



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Storm Smart, Inc.
2830 Winkler Avenue suite 105
Fort Myers, FL 33916

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Storm Catcher" Wind Abatement System

APPROVAL DOCUMENT: Drawing No. 17-4022, titled "Storm Catcher Wind Abatement System", prepared by Engineering Express, last revision dated April 08, 2019, sheets 1 through 10 of 10, signed and sealed by Frank L. Bennardo, P.E., on April 08, 2019, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA #17-0320.01 and consists of this page 1, evidence submitted pages E1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



Helmy A. Makar
06/20/2019

NOA No. 19-0411.01
Expiration Date: 07/04/2024
Approval Date: 06/20/2019

Storm Smart, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #14-0207.01

A. DRAWINGS

1. *Drawing No. 14-1249, titled "Storm Catcher Wind Abatement System ", prepared by Engineering Express, last revision dated June 25, 2014, sheets 1 through 10 of 10, signed and sealed by Frank L. Bennardo, P.E., on June 25, 2014.*

B. TESTS

1. *Fenestration Testing Laboratory, Inc. Report No. 7561, dated 10/28/2013, signed and Sealed by Marlin D. Brinson, P.E., for Testing Standards TAS 201, TAS 202 and TAS 203.*
1. *Fenestration Testing Laboratory, Inc. Report No. 7812, dated 05/08/2014, signed and Sealed by Idalmis Ortega, P.E., for Testing Standards TAS 201, TAS 202 and TAS 203.*

C. CALCULATIONS

1. *Structural calculations and design for Wind Abatement System, 37 pages, prepared by Engineering Express, dated 10/31/13, signed and sealed by Frank L. Bennardo, P.E.*
2. *Structural calculations and design for Wind Abatement System, 29 pages, prepared by Engineering Express, dated 02/11/14, signed and sealed by Frank L. Bennardo, P.E.*
3. *Structural calculations and design for Wind Abatement System, 43 pages, prepared by Engineering Express, dated 05/14/14, signed and sealed by Frank L. Bennardo, P.E.*
4. *Structural calculations and design for Wind Abatement System, 6 pages, prepared by Engineering Express, dated 06/06/14, signed and sealed by Frank L. Bennardo, P.E.*

D. QUALITY ASSURANCE

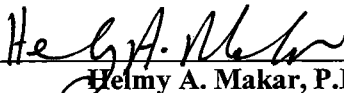
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *Fenestration Testing Laboratory, Inc. Report No. 7790, revise on 05/21/2014, signed and Sealed by Idalmis Ortega, P.E., for Testing Standards ASTM D635-10, D1929-10, D2843-10.*
1. *Fenestration Testing Laboratory, Inc. Report No. 7589, dated 10/30/2013, signed and Sealed by Marlin D. Brinson, P.E., for Testing Standards ASTM D635-10, D1929-10, D2843-10.*

F. STATEMENTS

1. *None.*

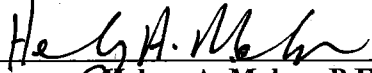


Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 19-0411.01
Expiration Date: 07/04/2024
Approval Date: 06/20/2019

Storm Smart, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

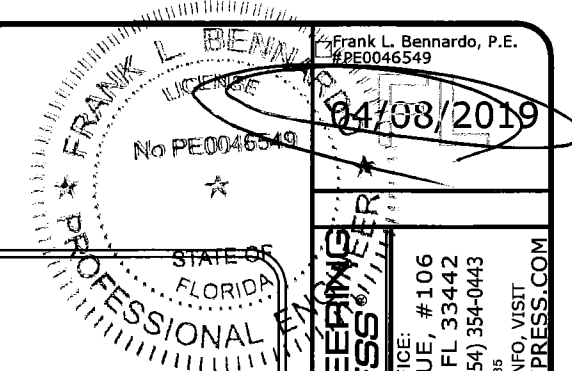
- 2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #17-0320.01**
 - A. DRAWINGS**
 1. *Drawing No. 17-4022, titled "Storm Catcher Wind Abatement System", prepared by Engineering Express, last revision dated February 17, 2017, sheets 1 through 10 of 10, signed and sealed by Frank L. Bennardo, P.E., on March 10, 2017*
 - B. TESTS**
 1. *None.*
 - C. CALCULATIONS**
 1. *None.*
 - D. QUALITY ASSURANCE**
 1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
 - E. MATERIAL CERTIFICATIONS**
 1. *None.*
 - F. STATEMENTS**
 1. *None.*
- 3. NEW EVIDENCE SUBMITTED**
 - A. DRAWINGS**
 1. *Drawing No. 17-4022, titled "Storm Catcher Wind Abatement System", prepared by Engineering Express, last revision dated April 08, 2019, sheets 1 through 10 of 10, signed and sealed by Frank L. Bennardo, P.E., on April 08, 2019.*
 - B. TESTS**
 1. *None.*
 - C. CALCULATIONS**
 1. *None.*
 - D. QUALITY ASSURANCE**
 1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
 - E. MATERIAL CERTIFICATIONS**
 1. *None.*
 - F. STATEMENTS**
 1. *FBC, 2017 Edition Compliance letter issued by Engineering Express, dated April 08, 2019, signed and sealed by Frank L. Bennardo, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 19-0411.01
Expiration Date: 07/04/2024
Approval Date: 06/20/2019

STORM SMART, INC.

STORM CATCHER WIND ABATEMENT SYSTEM



MAXIMUM ALLOWABLE DESIGN PRESSURES:

AS NOTED IN SCHEDULES

DESIGN NOTES:

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 WIND LOAD REQUIREMENTS SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7 AND THE FLORIDA BUILDING CODE SIXTH EDITION (2017) BY SEPARATE ENGINEERING CERTIFICATION AND SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUE LISTED HEREIN FOR ANY ASSEMBLY WITHIN THE LIMITATIONS STATED HEREIN.

GENERAL NOTES:

- THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SIXTH EDITION (2017), FOR USE WITHIN THE HIGH VELOCITY HURRICANE ZONE PER TAS 201/202/203 PER TEST REPORT FTL-7561 & FTL-7812 BY FENESTRATION TESTING LABORATORY.
- THIS PRODUCT MAY BE INSTALLED WITHIN AND OUTSIDE OF THE HIGH VELOCITY HURRICANE ZONE.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR. SCREENS HAVE BEEN DESIGNED WITH A TOTAL 2" PRE-LOAD SLACK.
- 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.
- PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS.
- UNLESS OTHERWISE NOTED HEREIN, ALL CARBON STEEL ANCHORS SHALL BE SAE GRADE 5 OR BETTER. STAINLESS STEEL ANCHORS SHALL BE 304 OR 316 STAINLESS STEEL.
- MAXIMUM ALLOWABLE NON-FIRE RATED FABRIC PANEL SPAN (PER DESIGN SCHEDULES): 18'-0". MAXIMUM ALLOWABLE FIRE RATED FABRIC PANEL SPAN (PER DESIGN SCHEDULES): 18'-0".
- SCREEN MAY BE MOUNTED WITH OPPOSING PRIMARY ANCHORED PERIMETERS (SPAN) IN A VERTICAL, HORIZONTAL, OR ANY ALIGNMENT APPROPRIATE TO THE STRUCTURE BEING PROTECTED.
- IF THE SCREEN DOES NOT RETURN TO THE STRUCTURE, IT SHOULD EXTEND PAST PROTECTED OPENING BY A DISTANCE EQUAL TO OR GREATER THAN 1.5 TIMES THE OFFSET. FOR TRAPPED OPENINGS THE SCREEN SHOULD EXTEND COMPLETE PERIMETER OF THE OPENING.
- THE SCREENS MAY BE INSTALLED AT ANY HEIGHT ON THE STRUCTURE AS LONG AS THE DESIGN PRESSURE RATING FOR THE SCREENS IS NOT EXCEEDED.
- ANCHORS ON THE NON-PRIMARY PERIMETER SIDE (NON-SPAN SIDE) OF THE SCREEN ARE OPTIONAL (e.g. TO LIMIT POTENTIAL SAG IN THE SCREEN OR REDUCE MOVEMENT ON THE FREE SIDE OR OTHER SITE SPECIFIC REASONS).
- MAXIMUM ALLOWABLE DESIGN PRESSURE (SEE DESIGN SCHEDULES FOR APPLICABLE PANEL SPANS AT VARYING PRESSURES): +130/-130 PSF.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- ENGINEER SEAL AFFIXED HERE TO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- ALTERATIONS, ADDITIONS OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER PANEL CONTAINING THE FOLLOWING. PANEL LABELS SHALL INDICATE IF THE FABRIC IS "FIRE RATED" OR "NON-FIRE RATED FABRIC (ILLUSTRATED BELOW):

STORM SMART, INC.
6182 IDLEWILD STREET
FORT MYERS, FL 33966
239-938-1000
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
[THIS APPROVAL #] PER TAS-201, TAS-202, AND TAS-203
FIRE RATING: **FIRE RATED** FABRIC

STORM SMART, INC.
6182 IDLEWILD STREET
FORT MYERS, FL 33966
239-938-1000
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
[THIS APPROVAL #] PER TAS-201, TAS-202, AND TAS-203
FIRE RATING: **NON-FIRE RATED** FABRIC



FIRE RATING VS. NON-FIRE RATING DESIGN TABLE:

STITCHING THREAD TYPE	FIRE RATED FABRIC		NON-FIRE RATED FABRIC	
	SOLAR FIX PTFE	138 DENIER POLYESTER	SOLAR FIX PTFE	138 DENIER POLYESTER
MAX ALLOWABLE DESIGN PRESSURE (PSF)	+90/-90	+90/-90	+130/-130	+60/-60
MAX ALLOWABLE FABRIC SPAN	15'-10"	18'-0"	15'-10"	26'-0"

- FIRE RATED FABRIC SHALL BE 100% POLYPROPYLENE TENCATE BLACK HURRICANE BARRIER WITH FIRE RATED ADDITIVE AND 3/6 BASKET WEAVE (20 MIL STRAND). ONLY FIRE RATED FABRIC CAN BE ATTACHED TO THE BUILDING PERMANENTLY.
- NON FIRE RATED FABRIC SHALL BE 100% POLYPROPYLENE TENCATE BLACK HURRICANE BARRIER WITH 3/4 BASKET WEAVE (20 MIL STRAND). NON FIRE RATED FABRIC MUST BE REMOVED AFTER HIGH WIND EVENTS AND STORED IN A SAFE PLACE.

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 19-0411-01
Expiration Date 07/04/2024
By *Heidi A. Miller*
Miami Dade Product Control

PRODUCT NOTES:

THE STORM CATCHER SCREEN SHALL BE MANUFACTURED FROM 100% WOVEN POLYPROPYLENE MONOFILAMENT WITH CALENDARED FINISH AND SHALL CONFORM TO THE FOLLOWING MECHANICAL/PHYSICAL PROPERTIES:

	TEST SPECIFICATION	NON-FIRE RATED VALUE	FIRE RATED VALUE
GRAB TEXTILE STRENGTH	ASTM D4632	560 x 550 LBS	560 x 500 LBS
PUNCTURE STRENGTH	ASTM D4833	200 LBS	200 LBS
MULLEN BURST	ASTM D3786	750 PSI	750 PSI
TRAPEZOIDAL TEAR STRENGTH	ASTM D4533	250 x 250 LBS	250 x 250 LBS
PERCENTAGE OF OPEN AREA	COE-02215	5%	5%
AIR FLOW	ASTM D737	175 CFM	175 CFM
WEIGHT	ASTM D5261	9.7 oz/yd ²	9.07 oz/yd ²
THICKNESS / CONSTRUCTION	ASTM D5199	20 MIL (60X63 EPI/PP1)	20 MIL (60X63 EPI/PP1)
SELF-IGNITION TEMP.	ASTM D1929		695° F
RATE OF BURNING	ASTM D635		2.43 IN/MIN
AVERAGE TIME OF BURN	ASTM D635	NOT APPLICABLE	52 SEC
AVERAGE EXTENT OF BURN	ASTM D635		75 MM
SMOKE DENSITY	ASTM D2843		23.10

SEWING (SEE SEWING DETAILS ON SHEET 7):

BUCKLE/STRAP EDGES: (3) EQUALLY SPACED ROWS OF STRAIGHT STITCH ACROSS A 3.580" WIDE BUCKLE HEM, (1) AT 0.375" FROM EACH EDGE AND INTERMEDIATE STITCHES AT APPROX. 1.415". (3) EQUALLY SPACED ROWS OF STRAIGHT STITCH ACROSS A 3.730" WIDE STRAP HEM, (1) AT 0.375" FROM EACH EDGE AND INTERMEDIATE STITCHES AT APPROX. 1.490". UTILIZE ALLOWABLE THREADS REFERENCED HEREIN.

