

CODE COMPLIANCE:
FLORIDA BUILDING CODE 2023 - 8TH EDITION

GENERAL NOTES:

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONES (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS A COMMERCIAL GRADE ALUMINUM AUTOMATIC SLIDING GLASS DOOR.
- 3- POSTING:
ALUMINUM AUTOMATIC SLIDING GLASS DOORS
GILDOR INC. - CHINO, CALIFORNIA
FLORIDA PRODUCT APPROVED"
- 4- LOADS: DESIGNED LOAD CALCULATED BASED ON THE ASCE 7 AND PROVIDED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE PRESSURES HERE IN SPECIFIED. THE DESIGN PRESSURES, AS DETERMINED FROM ASCE 7, ARE TO BE MULTIPLE BY 0.6
- 5- MATERIAL: ALL COMPONENTS TO BE AS SPECIFIED IN THIS SET OF DRAWINGS. SUBSTITUTIONS OF THE COMPONENTS ARE NOT ALLOWED AND IT WILL VOID THIS APPROVAL DESIGN.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR SPACING AND LOADS MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.
- 9- THIS SYSTEM COMPLIES W/ ASTM E1300
- 10- DISSIMILAR MATERIALS: WHERE ALUMINUM IS IN CONTACT OR FASTENED TO DISSIMILAR MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, INSTALLATION SHALL MEET THE REQUIREMENTS OF CHAPTER M.7 OF THE ALUMINUM DESIGN MANUAL.

DOOR ALLOWABLE DESIGNED RATING

MODEL	WIND PRESSURE RATING (PSF)	IMPACT RATING	TYPE OF GLAZING
O/SX: SX/O	+50, -50	LARGE / SMALL	G1 / G2
O/SX: SX/O	+50, -50	NON IMPACT	G3 / G4
SO/SX: SX/50	+60, -60	LARGE / SMALL	G1 / G2
SO/SX: SX/50	+60, -60	NON IMPACT	G3 / G4

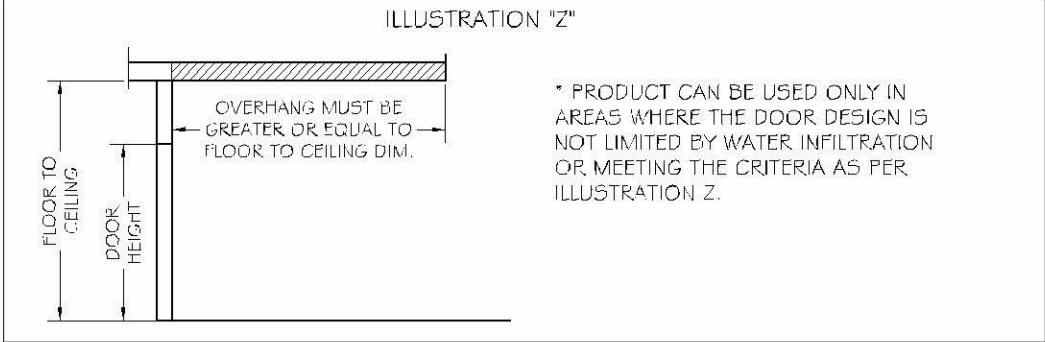
NOTE: ALLOWABLE RATING BASED ON MAXIMUM 201 7/8" X 108" FRAME SIZES

TABLE OF CONTENTS:

SHEET	DESCRIPTION
1 OF 16	GENERAL NOTES, DESIGN RATING AND TABLE OF CONTENTS
2 OF 16	TYPICAL DOOR ELEVATIONS O/SX : SX/O AND O/SX
3 OF 16	O/SX: SX/O AND O/SX VERTICAL SECTIONS
4 OF 16	O/SX: SX/O AND O/SX HORIZONTAL SECTIONS
5 OF 16	TYPICAL FRAME ANCHORAGE LAY-OUT: O/SX : SX/O AND O/SX
6 OF 16	TYPICAL DOOR ELEVATIONS SO/SX : SX/50 AND SO/SX
7 OF 16	SO/SX: SX/50 AND SO/SX VERTICAL SECTIONS
8 OF 16	SO/SX: SX/50 AND SO/SX HORIZONTAL SECTIONS
9 OF 16	TYPICAL FRAME ANCHORAGE LAY-OUT: SO/SX : SX/50 AND SO/SX
10 OF 16	ANCHORAGE DETAILS
11 OF 16	GLAZING DETAIL
12 OF 16	DOOR COMPONENTS
13 OF 16	FRAME COMPONENTS
14 OF 16	O / SX : SX / O - HARDWARE COMPONENTS
14 OF 16	SO / SX : SX / 50 - HARDWARE COMPONENTS
16 OF 16	BILL OF MATERIALS

COMPLIANCE STANDARDS:

FBC TESTING PROTOCOL FOR HVHZ: TAS 201-94, TAS 202-94, TAS 203-94
FBC ENERGY CONSERVATION - 402.5.2 - ASTM E283
FORCE ENTRY RESISTANCE: ASTM F842, TYPE C, GRADE 10
PRACTICE FOR DETERMINING LOAD RESISTANCE OF GLASS: ASTM E1300-12
MINIMUM DESIGN LOAD FOR COMPONENTS AND CLADDING - ASCE 7-22
ALUMINUM DESIGN MANUAL 2020
FASTENERS DESIGN INTO WOOD - WOOD DESIGN MANUAL NDS-2018
WATER INFILTRATION IN ACCORDANCE WITH FBC SECTION 1709.5.2 EXCEPTIONS:
1. DOOR CAN BE INSTALLED IN NONHABITABLE AREAS.
2. DOOR CAN BE INSTALLED WITH OVERHANG MEETING ILLUSTRATION Z CRITERIA



Pedro De Figueiredo
09/25/2023

Pedro Figueiredo
Digitally signed by Pedro Figueiredo
Date: 2023.10.11 08:57:00 -04'00'
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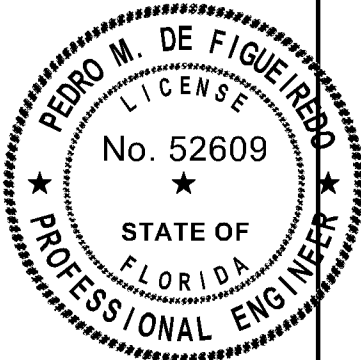
PRODUCT:
MODEL SLM-H
AUTOMATIC SLIDING GLASS DOOR
FULLY & PARTIALLY BREAKOUT

4550 SCHAEFER AVE.
CHINO, CA 91710
PH: (800) 211-5838
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GILDOR
AUTOMATIC DOORS

SCALE:
1:3/8
DATE:
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23-180
SHEET
1 of 16

TYPICAL DOOR ELEVATIONS
O-SX: SX-O AND O-SX



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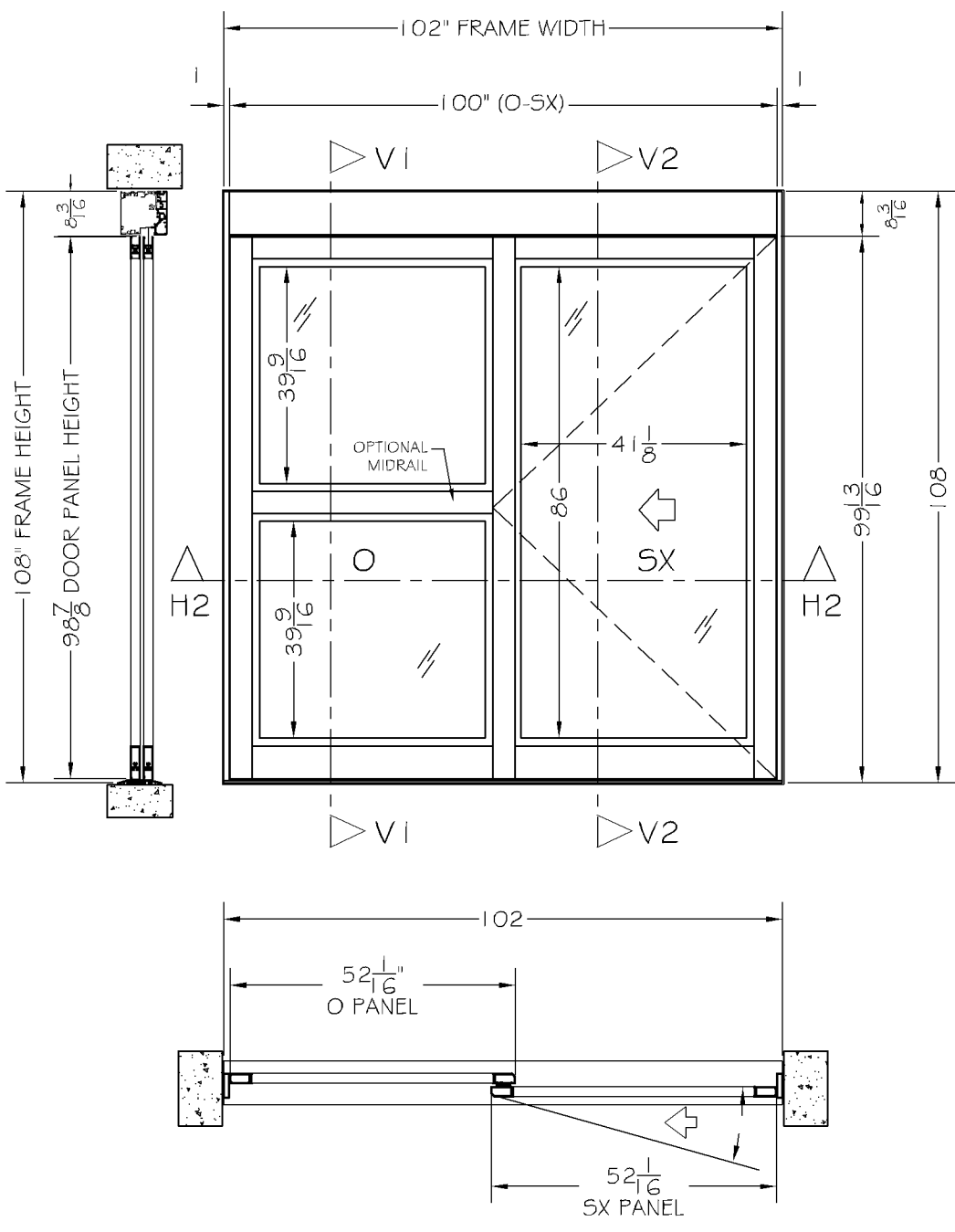
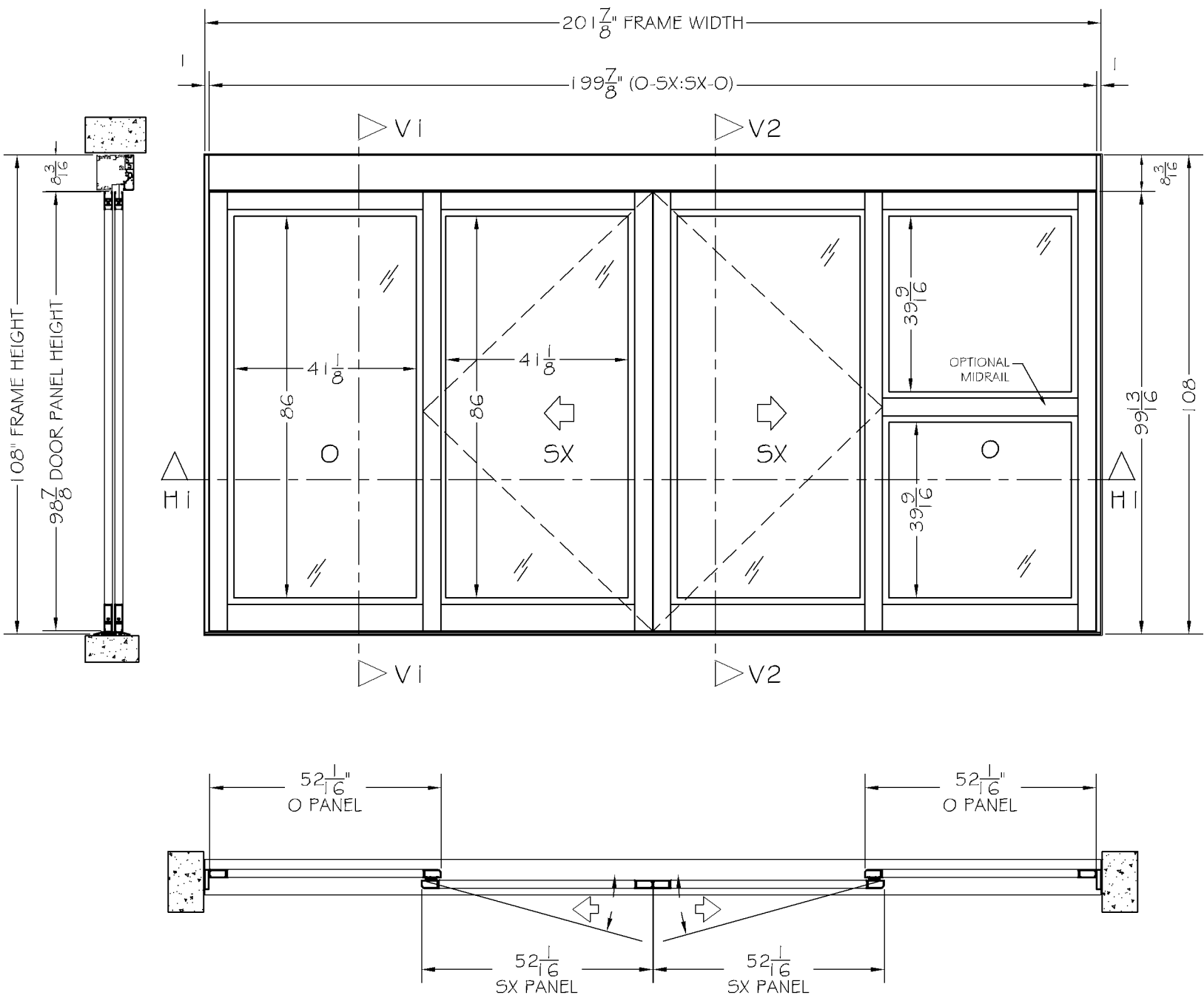


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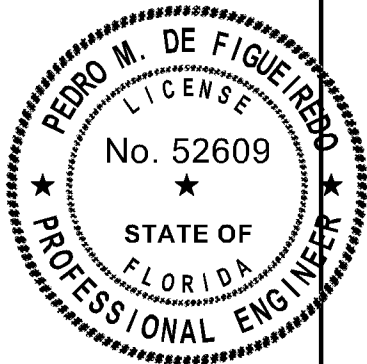
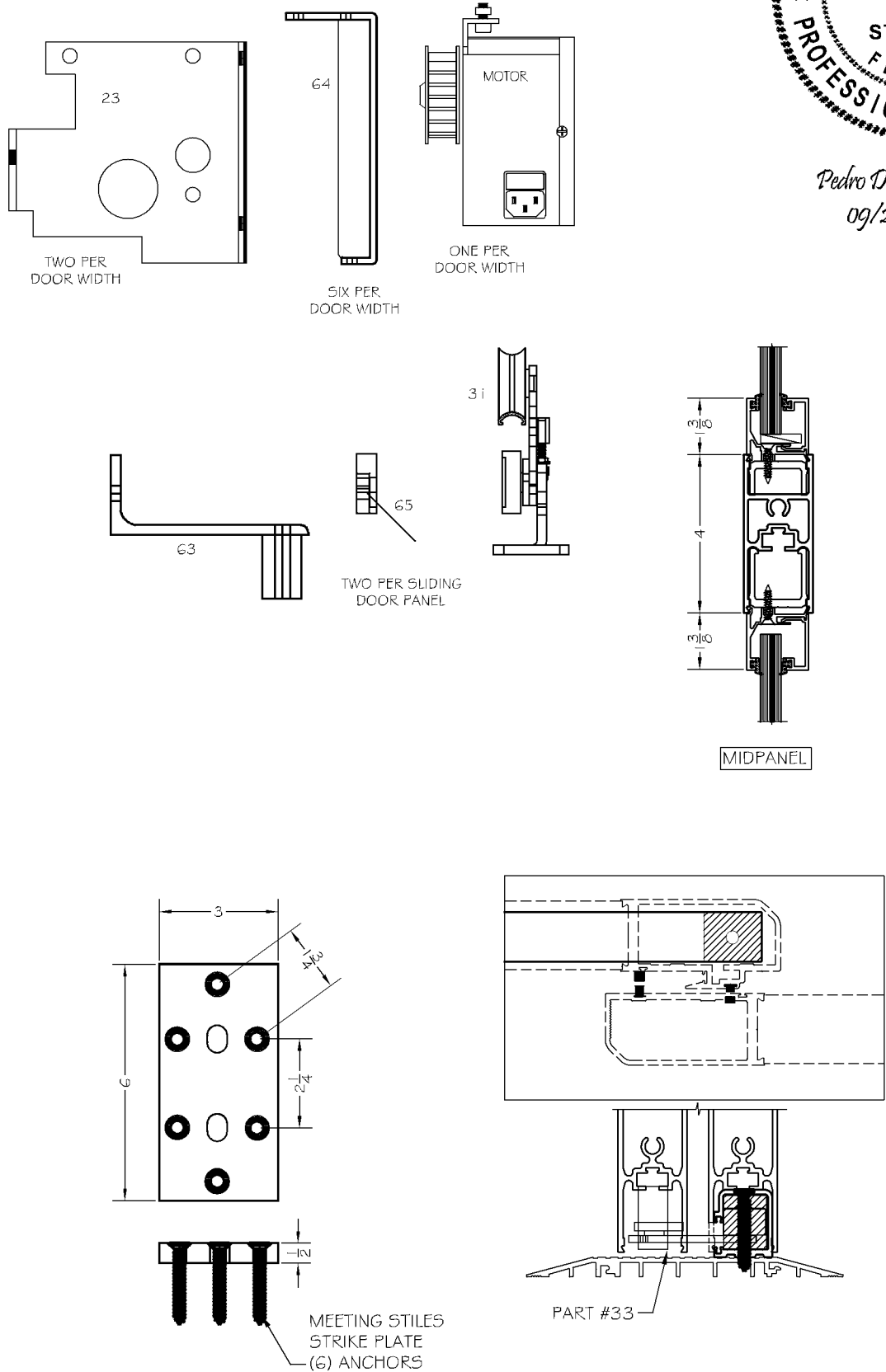
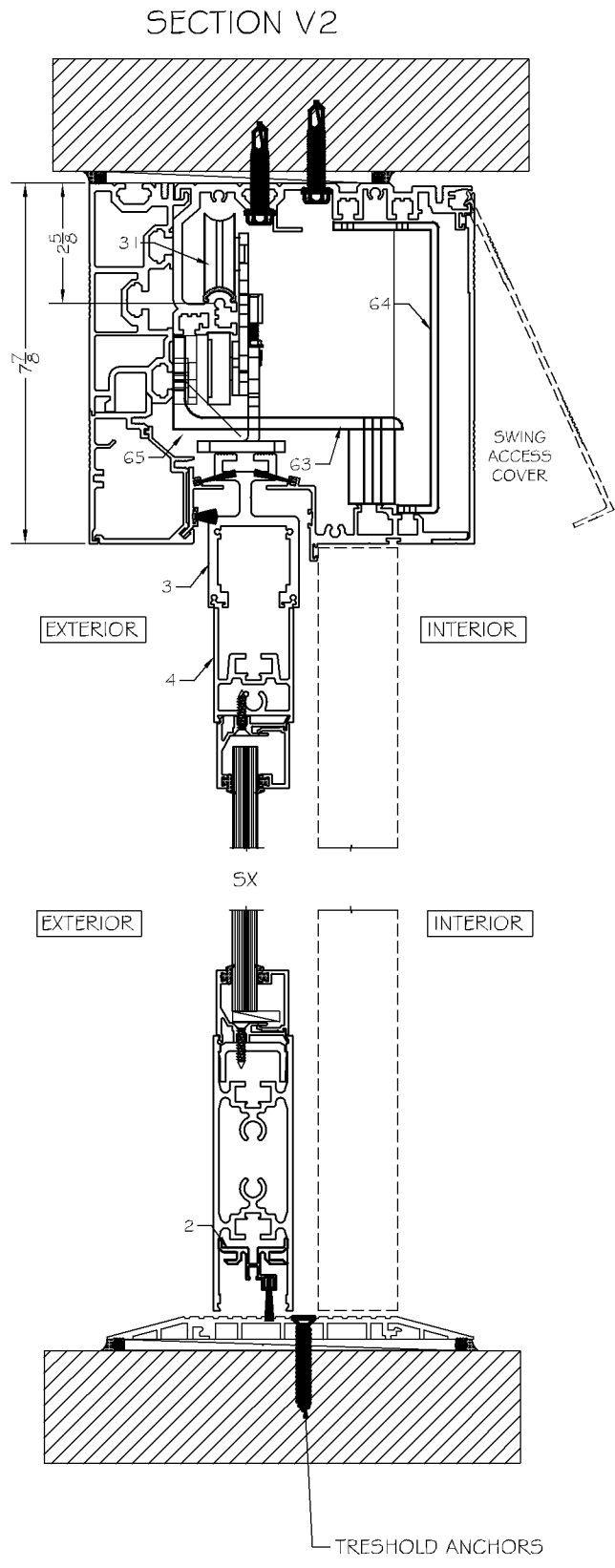
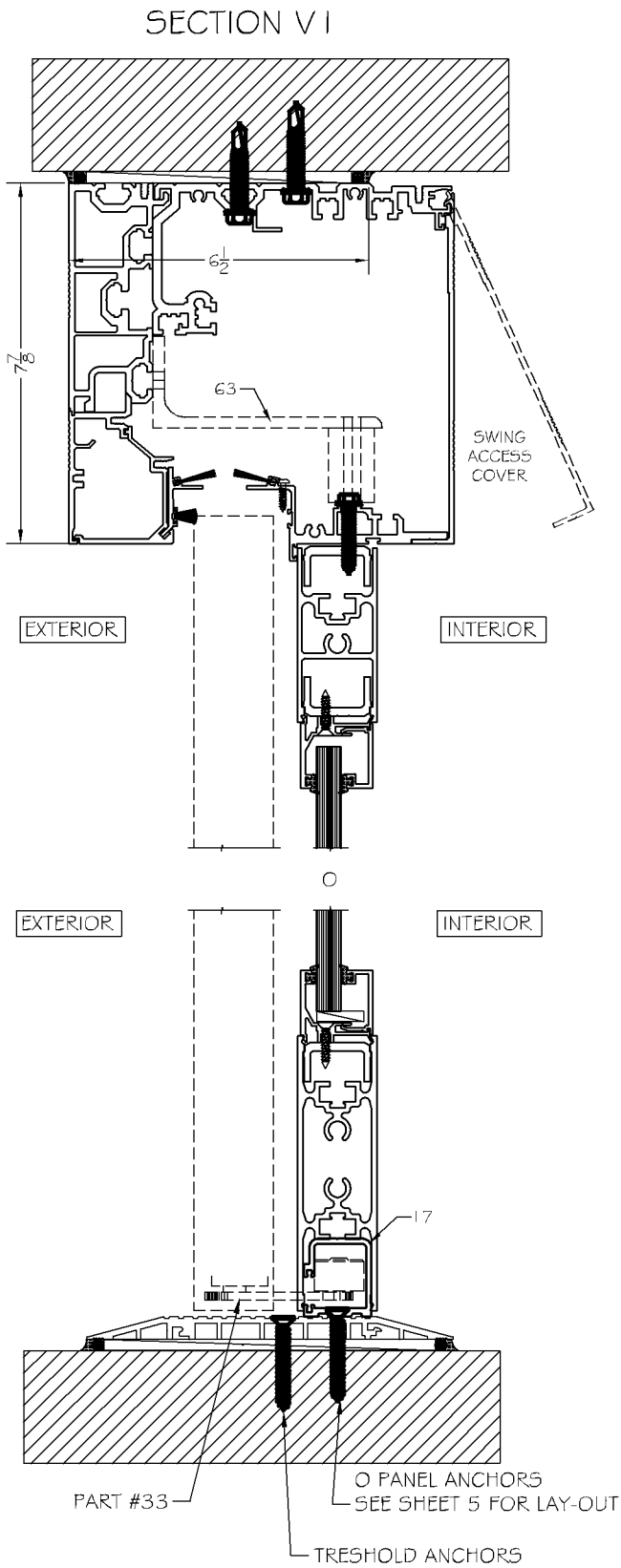
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2 of 16



TYPICAL DOOR SECTIONS V1 AND V2
O-SX: SX-O AND O-SX



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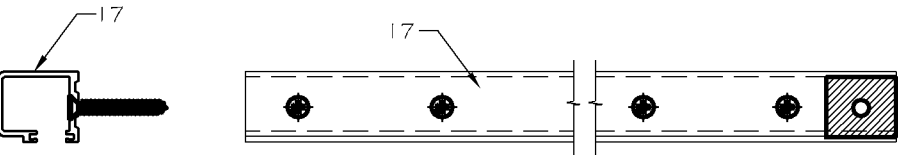
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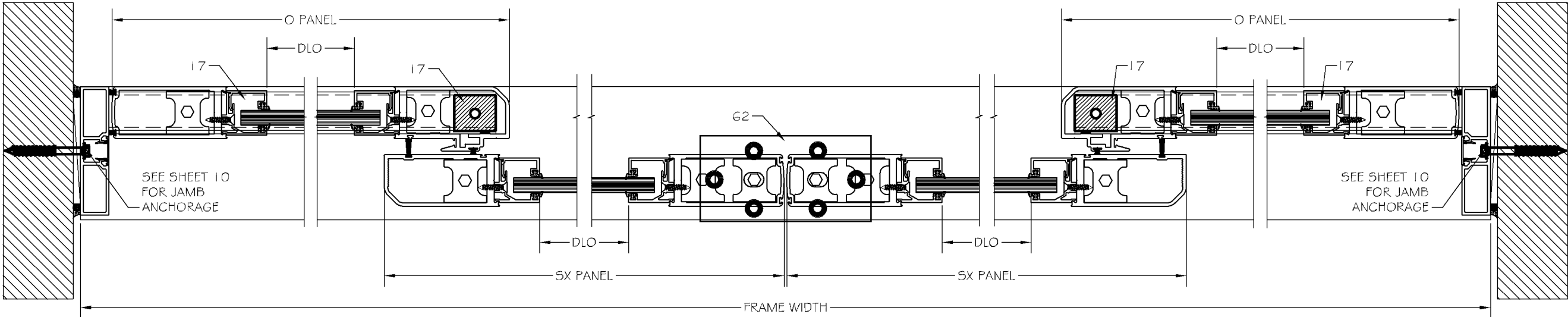
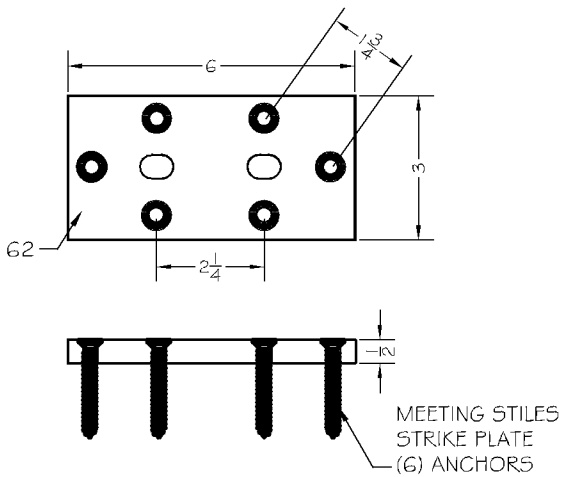
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SHEET
3 of 16

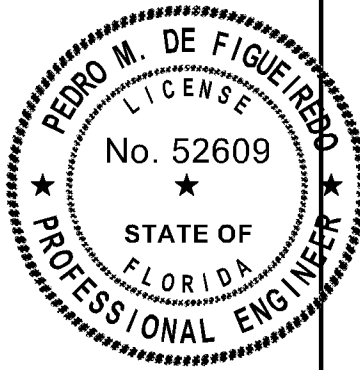
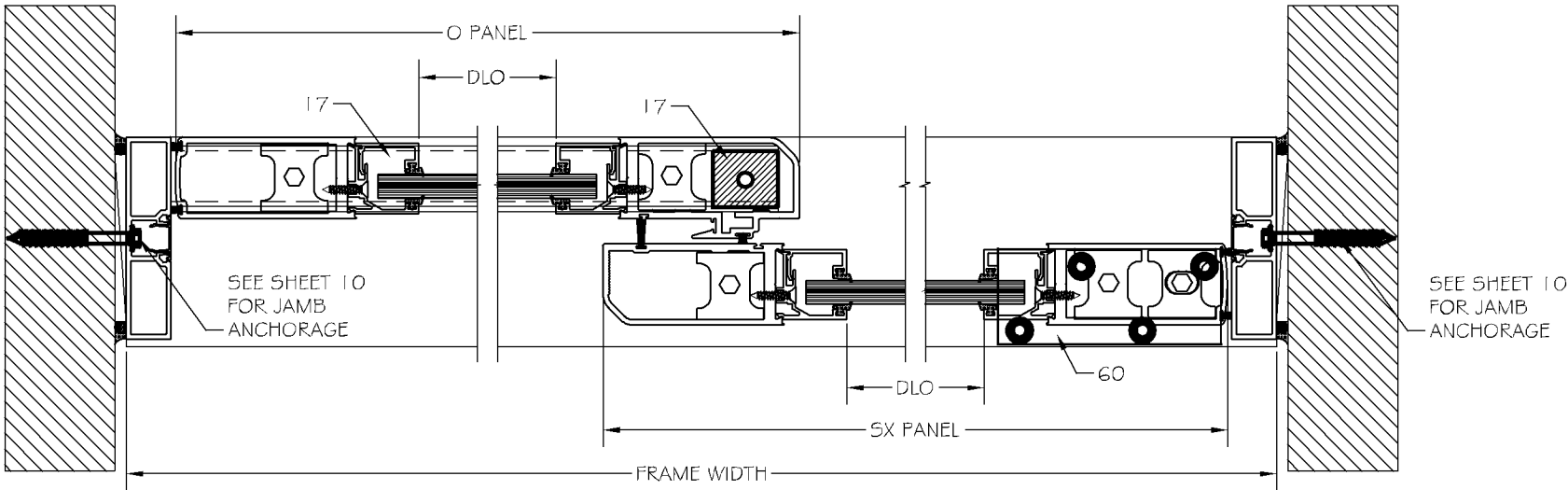
TYPICAL DOOR SECTIONS H1 AND H2
O-SX: SX-O AND O-SX



SECTION H1



SECTION H2



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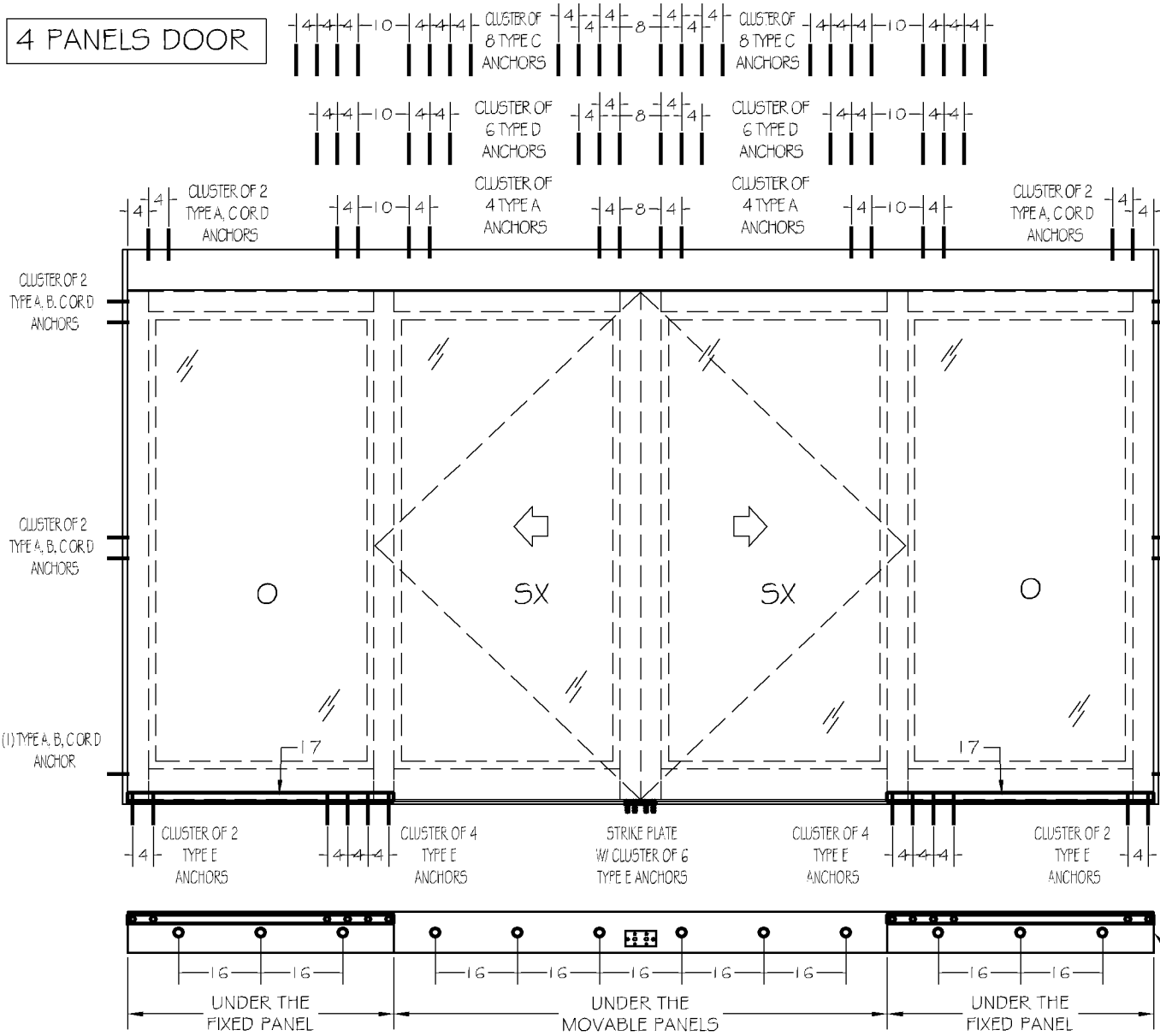
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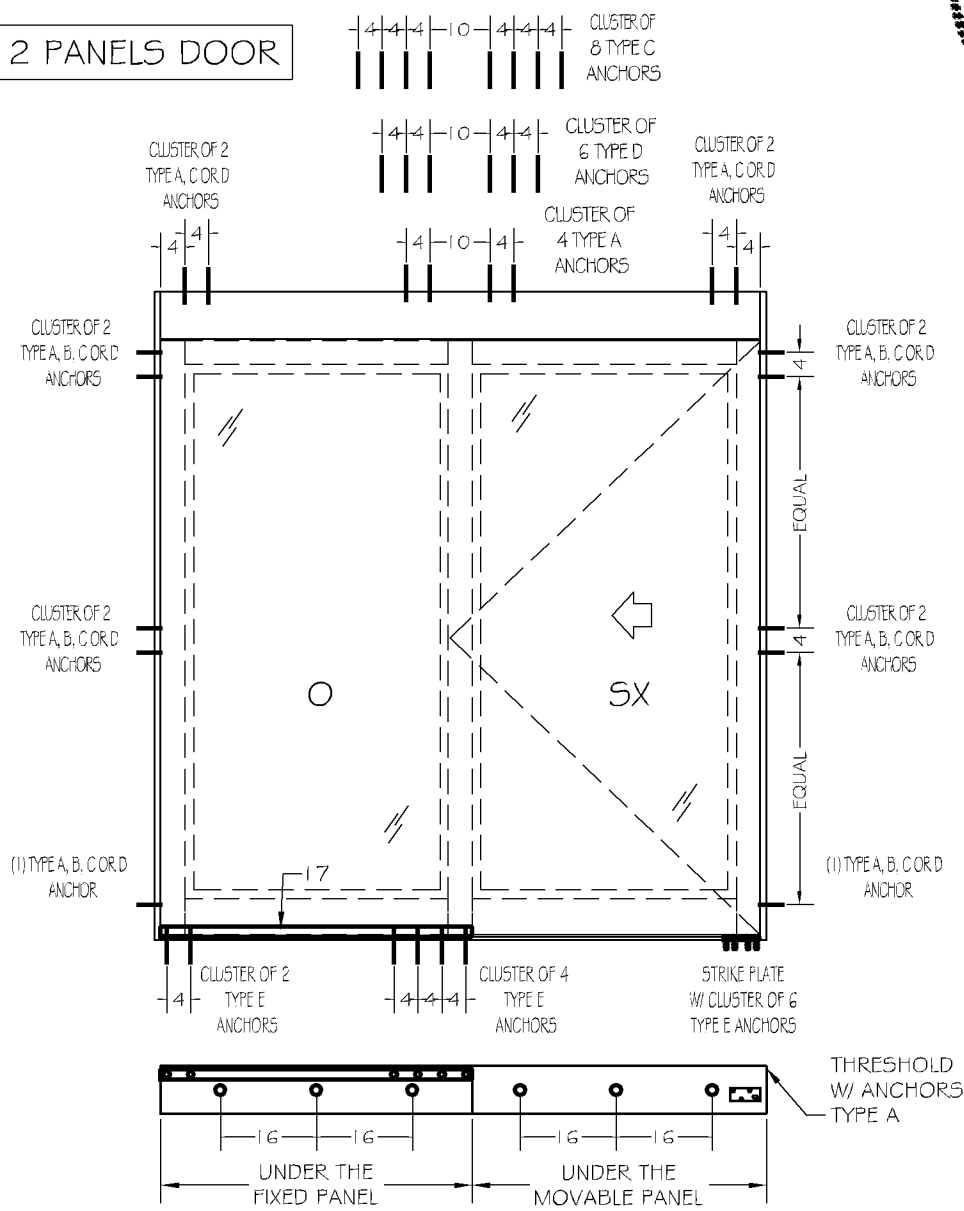
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DRAWING #
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SHEET
4 of 16

TYPICAL FRAMING ANCHORAGE LAYOUT
FOR O-SX:5X-O AND O-SX ELEVATION

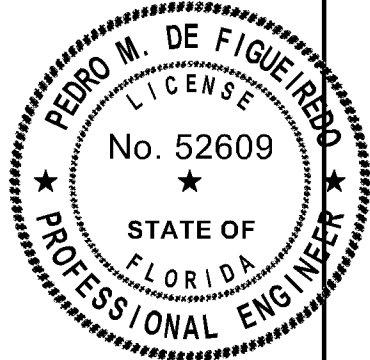
4 PANELS DOOR



2 PANELS DOOR



Anchor Type	Anchor Description	Min. Edge Distance (ED) inches	Min. Anchor Spacing inches oc
A	5/16" Tapcon by ITW Buildex 2 1/4" into 3000 psi concrete	2 1/2"	4"
B	5/16" Tapcon by ITW Buildex 2 1/4" into GF CMU wall	4"	4"
C	5/16" Tapcon by ITW Buildex 1 1/2" into Wood (SG>=0.55)	1"	3"
D	5/16" Self Drilling Screws into 1/8" Metal (6063-T6 Alum / ASTM A36 Steel)	1"	3"
E	1/4" Tapcon by ITW Buildex 1 3/4" into 3000 psi concrete	3"	4"



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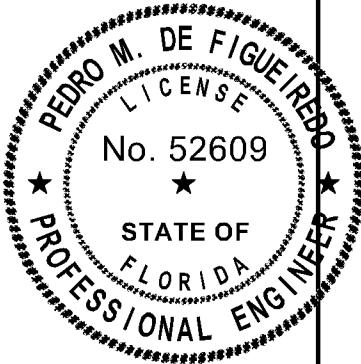
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5 of 16

TYPICAL DOOR ELEVATIONS
SO-SX: SX-SO AND SO-SX



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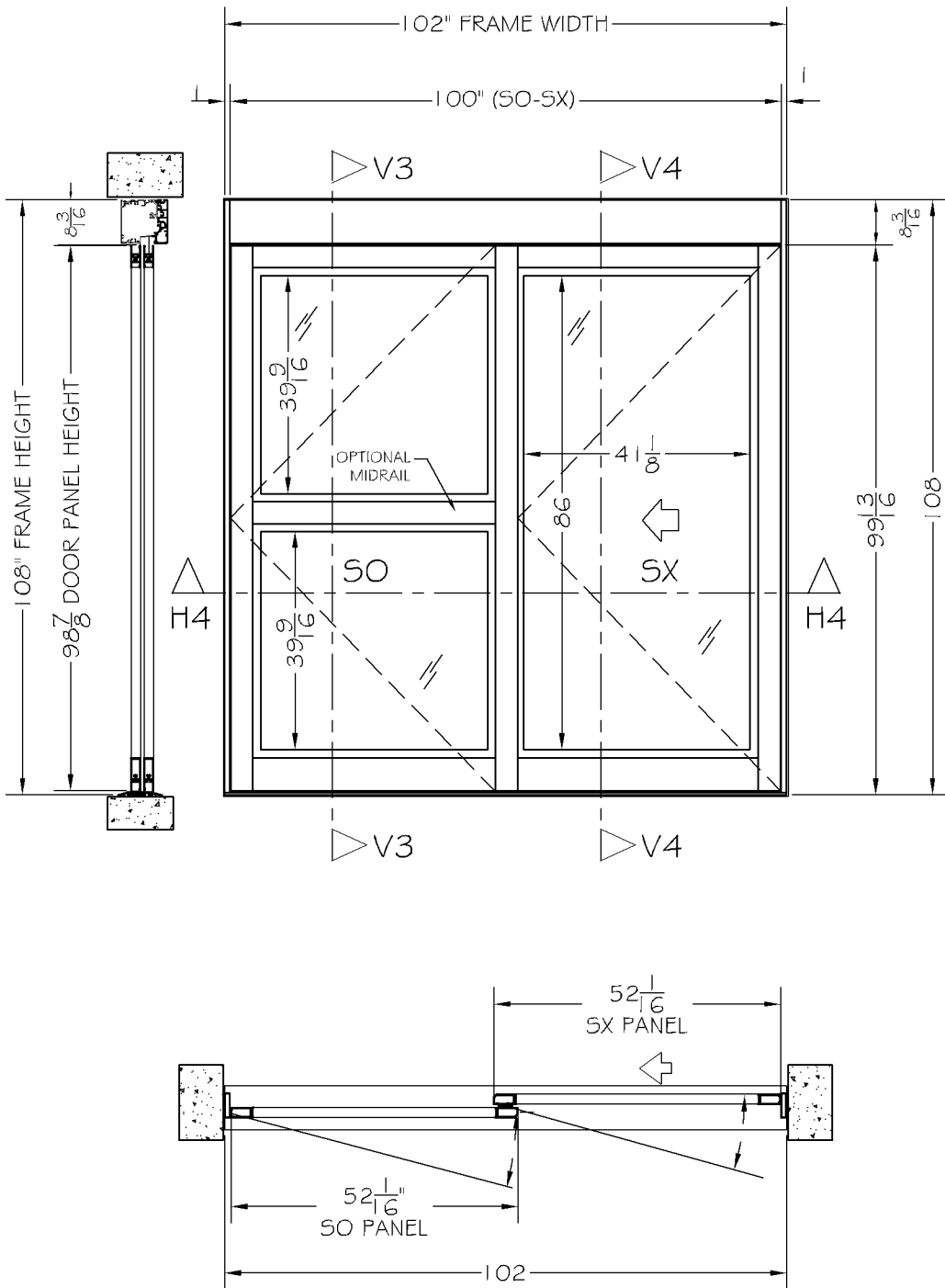
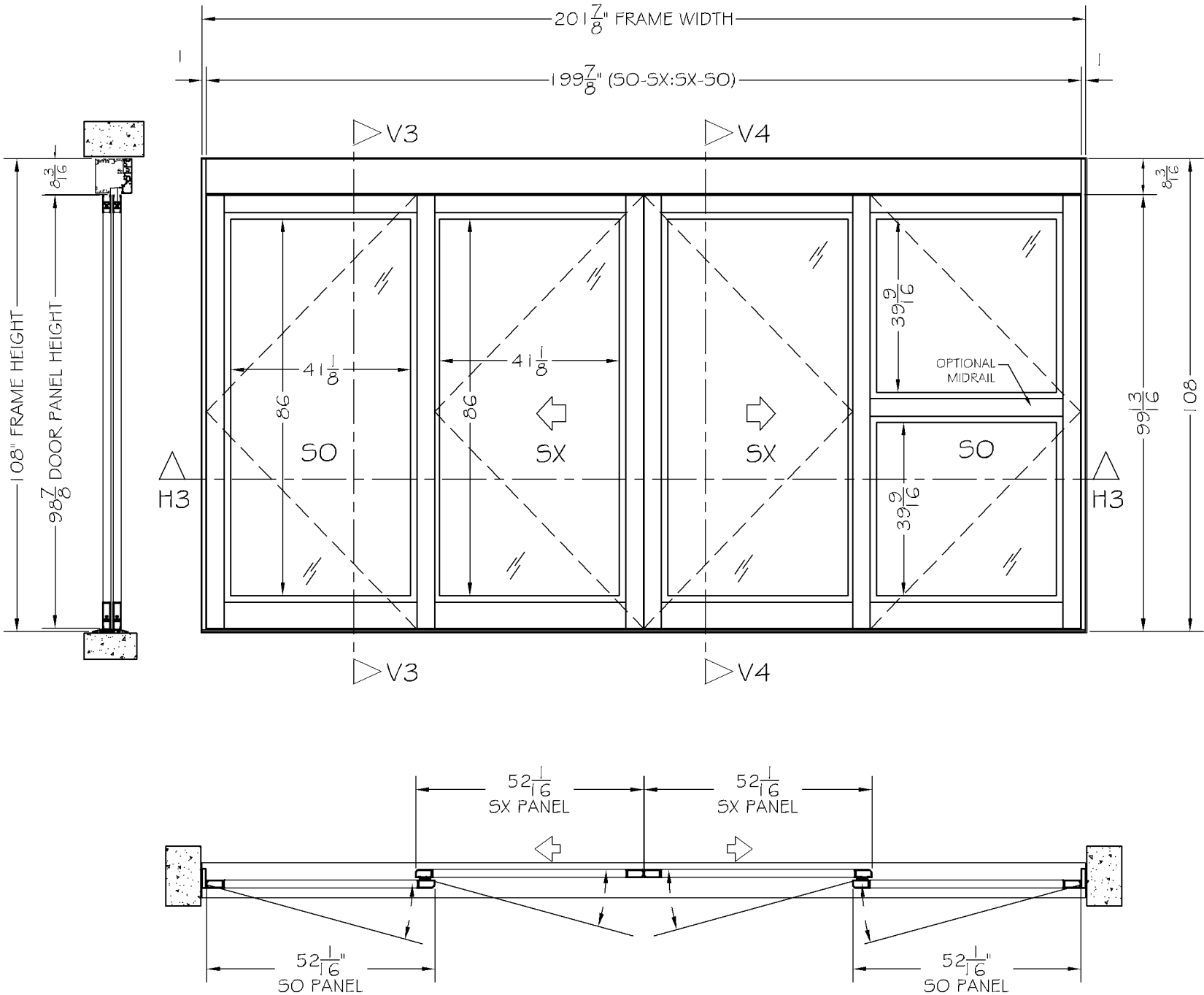


