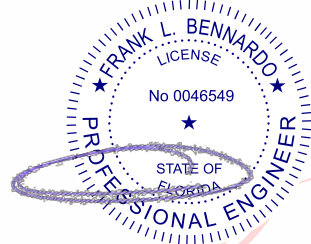


FENETEX CORPORATION

FENETEX HURRICANE SCREENS
LARGE MISSILE IMPACT
HVHZ & NON-HVHZ

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. A DESIGN PROFESSIONAL SHALL BE RESPONSIBLE FOR CERTIFYING THE APPLICATION OF THIS INFORMATION TO ANY SITE-SPECIFIC LOCATION.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



Digitally signed by
Frank Bennardo
Date: 2026.04.15
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FENETEX HURRICANE SCREENS
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA)

REMARKS	DATE	DRWN	CHKD
INIT ISSUE	2-8-2021	RWN	RWN
2023 FBC	12-26-2023	RWN	RWN
REVISION	04/16/26	EPR	CCB

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DRAWING INDEX

SHEET NO.	DESCRIPTION
1	GEN NOTES / DESCRIPTIONS
2	RETRACTABLE SCREEN COMPONENTS
3	HORIZONTAL SECTION VIEWS
4	VERTICAL SECTION VIEWS
5	DESIGN SCHEDULE (WALL MOUNT)
6	DESIGN SCHEDULE (BUILDOUT MOUNT TYPE 1)
7	DESIGN SCHEDULE (BUILDOUT MOUNT TYPE 2)
8	DESIGN SCHEDULE (INSIDE MOUNT)
9	MULLION DIRECTIVE
10	MULLION SCHEDULE (EXTERIOR)
11	MULLION SCHEDULE (INTERIOR)
12	MULLION END ATTACHMENTS
13	REMOVABLE SCREEN OPTION

REFERENCE THE DESIGN SCHEDULES HEREIN FOR
MAXIMUM ALLOWABLE SPAN/PRESSURE COMBINATIONS
AND ANCHORAGE TO HOST STRUCTURE

GENERAL NOTES

- THIS SYSTEM HAS BEEN TESTED AND EVALUATED AS A LARGE MISSILE IMPACT PROTECTIVE SYSTEM IN ACCORDANCE WITH THE FLORIDA BUILDING/RESIDENTIAL CODE EIGHTH EDITION (2023) FOR USE INSIDE AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ) PER ASTM STANDARDS E330, E1886, E1996 & PER TAS 201, 202 & 203.
- WIND LOAD DURATION FACTOR $C_d=1.6$ HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE. SITE-SPECIFIC PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7-22 SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON TESTED DESIGN PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- OPERABILITY OF ROLL-UP MECHANISM AND HOOD ASSEMBLY ARE NOT PART OF THIS APPROVAL.
- THIS DOCUMENT CONTAINS INFORMATION RELEVANT TO THE NECESSARY STRUCTURAL REQUIREMENTS OF THE SYSTEM INSTALLATION. COMPONENTS AND FASTENERS NOT REFERENCED WHICH ARE PART OF THE INTERNAL FABRICATION OF THE SPECIFIED SYSTEMS OR ASSEMBLIES SHALL BE PER MANUFACTURER PUBLISHED SPECIFICATIONS.
- PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
- ALL EXTRUSIONS SHALL BE MINIMUM 6063-T6 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE.
- SCREENS SHALL HAVE ONE PERMANENT LABEL PER SCREEN WITH THE FOLLOWING MINIMUM INFORMATION:

FENETEX
JACKSONVILLE, FL
MISSILE LEVEL D, WIND ZONE 4
TAS 201, 202 & 203; ASTM E1886, E1996 & E330
FLORIDA PRODUCT APPROVAL NUMBER

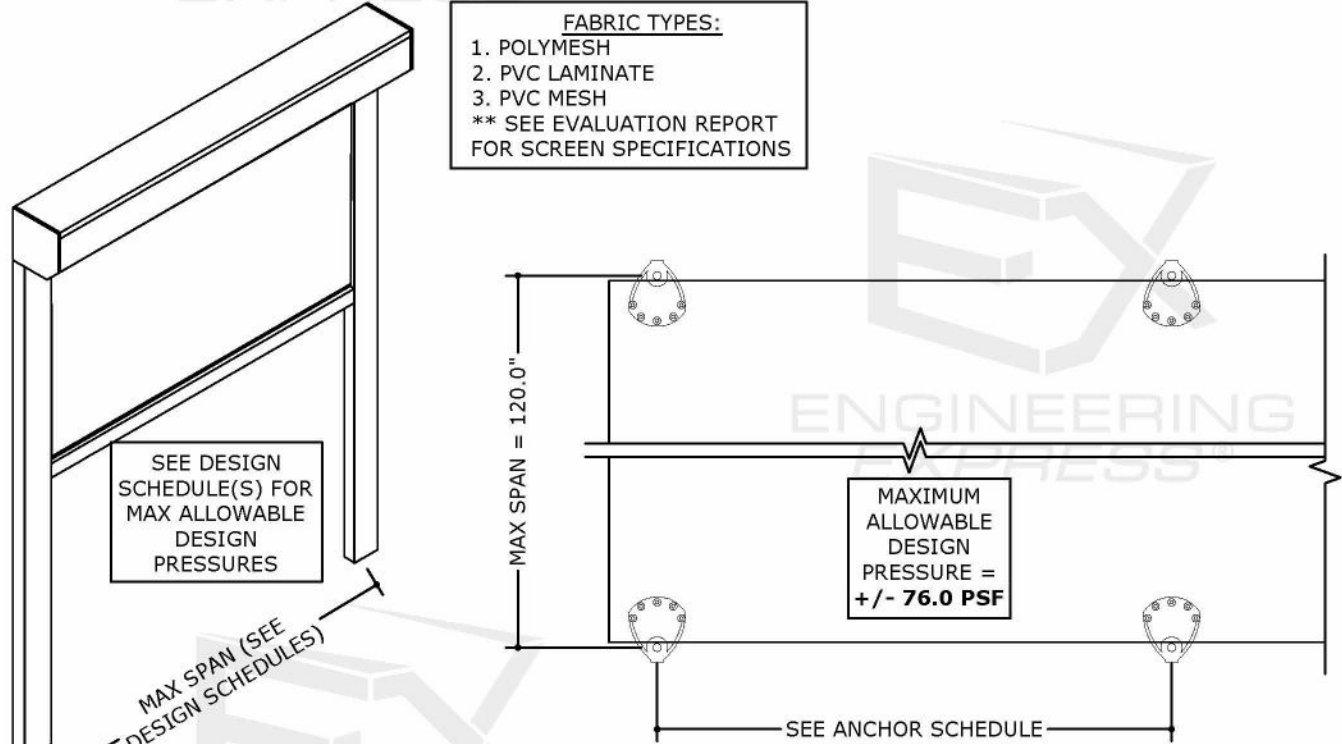
- ALL BOLTS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI.
- ALL DISSIMILAR MATERIALS SHALL BE INSULATED FROM ELECTROLYSIS AS PRESCRIBED IN THE ABOVE-NOTED BUILDING CODE.
- NON-SPAN EDGES DO NOT REQUIRE SEWN HEMS OR ADDITIONAL REINFORCEMENT.
- WITHIN THE HVHZ, PERMANENT SCREENS SHALL BE INSIDE THE OPENING AND REMOVABLE SCREENS SHALL BE DEPLOYED ONLY DURING HIGH WIND EVENTS. REMOVABLE SCREENS SHALL BE STORED AWAY WHEN NOT IN USE.
- SCREENS SHALL COVER ENTIRE OPENING ON ALL SIDES. THE MAXIMUM GAP BETWEEN HOST STRUCTURE AND FABRIC SHALL NOT EXCEED $\frac{1}{4}$ " OR ADDITIONAL CLOSURE ANGLES SHALL BE INSTALLED.

GLASS SEPARATION NOTE:

GLASS SEPARATION NOT REQUIRED OUTSIDE OF WIND ZONE 4 AND THE HVHZ UNLESS REQUIRED BY LOCAL JURISDICTION. 32" MINIMUM GLASS SEPARATION SHALL BE USED WITHIN THE HVHZ AND WIND ZONE 4. GLASS SEPARATION IS DEFINED AS THE DISTANCE FROM THE INSIDE FACE OF THE FABRIC TO THE OUTSIDE SURFACE OF EXISTING GLAZING WHILE SCREEN IS DEPLOYED.

FABRIC TYPES:

- POLYMESH
 - PVC LAMINATE
 - PVC MESH
- ** SEE EVALUATION REPORT
FOR SCREEN SPECIFICATIONS



RETRACTABLE SCREEN

AUTOMATICALLY DEPLOYED HURRICANE PROTECTIVE SCREENS

REMOVABLE SCREEN

MANUALLY DEPLOYED HURRICANE PROTECTIVE SCREENS

TERMINOLOGY:

THE FOLLOWING ABBREVIATIONS APPEAR IN THIS APPROVAL: "INC." FOR "INCORPORATION", "CORP." FOR "CORPORATION", "ALUM" FOR "ALUMINUM", "ASD" FOR "ALLOWABLE STRESS DESIGN", "ASTM" FOR "AMERICAN SOCIETY FOR TESTING AND MATERIALS", "CS" FOR "CARBON STEEL", "CONN" FOR "CONNECTION", "EMBED" FOR "EMBEDMENT", "DIST." FOR "DISTANCE", "GA" FOR "GAUGE", "HVHZ" FOR "HIGH-VELOCITY HURRICANE ZONE", "LB" FOR "POUND", "MAX" FOR "MAXIMUM", "N.T.S." FOR "NOT TO SCALE", "PSF" FOR "POUNDS PER SQUARE FOOT (lb/ft²)", "SPECS" FOR "SPECIFICATIONS", "&" FOR "AND", "MAX" FOR "MAXIMUM", "W/" FOR "WITH", "EXIST" FOR "EXISTING", "STRUCT" FOR "STRUCTURE", "CONC." FOR "CONCRETE". CONTACT ENGINEERING EXPRESS FOR ADDITIONAL ABBREVIATION/TERMINOLOGY CLARIFICATIONS.

RETRACTABLE SCREEN

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NOTE: HOOD ASSEMBLY HAS BEEN TESTED FOR LARGE MISSILE IMPACT AND MAY BE INSTALLED WITHIN THE OPENING

SEE SHEET 3 FOR HORIZ. SECTION VIEWS

SCREEN SYSTEM FABRICATION NOTES:

1. HURRICANE SCREEN AND KEDER COMPONENTS SHALL BE CONSISTENT WITH TESTED MATERIALS AND SPECIFICATIONS PER THE EVALUATION REPORT.
2. 6MM DOUBLE FLAP KEDER WELDED TO HURRICANE SCREEN ON TRACK SIDES AND WEIGHT BAR SIDE WITH MINIMUM 20MM WIDE WELD.
3. 4MM DOUBLE FLAP KEDER WELDED TO SCREEN TOP WITH MINIMUM 10MM WIDE WELD.
4. SCREENS MAY HAVE A MINIMUM 20MM OVERLAP WELDED HORIZONTAL SEAMS WHERE REQUIRED TO EXTEND THE NON-SPAN DIMENSION OF A SCREEN AS REQUIRED FOR THE OPENING.
5. THE ROLL UP MECHANISM, HOOD COVERS, AND COMPONENTS ARE NOT PART OF THIS APPROVAL. SIZES AND TYPE ARE SELECTED BASED ON MANUFACTURER'S SPECIFICATIONS FOR VARYING SCREEN DIMENSIONS.

NOTE: OVERALL DIMENSIONS OF STORAGE HOOD SHALL BE DETERMINED BY THE MANUFACTURER ON A SITE SPECIFIC BASIS FOR OPERABILITY

NOTE: ROLL-UP ASSEMBLY SIZE SHALL BE DETERMINED BY THE MANUFACTURER ON A SITE SPECIFIC BASIS FOR OPERABILITY

SYSTEM COMPONENTS:

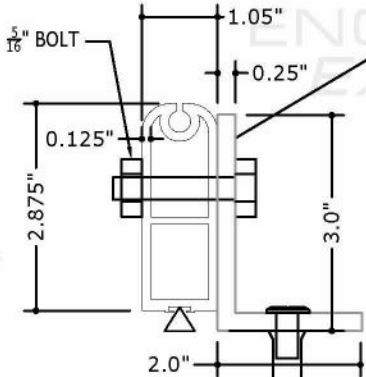
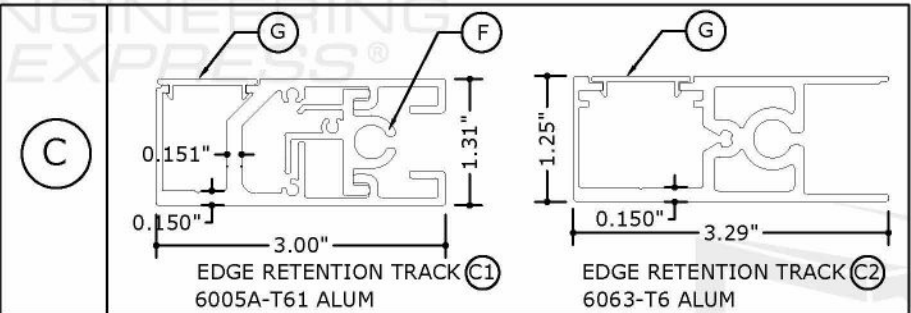
- A. STORAGE HOOD (NON-LOAD BEARING)
- B. ROLL-UP ASSEMBLY (NON-LOAD BEARING)
- C. EDGE RETENTION TRACK (SEE OPTIONS 1-3)
- D. SCREEN
- E. BOTTOM TRACK
- F. 1/4-14X1" ITW/BUILDEX HWH TEK SELECT (OR EQUIV.) @4" O.C.
- G. SCREEN TRACK
- H. SNAP COVER
- I. JAMB CHANNEL
- J. JAMB CHANNEL COVER (OPTIONAL)

RETRACTABLE SCREEN (N.T.S.)