LOOP ATTACHMENT EDGES: (4) EQUALLY SPACED ROWS OF STRAIGHT STITCH ACROSS A 3.770" WIDE HEM. UTILIZE (1) STITCH AT 0.375" FROM EDGES AND INTERMEDIATE STITCHES AT APPROXIMATELY 1" O.C.. UTILIZE ALLOWABLE THREADS REFERENCED HEREIN.

SLIDE-SCREEN RAIL EDGE: (3) EQUALLY SPACED ROWS OF STRAIGHT STITCH SECURING NYLON LUFT TAPE WITH 0.25" MINIMUM SPACING BETWEEN ROWS & (1) ROW ALONG RIGHT SIDE OF HEM LOCATED 0.375" FROM EDGE (TOTAL HEM WIDTH 3.610"). UTILIZE ALLOWABLE THREADS REFERENCED HEREIN.

PANEL EDGE HEM: (1) ROW OF STRAIGHT STITCH EACH SIDE OF A 2.130" WIDE HEM WITH STITCHES LOCATED 0.375" FROM EDGES USING ALLOWABLE THREADS REFERENCED HEREIN.

100% POLYESTER STRAP: BUCKLE:AMCEL KP20 BRACKET:

WIDTH: 1.90" (+/- 0.10")
THICKNESS: 0.0465" (+/- 0.035")
AVERAGE BREAK STRENGTH: 6000LB
WEIGHT: 11.9 LBS PER 100 YARDS

PATTERN: SPIKE TEETH GRIP
WIDTH/DIAMETER: 2.50 (+/- 0.10)
MATERIAL: ACETAL COPOLYMER

PATTERN: BENT PLATE
DIMENSIONS: 2.78"x2.967"x0.125"
HOLE SIZE: 0.50"Ø
MATERIAL: 304 STAINLESS STEEL

PATTERN: METALLIC STRAP BRACKET
DIMENSIONS: 4.00"x0.75"x0.100"
HOLE SIZE: 0.310"Ø
MATERIAL: 304 STAINLESS STEEL

STORM SMART, INC.
6182 IDLEWILD STREET
FORT MYERS, FL 33966
(888) 962-7283

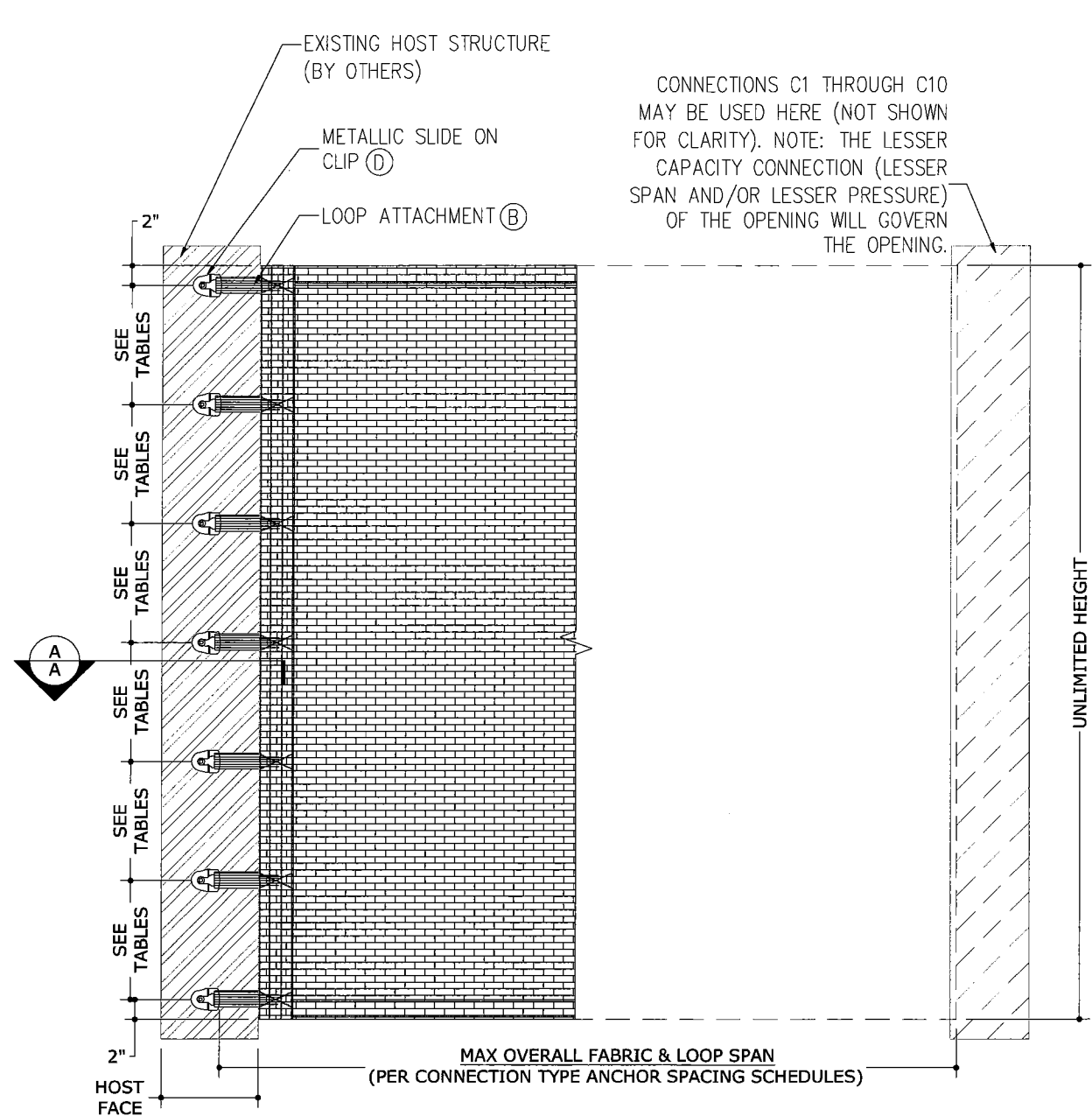
STORM CATCHER
WIND ABATEMENT SYSTEM
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE

DRWN	CHKD	DATE
CSL	TSB	03-10-14
CSL	TSB	05-14-14
CSL	TSB	06-08-14
CSL	TSB	06-08-14
TSB	FLB	6-25-14
RWN	FLB	2-17-17
RWN	FLB	4-08-19

17-4022

SCALE: SEE DETAILS
PAGE DESCRIPTION:

04/08/2019 - 10:33am rickr V:\projects\17-4022 Storm Catcher (NOA) - 14-0207.01\WP17-4022b Storm Catcher (NOA).dwg

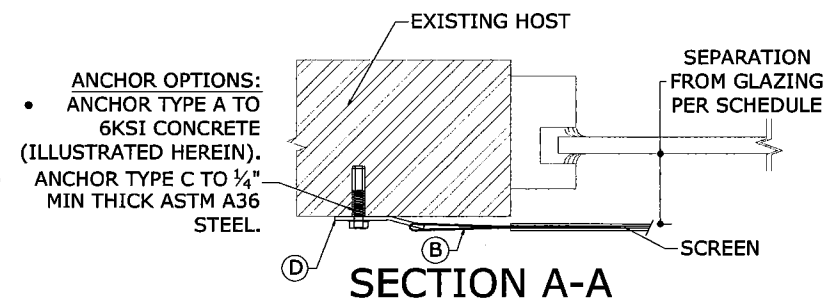


CONNECTIONS C1 THROUGH C10 MAY BE USED HERE (NOT SHOWN FOR CLARITY). NOTE: THE LESSER CAPACITY CONNECTION (LESSER SPAN AND/OR LESSER PRESSURE) OF THE OPENING WILL GOVERN THE OPENING.

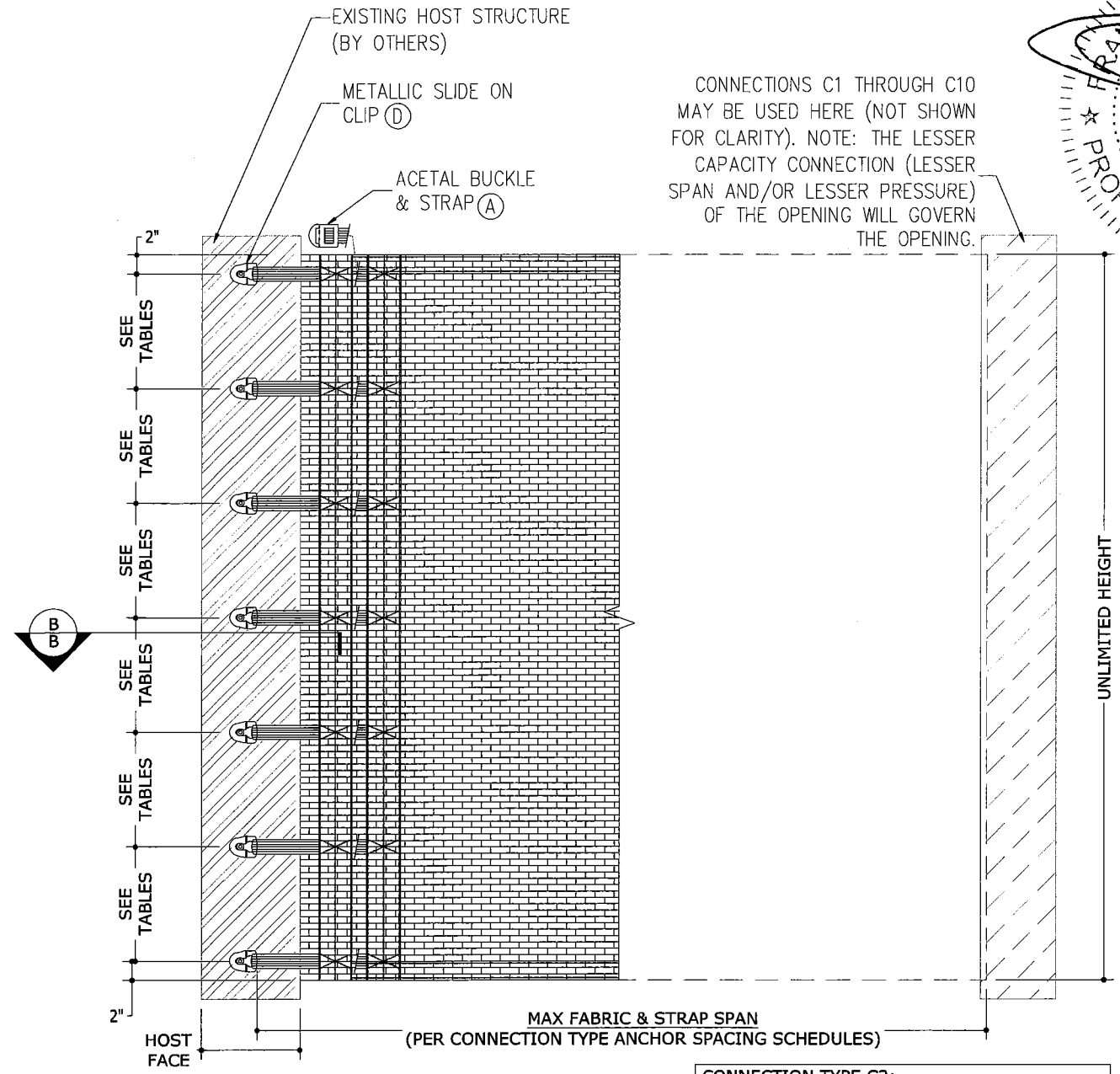
1
2 CONNECTION TYPE C1
FACE-MOUNT

1/16" = 1'-0" ELEVATION

CONNECTION TYPE C1:
LOOP ATTACHMENT WITH METALLIC SLIDE ON CLIP ATTACHED AS A FACE MOUNT TO THE EXISTING HOST STRUCTURE. SEE DESIGN SCHEDULES FOR METALLIC SLIDE ON CLIP SPACING



SECTION A-A

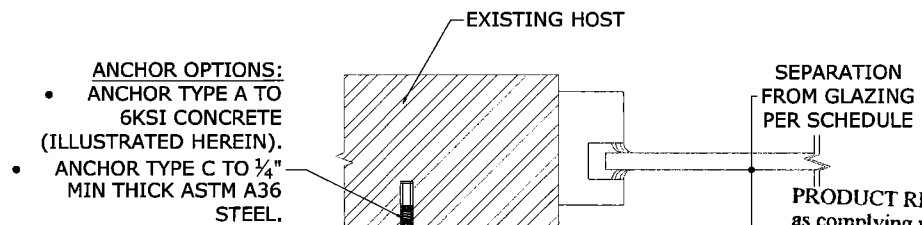


CONNECTIONS C1 THROUGH C10 MAY BE USED HERE (NOT SHOWN FOR CLARITY). NOTE: THE LESSER CAPACITY CONNECTION (LESSER SPAN AND/OR LESSER PRESSURE) OF THE OPENING WILL GOVERN THE OPENING.

