

4/15/2026 3:39 PM ERICREITPE z:\shared\projects\23-\23-62405 2023 product fbc update f18637\work\drawings & cad\23-62405e f18637.1 - dwg.dwg

RETRACTABLE SCREEN

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

FL



FL 8637.1

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FENETEX CORPORATION

259 ELLIS RD
JACKSONVILLE, FL 32254
(904) 437-5168

FENETEX HURRICANE SCREENS
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
REV/SION	EPR	OCB	04/16/26

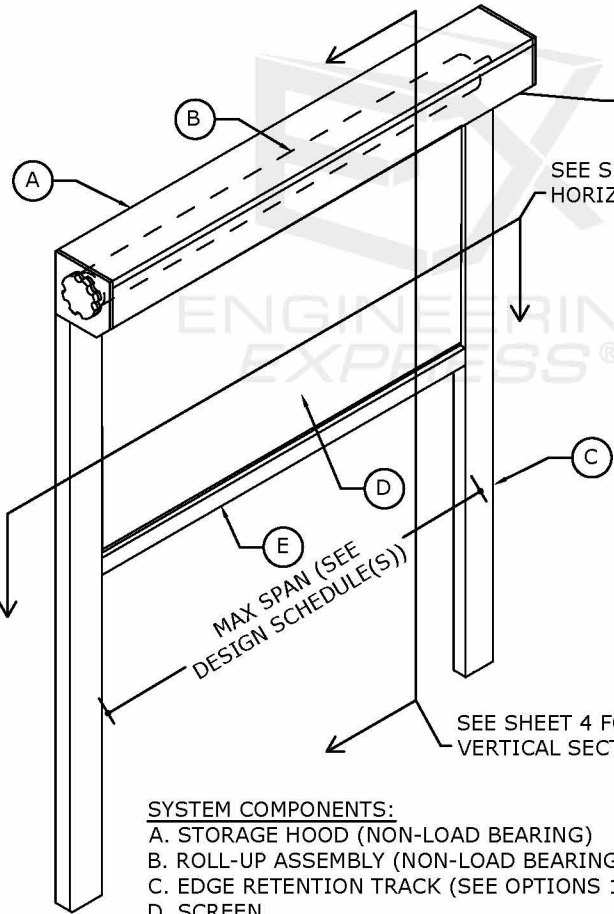
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23-62405

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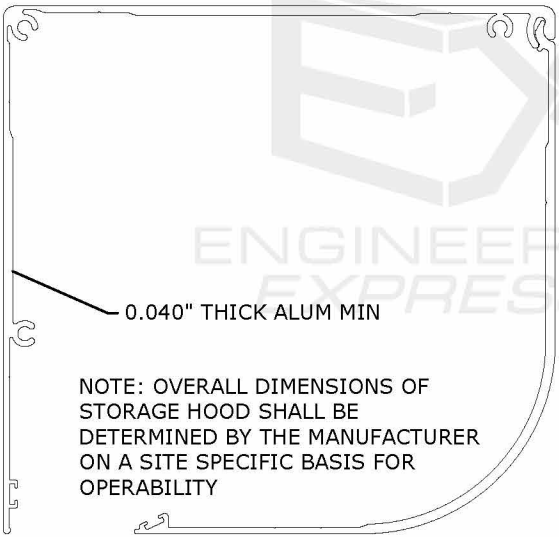


NOTE: HOOD ASSEMBLY HAS BEEN TESTED FOR LARGE MISSILE IMPACT AND MAY BE INSTALLED WITHIN THE OPENING

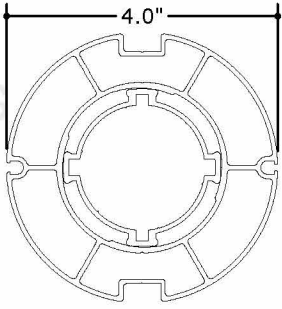
SEE SHEET 3 FOR HORIZ. SECTION VIEWS

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.

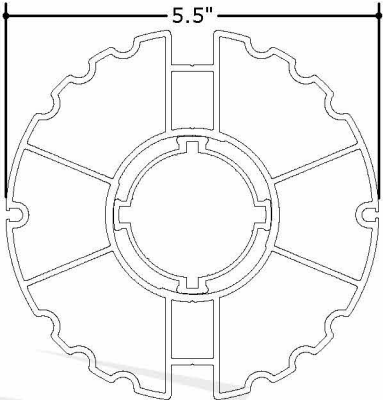


A STORAGE HOOD
3105-H14 ALUM
MIN



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

B ROLL-UP ASSEMBLY
6005A-T6 ALUM



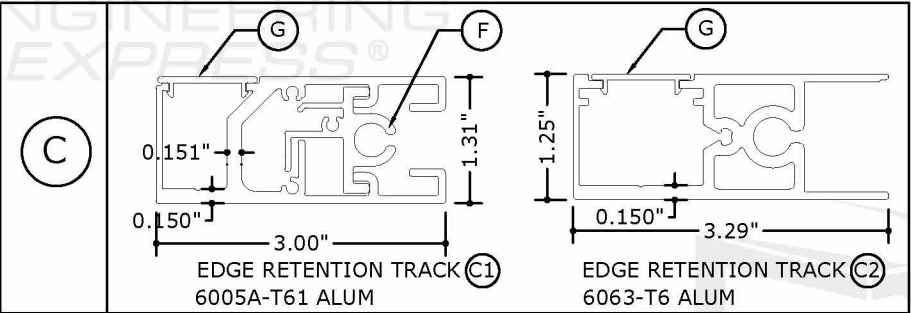
SYSTEM COMPONENTS:

- 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/BUILDDEX 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.)

