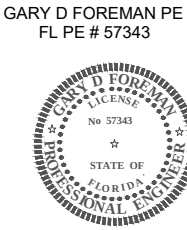


STORM SMART, INC.
ROLL-UP SCREEN MULLIONS

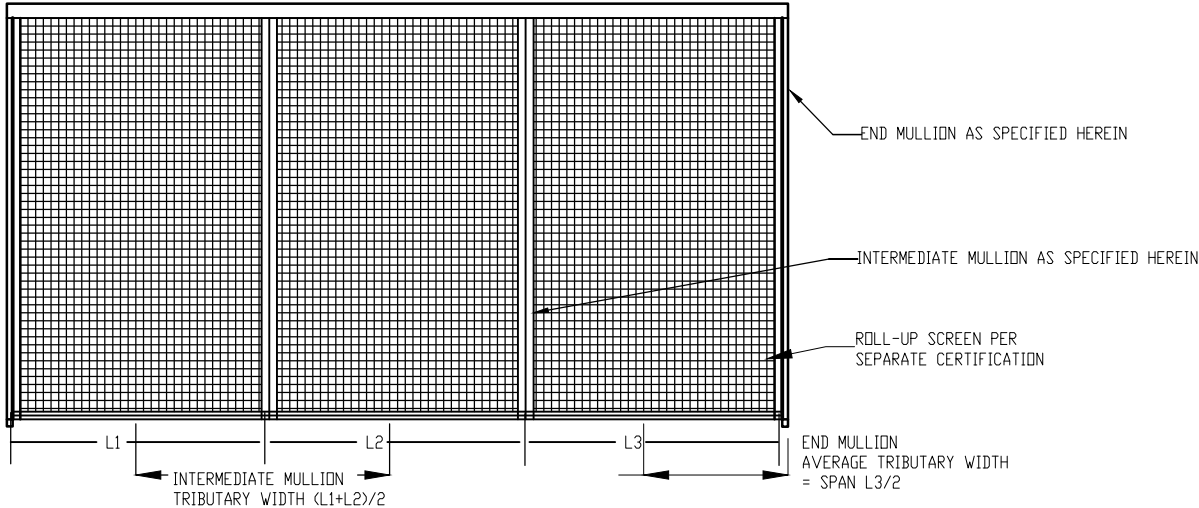
HVHZ AND NON-HVHZ

Gary D
Foreman

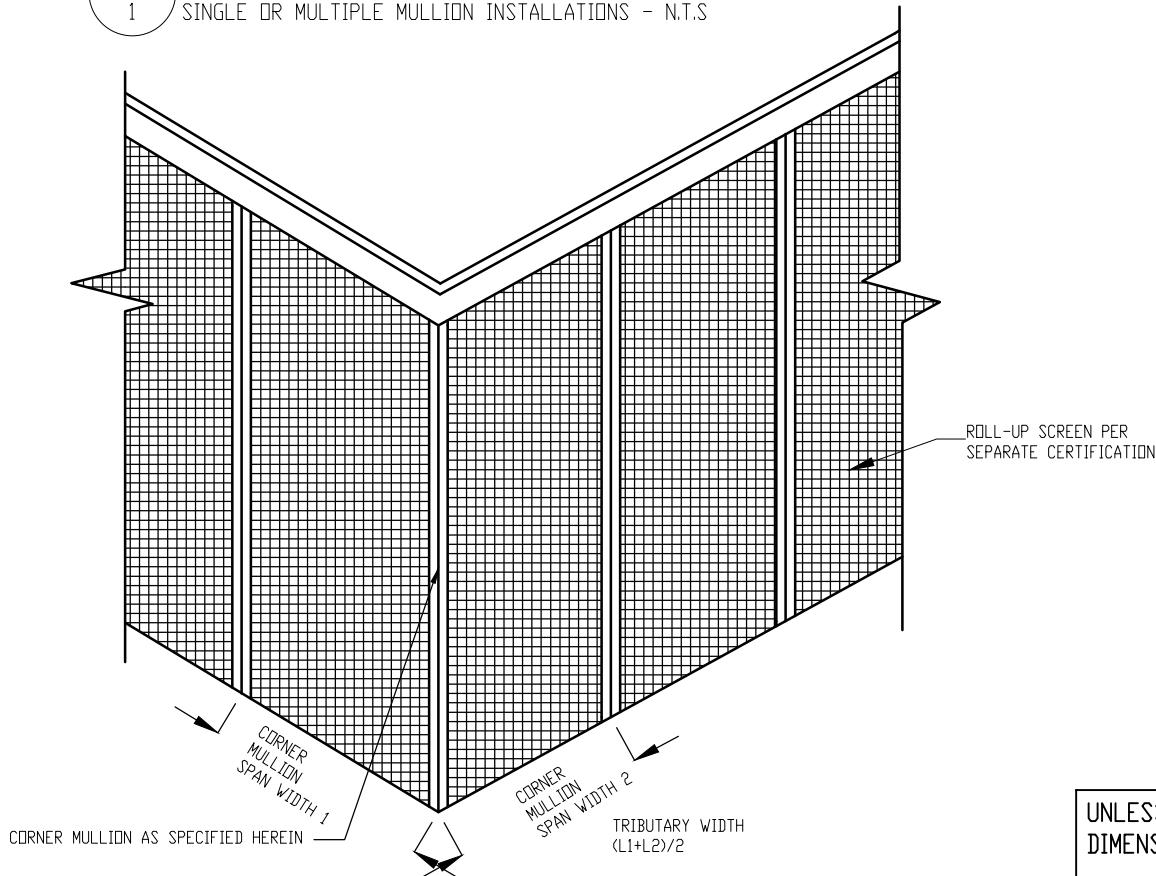
Digitally signed by Gary D Foreman
DN:
0.9.2342.19200300.100.1.1=A01410
D0000018973A1F9860007F5DC,
cn=Gary D Foreman, c=US
Date: 2023.08.31 12:10:38 -04'00'



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866)212-0709
COA 33284 PE 57343 AR 17125



1
1
INTERMEDIATE AND END MULLION - ELEVATION
SINGLE OR MULTIPLE MULLION INSTALLATIONS - N.T.S



CORNER MULLION - ELEVATION
SINGLE OR MULTIPLE MULLION INSTALLATIONS - N.T.S.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DO NOT SCALE DRAWING

GENERAL NOTES

1. THE ROLL-UP SCREEN SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) AND 2021 INTERNATIONAL BUILDING CODE, FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
2. THIS PRODUCT APPROVAL DOCUMENT IS FOR STORM SMART, INC. ROLL-UP SCREENS ONLY. ALL STORM SMART, INC. ROLL-UP SCREENS USED IN COMBINATION WITH THESE MULLIONS SHALL HAVE A SEPERATE PRODUCT APPROVAL. THESE ROLL-UP SCREENS SHALL NOT BE USED WITH ANY WINDOWS OR DOORS.
3. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT WHO SHALL BECOME THE ENGINEER/ARCHITECT OF RECORD FOR THE PROJECT. IN ASCE 7 WIND ZONE BUILDING IV AND ESSENTIAL FACILITIES, THE DEFLECTION OF THE MULLIONS SHALL BE ACCOUNTED FOR IN THE TOTAL SEPARATION FROM GLAZING FOR THE COMBINED DEFLECTION OF THE MULLION AND THE SCREEN.
4. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR THE USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE. SITE SPECIFIC LOAD WIND LOAD REQUIREMENTS SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7 AND THE CURRENT EDITION OF THE FLORIDA BUILDING CODE BY SEPERATE ENGINEERING CERTIFICATION AND SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUE LISTED HEREIN FOR ANY ASSEMBLY WITHIN THE LIMITATIONS STATED HEREIN.
5. PERMIT HOLDER SHALL ENSURE THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS.
6. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
7. ANCHOR EMBEDMENT AND MINIMUM EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER FINISHES. ANCHOR EMBEDMENTS AND MINIMUM EDGE DISTANCES PROVIDED HEREIN ARE INTO CONCRETE, FILLED AND HOLLOW CMU, OR WOOD.
8. ALL FASTENERS SHALL BE ASTM F593 COLD WORKED 304 STAINLESS STEEL, SAE GRADE 5 METAL TO METAL CONNECTIONS SHALL MINIMUM 1/4" DIA x 3/4" SELF-DRILLING, SELF TAPPING SCREWS METAL TO CONCRETE, MASONRY OR WOOD CONNECTIONS SHALL BE MINIMUM 5/16" DIA x 2 3/4" TAPCON (LDS) UNLESS NOTED OTHERWISE AND SHALL COMPLY WITH ANY APPLICABLE FEDERAL, STATE, OR LOCAL CODES
9. FOR ALUMINUM ATTACHMENTS, ALL ANCHORS SHALL BE SPACED WITH 2x DIAMETER END DISTANCE AND 2.5x DIAMETER MIN SPACING TO ADJACENT ANCHORS, UNLESS NOTED OTHERWISE PROVIDE (5) PITCHES MINIMUM PAST THE THREAD PLANE FOR ALL FASTENERS INTO METAL.
11. ALL EXTRUSIONS SHALL BE 6061-T6 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE. ALL DISSIMILAR MATERIALS SHALL BE PAINTED OR PLATED AS PRESCRIBED IN THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.
12. GARY D FOREMAN PE SE AIA PA, , HAS NO CONTROL OF THE MANUFACTURING, PERFORMANCE, OR INSTALLATION OF THIS PRODUCT. THESE GENERIC PLANS WERE ENGINEERED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES AND TEST DATA PROVIDED BY THE MANUFACTURER.
13. ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
14. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
15. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.

