



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  
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[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**NOTICE OF ACCEPTANCE (NOA)**

**Armor Screen Corporation**  
**2744 Hillsboro Road**  
**West Palm Beach, FL 33405**

**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: "Armor Screen Series 2000" Flexible Wind Abatement System**

**APPROVAL DOCUMENT:** Drawing No. AS-001, titled "Armor Screen Series 2000 Flexible Wind Abatement/ Impact Protection System", sheets 1 through 8 of 8, prepared by Armor Screen Corporation, last revision dated October 23, 2023, signed and sealed by Gordon M. DiBattisto, P.E., on November 14, 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 screen 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 **revise and renews NOA #20-1215.14** 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*  
02/15/24

NOA No. 23-1120.03  
Expiration Date: 01/07/2029  
Approval Date: 02/15/2024

**Armor Screen Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 99-0526.01**

**A. DRAWINGS**

1. *Drawing No. AS-001, titled "Armor Screen Series 2000 Wind Abatement System", prepared by Thomas J. Rogers, P.E., dated June 28, 1998, sheets 1 through 6 of 6, signed and sealed by Thomas J. Rogers, P.E.*

**B. TESTS**

1. *Test report on Large Missile Impact Test and Cyclic Wind Pressure Test of **Armor Screen Series 2000 Wind Abatement System**, prepared by Hurricane Test Laboratory, Inc., Report No. 0139-0305-98, dated July 23, 1998, signed and sealed by Timothy S. Marshall, P.E.*
2. *Test report on Static Wind Pressure Test of **Armor Screen Series 2000 Wind Abatement System**, prepared by Hurricane Test Laboratory, Inc., Report No. 0139-0604-98, dated July 23, 1998, signed and sealed by Timothy S. Marshall, P.E.*
3. *Test report on Large Missile Impact Test and Cyclic Wind Pressure Test of **Armor Screen Series 2000 Wind Abatement System**, prepared by Hurricane Test Laboratory, Inc., dated November 24, 1998, signed by Vinu J. Abraham.*

**C. CALCULATIONS**

1. *Anchor calculations, dated July 14, 1998, pages 1 through 10 of 10, prepared by Thomas J. Rogers, P.E., signed and sealed by Thomas J. Rogers, P.E.*
2. *Anchor calculations, dated October 4, 1999, pages 1 through 6 of 6, prepared by Thomas J. Rogers, P.E., signed and sealed by Thomas J. Rogers, P.E.*

**D. MATERIAL CERTIFICATIONS**

1. *Mill certified Inspection Report with chemical composition and physical properties of Woven Monofilament Geotextile.*

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #03-1204.01**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. MATERIAL CERTIFICATIONS**

1. *None.*



**Helmy A. Makar, P.E., M.S.**  
Product Control Section Supervisor  
NOA No. 23-1120.03  
Expiration Date: 01/07/2029  
Approval Date: 02/15/2024

**Armor Screen Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0424.04**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 08-1008.03**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test, and Static Wind Pressure Test of Armor Screen Series 2000 Wind Abatement System, prepared by Fenestration Testing Laboratory, Inc., Report No. 5651-02, dated 06/21/08, signed and sealed by Carlos S. Rionda, P.E., and Michael Wenzel. P.E.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building Code Compliance Office.*

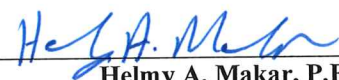
**E. MATERIAL CERTIFICATIONS**

1. *None.*

**5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-0223.12**

**A. DRAWINGS**

1. *Drawing No. AS-001, titled "Armor Screen Series 2000 Flexible Wind Abatement/ Impact Protection System", sheets 1 through 8 of 8, prepared, signed and sealed by Gary D. Foreman, P.E., last revision dated May 17, 2012.*



Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor

NOA No. 23-1120.03

Expiration Date: 01/07/2029

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**Armor Screen Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**B. TESTS**

1. *Test report on Self-Ignition Temperature, Rate of Burning, and Smoke Density test of Composite Material (Armor Screen Series 2000 Wind Abatement System), prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-12-F105, dated April 11, 2012, signed and sealed by Rafael E. Droz-Seda, P.E.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**F. OTHERS**

1. *Letters from David M. Jones of Tencate, dated April 02 & 14, 2012, certifying the Weathering Test Per G154 (5100 hours at 92% tensile retention) performed is harsher than G155 (4500 hours) required.*

**6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 13-0710.01**

**A. DRAWINGS**

1. *Drawing No. AS-001, titled "Armor Screen Series 2000 Flexible Wind Abatement/ Impact Protection System", sheets 1 through 9 of 9, prepared by Armor Screen Corporation, last revision dated 06/06/2013, signed & sealed by Eugenio M. Santiago, P.E., on June 19, 2013.*

**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. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 15-0518.04**

**A. DRAWINGS**

1. *Drawing No. AS-001, titled "Armor Screen Series 2000 Flexible Wind Abatement/ Impact Protection System", sheets 1 through 9 of 9, prepared by Armor Screen Corporation, last revision dated June 06, 2013, signed & sealed by Eugenio M. Santiago, P.E., on 05/12/2015.*



Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor

NOA No. 23-1120.03

Expiration Date: 01/07/2029

Approval Date: 02/15/2024

**Armor Screen Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**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.*

**8. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 18-0122.05**

**A. DRAWINGS**

1. *Drawing No. AS-001, titled "Armor Screen Series 2000 Flexible Wind Abatement/ Impact Protection System", sheets 1 through 9 of 9, prepared by Armor Screen Corporation, last revision dated 01/11/2018, signed and sealed by Theodore Berman, P.E., on 01/11/2018.*

**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.*

**9. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 18-1128.01**

**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. 23-1120.03

Expiration Date: 01/07/2029

Approval Date: 02/15/2024

**Armor Screen Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**10. NEW EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 20-1215.14**

**A. DRAWINGS**

1. *Drawing No. AS-001, titled "Armor Screen Series 2000 Flexible Wind Abatement/ Impact Protection System", sheets 1 through 9 of 9, prepared by Armor Screen Corporation, last revision dated October 19, 2020, signed and sealed by Theodore Berman, P.E., on December 12, 2020.*

**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, 2020 Edition compliance letter issued by Ted Berman and Associates, LLC, dated 12/12/2020, signed and sealed by Theodore Berman, P.E., on 12/12/2020.*

**11. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. AS-001, titled "Armor Screen Series 2000 Flexible Wind Abatement/ Impact Protection System", sheets 1 through 8 of 8, prepared by Armor Screen Corporation, last revision dated October 23, 2023, signed and sealed by Gordon M. DiBattisto, P.E., on November 14, 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 letter issued by DOP Engineering, dated 11/17/2023, signed and sealed by Gordon M. DiBattisto, P.E., on 11/17/2023.*