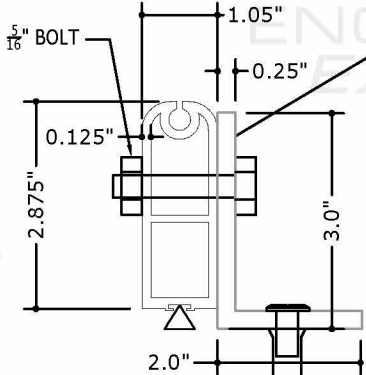
ISOMETRIC

TRACK OPTIONS (PATENT PENDING)



G SCREEN TRACK
(USE WITH C1)
6005A-T6 ALUM

H SNAP COVER
6005A-T6 ALUM



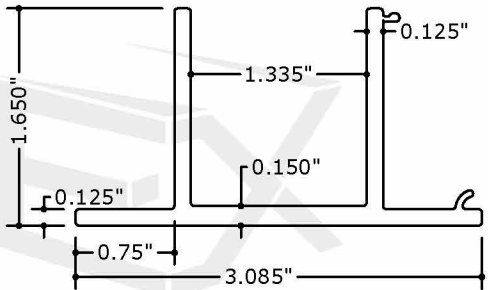
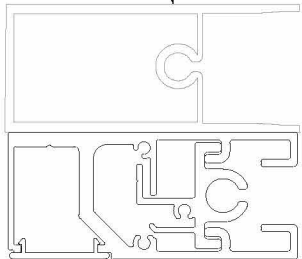
E BOTTOM TRACK
6005A-T6 ALUM

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.

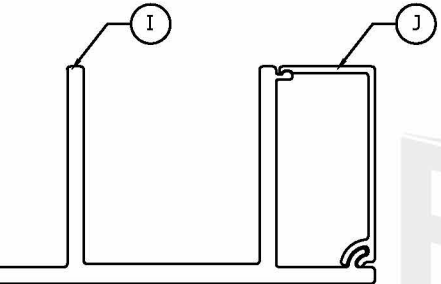
SECONDARY NON-HURRICANE SCREEN TRACK MAY BE ATTACHED TO PRIMARY HURRICANE SCREEN TRACK. SECONDARY SCREEN TRACK ANCHORS ARE NOT INCLUDED IN ANCHOR CALCULATIONS



I JAMB CHANNEL
6063-T6 ALUM MIN



J JAMB CHANNEL
6063-T6 ALUM MIN



JAMB CHANNEL WITH COVER

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

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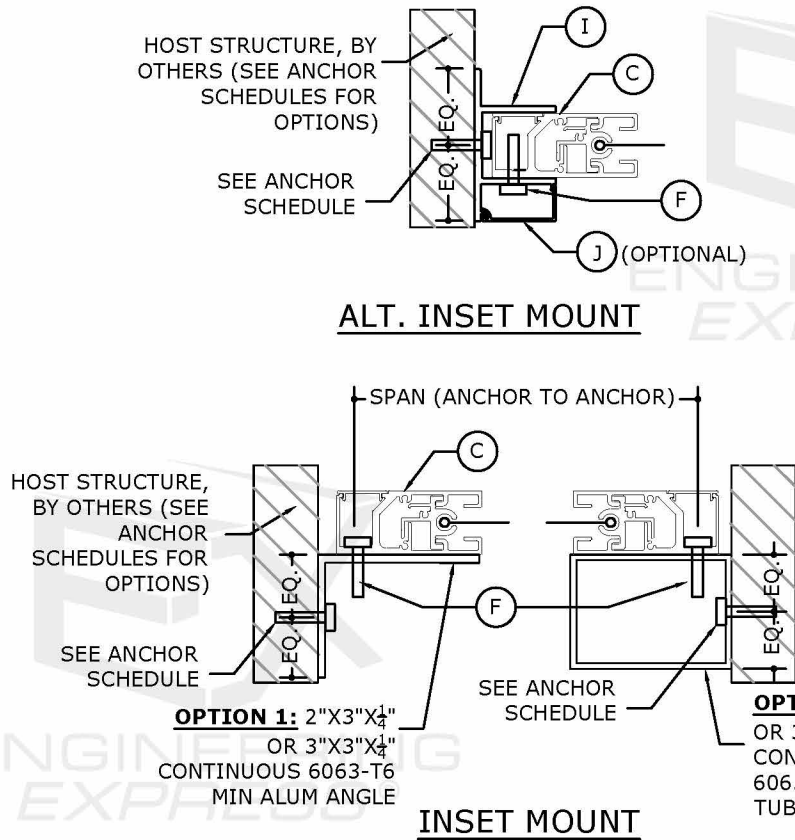
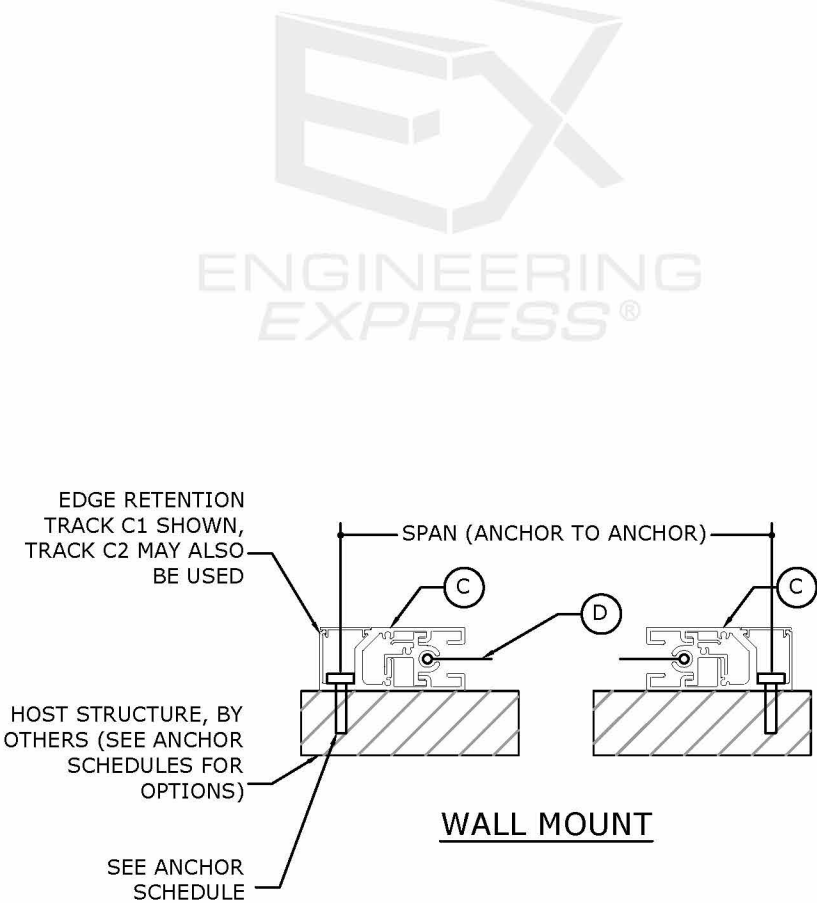
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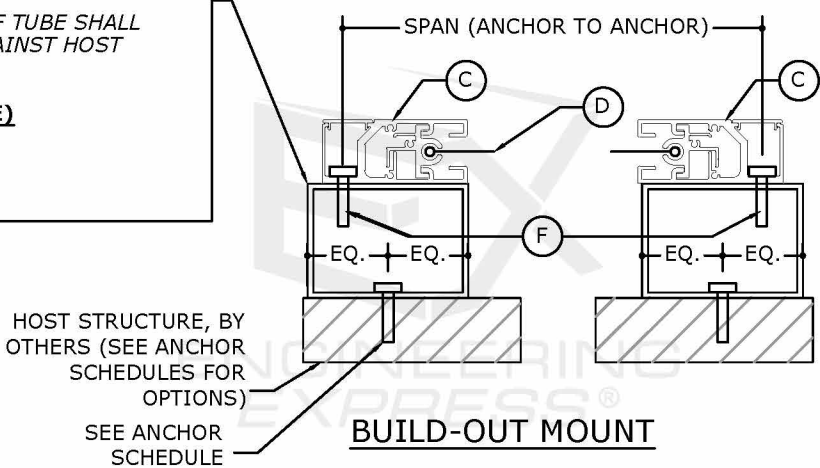
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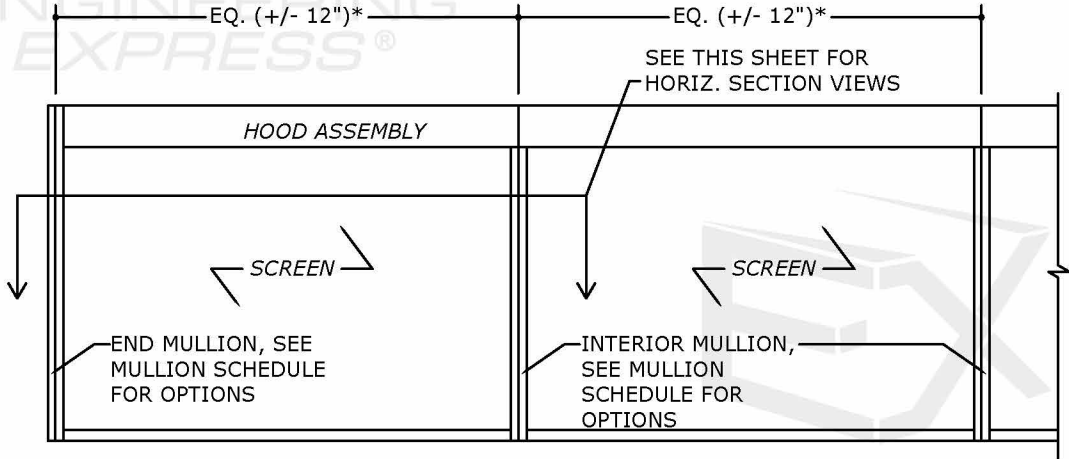


