

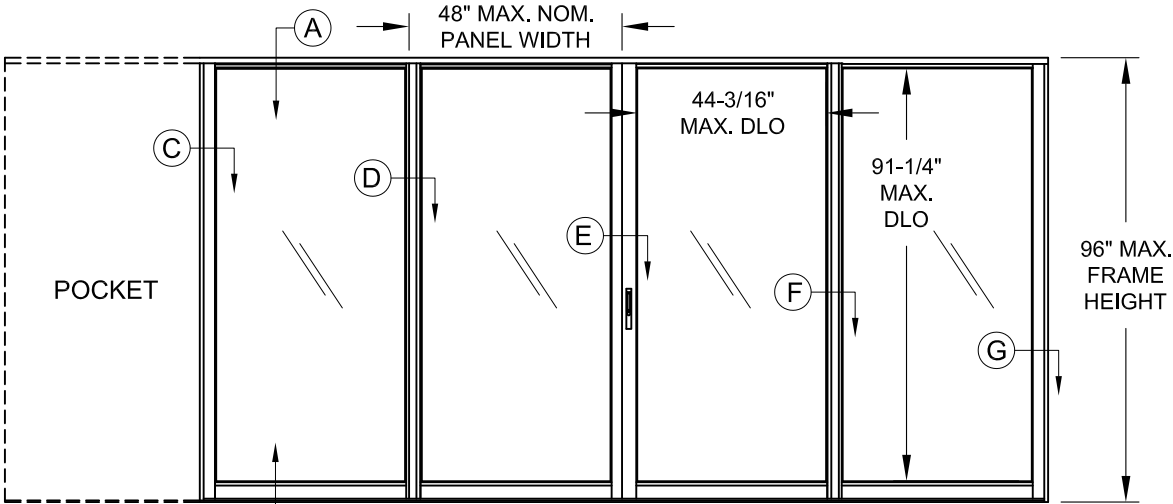
SERIES SGD4025 NON-IMPACT RESISTANT
SLIDING GLASS DOOR, W/WO POCKETS

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) ANCHORAGE: THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.
- 4) OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 5) SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE, AS APPLICABLE.

ANCHOR NOTES:

- 1) SEE TABLE A ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE ANCHORAGE REQUIREMENTS.
- 2) IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MAX. 1/4" THICK & 3400 PSI MIN., (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 3) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED BY OTHERS TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- 4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH.
- 5) SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE DOOR.

FLORIDA PRODUCT APPROVAL #29078



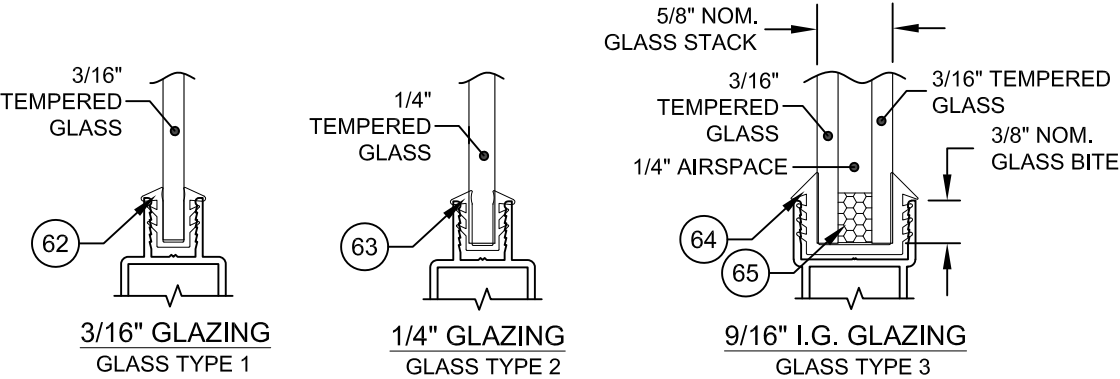
PXXXO EXAMPLE ELEVATION

OTHER CONFIGURATIONS APPLICABLE, SEE SHEET 3

TABLE A:

Anchor Group	Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. O.C. Distance	Min. Embedment or Metal Thickness
A	1/4" 410 SS Elco CreteFlex	Head / Sill	Southern Pine (SG = 0.55)	1"	1.687"	1-3/8"
		P-hook		1"	1"	1-3/8"
		Jamb		1"	1.594"	1-3/8"
	#12 Steel SMS (Gr. 5)	Head / Sill	Southern Pine (SG = 0.55) 6063-T5 Aluminum	1"	1.687"	1-3/8" / 1/8"
		P-hook		1"	1"	1-3/8" / 1/8"
		Jamb		1"	1.594"	1-3/8" / 1/8"
B	1/4" DeWalt UltraCon+	Head / Sill / Jamb	Concrete (min. 3.0 ksi)	1-1/2"	1-1/2"	1-3/4"
		P-hook	Concrete (min. 3.0 ksi)	1-1/4"	4"	1-3/8"
		P-hook	Hollow Block (ASTM C90)	1-1/2"	4"	1-1/4"
		Jamb	Hollow Block (ASTM C90)	1-1/2"	1-1/2"	1-1/4"
C	1/4" 410 SS Elco CreteFlex	Head / Sill	Concrete (min. 3.35 ksi)	2-1/2"	1.687"	1-3/4"
		P-hook	Concrete (min. 3.35 ksi)	1-1/4"	3"	1-3/4"
		Jamb	Hollow Block (ASTM C90)	2-1/2"	1.594"	1-1/4"

- 1) WHERE SUBSTRATE CONDITIONS REQUIRE ANCHORAGE FROM MORE THAN ONE OF THE ANCHOR GROUPS ABOVE, CHOOSE THE ANCHOR GROUP OF THE LOWEST LETTER FOR ALL TABLES IN THIS APPROVAL.
- 2) ALL ANCHOR HEAD TYPES ARE APPLICABLE.
- 3) HOLLOW BLOCK VALUES MAY ALSO BE USED IN FILLED BLOCK APPLICATIONS.
- 4) ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MINIMUM OF 3 THREADS EXTEND BEYOND METAL SUBSTRATE.



DESIGN PRESSURE RATING	IMPACT RATING
SEE TABLES 1, 2, 3 & C ON SHEET 2	NOT RATED FOR MISSILE IMPACT RESISTANCE

GENERAL NOTES.....	1
GLAZING DETAILS.....	1
DESIGN PRESSURES.....	2
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HORIZ. SECTIONS.....	4
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Impact Resistant
Windows & Doors

CGI WINDOWS AND DOORS
3780 W. 104TH STREET
HIALEAH, FL 33018

ALUMINUM SLIDING GLASS DOOR (NI)
GENERAL NOTES, ANCHOR
TYPES

04/12/19
JENS ROSOWSKI
1 OF 11
SGD4025A

ANTHONY LYNN MILLER
LICENSE
No. 58705
07/24/24
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
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TABLE 1:

No Reinforcement, 2-1/2" Extended Sill, Single Interlock Stile to Single Interlock Stile			Maximum Design Pressure, psf for Glazing Types 1, 2 & 3							
Nom. Panel Width	DLO Width	Glass Type	Frame Height							
			80"		84"		90"		96"	
24"	20-3/16"	1	+65.0	-98.8	+65.0	-70.0	+64.6	-64.6	+60.0	-60.0
		2,3	+65.0	-107.1	+65.0	-80.0	+65.0	-73.8	+65.0	-68.6
30"	26-3/16"	1	+65.0	-82.7	+58.4	-58.4	+53.8	-53.8	+49.8	-49.8
		2,3	+65.0	-89.6	+65.0	-66.8	+61.4	-61.4	+56.9	-56.9
36"	32-3/16"	1	+65.0	-72.3	+50.9	-50.9	+46.7	-46.7	+43.1	-43.1
		2,3	+65.0	-78.3	+58.2	-58.2	+53.3	-53.3	+49.2	-49.2
42"	38-3/16"	1	+65.0	-65.1	+45.7	-45.7	+41.7	-41.7	+38.4	-38.4
		2,3	+65.0	-70.5	+52.2	-52.2	+47.7	-47.7	+43.9	-43.9
48"	44-3/16"	1	+60.0	-60.0	+42.0	-42.0	+38.2	-38.2	+35.0	-35.0
		2,3	+65.0	-65.0	+48.0	-48.0	+43.6	-43.6	+40.0	-40.0

TABLE 2:

Full Reinforcement, 2-1/2" Extended Sill, Single Interlock Stile to Single Interlock Stile			Maximum Design Pressure, psf for Glazing Types 1, 2 & 3							
Nom. Frame Width	DLO Width	Glass Type	Frame Height							
			80"		84"		90"		96"	
24"	20-3/16"	1, 2, 3	+65.0	-105.9	+65.0	-100.0	+65.0	-92.3	+65.0	-85.7
30"	26-3/16"	1, 2, 3	+65.0	-88.6	+65.0	-83.5	+65.0	-76.8	+65.0	-71.1
36"	32-3/16"	1, 2, 3	+65.0	-77.4	+65.0	-72.7	+65.0	-66.7	+61.5	-61.5
42"	38-3/16"	1, 2, 3	+65.0	-65.3	+65.0	-65.3	+59.6	-59.6	+54.9	-54.9
48"	44-3/16"	1, 2, 3	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0

TABLE 3:

Full Reinforcement, 2-1/2" Extended Sill, Single Interlock Stile to Double Interlock Stile @ Ext.			Maximum Design Pressure, psf for Glazing Types 2 & 3							
Nom. Frame Width	DLO Width	Glass Type	Frame Height							
			80"		84"		90"		96"	
24"	20-3/16"	2	+65.0	-127.1	+65.0	-120.0	+65.0	-110.8	+65.0	-102.9
		3	+65.0	-130.0	+65.0	-130.0	+65.0	-120.0	+65.0	-111.4
30"	26-3/16"	2	+65.0	-106.3	+65.0	-100.2	+65.0	-92.2	+65.0	-85.3
		3	+65.0	-115.2	+65.0	-108.5	+65.0	-99.8	+65.0	-92.4
36"	32-3/16"	2	+65.0	-92.9	+65.0	-87.3	+65.0	-80.0	+65.0	-73.8
		3	+65.0	-100.6	+65.0	-94.5	+65.0	-86.7	+65.0	-80.0
42"	38-3/16"	2	+65.0	-78.4	+65.0	-78.4	+65.0	-71.6	+65.0	-65.8
		3	+65.0	-84.9	+65.0	-84.9	+65.0	-77.5	+65.0	-71.3
48"	44-3/16"	2	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
		3	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0