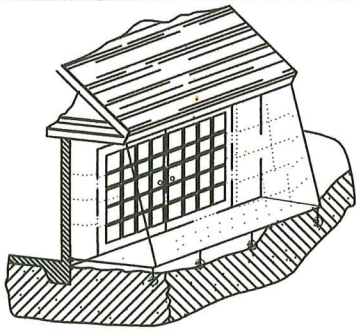


**Helmy A. Makar, P.E., M.S.**  
**Product Control Section Supervisor**

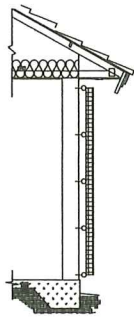
**NOA No. 23-1120.03**

**Expiration Date: 01/07/2029**

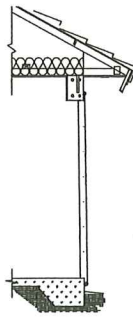
**Approval Date: 02/15/2024**



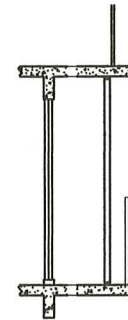
Examples of typical installations



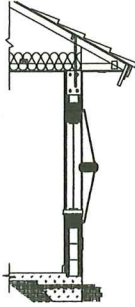
HORIZONTAL



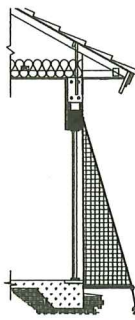
VERTICAL



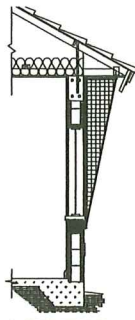
BALCONY



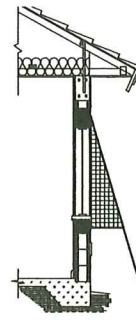
STORM BAR



ANGLED



INVERTED



WINDOW

RENDERING NOT TO SCALE

**GENERAL NOTES:**

- This Wind Abatement / Impact Hurricane Protection System is designed and tested to comply with the High Velocity Hurricane Zone (HVHZ) of the Florida Building Code, 8th Edition (2023).
- For use with 2023 FBC, the design pressures as determined from Section 1620 and ASCE 7-22 must be multiplied by 0.6.
- Testing meets the current Florida Building Code; TAS 201; TAS 202; TAS 203 and fulfills its requirement for opening protection.
- The unbreached envelope criterion is met when this approved wall component encloses the protected opening all around.
- The open areas in the Armor Screen Fabric are small enough that the surface tension of water causes the barrier screen to become solid in the presence of rain, and in actual hurricane conditions has been shown to prevent damaging voluminous water intrusion, even from torrential rains.
- Has satisfied checklist #0445 for resistance to burning, smoke, ignition, temperature, and weathering and qualifies as a permanently installed building component; ASTM G155, ASTM D638, ASTM C158, ASTM D635 - C1, ASTM D1929 ASTM D2843.
- Product Marking: A permanent label shall be affixed to the screen barrier with the following statement: "Armor Screen Corporation, Current Address, Miami-Dade County Product Control Approved, Patented and Patents Pending, US Patent No. 6176050".

**INSTALLATION NOTES:**

- Deflection is the minimum glass separation measured at mid span of the screen and subject to interpolation between listed spans. Separation offset may be achieved alone or by any combination thereof, Natural Deflection, Angled Style Screens, Storm Bars and Pneumatic Devices.
- Screen may be mounted with opposing primary anchored perimeters (span) in vertical, horizontal, or any alignment appropriate to the structure being protected.
- 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 (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).
- The thickness of typical facing materials i.e. stucco, siding, stone, brick, pavers, etc. are not to be considered part of the anchor embedment. Longer fasteners should be used to allow for facing materials.
- Anchor embedment into masonry shall be into the face shell, not mortar joints.
- All fully embedded anchors may be flush with the finished facing provided they have the correct embedment into the structure behind the finish material.
- Anchor installations should follow the manufacturer's recommended methods.
- A caulk or sealant should be used with all wood penetrating anchors.
- All fasteners shall be corrosion resistant as specified in the IRC and IBC or stainless steel.

**PRODUCT DATA:**

The woven geotextile fabric shall have the following minimum average roll values:

|                             |              |                  |
|-----------------------------|--------------|------------------|
| Grab Tensile Strength       | (ASTM D4632) | 425 x 325 LBS    |
| Puncture Strength           | (ASTM D4833) | 130 LBS          |
| Mullen Burst                | (ASTM D3786) | 675 PSI          |
| Trapezoidal Tear            | (ASTM D4533) | 150 x 125 LBS    |
| Wide Width Tensile Strength | (ASTM D4595) | 225 x 205 LBS/IN |
| Wide Width Elongation       | (ASTM D4595) | 22 x 21%         |
| Apparent Opening Size       |              | 30 US STD SIEVE. |
| Percentage of Open Area     |              | 5%               |

Screen unable to return should extend past protected opening by 1.5 times the offset or greater.

- ASTM G155
- ASTM D638
- ASTM C158
- ASTM D635 - C1
- ASTM D1929
- ASTM D2843

ALL GEOSYNTHETIC HURRICANE SCREEN ASSEMBLY INSTALLATION DETAILS DEPICTED WITHIN THESE DRAWINGS ARE TYPICAL FOR THE INSTALLATION OF THIS WIND ABATEMENT AND IMPACT PROTECTION SYSTEM ONLY. ALL OTHER BUILDING COMPONENTS SHOWN HEREIN ARE DEPICTED AS EXISTING, AND NOT CONSTRUCTED BY THE SCREEN COMPANY.

**REVISIONS**

|                   |
|-------------------|
| OCTOBER 22, 2001  |
| August 27, 2003   |
| November 25, 2003 |
| February 17, 2012 |
| June 6, 2013      |
| January 11, 2018  |
| October 08, 2020  |
| October 23, 2023  |

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 23-1129-03 Expiration Date 01/07/2029  
By *Heather M. W.* Miami Dade Product Control

**ARMOR SCREEN CORPORATION**  
ENGINEERING  
1505 SW 147TH AVE  
PEMBROKE PINES, FL 33027  
(561) 568-8707  
OFFICE@DOPEENGINEERING.COM  
REGISTRY No. 34110

GORDON BARTISTO, P.E.  
P.E. No. 6221 (FL)  
11/14/23  
VALID ONLY WITH ORIGINAL SEAL  
REPRODUCTION WITHOUT WRITTEN PERMISSION OF THE MANUFACTURER IS STRICTLY PROHIBITED.

