

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

ALUMINUM OUTSWING PIVOT DOOR

DOORS NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/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 2020/2023 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.

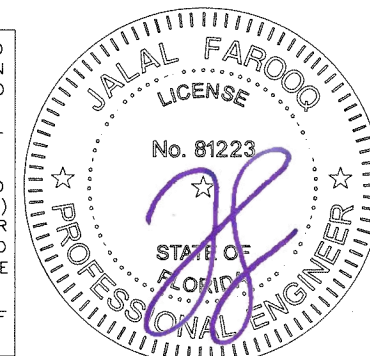
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

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.

Sealed: 10/20/2023

FL #30847

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.



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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

ALUMINUM OUTSWING PIVOT DOOR (L.M.I.)

AIR MASTER
windows and doors
P.O. Box 2097 Barceloneta, P.R. 00617,
TEL. (787) 623-1800, FAX. (787) 623-0087

| no | date | by | description |
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| A | 10.09.23 | | UPDATED TO 2023 FBC |
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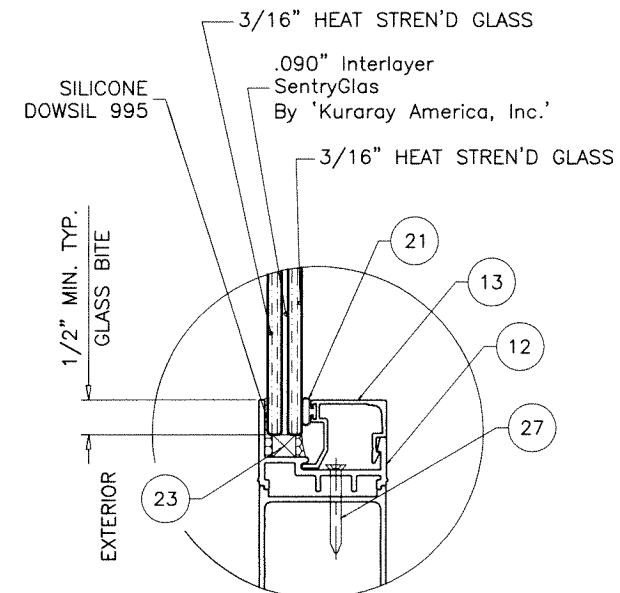
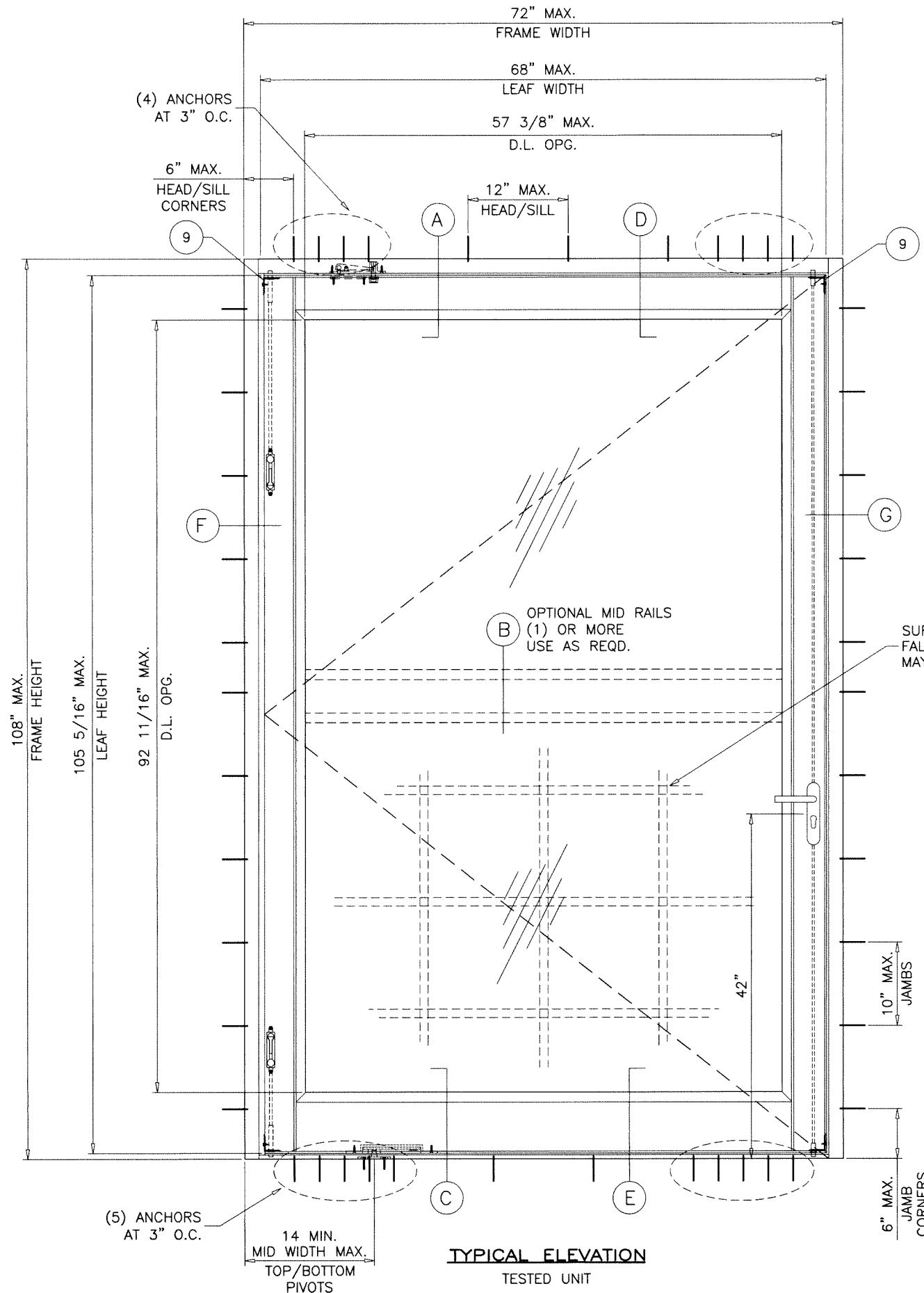
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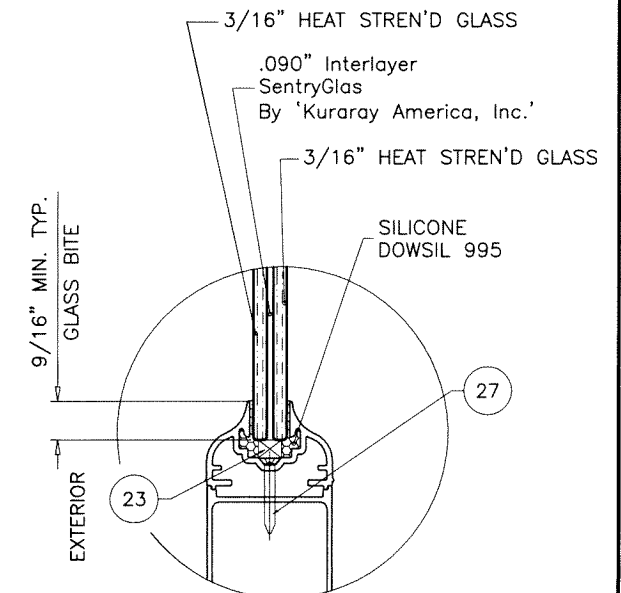
drawing no.
19-104F

sheet 1 of 10

COMP-ANL \ 19-104F-AM



GLAZING DETAIL (LINEAL)
7/16" OVERALL LAM. GLASS



GLAZING DETAIL (CONTINENTAL)
7/16" OVERALL LAM. GLASS

| MAXIMUM DESIGN LOAD CAPACITY - PSF LAMINATED GLASS | | | |
|--|--------------|---------|---------|
| FRAME WIDTH | FRAME HEIGHT | EXT.(+) | INT.(-) |
| 72" | 108" | 50.0 | 50.0 |
| 60" | 120" | 50.0 | 50.0 |
| 72" | 98" | 55.0 | 55.0 |
| 60" | 108" | 55.0 | 55.0 |

FOR SIZE SHOWN OR SMALLER AS PERMITTED BY FBC REQUIREMENTS

NOTE:
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.