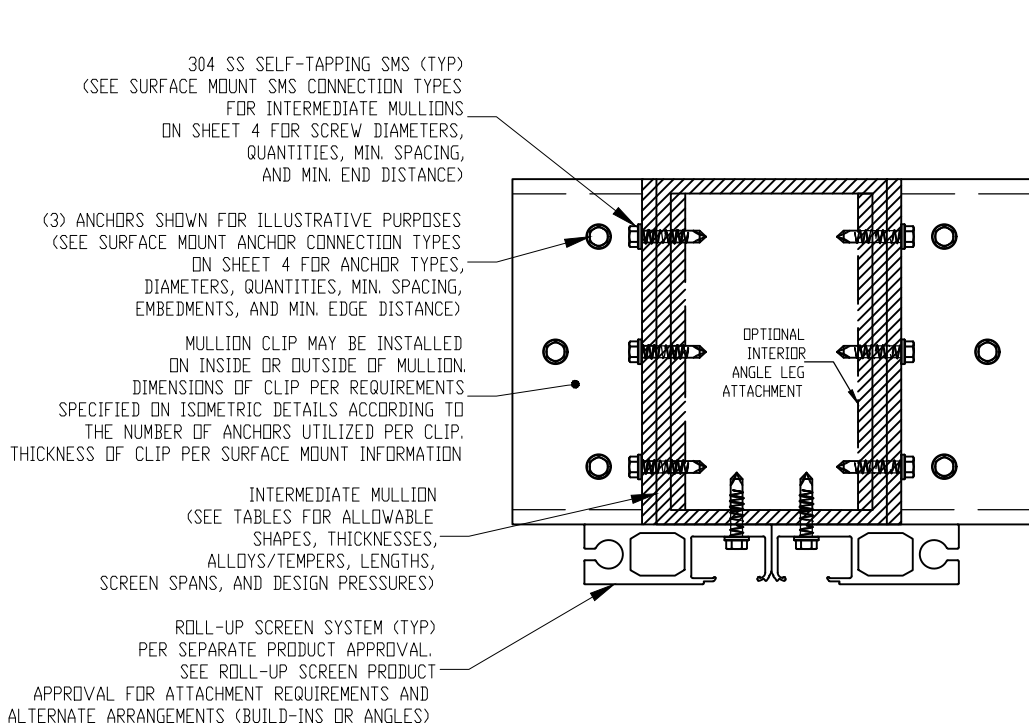
INDEX

SHEET 1	NOTES
SHEET 2	SURFACE MOUNT DETAILS
SHEET 3	ANGLE CLIP DETAILS
SHEET 4	CONNECTION TYPES
SHEET 5	BUILD-OUT CONNECTION DETAILS
SHEET 6	WALL MOUNT DETAILS
SHEET 7	MULLION SELECTION TABLES
SHEET 8	EXAMPLES

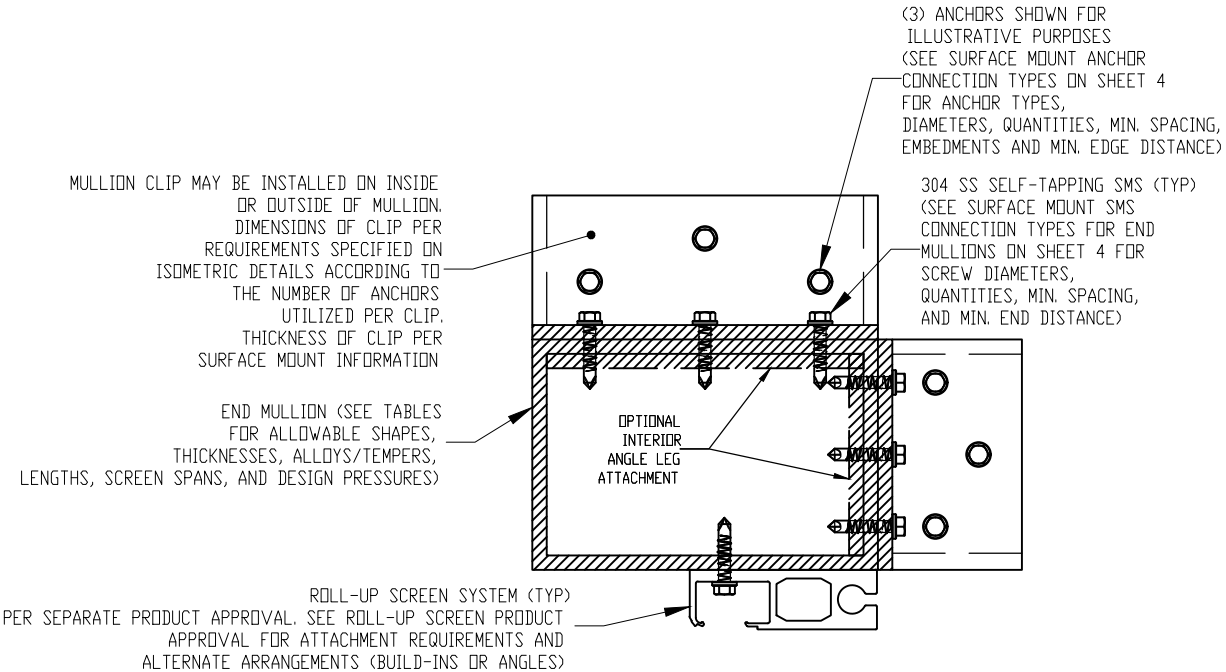
SHEET 9	30 PSF TABLE A
SHEET 10	40 PSF TABLE A
SHEET 11	50 PSF TABLE A
SHEET 12	55 PSF TABLE A
SHEET 13	60 PSF TABLE A
SHEET 14	65 PSF TABLE A
SHEET 15	70 PSF TABLE A

STORM SMART
6182 IDLEWILD STREET, FORT MYERS, FL 33966
(239) 274-2700
ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ
FLORIDA BUILDING CODE 2017

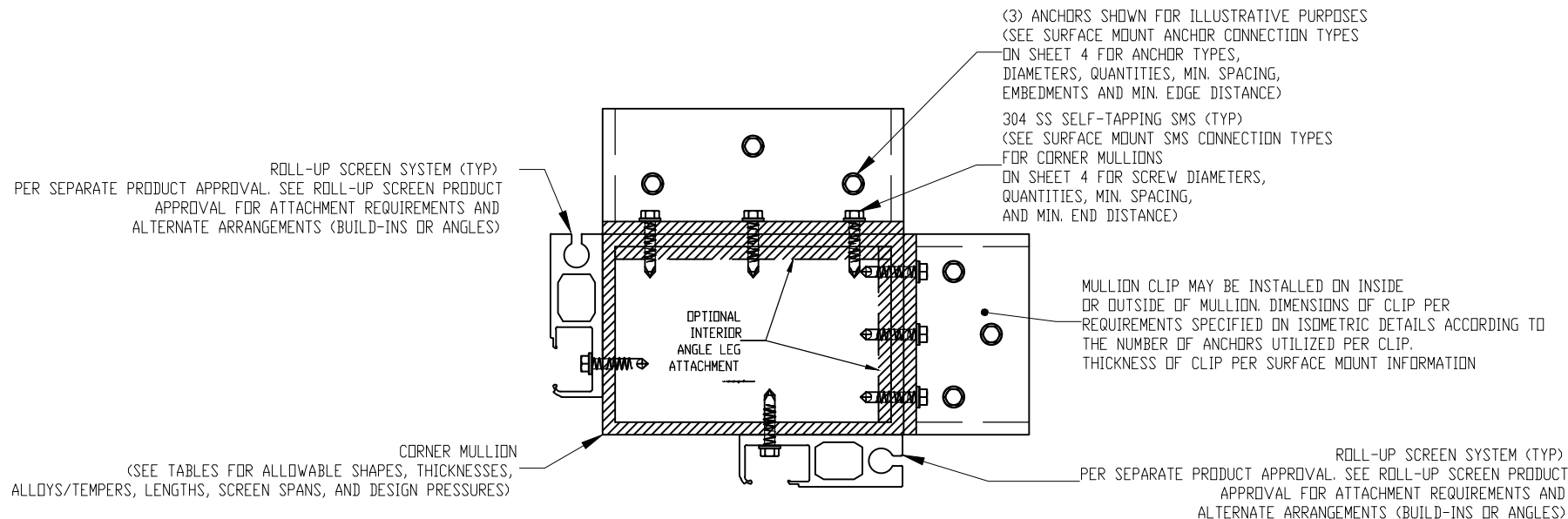
REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23



1 SURFACE MOUNT INSTALLATION
2 INTERMEDIATE MULLION CONNECTION - N.T.S



2 SURFACE MOUNT INSTALLATION
2 END MULLION CONNECTION - N.T.S



3 SURFACE MOUNT INSTALLATION
2 CORNER MULLION CONNECTION - N.T.S

GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866) 212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

6182 IDLEWILD STREET, FORT MYERS, FL 33966

(239) 274-2700

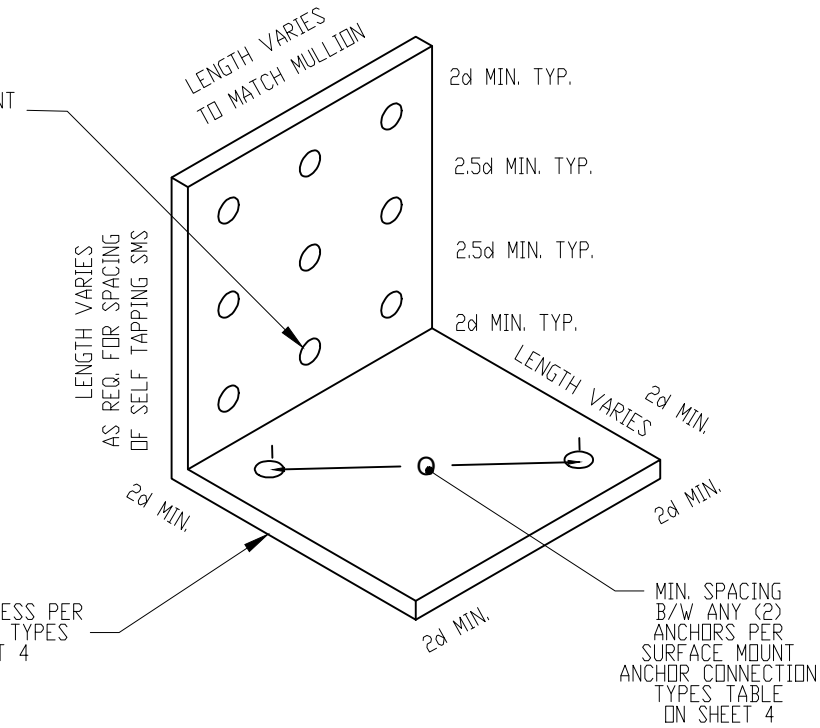
ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ

FLORIDA BUILDING CODE 2017

REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23

QUANTITY AND DIAMETER
OF SMS PER SURFACE MOUNT
SMS CONNECTION TYPES
TABLE ON SHEET 4

MULLION CLIP THICKNESS PER
ANCHOR CONNECTION TYPES
TABLE ON SHEET 4

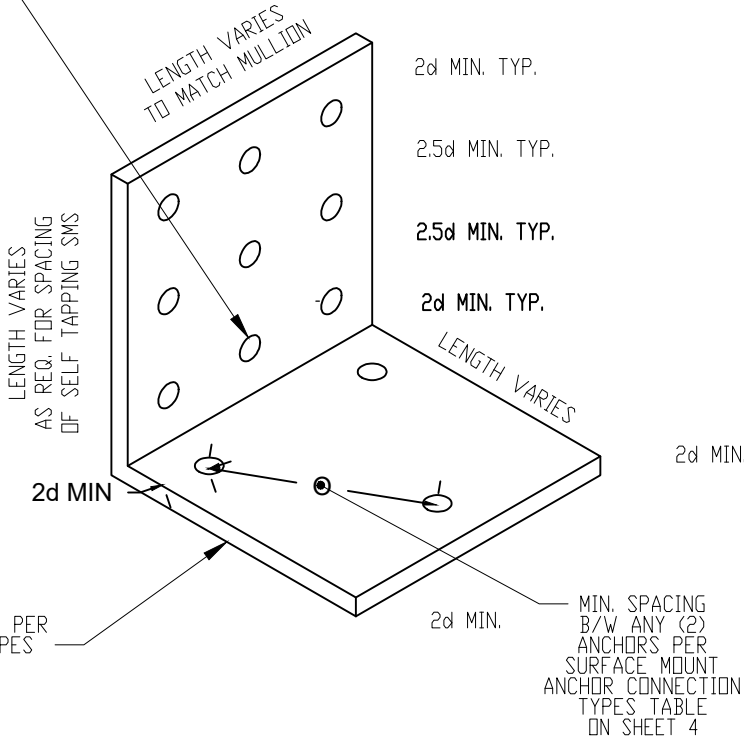


1
3

SURFACE MOUNT WITH
(2) ANCHORS PER CLIP
SCALE: N.T.S. ISOMETRIC

QUANTITY AND DIAMETER
OF SMS PER SURFACE MOUNT
SMS CONNECTION TYPES
TABLE ON SHEET 4

MULLION CLIP THICKNESS PER
ANCHOR CONNECTION TYPES
TABLE ON SHEET 4

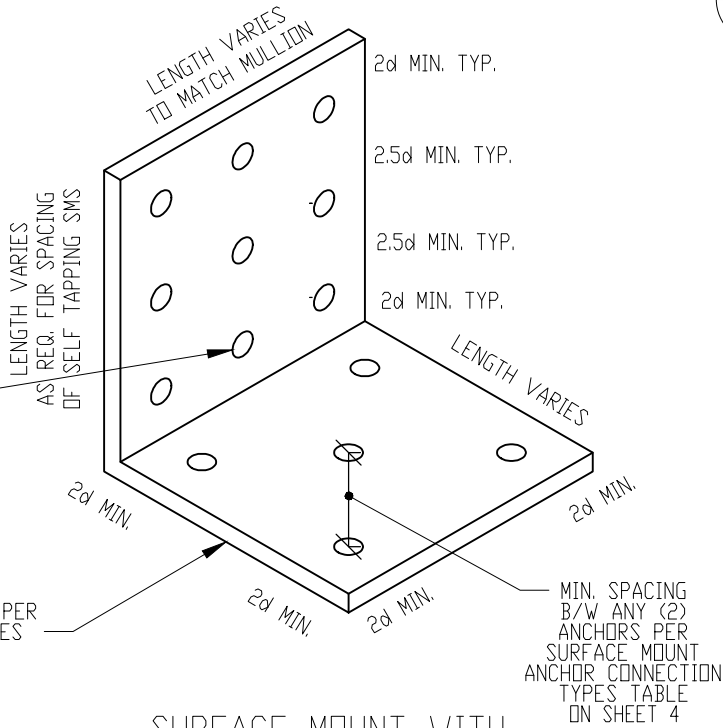


2
3

SURFACE MOUNT WITH
(3) ANCHORS PER CLIP
SCALE: N.T.S. ISOMETRIC

QUANTITY AND DIAMETER
OF SMS PER SURFACE MOUNT
SMS CONNECTION TYPES
TABLE ON SHEET 4

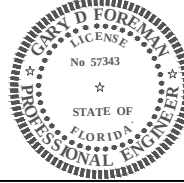
MULLION CLIP THICKNESS PER
ANCHOR CONNECTION TYPES
TABLE ON SHEET 4



3
3

SURFACE MOUNT WITH
(5) ANCHORS PER CLIP
SCALE: N.T.S. ISOMETRIC

GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866) 212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

6182 IDLEWILD STREET, FORT MYERS, FL 33966

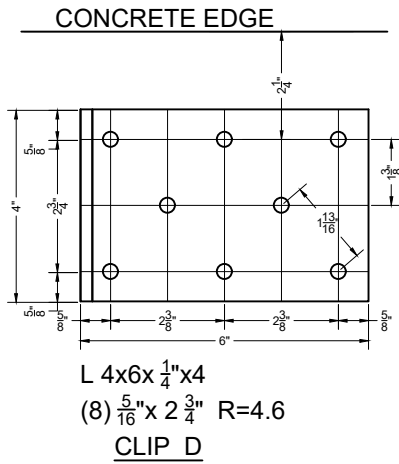
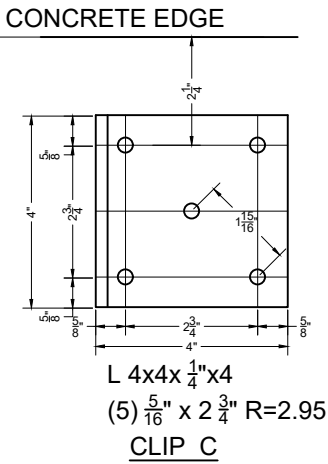
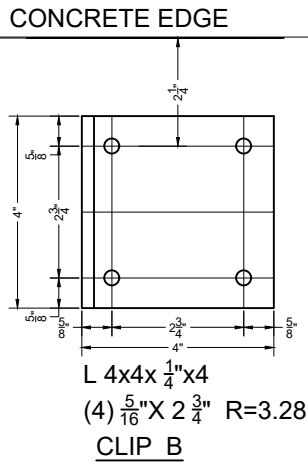
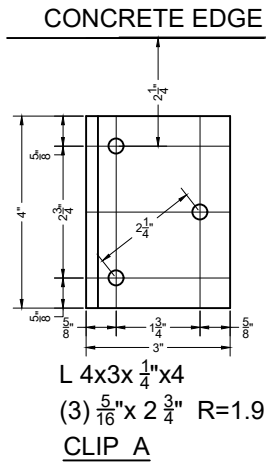
(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ

FLORIDA BUILDING CODE 2017

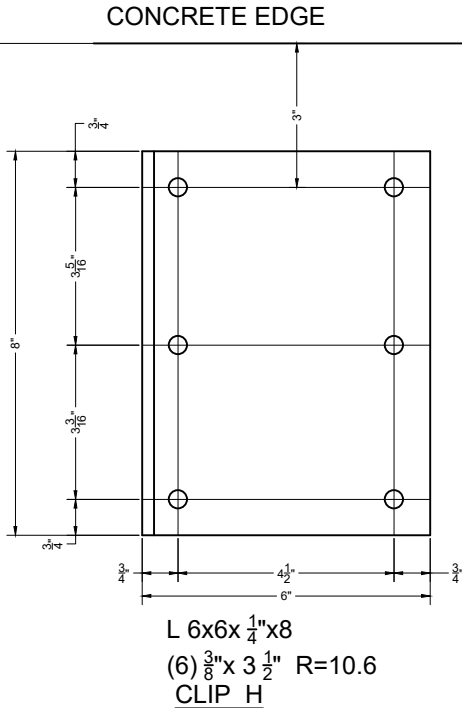
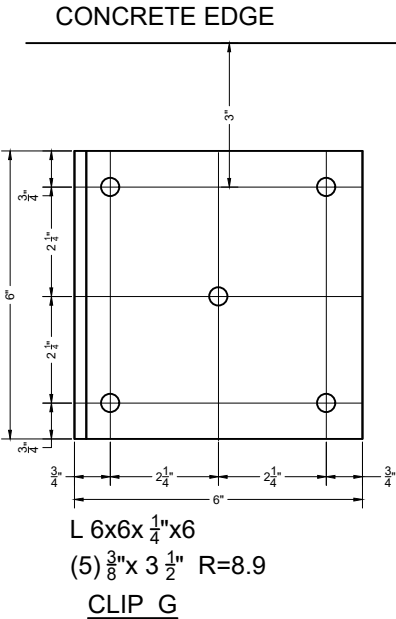
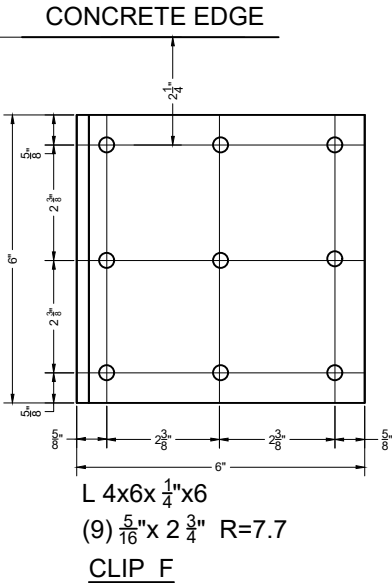
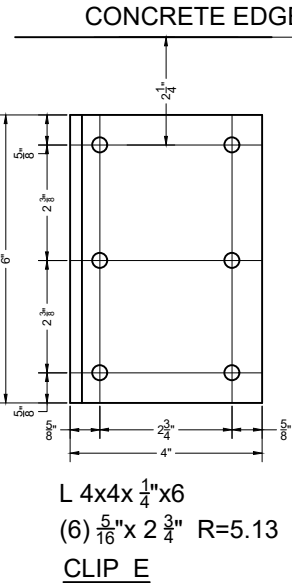
REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23

LENGTH
TO MATCH
TUBE



- NOTE:
1. THE ANGLE LAYOUTS AND TAPCONS (LDS) SHOWN ARE CALCULATED USING MINIMUM EDGE DISTANCES AND SPACING SHOWN.
 2. MINIMUM EMBEDMENT INTO CONCRETE OR SOLID CMU IS $2\frac{1}{4}$ " FOR $\frac{5}{16}$ " FASTENERS AND 3" FOR $\frac{3}{8}$ " FASTENERS. EMBEDMENT IS INTO CONCRETE OR CMU NEGLECTING THE THICKNESS OF STUCCO, TILE OR OTHER FINISHES. FASTENER LENGTHS SHALL BE ADJUSTED TO ALLOW FOR MINIMUM EMBEDMENT INTO STRUCTURE.
 3. FOR R VALUES INTO WOOD STRUCTURE DIVIDE R NUMBER BY 3.

LENGTH
TO MATCH
TUBE

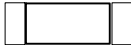
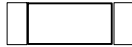


TO DETERMINE THE CORRECT ANGLE AND FASTENER LAYOUT FOR ANCHORAGE OF THE TOP AND BOTTOM OF MULLIONS USE THE FOLLOWING CALCULATIONS:
USE REACTIONS LISTED IN TABLE A FOR THE APPROPRIATE PRESSURE, PANEL SPAN AND MULLION HEIGHT.
USE AT LEAST 2 CLIPS PER CONNECTION SIZED FOR THE REQUIRED REACTION AND THE TUBE DIMENSIONS.