ARMOR SCREEN CORP.  
2744 HILLSBORO RD,  
WEST PALM BEACH, FL 33405  
PH: (561)841-8890  
FAX: (561)841-8892  
INFO@ARMORSCREEN.COM

SERIES 2000 BUCKLE AND STRAP FLEXIBLE WIND ABATEMENT IMPACT PROTECTION SYSTEM

Drawn by: TG, 10-22-01  
SCALE: NO SCALE

DWG NO. AS-001  
SHEET NO. 1 OF 8

**Table 1**

| Span<br>in feet | Deflection<br>in inches | Anchor Spacing               |        | Anchor Choices *    |                 |                     |                 |
|-----------------|-------------------------|------------------------------|--------|---------------------|-----------------|---------------------|-----------------|
|                 |                         | 1' O/C<br>Design pressure ** | 2' O/C | 1*<br>3/8" open eye | 2*<br>3/8" bolt | 3*<br>1/2" open eye | 4*<br>1/2" bolt |
| 4'              | 5.5"                    | 130                          | 65     | X                   | X               | X                   | X               |
| 6'              | 6.7"                    | 130                          | 65     |                     | X               | X                   | X               |
| 6'              | 6.7"                    | 92.75                        | 46     | X                   | X               | X                   | X               |
| 8'              | 8.5"                    | 130                          | 90     |                     |                 |                     | X               |
| 8'              | 8.5"                    | 130                          | 65     |                     |                 | X                   | X               |
| 8'              | 8.5"                    | 115                          | 58     |                     | X               | X                   | X               |
| 8'              | 8.5"                    | 68.75                        | 34     | X                   | X               | X                   | X               |
| 10'             | 16"                     | 130                          | 90     |                     |                 |                     | X               |
| 10'             | 16"                     | 130                          | 65     |                     | X               | X                   | X               |
| 10'             | 16"                     | 94.75                        | 47     | X                   | X               | X                   | X               |
| 12'             | 21"                     | 130                          | 90     |                     |                 |                     | X               |
| 12'             | 21"                     | 130                          | 65     |                     |                 | X                   | X               |
| 12'             | 21"                     | 120                          | 60     |                     | X               | X                   | X               |
| 12'             | 21"                     | 69.75                        | 35     | X                   | X               | X                   | X               |
| 14'             | 30"                     | 130                          | 80     |                     |                 |                     | X               |
| 14'             | 30"                     | 130                          | 65     |                     |                 | X                   | X               |
| 14'             | 30"                     | 120                          | 60     |                     | X               | X                   | X               |
| 14'             | 30"                     | 64.75                        | 32     | X                   | X               | X                   | X               |
| 16'             | 39"                     | 130                          | 75     |                     |                 |                     | X               |
| 16'             | 39"                     | 130                          | 65     |                     |                 | X                   | X               |
| 16'             | 39"                     | 110                          | 55     |                     | X               | X                   | X               |
| 16'             | 39"                     | 60                           | 34.25  | X                   | X               | X                   | X               |
| 20'             | 40"                     | 58.00                        | 29.00  |                     |                 | X                   | X               |
| 24'             | 41"                     | 48.00                        | 24.00  |                     |                 | X                   | X               |

CONCRETE: \*Table is intended for drop-in and LDT anchors in concrete.

WOOD: Lag anchoring (incl. LDT) into wood as follows

Column 1\*: 3/8" thread, 1.75" penetration into SYP (0.55sg)

Column 2\*: 3/8" thread, 3.1" penetration into SYP

Column 3\*: 1/2" thread, 3.0" penetration into SYP

Column 4\*: 1/2" thread, 3.7" penetration into SYP

EARTH: \* Specified earth anchor may be used with any of table choices.

HOLLOW BLOCK: Column 1\*, approved epoxy anchoring system for 3/8" & 1/2" thread.

NOTE: \*\*Design pressure may be increased by 5% for negative loads.

TRACK SYSTEM: Table applies to track system, anchored with two 5/16" fasteners per cleat, as follows:

- into hollow block, min. 1 1/4" embed can be installed as in column 1\*
- into concrete, min. 1 3/4" embed can be installed as in column 3\*
- into concrete, min. 2" embed can be installed as in column 4\*
- into wood (SYP. sg. 0.55), min. 1" embed can be installed as in column 1\*
- into wood (SYP. sg. 0.55), min. 2" embed installed as in column 3\*

**NOTES:**

Anchor Spacing: varies inversely with pressure and is subject to rational analysis, Max 24"/ Min 6" O.C.

Span: is measured anchor to anchor and is subject to rational analysis.

Deflection: is minimum glass separation measured at mid-span of screen and is subject to rational analysis.

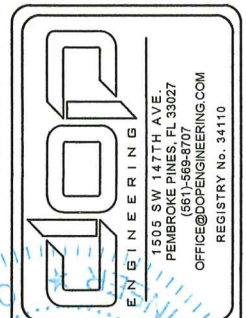
**ANCHOR SPECIFICATION:**

- Lag Anchors: 3/8" Lag Anchor  
1/2" Lag Anchor  
Tapcon 5/16", 3/8", or 1/2" LDT can anchor in both wood and concrete
- Drop-in Anchor: 3/8" Steel Drop-in anchor in 3000 PSI (min.) concrete, 1 5/8" min. embedment, 3 3/4" min. edge distance (Dewalt or equal)  
1/2" Steel Drop-in anchor in 3000 PSI (min.) concrete, 2" min. embedment, 5" min. edge distance (Dewalt or equal)
- Earth Anchor: Proprietary System: Stabilized 1/2" x 30" Shaft with 4" helix  
Working Load of Earth Anchor is 3150 LBS.  
Soil Class: 5 (medium dense coarse sand)
- Epoxy Anchor: Equal to Red Head umbrella inserts and screens with Dewalt Pure 50 + or equal.