2
2 CONNECTION TYPE C2
FACE-MOUNT

1/16" = 1'-0" ELEVATION

CONNECTION TYPE C2:
STRAP ATTACHMENT WITH ACETAL BUCKLE AND METALLIC SLIDE ON CLIP ATTACHED AS A FACE MOUNT TO THE EXISTING HOST STRUCTURE. SEE DESIGN SCHEDULES FOR METALLIC SLIDE ON CLIP SPACING



SECTION B-B

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 19-0411.01
Expiration Date 07/04/2024
By *[Signature]*
Miami Dade Product Control

Frank B. Benardo, P.E.
A.E. 00046549
04/08/2019
No PE0046549

FRANK B. BENARDO
PROFESSIONAL ENGINEER

ENGINEERING EXPRESS
STATE OF FLORIDA
CORPORATE OFFICE: # 606
160 SW 12th AVENUE, FL 33471
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0443
CERT OF AUTH #8885
FOR BRANCH LOCATION INFO, VISIT
WWW.ENGINEERINGEXPRESS.COM

STORM SMART, INC.
6182 IDLEWILD STREET
FORT MYERS, FL 33966
(888) 962-7283

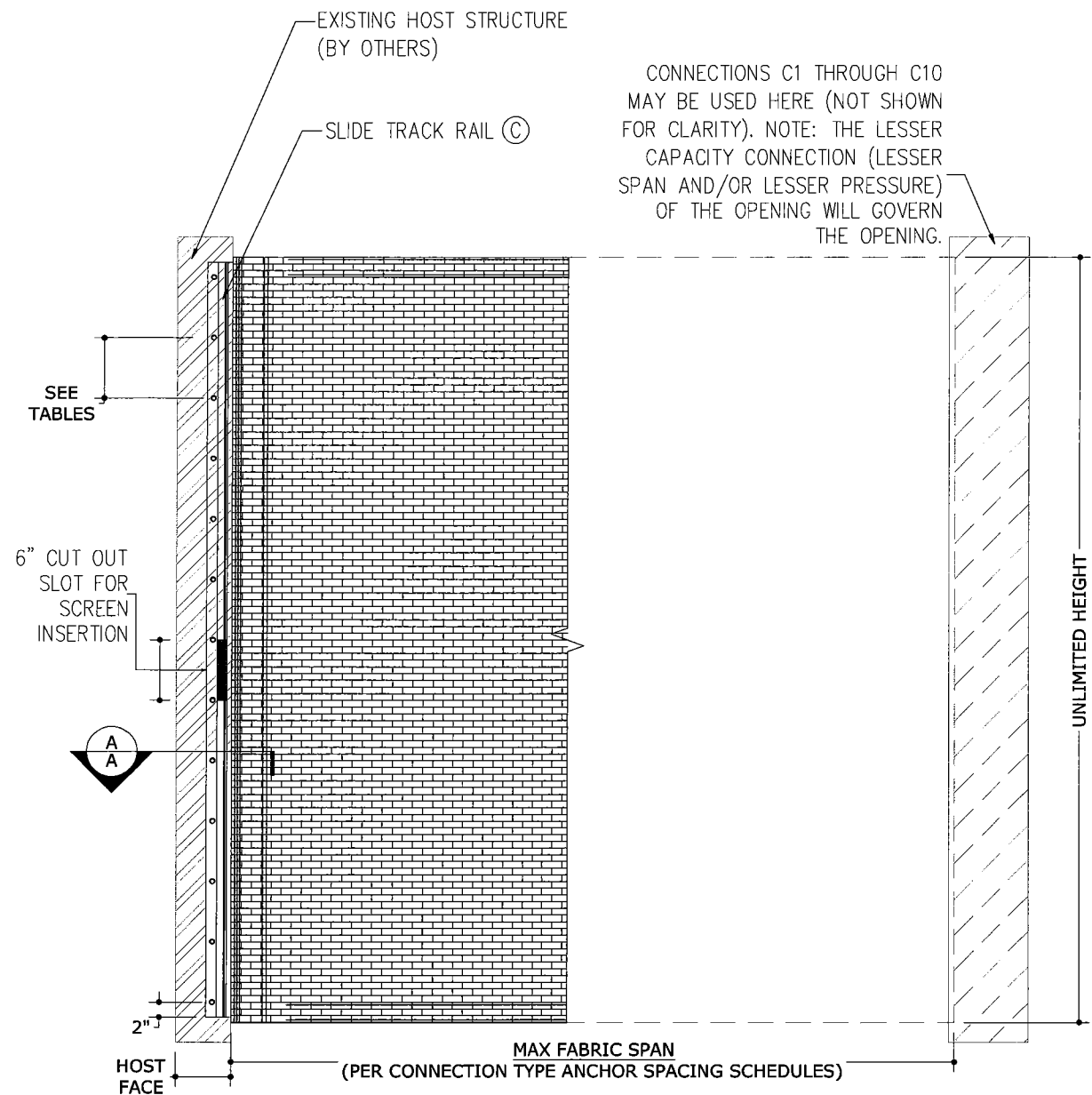
STORM CATCHER
WIND ABATEMENT SYSTEM
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE

DRWN	CHKD	DATE
CSL	TSB	03-10-14
CSL	TSB	05-14-14
CSL	TSB	06-06-14
TSB	FLB	6-25-14
RWN	FLB	2-17-17
RWN	FLB	4-08-19

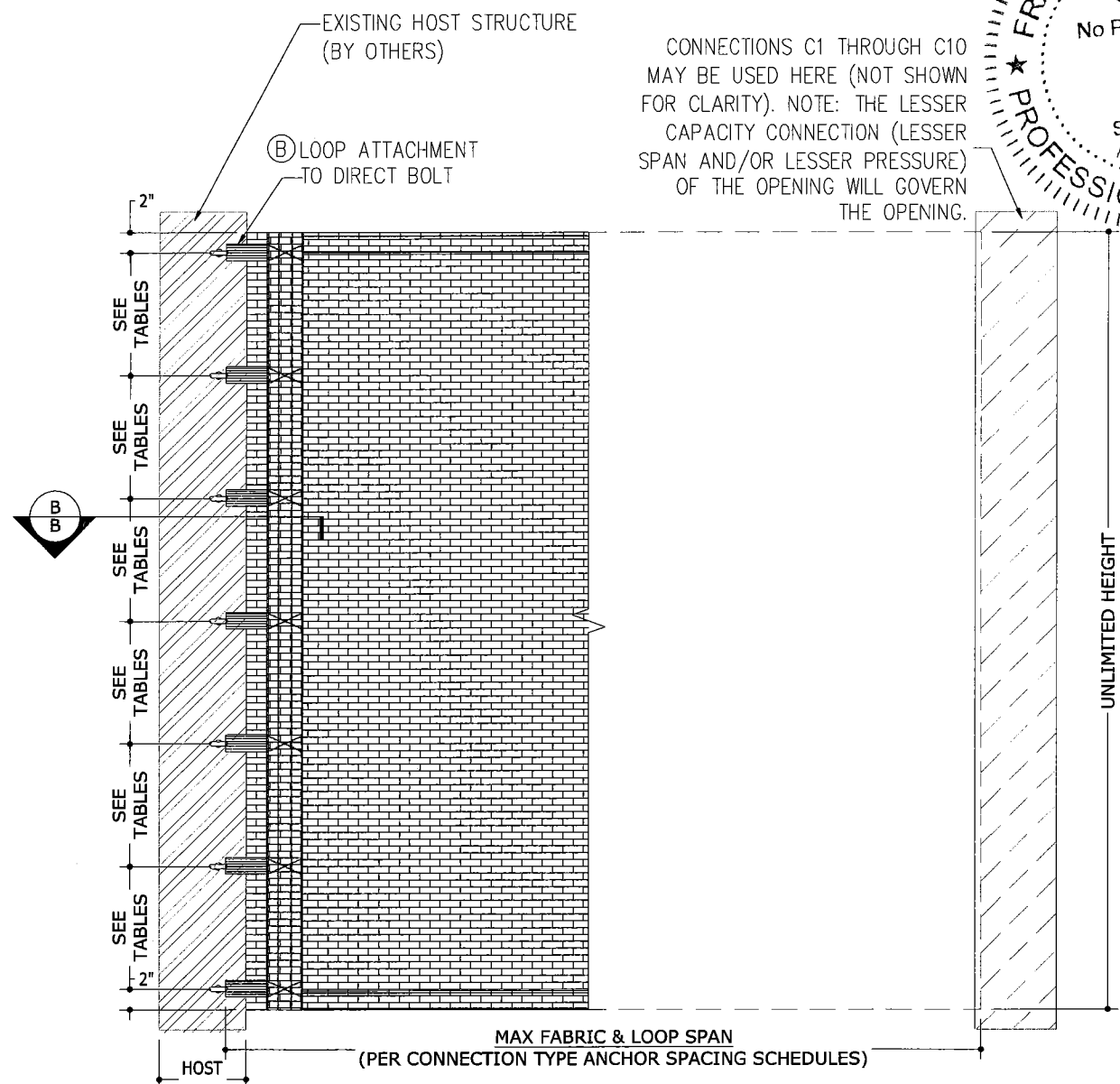
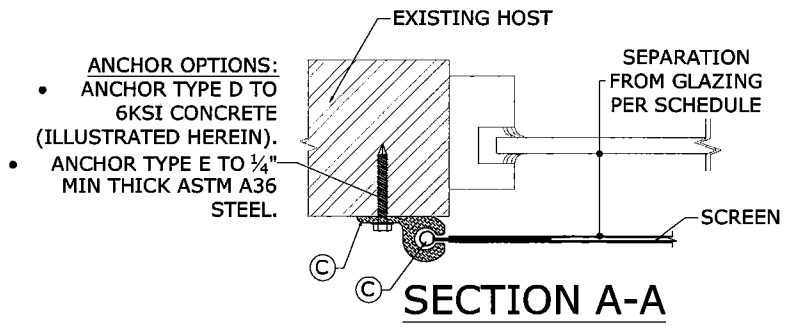
REMARKS

17-4022
SCALE: SEE DETAILS
PAGE DESCRIPTION:
2

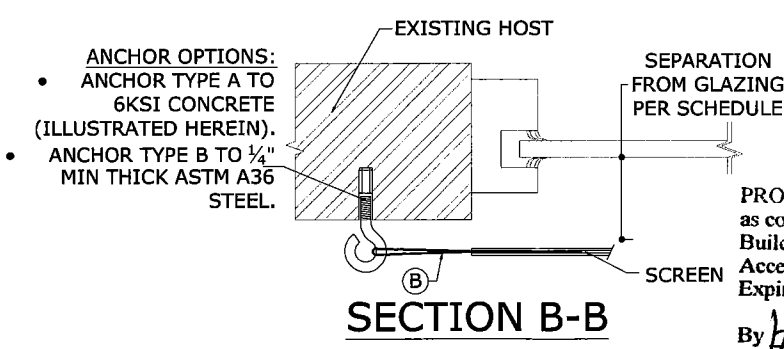
V:\projects\17-4022 Storm Catcher (NOA) 14-0207 01\WP\17-4022b Storm Catcher (NOA).dwg
 04/08/2019 - 10:33am rickn



1
3 CONNECTION TYPE C3
FACE-MOUNT
 1/16" = 1'-0" ELEVATION
 CONNECTION TYPE C3:
 SLIDE TRACK RAIL FACE MOUNTED TO THE
 EXISTING HOST STRUCTURE. SEE DESIGN
 SCHEDULES FOR ANCHOR SPACING



2
3 CONNECTION TYPE C4
FACE-MOUNT
 1/16" = 1'-0" ELEVATION
 CONNECTION TYPE C4:
 LOOP ATTACHMENT CONNECTED TO DIRECT
 FACE MOUNTED ANCHOR. SEE DESIGN
 SCHEDULES FOR ANCHOR SPACING



CONNECTIONS C1 THROUGH C10 MAY BE USED HERE (NOT SHOWN FOR CLARITY). NOTE: THE LESSER CAPACITY CONNECTION (LESSER SPAN AND/OR LESSER PRESSURE) OF THE OPENING WILL GOVERN THE OPENING.

