

STORMWATCH HURRICANE SCREENS

TYPICAL REMOVABLE PANEL CONFIGURATIONS AND OPTIONS

PRODUCT APPROVAL NO.

FL 8637 R4

FOR USE OUTSIDE THE HVHZ

ANCHOR CONNECTION TYPE A & END RETENTION SCREEN
+76 PSF/ -76 PSF MAX SPAN 170"

ANCHOR CONNECTION TYPES B & C
+66.1 PSF/ -66.1 PSF MAX SPAN 102"

GENERAL NOTES:

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED AS A LARGE MISSILE IMPACT PROTECTIVE SYSTEM IN ACCORDANCE WITH THE 2010 FLORIDA BUILDING CODE FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE PER TAS 201-94, TAS 202-94, TAS 203-94 AND IN ACCORDANCE WITH THE 2009 INTERNATIONAL BUILDING CODE STANDARDS ASTM E1886-05, E1996-06 AND ASTM E330-02 TEST STANDARDS.

2. THE SYSTEM DESCRIBED HEREIN IS DESIGNED FOR USE AS A PROTECTED OPENING IMPACT SCREEN DURING PERIODS OF HIGH WINDS. THE SCREEN IS TEMPORARY AND REMOVABLE AND NOT INTENDED TO BE A PERMANENT PART OF THE STRUCTURE.

3. THE SYSTEM DESCRIBED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT AS REQUIRED FOR INSTALLATIONS OUTSIDE BOUNDARIES AS SHOWN.

4. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. SITE SPECIFIC ENGINEERING MAY BE REQUIRED TO DETERMINE COMPATIBILITY WITH HOST STRUCTURE.

5. ALL BOLTS, WASHERS, FASTENERS SHALL BE GALVANIZED STEEL, NICKEL/ ZINC COATED STEEL, OR STAINLESS STEEL HAVING A MINIMUM TENSILE STRESS OF 60,000 PSI.

6. THE SCREEN DESCRIBED HEREIN SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SCREEN. LABEL INFORMATION SHALL CONTAIN THE MANUFACTURER'S NAME, INFORMATION DESCRIBING THE PRODUCT, INFORMATION DESCRIBING LIMITATIONS OF USE, AND THE FLORIDA PRODUCT APPROVAL NUMBER.

MATERIALS:

DETAIL SPECIFICATIONS IN PRODUCT EVALUATION REPORT

FABRIC #1 POLYMESH

FABRIC #2 PVC LAMINATE

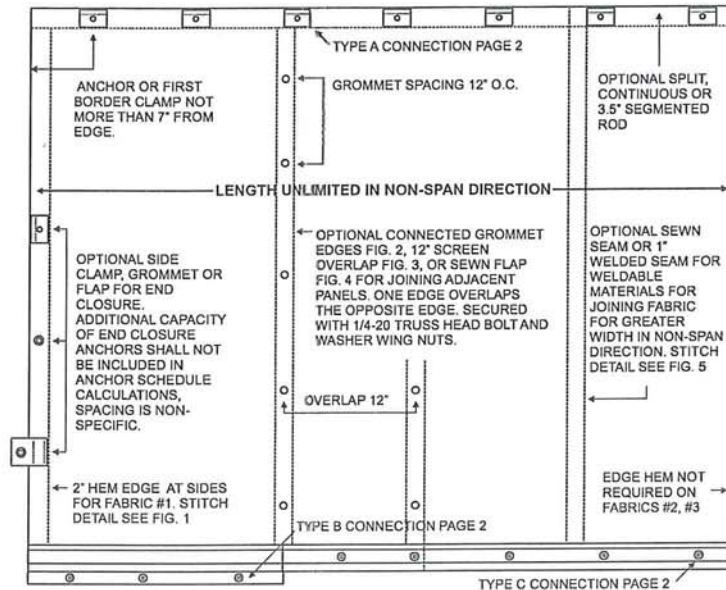
FABRIC #3 PVC MESH

THREAD PTFE OR POLY 138

ANGLE TRACK AND BUILD-OUTS AL 6061 T5 OR 6063 T5

STORMWATCH CLIP

END RETENTION TRACKS 1 & 2 AL 6063 T5



TYPICAL END RETENTION SCREEN SYSTEM

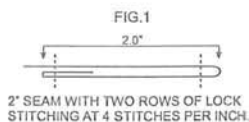
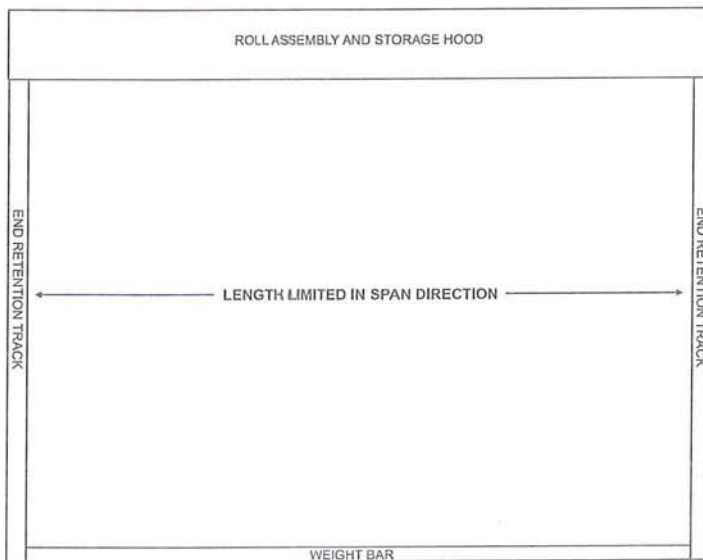
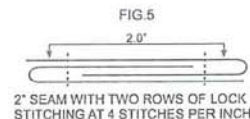


FIG. 3
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STORMWATCH
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Installation Instructions