ISOMETRIC

SECONDARY NON-HURRICANE SCREEN TRACK MAY BE ATTACHED TO PRIMARY HURRICANE SCREEN TRACK. SECONDARY SCREEN TRACK ANCHORS ARE NOT INCLUDED IN ANCHOR CALCULATIONS

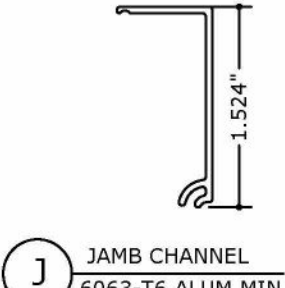
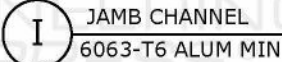
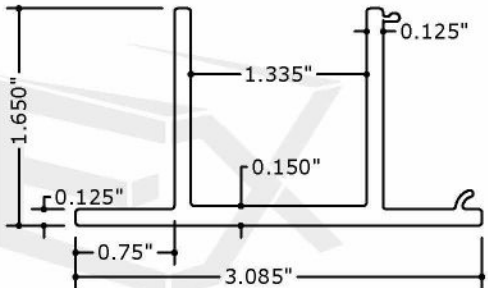
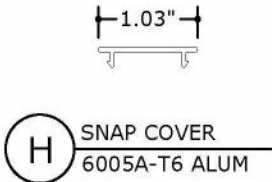
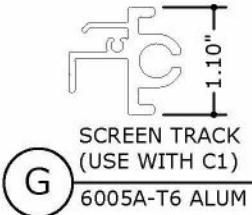
TRACK OPTIONS (PATENT PENDING)



FOR SHUTTERS WITH SPANS GREATER THAN 192", HOLD DOWN BRACKETS SHALL BE PROVIDED PER THE BELOW DIRECTIVE:

- OPTION 1: PROVIDE (2) 12" LONG BRACKETS AT 36" FROM BOTTOM BAR ENDS. PROVIDE (3) DEWALT PANELMATES TO CONC. AND (1) BOLT TO BOTTOM TRACK.
- OPTION 2: PROVIDE (1) 20" LONG BRACKET AT CENTER. PROVIDE (5) DEWALT PANELMATES TO CONC. AND (3) BOLTS TO BOTTOM TRACK.

DEWALT PANELMATE INSERT W/ 1 5/8" EMBED, 4" MIN SPACING & 3" MIN EDGE DIST. (TO 2.5 KSI MIN CONC.). PROVIDE 1/4-20 SCREW W/ WASHER, TYP.



NOTE: JAMB CHANNEL COVER IS CONSIDERED AN OPTIONAL, NON-STRUCTURAL ADDITIONAL COMPONENT AND SHALL BE PER THE MANUFACTURER'S SPECIFICATIONS.

3 13



RETRACTABLE SCREEN

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

FL

FRANK L. BENNARDO

LICENSE

No 0046549

STATE OF FLORIDA

PROFESSIONAL ENGINEER

04/16/2026

- HOUSING NOTES:
- 1. HOUSING (0.040" THICK ALUM MIN, 3105-H14 MIN)
 - 2. END CAP (CAST ALUM, SHALL BE CAPABLE OF SUPPORTING SLAT AND LIFT MECHANISM WEIGHT)
 - 3. 3/16" ALUM POP RIVETS (6 TOTAL PER SIDE CAP, 2 AT TO, 2 AT REAR, 2 AT BOTTOM)
 - 4. HOOD HAS BEEN TESTED FOR IMPACT / CYCLING AND MAY BE INSTALLED WITHIN OPENING

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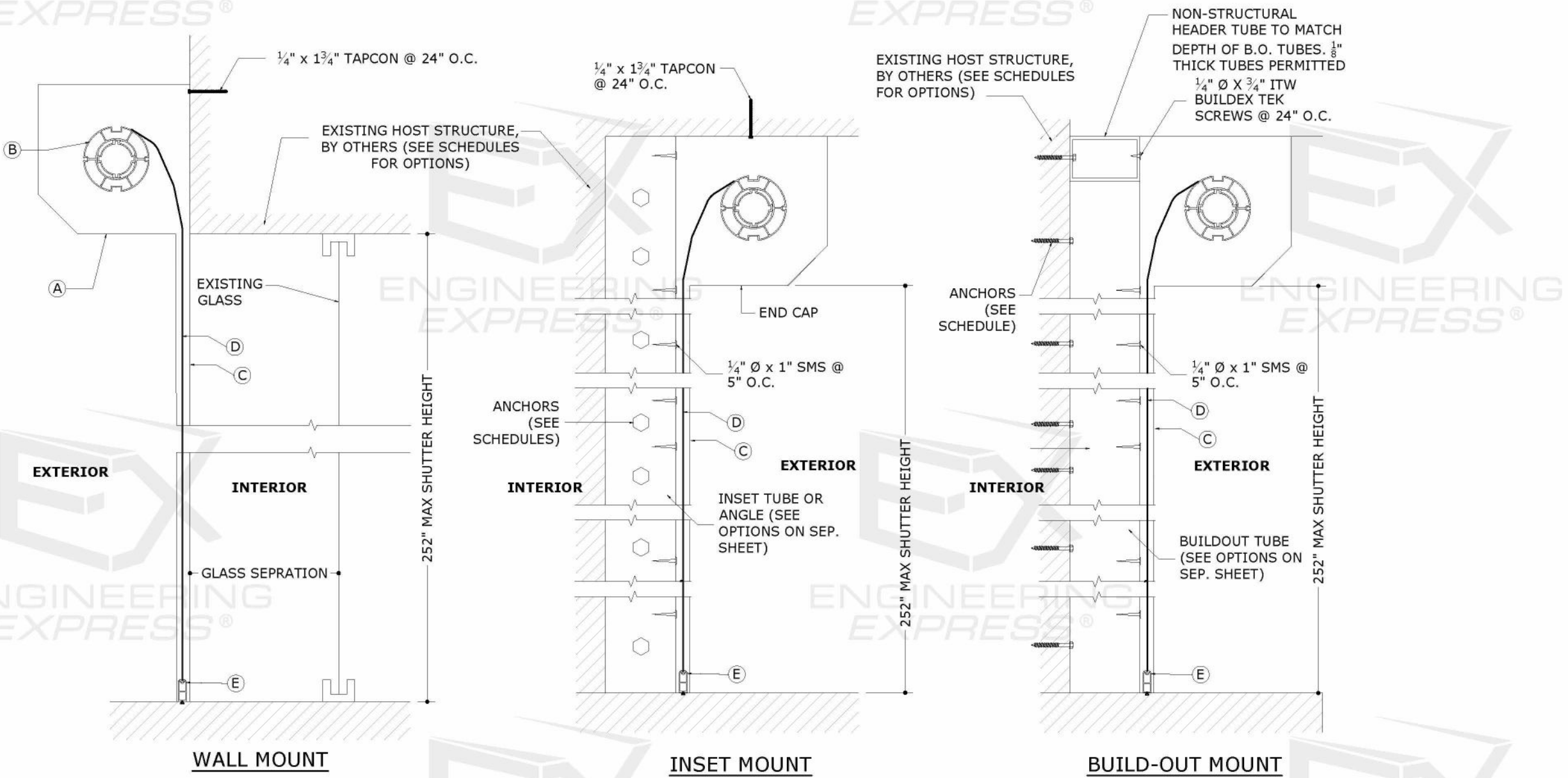
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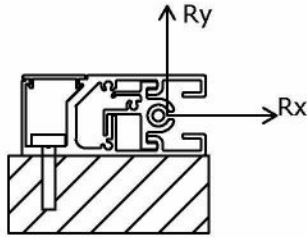
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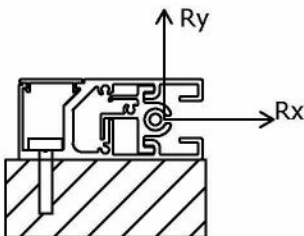
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TRACK-TO-HOST CONNECTIONS (N.T.S.)
VERTICAL SECTIONS

DESIGN SCHEDULE: DIRECT MOUNT



				MAXIMUM SPACING (O.C.)										
				CONCRETE				GROUT-FILLED BLOCK	HOLLOW BLOCK	WOOD	STEEL	ALUMINUM	STEEL OR ALUMINUM	CONCRETE
				1/4" DEWALT ULTRACON+ TO 3000 PSI MIN. CONCRETE; 1.75" MIN. EMBEDMENT; 2.5" MIN. EDGE DISTANCE	1/4" SS ITW TAPCON TO 3000 PSI MIN. CONCRETE; 1.75" MIN. EMBEDMENT; 2.5" MIN. EDGE DISTANCE	5/16" DEWALT ULTRACON OR HILLMAN POWER PRO TO 3000 PSI MIN. CONCRETE; 2" MIN. EMBEDMENT; 3.125" MIN. EDGE DISTANCE	5/16" ITW TAPCON XL OR HILLMAN POWER PRO TO 3000 PSI MIN. CONCRETE; 2.25" MIN. EMBEDMENT; 3.125" MIN. EDGE DISTANCE	TO GROUT-FILLED CONCRETE BLOCK; 2.25" MIN. EMBEDMENT; 4" MIN. EDGE DISTANCE	TO HOLLOW CONCRETE BLOCK; 1.75" MIN. EMBEDMENT; 4" MIN. EDGE DISTANCE	5/16" LAG SCREW TO G=0.55 MIN WOOD; 2" MIN. EMBEDMENT; 0.75" MIN. EDGE DISTANCE	#14 410 SS SMS W/ FULL THREAD PENETRATION OR 1/4-20 410 SS THRU-BOLT TO 0.125" MIN. A36 STEEL; 0.5" MIN. EDGE DISTANCE	#14 410 SS SMS W/ FULL THREAD PENETRATION OR 1/4-20 410 SS THRU-BOLT TO 0.125" MIN. 6063-T6 ALUM; 0.5" MIN. EDGE DISTANCE	5/16" 410 SS SMS W/ FULL THREAD PENETRATION OR 5/16-18 410 SS THRU-BOLT TO 0.25" MIN. A36 STEEL OR 6063-T6 ALUM; 0.625" MIN. EDGE DISTANCE	3/8" DEWALT SCREW BOLT OR ITW REDHEAD TO 3000 PSI MIN. CONCRETE; 3.50" MIN. EMBEDMENT; 5" MIN. EDGE DISTANCE
SPAN	DESIGN PRESSURE	R _x	R _y											
72"	+/- 35 PSF	158 LB/FT	105 LB/FT	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
	+/- 55 PSF	248 LB/FT	165 LB/FT	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
	+/- 75 PSF	338 LB/FT	225 LB/FT	6"	6"	6"	6"	6"	5"	6"	6"	6"	6"	6"
	+/- 95 PSF	428 LB/FT	285 LB/FT	6"	6"	6"	6"	6"	4"	6"	6"	6"	6"	6"
	+/- 115 PSF	423 LB/FT	345 LB/FT	6"	6"	6"	6"	6"		5"	6"	6"	6"	6"
	+/- 135 PSF	497 LB/FT	405 LB/FT	6"	6"	6"	6"	6"		5"	6"	6"	6"	6"
	+/- 155 PSF	571 LB/FT	465 LB/FT	6"	5"	6"	6"	6"		4"	6"	5"	6"	6"
	+/- 175 PSF	644 LB/FT	525 LB/FT	5"	5"	6"	6"	6"		4"	6"	4"	6"	6"
	+/- 195 PSF	718 LB/FT	585 LB/FT	5"	4"	5"	6"	6"		3"	5"	4"	6"	6"
90"	+/- 200 PSF	736 LB/FT	600 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 35 PSF	221 LB/FT	131 LB/FT	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
	+/- 55 PSF	348 LB/FT	206 LB/FT	6"	6"	6"	6"	6"	5"	6"	6"	6"	6"	6"
	+/- 75 PSF	475 LB/FT	281 LB/FT	6"	6"	6"	6"	6"		5"	6"	6"	6"	6"
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	+/- 175 PSF	923 LB/FT	656 LB/FT	4"	3"	4"	6"	5"		3"	4"	3"	6"	6"
108"	+/- 181 PSF	954 LB/FT	679 LB/FT	4"	3"	4"	6"	5"		2"	4"	3"	6"	6"
	+/- 35 PSF	290 LB/FT	158 LB/FT	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
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	+/- 75 PSF	621 LB/FT	338 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	6"
	+/- 95 PSF	787 LB/FT	428 LB/FT	5"	5"	6"	6"	6"		3"	5"	4"	6"	6"
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126"	+/- 35 PSF	362 LB/FT	184 LB/FT	6"	6"	6"	6"	6"	5"	6"	6"	6"	6"	6"
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144"	+/- 35 PSF	405 LB/FT	210 LB/FT	6"	6"	6"	6"	6"	5"	6"	6"	6"	6"	6"
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	+/- 95 PSF	810 LB/FT	570 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 115 PSF	887 LB/FT	690 LB/FT	4"	3"	4"	6"	5"		3"	4"	3"	6"	6"
	+/- 125 PSF	880 LB/FT	750 LB/FT	4"	3"	4"	6"	5"		3"	4"	3"	6"	6"
162"	+/- 35 PSF	449 LB/FT	236 LB/FT	6"	6"	6"	6"	6"	4"	6"	6"	6"	6"	6"
	+/- 55 PSF	663 LB/FT	371 LB/FT	6"	5"	6"	6"	6"		4"	6"	5"	6"	6"
	+/- 75 PSF	854 LB/FT	506 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 95 PSF	885 LB/FT	641 LB/FT	4"	4"	5"	6"	5"		3"	4"	3"	6"	6"
	+/- 107 PSF	878 LB/FT	722 LB/FT	4"	3"	4"	6"	5"		3"	4"	3"	6"	6"
180"	+/- 35 PSF	521 LB/FT	263 LB/FT	6"	6"	6"	6"	6"		5"	6"	6"	6"	6"
	+/- 55 PSF	733 LB/FT	413 LB/FT	5"	5"	6"	6"	6"		3"	6"	5"	6"	6"
	+/- 75 PSF	825 LB/FT	563 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 88 PSF	874 LB/FT	660 LB/FT	4"	4"	4"	6"	5"		3"	4"	3"	6"	6"
192"	+/- 35 PSF	504 LB/FT	280 LB/FT	6"	6"	6"	6"	6"		5"	6"	6"	6"	6"
	+/- 55 PSF	634 LB/FT	440 LB/FT	5"	5"	6"	6"	6"		4"	6"	5"	6"	6"
	+/- 76 PSF	755 LB/FT	608 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
210"	+/- 35 PSF	603 LB/FT	306 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	6"
	+/- 55 PSF	729 LB/FT	481 LB/FT	5"	5"	6"	6"	6"		3"	5"	4"	6"	6"
	+/- 70 PSF	832 LB/FT	613 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
228"	+/- 35 PSF	677 LB/FT	333 LB/FT	6"	5"	6"	6"	6"		4"	6"	5"	6"	6"
	+/- 55 PSF	859 LB/FT	523 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 65 PSF	910 LB/FT	618 LB/FT	4"	4"	5"	6"	5"		3"	4"	3"	6"	6"
246"	+/- 35 PSF	752 LB/FT	359 LB/FT	5"	5"	6"	6"	6"		3"	6"	5"	6"	6"
	+/- 55 PSF	963 LB/FT	564 LB/FT	4"	4"	5"	6"	5"		3"	4"	3"	6"	6"
	+/- 60 PSF	978 LB/FT	615 LB/FT	4"	3"	4"	6"	5"		2"	4"	3"	6"	6"
264"	+/- 35 PSF	829 LB/FT	385 LB/FT	5"	5"	6"	6"	6"		3"	6"	4"	6"	6"
	+/- 55 PSF	1033 LB/FT	605 LB/FT	4"	3"	4"	6"	5"		2"	4"	3"	6"	6"
282"	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	6"	6"	6"		3"	5"	4"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT	4"	3"	4"	6"	5"		2"	4"	3"	6"	6"
300"	+/- 35 PSF	984 LB/FT	438 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT	4"	3"	4"	6"	5"		2"	4"	3"	6"	6"

