

PRODUCT LABEL:
CUSTOM HURRICANE PRODUCTS
2024 58th Ave Circle East
Bradenton, FL 34203
THIS PRODUCT SHALL BE INSTALLED AND USED ONLY AS INTENDED PER THE INSTALLATION INSTRUCTIONS. THIS PRODUCT DOES NOT MEET ASTM D1929, ASTM E84, ASTM D2843, ASTM D635, AAMA 1600, OR ASTM G15, ASTM D2526, ASTM D256
FLORIDA BUILDING COMMISSION APPROVAL: FL#14110.1
TEST STANDARDS: TAS 201, TAS 202, TAS 203, ASTM E330
OPENING # _____
DO NOT REMOVE LABEL

GROMMET SPACING TABLE		
60 PSF		
W	SPACING	SHEAR REACTION
17'-8"	7" O.C.	309 #
16'-0"	7" O.C.	280 #
14'-0"	8" O.C.	280 #
12'-0"	10" O.C.	300 #
10'-0"	12" O.C.	300 #
8'-6"	14" O.C.	298 #
OR <		

NOTE: GROMMETS SHALL NOT BE USED IN TRAP MOUNT CONFIGURATIONS
LOADS ARE PER FASTENER

TYP. EXTERIOR ELEVATION

SCALE: N.T.S.

1

GENERAL NOTES:

1. CUSTOM HURRICANE PRODUCTS 'EZ-SCREENS MAX' HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH 2023 FLORIDA BUILDING CODE - 8TH EDITION CHAPTER 16 AND TAS 201, 202, AND 203 FOR LARGE MISSILE IMPACT, AND MEETS THE NON-POROUS REQUIREMENTS FOR OUTSIDE THE HIGH VELOCITY HURRICANE ZONES.
2. NO ALLOWABLE STRESS INCREASE HAS BEEN USED IN THE DESIGN OF THE EZ-SCREENS.
3. ADEQUACY OF EXISTING STRUCTURE SHALL BE DETERMINED BY OTHERS.
4. UNIT HEIGHT (DISTANCE BETWEEN SUPPORTED SIDES) SHOWN IS MAXIMUM ALLOWABLE WITHOUT SITE-SPECIFIC ENGINEERING. LENGTH IS UNLIMITED.
5. SCREEN FABRIC SHALL BE MIN. 20-MIL POLYPROPYLENE, WOVEN USING 138 POLYESTER THREAD, TANARA THREAD BY GORE WITH MIN. TENSILE BREAKING TEST STRENGTH OF 15 LBS.
6. GLAZING SEPARATION IS NOT REQUIRED OUTSIDE HVHZ, EXCEPT FOR WIND ZONE 4 AND ALL WIND ZONES FOR ESSENTIAL FACILITIES. SEE DEFLECTION AND SCREEN SEPARATION REQUIREMENTS FOR THESE ZONES ON SHEET 1. SCREEN FABRIC SHALL HAVE POROSITY <= 10%.
7. MOUNTING BRACKET SHALL BE FASTENED TO SUBSTRATE ACCORDING TO 'EZ-SCREEN' BRACKET TABLE AND FASTENER MANUFACTURER DIRECTIONS.
8. **MAX. ALLOWABLE DESIGN PRESSURES: +/- 60 PSF.**
9. SEE SHEET 3 FOR FABRIC SPECIFICATIONS.
10. THE PRODUCT SHALL BE LABELED IN ACCORDANCE WITH FBC - 1709.9.

NOTE:
-FASTENING OF SCREEN SHALL BE GROMMETS, STRAP & BUCKLE, STRAP & BRACKET, OR ANY COMBINATION. ONLY ONE TYPE OF CONNECTION IS PERMITTED PER SIDE.
-CONNECTION WRAPS OF SUPPORT POST ARE PERMITTED.
-ONLY BUCKLES CAN BE PLACED ON OPPOSITE SIDE ON ONE SIDE OF SCREEN TO ALLOW FOR EGRESS OF OPENING.