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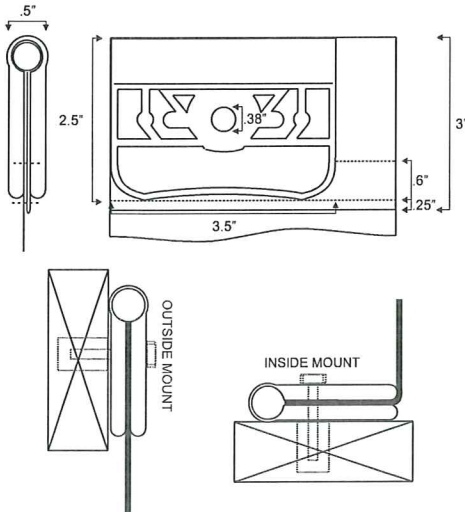
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SCREEN CONNECTION TYPES

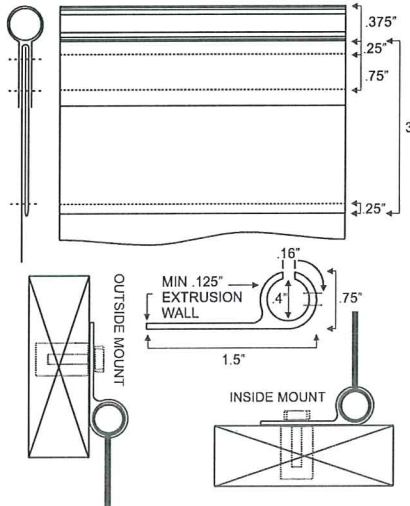
TYPE A CONNECTION STORMWATCH CLIP

DOUBLE FOLD EDGE HEM WITH FABRICS #1 AND #3 WITH LOCK STITCHING AT 4 STITCHES PER INCH AS INDICATED. FRP ROD INSERTED IN HEM WITH STORMWATCH ANCHOR CONNECTION CLIP. MAY ALSO BE USED WITH 1" WELDED SEAM WITH NO FOLD ON FABRICS #2 AND #3. **NOTE:** FOR INSIDE MOUNT CONNECTION WITH FABRIC #2 USE RIGHT ANGLE TRACKS OF PAGE 3.



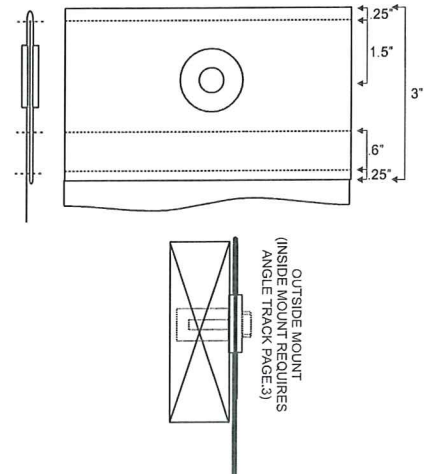
TYPE B CONNECTION C-TRACK

DOUBLE FOLD EDGE HEM WITH FABRICS #1 AND #3 WITH LOCK STITCHING AT 4 STITCHES PER INCH AS INDICATED. HEM CORD SEWN TO HEM WITH TWO ROWS OF STITCHING, OR NO FOLD WITH 1" WELDED SEAM FOR FABRICS #2 AND #3. HEM CORD CAN BE FRP ROD OR SOLID PVC. HEM CORD SLIDES INTO C-TRACK.



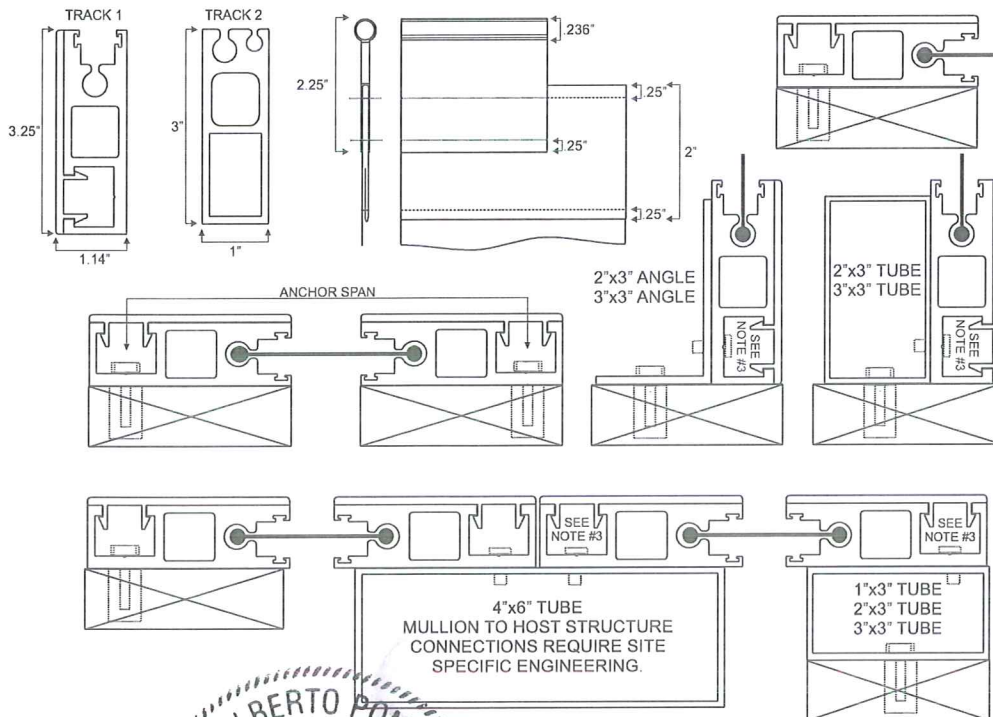
TYPE C CONNECTION GROMMET

DOUBLE FOLD EDGE HEM WITH FABRICS #1 AND #3 WITH LOCK STITCHING AT 4 STITCHES PER INCH, #2 SPUR GROMMET FOR ANCHOR CONNECTIONS AS INDICATED.