1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
2. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
3. ANCHOR SCHEDULE APPLIES TO ALL PRODUCTS CERTIFIED HEREIN, BUT ONLY PROVIDES MAXIMUM ALLOWABLE ANCHOR SPACING. MAXIMUM ALLOWABLE SPANS AND PRESSURES INDICATED IN SPAN SCHEDULE SHALL APPLY.
4. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
5. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
6. MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD ("SIDEWALK BOLT") U.N.O.
7. SHEET METAL SCREWS SHALL BE INSTALLED WITH FULL ENGAGEMENT OF THREADS INTO METAL HOST STRUCTURE (3 PITCHED MIN PAST THREAD PLANE).
8. DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE FOR USE.
9. N/A DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ALLOWED.
10. ANCHORS TO GROUT-FILLED BLOCK SHALL PENETRATE THROUGH FACE SHELL INTO GROUTED CELL.
11. SCREWS/BOLTS IN ALUMINUM OR STEEL SHALL HAVE MINIMUM SPACING OF 3X SCREW DIAMETER AND SHALL HAVE A MINIMUM EDGE DISTANCE OF 2X SCREW DIAMETER.
12. BLACKED OUT CELLS REPRESENT ANCHORAGE CONDITIONS NOT APPROVED FOR USE.

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FENETEX HURRICANE SCREENS
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL / FSCA)

REMARKS	DWRN	CHKD	DATE
INIT ISSUE	RWN	RWN	2-8-2021
2023 FBC	RWN	RWN	12-26-2023
REVISION	EPR	CCB	04/16/26
	-	-	-
	-	-	-

23-62405

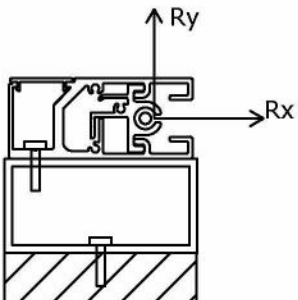
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A schematic diagram of a mechanical assembly. It shows a base with a hatched pattern, a rectangular block on top of it, and a more complex component on top of the block. The complex component has several internal features and a central circular hole. A coordinate system is shown with the origin at the center of the hole. The vertical axis is labeled R_y and the horizontal axis is labeled R_x .

				MAXIMUM SPACING (O.C.)										
				CONCRETE				GROUT-FILLED BLOCK	HOLLOW BLOCK	WOOD	STEEL	ALUMINUM	STEEL OR ALUMINUM	CONCRETE
				1/4" DEWALT ULTRACON+ TO 3000 PSI MIN. CONCRETE; 1.75" MIN. EMBEDMENT; 2.5" MIN. EDGE DISTANCE	1/4" SS ITW TAPCON TO 3000 PSI MIN. CONCRETE; 1.75" MIN. EMBEDMENT; 2.5" MIN. EDGE DISTANCE	5/16" DEWALT ULTRACON OR HILLMAN POWER PRO TO 3000 PSI MIN. CONCRETE; 2" MIN. EMBEDMENT; 3.125" MIN. EDGE DISTANCE	5/16" ITW TAPCON XL OR HILLMAN POWER PRO TO 3000 PSI MIN. CONCRETE; 2.25" MIN. EMBEDMENT; 3.125" MIN. EDGE DISTANCE	TO GROUT-FILLED CONCRETE BLOCK; 2.25" MIN. EMBEDMENT; 4" MIN. EDGE DISTANCE	TO HOLLOW CONCRETE BLOCK; 1.75" MIN. EMBEDMENT; 4" MIN. EDGE DISTANCE	5/16" LAG SCREW TO G=0.55 MIN WOOD; 2" MIN. EMBEDMENT; 0.75" MIN. EDGE DISTANCE	#14 410 SS SMS W/ FULL THREAD PENETRATION OR 1/4-20 410 SS THRU-BOLT TO 0.125" MIN. A36 STEEL; 0.5" MIN. EDGE DISTANCE	#14 410 SS SMS W/ FULL THREAD PENETRATION OR 1/4-20 410 SS THRU-BOLT TO 0.125" MIN. 6063-T6 ALUM; 0.5" MIN. EDGE DISTANCE	5/16" 410 SS SMS W/ FULL THREAD PENETRATION OR 5/16-18 410 SS THRU-BOLT TO 0.25" MIN. A36 STEEL OR 6063-T6 ALUM; 0.625" MIN. EDGE DISTANCE	3/8" DEWALT SCREW BOLT OR ITW REDHEAD TO 3000 PSI MIN. CONCRETE; 3.50" MIN. EMBEDMENT; 5" MIN. EDGE DISTANCE
SPAN	DESIGN PRESSURE	R _x	R _y											
72"	+/- 35 PSF	158 LB/FT	105 LB/FT	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	
	+/- 55 PSF	248 LB/FT	165 LB/FT	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	
	+/- 75 PSF	338 LB/FT	225 LB/FT	6"	6"	6"	6"	6"	4"	6"	6"	6"	6"	
	+/- 95 PSF	428 LB/FT	285 LB/FT	6"	6"	6"	6"	6"	4"	6"	6"	6"	6"	
	+/- 115 PSF	423 LB/FT	345 LB/FT	6"	6"	6"	6"	6"	4"	6"	6"	6"	6"	
	+/- 135 PSF	497 LB/FT	405 LB/FT	5"	5"	6"	6"	6"	4"	6"	5"	6"	6"	
	+/- 155 PSF	571 LB/FT	465 LB/FT	5"	4"	6"	6"	6"	3"	5"	4"	6"	6"	
	+/- 175 PSF	644 LB/FT	525 LB/FT	4"	4"	5"	6"	6"	3"	5"	4"	6"	6"	
	+/- 195 PSF	718 LB/FT	585 LB/FT	4"	4"	5"	6"	5"	3"	4"	3"	6"	6"	
+/- 200 PSF	736 LB/FT	600 LB/FT	4"	3"	4"	6"	5"	2"	4"	3"	6"	6"		
90"	+/- 35 PSF	221 LB/FT	131 LB/FT	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	
	+/- 55 PSF	348 LB/FT	206 LB/FT	6"	6"	6"	6"	6"	4"	6"	6"	6"	6"	
	+/- 75 PSF	475 LB/FT	281 LB/FT	6"	6"	6"	6"	6"	4"	6"	6"	6"	6"	
	+/- 95 PSF	601 LB/FT	356 LB/FT	5"	5"	6"	6"	6"	3"	6"	5"	6"	6"	
	+/- 115 PSF	606 LB/FT	431 LB/FT	5"	4"	6"	6"	6"	3"	5"	4"	6"	6"	
	+/- 135 PSF	712 LB/FT	506 LB/FT	4"	4"	5"	6"	6"	3"	5"	4"	6"	6"	
	+/- 155 PSF	817 LB/FT	581 LB/FT	3"	3"	4"	6"	5"	2"	4"	3"	6"	6"	
	+/- 175 PSF	923 LB/FT	656 LB/FT	3"		4"	5"			3"	3"	6"	6"	
	+/- 181 PSF	954 LB/FT	679 LB/FT				5"			3"	3"	6"	6"	
108"	+/- 35 PSF	290 LB/FT	158 LB/FT	6"	6"	6"	6"	6"	5"	6"	6"	6"	6"	
	+/- 55 PSF	456 LB/FT	248 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	
	+/- 75 PSF	621 LB/FT	338 LB/FT	5"	5"	6"	6"	6"		3"	6"	6"	6"	
	+/- 95 PSF	787 LB/FT	428 LB/FT	4"	4"	5"	6"	6"		2"	4"	6"	6"	
	+/- 115 PSF	749 LB/FT	518 LB/FT	4"	4"	5"	6"	5"		3"	4"	6"	6"	
	+/- 135 PSF	879 LB/FT	608 LB/FT	3"	3"	4"	6"	5"			4"	6"	6"	
	+/- 155 PSF	942 LB/FT	698 LB/FT				5"			3"	3"	6"	6"	
	+/- 162 PSF	923 LB/FT	729 LB/FT				5"			3"	3"	6"	6"	
	+/- 35 PSF	362 LB/FT	184 LB/FT	6"	6"	6"	6"	6"	4"	5"	6"	6"	6"	
126"	+/- 55 PSF	568 LB/FT	289 LB/FT	5"	5"	6"	6"	6"		3"	6"	5"	6"	
	+/- 75 PSF	775 LB/FT	394 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	
	+/- 95 PSF	736 LB/FT	499 LB/FT	4"	4"	5"	6"	6"		3"	4"	4"	6"	
	+/- 115 PSF	891 LB/FT	604 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	
	+/- 135 PSF	930 LB/FT	709 LB/FT				5"				3"	3"	6"	
	+/- 144 PSF	940 LB/FT	756 LB/FT				5"				3"	3"	6"	
144"	+/- 35 PSF	405 LB/FT	210 LB/FT	6"	6"	6"	6"	6"	4"	5"	6"	6"	6"	
	+/- 55 PSF	636 LB/FT	330 LB/FT	5"	5"	6"	6"	6"		3"	6"	5"	6"	
	+/- 75 PSF	868 LB/FT	450 LB/FT	4"	3"	5"	6"	5"		2"	4"	3"	6"	
	+/- 95 PSF	810 LB/FT	570 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	
	+/- 115 PSF	887 LB/FT	690 LB/FT	3"		4"	5"				4"	3"	6"	
	+/- 125 PSF	880 LB/FT	750 LB/FT	3"			5"				3"	3"	6"	
162"	+/- 35 PSF	449 LB/FT	236 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	
	+/- 55 PSF	663 LB/FT	371 LB/FT	5"	4"	6"	6"	6"		3"	5"	4"	6"	
	+/- 75 PSF	854 LB/FT	506 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	
	+/- 95 PSF	885 LB/FT	641 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	
	+/- 107 PSF	878 LB/FT	722 LB/FT	3"			5"				3"	3"	6"	
	+/- 35 PSF	521 LB/FT	263 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	
180"	+/- 55 PSF	733 LB/FT	413 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	
	+/- 75 PSF	825 LB/FT	563 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	
	+/- 88 PSF	874 LB/FT	660 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	
	+/- 35 PSF	504 LB/FT	280 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	
192"	+/- 55 PSF	634 LB/FT	440 LB/FT	4"	4"	6"	6"	6"		3"	5"	4"	6"	
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228"	+/- 55 PSF	859 LB/FT	523 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	
	+/- 65 PSF	910 LB/FT	618 LB/FT	3"		4"	5"	5"			3"	3"	6"	
	+/- 35 PSF	752 LB/FT	359 LB/FT	4"	4"	5"	6"	6"		3"	5"	5"	6"	
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264"	+/- 55 PSF	1033 LB/FT	605 LB/FT				5"				3"	3"	6"	
	+/- 35 PSF	906 LB/FT	411 LB/FT	3"	3"	5"	6"	5"			4"	3"	6"	
282"	+/- 50 PSF	1035 LB/FT	588 LB/FT				5"				3"	3"	6"	
	+/- 35 PSF	984 LB/FT	438 LB/FT	3"		4"	6"	5"			4"	3"	6"	
300"	+/- 45 PSF	1021 LB/FT	563 LB/FT			4"	5"				3"	3"	6"	

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FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	RWN	RWN	2-8-2021
2023 FBC	RWN	RWN	12-26-2023
REVISION	EPR	CCB	04/16/26
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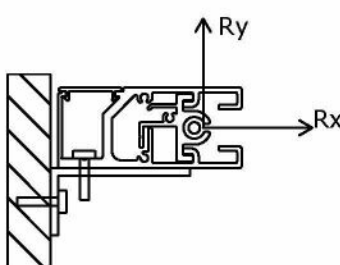
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A schematic diagram of a mechanical assembly. On the left, a vertical hatched bar represents a fixed support. A horizontal bar is attached to this support. A complex, multi-ported component is mounted on the horizontal bar. Two coordinate axes are shown: R_x pointing horizontally to the right and R_y pointing vertically upwards.

