



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

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

United Enertech Holdings, LLC
3005 South Hickory Street
Chattanooga, TN 37407

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model WDV-130 Vertical Aluminum Louver System

APPROVAL DOCUMENT: Drawing No. **23-070**, titled "Model WDV-130 Vertical Aluminum Louver System", sheets 1 through 6 of 6, dated 07/07/2023, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: A permanent label with the manufacturer's name or logo, Chattanooga, TN or Hartford, AL, model/series, and following statement: "Miami-Dade County Product Control Approved", is to be located on each unit.

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 # 20-0811.15** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



NOA No. 23-0726.13
Expiration Date: February 27, 2025
Approval Date: September 21, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under NOA # 20-0109.02

A. DRAWINGS

1. Drawing No. **19-092**, titled “Model WDV-130 Vertical Aluminum Louver System”, sheets 1 through 6 of 6, dated 09/24/2019, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E. on 01/20/2020.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94 (Level “E”, 80 fps)
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Model WDV-130 Vertical Aluminum Louver Systems, prepared by PRI Construction Materials Technologies LLC, Test Report No. **1697T0001.01.01**, dated 11/20/2019, signed and sealed by Zachary Priest, P.E. on 01/27/2020.
2. Test Report on High Velocity Wind Driven Rain Resistance Test per ANSI/AMCA 550-15 of a Model WDV-130 Vertical Aluminum Louver System, prepared by PRI Construction Materials Technologies LLC, Report No. **1697T0001.02**, dated 10/16/2019, signed and sealed by Zachary Priest, P.E.

C. CALCULATIONS

1. Structural analysis and anchor calculations, prepared by Tilteco Inc, dated 09/30/2019, signed and sealed by Walter A. Tillit Jr., P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Test Report on Large Missile Impact (Level “E”, 80 fps) Test per ANSI/AMCA 540-13 and Cyclic Wind Pressure Loading per FBC, TAS 203-94 of Model WDV-130 Vertical Aluminum Louver Systems, prepared by PRI Construction Materials Technologies LLC, Report No. **1697T0001.03**, dated 11/20/2019, signed and sealed by Zachary Priest, P.E.

F. STATEMENTS

1. Statement letter of code conformance to the 6th edition (2017) FBC issued by Tilteco, Inc. on 11/26/2019, signed and sealed by Walter A. Tillit Jr., P.E.
2. Statement letter of no financial interest letter issued by Tilteco, Inc., dated 11/26/2019, signed and sealed by Walter A. Tillit Jr., P.E.
3. Letter requesting the company name change from “United Enertech Corp.” to its parent company, “United Enertech Holdings, LLC”, issued by Winstead PC, dated 01/31/2020, signed by Andrew J. Ostapko, Attorney.
4. Certificate of merger between “United Enertech Corp.” and “Enertech Acquisition Corp.”, issued by the State of Delaware, dated 01/04/2017.
5. Amended and restated certificate of incorporation of “United Enertech Corp.” (F/K/A “Enertech Acquisition Corp.”, issued by the State of Delaware, dated 12/30/2016.
6. Certificate of formation of “United Enertech Holdings, LLC”, issued by the State of Delaware, dated 12/02/2016.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0726.13

Expiration Date: February 27, 2025
Approval Date: September 21, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 20-0811.15 and new

A. DRAWINGS

1. Drawing No. **23-070**, titled “Model WDV-130 Vertical Aluminum Louver System”, sheets 1 through 6 of 6, dated 07/07/2023, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 8th edition (2023) of the FBC, issued by Tilteco, Inc., dated 07/07/2023, signed and sealed by Walter A. Tillit Jr., P.E.
2. Statement letter of code conformance to the 7th edition (2020) FBC issued by Tilteco, Inc., dated 07/27/2020, signed and sealed by Walter A. Tillit Jr., P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0726.13
Expiration Date: February 27, 2025
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GENERAL NOTES

1. MODEL WDV-130 VERTICAL ALUMINUM LOUVER SYSTEM SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2023 (8th EDITION) AND 2020 (7th EDITION) OF THE FLORIDA BUILDING CODE. THIS ALUMINUM LOUVER SYSTEM MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES (H.V.H.Z).

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-22 (FBC 2023) & ASCE 7-16 (FBC 2020) AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON THIS SHEET.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-22 OR ASCE 7-16 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON THIS SHEET.