- ALUM. BUILDOUT TUBE OPTIONS
(6063-T6 MIN)
- **TYPE 1: (RECTANGULAR)**
 - 2"X3"X $\frac{1}{4}$ " OR
 - 2"X4"X $\frac{1}{4}$ "
 - **TYPE 2: (SQUARE)**
 - 3"X3"X $\frac{1}{4}$ " OR
 - 4"X4"X $\frac{1}{4}$ " OR
 - 6"X6"X $\frac{1}{4}$ "
- *NOTE: LARGE SIDE OF TUBE SHALL ALWAYS BE FLUSH AGAINST HOST STRUCTURE

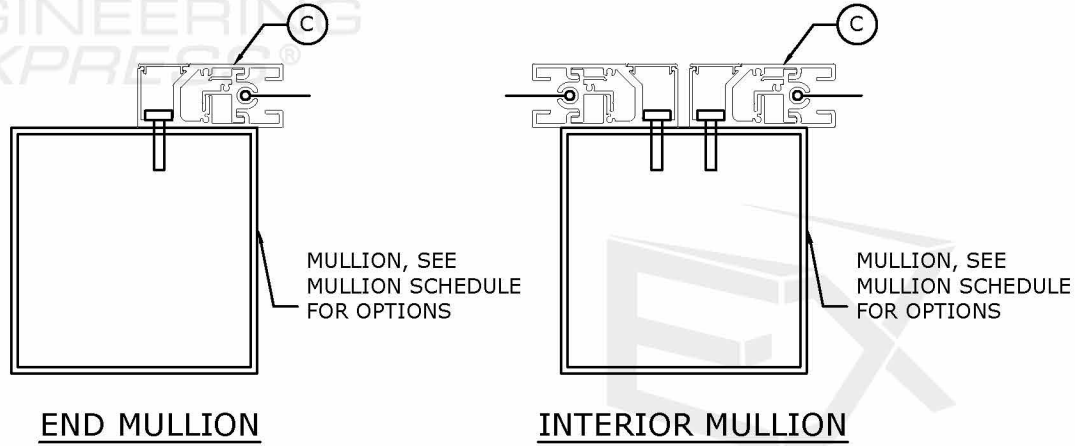


TRACK-TO-HOST CONNECTIONS (N.T.S.)
HORIZ. SECTIONS

*NOTE: TO CLASSIFY AS AN "INTERIOR MULLION", THE ADJACENT SPANS ON EITHER SIDE MUST NOT VARY BY MORE THAN 12". IF ADJACENT SPANS VARY MORE THAN 12", USE SCHEDULES FOR "END MULLION"