**REVISIONS**

- OCTOBER 22, 2001
- August 27, 2003
- November 25, 2003
- February 17, 2012
- June 6, 2013
- January 11, 2018
- October 08, 2020
- October 23, 2023

PRODUCT REVISED  
 as complying with the Florida  
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 Acceptance No 23-1120.03  
 Expiration Date 01/07/2029  
 By *Heidi A. Miller*  
 Miami Data Product Control



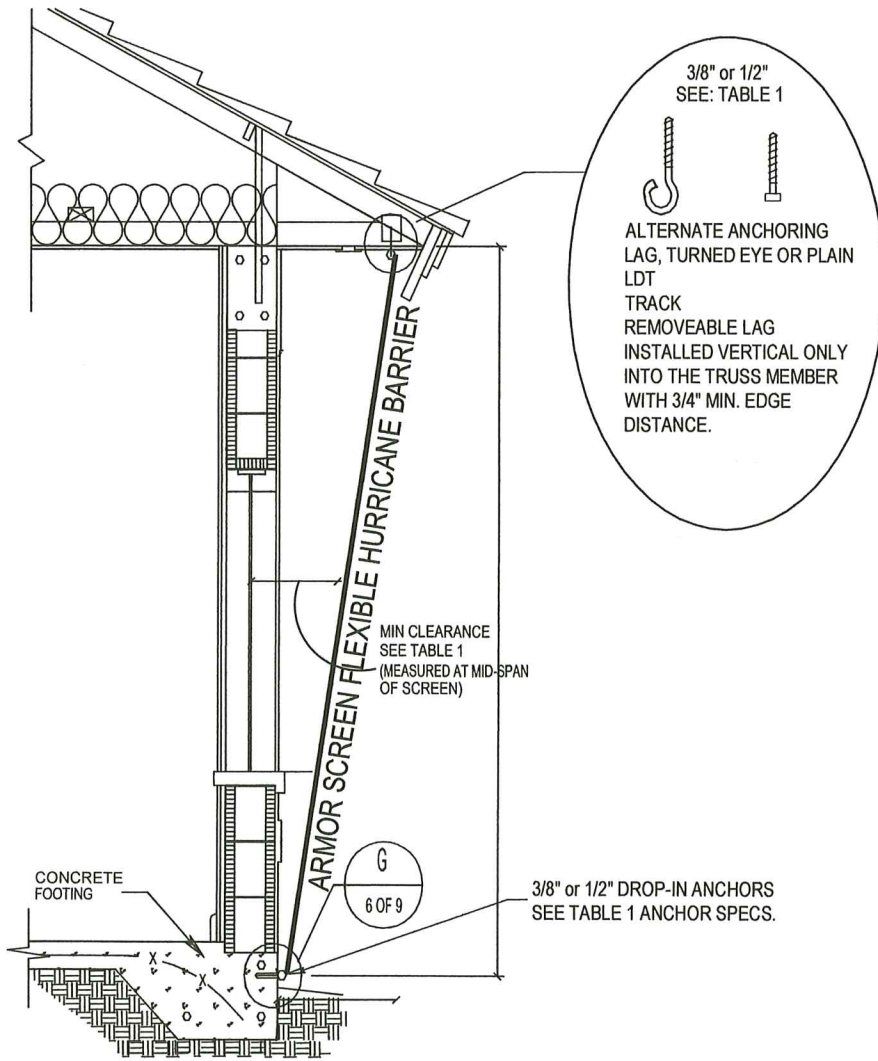
ARMOR SCREEN CORP.  
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WEST PALM BEACH, FL 33405  
PH: (561)841-8890  
FAX: (561)841-8892  
INFO@ARMORSCREEN.COM

SERIES 2000 BUCKLE AND  
STRAP FLEXIBLE  
WIND ABATEMENT  
IMPACT PROTECTION  
SYSTEM

Drawn by: TG, 10-22-01  
SCALE: NO SCALE

DWG NO. AS-001  
SHEET NO. 2 OF 8



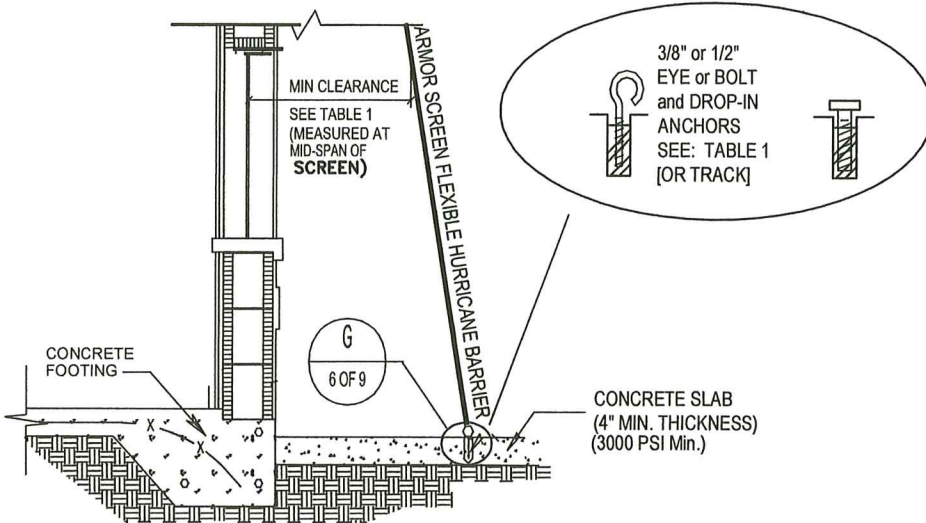


3/8" or 1/2"  
SEE: TABLE 1

ALTERNATE ANCHORING  
LAG, TURNED EYE OR PLAIN  
LDT  
TRACK  
REMOVEABLE LAG  
INSTALLED VERTICAL ONLY  
INTO THE TRUSS MEMBER  
WITH 3/4" MIN. EDGE  
DISTANCE.

**TYPICAL ONE STORY ASSEMBLY  
INSTALLATION**

A  
2 OF 9



3/8" or 1/2"  
EYE or BOLT  
and DROP-IN  
ANCHORS  
SEE: TABLE 1  
[OR TRACK]

**ALTERNATE ASSEMBLY  
INSTALLATION  
AT EXTERIOR SLAB**

B  
2 OF 9

**REVISIONS**

|                   |
|-------------------|
| OCTOBER 22, 2001  |
| August 27, 2003   |
| November 25, 2003 |
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| June 6, 2013      |
| January 11, 2018  |
| October 08, 2020  |
| October 23, 2023  |

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 23-1120.03  
Expiration Date 01/07/2029  
By *Healy A. Mohr*  
Miami Design Product Control

GORDON DIBATTISTO, P.E.  
P.E. No. 6239 (FL)  
11/14/23  
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CERTIFICATION

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2744 HILLSBORO RD,  
WEST PALM BEACH, FL 33405  
PH: (561)841-8890  
FAX: (561)841-8892  
INFO@ARMORSCREEN.COM