CONNECTIONS C1 THROUGH C10 MAY BE USED HERE (NOT SHOWN FOR CLARITY). NOTE: THE LESSER CAPACITY CONNECTION (LESSER SPAN AND/OR LESSER PRESSURE) OF THE OPENING WILL GOVERN THE OPENING.

Professional Engineer Seal: FRANK L. BERNARDO, P.E., License No. PE0046549, State of Florida, expires 04/08/2019.

ENGINEERING EXPRESS, INC.
 CORPORATE OFFICE: 160 SW 12th AVENUE, # 10611
 DEERFIELD BEACH, FL 33442
 Ph: (954) 354-0660 FAX: (954) 354-0443
 WWW.ENGINEERINGEXPRESS.COM

STORM SMART, INC.
 6182 IDLEWILD STREET
 FORT MYERS, FL 33966
 (888) 962-7283

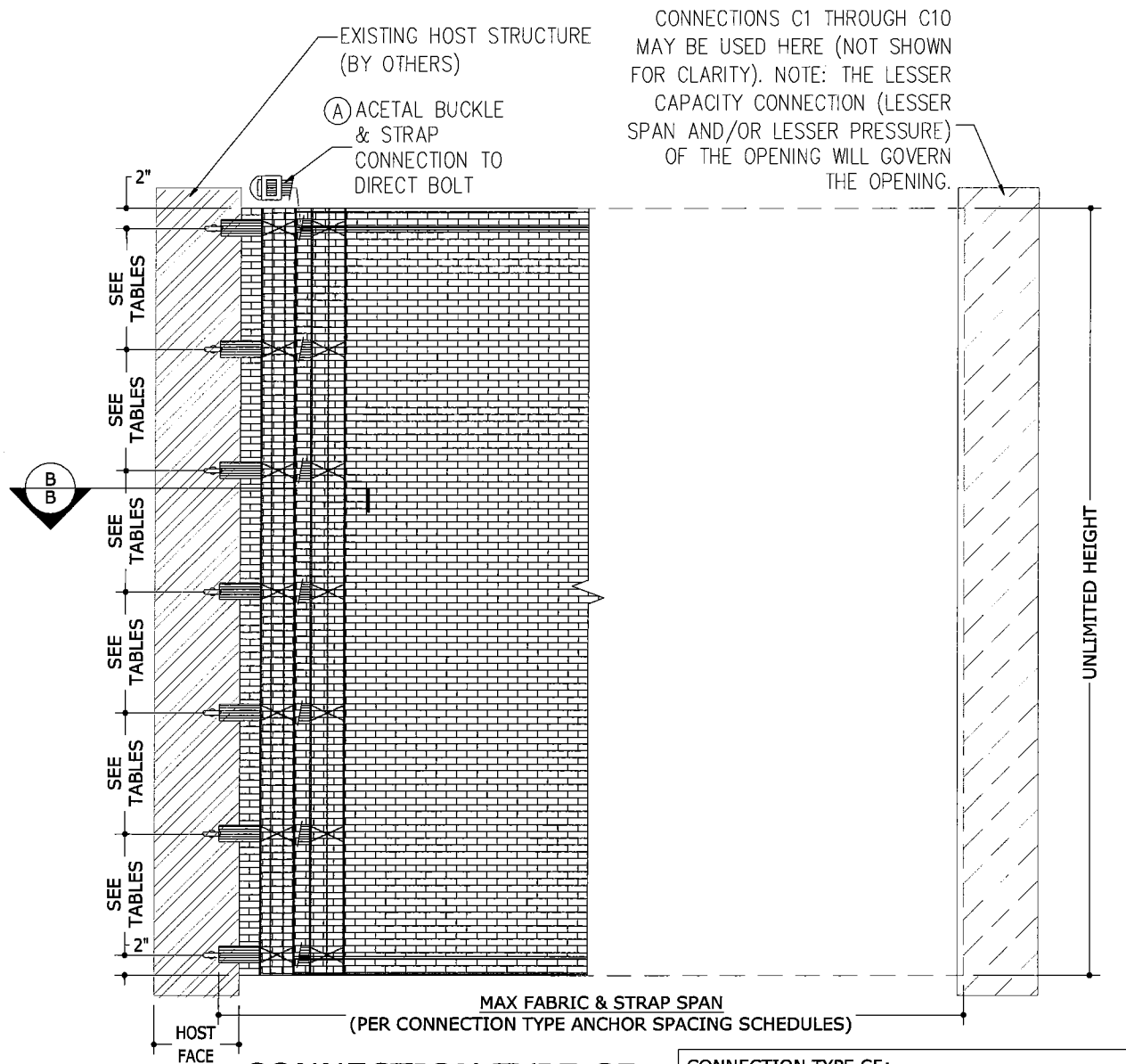
STORM CATCHER
 WIND ABATEMENT SYSTEM
 MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	CSL	TSB	03-10-14
REV. FOR ADD. TESTING	CSL	TSB	05-14-14
REV. FOR COMMENTS	CSL	TSB	06-06-14
REV. FOR PRESS	TSB	FLB	6-25-14
REV-2014-FBC	RWN	FLB	2-17-17
REV-2017-FBC	RWN	FLB	4-08-19

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 19-0411.01
 Expiration Date 07/04/2024
 By: *[Signature]*
 Miami Dade Product Control

17-4022
 SCALE: SEE DETAILS
 PAGE DESCRIPTION:
 3

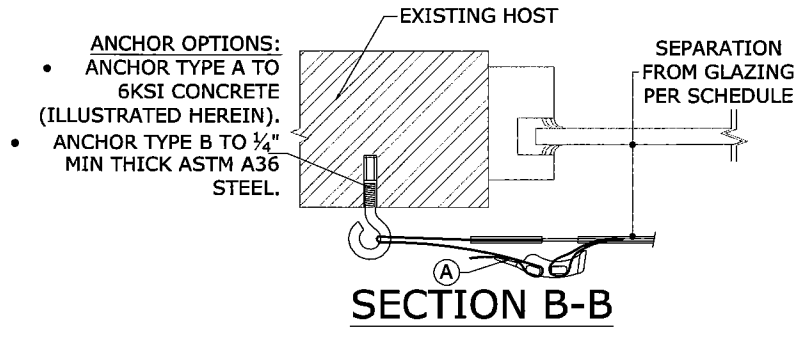
04/08/2019 - 10:33am rickn V:\projects\17-4022 Storm Catcher (NOA) 14-0207 01\WP\17-4022b Storm Catcher (NOA).dwg



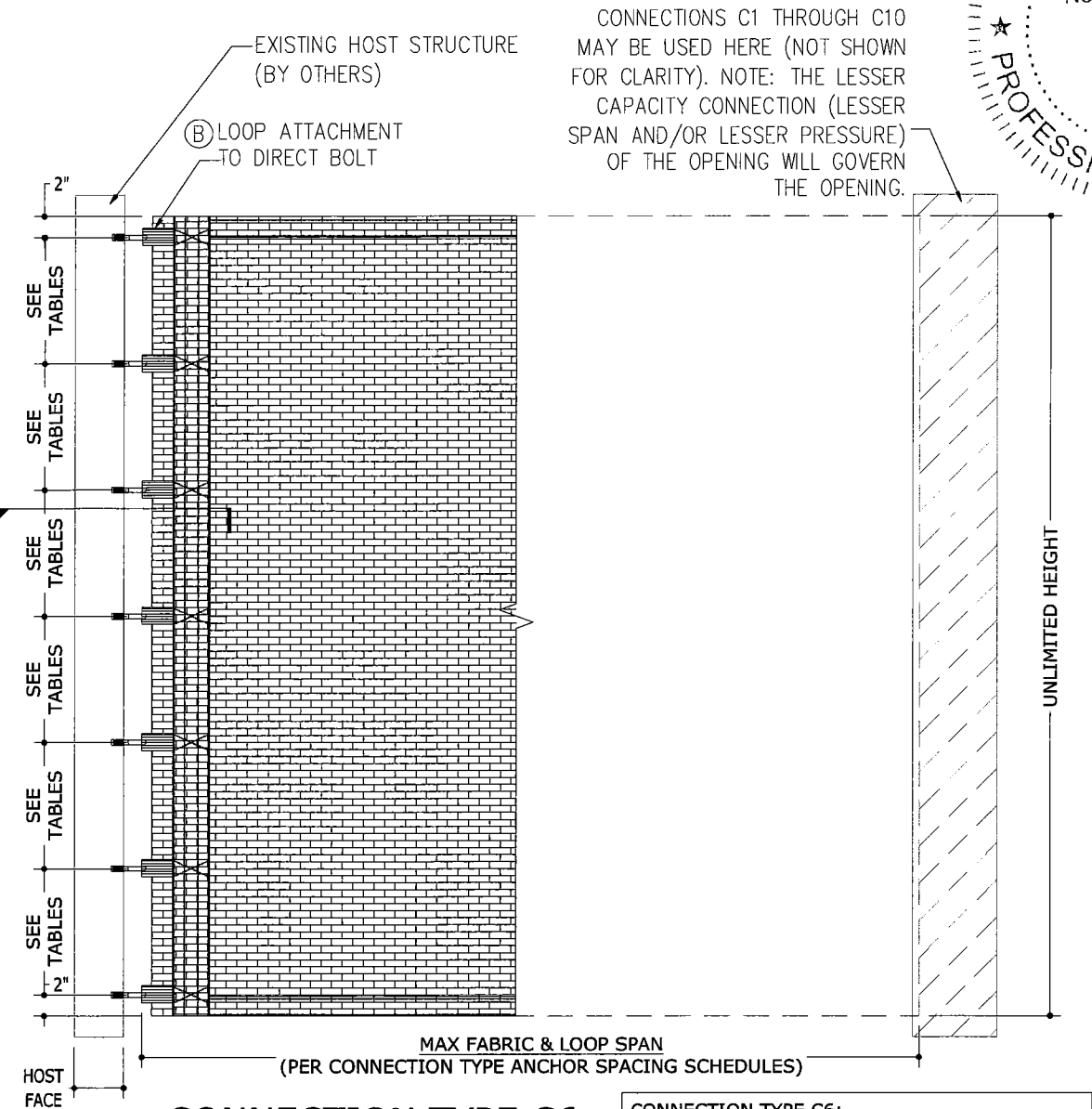
1
4 CONNECTION TYPE C5
FACE-MOUNT
1/16" = 1'-0"
ELEVATION

CONNECTIONS C1 THROUGH C10 MAY BE USED HERE (NOT SHOWN FOR CLARITY). NOTE: THE LESSER CAPACITY CONNECTION (LESSER SPAN AND/OR LESSER PRESSURE) OF THE OPENING WILL GOVERN THE OPENING.