MULLION LAYOUT (N.T.S.)
ELEVATION



MULLION CONNECTIONS (N.T.S.)
HORIZ. SECTIONS

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- 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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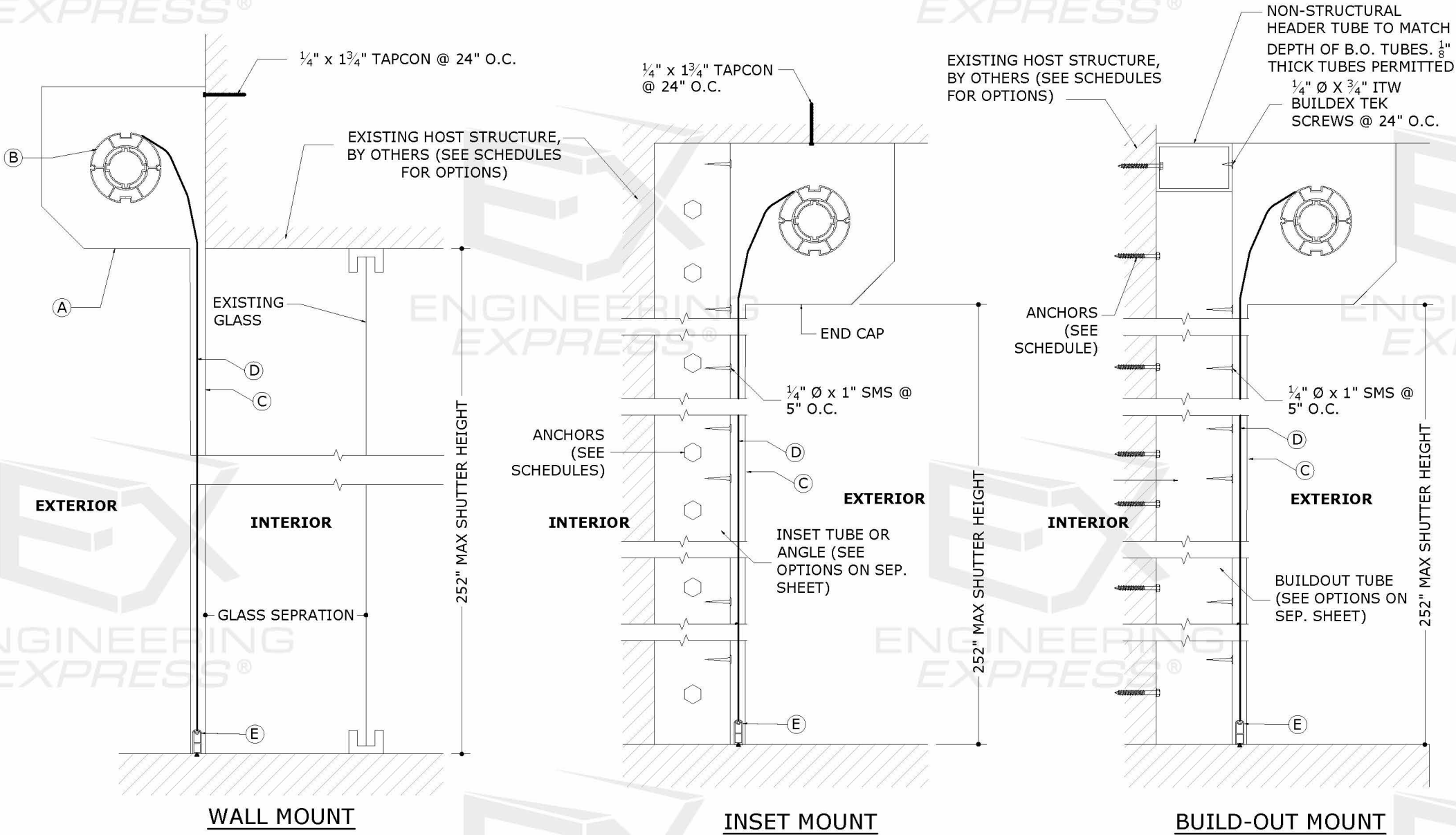
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REVISION	EPR	OCB	04/16/26

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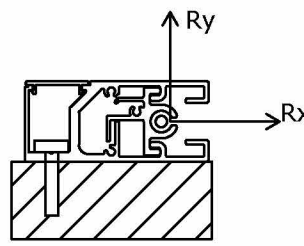


TRACK-TO-HOST CONNECTIONS (N.T.S.)

VERTICAL SECTIONS

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A cross-sectional diagram of a microfluidic device. It shows a channel with a valve mechanism. A piston is actuated by a pneumatic line. Coordinate axes R_x and R_y are shown.

				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"
+/- 200 PSF	736 LB/FT	600 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"	
90"	+/- 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"
	+/- 95 PSF	601 LB/FT	356 LB/FT	6"	6"	6"	6"	6"		4"	6"	5"	6"	6"
	+/- 115 PSF	606 LB/FT	431 LB/FT	6"	5"	6"	6"	6"		4"	6"	5"	6"	6"
	+/- 135 PSF	712 LB/FT	506 LB/FT	5"	4"	6"	6"	6"		3"	5"	4"	6"	6"
	+/- 155 PSF	817 LB/FT	581 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 175 PSF	923 LB/FT	656 LB/FT	4"	3"	4"	6"	5"		3"	4"	4"	6"	6"
	+/- 181 PSF	954 LB/FT	679 LB/FT	4"	3"	4"	6"	5"		2"	4"	3"	6"	6"
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"	4"	5"	6"	6"	6"	6"
	+/- 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"
	+/- 115 PSF	749 LB/FT	518 LB/FT	5"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 135 PSF	879 LB/FT	608 LB/FT	4"	4"	5"	6"	6"		3"	4"	3"	6"	6"
	+/- 155 PSF	942 LB/FT	698 LB/FT	4"	3"	4"	6"	5"		2"	4"	3"	6"	6"
126"	+/- 162 PSF	923 LB/FT	729 LB/FT	4"	3"	4"	6"	5"		3"	4"	3"	6"	6"
	+/- 35 PSF	362 LB/FT	184 LB/FT	6"	6"	6"	6"	6"	5"	6"	6"	6"	6"	6"
	+/- 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	5"	5"	6"	6"	6"		3"	6"	5"	6"	6"
	+/- 95 PSF	736 LB/FT	499 LB/FT	5"	4"	6"	6"	6"		3"	5"	4"	6"	6"
	+/- 115 PSF	891 LB/FT	604 LB/FT	4"	4"	5"	6"	5"		3"	4"	3"	6"	6"
	+/- 135 PSF	930 LB/FT	709 LB/FT	4"	3"	4"	6"	5"		3"	4"	3"	6"	6"
144"	+/- 144 PSF	940 LB/FT	756 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	6"
	+/- 35 PSF	405 LB/FT	210 LB/FT	6"	6"	6"	6"	6"	5"	6"	6"	6"	6"	6"
	+/- 55 PSF	636 LB/FT	330 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	6"
	+/- 75 PSF	868 LB/FT	450 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 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"
162"	+/- 125 PSF	880 LB/FT	750 LB/FT	4"	3"	4"	6"	5"		3"	4"	3"	6"	6"
	+/- 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"	5"	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"

FL



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 WAFFER 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 (FSA)

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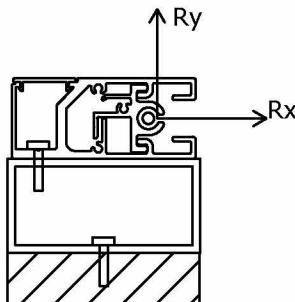
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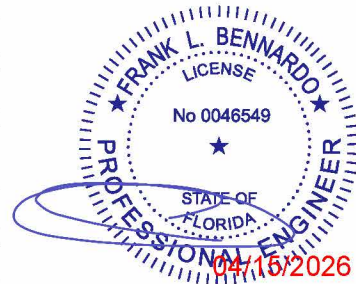
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A schematic diagram of a mechanical assembly. It shows a base plate with a central rectangular cutout, supported by a hatched foundation. A complex, multi-ported component is mounted on top of the base plate. Two coordinate axes are shown: R_y pointing vertically upwards and R_x pointing horizontally to the right.

