Engineering Evaluation Report 8100SM101222

Prepared by:
A. Lynn Miller, P.E.
1070 Technology Dr.
N. Venice, FL 34275
(941) 480-1600
Registration Number: #29296

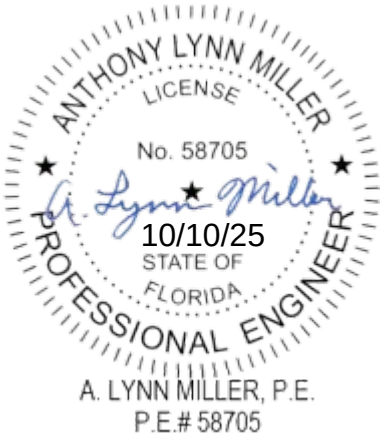
Manufacturer:
WinDoor LLC
104 Triple Diamond Blvd.
North Venice, FL 34275
(833) 554-5432

Product Description:
8100 Series Aluminum, Small Missile Impact Resistant, HVHZ Sliding Glass Door – FL16755

Compliance:
The above-mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61 G20-3.005 method 1(d). The product listed herein complies with requirements of the current Florida Building Code.

Supporting Technical Documentation:
1. Approval Document: drawing number 8100-SM, signed and sealed by A. Lynn Miller, P.E.
2. Test Report No.:
   a. NCTL 210-3570-3, 210-3570-4 & 210-4035-01 signed and sealed by Gerard J. Ferrara, P.E.
      National Certified Testing Laboratories, Orlando, FL.
      TAS 201-94, TAS 202-94, TAS 203-94
   b. NCTL 210-3570-3A & 210-3570-4A signed and sealed by Gerard J. Ferrara, P.E.
      National Certified Testing Laboratories, Orlando, FL.
      AAMA/WDMA/CSA 101/I.S.2/A440-05, ASTM E1886-02/05, ASTM E1996-02/05
   c. ATI A2181.01-106-31 (Weatherseal testing) signed and sealed by Gary Harman, P.E.
      AAMA 701/702-04 Performance Class D, Category A
3. Anchor & Comparative Analysis Calculations, prepared, signed and sealed by A. Lynn Miller, P.E., signed 10/12/22

Limitations and Conditions of use:
- Units must be glazed per ASTM E1300-04/09, refer to approval document for glazing details.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions when installed at 30ft. or higher above ground level.
- Frame and panel material to be extruded aluminum 6063-T6.
- Units must be installed in accordance with Approval Documents.



SERIES 8100A SMALL MISSILE IMPACT-RESISTANT 2, 3, 4 & 5 TRACK SLIDING GLASS DOOR W/WO EXT./INT. POCKETS; 0° (STRAIGHT), 90° OR 135° CONFIGURATIONS

FLORIDA PRODUCT APPROVAL #5570

DESIGN PRESSURE RATING	IMPACT RATING
SEE TABLES 1 - 9	RATED FOR SMALL MISSILE IMPACT RESISTANCE

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, (FBC), INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS AND INSTALLED ABOVE A HEIGHT OF 30 FT.

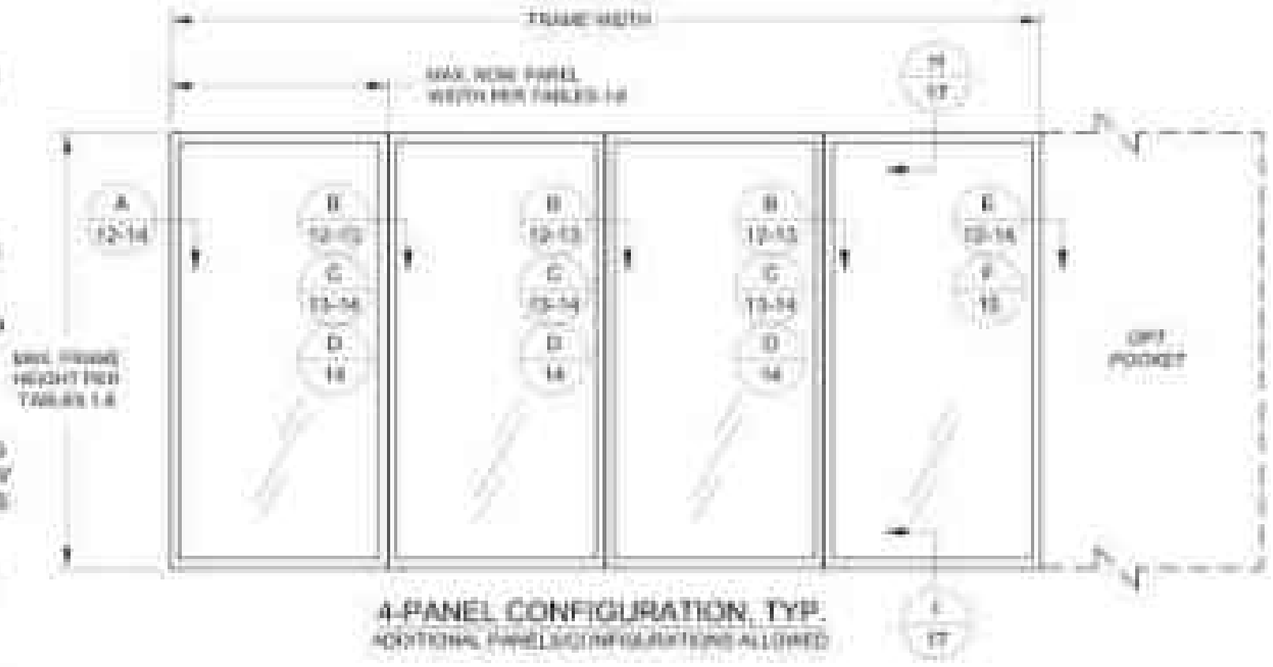
3) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED 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. ANCHORS AND FRAME CORNERS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

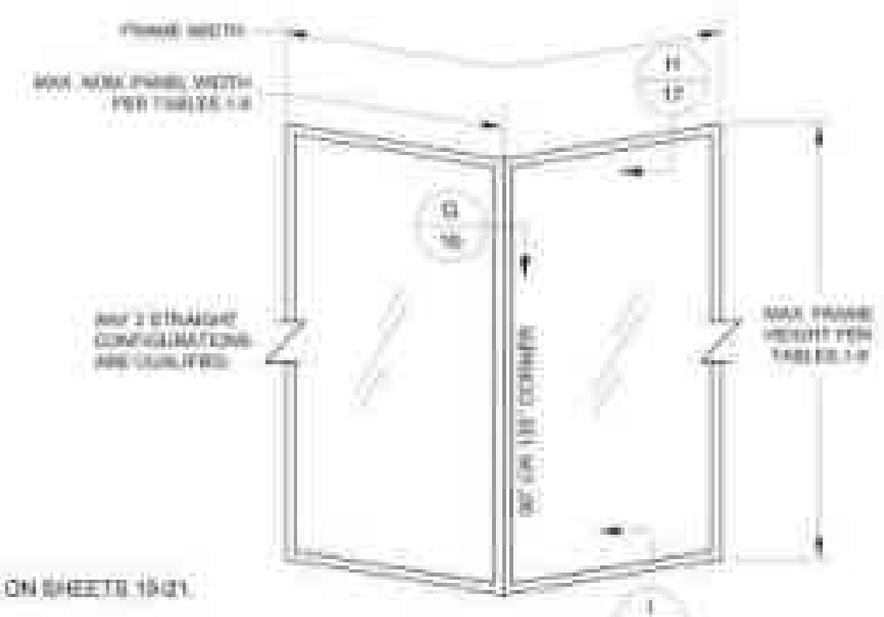
5) SHIMS ARE REQUIRED AT EACH ANCHOR LOCATIONS WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE DOOR.

6) 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.

7) DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS OF THE FBC, AS APPLICABLE. ALL CONFIGURATIONS SHOWN ARE AVAILABLE AS MULTIPLE PANELS AND IN POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS. MAXIMUM OVERALL FRAME SQUARE FOOTAGE IS 540.32 FT².



4-PANEL CONFIGURATION, TYP.
ADDITIONAL PANEL(S) CONFIGURATIONS ALLOWED



CORNER, TYP.
OUTSIDE CORNER SHOWN
INSIDE CORNER SIMILAR

GENERAL NOTES	1
ANCHOR TYPES	2
DESIGN PRESSURES	3-10
GLAZING DETAILS	11
INSTALL. DETAILS	12-17
ANCHOR LOCATIONS	18
ANCHOR SPACING	19-21
EXTRUSIONS	22-24
BILL OF MATERIALS	24

ALSO SEE LIST OF TABLES ON SHEET 3.

REVISIONS:
1) ADDED SHEETS 20 & 21.
2) ADDITIONAL ANCHOR CLUSTER LAYOUTS ON SHEETS 19-21.
3) ADDED SETTING BLOCKS TO SHEET 17.
5) REMOVED OPTIONAL FRAME ANCHOR LOCATIONS.
6) CLARIFIED CORNER ANCHOR DISTANCE ON SHEET 18.
7) ADDED GLASS TYPES 5 & 6 (1/4" TP CMP) TO SHEET 11.

SHEET REVISIONS	SHEET #
	1

DESIGNED BY	SHEET #
[illegible]	1
DRAWN BY	REVISION
[illegible]	7
DATE	SCALE
02/11/10	NTS

ALUMINUM SLIDING GLASS DOOR (SGD) SYSTEMS
ELEVATION & GENERAL NOTES

8100A-SGD

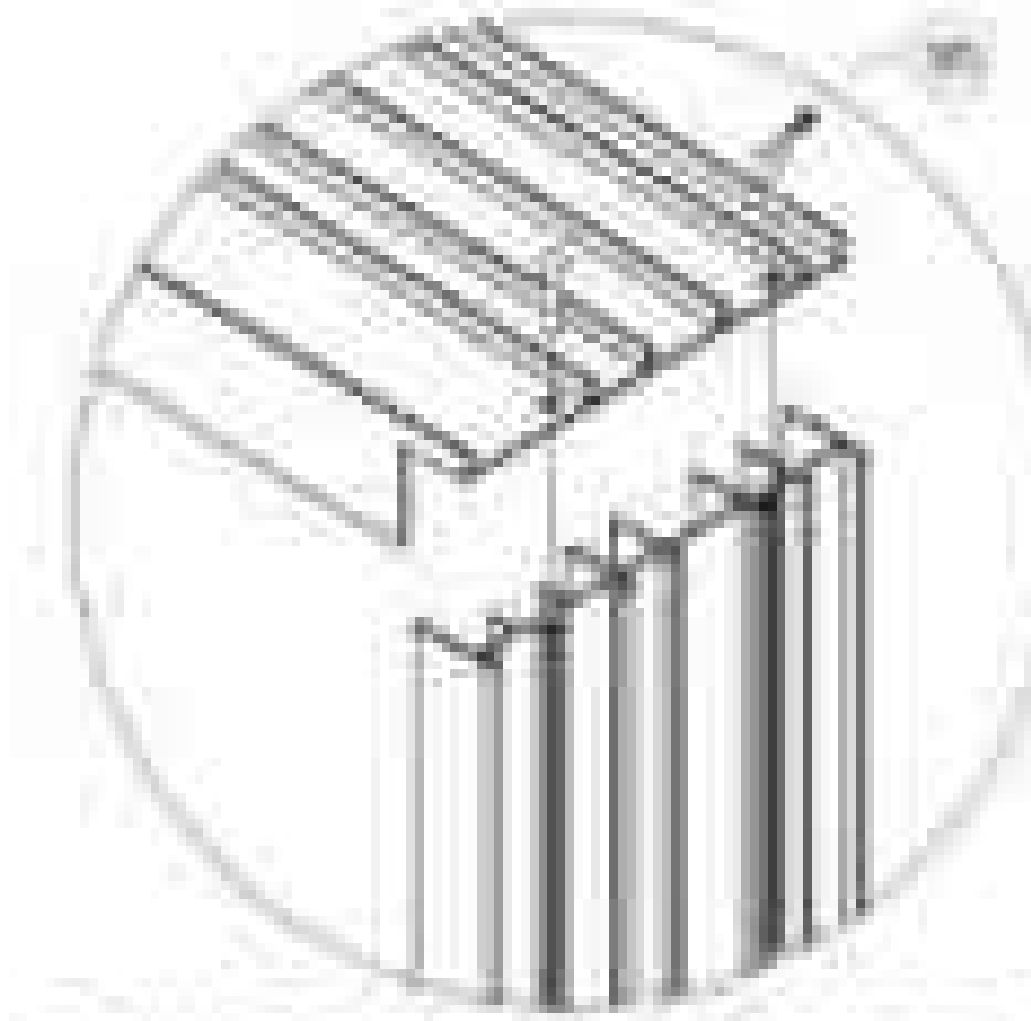
WINDOOR



TABLE A

Anchor Group	Anchor Type	Substrate	Frame Member	Min. Edge Distance	Min. O.C. Distance	Min. Embedment or Metal Thickness
A	#14 Steel SMS (Gr. 5) or #14 SS SMS	Southern Pine (SG = 0.55)	All	5/8"	1"	1-3/8"
		6063-T5 Aluminum	All	3/8"	1"	0.125"
		A36 Steel	All	3/8"	1"	0.080"
		Steel Stud, Gr. 33	All	3/8"	1"	0.045" (18 Ga)
	1/4" DeWalt UltraCon+	Southern Pine (SG = 0.55)	All	1"	1"	1-3/8"
	1/4" 410 SS Elco CreteFlex	Southern Pine (SG = 0.55)	All	1"	1"	1-3/8"
	3/16" DeWalt UltraCon+	Concrete (min. 3.0 ksi)	All	1-1/2"	1-1/2"	1-3/4"
		Hollow or Grout-filled CMU (ASTM C90)	Jamb	1-1/2"	2-5/16"	1-1/4"
		Hollow or Grout-filled CMU (ASTM C90)	Hookstrip	1-1/2"	2-5/16"	1-1/4"
B	1/4" DeWalt UltraCon+	Concrete (min. 3.0 ksi)	All	2-1/2"	1-1/2"	1-3/4"
		Hollow or Grout-filled CMU (ASTM C90)	Jamb	2-1/2"	3-9/16"	1-1/4"
		Hollow or Grout-filled CMU (ASTM C90)	Hookstrip	2-1/2"	3"	1-1/4"
	1/4" 410 SS Elco CreteFlex	Concrete (min. 3.35 ksi)	All	2-1/2"	2"	1-3/4"
		Hollow or Grout-filled CMU (ASTM C90)	Jamb	2-1/2"	3-3/16"	1-1/4"
		Hollow or Grout-filled CMU (ASTM C90)	Hookstrip	2-1/2"	2"	1-1/4"

1) WHERE SUBSTRATE CONDITIONS REQUIRE ANCHORAGE FROM MORE THAN ONE ANCHOR GROUP, CHOOSE THE ANCHOR GROUP THAT REQUIRES THE GREATEST QUANTITY OF ANCHORS IN TABLES 1-8.
2) ALL ANCHOR HEAD TYPES ARE APPLICABLE.
3) ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MINIMUM OF 3 THREADS EXTEND BEYOND METAL SUBSTRATE.



FRAME CORNER ASSEMBLY
2 TRACK SHOWN, OTHERS SIMILAR



PANEL CORNER ASSEMBLY
STANDARD BOTTOM RAIL

Index to DP/Anchor Quantity Tables					
Table #	Sheet #	Door Configuration Angle	Glass Types	Interlock Type	Stile Reinf. Required
1	3	0°	All	Standard	No
2	4	90° & 135°	All	Standard	No
3	5	0°	All	Standard	Yes
4	6	90°	All	Standard	Yes
5	7	135°	All	Standard	Yes
6	8	0°	All	Narrow	No
7	9	90° & 135°	All	Narrow	No
8	10	0°, 90° & 135°	All	Narrow	Yes*

* REINFORCEMENT REQUIRED IN STILES OTHER THAN THE NARROW INTERLOCK STILE.