				MAXIMUM SPACING (O.C.)										
				CONCRETE				GROUT-FILLED BLOCK	HOLLOW BLOCK	WOOD	STEEL	ALUMINUM	STEEL OR ALUMINUM	CONCRETE
				1/4" DEWALT ULTRACON+ TO 3000 PSI MIN. CONCRETE; 1.75" MIN. EMBEDMENT; 2.5" MIN. EDGE DISTANCE	1/4" SS ITW TAPCON TO 3000 PSI MIN. CONCRETE; 1.75" MIN. EMBEDMENT; 2.5" MIN. EDGE DISTANCE	5/16" DEWALT ULTRACON OR HILLMAN POWER PRO TO 3000 PSI MIN. CONCRETE; 2" MIN. EMBEDMENT; 3.125" MIN. EDGE DISTANCE	5/16" ITW TAPCON XL OR HILLMAN POWER PRO TO 3000 PSI MIN. CONCRETE; 2.25" MIN. EMBEDMENT; 3.125" MIN. EDGE DISTANCE	TO GROUT-FILLED CONCRETE BLOCK; 2.25" MIN. EMBEDMENT; 4" MIN. EDGE DISTANCE	TO HOLLOW CONCRETE BLOCK; 1.75" MIN. EMBEDMENT; 4" MIN. EDGE DISTANCE	5/16" LAG SCREW TO G=0.55 MIN WOOD; 2" MIN. EMBEDMENT; 0.75" MIN. EDGE DISTANCE	#14 410 SS SMS W/ FULL THREAD PENETRATION OR 1/4-20 410 SS THRU-BOLT TO 0.125" MIN. A36 STEEL; 0.5" MIN. EDGE DISTANCE	#14 410 SS SMS W/ FULL THREAD PENETRATION OR 1/4-20 410 SS THRU-BOLT TO 0.125" MIN. 6063-T6 ALUM; 0.5" MIN. EDGE DISTANCE	5/16" 410 SS SMS W/ FULL THREAD PENETRATION OR 5/16-18 410 SS THRU-BOLT TO 0.25" MIN. A36 STEEL OR 6063-T6 ALUM; 0.625" MIN. EDGE DISTANCE	3/8" DEWALT SCREW BOLT OR ITW REDHEAD TO 3000 PSI MIN. CONCRETE; 3.50" MIN. EMBEDMENT; 5" MIN. EDGE DISTANCE
SPAN	DESIGN PRESSURE	R _x	R _y											
72"	+/- 35 PSF	158 LB/FT	105 LB/FT	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
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	+/- 75 PSF	338 LB/FT	225 LB/FT	6"	6"	6"	6"	6"	4"	6"	6"	6"	6"	6"
	+/- 95 PSF	428 LB/FT	285 LB/FT	6"	6"	6"	6"	6"		5"	6"	6"	6"	6"
	+/- 115 PSF	423 LB/FT	345 LB/FT	6"	6"	6"	6"	6"		5"	6"	6"	6"	6"
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	+/- 95 PSF	601 LB/FT	356 LB/FT	5"	5"	6"	6"	6"		3"	6"	5"	6"	6"
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108"	+/- 35 PSF	290 LB/FT	158 LB/FT	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
	+/- 55 PSF	456 LB/FT	248 LB/FT	6"	6"	6"	6"	6"		5"	6"	6"	6"	6"
	+/- 75 PSF	621 LB/FT	338 LB/FT	5"	5"	6"	6"	6"		3"	6"	5"	6"	6"
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126"	+/- 55 PSF	568 LB/FT	289 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	6"
	+/- 75 PSF	775 LB/FT	394 LB/FT	4"	4"	6"	6"	6"		3"	5"	4"	6"	6"
	+/- 95 PSF	736 LB/FT	499 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 115 PSF	891 LB/FT	604 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	6"
	+/- 135 PSF	930 LB/FT	709 LB/FT	3"		4"	6"	5"			4"	3"	6"	6"
	+/- 144 PSF	940 LB/FT	756 LB/FT	3"			5"				3"	3"	6"	6"
	+/- 35 PSF	405 LB/FT	210 LB/FT	6"	6"	6"	6"	6"	4"	5"	6"	6"	6"	6"
	+/- 55 PSF	636 LB/FT	330 LB/FT	5"	5"	6"	6"	6"		3"	6"	5"	6"	6"
	+/- 75 PSF	868 LB/FT	450 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
144"	+/- 95 PSF	810 LB/FT	570 LB/FT	4"	4"	5"	6"	5"		3"	4"	3"	6"	6"
	+/- 115 PSF	887 LB/FT	690 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	6"
	+/- 125 PSF	880 LB/FT	750 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	6"
	+/- 35 PSF	449 LB/FT	236 LB/FT	6"	6"	6"	6"	6"		5"	6"	6"	6"	6"
	+/- 55 PSF	663 LB/FT	371 LB/FT	5"	5"	6"	6"	6"		3"	6"	5"	6"	6"
	+/- 75 PSF	854 LB/FT	506 LB/FT	4"	4"	5"	6"	5"		2"	4"	4"	6"	6"
	+/- 95 PSF	885 LB/FT	641 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	6"
	+/- 107 PSF	878 LB/FT	722 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	6"
	+/- 35 PSF	521 LB/FT	263 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	6"
162"	+/- 55 PSF	733 LB/FT	413 LB/FT	4"	4"	6"	6"	6"		3"	5"	4"	6"	6"
	+/- 75 PSF	825 LB/FT	563 LB/FT	4"	4"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 88 PSF	874 LB/FT	660 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	6"
	+/- 35 PSF	504 LB/FT	280 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	6"
	+/- 55 PSF	634 LB/FT	440 LB/FT	5"	5"	6"	6"	6"		3"	5"	4"	6"	6"
	+/- 76 PSF	755 LB/FT	608 LB/FT	4"	4"	5"	6"	5"		3"	4"	3"	6"	6"
	+/- 35 PSF	603 LB/FT	306 LB/FT	5"	5"	6"	6"	6"		4"	6"	5"	6"	6"
	+/- 55 PSF	729 LB/FT	481 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 70 PSF	832 LB/FT	613 LB/FT	4"	3"	4"	6"	5"		2"	4"	3"	6"	6"
180"	+/- 35 PSF	677 LB/FT	333 LB/FT	5"	5"	6"	6"	6"		3"	6"	5"	6"	6"
	+/- 55 PSF	859 LB/FT	523 LB/FT	4"	4"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 65 PSF	910 LB/FT	618 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	6"
	+/- 35 PSF	752 LB/FT	359 LB/FT	4"	4"	6"	6"	6"		3"	5"	4"	6"	6"
	+/- 55 PSF	963 LB/FT	564 LB/FT	4"	3"	6"	6"	5"			4"	3"	6"	6"
	+/- 60 PSF	978 LB/FT	615 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 35 PSF	829 LB/FT	385 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 55 PSF	1033 LB/FT	605 LB/FT	3"		4"	5"				4"	3"	6"	6"
	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
192"	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
	+/- 35 PSF	984 LB/FT	438 LB/FT	3"	3"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
	+/- 35 PSF	984 LB/FT	438 LB/FT	3"	3"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
210"	+/- 35 PSF	984 LB/FT	438 LB/FT	3"	3"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
	+/- 35 PSF	984 LB/FT	438 LB/FT	3"	3"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
	+/- 35 PSF	984 LB/FT	438 LB/FT	3"	3"	5"	6"	5"		2"	4"	3"	6"	6"
228"	+/- 45 PSF	1021 LB/FT	563 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
	+/- 35 PSF	984 LB/FT	438 LB/FT	3"	3"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
	+/- 35 PSF	984 LB/FT	438 LB/FT	3"	3"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
246"	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
	+/- 35 PSF	984 LB/FT	438 LB/FT	3"	3"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
	+/- 35 PSF	984 LB/FT	438 LB/FT	3"	3"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
264"	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
	+/- 35 PSF	984 LB/FT	438 LB/FT	3"	3"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
	+/- 35 PSF	984 LB/FT	438 LB/FT	3"	3"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
282"	+/- 35 PSF	984 LB/FT	438 LB/FT	3"	3"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 35 PSF	906 LB/FT	411 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
	+/- 35 PSF	984 LB/FT	438 LB/FT	3"										

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(904) 437-5168

FENETEX HURRICANE SCREENS
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA)

[illegible]

SCALE: NTS UNLESS NOTED

8

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FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

FL

FRANK L. BENNARDO
LICENSE
No 0046549
STATE OF FLORIDA
PROFESSIONAL ENGINEER
04/15/2026



N.T.S.

ISOMETRIC



N.T.S.

ISOMETRIC

NOTE:
THE DIAGRAMS ON THIS SHEET
SHALL BE USED TO DETERMINE
THE APPLICABLE MULLION
OPTION(S) IN THE MULLION
SCHEDULES AND MULLION
ATTACHMENT SCHEDULE



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(904) 437-5168

FENETEX HURRICANE SCREENS
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	RWVN	RWVN	2-8-2021
2023 FBC	RWVN	RWVN	12-26-2023
REVISION	EPR	CCB	04/16/26
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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23-62405

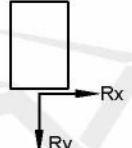
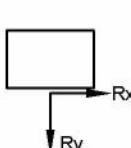
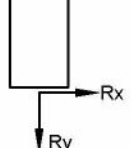
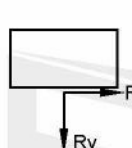
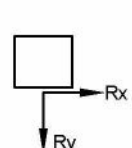
SCALE: NTS UNLESS NOTED