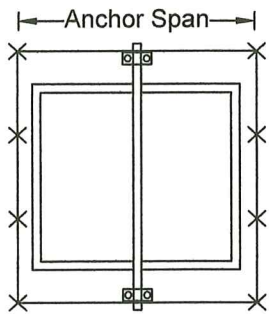
SERIES 2000 BUCKLE AND  
STRAP FLEXIBLE  
WIND ABATEMENT  
IMPACT PROTECTION  
SYSTEM

DRAWN BY: TG, 10-22-01  
SCALE: NO SCALE

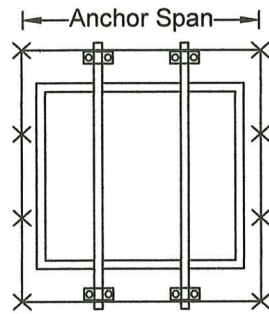
DWG NO. AS-001  
SHEET NO. 3 OF 8

| STORM BAR                                 |     |    |    |     |      |     |     |
|---|-----|----|----|-----|------|-----|-----|
| MAX. STORM BAR SPAN                       | 4'  | 5' | 6' | 8'  | 9'9" | 12' | 14' |
| MAX. PSF                                  | 130 | 86 | 60 | 130 | 60   | 130 | 130 |
| SYP 2"x6"                                 | X   | X  | X  |     |      |     |     |
| ALUM. TUBE 2"x6"x $\frac{1}{4}$ " 6063-T6 |     |    |    | X   |      |     |     |
| SYP 4"x8"                                 |     |    |    |     | X    |     |     |
| ALUM. TUBE 2"x6"x $\frac{1}{4}$ " 6061-T6 |     |    |    |     |      | X   |     |
| ALUM. TUBE 2"x8"x $\frac{1}{4}$ " 6061-T6 |     |    |    |     |      |     | X   |

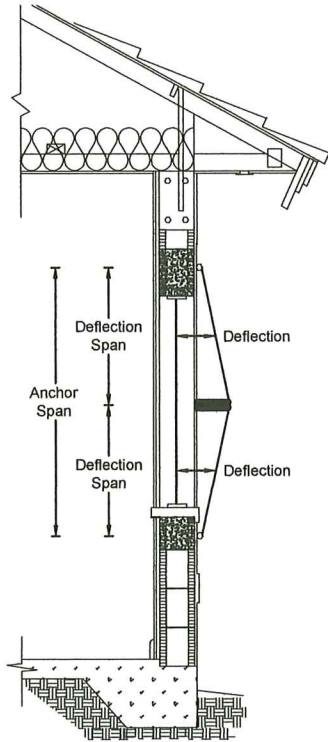
- STORM BAR SPAN IS MEASURED BRACKET TO BRACKET.
- DEFLECTION; ACHIEVED BY ONE OR MORE STORM BARS AND MAY BE INCREASED WITH BLOCKING
- MAX. DEFLECTION TO BE PER NOA AS RELATES TO SPAN. SPAN PROPORTIONATELY REDUCED BY INTERMEDIATE RESTS, SUCH AS STORM BARS OR MULLIONS, AND MEASURED FROM ANCHOR TO PROXIMATE STORM BAR OR BETWEEN PROXIMATE STORM BARS
- THE STORM BAR SPLITS THE ANCHOR / SCREEN SPAN INTO MULTIPLE SPANS, EACH OF WHICH IS USED TO DETERMINE THE MINIMUM DEFLECTION.
- ANCHOR ENDS WITH MINIMUM  $\frac{1}{4}$ " HARDWARE
- STORM BAR MAY BE ATTACHED WITH PERMANENT OR REMOVABLE STORM BAR BRACKET, OR BY ATTACHING THE STORM BAR DIRECTLY TO THE WALL.
- ALTERNATE: CUSTOM BRACKET COMPRISED OF 2" X 2" X 1  $\frac{1}{2}$ " X  $\frac{1}{8}$ " ALUMINUM ANGLES ON EACH SIDE OF STORM BAR.
- SUBJECT TO RATIONAL ANALYSIS



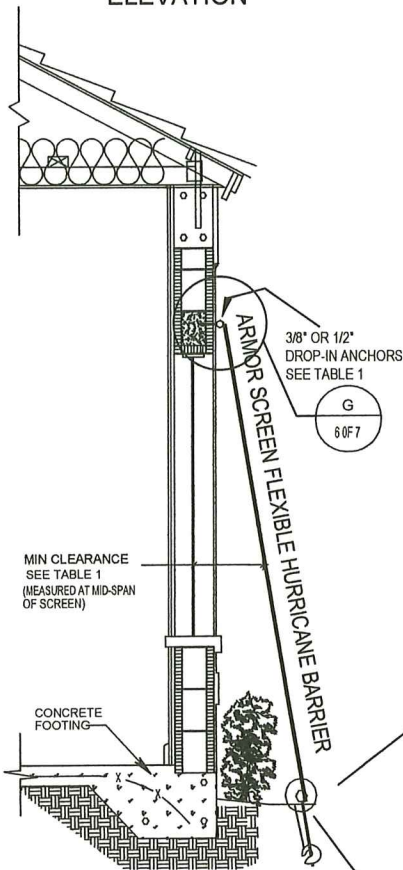
SINGLE STORM BAR HORIZONTAL SCREEN ELEVATION



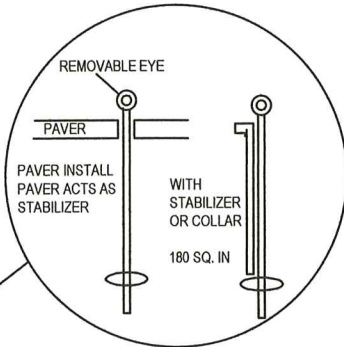
MULTIPLE STORM BAR HORIZONTAL SCREEN ELEVATION



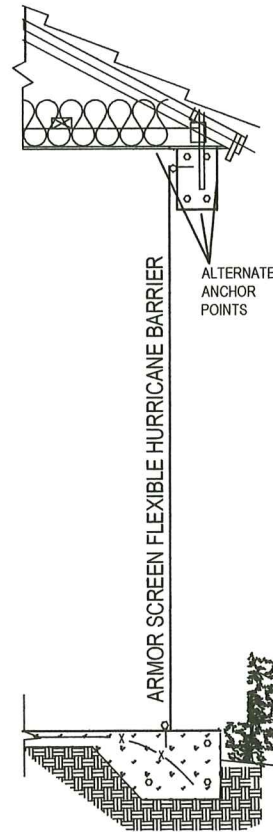
STORM BAR CONFIGURATION



INTO EARTH ALTERNATE ASSEMBLY INSTALLATION



EARTH ANCHOR, 4" DIAM. HELIX HORIZONTALLY STABILIZED 24" O.C. SEE: TABLE 1



PORCH INSTALLATION

REVISIONS

|                   |
|-------------------|
| OCTOBER 22, 2001  |
| August 27, 2003   |
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PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 23-1129.03 Expiration Date 01/07/2029 By *Heidi A. M...* Miami Design Product Control