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

PANEL SIZE:
NOM. PANEL WIDTH = DOOR FRAME WIDTH - 4.0"
PANEL HEIGHT = DOOR FRAME HEIGHT - 2.688"

DAYLITE OPENINGS:
DLO WIDTH = NOM. PANEL WIDTH - 10.625"
DLO HEIGHT = PANEL HEIGHT - 12.625"

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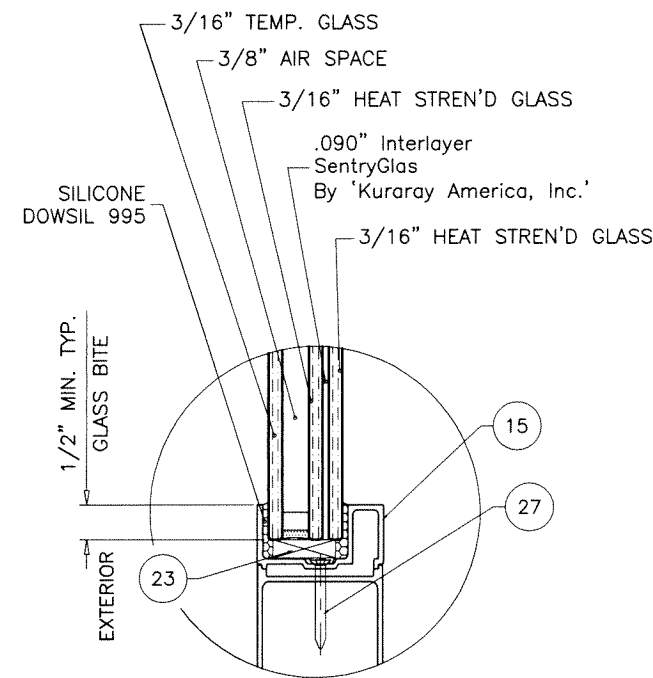
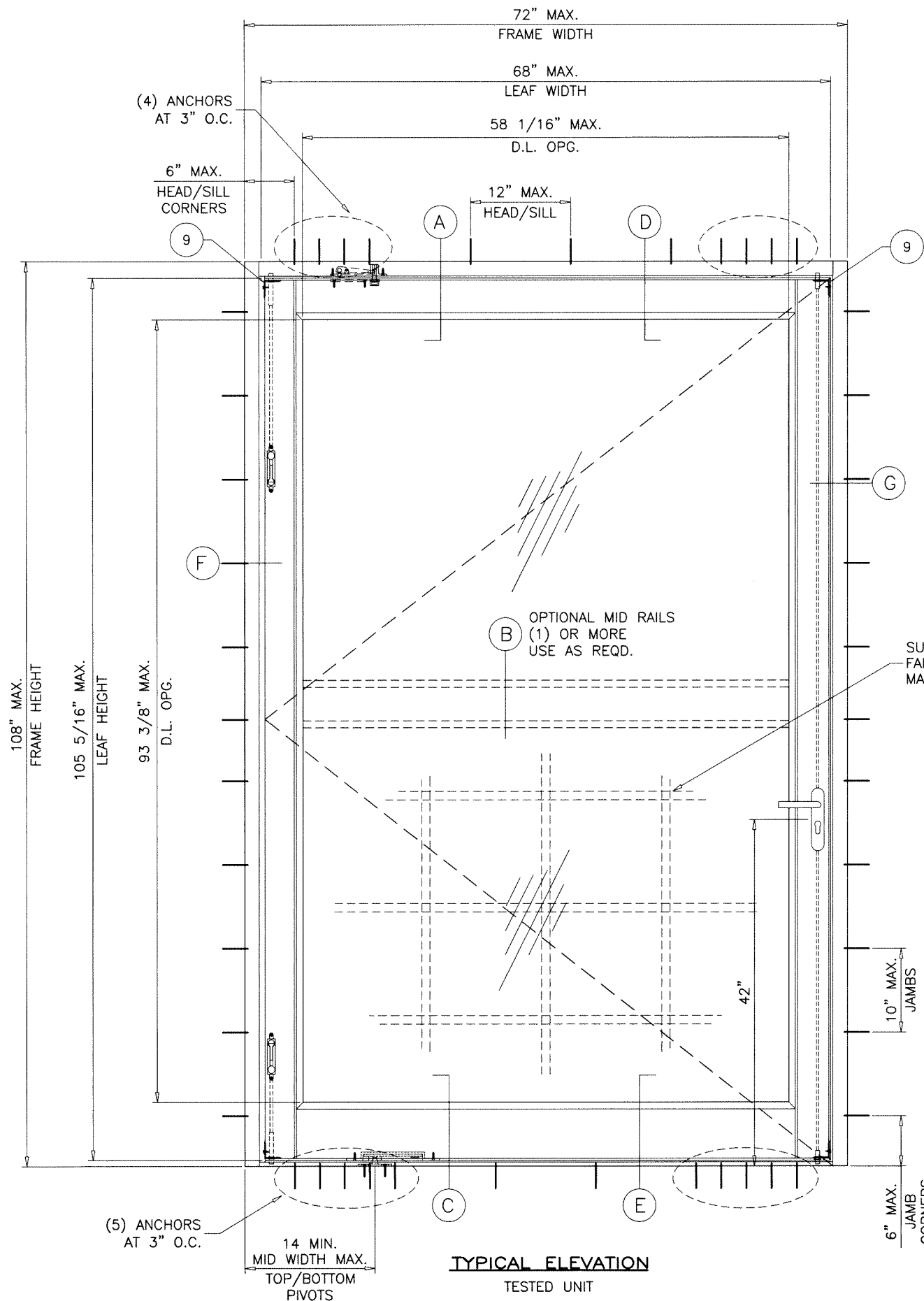


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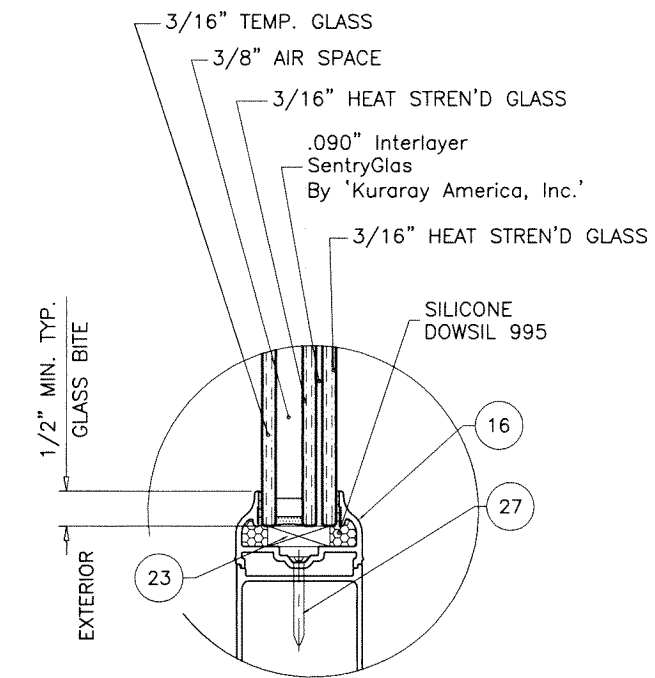
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drawing no. 19-104F
sheet 2 of 10



