

SERIES SGD560A IMPACT RESISTANT SLIDING GLASS DOOR,
2 OR 3 TRACK, W/WO POCKETS

- 1) THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED PER FBC REQUIREMENTS, AS APPLICABLE
- 3) 1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.
- 4) 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.
- 5) A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- 6) ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
- 7) MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE & ADOPTED STANDARDS.
- 8) 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.
- 9) EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

ANCHOR NOTES:

- 1) SEE TABLE A, THIS SHEET, FOR EMBEDMENT, EDGE DISTANCE, AND SUBSTRATE REQUIREMENTS.
- 2) WOOD BUCKS DEPICTED AS 1BY ARE LESS THAN 1-1/2" THICK. PROPERLY SECURED 1BY WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE OR CMU. WOOD BUCKS DEPICTED AS 2BY ARE 1-1/2" THICK OR GREATER. 1BY AND 2BY BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD & TO BE REVIEWED BY THE BUILDING OFFICIAL.
- 3) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER THE FBC AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- 4) 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 THE SUBSTRATE. IF THE SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

INSTRUCTIONS:

- 1) DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- 2) DETERMINE DOOR CAPACITY FROM TABLES ON SHEETS 7-10 FOR THE GLASS TYPE AND REINFORCING TO USE.
- 3) USING CHARTS ON SHEET 11-14 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- 4) FOR SIDE BY SIDE DOORS WITH VERTICAL MULLION SELECT 2X6, 2X8 OR 2X10 TUBE FROM CHART ON SHEET 18 WITH LOAD RATING HIGHER THAN REQUIRED. SELECT ANCHORS AS PER STEP 3.
- 5) THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

FLORIDA PRODUCT APPROVAL #16755

IMPACT RATING
RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

DESIGN PRESSURE RATING
SEE TABLES 7-14

TABLE A:

Anchor Group	Anchor Type	Substrate	Max. Shim Space	Min. Edge Distance	Min. Embedment or Metal Thickness
A	#14 SS SMS or SDS (Gr. 2 CRS)	6063-T5 Aluminum	1/2"	1/2"	0.125"
		Steel	1/2"	1/2"	0.105" (12 Ga)
	#14 Steel SMS	Southern Pine (SG = 0.55)	1/2"	9/16"	1-3/8"
B	1/4" Hilti Kwik-Con II	Southern Pine (SG = 0.55)	1/2"	1"	2"
		Through Buck Into Conc. Or Block	1/2"	2-1/2"	1-1/4"
C	1/4" Hilti Kwik-Con II	Concrete (min. 3 ksi)	1/2"	2-1/2"	2"
		Blocks (min. 2 ksi)	1/2"	2-1/2"	2"
	1/4" Ultracon+	Concrete (min. 3 ksi)	1/4"	2-1/2"	1-3/4"
		Hollow CMU (min. 2 ksi)	1/4"	2-1/2"	1-1/4"
D	5/16" Ultracon	Southern Pine (SG = 0.55)	1/2"	1-1/4"	2"
		Through Buck Into Concrete	1/2"	3-1/8"	1-1/4"
		Through Buck Into Hollow CMU	1/2"	3-1/8"	1-3/8"
E	5/16" Ultracon	Concrete (min. 3 ksi)	1/2"	3-1/8"	1-3/4"
		Grout Filled CMU (min. 2 ksi)	1/2"	3-1/8"	1-3/4"

- 1) MINIMUM OF 3 THREADS MUST EXTEND BEYOND ANY METAL SUBSTRATE.
- 2) HOLLOW CMU VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS
- 3) ALL ANCHOR HEAD TYPES ARE APPLICABLE
- 4) 1/4" ULTRACON+ ANCHORS ARE LIMITED TO A MAXIMUM OF 1/4" SHIM SPACE. ALL OTHER ANCHORS MAY USE A MAXIMUM OF 1/2" SHIM SPACE.

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SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)

1/25/23

GENERAL NOTES - INSTRUCTIONS

LOGAN YODER

SGD560A

1 OF 21

SGD560-LMI-FPA

Rev. #

A

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Rev.

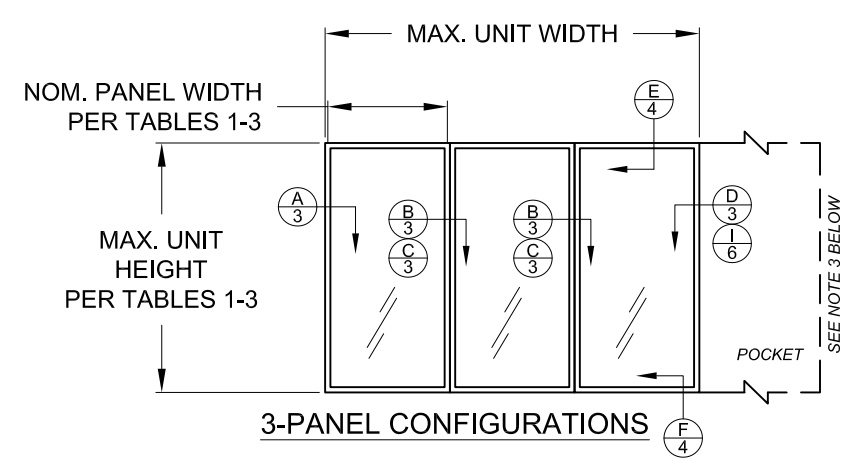
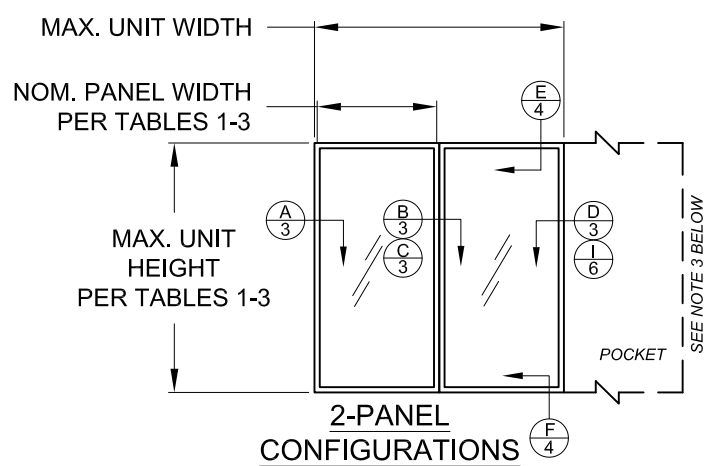
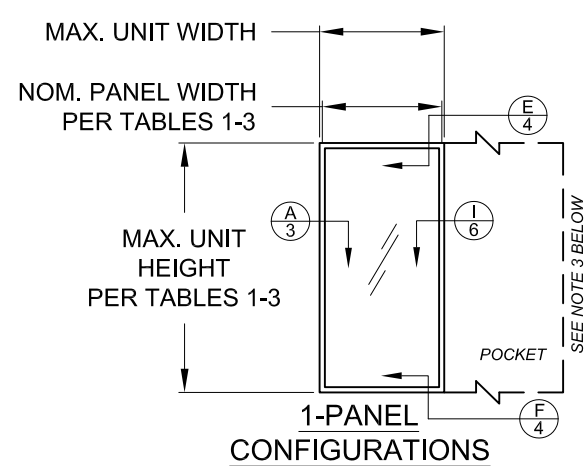
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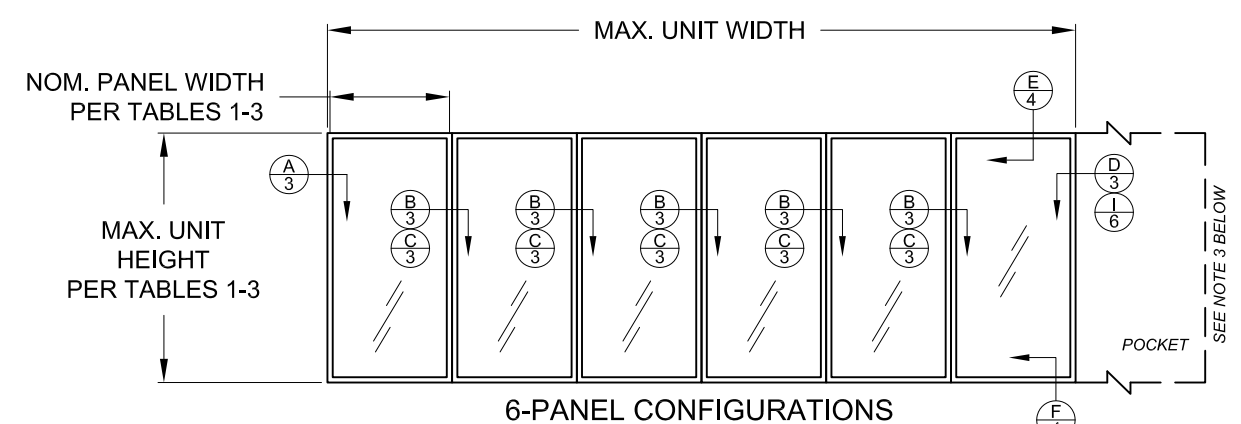
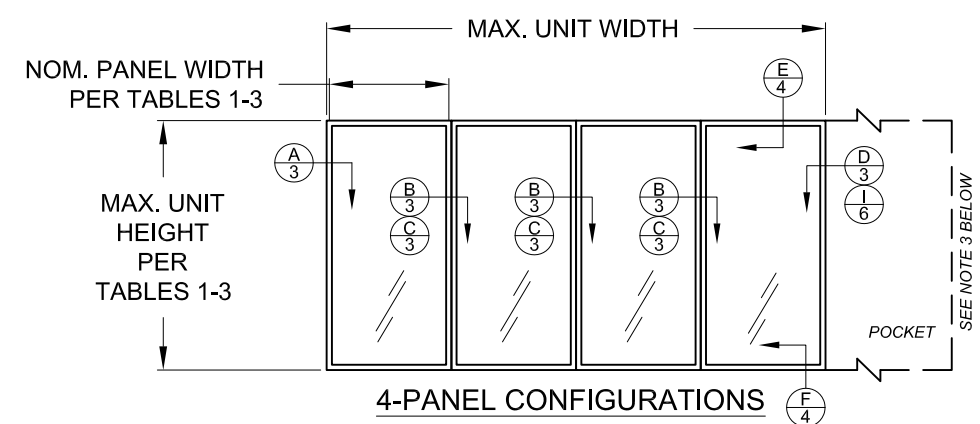


TABLE 1:

Frame Width Based on Panel Width 2 Track Configurations				
Panel Width	2 Panel	3 Panel	4 Panel	1 Fixed Panel
24-1/4"	48"	73-1/2"	94-3/4"	26-3/4"
30-1/4"	60"	91-1/2"	118-3/4"	32-3/4"
36-1/4"	72"	109-1/2"	142-3/4"	38-3/4"
42-1/4"	84"	127-1/2"	166-3/4"	44-3/4"
48-1/4"	96"	145-1/2"	190-3/4"	50-3/4"
54-1/4"	108"	163-1/2"	214-3/4"	56-3/4"
60-1/4"	120"	181-1/2"	238-3/4"	62-3/4"

TABLE 2:

Frame Width Based on Panel Width 3 Track Configurations		
Panel Width	3 Panel	6 Panel
24-1/4"	69-1/4"	137-1/2"
30-1/4"	87-1/4"	173-1/2"
36-1/4"	105-1/4"	209-1/2"
42-1/4"	123-1/4"	245-1/2"
48-1/4"	141-1/4"	281-1/2"
54-1/4"	159-1/4"	317-1/2"
60-1/4"	177-1/4"	353-1/2"

TABLE 3:

Frame Width Based on Panel Width 2 Track Pocket Configurations					
Panel Width	pX, Xp	pXX, XXp	pXXp	pXXXXp	pXXXX
24-1/4"	22-9/16"	43-13/16"	44-1/16"	86-5/8"	90-3/4"
30-1/4"	28-9/16"	55-13/16"	56-1/16"	110-5/8"	114-3/4"
36-1/4"	34-9/16"	67-13/16"	68-1/16"	134-5/8"	138-3/4"
42-1/4"	40-9/16"	79-13/16"	80-1/16"	158-5/8"	162-3/4"
48-1/4"	46-9/16"	91-13/16"	92-1/16"	182-5/8"	186-3/4"
54-1/4"	52-9/16"	103-13/16"	104-1/16"	206-5/8"	210-3/4"
60-1/4"	58-9/16"	115-13/16"	116-1/16"	230-5/8"	234-3/4"

TABLE 4:

Frame Width Based on Panel Width 2 Track Pocket Configurations			
Panel Width	pXXX, XXXp	pXXXXXXp	pXXXXXX
24-1/4"	65-1/4"	129-3/8"	133-7/16"
30-1/4"	83-1/4"	165-3/8"	169-7/16"
36-1/4"	101-1/4"	201-3/8"	205-7/16"
42-1/4"	119-1/4"	237-3/8"	241-7/16"
48-1/4"	137-1/4"	273-3/8"	277-7/16"
54-1/4"	155-1/4"	309-3/8"	313-7/16"
60-1/4"	173-1/4"	345-3/8"	349-7/16"

CONFIGURATIONS NOTES:

1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS. EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.

2) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

3) FOR FRAME AND PANEL WIDTHS, SEE TABLES 1-4

4) FOR FRAME AND PANEL WIDTH FORMULAS, SEE SHEET 21.

"X" = OPERABLE PANEL
"O" = INOPERABLE PANEL
"p" = POCKET

DLO WIDTH = PANEL WIDTH - 8"
DLO HEIGHT = DOOR HEIGHT - 13-5/16"
PANEL HEIGHT = DOOR HEIGHT - 2-9/16"

MAX. 2-TRACK FRAME DOOR AREA NOT TO EXCEED:
199.0 SQ. FT (EXCLUDING ANY POCKETS)

MAX. 3-TRACK FRAME DOOR AREA NOT TO EXCEED:
441.25 SQ. FT FOR LOADS UP TO 105 PSF
351.56 SQ. FT FOR LOADS ABOVE 105 PSF

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SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)

1/25/23

LOGAN YODER

By

Date

SGD560A

2 OF 21

DWG No.

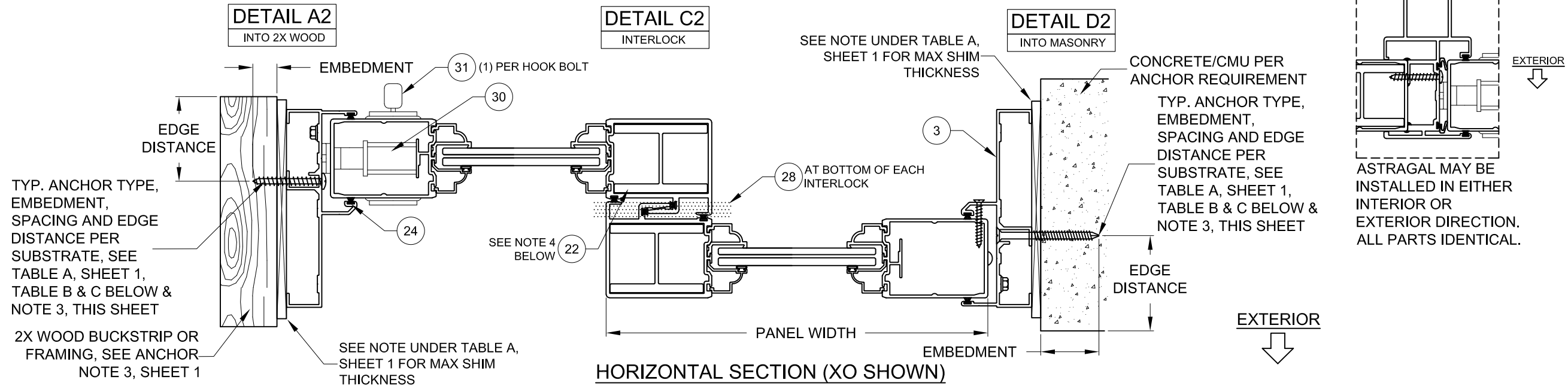
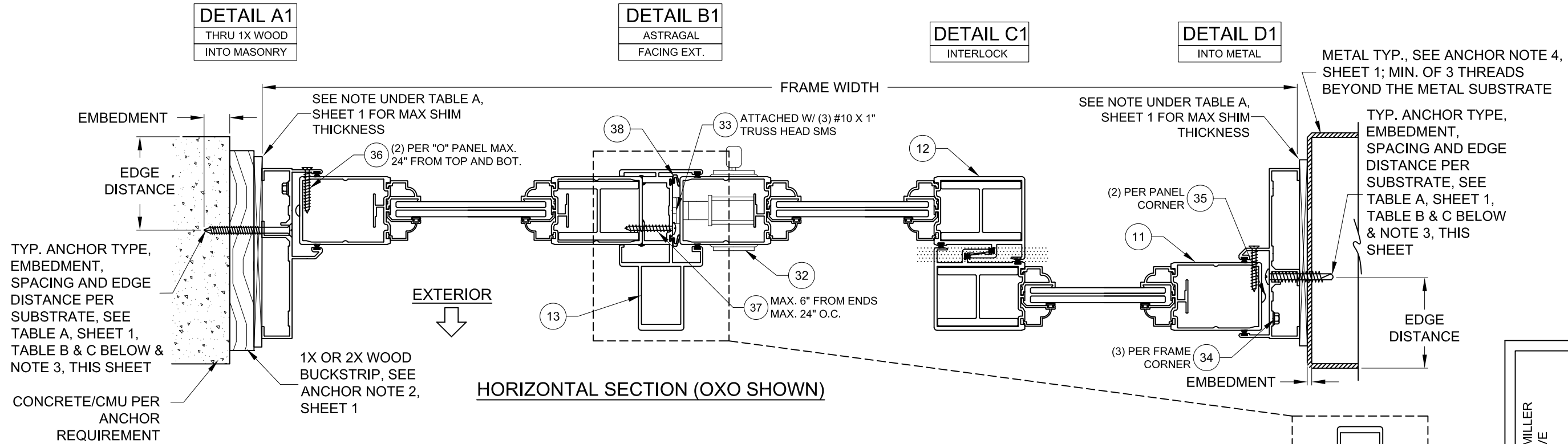
SGD560-LMI-FPA

Rev. #

A

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- NOTES**
- 1) DETAILS APPLY TO 2 AND 3 TRACK CONFIGURATIONS.
 - 2) REFER TO ANCHOR NOTES, SHEET 1.
 - 3) SEE TABLES B & C, THIS SHEET, FOR MAXIMUM JAMB ANCHOR SPACING. FOR ANCHOR QUANTITIES, SEE SHEETS 15 & 16.
 - 4) SEE SHEETS 7-10 FOR REINFORCEMENT REQUIREMENTS. REINFORCEMENT LENGTH IS EQUAL TO THE FRAME HEIGHT - 14".
 - 5) 2 TRACK ANCHORAGE SHOWN - SEE SHEET 16 FOR 3 TRACK ANCHORAGE

TABLE B:

Maximum Jamb Anchor Spacing - 2 Track			
Shim Space	Anchor Group		
	A	B & C	D & E
1/4"	18-1/2"	16-3/4"	16-3/4"
3/8"	-	14-1/2"	14-1/2"
1/2"	-	9-1/4"	9-1/4"

TABLE C:

Maximum Jamb Anchor Spacing - 3 Track			
Shim Space	Anchor Group		
	A	B & C	D & E
1/4"	18-1/2"	18-1/2"	18-1/2"
3/8"	-	18-1/2"	18-1/2"
1/2"	-	9-1/4"	18-1/2"

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SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)

1/25/23

LOGAN YODER

INSTALLATION - HORIZONTAL X-SECT.