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ENGINEERING

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REGISTRY No. 34110

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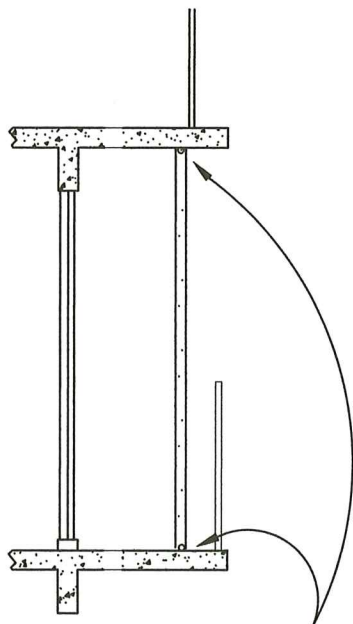
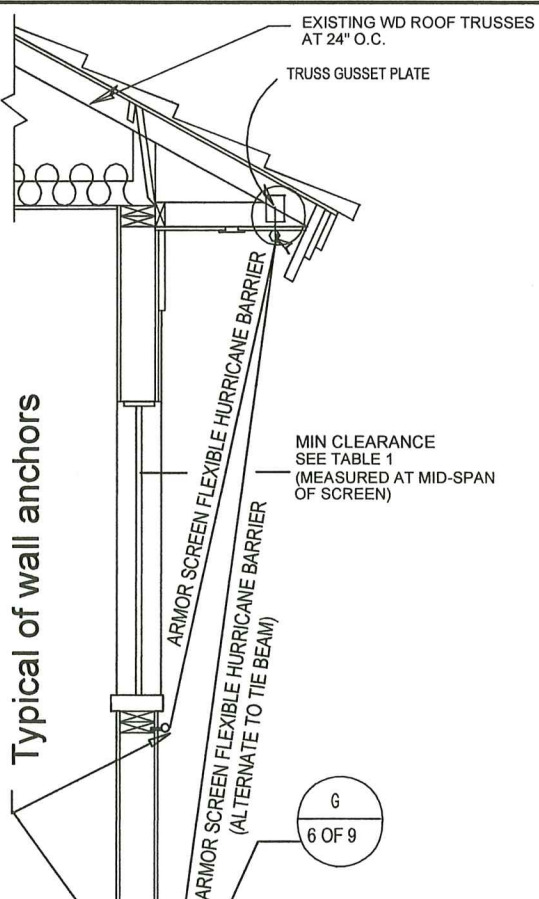
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SERIES 2000 BUCKLE AND STRAP FLEXIBLE WIND ABATEMENT IMPACT PROTECTION SYSTEM

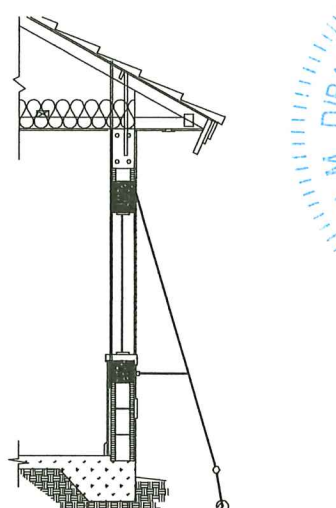
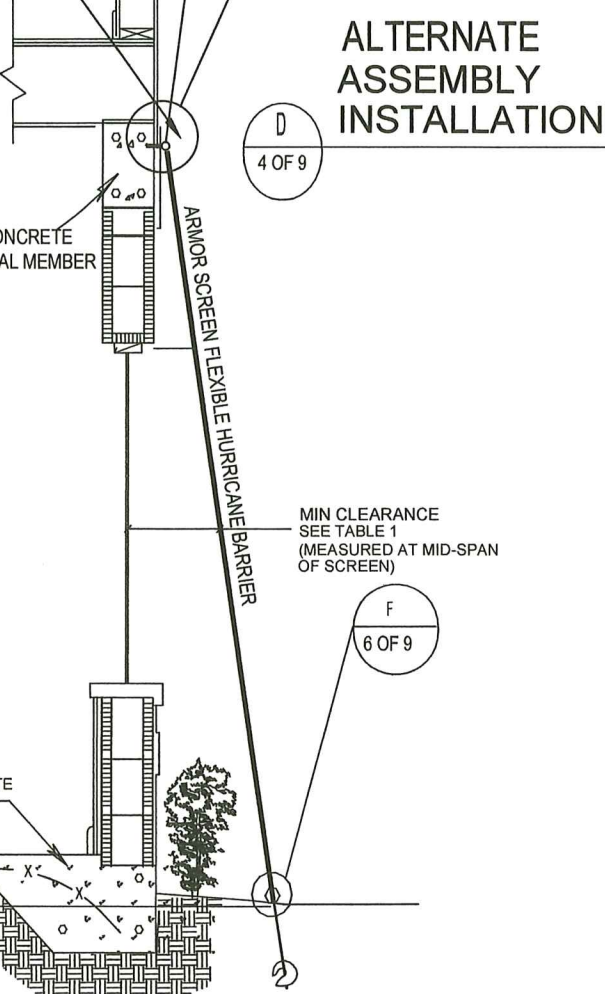
Drawn by: TG, 10-22-01  
SCALE: NO SCALE

DWG NO. AS-001  
SHEET NO. 4 OF 8



FOR ANCHOR INSTALLATION MAINTAIN AT LEAST MIN. EDGE DISTANCE AND FULL CAPACITY SPACING FROM HANDRAIL ANCHORS

**BALCONY SCREEN**



**WINDOW SCREEN**

**REVISIONS**

|                   |
|-------------------|
| OCTOBER 22, 2001  |
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PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 23-1120.03 Expiration Date 01/07/2029

By *W. H. H. H.* Miami District Product Control

**DOOP ENGINEERING**

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OFFICE@DOOPENGINEERING.COM  
REGISTRY No. 34110

GORDON DIBATTISTO, P.E.  
P.E. No. 42328 (FL)

