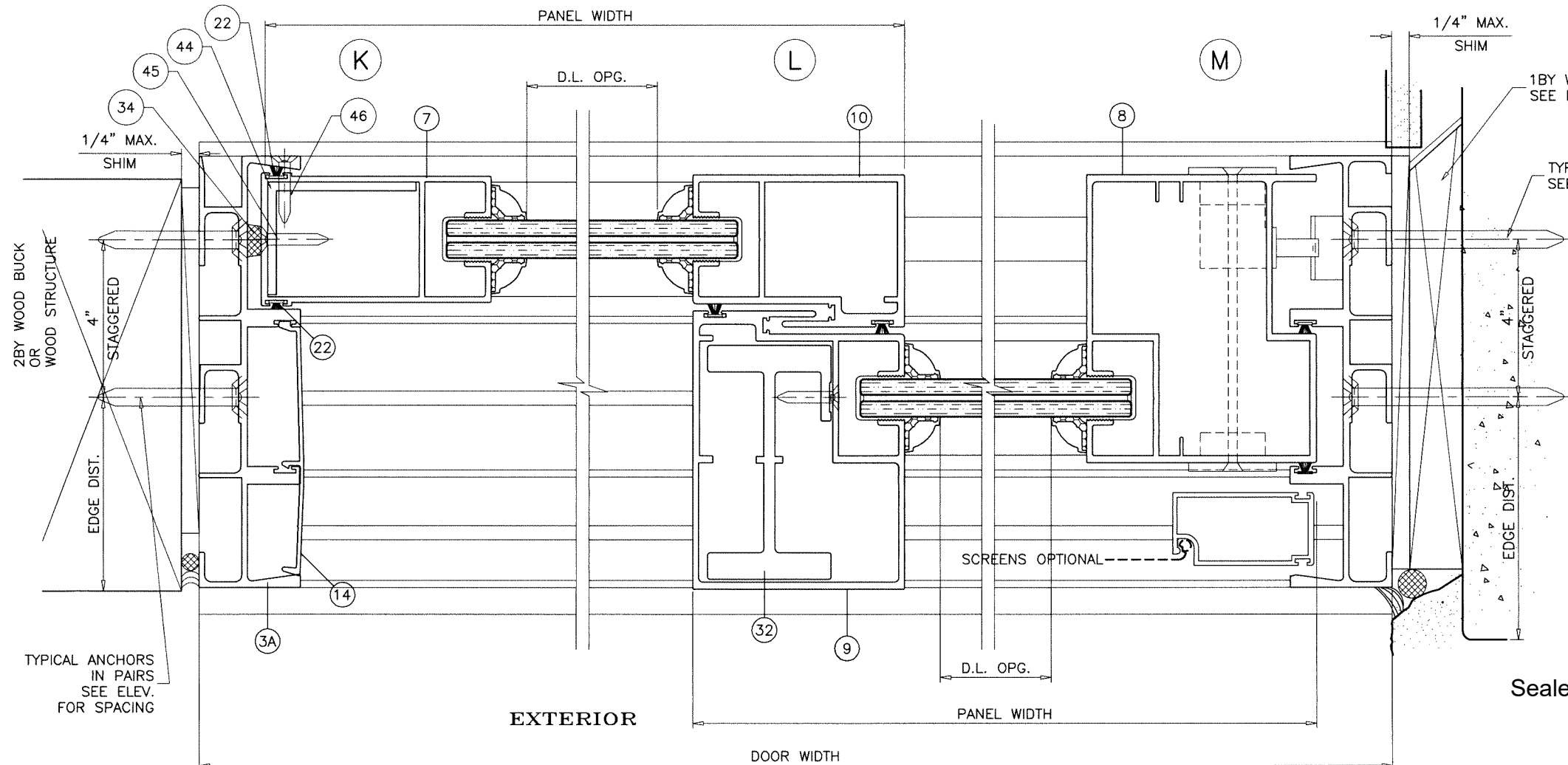
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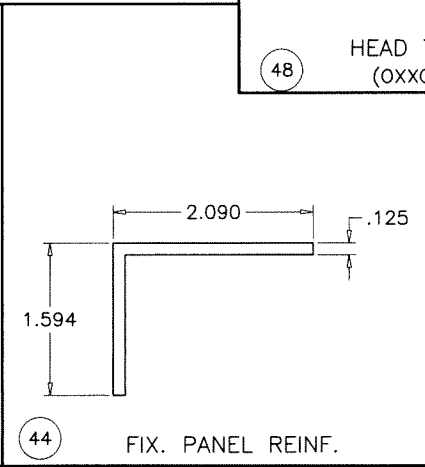
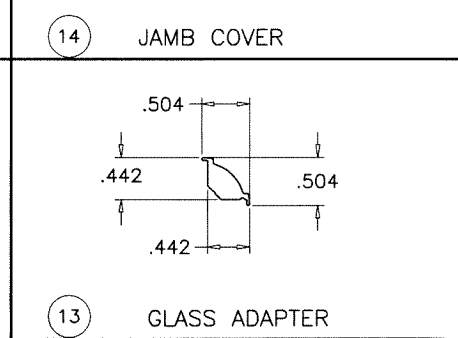
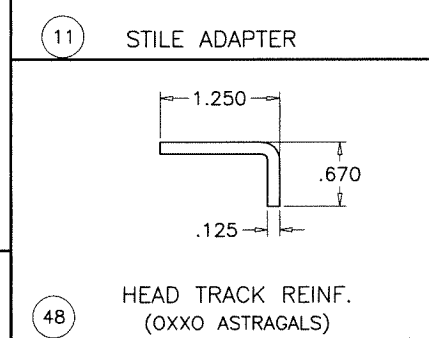
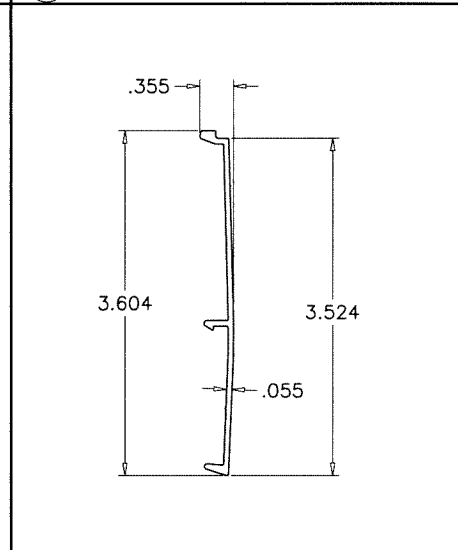