ALUMINUM LOUVER SYSTEM ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER PRI CONSTRUCTION MATERIALS TECHNOLOGIES, LLC. TESTING LAB REPORT # 1697T0001.01, AS PER TAS-201, TAS-202, TAS-203, AS WELL AS PER AMCA IMPACT STANDARD 540, PER TESTING REPORT # 1697T0001.03, AND AS PER AMCA STANDARD 550-15 HIGH VELOCITY WIND DRIVEN RAIN AND TAS 100(A)-95, PER TEST REPORT # 1697T0001.02.

2. ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T5 ALLOY AS PER BILL OF MATERIALS ON SHEET 2.
3. ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 SERIES WITH 50 ksi YIELD POINT AND 90 ksi TENSILE STRENGTH OR CORROSION RESISTANT CARBON STEEL AS PER DIN 50018 AND SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.
4. ALL WELDING OF ALUMINUM FRAMING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY A.W.S. D.1.2 REGULATIONS. USE CERTIFIED WELDERS. USE ER-5356 ELECTRODES.
5. ANCHOR (10) TO EXISTING STRUCTURE SHALL BE AS FOLLOWS (SEE SHEETS 4 , 5).

(A). ANCHORS SHALL BE INSTALLED FOLLOWING ALL THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHORS MANUFACTURER. E.D. IS BEYOND ANY WALL FINISH.

| ANCHOR TYPE | MANUFACTURER | DIAMETER OR GAGE | MIN. EMBEDMENT | | | | MIN. EDGE DISTANCE (E.D) | | |
|-------------|--------------|------------------|----------------------------------|--|--|--------------------|----------------------------|-------|--------|
| | | | TO CONCRETE (f'c=3,000 psi) MIN. | TO CONCRETE BLOCK ASTM (C-90 UNIT) (f'c=1.5 ksi) GROUTED | 1/8" MIN. ALUMINUM (Fy=25ksi) or 14 GA GALV. STEEL (Fy=33 ksi) | TO WOOD (G ≥ 0.55) | CONCRETE OR CONCRETE BLOCK | STEEL | WOOD |
| SCREW-BOLT+ | DEWALT | 3/8" | 3 1/4" | 3 1/4" | N/A | N/A | 1 1/2" | N/A | N/A |
| LAG SCREW | - | 3/8" | N/A | N/A | N/A | 1 1/2" | N/A | N/A | 1 1/2" |
| TAP-FLEX | ELCO CONST. | 3/8" | N/A | N/A | FULLY EMB. PLUS 3 THREADS BEYOND. | N/A | N/A | 3/4" | N/A |

6. MODEL WDV-130 ALUMINUM LOUVER SYSTEM MAY BE INSTALLED IN LOCATIONS WHERE THE ROOM BEHIND IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, OR THE ROOM WILL HOUSE NON-WATER RESISTANT EQUIPMENT. COMPONENTS OR SUPPLIES INSTALLATION ON LOUVER IS LIMITED TO 40 FT. IN HEIGHT ACCORDING TO TABLE 3 OF TAS 100(A)-95.
7. ALUMINUM MEMBERS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WIH SECTION III-6 OF THE 2020 & 2015 ALUMINUM DESIGN MANUAL.

8. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE LOUVER SYSTEM IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE.
9. (A). THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.
- (B). CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (C). THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.
- (D). SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D.
- (E). ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.
10. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH SECTION 1703.5 OF FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. CODE.

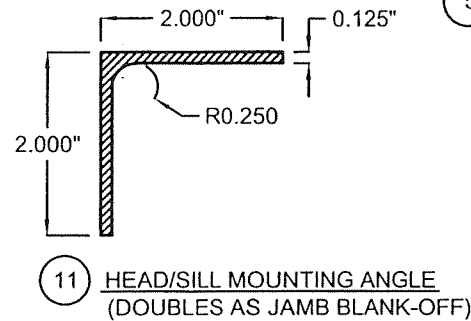
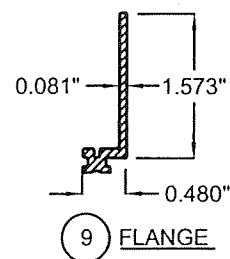
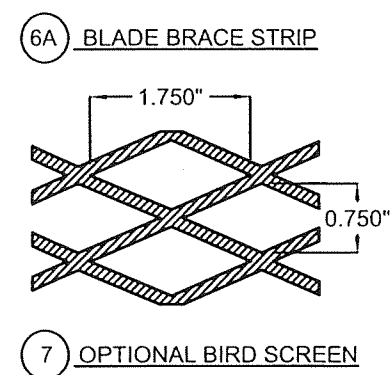
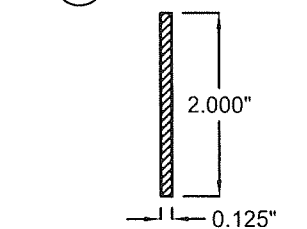
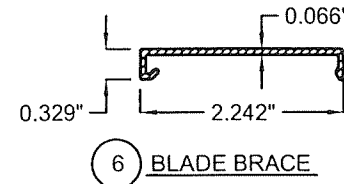
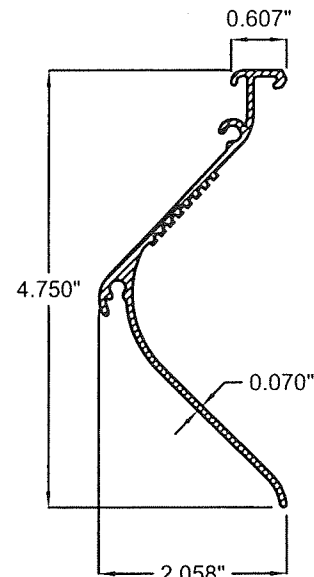
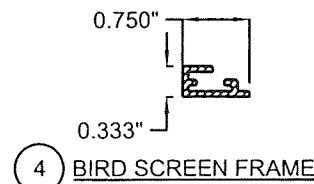
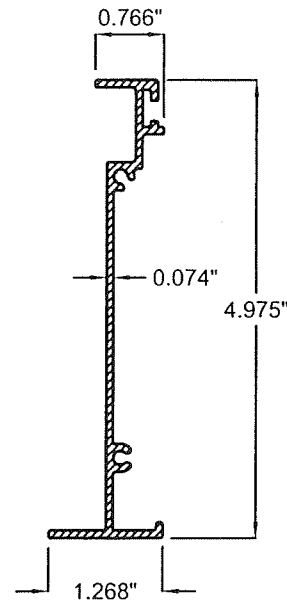
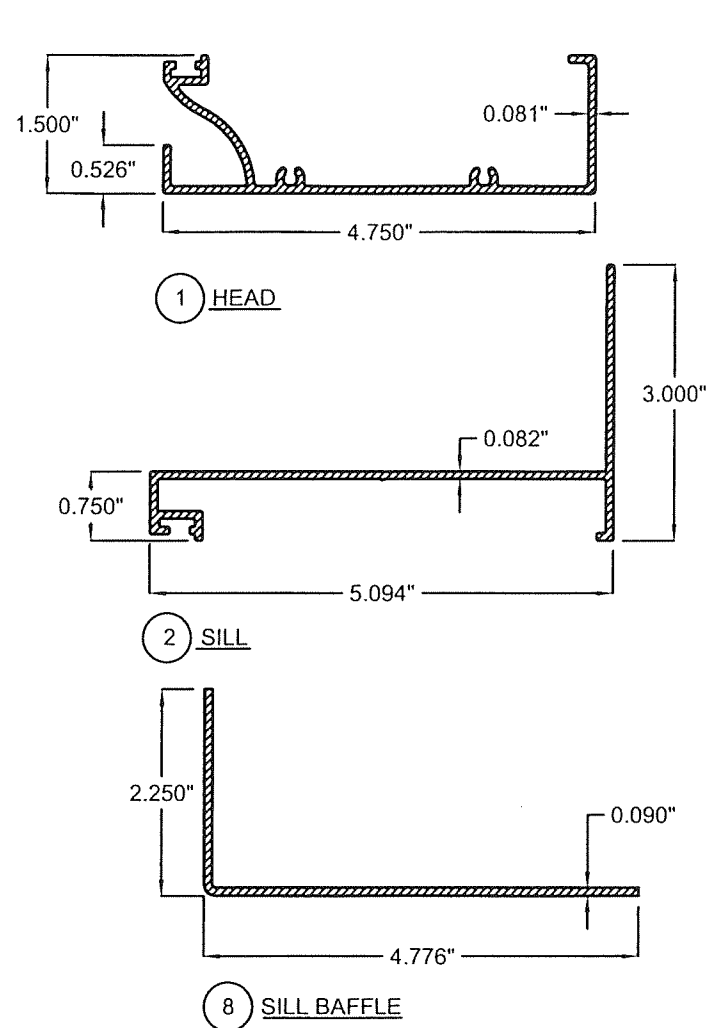
A.S.D. DESIGN PRESSURE RATING:
+150, -150 psf.

THIS DRAWING SHALL ONLY BE USED TO
OBTAIN PERMITS IN THE STATE OF FLORIDA

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0726.13
Expiration Date 02/27/2025
By Miami-Dade Product Control

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

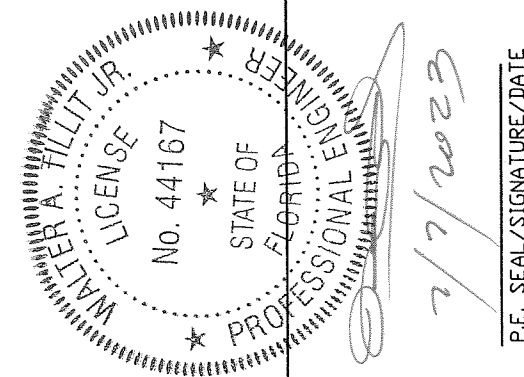
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|-------------------------------|--|---|-----------------------|--------------|
| Y.M. DRAWN BY: | MODEL WDV-130 VERTICAL ALUMINUM LOUVER SYSTEM | DATE: 7/7/2023 | 23-070 DRAWING No. | SHEET 1 OF 6 |
| UNITED ENERTECH HOLDINGS, LLC | | 3005 SOUTH HICKORY ST. CHATTANOOGA, TN 37407 PHONE: (423)698-7715 FAX:(423)698-6629 | | |
| REV. NO. | DESCRIPTION | DATE | REV. NO. | DESCRIPTION |
| 1 | 02-20-2023 | 7/7/2023 | 3 | |
| 2 | | | 4 | |
| ©2023 TILTECO, INC. | | TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)971-1530 . Fax : (305)971-1531 CA-0006719 WALTER A. TILLIT JR., P.E. FLORIDA Lic. # 44167 | | |
| P.E. SEAL/SIGNATURE/DATE | | 7/7/2023 | | |
| MIAMI-DADE COUNTY | | | | |



COMPONENTS

BILL OF MATERIALS:

| COMPONENT # | DESCRIPTION | MATERIAL | NOTES |
|-------------|--|----------------------------------|---|
| ① | HEAD | 6063-T5 ALUMINUM ALLOY/TEMPER | CONTINUOUS |
| ② | SILL | 6063-T5 ALUMINUM ALLOY/TEMPER | CONTINUOUS USE W/ ⑧ |
| ③ | SIDE JAMB | 6063-T5 ALUMINUM ALLOY/TEMPER | CONTINUOUS |
| ④ | BIRD SCREEN FRAME | 6063-T5 ALUMINUM ALLOY/TEMPER | OPTIONAL |
| ⑤ | BLADE | 6063-T5 ALUMINUM ALLOY/TEMPER | WDV-130 MODEL |
| ⑥ | BLADE BRACE | 6063-T5 ALUMINUM ALLOY/TEMPER | 2" LONG |
| ⑥A | BLADE BRACE STRIP | 6063-T5 ALUMINUM ALLOY/TEMPER | CONTINUOUS ACROSS UNIT. SEE SHEET 3 FOR REQUIREMENTS. |
| ⑦ | STANDARD BIRD SCREEN | 3/4" x 0.051" FLATTENED ALUMINUM | OPTIONAL |
| ⑧ | SILL BAFFLE | 3003 H14 ALUMINUM ALLOY/HARDNESS | CONTINUOUS USE W/ ② |
| ⑨ | FLANGE | 6063-T5 ALUMINUM ALLOY/TEMPER | OPTIONAL |
| ⑩ | ANCHOR | SEE GENERAL NOTE 5A/1 | SEE DETAILS FOR SPACING SHEETS 4 , 5 |
| ⑪ | HEAD/SILL MOUNTING ANGLE, JAMB BLANK-OFF | 6061-T6 ALUMINUM ALLOY/TEMPER | CONTINUOUS |
| ⑫ | #8 x 1-1/2" HEX HEAD, ZINC PLATED S.M.S. | - | USE AT FRAME ASSEMBLY |
| ⑬ | #10 x 1-1/2" HEX HEAD, ZINC PLATED S.M.S. | - | USE (2) FOR BLADE ATTACHMENT EA. END |
| ⑭ | 1/4 -14 x 1-1/2" HEX HEAD, ZINC PLATED TEK SCREW | - | ANGLE CLIP ATTACHMENT TO HEAD & SILL |
| ⑮ | #10 x 3/4" HEX HEAD, ZINC PLATED TEK SCREW | - | BLADE BRACE ATTACHMENT & ⑪ ATTACHMENT |



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0726.13
Expiration Date 02/27/2025
By
Miami-Dade Product Control

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)971-1330, Fax: (305)971-1531
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

MODEL WDV-130
VERTICAL ALUMINUM LOUVER SYSTEM

UNITED ENERTECH HOLDINGS, LLC
3005 SOUTH HICKORY ST.
HARTFORD, CT 06107
PHONE: (423)698-7715 FAX: (423)698-6629

Y.M.
DRAWN BY:

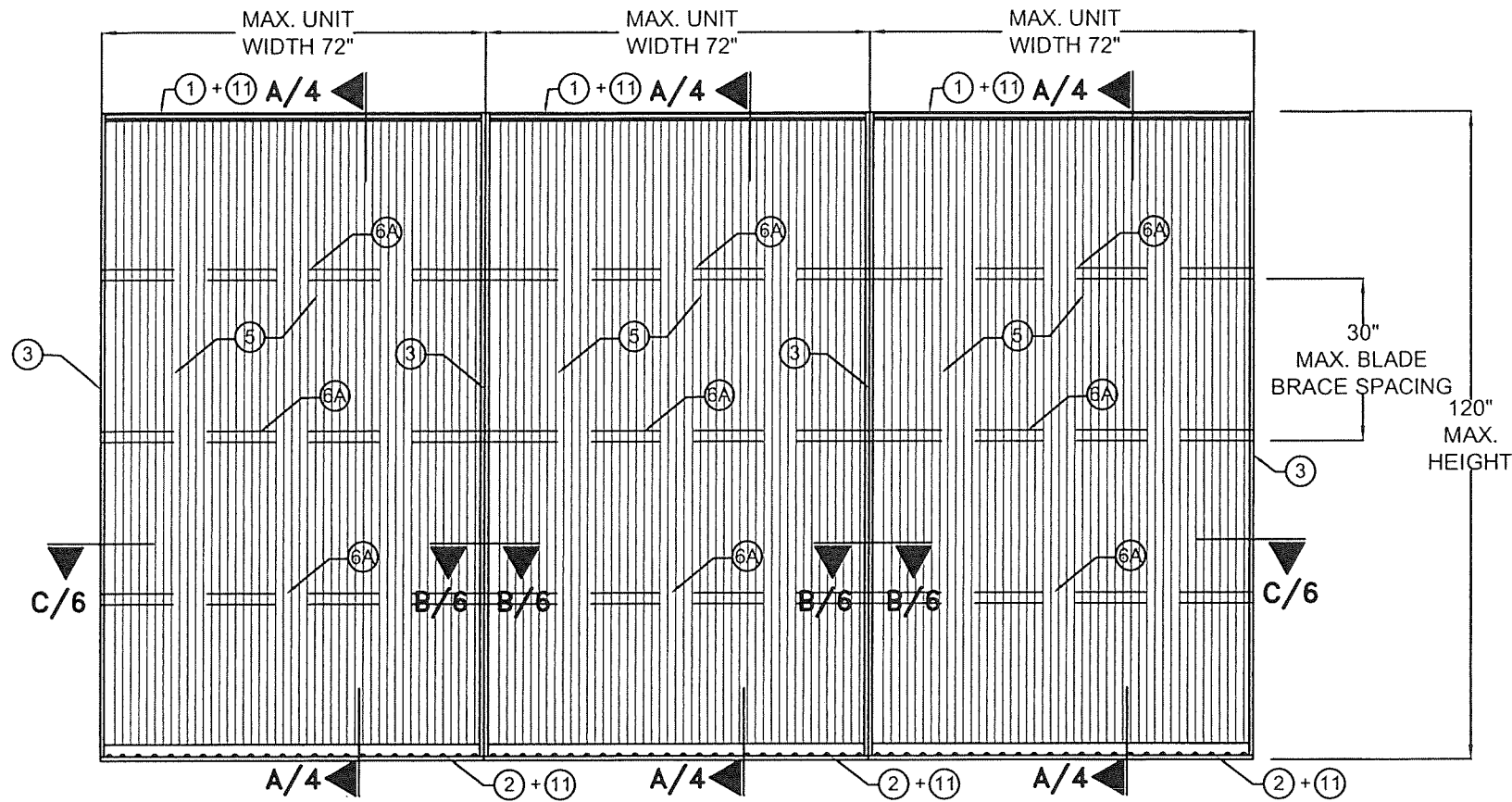
DATE:
7/7/2023

23-070

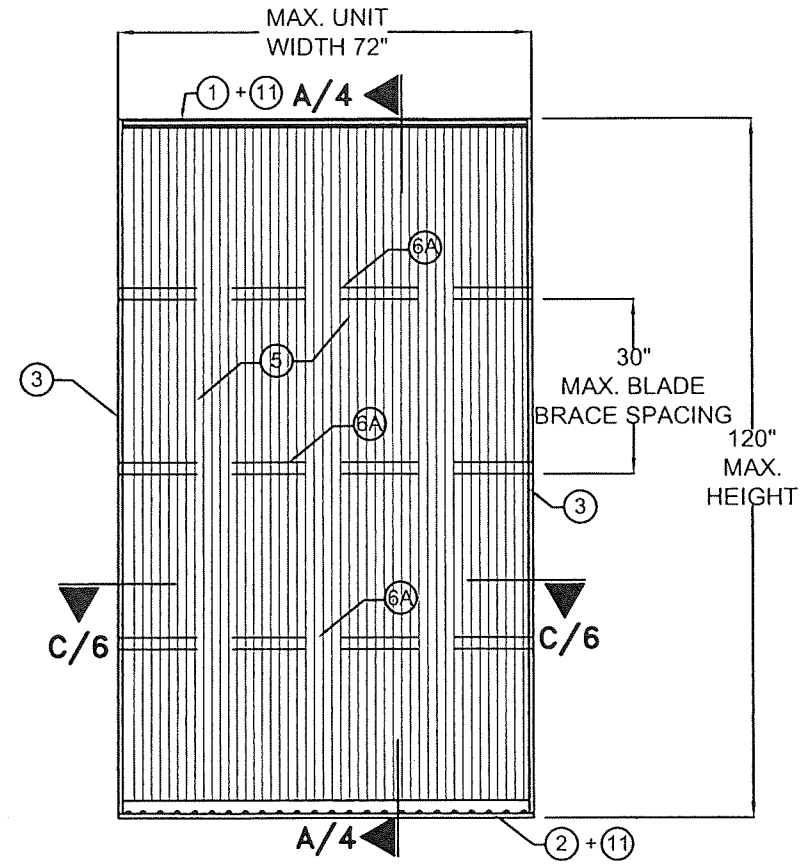
DRAWING No.

SHEET 2 OF 6

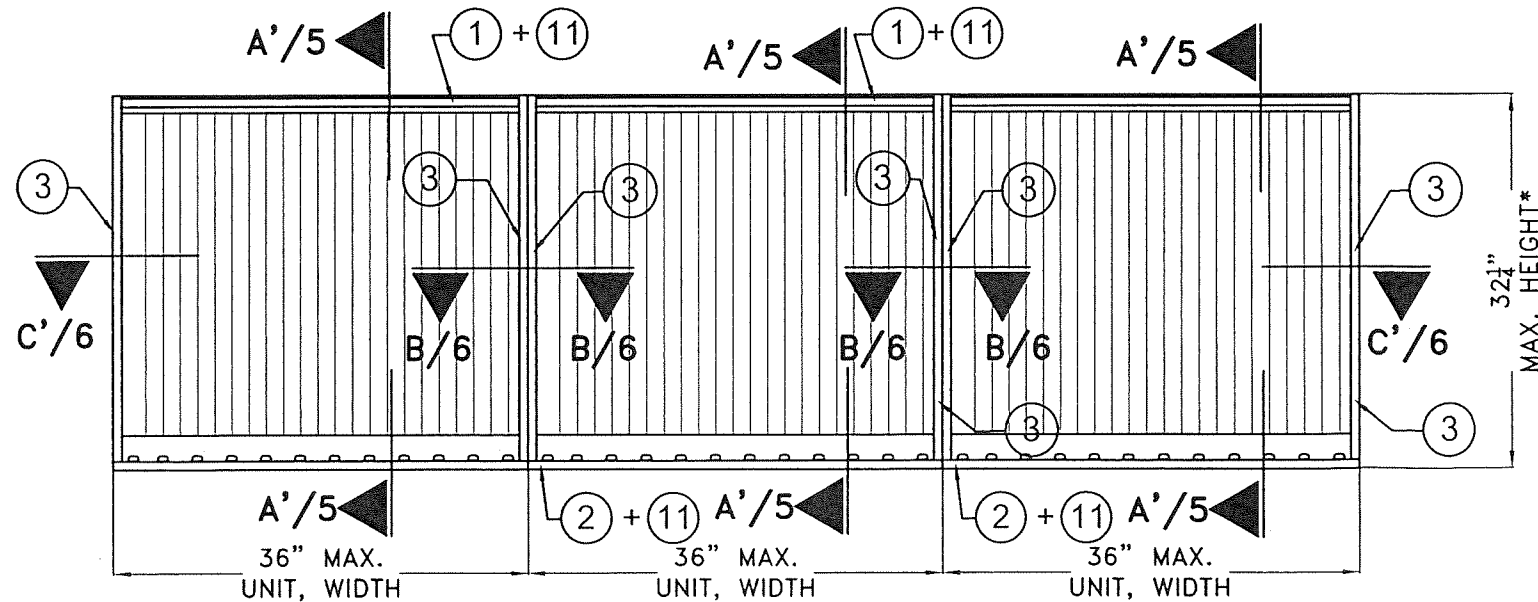
MIAMI-DADE COUNTY



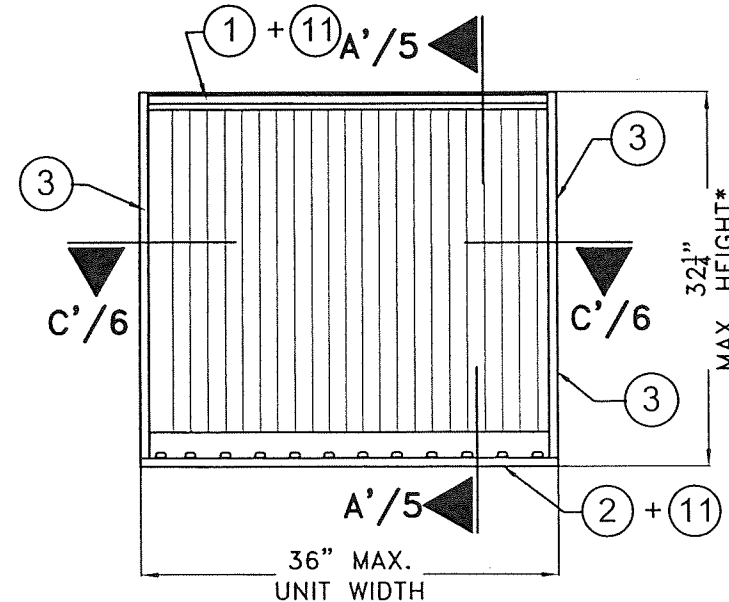
EXTERIOR ELEVATION
MULTIPLE UNITS W/ 6A



EXTERIOR ELEVATION
SINGLE UNIT W/ 6A



EXTERIOR ELEVATION
(MULTIPLE UNITS W/O 6A)



EXTERIOR ELEVATION
SINGLE UNIT W/O 6A

* MINIMUM HEIGHT IS 12" FOR AMCA 540 COMPLIANCE (IF REQUIRED)

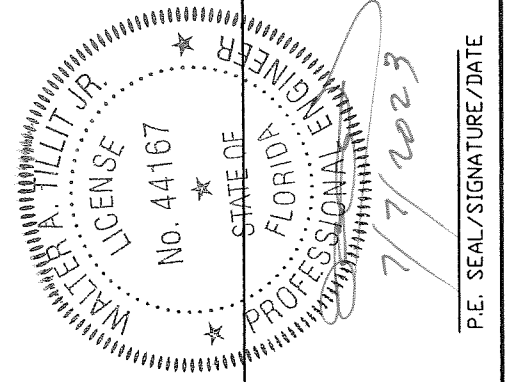
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