PANEL CORNER ASSEMBLY
TALL BOTTOM RAIL

SEE 'REVISIONS' SHEET 1-JR

ALUMINUM SLIDING GLASS DOOR (SM)
ELEVATION & GENERAL NOTES
JENS ROSOWSKI
SGD8100A
2 OF 24
8100-SM

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

TABLE 1:

8' Configuration, Nominal Widths, Anti-Walk Tab		30" (Nom.)				42" (Nom.)				48" (Nom.)				54" (Nom.)				60" (Nom.)				66" (Nom.)				72" (Nom.)			
Standard Width(s)		[illegible] (DLO)				[illegible] (DLO)				[illegible] (DLO)				[illegible] (DLO)				[illegible] (DLO)				[illegible] (DLO)				[illegible] (DLO)			
Frame Height	Anchor Group	Mid-Panel	Cluster	Jamb	Hookstrip	Mid-Panel	Cluster	Jamb	Hookstrip	Mid-Panel	Cluster	Jamb	Hookstrip	Mid-Panel	Cluster	Jamb	Hookstrip	Mid-Panel	Cluster	Jamb	Hookstrip	Mid-Panel	Cluster	Jamb	Hookstrip	Mid-Panel	Cluster	Jamb	Hookstrip
Design Pressure		[illegible]				[illegible]				[illegible]				[illegible]				[illegible]				[illegible]				[illegible]			
80"	A	4	4	10	6	2	3	11	6	2	6	12	5	4	8	10	6	4	6	11	6	4	6	10	5	6	6	12	6
	B	4	4	10	5	2	4	10	5	2	4	11	6	3	4	10	6	4	4	11	6	4	6	10	6	4	6	12	6
Design Pressure		[illegible]				[illegible]				[illegible]				[illegible]				[illegible]				[illegible]							
84"	A	4	6	10	6	2	6	10	6	2	6	12	6	4	6	10	6	4	4	11	6	4	4	10	6				
	B	4	4	10	6	2	4	10	6	2	4	10	6	2	6	10	6	4	6	11	6	4	4	10	6				
Design Pressure		[illegible]				[illegible]				[illegible]				[illegible]				[illegible]											
90"	A	2	6	10	6	2	6	10	6	2	6	10	6	4	6	10	6	4	6	11	6								
	B	2	4	10	6	2	6	10	6	2	6	10	6	2	6	10	6	4	6	11	6								
Design Pressure		[illegible]				[illegible]				[illegible]				[illegible]				[illegible]											
96"	A	2	6	12	7	2	6	12	7	2	6	12	7	4	6	12	7	4	6	12	7								
	B	2	4	12	7	2	6	12	7	2	4	12	7	2	6	12	7	4	4	12	7								
Design Pressure		[illegible]				[illegible]				[illegible]				[illegible]															
102"	A	2	6	12	7	2	6	12	7	2	6	12	7	2	6	12	7												
	B	2	4	12	7	2	6	12	7	2	6	12	7	2	6	12	7												
Design Pressure		[illegible]				[illegible]				[illegible]				[illegible]															
108"	A	2	6	12	7	2	6	12	7	2	6	12	7	2	6	12	7												
	B	2	6	12	7	2	6	12	7	2	6	12	7	2	4	12	7												
Design Pressure		[illegible]				[illegible]				[illegible]																			
114"	A	2	6	12	7	2	6	12	7	2	6	12	7																
	B	2	6	12	7	2	6	12	7	2	6	12	7																
Design Pressure		[illegible]				[illegible]				[illegible]																			
120"	A	2	6	14	6	2	6	14	6	2	6	14	6																
	B	2	6	14	6	2	6	14	6	2	8	14	8																
Design Pressure		+48.5/-48.5				[illegible]																							
126"	A	2	4	14	6	2	4	14	6																				
	B	2	4	14	6	2	4	14	5																				
Design Pressure		[illegible]				[illegible]																							
132"	A	2	4	14	5	2	4	14	5																				
	B	2	4	14	5	2	4	14	5																				
Design Pressure		[illegible]				[illegible]																							
138"	A	2	4	14	5	2	4	14	5																				
	B	2	4	14	5	2	4	14	5																				
Design Pressure		+32.4/-32.4																											
144"	A	2	4	10	3																								
	B	2	2	10	3																								

Design Pressure and Anchor Quantities Required — Nominal Panel Width / Panel DLO Width / Anchor Location

THE MAXIMUM DP AT THIS SIZE. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET.

HOOKSTRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOKSTRIP, PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB.

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS.

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL.

TABLE C:

Water-Limited (+) Design Pressure		
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-1/2"	See Fig. 1
29	1-3/4"	+40 psf
30	2-1/4"	+60 psf
31	3"	+80 psf
32	3-1/2"	+100 psf
33	4-1/8"	+125.3 psf

FIG 1:



DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE.

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED, THE LESSER VALUES OF TABLE 1 AND TABLE C DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DPS SHOWN IN TABLE 1 MAY BE USED.

3) SEE SHEETS 16-21 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

SEE "REVISIONS" SHEET 1 JR

ALUMINUM SLIDING GLASS DOOR (SM)

DP AND ANCHOR QTY TABLE 1

JENS ROSOWSKI

3 OF 24

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

TABLE 2:

40" to 136" Clr/Sp Straight Sides All Glass Types		Design Pressure and Anchor Quantities Required																											
		Nominal Panel Width / Panel DLO Width / Anchor Location																											
		36" (Nom.)				41" (Nom.)				48" (Nom.)				54" (Nom.)				60" (Nom.)				66" (Nom.)				72" (Nom.)			
Glass Width		[illegible]				[illegible]				[illegible]				[illegible]				[illegible]				[illegible]				[illegible]			
Frame Height	Anchor Group	Midpanel	Cluster	Jamb	Hookstrip	Midpanel	Cluster	Jamb	Hookstrip	Midpanel	Cluster	Jamb	Hookstrip	Midpanel	Cluster	Jamb	Hookstrip	Midpanel	Cluster	Jamb	Hookstrip	Midpanel	Cluster	Jamb	Hookstrip	Midpanel	Cluster	Jamb	Hookstrip
Design Pressure		+75/-75				+75/-75				+75/-75				+75/-75				+75/-75				+75/-75				+72/-72			
80"	A	2	4	10	5	2	4	10	5	2	4	10	5	2	4	10	6	4	4	10	5	4	4	10	6	4	4	10	5
	B	2	4	10	5	2	4	10	6	2	4	10	5	2	4	10	5	4	4	10	5	4	4	10	5	4	4	10	5
Design Pressure		+75/-75				+75/-75				+75/-75				+75/-75				+75/-75				+72/-72							
84"	A	2	4	10	5	2	4	10	6	2	4	10	6	2	4	10	6	4	6	10	6	4	6	10	6				
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	6				
Design Pressure		+72/-72				+75/-75				+75/-75				+72/-72				+72/-72											
90"	A	2	4	10	6	2	4	10	6	2	6	10	6	2	4	10	6	4	6	10	6								
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6								
Design Pressure		+75/-75				+75/-75				+75/-75				+75.4/-75.4				+66.7/-66.7											
96"	A	2	4	10	7	2	6	12	7	4	5	12	7	2	6	12	7	4	4	12	7								
	B	2	5	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7								
Design Pressure		+75/-75				+75/-75				+72.7/-72.7				+68.5/-68.5															
102"	A	2	4	12	7	2	6	12	7	2	6	12	7	2	6	12	7												
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7												
Design Pressure		+75/-75				+72.9/-72.9				+67/-67				+61.7/-61.7															
108"	A	2	6	12	7	2	6	12	7	2	6	12	7	2	6	12	7												
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7												
Design Pressure		+75/-75				+69.1/-69.1				+62.8/-62.8																			
114"	A	2	6	12	7	2	4	12	7	2	6	12	7																
	B	2	4	12	7	2	4	12	7	2	4	12	7																
Design Pressure		+73.3/-73.3				+61.5/-61.5				+56.6/-56.6																			
120"	A	2	6	14	8	2	6	14	8	2	6	14	8																
	B	2	4	14	8	2	4	14	8	2	4	14	8																
Design Pressure		+67.1/-67.1				+56.2/-56.2																							
126"	A	2	6	14	8	2	6	14	8																				
	B	2	4	14	8	2	4	14	8																				
Design Pressure		+58.2/-58.2				+60.1/-60.1																							
132"	A	2	6	14	8	2	6	14	8																				
	B	2	4	14	8	2	4	14	8																				
Design Pressure		+60.3/-60.3				+47/-47																							
138"	A	2	6	14	9	2	6	14	9																				
	B	2	4	14	9	2	4	14	9																				
Design Pressure		+48.5/-48.5																											
144"	A	2	6	16	9																								
	B	2	4	16	9																								

HOOKSTRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOKSTRIP, PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB.

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS.

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL.

THE MAXIMUM DP AT THIS SIZE. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET.

TABLE C:

Water Infiltration Design Pressure		
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

FIG 1:



DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE.

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 2 AND TABLE C DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DPS SHOWN IN TABLE 2 MAY BE USED.

3) SEE SHEETS 16-21 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

SEE "REVISIONS" SHEET 1 JR

PREPARED BY: A. LYNN MILLER [illegible]

[illegible]

ALUMINUM SLIDING GLASS DOOR (SM)

DP AND ANCHOR QTY TABLE 2

JENS ROSOWSKI

8100-SM

4 OF 24

SGD8100A

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

TABLE 3

'A' Configuration Windows from Air Glass Spring	Design Pressure and Anchor Quantities Required																							
	Nominal Panel Width / Panel (X,Z Width) / Anchor / Jackbar																							
	30" (Nom.)				42" (Nom.)				48" (Nom.)				60" (Nom.)				72" (Nom.)				96" (Nom.)			
Overlaps (H)(A)(C)	27-4 1/8" (DLO)				39-4 1/8" (DLO)				45-4 1/8" (DLO)				57-4 1/8" (DLO)				69-4 1/8" (DLO)				93-4 1/8" (DLO)			
Frame Height	Anchor Group	Wall/Head	Outside	Jamb	Meeting/Sill	Wall/Head	Outside	Jamb	Meeting/Sill	Wall/Head	Outside	Jamb	Meeting/Sill	Wall/Head	Outside	Jamb	Meeting/Sill	Wall/Head	Outside	Jamb	Meeting/Sill	Wall/Head	Outside	Jamb	Meeting/Sill
Design Pressure		+100.0/-100				+125.0/-125				+111.3/-150*				+200.0/-200				+111.3/-150*				+125.0/-150.0*			
90"	A	4	5	10	5	4	6	11	7	4	6	12	7	4	8	12	8	4	5	11	6	4	8	12	6
	C	4	5	10	6	4	6	12	8	4	6	13	7	4	7	12	7	4	6	12	7	4	8	13	7
Design Pressure		+100.0/-100				+125.0/-125				+104.9/-150				+200.0/-200				+111.3/-150*							
96"	A	4	5	10	7	4	6	12	7	4	6	13	8	4	8	14	8	4	6	11	8				
	C	4	6	10	8	4	6	12	9	4	6	14	9	4	9	16	9	4	8	13	8				
Design Pressure		+100.0/-100				+125.0/-125				+104.9/-150				+200.0/-200				+111.3/-150*							
102"	A	4	6	10	8	4	6	12	8	4	6	13	8	4	8	14	8	4	6	12	8				
	B	4	6	10	8	4	6	12	8	4	6	13	8	4	8	14	8	4	6	12	8				
Design Pressure		+100.0/-100				+125.0/-125				+104.9/-150				+200.0/-200				+111.3/-150*							
108"	A	4	6	10	8	4	6	12	8	4	6	13	8	4	8	14	8	4	6	12	8				
	B	4	6	10	8	4	6	12	8	4	6	13	8	4	8	14	8	4	6	12	8				
Design Pressure		+100.0/-100				+125.0/-125				+104.9/-150				+200.0/-200											
114"	A	4	6	10	8	4	6	12	8	4	6	13	8	4	8	14	8								
	B	4	6	10	8	4	6	12	8	4	6	13	8	4	8	14	8								
Design Pressure		+100.0/-100				+125.0/-125				+104.9/-150															
120"	A	4	6	10	8	4	6	12	8	4	6	13	8	4	8	14	8								
	B	4	6	10	8	4	6	12	8	4	6	13	8	4	8	14	8								
Design Pressure		+100.0/-100				+125.0/-125				+104.9/-150															
126"	A	4	6	10	8	4	6	12	8	4	6	13	8	4	8	14	8								
	B	4	6	10	8	4	6	12	8	4	6	13	8	4	8	14	8								
Design Pressure		+100.0/-100				+125.0/-125																			
144"	A	4	6	10	8	4	6	12	8																
	B	4	6	10	8	4	6	12	8																

THE MAXIMUM DP AT THIS SIZE ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

FIG 1:



DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE.

HOR/STF/F = TOTAL # OF ANCHORS REQUIRED THROUGH THE HORIZONTAL PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 3 PANELS

MID/PANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL

TABLE NOTES:

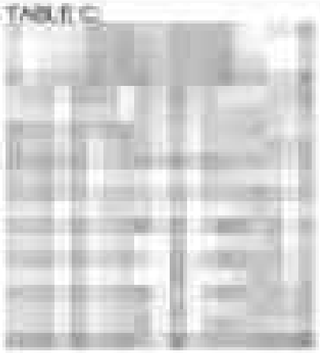
1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 3 AND TABLE C DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S SHOWN IN TABLE 3 MAY BE USED.

3) SEE SHEETS 16-21 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-3 TRACKS AND ALL PANEL CONFIGURATIONS.

TABLE C



#	DESCRIPTION	DATE
1	REVISED SHT	01/01/22

AS LIMITED BY LOW-E GLASS SIZE (SEE TABLE C) OR ANCHOR QTY (TABLE 3)

BP AND ANCHOR QTY TABLE 3

SHEET NAME

SHEET NO.

PREPARED BY:
[illegible]

PROJECT #:
[illegible]

PROJECT ADDRESS:
[illegible]

PROJECT NAME:
[illegible]

ARCHITECT OF RECORD:
[illegible]

ENGINEER OF RECORD:
[illegible]



TABLE 4

#" Configuration / # Anchor Sides / #" Glass Types		Design Pressure and Anchor Quantities Required																											
		Nominal Panel Width / Panel DLO Width / Anchor Location																											
		36" (Nom.)				42" (Nom.)				48" (Nom.)				54" (Nom.)				60" (Nom.)				66" (Nom.)				72" (Nom.)			
Standard Interlock		29-5/16" (DLO)				34-5/16" (DLO)				40-5/16" (DLO)				46-5/16" (DLO)				52-5/16" (DLO)				58-5/16" (DLO)				64-5/16" (DLO)			
Frame Height	Anchor Group	Midspan	Cluster	Jamb	Hookstrip	Midspan	Cluster	Jamb	Hookstrip	Midspan	Cluster	Jamb	Hookstrip	Midspan	Cluster	Jamb	Hookstrip	Midspan	Cluster	Jamb	Hookstrip	Midspan	Cluster	Jamb	Hookstrip	Midspan	Cluster	Jamb	Hookstrip
Design Pressure		+132/-132				+130/-130				+125/-125				+130/-130				+124/-124				+130/-130				+130/-130			
80"	A	3	6	10	5	3	6	10	6	4	6	10	6	4	6	10	6	4	3	10	7	6	6	10	7	6	6	10	7
	B	3	4	10	6	2	4	10	6	3	6	10	5	4	6	10	6	4	6	10	6	4	6	10	6	4	6	10	6
Design Pressure		+120/-120				+120/-120				+120/-120				+120/-120				+120/-120				+120/-120							
84"	A	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	7	4	6	10	7	6	6	10	7				
	B	2	6	10	6	2	6	10	6	2	6	10	6	4	6	10	6	4	6	10	6	4	6	10	7				
Design Pressure		+120/-120				+120/-120				+120/-120				+120/-120				+120/-120											
90"	A	2	6	10	6	2	6	10	6	4	6	10	7	4	6	10	7	4	6	10	6								
	B	2	6	10	6	4	6	10	6	2	6	10	6	4	6	10	7	4	6	10	7								
Design Pressure		+120/-120				+120/-120				+120/-120				+120/-120				+120.9/-120.9											
96"	A	2	6	10	7	2	6	10	7	4	6	10	6	2	6	10	6	4	6	10	6								
	B	2	6	10	7	2	6	10	7	2	6	12	7	2	6	10	7	4	6	10	7								
Design Pressure		+120/-120				+120/-120				+120/-120				+112.8/-112.8															
102"	A	2	6	12	7	2	6	12	7	4	6	12	6	4	6	12	6												
	B	4	6	12	7	2	6	12	7	2	6	12	7	4	6	12	8												
Design Pressure		+120/-120				+120/-120				+114.3/-114.3				+99.8/-99.8															
108"	A	2	6	12	7	2	6	12	8	4	6	12	6	4	6	12	6												
	B	2	6	12	7	2	6	12	7	2	6	12	7	2	6	12	7												
Design Pressure		+120/-120				+118/-118				+106.1/-106.1																			
114"	A	2	6	12	6	2	6	12	8	4	6	12	6																
	B	2	6	12	7	2	6	12	7	2	6	14	8																
Design Pressure		+120/-120				+110.9/-110.9				+100/-100																			
120"	A	2	6	14	6	2	6	14	6	2	6	14	6																
	B	2	6	14	6	2	6	14	6	2	6	14	6																
Design Pressure		+118.9/-118.9				+104.9/-104.9																							
126"	A	2	6	14	6	2	6	14	6																				
	B	2	6	14	6	2	6	14	6																				
Design Pressure		+112.3/-112.3				+96.9/-96.9																							
132"	A	2	6	14	6	2	6	14	6																				
	B	2	6	14	6	2	6	14	6																				
Design Pressure		+106.7/-106.7				+92.4/-92.4																							
138"	A	2	6	14	6	2	6	14	6																				
	B	2	6	14	6	2	6	14	6																				
Design Pressure		+101.6/-101.6																											
144"	A	2	6	10	6																								
	B	2	6	10	6																								

HOOKSTRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOKSTRIP, PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS.