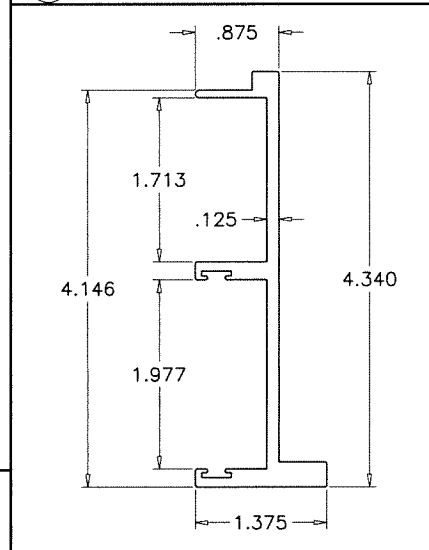
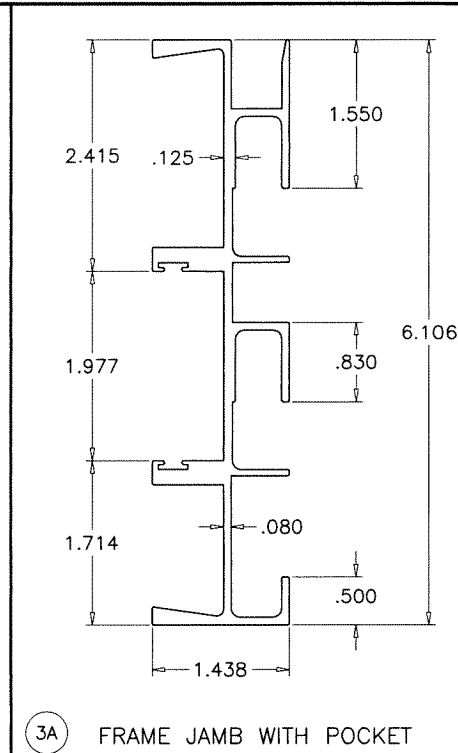
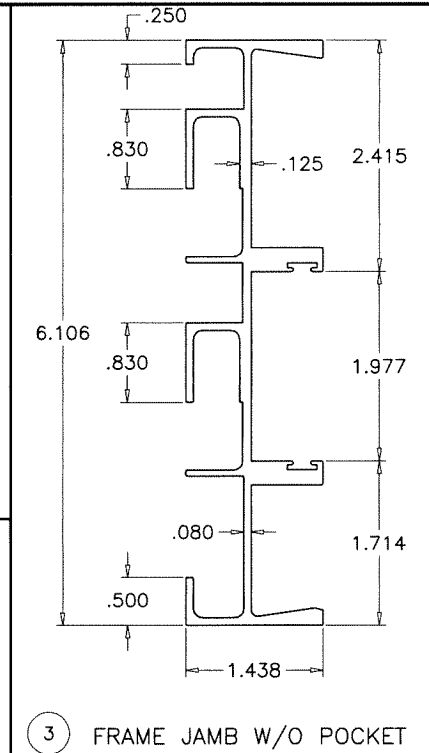
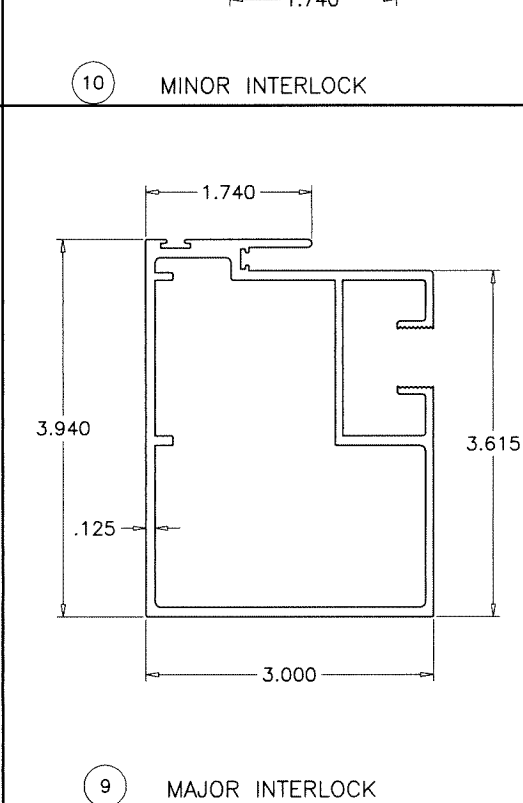
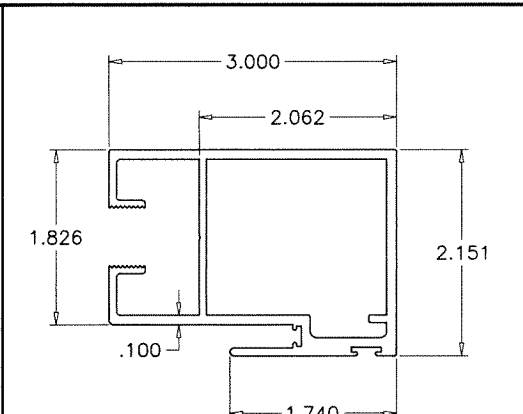
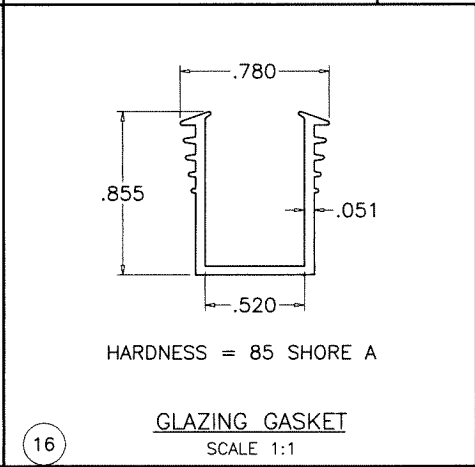
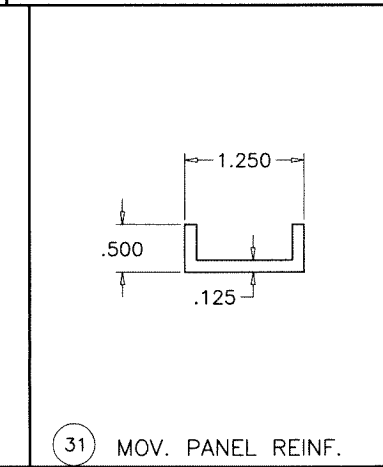