GLAZING DETAIL (LINEAL)
1-1/16" OVERALL INSUL. LAM. GLASS



GLAZING DETAIL (CONTINENTAL)
1-1/16" OVERALL INSUL. LAM. GLASS

| MAXIMUM DESIGN LOAD CAPACITY - PSF INSULATED LAMINATED GLASS | | | |
|---|--------------|---------|---------|
| FRAME WIDTH | FRAME HEIGHT | EXT.(+) | INT.(-) |
| 72" | 108" | 50.0 | 50.0 |
| 60" | 120" | | |
| 72" | 98" | 55.0 | 55.0 |
| 60" | 108" | | |

FOR SIZE SHOWN OR SMALLER AS PERMITTED BY FBC REQUIREMENTS

NOTE:
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.

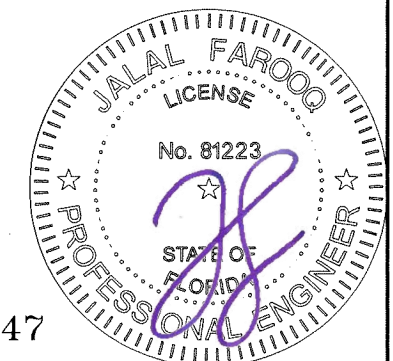
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DAYLITE OPENINGS:
DLO WIDTH = NOM. PANEL WIDTH - 9.925"
DLO HEIGHT = PANEL HEIGHT - 11.925"

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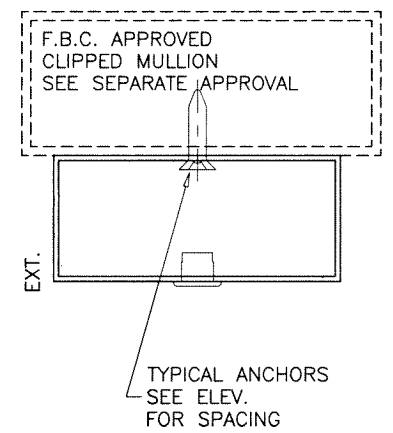
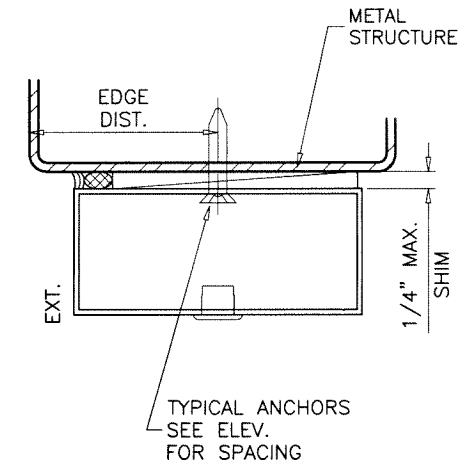
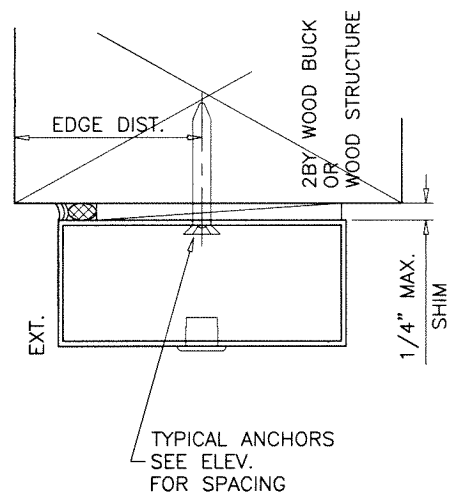
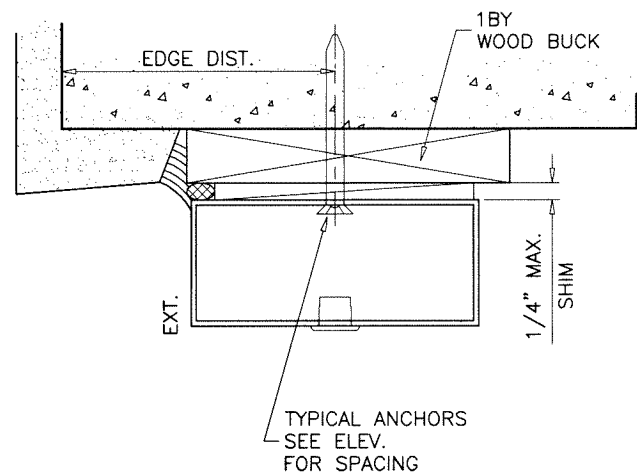
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drawing no.
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1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'AIR MASTER' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
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 (HEAD/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

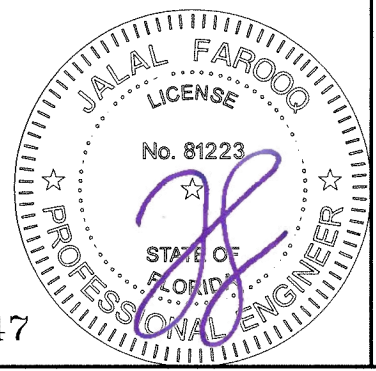
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES (HEAD/JAMBS)
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 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 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