11/14/23

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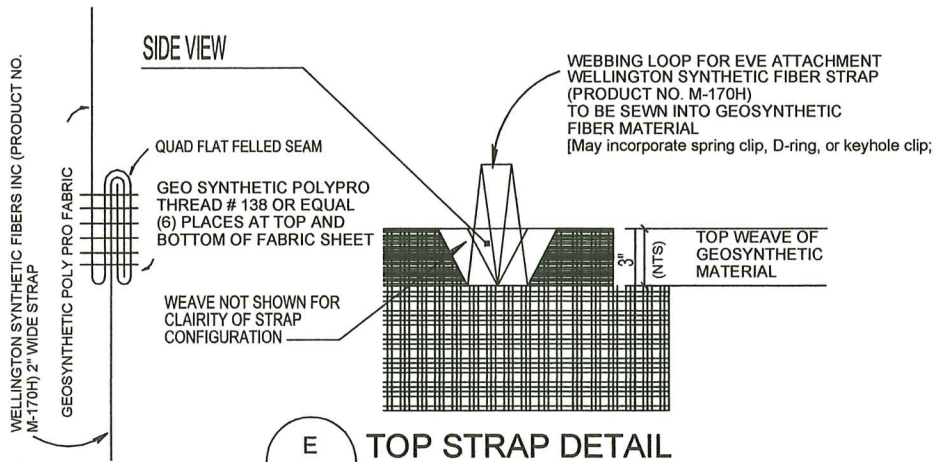


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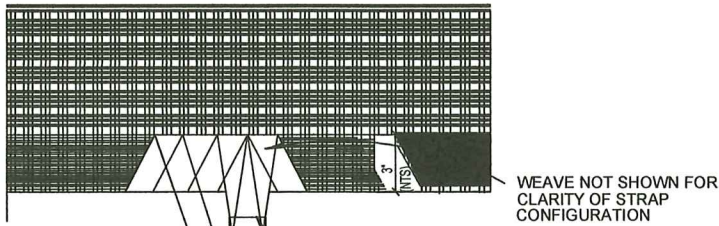
SERIES 2000 BUCKLE AND STRAP FLEXIBLE WIND ABATEMENT IMPACT PROTECTION SYSTEM

Drawn by: T G, 10 - 22 - 01  
SCALE: NO SCALE

DWG NO. AS-001  
SHEET NO. 5 OF 8

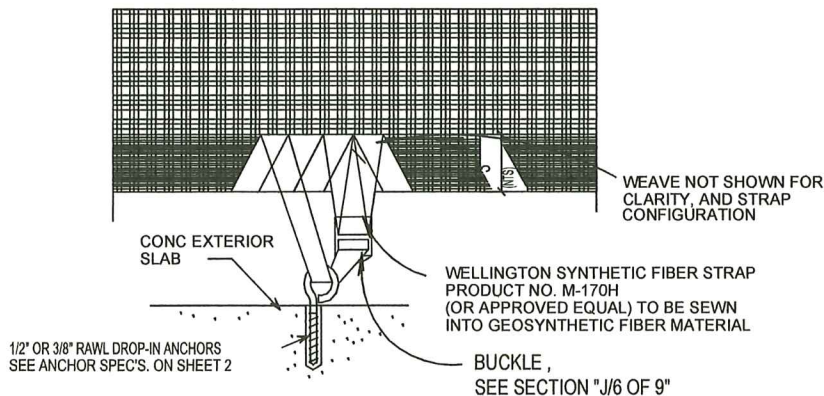


**E**  
6 OF 9  
**TOP STRAP DETAIL**

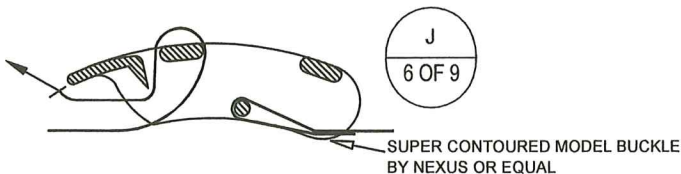


EARTH ANCHOR, SEE ANCHOR SPECIFICATIONS ON SHEET 2 OF 9. SOIL SHALL BE MIN. CLASS 5 (MEDIUM DENSE COURSE SAND).

**F**  
6 OF 9  
**BOTTOM STRAP DETAIL (AT EARTH ANCHOR)**



**G**  
6 OF 9  
**BOTTOM STRAP DETAIL (AT ANCHORAGE INTO CONCRETE)**



**J**  
6 OF 9

**REVISIONS**

|                   |
|-------------------|
| October 22, 2001  |
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PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No 23-1120.03  
 Expiration Date 01/07/2029  
 By *Hesha Mohan*  
 Miami District Product Control

**DOPE**  
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 OFFICE@DOPEENGINEERING.COM  
 REGISTRY No. 34110

GORDON DIBATTISTO, P.E.  
 P.E. No. 8329 (FL)  
 11/14/23  
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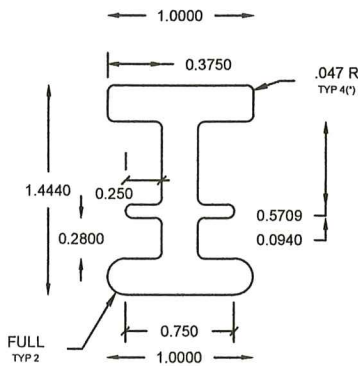
SERIES 2000 BUCKLE AND STRAP FLEXIBLE WIND ABATEMENT IMPACT PROTECTION SYSTEM