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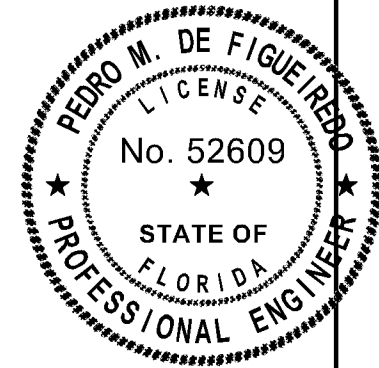
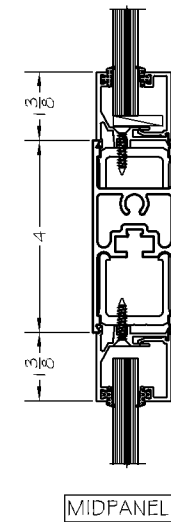
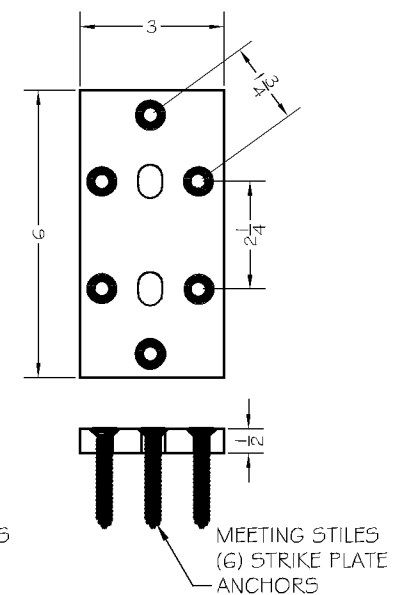
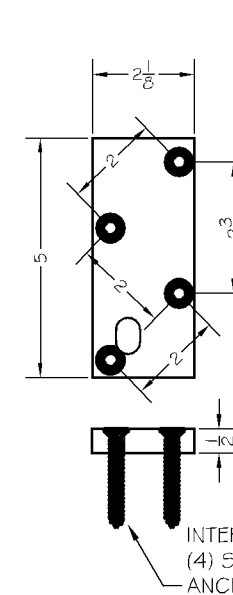
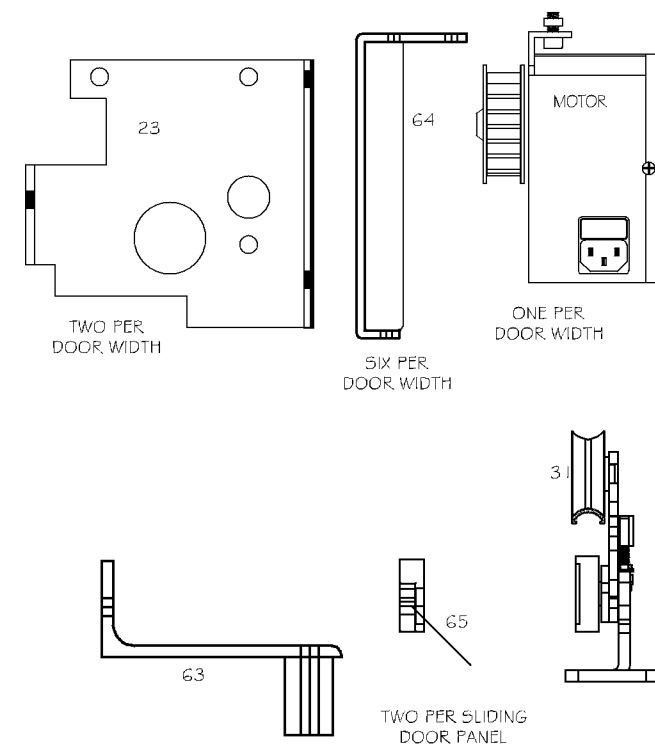
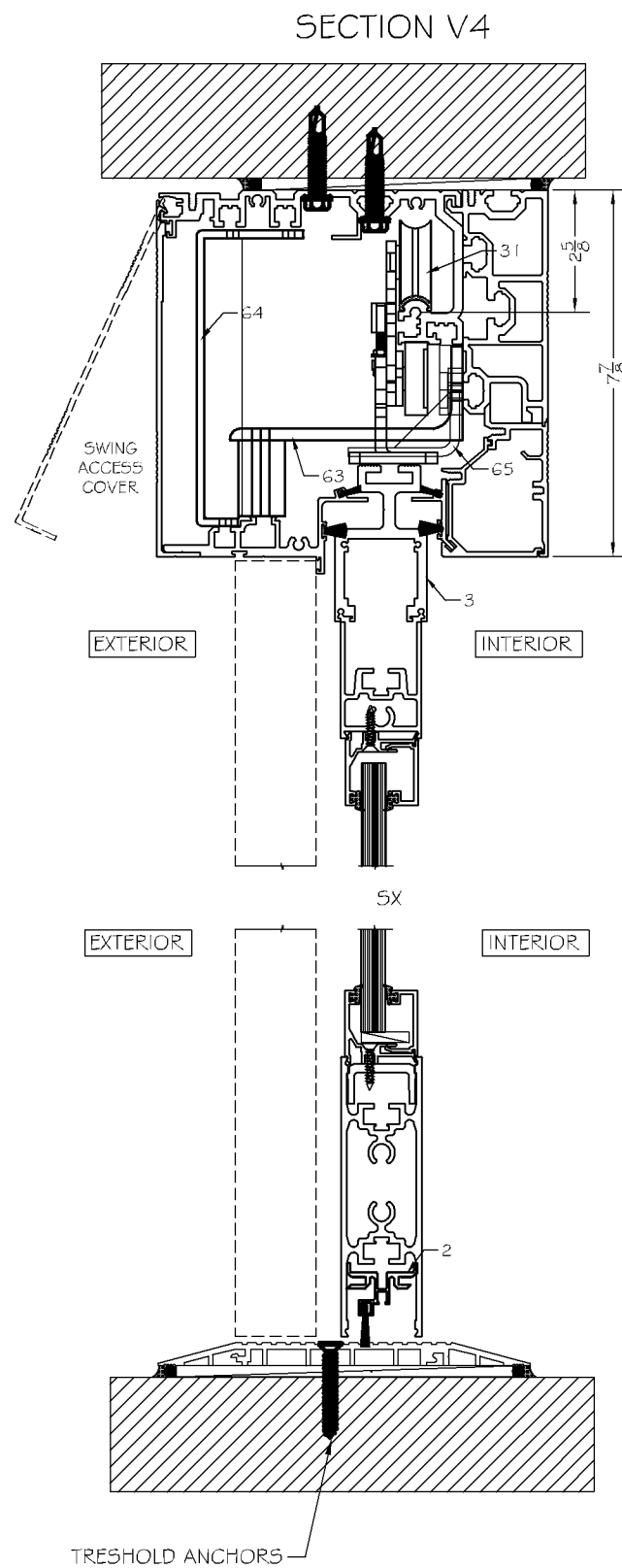
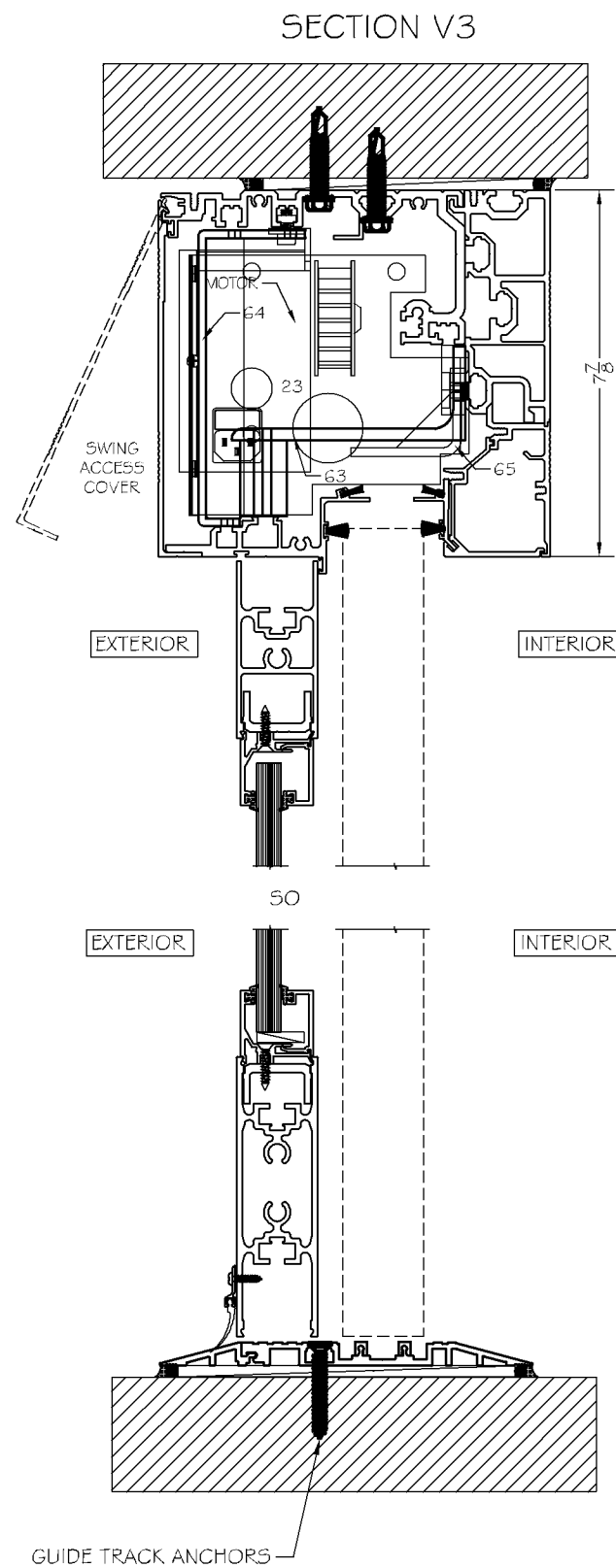
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6 of 16



TYPICAL DOOR SECTIONS V3 AND V4
SO-SX: SX-SO AND SO-SX



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PRODUCT:
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FULLY # PARTIALLY BREAKOUT

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SCALE:
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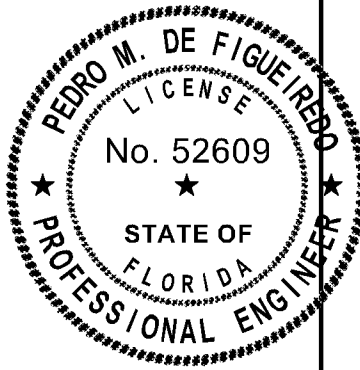
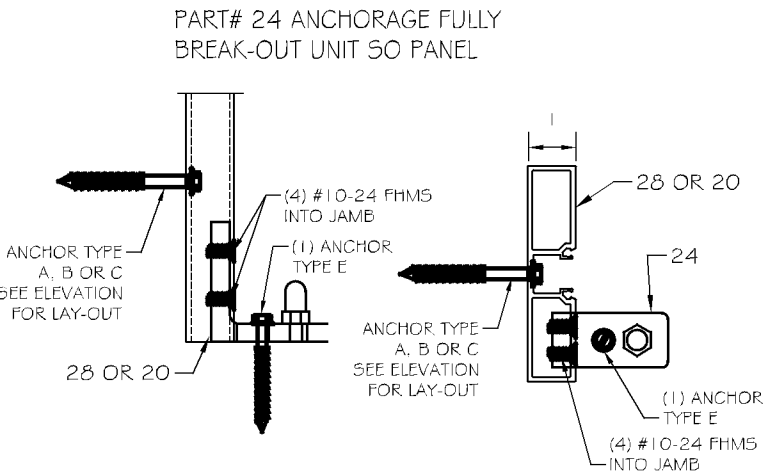
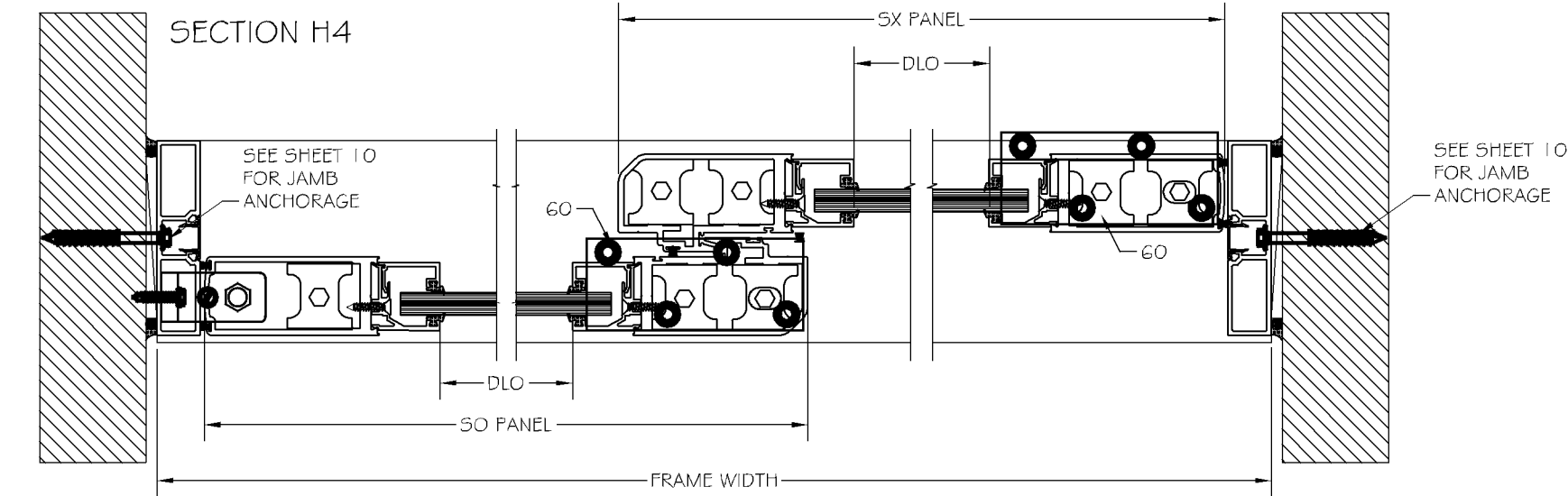
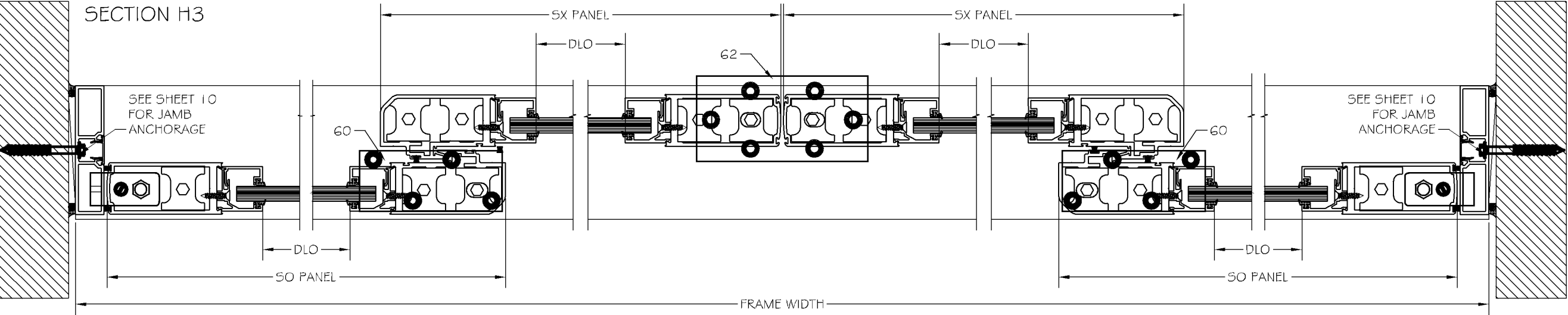
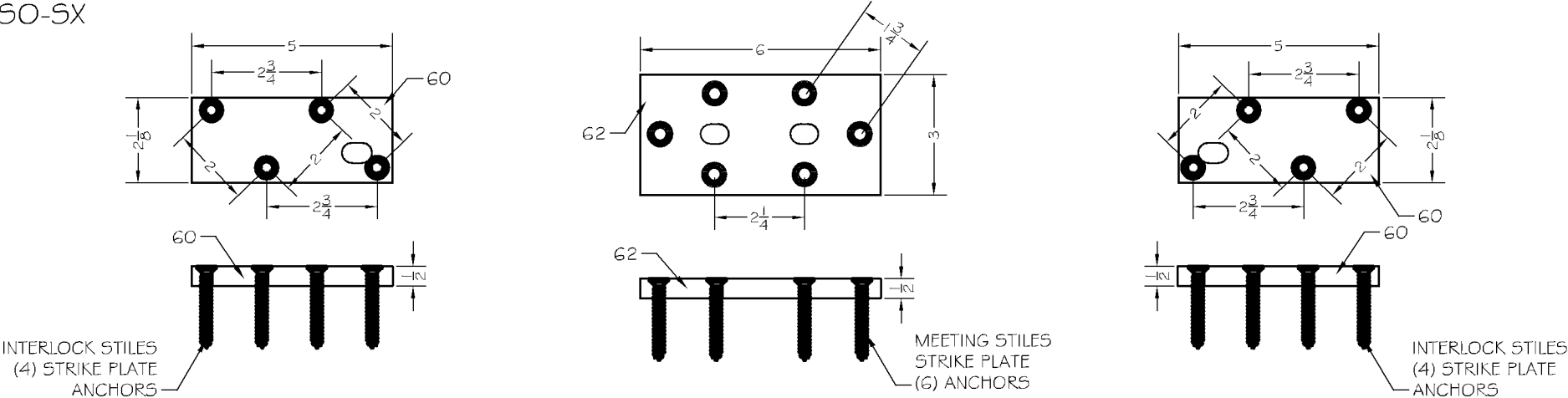
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7 of 16

