

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

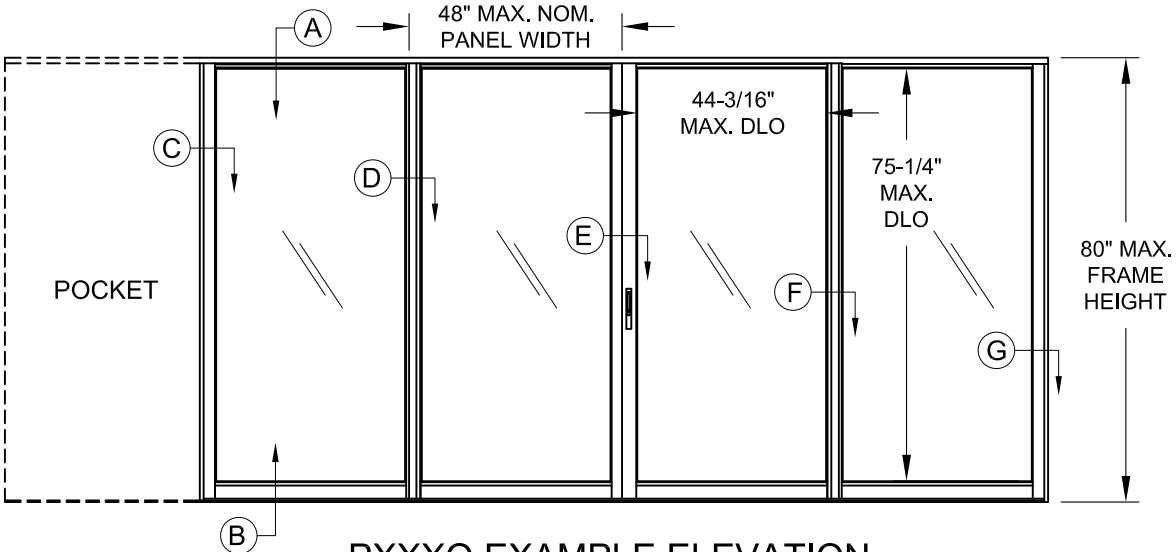
- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) ANCHORAGE: THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST 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 WINDOW.

FLORIDA PRODUCT APPROVAL #23359

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



GENERAL NOTES.....	1
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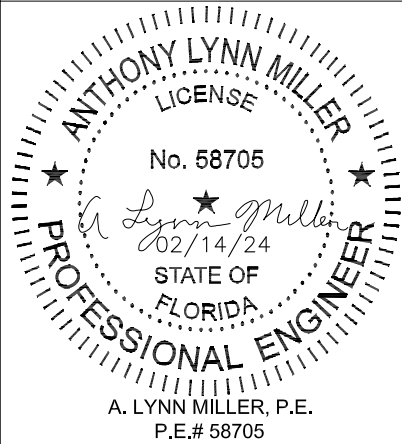
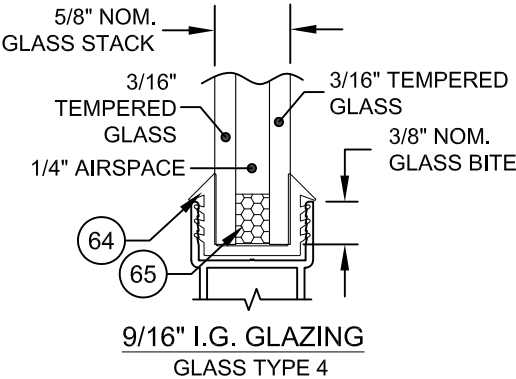
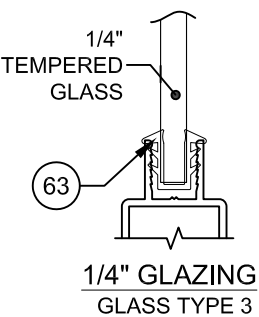
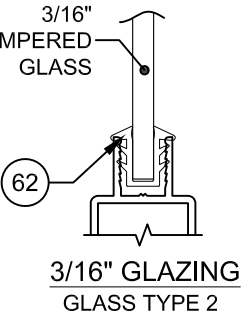
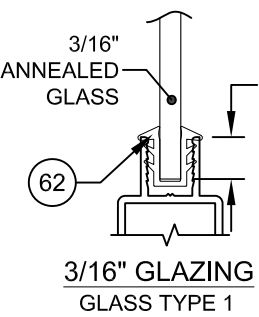
PXXXO EXAMPLE ELEVATION

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.



Rev. #	Date	Rev.
C	02/14/24	REV. LAYOUT/TITLE BLOCK

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 COPYRIGHT © 2024 CGI INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	Date	04/12/19
		By	JENS ROSOWSKI
		DWG No.	SGD4025A-W
Impact Resistant Windows & Doors CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018	ALUMINUM SLIDING GLASS WINDOW (NI) GENERAL NOTES, ANCHOR TYPES	Sheet	1 OF 11
		Series	SGD4025A-W
		Desc.	

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 & 4									
Nom. Panel Width	DLO Width	Glass Type	Frame Height														
			36"		42"		48"		54"		60"		72"		80"		
24"	20-3/16"	1	+65.0	-123.0	+65.0	-94.7	+65.0	-86.2	+65.0	-80.9	+65.0	-76.2	N/A				
		2,3	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-112.0	+65.0	-98.8	
		4	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-121.3	+65.0	-107.1	
30"	26-3/16"	1	+65.0	-93.5	+65.0	-84.1	+65.0	-73.6	+62.5	-62.5	+55.6	-55.6	N/A				
		2,3	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-119.5	+65.0	-94.3	+65.0	-82.7	
		4	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-129.4	+65.0	-102.2	+65.0	-89.6	
36"	32-3/16"	1	+65.0	-86.8	+65.0	-77.4	+65.0	-67.4	+58.7	-58.7	+51.1	-51.1	N/A				
		2,3	+65.0	-106.7	+65.0	-106.7	+65.0	-106.7	+65.0	-106.7	+65.0	-106.7	+65.0	-83.0	+65.0	-72.3	
		4	+65.0	-115.6	+65.0	-115.6	+65.0	-115.6	+65.0	-115.6	+65.0	-115.6	+65.0	-89.9	+65.0	-78.3	
42"	38-3/16"	1	+65.0	-77.0	+65.0	-70.3	+61.5	-61.5	+55.4	-55.4	+49.4	-49.4	N/A				
		2,3	+65.0	-80.0	+65.0	-78.4	+65.0	-78.4	+65.0	-78.4	+65.0	-78.4	+65.0	-75.3	+65.0	-65.1	
		4	+65.0	-86.7	+65.0	-84.9	+65.0	-84.9	+65.0	-84.9	+65.0	-84.9	+65.0	-81.6	+65.0	-70.5	
48"	44-3/16"	1	+65.0	-67.0	+61.7	-61.7	+56.7	-56.7	+50.8	-50.8	+46.7	-46.7	N/A				
		2,3	+64.0	-64.0	+61.0	-61.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	
		4	+65.0	-69.3	+65.0	-66.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	

TABLE 2:

Full Reinforcement, 2-1/2" Extended Sill, Single Interlock Stile to Single Interlock Stile								Maximum Design Pressure, psf for Glazing Types 2, 3 & 4								
Nom. Frame Width	DLO Width	Glass Type	Frame Height													
			36"		42"		48"		54"		60"		72"		80"	
24"	20-3/16"	2, 3	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-120.0	+65.0	-105.9
		4	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-120.0	+65.0	-105.9
30"	26-3/16"	2, 3	+65.0	-128.0	+65.0	-128.0	+65.0	-128.0	+65.0	-128.0	+65.0	-128.0	+65.0	-101.1	+65.0	-88.6
		4	+65.0	-128.0	+65.0	-128.0	+65.0	-128.0	+65.0	-128.0	+65.0	-128.0	+65.0	-101.1	+65.0	-88.6
36"	32-3/16"	2, 3	+65.0	-88.9	+65.0	-88.9	+65.0	-88.9	+65.0	-88.9	+65.0	-88.9	+65.0	-88.9	+65.0	-77.4
		4	+65.0	-88.9	+65.0	-88.9	+65.0	-88.9	+65.0	-88.9	+65.0	-88.9	+65.0	-88.9	+65.0	-77.4
42"	38-3/16"	2, 3	+65.0	-66.7	+65.0	-65.3	+65.0	-65.3	+65.0	-65.3	+65.0	-65.3	+65.0	-65.3	+65.0	-65.3
		4	+65.0	-66.7	+65.0	-65.3	+65.0	-65.3	+65.0	-65.3	+65.0	-65.3	+65.0	-65.3	+65.0	-65.3
48"	44-3/16"	2, 3	+53.3	-53.3	+50.8	-50.8	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
		4	+53.3	-53.3	+50.8	-50.8	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0

TABLE 3:

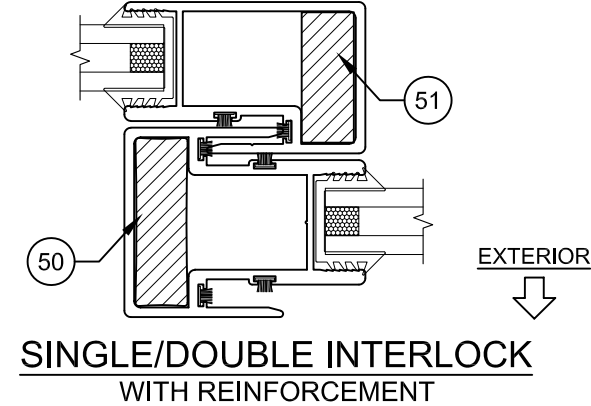
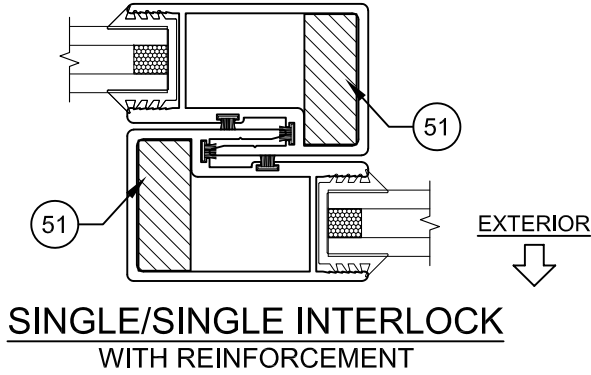
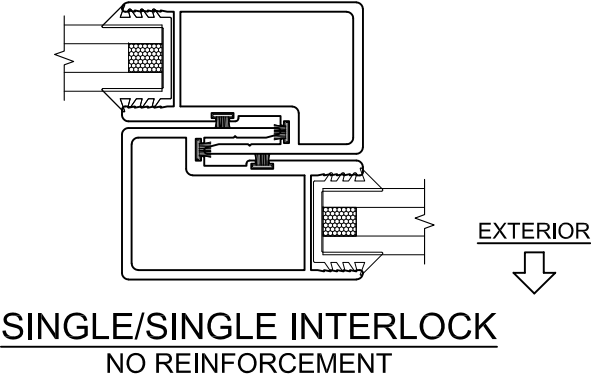
Full Reinforcement, 2-1/2" Extended Sill, Single Interlock Stile to Double Interlock Stile @ Ext.								Maximum Design Pressure, psf for Glazing Types 3 & 4								
Nom. Frame Width	DLO Width	Glass Type	Frame Height													
			36"		42"		48"		54"		60"		72"		80"	
24"	20-3/16"	3	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-127.1
		4	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0
30"	26-3/16"	3	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-121.3	+65.0	-106.3
		4	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-115.2
36"	32-3/16"	3	+65.0	-106.7	+65.0	-106.7	+65.0	-106.7	+65.0	-106.7	+65.0	-106.7	+65.0	-106.7	+65.0	-92.9
		4	+65.0	-115.6	+65.0	-115.6	+65.0	-115.6	+65.0	-115.6	+65.0	-115.6	+65.0	-115.6	+65.0	-100.6
42"	38-3/16"	3	+65.0	-80.0	+65.0	-78.4	+65.0	-78.4	+65.0	-78.4	+65.0	-78.4	+65.0	-78.4	+65.0	-78.4
		4	+65.0	-86.7	+65.0	-84.9	+65.0	-84.9	+65.0	-84.9	+65.0	-84.9	+65.0	-84.9	+65.0	-84.9
48"	44-3/16"	3	+64.0	-64.0	+61.0	-61.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
		4	+65.0	-69.3	+65.0	-66.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0	+65.0	-65.0

TABLE B:

Glass Types	
1	3/16" Annealed
2	3/16" Tempered
3	1/4" Tempered
4	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



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) THE INTERIOR SILL IS NOT TESTED FOR WATER INFILTRATION AND MAY ONLY BE USED IN PASS-THRU APPLICATIONS WHERE THE OVERHANG IS AT LEAST 5 FT, (AS PER THE CURRENT FBC). 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.

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

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Impact Resistant
Windows & Doors

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

ALUMINUM SLIDING GLASS WINDOW (NI)

DESIGN PRESSURE TABLES

SGD4025A-W

By
JENS ROSOWSKI

No.
2 OF 11

Sheet
SGD4025A-W

Series
SGD4025A-W

04/12/19

Date

02/14/24

Date

Anthony Lynn Miller
Professional Engineer
No. 58705
State of Florida

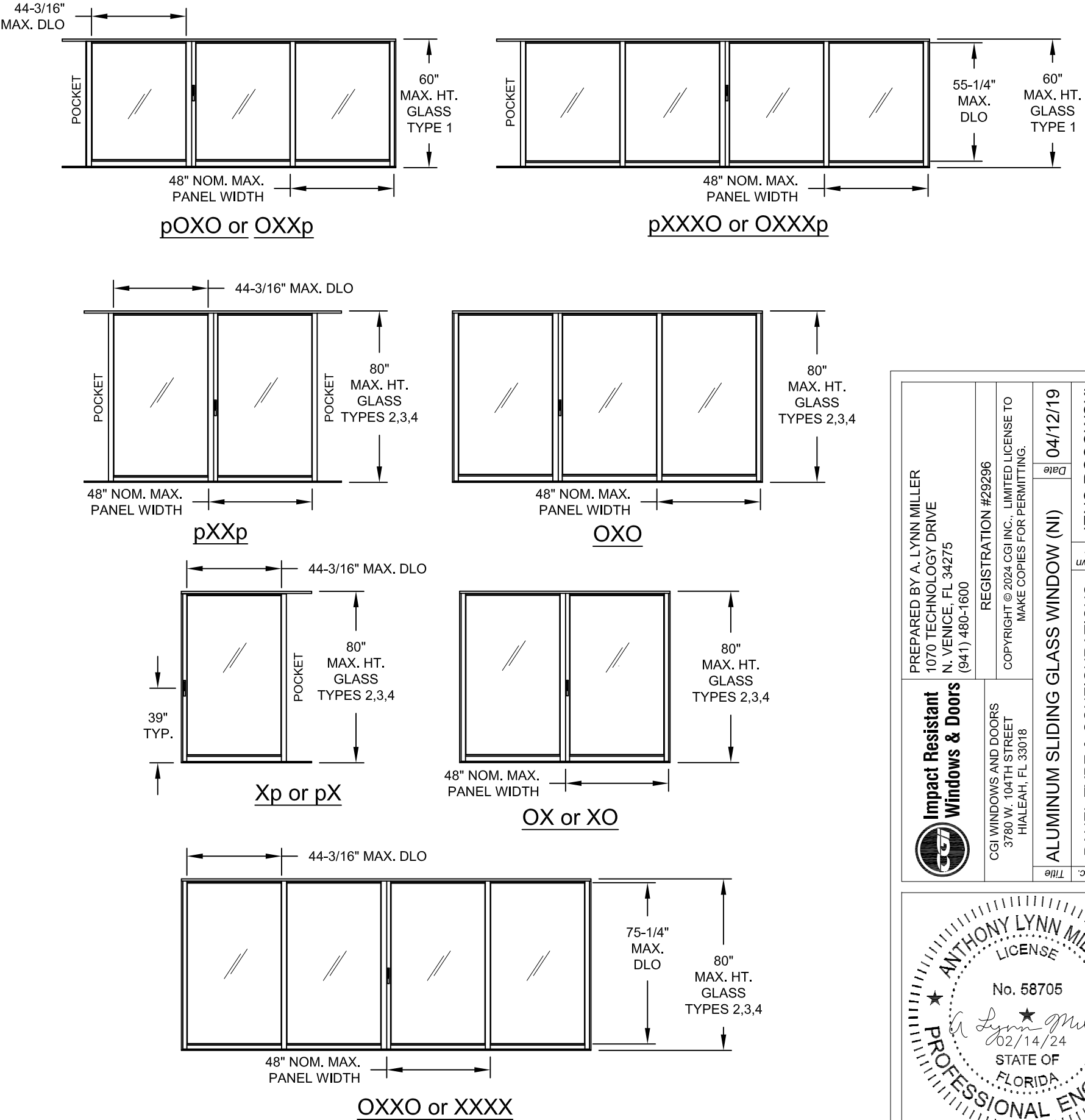
A. LYNN MILLER, P.E.
P.E.# 58705

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 WINDOWS 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.



PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

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**Impact Resistant
Windows & Doors**

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

ALUMINUM SLIDING GLASS WINDOW (NI)

PANEL TYPE & CONFIGURATIONS

SGD4025A-W

By
JENS ROSOWSKI

Date
04/12/19

Sheet
3 OF 11

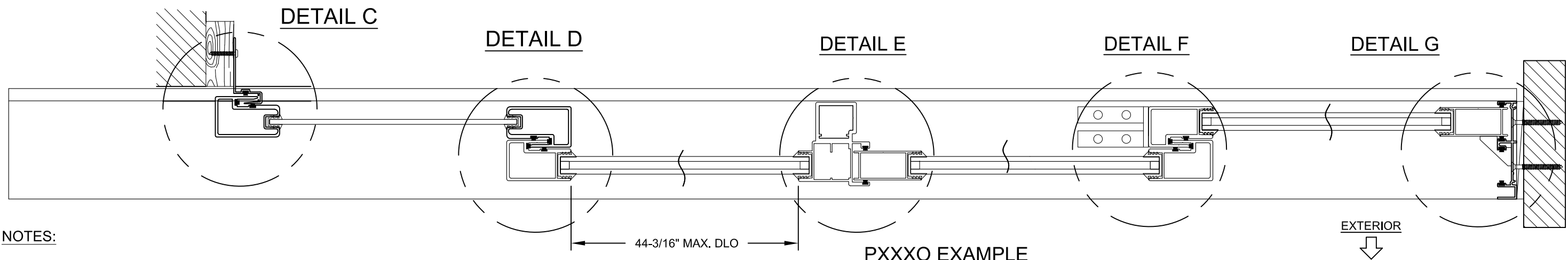
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Rev. LAYOUT/TITLE BLOCK

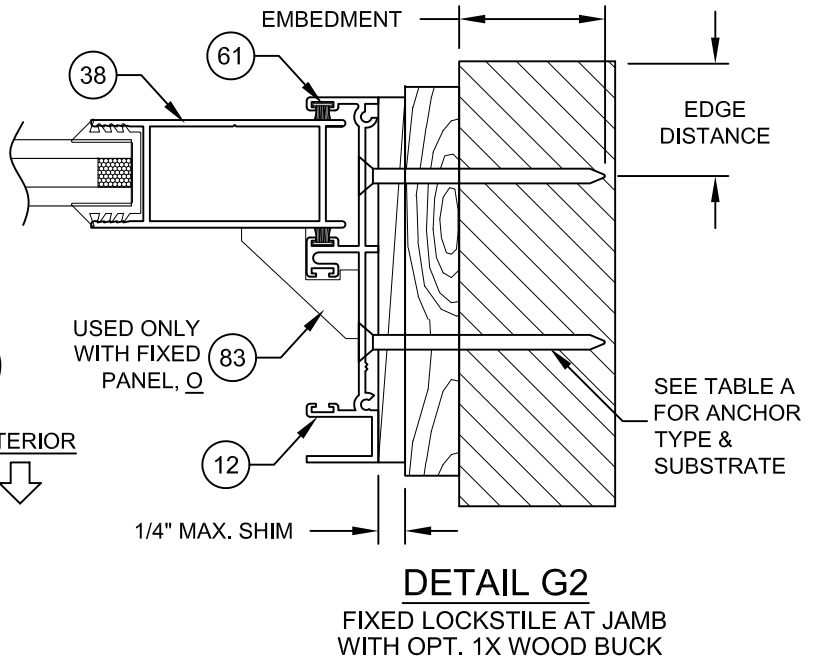
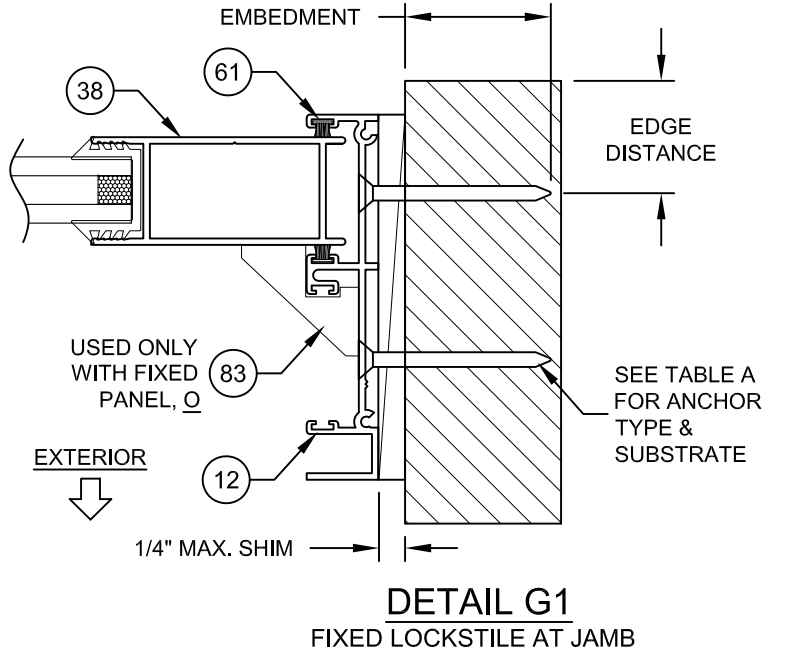
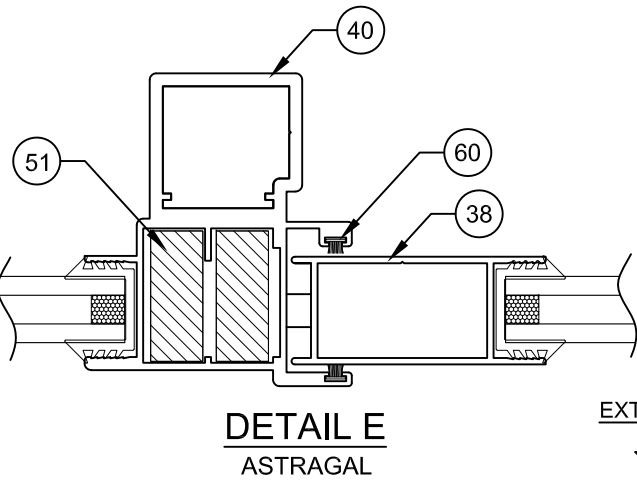
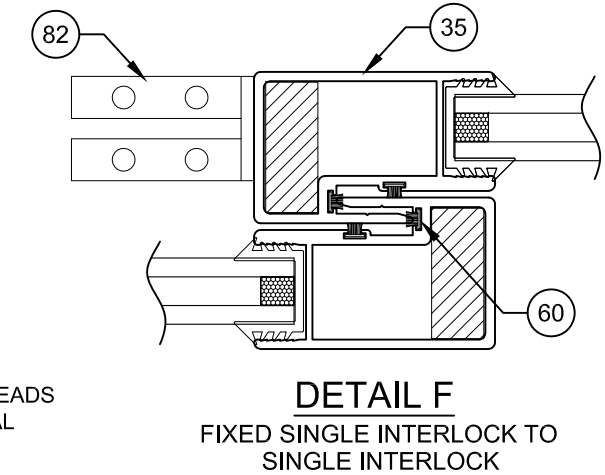
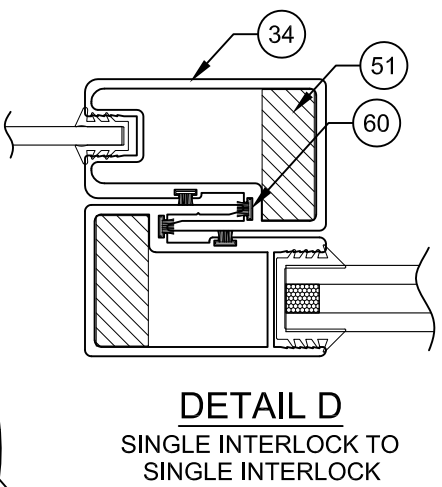
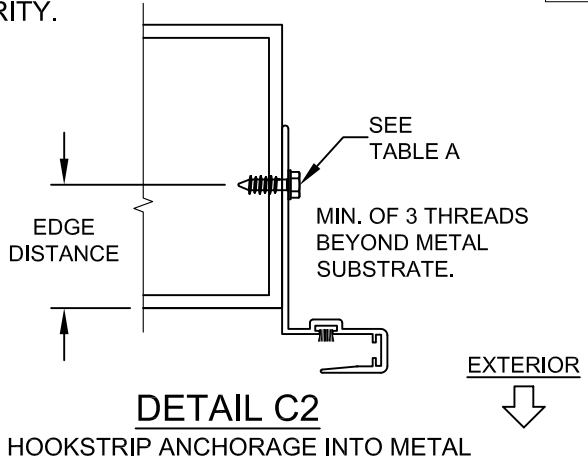
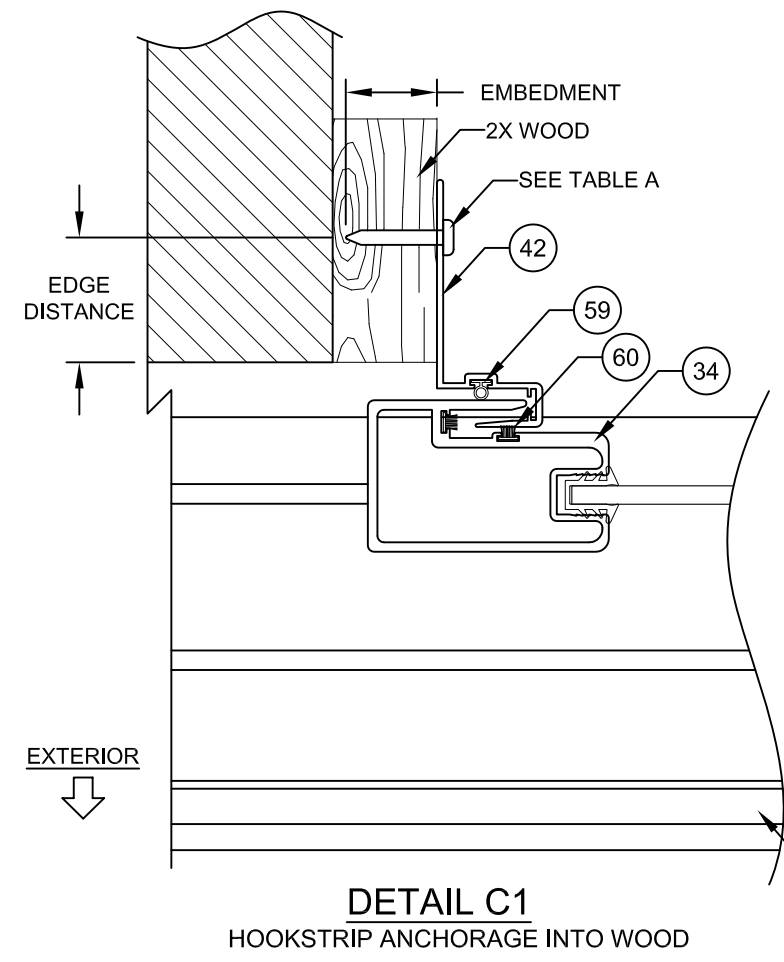
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P.E.# 58705