				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"	4"	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"	4"	6"	6"	6"	6"	6"
	+/- 135 PSF	497 LB/FT	405 LB/FT	5"	5"	6"	6"	6"	4"	6"	5"	6"	6"	6"
	+/- 155 PSF	571 LB/FT	465 LB/FT	5"	4"	6"	6"	6"	3"	5"	4"	6"	6"	6"
	+/- 175 PSF	644 LB/FT	525 LB/FT	4"	4"	5"	6"	6"	3"	5"	4"	6"	6"	6"
	+/- 195 PSF	718 LB/FT	585 LB/FT	4"	4"	5"	6"	5"	3"	4"	3"	6"	6"	6"
+/- 200 PSF	736 LB/FT	600 LB/FT	4"	3"	4"	6"	5"	2"	4"	3"	6"	6"	6"	
90"	+/- 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"	4"	6"	6"	6"	6"	6"
	+/- 75 PSF	475 LB/FT	281 LB/FT	6"	6"	6"	6"	6"	4"	6"	6"	6"	6"	6"
	+/- 95 PSF	601 LB/FT	356 LB/FT	5"	5"	6"	6"	6"	3"	6"	5"	6"	6"	6"
	+/- 115 PSF	606 LB/FT	431 LB/FT	5"	4"	6"	6"	6"	3"	5"	4"	6"	6"	6"
	+/- 135 PSF	712 LB/FT	506 LB/FT	4"	4"	5"	6"	6"	3"	5"	4"	6"	6"	6"
	+/- 155 PSF	817 LB/FT	581 LB/FT	3"	3"	4"	6"	5"	2"	4"	3"	6"	6"	6"
	+/- 175 PSF	923 LB/FT	656 LB/FT	3"		4"	5"			3"	3"	6"	6"	6"
	+/- 181 PSF	954 LB/FT	679 LB/FT				5"			3"	3"	6"	6"	6"
108"	+/- 35 PSF	290 LB/FT	158 LB/FT	6"	6"	6"	6"	6"	5"	6"	6"	6"	6"	6"
	+/- 55 PSF	456 LB/FT	248 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	6"
	+/- 75 PSF	621 LB/FT	338 LB/FT	5"	5"	6"	6"	6"		3"	6"	5"	6"	6"
	+/- 95 PSF	787 LB/FT	428 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 115 PSF	749 LB/FT	518 LB/FT	4"	4"	5"	6"	4"		3"	4"	4"	6"	6"
	+/- 135 PSF	879 LB/FT	608 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 155 PSF	942 LB/FT	698 LB/FT				5"			3"	3"	6"	6"	6"
	+/- 162 PSF	923 LB/FT	729 LB/FT				5"			3"	3"	6"	6"	6"
	+/- 162 PSF	923 LB/FT	729 LB/FT				5"			3"	3"	6"	6"	6"
126"	+/- 35 PSF	362 LB/FT	184 LB/FT	6"	6"	6"	6"	6"	4"	5"	6"	6"	6"	6"
	+/- 55 PSF	568 LB/FT	289 LB/FT	5"	5"	6"	6"	6"		3"	6"	5"	6"	6"
	+/- 75 PSF	775 LB/FT	394 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 95 PSF	736 LB/FT	499 LB/FT	4"	4"	5"	6"	6"		3"	4"	4"	6"	6"
	+/- 115 PSF	891 LB/FT	604 LB/FT	3"	3"	4"	6"	5"			4"	3"	6"	6"
	+/- 135 PSF	930 LB/FT	709 LB/FT				5"			3"	3"	6"	6"	6"
	+/- 144 PSF	940 LB/FT	756 LB/FT				5"			3"	3"	6"	6"	6"
	+/- 144 PSF	940 LB/FT	756 LB/FT				5"			3"	3"	6"	6"	6"
	+/- 144 PSF	940 LB/FT	756 LB/FT				5"			3"	3"	6"	6"	6"
144"	+/- 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"	3"	5"	6"	5"		2"	4"	3"	6"	6"
	+/- 95 PSF	810 LB/FT	570 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	6"
	+/- 115 PSF	887 LB/FT	690 LB/FT	3"		4"	5"				4"	3"	6"	6"
	+/- 125 PSF	880 LB/FT	750 LB/FT	3"			5"				3"	3"	6"	6"
162"	+/- 35 PSF	449 LB/FT	236 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	6"
	+/- 55 PSF	663 LB/FT	371 LB/FT	5"	4"	6"	6"	6"		3"	5"	4"	6"	6"
	+/- 75 PSF	854 LB/FT	506 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	6"
	+/- 95 PSF	885 LB/FT	641 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
	+/- 107 PSF	878 LB/FT	722 LB/FT	3"			5"				3"	3"	6"	6"
	+/- 107 PSF	878 LB/FT	722 LB/FT	3"			5"				3"	3"	6"	6"
180"	+/- 35 PSF	521 LB/FT	263 LB/FT	6"	6"	6"	6"	6"		4"	6"	6"	6"	6"
	+/- 55 PSF	733 LB/FT	413 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 75 PSF	825 LB/FT	563 LB/FT	3"	3"	4"	6"	5"		2"	4"	3"	6"	6"
	+/- 88 PSF	874 LB/FT	660 LB/FT	3"	3"	4"	5"	5"			4"	3"	6"	6"
192"	+/- 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	4"	4"	6"	6"	6"		3"	5"	4"	6"	6"
	+/- 76 PSF	755 LB/FT	608 LB/FT	4"	3"	4"	6"	5"		2"	4"	3"	6"	6"
210"	+/- 35 PSF	603 LB/FT	306 LB/FT	5"	5"	6"	6"	6"		3"	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	3"	3"	4"	6"	5"		2"	4"	3"	6"	6"
228"	+/- 35 PSF	677 LB/FT	333 LB/FT	5"	4"	6"	6"	6"		3"	5"	5"	6"	6"
	+/- 55 PSF	859 LB/FT	523 LB/FT	3"	3"	4"	6"	6"		2"	4"	3"	6"	6"
	+/- 65 PSF	910 LB/FT	618 LB/FT	3"		4"	5"	5"				3"	6"	6"
246"	+/- 35 PSF	752 LB/FT	359 LB/FT	4"	4"	5"	6"	6"		3"	5"	4"	6"	6"
	+/- 55 PSF	963 LB/FT	564 LB/FT	3"		4"	5"				4"	4"	6"	6"
	+/- 60 PSF	978 LB/FT	615 LB/FT			4"	5"				3"	3"	6"	6"
264"	+/- 35 PSF	829 LB/FT	385 LB/FT	4"	4"	5"	6"	6"		2"	4"	4"	6"	6"
	+/- 55 PSF	1033 LB/FT	605 LB/FT				5"				3"	3"	6"	6"
282"	+/- 35 PSF	906 LB/FT	411 LB/FT	3"	3"	5"	6"	5"			4"	3"	6"	6"
	+/- 50 PSF	1035 LB/FT	588 LB/FT				5"				3"	3"	6"	6"
300"	+/- 35 PSF	984 LB/FT	438 LB/FT	3"		4"	6"	5"			4"	3"	6"	6"
	+/- 45 PSF	1021 LB/FT	563 LB/FT		3"	4"	5"				3"	3"	6"	6"