CONNECTION TYPE C5:
STRAP ATTACHMENT WITH ACETAL BUCKLE ATTACHED TO DIRECT FACE MOUNTED ANCHOR. SEE DESIGN SCHEDULES FOR ANCHOR SPACING.



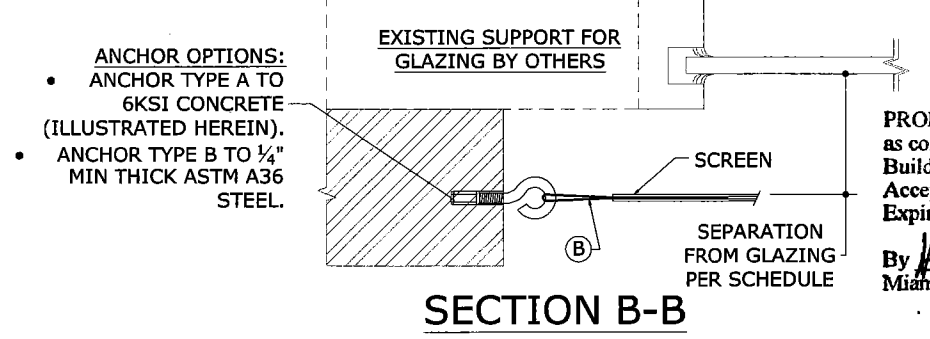
- ANCHOR OPTIONS:
- ANCHOR TYPE A TO 6KSI CONCRETE (ILLUSTRATED HEREIN).
 - ANCHOR TYPE B TO 1/4" MIN THICK ASTM A36 STEEL.



2
4 CONNECTION TYPE C6
INSIDE-MOUNT
1/16" = 1'-0"
ELEVATION

CONNECTIONS C1 THROUGH C10 MAY BE USED HERE (NOT SHOWN FOR CLARITY). NOTE: THE LESSER CAPACITY CONNECTION (LESSER SPAN AND/OR LESSER PRESSURE) OF THE OPENING WILL GOVERN THE OPENING.

CONNECTION TYPE C6:
LOOP ATTACHMENT TO DIRECT INSIDE MOUNTED ANCHOR. SEE DESIGN SCHEDULES FOR ANCHOR SPACING.



- ANCHOR OPTIONS:
- ANCHOR TYPE A TO 6KSI CONCRETE (ILLUSTRATED HEREIN).
 - ANCHOR TYPE B TO 1/4" MIN THICK ASTM A36 STEEL.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 19-0411-01
Expiration Date 07/04/2024
By *[Signature]*
Miami Dade Product Control

FRANK L. BERNARDO, P.E.
LICENSE NO. 04/08/2019
No. PE0046549

PROFESSIONAL ENGINEER

ENGINEERING EXPRESS

CORPORATE OFFICE
160 SW 12th Avenue, #1106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0661

CERT. OF AUTH. #8885
FOR BRANCH LOCATION INFO, VISIT
WWW.ENGINEERINGEXPRESS.COM

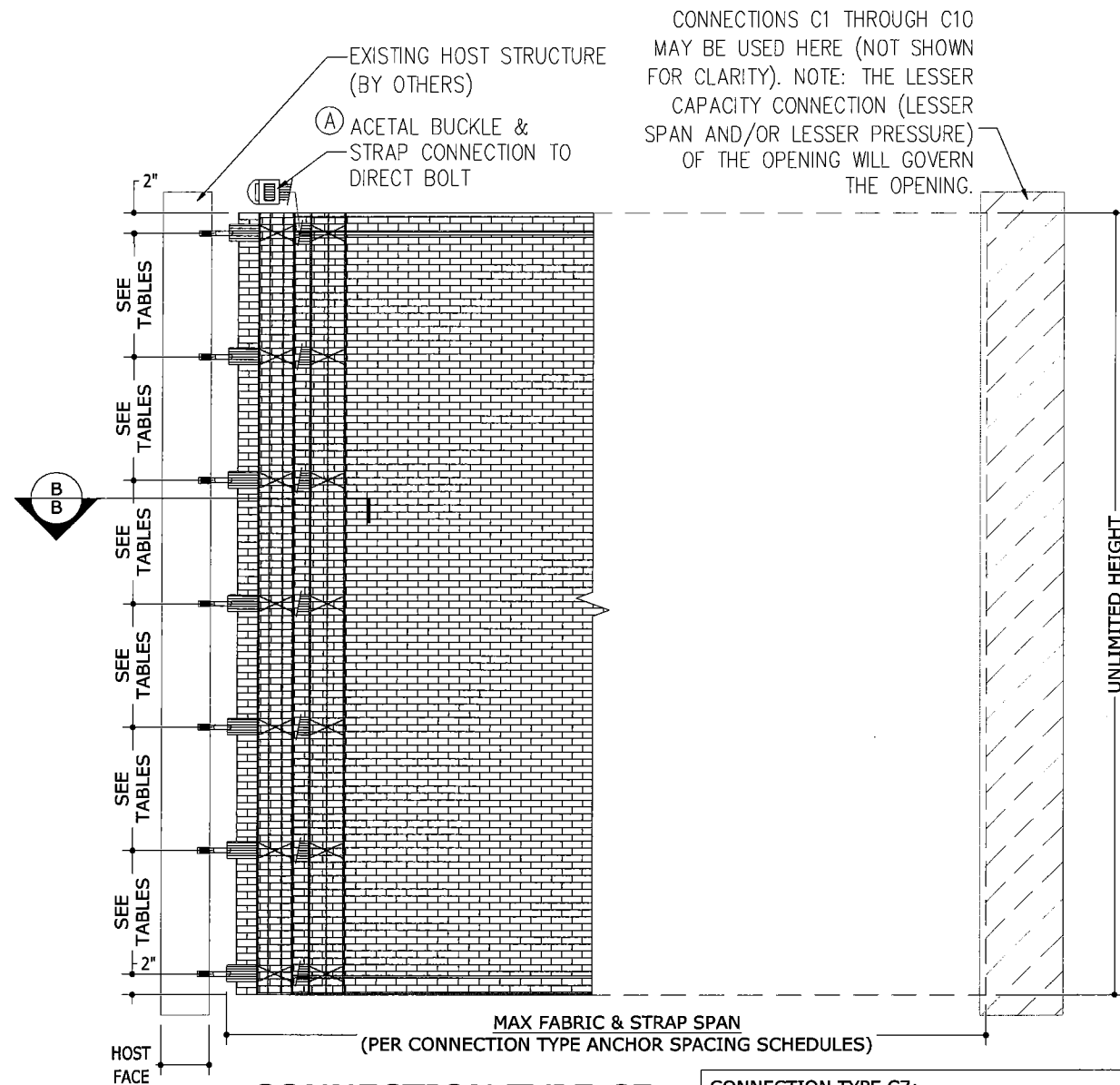
STORM SMART, INC.
6182 IDLEWILD STREET
FORT MYERS, FL 33966
(888) 962-7283

STORM CATCHER
WIND ABATEMENT SYSTEM
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	CSL	TSB	03-10-14
REV. FOR ADD. TESTING	CSL	TSB	05-14-14
REV. FOR COMMENTS	CSL	TSB	06-06-14
REV. FOR PRESS	TSB	FLB	6-25-14
REV - 2014 FBC	RWN	FLB	2-17-17
REV - 2017 FBC	RWN	FLB	4-08-19

17-4022
SCALE: SEE DETAILS
PAGE DESCRIPTION:
4

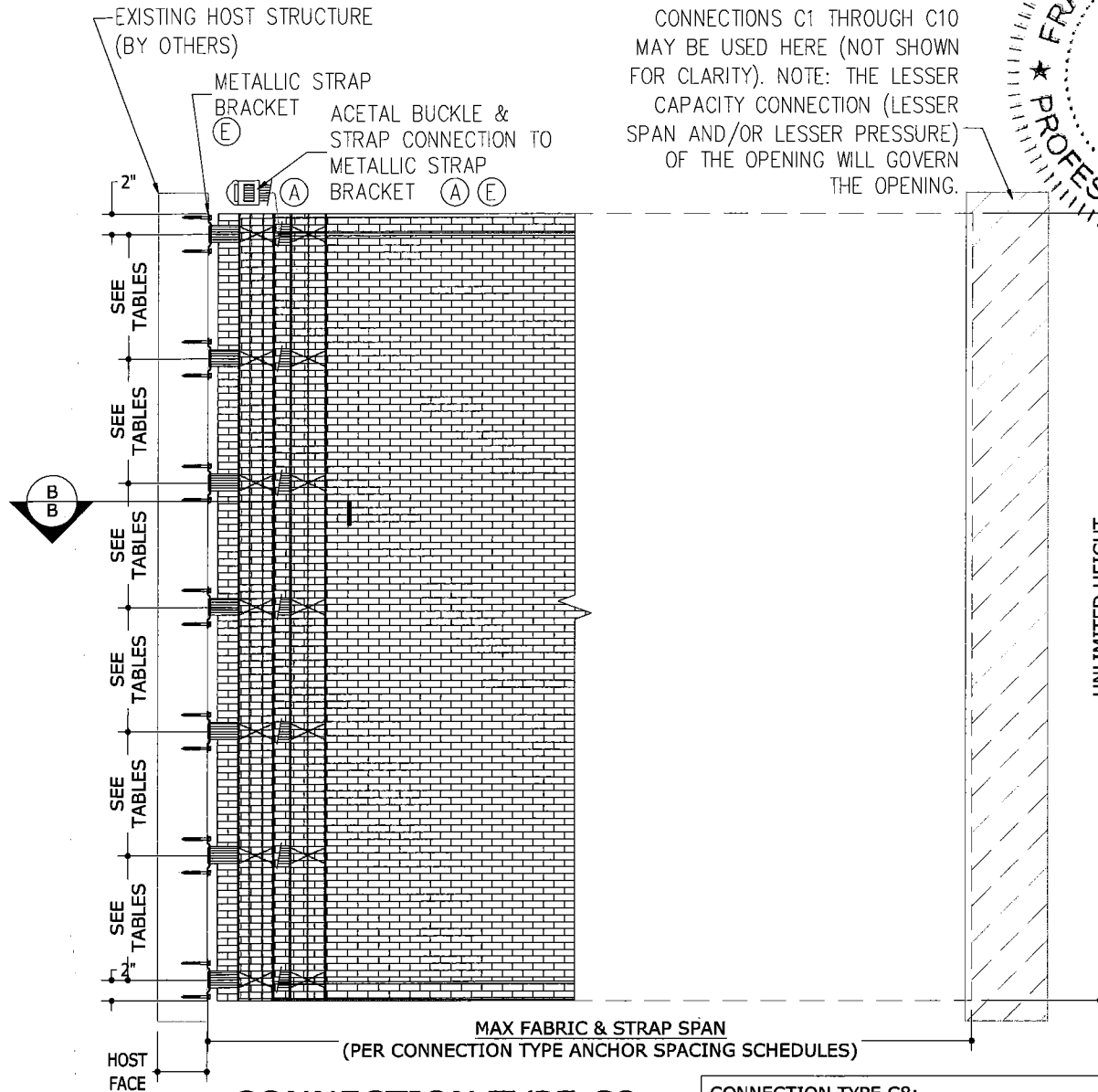
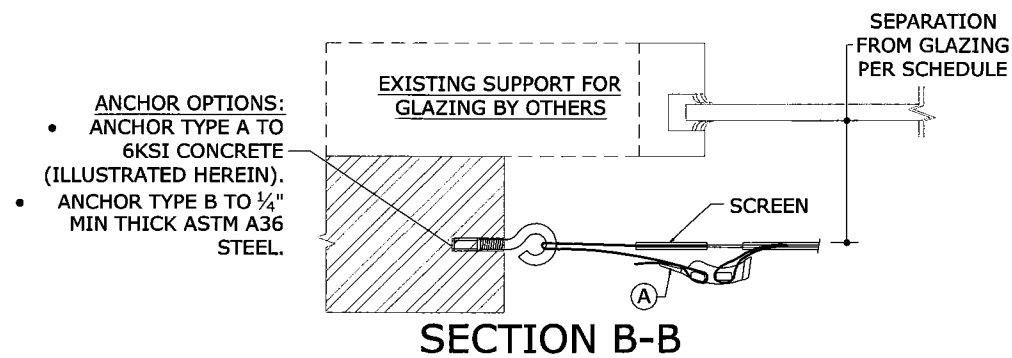
04/08/2019 - 10:33am rickn V:\projects\17-4022 Storm Catcher (NOA 14-0207, 01)\WP17-4022b Storm Catcher (NOA).dwg



1
5 CONNECTION TYPE C7
INSIDE-MOUNT
1/16" = 1'-0" ELEVATION

CONNECTIONS C1 THROUGH C10 MAY BE USED HERE (NOT SHOWN FOR CLARITY). NOTE: THE LESSER CAPACITY CONNECTION (LESSER SPAN AND/OR LESSER PRESSURE) OF THE OPENING WILL GOVERN THE OPENING.