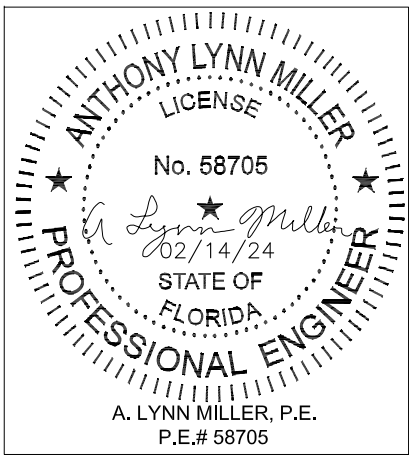
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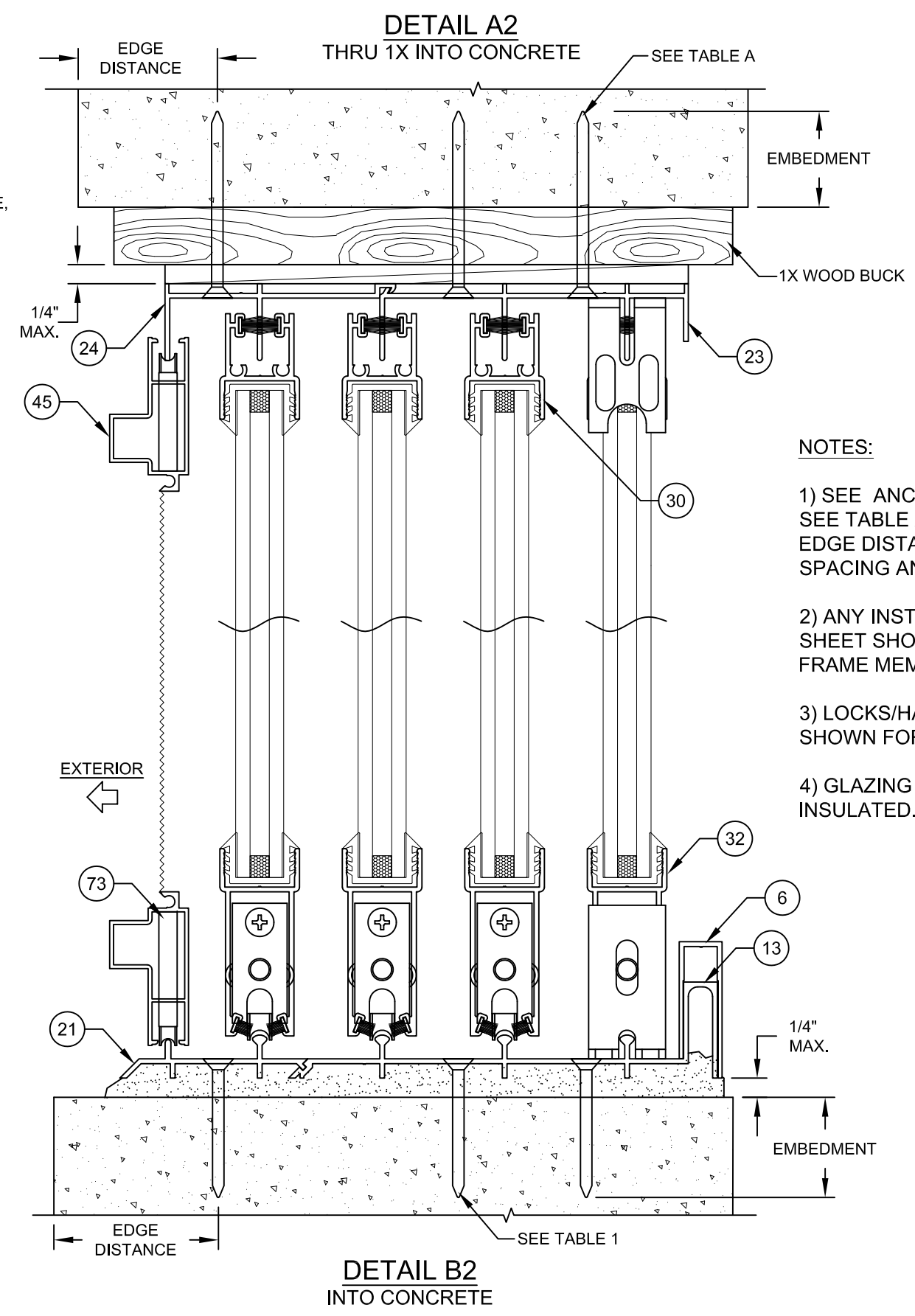
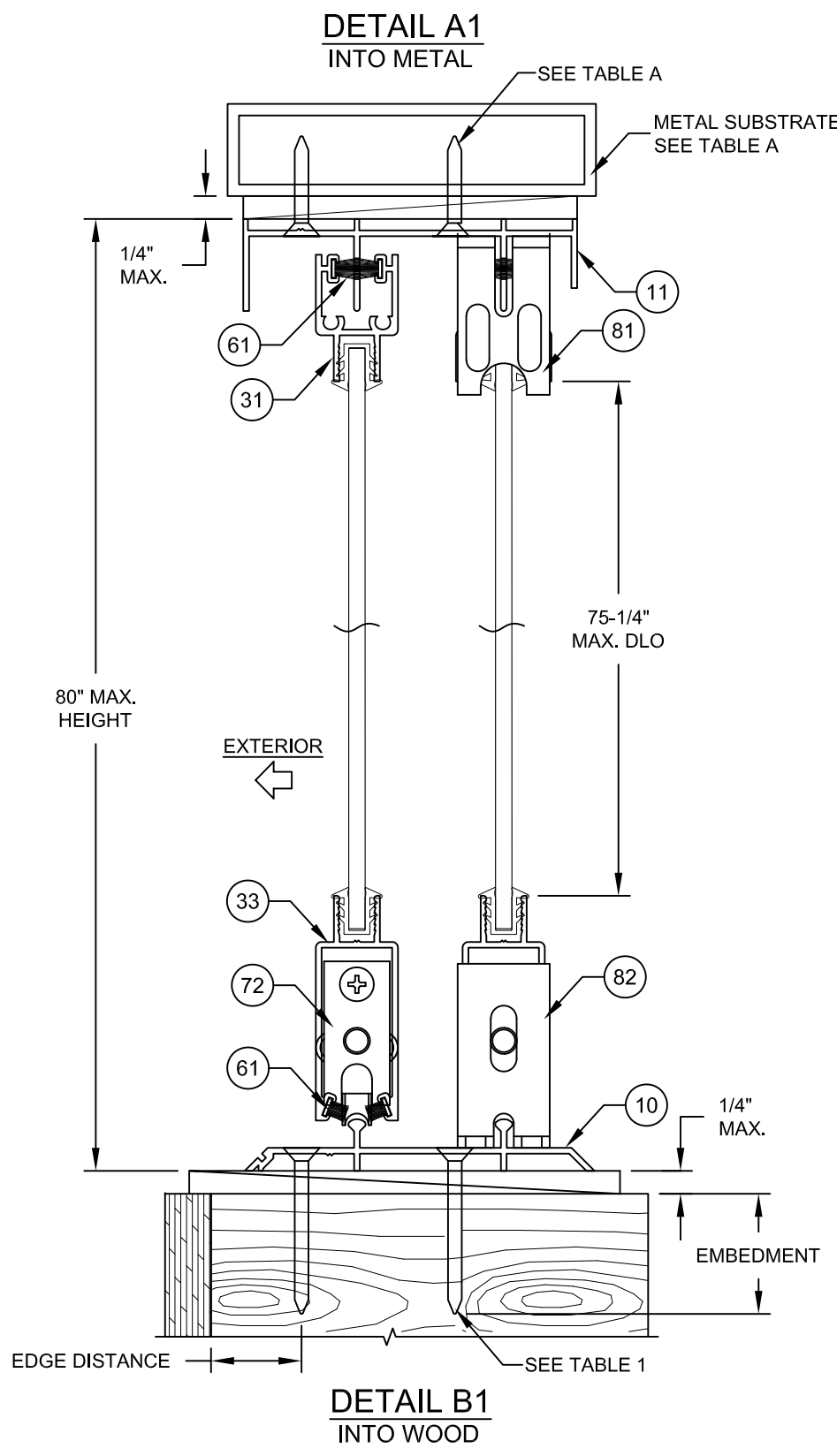
- 1) SEE ANCHOR NOTES ON SHEET 1. SEE TABLE A FOR ANCHOR TYPES, MIN. EDGE DISTANCES, EMBEDMENT, O.C. SPACING AND METAL THICKNESS.
- 2) ANY INSTALLATION METHOD ON THIS SHEET SHOWN MAY BE USED ON ANY FRAME MEMBER.
- 3) REINFORCEMENT SHOWN MAY BE OPTIONAL PER TABLES 1-3.
- 4) LOCKS/HANDLES/KEEPERS NOT SHOWN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