RETRACTABLE SCREEN

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

FL



MULLION SCHEDULE: END MULLIONS																					
		4"x6"x0.25" ALUM TUBE				6"x4"x0.25" ALUM TUBE				4"x8"x0.25" ALUM TUBE				8"x4"x0.25" ALUM TUBE				4"x4"x0.25" ALUM TUBE			
SLAT SPAN	DESIGN PRESSURE	MAX MULLION LENGTH	END REACTION Rv	END REACTION Rt	END REACTION Rsum	MAX MULLION LENGTH	END REACTION Rv	END REACTION Rt	END REACTION Rsum	MAX MULLION LENGTH	END REACTION Rv	END REACTION Rt	END REACTION Rsum	MAX MULLION LENGTH	END REACTION Rv	END REACTION Rt	END REACTION Rsum	MAX MULLION LENGTH	END REACTION Rv	END REACTION Rt	END REACTION Rsum
72"	+/- 35 PSF	144.0"	945.0 LB	630.0 LB	1135.7 LB	144.0"	945.0 LB	630.0 LB	1135.7 LB	144.0"	945.0 LB	630.0 LB	1135.7 LB	144.0"	945.0 LB	630.0 LB	1135.7 LB	144.0"	945.0 LB	630.0 LB	1135.7 LB
	+/- 55 PSF	144.0"	1485.0 LB	990.0 LB	1784.7 LB	144.0"	1485.0 LB	990.0 LB	1784.7 LB	144.0"	1485.0 LB	990.0 LB	1784.7 LB	144.0"	1485.0 LB	990.0 LB	1784.7 LB	140.4"	1447.7 LB	965.2 LB	1740.0 LB
	+/- 75 PSF	144.0"	2025.0 LB	1350.0 LB	2433.7 LB	141.6"	1991.0 LB	1327.3 LB	2392.9 LB	144.0"	2025.0 LB	1350.0 LB	2433.7 LB	144.0"	2025.0 LB	1350.0 LB	2433.7 LB	121.2"	1703.8 LB	1135.9 LB	2047.8 LB
	+/- 95 PSF	133.1"	2370.2 LB	1580.1 LB	2848.6 LB	130.9"	2330.9 LB	1553.9 LB	2801.4 LB	144.0"	2565.0 LB	1710.0 LB	3082.7 LB	142.3"	2534.1 LB	1689.4 LB	3045.7 LB	107.7"	1917.6 LB	1278.4 LB	2304.7 LB
	+/- 115 PSF	128.9"	2273.3 LB	1852.3 LB	2932.4 LB	130.4"	2300.8 LB	1874.8 LB	2967.9 LB	144.0"	2540.5 LB	2070.0 LB	3277.0 LB	142.7"	2517.9 LB	2051.7 LB	3248.0 LB	103.7"	1828.9 LB	1490.2 LB	2359.1 LB
	+/- 135 PSF	118.9"	2463.1 LB	2007.0 LB	3177.2 LB	120.4"	2492.9 LB	2031.3 LB	3215.7 LB	134.3"	2781.5 LB	2266.4 LB	3587.9 LB	135.3"	2802.0 LB	2283.1 LB	3614.4 LB	95.7"	1981.5 LB	1614.6 LB	2556.0 LB
	+/- 155 PSF	111.0"	2639.3 LB	2150.5 LB	3404.5 LB	112.3"	2671.2 LB	2176.5 LB	3445.7 LB	125.3"	2980.4 LB	2428.5 LB	3844.5 LB	126.7"	3013.5 LB	2455.5 LB	3887.2 LB	89.3"	2123.2 LB	1730.0 LB	2738.8 LB
	+/- 175 PSF	104.5"	2804.4 LB	2285.0 LB	3617.4 LB	105.7"	2838.3 LB	2312.7 LB	3661.2 LB	118.0"	3166.9 LB	2580.4 LB	4085.0 LB	119.3"	3202.0 LB	2609.1 LB	4130.4 LB	84.0"	2256.1 LB	1838.3 LB	2910.2 LB
	+/- 195 PSF	99.0"	2960.3 LB	2412.1 LB	3818.6 LB	100.2"	2996.1 LB	2441.3 LB	3864.8 LB	111.7"	3342.9 LB	2723.9 LB	4312.2 LB	113.0"	3380.1 LB	2754.1 LB	4360.0 LB	79.6"	2381.5 LB	1940.5 LB	3072.0 LB
90"	+/- 200 PSF	97.7"	2998.0 LB	2442.8 LB	3867.2 LB	98.9"	3034.3 LB	2472.4 LB	3914.0 LB	110.3"	3385.5 LB	2758.6 LB	4367.1 LB	111.6"	3423.1 LB	2789.2 LB	4415.6 LB	78.6"	2411.8 LB	1965.2 LB	3111.1 LB
	+/- 35 PSF	144.0"	1328.9 LB	787.5 LB	1544.7 LB	144.0"	1328.9 LB	787.5 LB	1544.7 LB	144.0"	1328.9 LB	787.5 LB	1544.7 LB	144.0"	1328.9 LB	787.5 LB	1544.7 LB	144.0"	1328.9 LB	787.5 LB	1544.7 LB
	+/- 55 PSF	144.0"	2088.3 LB	1237.5 LB	2427.4 LB	140.1"	2032.3 LB	1204.3 LB	2362.3 LB	144.0"	2088.3 LB	1237.5 LB	2427.4 LB	144.0"	2088.3 LB	1237.5 LB	2427.4 LB	122.1"	1770.0 LB	1048.9 LB	2057.5 LB
	+/- 75 PSF	128.8"	2546.6 LB	1509.1 LB	2960.2 LB	126.4"	2499.1 LB	1480.9 LB	2904.9 LB	144.0"	2847.7 LB	1687.5 LB	3310.1 LB	137.4"	2717.0 LB	1610.1 LB	3158.3 LB	104.5"	2067.0 LB	1224.9 LB	2402.6 LB
	+/- 95 PSF	114.4"	2866.1 LB	1698.4 LB	3331.5 LB	116.8"	2925.7 LB	1733.7 LB	3400.8 LB	129.3"	3238.9 LB	1919.4 LB	3764.9 LB	127.0"	3180.8 LB	1884.9 LB	3697.4 LB	92.9"	2326.3 LB	1378.5 LB	2704.1 LB
	+/- 115 PSF	110.5"	2791.1 LB	1984.8 LB	3424.8 LB	112.7"	2847.2 LB	2024.7 LB	3493.7 LB	124.8"	3152.9 LB	2242.0 LB	3868.8 LB	126.6"	3199.4 LB	2275.1 LB	3925.9 LB	89.2"	2254.1 LB	1602.9 LB	2765.9 LB
	+/- 135 PSF	101.9"	3024.1 LB	2150.4 LB	3710.7 LB	104.0"	3084.9 LB	2193.7 LB	3785.3 LB	115.2"	3416.1 LB	2429.2 LB	4191.7 LB	117.3"	3479.0 LB	2474.0 LB	4269.0 LB	82.3"	2442.3 LB	1736.7 LB	2996.8 LB
	+/- 155 PSF	95.1"	3240.3 LB	2304.2 LB	3976.1 LB	97.1"	3305.5 LB	2350.6 LB	4056.0 LB	107.5"	3660.4 LB	2602.9 LB	4491.5 LB	109.5"	3727.9 LB	2650.9 LB	4574.3 LB	76.8"	2616.9 LB	1860.9 LB	3211.1 LB
	+/- 175 PSF	89.5"	3443.1 LB	2448.4 LB	4224.8 LB	91.3"	3512.3 LB	2497.6 LB	4309.8 LB	101.1"	3889.3 LB	2765.8 LB	4772.5 LB	103.0"	3961.1 LB	2816.8 LB	4860.5 LB	72.3"	2780.6 LB	1977.3 LB	3412.0 LB
+/- 181 PSF	88.0"	3501.6 LB	2490.0 LB	4296.7 LB	89.8"	3572.0 LB	2540.1 LB	4383.0 LB	99.5"	3955.5 LB	2812.8 LB	4853.6 LB	101.3"	4028.4 LB	2864.6 LB	4943.1 LB	71.1"	2827.9 LB	2011.0 LB	3470.0 LB	
108"	+/- 35 PSF	144.0"	1739.7 LB	945.0 LB	1979.8 LB	144.0"	1739.7 LB	945.0 LB	1979.8 LB	144.0"	1739.7 LB	945.0 LB	1979.8 LB	144.0"	1739.7 LB	945.0 LB	1979.8 LB	133.2"	1608.8 LB	873.9 LB	1830.9 LB
	+/- 55 PSF	133.2"	2528.9 LB	1373.7 LB	2878.0 LB	128.1"	2432.0 LB	1321.1 LB	2767.7 LB	144.0"	2733.8 LB	1485.0 LB	3111.0 LB	139.3"	2644.1 LB	1436.3 LB	3009.0 LB	108.4"	2057.4 LB	1117.6 LB	2341.3 LB
	+/- 75 PSF	114.1"	2953.2 LB	1604.2 LB	3360.8 LB	115.5"	2990.6 LB	1624.5 LB	3403.4 LB	128.9"	3337.9 LB	1813.2 LB	3798.6 LB	125.6"	3251.5 LB	1766.2 LB	3700.2 LB	92.8"	2402.5 LB	1305.0 LB	2734.1 LB
	+/- 95 PSF	101.4"	3323.7 LB	1805.5 LB	3782.4 LB	105.0"	3441.8 LB	1869.6 LB	3916.8 LB	114.6"	3756.7 LB	2040.7 LB	4275.2 LB	116.1"	3806.4 LB	2067.7 LB	4331.8 LB	82.5"	2703.9 LB	1468.8 LB	3077.1 LB
	+/- 115 PSF	99.9"	3116.5 LB	2154.6 LB	3788.7 LB	102.1"	3184.2 LB	2201.4 LB	3871.1 LB	112.9"	3520.6 LB	2434.0 LB	4280.1 LB	115.1"	3590.9 LB	2482.6 LB	4365.5 LB	80.8"	2518.9 LB	1741.4 LB	3062.2 LB
	+/- 135 PSF	92.2"	3376.6 LB	2334.4 LB	4105.0 LB	94.2"	3450.0 LB	2385.2 LB	4194.3 LB	104.2"	3814.5 LB	2637.2 LB	4637.4 LB	106.3"	3890.6 LB	2689.8 LB	4729.9 LB	74.5"	2729.1 LB	1886.8 LB	3317.8 LB
	+/- 155 PSF	88.0"	3452.1 LB	2557.1 LB	4296.1 LB	89.5"	3513.3 LB	2602.4 LB	4372.2 LB	99.4"	3899.3 LB	2888.3 LB	4852.5 LB	101.0"	3962.6 LB	2935.3 LB	4931.3 LB	71.0"	2784.8 LB	2062.8 LB	3465.6 LB
	+/- 162 PSF	87.8"	3375.9 LB	2667.4 LB	4302.5 LB	89.0"	3422.9 LB	2704.5 LB	4362.4 LB	99.2"	3812.6 LB	3012.4 LB	4859.0 LB	100.4"	3861.3 LB	3050.9 LB	4921.1 LB	70.7"	2718.3 LB	2147.8 LB	3464.4 LB
	+/- 35 PSF	144.0"	2170.5 LB	1102.5 LB	2434.5 LB	138.3"	2085.3 LB	1059.2 LB	2338.9 LB	144.0"	2170.5 LB	1102.5 LB	2434.5 LB	144.0"	2170.5 LB	1102.5 LB	2434.5 LB	123.0"	1854.5 LB	942.0 LB	2080.1 LB
126"	+/- 55 PSF	120.4"	2852.8 LB	1449.0 LB	3199.7 LB	119.0"	2818.6 LB	1431.7 LB	3161.4 LB	136.1"	3224.9 LB	1638.0 LB	3617.0 LB	129.4"	3064.4 LB	1556.5 LB	3437.1 LB	98.1"	2324.8 LB	1180.8 LB	2607.5 LB
	+/- 75 PSF	103.1"	3331.3 LB	1692.1 LB	3736.4 LB	107.2"	3462.0 LB	1758.5 LB	3883.0 LB	116.6"	3765.8 LB	1912.8 LB	4223.8 LB	116.7"	3768.3 LB	1914.1 LB	4226.6 LB	84.0"	2714.8 LB	1378.9 LB	3044.9 LB
	+/- 95 PSF	101.1"	3102.4 LB	2101.1 LB	3746.9 LB	103.4"	3173.6 LB	2149.3 LB	3832.9 LB	114.2"	3504.9 LB	2373.7 LB	4233.0 LB	116.6"	3578.6 LB	2423.6 LB	4322.1 LB	81.8"	2508.9 LB	1699.2 LB	3030.2 LB
	+/- 115 PSF	91.9"	3413.4 LB	2311.7 LB	4122.5 LB	94.0"	3491.7 LB	2364.7 LB	4217.1 LB	103.8"	3856.2 LB	2611.6 LB	4657.4 LB	106.0"	3937.4 LB	2666.6 LB	4755.4 LB	74.3"	2760.4 LB	1869.5 LB	3333.9 LB
	+/- 135 PSF	88.1"	3413.3 LB	2600.6 LB	4291.1 LB	89.5"	3468.1 LB	2642.3 LB	4360.0 LB	99.5"	3855.1 LB	2937.2 LB	4846.5 LB	100.9"	3911.9 LB	2980.5 LB	4917.9 LB	71.0"	2751.2 LB	2096.2 LB	3458.8 LB
	+/- 144 PSF	86.7"	3395.9 LB	2731.1 LB	4357.9 LB	87.8"	3439.7 LB	2766.3 LB	4414.0 LB	97.9"	3835.0 LB	3084.3 LB	4921.4 LB	99.1"	3880.3 LB	3120.7 LB	4979.5 LB	69.8"	2733.0 LB	2198.0 LB	3507.2 LB
	+/- 35 PSF	142.3"	2400.7 LB	1244.8 LB	2704.3 LB	133.2"	2248.3 LB	1165.8 LB	2532.6 LB	144.0"	2430.0 LB	1260.0 LB	2737.2 LB	144.0"	2430.0 LB	1260.0 LB	2737.2 LB	115.9"	1955.4 LB	1013.9 LB	2202.6 LB
	+/- 55 PSF	113.5"	3009.5 LB	1560.5 LB	3390.0 LB	114.6"	3039.0 LB	1575.8 LB	3423.2 LB	128.3"	3401.9 LB	1763.9 LB	3832.0 LB	124.6"	3304.0 LB	1713.2 LB	3721.7 LB	92.4"	2451.2 LB	1271.0 LB	2761.1 LB
	+/- 75 PSF	97.2"	3514.3 LB	1822.2 LB	3958.7 LB	100.9"	3648.														