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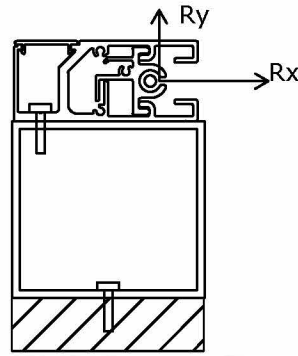
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A schematic diagram of a mechanical assembly. On the left, a vertical hatched bar represents a fixed support. A horizontal plate is attached to this support. A vertical rod passes through the plate, with a nut and washer on the left side. A horizontal rod extends from the plate to the right, ending in a circular component with internal features. A coordinate system is shown with the origin at the center of this circular component: the R_x axis points horizontally to the right, and the R_y axis points vertically upwards.

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PE# 0046549 CA# 9885

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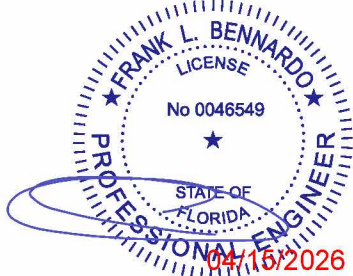
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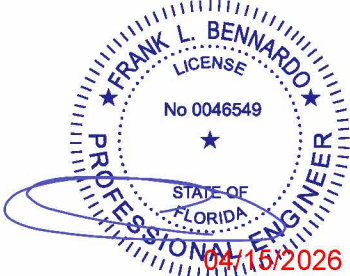


MULLION SCHEDULE: END MULLIONS																					
		4"x6"x0.25" ALUM TUBE				6"x4"x0.25" ALUM TUBE				4"x8"x0.25" ALUM TUBE				8"x4"x0.25" ALUM TUBE				4"x4"x0.25" ALUM TUBE			
SLAT SPAN	DESIGN PRESSURE	MAX MULLION LENGTH	END REACTION Rv	END REACTION Rt	END REACTION Rsum	MAX MULLION LENGTH	END REACTION 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
108"	+/- 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
	+/- 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
126"	+/- 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
	+/- 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
	144"	+/- 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
+/- 75 PSF		97.2"	3514.3 LB	1822.2 LB	3958.7 LB	100.9"	3648.2 LB	1891.7 LB	4109.5 LB	109.9"	3										

RETRACTABLE SCREEN

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

FL

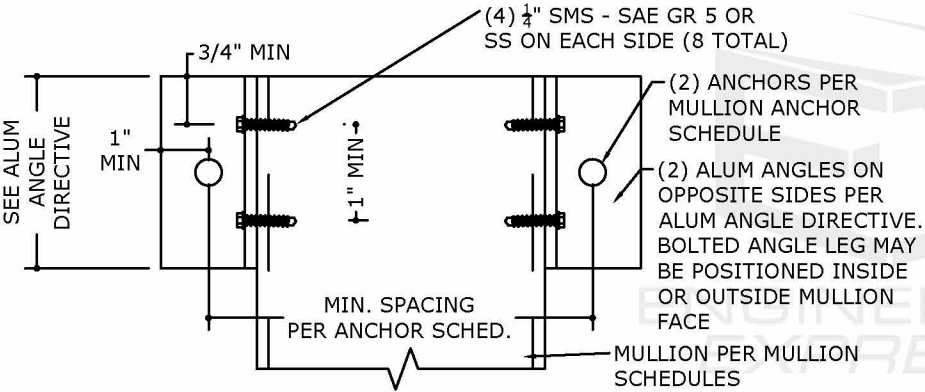
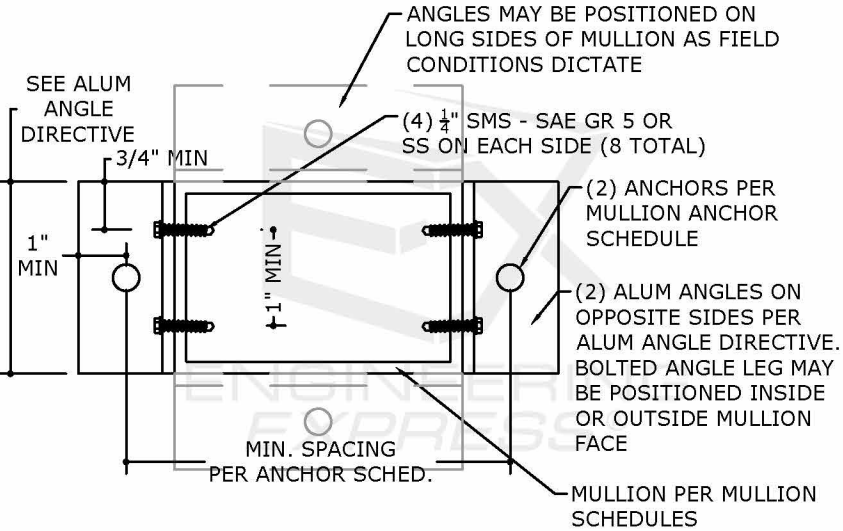