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL.

THE MAXIMUM DP AT THIS SIZE. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET.

TABLE C

[redacted]

FIG 1



TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED, THE LESSER VALUES OF TABLE 4 AND TABLE C DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO +DP'S SHOWN IN TABLE 4 MAY BE USED.

3) SEE SHEETS 18-21 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

SEE "REVISIONS" SHEET 1 JR

10/10/25

PREPARED BY: A. LYNN MILLER, P.E.
TECHNOLOGY DRIVE
N. VENICE, FL

ALUMINUM SLIDING GLASS DOOR (SM)

DP AND ANCHOR QTY TABLE 4

07/10/22

JENS RUSSOWSKI

8100-SM

6 OF 24

SGD8100A

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

TABLE 5:

Design Pressure and Anchor Quantities Required

100' Cantilevered Reinforced Glass All Glass Types	Nominal Panel Width | Panel (DLO) Width / Actual Leaf Width																							
	20" (Nom.)				42" (Nom.)				60" (Nom.)				84" (Nom.)				120" (Nom.)				144" (Nom.)			
Overhang Heights	0'-6 1/2" (DLO)				0'-6 5/16" (DLO)				0'-6 1/16" (DLO)				0'-5 13/16" (DLO)				0'-5 5/8" (DLO)				0'-5 5/16" (DLO)			
Frame Height / Anchor Zones	Mullion	Jamb	Head	Sill	Mullion	Jamb	Head	Sill	Mullion	Jamb	Head	Sill	Mullion	Jamb	Head	Sill	Mullion	Jamb	Head	Sill	Mullion	Jamb	Head	Sill
Design Pressure	+113/-113				+106/-106				+100/-100				+92/-92				+77/-77				+70/-70			
90" A	3	4	10	5	3	5	11	5	4	5	10	5	4	5	10	5	4	5	10	5	5	5	10	5
90" B	3	4	10	5	3	5	10	5	3	4	10	5	4	5	10	5	4	5	10	5	4	5	10	5
Design Pressure	+97/-97				+106/-106				+100/-100				+92/-92				+77/-77							
96" A	3	5	10	5	3	5	10	6	4	5	10	5	4	5	10	5	4	5	10	5				
96" B	3	4	10	5	3	4	10	5	3	4	10	5	4	4	10	5	4	5	10	5				
Design Pressure	+108/-108				+106/-106				+100/-100				+92/-92											
102" A	3	5	10	5	3	5	10	5	4	5	10	5	4	5	10	5								
102" B	3	4	10	5	3	5	10	5	4	5	10	5	4	5	10	5								
Design Pressure	+108/-108				+106/-106				+100/-100				+92/-92											
108" A	3	5	10	5	3	5	10	5	4	5	10	5	4	5	10	5								
108" B	3	5	10	5	3	5	10	5	3	5	10	5	4	5	10	5								
Design Pressure	+100/-100				+106/-106				+100/-100															
114" A	3	5	10	5	3	5	10	5	4	5	10	5												
114" B	3	5	10	5	3	5	10	5	3	5	10	5												
Design Pressure	+100/-100				+106/-106				+100/-100															
120" A	3	5	10	5	3	5	10	5	4	5	10	5												
120" B	3	5	10	5	3	5	10	5	3	5	10	5												
Design Pressure	+100/-100				+106/-106																			
126" A	3	5	10	5	3	5	10	5																
126" B	3	5	10	5	3	5	10	5																
Design Pressure	+100/-100																							
132" A	3	5	10	5																				
132" B	3	5	10	5																				
Design Pressure	+100/-100																							
138" A	3	5	10	5																				
138" B	3	5	10	5																				
Design Pressure	+100/-100																							
144" A	3	5	10	5																				
144" B	3	5	10	5																				

HOR/SILL = TOTAL # OF ANCHORS REQUIRED THROUGH THE HORIZONTAL PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 3 PANELS

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL

THE MAXIMUM DP AT THIS SIZE ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

FIG 1:



TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 5 AND TABLE C DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S SHOWN IN TABLE 5 MAY BE USED.

3) SEE SHEETS 16-21 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-3 TRACKS AND ALL PANEL CONFIGURATIONS.

TABLE C:

SEE REVISION SHEET FOR DETAILS

ALUMAWORK SYSTEMS, INC.
ENGINEERING DEPARTMENT
2121 E. 7th PLACE
LOS ANGELES, CA 90021
(213) 627-2525

PREPARED BY: [illegible]
STATE REGISTRATION #: [illegible]
DATE: [illegible]

PROJECT NAME: [illegible]
PROJECT #: [illegible]
ADDRESS: [illegible]
CITY, STATE, ZIP: [illegible]

ALUMAWORK SLIDING GLASS DOOR SERIES

SHEET TITLE: TABLE 5 & TABLE C

SHEET #: 15

SERIES: 9000

REVISION #: [illegible]

DATE: 01/01/20

DESIGNED BY: [illegible]

REVISIONS: [illegible]

ARTHUR LYNN MILLS
LICENSED
No. 99999
STATE OF
CALIFORNIA
PROFESSIONAL ENGINEER

TABLE B

If Configuration Has Leaf Wide Active Stile	Design Pressure and Anchor Quantities Required																			
	Nominal Panel Width / Panel (SLD) Width / Anchor / Jamb																			
	30" (Nom.)				42" (Nom.)				48" (Nom.)				58" (Nom.)				82" (Nom.)			
Narrow Stile(A/C)	11" (SLD)				34" (SLD)				42" (SLD)				49" (SLD)				69" (SLD)			
Frame Height	Anchor Group	Wall/Head	Outside Jamb	Inside Jamb	Meeting Stile	Wall/Head	Outside Jamb	Inside Jamb	Meeting Stile	Wall/Head	Outside Jamb	Inside Jamb	Meeting Stile	Wall/Head	Outside Jamb	Inside Jamb	Meeting Stile	Wall/Head	Outside Jamb	Inside Jamb	Meeting Stile
Design Pressure		+50 / -50				+50 / -50				+50 / -50				+50 / -50				+50 / -50			
80"	A	2	4	10	4	2	3	11	4	2	5	12	5	4	8	12	6	4	8	12	7
	C	4	4	10	3	3	4	10	3	3	6	12	5	4	8	12	6	4	8	12	6
Design Pressure		+50 / -50				+50 / -50				+50 / -50				+50 / -50							
84"	A	2	4	10	4	2	5	11	5	2	6	12	6	4	8	12	6				
	C	2	4	10	4	2	5	11	5	2	6	12	6	4	8	12	6				
Design Pressure		+50 / -50				+50 / -50				+50 / -50				+50 / -50							
90"	A	2	4	10	4	2	5	11	5	2	6	12	6	4	8	12	6				
	C	2	4	10	4	2	5	11	5	2	6	12	6	4	8	12	6				
Design Pressure		+50 / -50				+50 / -50				+50 / -50											
96"	A	2	4	10	4	2	5	11	5	2	6	12	6								
	C	2	4	10	4	2	5	11	5	2	6	12	6								
Design Pressure		+50 / -50				+50 / -50				+50 / -50											
102"	A	2	4	12	5	2	5	12	6	2	6	12	7								
	B	2	4	12	5	2	6	12	6	4	6	14	8								
Design Pressure		+50 / -50				+50 / -50				+50 / -50											
108"	A	2	4	12	5	2	6	12	6	2	6	12	7								
	C	2	5	12	5	2	6	12	7	2	6	12	7								
Design Pressure		+50 / -50				+50 / -50				+50 / -50											
114"	A	2	5	12	5	2	6	12	7	2	6	13	7								
	C	2	5	12	5	2	6	12	7	2	6	13	7								
Design Pressure		+50 / -50				+50 / -50				+50 / -50											
120"	A	2	5	14	6	2	6	14	6	2	6	14	6								
	C	2	5	14	6	2	6	14	6	2	6	14	6								
Design Pressure		+50 / -50				+50 / -50															
126"	A	2	4	14	6	2	6	14	6												
	C	2	4	14	6	2	6	14	6												
Design Pressure		+50 / -50				+50 / -50															
132"	A	2	4	16	6	2	6	16	6												
	C	2	4	14	6	2	6	16	6												
Design Pressure		+50 / -50																			
144"	A	2	4	16	6																
	C	2	4	16	6																

HOR/SSTEP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HORIZONTAL PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 3 PANELS

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL

THE MAXIMUM DP AT THIS SIZE ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

FIG 1:

OH LENGTH

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE.

OH HEIGHT

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE II AND TABLE C DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S SHOWN IN TABLE 5 MAY BE USED.

3) SEE SHEETS 16-21 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

TABLE C

REVISIONS	
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
DATE:	
SCALE:	
JOB NO.	
SHEET NO.	

ALUMINUM SLIDING GLASS DOOR (SGD)
DP AND ANCHOR QTY TABLES

SGD0816A

TABLE 7:

52" or 1/2" Config. Nominal Sizes, All Glass Types

Design Pressure and Anchor Quantities Required

Nominal Panel Width / Prime D.L.O. Width / Anchor Location

Frame Height	Anchor Group	36" (Nom.) 34" (D.L.O.)				42" (Nom.) 38" (D.L.O.)				48" (Nom.) 42" (D.L.O.)				54" (Nom.) 48" (D.L.O.)				60" (Nom.) 54" (D.L.O.)				66" (Nom.) 60" (D.L.O.)				72" (Nom.) 66" (D.L.O.)			
		Midpanel	Cluster	Jamb	Hookstrip	Midpanel	Cluster	Jamb	Hookstrip	Midpanel	Cluster	Jamb	Hookstrip	Midpanel	Cluster	Jamb	Hookstrip	Midpanel	Cluster	Jamb	Hookstrip	Midpanel	Cluster	Jamb	Hookstrip	Midpanel	Cluster	Jamb	Hookstrip
Design Pressure		+75/-75				+75/-75				+75/-75				+75/-75				+75/-75				+75/-75				+75/-75			
80"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	5	4	4	10	6	4	6	10	6
	B	4	4	10	5	2	4	10	6	2	4	10	5	2	4	10	6	4	4	10	5	4	4	10	6	4	4	10	6
Design Pressure		+75/-75				+75/-75				+75/-75				+75/-75				+75/-75				+75/-75							
84"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	6	10	6	4	6	10	6				
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6	4	4	10	7				
Design Pressure		+75/-75				+75/-75				+75/-75				+75/-75				+75/-75											
90"	A	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	6	10	6								
	B	2	4	10	6	2	4	10	6	2	4	10	6	2	4	10	6	4	4	10	6								
Design Pressure		+75/-75				+75/-75				+75/-75				+75/-75				+69.2/-69.2											
96"	A	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	6	12	7								
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7	4	4	12	7								
Design Pressure		+75/-75				+75/-75				+75/-75				+71.5/-71.5															
102"	A	2	4	12	7	2	4	12	7	2	6	12	7	2	4	12	7												
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7												
Design Pressure		+75/-75				+75/-75				+71.4/-71.4				+61.1/-61.7															
108"	A	2	6	12	7	2	6	12	7	2	6	12	7	2	6	12	7												
	B	2	4	12	7	2	4	12	7	2	4	12	7	2	4	12	7												
Design Pressure		+75/-75				+73.1/-73.1				+66.7/-66.7																			
114"	A	2	6	12	7	2	6	12	7	2	6	12	7																
	B	2	4	12	7	2	4	12	7	2	4	12	7																
Design Pressure		+75/-75				+65.3/-65.3				+60.5/-60.5																			
120"	A	2	6	14	8	2	6	14	8	2	6	14	8																
	B	2	4	14	8	2	4	14	8	2	4	14	8																
Design Pressure		+74.5/-74.5				+66.3/-66.3																							
126"	A	2	6	14	8	2	6	14	8																				
	B	2	4	14	8	2	4	14	8																				
Design Pressure		+70.2/-70.2				+61.3/-61.3																							
132"	A	2	6	14	8	2	6	14	8																				
	B	2	4	14	8	2	4	14	8																				
Design Pressure		+63.7/-63.7				+56/-56																							
138"	A	2	6	14	8	2	6	14	8																				
	B	2	4	14	8	2	4	14	8																				
Design Pressure		+53.3/-53.8																											
144"	A	2	6	16	9																								
	B	2	4	16	9																								

HOOKSTRIP = TOTAL # OF ANCHORS REQUIRED THROUGH THE HOOKSTRIP, PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB.

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 2 PANELS.

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL.

THE MAXIMUM DP AT THIS SIZE. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET.

TABLE C:

FIG 1:



DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT ARE EXEMPTED FROM WATER INFILTRATION RESISTANCE.

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE 7 AND TABLE C DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DPS SHOWN IN TABLE 7 MAY BE USED.

3) SEE SHEETS 16-21 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

SEE "REVISIONS" SHEET 1 JR

10/10/25

ALUMINUM SLIDING GLASS DOOR (SM)