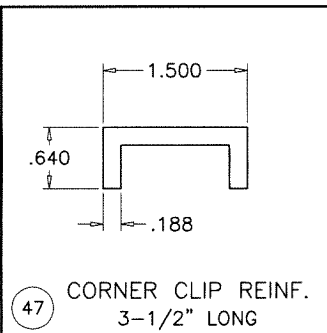
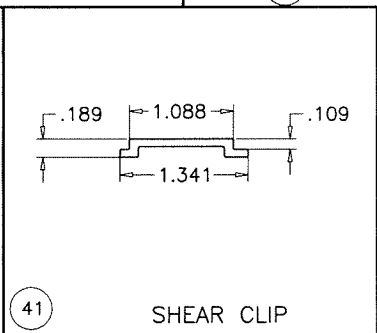
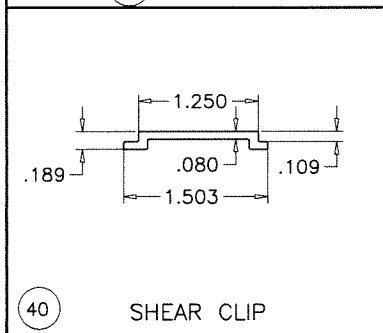
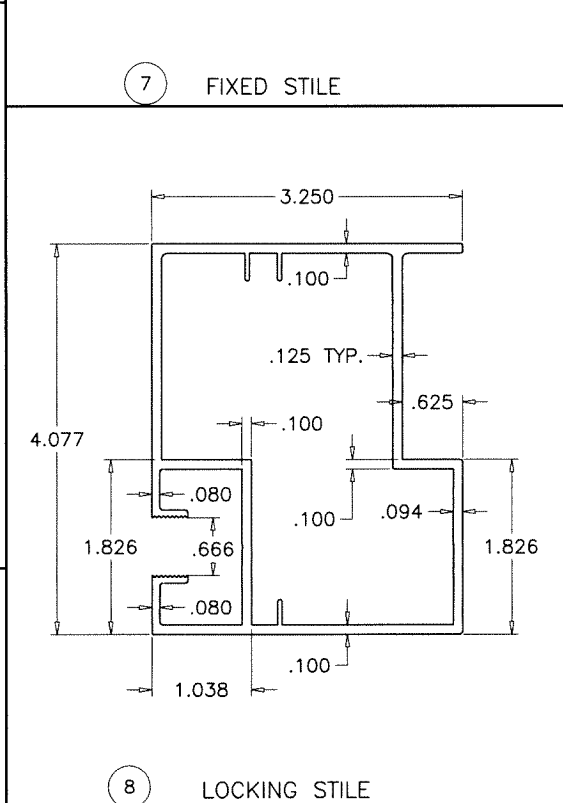
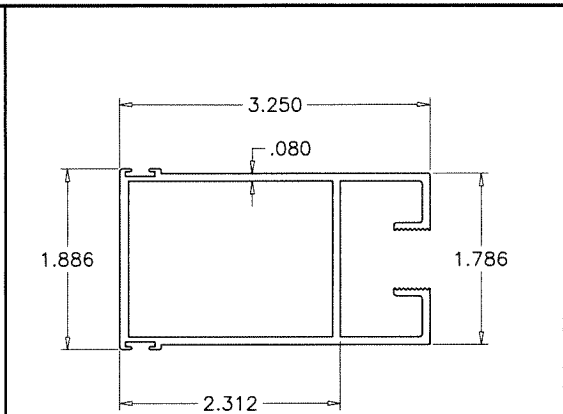
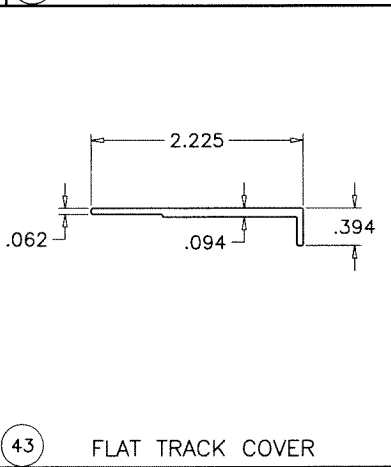