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PEDRO DE FIGUEIREDO
PE 52609

TYPICAL DOOR SECTIONS H3 AND H4
SO-SX: SX-SO AND SO-SX



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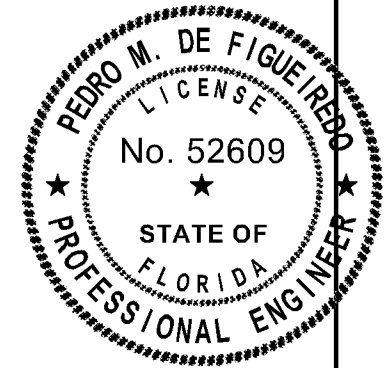
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8 of 16

4 PANELS DOOR

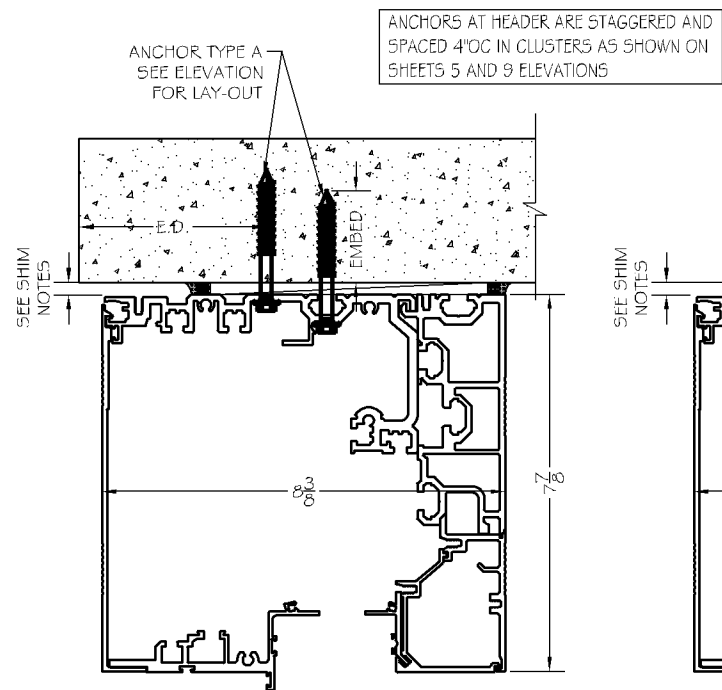


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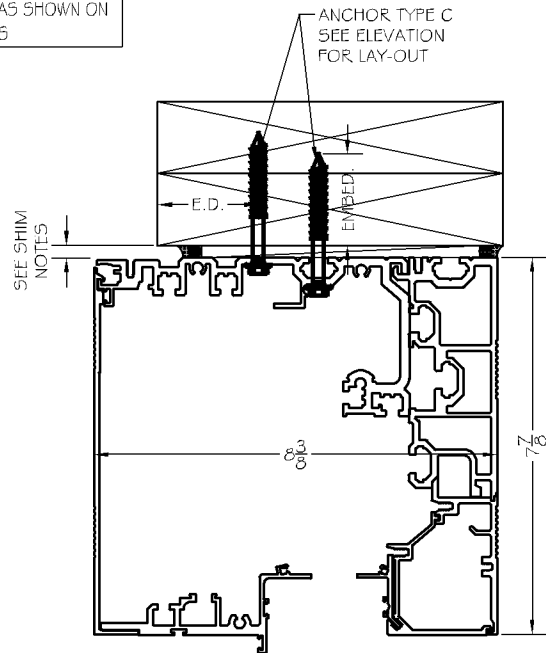
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AUTOMATIC DOORS

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9 of 16

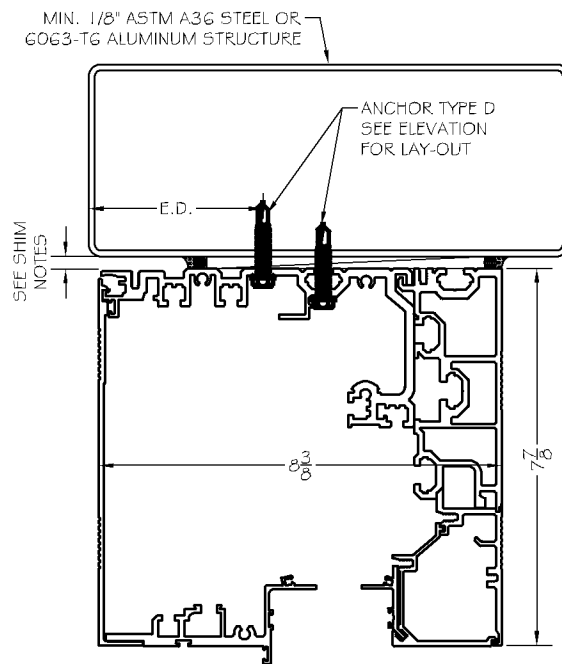
Anchor Type	Anchor Description	Min. Edge Distance (ED) inches	Min. Anchor Spacing inches oc
A	5/16" Tapcon by ITW Buildex 2 1/4" into 3000 psi concrete	2 1/2"	4"
B	5/16" Tapcon by ITW Buildex 2 1/4" into GF CMU w all	4"	4"
C	5/16" Tapcon by ITW Buildex 1 1/2" into Wood (SG>=0.55)	1"	3"
D	5/16" Self Drilling Screws into 1/8" Metal (6063-T6 Alum / ASTM A36 Steel)	1"	3"
E	1/4" Tapcon by ITW Buildex 1 3/4" into 3000 psi concrete	3"	4"



HEADER ANCHORAGE DETAIL
INTO CONCRETE

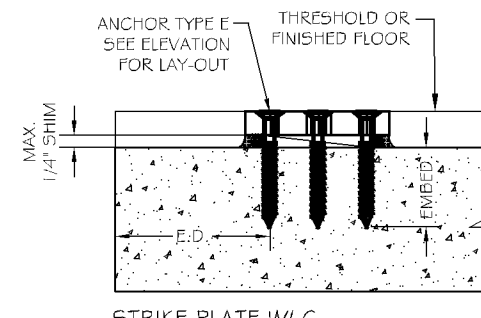
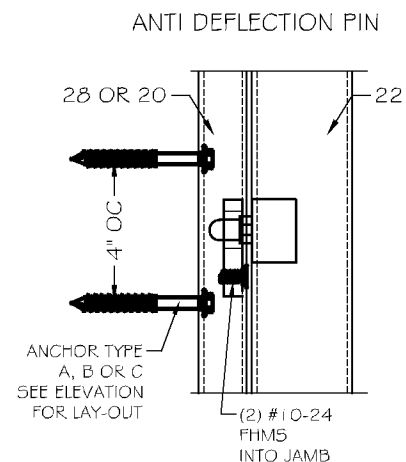


HEADER ANCHORAGE DETAIL
INTO WOOD BUCK



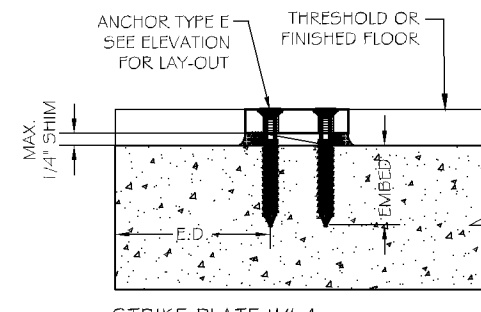
HEADER ANCHORAGE DETAIL
INTO METAL STRUCTURE

HEADER SHIM NOTES:
1- 5/16" MAX. SHIM FOR THE ANCHORAGE
TYPE AND LAY-OUT SPECIFIED HERE IN.
2- 1/2" MAX. SHIM POSSIBLE WITH 1/4"x6"
ALUMINUM PLATE ATTACHED TO THE
TOP OF THE HEADER OR SITE SPECIFIC
ANCHORAGE CALCULATION CONSIDERING
ANCHOR BENDING CAPACITY

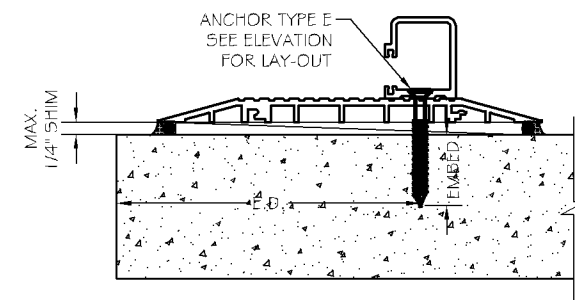
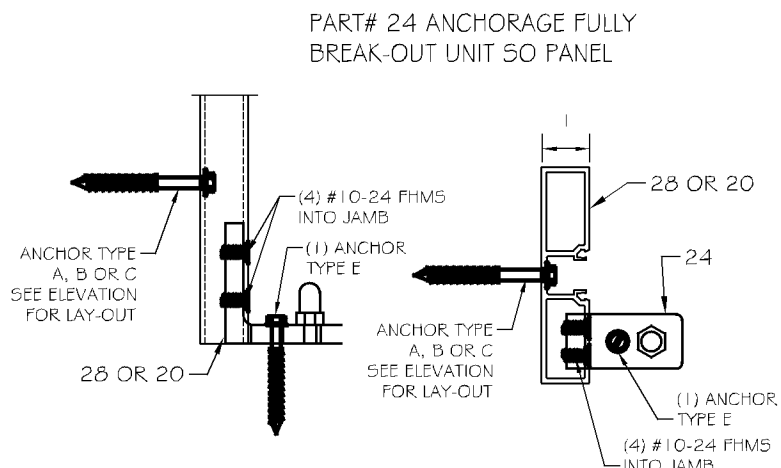
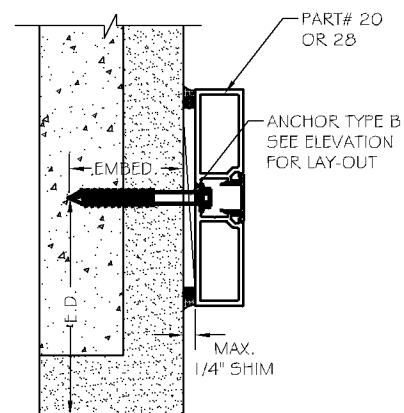


STRIKE PLATE W/ 6
ANCHORS TYPE E
INTO CONCRETE

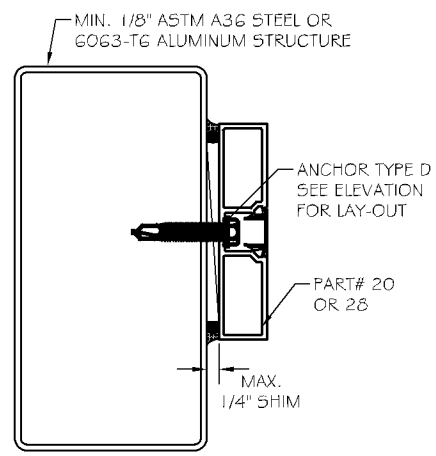
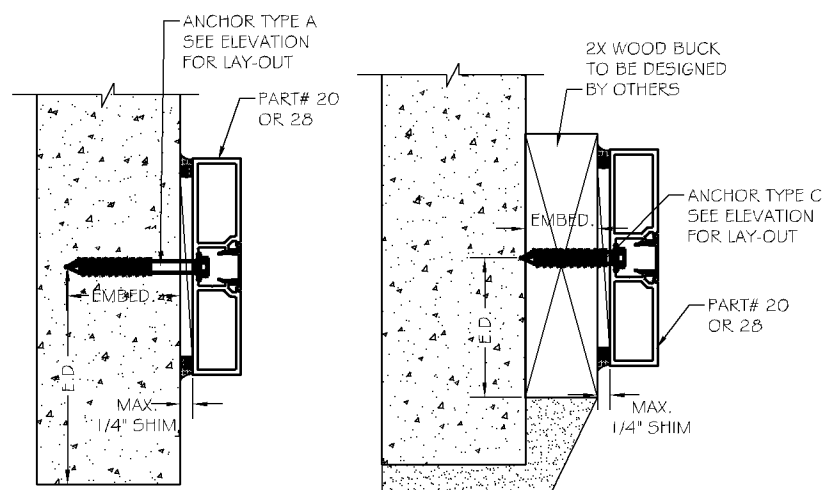
STRIKE PLATES TO BE CONNECTED
TO THE SUBSTRATE INDEPENDENT OF
THE THRESHOLD OR GUIDE TRACK



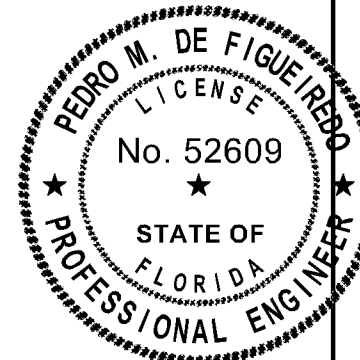
STRIKE PLATE W/ 4
ANCHORS TYPE E
INTO CONCRETE



THRESHOLD
SILL ANCHORAGE DETAIL
INTO CONCRETE



Anchor Type	Anchor Description	Min. Edge Distance (ED) inches	Min. Anchor Spacing inches oc
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GLAZING OPTIONS