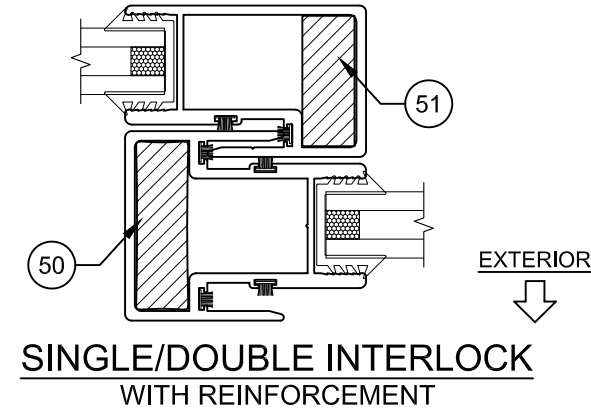
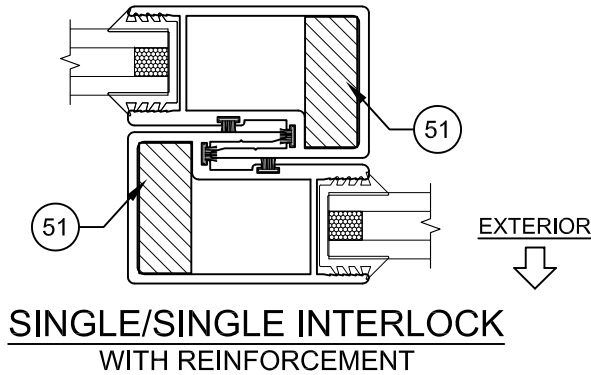
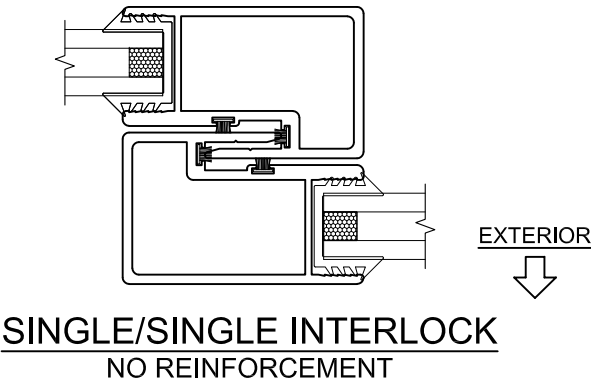


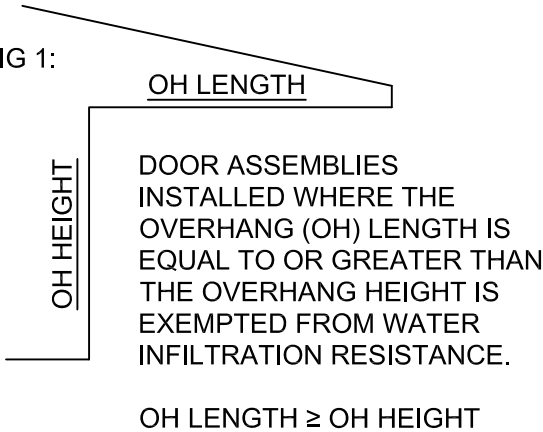
TABLE B:

Glass Types	
1	3/16" Tempered
2	1/4" Tempered
3	3/16" Tempered, 1/4" Airspace, 1/8" Tempered

TABLE C:

Water-Limited (+) Design Pressure	
Total Sill Height	Max. (+) DP Allowed
Interior Sill	See Note 2
1-3/4"	+35.3 psf
2-1/2"	+65.0 psf

FIG 1:



NOTES:

- 1) POSITIVE DESIGN PRESSURES SHOWN IN TABLES ARE BASED ON THE 2-1/2" HIGH SILL. POSITIVE DESIGN PRESSURE IS LIMITED TO 35.3 PSF WITH THE 1-3/4" SILL. NEGATIVE PRESSURES ARE UNCHANGED, SEE TABLE C.
- 2) INTERIOR SILL IS USED WHERE WATER RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, IN WHICH CASE POSITIVE DESIGN PRESSURE EQUALS THE NEGATIVE DESIGN PRESSURE SHOWN IN TABLES 1 THROUGH 3 FOR THE RESPECTIVE SIZE.
- 3) OPERABLE UNITS MUST MEET MINIMUM EGRESS REQUIREMENTS PER THE FBC.
- 4) DETAILS SHOWN WITH I.G. GLAZING, MONOLITHIC SIMILAR.

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04/12/19
Date

By
JENS ROSOWSKI

Drawn

ALUMINUM SLIDING GLASS DOOR (NI)

DESIGN PRESSURE TABLES

SGD4025A

2 OF 11

Sheet

SGD4025A

2 OF 11

DWG

SGD4025A

Impact Resistant
Windows & Doors

CGI WINDOWS AND DOORS
3780 W. 104TH STREET
HIALEAH, FL 33018

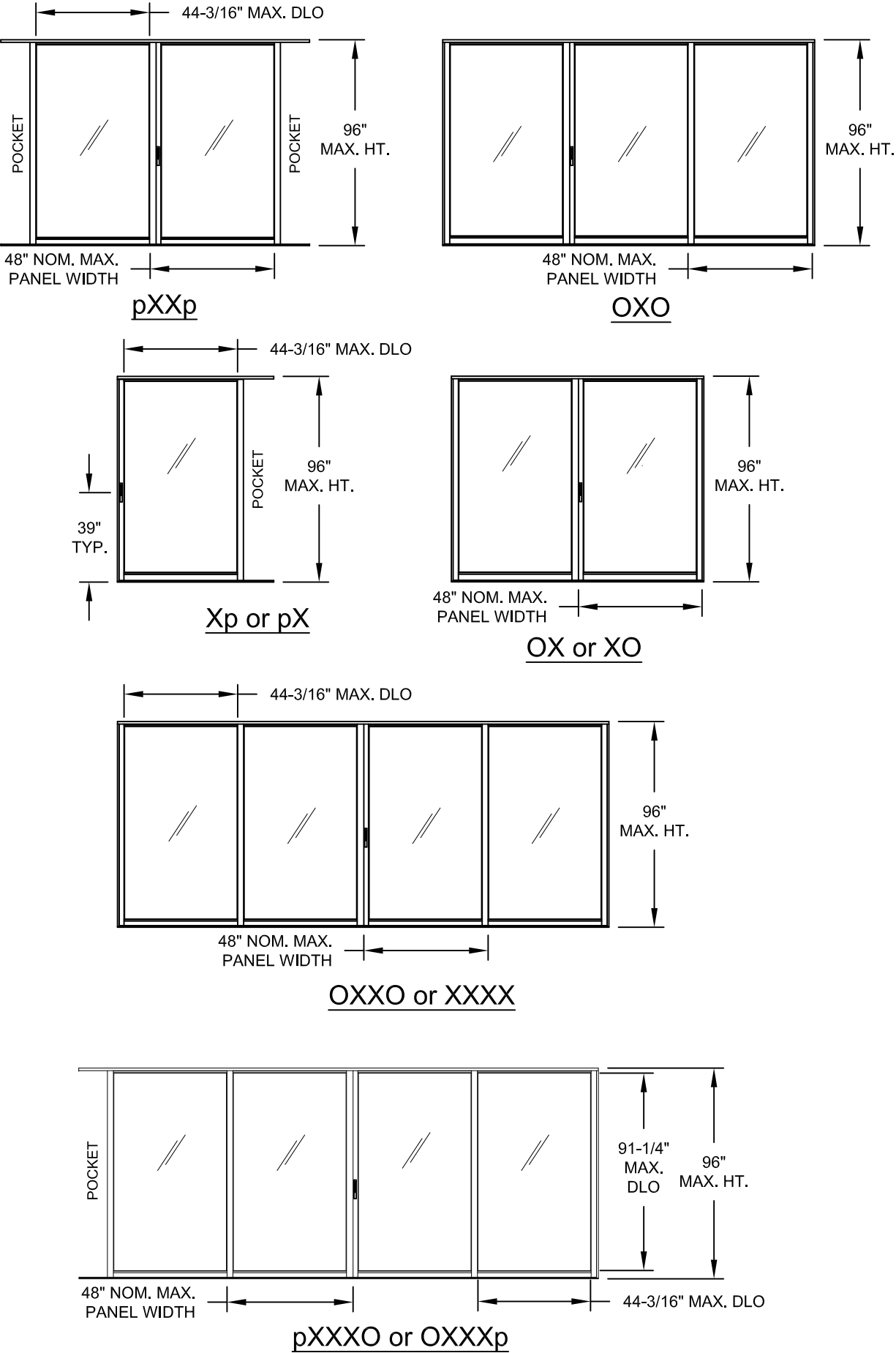
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No. 58705
07/24/24
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

CODE	PANEL TYPES		
A	R.H. INTERLOCK		LOCKSTILE
B	R.H. INTERLOCK		R.H. INTERLOCK
C	R.H. INTERLOCK		REVERSE ASTRAGAL
D	LOCKSTILE		R.H. INTERLOCK
E	L.H. INTERLOCK		R.H. INTERLOCK
F	L.H. INTERLOCK		L.H. INTERLOCK
G	LOCKSTILE		DOUBLE INTERLOCK
H	R.H. INTERLOCK		L.H. INTERLOCK
I	DOUBLE INTERLOCK		DOUBLE INTERLOCK
J	LOCKSTILE		STANDARD ASTRAGAL
K	L.H. INTERLOCK		LOCKSTILE
L	L.H. INTERLOCK		STANDARD ASTRAGAL
M	LOCKSTILE		L.H. INTERLOCK
N	STANDARD ASTRAGAL		L.H. INTERLOCK
P	R.H. INTERLOCK		FIXED LOCKSTILE

CODE	PANEL TYPES		
R	FIXED LOCKSTILE		L.H. INTERLOCK
S	FIXED LOCKSTILE		STANDARD ASTRAGAL
T	REVERSE ASTRAGAL		FIXED LOCKSTILE
U	REVERSE ASTRAGAL		LOCKSTILE
V	FIXED LOCKSTILE		FIXED LOCKSTILE
W	DOUBLE INTERLOCK		STANDARD ASTRAGAL
Y	FIXED LOCKSTILE		DOUBLE INTERLOCK
Z	LOCKSTILE		LOCKSTILE
YR	DOUBLE INTERLOCK		FIXED LOCKSTILE
GR	DOUBLE INTERLOCK		LOCKSTILE
LR	REVERSE ASTRAGAL		R.H. INTERLOCK
WR	STANDARD ASTRAGAL		DOUBLE INTERLOCK
DS	DOUBLE INTERLOCK		R.H. INTERLOCK
SD	L.H. INTERLOCK		DOUBLE INTERLOCK

CONFIGURATION NOTES:

- 1) EXAMPLE CONFIGURATIONS SHOWN. OTHER CONFIGURATIONS, INCLUDING BY-PASS, POCKET AND ANY STILE COMBINATIONS SHOWN ARE ALLOWED, LIMITED TO 8 PANELS AND 7 TRACK FRAMES.
- 2) FRAMES OVER 3 TRACKS ARE MADE UP OF THE APPROVED FRAME COMPONENTS SHOWN ON SHEET 9.
- 3) TRACKS IN EXCESS OF THOSE REQUIRED FOR STRUCTURAL PANELS MAY BE USED FOR SCREENS.