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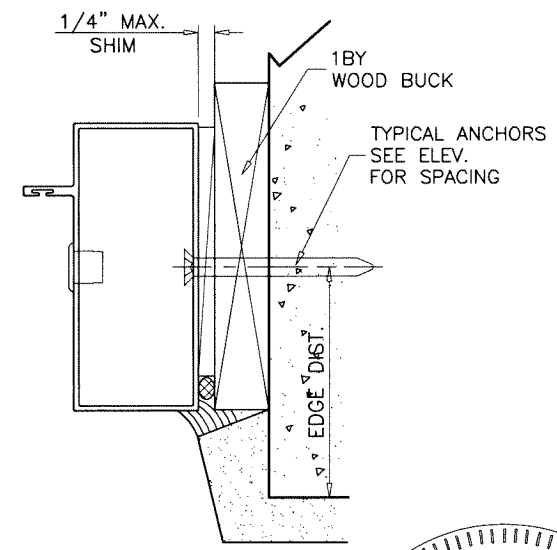
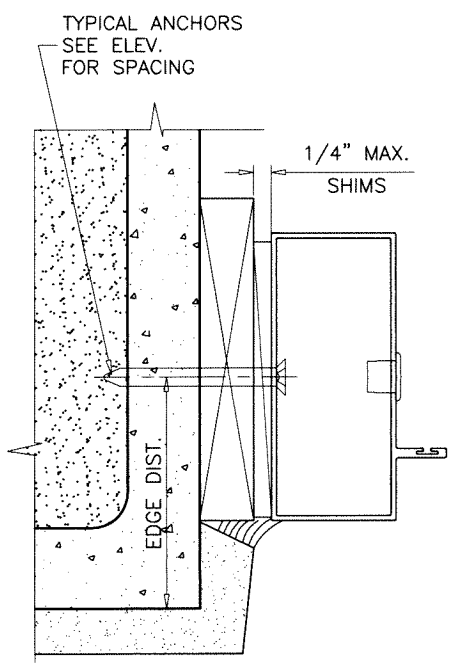
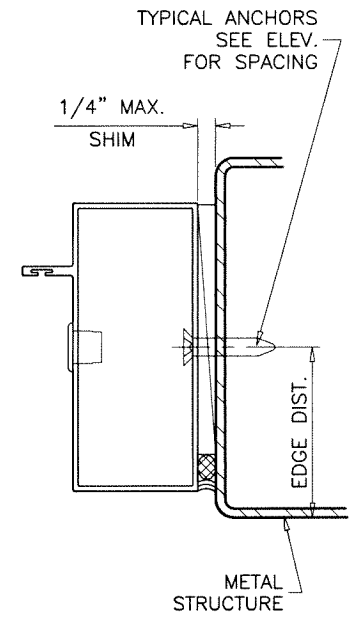
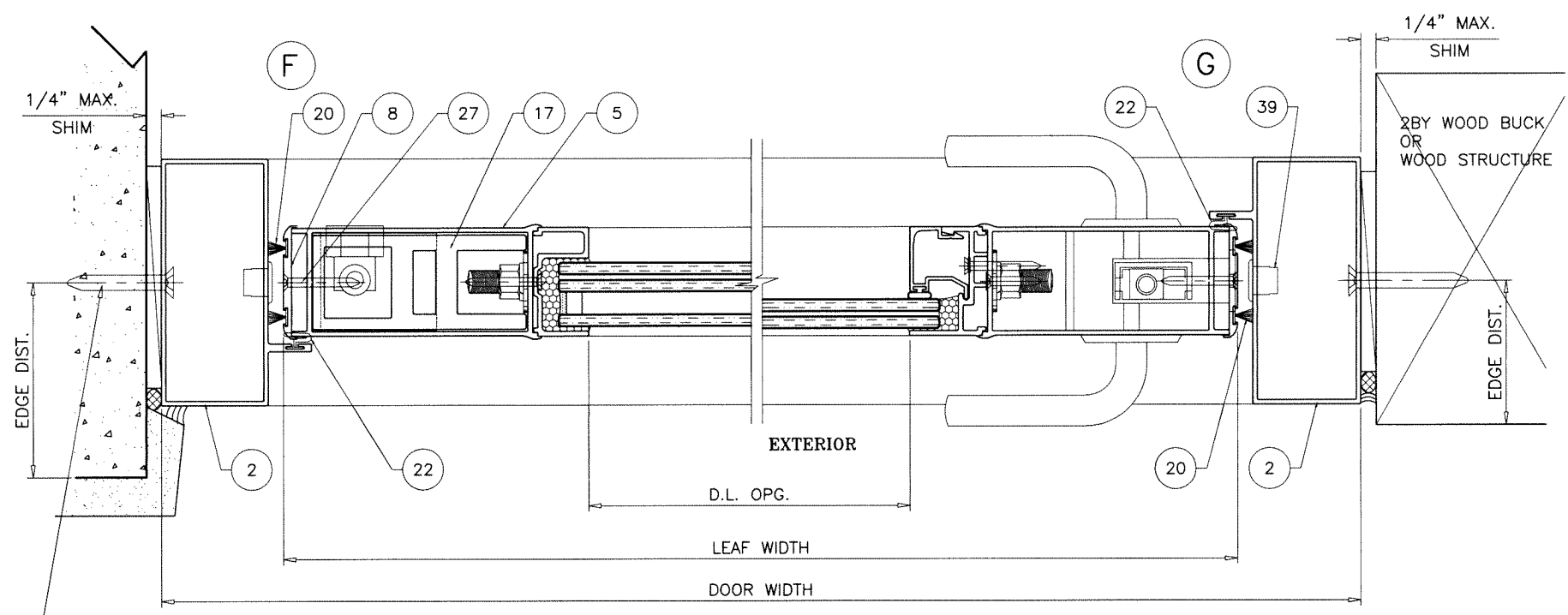
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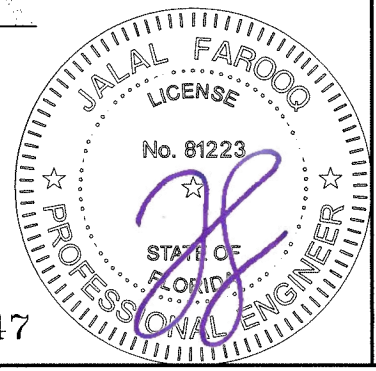
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| ITEM # | PART # | REQD. | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|--------|--------|----------|--|-----------|-------------------------------|
| 1 | 57536 | 1 | FRAME HEAD | 6063-T5 | - |
| 2 | 77497 | 2 | FRAME JAMB | 6063-T5 | - |
| 3 | 76654 | 1 | THRESHOLD | 6063-T5 | - |
| 4 | 76702 | 1 | BOTTOM RAIL | 6063-T5 | - |
| 5 | 77534 | 2 | DOOR STILE | 6063-T5 | - |
| 6 | 76701 | 1 | TOP/MID RAIL | 6063-T5 | - |
| 7 | 11081 | AS REQD. | CORNER LOCK | 6063-T5 | - |
| 8 | 13020 | AS REQD. | WEATHERSTRIP ADAPTER | 6063-T5 | - |
| 9 | 11080 | AS REQD. | BOLT GUIDE | 6063-T5 | - |
| 10 | 96534 | AS REQD. | CORNER KEY | 6063-T5 | - |
| 12 | 76880 | AS REQD. | GLASS ADAPTER (LINEAL) (LAM. GLASS) | 6063-T5 | - |
| 13 | 76881 | AS REQD. | GLASS ADAPTER COVER (LINEAL) (LAM. GLASS) | 6063-T5 | - |
| 14 | 13038 | AS REQD. | GLASS ADAPTER (CONTINENTAL) (LAM. GLASS) | 6063-T5 | - |
| 15 | 76847 | AS REQD. | GLASS ADAPTER (LINEAL) (INSUL. LAM. GLASS) | 6063-T5 | - |
| 16 | 13039 | AS REQD. | GLASS ADAPTER (CONTINENTAL) (INSUL. LAM. GLASS) | 6063-T5 | - |
| 17 | 77523 | AS REQD. | STILE REINFORCEMENT | 6063-T5 | - |
| 20 | 96824 | AS REQD. | PILE W'STRIPPING | WOOL | ULTRAFAB |
| 21 | 96936 | AS REQD. | GLAZING GASKET (FP-448) | VINYL | MSW |
| 22 | 96981 | AS REQD. | RUBBER SEAL | - | SCHLEGEL, QEZ 447-2 |
| 23 | 96900 | 2/ LITE | SETTING BLOCKS AT 1/4 POINTS (1/4" X 1/4" X 1" LONG) | EPDM | DUROMETER 80±5 SHORE A |
| 24 | 95691 | AS REQD. | FASTENERS | ST. STEEL | 10-24 X 5/8" FH SELF DRILLING |
| 25 | 95658 | AS REQD. | CORNER LOCK FASTENERS | ST. STEEL | #12 X 1" PH SELF DRILLING |
| 26 | 95638 | AS REQD. | PIVOT FASTENERS | ST. STEEL | #12 X 1" FH SELF DRILLING |
| 27 | 95696 | AS REQD. | GLASS ADAPTER/W'STRIP FASTENERS, AT 3' FROM ENDS & 9" O.C. | ST. STEEL | #8 X 1-1/4" FH SELF DRILLING |
| 30 | 76657 | AS REQD. | 3/8" DIA. THREADED ROD | ST. STEEL | - |
| 32 | 95492 | AS REQD. | FLAT WASHER | ST. STEEL | - |
| 33 | 95493 | AS REQD. | PRESSURE WASHER | ST. STEEL | - |
| 34 | 95612 | AS REQD. | 3/8" HEX NUT | ST. STEEL | - |
| 35 | 94657 | AS REQD. | CORNER LOCK FASTENERS | ST. STEEL | 10-32 X 3/4" FH SELF DRILLING |
| 36 | 95858 | AS REQD. | PIVOT FASTENERS | ST. STEEL | #10 X 2" FH SELF DRILLING |
| 37 | 60955 | AS REQD. | PIVOT SET | - | SECURITY LOCK |
| 39 | 77572 | AS REQD. | HOLE PLUG | PVC | M&M PLASTICS |
| 43 | 60956 | AS REQD. | ADAPTER FOR RIXON PIVOT 1" | - | - |