MULLION SCHEDULE: INTERIOR MULLIONS											
SLAT SPAN	DESIGN PRESSURE	4"x6"x0.25" ALUM TUBE		6"x4"x0.25" ALUM TUBE		4"x8"x0.25" ALUM TUBE		8"x4"x0.25" ALUM TUBE		4"x4"x0.25" ALUM TUBE	
		MAX MULLION LENGTH	END REACTION Rt	MAX MULLION LENGTH	END REACTION Rt	MAX MULLION LENGTH	END REACTION Rt	MAX MULLION 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
210"	+/- 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"	308

RETRACTABLE SCREEN

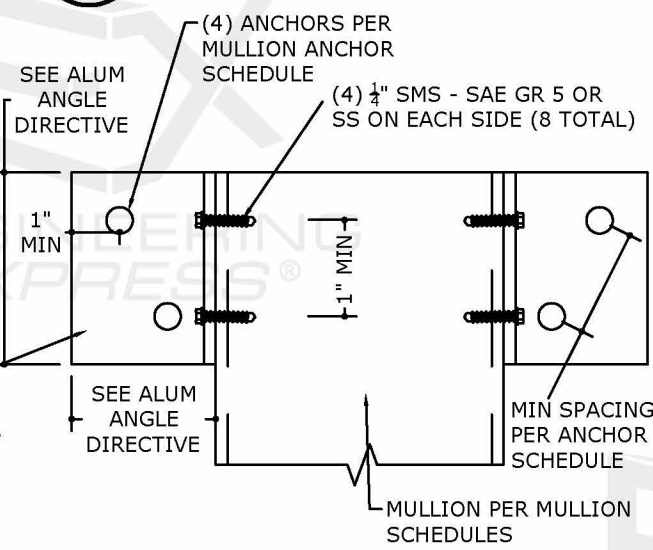
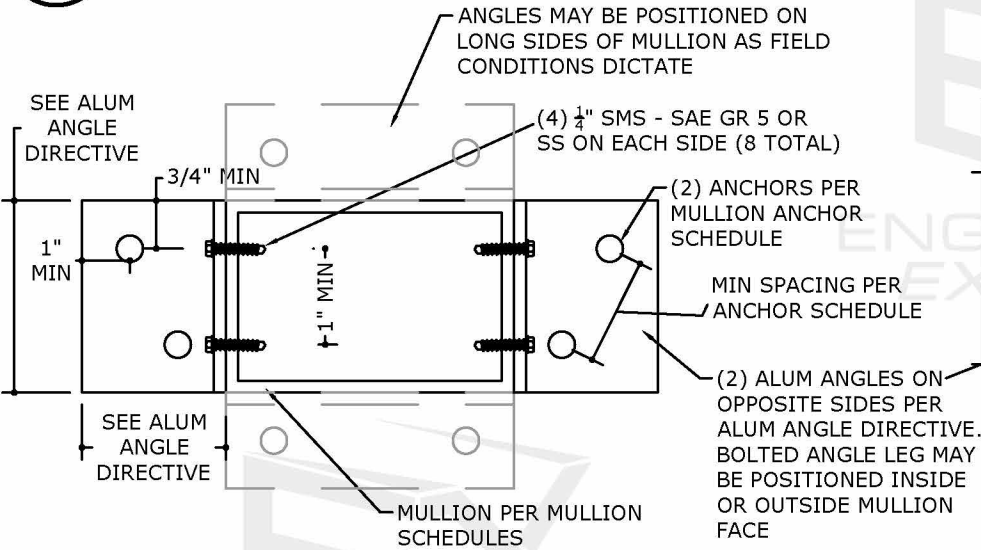
FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

FL



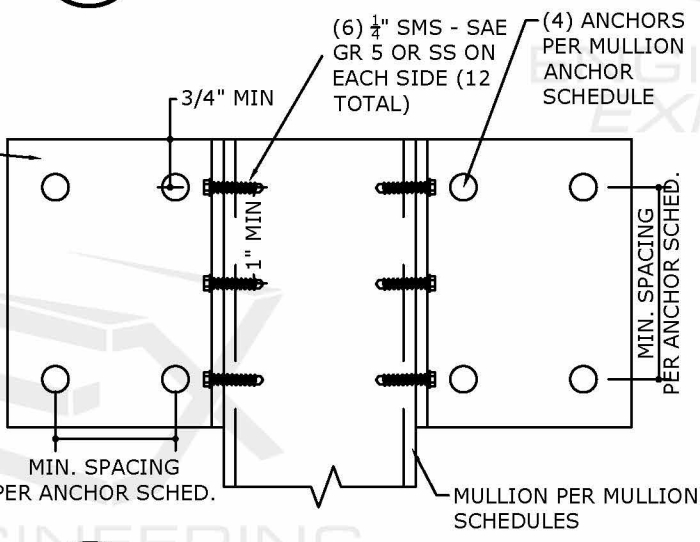
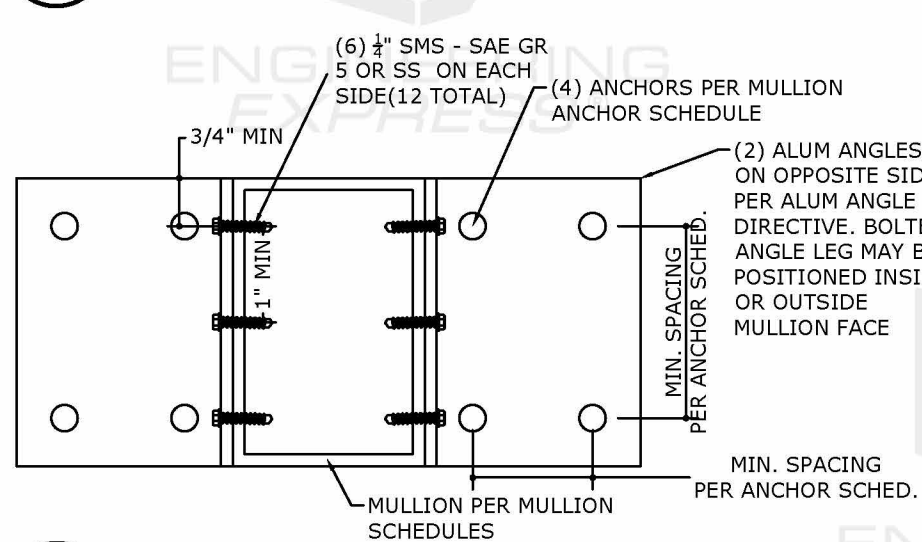
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12 N.T.S.