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04/12/19

By

Drawn

Impact Resistant
Windows & Doors

ALUMINUM SLIDING GLASS DOOR (NI)

JENS ROSOWSKI

PANEL TYPE & CONFIGURATIONS

SGD4025A

3 OF 11

SGD4025A

Rev. #

07/24/24

Date

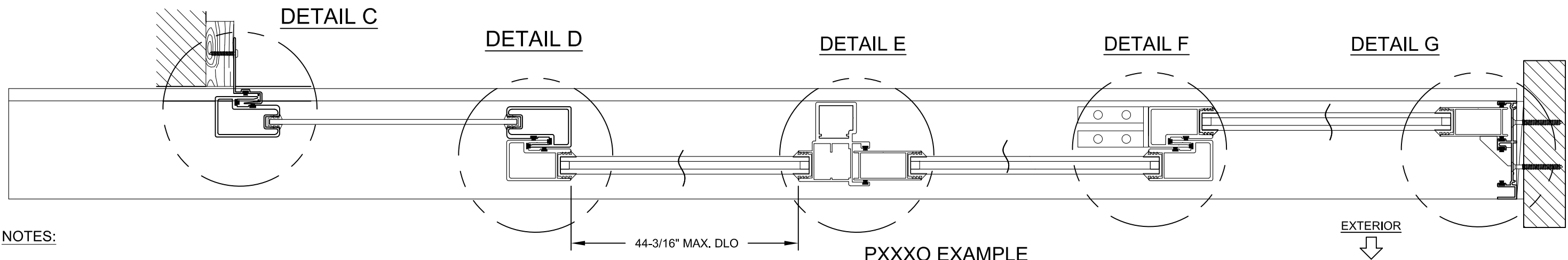
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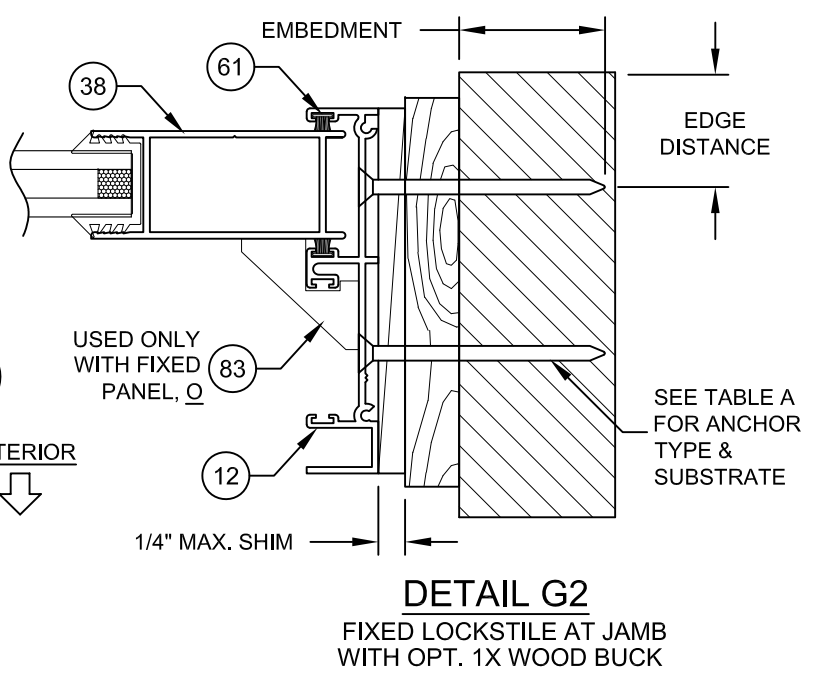
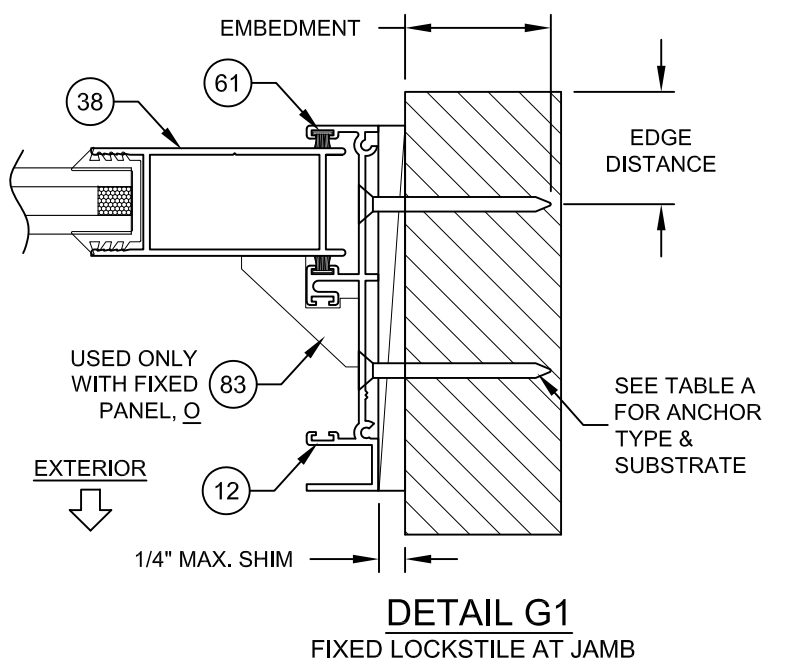
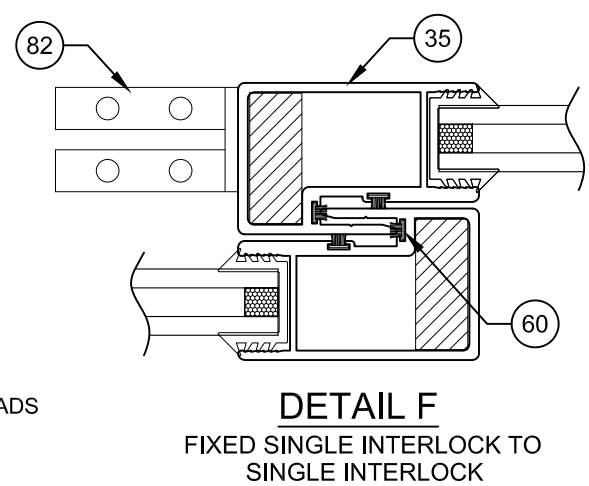
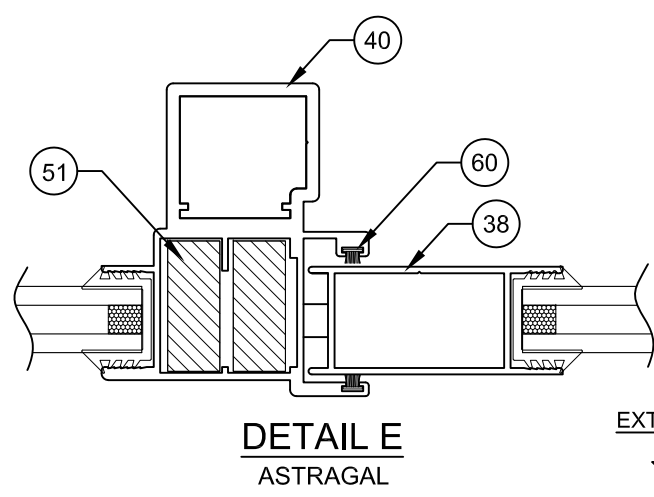
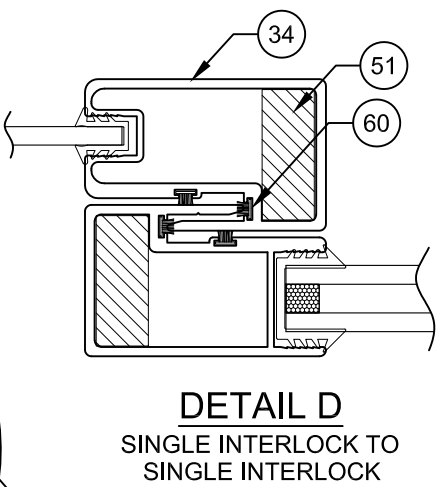
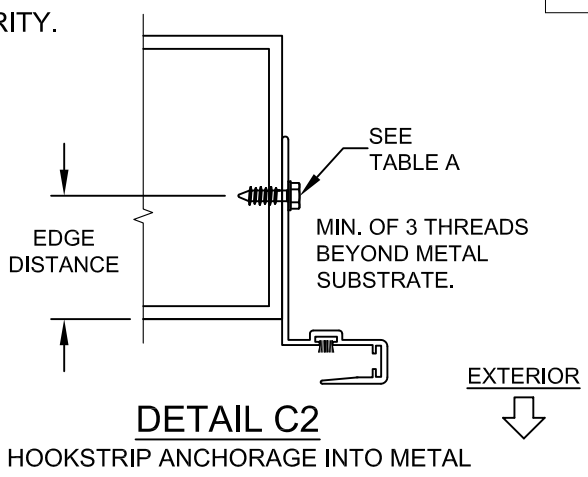