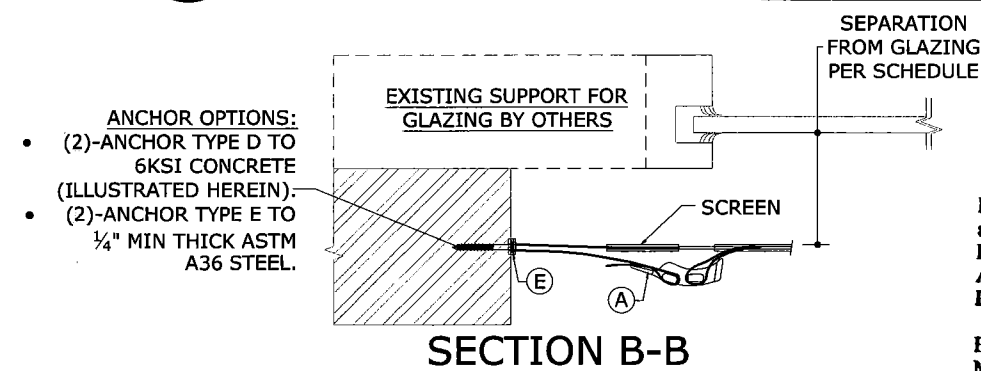
CONNECTION TYPE C7:
STRAP ATTACHMENT WITH ACETAL BUCKLE ATTACHED TO DIRECT INSIDE MOUNTED ANCHOR. SEE DESIGN SCHEDULES FOR ANCHOR SPACING.



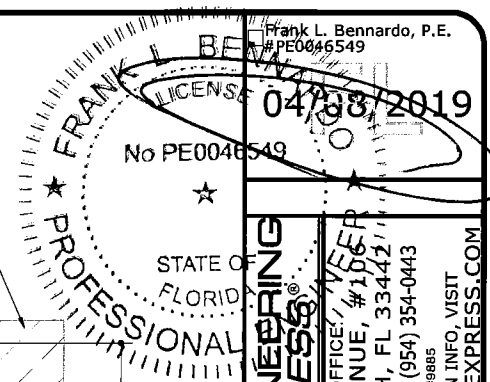
2
5 CONNECTION TYPE C8
INSIDE-MOUNT
1/16" = 1'-0" ELEVATION

CONNECTIONS C1 THROUGH C10 MAY BE USED HERE (NOT SHOWN FOR CLARITY). NOTE: THE LESSER CAPACITY CONNECTION (LESSER SPAN AND/OR LESSER PRESSURE) OF THE OPENING WILL GOVERN THE OPENING.

CONNECTION TYPE C8:
STRAP ATTACHMENT WITH ACETAL BUCKLE ATTACHED TO INSIDE MOUNTED METALLIC STRAP BRACKET. SEE DESIGN SCHEDULES FOR METALLIC STRAP BRACKET SPACING.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 19-0411.01
Expiration Date 07/04/2024
By *Heidi A. Mohr*
Miami Dade Product Control



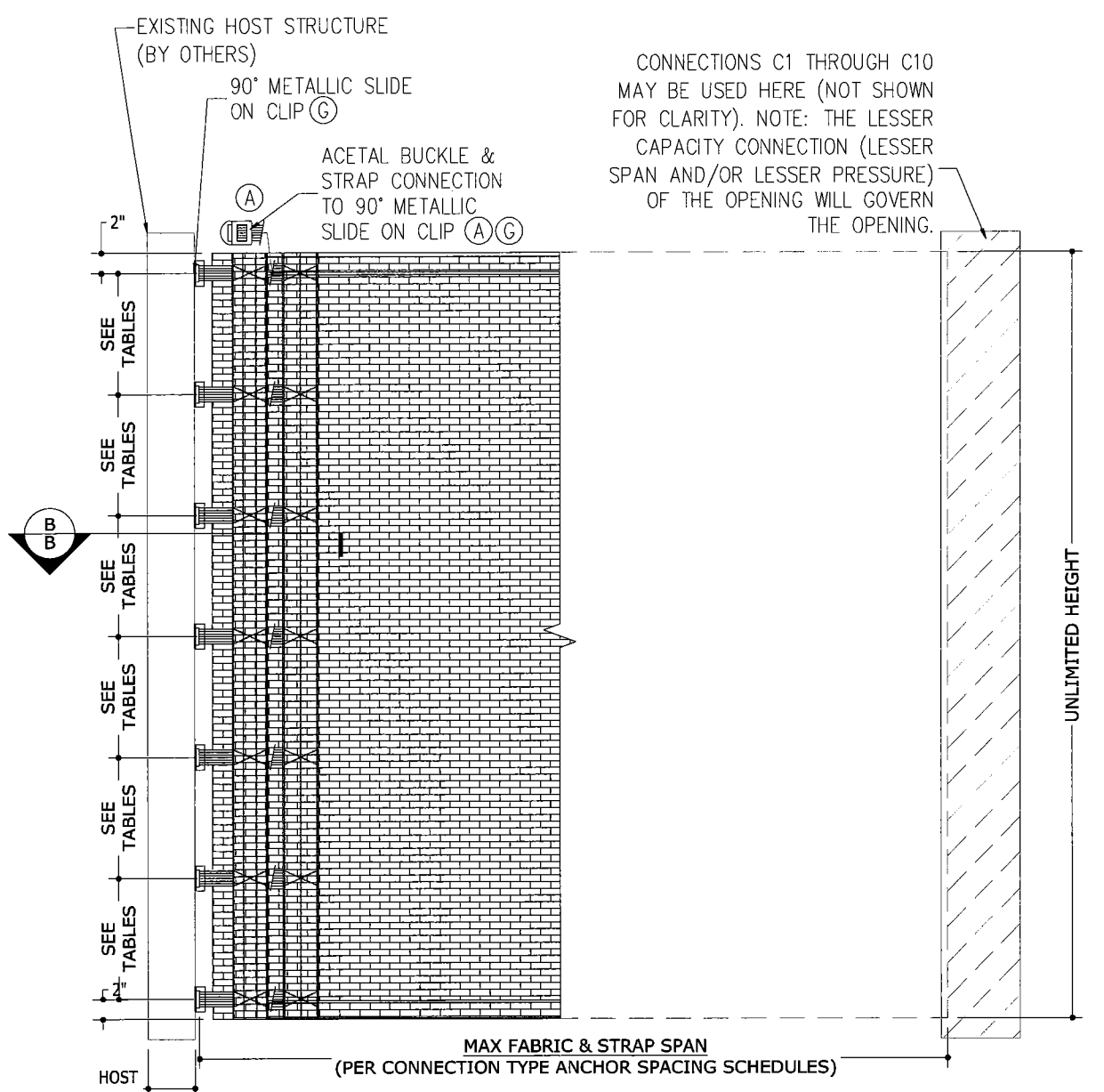
ENGINEERING EXPRESS
CORPORATE OFFICE: MIAMI, FL
160 SW 12th AVENUE, #1050
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0443
CERT OF AUTH #8885
FOR BRANCH LOCATION INFO, VISIT
WWW.ENGINEERINGEXPRESS.COM

STORM SMART, INC.
6182 IDLEWILD STREET
FORT MYERS, FL 33966
(888) 962-7283
STORM CATCHER
WIND ABATEMENT SYSTEM
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	CSL	TSB	03-10-14
REV. FOR ADD. TESTING	CSL	TSB	05-14-14
REV. FOR COMMENTS	CSL	TSB	08-06-14
REV. FOR PRESS	TSB	FLB	6-25-14
REV.-2014.FBC	RWN	FLB	2-17-17
REV.-2017.FBC	RWN	FLB	4-08-19

17-4022
SCALE: SEE DETAILS
PAGE DESCRIPTION:
10

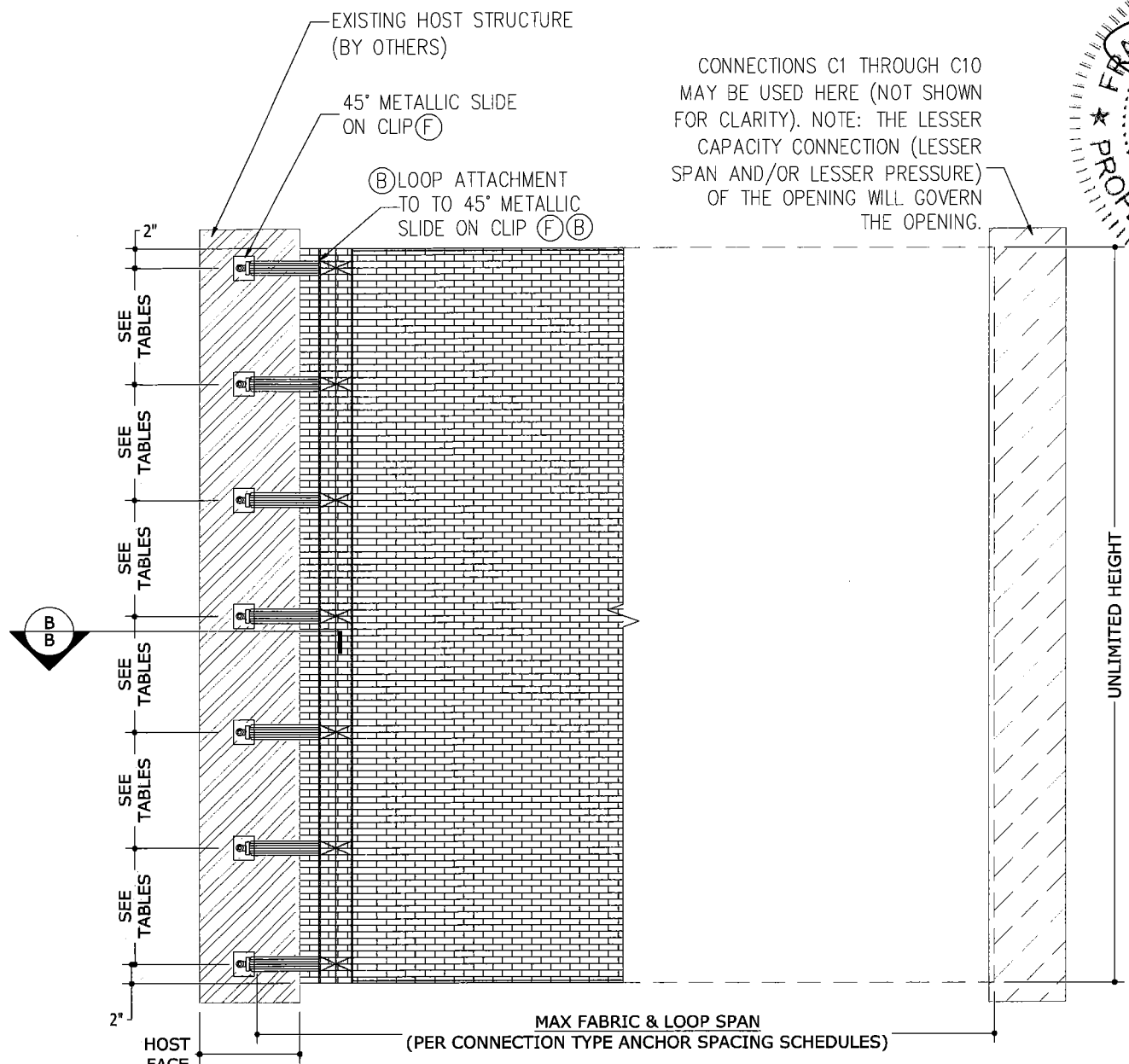
04/08/2019 - 10:33am rickn V:\projects\17-4022 Storm Catcher (NOA) 14-0207.01\WP\17-4022b Storm Catcher (NOA).dwg



CONNECTIONS C1 THROUGH C10 MAY BE USED HERE (NOT SHOWN FOR CLARITY). NOTE: THE LESSER CAPACITY CONNECTION (LESSER SPAN AND/OR LESSER PRESSURE) OF THE OPENING WILL GOVERN THE OPENING.