Drawn by: TG, 10-22-01  
 SCALE: NO SCALE

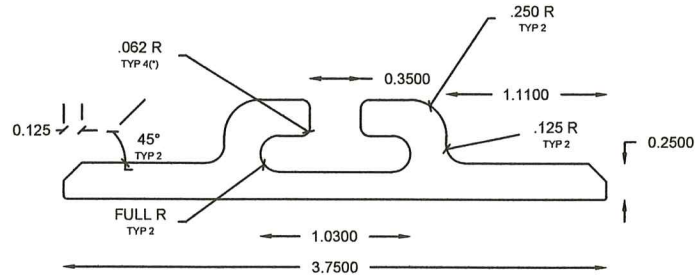
DWG NO. AS-001  
 SHEET NO. 6 OF 8

**REVISIONS**

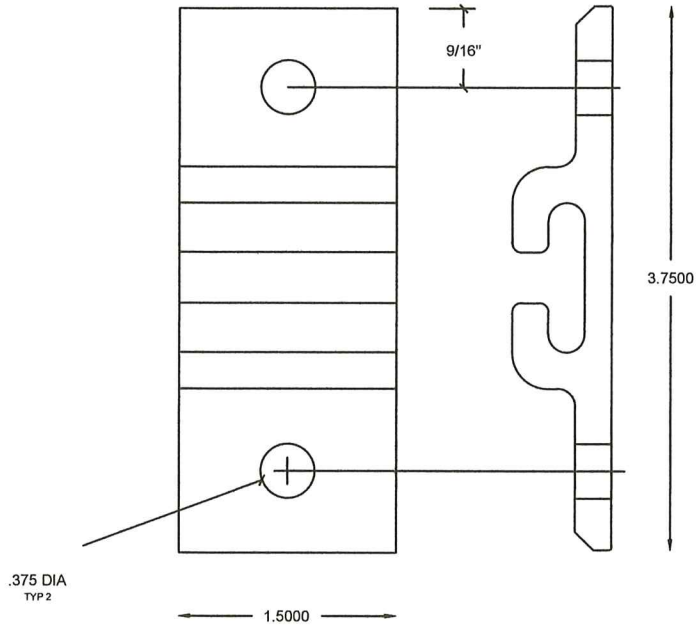
|                   |
|-------------------|
| November 25, 2003 |
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| October 08, 2020  |
| October 23, 2023  |



1" TRACK ALUMINUM ALLOY 6005-T5



BRACKET (PART # AST-1100)  
ALUMINUM ALLOY  
6005-T5



STORM BAR BRACKET  
Type 6063-T6

D-RING

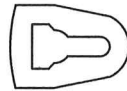


SNAKE HOOKS



3/8" KEYHOLE CLIPS

1/2" KEYHOLE CLIPS



5/16" TAPCONS

3/8" TAPCONS

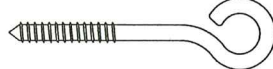
1/2" TAPCONS



3/8" LAG ANCHOR

3/8" CARRIAGE BOLT

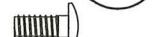
3/8" EYEBOLT



1/2" LAG ANCHOR

1/2" CARRIAGE BOLT

1/2" EYEBOLT



IMAGES ARE REPRESENTATIVE AND NOT TO SCALE

PRODUCT REVISED  
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Building Code  
Acceptance No 23-1120-03  
Expiration Date 01/07/2029  
By *Hesha Akhavan*  
Miami Code Product Control

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1306 SW 14TH AVE.  
PEMBROKE PINES, FL 33027  
OFFICE@DOOPENGINEERING.COM  
REGISTRY No. 34110

GORDON DIBATTISTO P.E. 128  
P.E. No. 92203 (FL)  
11/14/23  
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FAX: (561)841-8892  
INFO@ARMORSCREEN.COM

SERIES 2000 BUCKLE AND  
STRAP FLEXIBLE  
WIND ABATEMENT  
IMPACT PROTECTION  
SYSTEM

Drawn by: TG, 10-22-01  
SCALE: NO SCALE

DWG NO. AS-001  
SHEET NO. 7 OF 8

**REVISIONS**

- November 25, 2003
- February 17, 2012
- June 6, 2013
- January 11, 2018
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| SCREEN LOADING ON STRUCTURE (PER LINEAR FOOT) |                   |      |      |      |      |      |      |      |  |
|---|-------------------|------|------|------|------|------|------|------|--|
| SCREEN SPAN (FT.)                             | DESIGN LOAD (PSF) |      |      |      |      |      |      |      |  |
|   | 30                | 40   | 50   | 60   | 70   | 90   | 110  | 130  |  |
| 4   | 180               | 217  | 246  | 276  | 284  | 332  | 358  | 401  |  |
| 5   | 224               | 275  | 312  | 342  | 355  | 416  | 447  | 500  |  |
| 6   | 268               | 327  | 372  | 408  | 426  | 500  | 536  | 599  |  |
| 7   | 311               | 380  | 437  | 480  | 503  | 579  | 625  | 704  |  |
| 8   | 355               | 438  | 497  | 546  | 574  | 663  | 715  | 802  |  |
| 9   | 399               | 491  | 557  | 617  | 644  | 747  | 804  | 901  |  |
| 10  | 447               | 543  | 625  | 683  | 715  | 832  | 893  | 1013 |  |
| 11  | 491               | 602  | 683  | 749  | 786  | 910  | 982  | 1105 |  |
| 12  | 535               | 654  | 743  | 821  | 857  | 994  | 1072 | 1203 |  |
| 13  | 579               | 712  | 808  | 887  | 928  | 1079 | 1155 | 1302 |  |
| 14  | 622               | 760  | 868  | 959  | 999  | 1165 | 1244 | 1401 |  |
| 15  | 666               | 818  | 928  | 1025 | 1070 | 1241 | 1333 | 1506 |  |
| 16  | 715               | 870  | 994  | 1091 | 1141 | 1325 | 1423 | 1604 |  |
| 17  | 758               | 923  | 1054 | 1162 | 1212 | 1410 | 1512 | 1703 |  |
| 18  | 802               | 981  | 1114 | 1228 | 1283 | 1494 | 1601 | 1802 |  |
| 19  | 846               | 1034 | 1180 | 1300 | 1359 | 1572 | 1690 | 1907 |  |
| 20  | 890               | 1086 | 1240 | 1366 | 1430 | 1657 | 1780 | 2005 |  |
| 21  | 933               | 1144 | 1305 | 1432 | 1501 | 1741 | 1869 | 2104 |  |
| 22  | 977               | 1197 | 1365 | 1504 | 1572 | 1825 | 1958 | 2203 |  |
| 23  | 1026              | 1250 | 1425 | 1570 | 1643 | 1903 | 2047 | 2308 |  |
| 24  | 1069              | 1308 | 1491 | 1642 | 1714 | 1988 | 2137 | 2406 |  |

**Notes:**

1. Span is measured anchor to anchor and may be reduced by intermediate storm bars, rigid or pneumatic, or mullions.
2. Max. deflection to be related to span. Span proportionately reduced by intermediate rests such as storm bars or mullions and measured from anchor to proximate storm bar or between proximate storm bars.
3. Max. PSF to be the absolute value of the greatest pressure.

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 23-420.03  
 Expiration Date 01/07/2029  
 By *H. G. A. M. M.*  
 Miami Code Product Control

AOP

ENGINEERING

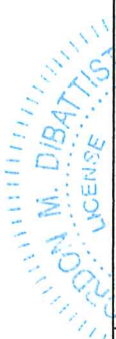
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SERIES 2000 BUCKLE AND  
 STRAP FLEXIBLE  
 WIND ABATEMENT  
 IMPACT PROTECTION  
 SYSTEM

Drawn by: TG, 10-22-01  
 SCALE: NO SCALE

DWG NO. AS-001  
 SHEET NO. 8 OF 8