DP AND ANCHOR QTY TABLE 7

JENS ROSOWSKI

07/11/22

9 OF 34

SGD8100A

8100-SM

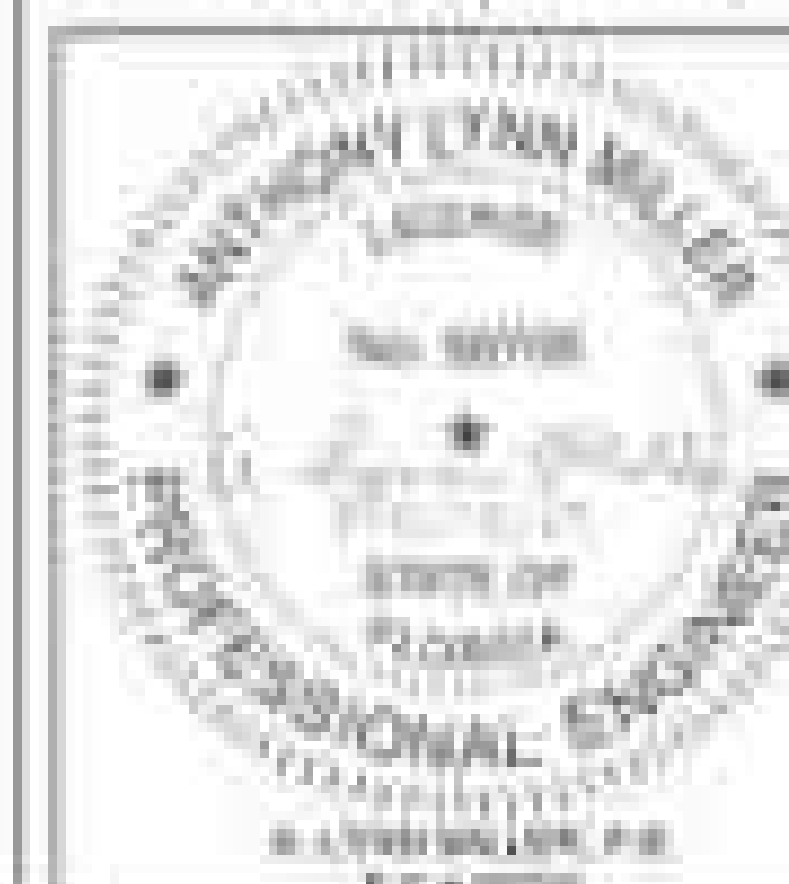


TABLE B

5", 80° or 120° Entry Reinforced Steel Anchor Type	Design Pressure and Anchor Quantities Required																							
	Number noted (HEAD / Panel (HJ) (MM) / Anchor Location)																							
	20" (Horiz.)				42" (Horiz.)				60" (Horiz.)				54" (Horiz.)				84" (Horiz.)				72" (Horiz.)			
Frame Height	18" (O.C.)				36" (O.C.)				42" (O.C.)				48" (O.C.)				54" (O.C.)				60" (O.C.)			
	Mullion	Jamb	Rail	Corner	Mullion	Jamb	Rail	Corner	Mullion	Jamb	Rail	Corner	Mullion	Jamb	Rail	Corner	Mullion	Jamb	Rail	Corner	Mullion	Jamb	Rail	Corner
Design Pressure	+/-[50.1]				+/-[41.7]				+/-[35]				+/-[30.1]				+/-[24.8]				+/-[21]			
60" A	3	4	10	5	3	4	10	5	2	4	10	5	4	5	10	5	4	4	10	5	4	4	10	5
60" B	3	4	10	5	3	4	10	5	2	4	10	5	3	4	10	5	4	4	10	5	4	4	10	5
Design Pressure	+/-[42.1]				+/-[35.1]				+/-[29.5]				+/-[25.3]				+/-[20.9]							
84" A	3	4	10	5	3	4	10	5	2	5	10	5	4	5	10	5	4	4	10	5				
84" B	3	4	10	5	3	4	10	5	2	4	10	5	3	4	10	5	4	4	10	5				
Design Pressure	+/-[37.1]*				+/-[32.1]*				+/-[27.5]*				+/-[23.3]*											
96" A	3	5	10	5	3	5	10	5	2	4	10	5	4	5	10	5								
96" B	3	4	10	5	3	4	10	5	2	5	10	5	3	5	10	5								
Design Pressure	+/-[31.1]*				+/-[27.1]*				+/-[23.1]*				+/-[19.4]*											
108" A	3	5	10	7	3	5	10	7	2	5	10	7	4	5	10	7								
108" B	3	4	10	7	3	5	10	7	2	5	10	7	3	5	10	7								
Design Pressure	+/-[26.1]*				+/-[23.1]*				+/-[20.1]*				+/-[16.9]*											
120" A	3	5	10	7	3	5	10	7	2	5	10	7	4	5	10	7								
120" B	3	5	10	7	3	5	10	7	2	5	10	7	3	5	10	7								
Design Pressure	+/-[22.1]*				+/-[19.1]*				+/-[16.1]*				+/-[13.9]*											
132" A	3	5	10	7	3	5	10	7	2	5	10	7	4	5	10	7								
132" B	3	5	10	7	3	5	10	7	2	5	10	7	3	5	10	7								
Design Pressure	+/-[18.1]*				+/-[15.1]*				+/-[12.1]*				+/-[9.9]*											
144" A	3	5	10	7	3	5	10	7	2	5	10	7	4	5	10	7								
144" B	3	5	10	7	3	5	10	7	2	5	10	7	3	5	10	7								
Design Pressure	+/-[14.1]*				+/-[11.1]*				+/-[8.1]*															
156" A	3	5	10	7	3	5	10	7	2	5	10	7												
156" B	3	5	10	7	3	5	10	7	2	5	10	7												
Design Pressure	+/-[10.1]*				+/-[7.1]*				+/-[4.1]*															
168" A	3	5	10	7	3	5	10	7	2	5	10	7												
168" B	3	5	10	7	3	5	10	7	2	5	10	7												
Design Pressure	+/-[6.1]*				+/-[3.1]*																			
180" A	3	5	10	7	3	5	10	7																
180" B	3	5	10	7	3	5	10	7																

THE MAXIMUM DP AT THIS SIZE ADDITIONALLY, THE MINIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE NOTES, THIS SHEET

FIG 1:



TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF TABLE B AND TABLE C DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S SHOWN IN TABLE B MAY BE USED.

3) SEE SHEETS 16-21 FOR ANCHOR LOCATIONS & SPACING.

4) TABLE APPLIES TO ALL FRAMES WITH 2-5 TRACKS AND ALL PANEL CONFIGURATIONS.

HOR/STIFF = TOTAL # OF ANCHORS REQUIRED THROUGH THE HORIZ/STIFF, PERPENDICULAR TO THE GLASS.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB

CLUSTER = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL AT THE MEETING POINT OF 3 PANELS

MIDPANEL = TOTAL # OF ANCHORS THROUGH THE HEAD & SILL REQUIRED AT THE MIDSPAN OF PANEL

TABLE C

SEE REVISION SHEET FOR DETAILS

REVISIONS

DESIGNED BY: JNR

DATE: 01/11/21

DRAWN BY: JNR

CHECKED BY: JNR

PROJECT #: 6008RA

PREPARED BY: ALUMAWORKS ENGINEERING 1 ALUMAWORKS WAY, SUITE 1 ANYTOWN, USA 12345 PHONE: (123) 456-7890 FAX: (123) 456-7891

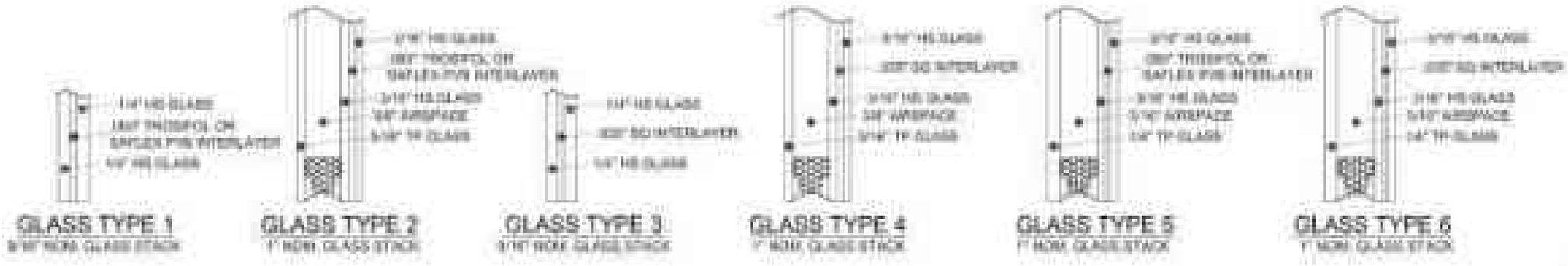
ALUMAWORKS SLIDING GLASS DOOR (SGD)

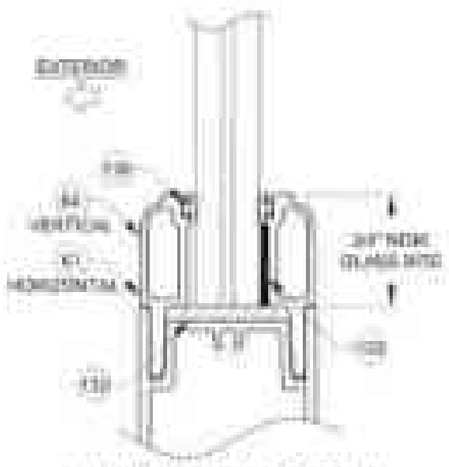
6P AND 8P HOR/CLUSTER CITY TABLES

SHEET NO: 15 OF 32

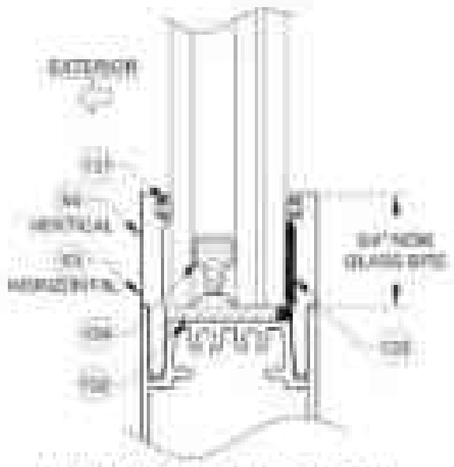
SGD6RA

JEREMY LYNN MILLS — LICENSE — No. 99999 — STATE OF FLORIDA — PROFESSIONAL ENGINEER — 1 ALUMAWORKS WAY, STE 1 ANYTOWN, FL 12345





LAMI. GLAZING DETAIL



LAMI. IG GLAZING DETAIL

TABLE D

Glass Type	SM Glazing Description (Listed from Exterior to Interior)
1	9/16" LAMI. 1/4" HS - 0.060" PVB - 1/4" HS
2	1" LAMI IG: 3/16" TP Cap - 3/8" Airspace - 3/16" HS - 0.060" PVB - 3/16" HS
3	9/16" LAMI. 1/4" HS - 0.030" SG - 1/4" HS
4	1" LAMI IG: 3/16" TP Cap - 3/8" Airspace - 3/16" HS - 0.030" SG - 3/16" HS
5	1" LAMI IG: 1/4" TP Cap - 5/16" Airspace - 3/16" HS - 0.060" PVB - 3/16" HS
6	1" LAMI IG: 1/4" TP Cap - 5/16" Airspace - 3/16" HS - 0.030" SG - 3/16" HS

HS = HEAT STRENGTHENED
TP = TEMPERED
TROSIFOL PVB & SG IDENTIFY GLASS INTERLAYERS BY KURARAY AMERICA INC.
SAFLEX PVB INTERLAYERS BY EASTMAN CHEMICAL COMPANY

ISSUE/REVISION	DATE
PERMIT SET - FLA/DOS	10/10/25

PREPARED BY & ORIGINAL SIGNATURE OF:
ANTHONY LYNN MILLER
LICENSE
No. 66708
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E. # 66708

ANTHONY LYNN MILLER
LICENSE
No. 66708
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ALUMINUM SLIDING GLASS DOOR (SH)

GLAZING DETAILS

SEQUENCE: 11 OF 24

SHEET NUMBER: A-10.1

INSTALLATION NOTES:

1) DETAILS APPLY TO 2, 3, 4 AND 5 TRACK CONFIGURATIONS. INSTALLATION ANCHORS AND SUBSTRATE DETAILS MAY APPLY TO ANY FRAME LOCATION.

2) SEE TABLE A FOR SPECIFIC REQUIREMENTS PER THE ANCHOR AND SUBSTRATE BEING USED.

3) SEE SHEETS 10(2) FOR ANCHOR LOCATIONS & SPACING. FOR ANCHOR QUANTITIES, SEE TABLES 1-4.

4) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

5) IF A PANEL IS TO BE FIXED INLINE TO ANOTHER PANEL (10X), INSTALL ANCHORS AS SHOWN AT 4" FROM TOP AND BOTTOM OF PANEL AND AT MIDPOINT. 6 ANCHORS TOTAL.

6) IF A PANEL IS TO BE FIXED TO THE JAMB, USE A 2-CLIP AT 24" FROM TOP AND BOTTOM OF PANEL AND AT MIDPOINT. 3 2-CLIPS TOTAL, EACH WITH 6 ANCHORS.

7) ATTACH SILL INSERT TO SILL PAN AT 9" FROM EACH END AND MAX. 18" O.C.

8) IF REINFORCEMENT IS REQUIRED AND SHOWN ATTACHED WITH AN ANCHOR, USE AN ANCHOR AT 9" FROM TOP AND BOTTOM OF PANEL AND AT MIDPOINT.

9) SEE TABLES 1-4 FOR REINFORCEMENT REQUIREMENTS. ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION.

10) SILL FLASHING (IF USED) VARIES WITH DESIGN PRESSURE REQUIREMENTS AND MUST BE FULLY SEALED BETWEEN THE FRAME AND SILL.

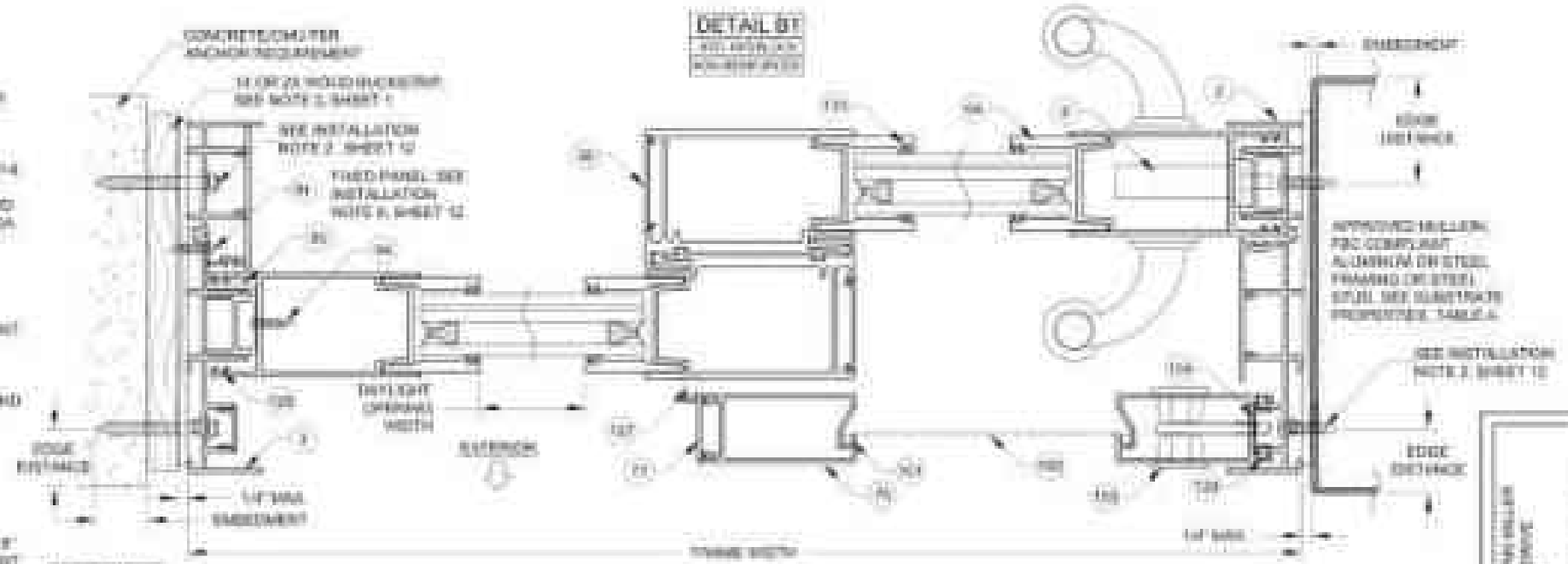
11) IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MAX. 1/4" THICK IS ACCEPTABLE. ZONE BY ZONES MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

12) SILL WEEPHOLES ARE 1" X 1/4" AND ARE LOCATED 6" (9" FROM EACH JAMB AND AT THE MEETING POINT OF 2 ADJACENT PANELS.

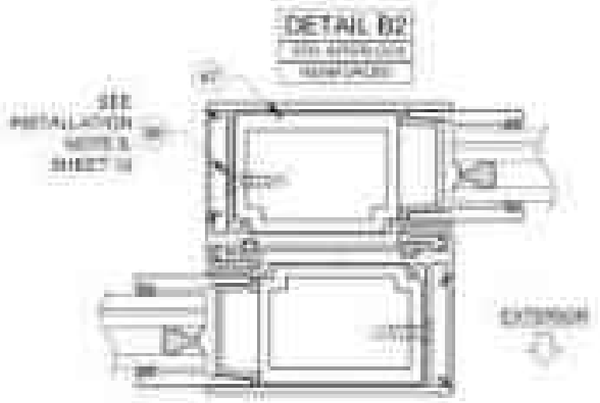
13) STANDARD ANCHOR LOCATIONS SHOWN. ANCHORS MAY BE LOCATED IN ANY ADJACENT TRACK AS REQUIRED TO MEET MIN. EDGE DISTANCE CONSTRAINTS.

NOTES:

1) GLAZING MAY BE EITHER MONOLITHIC OR INSULATED IN ANY CONFIGURATION.