DOOR HARDWARE

3 POINT LOCKS AT LOCK STILE

3 POINT LOCK SYSTEM (#34501-K OR #34387-K) BY 'ATZ' WITH ACTIVATING HANDLE AT 42" FROM BOTTOM FASTENED TO STILE WITH (2) #12 X 1/2" FH MACHINE HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS ENGAGING AT HEAD AND SILL 1/2" DIA. BULLET TIPS SHOOT BOLTS CONNECTED TO LOCK WITH 5/16" DIA. THREADED RODS

FLUSH BOLT AT PIVOT STILE

FLUSH BOLTS (#76665) BY 'SAL'S HARDWARE' MANUALLY OPERATED LEVERS AT 27" FROM TOP AND 12" FROM BOTTOM ACTIVATES FLUSH BOLTS PROTRUDING 1/2" INTO HEAD AND 3/8" INTO SILL 1/2" DIA. BULLET TIPS FLUSH BOLTS CONNECTED TO LEVERS WITH 5/16" DIA. THREADED ROD.

ELECTRICAL FUNCTION IS NOT PART OF THIS APPROVAL.

SEALANTS:

ALL FRAME AND PANEL JOINTS AND SEAMS SEALED WITH PACIFIC GLOBAL SILICONE SEALANT.

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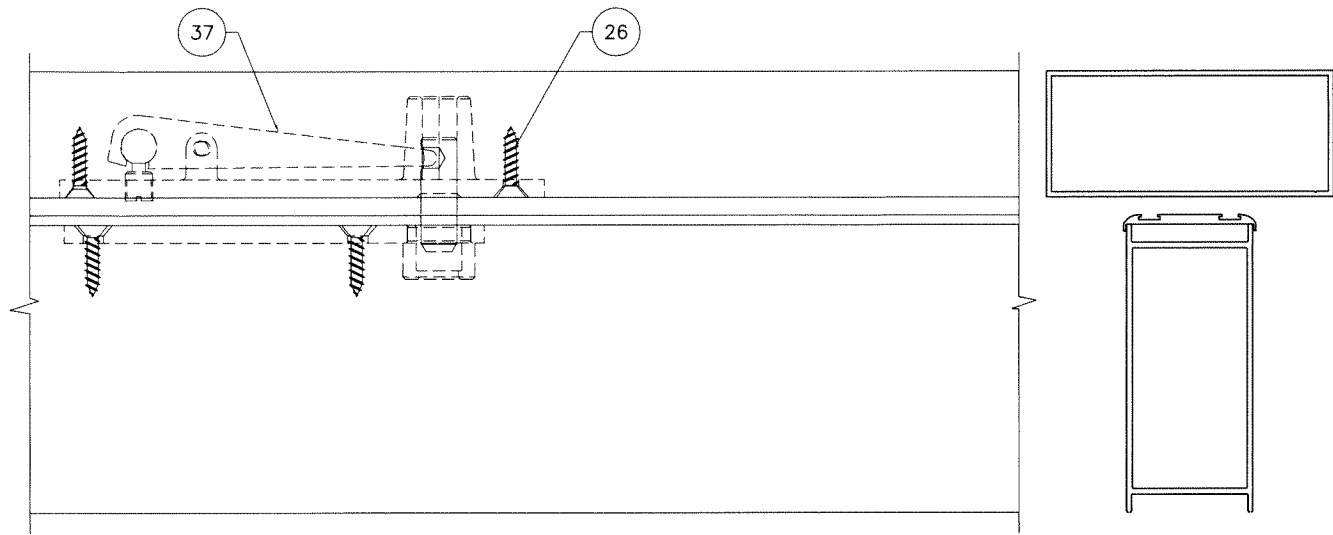
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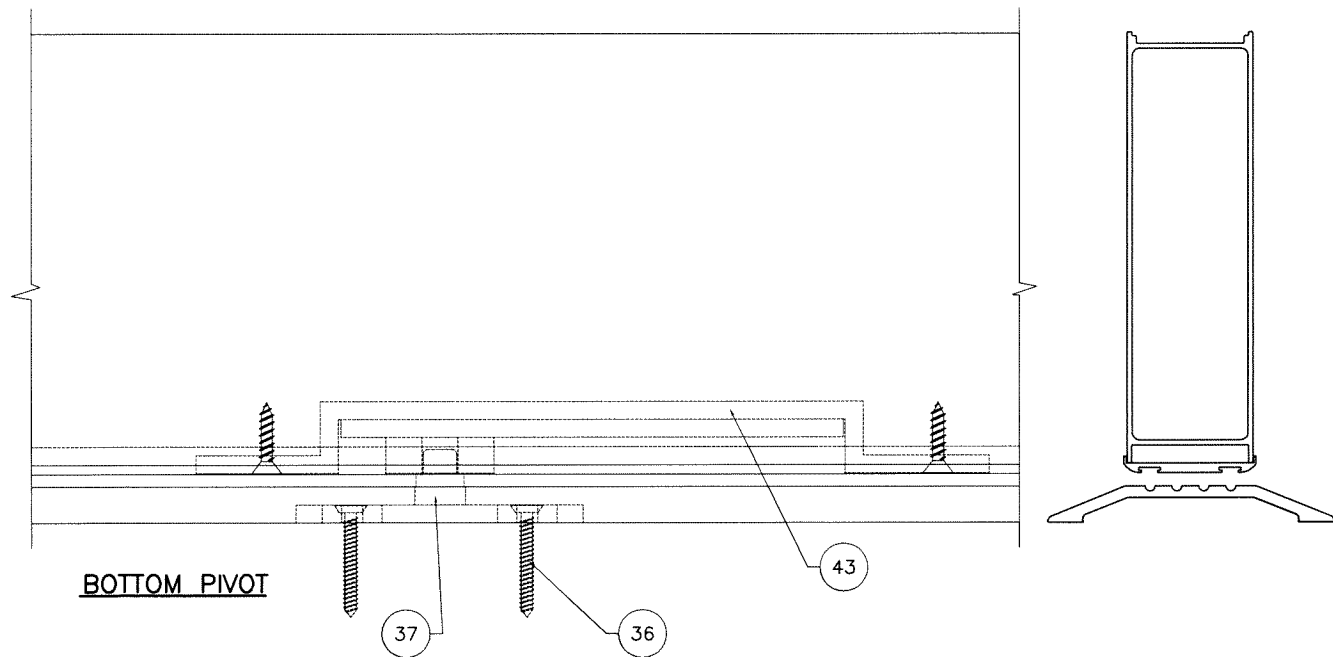
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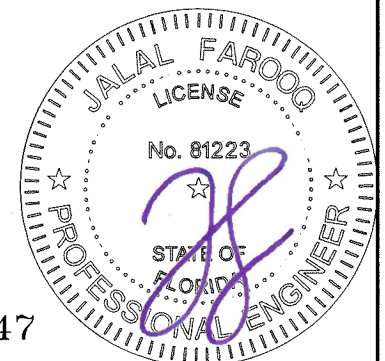
TOP PIVOT