1
6 CONNECTION TYPE C9
INSIDE-MOUNT
1/16" = 1'-0" ELEVATION

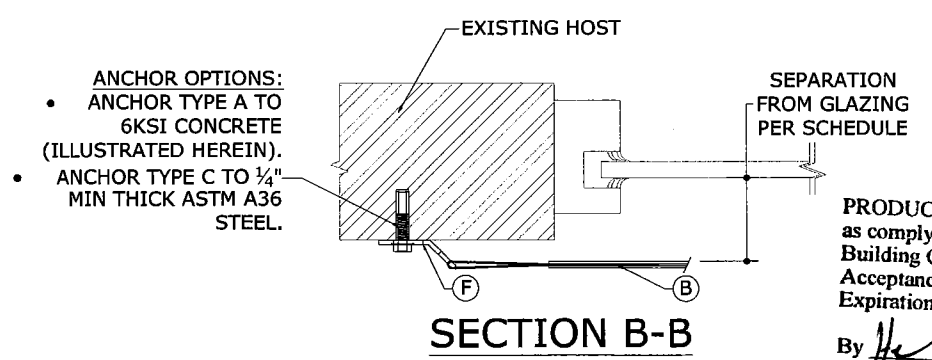
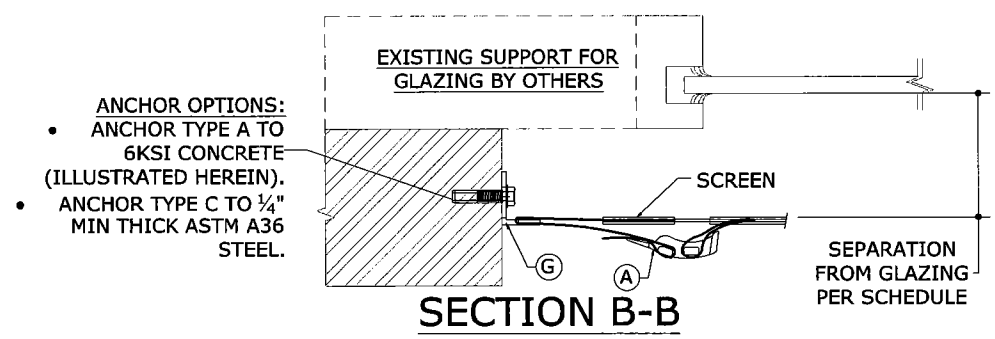
CONNECTION TYPE C9:
STRAP ATTACHMENT WITH ACETAL BUCKLE & 90° METALLIC SLIDE ON CLIP ATTACHED AS AN INSIDE MOUNT TO THE EXISTING HOST STRUCTURE. SEE DESIGN SCHEDULES FOR 90° METALLIC SLIDE ON CLIP SPACING



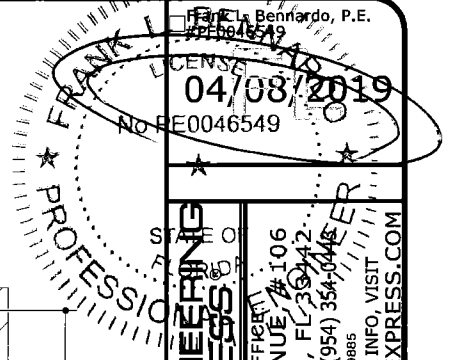
CONNECTIONS C1 THROUGH C10 MAY BE USED HERE (NOT SHOWN FOR CLARITY). NOTE: THE LESSER CAPACITY CONNECTION (LESSER SPAN AND/OR LESSER PRESSURE) OF THE OPENING WILL GOVERN THE OPENING.

2
6 CONNECTION TYPE C10
FACE-MOUNT
1/16" = 1'-0" ELEVATION

CONNECTION TYPE C10:
LOOP ATTACHMENT CONNECTED TO 45° METALLIC SLIDE ON CLIP ATTACHED AS A FACE MOUNT TO THE EXISTING HOST STRUCTURE. SEE DESIGN SCHEDULES FOR 45° METALLIC SLIDE ON CLIP SPACING



PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 19-0411.01
Expiration Date 07/04/2024
By *[Signature]*
Miami Dade Product Control



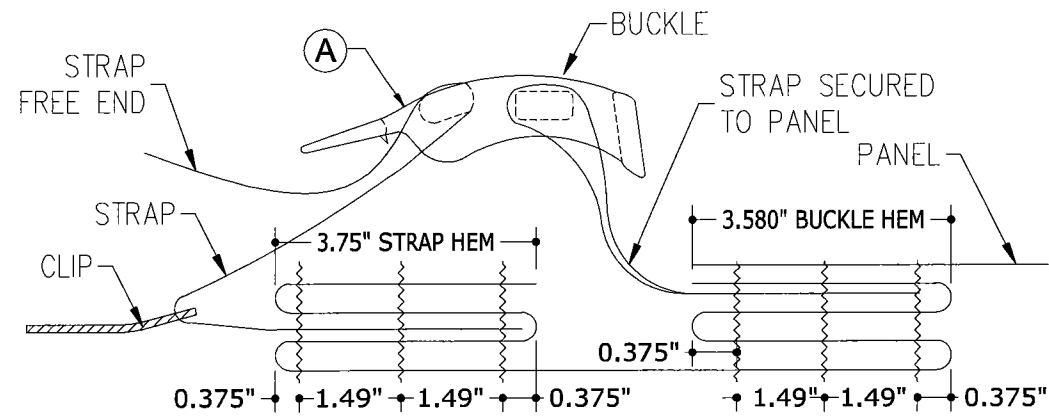
ENGINEERING EXPRESS
CORPORATE OFFICE
160 SW 12th AVENUE #106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0445
CERT OF AUTH #8885
FOR BRANCH LOCATION INFO, VISIT WWW.ENGINEERINGEXPRESS.COM

STORM SMART, INC.
6182 IDLEWILD STREET
FORT MYERS, FL 33966
(888) 962-7283
STORM CATCHER
WIND ABATEMENT SYSTEM
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	CSL	TSB	03-10-14
REV. FOR ADD. TESTING	CSL	TSB	05-14-14
REV. FOR COMMENTS	CSL	TSB	06-06-14
REV. FOR PRESS	TSB	FLB	6-25-14
REV. 2014 FBC	RWN	FLB	2-17-17
REV. 2017 FBC	RWN	FLB	4-08-19

17-4022
SCALE: SEE DETAILS
PAGE DESCRIPTION:
10

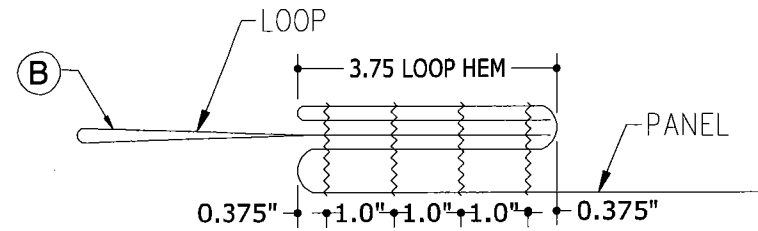
STITCHING OPTIONS:



STRUCTURAL ATTACHMENT FOR STRAP & BUCKLE:
(3) ROWS STITCHING & BOX STITCH @ EACH HEM

A BUCKLE / STRAP ATTACHMENT
NO SCALE

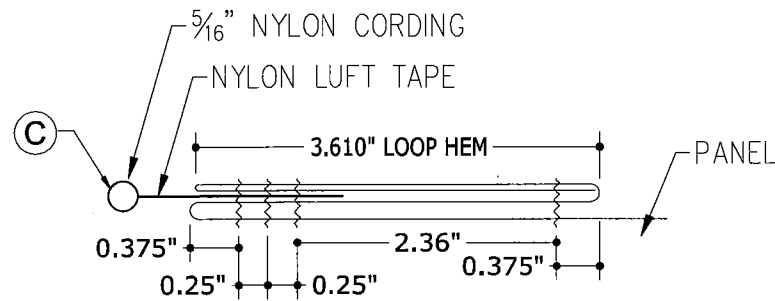
THREAD: SOLAR FIX PTFE
THREAD: 138 DENIER POLYESTER



STRUCTURAL ATTACHMENT FOR LOOP:
(4) ROWS STITCHING & BOX STITCH

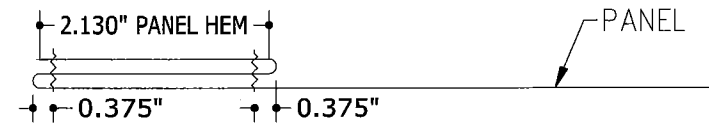
B LOOP ATTACHMENT
NO SCALE

THREAD: SOLAR FIX PTFE
THREAD: 138 DENIER POLYESTER



C SLIDE SCREEN RAIL
NO SCALE

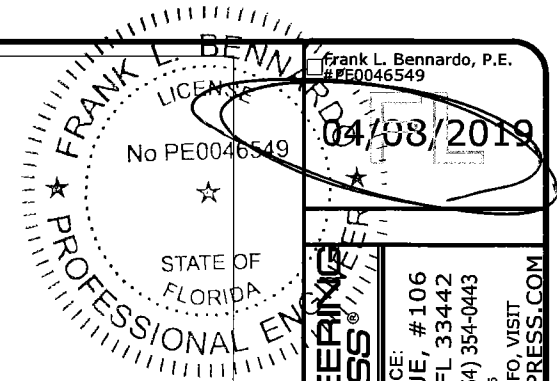
THREAD: SOLAR FIX PTFE
THREAD: 138 DENIER POLYESTER



SPAN DIRECTION HEM: (2) ROWS STITCHING

PANEL EDGE HEM
NO SCALE

THREAD: SOLAR FIX PTFE
THREAD: 138 DENIER POLYESTER



ENGINEERING EXPRESS
CORPORATE OFFICE:
160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0443
CERT OF AUTH #885
FOR BRANCH LOCATION INFO, VISIT
WWW.ENGINEERINGEXPRESS.COM

STORM SMART, INC.
6182 IDLEWILD STREET
FORT MYERS, FL 33966
(888) 962-7283
STORM CATCHER
WIND ABATEMENT SYSTEM
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE

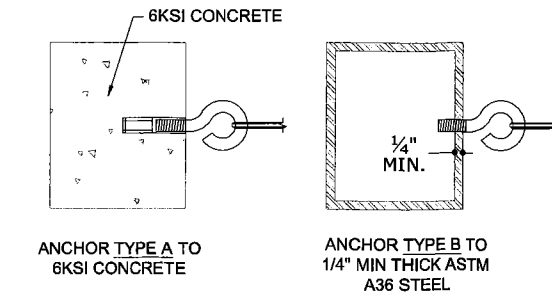
REMARKS	DRWN	CHKD	DATE
INIT ISSUE	CSL	TSB	03-10-14
REV. FOR ADD. TESTING	CSL	TSB	05-14-14
REV. FOR COMMENTS	CSL	TSB	06-06-14
REV. FOR PRESS	TSB	FLB	6-25-14
REV.-2014 FBC	RWN	FLB	2-17-17
REV.-2017 FBC	RWN	FLB	4-08-19