HORIZONTAL X-SECTION



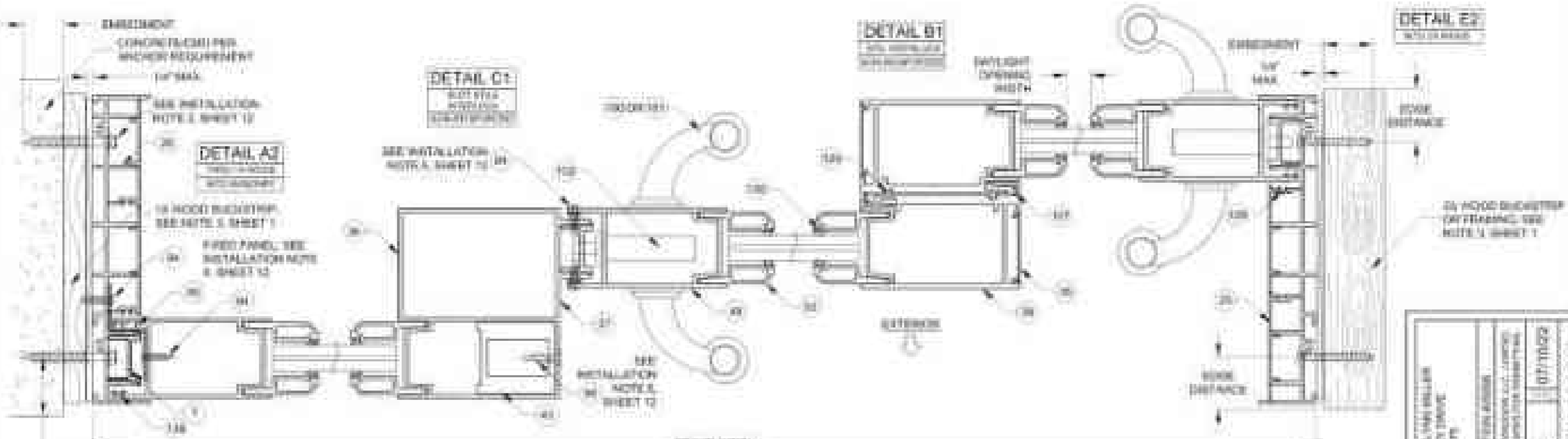
HORIZONTAL X-SECTION

•OLD WIDTH + NOM. STD. PANEL WIDTH - 1 1/16"
•OLD WIDTH + NOM. MIRROR INTERLOCK PANEL WIDTH - 9" (1 SIDE W/ MIRROR INTERLOCK)

SITE REVISIONS SHEET NUMBER

#	DESCRIPTION	SHEET #
1	ADDED SLIDING DOOR SERIES	10 OF 15
2	INSTALLATION DETAILS	SERIES 1000

ANTHONY LYNN MILLS
LICENSE
No. 66708
STATE OF FLORIDA
PROFESSIONAL ENGINEER



HORIZONTAL X-SECTION

HORIZONTAL X-SECTION

DUST PACK PANEL #101 SHOULD BE INSTALLED INTO THE THE HEADER WHERE 2 PANELS ADJACENT MEET

NOTES:

1) SEE INSTALLATION NOTES 6, SHEET 12.
2) GLAZING MAY BE EITHER MONOLITHIC OR INSULATED IN ANY CONFIGURATION.

*GLS WIDTH = NOM. STD. PANEL WIDTH - 2 1/16"
*GLS WIDTH = NOM. NARROW INTERLOCK PANEL WIDTH - 6" (1 SIDE IN NARROW INTERLOCK)

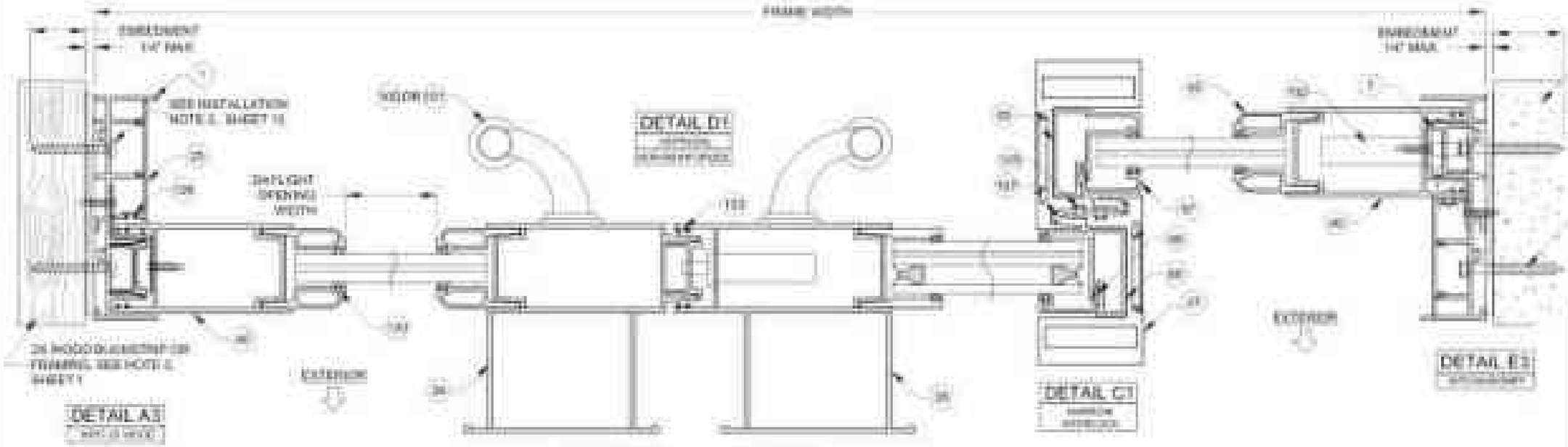
SEE REVISION SHEET A-R1

DRAWN BY	SNH
DATE	07/17/13
SCALE	1" = 1'-0"
JOB NO.	1 STACK INSTALLATION
SHEET NO.	13 OF 26
SIDE SEALS	

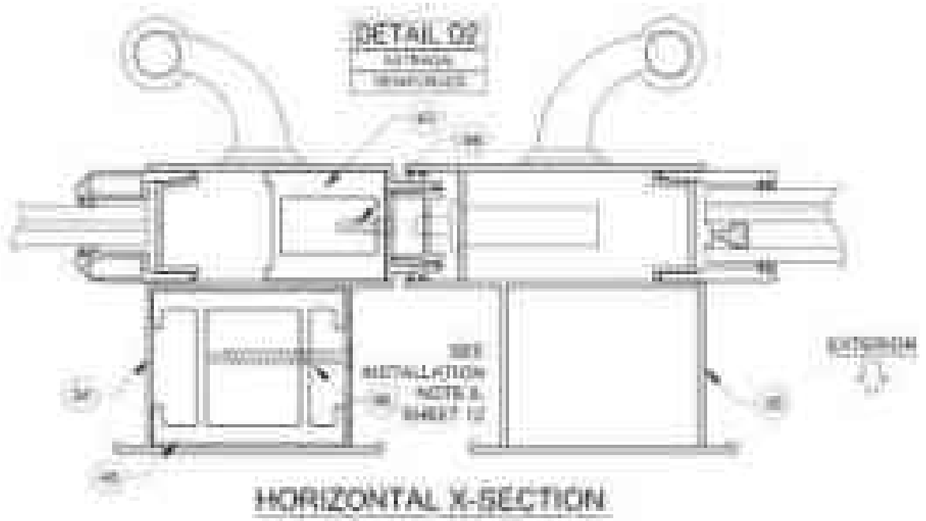
ALUMINUM SLIDING GLASS DOOR (SD)

PREPARED BY: A. LYNN MILLER, P.E.
FOR: ATRIUM DOOR AND WINDOW COMPANY OF AMERICA
ATRIUM DOOR AND WINDOW COMPANY OF AMERICA
1341 HORTON CIRCLE
ARLINGTON, TEXAS 76011
(817) 640-1000

ANTHONY LYNN MILLER
LICENSE
No. 92708
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E. # 92708



HORIZONTAL X-SECTION



HORIZONTAL X-SECTION

NOTES:

1) SEE INSTALLATION NOTES 8, SHEET 10.
2) GLAZING MAY BE EITHER MONOLITHIC OR INSULATED IN ANY CONFIGURATION.

*OUO WIDTH = ROW STL PANEL WIDTH - 1 1/16"
*OUO WIDTH = ROW NARROW INTERLOCK PANEL WIDTH - 9" (1 SIDE W/ NARROW INTERLOCK)

SITE REVISIONS - SHEET 1 OF 1

#	DATE	DESCRIPTION

PROJECT #	8108-RM
DRAWN BY	SNP
CHECKED BY	
DATE	02/11/10

PREPARED BY & CORRESPONDENCE TO:
MELVIN LYNN MILLS, P.E.
FLORIDA P.E. LICENSE NO. 56708
1000 NW 57TH COURT, SUITE 400
MIAMI, FL 33126
PHONE: 305.443.1100
FAX: 305.443.1101
E-MAIL: MLMILLS@BELLSOUTH.NET

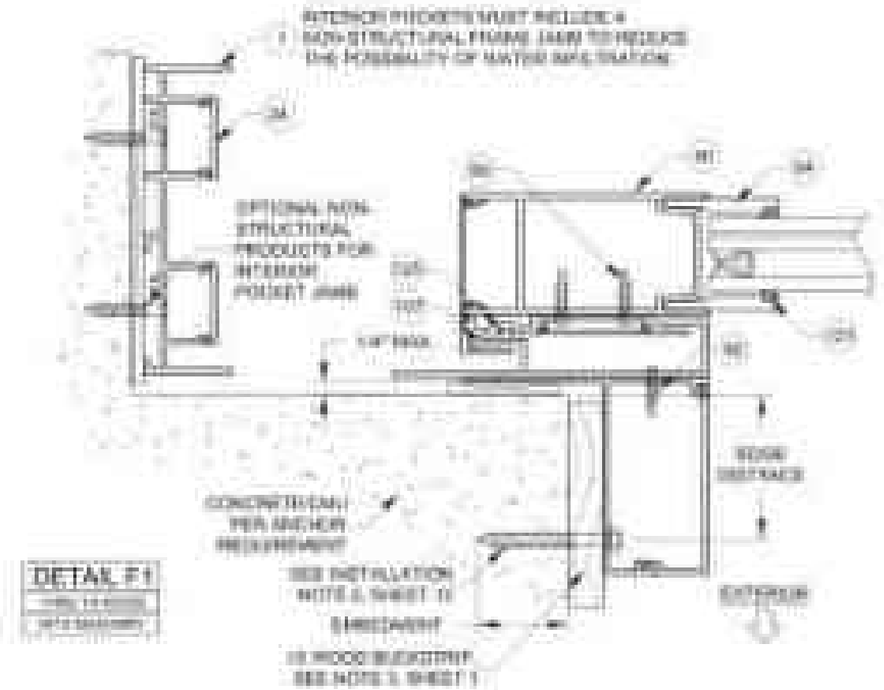
ALUMAWALL 50 SERIES GLASS DOOR SYSTEM

INSTALLATION DETAILS 1

SHEET NO. 14 OF 23

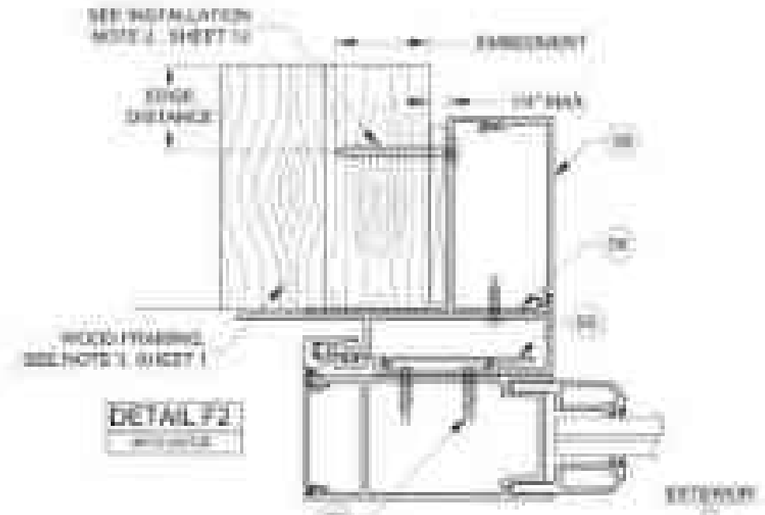
SERIES NO. 8108

MELVIN LYNN MILLS
LICENSE
No. 56708
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
M. LYNN MILLS, P.E.
FLA. LIC. NO. 56708



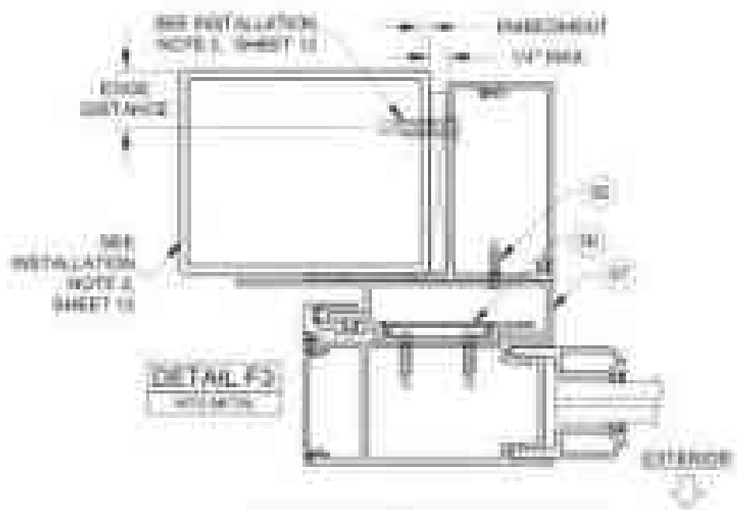
HORIZONTAL X-SECTION

LEFT INTERIOR POCKET



HORIZONTAL X-SECTION

LEFT EXTERIOR POCKET



HORIZONTAL X-SECTION

LEFT EXTERIOR POCKET

NOTES:

1) SEE INSTALLATION NOTES, SHEET 12.
2) GLAZING MAY BE EITHER MONOLITHIC OR INSULATED IN ANY CONFIGURATION.

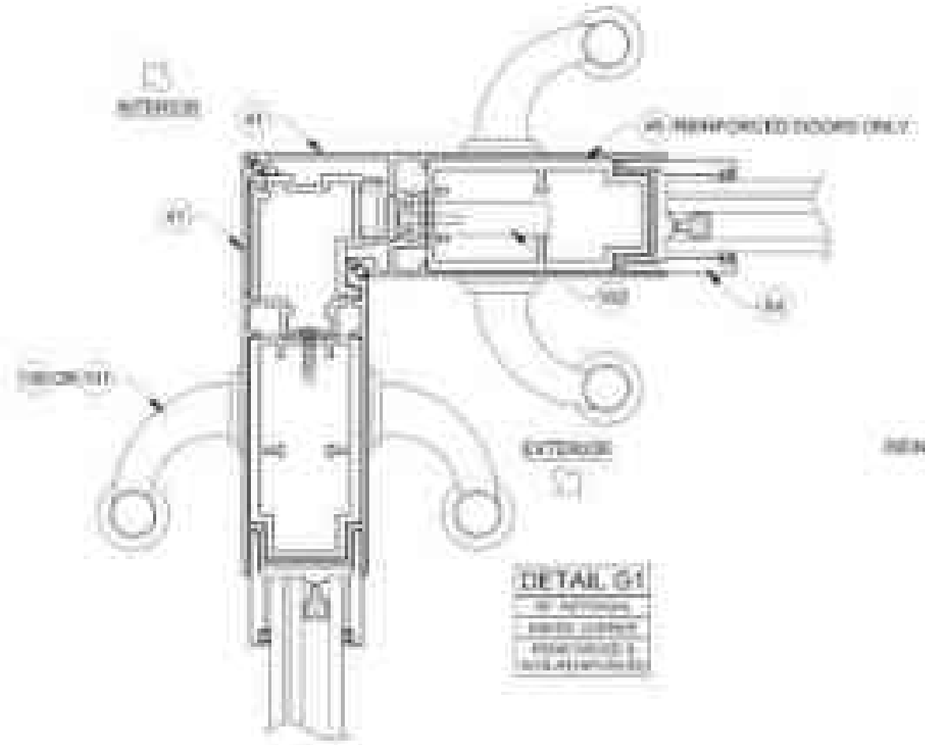
*OLD WIDTH = NOW STD. PANEL WIDTH - 2 1/16"
*OLD WIDTH = NOW NARROW INTERLOCK PANEL WIDTH - 9" (1 SIDE IN NARROW INTERLOCK)