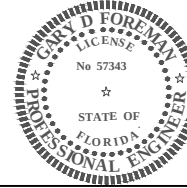
END MULLION: PANEL 1 REACTION A AND B
FROM EXAMPLE ON SHEET 8 R=4.19 USE TWO CLIP B'S $2 \times 3.28 = 6.56 > 4.19$ OK ATTACH TO 4" SIDES OF 4x6 TUBE TOP AND BOTTOM

INTERMEDIATE MULLION: ADD LONGEST PANEL A AND B REACTION AND SHORTEST PANEL C AND D REACTION.
FROM EXAMPLE ON SHEET 8 R=5.84 USE TWO CLIP B'S $2 \times 3.28 = 6.56 > 5.84$ OK

CORNER MULLION : ADD REACTION A AND B FOR LONGEST PANEL TO REACTION A AND B FOR THE SHORTEST PANEL.
FROM EXAMPLE ON SHEET 8 R= 9.42 USE 2 CLIP E'S $2 \times 5.13 = 10.26 > 9.42$ OK USE (2) L 4x4x $\frac{1}{4}$ "x 6 (or 8 TO MATCH TUBE WIDTH)



GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866) 212-0709
COA 33284 PE 57343 AR 17125

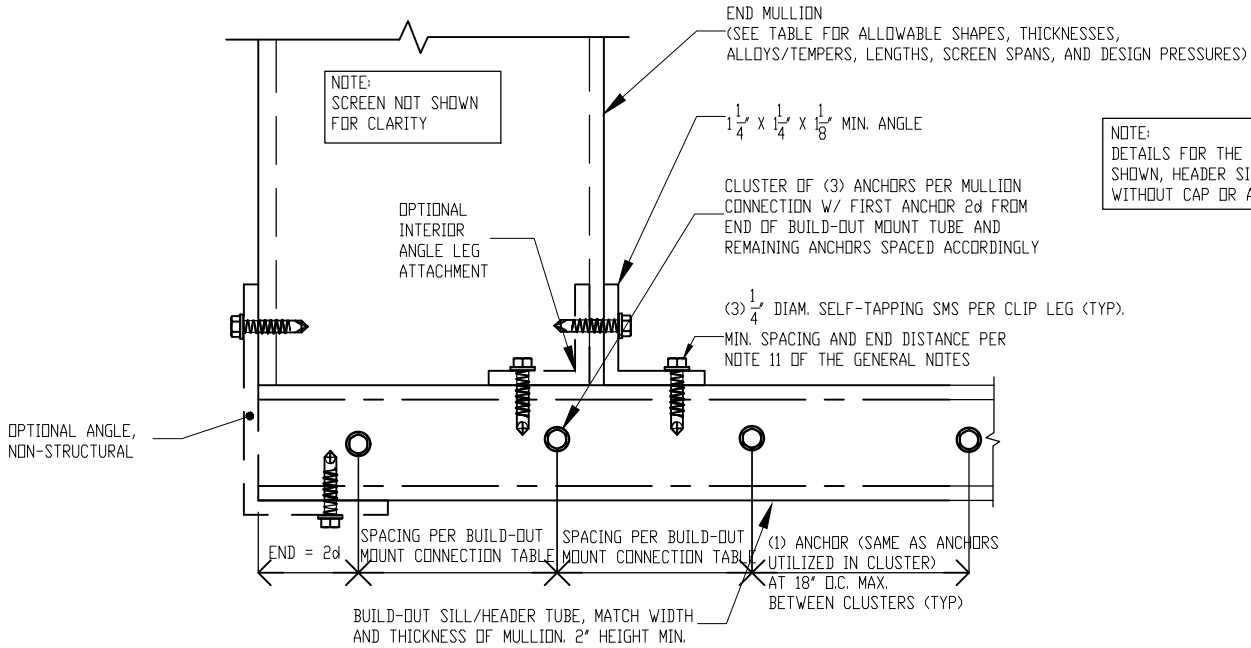
STORM SMART

6182 IDLEWILD STREET, FORT MYERS, FL 33966

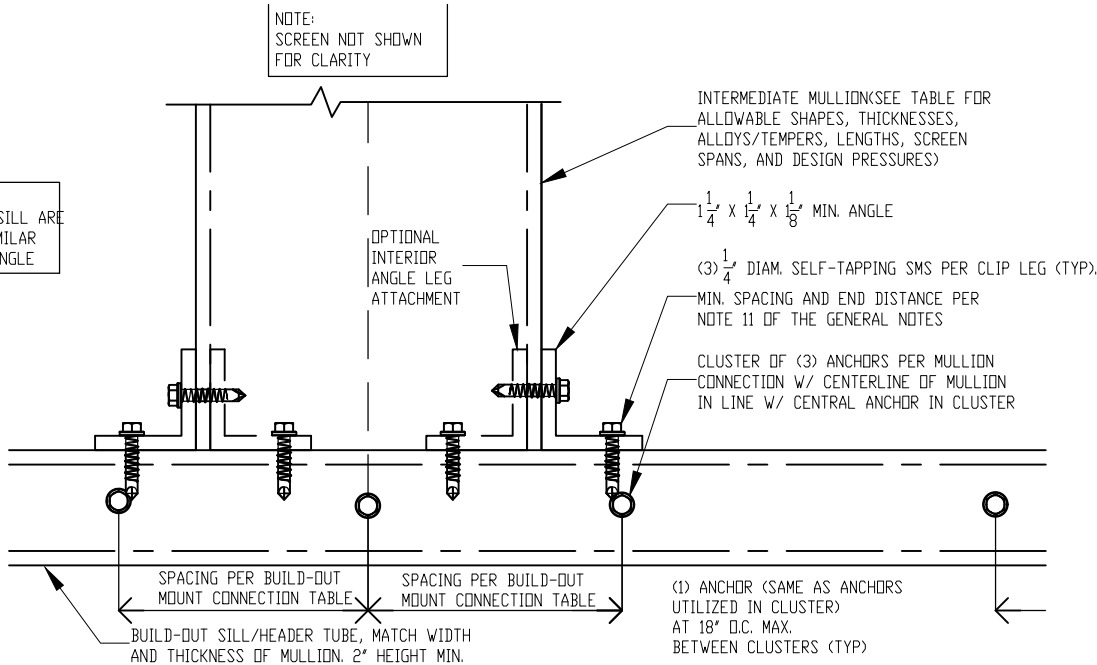
(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ
FLORIDA BUILDING CODE 2017

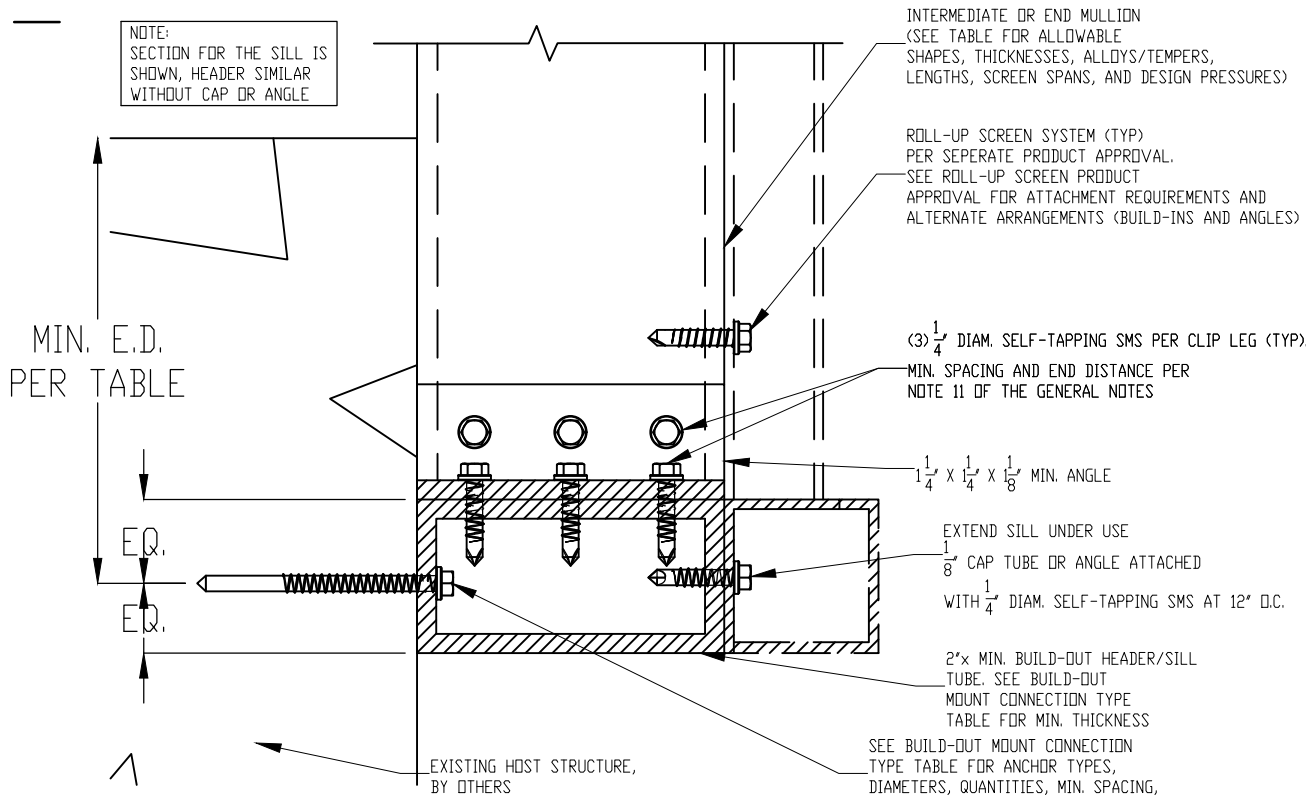
REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23



1
5 BUILD-OUT SILL/HEADER INSTALLATION
END MULLION CONNECTION - N.T.S



2
5 BUILD-OUT SILL/HEADER INSTALLATION
INTERMEDIATE MULLION CONNECTION - N.T.S



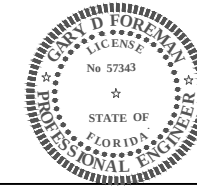
3
5 BUILD-OUT SILL/HEADER INSTALLATION
END AND INTERMEDIATE MULLION CONNECTION - N.T.S

BUILD-OUT MOUNT CONNECTION TYPES:

CONNECTION	ANCHOR DIAMETER	ANCHOR TYPE	SUBSTRATE	SILL TUBE THICKNESS	EMBED.	MIN. EDGE DISTANCE	MIN. SPACING	REACTION Y CAPACITY (LBS)	REACTION X CAPACITY (LBS)
BD-1	1/4"	ELCO ULTRACON	CONCRETE (f'c=2846 MIN.)	1/8" MIN.	1.75"	2.5"	4.0"	703	668
BD-2				1/4" MIN.				713	668
BD-3	5/16"		CONCRETE (f'c=3515 MIN.)	1/8" MIN.	2.0"	3.125"	5.0"	511	1275
BD-4				1/4" MIN.				1022	1275
BD-5				3/8" MIN.				1253	1275
BD-6	3/8"	ELCO CONFLEX	CONCRETE (f'c=3000 MIN.)	1/8" MIN.	3.5"	3.75"	6.0"	587	2855
BD-7				1/4" MIN.				1172	2855
BD-8				3/8" MIN.				1758	2852
BD-9				1/2" MIN.				1344	2855
BD-10	1/4"	ELCO ULTRACON	GROUT FILLED CMU (ASTM C90)	1/8" MIN.	1.75"	2.5"	4.5"	615	375
BD-11	5/16"						5.0"	345	555
BD-12	1/4"		HOLLOW CMU (ASTM C90)	1/8" MIN.	1.25"	3.125"	6.0"	210	443
BD-13	5/16"							338	435
BD-14	1/4"		WOOD (G=0.55 MIN.)	1/8" MIN.	2.0"	2.0"	1.25"	703	263
BD-15				1/4" MIN.				841	329
BD-16				1/8" MIN.				511	326
BD-17				1/4" MIN.				1022	382
BD-18	5/16"			3/8" MIN.				1293	449

NOTE:
IN ORDER TO SATISFY THE MINIMUM REQUIREMENTS OF THE CONNECTION, THE REACTION Y AND THE REACTION X FROM THE MULLION TABLE SHALL NOT EXCEED THE REACTION Y CAPACITY AND THE REACTION X CAPACITY OF THE CONNECTION RESPECTIVELY.

GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866) 212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

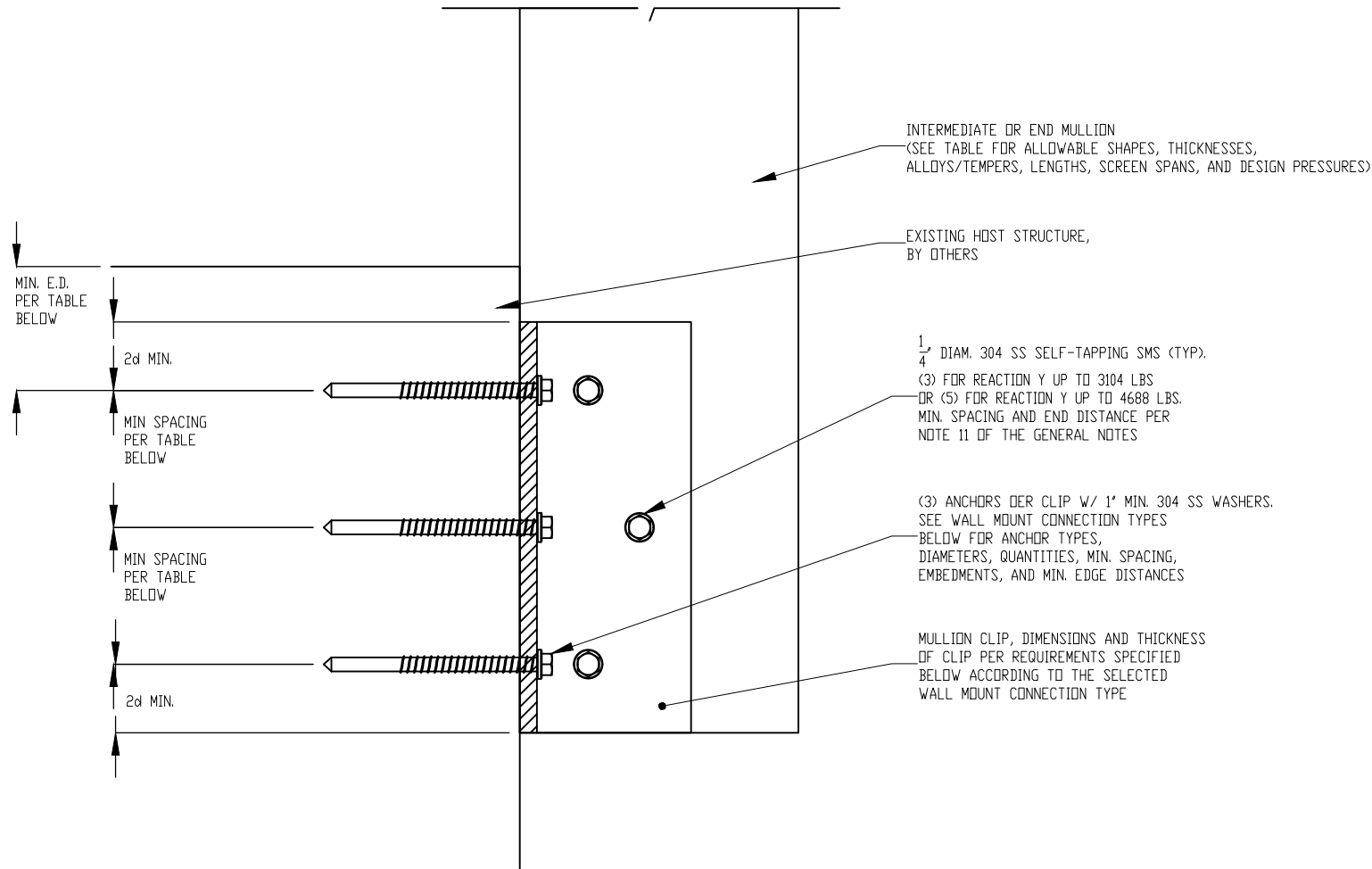
6182 IDLEWILD STREET, FORT MYERS, FL 33966

(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ

FLORIDA BUILDING CODE 2017

REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23



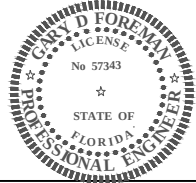
1
6 WALL MOUNT INSTALLATION
END AND INTERMEDIATE MULLION INSTALLATION - N.T.S

WALL MOUNT CONNECTION TYPES:

CONNECTION	ANCHOR DIAMETER	ANCHOR TYPE	SUBSTRATE	CLIP THICKNESS	EMBED.	MIN. EDGE DISTANCE	MIN. SPACING	REACTION Y CAPACITY (LBS)	REACTION X CAPACITY (LBS)	
WM-1	1/4"	ELCO ULTRACON	CONCRETE (F'C=2846 MIN.)	1/8" MIN.	1.75"	2.5"	4.0"	1425	1335	
WM-2	5/16"		CONCRETE (F'C=3515 MIN.)		2.0"	3.125"	5.0"	2505	2550	
WM-3	3/8"	ELCO CONFLEX	CONCRETE (F'C=3000 MIN.)	1/4" MIN.	3.5"	3.75"	6.0"	2344	5711	
WM-4								4688	5711	
WM-5	1/4"	ELCO ULTRACON	GROUT FILLED CMU (ASTM C90)	1/8" MIN.	1.75"	2.5"	4.5"	1230	750	
WM-6	5/16"		HOLLOW CMU (ASTM C90)				1.25"	5.0"	690	1110
WM-7	1/4"				3.125"	6.0"		420	885	
WM-8	5/16"		675				870			
WM-9	1/4"		WOOD (G=0.55 MIN.)	1/4" MIN.	2.0"	2.0"	1.25"	1681	525	
WM-10								1/8" MIN.	1681	659
WM-11								1/4" MIN.	2344	651
WM-12								1/4" MIN.	1586	764

NOTE:
IN ORDER TO SATISFY THE MINIMUM REQUIREMENTS OF THE CONNECTION, THE REACTION Y AND THE REACTION X FROM THE MULLION TABLE SHALL NOT EXCEED THE REACTION Y CAPACITY AND THE REACTION X CAPACITY OF THE CONNECTION RESPECTIVELY

GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866)212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

182 IDLEWILD STREET, FORT MYERS, FL 33966
(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ
FLORIDA BUILDING CODE 2017

REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23

TABLE 1

Shape	Sx	Sy	6061-T6 Mx cap	Fb=18 My cap	6061-T6 Sum M	class
3x4x 0.125		1.96	1.67	2.59	2.20	4.79 A
4x4x 0.125		2.43	2.43	3.21	3.21	6.41 A
4x6x 0.125		4.2	3.37	5.54	4.45	9.99 B
4x4x 0.25		4.41	4.41	5.82	5.82	11.64 B
4x6x 0.25		7.82	5.73	10.32	7.56	17.88 C
4x8x 0.25		11.9	7.93	15.70	10.46	26.16 D
4x6x 0.5		13.58	10.375	17.92	13.69	31.61 E
4x3x 0.125		1.67	1.96	2.20	2.59	4.79 A
6x4x 0.125		3.37	4.2	4.45	5.54	9.99 B
6x4x 0.25		5.73	7.82	7.56	10.32	17.88 C
8x4x 0.25		7.93	11.9	10.46	15.70	26.16 D
6x6x 0.25 6063-T5		10.582	10.582	13.96	13.96	27.92 D
6x4x0.5		10.375	13.58	13.69	17.92	31.61 D
6x6x 0.5 6061-T6		18.64	18.64	24.59	24.59	49.19 F
8x8x 0.188 6063-T5		14.91	14.91	19.67	19.67	39.35 E

TABLE 2

CLASS			SUM M NUMBER MINIMUM		
A			0 -	4.8	
B			4.9	9.99	
C			10	17.88	
D			17.89	26.16	
E			26.3	39.35	
F			39.4	49.2	

NOTE: SUM M GREATER THAN 49.2 SHALL BE DESIGNED BY A QUALIFIED ENGINEER AS A SITE SPECIFIC INSTALLATION

TABLE 3

END MULLIONS	SELECT PANEL SPAN AND MULLION HEIGHT FROM TABLE A A + B = SUM M			
INTERMEDIATE MULLIONS	SELECT PANEL SPAN FOR EACH SIDE OF MULION AND MULLION HEIGHT FROM TABLE A <table><tr><td>LONG SPAN</td><td>SHORT SPAN SIDE</td></tr></table> A + B + C - D = SUM M		LONG SPAN	SHORT SPAN SIDE
LONG SPAN	SHORT SPAN SIDE			
CORNER MULION	SELECT PANEL SPAN FOR EACH SIDE OF MULLION AND MULLION HEIGHT FROM TABLE A <table><tr><td>LONG SPAN</td><td>SHORT SPAN</td></tr></table> A + B + A + B = SUM M		LONG SPAN	SHORT SPAN
LONG SPAN	SHORT SPAN			
USE SUM M NUMBER TO FIND THE CLASS SHAPE TO USE FROM TABLE B NOTE M VALUES IN TABLE A HAVE NOT BEEN REDUCED PER ASCE 7-10 SECTION 2.4 LOAD COMBINATIONS USING ALLOWABLE STRESS DESIGN				

TABLE 1

TABLE 1 LISTS THE STANDARD ALUMINUM TUBE MULLION SHAPES AND ALLOYS USED IN THE FOLLOWING TABLES AS AN AID TO SELECTING THE APPROPRIATE MULLION FOR THE GIVEN RANGE OF PRESSURES, SCREEN SPANS AND MULLION HEIGHTS. EACH SHAPE IS GIVEN A 'CLASS' A THROUGH F BASED UPON STRENGTH.

TABLE 2

TABLE 2 LISTS THE 'SUM M NUMBER FOR EACH CLASS. THE NUMBER IS BASED UPON THE RELATIVE STRENGTH OF EACH CLASS OF MULLION.

THE TABLES ON THE FOLLOW SHEETS PROVIDE A 'M' NUMBER FOR EACH SCREEN SUPPORTED BY A PARTICULAR MULLION. . BY DETERMINING THE M NUMBER FOR EACH SCREEN SUPPORTED BY THE, M NUMBERS SHOULD BE ADDED OR SUBTRACTED AS SHOWN IN TABLE 3 TO FIND THE CORRECT MULLION SHAPE OR RANGE OF SHAPES TO USE.