RETRACTABLE SCREEN

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

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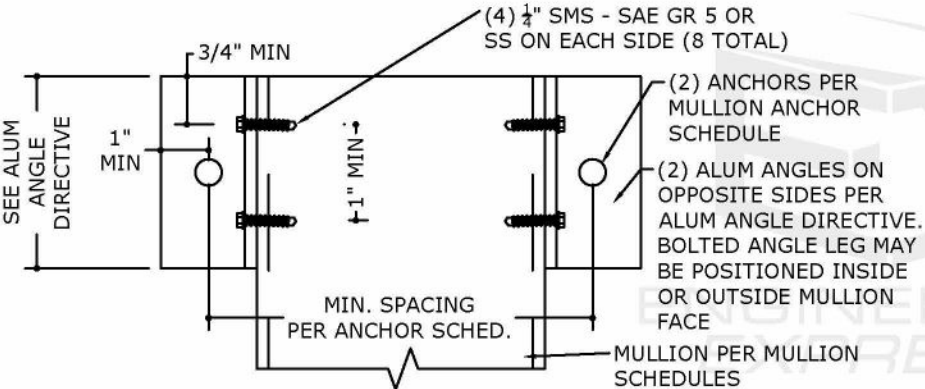
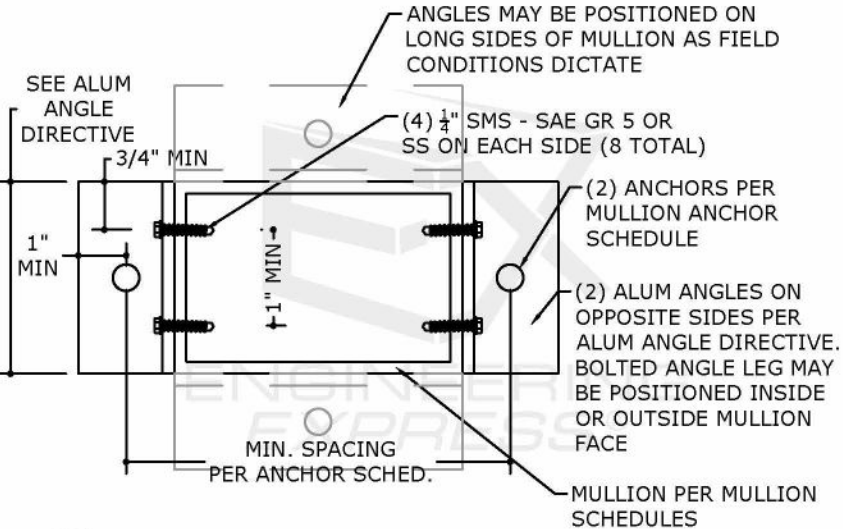


MULLION SCHEDULE: INTERIOR MULLIONS											
		4"x6"x0.25" ALUM TUBE		6"x4"x0.25" ALUM TUBE		4"x8"x0.25" ALUM TUBE		8"x4"x0.25" ALUM TUBE		4"x4"x0.25" ALUM TUBE	
SLAT SPAN	DESIGN PRESSURE	MAX MULLION LENGTH	END REACTION Rt	MAX MULLION LENGTH	END REACTION Rt	MAX MULLION LENGTH	END REACTION Rt	MAX MULLION LENGTH	END REACTION Rt	MAX MULLION LENGTH	END REACTION Rt
72"	+/- 35 PSF	144.0"	1260.0 LB	144.0"	1260.0 LB	144.0"	1260.0 LB	144.0"	1260.0 LB	144.0"	1260.0 LB
	+/- 55 PSF	144.0"	1980.0 LB	142.6"	1961.4 LB	144.0"	1980.0 LB	144.0"	1980.0 LB	127.5"	1753.8 LB
	+/- 75 PSF	144.0"	2700.0 LB	128.6"	2411.9 LB	144.0"	2700.0 LB	139.9"	2622.3 LB	115.0"	2156.7 LB
	+/- 95 PSF	144.0"	3420.0 LB	118.9"	2823.6 LB	144.0"	3420.0 LB	129.3"	3069.9 LB	106.3"	2524.8 LB
	+/- 115 PSF	138.2"	3972.9 LB	111.6"	3207.2 LB	144.0"	4140.0 LB	121.3"	3486.9 LB	99.7"	2867.7 LB
	+/- 135 PSF	131.0"	4421.1 LB	105.7"	3569.0 LB	144.0"	4860.0 LB	115.0"	3880.3 LB	94.6"	3191.3 LB
	+/- 155 PSF	125.1"	4847.7 LB	101.0"	3913.3 LB	140.8"	5457.5 LB	109.8"	4254.6 LB	90.3"	3499.1 LB
	+/- 175 PSF	118.1"	5165.7 LB	97.0"	4243.1 LB	132.5"	5798.9 LB	105.4"	4613.2 LB	86.7"	3794.0 LB
90"	+/- 195 PSF	111.9"	5452.9 LB	93.5"	4560.5 LB	125.6"	6121.3 LB	101.7"	4958.3 LB	83.6"	4077.8 LB
	+/- 200 PSF	110.4"	5522.3 LB	92.8"	4638.2 LB	124.0"	6199.3 LB	100.9"	5042.7 LB	82.9"	4147.2 LB
	+/- 35 PSF	144.0"	1575.0 LB	144.0"	1575.0 LB	144.0"	1575.0 LB	144.0"	1575.0 LB	137.7"	1505.7 LB
	+/- 55 PSF	144.0"	2475.0 LB	132.4"	2276.0 LB	144.0"	2475.0 LB	144.0"	2474.5 LB	118.4"	2035.1 LB
	+/- 75 PSF	144.0"	3375.0 LB	119.4"	2798.8 LB	144.0"	3375.0 LB	129.8"	3042.9 LB	106.8"	2502.6 LB
	+/- 95 PSF	136.7"	4058.8 LB	110.4"	3276.5 LB	144.0"	4275.0 LB	120.0"	3562.3 LB	98.7"	2929.7 LB
	+/- 115 PSF	128.3"	4610.2 LB	103.6"	3721.6 LB	144.0"	5175.0 LB	112.6"	4046.2 LB	92.6"	3327.7 LB
	+/- 135 PSF	120.2"	5072.6 LB	98.2"	4141.5 LB	135.0"	5694.4 LB	106.7"	4502.7 LB	87.8"	3703.1 LB
108"	+/- 155 PSF	112.2"	5435.4 LB	93.8"	4541.0 LB	126.0"	6101.6 LB	101.9"	4937.1 LB	83.8"	4060.4 LB
	+/- 175 PSF	105.6"	5775.4 LB	90.0"	4923.7 LB	118.6"	6483.4 LB	97.9"	5353.1 LB	79.3"	4337.8 LB
	+/- 181 PSF	103.8"	5873.6 LB	89.0"	5035.6 LB	116.6"	6593.6 LB	96.8"	5474.8 LB	78.0"	4411.5 LB
	+/- 35 PSF	144.0"	1890.0 LB	144.0"	1890.0 LB	144.0"	1890.0 LB	144.0"	1890.0 LB	129.5"	1700.3 LB
	+/- 55 PSF	144.0"	2970.0 LB	124.6"	2570.2 LB	144.0"	2970.0 LB	135.5"	2794.3 LB	111.4"	2298.1 LB
	+/- 75 PSF	139.2"	3915.1 LB	112.4"	3160.5 LB	144.0"	4050.0 LB	122.2"	3436.2 LB	100.5"	2826.0 LB
	+/- 95 PSF	128.7"	4583.4 LB	103.9"	3700.0 LB	144.0"	5130.0 LB	112.9"	4022.7 LB	92.9"	3308.4 LB
	+/- 115 PSF	118.9"	5128.6 LB	97.5"	4202.6 LB	133.5"	5757.3 LB	106.0"	4569.1 LB	87.1"	3757.8 LB
126"	+/- 135 PSF	109.8"	5556.7 LB	92.4"	4676.7 LB	123.2"	6237.9 LB	100.4"	5084.6 LB	82.4"	4173.6 LB
	+/- 155 PSF	102.4"	5954.1 LB	88.2"	5127.9 LB	115.0"	6684.0 LB	95.9"	5575.1 LB	76.9"	4472.0 LB
	+/- 162 PSF	100.2"	6087.1 LB	86.9"	5281.2 LB	112.5"	6833.3 LB	94.5"	5741.8 LB	75.3"	4571.9 LB
	+/- 35 PSF	144.0"	2205.0 LB	137.6"	2107.3 LB	144.0"	2205.0 LB	144.0"	2205.0 LB	123.1"	1884.3 LB
	+/- 55 PSF	144.0"	3465.0 LB	118.4"	2848.4 LB	144.0"	3465.0 LB	128.7"	3096.8 LB	105.8"	2546.9 LB
	+/- 75 PSF	132.2"	4338.9 LB	106.7"	3502.6 LB	144.0"	4725.0 LB	116.1"	3808.1 LB	95.4"	3131.9 LB
	+/- 95 PSF	121.1"	5034.9 LB	98.7"	4100.5 LB	136.0"	5652.1 LB	107.3"	4458.1 LB	88.2"	3666.5 LB
	+/- 115 PSF	110.1"	5539.6 LB	92.6"	4657.5 LB	123.6"	6218.6 LB	100.6"	5063.7 LB	82.7"	4160.7 LB
144"	+/- 135 PSF	101.6"	6002.0 LB	87.8"	5182.9 LB	114.1"	6737.7 LB	95.4"	5634.9 LB	76.3"	4508.0 LB
	+/- 144 PSF	98.4"	6198.8 LB	85.9"	5410.8 LB	110.5"	6958.7 LB	93.4"	5882.7 LB	73.9"	4655.8 LB
	+/- 35 PSF	144.0"	2520.0 LB	131.6"	2303.5 LB	144.0"	2520.0 LB	143.1"	2504.4 LB	117.7"	2059.7 LB
	+/- 55 PSF	140.3"	3856.9 LB	113.2"	3113.5 LB	144.0"	3960.0 LB	123.1"	3385.1 LB	101.2"	2784.0 LB
	+/- 75 PSF	126.5"	4742.9 LB	102.1"	3828.7 LB	143.2"	5368.7 LB	111.0"	4162.6 LB	91.3"	3423.5 LB
	+/- 95 PSF	113.3"	5382.5 LB	94.4"	4482.3 LB	127.2"	6042.3 LB	102.6"	4873.2 LB	84.4"	4007.8 LB
	+/- 115 PSF	103.0"	5922.0 LB	88.5"	5091.1 LB	115.6"	6648.0 LB	96.3"	5535.1 LB	77.4"	4447.9 LB
	+/- 125 PSF	98.8"	6174.1 LB	86.1"	5382.1 LB	110.9"	6931.0 LB	93.6"	5851.5 LB	74.2"	4637.3 LB
162"	+/- 35 PSF	144.0"	2835.0 LB	126.6"	2491.7 LB	144.0"	2835.0 LB	137.6"	2709.0 LB	113.2"	2228.0 LB
	+/- 55 PSF	134.9"	4172.0 LB	108.9"	3367.9 LB	144.0"	4455.0 LB	118.4"	3661.6 LB	97.3"	3011.4 LB
	+/- 75 PSF	120.2"	5072.6 LB	98.2"	4141.5 LB	135.0"	5694.4 LB	106.7"	4502.7 LB	87.8"	3703.1 LB
	+/- 95 PSF	106.8"	5709.0 LB	90.7"	4848.4 LB	119.9"	6408.8 LB	98.6"	5271.2 LB	80.2"	4287.9 LB
	+/- 107 PSF	100.7"	6058.8 LB	87.2"	5248.5 LB	113.0"	6801.6 LB	94.8"	5706.3 LB	75.6"	4550.7 LB
	+/- 35 PSF	144.0"	3150.0 LB	122.2"	2673.0 LB	144.0"	3150.0 LB	132.9"	2906.1 LB	109.3"	2390.1 LB
	+/- 55 PSF	130.2"	4475.6 LB	105.1"	3613.0 LB	144.0"	4950.0 LB	114.3"	3928.0 LB	94.0"	3230.5 LB
	+/- 75 PSF	114.1"	5347.0 LB	94.8"	4442.8 LB	128.1"	6002.4 LB	103.0"	4830.3 LB	84.7"	3972.6 LB
180"	+/- 88 PSF	105.3"	5791.9 LB	89.9"	4942.5 LB	118.2"	6501.9 LB	97.7"	5373.5 LB	79.1"	4350.2 LB
	+/- 35 PSF	144.0"	3360.0 LB	119.6"	2790.5 LB	144.0"	3360.0 LB	130.0"	3033.9 LB	106.9"	2495.2 LB
	+/- 55 PSF	127.4"	4672.3 LB	102.9"	3771.8 LB	144.0"	5280.0 LB	111.8"	4100.7 LB	92.0"	3372.6 LB
	+/- 76 PSF	109.7"	5559.0 LB	92.4"	4679.3 LB	123.2"	6240.5 LB	100.4"	5087.4 LB	82.4"	4175.3 LB
	+/- 35 PSF	143.8"	3669.6 LB	116.1"	2962.3 LB	144.0"	3675.0 LB	126.2"	3220.7 LB	103.8"	2648.8 LB
	+/- 55 PSF	123.3"	4945.7 LB	99.8"	4004.0 LB	138.4"	5552.0 LB	108.5"	4353.2 LB	89.3"	3580.2 LB
	+/- 70 PSF	109.3"	5579.6 LB	92.1"	4702.4 LB	122.7"	6263.5 LB	100.2"	5112.5 LB	82.1"	4190.7 LB
	+/- 35 PSF	139.9"	3876.4 LB	112.9"	3129.3 LB	144.0"	3990.0 LB	122.8"	3402.2 LB	101.0"	2798.0 LB
228"	+/- 55 PSF	118.4"	5153.3 LB	97.1"	4229.6 LB	132.9"	5785.1 LB	105.6"	4598.5 LB	86.9"	3782.0 LB
	+/- 65 PSF	108.9"	5602.3 LB	91.9"	4727.9 LB	122.2"	6289.0 LB	99.9"	5140.3 LB	81.8"	4207.8 LB
	+/- 35 PSF	136.4"	4077.8 LB	110.1"	3291.9 LB	144.0"	4305.0 LB	119.7"	3578.9 LB	98.5"	2943.4 LB
	+/- 55 PSF	113.9"	5352.9 LB	94.7"	4449.4 LB	127.9"	6009.1 LB	103.0"	4837.5 LB	84.7"	3978.5 LB
	+/- 60 PSF	109.1"	5590.9 LB	92.0"	4715.2 LB	122.5"	6276.3 LB	100.0"	5126.4 LB	81.9"	4199.2 LB
	+/- 35 PSF	133.2"	4274.4 LB	107.5"	3450.5 LB	144.0"	4620.0 LB	116.9"	3751.5 LB	96.2"	3085.3 LB
	+/- 55 PSF	110.0"	5545.3 LB	92.5"	4663.9 LB	123.5"	6225.1 LB	100.6"	5070.6 LB	82.6"	4165.0 LB
	+/- 35 PSF	130.3"	4466.5 LB	105.2"	3605.7 LB	144.0"	4935.0 LB	114.4"	3920.1 LB	94.1"	3224.0 LB
282"	+/- 50 PSF	111.6"	5464.5 LB	93.4"	4573.5 LB	125.3"	6134.4 LB	101.6"	4972.4 LB	83.5"	4089.4 LB
	+/- 35 PSF	127.7"	4654.6 LB	103.1"	3757.5 LB	144.0"	5250.0 LB	112.1"	4085.2 LB	92.2"	3359.8 LB
	+/- 45 PSF	114.1"	5347.0 LB	94.8"	4442.8 LB	128.1"	6002.4 LB	103.0"	4830.3 LB	84.7"	3972.6 LB
	+/- 35 PSF	133.2"	4274.4 LB	107.5"	3450.5 LB	144.0"	4620.0 LB	116.9"	3751.5 LB	96.2"	3085.3 LB
	+/- 55 PSF	110.0"	5545.3 LB	92.5"	4663.9 LB	123.5"	6225.1 LB	100.6"	5070.6 LB	82.6"	4165.0 LB
	+/- 35 PSF	130.3"	4466.5 LB	105.2"	3605.7 LB	144.0"	4935.0 LB	114.4"	3920.1 LB	94.1"	3224.0 LB
	+/- 50 PSF	111.6"	5464.5 LB	93.4"	4573.5 LB	125.3"	6134.4 LB	101.6"	4972.4 LB	83.5"	4089.4 LB
	+/- 35 PSF	127.7"	4654.6 LB	103.1"	3757.5 LB	144.0"	5250.0 LB	112.1"	4085.2 LB	92.2"	3359.8 LB
300"	+/- 45 PSF	114.1"	5347.0 LB	94.8"	4442.8 LB	128.1"	6002.4 LB	103.0"	4830.3 LB	84.7"	3972.6 LB
	+/- 35 PSF	133.2"	4274.4 LB	107.5"	3450.5 LB	144.0"	4620.0 LB	116.9"	3751.5 LB	96.2"	3085.3 LB
	+/- 55 PSF	110.0"	5545.3 LB	92.5"	4663.9 LB	123.5"	6225.1 LB	100.6"	5070.6 LB	82.6"	4165.0 LB
	+/- 35 PSF	130.3"	4466.5 LB	105.2"	3605.7 LB	144.0"	4935.0 LB	114.4"	3920.1 LB	94.1"	3224.0 LB
	+/- 50 PSF	111.6"	5464.5 LB	93.4"	4573.5 LB	125.3"	6134.4 LB	101.6"	4972.4 LB	83.5"	4089.4 LB
	+/- 35 PSF	127.7"	4654.6 LB	103.1"	3757.5 LB	144.0"	5250.0 LB	112.1"	4085.2 LB	92.2"	3359.8 LB
	+/- 45 PSF	114.1"	5347.0 LB	94.8"	4442.8 LB	128.1"	6002.4 LB	103.0"	4830.3 LB	84.7"	3972.6 LB
	+/- 35 PSF	133.2"	4274.4 LB	107.5"	3450.5 LB	144.0"	4620.0 LB	116.9"	3751.5 LB	96.2"	3085.3 LB