PXXXO EXAMPLE
SEE BELOW FOR DETAILS



 Impact Resistant Windows & Doors		CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		REGISTRATION #29296		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
				COPYRIGHT © 2024 CGI INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.			
Title		ALUMINUM SLIDING GLASS WINDOW (NI)				Date	04/12/19
Horizontal Cross Sections		JENS ROSOWSKI				By Drawn	
SGD4025A-W		Sheet		4 OF 11		DWG No.	
Series		Desc.		SGD4025A-W			



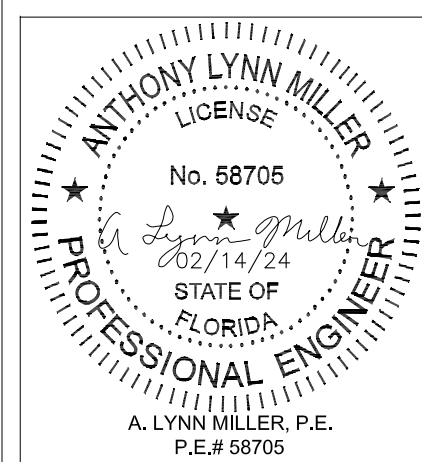


- NOTES:**
- 1) SEE ANCHOR NOTES ON SHEET 1. SEE TABLE A FOR ANCHOR TYPES, MIN. EDGE DISTANCES, EMBEDMENT, O.C. SPACING AND METAL THICKNESS.
 - 2) ANY INSTALLATION METHOD ON THIS SHEET SHOWN MAY BE USED ON ANY FRAME MEMBER.
 - 3) LOCKS/HANDLES/KEEPERS NOT SHOWN FOR CLARITY.
 - 4) GLAZING MAY BE MONOLITHIC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

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Impact Resistant Windows & Doors		CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		ALUMINUM SLIDING GLASS WINDOW (NI)	
VERTICAL CROSS SECTIONS		JENS ROSOWSKI		SGD4025A-W	
SGD4025A-W		5 OF 11		Sheet	
Series		Desc.		Title	

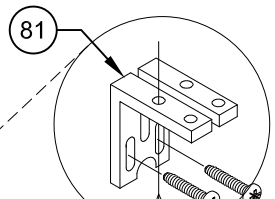
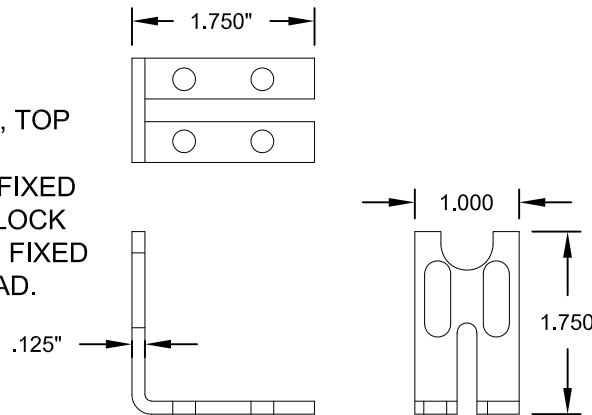
ANTHONY LYNN MILLER
LICENSE
No. 58705
02/14/24
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

 Impact Resistant Windows & Doors	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600					
	CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		REGISTRATION #29296			
	COPYRIGHT © 2024 CGI INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.					
Series	Desc.	Title	ALUMINUM SLIDING GLASS WINDOW (NI)		Date	04/12/19
SGD4025A-W		Sheet	6 OF 11	DWG No.	By	JENS ROSOWSKI
INSTALLATION HARDWARE						
SGD4025A-W						



81) FIXED PANEL CLIP, TOP

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

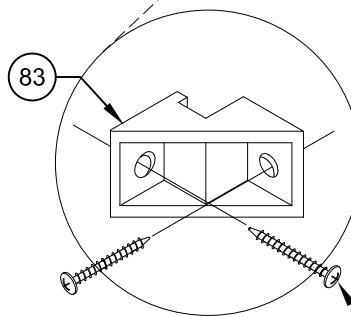


52) RE-INSTALL #10 X 3/4"
PANEL SCREWS (2)
INSTALL WITH (4) #10 X 1" SMS
OR WITH (4) 3/16" X 1"
CONCRETE ANCHORS

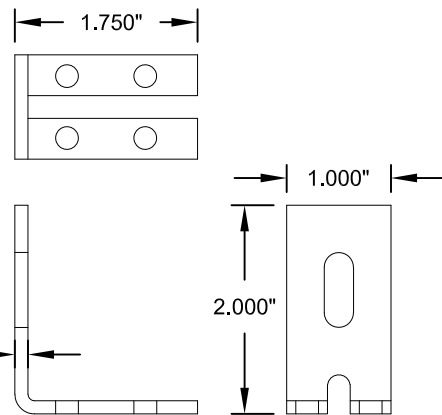
@ FIXED PANELS

83) FIXED PANEL BRACKET, JAMB

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

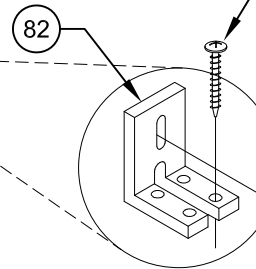


INSTALL WITH (2) #10 X 1" SMS
OR WITH (2) 3/16" X 1"
CONCRETE ANCHORS



82) FIXED PANEL CLIP, BOTTOM

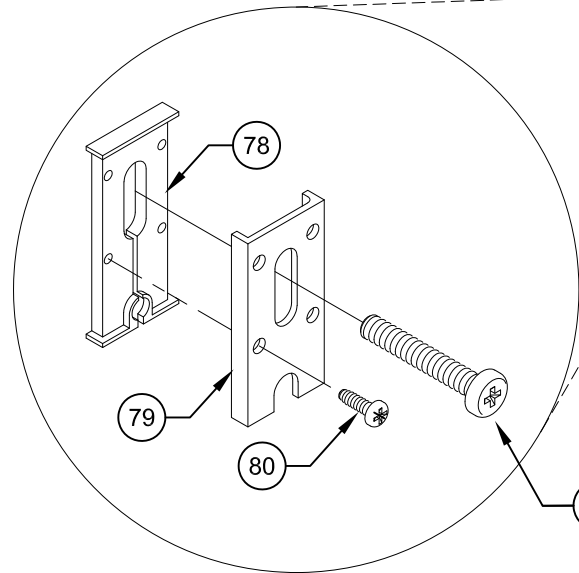
INSTALLED ON EACH FIXED
PANEL AT THE INTERLOCK
POSITION TO ATTACH FIXED
PANEL TO FRAME SILL.