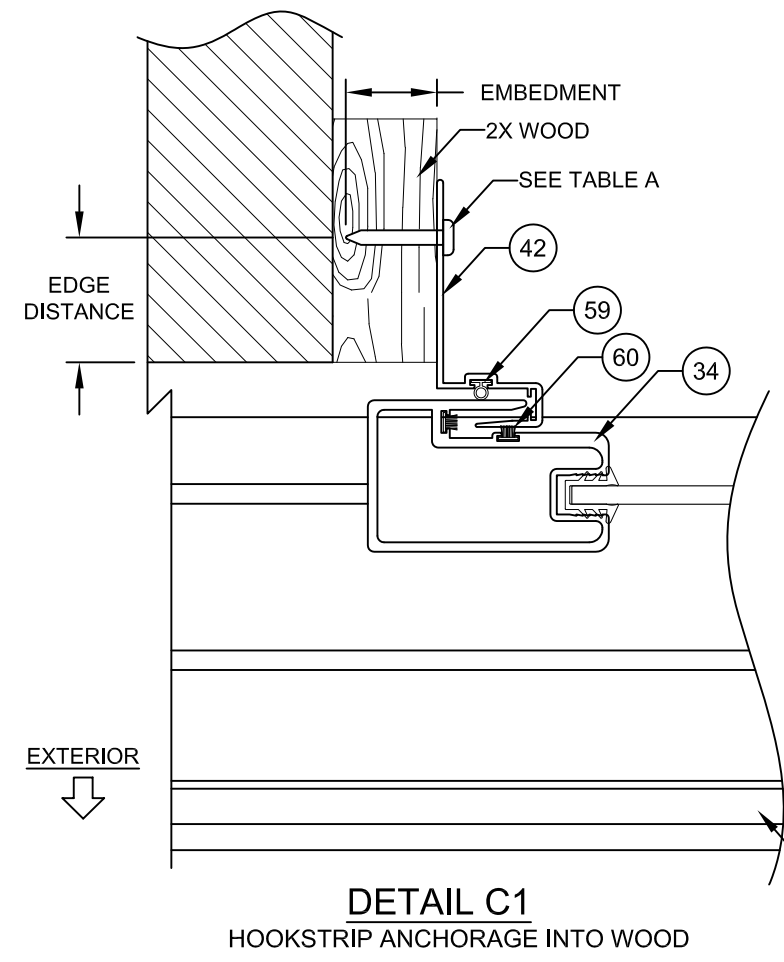
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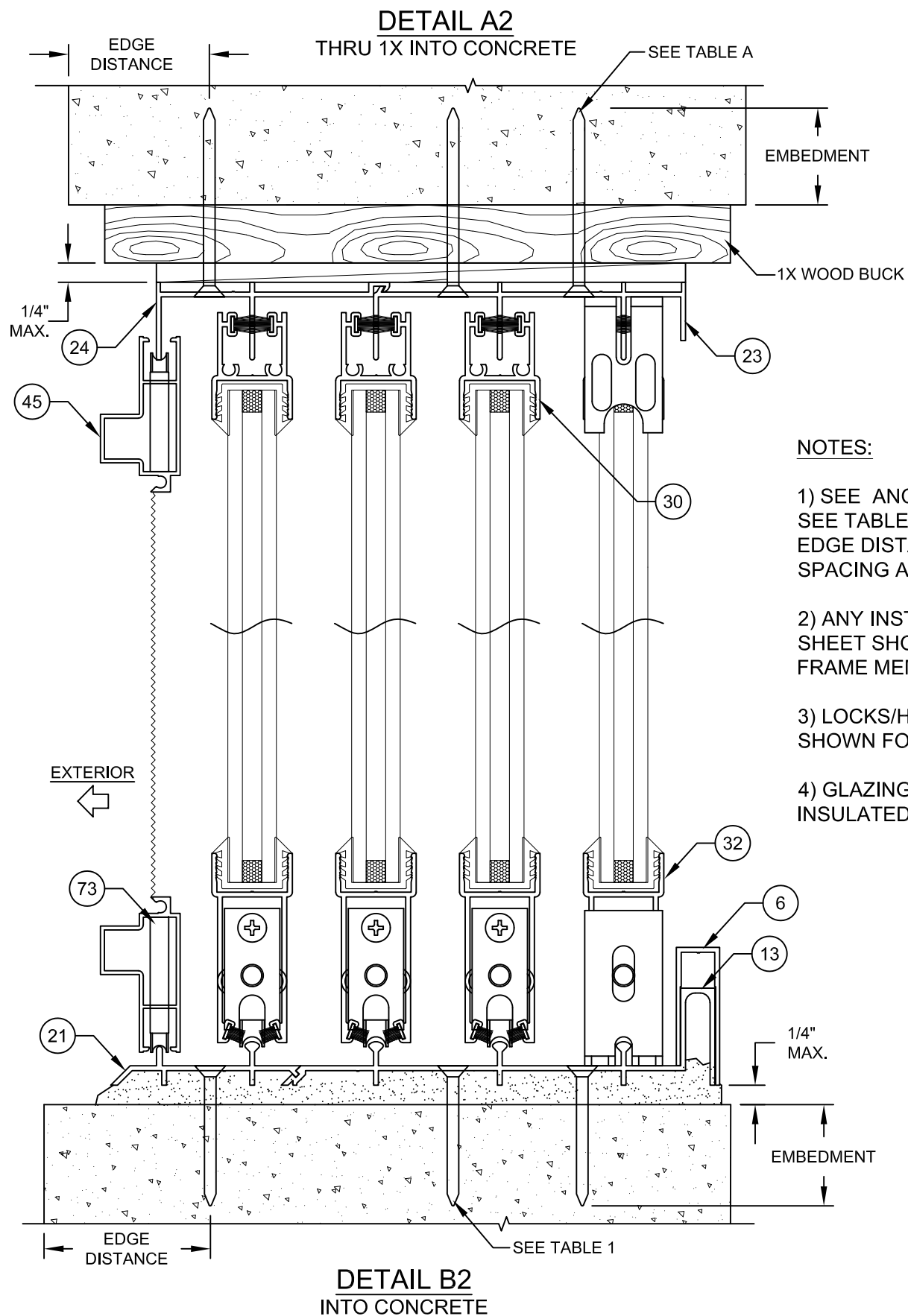
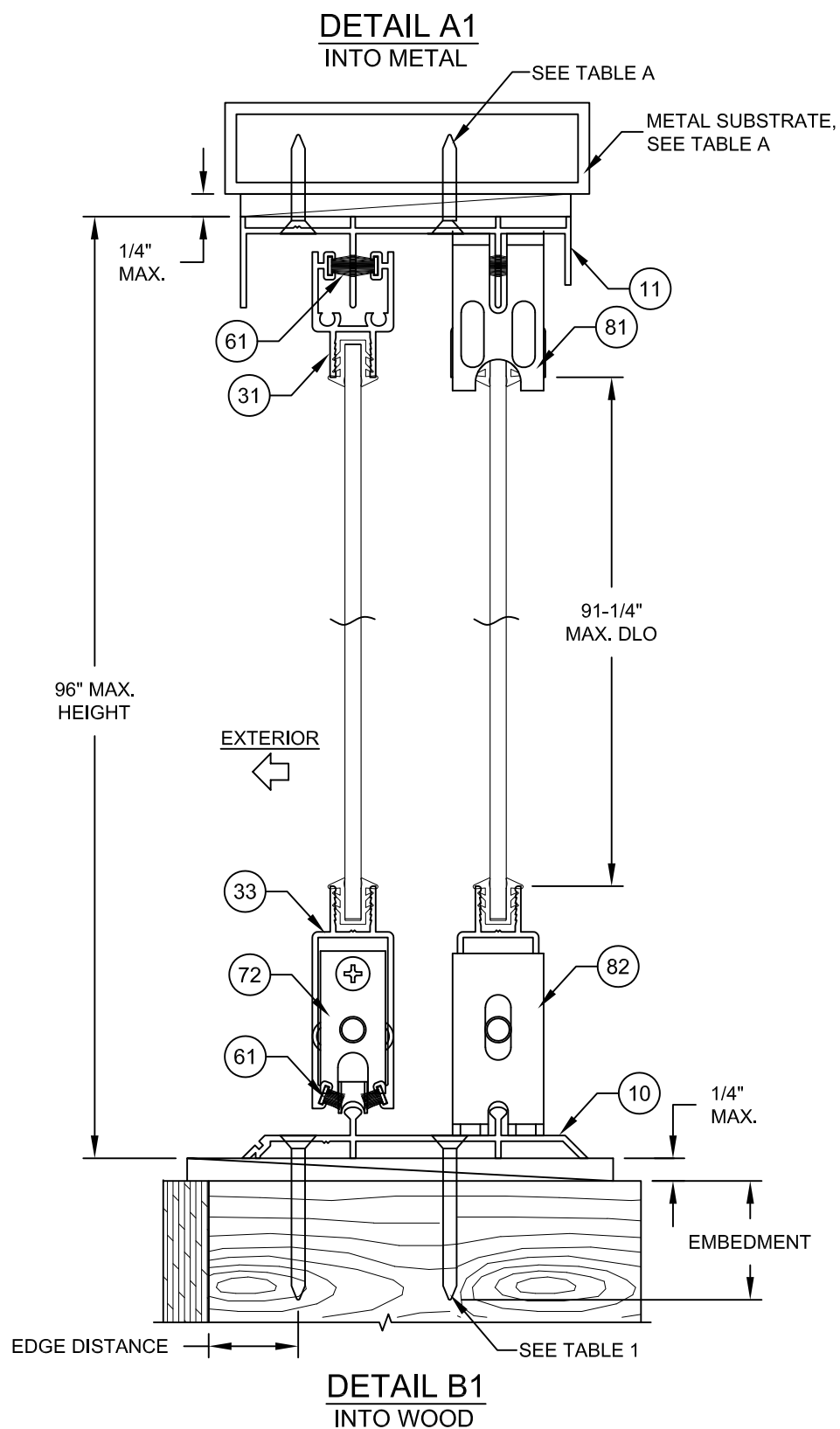
NOTES:

- 1) SEE ANCHOR NOTES ON SHEET 1. SEE TABLE A FOR ANCHOR TYPES, MIN. EDGE DISTANCES, EMBEDMENT, O.C. SPACING AND METAL THICKNESS.
- 2) ANY INSTALLATION METHOD ON THIS SHEET SHOWN MAY BE USED ON ANY FRAME MEMBER.
- 3) REINFORCEMENT SHOWN MAY BE OPTIONAL PER TABLES 1-3.
- 4) LOCKS/HANDLES/KEEPERS NOT SHOWN FOR CLARITY.
- 5) GLAZING MAY BE MONOLITHIC OR INSULATED.