END RETENTION SCREEN SYSTEM

SINGLE FOLD EDGE HEM WITH FABRIC #1 WITH LOCK STITCHING AT 4 STITCHES PER INCH AS INDICATED. HEM CORD SEWN TO HEM WITH TWO ROWS OF STITCHING. MIN. HEM CORD DIA. .236" CAN BE SOLID PVC OR BRAIDED CORD. HEM CORD SLIDES INTO TRACK GROOVE.



NOTES:

1. MECHANICAL ROLL-UP ASSEMBLIES IF USED ARE NOT LOAD BEARING AND NOT INCLUDED IN ANCHOR CALCULATIONS.

2. BUILD-OUTS AND BLOCKING ARE COMPRISED OF ALUMINUM 6061 T5 OR 6063 T5.

3. TRACK CONNECTIONS TO BUILD-OUTS AND BLOCKING ARE MADE WITH 1/4-14x1" ITW/BUILDDEX HWH TEKS SELECT.

4. BUILD-OUTS AND CONNECTIONS ARE INTERCHANGEABLE FOR TRACKS 1 AND 2.

5. SEE ANCHOR SCHEDULE PAGE 5 FOR TRACK ORIENTATION TO SUBSTRATE.

FASTENER SPACING FOR TRACK TO ANGLE AND TUBE CONNECTIONS

SPAN	1/8" WALL	1/4" WALL
60"	5" O.C.	12" O.C.
72"	4" O.C.	11" O.C.
84"	3" O.C.	9" O.C.
96"	3" O.C.	8" O.C.
108"	NA	7" O.C.
120"	NA	6" O.C.
132"	NA	6" O.C.
144"	NA	5" O.C.
156"	NA	5" O.C.
170"	NA	4" O.C.

DESIGN LOAD +/-76PSF MAX SPAN 170"

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FEB 09 2012

FLORIDA

PROFESSIONAL ENGINEER

STORMWATCH
HURRICANE SCREENS

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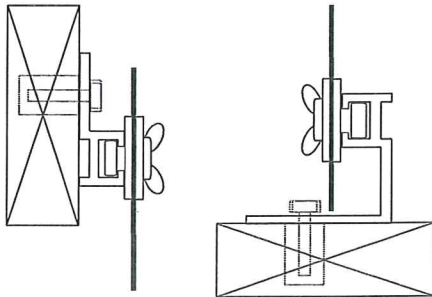
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TRACK TYPES

F-TRACK, ANGLE F-TRACK, STUD TRACK, C-TRACK FOR USE WITH ANCHOR CONNECTION TYPES A, B, OR C MAX SPAN 102" DESIGN PRESSURE +/-66.1 PSF

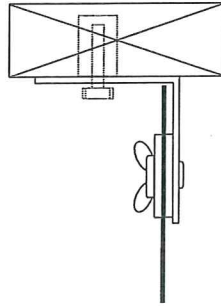
GENERAL NOTES:

1. TRACK TO HOST STRUCTURE ANCHOR CONNECTIONS PER ANCHOR SCHEDULE.
2. TRACK CAN BE FLOOR OR CEILING MOUNTED.
3. INTERMEDIARY CONNECTIONS MAY USE 1/4-20 F-TRACK BOLTS, HEX HEAD MACHINE SCREWS WITH WASHER WING NUT OR NUT WITH WASHER FOR A MIN. HEAD DIA. TWICE THE DIA. OF OPENING.



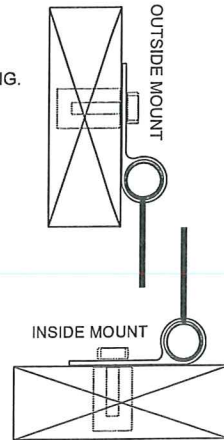
F-TRACK NOTES:

1. INTERMEDIARY SCREEN TO F-TRACK CONNECTIONS ALWAYS USE MAX 8" O.C. SPACING.



STUD ANGLE NOTES:

1. INTERMEDIARY SCREEN TO F-TRACK CONNECTIONS PER ANCHOR SCHEDULE.

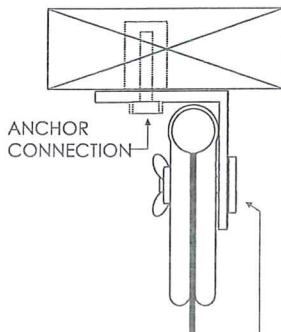


C-TRACK NOTES:

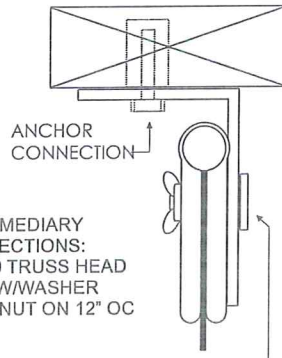
1. C-TRACK CONNECTIONS USE INSIDE OR OUTSIDE MOUNT TRACK TYPE FOR CORRESPONDING MOUNTING CONFIGURATION.