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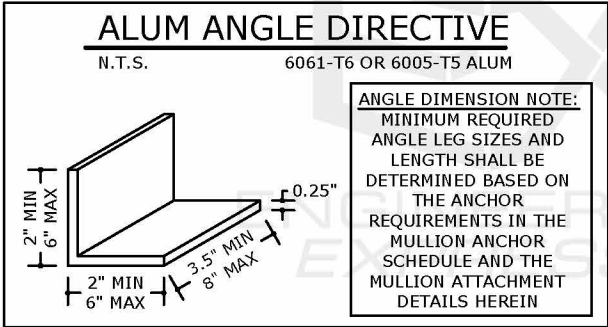
3B FACE MOUNT OPTION 3
12 N.T.S.

MULLION ANCHOR SCHEDULE

ANCHOR TYPE	MINIMUM SPACING	MINIMUM EDGE DISTANCE	CONNECTION DETAIL	CONNECTION CAPACITY	
				Tcap	Vcap
1/2" DEWALT SCREW BOLTS (OR EQUIV.) W/ 2-1/2" EMBED TO 3KSI MIN. CONCRETE	6"	4.5"	1A/12, 1B/12	3660 LB	2249 LB
	4.0"	4.5"	2A/12, 2B/12	6442 LB	4106 LB
	4.0"	4.5"	3A/12, 3B/12	12883 LB	8213 LB
3/8" DEWALT SCREW BOLTS (OR EQUIV.) W/ 2" EMBED TO 3KSI MIN. CONCRETE	6.0"	2.5"	1A/12, 1B/12	1905 LB	1007 LB
	3.0"	2.5"	2A/12, 2B/12	3801 LB	1700 LB
	3.0"	2.5"	3A/12, 3B/12	7622 LB	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	1953 LB	1233 LB
	3.0"	4.5"	2A/12, 2B/12	3906 LB	2467 LB
	3.0"	4.5"	3A/12, 3B/12	7812 LB	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	1310 LB	302 LB
	2.0"	1.25"	2A/12, 2B/12	2620 LB	604 LB
	2.0"	1.25"	3A/12, 3B/12	3930 LB	906 LB
5/16" DEWALT ULTRACON (OR EQUIV.) W/ 2" EMBED TO 3.5KSI MIN CONCRETE	5.0"	3.125"	1A/12, 1B/12	1670 LB	1700 LB
	3.75"	3.125"	2A/12, 2B/12	1820 LB	2840 LB
	3.75"	3.125"	3A/12, 3B/12	3640 LB	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	580 LB	750 LB
	5.0"	2.5"	2A/12, 2B/12	1160 LB	1500 LB
	5.0"	2.5"	3A/12, 3B/12	2320 LB	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 1/2" SMS PER THE FOLLOWING DIRECTIVE
7.1. (4) SMS PER SIDE = (2) 1/2" UNC THRU BOLTS / (6) SMS PER SIDE = (3) 1/2" 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			

REMARKS
INITIALS
2023 FBC
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12 OF 13

REMOVABLE SCREEN

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

FL

FRANK L. BENNARDO

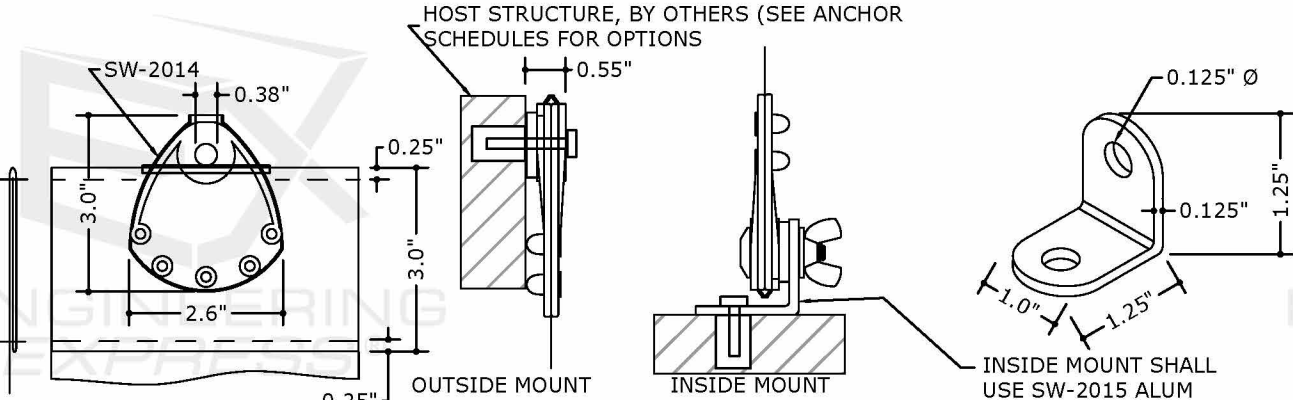
LICENSE

No 0046549

STATE OF FLORIDA

PROFESSIONAL ENGINEER

04/15/2026



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.

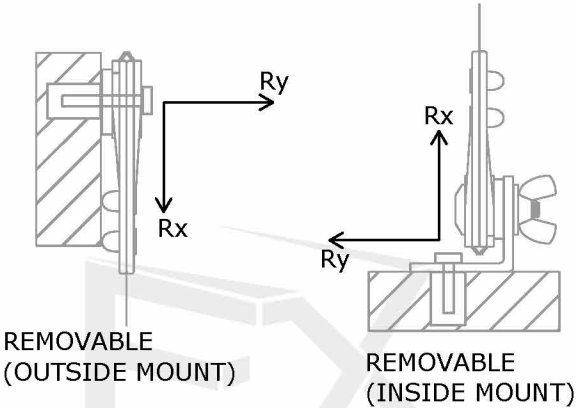
INSIDE MOUNT SHALL USE SW-2015 ALUM 6063-T6 MIN ANG BRACKET (AS SHOWN) OR CONTINUOUS ANGLE

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"	4.7"	4.6"	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"	4.4"	4.2"	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"	9.5"	9.1"	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"	8.1"	7.8"	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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13