TABLE 3

TABLE 3 PROVIDES THE USE OF THE M NUMBERS TO FIND THE CORRECT MULLION CLASS SHEET 1 ILLUSTRATES WHICH MULLIONS ARE END MULLIONS, INTERMEDIATE MULLIONS, OR CORNER MULLIONS. NOTE TWO MULLIONS AT A CORNER THAT EACH SUPPORT A SEPARATE SCREEN ARE BOTH END MULLIONS. A TUBE SHAPE SUPPORTING A SCREEN BUT ATTACHED TO THE BUILDING STRUCTURE IS NOT A MULLION. MULLIONS SHOULD BE FREESTANDING AT SUPPORTED AT THE TOP AND BOTTOM BY THE STRUCTURE. THE PRECEDING ANGLE CLIPS SHOWN IN SHEETS 2 THROUGH 6

TABLE 3

SEE SHEET 8 FOR EXAMPLES

GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866) 212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

6182 IDLEWILD STREET, FORT MYERS, FL 33966

(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ

FLORIDA BUILDING CODE 2017

REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23

END MULLION EXAMPLE

REQUIRED WIND PRESSURE	54 PSF
MULLION HEIGHT	96"
PANEL SPAN	162"
READ VALUES FOR	A = 3.65 ABND B = 8.21
ADD A+B = 3.65 + 8.21 = 11.86	
IN TABLE B SELECT CLASS C MULLION	10 < 11.86 < 17.88

USE	60 PSF TABLE A
	100" SECTION OF TABLE A
	168" ROW OF TABLE A

4x6x 0.125 or 4x4x 0.25 CAN BE USED
CLASSES D THROUGH F CAN ALSO BE USED

INTERMEDIATE MULLION EXAMPLE

LONGER PANEL	ACTUAL
REQUIRED WIND PRESSURE	54 PSF
MULLION HEIGHT	96"
PANEL SPAN	162"
READ VALUES FOR	A = 3.65 AND B = 8.21

USE	60 PSF TABLE A
	100" SECTION OF TABLE A
	168" ROW OF TABLE A

SHORTER PANEL	ACTUAL
REQUIRED WIND PRESSURE	62 PSF
MULLION HEIGHT	96"
PANEL SPAN	102"
READ VALUES FOR	C = 1.82 AND D = 3.83
REACTION A AND B = 4.19	
ADD A+B+C-D = 3.65 + 8.21 + 1.82 - 3.83 = 9.85	
IN TABLE B SELECT CLASS B MULLION	4.9 < 9.85 < 9.99

USE	70 PSF TABLE A
	100" SECTION OF TABLE A
	144" ROW OF TABLE A

4x6x 0.125 or 4x4x 0.25 CAN BE USED
CLASSES C THROUGH F CAN ALSO BE USED

CORNER MULLION EXAMPLE (NOTE TYPICALLY TWO END MULLIONS ARE USED)

WEST SIDE PANEL	ACTUAL
REQUIRED WIND PRESSURE	45 PSF
MULLION HEIGHT	105"
PANEL SPAN	92"
READ VALUES FOR	A = 3.75 AND B = 9.28

USE	50 PSF TABLE A
	120" SECTION OF TABLE A
	144" ROW OF TABLE A

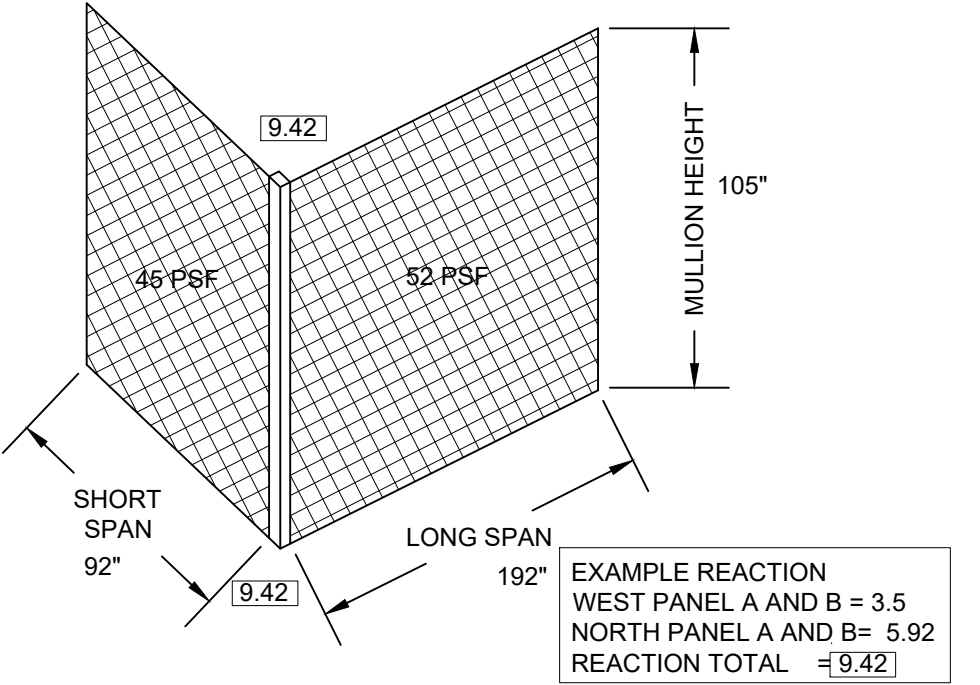
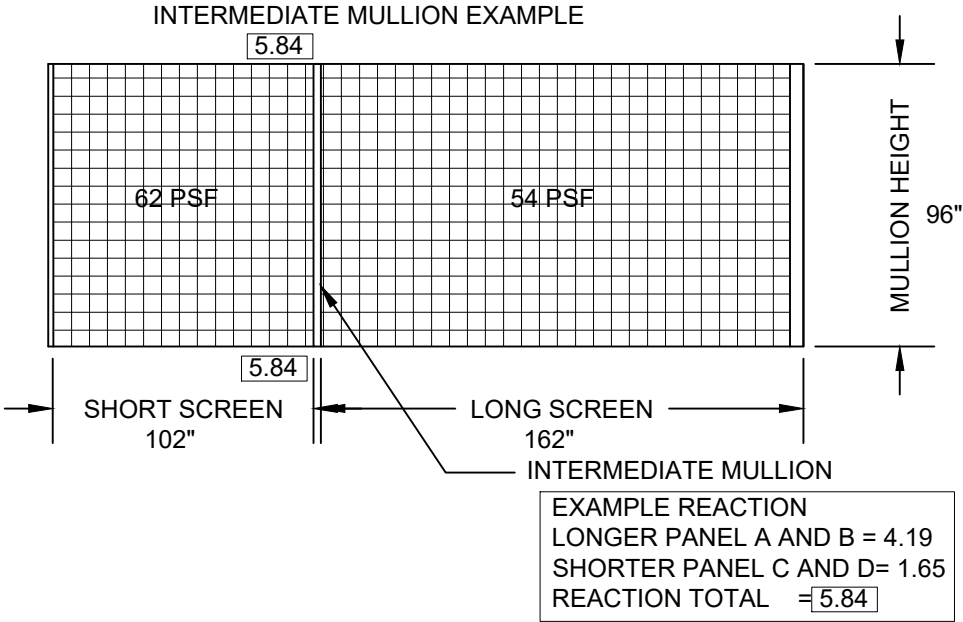
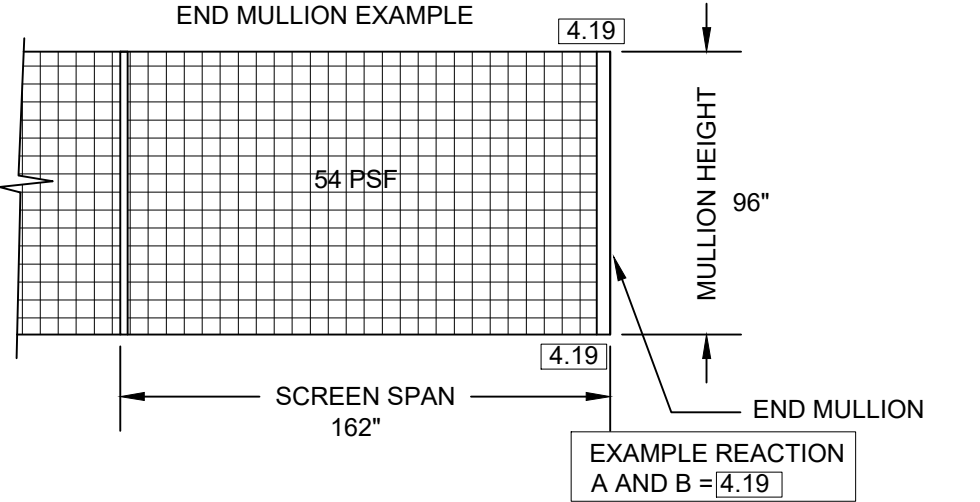
NORTH SIDE PANEL	ACTUAL
REQUIRED WIND PRESSURE	52 PSF
MULLION HEIGHT	105"
PANEL SPAN	188"
READ VALUES FOR	A = 6.0 AND B =13.31

USE	60 PSF TABLE A
	120" SECTION OF TABLE A
	192" ROW OF TABLE A

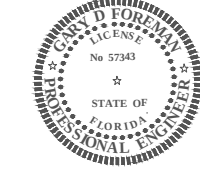
ADD A+B+A+B = 3.75 + 9.28 + 6.0 + 13.31 = 32.34	
IN TABLE B SELECT CLASS E MULLION	26.3 < 32.34 < 39.35

8x8x 0.188 CAN BE USED
CLASS F CAN ALSO BE USED

NOTE: WHEN USING THE FOLLOWING TABLES GO TO THE NEXT HIGHEST PRESSURE, PRESSURE AND SPAN.



GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866) 212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

6182 IDLEWILD STREET, FORT MYERS, FL 33966

(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ
FLORIDA BUILDING CODE 2017

REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23

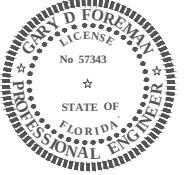
Mullion Tables Table A

pressure	mullion height	span	deflection x span	A Mx	B My	C Mx	D My	Reactions A and B	C and D	per side Rh	trib Rv
psf	inches	inches						kips	kips		
30	102	120	0.09	1.35	3.98	0.68	1.99			150 plf	441.1765
30	102	144	0.09	1.63	4.78	0.81	2.39	1.98	0.99	180 plf	529.4118
30	102	168	0.09	1.90	5.58	0.95	2.79	2.38	1.19	210 plf	617.6471
30	102	192	0.09	2.17	6.38	1.08	3.19	2.77	1.39	240 plf	705.8824
30	102	216	0.09	2.44	7.17	1.22	3.59	3.17	1.58	270 plf	794.1176
30	102	240	0.09	2.71	7.97	1.35	3.98	3.56	1.78	300 plf	882.3529
30	102	264	0.09	2.98	8.77	1.49	4.38	3.96	1.98	330 plf	970.5882
30	102	288	0.09	3.25	9.56	1.63	4.78	4.36	2.18	360 plf	1058.824
30	126	120	0.09	2.07	6.08	1.03	3.04			150 plf	441.1765
30	126	144	0.09	2.48	7.30	1.24	3.65	2.45	1.22	180 plf	529.4118
30	126	168	0.09	2.89	8.51	1.45	4.26	2.94	1.47	210 plf	617.6471
30	126	192	0.09	3.31	9.73	1.65	4.86	3.42	1.71	240 plf	705.8824
30	126	216	0.09	3.72	10.94	1.86	5.47	3.91	1.96	270 plf	794.1176
30	126	240	0.09	4.13	12.16	2.07	6.08	4.40	2.20	300 plf	882.3529
30	126	264	0.09	4.55	13.38	2.27	6.69	4.89	2.45	330 plf	970.5882
30	126	288	0.09	4.96	14.59	2.48	7.30	5.38	2.69	360 plf	1058.824
30	144	120	0.09	2.70	7.94	1.35	3.97			150 plf	441.1765
30	144	144	0.09	3.24	9.53	1.62	4.76	2.80	1.40	180 plf	529.4118
30	144	168	0.09	3.78	11.12	1.89	5.56	3.36	1.68	210 plf	617.6471
30	144	192	0.09	4.32	12.71	2.16	6.35	3.91	1.96	240 plf	705.8824
30	144	216	0.09	4.86	14.29	2.43	7.15	4.47	2.24	270 plf	794.1176
30	144	240	0.09	5.40	15.88	2.70	7.94	5.03	2.52	300 plf	882.3529
30	144	264	0.09	5.94	17.47	2.97	8.74	5.59	2.80	330 plf	970.5882
30	144	288	0.09	6.48	19.06	3.24	9.53	6.15	3.08	360 plf	1058.824

NOTE: WHEN USING THE FOLLOWING TABLES GO TO THE NEXT HIGHEST PRESSURE, PRESSURE AND SPAN.

30 PSF PRESSURE

GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866) 212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

6182 IDLEWILD STREET, FORT MYERS, FL 33966

(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ
FLORIDA BUILDING CODE 2017

REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23

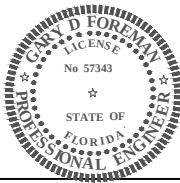
Mullion Tables Table A

pressure	mullion height	span	deflection x span	A Mx	B My	C Mx	D My	Reactions		per side Rh	trib Rv
								A and B	C and D		
psf	inches	inches						kips	kips		
40	102	120	0.09	1.81	4.86	0.90	2.43	2.44	1.22	200 plf	537.6344
40	102	144	0.09	2.17	5.83	1.08	2.91	2.93	1.46	240 plf	645.1613
40	102	168	0.09	2.53	6.80	1.26	3.40	3.41	1.71	280 plf	752.6882
40	102	192	0.09	2.89	7.77	1.45	3.88	3.90	1.95	320 plf	860.2151
40	102	216	0.09	3.25	8.74	1.63	4.37	4.39	2.19	360 plf	967.7419
40	102	240	0.09	3.61	9.71	1.81	4.86	4.88	2.44	400 plf	1075.269
40	102	264	0.09	3.97	10.68	1.99	5.34	5.36	2.68	440 plf	1182.796
40	102	288	0.09	4.34	11.65	2.17	5.83	5.85	2.93	480 plf	1290.323
40	126	120	0.09	2.76	7.41	1.38	3.70	3.01	1.51	200 plf	537.6344
40	126	144	0.09	3.31	8.89	1.65	4.45	3.61	1.81	240 plf	645.1613
40	126	168	0.09	3.86	10.37	1.93	5.19	4.22	2.11	280 plf	752.6882
40	126	192	0.09	4.41	11.85	2.21	5.93	4.82	2.41	320 plf	860.2151
40	126	216	0.09	4.96	13.34	2.48	6.67	5.42	2.71	360 plf	967.7419
40	126	240	0.09	5.51	14.82	2.76	7.41	6.02	3.01	400 plf	1075.269
40	126	264	0.09	6.06	16.30	3.03	8.15	6.63	3.31	440 plf	1182.796
40	126	288	0.09	6.62	17.78	3.31	8.89	7.23	3.61	480 plf	1290.323
40	144	120	0.09	3.60	9.68	1.80	4.84	3.44	1.72	200 plf	537.6344
40	144	144	0.09	4.32	11.61	2.16	5.81	4.13	2.07	240 plf	645.1613
40	144	168	0.09	5.04	13.55	2.52	6.77	4.82	2.41	280 plf	752.6882
40	144	192	0.09	5.76	15.48	2.88	7.74	5.51	2.75	320 plf	860.2151
40	144	216	0.09	6.48	17.42	3.24	8.71	6.20	3.10	360 plf	967.7419
40	144	240	0.09	7.20	19.35	3.60	9.68	6.88	3.44	400 plf	1075.269
40	144	264	0.09	7.92	21.29	3.96	10.65	7.57	3.79	440 plf	1182.796
40	144	288	0.09	8.64	23.23	4.32	11.61	8.26	4.13	480 plf	1290.323

NOTE: WHEN USING THE FOLLOWING TABLES GO TO THE NEXT HIGHEST PRESSURE, PRESSURE AND SPAN.

40 PSF PRESSURE

GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866)212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

6182 IDLEWILD STREET, FORT MYERS, FL 33966

(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ
FLORIDA BUILDING CODE 2017

REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23

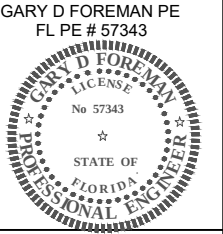
of 15

Mullion Tables Table A

pressure	mullion height	span	deflection x span	A Mx	B My	C Mx	D My	Reactions		per side Rh	trib Rv
								A and B	C and D		
psf	inches	inches						kips	kips		
50	102	120	0.10	2.26	5.59	1.13	2.79	2.84	1.42	250 plf	618.8119
50	102	144	0.10	2.71	6.71	1.35	3.35	3.40	1.70	300 plf	742.5743
50	102	168	0.10	3.16	7.82	1.58	3.91	3.97	1.99	350 plf	866.3366
50	102	192	0.10	3.61	8.94	1.81	4.47	4.54	2.27	400 plf	990.099
50	102	216	0.10	4.06	10.06	2.03	5.03	5.11	2.55	450 plf	1113.861
50	102	240	0.10	4.52	11.18	2.26	5.59	5.67	2.84	500 plf	1237.624
50	102	264	0.10	4.97	12.30	2.48	6.15	6.24	3.12	550 plf	1361.386
50	102	288	0.10	5.42	13.41	2.71	6.71	6.81	3.40	600 plf	1485.149
50	126	120	0.10	3.45	8.53	1.72	4.26	3.50	1.75	250 plf	618.8119
50	126	144	0.10	4.13	10.23	2.07	5.12	4.20	2.10	300 plf	742.5743
50	126	168	0.10	4.82	11.94	2.41	5.97	4.91	2.45	350 plf	866.3366
50	126	192	0.10	5.51	13.64	2.76	6.82	5.61	2.80	400 plf	990.099
50	126	216	0.10	6.20	15.35	3.10	7.68	6.31	3.15	450 plf	1113.861
50	126	240	0.10	6.89	17.06	3.45	8.53	7.01	3.50	500 plf	1237.624
50	126	264	0.10	7.58	18.76	3.79	9.38	7.71	3.85	550 plf	1361.386
50	126	288	0.10	8.27	20.47	4.13	10.23	8.41	4.20	600 plf	1485.149
50	144	120	0.10	4.50	11.14	2.25	5.57	4.00	2.00	250 plf	618.8119
50	144	144	0.10	5.40	13.37	2.70	6.68	4.81	2.40	300 plf	742.5743
50	144	168	0.10	6.30	15.59	3.15	7.80	5.61	2.80	350 plf	866.3366
50	144	192	0.10	7.20	17.82	3.60	8.91	6.41	3.20	400 plf	990.099
50	144	216	0.10	8.10	20.05	4.05	10.02	7.21	3.60	450 plf	1113.861
50	144	240	0.10	9.00	22.28	4.50	11.14	8.01	4.00	500 plf	1237.624
50	144	264	0.10	9.90	24.50	4.95	12.25	8.81	4.40	550 plf	1361.386
50	144	288	0.10	10.80	26.73	5.40	13.37	9.61	4.81	600 plf	1485.149

NOTE: WHEN USING THE FOLLOWING TABLES GO TO THE NEXT HIGHEST PRESSURE, PRESSURE AND SPAN.

50 PSF PRESSURE



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866) 212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

6182 IDLEWILD STREET, FORT MYERS, FL 33966

(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ
FLORIDA BUILDING CODE 2017

REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23

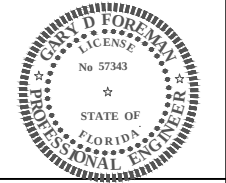
55 PSF PRESSURE

Mullion Tables Table A

pressure	mullion height	span	deflection x span	A Mx	B My	C Mx	D My	Reactions		per side Rh	trib Rv
								A and B	C and D		
psf	inches	inches						kips	kips		
55	102	120	0.11	2.48	5.86	1.24	2.93	2.99	1.50	275 plf	648.5849
55	102	144	0.11	2.98	7.03	1.49	3.51	3.59	1.80	330 plf	778.3019
55	102	168	0.11	3.48	8.20	1.74	4.10	4.19	2.10	385 plf	908.0189
55	102	192	0.11	3.97	9.37	1.99	4.69	4.79	2.40	440 plf	1037.736
55	102	216	0.11	4.47	10.54	2.24	5.27	5.39	2.69	495 plf	1167.453
55	102	240	0.11	4.97	11.72	2.48	5.86	5.99	2.99	550 plf	1297.17
55	102	264	0.11	5.46	12.89	2.73	6.44	6.59	3.29	605 plf	1426.887
55	102	288	0.11	5.96	14.06	2.98	7.03	7.19	3.59	660 plf	1556.604
55	126	120	0.11	3.79	8.94	1.89	4.47	3.70	1.85	275 plf	648.5849
55	126	144	0.11	4.55	10.73	2.27	5.36	4.44	2.22	330 plf	778.3019
55	126	168	0.11	5.31	12.51	2.65	6.26	5.18	2.59	385 plf	908.0189
55	126	192	0.11	6.06	14.30	3.03	7.15	5.92	2.96	440 plf	1037.736
55	126	216	0.11	6.82	16.09	3.41	8.04	6.66	3.33	495 plf	1167.453
55	126	240	0.11	7.58	17.88	3.79	8.94	7.40	3.70	550 plf	1297.17
55	126	264	0.11	8.34	19.66	4.17	9.83	8.14	4.07	605 plf	1426.887
55	126	288	0.11	9.10	21.45	4.55	10.73	8.88	4.44	660 plf	1556.604
55	144	120	0.11	4.95	11.67	2.48	5.84	4.23	2.11	275 plf	648.5849
55	144	144	0.11	5.94	14.01	2.97	7.00	5.07	2.54	330 plf	778.3019
55	144	168	0.11	6.93	16.34	3.47	8.17	5.92	2.96	385 plf	908.0189
55	144	192	0.11	7.92	18.68	3.96	9.34	6.76	3.38	440 plf	1037.736
55	144	216	0.11	8.91	21.01	4.46	10.51	7.61	3.80	495 plf	1167.453
55	144	240	0.11	9.90	23.35	4.95	11.67	8.45	4.23	550 plf	1297.17
55	144	264	0.11	10.89	25.68	5.45	12.84	9.30	4.65	605 plf	1426.887
55	144	288	0.11	11.88	28.02	5.94	14.01	10.14	5.07	660 plf	1556.604

NOTE: WHEN USING THE FOLLOWING TABLES GO TO THE NEXT HIGHEST PRESSURE, PRESSURE AND SPAN.

GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 McGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866)212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

6182 IDLEWILD STREET, FORT MYERS, FL 33966
(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ
FLORIDA BUILDING CODE 2017

REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23

60 PSF PRESSURE

Mullion Tables Table A

pressure	mullion height	span	deflection x span	A Mx	B My	C Mx	D My	Reactions		per side Rh	trib Rv
								A and B	C and D		
psf	inches	inches						kips	kips		
60	102	120	0.11	2.71	6.10	1.35	3.05	3.14	1.57	300 plf	675.6757
60	102	144	0.11	3.25	7.32	1.63	3.66	3.77	1.89	360 plf	810.8108
60	102	168	0.11	3.79	8.54	1.90	4.27	4.40	2.20	420 plf	945.9459
60	102	192	0.11	4.34	9.76	2.17	4.88	5.03	2.51	480 plf	1081.081
60	102	216	0.11	4.88	10.98	2.44	5.49	5.66	2.83	540 plf	1216.216
60	102	240	0.11	5.42	12.20	2.71	6.10	6.28	3.14	600 plf	1351.351
60	102	264	0.11	5.96	13.42	2.98	6.71	6.91	3.46	660 plf	1486.486
60	102	288	0.11	6.50	14.65	3.25	7.32	7.54	3.77	720 plf	1621.622
60	126	120	0.11	4.13	9.31	2.07	4.66	3.88	1.94	300 plf	675.6757
60	126	144	0.11	4.96	11.17	2.48	5.59	4.66	2.33	360 plf	810.8108
60	126	168	0.11	5.79	13.04	2.89	6.52	5.43	2.72	420 plf	945.9459
60	126	192	0.11	6.62	14.90	3.31	7.45	6.21	3.10	480 plf	1081.081
60	126	216	0.11	7.44	16.76	3.72	8.38	6.99	3.49	540 plf	1216.216
60	126	240	0.11	8.27	18.62	4.13	9.31	7.76	3.88	600 plf	1351.351
60	126	264	0.11	9.10	20.49	4.55	10.24	8.54	4.27	660 plf	1486.486
60	126	288	0.11	9.92	22.35	4.96	11.17	9.31	4.66	720 plf	1621.622
60	144	120	0.11	5.40	12.16	2.70	6.08	4.44	2.22	300 plf	675.6757
60	144	144	0.11	6.48	14.59	3.24	7.30	5.32	2.66	360 plf	810.8108
60	144	168	0.11	7.56	17.03	3.78	8.51	6.21	3.10	420 plf	945.9459
60	144	192	0.11	8.64	19.46	4.32	9.73	7.10	3.55	480 plf	1081.081
60	144	216	0.11	9.72	21.89	4.86	10.95	7.98	3.99	540 plf	1216.216
60	144	240	0.11	10.80	24.32	5.40	12.16	8.87	4.44	600 plf	1351.351
60	144	264	0.11	11.88	26.76	5.94	13.38	9.76	4.88	660 plf	1486.486
60	144	288	0.11	12.96	29.19	6.48	14.59	10.65	5.32	720 plf	1621.622

NOTE: WHEN USING THE FOLLOWING TABLES GO TO THE NEXT HIGHEST PRESSURE, PRESSURE AND SPAN.

GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866) 212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

6182 IDLEWILD STREET, FORT MYERS, FL 33966

(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ
FLORIDA BUILDING CODE 2017

REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23

of 15

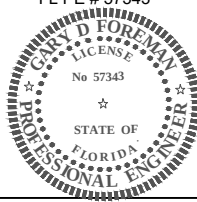
Mullion Tables Table A

pressure	mullion height	span	deflection x span	A Mx	B My	C Mx	D My	Reactions		per side Rh	trib Rv
								A and B	C and D		
psf	inches	inches						kips	kips		
65	102	120	0.12	2.94	6.38	1.47	3.19	3.31	1.65	325 plf	706.5217
65	102	144	0.12	3.52	7.66	1.76	3.83	3.97	1.98	390 plf	847.8261
65	102	168	0.12	4.11	8.93	2.05	4.47	4.63	2.31	455 plf	989.1304
65	102	192	0.12	4.70	10.21	2.35	5.10	5.29	2.64	520 plf	1130.435
65	102	216	0.12	5.28	11.49	2.64	5.74	5.95	2.97	585 plf	1271.739
65	102	240	0.12	5.87	12.76	2.94	6.38	6.61	3.31	650 plf	1413.043
65	102	264	0.12	6.46	14.04	3.23	7.02	7.27	3.64	715 plf	1554.348
65	102	288	0.12	7.04	15.31	3.52	7.66	7.93	3.97	780 plf	1695.652
65	126	120	0.12	4.48	9.74	2.24	4.87	4.08	2.04	325 plf	706.5217
65	126	144	0.12	5.37	11.68	2.69	5.84	4.90	2.45	390 plf	847.8261
65	126	168	0.12	6.27	13.63	3.14	6.82	5.72	2.86	455 plf	989.1304
65	126	192	0.12	7.17	15.58	3.58	7.79	6.53	3.27	520 plf	1130.435
65	126	216	0.12	8.06	17.53	4.03	8.76	7.35	3.67	585 plf	1271.739
65	126	240	0.12	8.96	19.47	4.48	9.74	8.17	4.08	650 plf	1413.043
65	126	264	0.12	9.85	21.42	4.93	10.71	8.98	4.49	715 plf	1554.348
65	126	288	0.12	10.75	23.37	5.37	11.68	9.80	4.90	780 plf	1695.652
65	144	120	0.12	5.85	12.72	2.93	6.36	4.67	2.33	325 plf	706.5217
65	144	144	0.12	7.02	15.26	3.51	7.63	5.60	2.80	390 plf	847.8261
65	144	168	0.12	8.19	17.80	4.10	8.90	6.53	3.27	455 plf	989.1304
65	144	192	0.12	9.36	20.35	4.68	10.17	7.47	3.73	520 plf	1130.435
65	144	216	0.12	10.53	22.89	5.27	11.45	8.40	4.20	585 plf	1271.739
65	144	240	0.12	11.70	25.43	5.85	12.72	9.33	4.67	650 plf	1413.043
65	144	264	0.12	12.87	27.98	6.44	13.99	10.27	5.13	715 plf	1554.348
65	144	288	0.12	14.04	30.52	7.02	15.26	11.20	5.60	780 plf	1695.652

NOTE: WHEN USING THE FOLLOWING TABLES GO TO THE NEXT HIGHEST PRESSURE, PRESSURE AND SPAN.

65 PSF PRESSURE

GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866) 212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

6182 IDLEWILD STREET, FORT MYERS, FL 33966
(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ
FLORIDA BUILDING CODE 2017

REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23

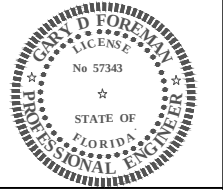
Mullion Tables Table A

pressure	mullion height	span	deflection x span	A Mx	B My	C Mx	D My	Reactions		per side Rh	trib Rv
								A and B	C and D		
psf	inches	inches						kips	kips		
70	102	120	0.12	3.16	6.64	1.58	3.32	3.46	1.73	350 plf	735.2941
70	102	144	0.12	3.79	7.97	1.90	3.98	4.15	2.08	420 plf	882.3529
70	102	168	0.12	4.43	9.30	2.21	4.65	4.85	2.42	490 plf	1029.412
70	102	192	0.12	5.06	10.63	2.53	5.31	5.54	2.77	560 plf	1176.471
70	102	216	0.12	5.69	11.95	2.84	5.98	6.23	3.11	630 plf	1323.529
70	102	240	0.12	6.32	13.28	3.16	6.64	6.92	3.46	700 plf	1470.588
70	102	264	0.12	6.95	14.61	3.48	7.30	7.61	3.81	770 plf	1617.647
70	102	288	0.12	7.59	15.94	3.79	7.97	8.31	4.15	840 plf	1764.706
70	126	120	0.12	4.82	10.13	2.41	5.07	4.28	2.14	350 plf	735.2941
70	126	144	0.12	5.79	12.16	2.89	6.08	5.13	2.57	420 plf	882.3529
70	126	168	0.12	6.75	14.19	3.38	7.09	5.99	2.99	490 plf	1029.412
70	126	192	0.12	7.72	16.21	3.86	8.11	6.84	3.42	560 plf	1176.471
70	126	216	0.12	8.68	18.24	4.34	9.12	7.70	3.85	630 plf	1323.529
70	126	240	0.12	9.65	20.27	4.82	10.13	8.55	4.28	700 plf	1470.588
70	126	264	0.12	10.61	22.29	5.31	11.15	9.41	4.70	770 plf	1617.647
70	126	288	0.12	11.58	24.32	5.79	12.16	10.26	5.13	840 plf	1764.706
70	144	120	0.12	6.30	13.24	3.15	6.62	4.89	2.44	350 plf	735.2941
70	144	144	0.12	7.56	15.88	3.78	7.94	5.86	2.93	420 plf	882.3529
70	144	168	0.12	8.82	18.53	4.41	9.26	6.84	3.42	490 plf	1029.412
70	144	192	0.12	10.08	21.18	5.04	10.59	7.82	3.91	560 plf	1176.471
70	144	216	0.12	11.34	23.82	5.67	11.91	8.79	4.40	630 plf	1323.529
70	144	240	0.12	12.60	26.47	6.30	13.24	9.77	4.89	700 plf	1470.588
70	144	264	0.12	13.86	29.12	6.93	14.56	10.75	5.37	770 plf	1617.647
70	144	288	0.12	15.12	31.76	7.56	15.88	11.73	5.86	840 plf	1764.706

NOTE: WHEN USING THE FOLLOWING TABLES GO TO THE NEXT HIGHEST PRESSURE, PRESSURE AND SPAN.

70 PSF PRESSURE

GARY D FOREMAN PE
FL PE # 57343



GARY D FOREMAN PE SE AIA PA
12399 MCGREGOR WOODS CIRCLE
FORT MYERS, FL 33908
(239) 989-3887 FAX (866) 212-0709
COA 33284 PE 57343 AR 17125

STORM SMART

6182 IDLEWILD STREET, FORT MYERS, FL 33966

(239) 274-2700

ROLL-UP SCREEN MULLIONS HVHZ AND NON-HVHZ
FLORIDA BUILDING CODE 2017

REMARKS	DRWN	DATE
review	GDF	4/22/19
review	GDF	8/29/23

of 15