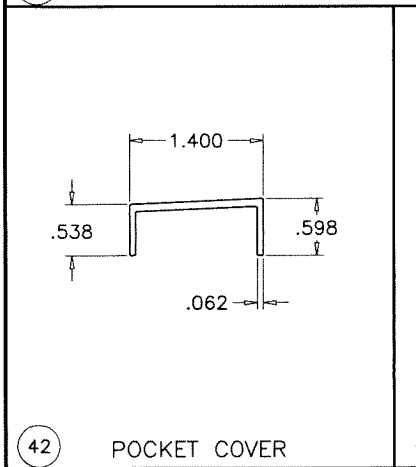
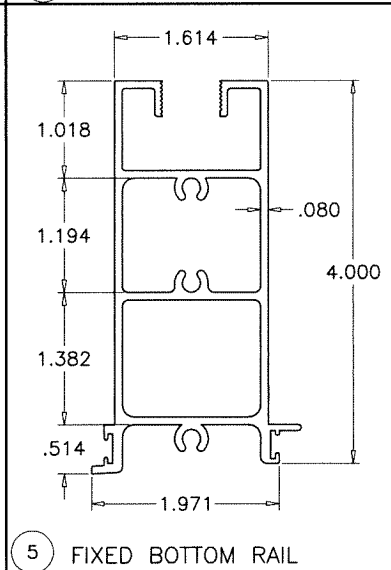
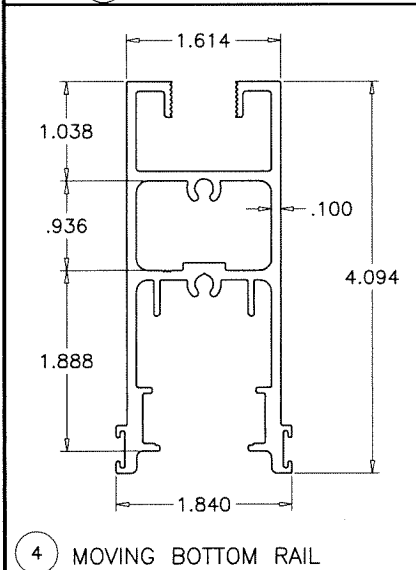
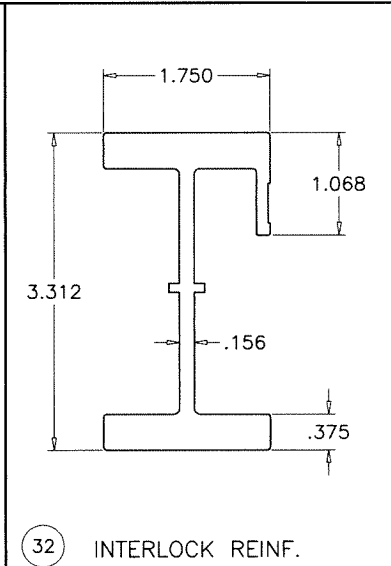
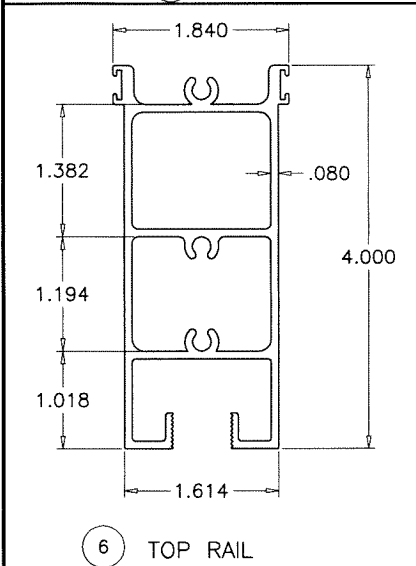
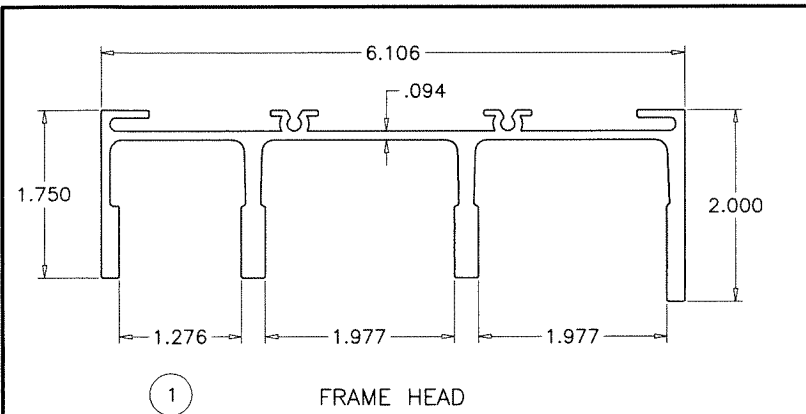
COMP-ANL\25-42F-EGS

ATLANTIC SERIES 160HP (LM) SLIDING GLASS DOOR

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2799 SW 34th Avenue
Pembroke Park, FL 33023
Phone: (954) 519-7536
www.egsinternationalllc.com

revisions:		date		by description	
no	date	no	date	no	date

date: 04-04-25	scale: 1/2" = 1"	dr. by: TARIQ	chk. by:	drawing no. 25-42F
sheet 6 of 9				



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MIAMI, FLORIDA 33173
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revisions:	
no	date by description

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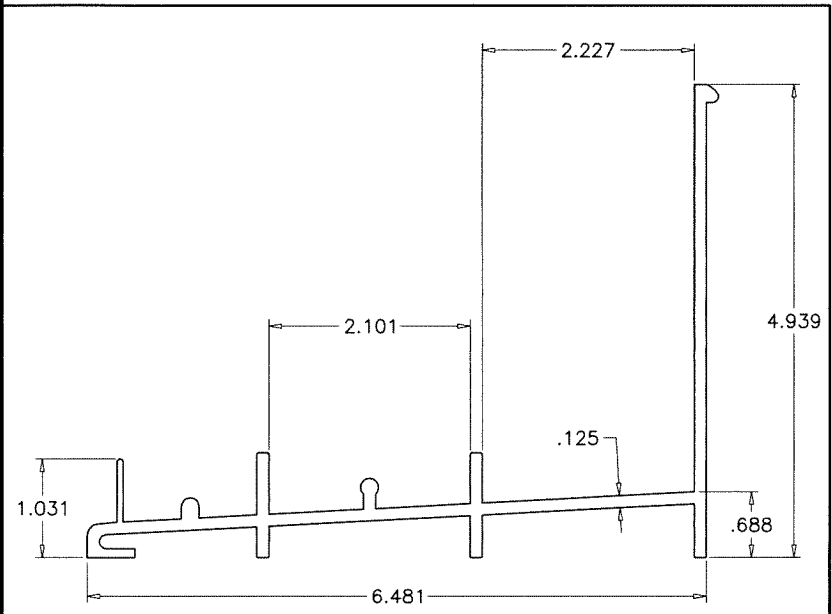
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chk. by:

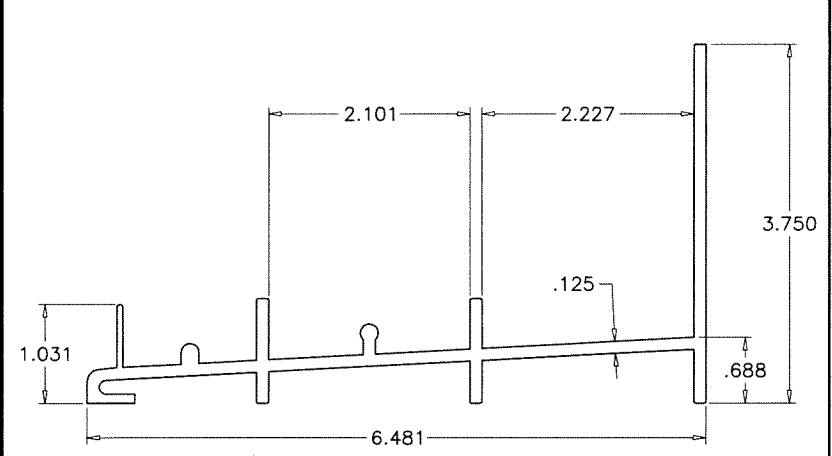
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25-42F

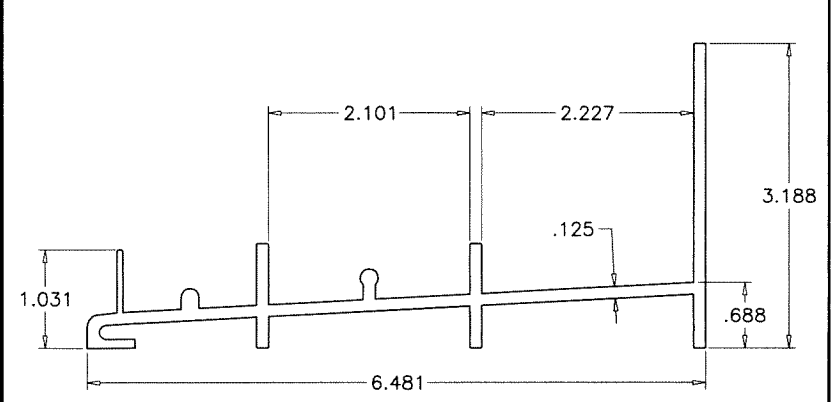
sheet 7 of 9



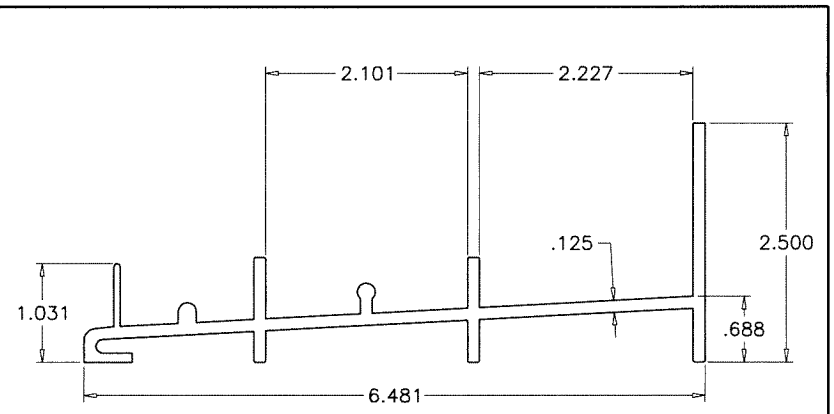
2 FRAME SILL (4-15/16")



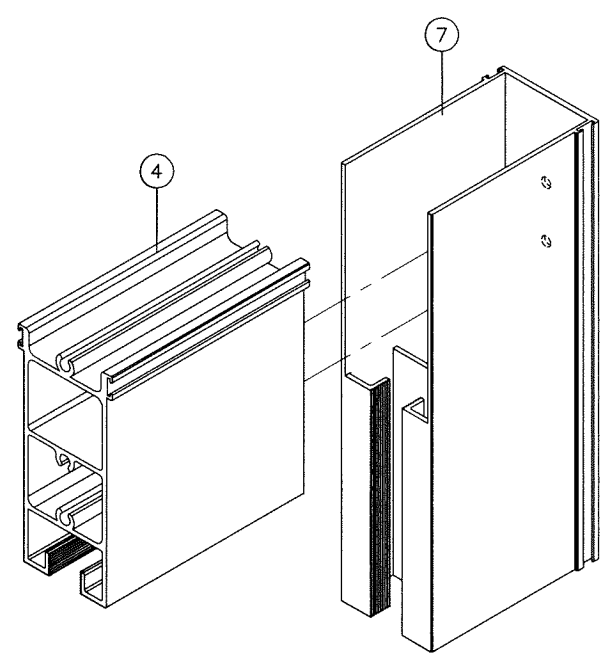
2A FRAME SILL (3-3/4")



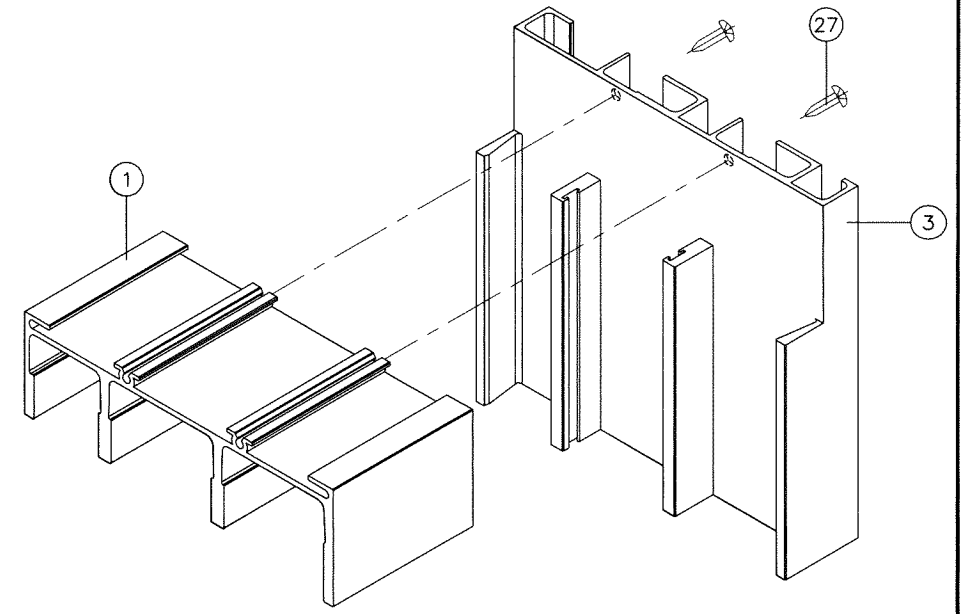
2B FRAME SILL (3-3/16")



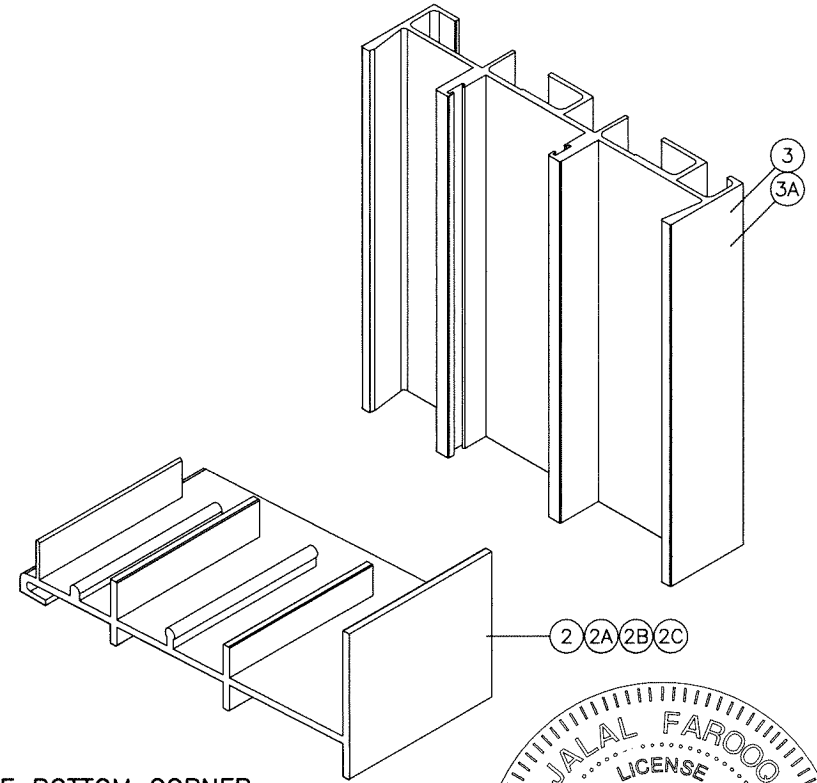
2C FRAME SILL (2-1/2")



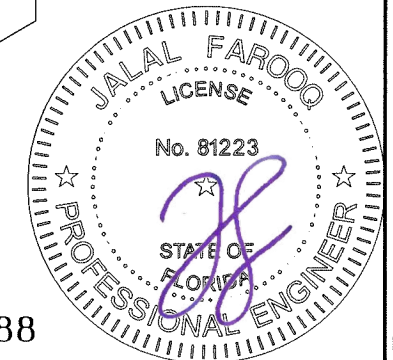
PANEL CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER



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ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	EGS-551	1	FRAME HEAD	6005-T5/6105-T5	-
2	EGS-552	1	FRAME SILL (4-15/16")	6005-T5/6105-T5	-
2A	EGS-581	1	FRAME SILL (3-3/4")	6005-T5/6105-T5	-
2B	-	1	FRAME SILL (3-3/16")	6005-T5/6105-T5	-
2C	EGS-580	1	FRAME SILL (2-1/2")	6005-T5/6105-T5	-
3	EGS-567	2	FRAME JAMB W/O POCKET	6005-T5/6105-T5	-
3A	EGS-553	2	ALT. FRAME JAMB W/ POCKET	6005-T5/6105-T5	-
4	EGS-573	1/MOV. PANEL	MOVING HORIZ. BOTT. RAIL	6005-T5/6105-T5	-
5	EGS-572	1/FIX. PANEL	FIXED HORIZ. BOTT. RAIL	6005-T5/6105-T5	-
6	EGS-571	1/PANEL	TOP RAIL	6005-T5/6105-T5	-
7	EGS-574	AS REQD.	FIXED STILE	6005-T5/6105-T5	-
8	EGS-575	AS REQD.	LOCKING STILE	6005-T5/6105-T5	-
9	EGS-576	AS REQD.	MAJOR INTERLOCK	6005-T5/6105-T5	-
10	EGS-577	AS REQD.	MINOR INTERLOCK	6005-T5/6105-T5	-
11	EGS-561	AS REQD.	STILE ADAPTER	6005-T5/6105-T5	-
13	EGS-579	AS REQD.	GLASS ADAPTER	6063-T5/6105-T5	-
14	EGS-570	AS REQD.	JAMB COVER	6063-T5/6105-T5	-
16	EGS-72-1	AS REQD.	3/4" GLAZING GASKET	SOFT PVC	TEAMPLASTICS
17	-	2/ LITE	SETTING BLOCKS, 4" LONG, AT 1/4 POINTS	EPDM	-
19	28027045/7527-6011-4	AS REQD.	FINSEAL WOOLPILE AT HORIZ. RAILS	-	AMESBURY
20	T-2836G	AS REQD.	POLYBOND FINSEAL AT MOV. BOTTOM RAIL	-	ULTRAFAB (.280H X .360 BASE)
21	38027045/7537-6011-6	AS REQD.	FINSEAL WOOLPILE AT FIX. BOTTOM RAIL	-	AMESBURY
22	21027045/7420-6011-2	AS REQD.	FINSEAL WOOLPILE AT VERT. STILES & SWEEP	-	AMESBURY
27	#8 X 3/4"	2/ CORNER	FRAME ASSEMBLY SCREWS	ST. STEEL	PH SMS
28	#12 X 1"	2/ CORNER	PANEL ASSEMBLY SCREWS, W/ BLACK NYLON ISOLATOR WASHER (.031" THK.)	ST. STEEL	TH SMS
30	-	2/ MOV. PANEL	TANDEM WHEELS IN METALLIC HOUSING	ST. STEEL	DUAL ROLLERS
31	-	1/ MOV. PANEL	ALUM CHANNEL, FULL WIDTH OF PANEL	6063-T5/6105-T5	-
32	EGS-593	AS REQD.	INTERLOCK REINFORCEMENT (DOOR HT. - 20")	6005-T5/6105-T5	-
34	-	AS REQD.	RUBBER BUMPER SPACER	-	1/2" X 1/2" SQ. X 1/4" HIGH
39	TC2	1	TRACK COVER	ST/ST	HYGRADE
40	EGS-583	AS REQD.	SHEAR CLIP AT CLUSTERS ONLY	6005-T5/6105-T5	-
41	EGS-584	AS REQD.	SHEAR CLIP AT CLUSTERS ONLY	6005-T5/6105-T5	-
42	EGS-588	AS REQD.	POCKET COVER (AT SCREEN TRACK) OPTIONAL	6063-T5	-
43	EGS-586	-	FLAT TRACK COVER (BEHIND ROLL'G PANEL)	6063-T5	-
44	EGS-595	AS REQD.	FIX. PANEL REINF. (DH - 10")	6063-T5	-
45	#12-24 X 3/4"	-	FIXED PANEL SCREW (6" FROM PANEL END & 21" O.C. MAX.)	-	F.H. TEK (UNDERCUT)
46	#10 X 1"	-	FRAME TO PANEL SCREW (6" FROM END & 18" O.C. MAX.)	-	F.H. TEK
47	EGS-596	1/ PANEL CORNER	CORNER CLIP REINF., 3-1/2" LONG	6063-T5	-
48	EGS-597	-	HEAD TRACK REINF., 12" LONG, AT OXXO ASTRAGAL ONLY	6063-T5	AT (4) ANCHOR CLUSTER
49	SDB-100	-	DOOR BUMPER, AT TOP & BOTTOM OF MINOR INTERLOCK (INT.)	NYLON	THE ENTERPRISES
50	D5592AMG (PC)	2/ STILE	FIBER DUST PLUG W/ (2) FIN SEAL (TOP OF MINOR & MAJOR INTERLOCKS)	-	1/2"(W) X 1-1/8"(L) X 9/16" PILE HT.

LOCK:

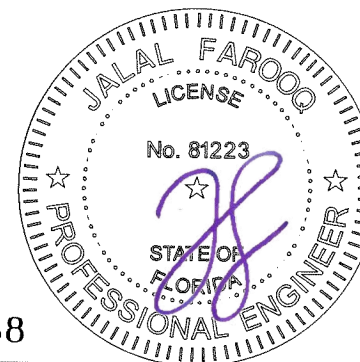
SURFACE MOUNT METALLIC HANDLE AT 44" FROM BOTTOM
FASTENED TO LOCK STILE WITH
(2) #8-32 X 4-1/2" LG. F.H. M.S.

SURFACE MOUNT METALLIC 3 PLY DUAL HOOK LOCK (304 ST/ST)
44" FROM BOTTOM
FASTENED TO LOCK STILE WITH
(2) #12-24 X 3/4" FLAT HEAD PH. DR. TEK ST/ST

SURFACE MOUNT METALLIC KEEPER AT 44" FROM BOTTOM (304 ST/ST)
FASTENED TO FRAME JAMB AND ASTRAGAL STILE WITH
(4) #10 X 1" TRUSS HEAD SMS (USE 3/4" X 1/8" ALUM BAR SHIM, 12" LONG)

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE. MAJOR INTERLOCK STILES TOP AND BOTTOM ENDS FILLED WITH EXPANDING URETHANE FOAM.



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