DRY GLAZING CONFIGURATIONS:

LARGE MISSILE RATED:

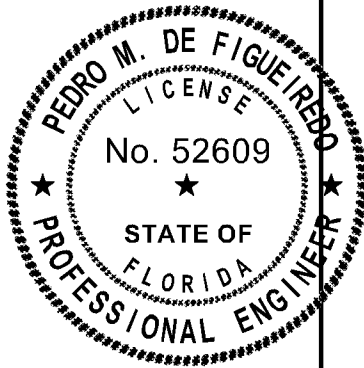
G1: 7/16" H5 COMPOSED OF 1/4" H5 INNER LITE, 0.090" SENTRYGLAS INTERLAYER AND 3/16" H5 OUTER LITE
G2: 1" IG COMPOSED OF 3/16" FT OUTER LITE, 1/4" AIR SPACE AND G1 INNER LAMINATED GLASS

NON IMPACT RATED:

G3: 1" IG COMPOSED OF (2) 1/4" FT LITES AND 1/2" AIR SPACE
G4: 1/4" FT LITE

GLASS BITE:

MINIMUM 7/8" FOR ALL GLAZING DETAILS



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GILDOR
AUTOMATIC DOORS

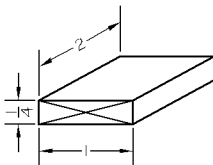
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DATE:
09/25/2023

DRAWING #
23-180

SHEET
11 of 16

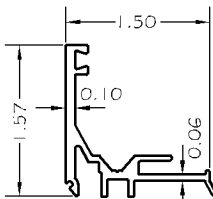
GLAZING COMPONENTS



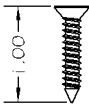
57- SETTING BLOCK
(2) PER LITE
(330-096)



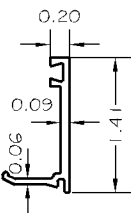
18- GLASS
STOP BEAD
(330-003)



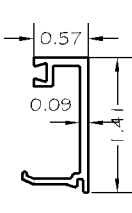
53- GLAZING BASE
(311-009B)



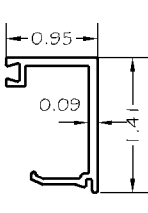
#10X1 FH5M5



55- 1" FACE
(311-008B)



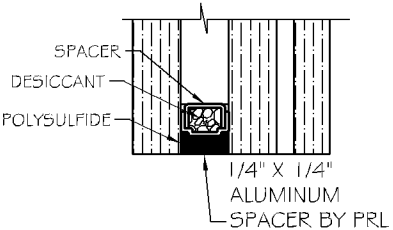
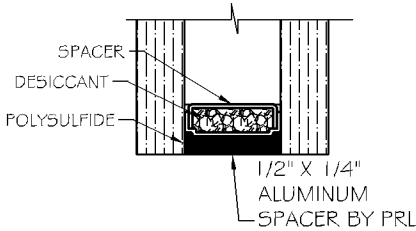
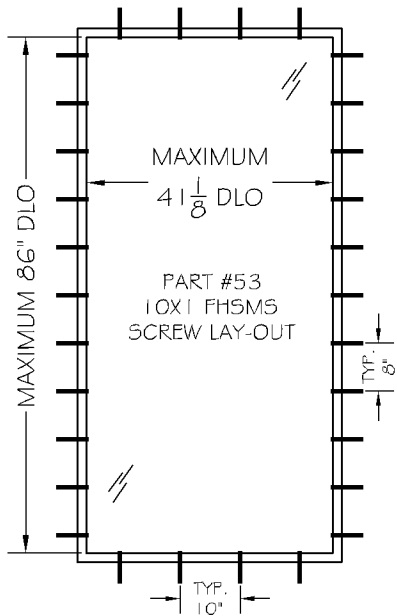
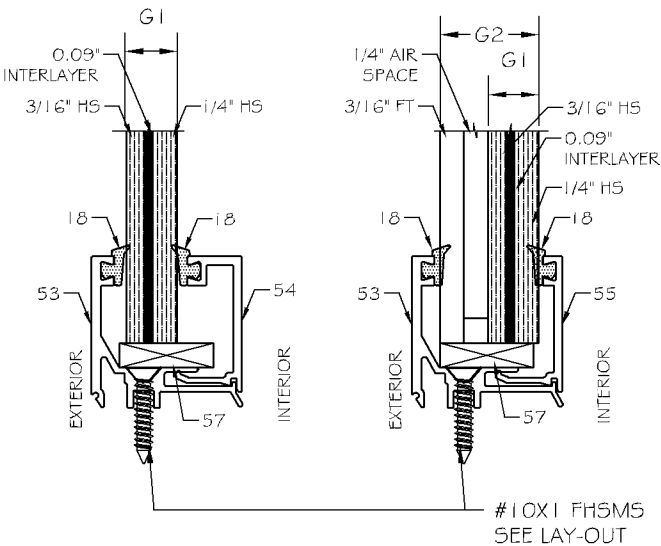
54- 1/2" FACE
(311-004B)



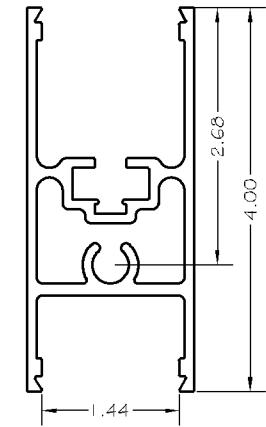
56- 1/4" FACE
(311-011B)

GLAZING STOPS PART #54, #55 AND #56
INSTALLED FACING THE INTERIOR

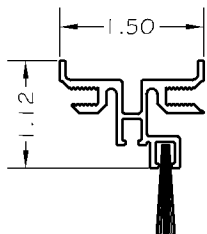
GLAZING IS COMPLIANT
WITH ASTM E1300



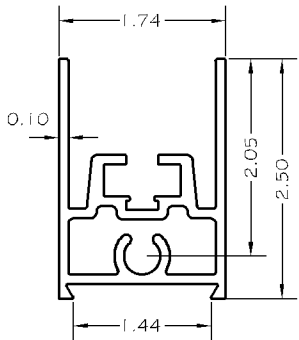
DOOR COMPONENTS



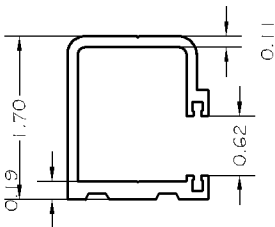
1 - 4" DOOR RAIL
6063-T5 ALLOY



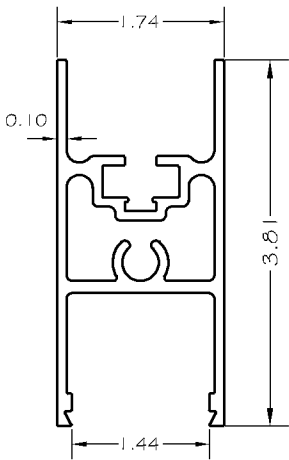
2 - HORIZONTAL
SHEAR BLOCK
6063-T5 ALLOY



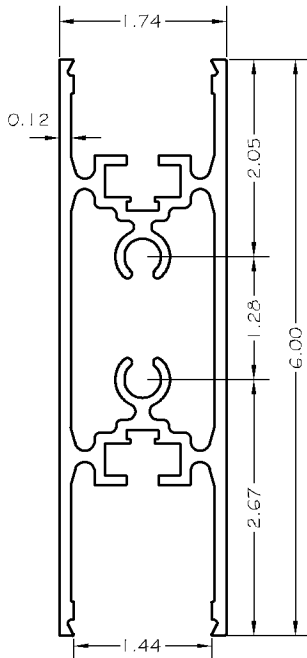
4 - 2 1/2" DOOR RAIL
6063-T5 ALLOY



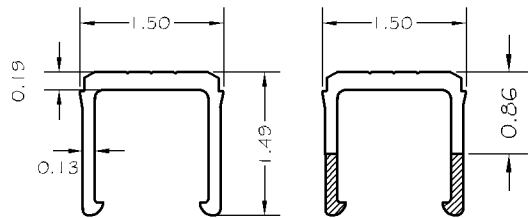
17 - FIXED SIDELITE
GUIDE TRACK
6063-T5 ALLOY



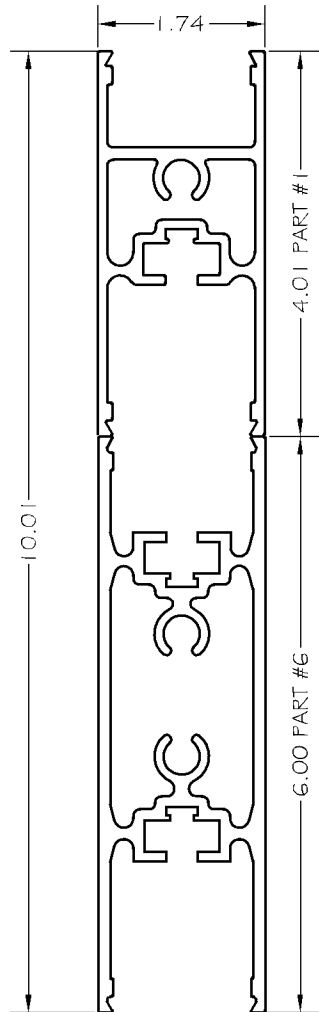
5 - 3 1/2" DOOR RAIL
6063-T5 ALLOY



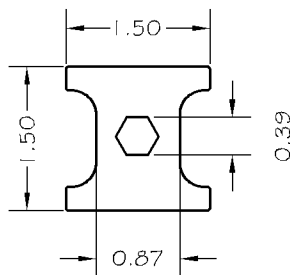
6 - 6" DOOR RAIL
6063-T5 ALLOY



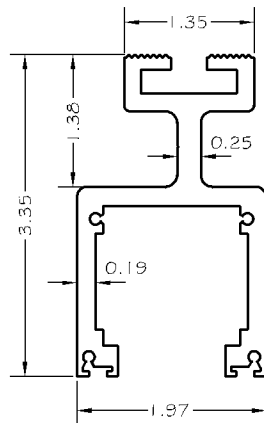
16 - GLASS STOP
BASE CHANNEL
6063-T5 ALLOY



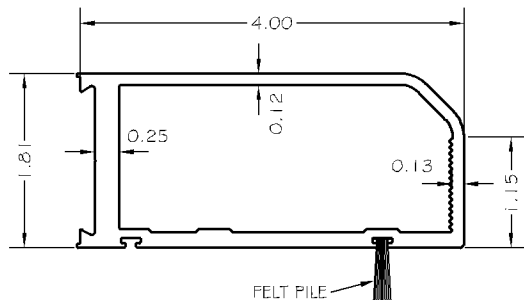
15 - 10" DOOR RAIL
6063-T5 ALLOY



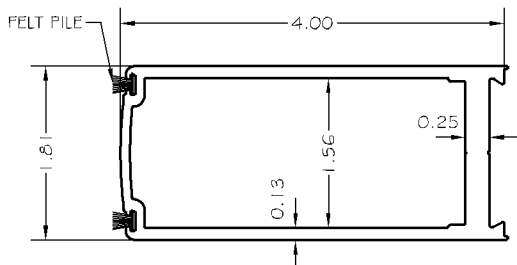
58 - STILES
REINFORCEMENT
6063-T5 ALLOY
VERTICAL STILES MINUS 12"



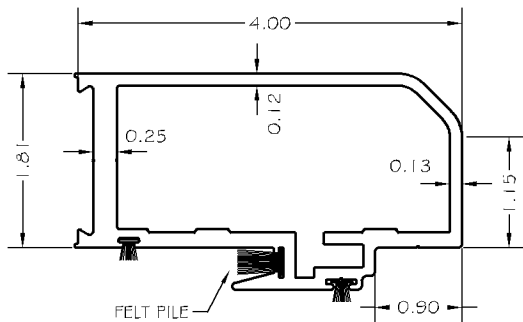
3 - CARRIER
6063-T5 ALLOY



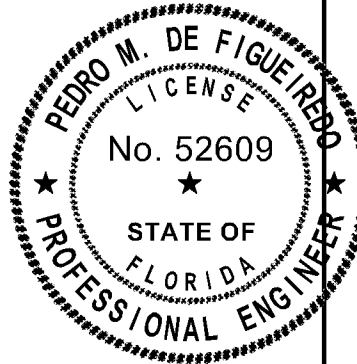
25 - 4" BEVELED STILES
6063-T6 ALLOY



22 - 4" MEETING / END STILE
6063-T6 ALLOY



21 - 4" INTERLOCK STILE
6063-T6 ALLOY



Pedro De Figueiredo
09/25/2023



PRODUCT:
MODEL SLM-H
AUTOMATIC SLIDING GLASS DOOR
FULLY & PARTIALLY BREAKOUT

4550 SCHAEFER AVE.
CHINO, CA 91710
PH: (800) 211-5838
HALL@GILDOR.COM

GILDOR
AUTOMATIC DOORS

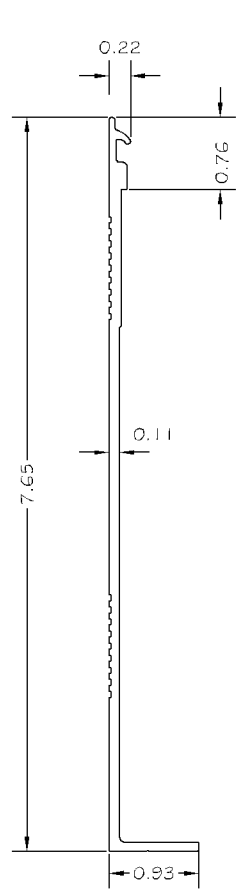
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DATE:
09/25/2023