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

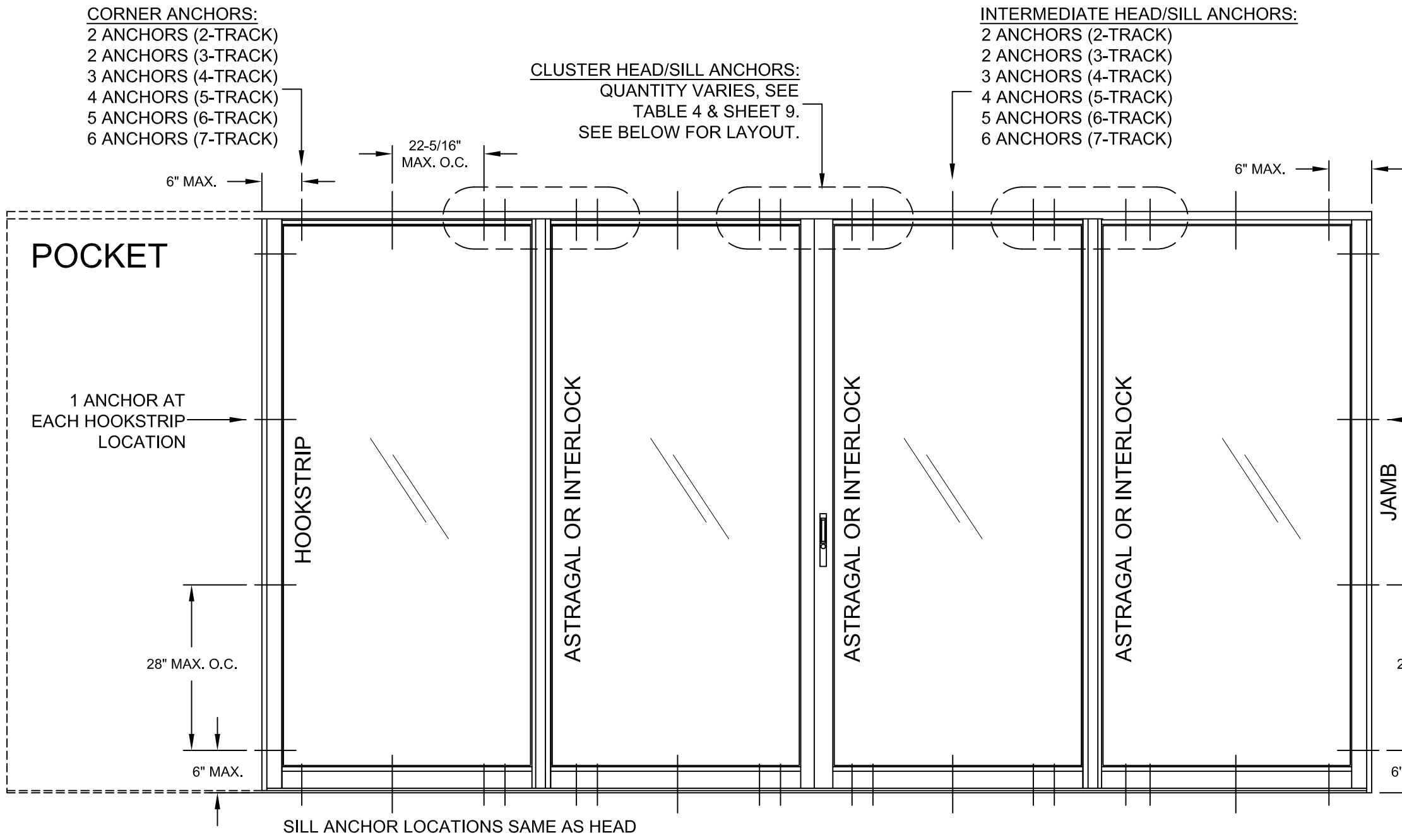
53) RE-INSTALL 1/4-20 X 1-1/8"
PANEL SCREW

@ OPERABLE PANELS



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

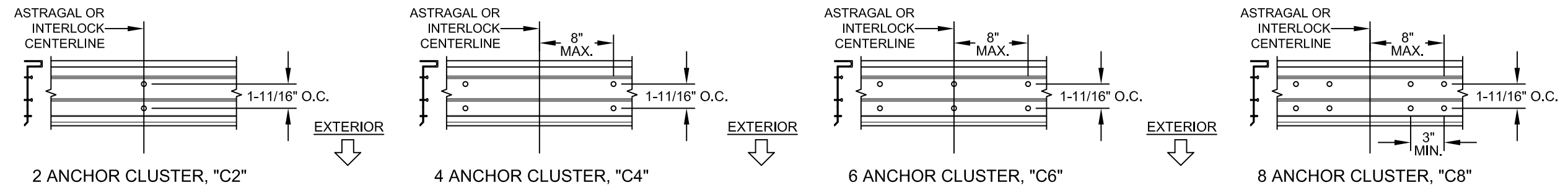
53) RE-INSTALL 1/4-20 X 1-1/8"
PANEL SCREW



- 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 SHEET 9 FOR POTENTIAL ANCHOR LOCATIONS WITHIN HEAD, SILL AND JAMB TRACK SECTIONS.

- JAMB ANCHOR LOCATIONS:**
- 2 ANCHORS (2-TRACK)
 - 3 ANCHORS (3-TRACK)
 - 4 ANCHORS (4-TRACK)
 - 5 ANCHORS (5-TRACK)
 - 6 ANCHORS (6-TRACK)
 - 7 ANCHORS (7-TRACK)

PXXXO ANCHORAGE LAYOUT EXAMPLE
CONFIGURATION MAY VARY



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

 Impact Resistant Windows & Doors	CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		REGISTRATION #29296		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600
			COPYRIGHT © 2024 CGI INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		
Title	ALUMINUM SLIDING GLASS WINDOW (NI)		Date	04/12/19	
Anchor Locations		By Drawn		JENS ROSOWSKI	
SGD4025A-W		7 OF 11		DWG No.	
Series		Sheet		SGD4025A-W	
Desc.					

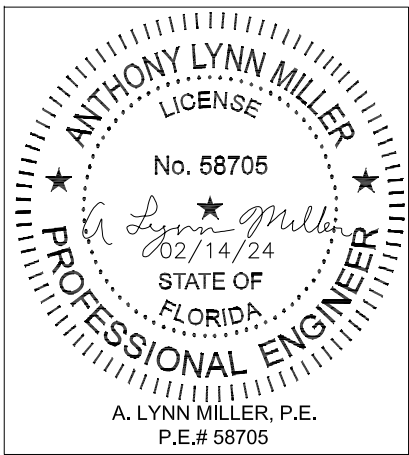


TABLE 4:

Minimum Anchor Quantities Required (also see Sheets 7 & 9)																																						
Glass Type:			1									2, 3 or 4									2, 3 or 4									3 or 4								
Interlock Type:			Single-to-Single without Reinf.									Single-to-Single without Reinf.									Single-to-Single with Reinf.									Single-to-Double with Reinf.								
See Design Pressure Table:			Table 1									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:									Anchor Location and Group:								
			Head & Sill Cluster			Jamb			P-Hook			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	A	B	C	A	B	C			
24"	20-3/16"	36"	C4	C4	C4	4	4	4	3	3	3	C4	C4	C4	4	4	6	3	3	3	C4	C4	C4	4	4	6	3	3	3	C4	C4	C4	4	4	6	3	3	3
		42"	C4	C4	C4	6	6	6	3	3	3	C4	C4	C4	6	6	6	3	3	3	C4	C4	C4	6	6	6	3	3	3	C4	C4	C4	6	6	6	3	3	3
		48"	C4	C4	C4	6	6	6	3	3	3	C4	C4	C4	6	6	6	3	3	3	C4	C4	C4	6	6	6	3	3	3	C4	C4	C4	6	6	6	3	3	3
		54"	C4	C4	C4	6	6	6	3	3	3	C6	C6	C4	6	6	6	4	4	4	C6	C6	C4	6	6	6	4	4	4	C6	C6	C4	6	6	6	4	4	4
		60"	C4	C4	C4	6	6	6	3	3	3	C6	C6	C4	6	6	8	4	4	4	C6	C6	C4	6	6	8	4	4	4	C6	C6	C4	6	6	8	4	4	4
		72"	NOT AVAILABLE									C6	C6	C6	8	8	8	5	5	4	C6	C6	C6	8	8	8	4	5	4	C6	C6	C6	8	8	8	5	5	5
		80"	NOT AVAILABLE									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
30"	26-3/16"	36"	C4	C4	C4	4	4	4	3	3	3	C4	C4	C4	6	6	6	4	4	4	C4	C4	C4	6	6	6	4	4	4	C4	C4	C4	6	6	6	4	4	4
		42"	C4	C4	C4	6	6	6	3	3	3	C6	C6	C4	6	6	6	4	4	3	C6	C6	C4	6	6	6	3	4	3	C6	C6	C4	6	6	6	4	4	3
		48"	C4	C4	C4	6	6	6	3	3	3	C6	C6	C4	6	6	6	4	4	4	C6	C6	C4	6	6	6	4	4	4	C6	C6	C4	6	6	6	4	4	4
		54"	C4	C4	C4	6	6	6	3	3	3	C6	C6	C6	8	8	8	5	5	4	C6	C6	C4	8	8	8	5	5	4	C6	C6	C6	8	8	8	5	5	4
		60"	C4	C4	C4	6	6	6	3	3	3	C6	C8	C6	8	8	8	5	5	5	C6	C6	C6	8	8	8	5	5	5	C6	C8	C6	8	8	8	5	5	5
		72"	NOT AVAILABLE									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
		80"	NOT AVAILABLE									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
36"	32-3/16"	36"	C4	C4	C4	4	4	6	3	3	3	C4	C4	C4	6	6	6	4	4	4	C4	C4	C4	4	4	6	3	4	3	C4	C4	C4	6	6	6	4	4	4
		42"	C4	C4	C4	6	6	6	3	3	3	C6	C6	C4	6	6	6	4	4	4	C4	C4	C4	6	6	6	3	3	3	C6	C6	C4	6	6	6	4	4	4
		48"	C4	C4	C4	6	6	6	3	3	3	C6	C6	C4	6	6	8	4	4	4	C4	C4	C4	6	6	6	3	4	3	C6	C6	C4	6	6	8	4	4	4
		54"	C4	C4	C4	6	6	6	3	3	3	C6	C6	C6	8	8	8	5	5	5	C6	C6	C4	6	6	6	4	4	4	C6	C6	C6	8	8	8	5	5	5
		60"	C4	C4	C4	6	6	6	3	3	3	C8	C8	C6	8	8	8	5	5	5	C6	C6	C4	6	6	8	4	5	4	C8	C8	C6	8	8	8	5	5	5
		72"	NOT AVAILABLE									C6	C8	C6	8	8	8	5	5	5	C6	C6	C6	8	8	8	5	5	5	C8	C8	C6	10	10	10	6	6	6
		80"	NOT AVAILABLE									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
42"	38-3/16"	36"	C2	C2	C2	4	6	6	4	4	3	C2	C2	C2	6	6	6	4	4	4	C2	C2	C2	4	4	4	3	3	3	C2	C2	C2	6	6	6	4	4	4
		42"	C2	C2	C2	6	6	6	3	3	3	C2	C2	C2	6	6	6	3	3	3	C2	C2	C2	6	6	6	3	3	3	C2	C2	C2	6	6	6	3	3	3
		48"	C2	C2	C2	6	6	6	3	3	3	C4	C4	C2	6	6	6	4	4	4	C2	C2	C2	6	6	6	3	3	3	C4	C4	C2	6	6	6	4	4	4
		54"	C2	C2	C2	6	6	6	3	3	3	C4	C4	C4	6	6	8	4	4	4	C4	C4	C2	6	6	6	3	4	3	C4	C4	C4	6	6	8	4	4	4
		60"	C4	C4	C2	6	6	6	3	3	3	C4	C4	C4	8	8	8	5	5	5	C4	C4	C4	6	6	6	4	4	4	C4	C4	C4	8	8	8	5	5	5
		72"	NOT AVAILABLE									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
		80"	NOT AVAILABLE									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
48"	44-3/16"	36"	C2	C2	C2	4	4	6	3	4	3	C2	C2	C2	6	6	6	4	4	3	C2	C2	C2	4	4	4	3	3	2	C2	C2	C2	6	6	6	4	4	3
		42"	C2	C2	C2	6	6	6	3	3	3	C2	C2	C2	6	6	6	3	3	3	C2	C2	C2	6	6	6	3	3	3	C2	C2	C2	6	6	6	3	3	3
		48"	C2	C2	C2	6	6	6	3	3	3	C2	C2	C2	6	6	6	3	3	3	C2	C2	C2	6	6	6	3	3	3	C2	C2	C2	6	6	6	3	3	3
		54"	C2	C2	C2	6	6	6	3	3	3	C4	C4	C2	6	6	6	4	4	4	C2	C2	C2	6	6	6	3	3	3	C4	C4	C2	6	6	6	4	4	4
		60"	C4	C4	C2	6	6	6	3	3	3	C4	C4	C4	6	6	8	4	4	4	C4	C4	C2	6	6	6	3	4	3	C4	C4	C4	6	6	8	4	4	4
		72"	NOT AVAILABLE									C4	C4	C4	8	8	8	5	5	5	C4	C4	C4	8	8	8	4	4	4	C4	C4	C4	8	8	8	5	5	5
		80"	NOT AVAILABLE									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

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.

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

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

Impact Resistant
Windows & Doors



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ALUMINUM SLIDING GLASS WINDOW (NI)

ANCHORAGE TABLE

04/12/19

By JENS ROSOWSKI

Drawn

SGD4025A-W

8 OF 11

Sheet

SGD4025A-W

Desc.

Series

C

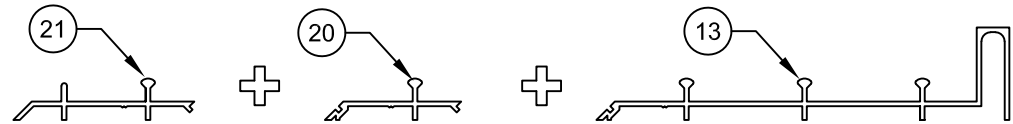
Rev. #

02/14/24

Date

REV. LAYOUT/TITLE BLOCK

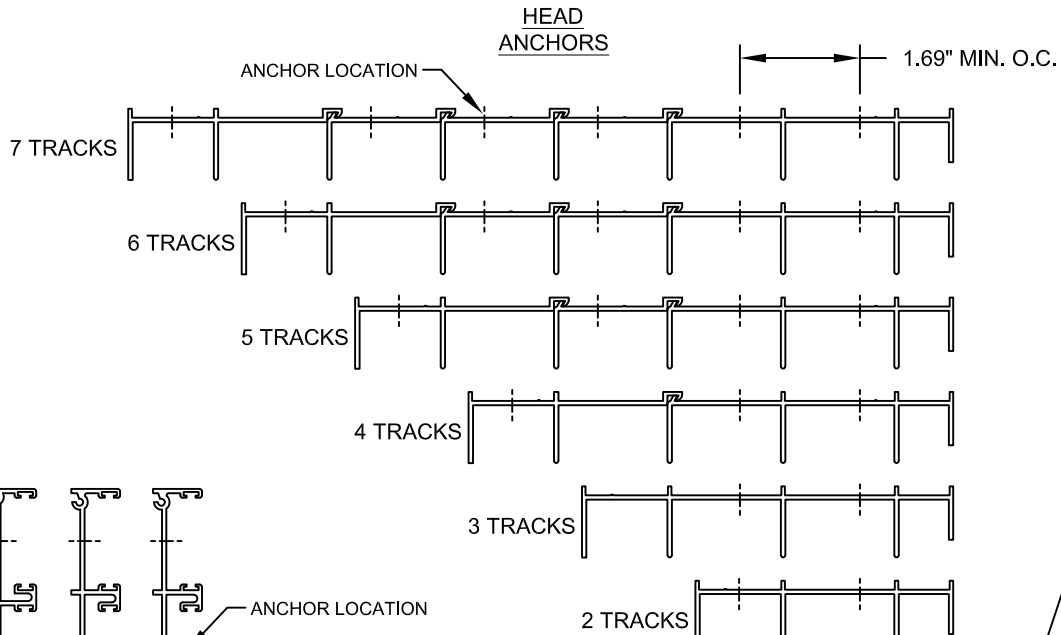
Rev.