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Impact Resistant Windows & Doors 	CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		By: JENS ROSOWSKI
	ALUMINUM SLIDING GLASS DOOR (NI)		Drawn: JENS ROSOWSKI
	HORIZONTAL CROSS SECTIONS		No. DWG: 4 OF 11
SGD4025A		Sheet: 4 OF 11	Series: SGD4025A

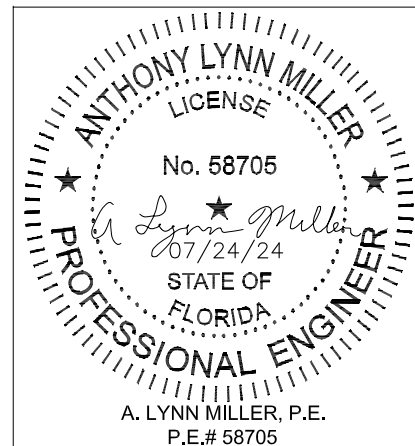
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NOTES:

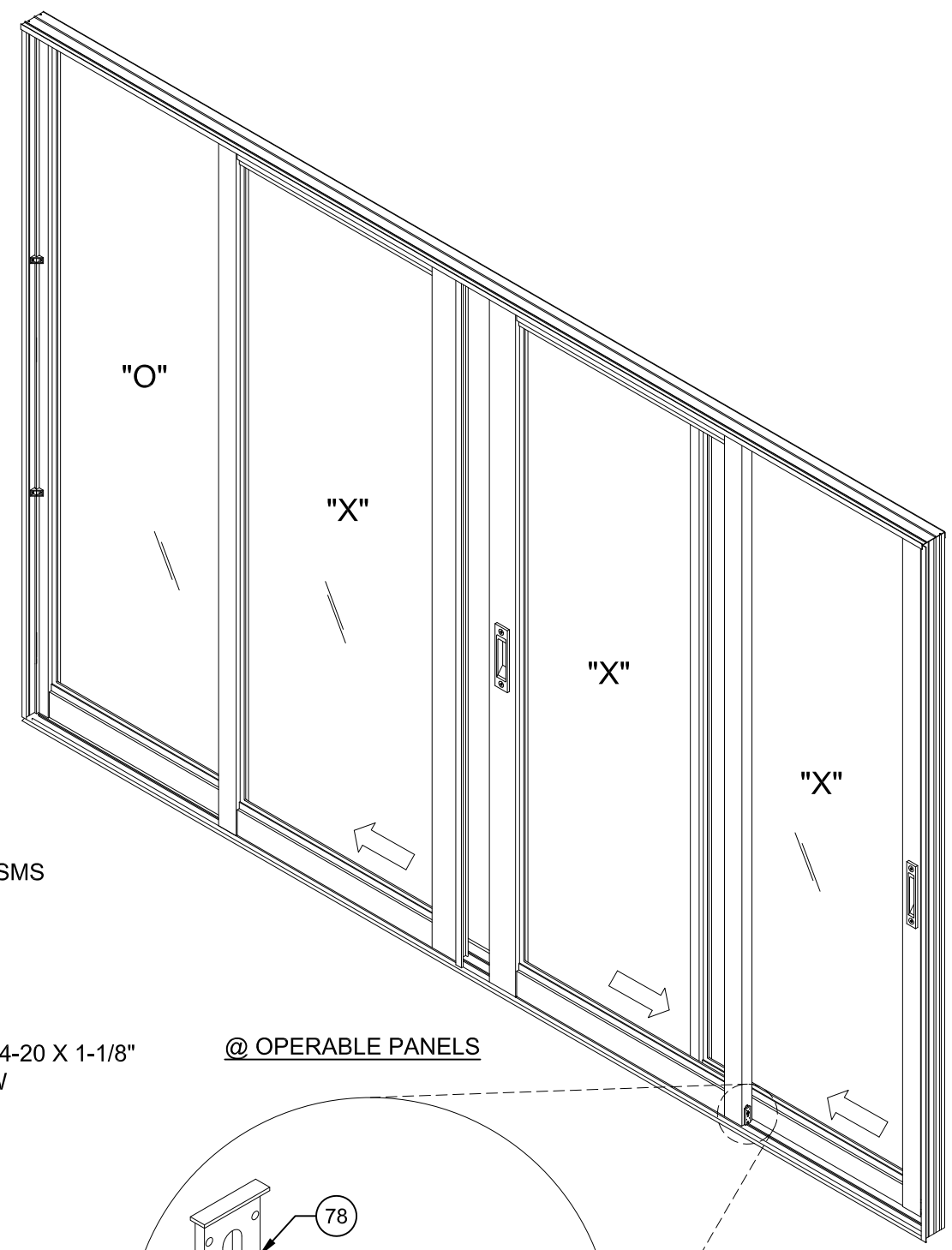
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- 4) GLAZING MAY BE MONOLITHIC OR INSULATED.

		Impact Resistant Windows & Doors		CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
Title		ALUMINUM SLIDING GLASS DOOR (NI)				Date	04/12/19
Desc.		VERTICAL CROSS SECTIONS				Drawn By	JENS ROSOWSKI
Series		SGD4025A		5 OF 11		No. DWG	
						SGD4025A	



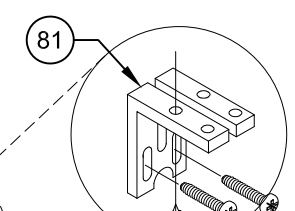
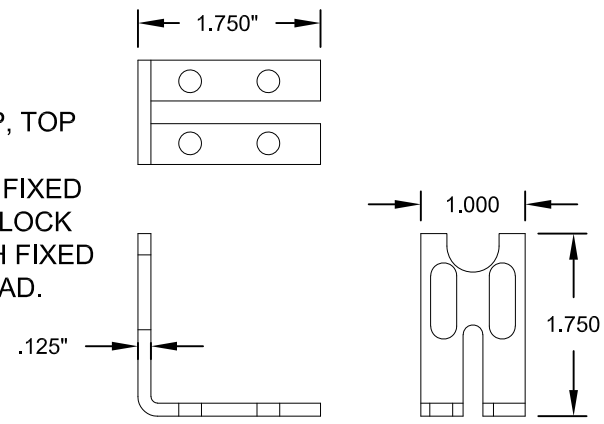
Impact Resistant Windows & Doors CGI	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	ALUMINUM SLIDING GLASS DOOR (NI)	
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INSTALLATION HARDWARE		SGD4025A		6 OF 11

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81) FIXED PANEL CLIP, TOP

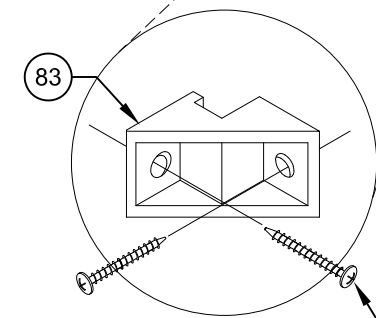
INSTALLED ON EACH FIXED PANEL AT THE INTERLOCK POSITION TO ATTACH FIXED PANEL TO FRAME HEAD.



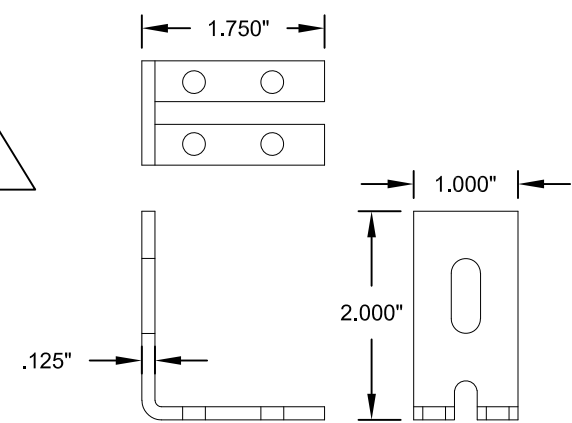
52) RE-INSTALL #10 X 3/4" PANEL SCREWS (2)
INSTALL WITH (4) #10 X 1" SMS
OR WITH (4) 3/16" X 1" CONCRETE ANCHORS

83) FIXED PANEL BRACKET, JAMB

INSTALLED ON EACH FIXED PANEL TO ATTACH FIXED PANEL TO FRAME JAMB; INSTALL WITH #10 X 1" SMS (2).

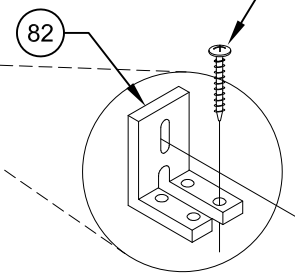


INSTALL WITH (2) #10 X 1" SMS
OR WITH (2) 3/16" X 1" CONCRETE ANCHORS



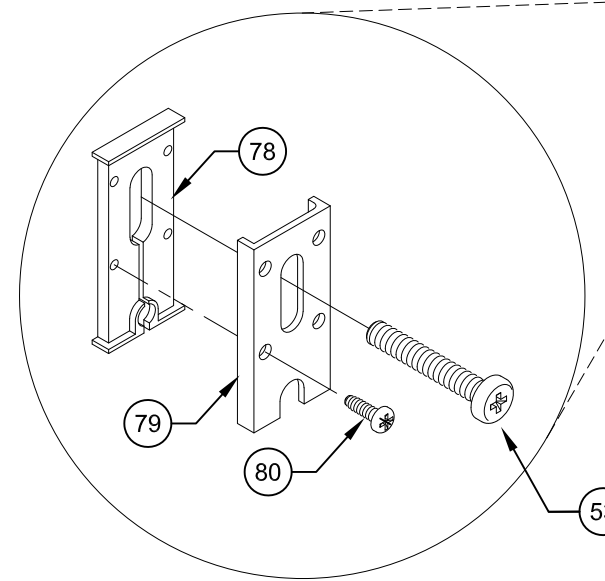
82) FIXED PANEL CLIP, BOTTOM

INSTALLED ON EACH FIXED PANEL AT THE INTERLOCK POSITION TO ATTACH FIXED PANEL TO FRAME SILL.



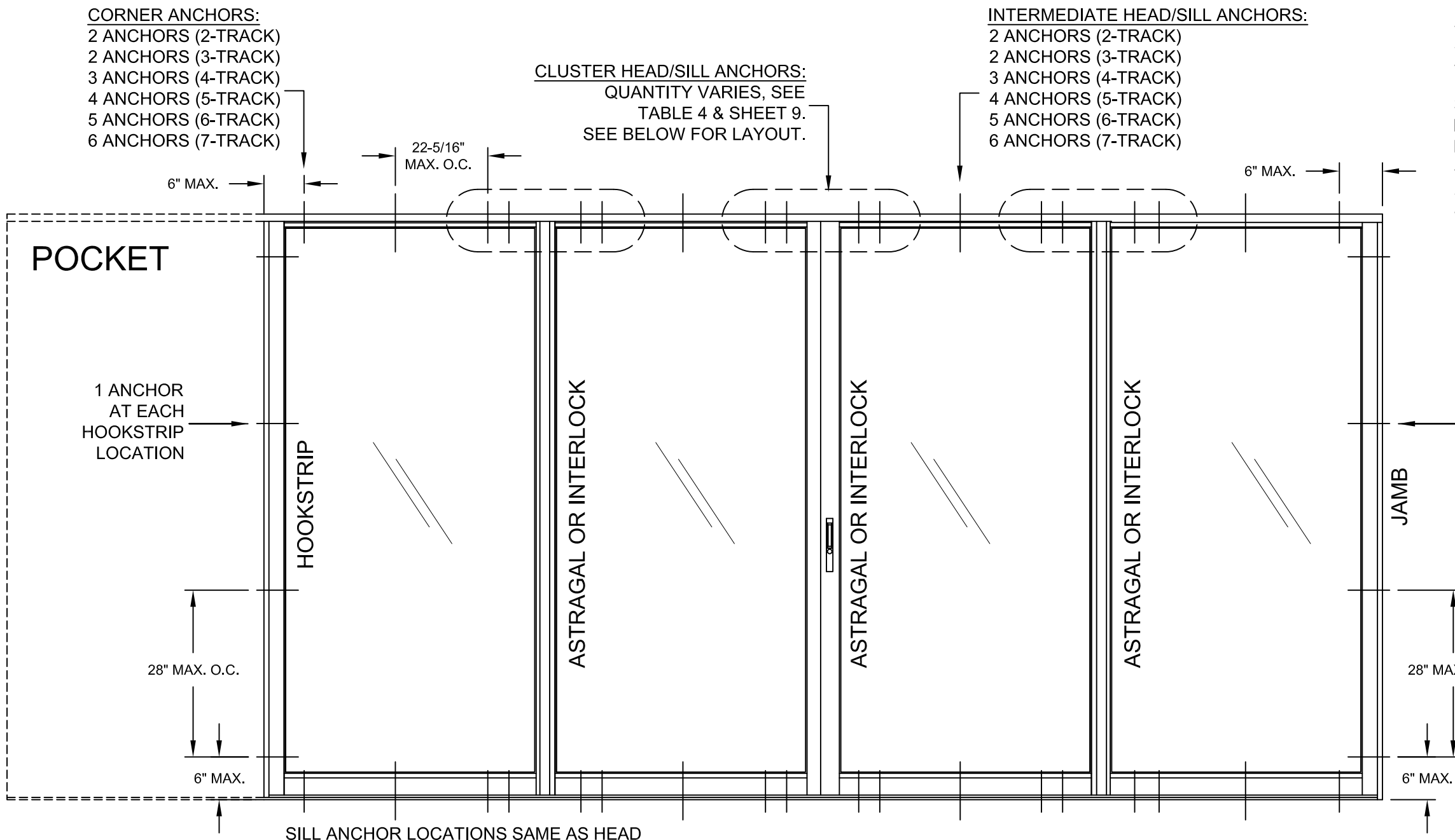
INSTALL WITH (4) #10 X 1" SMS
OR WITH (4) 3/16" X 1" CONCRETE ANCHORS

@ OPERABLE PANELS



TRACK CLIP ASSEMBLY
INSTALLED ON EACH ACTIVE
PANEL AT THE INTERLOCK
POSITION TO SECURE THE
ACTIVE PANEL TO ITS
RESPECTIVE SILL TRACK.

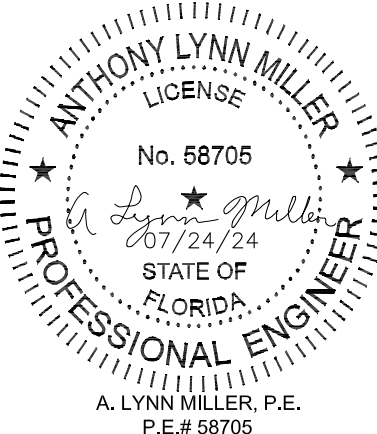
53) RE-INSTALL 1/4-20 X 1-1/8" PANEL SCREW



PXXXO ANCHORAGE LAYOUT EXAMPLE
CONFIGURATION MAY VARY

- NOTES:
- 1) SEE ANCHOR NOTES ON SHEET 1. SEE TABLE A FOR ANCHOR TYPES, MIN. EDGE DISTANCES, EMBEDMENT, O.C. SPACING AND METAL THICKNESS.
 - 2) IF USING ADD-ON TRACKS, THE GREATER ANCHOR QUANTITY OF EITHER TABLE 4 OR SHEET 9 IS TO BE USED.
 - 3) HEAD AND SILL CLUSTER ANCHORS ARE REQUIRED AT ASTRAGAL AND INTERLOCK LOCATIONS OF THEIR RESPECTIVE TRACK SECTIONS. SEE SHEETS 8 & 9 FOR POTENTIAL ANCHOR LOCATIONS WITHIN HEAD, SILL AND JAMB TRACK SECTIONS.

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	ALUMINUM SLIDING GLASS DOOR (NI)	Date	By	No.
	ANCHOR LOCATIONS	04/12/19	JENS ROSOWSKI	DWG
SGD4025A	7 OF 11	SGD4025A		



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LICENSE
No. 58705
07/24/24
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

Rev.	07/24/24	D
Date		
Rev.	MINOR TYPES - JR	

TABLE 4:

Minimum Anchor Quantities Required (also see Sheets 7 & 9)																													
Glass Type:			1, 2 or 3									1, 2 or 3									2 or 3								
Interlock Type:			Single-to-Single without Reinf.									Single-to-Single with Reinf.									Single-to-Double with Reinf.								
See Design Pressure Table:			Table 1									Table 2									Table 3								
Nom. Panel Width	DLO Width	Frame Height	Anchor Location and Group:									Anchor Location and Group:									Anchor Location and Group:								
			Head & Sill Cluster			Jamb			P-Hook			Head & Sill Cluster			Jamb			P-Hook			Head & Sill Cluster			Jamb			P-Hook		
			A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
24"	20-3/16"	80"	C6	C6	C6	8	8	8	5	5	4	C6	C6	C6	8	8	8	4	5	4	C8	C8	C6	8	8	8	5	5	5
		84"	C6	C6	C4	8	8	8	4	4	4	C6	C6	C6	8	8	8	4	5	4	C8	C8	C6	8	8	10	5	5	5
		90"	C6	C6	C4	8	8	8	4	4	4	C6	C6	C6	8	8	8	4	5	4	C8	C8	C6	8	8	10	5	5	5
		96"	C6	C6	C4	8	8	8	4	4	4	C6	C6	C6	8	8	8	4	5	4	C8	C8	C6	8	8	10	5	5	5
30"	26-3/16"	80"	C6	C6	C6	8	8	8	5	5	4	C6	C6	C6	8	8	8	5	5	4	C8	C8	C6	8	10	10	6	6	5
		84"	C6	C6	C4	8	8	8	4	4	4	C6	C6	C6	8	8	8	5	5	4	C8	C8	C6	8	10	10	6	6	5
		90"	C6	C6	C4	8	8	8	4	4	4	C6	C6	C6	8	8	8	5	5	4	C8	C8	C6	8	10	10	6	6	5
		96"	C6	C6	C4	8	8	8	4	4	4	C6	C6	C6	8	8	8	5	5	4	C8	C8	C6	8	10	10	6	6	5
36"	32-3/16"	80"	C6	C6	C6	8	8	8	5	5	5	C6	C6	C6	8	8	8	5	5	5	C8	C8	C6	10	10	10	6	6	5
		84"	C6	C6	C4	8	8	8	4	4	4	C6	C6	C6	8	8	8	5	5	5	C8	C8	C6	10	10	10	6	6	5
		90"	C6	C6	C4	8	8	8	4	4	4	C6	C6	C6	8	8	8	5	5	5	C8	C8	C6	10	10	10	6	6	5
		96"	C6	C6	C4	8	8	8	4	4	4	C6	C6	C6	8	8	8	5	5	4	C8	C8	C6	10	10	10	6	6	5
42"	38-3/16"	80"	C6	C6	C4	8	8	8	5	5	5	C6	C6	C4	8	8	8	5	5	4	C6	C6	C6	10	10	10	6	6	5
		84"	C4	C4	C4	8	8	8	4	4	4	C6	C6	C4	8	8	8	5	5	5	C6	C6	C6	10	10	10	6	6	6
		90"	C4	C4	C4	8	8	8	4	4	4	C6	C6	C4	8	8	8	5	5	5	C6	C6	C6	10	10	10	6	6	6
		96"	C4	C4	C4	8	8	8	4	4	4	C6	C6	C4	8	8	8	5	5	5	C6	C6	C6	10	10	10	6	6	6
48"	44-3/16"	80"	C6	C6	C4	8	8	8	5	5	5	C4	C4	C4	8	8	8	4	4	4	C6	C6	C4	8	8	8	5	5	5
		84"	C4	C4	C4	8	8	8	4	4	4	C4	C4	C4	8	8	8	4	5	4	C6	C6	C4	8	8	10	5	5	5
		90"	C4	C4	C4	8	8	8	4	4	4	C6	C6	C4	8	8	8	5	5	5	C6	C6	C4	10	10	10	6	6	5
		96"	C4	C4	C4	8	8	8	4	4	4	C6	C6	C4	8	8	8	5	5	5	C6	C6	C6	10	10	10	6	6	6

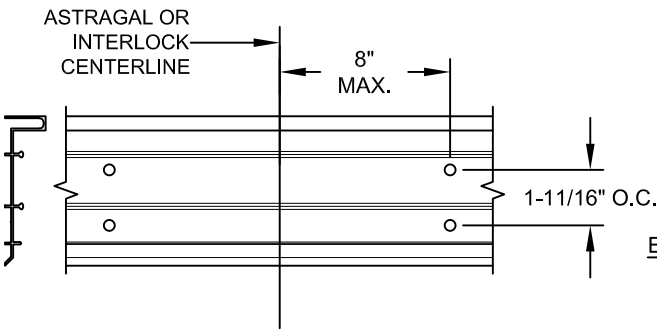
TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED, THE LESSER VALUES OF EITHER TABLE 4 OR TABLE C DETERMINES THE WATER LIMITED (+) DP; SEE NOTES SHEET 2.

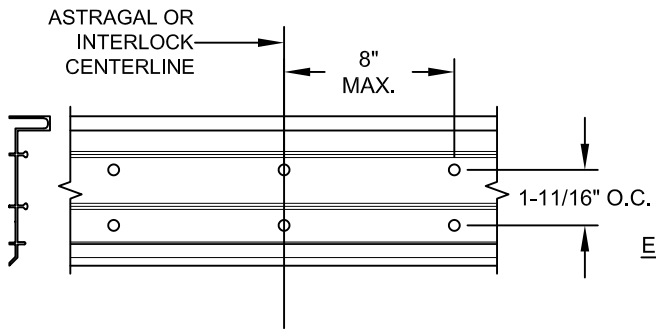
2) TABLE APPLIES TO ALL FRAME & TRACK CONFIGURATIONS.

3) REFER TO ANCHOR NOTES, SHEET 1.

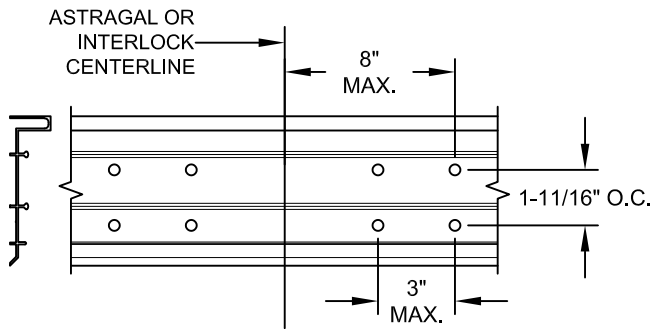
4) SEE SHEETS 6, 7 & 9 FOR ANCHOR LOCATIONS & SPACING.



4 ANCHOR CLUSTER, "C4"



6 ANCHOR CLUSTER, "C6"



8 ANCHOR CLUSTER, "C8"

HEAD/SILL ANCHOR CLUSTER LAYOUTS:
SHOWN ON 2 TRACK FRAME, REPEAT PATTERN FOR
ADDITIONAL TRACKS PER SHEET 9.

PREPARED BY A. LYNN MILLER
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CGI
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ALUMINUM SLIDING GLASS DOOR (NI)

ANCHORAGE TABLE

SGD4025A

04/12/19

JENS ROSOWSKI

8 OF 11

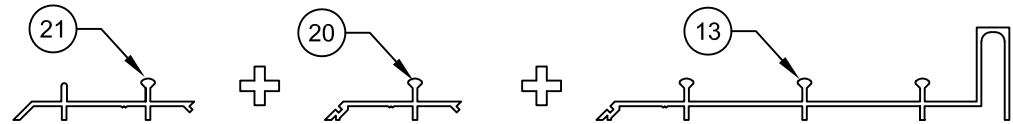
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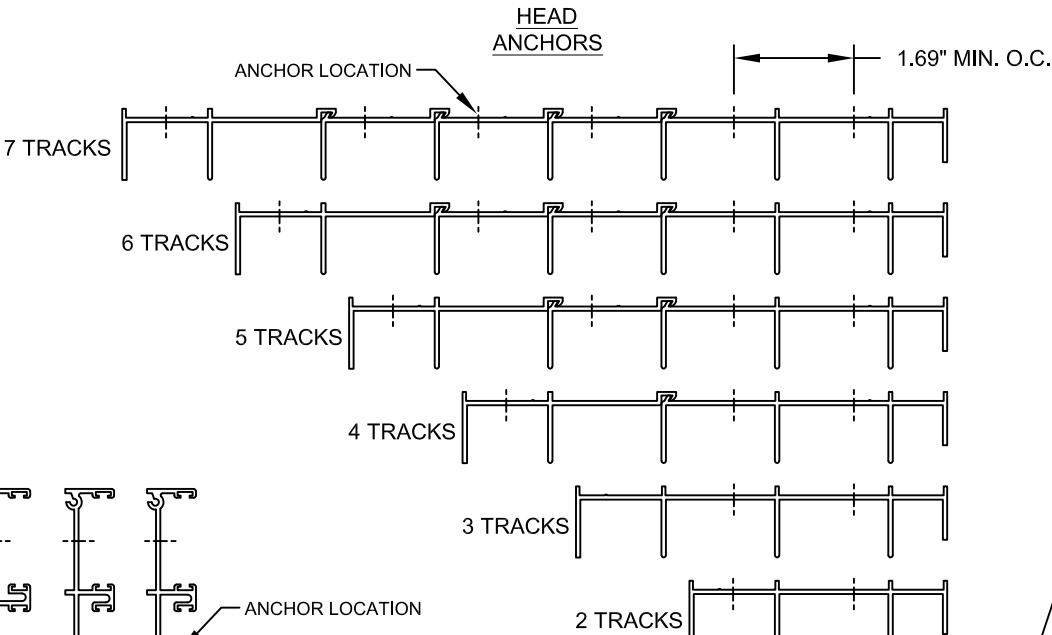
DWG

Series

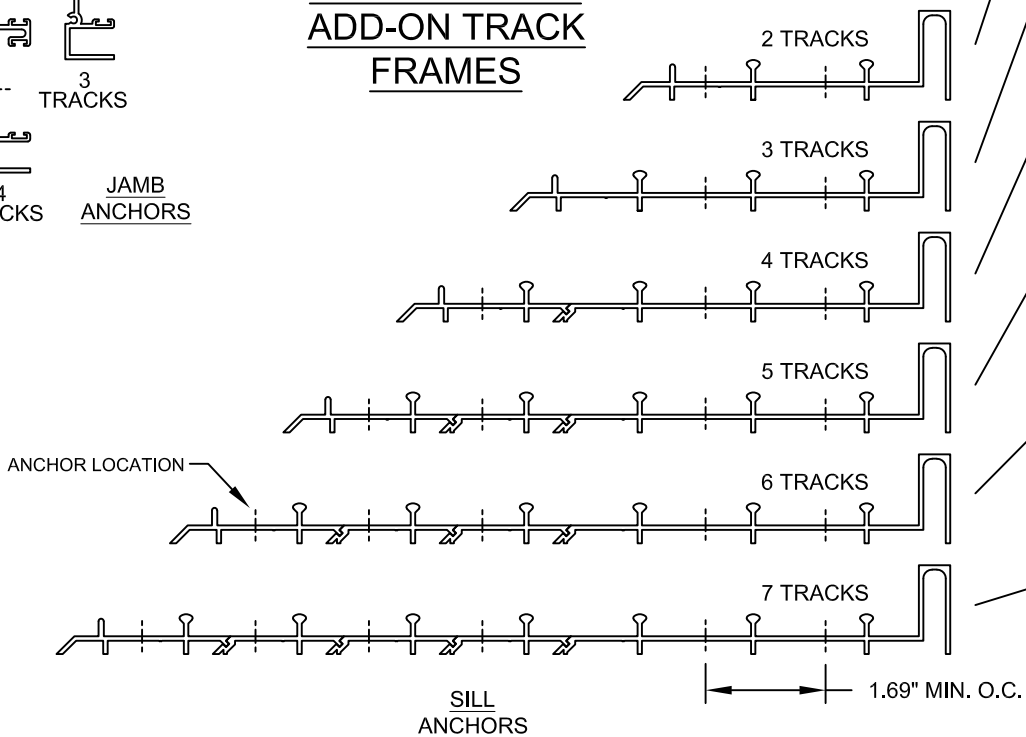
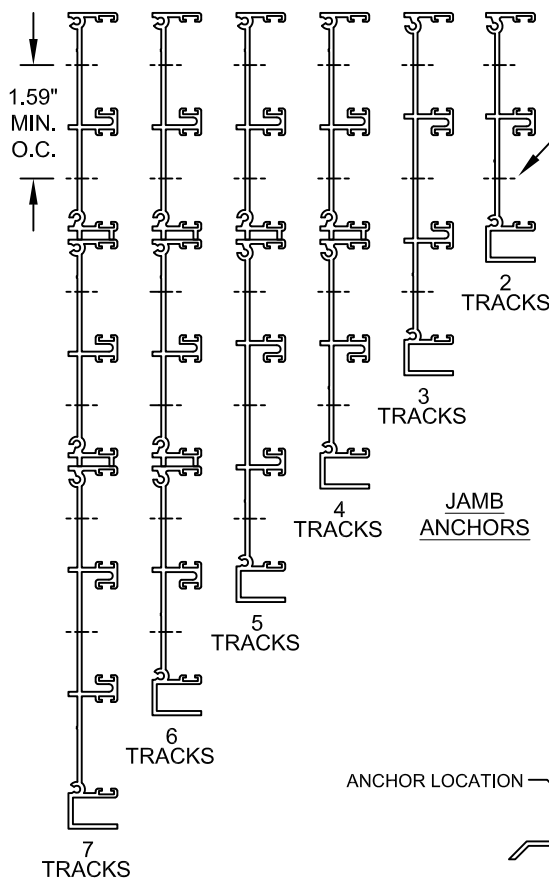
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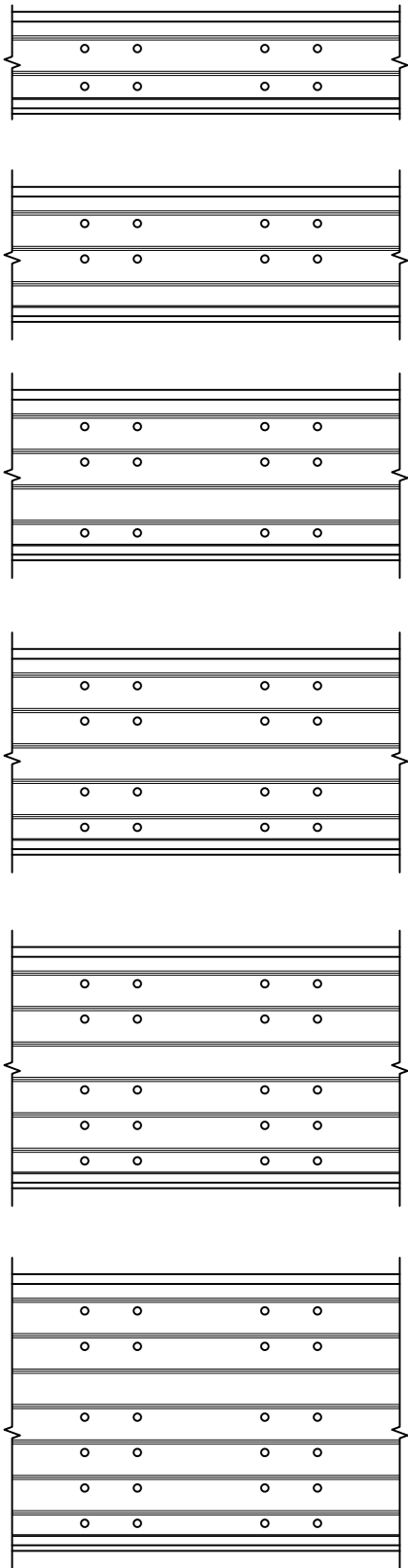
EXAMPLE ADD-ON TRACK
SILL SHOWN, JAMB & HEAD SIMILAR



INSTALLATION
ANCHOR LOCATIONS
FOR OPTIONAL
ADD-ON TRACK
FRAMES



EXAMPLE TOP VIEW ANCHOR LAYOUT
SILL SHOWN WITH 8 ANCHORS (C8),
JAMB & HEAD SIMILAR



NOTES ON ADD-ON TRACK ANCHOR LOCATIONS:

- 1) ANCHOR CLUSTER AND QUANTITY INFORMATION FROM TABLE 4, APPLIES AS THE MINIMUM REQUIREMENT FOR ALL TRACK CONFIGURATIONS SHOWN.
- 2) THE ASTRAGAL AND INTERLOCK CLUSTERS MUST BE LOCATED IN THE TRACK ON WHICH THE ASTRAGAL AND/OR THE INTERLOCKS ARE POSITIONED WHEN THE UNIT IS IN THE CLOSED AND LOCKED POSITION.
- 3) EMBEDMENT AND EDGE DISTANCES SHOWN ON SHEETS 4-5 FOR 2 TRACK FRAMES ARE ALSO APPLICABLE TO ADD-ON TRACK FRAMES.
- 4) FOR SINGLE TRACK FRAME ANCHORS, USE THE QUANTITY SHOWN IN TABLE 4.

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ALUMINUM SLIDING GLASS DOOR (NI)

ADD-ON TRACK ANCHORAGE

SGD4025A

By

JENS ROSOWSKI

No.

9 OF 11

Sheet

SGD4025A

Series

SGD4025A

Date

04/12/19

Title

ADD-ON TRACK ANCHORAGE

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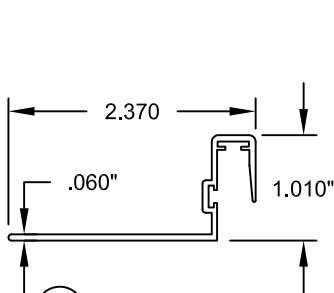
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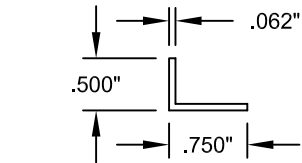
TABLE D:

ITEM	PART #	DESCRIPTION	MAN. #	MATERIAL
1	627	1 TRACK SILL, MID-RISE W/SCREEN	68178M	AL 6063-T5
2	671	1 TRACK SILL, LOW-RISE	60803M	AL 6063-T5
3	636	1 TRACK SILL, INTERIOR	68274M	AL 6063-T5
4	629	1 TRACK HEAD	68176	AL 6063-T5
5	628	1 TRACK JAMB	6628	AL 6063-T5
6	732	1-3/4" SILL RISER	68313M	AL 6063-T5
7	722A	2-1/2" SILL RISER	69371	AL 6063-T5
8	703B	2 TRACK SILL, HI-RISE W/SCREEN	6703B	AL 6063-T5
9	638	2 TRACK SILL, LOW-RISE	68952M	AL 6063-T5
10	637	2 TRACK SILL, INTERIOR	68275	AL 6063-T5
11	702	2 TRACK HEAD	68179	AL 6063-T5
12	704	2 TRACK JAMB	68180	AL 6063-T5
13	615	3 TRACK SILL, MID-RISE	68189M	AL 6063-T5
14	633	3 TRACK SILL, MID-RISE W/SCREEN	68184M	AL 6063-T5
15	631	3 TRACK HEAD	68182	AL 6063-T5
16	632	3 TRACK JAMB	68183	AL 6063-T5
20	635	ADD-ON TRACK @ SILL	68191M	AL 6063-T5
21	616	ADD-ON TRACK @ SILL W/SCREEN	68190M	AL 6063-T5
22	634	ADD-ON TRACK @ HEAD, SINGLE	68186	AL 6063-T5
23	613	ADD-ON TRACK @ HEAD, DOUBLE	68187	AL 6063-T5
24	614	ADD-ON TRACK @ HEAD, W/SCREEN	68185	AL 6063-T5
25	617	ADD-ON TRACK @ JAMB	68188	AL 6063-T5
30	618	TOP RAIL, I.G. GLASS	69088	AL 6063-T5
31	706	TOP RAIL, MONOLITHIC	68172	AL 6063-T5
32	619	BOTTOM RAIL, I.G. GLASS	69089	AL 6063-T5
33	707C	BOTTOM RAIL, MONOLITHIC	68173	AL 6063-T5
34	735	SINGLE INTERLOCK, I.G. GLASS	60393	AL 6063-T6
35	705	SINGLE INTERLOCK, MONO. GLASS	69409	AL 6063-T6
36	745	DOUBLE INTERLOCK, I.G. GLASS	60551	AL 6063-T6
37	734	DOUBLE INTERLOCK, MONO. GLASS	69494	AL 6063-T6
38	736	LOCKSTILE, I.G. GLASS	60392	AL 6063-T6
39	708	LOCKSTILE, MONO. GLASS	69362	AL 6063-T6
40	737	ASTRAGAL, I.G. GLASS	60394	AL 6063-T6
41	720	ASTRAGAL, MONO. GLASS	69492	AL 6063-T6

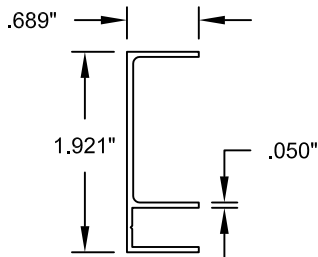
ITEM	PART #	DESCRIPTION	MAN. #	MATERIAL
42	740	HOOKSTRIP	63713	AL 6063-T5
43	666	ADD-ON SCREEN RAIL, POCKET DOOR	61394	AL 6063-T5
44	688	OXO SCREEN ADAPTER	-	AL 6063-T5
45	688	SCREEN FRAME	12033	AL 6063-T5
50	755	1/2" X 1-5/8" REINF. - ALUM	6755M	AL 6061-T6
51	1214	1/2" X 1-1/4" REINF. - ALUM.	61214M	AL 6105-T5
52	1119	#10 X 3/4" PH. PN. SMS; @ PANEL TOP	7S134X	STAINLESS STEEL
53	-	1/4-20 X 1-1/8" PH. PN. MS; @ PANEL BOTTOM	71420X118	STAINLESS STEEL
59	1224	0.187" X 0.290" BULB VINYL @ HOOKSTRIP	-	VARIES
60	1210	0.187" X 0.320" PILE @ INTERLOCK & ASTRAGAL	6FELTK	VARIES
61	1281	0.187" X 0.290" FIN SEAL @ JAMB, PANEL TOP & BOT.	61281W	VARIES
62	1007	GLAZING VINYL - 3/16"; 70 DUROMETER	6T304	EPDM
63	751	GLAZING VINYL - 1/4"; 70 DUROMETER	614GLK	EPDM
64	1006	GLAZING VINYL - I.G.; 70 DUROMETER	614GLK	EPDM
65	-	I.G. SPACER	VARIES	VARIES
66	-	LATCH & KEEPER ASSEMBLY (LOCK)	VARIES	VARIES
67	-	LATCH & KEEPER ASSEMBLY (DUMMY)	VARIES	VARIES
68	-	MORTICE LOCK ASSEMBLY (DEAD LATCH)	VARIES	VARIES
69	-	MORTICE HANDLE SET ASSEMBLY	VARIES	VARIES
70	725B	TOP PANEL GUIDE	41801	NYLON
71	726	BOTTOM PANEL GUIDE	41802	NYLON
72	-	PANEL ROLLER	VARIES	VARIES
73	-	SCREEN ROLLER	VARIES	VARIES
74	-	#8 X 5/16" PH. SMS (@ ROLLER)	78X56A	STAINLESS STEEL
75	729	JAMB BUMPER	72087K	RUBBER
76	-	#6 X 3/8" PH. PN. SMS (@ BUMPER)	76X38PPA	STAINLESS STEEL
77	663/664	BUMPER SHIM (0.030" OR 0.060")	41831	PLASTIC
78	754	TRACK CLIP GUIDE	41754B/W	POLYPROPYLENE
79	756	TRACK CLIP COVER	6756B/W	POLYPROPYLENE
80	-	#6 X 3/8" PP SMS	76X38PPAX	STAINLESS STEEL
81	717	FIXED PANEL CLIP, TOP	7LA13A	AL 6061-T6
82	717B	FIXED PANEL CLIP, BOTTOM	7717FPCA	AL 6061-T6
83	646	FIXED PANEL JAMB BRACKET	41814	PLASTIC
84	1136	#6 X 1/2" PP SMS (@ JAMB BRACKET)	76X12A	STAINLESS STEEL



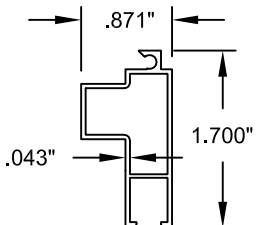
42 HOOKSTRIP



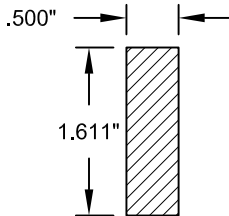
43 ADDON SCREEN RAIL
USED IN POCKET



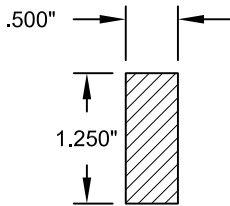
44 OXO SCREEN
ADAPTER



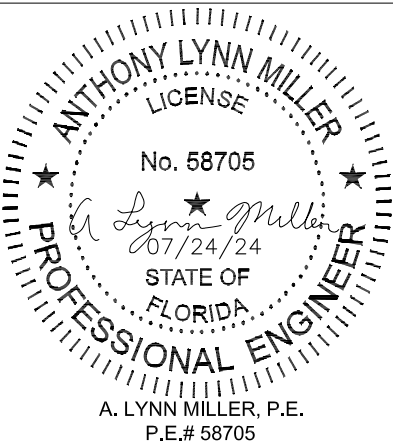
45 SCREEN FRAME



46 REINFORCEMENT



47 REINFORCEMENT



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ALUMINUM SLIDING GLASS DOOR (NI)

EXTRUSIONS & BOM

SGD4025A

11 OF 11

SGD4025A

JENS ROSOWSKI

By

No.

DWG

SGD4025A

04/12/19

Date

04/12/19