BOTTOM PIVOT

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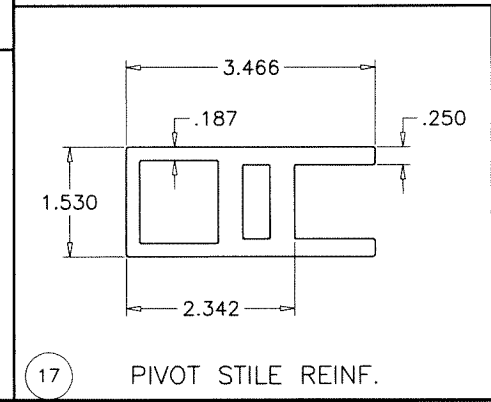
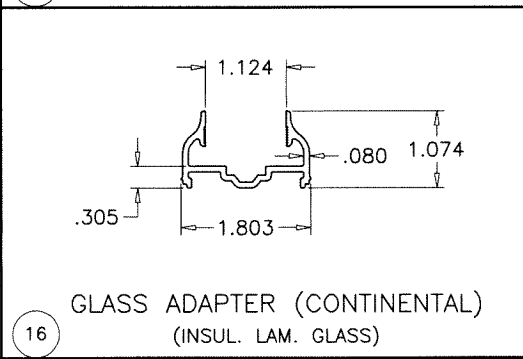
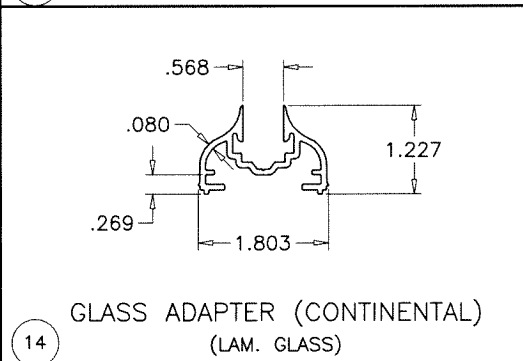
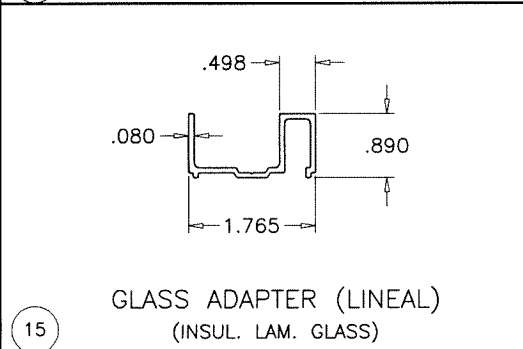
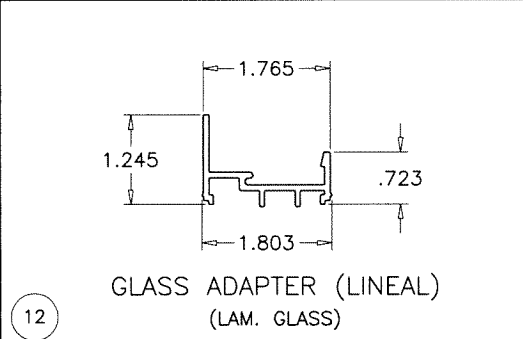
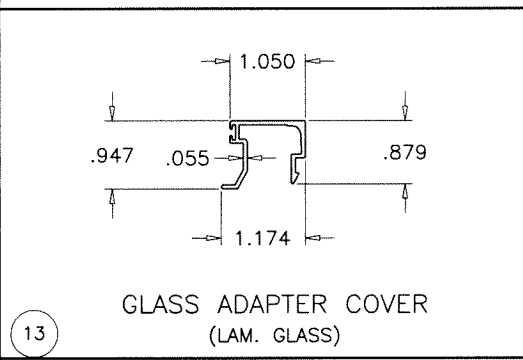
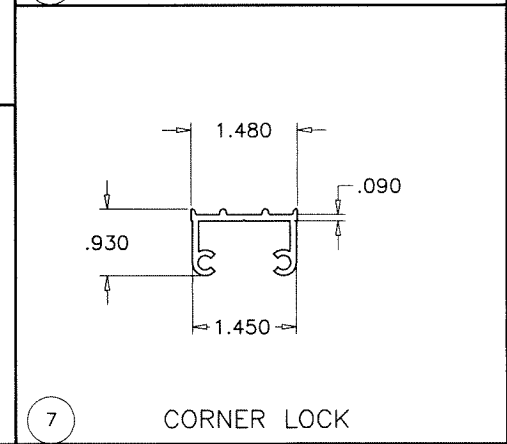