REVISIONS	DATE	#
SEE REVISIONS SHEET 1 FOR		

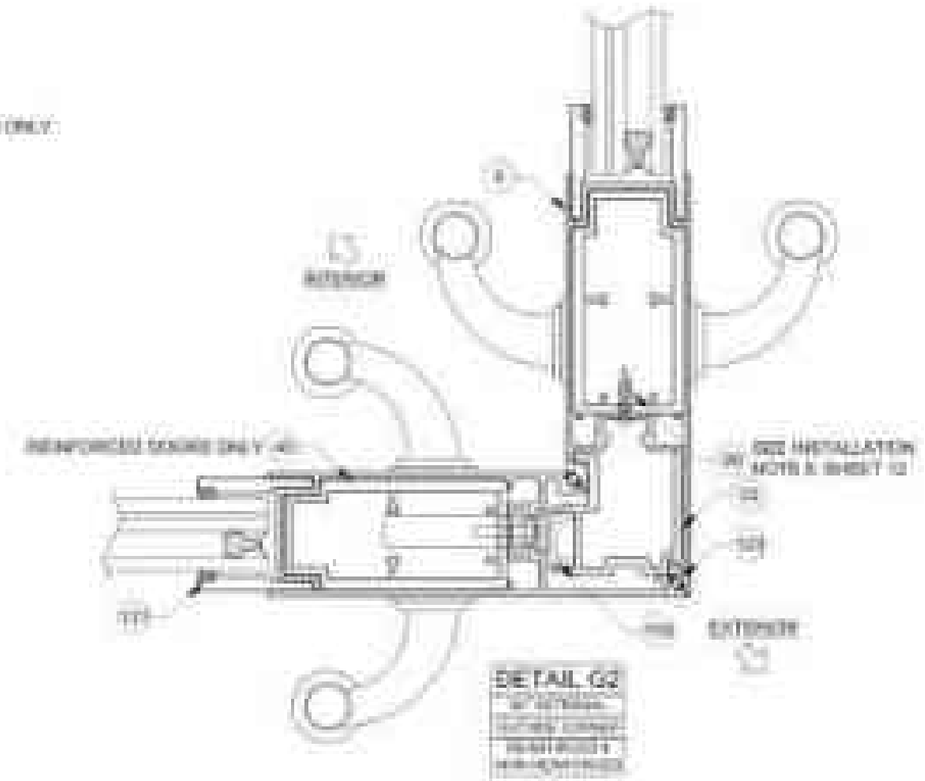
DESIGNED SNP	# 61788-RM
DRAWN SNP	
CHECKED	
02/17/10	
ALUMINUM SLIDING GLASS DOOR (SIN)	
INSTALLATION DETAILS 1	SHEET 11 OF 24
SEQUENCE	SEQ 61788A

PREPARED BY & ITS RESPONSIBLE CHARGE:
ANTHONY LYNN MILLER, P.E.
FLORIDA P.E. LICENSE NO. 56708
1 STONE BLVD. STE. 400
HATTIESBURG, MS 39402
601-450-1400
CERTIFICATE OF AUTHORIZATION #

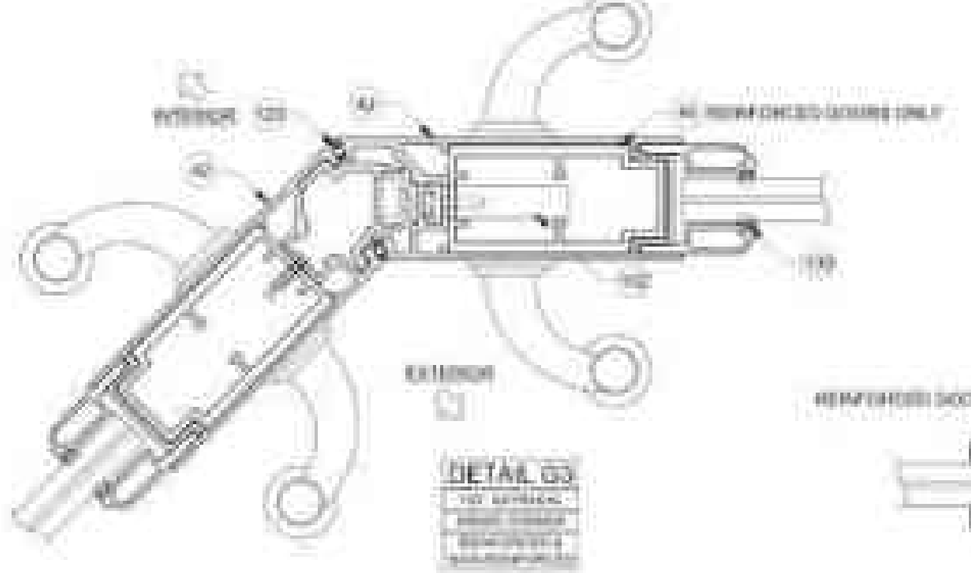
ANTHONY LYNN MILLER
LICENSE
No. 56708
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
F.C.# 56708



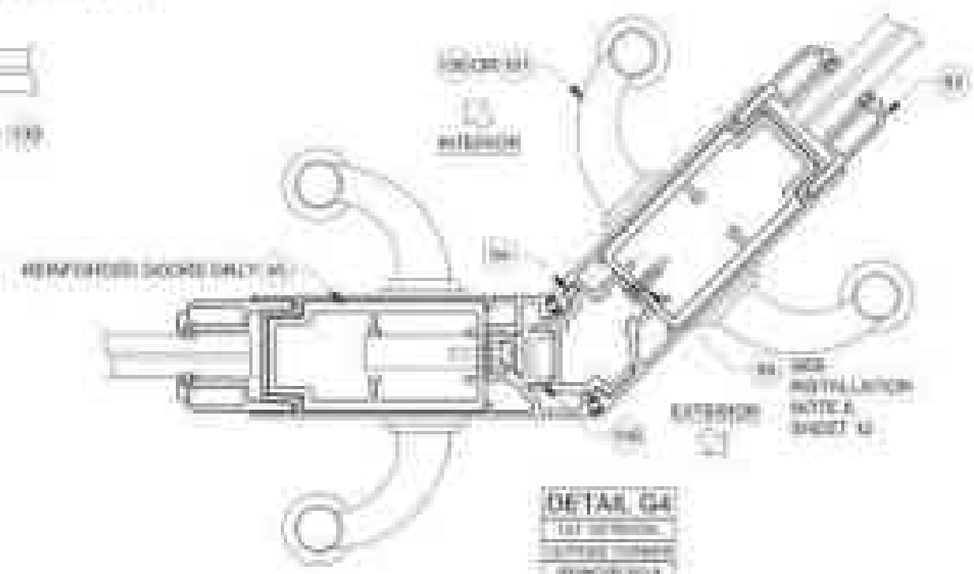
DETAIL G1



DETAIL G2



DETAIL G3



DETAIL G4

NOTES:

1) GLAZING MAY BE EITHER MONOLITHIC OR LAMINATED IN ANY CONFIGURATION

REVISIONS			
#	DESCRIPTION	DATE	APPROVED
1	PER FBC 8TH EDITION (2023)	01/17/24	

PROJECT NO.	8168.68
DESIGNED BY	SNP
DRAWN BY	JJ
CHECKED BY	
DATE	01/17/24

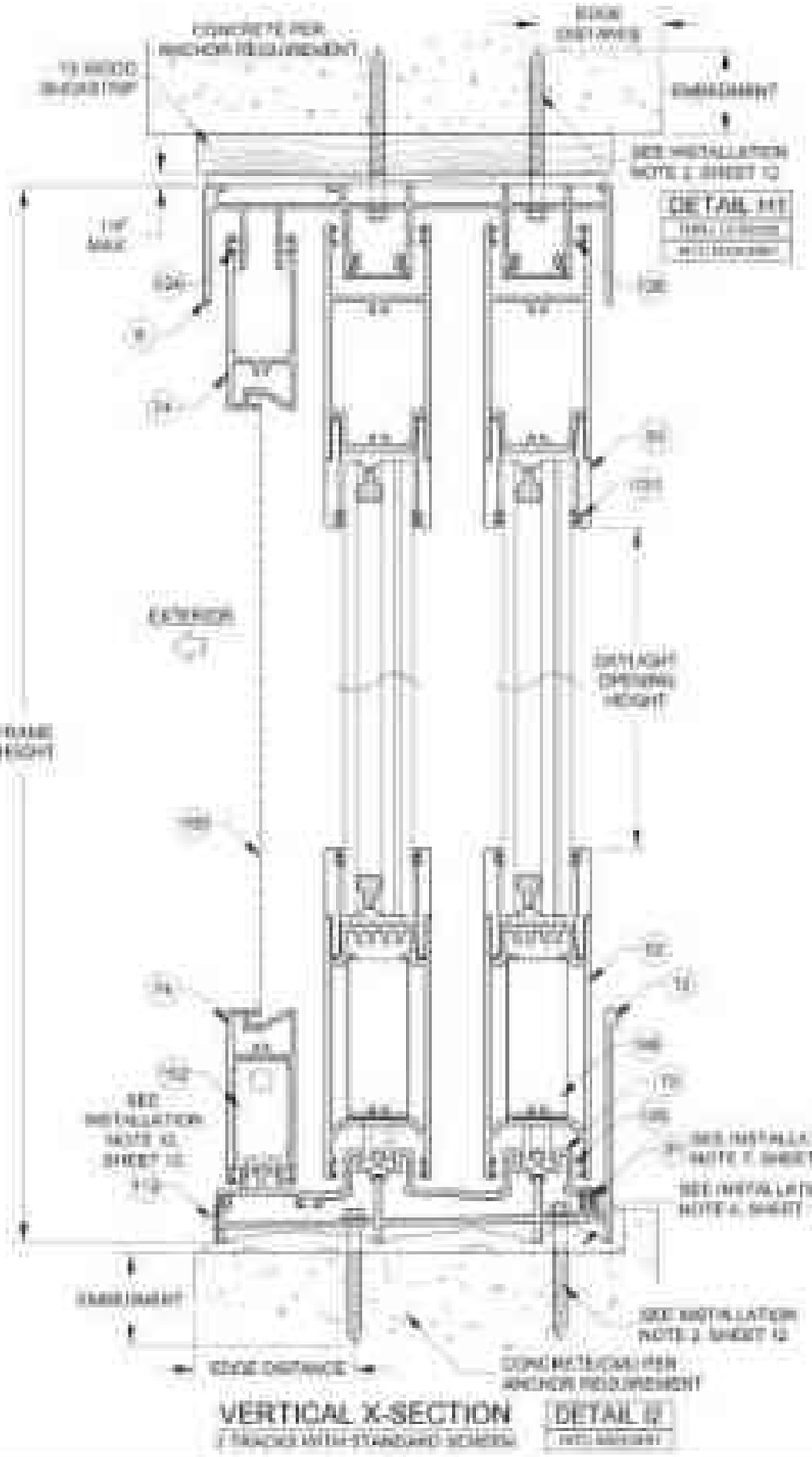
ALUMINUM SLIDING GLASS DOORS

CORNER DETAILS

SHEET NO. 10 OF 24

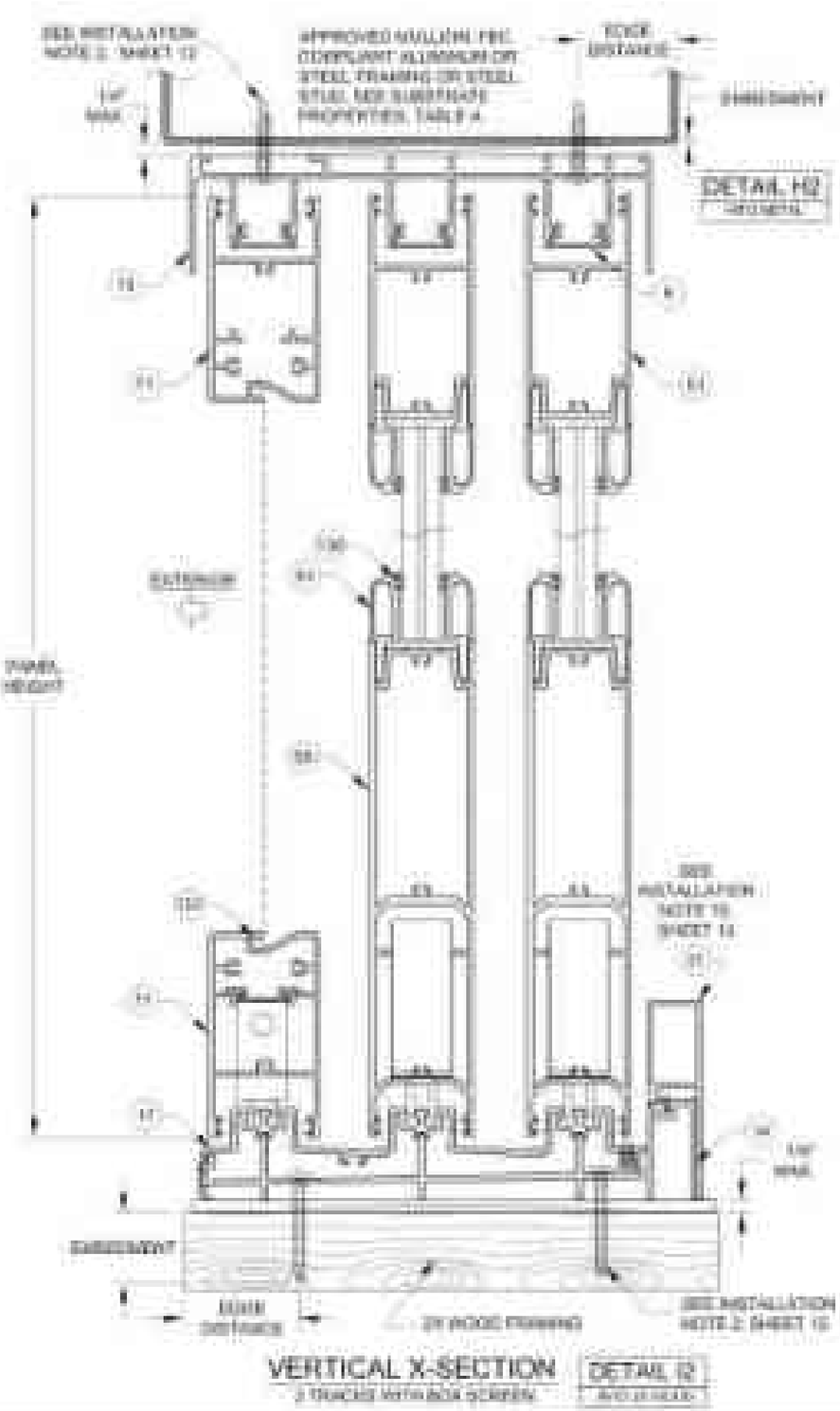
SSDER04

ANTHONY LYNN WILLIS
LICENSE
No. 66708
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN WILLIS, P.E.
FE # 66708



VERTICAL X-SECTION — DETAIL I1

2 TRACKS WITH STANDARD SCREEN



VERTICAL X-SECTION — DETAIL I2

2 TRACKS WITH BOX SCREEN

- SLD HEIGHT = PANEL HEIGHT - 5-1/2" (BTW. BOT. RAIL)
- SCC HEIGHT = PANEL HEIGHT - 0.75" (TALL BOT. RAIL)
- PANEL HEIGHT = BOOD HEIGHT - 1-5/16"

NOTES:

1) SEE INSTALLATION NOTES, SHEET 12.
2) GLAZING MAY BE EITHER MONOLITHIC OR LAMINATED IN ANY CONFIGURATION.