GLASS SEPARATION + SCREEN DEFLECTION TABLE W/O STORM BARS

W (CLEAR SPAN)	212"	192"	168"	144"	120"	102" or LESS
SEPARATION DISTANCES BETWEEN PROTECTED GLAZING AND SCREEN AT ZONE 4 AND ESSENTIAL BUILDINGS	33.1"	31"	28"	25"	22"	15"

SCREEN DEFLECTION TABLE W/ STORM BARS

W OR CLEAR SPAN	96"	84"	72"	60"	48"	36"	30"
TOTAL DEFLECTION OF SCREEN AND STORM BAR SYSTEM	*1.4"	*1.4"	*1.4"	*1.4"	*1.4"	*1.2"	*1"
SEPARATION DISTANCES BETWEEN PROTECTED GLAZING AND SCREEN AT ZONE 4 and ESSENTIAL BUILDINGS	5.1"	5.1"	5.1"	5.1"	5.1"	5.1"	5.1"

*TOTAL DEFLECTION OF THE SYSTEM FOR POSITIVE PRESSURES. GLASS SEPARATION OF 1" IS REQUIRED.

LOADS ON STRUCTURE		
60 PSF		
W	TENSION	SHEAR
17'-8"	1097 #/FT	531 #/FT
16'-0"	993 #/FT	480 #/FT
14'-0"	869 #/FT	420 #/FT
12'-0"	745 #/FT	360 #/FT
10'-0"	621 #/FT	300 #/FT
8'-6"	528 #/FT	255 #/FT
OR <		

NOTE: FOR LOADS ON STRUCTURES FOR WIND PRESSURES LESS THAN 60 PSF, VALUES IN THE TABLE MAYBE OBTAINED BY THE FOLLOWING FORMULA:

VALUE FROM TABLE X PRESSURE DESIRED/60 PSF

TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THESE PLANS COMPLIES WITH APPLICABLE MINIMUM BUILDING CODES.

KARINS
ENGINEERING
FL. Cert. of Auth. # 8371
1626 Ringling Boulevard, Suite 400
Sarasota, FL 34236
(941) 927-8525/ Fax (941) 927-8075
David G. Karins, PE
FL. Registration # 52677



CUSTOM HURRICANE PRODUCTS
2024 58TH AVE CIR E
BRADENTON FL 34203
WWW.CUSTOMHURRICANERODUCTS.COM

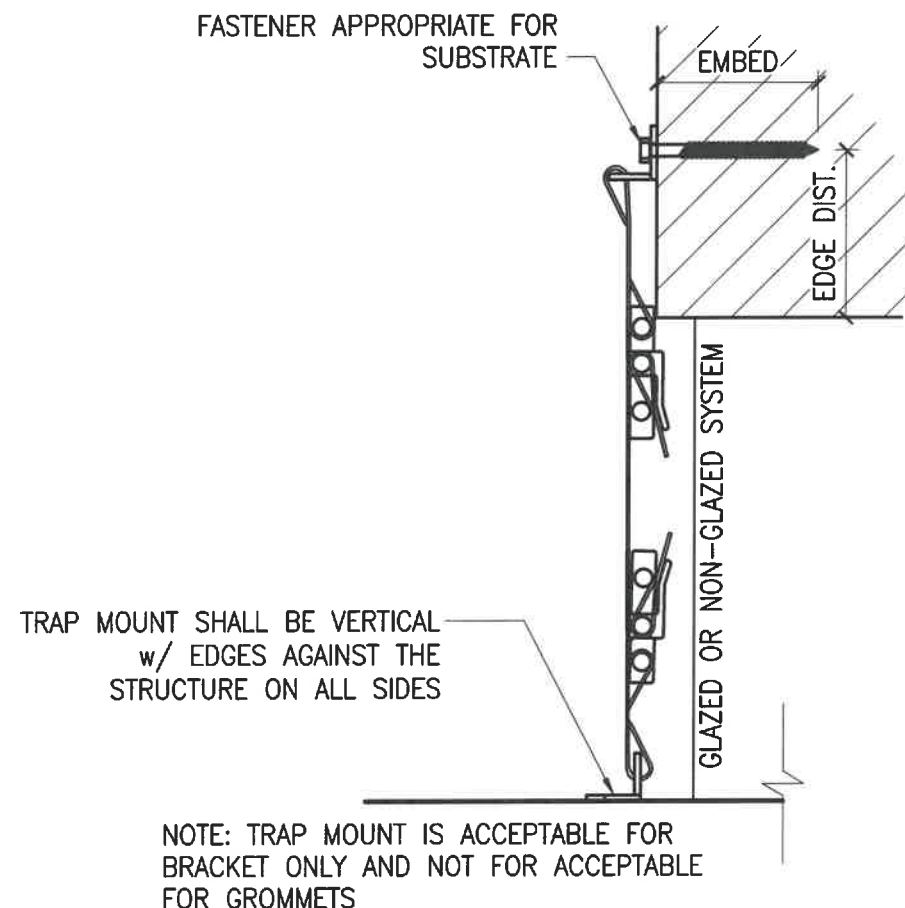
'EZ-SCREEN MAX'
POLYPROPYLENE SCREEN
HURRICANE SHUTTER
INSTALLATION INSTRUCTIONS

Sheet Description:

Drawn: CF
Checked: TB
KES File#: 20DP-0612
Scale: VARIES
Date: 09/11/2023

Sheet No.:

1



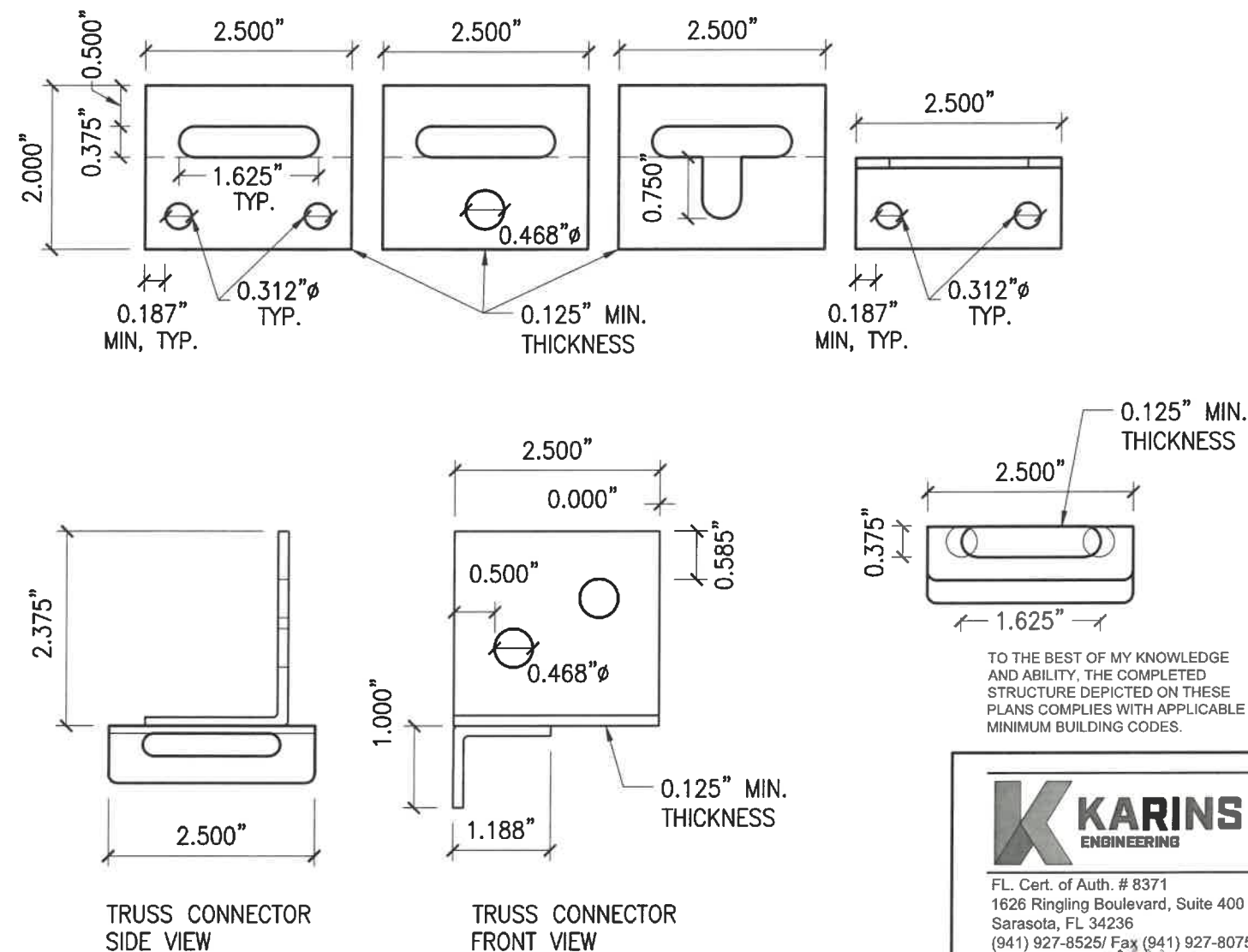
TRAP MOUNT

SCALE: 3"=1'-0"

2

GENERAL NOTES:

1. CUSTOM HURRICANE PRODUCTS 'EZ-SCREENS MAX' HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH 2023 FLORIDA BUILDING CODE - 8TH EDITION CHAPTER 16 AND TAS 201, 202, AND 203 FOR LARGE MISSILE IMPACT, AND MEETS THE NON-POROUS REQUIREMENTS FOR OUTSIDE THE HIGH VELOCITY HURRICANE ZONES.
2. NO ALLOWABLE STRESS INCREASE HAS BEEN USED IN THE DESIGN OF THE EZ-SCREENS.
3. ADEQUACY OF EXISTING STRUCTURE SHALL BE DETERMINED BY OTHERS.
4. UNIT HEIGHT (DISTANCE BETWEEN SUPPORTED SIDES) SHOWN IS MAXIMUM ALLOWABLE WITHOUT SITE-SPECIFIC ENGINEERING. LENGTH IS UNLIMITED.
5. SCREEN FABRIC SHALL BE MIN. 20-MIL POLYPROPYLENE, WOVEN USING 138 POLYESTER THREAD, TANARA THREAD BY GORE WITH MIN. TENSILE BREAKING TEST STRENGTH OF 15 LBS.
6. GLAZING SEPARATION IS NOT REQUIRED OUTSIDE HVHZ, EXCEPT FOR WIND ZONE 4 AND ALL WIND ZONES FOR ESSENTIAL FACILITIES. SEE DEFLECTION AND SCREEN SEPARATION REQUIREMENTS FOR THESE ZONES ON SHEET 1.
7. SCREEN FABRIC SHALL HAVE POROSITY <= 10%.
8. MAX. ALLOWABLE DESIGN PRESSURES: +/- 60 PSF.
9. SEE SHEET 3 FOR FABRIC SPECIFICATIONS.
10. THE PRODUCT SHALL BE LABELED IN ACCORDANCE WITH FBC - 1709.9.



MOUNTING SECTION

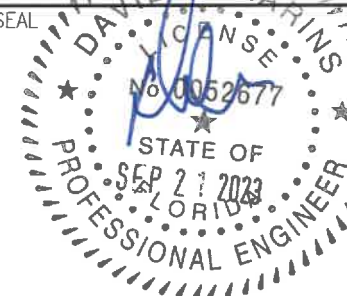
SCALE: 3"=1'-0"

1



FL. Cert. of Auth. # 8371
1626 Ringling Boulevard, Suite 400
Sarasota, FL 34236
(941) 927-8525/ Fax (941) 927-8075
David G. Karins, P.E.
FL. Registration # 52677

SEAL



CUSTOM HURRICANE PRODUCTS

2024 58TH AVE CIR E
BRADENTON FL 34203

WWW.CUSTOMHURRICANERODUCTS.COM

Project Name:

'EZ-SCREEN MAX'
POLYPROPYLENE SCREEN
HURRICANE SHUTTER
INSTALLATION INSTRUCTIONS

Sheet Description:

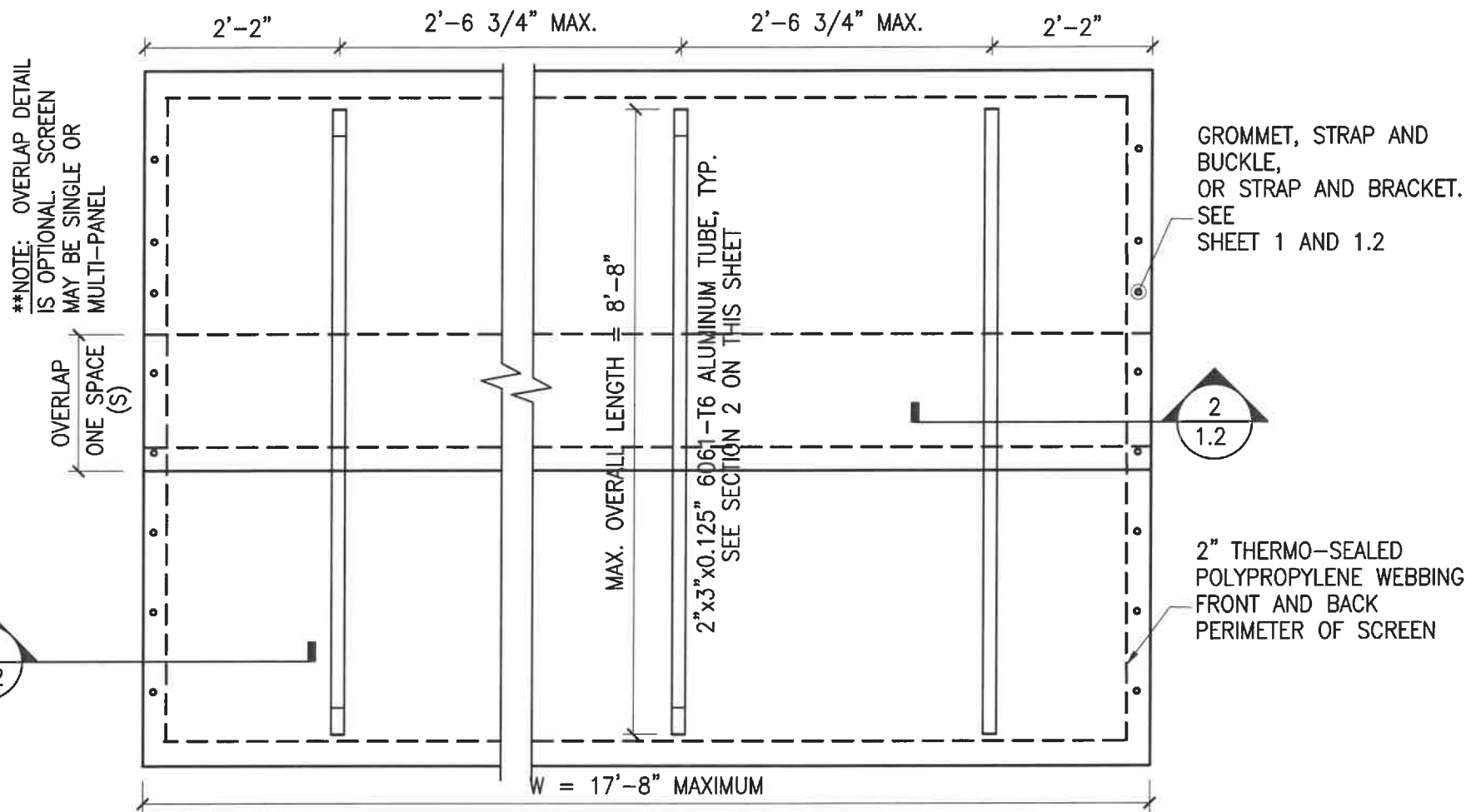
Drawn: CF
Checked: TB
KEG File#: 20DP-0612
Scale: VARIES
Date: 09/11/2023

Sheet No.:

1.3

GENERAL NOTES:

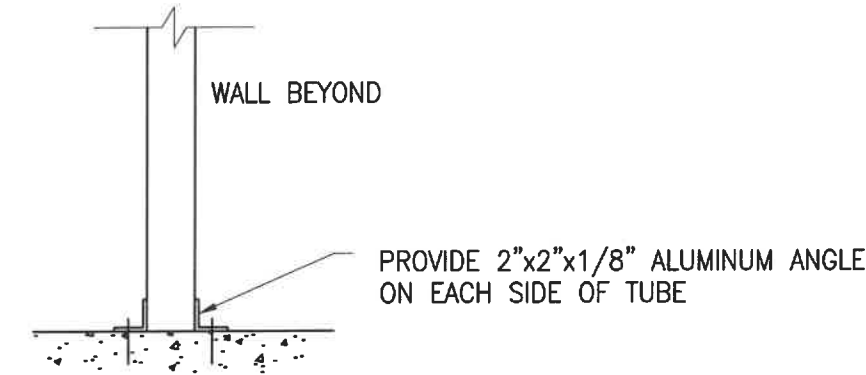
- 1. CUSTOM HURRICANE PRODUCTS 'EZ-SCREENS MAX' HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH 2023 FLORIDA BUILDING CODE - 8TH EDITION CHAPTER 16 AND TAS 201, 202, AND 203 FOR LARGE MISSILE IMPACT, AND MEETS THE NON-POROUS REQUIREMENTS FOR OUTSIDE THE HIGH VELOCITY HURRICANE ZONES.
- 2. NO ALLOWABLE STRESS INCREASE HAS BEEN USED IN THE DESIGN OF THE EZ-SCREENS.
- 3. ADEQUACY OF EXISTING STRUCTURE SHALL BE DETERMINED BY OTHERS.
- 4. UNIT HEIGHT (DISTANCE BETWEEN SUPPORTED SIDES) SHOWN IS MAXIMUM ALLOWABLE WITHOUT SITE-SPECIFIC ENGINEERING. LENGTH IS UNLIMITED.
- 5. SCREEN FABRIC SHALL BE MIN. 20-MIL POLYPROPYLENE, WOVEN USING 138 POLYESTER THREAD, TANARA THREAD BY GORE WITH MIN. TENSILE BREAKING TEST STRENGTH OF 15 LBS.
- 6. GLAZING SEPARATION IS NOT REQUIRED OUTSIDE HVHZ, EXCEPT FOR WIND ZONE 4 AND ALL WIND ZONES FOR ESSENTIAL FACILITIES. SEE DEFLECTION AND SCREEN SEPARATION REQUIREMENTS FOR THESE ZONES ON SHEET 1.
- 7. SCREEN FABRIC SHALL HAVE POROSITY <= 10%.
- 8. MOUNTING BRACKET SHALL BE FASTENED TO SUBSTRATE ACCORDING TO 'EZ-SCREEN' BRACKET TABLE AND FASTENER MANUFACTURER DIRECTIONS.
- 8. MAX. ALLOWABLE DESIGN PRESSURES: +/- 60 PSF.
- 9. SEE SHEET 3 FOR FABRIC SPECIFICATIONS.
- 10. THE PRODUCT SHALL BE LABELED IN ACCORDANCE WITH FBC - 1709.9.



STORM-BAR ELEVATION

SCALE: N.T.S.

1



ATTACHMENT OF TUBE TO ANGLE: SHALL BE CONNECTED WITH (2) #8x1-1/2" PAN HEAD SELF DRILLING SCREWS
ATTACHMENT OF ANGLE TO WOOD OR CONCRETE: SHALL BE 1/2"Ø x 2-1/8" ANCHOR INSERT WITH (1) 1/4"Ø x 1-1/4" TRUSS HEAD MACHINE SCREW
NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ISOLATING DISSIMILAR METALS

GROUND MOUNT DETAIL

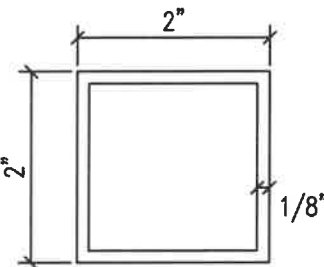
SCALE: N.T.S.

5

STORM-BAR RISER DIE (OPTIONAL)

SCALE: 1" = 1"

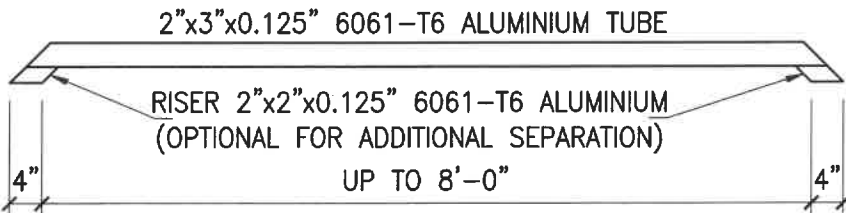
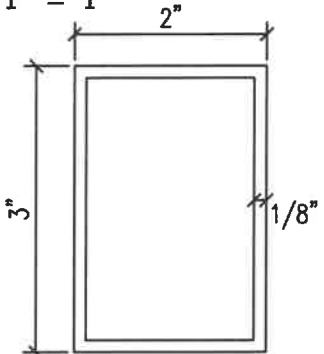
3



STORM-BAR BAR DIE

SCALE: 1" = 1"

4



ATTACHMENT OF TUBE TO RISER: SHALL BE CONNECTED WITH (2) #8x1-1/2" PAN HEAD SELF DRILLING SCREWS AND EPOXY
ATTACHMENT OF TUBE OR RISER TO STRUCTURE: SHALL BE 1/2"Ø x 2-1/8" ANCHOR INSERT WITH (1) 1/4"Ø x 1-1/4" TRUSS HEAD MACHINE SCREW
NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ISOLATING DISSIMILAR METALS

STORM-BAR SIDE VIEW

SCALE: N.T.S.

2

TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THESE PLANS COMPLIES WITH APPLICABLE MINIMUM BUILDING CODES.



FL. Cert. of Auth. # 8371
1626 Ringling Boulevard, Suite 400
Sarasota, FL 34236
(941) 927-8525/ Fax (941) 927-8075
David G. Karins, PE
FL. Registration # 52677



CUSTOM HURRICANE PRODUCTS

2024 58TH AVE CIR E
BRADENTON FL 34203
WWW.CUSTOMHURRICANERODUCTS.COM

Project Name:

'EZ-SCREEN MAX'
POLYPROPYLENE SCREEN
HURRICANE SHUTTER
WITH STORM BARS
INSTALLATION INSTRUCTIONS

Sheet Description:

Drawn: CF
Checked: TB
KES File#: 20DP-0612
Scale: VARIES
Date: 09/11/2023

Sheet No.:

1.4