RETRACTABLE SCREEN

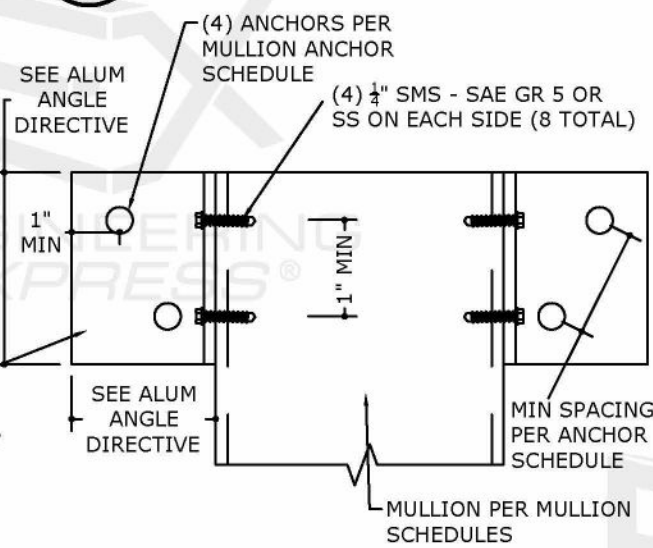
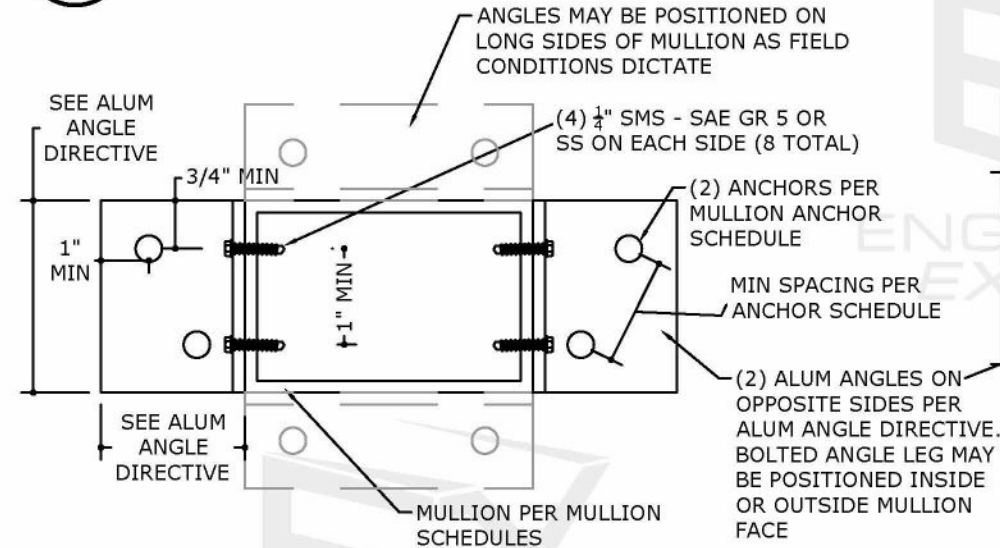
FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

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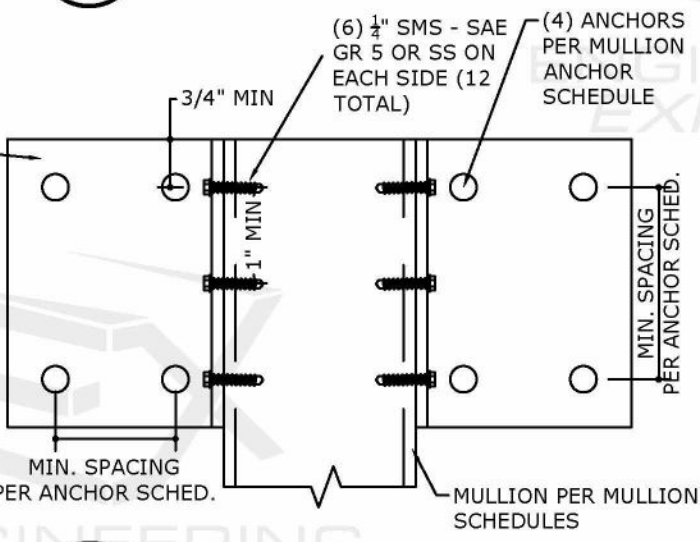
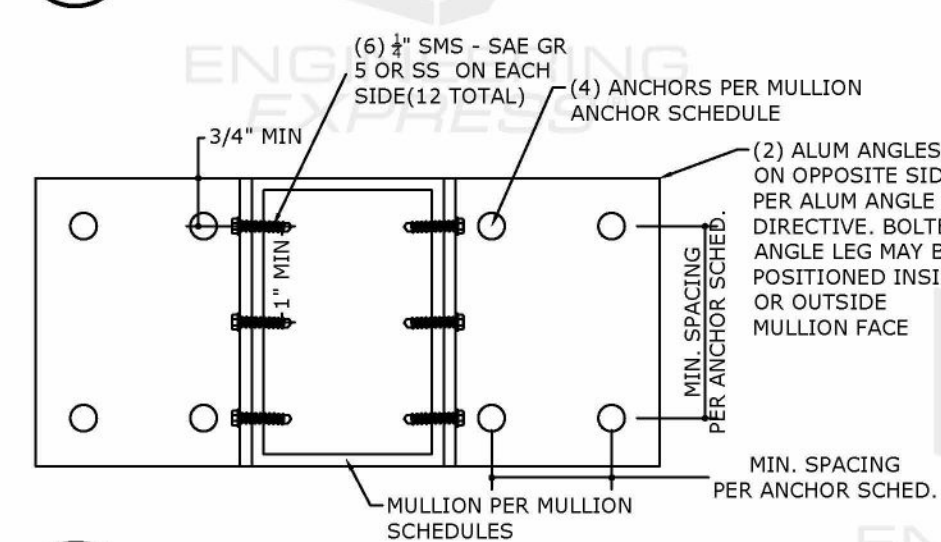
1A TRAPPED MOUNT OPTION 1
12 N.T.S.

1B FACE MOUNT OPTION 1
12 N.T.S.



2A TRAPPED MOUNT OPTION 2
12 N.T.S.

2B FACE MOUNT OPTION 2
12 N.T.S.



3A TRAPPED MOUNT OPTION 3
12 N.T.S.

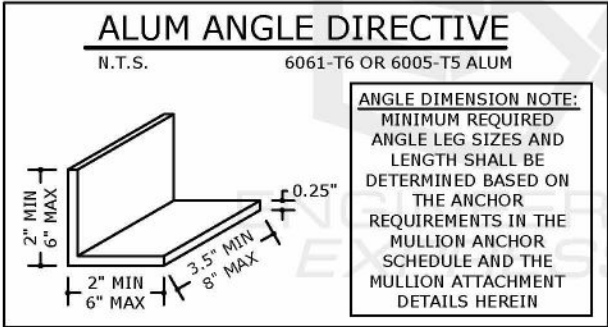
3B FACE MOUNT OPTION 3
12 N.T.S.

MULLION ANCHOR SCHEDULE

ANCHOR TYPE	MINIMUM SPACING	MINIMUM EDGE DISTANCE	CONNECTION DETAIL	CONNECTION CAPACITY
1/2" DEWALT SCREW BOLTS (OR EQUIV.) W/ 2-1/2" EMBED TO 3KSI MIN. CONCRETE	6"	4.5"	1A/12, 1B/12	Tcap 3660 LB Vcap 2249 LB
	4.0"	4.5"	2A/12, 2B/12	Tcap 6442 LB Vcap 4106 LB
	4.0"	4.5"	3A/12, 3B/12	Tcap 12883 LB Vcap 8213 LB
3/8" DEWALT SCREW BOLTS (OR EQUIV.) W/ 2" EMBED TO 3KSI MIN. CONCRETE	6.0"	2.5"	1A/12, 1B/12	Tcap 1905 LB Vcap 1007 LB
	3.0"	2.5"	2A/12, 2B/12	Tcap 3801 LB Vcap 1700 LB
	3.0"	2.5"	3A/12, 3B/12	Tcap 7622 LB Vcap 3399 LB
3/8" DEWALT SCREW BOLTS (OR EQUIV.) W/ 3-1/4" EMBED TO GROUT-FILLED CONCRETE BLOCK*	6.0"	4.5"	1A/12, 1B/12	Tcap 1953 LB Vcap 1233 LB
	3.0"	4.5"	2A/12, 2B/12	Tcap 3906 LB Vcap 2467 LB
	3.0"	4.5"	3A/12, 3B/12	Tcap 7812 LB Vcap 4934 LB
5/16" LAG SCREW W/ 2" MIN. THREAD PENETRATION TO G=0.42 MIN WOOD	2.0"	1.25"	1A/12, 1B/12	Tcap 1310 LB Vcap 302 LB
	2.0"	1.25"	2A/12, 2B/12	Tcap 2620 LB Vcap 604 LB
	2.0"	1.25"	3A/12, 3B/12	Tcap 3930 LB Vcap 906 LB
5/16" DEWALT ULTRACON (OR EQUIV.) W/ 2" EMBED TO 3.5KSI MIN CONCRETE	5.0"	3.125"	1A/12, 1B/12	Tcap 1670 LB Vcap 1700 LB
	3.75"	3.125"	2A/12, 2B/12	Tcap 1820 LB Vcap 2840 LB
	3.75"	3.125"	3A/12, 3B/12	Tcap 3640 LB Vcap 5680 LB
5/16" DEWALT ULTRACON (OR EQUIV.) W/ 2-1/4" EMBED TO GROUT-FILLED CONCRETE BLOCK	5.0"	2.5"	1A/12, 1B/12	Tcap 580 LB Vcap 750 LB
	5.0"	2.5"	2A/12, 2B/12	Tcap 1160 LB Vcap 1500 LB
	5.0"	2.5"	3A/12, 3B/12	Tcap 2320 LB Vcap 3000 LB