PRODUCT REVISED
as complying with the Florida:
Building Code
Acceptance No 19-0411.01
Expiration Date 07/04/2024
By *Harby A. Martin*
Miami Dade Product Control

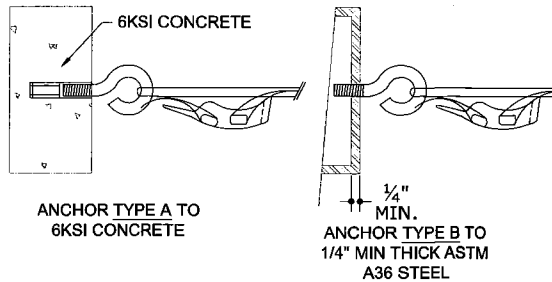
17-4022
SCALE: SEE DETAILS
PAGE DESCRIPTION:

CONNECTION TYPE ANCHOR SPACING SCHEDULES CONTINUED:

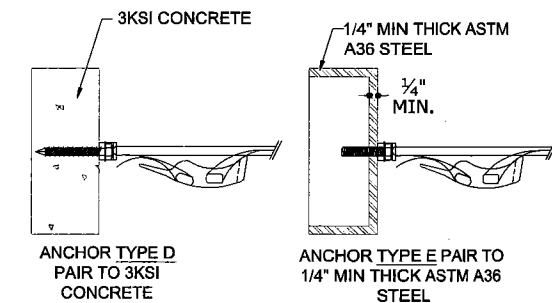
CONNECTION TYPE	MAXIMUM ALLOWABLE FABRIC SPAN	MAXIMUM ALLOWABLE ANCHOR SPACING (IN O.C.) VS. MAXIMUM ALLOWABLE DESIGN PRESSURES					
		ANCHOR TYPE A TO 6KSI CONCRETE			ANCHOR TYPE B TO 1/4" MIN THICK ASTM A36 STEEL		
		+60/-60 (PSF)	+80/-80 (PSF)	+90/-90 (PSF)	+60/-60 (PSF)	+80/-80 (PSF)	+90/-90 (PSF)
C6	48 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "
	68.375 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "
	187.625 "	12.0 "	10.1 "	9.3 "	12.0 "	12.0 "	12.0 "
	216"*	10.7 "	8.7 "	8.0 "	12.0 "	12.0 "	12.0 "



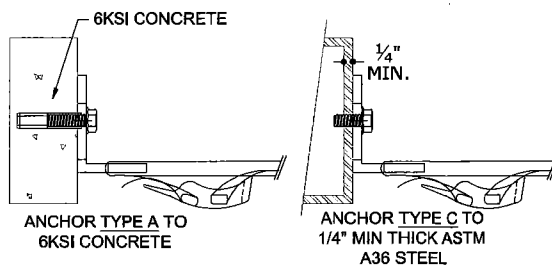
CONNECTION TYPE	MAXIMUM ALLOWABLE FABRIC SPAN	MAXIMUM ALLOWABLE ANCHOR SPACING (IN O.C.) VS. MAXIMUM ALLOWABLE DESIGN PRESSURES					
		ANCHOR TYPE A TO 6KSI CONCRETE			ANCHOR TYPE B TO 1/4" MIN THICK ASTM A36 STEEL		
		+60/-60 (PSF)	+80/-80 (PSF)	+90/-90 (PSF)	+60/-60 (PSF)	+80/-80 (PSF)	+90/-90 (PSF)
C7	48 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "
	68.375 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "
	187.625 "	12.0 "	10.1 "	9.3 "	12.0 "	12.0 "	12.0 "
	216"*	10.7 "	8.7 "	8.0 "	12.0 "	12.0 "	12.0 "



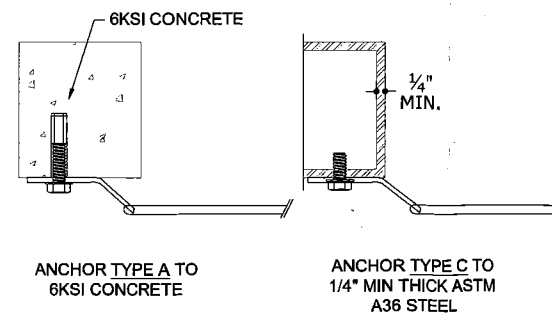
CONNECTION TYPE	MAXIMUM ALLOWABLE FABRIC SPAN	MAXIMUM ALLOWABLE ANCHOR SPACING (IN O.C.) VS. MAXIMUM ALLOWABLE DESIGN PRESSURES					
		ANCHOR TYPE D PAIR (2X) TO 3KSI CONCRETE			ANCHOR TYPE E PAIR (2X) TO 1/4" MIN THICK ASTM A36 STEEL		
		+60/-60 (PSF)	+80/-80 (PSF)	+90/-90 (PSF)	+60/-60 (PSF)	+80/-80 (PSF)	+90/-90 (PSF)
C8	48 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "
	68.375 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "
	187.625 "	10.5 "	8.6 "	7.9 "	12.0 "	12.0 "	12.0 "
	216"*	9.0 "	7.4 "	6.8 "	12.0 "	12.0 "	12.0 "



CONNECTION TYPE	MAXIMUM ALLOWABLE FABRIC SPAN	MAXIMUM ALLOWABLE ANCHOR SPACING (IN O.C.) VS. MAXIMUM ALLOWABLE DESIGN PRESSURES					
		ANCHOR TYPE A TO 6KSI CONCRETE			ANCHOR TYPE C TO 1/4" MIN THICK ASTM A36 STEEL		
		+60/-60 (PSF)	+80/-80 (PSF)	+90/-90 (PSF)	+60/-60 (PSF)	+80/-80 (PSF)	+90/-90 (PSF)
C9	48 "	10.0 "	10.0 "	10.0 "	10.0 "	10.0 "	10.0 "
	68.375 "	10.0 "	10.0 "	10.0 "	10.0 "	10.0 "	10.0 "
	180 "	10.0 "	10.0 "	7.0 "	10.0 "	10.0 "	7.0 "
	216"*	10.0 "	7.0 "	7.0 "	10.0 "	7.0 "	7.0 "



CONNECTION TYPE	MAXIMUM ALLOWABLE FABRIC SPAN	MAXIMUM ALLOWABLE ANCHOR SPACING (IN O.C.) VS. MAXIMUM ALLOWABLE DESIGN PRESSURES					
		ANCHOR TYPE A TO 6KSI CONCRETE			ANCHOR TYPE C TO 1/4" MIN THICK ASTM A36 STEEL		
		+60/-60 (PSF)	+80/-80 (PSF)	+90/-90 (PSF)	+60/-60 (PSF)	+80/-80 (PSF)	+90/-90 (PSF)
C10	48 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "
	68 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "	12.0 "
	180 "	10.0 "	7.9 "	7.2 "	12.0 "	12.0 "	12.0 "

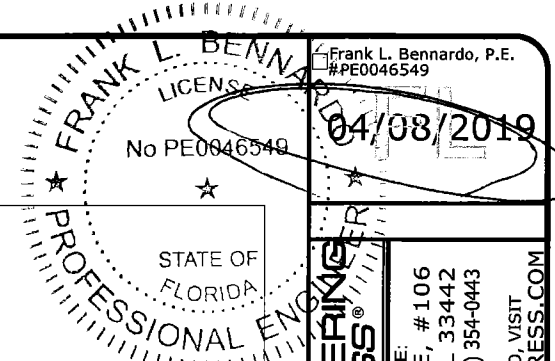


NOTE: ALL FIRE RATED PANELS ARE LIMITED TO A MAXIMUM 18'-0" SPAN WITH +90/-90 PSF AND SHALL BE ATTACHED PER THE CONNECTION TABLES ILLUSTRATED HEREIN

ALL FABRIC SPANS MARKED WITH AN () CANNOT UTILIZE "SOLAR FIX PTFE" THREADS. SEE SHEET 1 FOR A SUMMARY OF THREAD TYPES AND APPLICABLE PANE SPANS AND/OR ALLOWABLE DESIGN PRESSURES.

ANCHOR SCHEDULE:

ANCHOR	SUBSTRATE	DESCRIPTION
A	6000 PSI MIN. CONCRETE	1/2" POWERS DROP-IN ANCHOR WITH 1/2"-13 304 STAINLESS STEEL THREADED (ASTM F593) EYE BOLT OR CARRIAGE BOLTS WITH UNC ROLL THREADS PER ASME B1.1 CLASS 1A, 2" EMBED TO CONCRETE, 7" EDGE DISTANCE, SPACED PER ANCHOR SCHEDULES (ANCHORS SHALL NOT BE SPACED CLOSER THAN 6" O.C.)
B	ASTM A36 STEEL	1/2"-13 304 STAINLESS STEEL THREADED (ASTM F593) EYE BOLT WITH UNC ROLL THREADS PER ASME B1.1 CLASS 1A, SPACED PER ANCHOR SPACING SCHEDULES (ANCHORS SHALL NOT BE SPACED CLOSER THAN 1-1/2" O.C.)
C	ASTM A36 STEEL	1/2"-13 304 STAINLESS STEEL THREADED (ASTM F593) CARRIAGE BOLT WITH UNC ROLL THREADS PER ASME B1.1 CLASS 1A, SPACED PER ANCHOR SPACING SCHEDULES (ANCHORS SHALL NOT BE SPACED CLOSER THAN 1-1/2" O.C.)
D	3000 PSI MIN. CONCRETE	5/16" ITW TAPCONS, 2-1/4" MIN. EMBED, 3-1/8" MIN. EDGE DISTANCE, SPACED PER ANCHOR SPACING SCHEDULES <ul style="list-style-type: none"> WHEN UTILIZED IN A SINGLE ROW WITH THE SLIDE TRACK SYSTEM, ANCHORS SHALL NOT BE SPACED CLOSER THAN 3-3/4" O.C. ALONG THE SLIDE TRACK RAIL. WHEN UTILIZED AS A PAIR INSTALLED TO THE METALLIC STRAP BRACKET, THE ANCHOR GROUP SHALL UTILIZE AN ANCHOR CENTER TO CENTER PAIR SPACING OF 3-1/4". METALLIC STRAP BRACKETS SHALL NOT BE SPACED CLOSER THAN 3-3/4" O.C.
E	ASTM A36 STEEL	5/16"-18 304 STAINLESS STEEL THREADED (ASTM F593) BOLTS WITH UNC ROLL THREADS PER ASME B1.1 CLASS 1A, SPACED PER ANCHOR SPACING SCHEDULES (ANCHORS SHALL NOT BE SPACED CLOSER THAN 1" O.C.)



ENGINEERING EXPRESS
 CORPORATE OFFICE:
 160 SW 12th AVENUE, # 106
 DEERFIELD BEACH, FL 33442
 PH: (954) 354-0660 FAX: (954) 354-0443
 CERT. OF AUTH. #9885
 WWW.ENGINEERINGEXPRESS.COM

STORM SMART, INC.
 6182 IDLEWILD STREET
 FORT MYERS, FL 33966
 (888) 962-7283
 STORM CATCHER
 WIND ABATEMENT SYSTEM
 MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	CSL	TSB	03-10-14
REV. FOR ADD. TESTING	CSL	TSB	05-14-14
REV. FOR COMMENTS	CSL	TSB	06-06-14
REV. FOR PRESS	TSB	FLB	6-25-14
REV-2014-FBC	RWN	FLB	2-17-17
REV-2017-FBC	RWN	FLB	4-08-19

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 19-0411.01
 Expiration Date 07/04/2024
 By *[Signature]*
 Miami Dade Product Control

17-4022
 SCALE: SEE DETAILS
 PAGE DESCRIPTION: