



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)

Atlas Armor, Inc.
430 South Congress Avenue, Suite 3
Delray Beach, Florida 33445

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: "Atlas Armor Hurricane Screens" Flexible Wind Abatement System

APPROVAL DOCUMENT: Drawing No. 23-68122, titled "Atlas Armor Hurricane Screens", sheets 1 through 11 of 11, prepared by Engineering Express, dated July 22, 2021, last revised on November 02, 2023, signed and sealed by Richard Neet, P.E., on November 20, 2023, 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 panel 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** NOA #23-0120.02 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, E-4 & E-5 as well as approval document mentioned above.

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



Helmy A. Makar
03/07/24

NOA No. 23-1206.04
Expiration Date: 04/18/2028
Approval Date: 03/07/2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #12-1107.05

A. DRAWINGS

1. Drawing No. AD12-60, titled "Gladiator Screening Systems", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated April 03, 2013, signed and sealed by Yiping Wang, P.E., on April 04, 2013.

B. TESTS

1. Test report on Uniform Static Air Pressure Test of Gladiator Screening System Flexible Hurricane Wind Abatement System, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-11-3340**, dated December 12, 2011, signed and sealed by Rafael E. Droz-Seda, P.E.
2. Test report on Large Missile Impact Test and Cyclic Wind Pressure Test of Gladiator Screening System Flexible Hurricane Wind Abatement System, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-11-3341**, dated December 12, 2011, signed and sealed by Rafael E. Droz-Seda, P.E.
3. Test report on Uniform Static Air Pressure Test of Gladiator Screening System Flexible Hurricane Wind Abatement System, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-11-3343**, dated December 12, 2011, signed and sealed by Rafael E. Droz-Seda, P.E.
4. Test report on Large Missile Impact Test and Cyclic Wind Pressure Test of Gladiator Screening System Flexible Hurricane Wind Abatement System, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-11-3336**, dated December 12, 2011, signed and sealed by Rafael E. Droz-Seda, P.E.
5. Test report on Large Missile Impact Test and Cyclic Wind Pressure Test of Gladiator Screening System Flexible Hurricane Wind Abatement System, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-12-4057**, dated September 21, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.
6. Test report on Uniform Static Air Pressure Test of Gladiator Screening System Flexible Hurricane Wind Abatement System, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-12-4056**, dated September 21, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.
7. Test report on Uniform Static Air Pressure Test of Gladiator Screening System Flexible Hurricane Wind Abatement System, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-11-3335**, dated December 12, 2011, signed and sealed by Rafael E. Droz-Seda, P.E.
8. Test report on Uniform Static Air Pressure Test of Gladiator Screening System Flexible Hurricane Wind Abatement System, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-12-4060**, dated September 21, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
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9. *Test report on Large Missile Impact Test and Cyclic Wind Pressure Test of Gladiator Screening System Flexible Hurricane Wind Abatement System, prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-12-4061, dated September 21, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.*
10. *Compressive Strength of Cylindrical Concrete Specimens, per ASTM C39-12, prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-11-C173, dated October 02, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.*
11. *Compressive Strength of Grout, per ASTM C39-12, prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-11-C172, dated October 02, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.*
12. *Breaking Strength and Elongation of Textile Fabrics Grab Test per ASTM D 5034-09 prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-12-T121, dated September 21, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.*
13. *Breaking Strength and Elongation of Textile Fabrics Grab Test per ASTM D 5034-09 prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-12-T122, dated September 21, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.*
14. *Sewn Seams Strength Using Grab Tensile Test per ASTM D 1683-11a prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-12-T123, dated September 21, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.*
15. *Breaking Force and elongation of Textile fabrics per ASTM D 638-10/ASTM D 5035-11 prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-12-U108, dated July 24, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.*
16. *Breaking Force and elongation of Textile fabrics per ASTM D 638-10/ASTM D 5035-11 prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-12-U109, dated July 24, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.*
17. *Accelerated Weathering Using Xenon Arc light Apparatus per ASTM G 155-05a prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-12-A403, dated July 24, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.*
18. *Test report on Large Missile Impact Test and Cyclic Wind Pressure Test of Gladiator Screening System Flexible Hurricane Wind Abatement System, prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-11-3345, dated December 12, 2011, signed and sealed by Rafael E. Droz-Seda, P.E.*
19. *Test report on Large Missile Impact and Cyclic Wind Pressure of Gladiator Screening System Flexible Hurricane Wind Abatement System, prepared by Hurricane Engineering & Testing, Inc., Report #HETI-11-3344, dated 12/12/11, signed and sealed by Rafael E. Droz-Seda, P.E.*

C. CALCULATIONS

1. *Comparative Analysis and Anchor calculations dated 11/03/12, Pages L-1, L-2, D-1, TR-1, A-1 through A-31, R-1 through R-3, T-1 through T-55, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.*


Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-1206.04
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Atlas Armor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *Fabric specifications.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #14-0811.17

A. DRAWINGS

1. *Drawing No. AD12-60, titled "Gladiator Screening Systems", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated April 03, 2013, last revision #1 dated October 13, 2015, signed and sealed by Yiping Wang, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Anchor calculations dated October 12, 2015, Pages L-1, L-2, D-1, TR-1, A-1 through A-36, R-1 through R-5, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., on October 15, 2015.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *Fabric specifications.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #17-0426.11

A. DRAWINGS

1. *None.*

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.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-1206.04
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Atlas Armor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #19-0415.03

A. DRAWINGS

1. *Drawing No. AD12-60, titled "Atlas Armor Hurricane Screens", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated March 04, 2019, last revision #2 dated March 04, 2019, signed and sealed by Yiping Wang, P.E.*

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.*

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #21-0512.04

A. DRAWINGS

1. *Drawing No. AD12-60, titled "Atlas Armor Hurricane Screens", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated March 04, 2019, last revision #3 dated May 08, 2021, signed and sealed by Yiping Wang, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

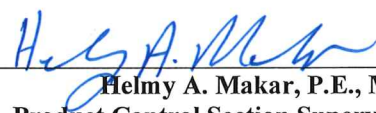
1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-1206.04
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Atlas Armor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #23-0120.02

A. DRAWINGS

1. *Drawing No. 22-54540, titled "Atlas Armor Hurricane Screens", sheets 1 through 10 of 10, prepared by Engineering Express, dated July 22, 2021, last revised on April 05, 2023, signed and sealed by Richard Neet, P.E.*

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.*

7. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 23-68122, titled "Atlas Armor Hurricane Screens", sheets 1 through 11 of 11, prepared by Engineering Express, dated July 22, 2021, last revised on November 02, 2023, signed and sealed by Richard Neet, P.E., on November 20, 2023.*

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, 2023 edition compliance statement letter, prepared by Engineering Express, dated November 03, 2023, signed and sealed by Richard Neet, P.E., on November 27, 2023.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-1206.04
Expiration Date: 04/18/2028
Approval Date: 03/07/2024

ATLAS ARMOR, INC.

ATLAS ARMOR HURRICANE SCREENS

LARGE & SMALL MISSILE IMPACT RESISTANT (MISSILE LEVEL D)

VALID FOR USE INSIDE AND OUTSIDE THE HVHZ (SEE LIMITATIONS HEREIN)

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

RICHARD NEET, P.E.
PE# 86488 CA# 9885

NOVEMBER 20, 2023

FL

NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID FOR USE IN **FLORIDA ONLY**. USE OF THIS EVALUATION REQUIRES A REVIEW & CERTIFICATION BY A LOCAL DESIGN PROFESSIONAL WHO SHALL BE RESPONSIBLE FOR THE PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC PROJECT. CONTACT ENGINEERING EXPRESS FOR ASSISTANCE WITH YOUR PROJECT-SPECIFIC NEEDS & FOR ADAPTATION & CERTIFICATION OF THIS DOCUMENT OUTSIDE OF FLORIDA.

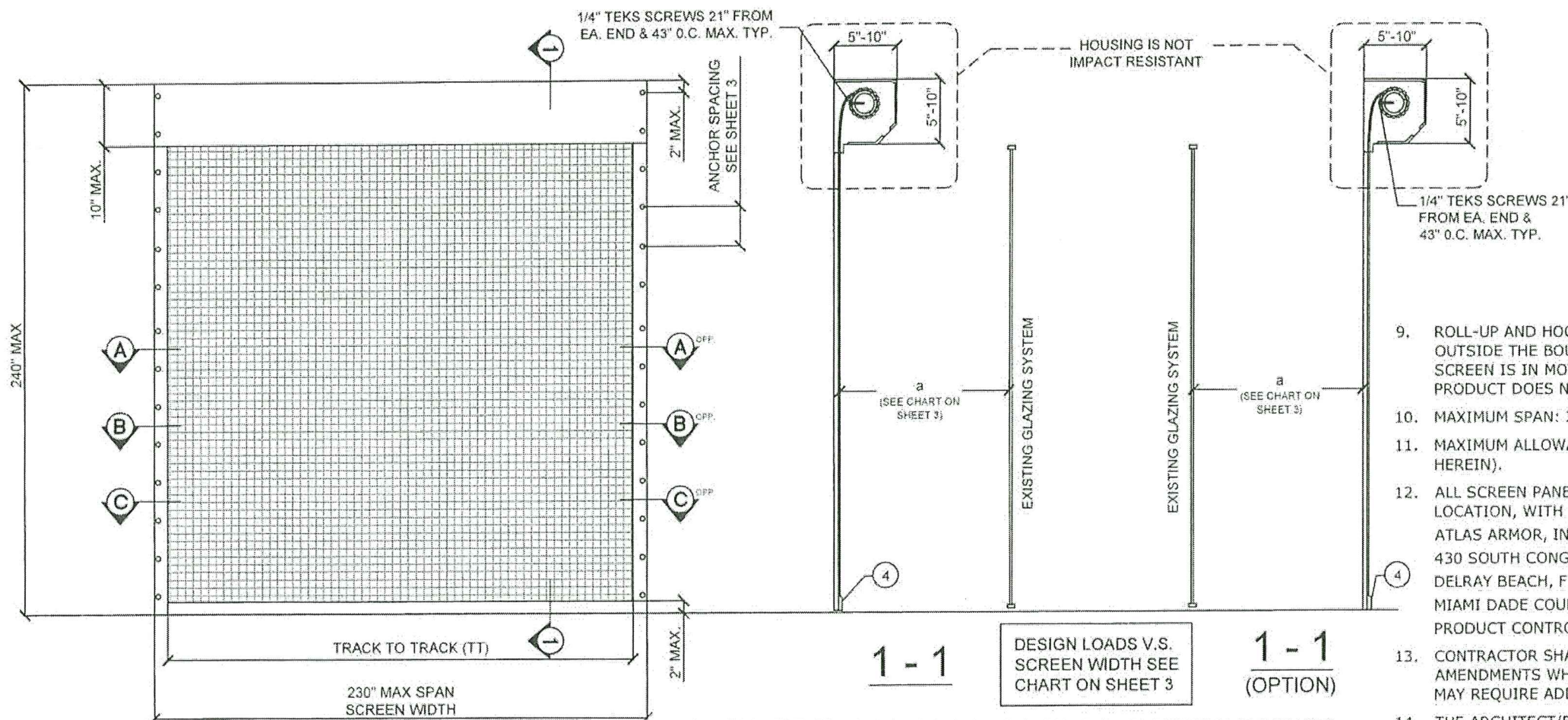
SEE LAST PAGE FOR A PAGE INDEX & DEFINITIONS OF TERMINOLOGY/ ABBREVIATIONS USED HEREIN.

ENGINEERING
EXPRESS

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

ATLAS ARMOR, INC.
430 SOUTH CONGRESS AVENUE, SUITE 3
DELRAY BEACH, FLORIDA 33445
(561) 206-0813

ATLAS ARMOR HURRICANE SCREENS
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)



ATLAS ARMOR HURRICANE SCREEN SYSTEM WITH HOUSING
(L.M.I. & S.M.I.)

GENERAL NOTES:

1. THE ROLLING SCREEN SYSTEM IS A NON-POROUS LARGE/SMALL MISSILE IMPACT PROTECTION DEVICE. IT HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023). FOR USE WITHIN AND OUTSIDE OF THE HIGH-VELOCITY HURRICANE ZONE (HVHZ).
2. 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 STRUCTURAL REQUIREMENTS OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) AS WELL AS CURRENT VERSIONS OF THE FLORIDA RESIDENTIAL CODE, INTERNATIONAL BUILDING CODE AND THE INTERNATIONAL RESIDENTIAL CODE. PRESSURE VALUES IN THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES, U.N.O. DESIGN PRESSURES AS NOTED HEREIN ARE BASED ON A MAXIMUM TESTED PRESSURE DIVIDED BY A 1.5 FACTOR OF SAFETY FOR STATIC WIND LOADS.
3. ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6, U.N.O.

4. THE SYSTEM DESCRIBED HEREIN HAS BEEN TESTED IN ACCORDANCE WITH TAS 201, 202, AND 203 TESTING STANDARDS. THE SYSTEM IS DESIGNED AS LARGE & SMALL MISSILE IMPACT RESISTANT (MISSILE LEVEL D). THE SYSTEM IS ALSO TESTED AS PER ASTM D635, ASTM D2843, ASTM D1929, AND ASTM G155. THE SYSTEM HAS SUCCESSFULLY PASSED THE EXTENDED WEATHERING TEST (ASTM G-155) FOR DAILY USAGE IN FULL SPECTRUM SUNLIGHT.
5. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL. WIND LOAD DURATION FACTOR $C_d = 1.6$ HAS BEEN USED FOR WOOD ANCHOR DESIGN.
6. MATERIALS INCLUDING BUT NOT LIMITED TO METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) SECTION AS APPLICABLE. U.N.O. HEREIN, ALL SCREWS SHALL BE 304 OR 316 STAINLESS STEEL OR CORROSION RESISTANT COATED SAE GR. 5 CARBON STEEL. REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/E.O.R. TO VERIFY THAT THE EXISTING STRUCTURE OR APPROVED MULLION IS DESIGNED TO SUPPORT F_x & F_y FORCES AT END OF TRACK. FOR F_x & F_y REFER TO CHART ON SHEET 3.
8. SCREENS SHALL COVER ENTIRE OPENING ON ALL SIDES.

9. ROLL-UP AND HOOD MECHANISMS ARE NOT PART OF THIS APPROVAL AND ARE OUTSIDE THE BOUNDS OF THIS CERTIFICATION. CARE SHOULD BE TAKEN WHEN SCREEN IS IN MOTION TO ENSURE THAT PERSONAL INJURY OR DAMAGE TO THIS PRODUCT DOES NOT OCCUR.
10. MAXIMUM SPAN: 230.8" (SEE LIMITATIONS HEREIN).
11. MAXIMUM ALLOWABLE DESIGN PRESSURE (ASD): ± 100 psf (SEE LIMITATIONS HEREIN).
12. ALL SCREEN PANELS SHALL BE PERMANENTLY LABELED, IN A READILY VISIBLE LOCATION, WITH AT LEAST ONE LABEL STATING:
ATLAS ARMOR, INC
430 SOUTH CONGRESS AVE, SUITE 3
DELRAY BEACH, FL 33445
MIAMI DADE COUNTY
PRODUCT CONTROL APPROVAL
as complying with the Florida
Building Code
Acceptance No 23-1206.04
Expiration Date 04/18/2028
By *Heidi A. Mohr*
Miami Dade Product Control
13. CONTRACTOR SHALL INVESTIGATE AND CONFORM TO ALL LOCAL BUILDING CODE AMENDMENTS WHICH MAY APPLY. DESIGN CRITERIA BEYOND AS STATED HEREIN MAY REQUIRE ADDITIONAL SITE-SPECIFIC SEALED ENGINEERING.
14. THE ARCHITECT/ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
15. 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. THIS DOCUMENT ALONE IS NOT INTENDED FOR PERMIT.
16. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
17. ENGINEER SEAL AFFIXED HERETO 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.
18. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
19. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

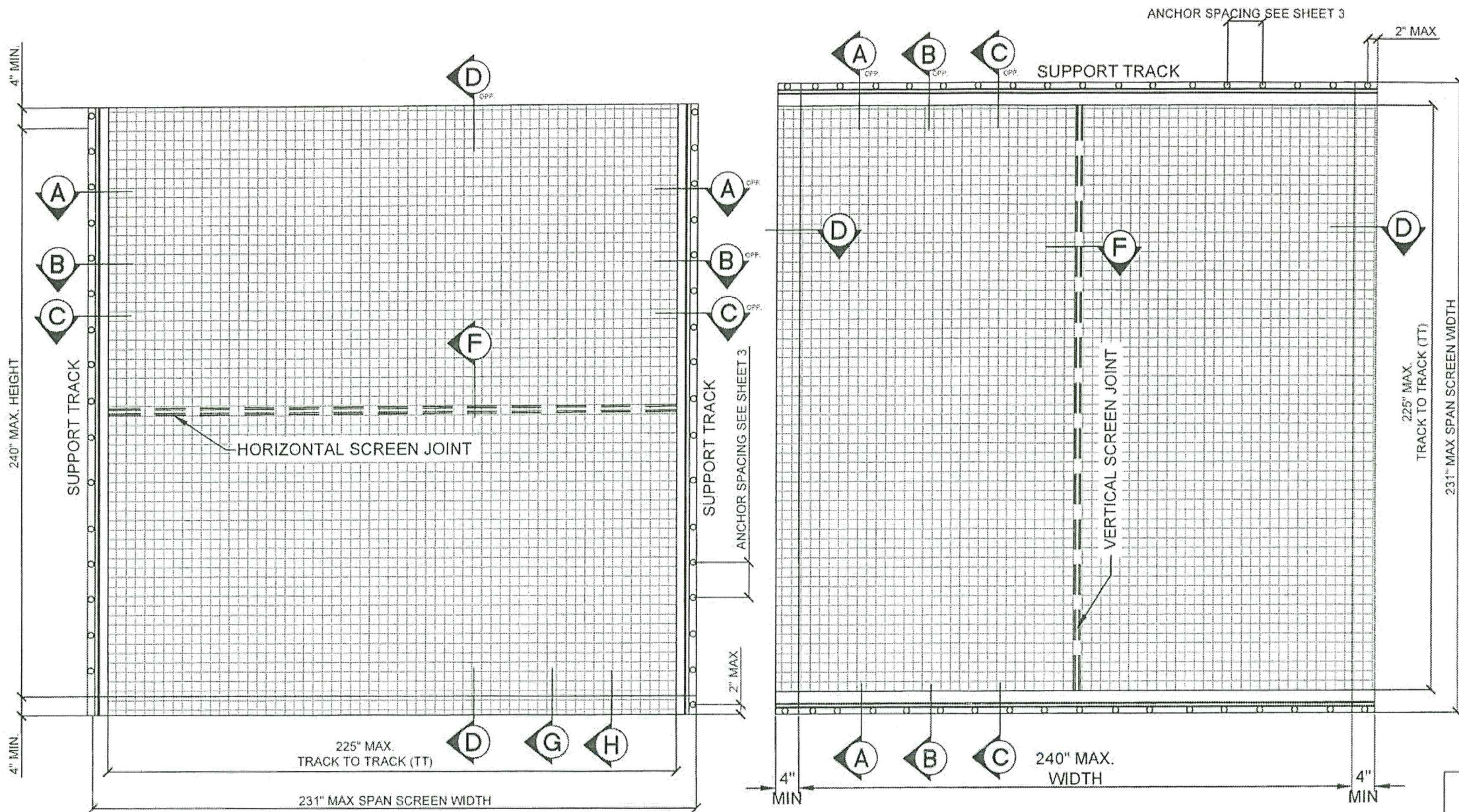
REMARKS	DATE	DRWN	CHKD
PREV SUB NOA 23-0120.02	04/05/23	RVN	RVN
2023 PBC UPDATE	11/02/23	RVN	RVN

23-68122
SCALE: NTS UNLESS NOTED

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11

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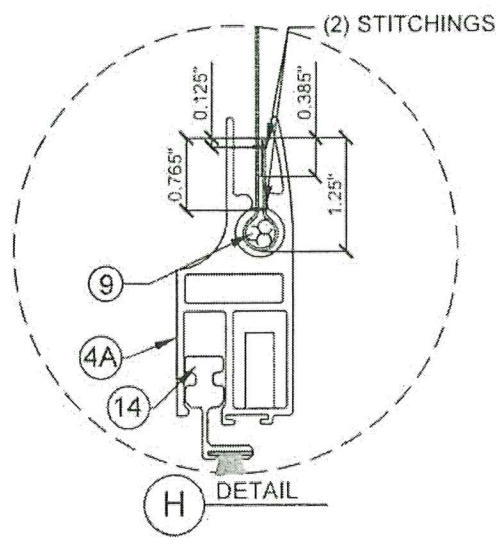
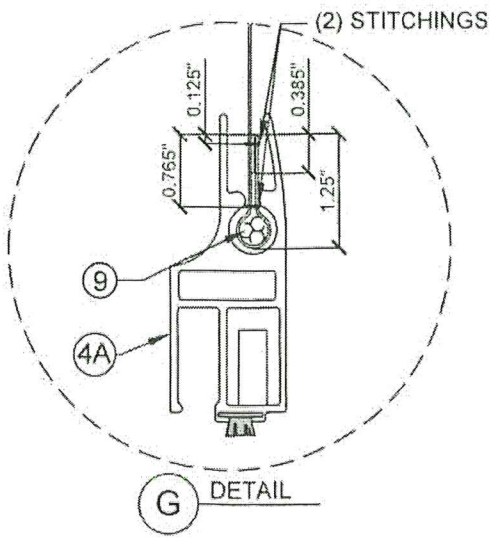
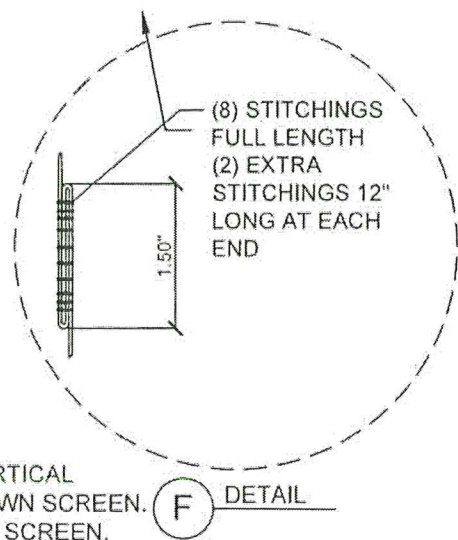
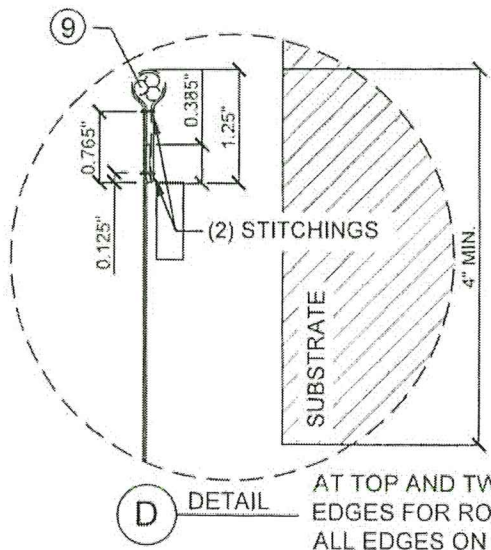


SCREEN ELEVATION
BOTH SIDES SUPPORT

ATLAS ARMOR HURRICANE SCREEN SYSTEM
WITHOUT HOUSING (L.M.I. & S.M.I)

SCREEN ELEVATION
TOP & BOTTOM SUPPORT

DESIGN LOADS V.S.
SCREEN WIDTH SEE
CHART ON SHEET 3



PRODUCT REVISED
as complying with the Florida:
Building Code
Acceptance No. 23-1206.04
Expiration Date 09/18/2028
By H. A. Miller
Miami Data Product Control

RICHARD NEET, P.E.
PE# 86488 CA# 9885

NOVEMBER 20, 2023

FL

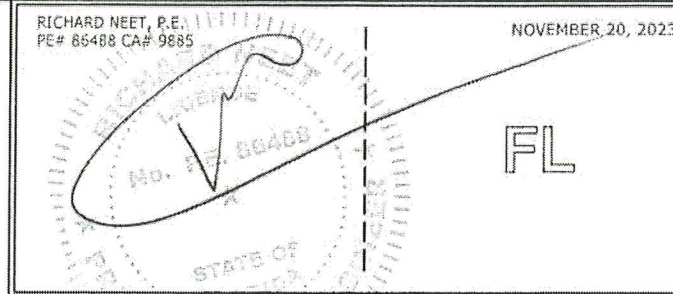
EXENGINEERING
EXPRESS

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

ATLAS ARMOR, INC.
430 SOUTH CONGRESS AVENUE, SUITE 3
DELRAY BEACH, FLORIDA 33445
(561) 206-0813

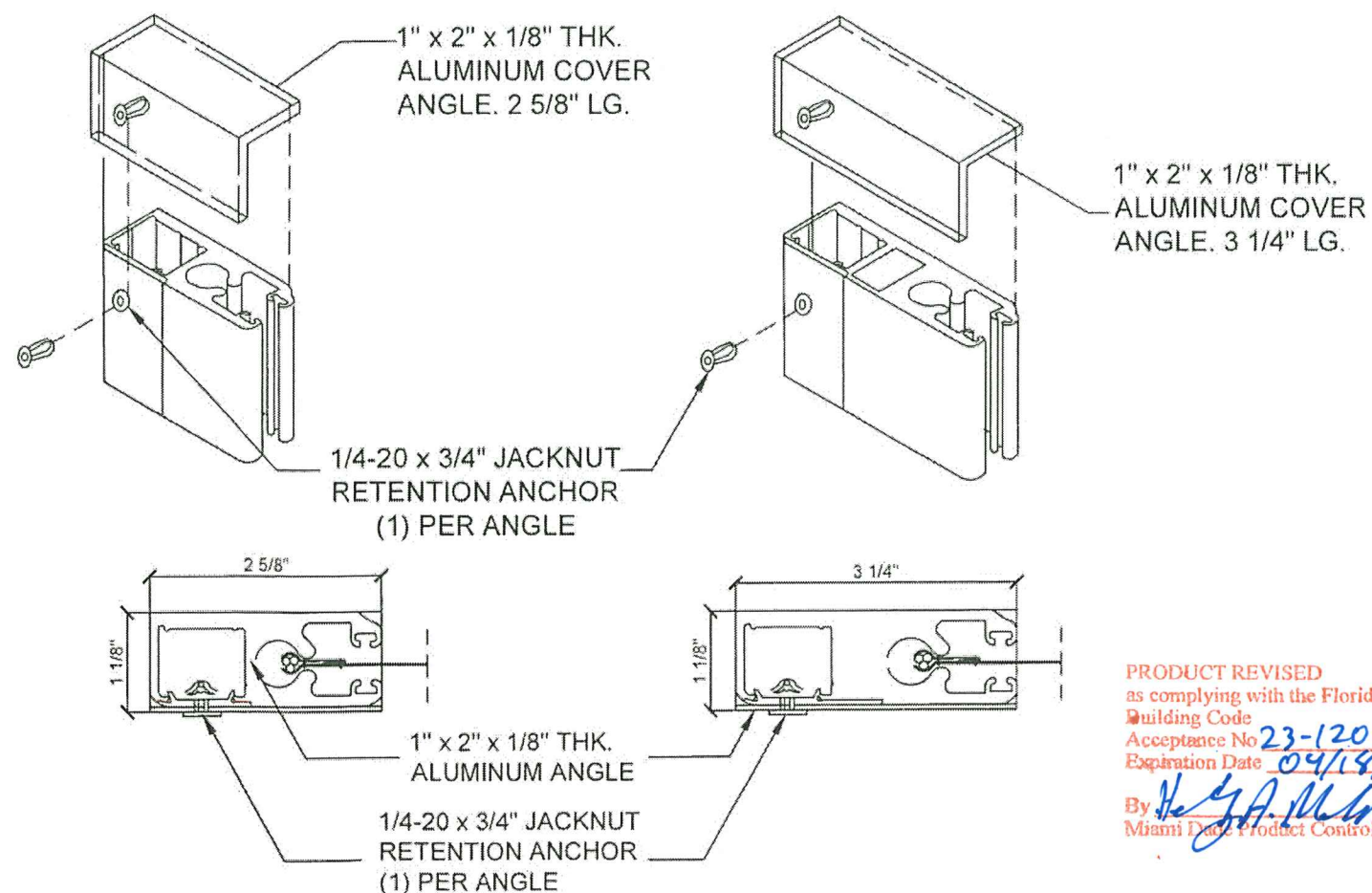
ATLAS ARMOR HURRICANE SCREENS
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)

REMARKS	DRWN/CHKD	DATE
PREV SUB NOA 23-0120.02	EPR RWN	04/05/23
2023 FBC UPDATE	EPR RWN	11/02/23
COPYRIGHT ENGINEERING EXPRESS		
23-68122		
SCALE: NTS UNLESS NOTED		
2		11



MAX. DESIGN LOAD (psf)	SPAN / SCREEN WIDTH (in)	END REACTIONS AT TRACK		GLASS SEPARATION	ANCHOR SPACING (in)														
					DETAIL A					DETAIL B					DETAIL C				
		Fx	Fy	a	OPTION 1	OPTION 2	OPTION 3		OPTION 4	OPTION 1	OPTION 2	OPTION 3		OPTION 4	OPTION 1	OPTION 2	OPTION 3		OPTION 4
		lb/ft	lb/ft	in	CONC.	CONC.	STEEL	ALUM.	WOOD	CONC.	CONC.	STEEL	ALUM.	WOOD	CONC.	CONC.	STEEL	ALUM.	WOOD
≤ 50	0 to 84.0	602	175	9.7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.9	5.5	5.5	5.5	5.5	5.5
	120.0	685	250	15.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.2	5.5	5.5	5.5	5.5	5.5
	156.0	734	325	21.7	5.5	5.5	5.5	5.5	5.0	5.5	5.5	5.5	5.5	3.9	5.5	5.5	5.5	5.5	5.0
	192.0	761	400	29.9	5.4	5.5	5.5	5.5	4.5	5.4	5.5	5.5	5.5	-	5.5	5.5	5.5	5.5	4.7
	230.8	774	481	40.6	5.0	5.5	5.5	5.5	4.0	5.1	5.5	5.5	5.5	-	5.5	5.5	5.5	5.5	4.5
≤ 65	0 to 72.0	732	195	9.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.1	5.5	5.5	5.5	5.5	5.3
≤ 80	0 to 84.0	964	280	9.7	5.1	5.5	5.5	5.3	4.6	-	5.5	5.5	5.3	-	5.5	5.5	5.5	5.5	4.0
	120.0	1097	400	15.0	-	5.5	5.5	4.4	3.7	-	4.8	5.5	4.5	-	5.5	5.5	5.5	5.5	5.5
	156.0	1175	520	26.8	-	4.9	5.5	3.9	3.2	-	-	5.5	4.0	-	5.5	5.5	5.5	5.5	-
≤ 100	0 to 79.0	1205	350	10.0	-	5.4	5.5	4.2	3.7	-	4.5	5.3	4.2	-	5.5	5.5	5.5	5.5	-

1. SEE DETAIL ABOVE CHART FOR A DETAIL SHOWING THE END REACTIONS AT TRACK.
2. GLASS SEPARATION IS DEFINED AS THE DISTANCE FROM THE INSIDE FACE OF THE FABRIC SCREEN TO THE OUTSIDE SURFACE OF THE EXISTING GLAZING.
3. SEPARATION FROM GLAZING IS REQUIRED FOR ALL INSTALLATIONS WITHIN THE HIGH VELOCITY HURRICANE ZONE, OR ANY OTHER LOCATION REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
4. SEPARATION IS NOT REQUIRED FROM ANY FENESTRATION PRODUCT THAT DOES NOT CONTAIN GLAZING.
5. LINEAR INTERPOLATION OF THIS TABLE IS NOT PERMITTED.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 23-1206.04
Expiration Date 04/18/2028
By: H. G. A. M. W.
Miami Data Product Control

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ATLAS ARMOR, INC.
1430 SOUTH CONGRESS AVENUE, SUITE 3
DELRAY BEACH, FLORIDA 33445

ATLAS ARMOR HURRICANE SCREENS
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)

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23-68122

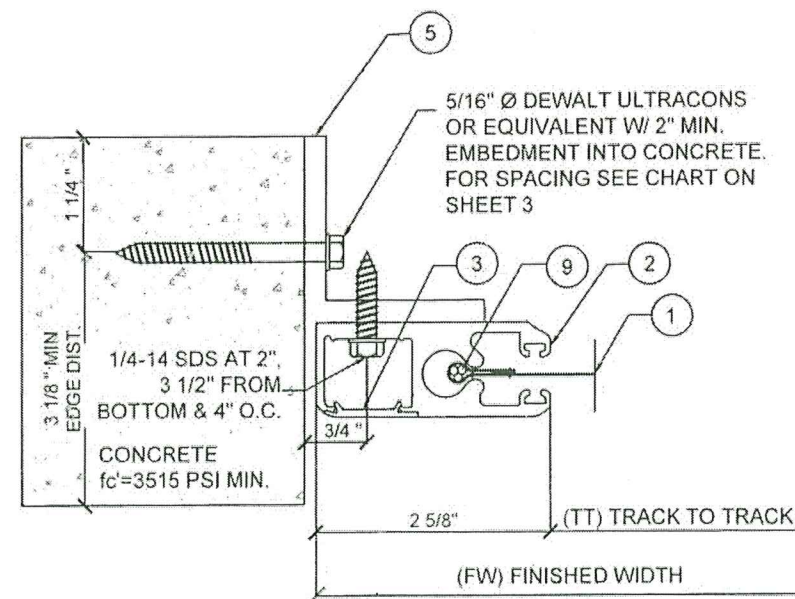
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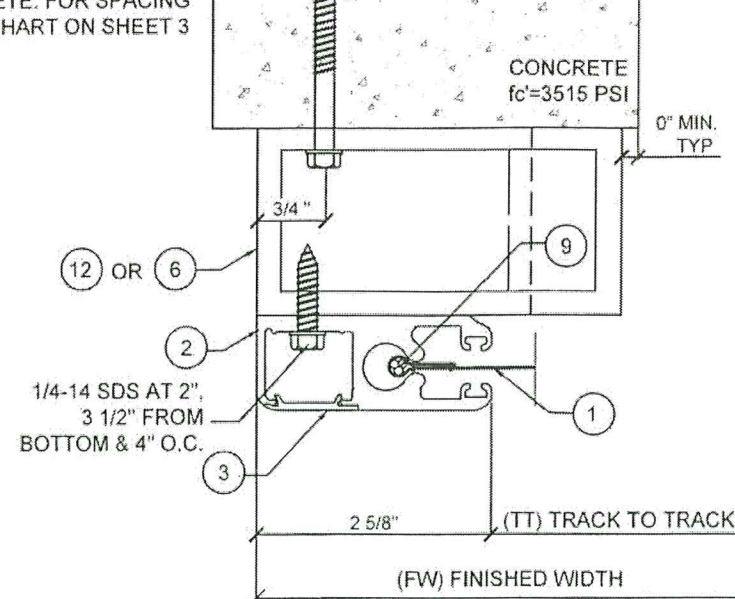
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DETAILS WITH STANDARD TRACKS



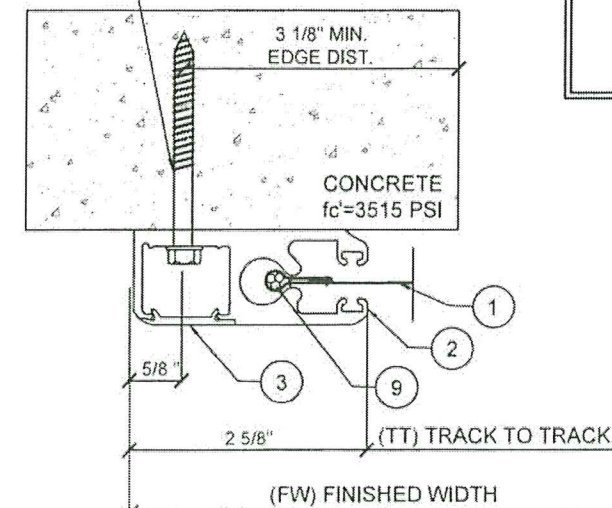
A OPTION 1

5/16" Ø DEWALT ULTRACONS OR EQUIVALENT W/ 2" MIN. EMBEDMENT INTO CONCRETE. FOR SPACING SEE CHART ON SHEET 3



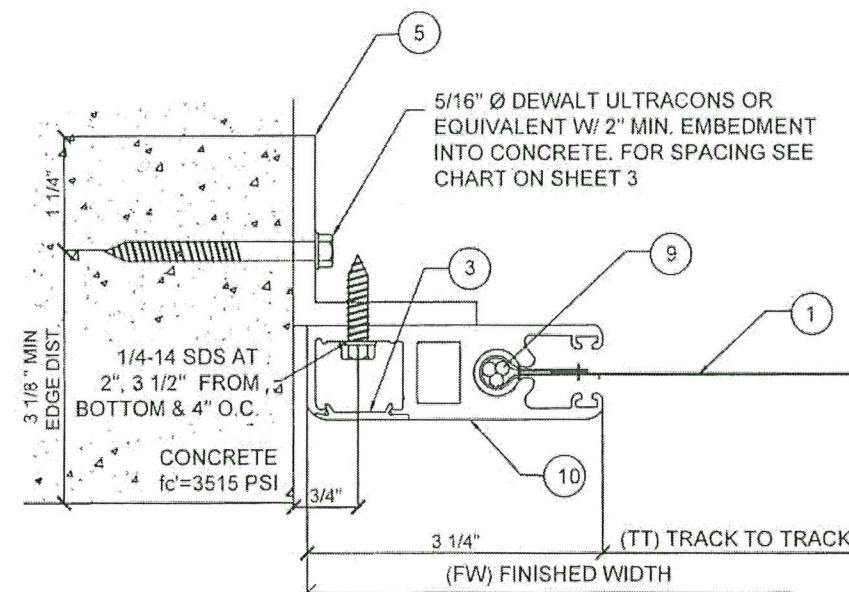
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5/16" Ø DEWALT ULTRACONS OR EQUIVALENT W/ 2" MIN. EMBEDMENT INTO CONCRETE. FOR SPACING SEE CHART ON SHEET 3



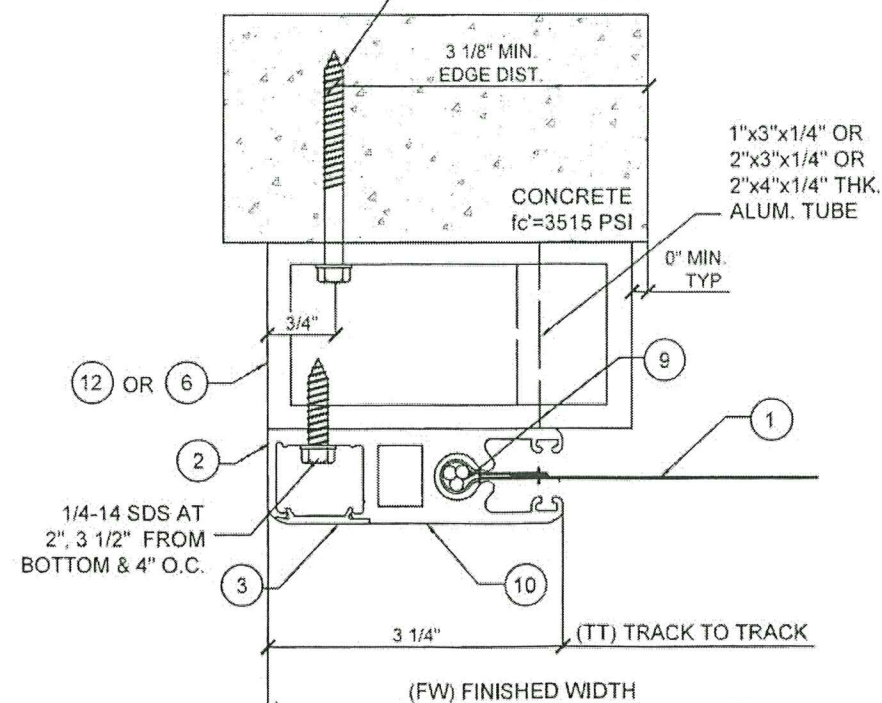
C OPTION 1

DETAILS WITH HEAVY DUTY TRACKS



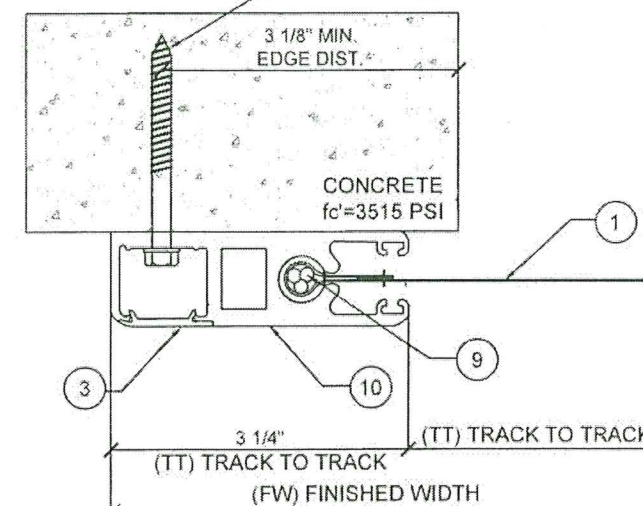
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5/16" Ø DEWALT ULTRACONS OR EQUIVALENT W/ 2" MIN. EMBEDMENT INTO CONCRETE. FOR SPACING SEE CHART ON SHEET 3



B OPTION 1

5/16" Ø DEWALT ULTRACONS OR EQUIVALENT W/ 2" MIN. EMBEDMENT INTO CONCRETE. FOR SPACING SEE CHART ON SHEET 3



C OPTION 1

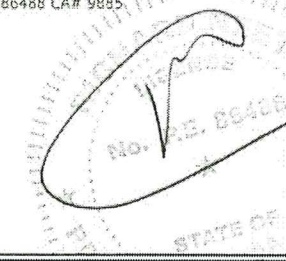
ANCHOR

5/16" DIA. ULTRAICON BY 'DEWALT' ($F_y = 155$ ksi, $F_u = 177$ ksi) OR EQUIVALENT

ATTACHMENT TO CONCRETE
 $f_c=3515$ PSI MIN.

RICHARD NEET, P.E.
PE# 86488 CA# 9885

NOVEMBER 20, 2023



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ATLAS ARMOR, INC.

430 SOUTH CONGRESS AVENUE, SUITE 3
DELRAY BEACH, FLORIDA 33445
(561) 206-0813

ATLAS ARMOR HURRICANE SCREENS

FLORIDA BUILDING CODE EIGHTH EDITION (2023)

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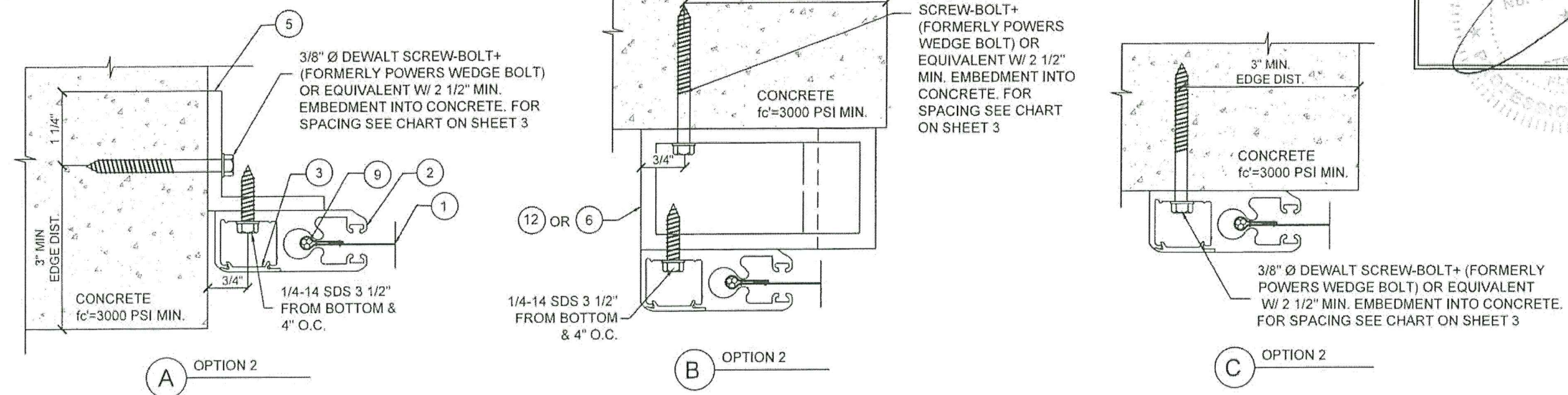
By H. G. A. Mohr
Miami Dade Product Control

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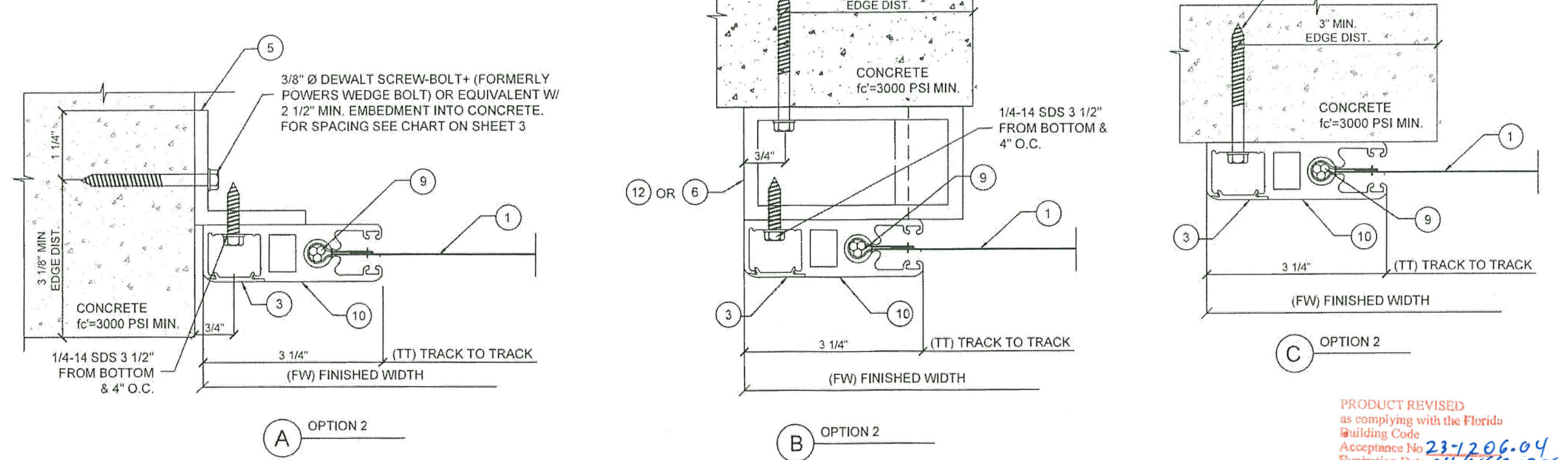
RICHARD NEET, P.E.
PE# 86488 CA# 9885

NOVEMBER 20, 2023

DETAILS WITH STANDARD TRACKS



DETAILS WITH HEAVY DUTY TRACKS



ANCHOR
3/8" DIA. SCREW-BOLT+ BY 'DEWALT' OR EQUIVALENT
(FORMERLY POWERS WEDGE BOLT (Fy = 155 ksi, Fu = 177 ksi))

ATTACHMENT TO CONCRETE
f'c=3000 PSI MIN.

PRODUCT REVISED
as complying with the Florida
Building Code
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By *He G. A. M. M.*
Miami Dade Product Control

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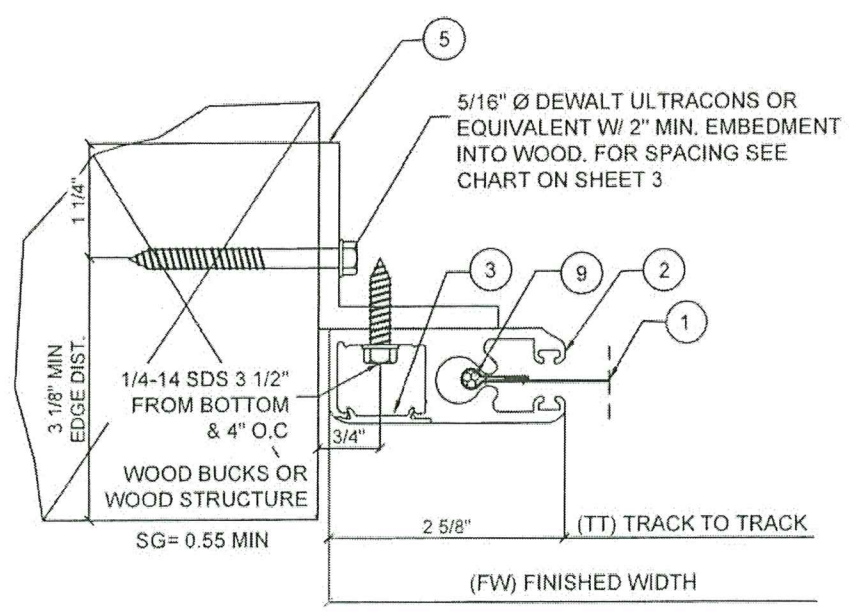
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ATLAS ARMOR HURRICANE SCREENS
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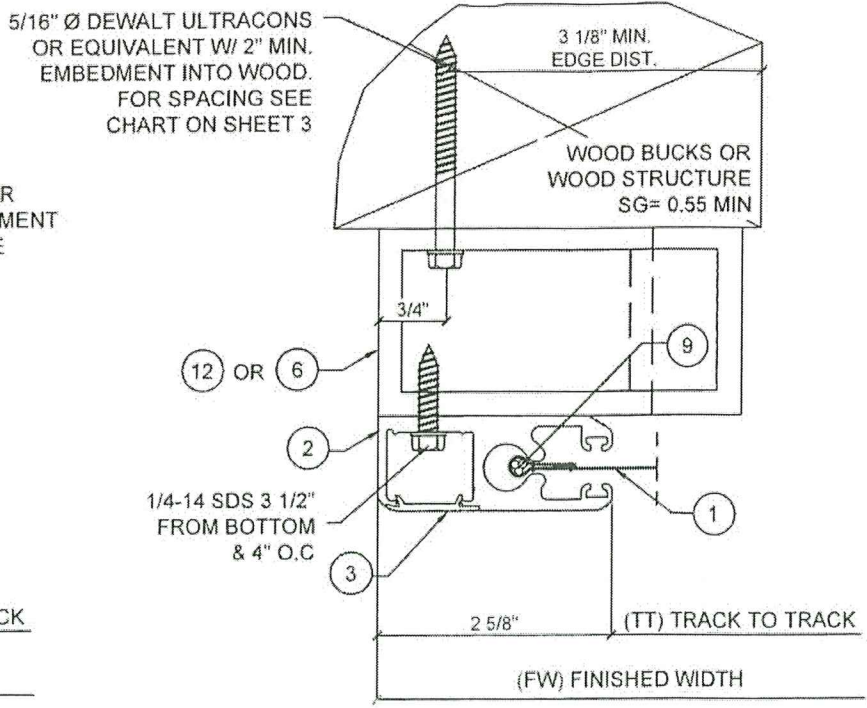
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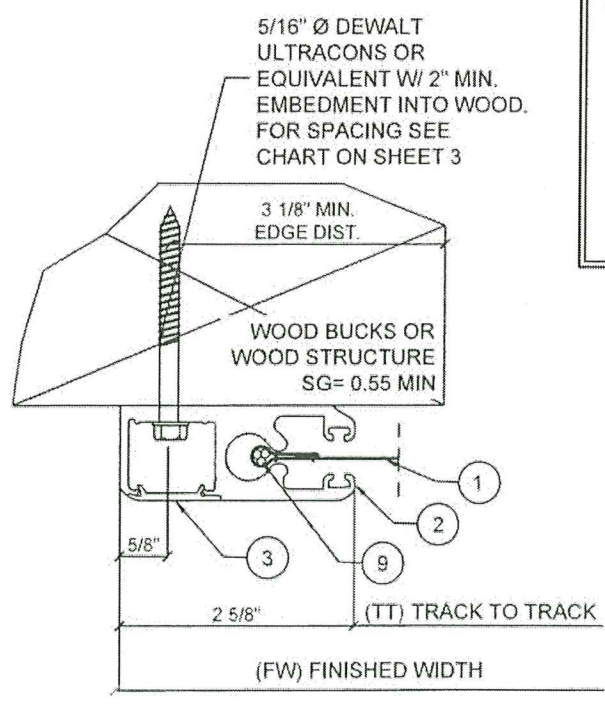
DETAILS WITH STANDARD TRACKS



A OPTION 4

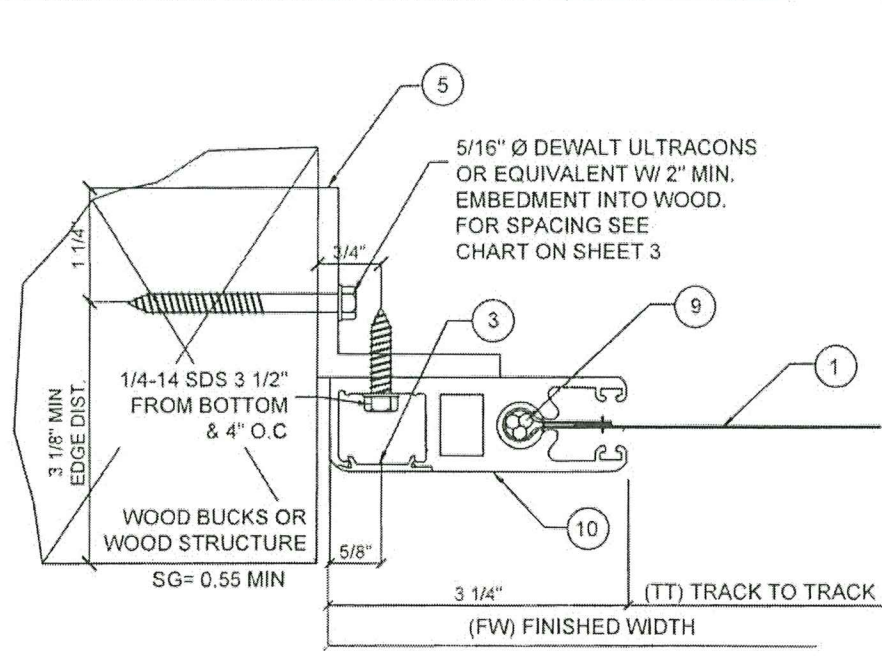


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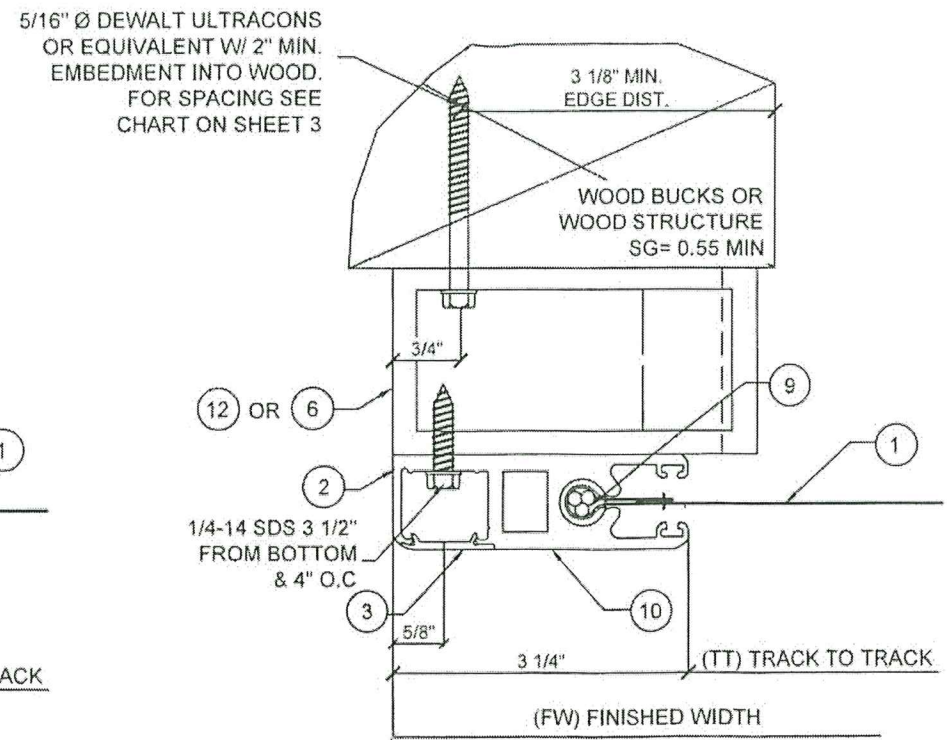


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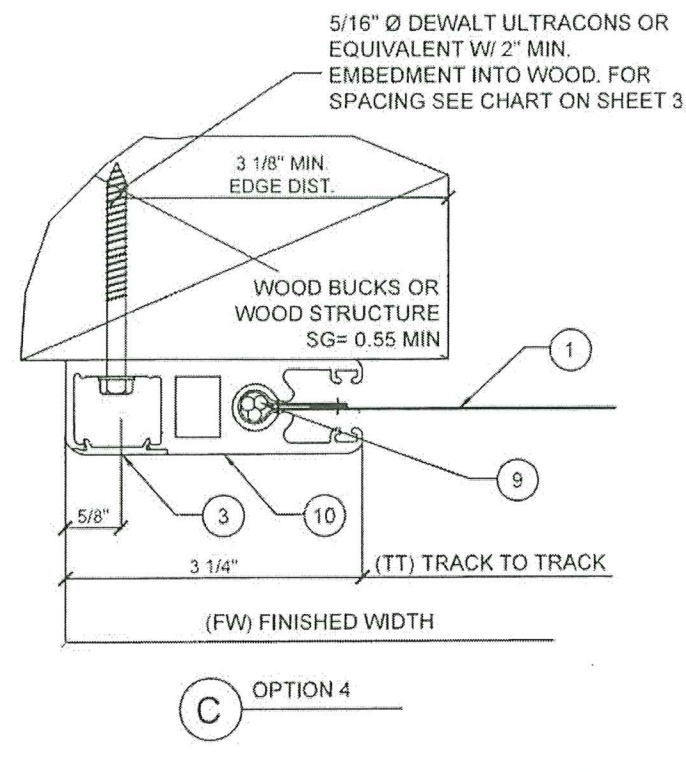
DETAILS WITH HEAVY DUTY TRACKS



A OPTION 4



B OPTION 4



C OPTION 4

ANCHOR
5/16" DIA. ULTRACON BY 'DEWALT' (Fy = 155 ksi, Fu = 177 ksi)
OR EQUIVALENT

ATTACHMENT TO WOOD
SG=0.55 MIN

RICHARD NEET, P.E.
PE# 86488 CA# 9885

NOVEMBER 20, 2023

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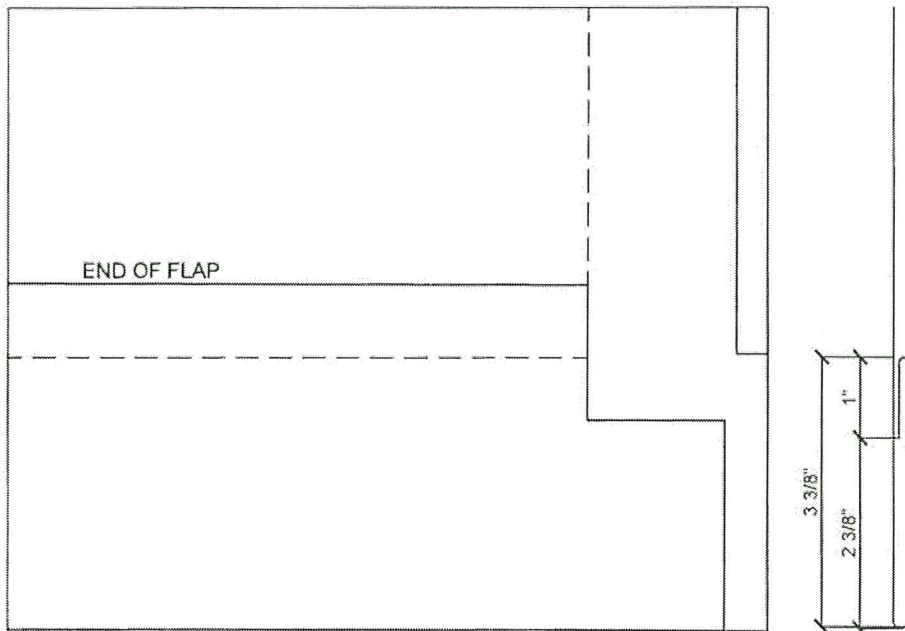
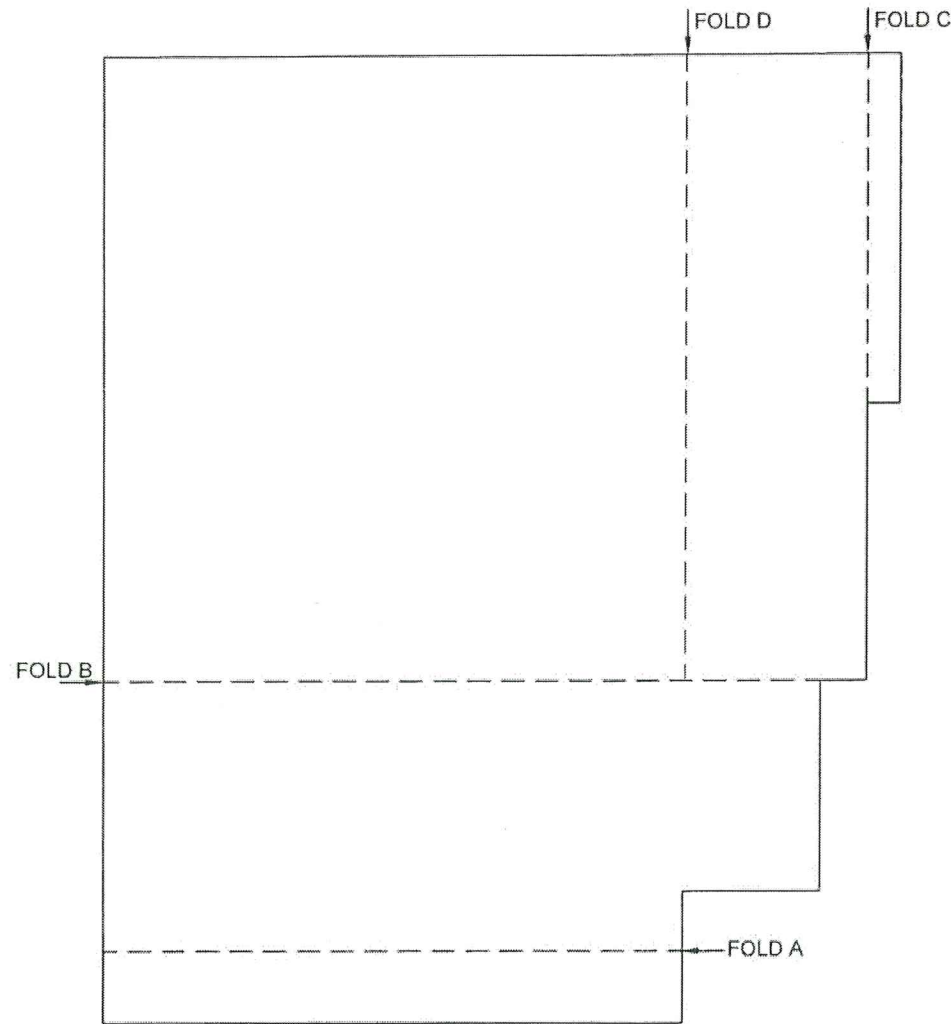
By: *Healy A. Miller*
Miami Dad Product Control

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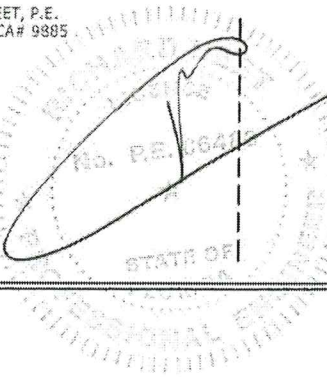
1 SCREEN BOTTOM EDGE

SUMMARY OF TEST RESULTS				
TEST STANDARDS	DESCRIPTION	TEST RESULT	MIAMI-DADE COUNTY CRITERIA	HURRICANE ENGINEERING & TESTING (HETI) #
ASTM D1929-96	SELF-IGNITION TEMPERATURE (SIT)	SIT = 751° F	ACCEPTABLE IF > 650° F	TEL-01700388C
ASTM D635	RATE OF BURNING (CC1 / C-1)	CC1/C-1 < 1.0 in/min	PASS IF < 1.0 in/min	HETI-12-F108
ASTM D635	AVERAGE TIME OF BURNING	---	---	HETI-12-F108
ASTM D635	AVERAGE EXTENT OF BURNING	---	---	HETI-12-F108
ASTM D2843-99	SMOKE DENSITY (SDR)	SDR = 10.6%	ACCEPTABLE IF < 75%	TEL-01700388B
ASTM G155-05a	ACCELERATED WEATHERING	+7.2% DIFFERENCE	ACCEPTABLE IF < 10%	HETI-12-A403

BREAKING STRENGTH & ELONGATION OF TEXTILE FABRICS				
TEST	MAX. FORCE	ELONGATION	HURRICANE ENGINEERING & TESTING (HETI) #	
ASTM D638 & ASTM D5035-11	473.0 lb/in	98.60%	HETI-12-U109	WEAK DIRECTION
ASTM D638 & ASTM D5035-11	438.8 lb/in	94.80%	HETI-12-U108	WEAK DIRECTION
ASTM D1683-AA1	231.7 lb/in	25.00%	HETI-12-T123	AT SEWN SEAMS
ASTM D5034-09	742.6 lb/in	19.60%	HETI-12-T122	STRONG DIRECTION
ASTM D5034-09	449.8 lb/in	74.60%	HETI-12-T121	WEAK DIRECTION

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Miami Product Control

RICHARD NEET, P.E.
PE# 86488 CA# 9885



NOVEMBER 20, 2023

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(561) 206-0813

ATLAS ARMOR HURRICANE SCREENS
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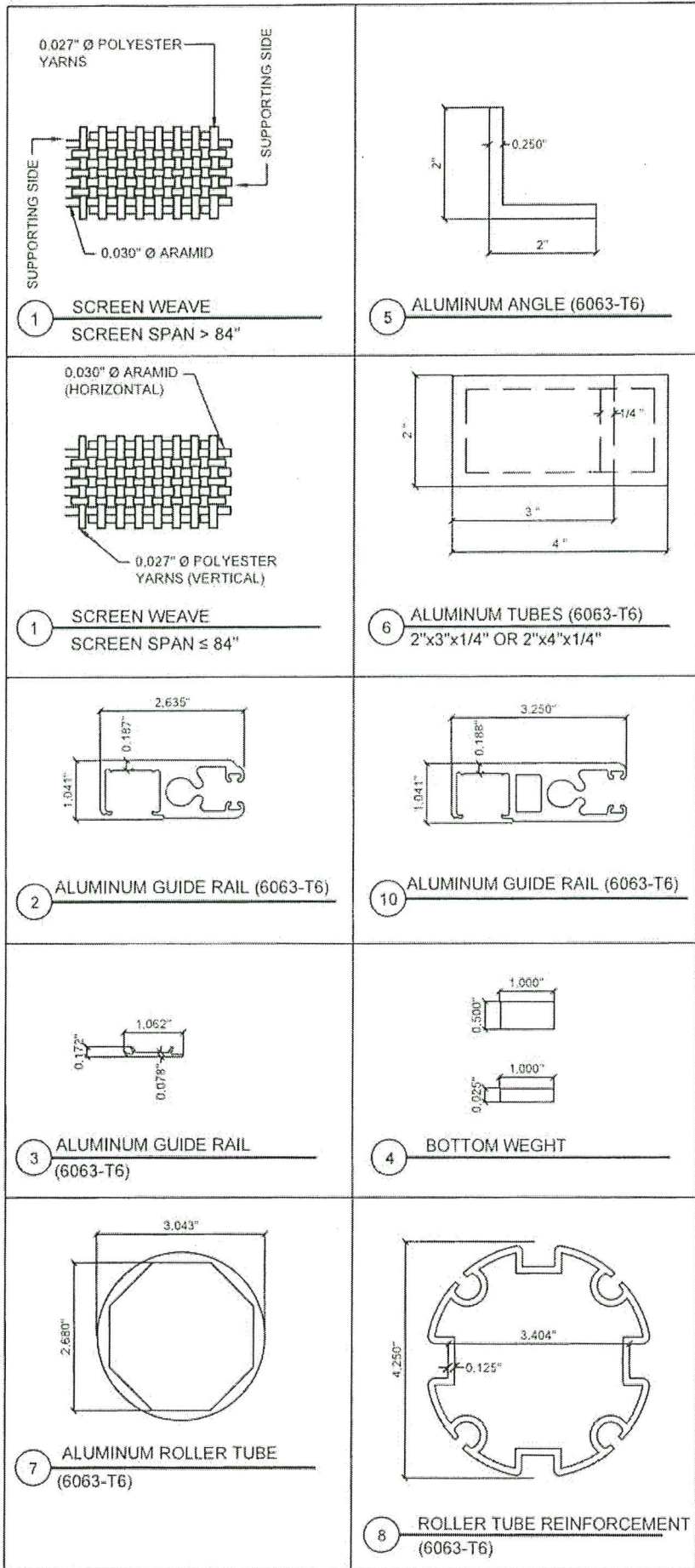
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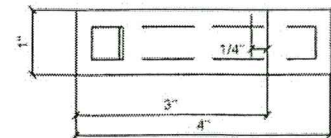
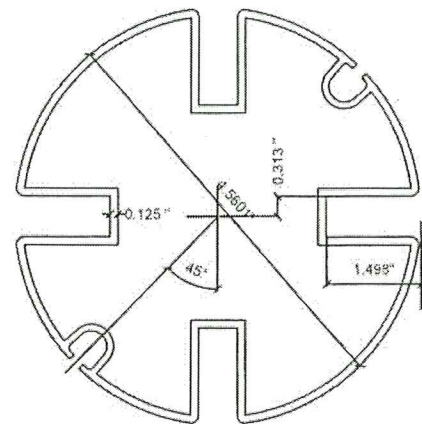
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OF 11

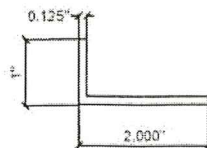
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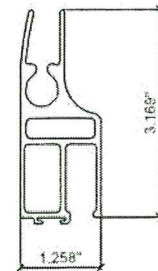
ITEM #	QTY.	PROFILE	DESCRIPTION	MATERIAL	MANUFACTURER / REMARKS
1	AS REQD.	T03A15899	SCREEN WOVEN	POLYESTER & ARAMID	0.045" THICK / TWITCHELL CORP.
2	2 EACH	-	STANDARD GUIDE RAIL	ALUM. 6063-T6	ATLAS ARMOR
3	2 EACH	-	GUIDE RAIL CAP	ALUM. 6063-T6	ATLAS ARMOR
4	1 OR 2 EACH	-	BOTTOM WEIGHT	STEEL	ATLAS ARMOR
4A	AS REQD.	-	BOTTOM WEIGHT BAR (US PATENT # 9382752)	ALUM. 6063-T6	ATLAS ARMOR
5	AS REQD.	-	ALUMINUM ANGLE	ALUM. 6063-T6	ATLAS ARMOR
6	AS REQD.	-	ALUMINUM TUBE	ALUM. 6063-T6	ATLAS ARMOR
7	AS REQD.	-	ROLLER TUBE	ALUM. 6063-T6	ATLAS ARMOR
8	AS REQD.	-	ROLLER TUBE REINFORCEMENT	ALUM. 6063-T6	ATLAS ARMOR
9	1 PER SIDE	0.325 DIA.	(3) 5/16" - BRAIDED ROPE	POLYPROPYLENE	ATLAS ARMOR
10	2 EACH	-	HEAVY DUTY GUIDE RAIL	ALUM. 6063-T6	ATLAS ARMOR
11	AS REQD.	-	ROLLER TUBE REINFORCEMENT	ALUM. 6063-T6	ATLAS ARMOR
12	AS REQD.	-	ALUMINUM TUBE	ALUM. 6063-T6	ATLAS ARMOR
13	AS REQD.	-	ALUMINUM ANGLE COVER 1" x 2" x 1/8"	ALUM. 6063-T6	ATLAS ARMOR
14	AS REQD.	-	SELF-ADJUSTING BOTTOM BLADE	ALUM. 6063-T6	ATLAS ARMOR



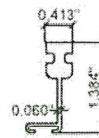
12 ALUMINUM TUBES (6063-T6)
1"x3"x1/4" OR 1"x4"x1/4"



13 ALUMINUM ANGLE (6063-T6)



4A BOTTOM WEIGHT BAR (ALUM.6063-T6)



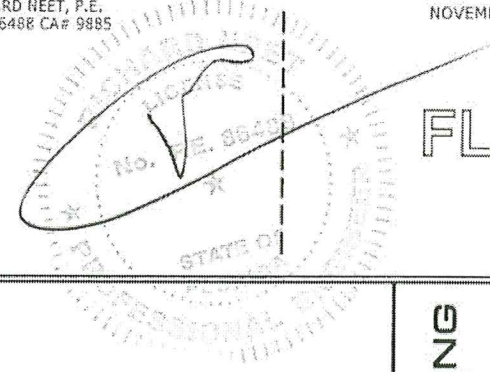
14 SELF ADJUSTING BOTTOM BLADE (ALUM.6063-T5)

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Building Code
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Expiration Date 04/14/2028
By *Heg A. Mohr*
Miami Dade Product Control

NOTE: PER PAGE 6, ANY 1/4" MIN. THICK MIAMI-DADE COUNTY APPROVED ALUMINUM OR STEEL MULLION MAY BE USED WITH THIS SYSTEM. SEE PAGE 6 FOR INSTALLATION DETAILS AND LIMITATIONS/REQUIREMENTS. (MULLION BY OTHERS).

RICHARD NEET, P.E.
PE# 85488 CA# 9885

NOVEMBER 20, 2023



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(561) 206-0813

ATLAS ARMOR HURRICANE SCREENS

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