- MULLION ANCHOR SCHEDULE NOTES:**
- FOR "TRAPPED MOUNT" CONDITIONS WITH END MULLIONS, 'Rsum' VALUES IN MULLION SCHEDULE SHALL NOT EXCEED MAX 'Vcap' VALUES NOTED IN THIS SCHEDULE.
 - FOR "FACE MOUNT" CONDITIONS WITH END MULLIONS, **Rv/Vcap + Rt/Tcap SHALL BE LESS THAN OR EQUAL TO 1.0**, WHERE 'Rv' AND 'Rt' ARE PER MULLION SCHEDULES, AND 'Tcap' AND 'Vcap' ARE PER THIS SCHEDULE.
 - FOR "TRAPPED MOUNT" CONDITIONS WITH INTERMEDIATE MULLIONS, 'Rt' VALUES IN MULLION SCHEDULES SHALL NOT EXCEED 'Vcap' VALUES NOTED IN THIS SCHEDULE.
 - FOR "FACE MOUNT" CONDITIONS WITH INTERMEDIATE MULLIONS, 'Rt' VALUES IN MULLION SCHEDULES SHALL NOT EXCEED 'Tcap' VALUES NOTED IN THIS SCHEDULE.
 - * ANCHORS SHALL PENETRATE THROUGH FACE SHELL INTO GROUTED CELL.
 - ALTERNATE ANCHORS AND OR END CONNECTION CONFIGURATIONS MAY BE DESIGNED/CERTIFIED ON A SITE SPECIFIC BASIS BASED ON THE END LOADINGS LISTED IN THE MULLION SCHEDULES.
 - 1/2" UNC THRU BOLTS MAY BE USED IN LIEU OF 1/4" SMS PER THE FOLLOWING DIRECTIVE
7.1. (4) SMS PER SIDE = (2) 1/4" UNC THRU BOLTS / (6) SMS PER SIDE = (3) 1/4" UNC THRU BOLTS

ALTERNATE ANCHOR NOTE:
FOR ALL 1/4" AND 5/16" DIAMETER ANCHOR OPTIONS LISTED IN THE ANCHOR SCHEDULES, AN EQUIVALENT DIAMETER HILLMAN/ALL-POINTS SOLID-SET/POWER-PRO ANCHOR (CARBON OR STAINLESS STEEL) MAY BE USED IN LIEU OF THE OPTION(S) LISTED SO LONG AS THE LISTED MINIMUM EMBEDMENT, EDGE DISTANCE AND SPACING ARE ACHIEVED.



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FENETEX HURRICANE SCREENS
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA)

DATE	DRWN	CHKD	DATE	DRWN	CHKD
2-8-2021	RWN	RWN	12-26-2023	RWN	RWN
04/16/26	EPR	OCB			
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23-62405

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12 OF 13

REMOVABLE SCREEN

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

FL

FRANK L. BENNARDO

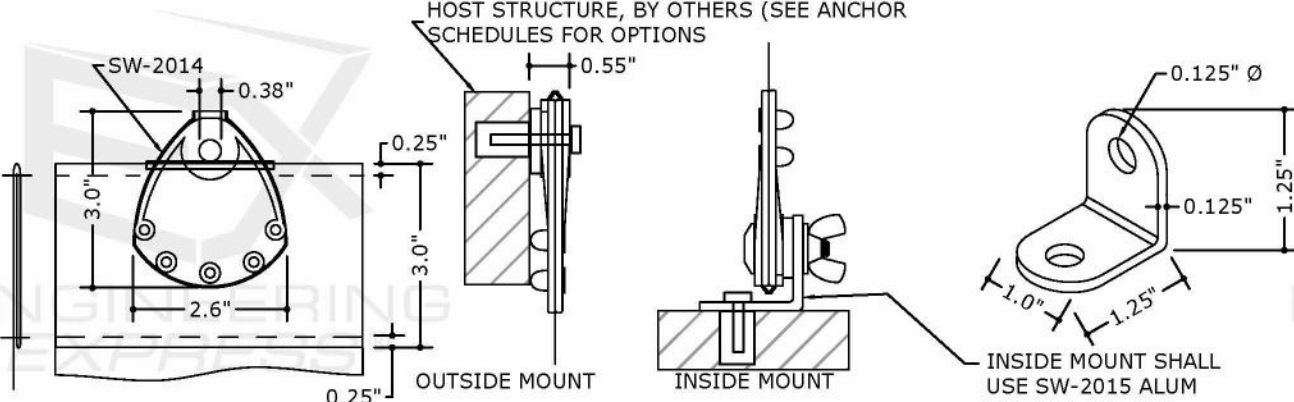
LICENSE

No 0046549

STATE OF FLORIDA

PROFESSIONAL ENGINEER

04/16/2026



REMOVABLE SCREEN DETAILS (N.T.S.):

DOUBLE FOLD EDGE 3" HEM WITH FABRIC #1 WITH STITCHING AT 5 STITCHES PER INCH AS INDICATED. NO REQUIRED HEM WITH FABRICS #2 OR #3. SCREW CLIP IS SECURED TO SCREEN WITH (5) #8X1/2" SCREWS. FIRST CLIP NOT MORE THAN 3" FROM PANEL EDGE.

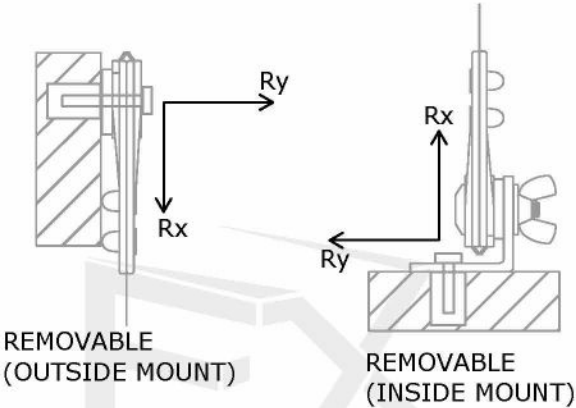
INSIDE MOUNT SHALL USE SW-2015 ALUM 6063-T6 MIN ANG BRACKET (AS SHOWN) OR CONTINUOUS ANGLE

REMOVABLE SCREEN DESIGN SCHEDULE (INSIDE & OUTSIDE MOUNT) UP TO +/- 76 PSF

				MAXIMUM SPACING (O.C.)											
				WOOD				CONCRETE				HOLLOW BLOCK			
				1/4" ELCO/DEWALT PANELMATE (FEMALE, MALE, or PLUS) W/ 1- 7/8" EMBED AND 3/4" MIN EDGE DISTANCE (G=0.54 MIN)	1/4" ITW TAPCON STORM GUARD W/ 1-3/4" EMBED AND 1-1/4" MIN EDGE DISTANCE (G=0.42 MIN)	1/4-20 PANELMATE INSERT WITH 1-5/8" EMBED AND 3/4" MIN EDGE DISTANCE (G=0.42 MIN)	1/4" WOOD OR LAG SCREW WITH 1-3/8" MIN THREAD PEN. AND 3/4" MIN EDGE DISTANCE (G=0.42 MIN)	1/4" ELCO/DEWALT PANELMATE (FEMALE, MALE, or PLUS) W/ 2" EMBED AND 2-1/2" MIN EDGE DISTANCE (3350 psi MIN CONC)	5/16" RED HEAD DYNABOLT SLEEVE ANCHOR & 1/4- 20 BOLT W/ 1- 1/4" EMBED AND 1-7/8" MIN EDGE DISTANCE (3000 psi MIN CONC)	1/4-20 DEWALT CALK-IN ANCHOR W/ 7/8" EMBED AND 3-1/2" MIN EDGE DISTANCE (3000 psi MIN CONCRETE)	1/4" ALL-POINTS SOLID-SET		1/4" ELCO PANELMATE (FEMALE, MALE, or PLUS) W/ 1-1/4" EMBED AND 2" MIN EDGE DISTANCE (2000 psi MIN CMU)	1/4-20 DEWALT CALK-IN W/ 7/8" EMBED AND 2- 1/2" MIN EDGE DISTANCE (1500 psi MIN CMU w/GROUT FILL)	1/4 DEWALT ZAMAC NAILIN W/ 1-1/4" EMBED AND 3" MIN EDGE DISTANCE (1500 psi MIN CMU)
TO 3000 PSI MIN. CONCRETE; 0.875" MIN. EMBEDMENT; 3" MIN. EDGE DISTANCE	TO HOLLOW BLOCK: 0.875" MIN. EMBEDMENT; 3" MIN. EDGE DISTANCE														
SPAN	DESIGN PRESSURE	R _x	R _y												
60"	+/- 76 PSF	192 LB/FT	190 LB/FT	12.0"	6.3"	7.8"	6.4"	12.0"	12.0"	10.7"	12.0"	9.9"	6.7"	6.5"	6.2"
72"	+/- 76 PSF	231 LB/FT	228 LB/FT	10.5"	5.2"	6.5"	5.3"	12.0"	12.0"	9.0"	12.0"	8.3"	5.6"	5.4"	5.2"
84"	+/- 76 PSF	269 LB/FT	266 LB/FT	9.0"	4.5"	5.5"	4.6"	10.7"	11.5"	7.7"	12.0"	7.1"	4.8"	4.6"	4.4"
96"	+/- 76 PSF	308 LB/FT	304 LB/FT	7.8"	3.9"	4.9"	4.0"	9.4"	10.1"	6.7"	10.9"	6.2"	4.2"	4.0"	3.9"
108"	+/- 76 PSF	346 LB/FT	342 LB/FT	7.0"	3.5"	4.3"	3.5"	8.3"	9.0"	6.0"	9.7"	5.5"	3.7"	3.6"	3.4"
120"	+/- 76 PSF	385 LB/FT	380 LB/FT	6.3"	3.1"	3.9"	3.2"	7.5"	8.1"	5.4"	8.7"	5.0"	3.4"	3.2"	3.1"

REMOVABLE SCREEN DESIGN SCHEDULE (INSIDE & OUTSIDE MOUNT) UP TO +/- 45 PSF

				MAXIMUM SPACING (O.C.)											
				WOOD				CONCRETE				HOLLOW BLOCK			
				1/4" ELCO/DEWALT PANELMATE (FEMALE, MALE, or PLUS) W/ 1- 7/8" EMBED AND 3/4" MIN EDGE DISTANCE (G=0.54 MIN)	1/4" ITW TAPCON STORM GUARD W/ 1-3/4" EMBED AND 1-1/4" MIN EDGE DISTANCE (G=0.42 MIN)	1/4-20 PANELMATE INSERT WITH 1-5/8" EMBED AND 3/4" MIN EDGE DISTANCE (G=0.42 MIN)	1/4" WOOD OR LAG SCREW WITH 1-3/8" MIN THREAD PEN. AND 3/4" MIN EDGE DISTANCE (G=0.42 MIN)	1/4" ELCO/DEWALT PANELMATE (FEMALE, MALE, or PLUS) W/ 2" EMBED AND 2-1/2" MIN EDGE DISTANCE (3350 psi MIN CONC)	5/16" RED HEAD DYNABOLT SLEEVE ANCHOR & 1/4- 20 BOLT W/ 1- 1/4" EMBED AND 1-7/8" MIN EDGE DISTANCE (3000 psi MIN CONC)	1/4-20 DEWALT CALK-IN ANCHOR W/ 7/8" EMBED AND 3-1/2" MIN EDGE DISTANCE (3000 psi MIN CONCRETE)	1/4" ALL-POINTS SOLID-SET		1/4" ELCO PANELMATE (FEMALE, MALE, or PLUS) W/ 1-1/4" EMBED AND 2" MIN EDGE DISTANCE (2000 psi MIN CMU)	1/4-20 DEWALT CALK-IN W/ 7/8" EMBED AND 2- 1/2" MIN EDGE DISTANCE (1500 psi MIN CMU w/GROUT FILL)	1/4 DEWALT ZAMAC NAILIN W/ 1-1/4" EMBED AND 3" MIN EDGE DISTANCE (1500 psi MIN CMU)
SPAN	DESIGN PRESSURE	R _x	R _y						TO 3000 PSI MIN. CONCRETE; 0.875" MIN. EMBEDMENT; 3" MIN. EDGE DISTANCE	TO HOLLOW BLOCK; 0.875" MIN. EMBEDMENT; 3" MIN. EDGE DISTANCE					
60"	+/- 45 PSF	100 LB/FT	113 LB/FT	12.0"	11.5"	12.0"	11.7"	12.0"	12.0"	12.0"	12.0"	12.0"	11.5"	11.2"	
72"	+/- 45 PSF	137 LB/FT	135 LB/FT	12.0"	8.8"	10.9"	9.0"	12.0"	12.0"	12.0"	12.0"	12.0"	9.5"	8.7"	
84"	+/- 45 PSF	159 LB/FT	158 LB/FT	12.0"	7.5"	9.4"	7.7"	12.0"	12.0"	12.0"	12.0"	12.0"	8.1"	7.5"	
96"	+/- 45 PSF	182 LB/FT	180 LB/FT	12.0"	6.6"	8.2"	6.7"	12.0"	12.0"	11.3"	12.0"	10.5"	7.1"	6.5"	
108"	+/- 45 PSF	205 LB/FT	203 LB/FT	11.8"	5.9"	7.3"	6.0"	12.0"	12.0"	10.1"	12.0"	9.3"	6.3"	5.8"	
120"	+/- 45 PSF	228 LB/FT	225 LB/FT	10.6"	5.3"	6.6"	5.4"	12.0"	12.0"	9.1"	12.0"	8.4"	5.7"	5.2"	



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REMARKS

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