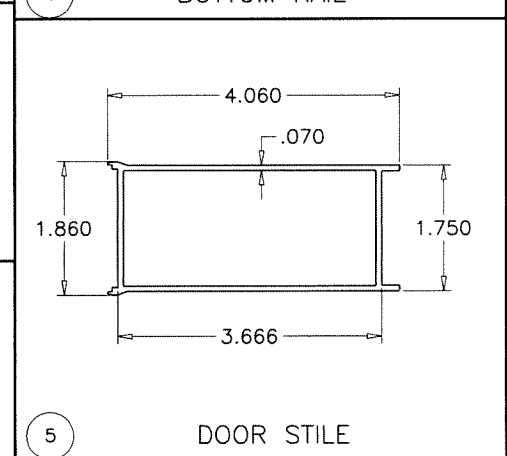
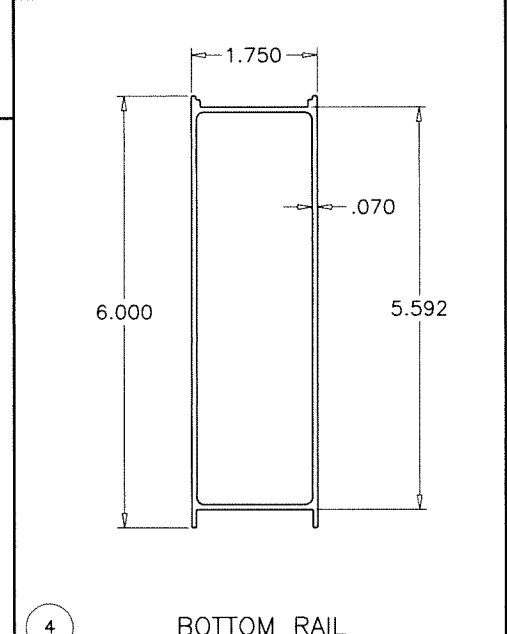
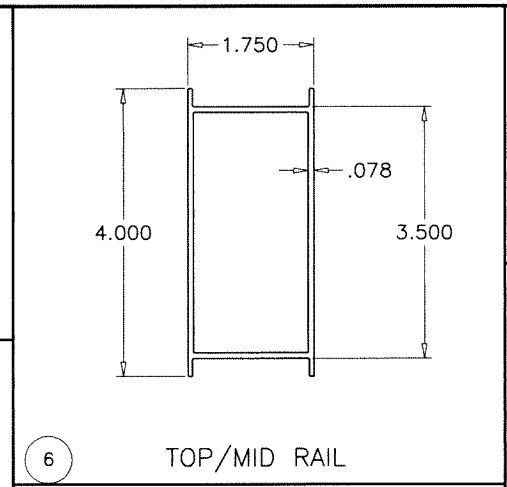
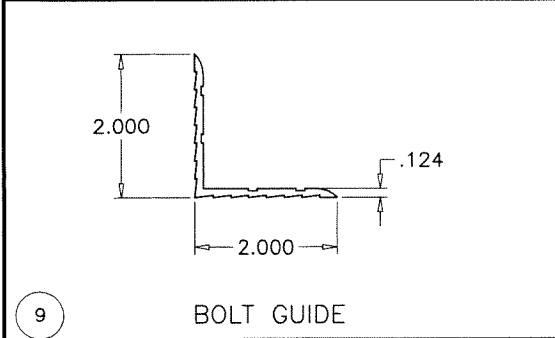
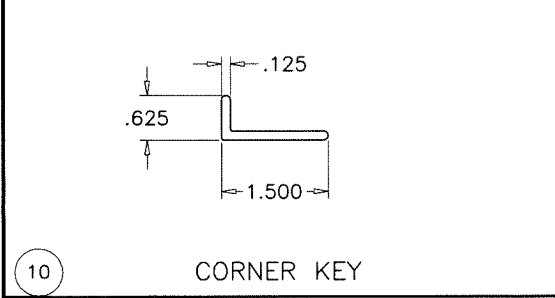
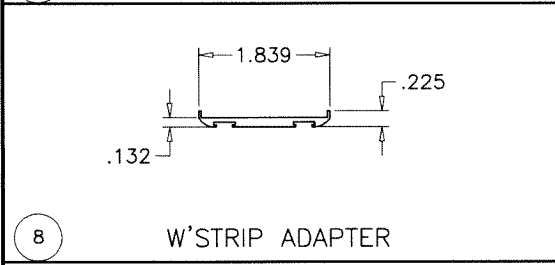
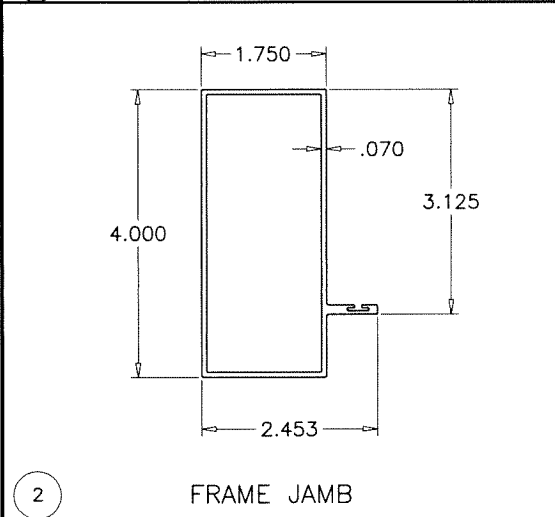
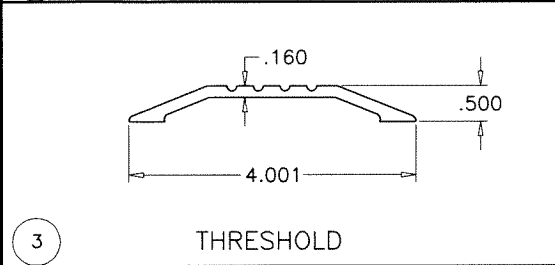
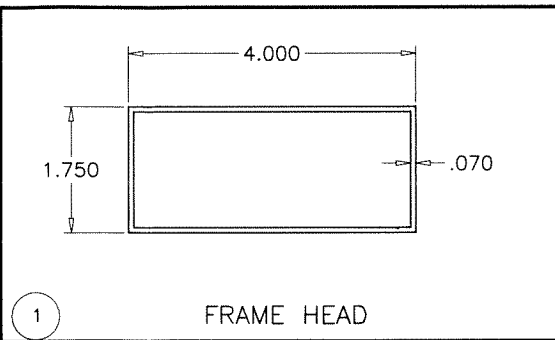
FL #30847



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| drawing no. 19-104F | | | |
| sheet 8 of 10 | | | |

ALUMINUM OUTSWING PIVOT DOOR (L.M.I.)
AIR MASTER
 windows and doors
 P.O. Box 2097 Barceloneta, P.R. 00617,
 TEL. (787) 623-1800, FAX. (787) 623-0087

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 MIAMI, FLORIDA 33173
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 COMP-ANL 19-104F-AM



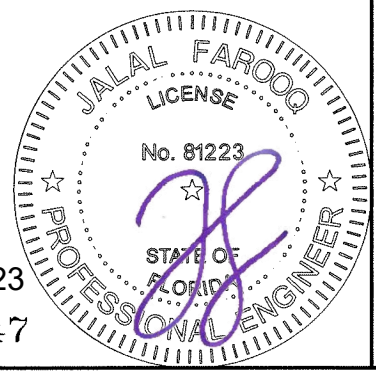
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AL-FAROOQ CORPORATION
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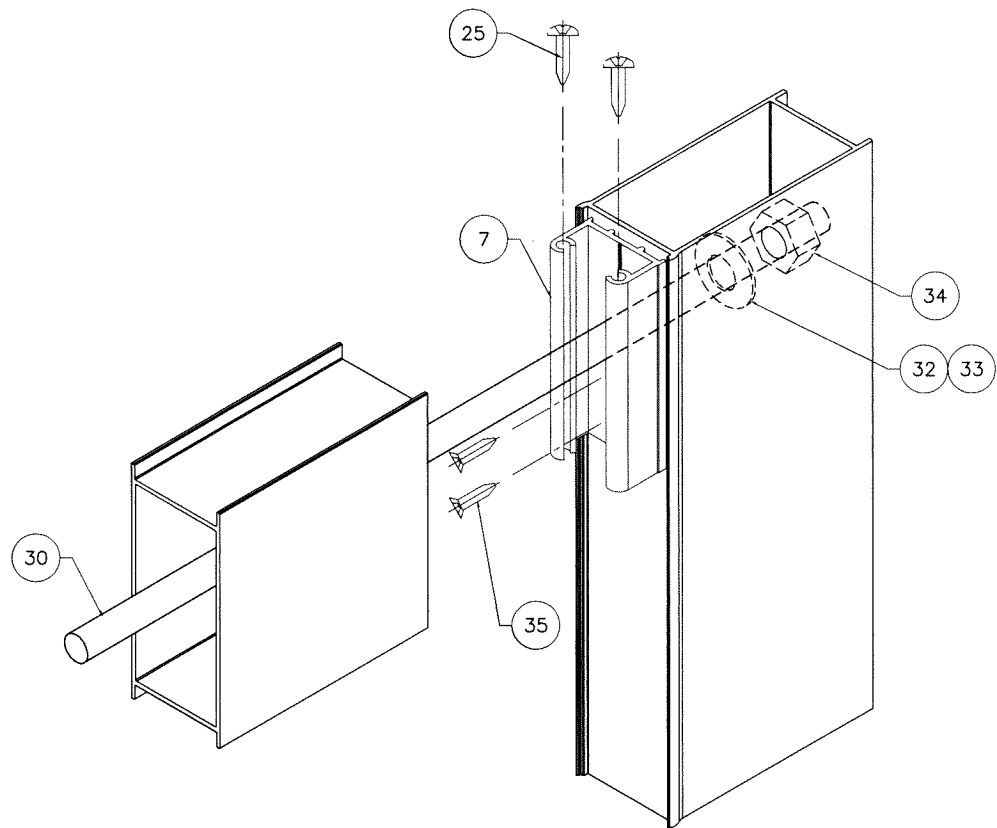
ALUMINUM OUTSWING PIVOT DOOR (L.M.I.)
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| no. | date | description |
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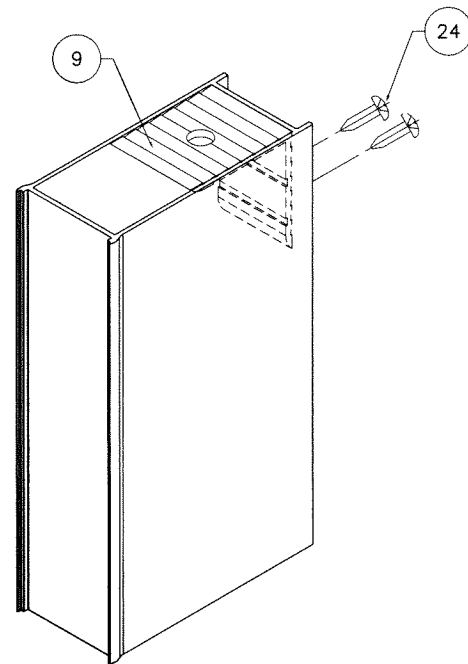
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 dr. by: TARIQ
 chk. by:
 drawing no.
19-104F
 sheet 9 of 10

Sealed: 10/20/2023
 FL #30847

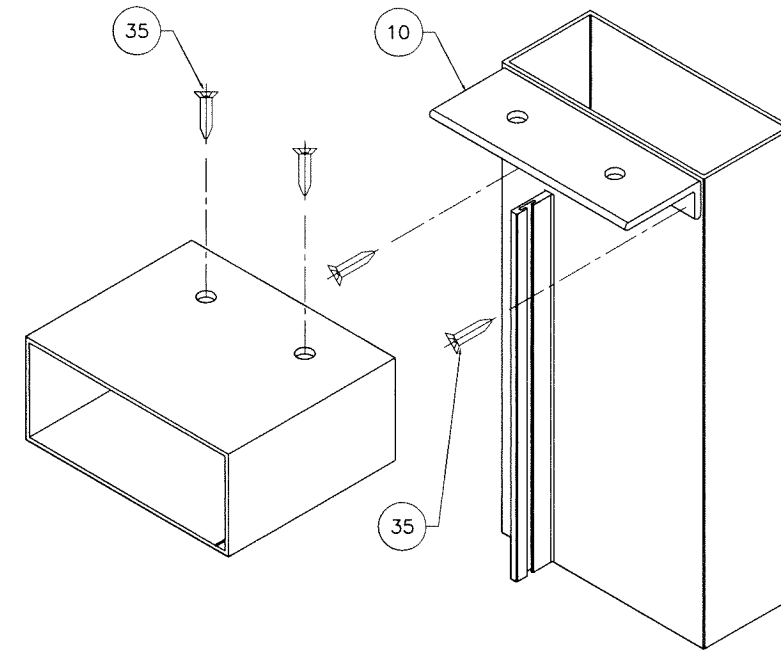




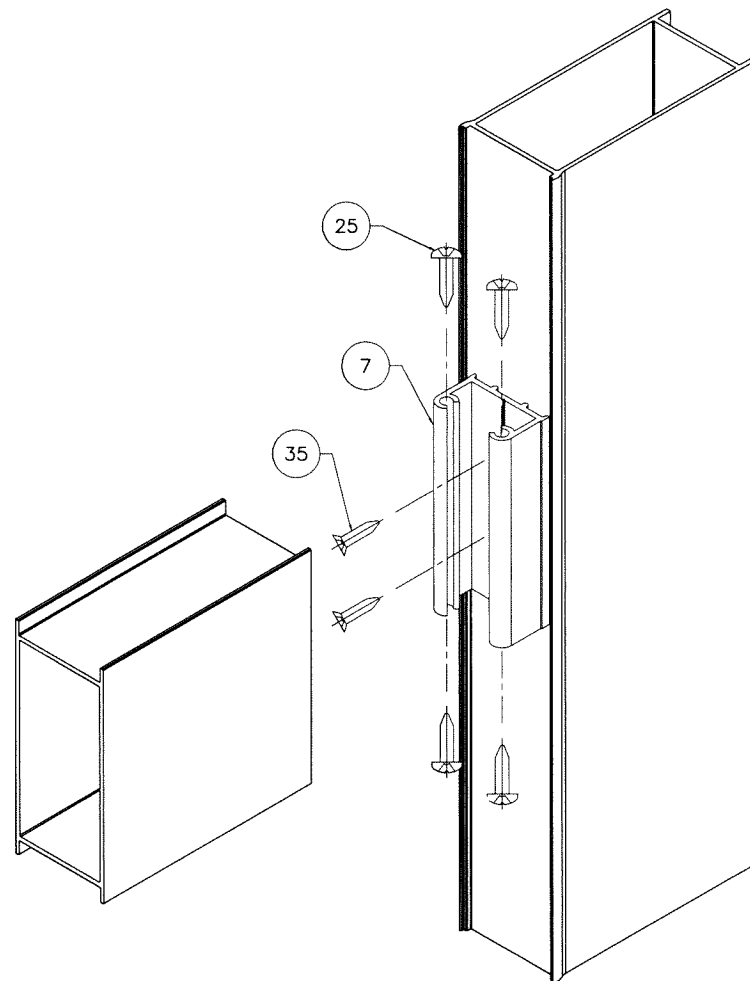
PANEL CORNER TOP & BOTTOM



BOLT GUIDE



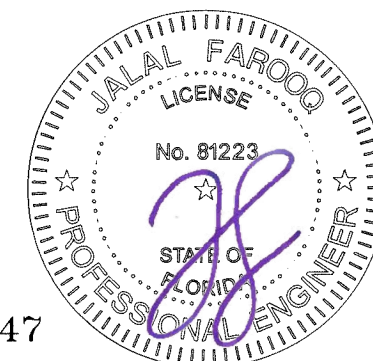
FRAME TOP CORNER



MID RAIL CORNER

Sealed: 10/20/2023

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| revisions: | no | date | by | description |
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date: 10-09-19
 scale: 3/8" = 1"
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drawing no.
19-104F
 sheet 10 of 10