STRUCTURAL ANGLE TRACK FOR USE WITH ANCHOR CONNECTION TYPE A

1/8" ALUMINUM ANGLE
FOR 12" ANCHOR SPACING



3/16" ALUMINUM ANGLE
MAX 24" ANCHOR SPACING



INTERMEDIARY
CONNECTIONS:
1/4"-20 TRUSS HEAD
BOLT W/WASHER
WING NUT ON 12" OC

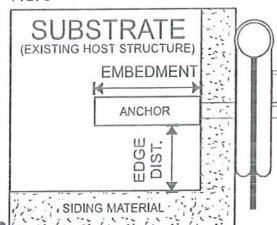
STRUCTURAL ANGLE TRACK INSTALLATION NOTES:

1. MAX 2"x3" ALUMINUM ANGLE WITH A MIN. 1/8" CROSS SECTION AND OF A CONTINUOUS OR SEGMENTED SECTION WITH A MIN. LENGTH OF 3.5" MAY BE USED WITH MAX 12" O.C. ANCHORS INTO SUBSTRATE PER ANCHOR SCHEDULE. INTERMEDIARY PANEL TO ANGLE CONNECTIONS ARE SPACED ON 12" CENTERS.
2. CONTINUOUS SECTIONS OF 2"x3" ALUMINUM ANGLE WITH A MIN 3/16" CROSS SECTION MAY BE USED WITH MAX 24" O.C. ANCHORS INTO SUBSTRATE TO MAX. SPAN PER ANCHOR SCHEDULE. INTERMEDIARY PANEL TO ANGLE CONNECTIONS ARE SPACED ON 12" CENTERS.
3. INTERMEDIARY CONNECTIONS MAY USE 1/4-20 TRUSS HEAD MACHINE SCREWS WITH WASHER WING NUT OR NUT WITH WASHER FOR A MIN. HEAD DIA. TWICE THE DIA. OF OPENING.

ANCHOR NOTES:

1. MINIMUM EDGE DISTANCE AND EMBEDMENT EXCLUDES ALL WALL FINISHES INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING (SEE FIG. 6). FIELD VERIFY THE THICKNESS OF FINISHES AND LOCATION OF STRUCTURAL FRAMING FOR PROPER ANCHOR EDGE DISTANCE AND EMBEDMENT.
2. WHERE STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT ANCHORS ARE PLACED INTO WOOD FRAMING AND NOT PLYWOOD AND THAT WOOD FRAMING IS NOT DETERIORATED.
3. SPAN IS MEASURED ANCHOR TO ANCHOR.
4. THE ANCHOR SCHEDULE REFERENCES THE INDICATED MANUFACTURER'S INSTALLATION INSTRUCTIONS AND TEST RESULTS. INSTALL ANCHORS PER MANUFACTURER'S DIRECTIONS.
5. ANCHOR CONNECTIONS SHALL BE MADE WITH CORRESPONDING MACHINE SCREWS HAVING A MINIMUM TENSILE STRESS OF 45,000 PSI. CONNECTIONS MAY USE WASHER WING NUTS OR BOLTS WITH WASHERS OF MIN. HEAD DIA. TWICE THE DIA. OF OPENING.

FIG. 6



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STORMWATCH
HURRICANE SCREENS

Installation Instructions

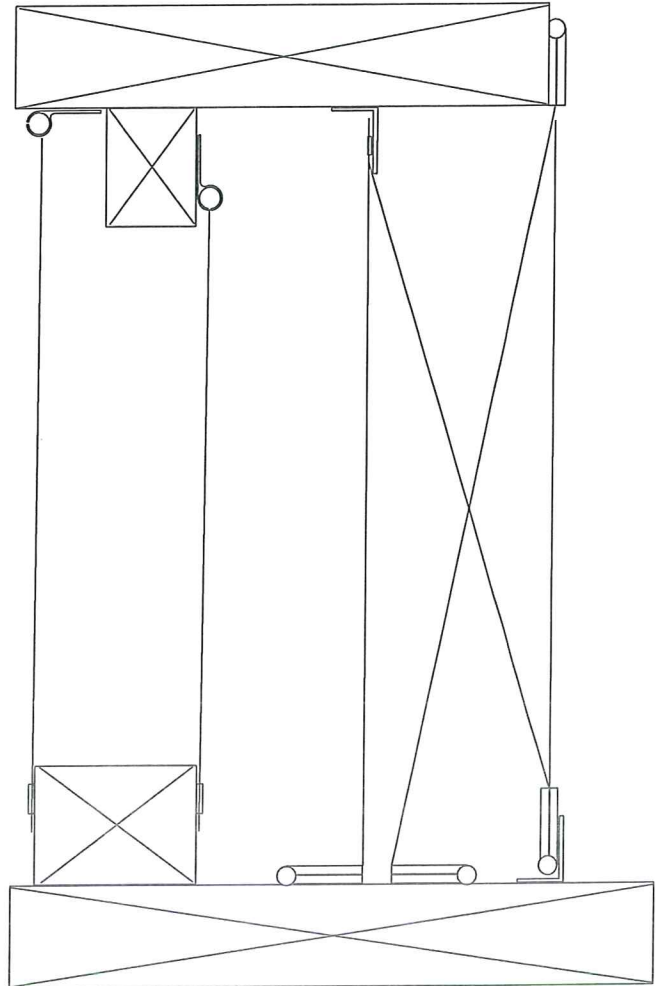
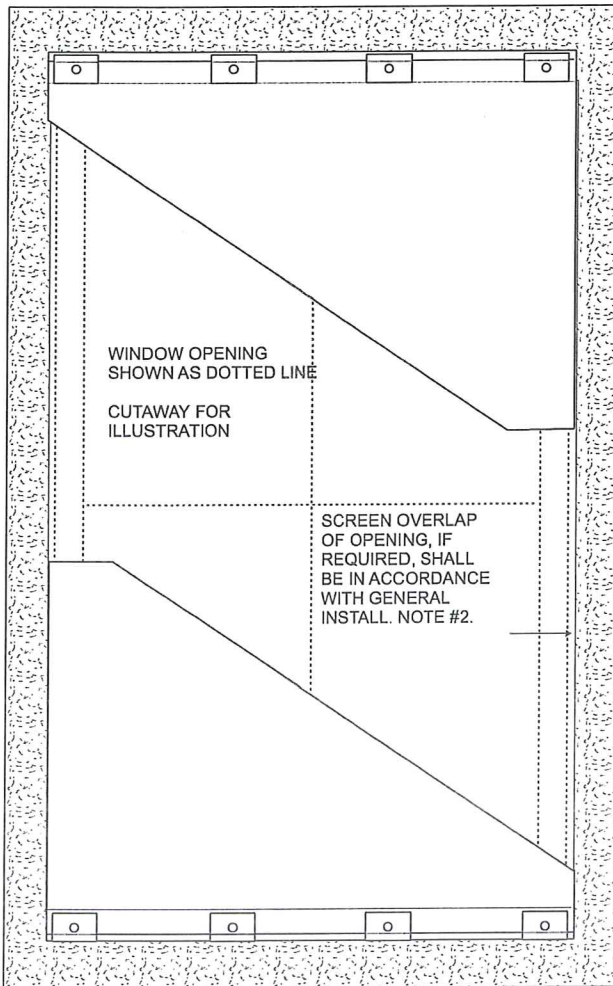
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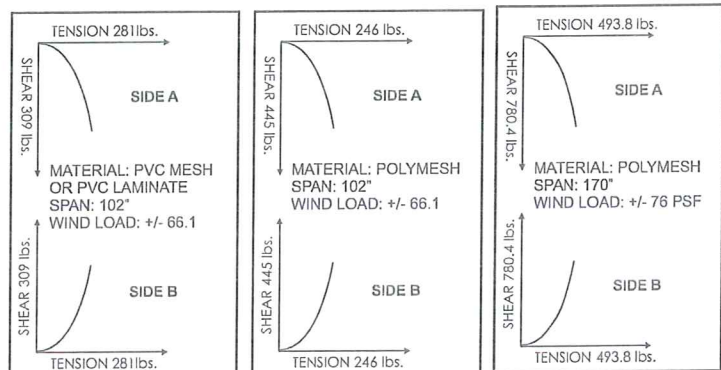
INSTALLATION EXAMPLES CONNECTIONS A, B & C



GENERAL INSTALLATION NOTES FOR CONNECTION TYPES A, B & C:

1. THIS SYSTEM DESCRIBED HEREIN MAY BE USED AS A NON-POROUS SHUTTER SYSTEM, NO MINIMUM SEPARATION FROM THE PROTECTED GLAZING IS REQUIRED.
2. SHUTTER SHALL BE INSTALLED IN A MANNER TO COMPLETELY COVER THE ENTIRE OPENING IN ALL DIRECTIONS. ON ANY SIDE OF AN OPENING, THE MAXIMUM SIDE CLEARANCE BETWEEN THE SCREEN AND A WALL OR INSET SURFACE SHALL BE 1/4". ANY DISTANCE IN EXCESS OF 1/4" SHALL REQUIRE END CLOSURE OR SCREEN OVERLAP OF A MINIMUM OF 1.5 TIMES THE SIDE CLEARANCE BETWEEN THE SCREEN AND WALL.
3. MULTIPLE UNITS MAY BE INSTALLED TO UNLIMITED NON-SPAN WIDTHS.
4. SCREEN MAY BE MOUNTED VERTICALLY OR HORIZONTALLY.
5. MULTIPLE CONNECTION TYPES AND TRACK TYPES MAY BE USED FOR ANY OPENING. THE ANCHOR SCHEDULE MUST SOLVE FOR THE DESIGN PRESSURE OF THE WEAKEST CONDITION PRESENT IN THE COMBINATION.

MAXIMUM SUPERIMPOSED LOADS ON HOST STRUCTURE PER LINEAR FOOT FOR INDICATED FABRIC TYPE, WIND LOAD, AND SPAN



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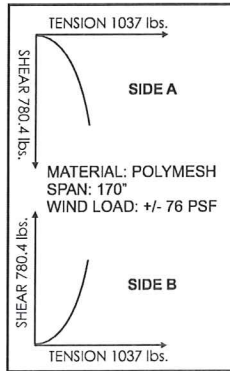
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INSTALLATION EXAMPLES CONNECTIONS ROLLING SCREEN WITH END RETENTION TRACK

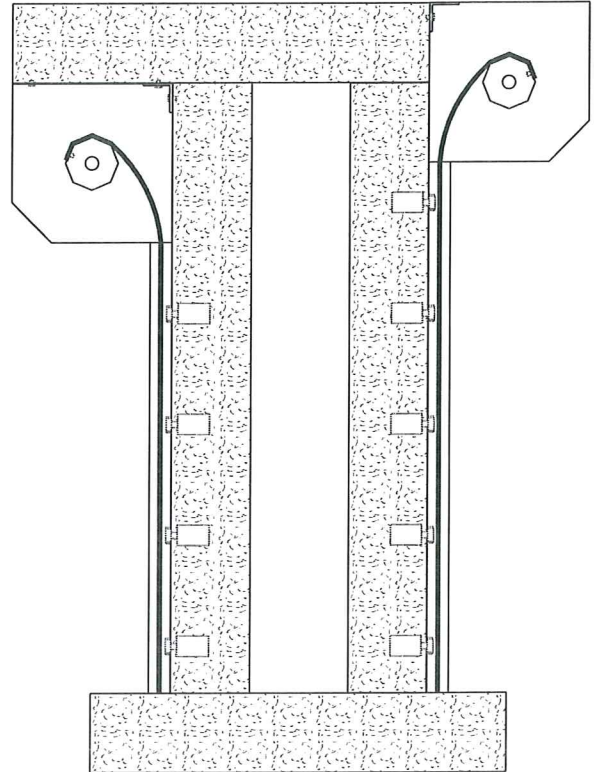
GENERAL INSTALLATION NOTES FOR END RETENTION SCREEN SYSTEM:

1. THIS SYSTEM DESCRIBED HEREIN MAY BE USED AS A NON-POROUS SHUTTER SYSTEM, NO MINIMUM SEPARATION FROM THE PROTECTED GLAZING IS REQUIRED.
2. SHUTTER SHALL BE INSTALLED IN A MANNER TO COMPLETELY COVER THE ENTIRE OPENING IN ALL DIRECTIONS. ON ANY SIDE OF AN OPENING, THE MAXIMUM SIDE CLEARANCE BETWEEN THE SCREEN AND A WALL OR INSET SURFACE SHALL BE 1/4". ANY DISTANCE IN EXCESS OF 1/4" SHALL REQUIRE END CLOSURE OR SCREEN OVERLAP OF A MINIMUM OF 1.5 TIMES THE SIDE CLEARANCE BETWEEN THE SCREEN AND WALL.
3. TRACKS MUST BE MOUNTED VERTICALLY
4. END RETENTION SCREEN SYSTEMS MAY USE MECHANICAL ROLL-UP ASSEMBLIES TO STORE SCREENS WITHIN A PROTECTIVE HOOD AND WEIGHTED BARS TO FACILITATE DEPLOYMENT.
5. END RETENTION TRACKS ARE SECURED TO SUBSTRATE PER ANCHOR SCHEDULE. SPAN IS THE DISTANCE BETWEEN OPPOSING ANCHORS.
6. A 5/8" ACCESS HOLE MAY BE MADE IN TRACK TO SECURE ANCHORS. ACCESS HOLE SHOULD BE COVERED WITH A CAP.

MAXIMUM SUPERIMPOSED LOADS ON HOST STRUCTURE PER LINEAR FOOT

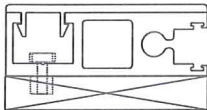


PLAN VIEW



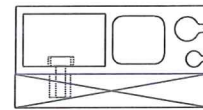
ANCHOR SCHEDULE END RETENTION SCREEN SYSTEM

TRACK 1



STORMWATCH END RETENTION SCREEN SYSTEM MAX SPAN 170" DESIGN PRESSURE +/- 76PSF

TRACK 2



	ANCHOR	MIN EMBED	MIN EDGE DIST	SPANS TO: 60"	SPANS TO: 72"	SPANS TO: 84"	SPANS TO: 96"	SPANS TO: 108"	SPANS TO: 120"	SPANS TO: 132"	SPANS TO: 144"	SPANS TO: 156"	SPANS TO: 170"
WOOD SG=0.55	1/4 x 4" LAG BOLT	2-1/2"	1-3/4"	5" O.C.	4" O.C.	4" O.C.	3" O.C.						
	3/8 x 4" LAG BOLT	2-1/2"	1-3/4"	7" O.C.	5" O.C.	5" O.C.	4" O.C.	3" O.C.					
CONCRETE 3000psi	5/16" TAPCON XL	2-1/4"	2-1/4"	12" O.C.	10" O.C.	9" O.C.	8" O.C.	7" O.C.	6" O.C.	6" O.C.	5" O.C.	5" O.C.	4" O.C.
	3/8" POWERS POWER BOLT	2-1/2"	4"	12" O.C.	12" O.C.	12" O.C.	11" O.C.	10" O.C.	9" O.C.	8" O.C.	7" O.C.	7" O.C.	6" O.C.
	3/8" POWERS POWER STUD	3"	4"	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	7" O.C.	7" O.C.	6" O.C.	6" O.C.
GROUT FILLED BLOCK	5/16" TAPCON XL	2-1/4"	4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	8" O.C.	7" O.C.	6" O.C.
	3/8" POWERS POWER STUD	3"	5-1/2"	10" O.C.	8" O.C.	7" O.C.	6" O.C.	5" O.C.	5" O.C.	4" O.C.			
HOLLO W BLOCK	5/16" TAPCON XL	1-3/4"	4"	5" O.C.	4" O.C.	3" O.C.							

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ANCHOR SCHEDULE CONNECTION TYPE A

STORMWATCH CLIP MAX SPAN 170" DESIGN PRESSURE +/- 76PSF OUTSIDE MOUNT

ANCHOR		MIN EMBED	MIN EDGE DIST	SPANS TO: 60"	SPANS TO: 72"	SPANS TO: 84"	SPANS TO: 96"	SPANS TO: 108"	SPANS TO: 120"	SPANS TO: 132"	SPANS TO: 144"	SPANS TO: 156"	SPANS TO: 170"
WOOD SG=0.55	1/4"ELCO PANELMATE MALE OR FEMALE	1-7/8"	3/4"	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.				
	1/4"ELCO PANELMATE MALE OR FEMALE	1-1/2"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.	6" O.C.
	1/4" SAMMY SUPER SCREW SSW	1-1/2"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.	6" O.C.
	1/4" LAG BOLT	3"	1-3/4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.	6" O.C.
	3/8" LAG BOLT	3"	1-3/4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	8" O.C.
	3/8" HANGER BOLT	3"	1-3/4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	8" O.C.

CONCRETE 3323 psi	1/4"ELCO PANELMATE MALE	2"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	9" O.C.
	1/4"ELCO PANELMATE FEMALE	1-3/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.	6" O.C.
	1/4" ELCO PANELMATE INSERT	1-5/8"	4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	9" O.C.	9" O.C.
	1/4" SAMMY SUPER SCREW SSC	2-1/4"	1-1/4"	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.	6" O.C.		
	1/4" SAMMY SUPER SCREW SSC	2-1/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.
	1/4" POWERS DROP-IN	1"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	9" O.C.	8" O.C.
	1/4-20 POWERS CALK-IN	7/8"	2"	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.				
	1/4-20 POWERS CALK-IN	7/8"	3"	12" O.C.	12" O.C.	10" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.		
	1/4" TAPCON SG	1-3/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.
	1/4" TAPCON	1-3/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	8" O.C.	6" O.C.	6" O.C.	6" O.C.	6" O.C.
	1/4" POWERS TAPPER	1-3/4"	3"	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.	6" O.C.	
	1/4" POWERS POWER BOLT	2-1/2"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.
	1/4" POWERS POWER STUD	1-1/2"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.	6" O.C.
	1/4" POWERS WEDGE-BOLT	2"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	9" O.C.
	5/16" TAPCON	2-1/4"	2-3/16"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8-16 POWERS CALK-IN	1-1/4"	4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8 POWERS DROP-IN	1-9/16"	2-5/8"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8" POWERS POWER BOLT	2-1/2"	4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8" POWERS POWER STUD	3"	4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8" POWERS WEDGE BOLT	2-1/2"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.

HOLLOW BLOCK 1500 psi	1/4"ELCO PANELMATE MALE	1-1/4"	3"	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.	6" O.C.		
	1/4"ELCO PANELMATE FEMALE	1-1/4"	3"	12" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.					
	1/4" ELCO PANELMATE INSERT	1-1/4"	1-3/4"	12" O.C.	10" O.C.	9" O.C.	6" O.C.	6" O.C.	6" O.C.				
	1/4" ELCO PANELMATE INSERT	1-1/4"	3-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	
	1/4" TAPCON SG	1-1/4"	2-1/2"	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.				
	1/4" TAPCON	1-1/4"	2-1/2"	12" O.C.	10" O.C.	6" O.C.	6" O.C.	6" O.C.					
	1/4-20 POWERS CALK-IN		3"	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.			

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STORMWATCH
HURRICANE SCREENS

Installation Instructions

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DRAWN BY: MICHAEL MURRAY

DRAWING NO: 2-12-002
NOT TO SCALE

6 of 9

ANCHOR SCHEDULE CONNECTION TYPE A

STORMWATCH CLIP

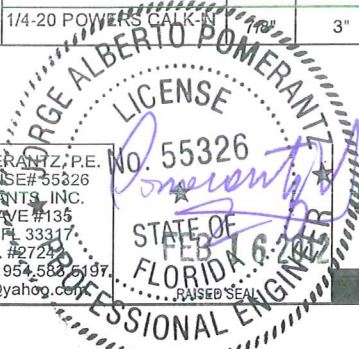
MAX SPAN 170" DESIGN PRESSURE +/- 76PSF INSIDE MOUNT

ANCHOR		MIN EMBED	MIN EDGE DIST	SPANS TO: 60"	SPANS TO: 72"	SPANS TO: 84"	SPANS TO: 96"	SPANS TO: 108"	SPANS TO: 120"	SPANS TO: 132"	SPANS TO: 144"	SPANS TO: 156"	SPANS TO: 170"
WOOD SG=0.55	1/4"ELCO PANELMATE MALE OR FEMALE	1-7/8"	3/4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	9" O.C.	8" O.C.	6" O.C.
	1/4"ELCO PANELMATE MALE OR FEMALE	1-1/2"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.
	1/4" SAMMY SUPER SCREW SSW	1-1/2"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.
	1/4" LAG BOLT	3"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.
	3/8" LAG BOLT	3"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8" HANGER BOLT	3"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8" LAG OR HANGER BOLT W/2"X3/16"	3"	3"	24" O.C.	24" O.C.	24" O.C.	24" O.C.	24" O.C.	24" O.C.				

CONCRETE 3323psi	1/4"ELCO PANELMATE MALE	2"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	9" O.C.
	1/4"ELCO PANELMATE FEMALE	1-3/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	9" O.C.
	1/4" ELCO PANELMATE INSERT	1-5/8"	4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	9" O.C.
	1/4" SAMMY SUPER SCREW SSC	2-1/4"	1-1/4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	9" O.C.	8" O.C.
	1/4" SAMMY SUPER SCREW SSC	2-1/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" POWERS DROP-IN	1"	3"	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.	6" O.C.	
	1/4-20 POWERS CALK-IN	7/8"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.	6" O.C.
	1/4-20 POWERS CALK-IN	7/8"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	9" O.C.	8" O.C.
	1/4" TAPCON SG	1-3/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.
	1/4" TAPCON	1-3/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	9" O.C.
	1/4" POWERS TAPPER	1-3/4"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.
	1/4" POWERS POWER BOLT	2-1/2"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	8" O.C.
	1/4" POWERS POWER STUD	1-1/2"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.
	1/4" POWERS WEDGE-BOLT	2"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	5/16" TAPCON	2-1/4"	2-3/16"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8-16 POWERS CALK-IN	1-1/4"	4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8 POWERS DROP-IN	1-9/16"	2-5/8"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8" POWERS POWER BOLT	2-1/2"	4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8" POWERS POWER STUD	3"	4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8" POWERS WEDGE BOLT	2-1/2"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.

HOLLOW BLOCK 1500 psi	1/4"ELCO PANELMATE MALE	1-1/4"	3"	12" O.C.	10" O.C.	9" O.C.	6" O.C.	6" O.C.	6" O.C.				
	1/4"ELCO PANELMATE FEMALE	1-1/4"	3"	12" O.C.	10" O.C.	9" O.C.	6" O.C.	6" O.C.	6" O.C.				
	1/4" ELCO PANELMATE INSERT	1-1/4"	1-3/4"	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.	6" O.C.	
	1/4" ELCO PANELMATE INSERT	1-1/4"	3-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	6" O.C.	
	1/4" TAPCON SG	1-1/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.	10" O.C.	9" O.C.	8" O.C.	6" O.C.	
	1/4" TAPCON	1-1/4"	2-1/2"	6" O.C.	6" O.C.	6" O.C.							
	1/4-20 POWERS CALK-IN	1"	3"	10" O.C.	8" O.C.	6" O.C.	6" O.C.						