SGD560A

3 OF 21

SGD560-LMI-FPA

A

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DETAIL E1
INTO MASONRY
1X BUCKSTRIP

SEE NOTE UNDER
TABLE A, SHEET 1 FOR
MAX SHIM THICKNESS

CONCRETE/CMU
PER ANCHOR
REQUIREMENT

EDGE
DISTANCE

EMBED-
MENT

TYP. ANCHOR TYPE,
EMBEDMENT & EDGE
DISTANCE PER
SUBSTRATE, SEE
TABLE A, SHEET 1 &
NOTE 3, THIS SHEET

1X OR 2X WOOD
BUCKSTRIP, SEE
ANCHOR NOTE 2,
SHEET 1

SEE NOTE UNDER
TABLE A, SHEET 1 FOR
MAX SHIM THICKNESS

DAYLIGHT
OPENING
HEIGHT

FRAME
HEIGHT

EXTERIOR

DETAIL F1
INTO MASONRY

3/8" MAX

EMBEDMENT

EDGE DISTANCE

CONCRETE/CMU
PER ANCHOR
REQUIREMENT

TYP. ANCHOR TYPE,
EMBEDMENT & EDGE
DISTANCE PER
SUBSTRATE, SEE
TABLE A, SHEET 1 &
NOTE 3, THIS SHEET

SILL WITH RISER
APPROVED FOR
WATER
RESISTANCE
SEE SHEET 6 FOR
CAPACITY

POURED & HARDENED
HIGH STRENGTH GROUT
 $f_c = 5000$ PSI MIN.
(NON-METALLIC)
WITH BONDING AGENT
NOT BY WINDOOR.
MUST TRANSFER SHEAR
LOADS TO STRUCTURE.

ATTACHED WITH
#8 X 3/4" PH PH TEKS

EXTERIOR

DETAIL E2
INTO WOOD

2X WOOD BUCKSTRIP OR
FRAMING, SEE ANCHOR
NOTE 3, SHEET 1

EDGE
DISTANCE

EMBEDMENT

9

42

27

TYP. ANCHOR TYPE, EMBEDMENT AND
EDGE DISTANCE PER SUBSTRATE, SEE
TABLE A, SHEET 1 & NOTE 3, THIS SHEET

DETAIL E3
INTO MASONRY

CONCRETE/CMU
PER ANCHOR
REQUIREMENT

EDGE
DISTANCE

EMBEDMENT

SEE NOTE UNDER
TABLE A, SHEET 1 FOR
MAX SHIM THICKNESS

DETAIL E4
INTO METAL

APPROVED MULLION, FBC
COMPLIANT ALUMINUM/STEEL
FRAMING OR STEEL STUD. MAY
BE VERTICAL OR HORIZONTAL.
SEE SUBSTRATE PROPERTIES,
TABLES A AND B, SHEET 1

EDGE DISTANCE

EMBEDMENT

TYP. ANCHOR TYPE, EMBEDMENT AND
EDGE DISTANCE PER SUBSTRATE, SEE
TABLE A, SHEET 1 & NOTE 3, THIS SHEET

SEE NOTE UNDER
TABLE A, SHEET 1 FOR
MAX SHIM THICKNESS

NOTES

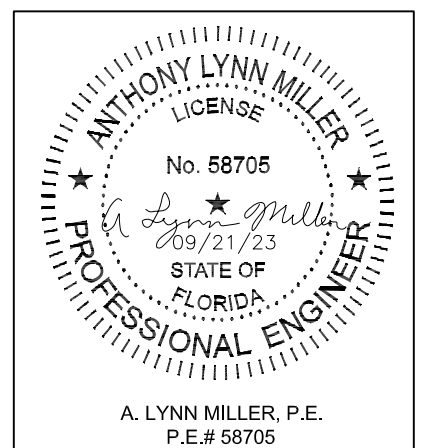
- 1) DETAILS APPLY TO 2 AND 3 TRACK CONFIGURATIONS.
- 2) REFER TO ANCHOR NOTES, SHEET 1.
- 3) SEE SHEETS 15 & 16 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR CLUSTER QUANTITIES, SEE SHEETS 11-14.
- 4) 2 TRACK ANCHORAGE SHOWN - SEE SHEET 16 FOR 3 TRACK ANCHORAGE.

DETAIL F2
INTO WOOD

EMBEDMENT

EDGE
DISTANCE

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SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)		LOGAN YODER		1/25/23	
INSTALLATION - VERTICAL X-SECT.		SGD560-LMI-FPA		A	
Rev. #		DWG No.		Sheet	
Date		By		Title	



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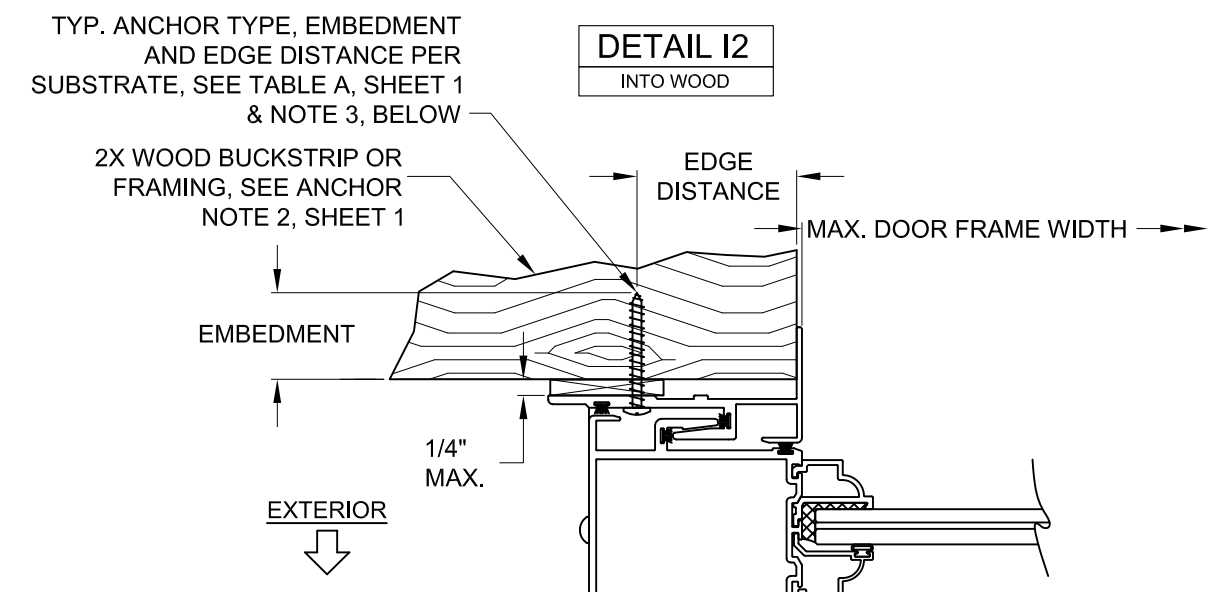
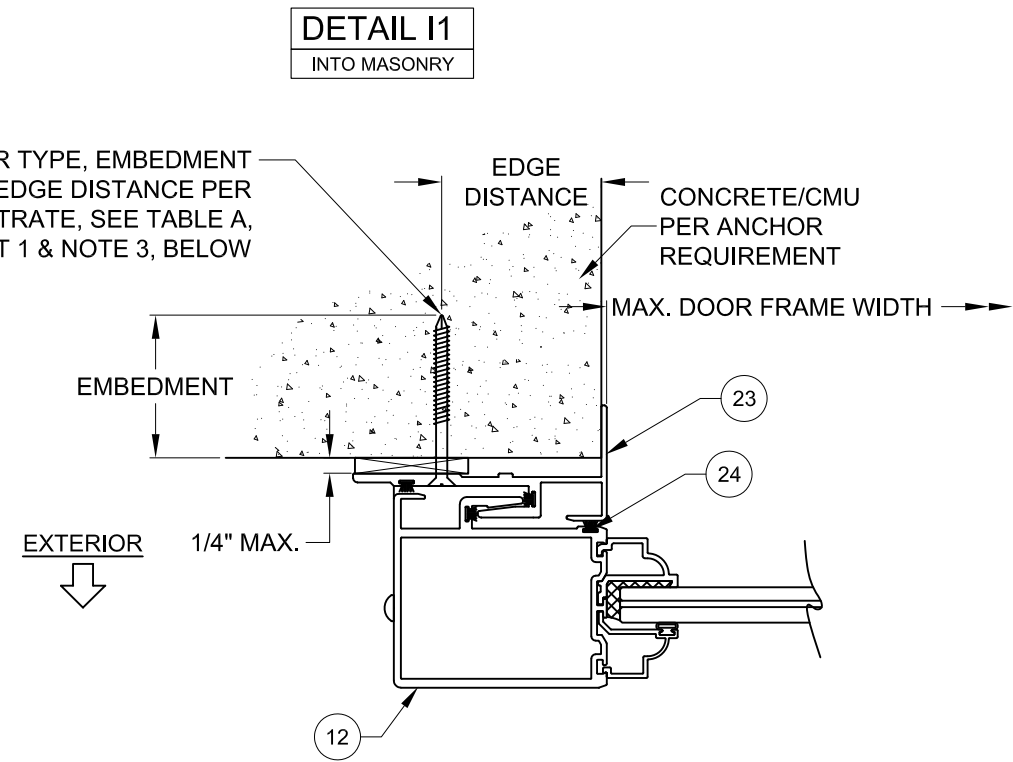


TABLE 5:

3-Track Pocket Hook Anchor Capacity - PSF (+/-)													
Anchor Type	Substrate	Min. Embedment	Min. Edge Dist.	Panel Widths									
				36-1/4"		42-1/4"		48-1/4"		54-1/4"		60-1/4"	
				Ext. (+)	Int. (-)	Ext. (+)	Int. (-)	Ext. (+)	Int. (-)	Ext. (+)	Int. (-)	Ext. (+)	Int. (-)
1/4" Ultracon+	Masonry	1-1/4"	1"	55.8	55.8	48.0	48.0	41.9	41.9	37.3	37.3	33.6	33.6
	Concrete	1-3/4"	1"	120.0	140.0	120.0	140.0	120.0	138.0	120.0	122.5	110.3	110.3
#14 SMS (Gr. 2 or Gr. 5 CRS)	Wood	1-3/4"	3/4"	120.0	140.0	120.0	140.0	120.0	131.0	116.5	116.5	104.9	104.9

TABLE 6:

3-Track Pocket Hook Anchor Capacity - PSF (+/-)									
Anchor Type	Substrate	Min. Embedment	Min. Edge Dist.	Panel Widths					
				36-1/4"	42-1/4"	48-1/4"	54-1/4"	60-1/4"	
1/4" Ultracon+	Masonry	1-1/4"	1"	55.8	47.9	41.9	37.3	33.6	
	Concrete	1-3/4"	1"	140.0	140.0	137.8	122.5	110.3	
#14 SMS (Gr. 2 or Gr. 5 CRS)	Wood	1-3/4"	3/4"	140.0	140.0	131.0	116.5	104.9	

- NOTES
- 1) DETAILS APPLY TO 2 AND 3 TRACK CONFIGURATIONS.
- 2) REFER TO ANCHOR NOTES, SHEET 1.
- 3) SEE SHEETS 15 & 16 FOR ANCHOR LOCATION & SPACING.
- 4) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- 5) POCKET HOOK ANCHOR CAPACITY VALUES IN TABLES 5 & 6, THIS SHEET, ARE FOR 12" TYP. ANCHOR SPACING. MULTIPLY CAPACITY BY 2 FOR 6" TYP. ANCHOR SPACING.

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SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)

1/25/23

LOGAN YODER

By

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5 OF 21

Sheet

SGD560A

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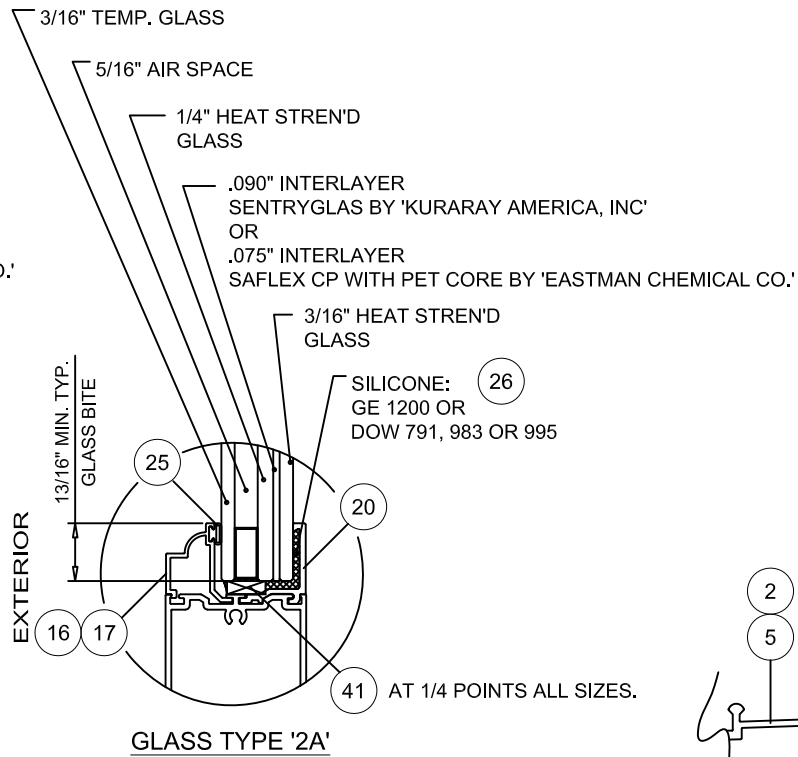
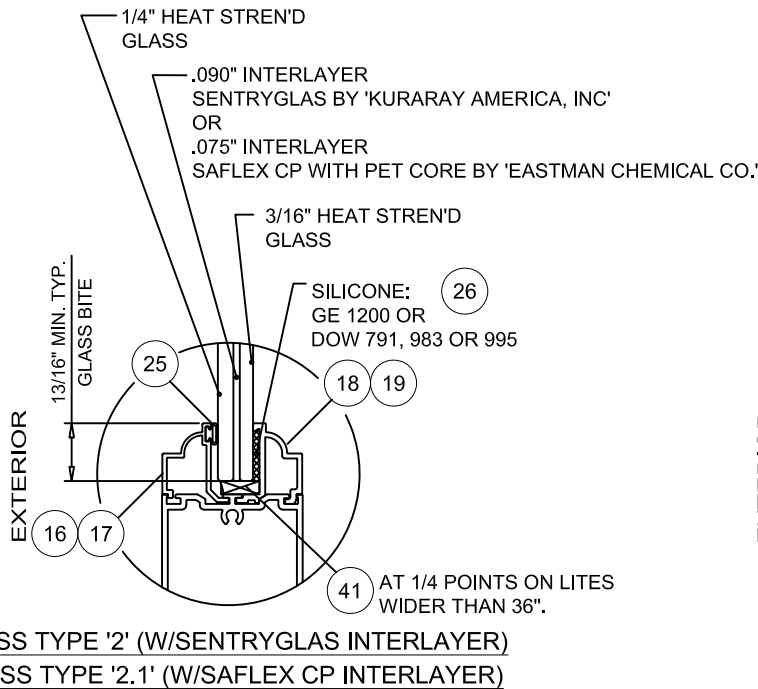
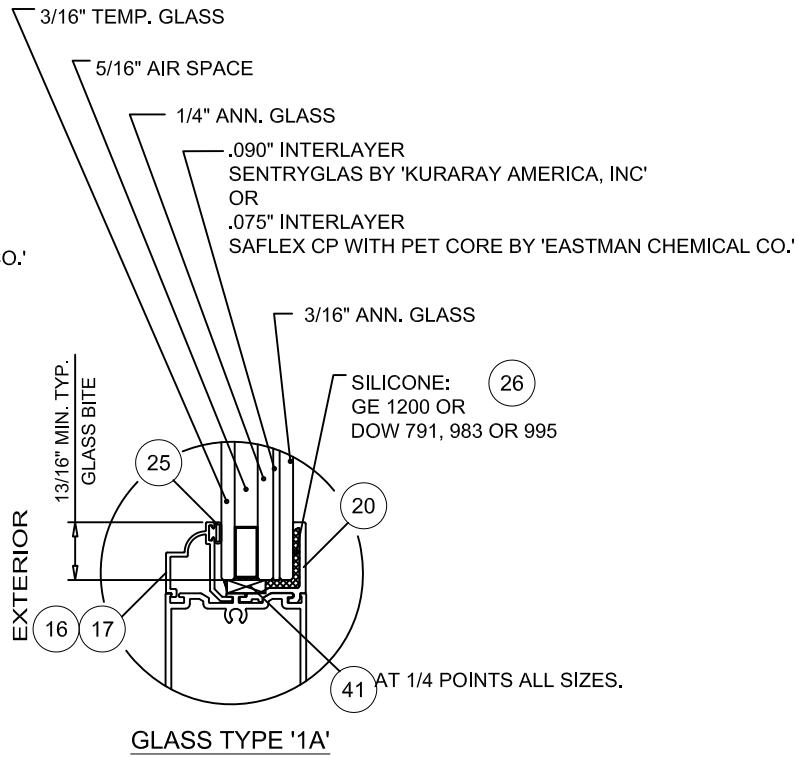
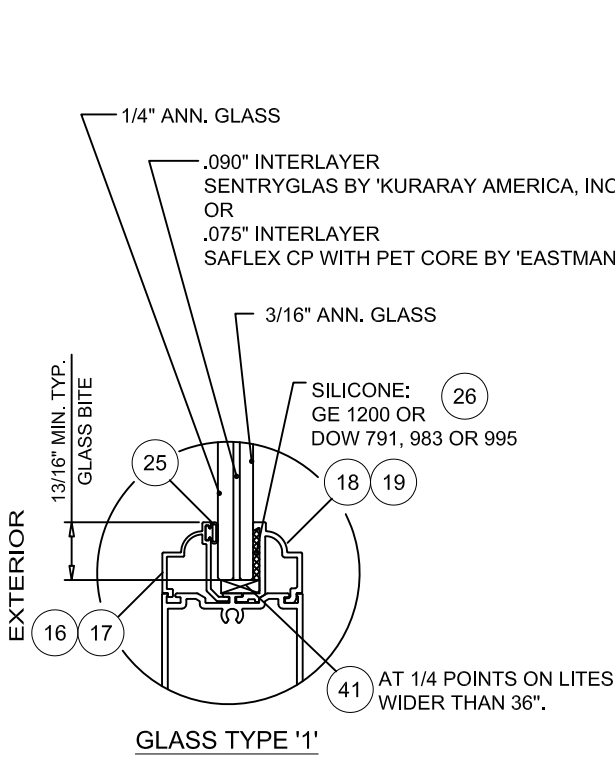
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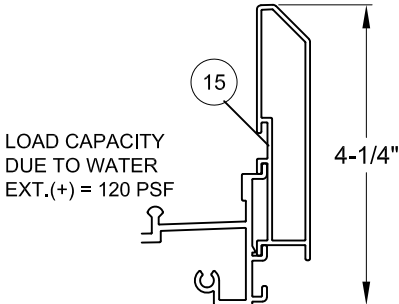
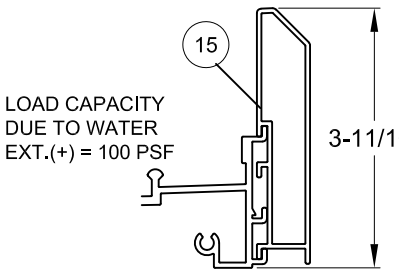
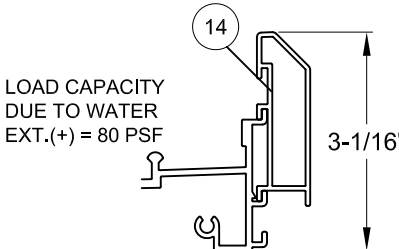
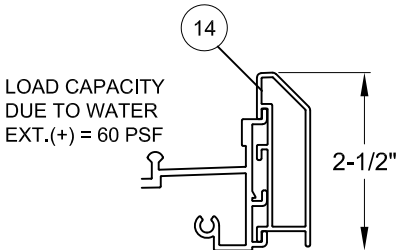
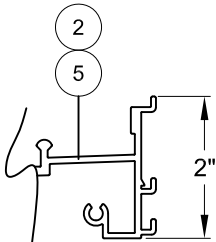
A. LYNN MILLER, P.E.
P.E.# 58705

GLAZING OPTIONS



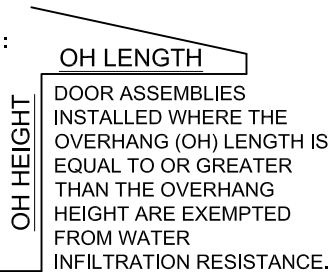
NOTE:
3/16" AND 1/4" PIECES OF GLASS ON THE 1/2" LAMINATED UNIT ARE
INTERCHANGEABLE
(EX: 3/16" + 1/4" OR 1/4" + 3/16") LIMIT MAX PANEL AREA TO 40.2 SQ. FT.
FOR PANEL AREAS > 40.2 SQ. FT. LAMINATED PLIES MUST BE 1/4" + 3/16"
(AS SHOWN IN DETAILS).

SILL WITHOUT RISER IS NOT APPROVED FOR WATER INFILTRATION
RESISTANCE AND MAY ONLY BE USED WHERE WATER INFILTRATION
RESISTANCE IS NOT REQUIRED OR IF THE DOOR IS PROTECTED
WITH AN OVERHANG PER FIG. 1, THIS SHEET. MAX. POSITIVE DESIGN
PRESSURE FOR THIS SILL IS THE SAME AS SHOWN IN TABLES 7-14.

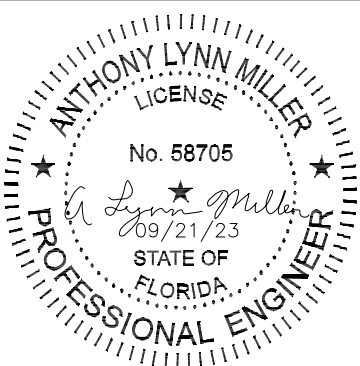


POSITIVE DESIGN PRESSURES SHOWN IN CHARTS
ON SHEETS 7-14 MAY BE USED FOR DOORS THAT
ARE NOT REQUIRED TO MEET WATER
INFILTRATION RESISTANCE OR WHERE THE DOOR
IS PROTECTED WITH AN OVERHANG PER FIG. 1
BELOW. OTHERWISE, THE POSITIVE DESIGN
PRESSURE WILL BE LIMITED TO THE POSITIVE DP
SHOWN FOR EACH SILL RISER ABOVE.

FIG 1:



PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2023 WINDOOR, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		1/25/23	
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		SGD560A-LMI-FPA		LOGAN YODER	
SGD560A		6 OF 21		GLASS & SILL RISER DETAILS	
SGD560A		SGD560A-LMI-FPA		A	



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

By:	LMY
Date	9/20/23
Rev.	NO CHANGES THIS SHEET

TABLE 7:

Glass Types: 1 & 1A		Design Load Capacity - PSF (Glass)														
		Panel Width / Panel DLO Width														
2 Track Configuration		24-1/4" (Panel)	30-1/4" (Panel)	33-1/4" (Panel)	36-1/4" (Panel)	39-1/4" (Panel)	42-1/4" (Panel)	44-1/4" (Panel)	46-1/4" (Panel)	48-1/4" (Panel)	50-1/4" (Panel)	52-1/4" (Panel)	54-1/4" (Panel)	56-1/4" (Panel)	58-1/4" (Panel)	60-1/4" (Panel)
W/O Reinforcement		16-1/4" (DLO)	22-1/4" (DLO)	25-1/4" (DLO)	28-1/4" (DLO)	31-1/4" (DLO)	34-1/4" (DLO)	36-1/4" (DLO)	38-1/4" (DLO)	40-1/4" (DLO)	42-1/4" (DLO)	44-1/4" (DLO)	46-1/4" (DLO)	48-1/4" (DLO)	50-1/4" (DLO)	52-1/4" (DLO)
Frame Height	80"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-79.1	+/-75.9	+/-73	+/-70.3	+/-67.8	+/-65.5	+/-63.3
	84"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-79.1	+/-75.9	+/-73	+/-70.3	+/-67.8	+/-65.5	+/-63.3
	90"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-79.1	+/-75.9	+/-73	+/-70.3	+/-67.8	+/-65.5	+/-63.3
	96"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-79.1	+/-75.9	+/-73	+/-70.3	+/-67.8	+/-65.5	
	99"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-79.1	+/-75.9	+/-73	+/-70.3	+/-67.8		
	102"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-79.1	+/-75.9	+/-73	+/-70.3			
	105"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-78.1	+/-74.5	+/-71.5	+/-68.9			
	108"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-75.9	+/-72.3	+/-69.2				
	111"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-75.8	+/-71.8					
	114"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-75.8	+/-71.8					
	117"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-72.3						
	120"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-80	+/-72.3						

TABLE 8:

Glass Type: 2		Design Load Capacity - PSF (Glass)														
		Panel Width / Panel DLO Width														
2 Track Configuration		24-1/4" (Panel)	30-1/4" (Panel)	33-1/4" (Panel)	36-1/4" (Panel)	39-1/4" (Panel)	42-1/4" (Panel)	44-1/4" (Panel)	46-1/4" (Panel)	48-1/4" (Panel)	50-1/4" (Panel)	52-1/4" (Panel)	54-1/4" (Panel)	56-1/4" (Panel)	58-1/4" (Panel)	60-1/4" (Panel)
W/ Reinforcement		16-1/4" (DLO)	22-1/4" (DLO)	25-1/4" (DLO)	28-1/4" (DLO)	31-1/4" (DLO)	34-1/4" (DLO)	36-1/4" (DLO)	38-1/4" (DLO)	40-1/4" (DLO)	42-1/4" (DLO)	44-1/4" (DLO)	46-1/4" (DLO)	48-1/4" (DLO)	50-1/4" (DLO)	52-1/4" (DLO)
Frame Height	80"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	84"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	90"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	96"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	99"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+106.7/-124.5	+105/-120.1	+105/-116	+/-105
	102"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+106.7/-124.5	+105/-120.1	+/-105	+/-105
	105"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+106.7/-124.5	+/-105	+/-105	+/-105
	108"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+/-105	+/-105	+/-105	+/-105
	111"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+/-105	+/-105	+/-105	+/-105
	114"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+/-105	+/-105	+/-105	+/-105
	117"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-137.1	+/-105	+/-105	+/-105	+/-105	+/-105
	120"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-137.1	+/-105	+/-105	+/-105	+/-105	+/-105

2 TRACK GLASS CAPACITY CHARTS

NOTES:
CAPACITIES SHOWN IN CHART ARE FOR DOORS USING 4-1/4" SILL RISER. APPROPRIATE SILL RISER TO BE SELECTED FOR MAX. POSITIVE DESIGN PRESSURE, SEE DETAILS ON SHEET 6.

OBTAIN ANCHOR TYPE FROM SHEET 1 AND CONFIGURATION TO USE FROM ANCHOR CHARTS ON SHEETS 11-14.

MULLION SIZE AND CAPACITY TO BE OBTAINED FROM CHARTS ON SHEET 18.

LOWEST APPLICABLE VALUE FROM THE ABOVE WILL APPLY TO CONDITION REVIEWED.

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS).

Rev.

CONVERTED TO MATRIX FORMAT

Date

9/20/23

By:

LMY

WINDOOR[®]
INCORPORATED

WINDOOR INCORPORATED
104 TRIPLE DIAMOND BLVD
N VENICE, FL 34275
(833) 554-5432

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

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SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)

1/25/23

SGD560A

DESIGN LOAD CAPACITY - GLASS - 2T

LOGAN YODER

7 OF 21

SGD560-LMI-FPA

A

ANTHONY LYNN MILLER
LICENSE
No. 58705
09/21/23
STATE OF
FLORIDA

PROFESSIONAL ENGINEER

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

TABLE 9:

Glass Type: 2.1		Design Load Capacity - PSF (Glass)														
		Panel Width / Panel DLO Width														
2 Track Configuration		24-1/4" (Panel)	30-1/4" (Panel)	33-1/4" (Panel)	36-1/4" (Panel)	39-1/4" (Panel)	42-1/4" (Panel)	44-1/4" (Panel)	46-1/4" (Panel)	48-1/4" (Panel)	50-1/4" (Panel)	52-1/4" (Panel)	54-1/4" (Panel)	56-1/4" (Panel)	58-1/4" (Panel)	60-1/4" (Panel)
W/ Reinforcement		16-1/4" (DLO)	22-1/4" (DLO)	25-1/4" (DLO)	28-1/4" (DLO)	31-1/4" (DLO)	34-1/4" (DLO)	36-1/4" (DLO)	38-1/4" (DLO)	40-1/4" (DLO)	42-1/4" (DLO)	44-1/4" (DLO)	46-1/4" (DLO)	48-1/4" (DLO)	50-1/4" (DLO)	52-1/4" (DLO)
Frame Height	80"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	84"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	90"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	96"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	99"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+/-105
	102"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+/-105	+/-105
	105"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+/-105	+/-105	+/-105
	108"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+/-105	+/-105	+/-105	+/-105
	111"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+/-105	+/-105	+/-105	+/-104	+/-102
	114"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+/-105	+/-105	+/-104	+/-101	+/-99.5
	117"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-138.4	+105/-133.8	+/-105	+/-105	+/-102	+/-99.2
	120"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-137.1	+/-105	+/-105	+/-103	+/-100	+/-97.2

TABLE 10:

Glass Type: 2A		Design Load Capacity - PSF (Glass)														
		Panel Width / Panel DLO Width														
2 Track Configuration		24-1/4" (Panel)	30-1/4" (Panel)	33-1/4" (Panel)	36-1/4" (Panel)	39-1/4" (Panel)	42-1/4" (Panel)	44-1/4" (Panel)	46-1/4" (Panel)	48-1/4" (Panel)	50-1/4" (Panel)	52-1/4" (Panel)	54-1/4" (Panel)	56-1/4" (Panel)	58-1/4" (Panel)	60-1/4" (Panel)
W/ Reinforcement		16-1/4" (DLO)	22-1/4" (DLO)	25-1/4" (DLO)	28-1/4" (DLO)	31-1/4" (DLO)	34-1/4" (DLO)	36-1/4" (DLO)	38-1/4" (DLO)	40-1/4" (DLO)	42-1/4" (DLO)	44-1/4" (DLO)	46-1/4" (DLO)	48-1/4" (DLO)	50-1/4" (DLO)	52-1/4" (DLO)
Frame Height	80"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+102.9/-120.1	+99.4/-116	+96.1/-112.1
	84"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+102.9/-120.1	+99.4/-116	+96.1/-112.1
	90"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+102.9/-120.1	+99.4/-116	+96.1/-112.1
	96"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+102.9/-120.1	+99.4/-116	+96.1/-112.1
	99"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+102.9/-120.1	+99.4/-116	
	102"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+102.9/-120.1		
	105"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5			
	108"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3				
	111"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4					
	114"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4					
	117"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-138.4					
	120"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-137.1					

2 TRACK GLASS CAPACITY CHARTS

NOTES:
CAPACITIES SHOWN IN CHART ARE FOR DOORS USING 4-1/4" SILL RISER. APPROPRIATE SILL RISER TO BE SELECTED FOR MAX. POSITIVE DESIGN PRESSURE, SEE DETAILS ON SHEET 6.

OBTAIN ANCHOR TYPE FROM SHEET 1 AND CONFIGURATION TO USE FROM ANCHOR CHARTS ON SHEETS 11-14.

MULLION SIZE AND CAPACITY TO BE OBTAINED FROM CHARTS ON SHEET 18.

LOWEST APPLICABLE VALUE FROM THE ABOVE WILL APPLY TO CONDITION REVIEWED.

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS).

Rev.

CONVERTED TO MATRIX FORMAT

Date

9/20/23

By:

LMY

WINDOOR[®]

INCORPORATED

WINDOOR INCORPORATED
104 TRIPLE DIAMOND BLVD
N VENICE, FL 34275
(833) 554-5432

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
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(941) 480-1600

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SGD560A

8 OF 21

SGD560A-LMI-FPA

SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)

1/25/23

DESIGN LOAD CAPACITY - GLASS - 2T

LOGAN YODER

Series

Desc.

Title

No.

DWG

Rev.#

A

PROFESSIONAL ENGINEER

★

ANTHONY LYNN MILLER

LICENSE

No. 58705

Anthony Lynn Miller

09/21/23

STATE OF FLORIDA

★

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

TABLE 11:

Glass Types: 1, 1A, 2 & 2A		Design Load Capacity - PSF (Glass)														
		Panel Width / Panel DLO Width														
3 Track Configuration	24-1/4" (Panel)	30-1/4" (Panel)	33-1/4" (Panel)	36-1/4" (Panel)	39-1/4" (Panel)	42-1/4" (Panel)	44-1/4" (Panel)	46-1/4" (Panel)	48-1/4" (Panel)	50-1/4" (Panel)	52-1/4" (Panel)	54-1/4" (Panel)	56-1/4" (Panel)	58-1/4" (Panel)	60-1/4" (Panel)	
W/O Reinforcement	16-1/4" (DLO)	22-1/4" (DLO)	25-1/4" (DLO)	28-1/4" (DLO)	31-1/4" (DLO)	34-1/4" (DLO)	36-1/4" (DLO)	38-1/4" (DLO)	40-1/4" (DLO)	42-1/4" (DLO)	44-1/4" (DLO)	46-1/4" (DLO)	48-1/4" (DLO)	50-1/4" (DLO)	52-1/4" (DLO)	
Frame Height	80"	+120/-130.5	+/-109.3	+/-101.6	+/-93.2	+/-86.1	+/-79.9	+/-76.3	+/-73	+/-70	+/-67.2	+/-64.6	+/-62.3	+/-60	+/-58	+/-56.1
	84"	+120/-130	+/-108.8	+/-101.2	+/-93.2	+/-86.1	+/-79.9	+/-76.3	+/-73	+/-70	+/-67.2	+/-64.6	+/-62.3	+/-60	+/-58	+/-56.1
	90"	+120/-128.6	+/-107.2	+/-99.5	+/-93.2	+/-86.1	+/-79.9	+/-76.3	+/-73	+/-70	+/-67.2	+/-64.6	+/-62.3	+/-60	+/-58	+/-56.1
	96"	+120/-127.4	+/-105.9	+/-98.9	+/-91.8	+/-86.1	+/-79.9	+/-76.3	+/-73	+/-70	+/-67.2	+/-64.6	+/-62.3	+/-60	+/-58	+/-56.1
	99"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-79.9	+/-76.3	+/-73	+/-70	+/-67.2	+/-64.6	+/-62.3	+/-60	+/-58	
	102"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-79.9	+/-76.3	+/-73	+/-70	+/-67.2	+/-64.6	+/-62.3	+/-60		
	105"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-79.9	+/-76.3	+/-73	+/-70	+/-67.2	+/-64.6	+/-62.3			
	108"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-79.4	+/-76.3	+/-73	+/-70	+/-67.2	+/-64.6				
	111"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-78.9	+/-76.2	+/-73	+/-70	+/-67.2					
	114"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-78.4	+/-75.7	+/-73	+/-70	+/-67.2					
	117"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-77.9	+/-75.2	+/-72.7	+/-70						
	120"	+/-80	+/-80	+/-80	+/-80	+/-80	+/-77.5	+/-74.8	+/-72.3	+/-70						

TABLE 12:

Glass Type: 2A		Design Load Capacity - PSF (Glass)														
		Panel Width / Panel DLO Width														
3 Track Configuration	24-1/4" (Panel)	30-1/4" (Panel)	33-1/4" (Panel)	36-1/4" (Panel)	39-1/4" (Panel)	42-1/4" (Panel)	44-1/4" (Panel)	46-1/4" (Panel)	48-1/4" (Panel)	50-1/4" (Panel)	52-1/4" (Panel)	54-1/4" (Panel)	56-1/4" (Panel)	58-1/4" (Panel)	60-1/4" (Panel)	
W/ Reinforcement	16-1/4" (DLO)	22-1/4" (DLO)	25-1/4" (DLO)	28-1/4" (DLO)	31-1/4" (DLO)	34-1/4" (DLO)	36-1/4" (DLO)	38-1/4" (DLO)	40-1/4" (DLO)	42-1/4" (DLO)	44-1/4" (DLO)	46-1/4" (DLO)	48-1/4" (DLO)	50-1/4" (DLO)	52-1/4" (DLO)	
Frame Height	80"	+120/-170	+120/-170	+120/-170	+120/-170	+120/-170	+120/-159.9	+120/-152.7	+120/-146.1	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+102.9/-120.1	+99.4/-116	+96.1/-112.1
	84"	+120/-170	+120/-170	+120/-170	+120/-170	+120/-170	+120/-159.9	+120/-152.7	+120/-146.1	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+102.9/-120.1	+99.4/-116	+96.1/-112.1
	90"	+120/-170	+120/-170	+120/-170	+120/-170	+120/-170	+120/-159.9	+120/-152.7	+120/-146.1	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+102.9/-120.1	+99.4/-116	+96.1/-112.1
	96"	+120/-170	+120/-170	+120/-170	+120/-170	+120/-170	+120/-159.9	+120/-152.7	+120/-146.1	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+102.9/-120.1	+99.4/-116	+96.1/-112.1
	99"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+102.9/-120.1	+99.4/-116	
	102"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+102.9/-120.1		
	105"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5			
	108"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3				
	111"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4					
	114"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4					
	117"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140						
	120"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140						

3-TRACK GLASS CAPACITY CHARTS

W/O REINFORCEMENTS: GLASS TYPES 1, 1A, 2 & 2A
W/ REINFORCEMENTS: GLASS TYPE 2A
(SEE GLASS DETAILS IN SHEET 6)

NOTES:
APPROPRIATE SILL RISER TO BE SELECTED FOR MAX. POSITIVE
DESIGN PRESSURE, SEE DETAILS ON SHEET 6.

OBTAIN ANCHOR TYPE FROM SHEET 1 AND CONFIGURATION TO
USE FROM ANCHOR CHARTS ON SHEETS 11-14.

MULLION SIZE AND CAPACITY TO BE OBTAINED FROM CHARTS ON
SHEET 18.

LOWEST APPLICABLE VALUE FROM THE ABOVE WILL APPLY TO
CONDITION REVIEWED.

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM
E1300-04 (3 SEC. GUSTS).

Rev.

CONVERTED TO MATRIX FORMAT

Date

9/20/23

By:

LMY

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104 TRIPLE DIAMOND BLVD
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PREPARED BY A. LYNN MILLER
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SGD560A

9 OF 21

SGD560-LMI-FPA

SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)

1/25/23

LOGAN YODER

DESIGN LOAD CAPACITY - GLASS - 3T

SGD560-LMI-FPA

Rev.#

A

PROFESSIONAL ENGINEER

ANTHONY LYNN MILLER

LICENSE

No. 58705

09/21/23

STATE OF FLORIDA

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

TABLE 13:

Glass Type: 2		Design Load Capacity - PSF (Glass)														
		Panel Width / Panel DLO Width														
3 Track Configuration		24-1/4" (Panel)	30-1/4" (Panel)	33-1/4" (Panel)	36-1/4" (Panel)	39-1/4" (Panel)	42-1/4" (Panel)	44-1/4" (Panel)	46-1/4" (Panel)	48-1/4" (Panel)	50-1/4" (Panel)	52-1/4" (Panel)	54-1/4" (Panel)	56-1/4" (Panel)	58-1/4" (Panel)	60-1/4" (Panel)
W/ Reinforcement		16-1/4" (DLO)	22-1/4" (DLO)	25-1/4" (DLO)	28-1/4" (DLO)	31-1/4" (DLO)	34-1/4" (DLO)	36-1/4" (DLO)	38-1/4" (DLO)	40-1/4" (DLO)	42-1/4" (DLO)	44-1/4" (DLO)	46-1/4" (DLO)	48-1/4" (DLO)	50-1/4" (DLO)	52-1/4" (DLO)
Frame Height	80"	+120/-170	+120/-170	+120/-170	+120/-170	+120/-170	+120/-159.9	+120/-152.7	+120/-146.1	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	84"	+120/-170	+120/-170	+120/-170	+120/-170	+120/-170	+120/-159.9	+120/-152.7	+120/-146.1	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	90"	+120/-170	+120/-170	+120/-170	+120/-170	+120/-170	+120/-159.9	+120/-152.7	+120/-146.1	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	96"	+120/-170	+120/-170	+120/-170	+120/-170	+120/-170	+120/-159.9	+120/-152.7	+120/-146.1	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	99"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+/-105
	102"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+/-105	+/-105
	105"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+/-105	+/-105	+/-105
	108"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+/-105	+/-105	+/-105	+/-105
	111"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+/-105	+/-105	+/-105	+/-105	+/-105
	114"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+/-105	+/-105	+/-105	+/-105	+/-105
	117"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+/-105	+/-105	+/-105	+/-105	+/-105	+/-105
	120"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+/-105	+/-105	+/-105	+/-105	+/-105	+/-105

TABLE 14:

Glass Type: 2.1		Design Load Capacity - PSF (Glass)														
		Panel Width / Panel DLO Width														
3 Track Configuration		24-1/4" (Panel)	30-1/4" (Panel)	33-1/4" (Panel)	36-1/4" (Panel)	39-1/4" (Panel)	42-1/4" (Panel)	44-1/4" (Panel)	46-1/4" (Panel)	48-1/4" (Panel)	50-1/4" (Panel)	52-1/4" (Panel)	54-1/4" (Panel)	56-1/4" (Panel)	58-1/4" (Panel)	60-1/4" (Panel)
W/ Reinforcement		16-1/4" (DLO)	22-1/4" (DLO)	25-1/4" (DLO)	28-1/4" (DLO)	31-1/4" (DLO)	34-1/4" (DLO)	36-1/4" (DLO)	38-1/4" (DLO)	40-1/4" (DLO)	42-1/4" (DLO)	44-1/4" (DLO)	46-1/4" (DLO)	48-1/4" (DLO)	50-1/4" (DLO)	52-1/4" (DLO)
Frame Height	80"	+120/-170	+120/-170	+120/-170	+120/-170	+120/-170	+120/-159.9	+120/-152.7	+120/-146.1	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	84"	+120/-170	+120/-170	+120/-170	+120/-170	+120/-170	+120/-159.9	+120/-152.7	+120/-146.1	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	90"	+120/-170	+120/-170	+120/-170	+120/-170	+120/-170	+120/-159.9	+120/-152.7	+120/-146.1	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	96"	+120/-170	+120/-170	+120/-170	+120/-170	+120/-170	+120/-159.9	+120/-152.7	+120/-146.1	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+105/-112.1
	99"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+105/-116	+/-105
	102"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+105/-120.1	+/-105	+/-105
	105"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+106.7/-124.5	+/-105	+/-105	+/-105
	108"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+110.8/-129.3	+/-105	+/-105	+/-105	+/-105
	111"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+/-105	+/-105	+/-105	+/-104	+/-102
	114"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+115.2/-134.4	+/-105	+/-105	+/-104	+/-101	+/-99.5
	117"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+/-105	+/-105	+/-105	+/-102	+/-99.2	+/-96.7
	120"	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+120/-140	+/-105	+/-105	+/-103	+/-100	+/-97.2	+/-94.6

3-TRACK GLASS CAPACITY CHARTS

W/ REINFORCEMENTS: GLASS TYPES 2 & 2.1
(SEE GLASS DETAILS IN SHEET 6)

NOTES:
APPROPRIATE SILL RISER TO BE SELECTED FOR MAX. POSITIVE
DESIGN PRESSURE, SEE DETAILS ON SHEET 6.

OBTAIN ANCHOR TYPE FROM SHEET 1 AND CONFIGURATION TO
USE FROM ANCHOR CHARTS ON SHEETS 11-14.

MULLION SIZE AND CAPACITY TO BE OBTAINED FROM CHARTS ON
SHEET 18.

LOWEST APPLICABLE VALUE FROM THE ABOVE WILL APPLY TO
CONDITION REVIEWED.

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM
E1300-04 (3 SEC. GUSTS).

LMY

By:

9/20/23

Date

CONVERTED TO MATRIX FORMAT

Rev.

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

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SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)

Date1/25/23

DESIGN LOAD CAPACITY - GLASS - 3T

By Logan Yoder

SGD560A

10 OF 21

SGD560-LMI-FPA

Series

Desc.

No.

Sheet

Rev.#

A

ANTHONY LYNN MILLER
LICENSE
No. 58705
09/21/23
STATE OF
FLORIDA

PROFESSIONAL ENGINEER

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

TABLE 15:

DESIGN LOAD CAPACITY – PSF (ANCHORS AT HEAD/SILL)																
PANEL WIDTH INCHES	DOOR HEIGHT INCHES	ANCHOR TYPE 'D'			ANCH. TYPE 'E'		ANCH. TYPE 'D' & 'E'			ANCHORS TYPE 'D' & 'E'				ANCHOR TYPE 'A'		
		1/4" SHIM SPACE			1/4" SHIM		3/8" SHIM SPACE			1/2" SHIM SPACE				1/4" SHIM SPACE		
		CLUSTER OF			CLUSTER OF		CLUSTER OF			CLUSTER OF				CLUSTER OF		
		5	7	9	5	7	5	7	9	5	7	9	11	5	7	9
24–1/4	80	140.0	–	–	140.0	–	140.0	–	–	140.0	–	–	–	140.0	–	–
30–1/4		140.0	140.0	–	140.0	140.0	140.0	140.0	–	122.3	140.0	–	–	140.0	140.0	–
36–1/4		140.0	140.0	–	140.0	140.0	140.0	140.0	–	122.5	140.0	–	–	140.0	140.0	–
42–1/4		140.0	140.0	–	140.0	140.0	133.5	140.0	–	105.1	140.0	–	–	140.0	140.0	–
48–1/4		130.3	140.0	140.0	140.0	140.0	116.9	140.0	140.0	92.0	122.7	140.0	140.0	140.0	140.0	140.0
54–1/4		115.9	124.5	124.5	124.5	124.5	104.0	124.5	124.5	81.9	109.1	124.5	124.5	124.5	124.5	124.5
60–1/4		104.3	112.1	112.1	112.1	112.1	93.6	112.1	112.1	73.7	98.3	112.1	112.1	112.1	112.1	112.1
24–1/4	84	140.0	–	–	140.0	–	140.0	–	–	140.0	–	–	–	140.0	–	–
30–1/4		140.0	140.0	–	140.0	140.0	140.0	140.0	–	116.5	140.0	–	–	140.0	140.0	–
36–1/4		140.0	140.0	–	140.0	140.0	140.0	140.0	–	116.7	140.0	–	–	140.0	140.0	–
42–1/4		140.0	140.0	–	140.0	140.0	127.1	140.0	–	100.1	133.5	–	–	140.0	140.0	–
48–1/4		124.1	140.0	140.0	140.0	140.0	11.3	140.0	140.0	87.7	116.9	140.0	140.0	136.2	140.0	140.0
54–1/4		110.3	124.5	124.5	124.5	124.5	99.0	124.5	124.5	78.0	104.0	124.5	124.5	121.2	124.5	124.5
60–1/4		99.4	112.1	112.1	112.1	112.1	89.1	112.1	112.1	70.2	93.6	112.1	112.1	109.1	112.1	112.1
24–1/4	90	140.0	–	–	140.0	–	140.0	–	–	135.7	–	–	–	140.0	–	–
30–1/4		140.0	140.0	–	140.0	140.0	138.1	140.0	–	108.7	140.0	–	–	140.0	140.0	–
36–1/4		140.0	140.0	–	140.0	140.0	138.3	140.0	–	108.9	140.0	–	–	140.0	140.0	–
42–1/4		132.2	140.0	–	140.0	140.0	118.7	140.0	–	93.4	124.6	–	–	140.0	140.0	–
48–1/4		115.8	140.0	140.0	140.0	140.0	103.9	138.5	140.0	81.8	109.1	136.4	140.0	127.1	140.0	140.0
54–1/4		103.0	124.5	124.5	124.5	124.5	92.4	123.2	124.5	72.8	97.0	121.3	121.3	113.1	124.5	124.5
60–1/4		92.7	112.1	112.1	112.1	112.1	83.2	110.9	112.1	65.5	87.4	109.2	112.1	101.8	112.1	112.1
24–1/4	96	140.0	–	–	140.0	–	140.0	–	–	127.2	–	–	–	140.0	–	–
30–1/4		140.0	140.0	–	140.0	140.0	129.5	140.0	–	102.0	140.0	–	–	140.0	140.0	–
36–1/4		140.0	140.0	–	140.0	140.0	129.6	140.0	–	102.1	136.1	–	–	140.0	140.0	–
42–1/4		124.0	140.0	–	140.0	140.0	111.2	140.0	–	87.6	116.8	–	–	136.1	140.0	–
48–1/4		108.6	140.0	140.0	132.1	140.0	97.4	129.9	140.0	76.7	102.3	127.8	140.0	119.2	140.0	140.0
54–1/4		96.6	124.5	124.5	117.5	124.5	86.6	115.5	124.5	68.2	91.0	113.7	124.5	106.0	124.5	124.5
60–1/4		86.9	112.1	112.1	105.8	112.1	78.0	104.0	112.1	61.4	81.9	102.4	112.1	95.5	112.1	112.1
24–1/4	102	140.0	–	–	140.0	–	140.0	–	–	119.7	–	–	–	140.0	–	–
30–1/4		135.8	140.0	–	140.0	140.0	121.9	140.0	–	96.0	134.3	–	–	140.0	140.0	–
36–1/4		136.0	140.0	–	140.0	140.0	122.0	140.0	–	96.1	128.1	–	–	140.0	140.0	–
42–1/4		116.7	140.0	–	140.0	140.0	104.7	139.6	–	82.4	109.9	–	–	128.1	140.0	–
48–1/4		102.2	136.2	140.0	124.3	140.0	91.7	122.2	140.0	72.2	96.3	120.3	140.0	112.2	140.0	140.0
54–1/4		90.9	121.2	124.5	110.5	124.5	81.5	108.7	124.5	64.2	85.6	107.0	124.5	99.8	124.5	124.5
60–1/4		81.8	105.0	105.0	99.5	105.0	73.4	97.9	105.0	57.8	77.1	96.4	105.0	89.8	105.0	105.0
24–1/4	108	140.0	–	–	140.0	–	140.0	–	–	113.0	–	–	–	140.0	–	–
30–1/4		128.3	140.0	–	140.0	140.0	115.1	140.0	–	90.6	126.9	–	–	140.0	140.0	–
36–1/4		128.4	140.0	–	140.0	140.0	115.2	140.0	–	90.7	121.0	–	–	140.0	140.0	–
42–1/4		110.2	140.0	–	134.1	140.0	98.9	131.8	–	77.9	103.8	–	–	121.0	140.0	–
48–1/4		96.5	128.7	140.0	117.4	140.0	86.6	115.4	140.0	68.2	90.9	113.6	136.4	105.9	140.0	140.0
54–1/4		85.8	105.0	105.0	104.4	105.0	77.0	102.7	105.0	60.6	80.9	101.0	105.0	94.2	105.0	105.0
60–1/4		77.3	103.0	105.0	94.0	105.0	69.3	92.5	105.0	54.6	72.8	91.0	105.0	84.8	105.0	105.0
24–1/4	114	140.0	–	–	140.0	–	136.0	–	–	107.1	–	–	–	140.0	–	–
30–1/4		121.5	140.0	–	140.0	140.0	109.0	140.0	–	85.9	120.2	–	–	133.4	140.0	–
36–1/4		121.7	140.0	–	140.0	140.0	109.2	140.	–	86.0	114.6	–	–	133.6	140.0	–
42–1/4		104.4	139.2	–	127.0	140.0	93.7	124.9	–	73.8	98.3	–	–	114.6	140.0	–
48–1/4		91.4	121.9	140.0	111.2	140.0	82.0	109.4	136.7	64.6	86.1	107.6	1292	100.4	133.8	140.0
54–1/4		81.3	105.0	105.0	98.9	105.0	73.0	97.3	105.0	57.4	76.6	95.7	105.0	89.3	105.0	105.0
60–1/4		73.2	97.6	105.0	89.1	105.0	65.7	87.6	105.0	51.7	69.0	86.2	103.5	80.4	105.0	105.0
24–1/4	120	140.0	–	–	140.0	–	129.2	–	–	101.7	–	–	–	140.0	–	–
30–1/4		115.4	140.0	–	140.0	140.0	103.6	140.0	–	816	114.2	–	–	126.7	140.0	–
36–1/4		115.6	140.0	–	140.0	140.0	103.7	138.3	–	81.7	108.9	–	–	126.9	140.0	–
42–1/4		99.2	132.2	–	120.7	140.0	89.0	118.7	–	70.1	93.4	–	–	106.9	140.0	–
48–1/4		86.8	115.8	140.0	105.6	140.0	77.9	103.9	129.9	61.4	81.8	102.3	122.7	95.4	127.1	140.0
54–1/4		77.2	103.0	105.0	94.0	105.0	69.3	92.4	105.0	54.6	72.8	91.0	105.0	84.8	105.0	105.0
60–1/4		69.6	92.7	105.0	84.6	105.0	62.4	83.2	104.0	49.1	65.5	81.9	98.3	76.4	101.8	105.0

INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ACCEPTABLE

2 TRACK HEAD/SILL ANCHORAGE CAPACITY CHARTS

NOTE:
SEE SHEET 1 FOR ANCHOR TYPES.
ANCHOR CAPACITIES LISTED ON THIS
SHEET TO BE USED IN CONJUNCTION
WITH GLASS/REINFORCING AND MULLION
CHARTS IN THIS DOCUMENT.
LOWER APPLICABLE VALUES CONTROL.

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

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WINDOOR INCORPORATED
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SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)

2T ANCHORAGE CAPACITY CHARTS

LOGAN YODER

By

1/25/23

Date

11 OF 21

Sheet

SGD560A

Desc.

DWG

No.

SGD560-LMI-FPA

Rev. #

A

Rev. #

ANTHONY LYNN MILLER

LICENSE

No. 58705

09/21/23

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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

Rev.

NO CHANGES THIS SHEET

Date

9/20/23

By:

LMY

DESIGN LOAD CAPACITY – PSF (ANCHORS AT HEAD/SILL)													
PANEL WIDTH INCHES	DOOR HEIGHT INCHES	ANCHOR TYPE 'B'			ANCH. TYPE 'C'		ANCH. TYPE 'B' & 'C'			ANCHORS TYPE 'B' & 'C'			
		1/4" SHIM SPACE			1/4" SHIM		3/8" SHIM SPACE			1/2" SHIM SPACE			
		CLUSTER OF			CLUSTER OF		CLUSTER OF			CLUSTER OF			
		5	7	9	5	7	5	7	9	5	7	9	11
24–1/4	80	140.0	–	–	140.0	–	140.0	–	–	140.0	–	–	–
30–1/4		140.0	140.0	–	140.0	140.0	140.0	140.0	–	117.3	140.0	–	–
36–1/4		140.0	140.0	–	140.0	140.0	140.0	140.0	–	117.4	140.0	–	–
42–1/4		140.0	140.0	–	140.0	140.0	128.8	140.0	–	100.8	134.4	–	–
48–1/4		127.6	140.0	140.0	140.0	140.0	112.8	140.0	140.0	88.2	117.6	140.0	140.0
54–1/4		113.5	124.5	124.5	124.5	124.5	100.3	124.5	124.5	78.5	104.6	124.5	124.5
60–1/4		102.2	112.1	112.1	112.1	112.1	90.3	112.1	112.1	70.7	94.2	112.1	112.1
24–1/4	84	140.0	–	–	140.0	–	140.0	–	–	139.3	–	–	–
30–1/4		140.0	140.0	–	140.0	140.0	140.0	140.0	–	111.7	140.0	–	–
36–1/4		140.0	140.0	–	140.0	140.0	140.0	140.0	–	11.9	140.0	–	–
42–1/4		138.8	140.0	–	140.0	140.0	122.7	140.0	–	96.0	128.0	–	–
48–1/4		121.5	140.0	140.0	140.0	140.0	107.4	140.0	140.0	84.0	112.0	140.0	140.0
54–1/4		108.1	124.5	124.5	124.5	124.5	95.6	124.5	124.5	74.7	99.7	124.5	124.5
60–1/4		97.3	112.1	112.1	112.1	112.1	86.0	112.1	112.1	67.3	89.7	112.1	112.1
24–1/4	90	140.0	–	–	140.0	–	140.0	–	–	130.0	–	–	–
30–1/4		140.0	140.0	–	140.0	140.0	133.3	140.0	–	104.3	140.0	–	–
36–1/4		140.0	140.0	–	140.0	140.0	133.5	140.0	–	104.4	139.2	–	–
42–1/4		129.5	140.0	–	140.0	140.0	114.5	140.0	–	89.6	119.4	–	–
48–1/4		113.4	140.0	140.0	133.7	140.0	100.3	133.7	140.0	78.4	104.6	130.7	140.0
54–1/4		100.9	124.5	124.5	118.9	124.5	89.2	118.9	124.5	69.8	93.0	116.3	124.5
60–1/4		90.8	112.1	112.1	107.1	112.1	80.3	107.1	112.1	62.8	83.7	104.7	112.1
24–1/4	96	140.0	–	–	140.0	–	140.0	–	–	121.9	–	–	–
30–1/4		140.0	140.0	–	140.0	140.0	125.0	140.0	–	97.7	136.8	–	–
36–1/4		140.0	140.0	–	140.0	140.0	125.1	10.0	–	97.9	130.5	–	–
42–1/4		121.4	140.0	–	140.0	140.0	107.4	140.0	–	84.0	112.0	–	–
48–1/4		106.3	10.0	140.0	125.3	140.0	94.0	125.3	140.0	73.5	98.0	122.5	140.0
54–1/4		94.6	124.5	124.5	111.5	124.5	83.6	111.5	124.5	65.4	87.2	109.0	124.5
60–1/4		85.1	112.1	112.1	100.4	112.1	75.3	100.4	112.1	58.9	78.5	98.1	112.1
24–1/4	102	140.0	–	–	140.0	–	140.0	–	–	114.7	–	–	–
30–1/4		133.0	140.0	–	140.0	140.0	117.6	140.0	–	92.0	128.8	–	–
36–1/4		133.2	140.0	–	140.0	140.0	117.8	140.0	–				

2 TRACK HEAD/SILL ANCHORAGE CAPACITY CHARTS

Rev.	NO CHANGES THIS SHEET	Date	9/20/23	By:	LMY

WInDoor® INCORPORATED		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
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SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI) Date 1/25/23	Drawn By LOGAN YODER		
2T ANCHORAGE CAPACITY CHARTS Series Desc.	Sheet 12 OF 21	DWG No. SGD560-LMI-FPA	Rev # A

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

TABLE 17:

DESIGN LOAD CAPACITY – PSF (ANCHORS AT HEAD/SILL)																		
PANEL WIDTH INCHES	DOOR HEIGHT INCHES	ANCHOR TYPE 'A'			ANCHOR TYPE 'B'			ANCHOR TYPE 'C'			ANCHORS TYPE 'B' & 'C'				ANCHORS TYPE 'B' & 'C'			
		1/4" SHIM SPACE			1/4" SHIM SPACE			1/4" SHIM SPACE			3/8" SHIM SPACE				1/2" SHIM SPACE			
		CLUSTER OF			CLUSTER OF			CLUSTER OF			CLUSTER OF				CLUSTER OF			
		4	6	8	4	6	8	4	6	8	4	6	8	10	6	8	10	12
24–1/4	80	170.0	170.0	170.0	167.5	170.0	170.0	170.0	170.0	170.0	150.5	170.0	170.0	170.0	170.0	170.0	170.0	–
30–1/4		152.8	170.0	170.0	134.2	170.0	170.0	159.9	170.0	170.0	120.7	170.0	170.0	170.0	141.7	170.0	170.0	–
36–1/4		170.0	170.0	170.0	168.0	170.0	170.0	170.0	170.0	170.0	151.1	170.0	170.0	170.0	157.6	170.0	170.0	170.0
42–1/4		159.9	159.9	159.9	144.2	159.9	159.9	159.9	159.9	159.9	129.6	159.9	159.9	159.9	135.2	159.9	159.9	159.9
48–1/4		140.0	140.0	140.0	126.2	140.0	140.0	140.0	140.0	140.0	113.5	140.0	140.0	140.0	118.4	140.0	140.0	140.0
54–1/4		124.5	124.5	124.5	112.3	124.5	124.5	124.5	124.5	124.5	100.9	124.5	124.5	124.5	105.3	124.5	124.5	124.5
60–1/4		112.1	112.1	112.1	101.1	112.1	112.1	112.1	112.1	112.1	90.9	112.1	112.1	112.1	94.8	112.1	112.1	112.1
24–1/4	84	170.0	170.0	170.0	159.5	170.0	170.0	170.0	170.0	170.0	143.4	170.0	170.0	170.0	168.3	170.0	170.0	–
30–1/4		145.5	170.0	170.0	127.8	170.0	170.0	152.3	170.0	170.0	114.9	170.0	170.0	170.0	134.9	170.0	170.0	–
36–1/4		170.0	170.0	170.0	160.0	170.0	170.0	170.0	170.0	170.0	143.9	170.0	170.0	170.0	150.1	170.0	170.0	170.0
42–1/4		156.3	159.9	159.9	137.3	159.9	159.9	159.9	159.9	159.9	123.4	159.9	159.9	159.9	128.8	159.9	159.9	159.9
48–1/4		136.9	140.0	140.0	120.2	140.0	140.0	140.0	140.0	140.0	108.1	140.0	140.0	140.0	112.8	140.0	140.0	140.0
54–1/4		121.7	124.5	124.5	106.9	124.5	124.5	124.5	124.5	124.5	96.1	124.5	124.5	124.5	100.3	124.5	124.5	124.5
60–1/4		109.6	112.1	112.1	96.3	112.1	112.1	112.1	112.1	112.1	86.6	112.1	112.1	112.1	90.3	112.1	112.1	112.1
24–1/4	90	169.4	170.0	170.0	148.8	170.0	170.0	170.0	170.0	170.0	133.8	170.0	170.0	170.0	157.1	170.0	170.0	–
30–1/4		135.8	170.0	170.0	119.3	170.0	170.0	142.2	170.0	170.0	107.3	160.9	170.0	170.0	125.9	167.9	170.0	–
36–1/4		170.0	170.0	170.0	149.4	170.0	170.0	170.0	170.0	170.0	134.3	170.0	170.0	170.0	140.1	170.0	170.0	170.0
42–1/4		145.9	159.9	159.9	128.2	159.9	159.9	152.7	159.9	159.9	115.2	153.6	159.9	159.9	120.2	150.3	159.9	159.9
48–1/4		127.7	140.0	140.0	112.2	140.0	140.0	133.7	140.0	140.0	100.9	134.5	140.0	140.0	105.3	131.6	140.0	140.0
54–1/4		113.6	124.5	124.5	99.8	124.5	124.5	118.9	124.5	124.5	89.7	119.6	124.5	124.5	93.6	117.0	124.5	124.5
60–1/4		102.3	112.1	112.1	89.9	112.1	112.1	107.1	112.1	112.1	80.8	107.7	112.1	112.1	84.3	105.4	112.1	112.1
24–1/4	96	158.8	170.0	170.0	139.5	170.0	170.0	166.3	170.0	170.0	125.4	170.0	170.0	170.0	147.3	170.0	170.0	–
30–1/4		127.3	170.0	170.0	111.9	167.8	170.0	133.3	170.0	170.0	100.6	150.8	170.0	170.0	118.1	157.4	170.0	–
36–1/4		159.4	170.0	170.0	140.0	170.0	170.0	166.8	170.0	170.0	125.9	167.8	170.0	170.0	131.4	164.2	170.0	170.0
42–1/4		136.8	159.9	159.9	120.1	159.9	159.9	143.1	159.9	159.9	108.0	144.0	159.9	159.9	112.7	140.9	159.9	159.9
48–1/4		119.8	140.0	140.0	105.2	140.0	140.0	125.3	140.0	140.0	94.6	126.1	140.0	140.0	98.7	123.4	140.0	140.0
54–1/4		106.5	124.5	124.5	93.6	124.5	124.5	111.5	124.5	124.5	84.1	112.1	124.5	124.5	87.8	109.7	124.5	124.5
60–1/4		95.9	112.1	112.1	84.2	112.1	112.1	100.4	112.1	112.1	75.7	101.0	112.1	112.1	79.0	98.8	112.1	112.1
24–1/4	102	140.0	140.0	140.0	131.3	140.0	140.0	140.0	140.0	140.0	118.1	140.0	140.0	140.0	138.6	140.0	140.0	–
30–1/4		119.8	140.0	140.0	105.3	140.0	140.0	125.4	140.0	140.0	94.6	140.0	140.0	140.0	111.1	140.0	140.0	–
36–1/4		140.0	140.0	140.0	131.8	140.0	140.0	140.0	140.0	140.0	118.5	140.0	140.0	140.0	123.6	140.0	140.0	140.0
42–1/4		128.7	140.0	140.0	113.1	140.0	140.0	134.7	140.0	140.0	101.6	135.5	140.0	140.0	106.1	132.6	140.0	140.0
48–1/4		112.7	140.0	140.0	99.0	132.0	140.0	118.0	140.0	140.0	89.0	118.7	140.0	140.0	92.9	116.1	139.3	140.0
54–1/4		100.2	124.5	124.5	88.1	117.4	124.5	104.9	124.5	124.5	79.2	105.6	124.5	124.5	82.6	103.3	123.9	124.5
60–1/4		90.3	105.0	105.0	79.3	105.0	105.0	94.5	105.0	105.0	71.3	95.0	105.0	105.0	74.4	90.0	105.0	105.0
24–1/4	108	140.0	140.0	140.0	124.0	140.0	140.0	140.0	140.0	140.0	111.5	140.0	140.0	140.0	130.9	140.0	140.0	–
30–1/4		113.2	140.0	140.0	99.4	140.0	140.0	118.5	140.0	140.0	89.4	134.1	140.0	140.0	104.9	139.9	140.0	–
36–1/4		140.0	140.0	140.0	124.5	140.0	140.0	140.0	140.0	140.0	111.9	140.0	140.0	140.0	116.8	140.0	140.0	140.0
42–1/4		121.6	140.0	140.0	106.8	140.0	140.0	127.2	140.0	140.0	96.0	128.0	140.0	140.0	100.2	125.2	140.0	140.0
48–1/4		106.4	140.0	140.0	93.5	124.7	140.0	111.4	140.0	140.0	84.1	112.1	140.0	140.0	87.7	109.7	131.6	140.0
54–1/4		94.7	105.0	105.0	83.2	105.0	105.0	99.1	105.0	105.0	74.8	99.7	105.0	105.0	78.0	90.0	105.0	105.0
60–1/4		85.2	105.0	105.0	74.9	99.9	105.0	89.2	105.0	105.0	67.3	89.8	105.0	105.0	70.2	87.8	105.0	105.0
24–1/4	114	133.8	140.0	140.0	117.5	140.0	140.0	140.0	140.0	140.0	105.6	140.0	140.0	140.0	124.0	140.0	140.0	–
30–1/4		107.2	140.0	140.0	94.2	140.0	140.0	112.1	140.0	140.0	84.7	127.0	140.0	140.0	99.4	132.6	140.0	–
36–1/4		134.2	140.0	140.0	117.9	140.0	140.0	140.0	140.0	140.0	106.0	140.0	140.0	140.0	110.6	138.3	140.0	140.0
42–1/4		115.2	140.0	140.0	101.2	134.9	140.0	120.5	140.0	140.0	90.9	121.3	140.0	140.0	94.9	118.6	140.0	140.0
48–1/4		100.8	134.5	140.0	88.6	118.1	140.0	105.6	140.0	140.0	79.6	106.2	132.7	140.0	83.1	103.9	124.7	140.0
54–1/4		89.7	105.0	105.0	78.8	105.0	105.0	93.9	105.0	105.0	70.8	94.4	105.0	105.0	73.9	90.0	105.0	105.0
60–1/4		80.8	105.0	105.0	70.9	94.6	105.0	84.5	105.0	105.0	63.8	85.0	105.0	105.0	66.6	83.2	99.8	105.0
24–1/4	120	127.1	140.0	140.0	111.6	140.0	140.0	133.0	140.0	140.0	100.4	140.0	140.0	140.0	117.8	140.0	140.0	–
30–1/4		101.9	140.0	140.0	89.5	134.2	140.0	106.6	140.0	140.0	80.4	120.7	140.0	140.0	94.4	125.9	140.0	–
36–1/4		127.5	140.0	140.0	112.0	140.0	140.0	133.5	140.0	140.0	100.7	134.3	140.0	140.0	105.1	131.4	140.0	140.0
42–1/4		109.4	140.0	140.0	96.1	128.2	140.0	114.5	140.0	140.0	86.4	115.2	140.0	140.0	90.2	112.7	135.2	140.0
48–1/4		95.8	127.7	140.0	84.2	112.2	140.0	100.3	133.7	140.0	75.7	100.9	126.1	140.0	78.9	98.7	118.4	138.2
54–1/4		85.2	105.0	105.0	74.9	99.8	105.0	89.2	105.0	105.0	67.3	89.7	105.0	105.0	70.2	87.8	105.0	105.0
60–1/4		76.7	102.3	105.0	67.4	89.9	105.0	80.3	105.0	105.0	60.6	80.8	105.0	105.0	63.2	79.0	94.8	105.0

INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ACCEPTABLE

3 TRACK HEAD/SILL ANCHORAGE CAPACITY CHARTS

NOTE:
SEE SHEET 1 FOR ANCHOR TYPES.
ANCHOR CAPACITIES LISTED ON THIS
SHEET TO BE USED IN CONJUNCTION
WITH GLASS/REINFORCING AND MULLION
CHARTS IN THIS DOCUMENT.
LOWER APPLICABLE VALUES CONTROL.

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

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WINDOOR INCORPORATED
104 TRIPLE DIAMOND BLVD
N VENICE, FL 34275
(833) 554-5432

SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)

1/25/23

3T ANCHORAGE CAPACITY CHARTS

LOGAN YODER

SGD560A

13 OF 21

SGD560-LMI-FPA

Rev. #

A

TABLE 18:

DESIGN LOAD CAPACITY – PSF (ANCHORS AT HEAD/SILL)												
PANEL WIDTH INCHES	DOOR HEIGHT INCHES	ANCH. TYPE D		ANCH. TYPE E		ANCH. TYPE D & E			ANCHORS TYPE D & E			
		1/4” SHIM		1/4” SHIM		3/8” SHIM SPACE			1/2” SHIM SPACE			
		CLUSTER OF		CLUSTER OF		CLUSTER OF			CLUSTER OF			
		4	6	4	6	4	6	8	6	8	10	12
24–1/4	80	170.0	170.0	170.0	170.0	155.0	170.0	170.0	170.0	170.0	170.0	–
30–1/4		163.3	170.0	170.0	170.0	124.3	170.0	170.0	146.8	170.0	170.0	–
36–1/4		170.0	170.0	170.0	170.0	155.6	170.0	170.0	163.3	170.0	170.0	170.0
42–1/4		159.9	159.9	159.9	159.9	133.5	159.9	159.9	140.1	159.9	159.9	159.9
48–1/4		140.0	140.0	140.0	140.0	116.9	140.0	140.0	122.7	140.0	140.0	140.0
54–1/4		124.5	124.5	124.5	124.5	104.0	124.5	124.5	109.1	124.5	124.5	124.5
60–1/4		112.1	112.1	112.1	112.1	93.6	112.1	112.1	98.3	112.1	112.1	112.1
24–1/4	84	170.0	170.0	170.0	170.0	147.7	170.0	170.0	170.0	170.0	170.0	–
30–1/4		155.5	170.0	170.0	170.0	118.4	170.0	170.0	139.8	170.0	170.0	–
36–1/4		170.0	170.0	170.0	170.0	148.2	170.0	170.0	155.6	170.0	170.0	170.0
42–1/4		159.9	159.9	159.9	159.9	127.1	159.9	159.9	133.5	159.9	159.9	159.9
48–1/4		140.0	140.0	140.0	140.0	111.3	140.0	140.0	116.9	140.0	140.0	140.0
54–1/4		124.5	124.5	124.5	124.5	99.0	124.5	124.5	104.0	124.5	124.5	124.5
60–1/4		112.1	112.1	112.1	112.1	89.1	112.1	112.1	93.6	112.1	112.1	112.1
24–1/4	90	170.0	170.0	170.0	170.0	137.8	170.0	170.0	162.8	170.0	170.0	–
30–1/4		145.1	170.0	170.0	170.0	110.5	165.7	170.0	130.5	170.0	170.0	–
36–1/4		170.0	170.0	170.0	170.0	138.3	170.0	170.0	145.2	170.0	170.0	170.0
42–1/4		159.9	159.9	159.9	159.9	118.7	158.2	159.9	124.6	155.7	159.9	159.9
48–1/4		136.5	140.0	140.0	140.0	103.9	138.5	140.0	109.1	136.4	140.0	140.0
54–1/4		121.4	124.5	124.5	124.5	92.4	123.2	124.5	97.0	121.3	124.5	124.5
60–1/4		109.3	112.1	112.1	112.1	83.2	110.9	112.1	87.4	109.2	112.1	112.1
24–1/4	96	169.7	170.0	170.0	170.0	129.2	170.0	170.0	152.6	170.0	170.0	–
30–1/4		136.1	170.0	159.5	170.0	103.6	155.4	170.0	122.3	163.1	170.0	–
36–1/4		170.0	170.0	170.0	170.0	129.6	170.0	170.0	136.1	170.0	170.0	170.0
42–1/4		146.1	159.9	159.9	159.9	111.2	148.3	159.9	116.8	146.0	159.9	159.9
48–1/4		128.0	140.0	140.0	140.0	97.4	129.9	140.0	102.3	127.8	140.0	140.0
54–1/4		113.8	124.5	124.5	124.5	86.6	115.5	124.5	91.0	113.7	124.5	124.5
60–1/4		102.5	112.1	112.1	112.1	78.0	104.0	112.1	81.9	102.4	112.1	112.1
24–1/4	102	140.0	140.0	140.0	140.0	121.6	140.0	140.0	140.0	140.0	140.0	–
30–1/4		128.1	140.0	140.0	140.0	97.5	140.0	140.0	115.1	140.0	140.0	–
36–1/4		140.0	140.0	140.0	140.0	122.0	140.0	140.0	128.1	140.0	140.0	140.0
42–1/4		137.5	140.0	140.0	140.0	104.7	139.6	140.0	109.9	137.4	140.0	140.0
48–1/4		120.4	140.0	140.0	140.0	91.7	122.2	140.0	96.3	120.3	140.0	140.0
54–1/4		107.1	124.5	124.5	124.5	81.5	108.7	124.5	85.6	107.0	124.5	124.5
60–1/4		96.4	105.0	105.0	105.0	73.4	97.9	105.0	77.1	90.0	105.0	105.0
24–1/4	108	140.0	140.0	140.0	140.0	114.8	140.0	140.0	135.7	140.0	140.0	–
30–1/4		120.9	140.0	140.0	140.0	92.1	138.1	140.0	108.7	140.0	140.0	–
36–1/4		140.0	140.0	140.0	140.0	115.2	140.0	140.0	121.0	140.0	140.0	140.0
42–1/4		129.9	140.0	140.0	140.0	98.9	131.8	140.0	103.8	129.8	140.0	140.0
48–1/4		113.7	140.0	133.3	140.0	86.6	115.4	140.0	90.9	113.6	136.4	140.0
54–1/4		101.2	105.0	105.0	105.0	77.0	102.7	105.0	80.9	90.0	105.0	105.0
60–1/4		91.1	105.0	105.0	105.0	69.3	92.5	105.0	72.8	90.0	105.0	105.0
24–1/4	114	140.0	140.0	140.0	140.0	108.8	140.0	140.0	128.5	140.0	140.0	–
30–1/4		114.6	140.0	134.3	140.0	87.2	103.8	140.0	103.0	137.4	140.0	–
36–1/4		140.0	140.0	140.0	140.0	109.2	140.0	140.0	114.6	140.0	140.0	140.0
42–1/4		123.1	140.0	140.0	140.0	93.7	124.9	140.0	98.3	122.9	140.0	140.0
48–1/4		107.8	140.0	126.3	140.0	82.0	109.4	136.7	86.1	107.6	129.2	140.0
54–1/4		95.8	105.0	105.0	105.0	73.0	97.3	105.0	76.6	90.0	105.0	105.0
60–1/4		86.3	105.0	101.1	105.0	65.7	87.6	105.0	69.0	86.2	103.5	105.0
24–1/4	120	135.8	140.0	140.0	140.0	103.4	140.0	140.0	122.1	140.0	140.0	–
30–1/4		108.9	140.0	127.6	140.0	82.9	124.3	140.0	97.9	130.5	140.0	–
36–1/4		136.3	140.0	140.0	140.0	103.7	138.3	140.0	108.9	136.1	140.0	140.0
42–1/4		116.9	140.0	137.0	140.0	89.0	118.7	140.0	93.4	116.8	140.0	140.0
48–1/4		102.4	136.5	120.0	140.0	77.9	103.9	129.9	81.8	102.3	122.7	140.0
54–1/4		91.0	105.0	105.0	105.0	69.3	92.4	105.0	72.8	90.0	105.0	105.0
60–1/4		82.0	105.0	96.1	105.0	62.4	83.2	104.0	65.5	81.9	98.3	105.0

INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ACCEPTABLE

3 TRACK HEAD/SILL ANCHORAGE CAPACITY CHARTS

NOTE:
SEE SHEET 1 FOR ANCHOR TYPES.
ANCHOR CAPACITIES LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH GLASS/REINFORCING AND MULLION CHARTS IN THIS DOCUMENT.
LOWER APPLICABLE VALUES CONTROL.

PREPARED BY A. LYNN MILLER
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SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)

3T ANCHORAGE CAPACITY CHARTS

1/25/23

LOGAN YODER

Rev. #

A

DWG No.

SGD560-LMI-FPA

Sheet

14 OF 21

Series

SGD560A

ANTHONY LYNN MILLER

LICENSE

No. 58705

09/21/23

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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

By: LMY

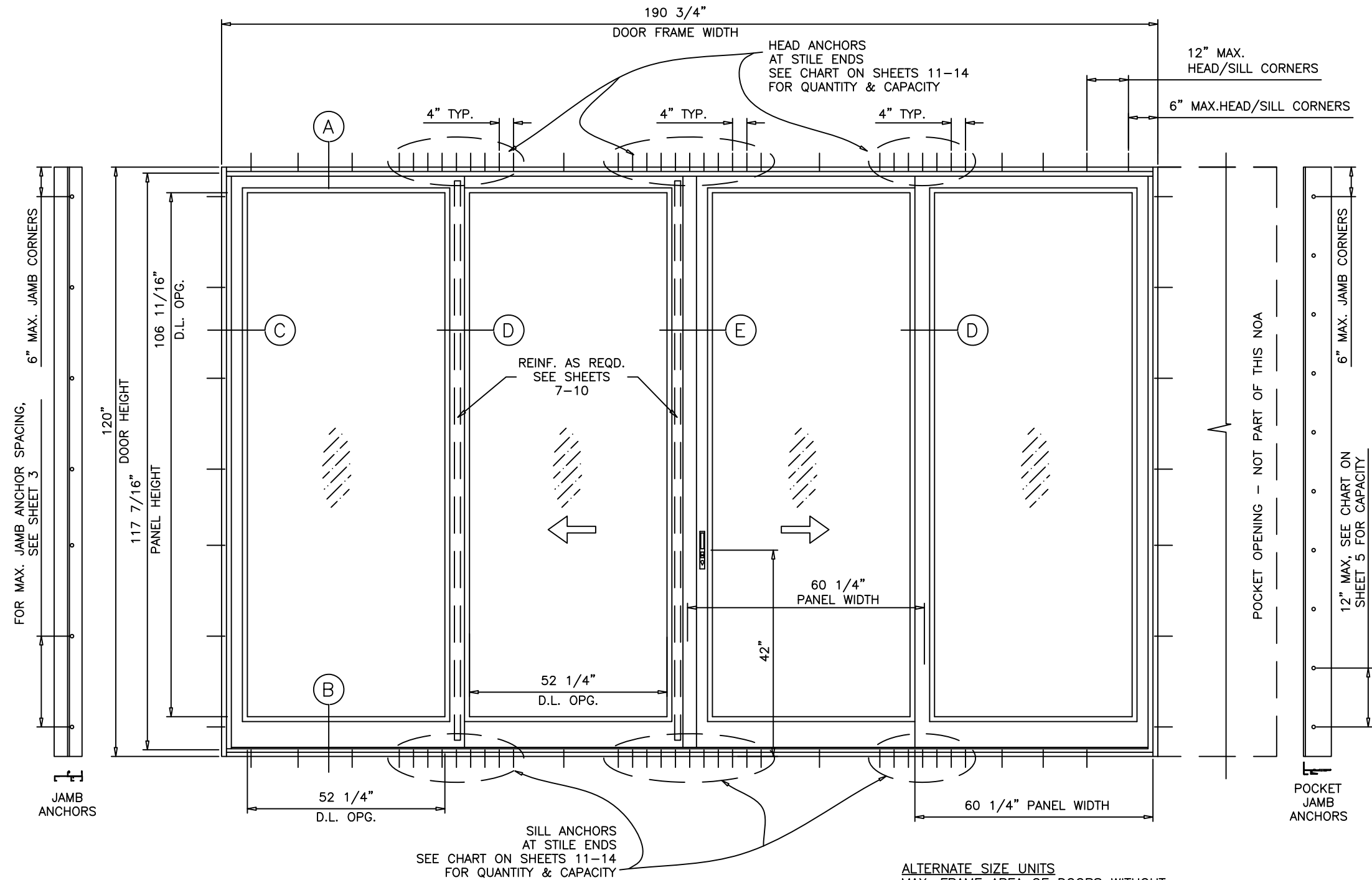
9/20/23

Date

NO CHANGES THIS SHEET

Rev.

2 TRACK ELEVATION AND ANCHORAGE



TYPICAL ELEVATION
(OXXXXP)

ALTERNATE SIZE UNITS
MAX. FRAME AREA OF DOORS WITHOUT
POCKETS NOT TO EXCEED 199.0 SQ. FT.

D.L. OPENING
D.L.O HEIGHT = DOOR HEIGHT - 13 5/16\"/>
D.L.O. WIDTH = PANEL WIDTH - 8"

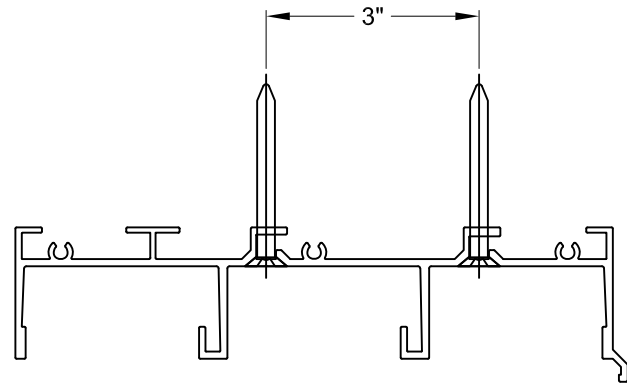
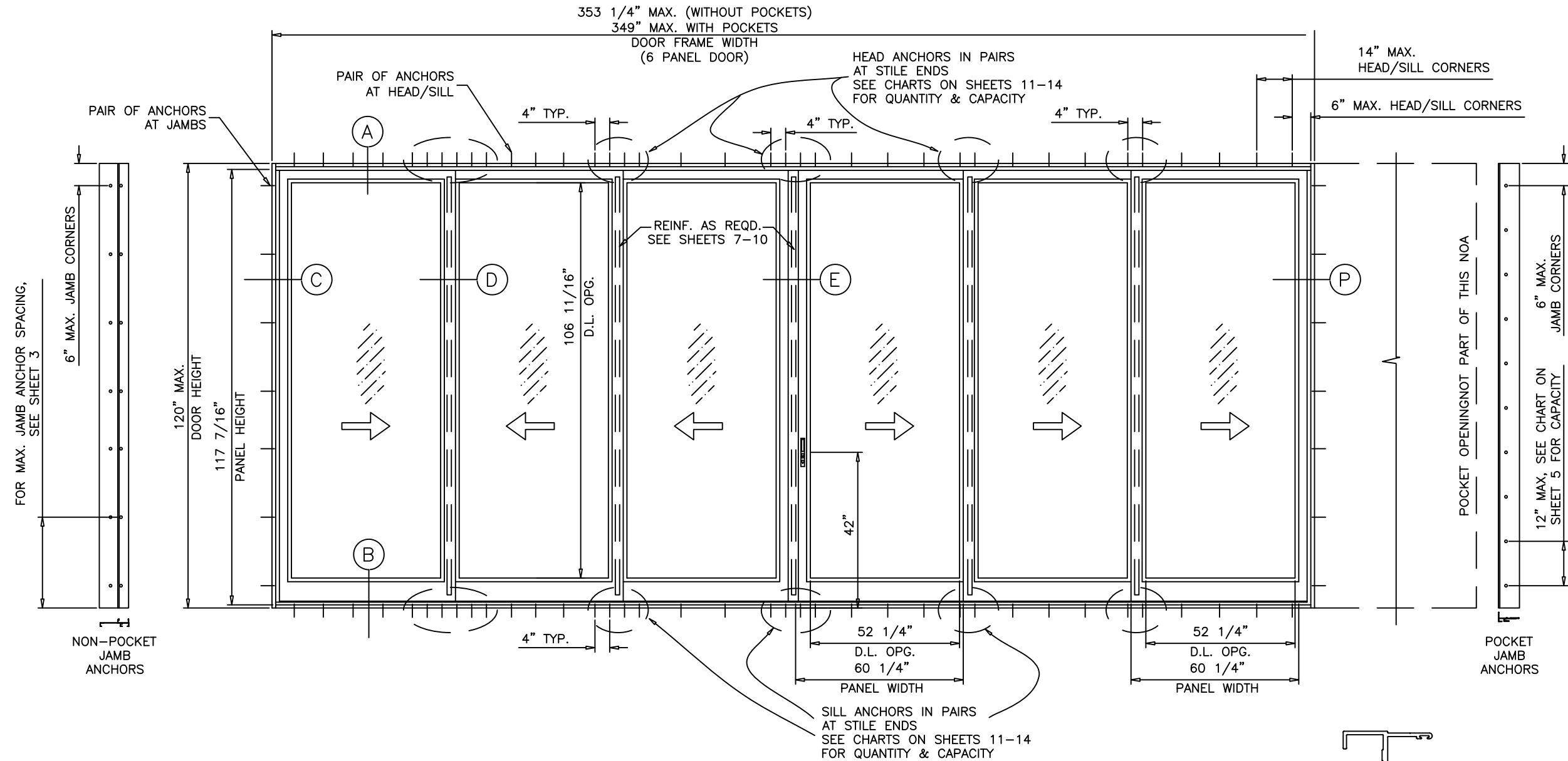
WinDoor® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
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SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)	Date	1/25/23
2T ELEVATION AND ANCHOR LAYOUT	By	LOGAN YODER
SGD560A	No.	SGD560-LMI-FPA
15 OF 21	DWG	A

ANTHONY LYNN MILLER
LICENSE
No. 58705
09/21/23
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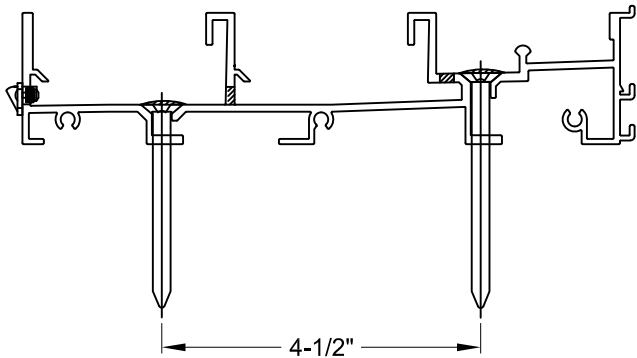
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P.E.# 58705

Rev.	NO CHANGES THIS SHEET	Date	9/20/23	By:	LMY
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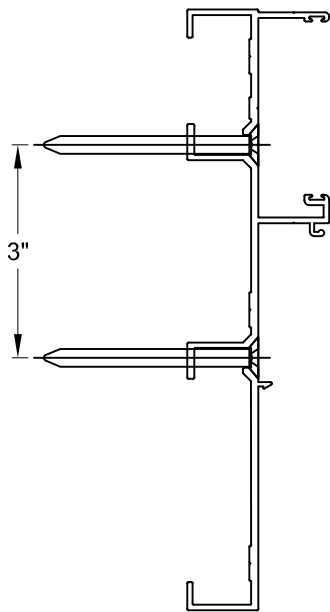
3 TRACK ELEVATION AND ANCHORAGE



3 TRACK HEAD ANCHOR PAIRS



3 TRACK SILL ANCHOR PAIRS



3 TRACK JAMB ANCHOR PAIRS

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16 OF 21		SGD560-LMI-FPA		LOGAN YODER	
Sheet		Dwg		Rev. #	
SGD560A		16 OF 21		A	

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104 TRIPLE DIAMOND BLVD

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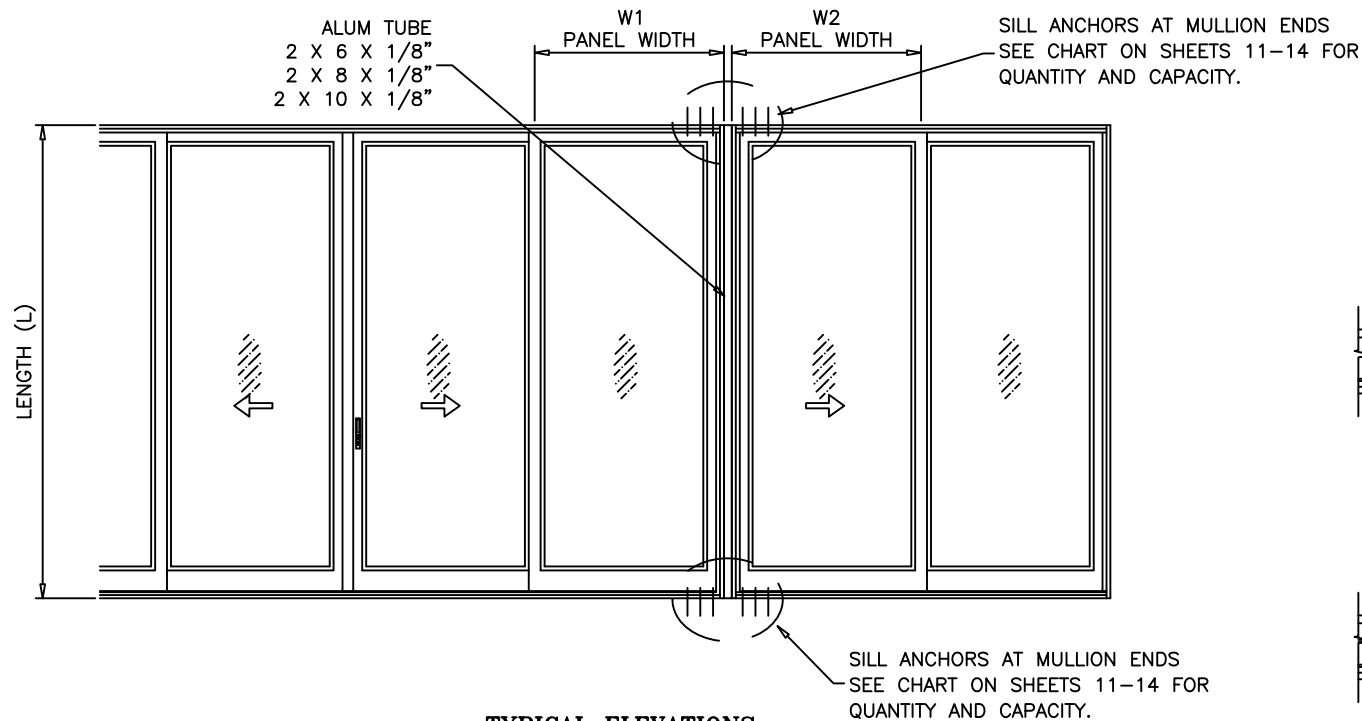
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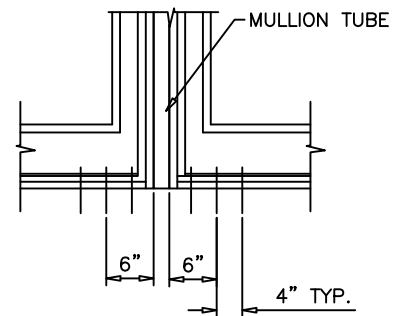
Rev.	9/20/23	LMY
Date	9/20/23	
By		
NO CHANGES THIS SHEET		



TYPICAL ELEVATIONS
SIDE BY SIDE S.G. DOOR
SIDE BY SIDE APPLIES TO TWO OR MORE DOORS

$$\text{WIDTH (W)} = \frac{W1 + W2}{2} + 2$$

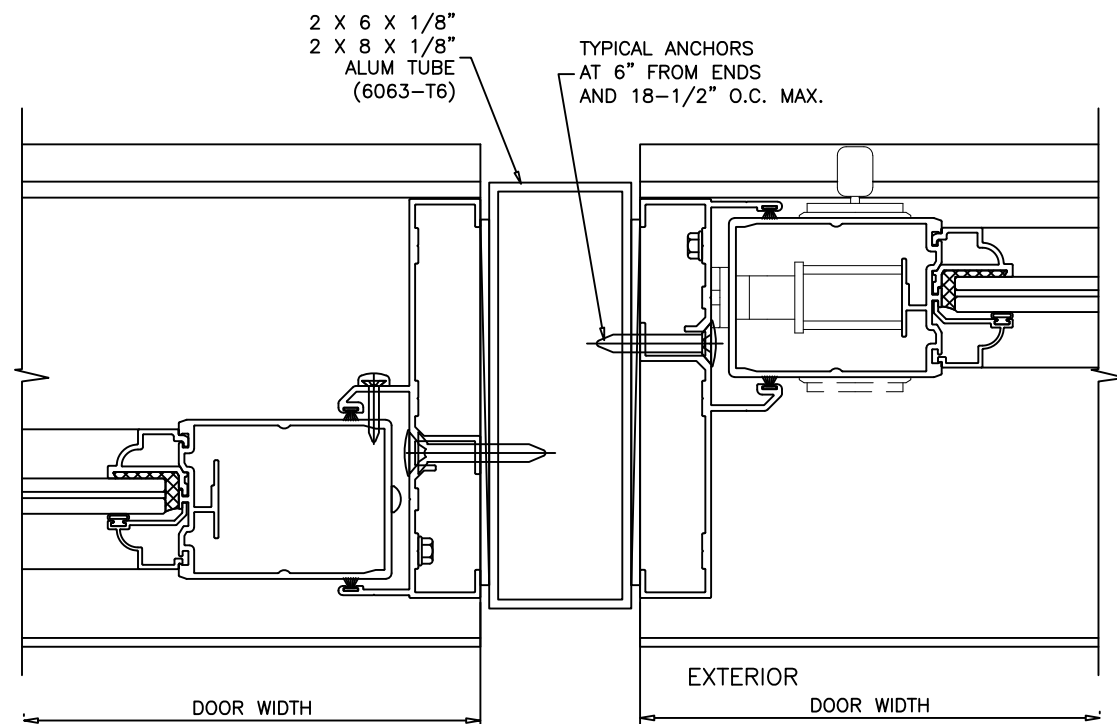
W1 = SGD PANEL WIDTH
W2 = SGD PANEL WIDTH



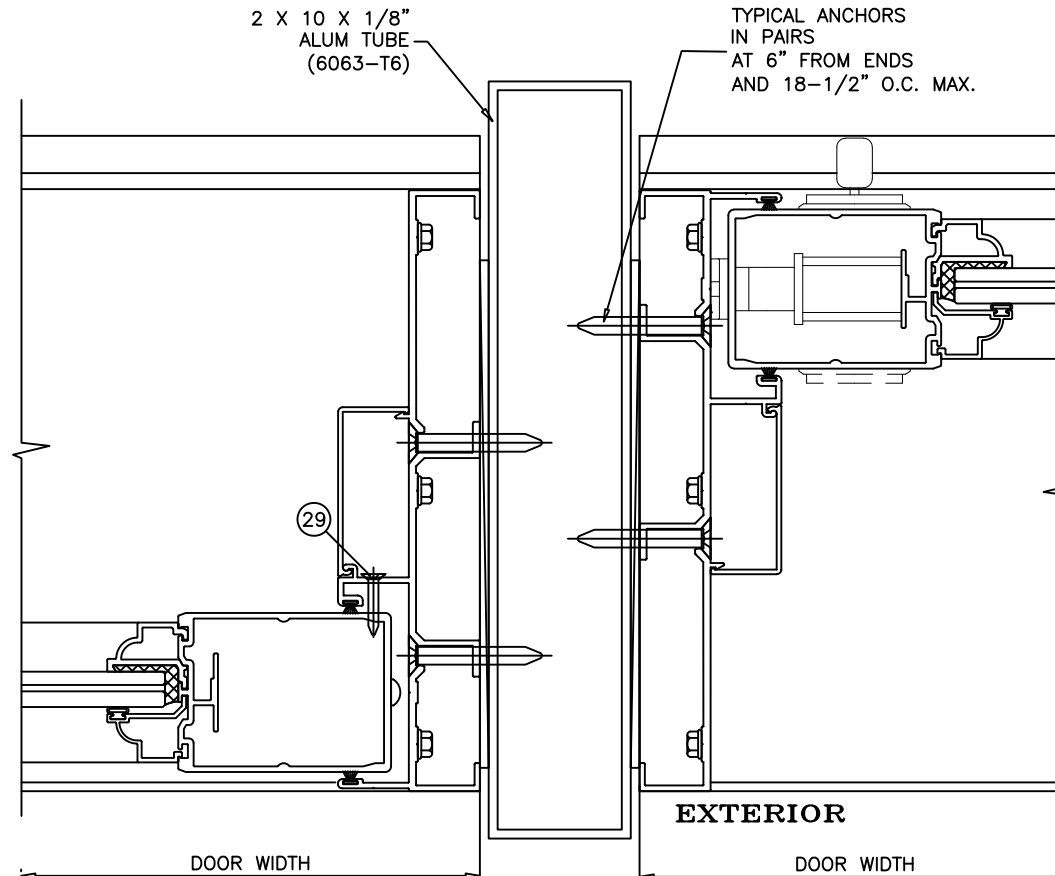
CLUSTER OF ANCHORS
HEAD/SILL

NOTES:

1. USE CHART ON SHEET 18 FOR SIDE BY SIDE CONNECTION CAPACITY OF DOOR MULLION.
2. FOR SLIDING GLASS DOOR CAPACITY SEE SHEETS 7-10.
3. USE CHARTS ON SHEETS 11-14 TO SELECT ANCHOR ARRANGEMENT AT MULLION ENDS.
4. LOWER VALUES FROM STEPS 1, 2 OR 3 WILL APPLY TO ENTIRE SYSTEM.



UNCLIPPED MULLION



UNCLIPPED MULLION

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MULLION DETAILS		17 OF 21		By		Rev. #	
SGD560A		Sheet		No.		Date	
Title		Desc.		No.		Date	

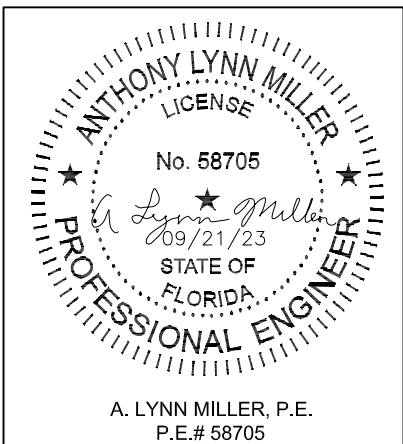


TABLE 15:

MULLION LOAD CAPACITY - PSF				
DIMS.		2 X 6 X 1/8"	2 X 8 X 1/8"	2 X 10 X 1/8"
WIDTH (W) INCHES	LENGTH (L) INCHES	POS.(+) NEG.(-)	POS.(+) NEG.(-)	POS.(+) NEG.(-)
26-1/4	84	140.0	140.0	140.0
32-1/4		140.0	140.0	140.0
38-1/4		140.0	140.0	140.0
44-1/4		140.0	140.0	140.0
50-1/4		140.0	140.0	140.0
56-1/4		140.0	140.0	140.0
62-1/4		140.0	140.0	140.0
26-1/4	90	140.0	140.0	140.0
32-1/4		140.0	140.0	140.0
38-1/4		140.0	140.0	140.0
44-1/4		140.0	140.0	140.0
50-1/4		140.0	140.0	140.0
56-1/4		140.0	140.0	140.0
62-1/4		136.0	140.0	140.0
26-1/4	96	140.0	140.0	140.0
32-1/4		140.0	140.0	140.0
38-1/4		140.0	140.0	140.0
44-1/4		140.0	140.0	140.0
50-1/4		138.8	140.0	140.0
56-1/4		124.0	140.0	140.0
62-1/4		112.1	140.0	140.0
26-1/4	102	140.0	140.0	140.0
32-1/4		140.0	140.0	140.0
38-1/4		140.0	140.0	140.0
44-1/4		131.4	140.0	140.0
50-1/4		115.7	140.0	140.0
56-1/4		103.4	140.0	140.0
62-1/4		93.4	130.8	140.0
26-1/4	108	140.0	140.0	140.0
32-1/4		140.0	140.0	140.0
38-1/4		128.1	140.0	140.0
44-1/4		110.7	140.0	140.0
50-1/4		97.5	140.0	140.0
56-1/4		87.1	139.5	140.0
62-1/4		78.7	126.1	140.0
26-1/4	114	140.0	140.0	140.0
32-1/4		129.2	140.0	140.0
38-1/4		108.9	140.0	140.0
44-1/4		94.1	140.0	140.0
50-1/4		82.9	139.5	140.0
56-1/4		74.1	124.6	140.0
26-1/4	120	136.1	140.0	140.0
32-1/4		110.7	140.0	140.0
38-1/4		93.4	140.0	140.0
44-1/4		80.7	140.0	140.0
50-1/4		71.1	125.4	140.0
56-1/4		63.5	112.0	140.0

3 TRACK WEEP HOLES:

W1 = .30" X 1-5/8" WEEP SLOTS WITH PLASTIC COVER
AT 9" FROM EACH END AND ±48" O.C.

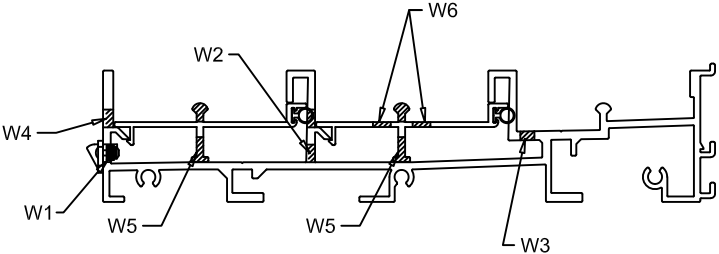
W2 = 1/4" X 2" WEEP SLOTS
AT 4" FROM EACH END AND ±12" O.C.

W3 = 1/4" X 5/8" WEEP HOLES
AT 9" FROM EACH END AND ±48" O.C.

W4 = 1/4" X 2" WEEP SLOTS
AT 4" FROM EACH END AND ±12" O.C.

W5 = .35" X 5/8" WEEP HOLES
AT ±18" O.C.

W6 = 1/4" X 5/8" WEEP HOLES
AT ±18" O.C.

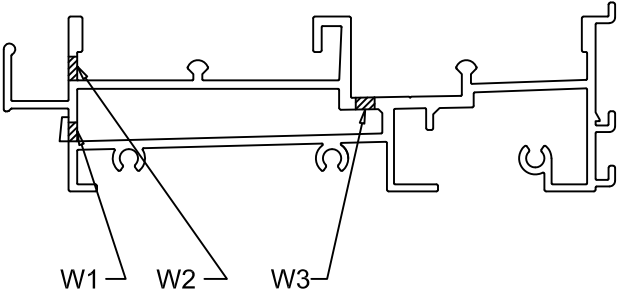


2 TRACK WEEP HOLES:

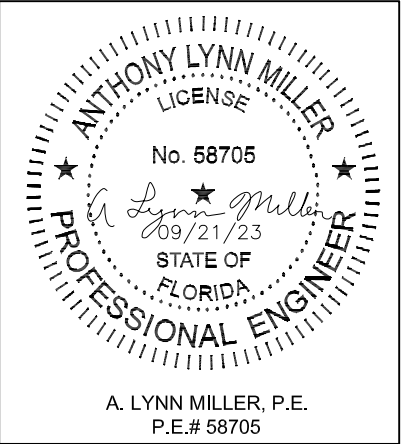
W1 = .30" X 1-5/8" WEEP SLOTS WITH PLASTIC COVER
AT 9" FROM EACH END AND ±48" O.C.

W2 = 1/4" X 2" WEEP SLOTS
AT 4" FROM EACH END AND ±12" O.C.

W3 = 1/4" X 5/8" WEEP HOLES
AT 9" FROM EACH END AND ±48" O.C.

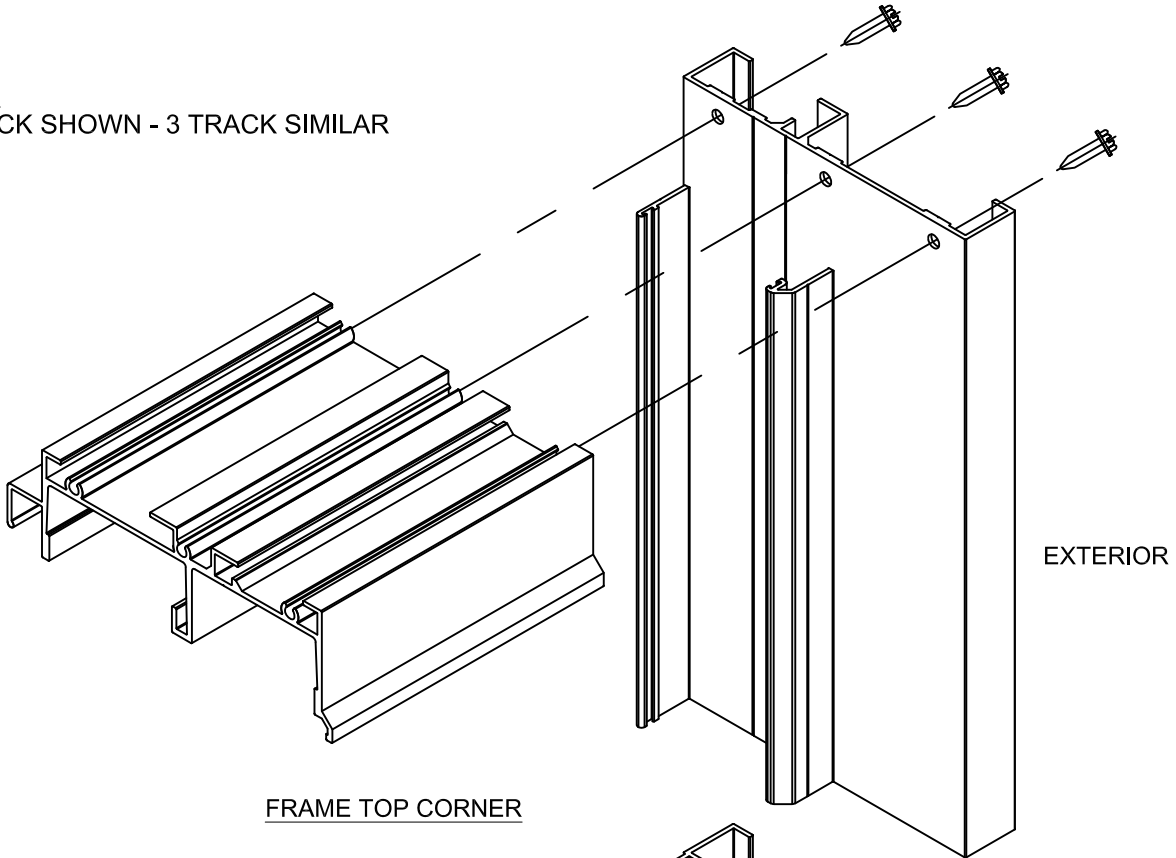


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MULLION CAPACITY - WEEP HOLES		LOGAN YODER		1/25/23		A	
SGD560A		18 OF 21		SGD560-LMI-FPA		A	

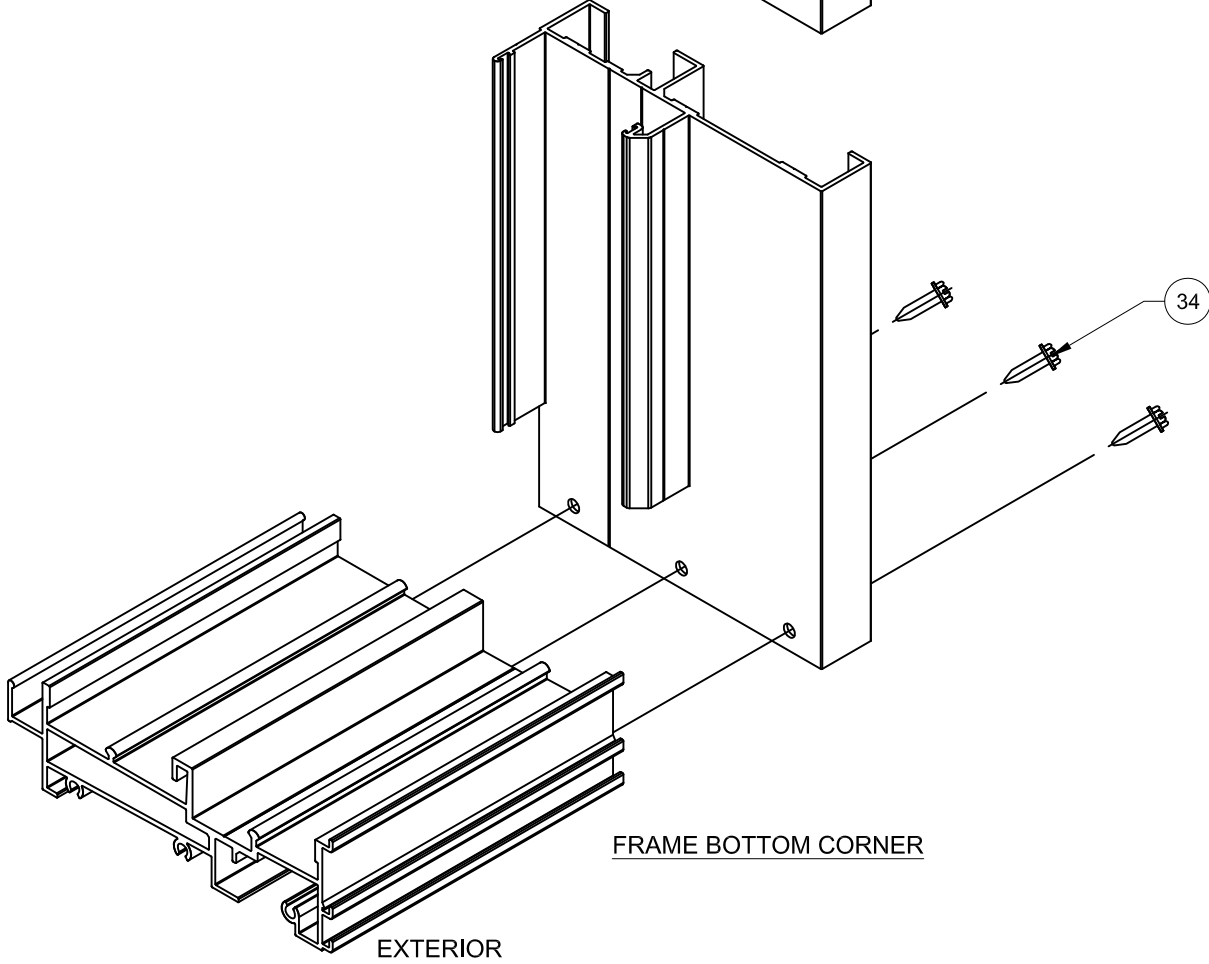


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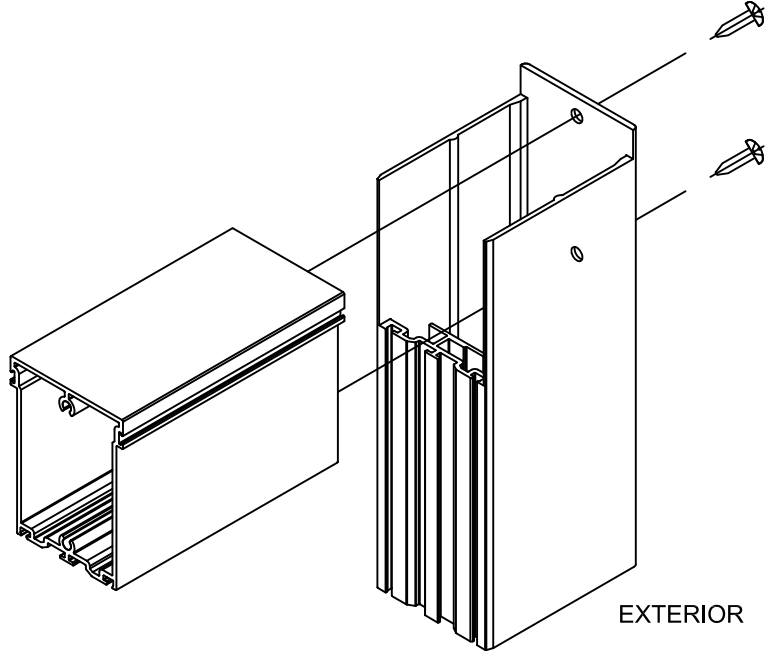
NOTE:
2 TRACK SHOWN - 3 TRACK SIMILAR



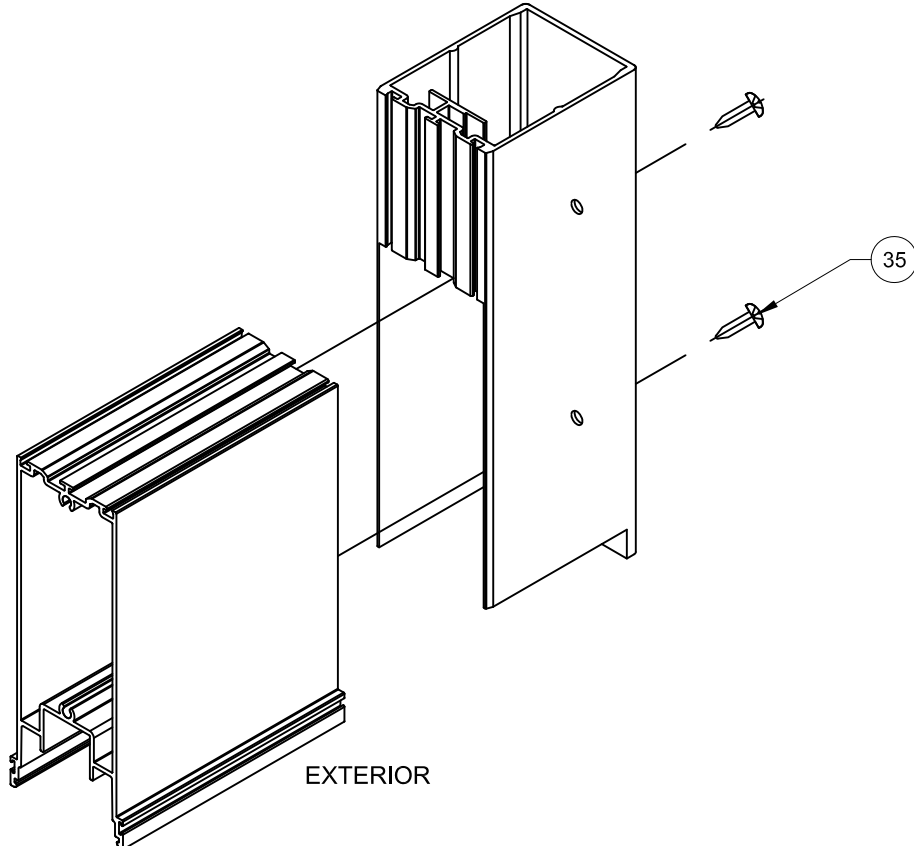
FRAME TOP CORNER



FRAME BOTTOM CORNER

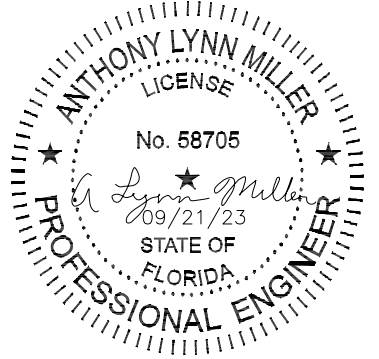


PANEL TOP CORNER

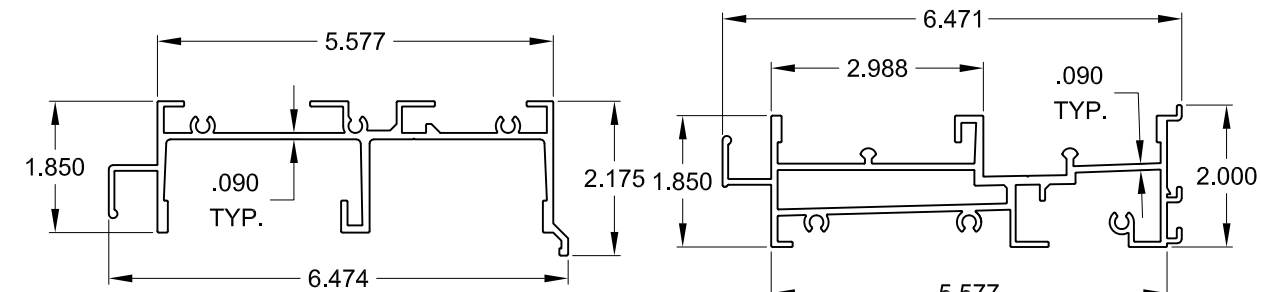


PANEL BOTTOM CORNER

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WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		SGD560-LMI-FPA		LOGAN YODER		Rev. #	
SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)		19 OF 21		ISOMETRIC CORNER DETAILS		Date	
ISOMETRIC CORNER DETAILS		SGD560A		By		No.	
Series		Desc.		Title		Sheet	

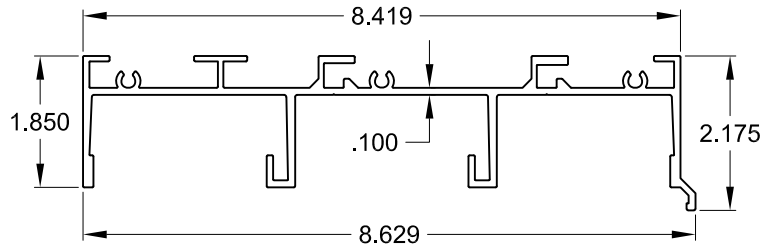


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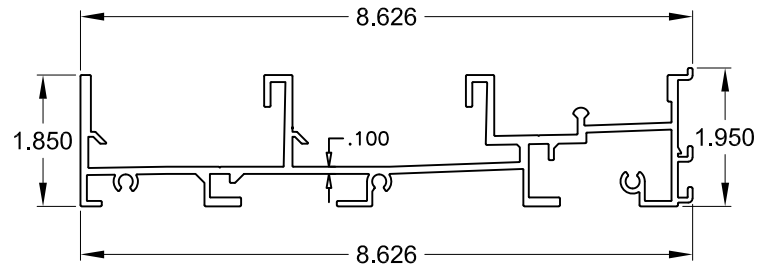


1 2-TRACK FRAME HEAD

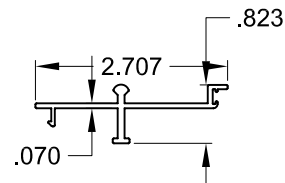
2 2-TRACK FRAME SILL



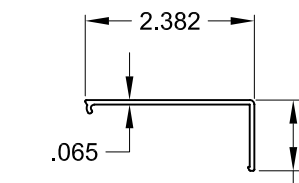
4 3-TRACK FRAME HEAD



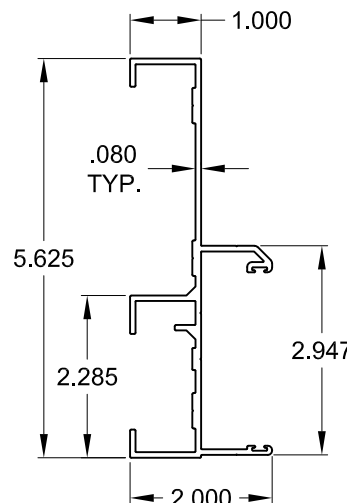
5 3-TRACK FRAME SILL



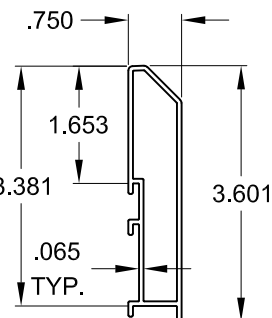
7 TRACK INSERT



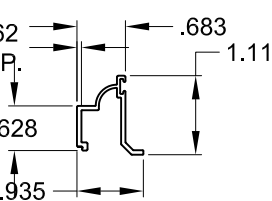
8 JAMB COVER



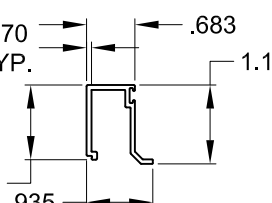
3 2-TRACK FRAME JAMB



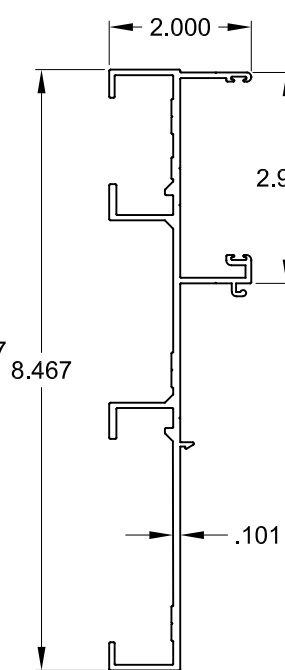
15 SILL RISER (HI-RISE)



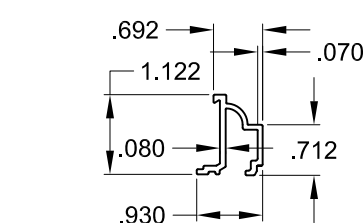
16 GLAZING BEAD (COLONIAL)



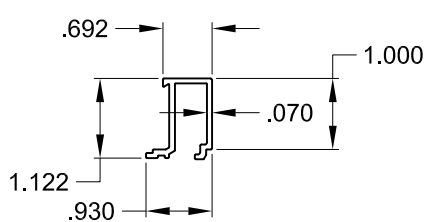
17 GLAZING BEAD (SQUARE)



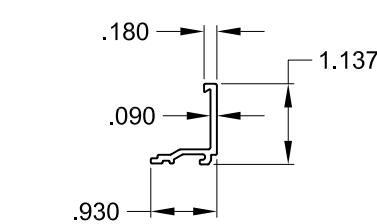
6 3-TRACK FRAME JAMB



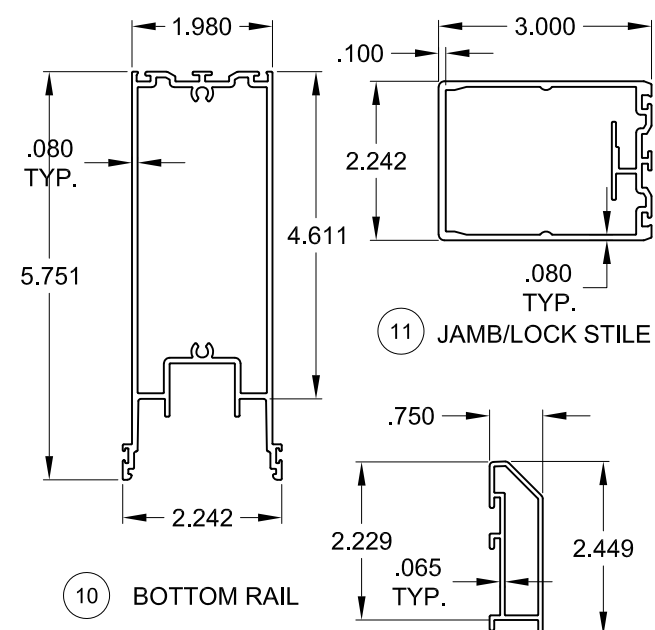
18 GLASS ADAPTER (COLONIAL)



19 GLASS ADAPTER (SQUARE)



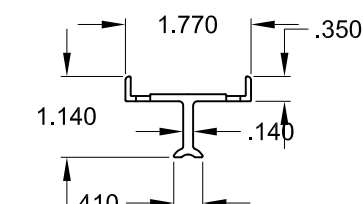
20 GLASS ADAPTER (LIG GLASS)



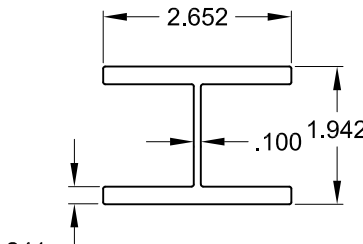
11 JAMB/LOCK STILE

10 BOTTOM RAIL

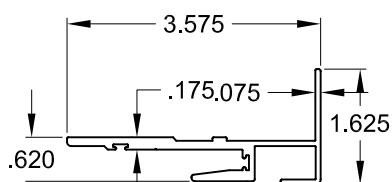
14 SILL RISER (STANDARD)



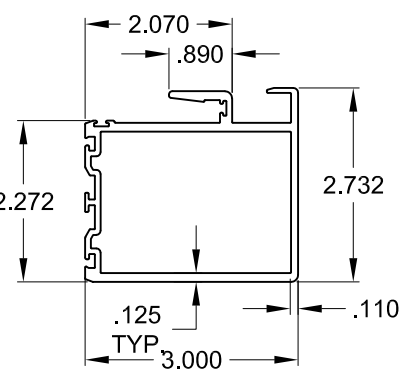
21 FIX. PANEL BASE



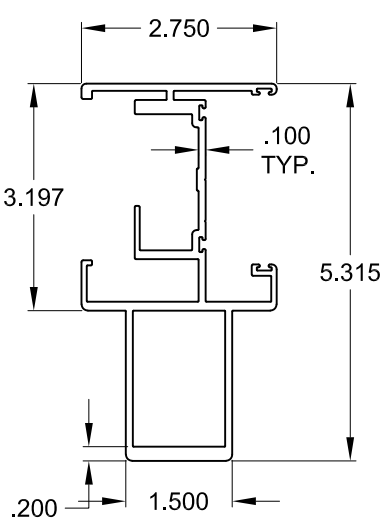
22 STILE REINFORCING



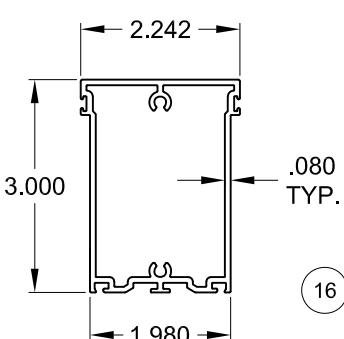
23 POCKET DOOR HOOK



12 INTERLOCK STILE

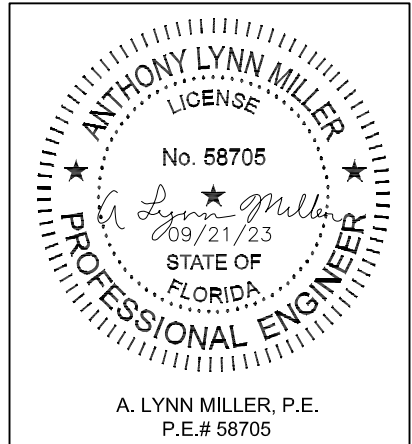


13 ASTRAGAL STILE



9 TOP RAIL

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WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N. VENICE, FL 34275 (833) 554-5432		SGD560-LMI-FPA		LOGAN YODER	
SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)		20 OF 21		Sheet	
EXTRUSIONS		SGD560A		DWC	
No.		20 OF 21		By	
Date		1/25/23		Rev. #	
A		A		Rev. #	



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

TABLE 16:

Bill of Materials			
Item #	Part #	Description	Material
1	CGI-550	2 Track Frame Head	6063-T6
2	CGI-551	2 Track Frame Sill	6063-T6
3	CGI-552	2 Track Frame Jamb	6063-T6
4	CGI-572	3 Track Frame Head	6063-T6
5	CGI-573	3 Track Frame Sill	6063-T6
6	CGI-574	3 Track Frame Jamb	6063-T6
7	CGI-575	Track Insert	6063-T6
8	CGI-576	Jamb Cover	6063-T6
9	CGI-555	Top Rail	6063-T6
10	CGI-556	Bottom Rail	6063-T6
11	CGI-557	Jamb/Lock Stile	6063-T6
12	CGI-558	Interlock Stile	6063-T6
13	CGI-559	Astragal Stile	6063-T6
14	CGI-553	Sill Riser (Standard)	6063-T6
15	CGI-554	Sill Riser (Hi-Rise)	6063-T6
16	CGI-561	Glazing Bead (Colonial)	6063-T6
17	CGI-563	Glazing Bead (Square)	6063-T6
18	CGI-562	Glass Adapter (Colonial)	6063-T6
19	CGI-564	Glass Adapter (Square)	6063-T6
20	CGI-565	Glass Adapter (Insul. Lam. Glass)	6063-T6
21	CGI-585	Fix. Panel Base, 2" Long	6063-T6
22	CGI-560	Stile Reinforcing	6063-T6
23	CGI-577	Pocket Door Hook	6063-T6
24	Varies	Wool Pile Weatherstripping With Fin	Pile
25	CGI-382V	Glazing Bead Bulb	Vinyl
26	Silicone	Structural Silicone	Rubber
27	CGI-584	Anti-Lift Block	GL RF Nylon
28	CGI-586	Adhesive Backed Pile Pad (.300" High)	Pile
29	TA-51 or TA-84	Tandem S/S Roller	S/S
30	CH-200	M.S. Commercial Hook Bolt Lock	S/S Mech.
31	CH-107	Brass Thumbturn	Brass/Zinc
32	CH-109	Brass Keyed Exterior Cylinder	Brass/Zinc
33	CGI-581	.850" X 3-7/8" S/S Keeper	S/S
34	Screw (Frame)	#12 X 1-1/4" Hex Head S/S SMS	S/S
35	Screw (Panel)	#10 X 1-1/4" Pan Head S/S SMS	S/S
36	Screw	#8 X 1-1/2" Flat Head TEKS S/S	S/S
37	Screw	#10 X 1-1/2" Pan Head TEKS S/S	S/S
38	CGI-599	Rubber Seal	Rubber/Foam
39	Sidelight Jamb Clip	3" Long Clip (At "O" Configuration)	Alum.
40	Hi-Flo Weeper	Weep Hole and Cover	Nylon
41	-	Setting Block	EPDM
42	WS-578	Adhesive Backed Pile Pad (2.75" X .3" X .69")	Pile
43	WS-597	Adhesive Backed Pile Pad (1.1" X .54" X .32")	Pile

2 TRACK FRAME WIDTH TO PANEL WIDTH FORMULAS:
FOR 1 PANEL DOORS: DOOR WIDTH - 2-1/2" = PANEL WIDTH
FOR 2 PANEL DOORS: DOOR WIDTH/2 + 1/4" = PANEL WIDTH
FOR 3 PANEL DOORS: DOOR WIDTH/3 -1/4" = PANEL WIDTH
FOR 4 PANEL DOORS: DOOR WIDTH/4 + 9/16" = PANEL WIDTH

2 TRACK PANEL WIDTH TO FRAME WIDTH FORMULAS:
FOR 1 PANEL DOORS: PANEL WIDTH + 2-1/2" = FRAME WIDTH
FOR 2 PANEL DOORS: PANEL WIDTH x 2 - 1/2" = FRAME WIDTH
FOR 3 PANEL DOORS: PANEL WIDTH X 3 + 3/4" = FRAME WIDTH
FOR 4 PANEL DOORS: PANEL WIDTH X 4 - 2-1/2" = FRAME WIDTH

3 TRACK FRAME WIDTH TO PANEL WIDTH FORMULAS:
FOR 3 PANEL DOORS: (DOOR WIDTH + 3-1/2")/3 = PANEL WIDTH
FOR 6 PANEL DOORS: (DOOR WIDTH + 8")/6 = PANEL WIDTH

3 TRACK PANEL WIDTH TO FRAME WIDTH FORMULAS:
FOR 3 PANEL DOORS: PANEL WIDTH x 3 - 3-1/2" = FRAME WIDTH
FOR 6 PANEL DOORS: PANEL WIDTH x 6 - 8" = FRAME WIDTH

2 TRACK FRAME WIDTH TO PANEL WIDTH FORMULAS - POCKET CONFIGURATIONS:
FOR PX: FRAME WIDTH + 1-11/16" = PANEL WIDTH
FOR PXX: (FRAME WIDTH + 4-11/16")/2 = PANEL WIDTH
FOR PXXP: (FRAME WIDTH + 4-7/16")/2 = PANEL WIDTH
FOR PXXXXP: (FRAME WIDTH + 10-3/8")/4 = PANEL WIDTH
FOR PXXXXX: (FRAME WIDTH + 6-1/4")/4 = PANEL WIDTH

2 TRACK PANEL WIDTH TO FRAME WIDTH FORMULAS - POCKET CONFIGURATIONS:
FOR PX: PANEL WIDTH - 1-11/16" = FRAME WIDTH
FOR PXX: PANEL WIDTH x 2 - 4-11/16" = FRAME WIDTH
FOR PXXP: PANEL WIDTH x 2 - 4-7/16" = FRAME WIDTH
FOR PXXXXP: PANEL WIDTH x 4 - 10-3/8" = FRAME WIDTH
FOR PXXXXX: PANEL WIDTH x 4 -6-1/4" = FRAME WIDTH

3 TRACK FRAME WIDTH TO PANEL WIDTH FORMULAS - POCKET CONFIGURATIONS:
FOR PXXX: (FRAME WIDTH + 7-1/2")/3 = PANEL WIDTH
FOR PXXXXXXP: (FRAME WIDTH + 16-1/8")/6 = PANEL WIDTH
FOR PXXXXXXX: (FRAME WIDTH + 12-1/16")/6 = PANEL WIDTH

3 TRACK PANEL WIDTH TO FRAME WIDTH FORMULAS - POCKET CONFIGURATIONS:
FOR PXXX: PANEL WIDTH x 3 - 7-1/2" = FRAME WIDTH
FOR PXXXXXXP: PANEL WIDTH x 6 - 16-1/8" = FRAME WIDTH
FOR PXXXXXXX: PANEL WIDTH x 6 - 12-1/16" = FRAME WIDTH

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

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104 TRIPLE DIAMOND BLVD
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SGD560A ALUM. SLIDING GLASS DOOR, 2T/3T (LMI)

1/25/23

LOGAN YODER

SGD560-LMI-FPA

Rev. #

A

DWG

No.

21 OF 21

Sheet

SGD560A

Series

Desc.

SGD560A

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