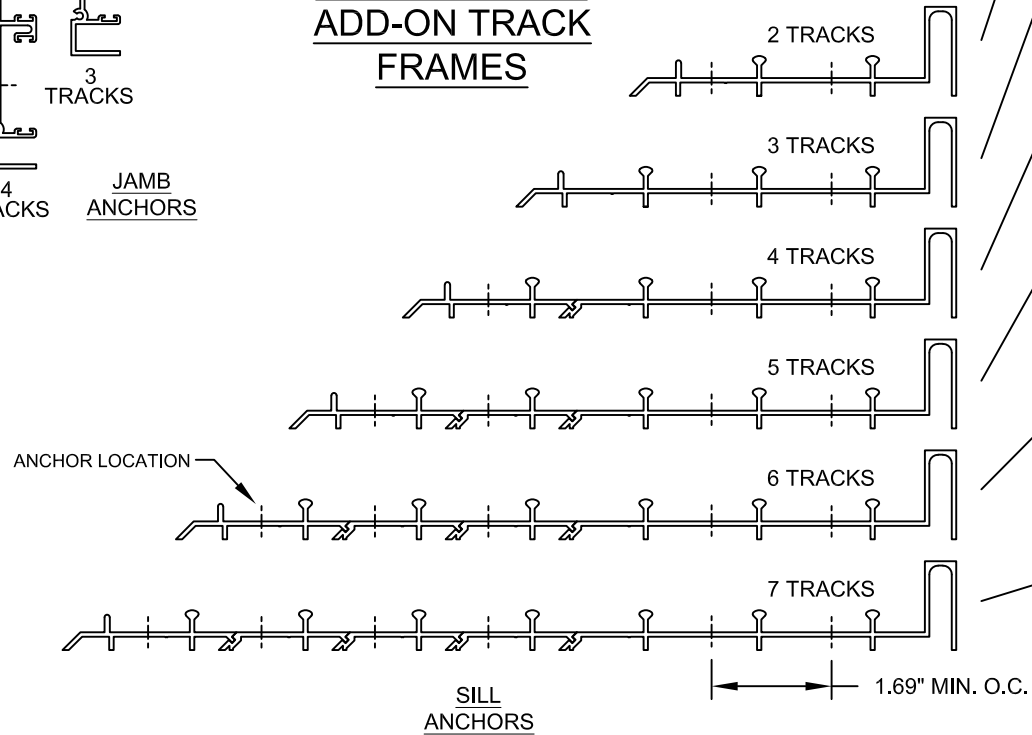
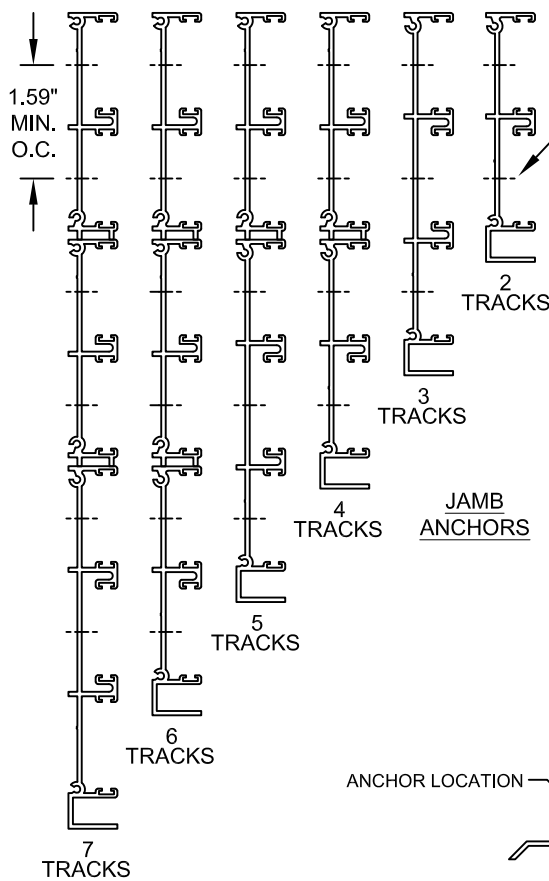
EXAMPLE ADD-ON TRACK
SILL SHOWN, JAMB & HEAD SIMILAR

EXAMPLE TOP VIEW ANCHOR LAYOUT

SILL SHOWN WITH 8 ANCHORS (C8),
JAMB & HEAD SIMILAR



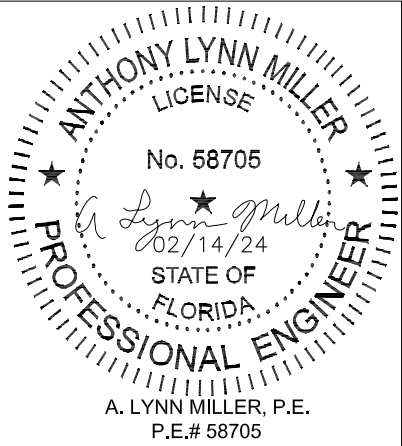
INSTALLATION
ANCHOR LOCATIONS
FOR OPTIONAL
ADD-ON TRACK
FRAMES

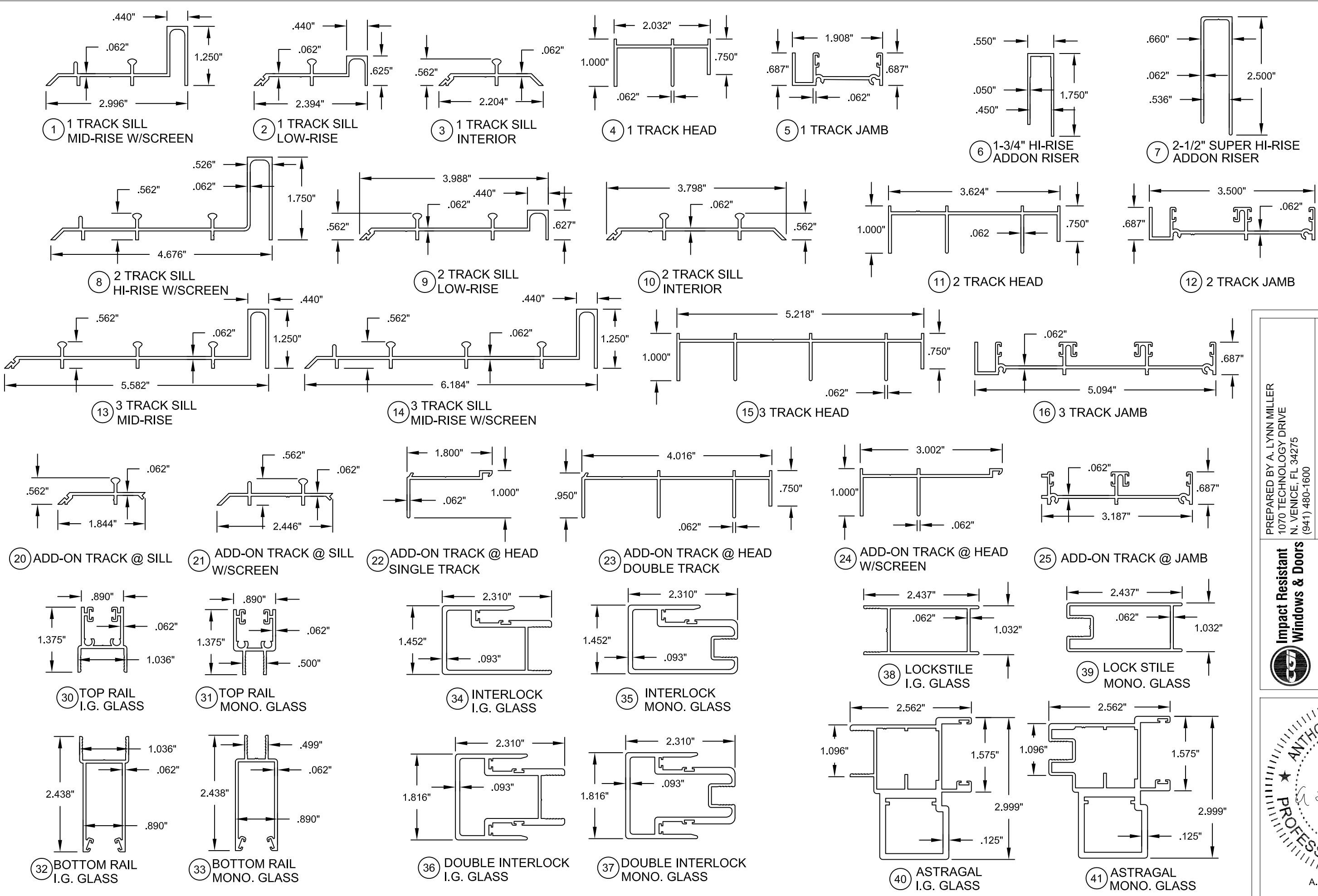


NOTES ON ADD-ON TRACK ANCHOR LOCATIONS:

- 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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Impact Resistant Windows & Doors		CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		ALUMINUM SLIDING GLASS WINDOW (NI)		ADD-ON TRACK ANCHORAGE		9 OF 11	
No. DWG		Title		Desc.		Sheet		Series	
SGD4025A-W		ADD-ON TRACK ANCHORAGE		JENS ROSOWSKI		SGD4025A-W		SGD4025A-W	





Rev. #		C	
Date		02/14/24	
REV. LAYOUT/TITLE BLOCK			
Rev.			

Prepared By		A. LYNN MILLER	
Address		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275	
Phone		(941) 480-1600	
Registration #		29296	
Copyright		© 2024 CGI INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	
Date		04/12/19	
By		JENS ROSOWSKI	
DWG		10 OF 11	
Sheet		SGD4025A-W	
Series		SGD4025A-W	

Impact Resistant Windows & Doors		CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018	
ALUMINUM SLIDING GLASS WINDOW (NI)		EXTRUSIONS (X 0.5)	
Title		Desc.	

ANTHONY LYNN MILLER

LICENSE

No. 58705

02/14/24

STATE OF FLORIDA

PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E.

P.E.# 58705

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

Rev.	REV. LAYOUT/TITLE BLOCK	Date	02/14/24	Rev.#	C
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