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Installation Instructions

StormWatch Inc.
254 Talleyrand Ave
Jacksonville, FL 32202
Tel: 866.60.STORM
info@stormwatchinfo.com

DRAWN BY: MICHAEL MURRAY

DRAWING NO: 2-12-002
NOT TO SCALE

ANCHOR SCHEDULE CONNECTION TYPES A & B

STORMWATCH CLIP OR C-TRACK
MAX SPAN 102" DESIGN PRESSURE +/- 66.1PSF

ANCHOR	MIN EMBED	MIN EDGE DIST	SPANS TO: 60"	SPANS TO: 72"	SPANS TO: 84"	SPANS TO: 96"	SPANS TO: 102"
WOOD SG=0.55	1/4"ELCO PANELMATE MALE OR FEMALE	1-7/8"	3/4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4"ELCO PANELMATE MALE, FEMALE, OR INSERT	1-1/2"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" SAMMY SUPER SCREW SSW	1-1/2"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" LAG BOLT	3"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	3/8" LAG OR HANGER BOLT W/2"X3"X3/16" ALUM. ANGLE	3"	3"	24" O.C.	24" O.C.	24" O.C.	24" O.C.

CONCRETE 3323psi	1/4"ELCO PANELMATE MALE	2"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4"ELCO PANELMATE FEMALE	1-3/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" ELCO PANELMATE INSERT	1-5/8"	4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" SAMMY SUPER SCREW SSC	2-1/4"	1-1/4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" SAMMY SUPER SCREW SSC	2-1/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" POWERS DROP-IN	1"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4-20 POWERS CALK-IN	7/8"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4-20 POWERS CALK-IN	7/8"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" TAPCON SG	1-3/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" TAPCON	1-3/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" POWERS TAPPER	1-3/4"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" POWERS POWER BOLT	2-1/2"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" POWERS POWER STUD	1-1/2"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" POWERS WEDGE-BOLT	2"	2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.

HOLLOW BLOCK 1500 psi	1/4"ELCO PANELMATE MALE	1-1/4"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4"ELCO PANELMATE FEMALE	1-1/4"	3"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	10" O.C.
	1/4" ELCO PANELMATE INSERT	1-1/4"	1-3/4"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" ELCO PANELMATE INSERT	1-1/4"	3-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" TAPCON SG	1-1/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	1/4" TAPCON	1-1/4"	2-1/2"	12" O.C.	12" O.C.	9" O.C.	9" O.C.	8" O.C.
	1/4-20 POWERS CALK-IN	7/8"	3"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	9" O.C.

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DRAWN BY: MICHAEL MURRAY

DRAWING NO:
2-12-002
NOT TO SCALE

8 of 9

ANCHOR SCHEDULE CONNECTION TYPES C

DIRECT MOUNT GROMMET
MAX SPAN 102" DESIGN PRESSURE +/- 66.1PSF

	ANCHOR	MIN EMBED	MIN EDGE DIST	SPANS TO: 60"	SPANS TO: 72"	SPANS TO: 84"	SPANS TO: 96"	SPANS TO: 102"
WOOD SG=0.55	1/4"ELCO PANELMATE MALE OR FEMALE	1-7/8"	3/4"	10" O.C.	10" O.C.	8" O.C.	8" O.C.	8" O.C.
	1/4"ELCO PANELMATE MALE, FEMALE, INSERT	1-1/2"	2"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4" SAMMY SUPER SCREW SSW	1-1/2"	2"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4" LAG BOLT	3"	2"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	3/8" LAG OR HANGER BOLT W/2"X3"X3/16" ALUM. ANGLE	3"	3"	24" O.C.	24" O.C.	24" O.C.	24" O.C.	24" O.C.

CONCRETE 3323psi	1/4"ELCO PANELMATE MALE	2"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4"ELCO PANELMATE FEMALE	1-3/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4" ELCO PANELMATE INSERT	1-5/8"	4"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4" SAMMY SUPER SCREW SSC	2-1/4"	1-1/4"	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.
	1/4" SAMMY SUPER SCREW SSC	2-1/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4" POWERS DROP-IN	1"	3"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4-20 POWERS CALK-IN	7/8"	2"	10" O.C.	10" O.C.	9" O.C.	8" O.C.	8" O.C.
	1/4-20 POWERS CALK-IN	7/8"	3"	12" O.C.	12" O.C.	10" O.C.	9" O.C.	8" O.C.
	1/4" TAPCON SG	1-3/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4" TAPCON	1-3/4"	2-1/2"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4" POWERS TAPPER	1-3/4"	3"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4" POWERS POWER BOLT	2-1/2"	3"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4" POWERS POWER STUD	1-1/2"	3"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4" POWERS WEDGE-BOLT	2"	2"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.

HOLLOW BLOCK 1500 psi	1/4"ELCO PANELMATE MALE	1-1/4"	3"	12" O.C.	12" O.C.	10" O.C.	8" O.C.	8" O.C.
	1/4"ELCO PANELMATE FEMALE	1-1/4"	3"	9" O.C.	9" O.C.	9" O.C.	8" O.C.	8" O.C.
	1/4" ELCO PANELMATE INSERT	1-1/4"	1-3/4"	10" O.C.	10" O.C.	9" O.C.	8" O.C.	8" O.C.
	1/4" ELCO PANELMATE INSERT	1-1/4"	3-1/2"	12" O.C.	12" O.C.	12" O.C.	9" O.C.	8" O.C.
	1/4" TAPCON SG	1-1/4"	2-1/2"	9" O.C.	9" O.C.	9" O.C.	8" O.C.	8" O.C.
	1/4" TAPCON	1-1/4"	2-1/2"	9" O.C.	9" O.C.	9" O.C.	8" O.C.	8" O.C.
	1/4-20 POWERS CALK-IN	7/8"	3"	12" O.C.	12" O.C.	10" O.C.	8" O.C.	8" O.C.

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STORMWATCH
HURRICANE SCREENS

Installation Instructions

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info@stormwatchinfo.com

DRAWN BY: MICHAEL MURRAY

DRAWING NO:
2-12-002
NOT TO SCALE

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