#	DATE	REVISIONS / SHEET NUMBER
1	03/11/20	UPDATED SNAP

ALUMINUM SLIDING GLASS DOORS

INSTALLATION DETAILS

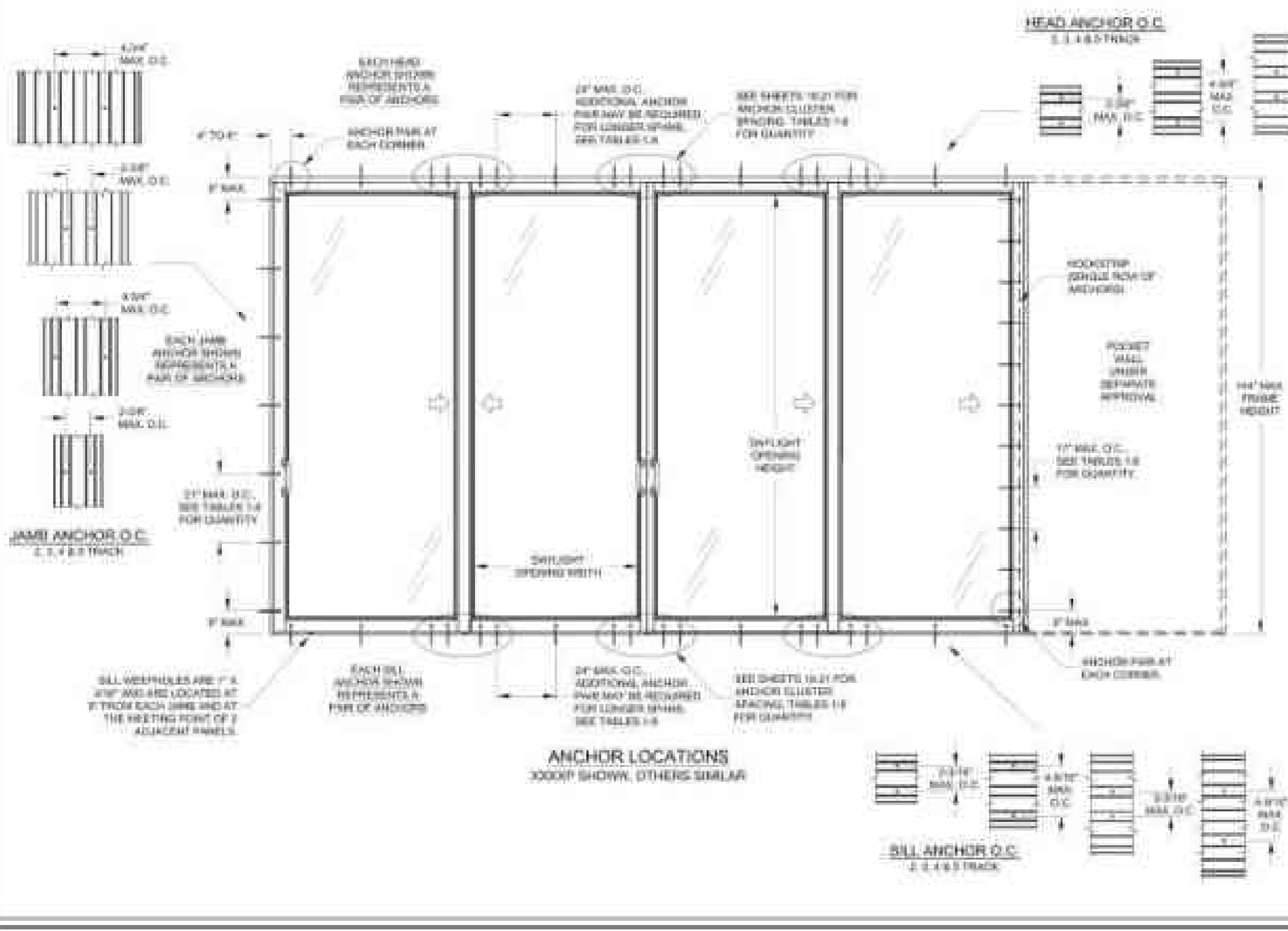
SHEET NO. I1 OF I2

SEBRING

DESIGNED BY: K. LYNN MILLER
CERTIFICATE OF AUTHORIZATION NUMBER
CONROE, FL 34474
PHONE: 936.539.1199

PREPARED BY: K. LYNN MILLER
CERTIFICATE OF AUTHORIZATION NUMBER
CONROE, FL 34474
PHONE: 936.539.1199

K. LYNN MILLER
LICENSE
No. 66708
STATE OF FLORIDA
PROFESSIONAL ENGINEER
K. LYNN MILLER, P.E.
FE • 66708


HEAD ANCHOR O.C.
JAMB ANCHOR O.C.
ANCHOR LOCATIONS
SILL ANCHOR O.C.
NOTES:
1) TYPICAL MIN. (4) DRIVEWAY SHOWN.
ANCHOR PAIR AT EACH CORNER
SEE SHEETS 10-21 FOR ANCHOR CLUSTER SPACING TABLES 1-8 FOR QUANTITY
SKYLIGHT OPENING WIDTH
SKYLIGHT OPENING HEIGHT
ROOFSTOP SINGLE ROW OF ANCHORS
POCKET WALL UNDER SEPARATE APPROVAL
144" MAX FRAME HEIGHT
SEE REVISIONS SHEET A-JR
ALUMINUM SLIDING GLASS DOOR (SD)
ANCHOR LOCATIONS
SD0816SA
SHEET
2 OF 21
REVISIONS
DRAWN BY SNJR
DATE 07/17/19
#16-9914

ASTRAGAL OR INTERLOCK ℄

4 ANCHOR CLUSTER O.C.
2 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

6 ANCHOR CLUSTER O.C.
2 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

8 ANCHOR CLUSTER O.C.
2 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

10 ANCHOR CLUSTER O.C.
2 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

4 ANCHOR CLUSTER O.C.
3 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

6 ANCHOR CLUSTER O.C.
3 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

8 ANCHOR CLUSTER O.C.
3 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

10 ANCHOR CLUSTER O.C.
3 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

4 ANCHOR CLUSTER O.C.
4 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

6 ANCHOR CLUSTER O.C.
4 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

8 ANCHOR CLUSTER O.C.
4 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

10 ANCHOR CLUSTER O.C.
4 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

4 ANCHOR CLUSTER O.C.
5 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

6 ANCHOR CLUSTER O.C.
5 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

8 ANCHOR CLUSTER O.C.
5 TRACKS, STRAIGHT UNIT

ASTRAGAL OR INTERLOCK ℄

10 ANCHOR CLUSTER O.C.
5 TRACKS, STRAIGHT UNIT

NOTES:

1. TYPICAL MAX. O.C. DIMENSIONS SHOWN.
2. HEAD SHOWN WILL SIMILAR.

SITE REVISIONS SHEET # | DATE

WINDOOR

ALUMINUM SLIDING GLASS DOOR

ANCHOR SPACING

SSDS WNA

1 of 24

DESIGNED SNH

DRAWN

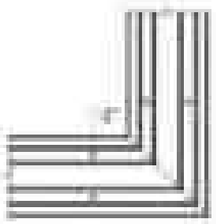
CHECKED

DATE 8/10/18

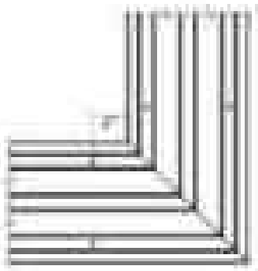
PROJECT #

PREPARED BY: A. LYNN MILLER
FLORIDA REGISTERED ENGINEER
FLORIDA CERTIFICATE OF AUTHORIZATION #
ADDRESS
PHONE #

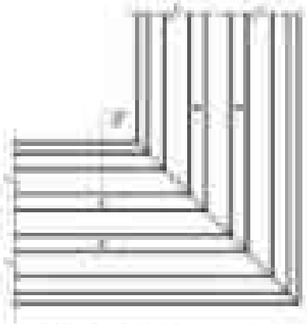
AMERICAN LYNN MILLER
LICENSE
No. 59708
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E. # 59708



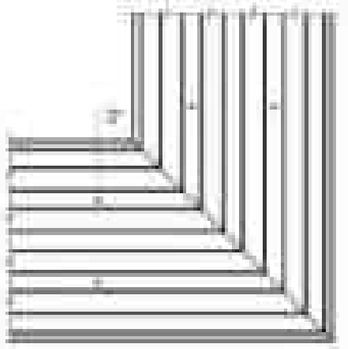
4 ANCHOR CLUSTER O.C.
2 TRACK, 90° UNIT



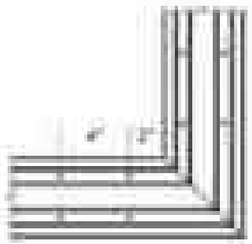
4 ANCHOR CLUSTER O.C.
3 TRACK, 90° UNIT



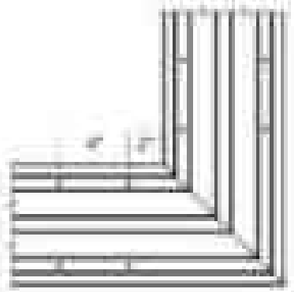
4 ANCHOR CLUSTER O.C.
4 TRACK, 90° UNIT



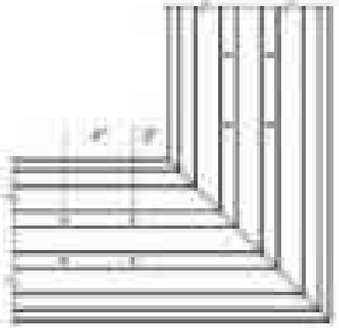
4 ANCHOR CLUSTER O.C.
5 TRACK, 90° UNIT



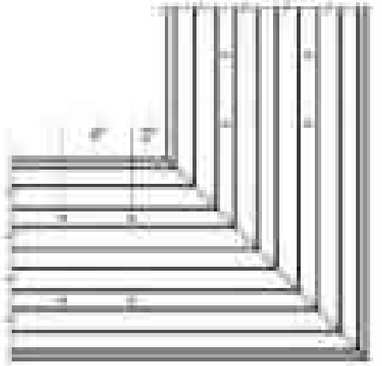
8 ANCHOR CLUSTER O.C.
2 TRACK, 90° UNIT



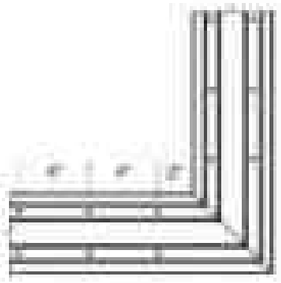
8 ANCHOR CLUSTER O.C.
3 TRACK, 90° UNIT



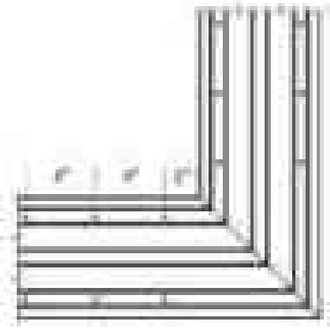
8 ANCHOR CLUSTER O.C.
4 TRACK, 90° UNIT



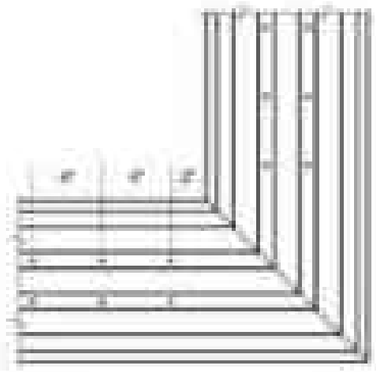
8 ANCHOR CLUSTER O.C.
5 TRACK, 90° UNIT



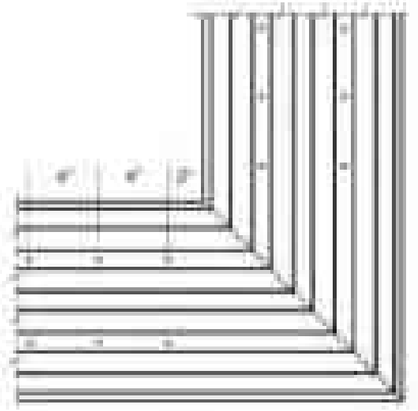
12 ANCHOR CLUSTER O.C.
2 TRACK, 90° UNIT



12 ANCHOR CLUSTER O.C.
3 TRACK, 90° UNIT



12 ANCHOR CLUSTER O.C.
4 TRACK, 90° UNIT



12 ANCHOR CLUSTER O.C.
5 TRACK, 90° UNIT

NOTES:

1. TYPICAL MAX. O.C. DIMENSIONS SHOWN.

2. CORNER TRACKS MAY BE INSIDE OR OUTSIDE.

3. CORNER ANCHOR CLUSTERS WILL BE PUNCHED IN MULTIPLES OF 4, EQUAL NUMBERS OF ANCHORS WILL BE ON EACH SIDE OF THE CORNER MITER.

SITE REVISIONS SHEET NO. (IF ANY)

#	DATE

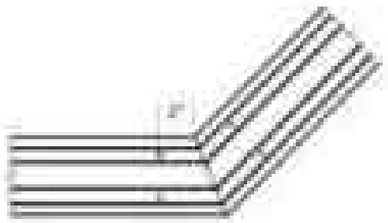
DRAWING SIZE	11"x17"
DRAWN BY	
CHECKED BY	
DATE	01/11/22
SCALE	NTS
JOB NO.	
SHEET NO.	20 OF 24

ALUMINUM SLIDING GLASS DOOR

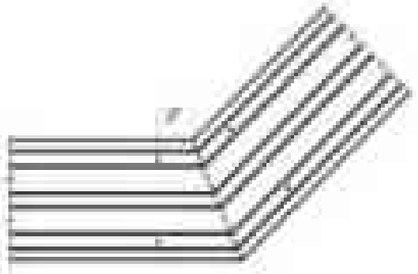
ANCHOR SPACING

SGD3180A

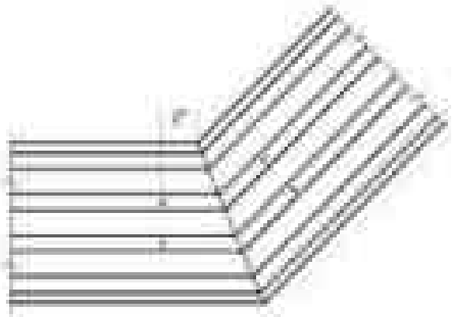




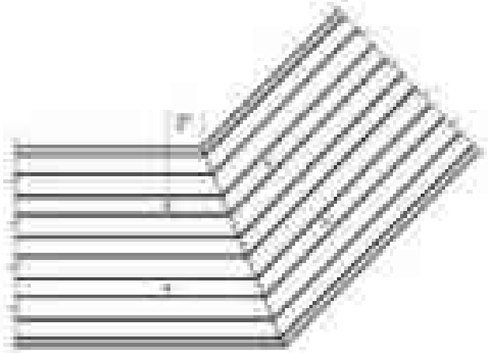
4 ANCHOR CLUSTER O.C.
2 TRACK 135° UNIT



4 ANCHOR CLUSTER O.C.
3 TRACK 135° UNIT



4 ANCHOR CLUSTER O.C.
4 TRACK 135° UNIT



4 ANCHOR CLUSTER O.C.
5 TRACK 135° UNIT

NOTES:

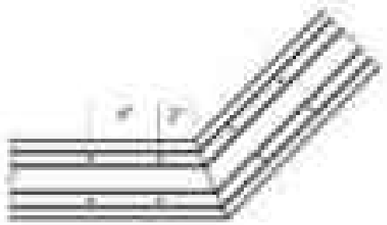
1) TYPICAL MAX. O.C. DIMENSIONS SHOWN

2) CORNER TRACKS MAY BE INSIDE OR OUTSIDE

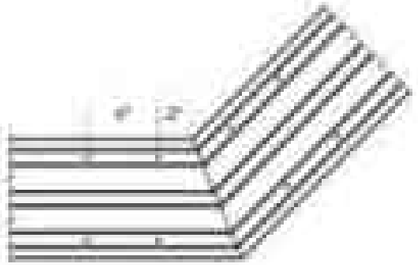
3) CORNER ANCHOR CLUSTERS WILL BE PUNCHED IN MULTIPLES OF 4, EQUAL NUMBERS OF ANCHORS WILL BE ON EACH SIDE OF THE CORNER MITER.

SITE REVISIONS SHEET A-JR

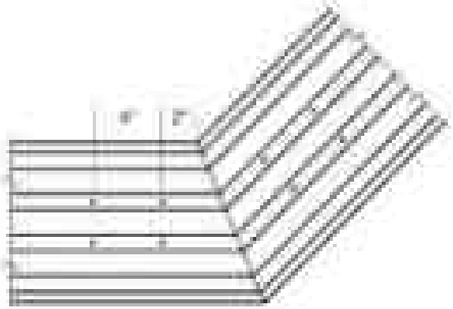
NO.	DATE	BY
1	02/01/24	JR



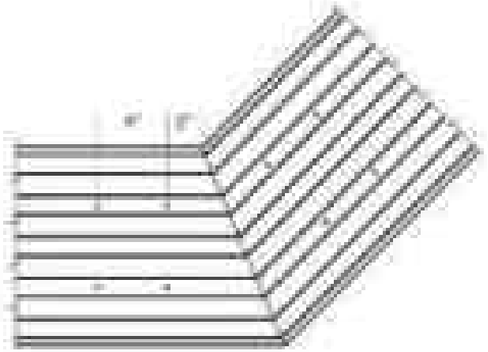
8 ANCHOR CLUSTER O.C.
2 TRACK 135° UNIT



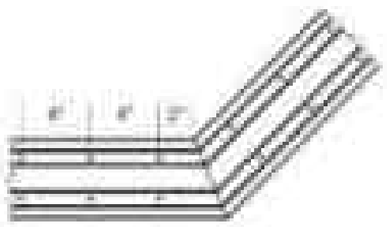
8 ANCHOR CLUSTER O.C.
3 TRACK 135° UNIT



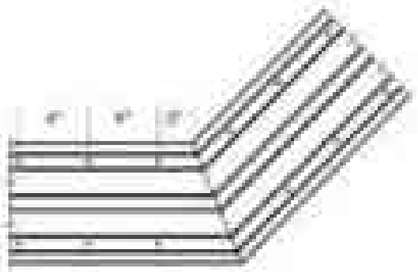
8 ANCHOR CLUSTER O.C.
4 TRACK 135° UNIT



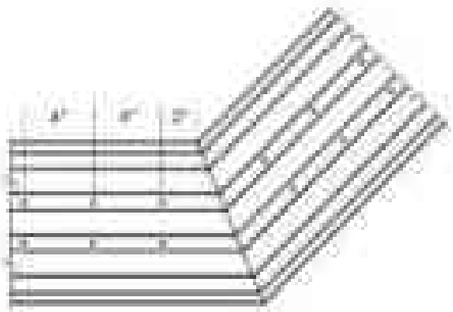
8 ANCHOR CLUSTER O.C.
5 TRACK 135° UNIT



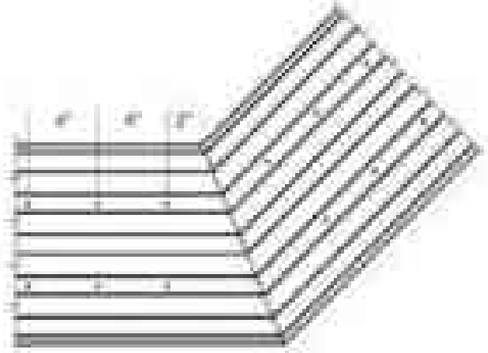
12 ANCHOR CLUSTER O.C.
2 TRACK 135° UNIT



12 ANCHOR CLUSTER O.C.
3 TRACK 135° UNIT



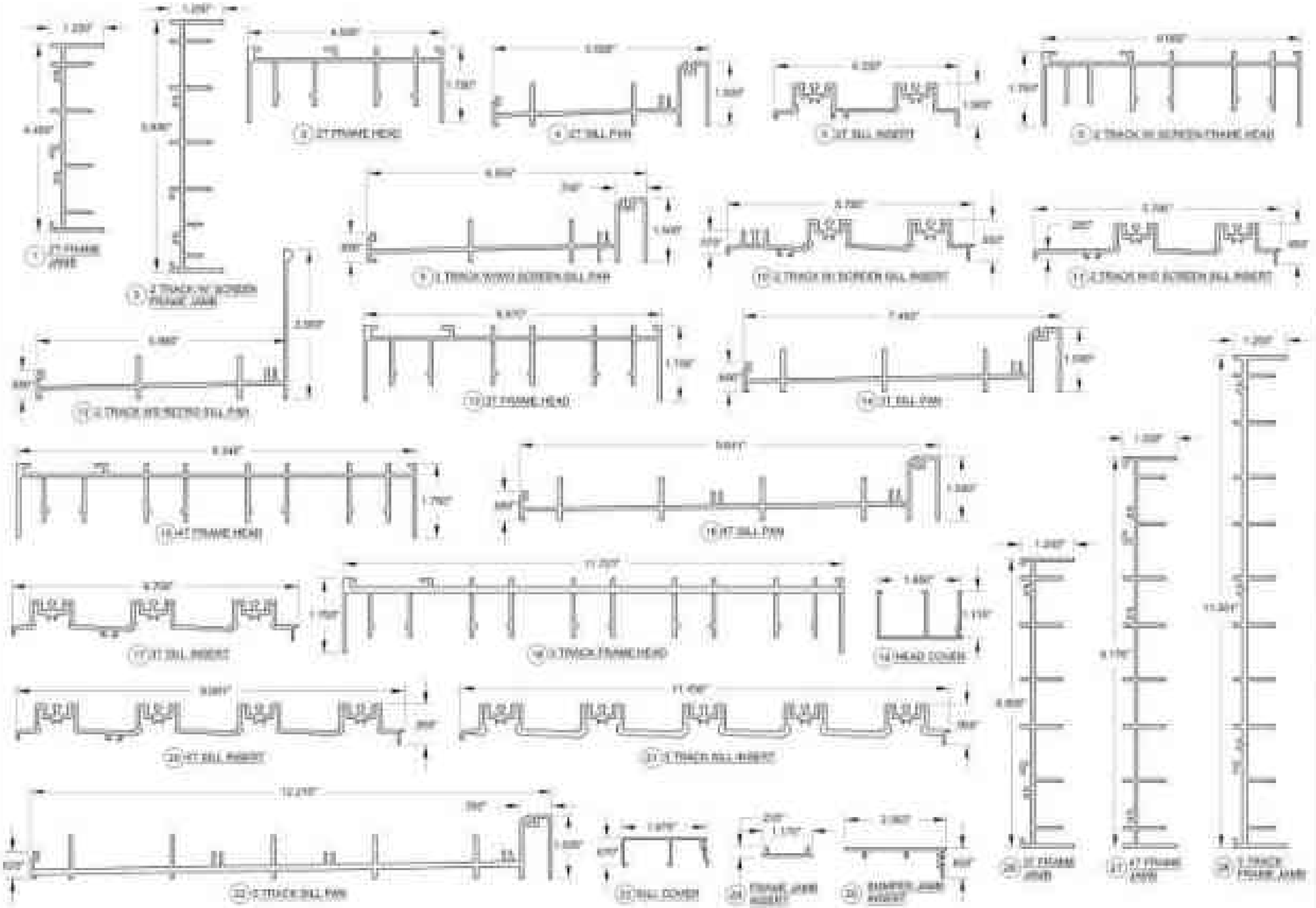
12 ANCHOR CLUSTER O.C.
4 TRACK 135° UNIT



12 ANCHOR CLUSTER O.C.
5 TRACK 135° UNIT

DESIGNED BY	MS-BM
DRAWN BY	JR
CHECKED BY	
DATE	02/01/24
SCALE	(as)
ALUMINUM SLIDING GLASS DOOR	
ANCHOR SPACING	
SHEET	21 OF 24
SEQUENCE	5

PREPARED BY:
ANTHONY LYNN MILLER
LICENSE
No. 59708
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E. # 59708

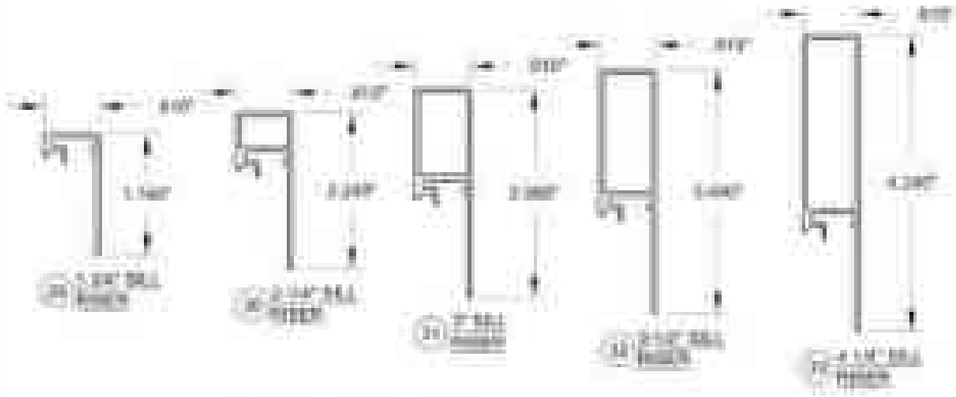


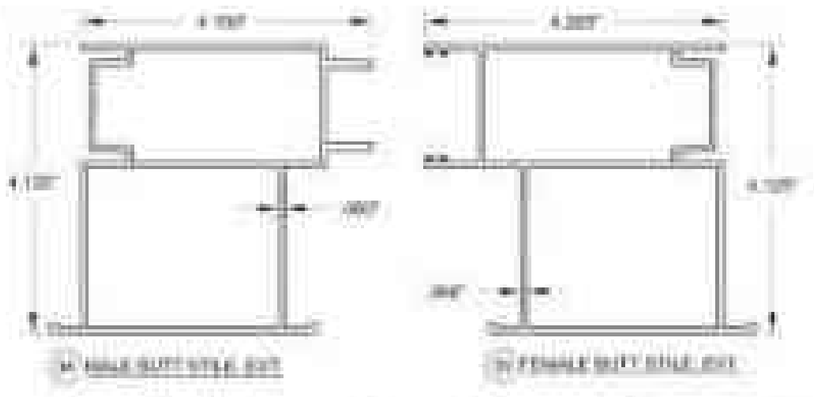
SITE REVISIONS SHEET A-R1 (04/2018) #

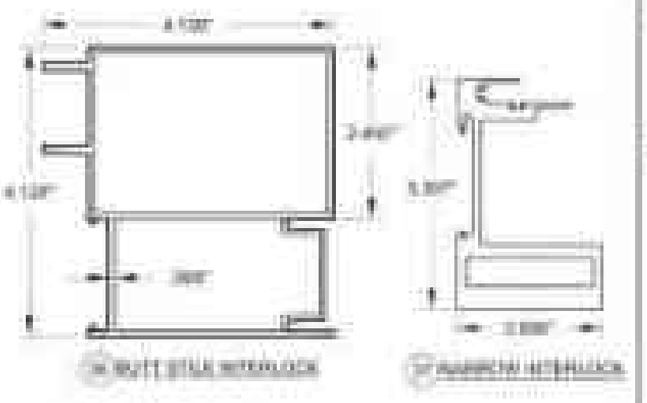
8100-BM	02/11/19	
DESIGNED SNS ROSCOWS	SNS	
ALUMINUM SLIDING GLASS DOOR (SD)	EXTRUSIONS 1	8 SERIES

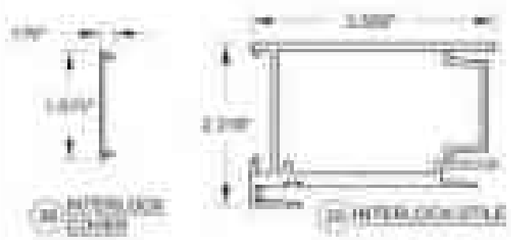
PREPARED BY & CONTACT PERSON: SNS
SITE PERMIT NUMBER:
SITE ADDRESS:
PROPERTY OWNER:
PROPERTY OWNER ADDRESS:
PROPERTY OWNER PHONE:
PROPERTY OWNER EMAIL:

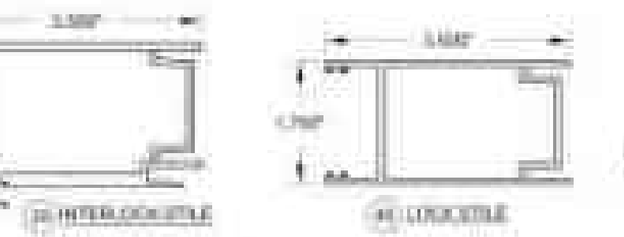
SHERIDAN LYNN MILLER
LICENSE
No. 60708
STATE OF FLORIDA
PROFESSIONAL ENGINEER
S. LYNN MILLER, P.E.
P.E. # 60708





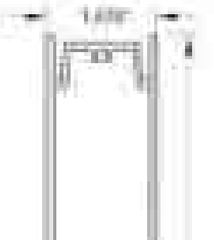














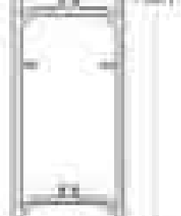




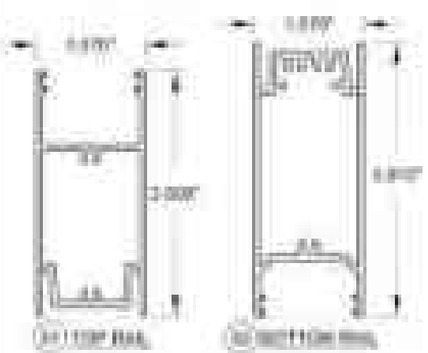


















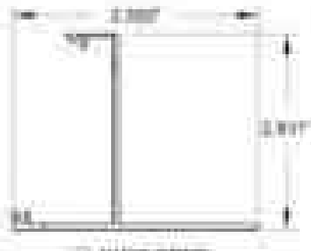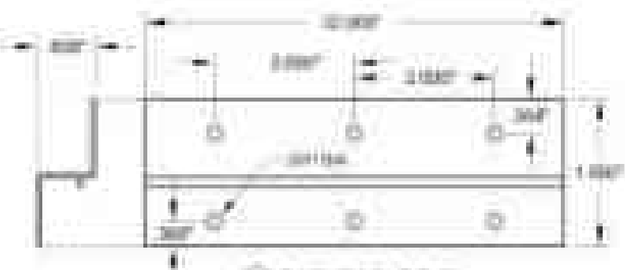
















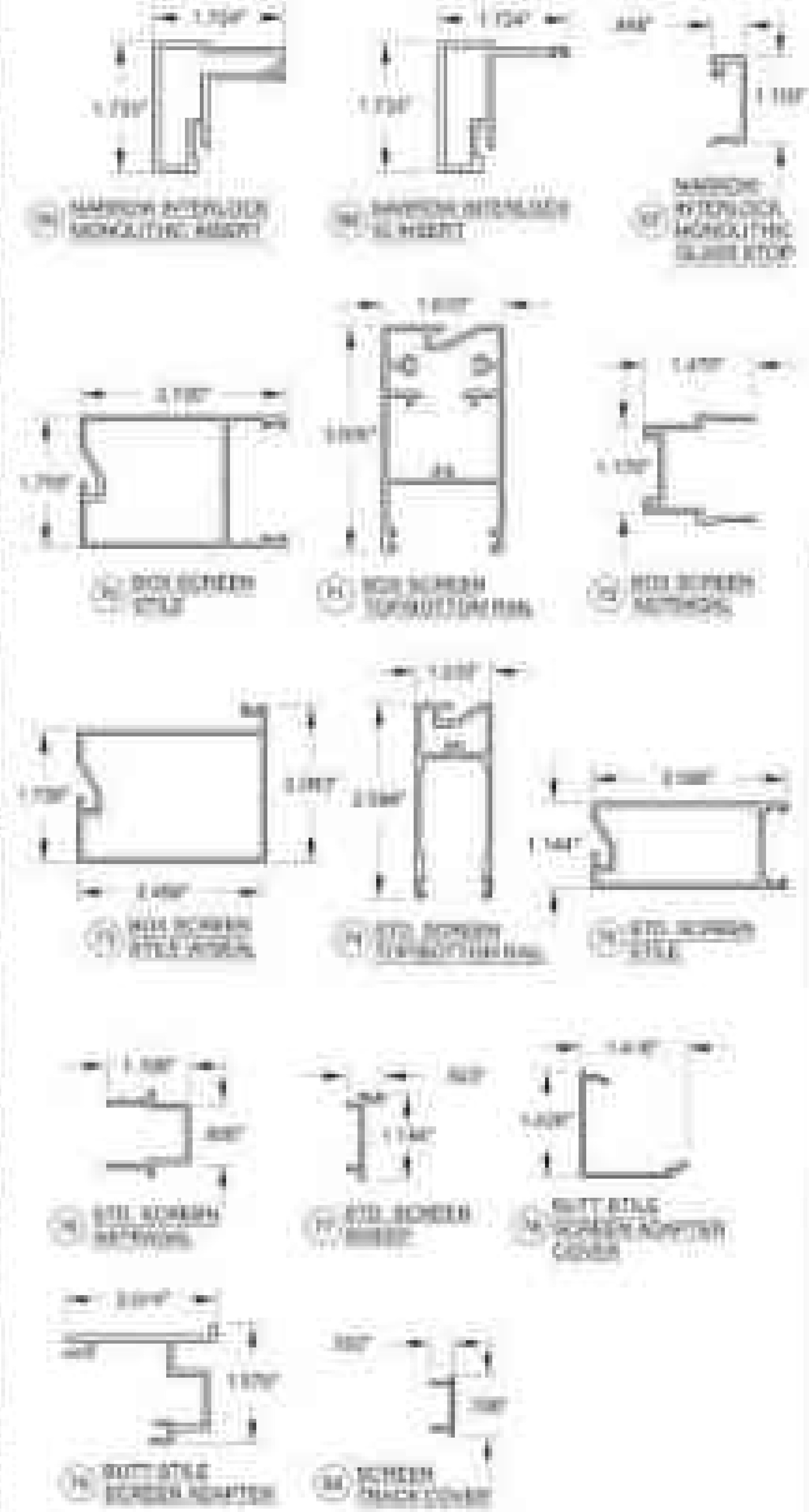


SEE REVISION SHEET FOR REVISIONS
#
DESCRIPTION
DATE
ALUMINUM SLIDING GLASS DOOR (SD)
EXTRUSIONS 2
SCALE: NTS
SHEET #
22 OF 24
SSD2-EXT
PREPARED BY & CONTACT INFO
ALUMINUM LYNN ROLLS
LICENSE
No. 00000
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN ROLLS, P.E.
P.E. # 00000

TABLE 1

ITEM #	PART #	DESCRIPTION	MATERIAL
[illegible]	[illegible]	[illegible]	[illegible]

ITEM #	PART #	DESCRIPTION	MATERIAL
[illegible]	[illegible]	[illegible]	[illegible]



SEE "REVISIONS" SHEET 1, JR

WINDOOR

ALUMINUM SLIDING GLASS DOOR (SM)

BOM & EXTRUSIONS

24 OF 24