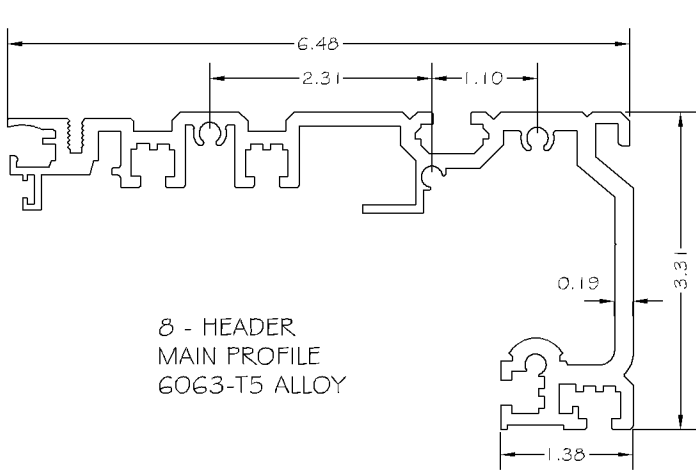
DRAWING #
23-180

SHEET
12 of 16

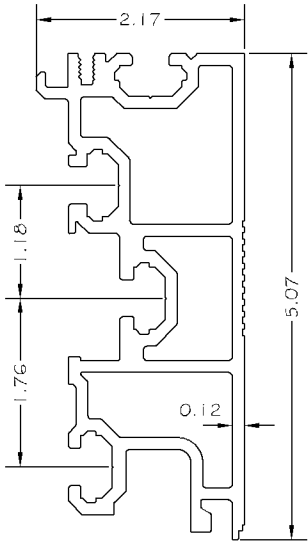
DOOR HEADER / SILL COMPONENTS



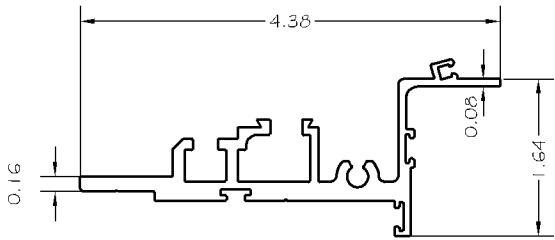
7 - HEADER
ACCESS PANEL
6063-T5 ALLOY



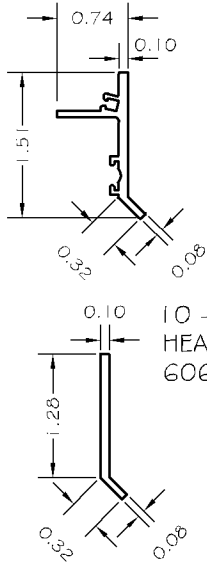
8 - HEADER
MAIN PROFILE
6063-T5 ALLOY



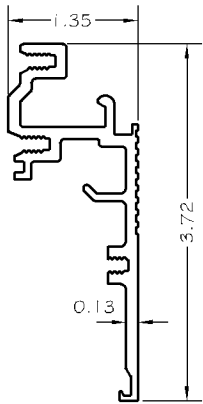
11 - HEADER
UPPER BACK
6063-T5 ALLOY



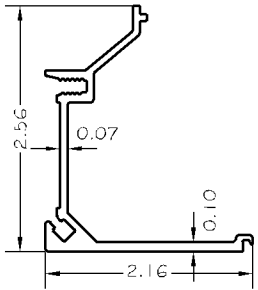
9 - HEADER
BOTTOM ANGLE
6063-T5 ALLOY



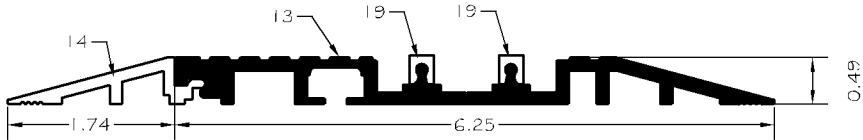
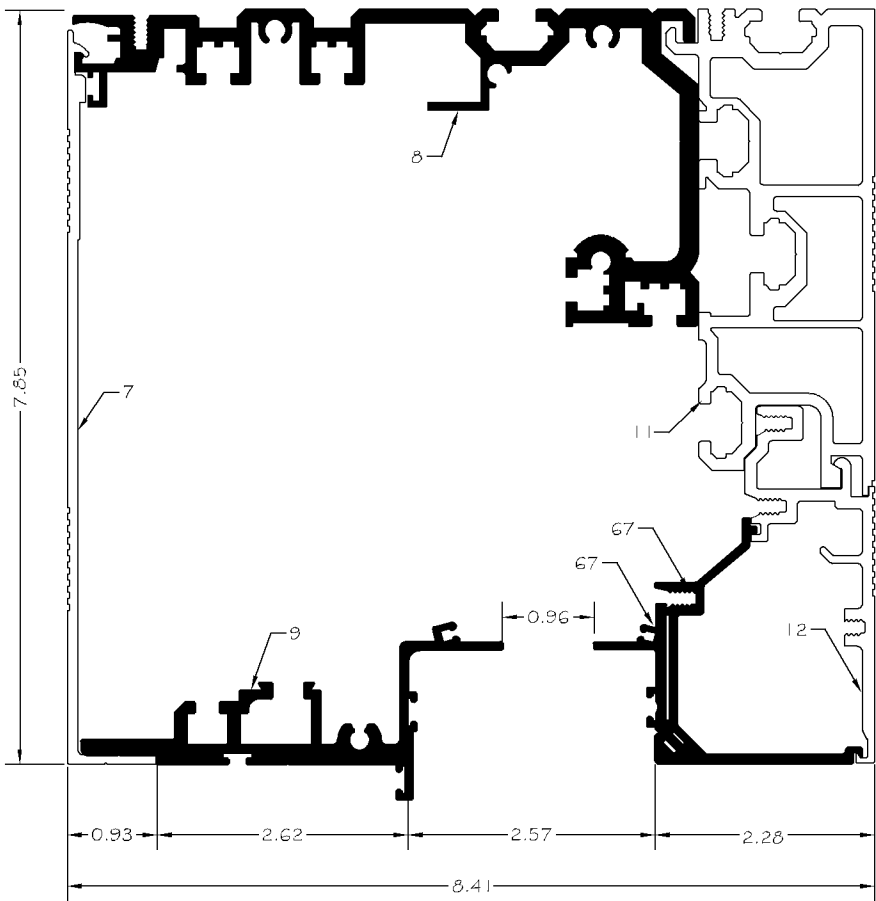
10 - SMALL
HEADERBACK FILLER
6063-T5 ALLOY



12 - HEADER
LOWER BACK
6063-T5 ALLOY

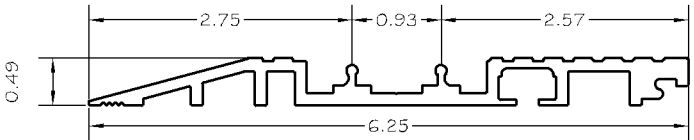
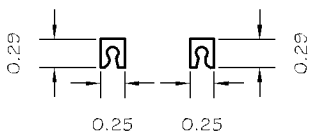


67 - LG HEADER
LOWER CLOSURE FILLER
6063-T5 ALLOY



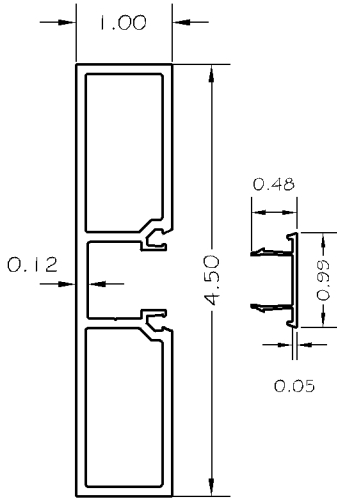
14 - THRESHOLD RAMP
6063-T5 ALLOY

19 - FLOOR TRACK CAPS

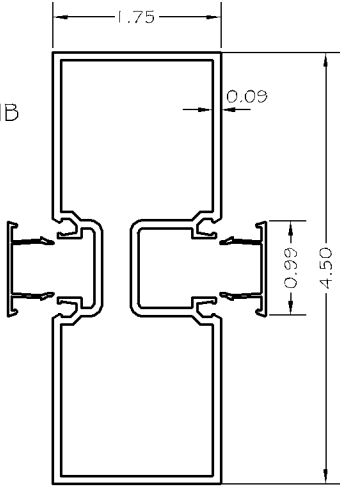


13 - FULL BREAKOUT TRACK
6063-T5 ALLOY

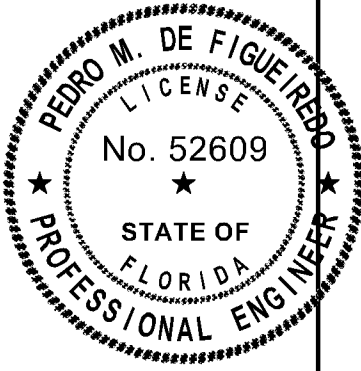
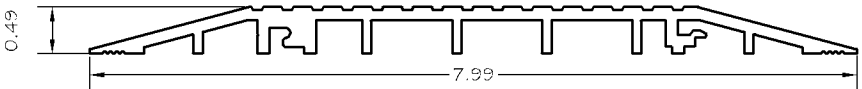
28 - JAMB WITH
SNAP COVER
6063-T5 ALLOY



20 - ALTERNATE JAMB
W/ SNAP COVERS
6063-T5 ALLOY



35 - 1/2" THRESHOLD FSL
6063-T5 ALLOY



Pedro De Figueiredo
09/25/2023



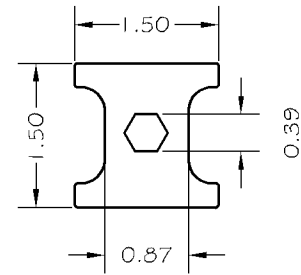
PRODUCT:
MODEL SLM-H
AUTOMATIC SLIDING GLASS DOOR
FULLY & PARTIALLY BREAKOUT

4550 SCHAEFER AVE.
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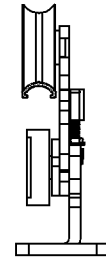
GILDOR
AUTOMATIC DOORS

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1:3/8
DATE:
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DRAWING #
23-180
SHEET
13 of 16

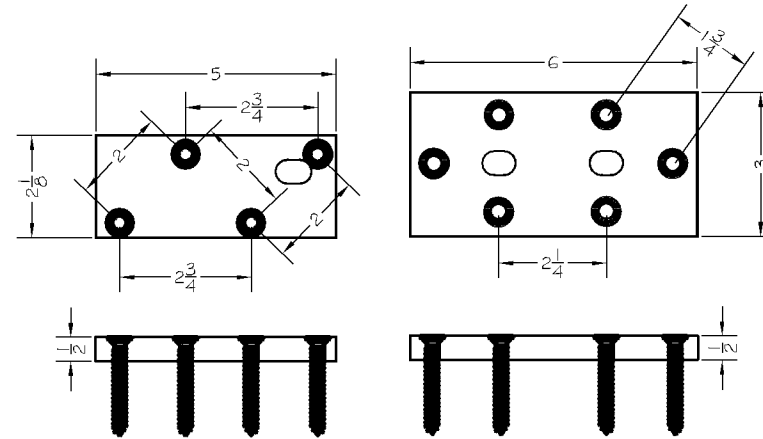
PARTIAL BREAK-OUT - HARDWARE COMPONENTS



37 - ACTIVE
LOCK BLOCK
6063-T5 ALLOY

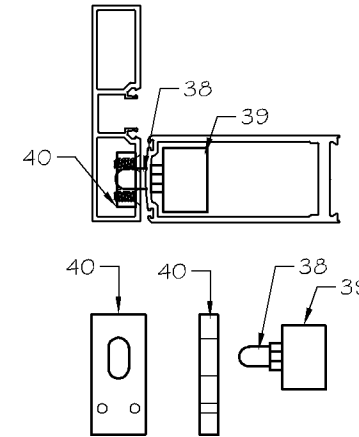


31 - KIT TROLLY
ROLLER KIT

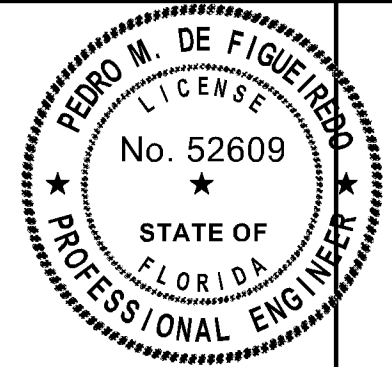
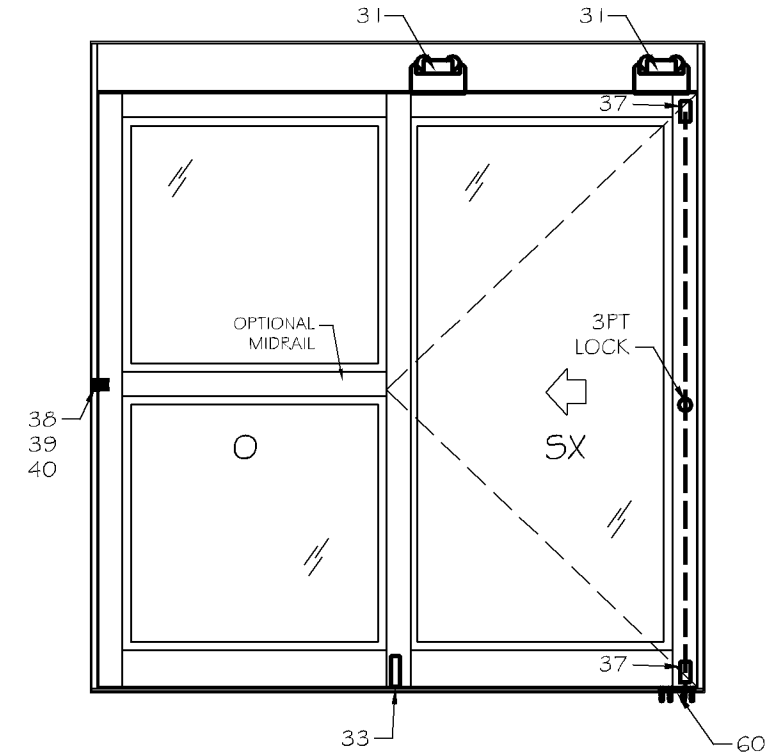
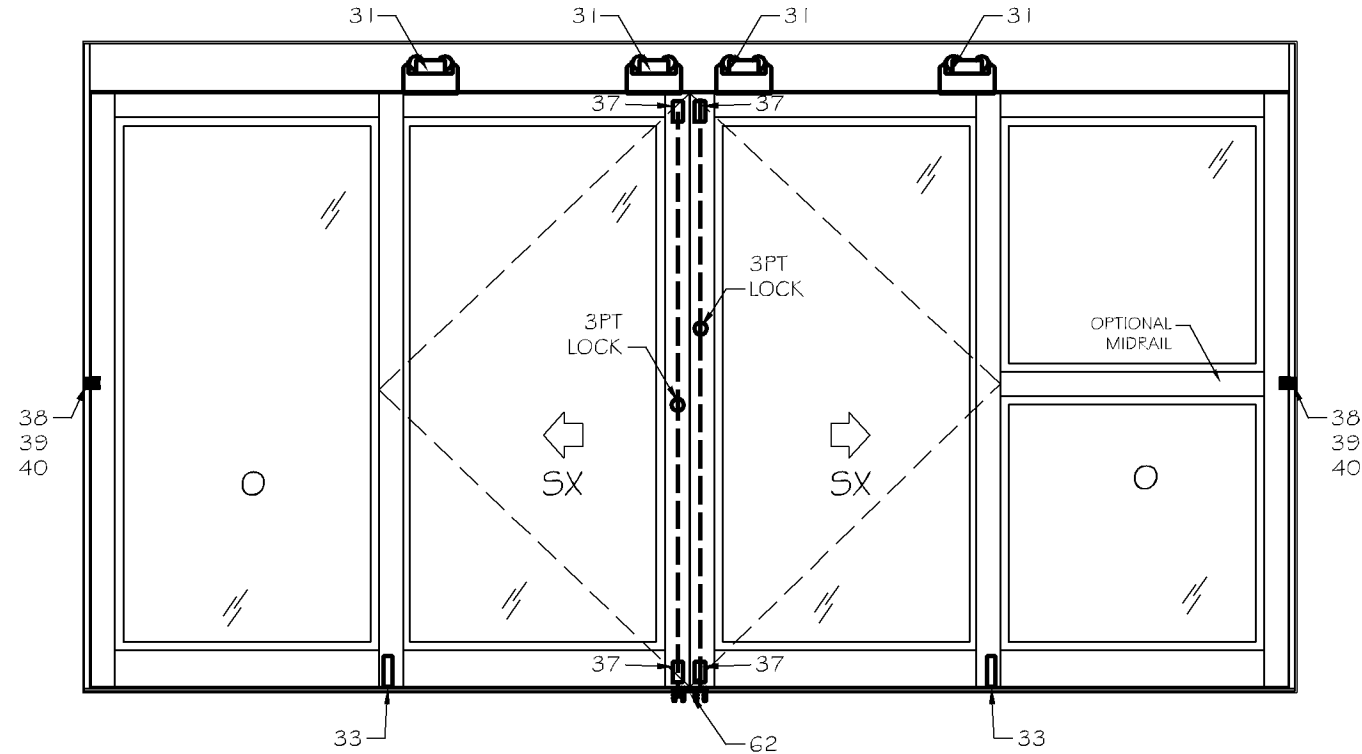


60 - FLOOR LOCK
STRIKE PLATE - STEEL

62 - FLOOR LOCK
STRIKE PLATE - STEEL



ANTI DEFLECTION PIN



Pedro De Figueiredo
09/25/2023



ENGINEERING SERVICES - CA 32459
9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER
PEDRO DE
PE 5

PRODUCT:
MODEL SLM-H
AUTOMATIC SLIDING GLASS DOOR
FULLY & PARTIALLY BREAKOUT

4550 SCHAEFER AVE.
CHINO, CA 91710
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GILDOR
AUTOMATIC DOORS

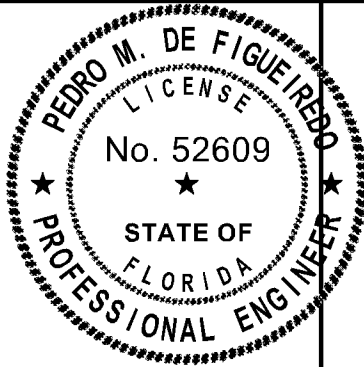
SCALE:
:3/8

DATE:
09/25/2023

DRAWING #
23-180

SHEET
4 of 16

FULL BREAK-OUT - HARDWARE COMPONENTS



Pedro De Figueiredo
09/25/2023

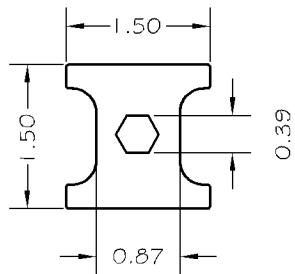


PRODUCT:
MODEL SLM-H
AUTOMATIC SLIDING GLASS DOOR
FULLY & PARTIALLY BREAKOUT

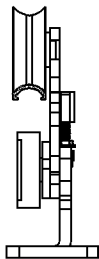
4550 SCHAEFER AVE.
CHINO, CA 91710
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GILDOR
AUTOMATIC DOORS

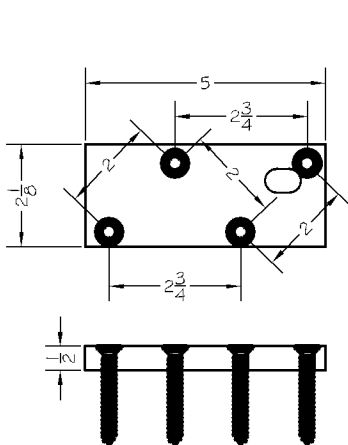
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DATE:
09/25/2023
DRAWING #
23-180
SHEET
15 of 16



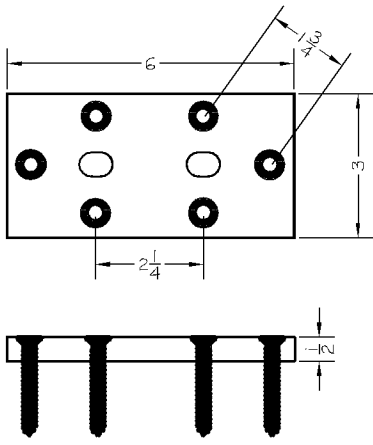
37 - 1 1/2" ACTIVE
LOCK BLOCK
6063-T5 ALLOY



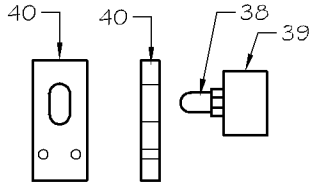
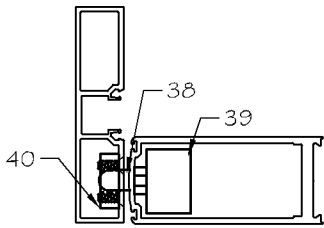
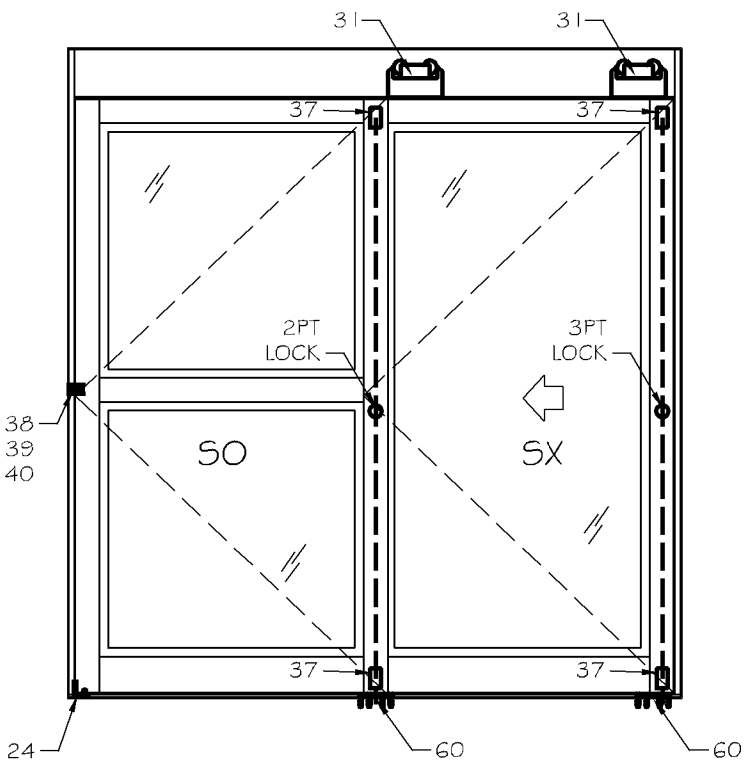
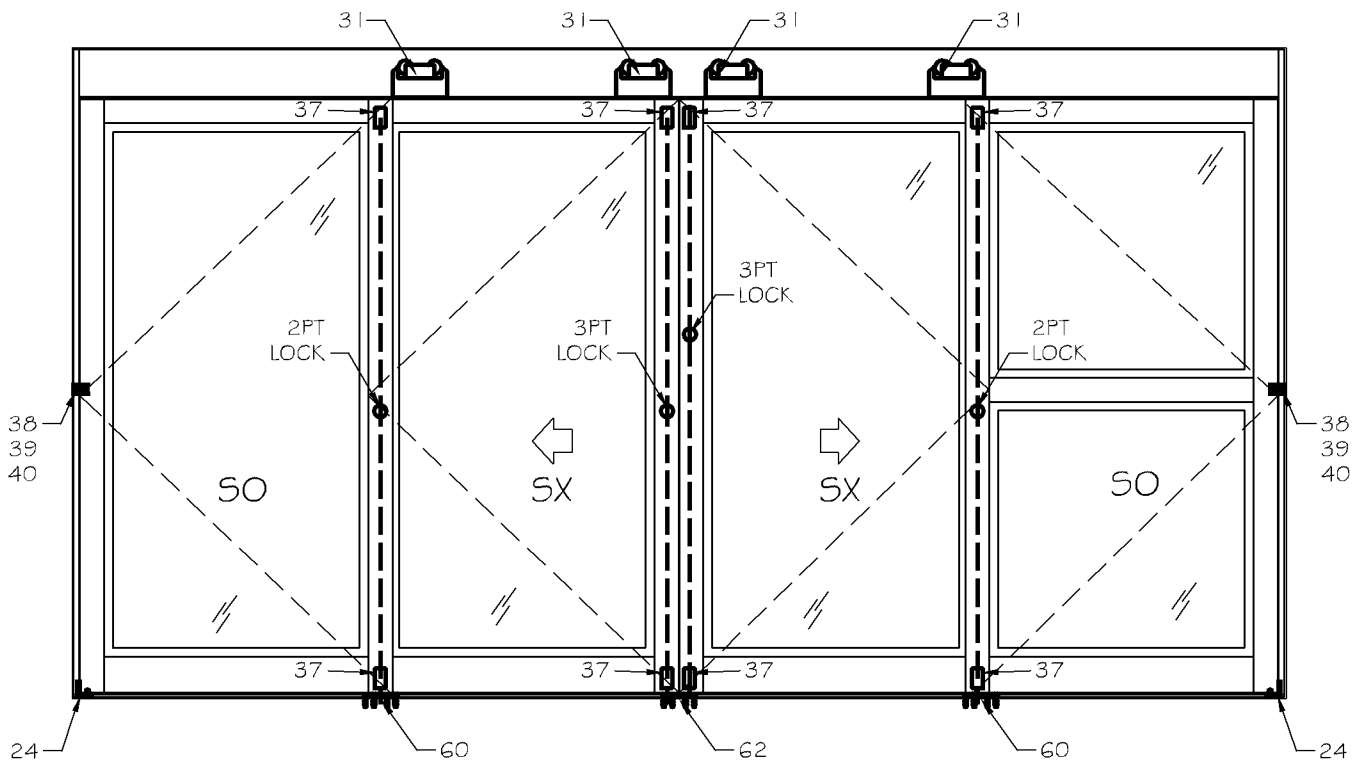
31 - KIT TROLLY
ROLLER KIT



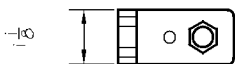
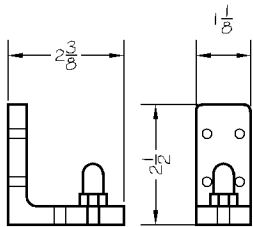
60 - FLOOR LOCK
STRIKE PLATE - STEEL



62 - FLOOR LOCK
STRIKE PLATE - STEEL



ANTI DEFLECTION PIN

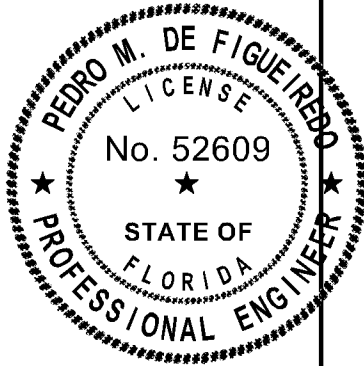


24 - KIT SIDELITE
BOTTOM PIVOT

BILL OF MATERIALS

ITEM	PART NUMBER	DESCRIPTION	MATERIAL
1	31X-015	4" DOOR HORIZONTAL RAIL	AL 6063-T5
2	311-034 + 330-033	CONCEALED DOOR SWEEP	AL 6063-T5
3	11X-002	DOOR CARRIER	AL 6063-T5
4	31X-017	2 1/2" DOOR HORIZONTAL RAIL	AL 6063-T5
5	31X-018	3 1/2" DOOR HORIZONTAL RAIL	AL 6063-T5
6	31X-023B	6" DOOR HORIZONTAL RAIL	AL 6063-T5
7	11X-004B	HEADER ACCESS PANEL	AL 6063-T5
8	111-012B	MAIN HEADER PROFILE	AL 6063-T5
9	11X-003B	BOTTOM ANGLE	AL 6063-T5
10	11X-015B	SM HEADERBACK FILLER	AL 6063-T5
11	11X-013A	UPPER HEADERBACK	AL 6063-T5
12	11X-013B	LOWER HEADERBACK	AL 6063-T5
13	41X-004B + 430-001B	FULL BREAKOUT TRACK	AL 6063-T5
14	41X-006	THRESHOLD RAMP	AL 6063-T5
15	31X-015 + 31X-023B	10" STACKED DOOR HOR. RAIL - OPTIONAL	AL 6063-T5
16	311-033B	GLASS STOP BASE SUPPORT CHANNEL	AL 6063-T5
17	41X-007	FIXED SIDELIGHT GUIDE TRACK	AL 6063-T5
18	330-003	GLASS STOP BEAD	VINYL
19	430-001B	FLOOR TRACK CAPS	POLY HIGH DENSITY
20	21X-021 JAMB 21X-020 FILLER	VERTICAL JAMB 4 1/2" X 1 3/4" W/ FILLERS	AL 6063-T5
21	31X-019B	INTERLOCKING BEVELED STILES	AL 6063-T5
22	31X-020B	RADIUSED STILE	AL 6063-T5
23	15X-084HD	KIT END PLATES LEFT AND RIGHT	STEEL
24	25X-005	KIT SIDELITE BOTTOM PIVOT	AL 6063-T5, STEEL
25	31X-019	BEVELED STILES	AL 6063-T5
26	35X-002	KIT TOP BALL CATCH ACTIVE	AL 6063-T5, STEEL, NYLON
27	350-003B	KIT FBO BOTTOM GUIDE	AL 6063-T5, STEEL, NYLON
28	21X-950 JAMB 21X-020 FILLER	1" X 4 1/2" VERTICAL JAMB SINGLE SLIDE	AL 6063-T5
29	350-023	KIT FBO SIDE PANEL PIVOT	AL 6063-T5 STEEL BRONZE
30	350-060	KIT BPA ROD AND CARRIER ARM	STEEL BRONZE BUSHINGS
31	150-004	KIT TROLLY ROLLER KIT	STEEL POLY
32	150-040HD	KIT H-TYPE HEADER STK	STEEL
33	350-001	KIT FSL BOTTOM GUIDE / PIVOT	AL 6063 T5, STEEL, NYLON

ITEM	PART NUMBER	DESCRIPTION	MATERIAL
34	41X-002	1/4" THRESHOLD (OPTIONAL)	AL 6063 T5
35	41X-005	1/2" THRESHOLD FSL	AL 6063 T5
36			
37	390-075	ACTIVE LOCK BLOCK	AL 6063-T5
38	250-050HD	ANTI DEFLECTION PIN-IN KIT	STEEL
39	311-046	FBO PIN HOUSING IN KIT	AL 6063-T5
40	25X-050HD	AL PIN REC-JAMB IN KIT	AL 6063-T5
41	-	-	-
42	35X-040HD	AR KEY OP FLUSH BOLT	STEEL / ALUM
43	35X-030KA	KEYED CYLINDER	STEEL / BRASS
44	35X-031	THUMB TURN CYLINDER	STEEL / ALUM
45	35X-039HD	3PT STANDARD HOOK LOCK	STEEL
46	350-137	ARMORED STRIKE	STEEL
47	35X-004	BALL CATCH SIDELITE	AL 6063-T5
48	330-033	BOTTOM WEATHERSTRIP A	NYLON BRUSH
49	35X-047	BOTTOM WEATHERSTRIP S	AL - RUBBER
50	330-027	DOOR FELT LEAD	POLY PILE
51	330-072	DOOR FELT LEAD	POLY PILE
52	330-071	DOOR FELT SIDE	POLY PILE
53	31X-009B	IMPACT GLASS BASE	AL 6063-T5
54	31X-004B	IMPACT GLASS 1/2" FACE	AL 6063-T5
55	31X-008B	IMPACT GLASS 1" FACE	AL 6063-T5
56	31X-011B	IMPACT GLASS 1/4" FACE	AL 6063-T5
57	330-096	GLASS SETTING BLOCK 1/4" x 1" x 2"	NEOPRENE
58	311-091	VERT. ALUM. STILES REINFORCEMENT BARS	AL 6063-T5
59	330-098	BREAKOUT BLOCKS	DELRON
60	450-030HD	FLOOR LOCK STRIKES SIDE KIT	STEEL
61	420-004HD	FLS GUIDE TRACK BLOCK	ALUM
62	450-031HD	FLOOR LOCK STRIKES SCTIVE KIT	STEEL
63	150-085HD	HDR BTM ANGLE SUPPORT CENTER	STEEL / ALUM
64	150-040HD	HDR FRT ACCES BTM ANGLE SUP	STEEL
65	150-083HD	TROLLY INTERLOCKS KIT	STEEL
66		KIT - REINF. BLOCKS FBO	ALUM
67	11X-016	LG HEADER BACK CLOSURE FILLER	ALUM



Pedro De Figueiredo
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MODEL SLM-H
AUTOMATIC SLIDING GLASS DOOR
FULLY & PARTIALLY BREAKOUT

4550 SCHAEFER AVE.
CHINO, CA 91710
PH: (800) 211-5838
HALL@GILDOR.COM

GILDOR
AUTOMATIC DOORS

SCALE:
1:3/8
DATE:
09/25/2023
DRAWING #
23-180
SHEET
16 of 16

ENGINEERING SERVICES - CA 32459
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