| | | | | | |
|--|--|-------------------------------|--|--|--|
| Y.M. DRAWN BY: 7/7/2023 DATE: 23-070 | | DRAWING No. 23-070 | | SHEET 3 OF 6 | |
| MODEL WDV-130 VERTICAL ALUMINUM LOUVER SYSTEM | | UNITED ENERTECH HOLDINGS, LLC | | 3005 SOUTH HICKORY ST. CHATTANOOGA, TN 37407 PHONE: (423) 698-6629 | |
| REV. NO. 1 | | DATE 7/7/2023 | | DESCRIPTION | |
| REV. NO. 2 | | DATE | | DESCRIPTION | |
| REV. NO. 3 | | DATE | | DESCRIPTION | |
| REV. NO. 4 | | DATE | | DESCRIPTION | |
| REV. NO. 5 | | DATE | | DESCRIPTION | |
| REV. NO. 6 | | DATE | | DESCRIPTION | |
| REV. NO. 7 | | DATE | | DESCRIPTION | |
| REV. NO. 8 | | DATE | | DESCRIPTION | |
| REV. NO. 9 | | DATE | | DESCRIPTION | |
| REV. NO. 10 | | DATE | | DESCRIPTION | |
| REV. NO. 11 | | DATE | | DESCRIPTION | |
| REV. NO. 12 | | DATE | | DESCRIPTION | |
| REV. NO. 13 | | DATE | | DESCRIPTION | |
| REV. NO. 14 | | DATE | | DESCRIPTION | |
| REV. NO. 15 | | DATE | | DESCRIPTION | |
| REV. NO. 16 | | DATE | | DESCRIPTION | |
| REV. NO. 17 | | DATE | | DESCRIPTION | |
| REV. NO. 18 | | DATE | | DESCRIPTION | |
| REV. NO. 19 | | DATE | | DESCRIPTION | |
| REV. NO. 20 | | DATE | | DESCRIPTION | |
| REV. NO. 21 | | DATE | | DESCRIPTION | |
| REV. NO. 22 | | DATE | | DESCRIPTION | |
| REV. NO. 23 | | DATE | | DESCRIPTION | |
| REV. NO. 24 | | DATE | | DESCRIPTION | |
| REV. NO. 25 | | DATE | | DESCRIPTION | |
| REV. NO. 26 | | DATE | | DESCRIPTION | |
| REV. NO. 27 | | DATE | | DESCRIPTION | |
| REV. NO. 28 | | DATE | | DESCRIPTION | |
| REV. NO. 29 | | DATE | | DESCRIPTION | |
| REV. NO. 30 | | DATE | | DESCRIPTION | |
| REV. NO. 31 | | DATE | | DESCRIPTION | |
| REV. NO. 32 | | DATE | | DESCRIPTION | |
| REV. NO. 33 | | DATE | | DESCRIPTION | |
| REV. NO. 34 | | DATE | | DESCRIPTION | |
| REV. NO. 35 | | DATE | | DESCRIPTION | |
| REV. NO. 36 | | DATE | | DESCRIPTION | |
| REV. NO. 37 | | DATE | | DESCRIPTION | |
| REV. NO. 38 | | DATE | | DESCRIPTION | |
| REV. NO. 39 | | DATE | | DESCRIPTION | |
| REV. NO. 40 | | DATE | | DESCRIPTION | |
| REV. NO. 41 | | DATE | | DESCRIPTION | |
| REV. NO. 42 | | DATE | | DESCRIPTION | |
| REV. NO. 43 | | DATE | | DESCRIPTION | |
| REV. NO. 44 | | DATE | | DESCRIPTION | |
| REV. NO. 45 | | DATE | | DESCRIPTION | |
| REV. NO. 46 | | DATE | | DESCRIPTION | |
| REV. NO. 47 | | DATE | | DESCRIPTION | |
| REV. NO. 48 | | DATE | | DESCRIPTION | |
| REV. NO. 49 | | DATE | | DESCRIPTION | |
| REV. NO. 50 | | DATE | | DESCRIPTION | |
| REV. NO. 51 | | DATE | | DESCRIPTION | |
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| REV. NO. 53 | | DATE | | DESCRIPTION | |
| REV. NO. 54 | | DATE | | DESCRIPTION | |
| REV. NO. 55 | | DATE | | DESCRIPTION | |
| REV. NO. 56 | | DATE | | DESCRIPTION | |
| REV. NO. 57 | | DATE | | DESCRIPTION | |
| REV. NO. 58 | | DATE | | DESCRIPTION | |
| REV. NO. 59 | | DATE | | DESCRIPTION | |
| REV. NO. 60 | | DATE | | DESCRIPTION | |
| REV. NO. 61 | | DATE | | DESCRIPTION | |
| REV. NO. 62 | | DATE | | DESCRIPTION | |
| REV. NO. 63 | | DATE | | DESCRIPTION | |
| REV. NO. 64 | | DATE | | DESCRIPTION | |
| REV. NO. 65 | | DATE | | DESCRIPTION | |
| REV. NO. 66 | | DATE | | DESCRIPTION | |
| REV. NO. 67 | | DATE | | DESCRIPTION | |
| REV. NO. 68 | | DATE | | DESCRIPTION | |
| REV. NO. 69 | | DATE | | DESCRIPTION | |
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| REV. NO. 71 | | DATE | | DESCRIPTION | |
| REV. NO. 72 | | DATE | | DESCRIPTION | |
| REV. NO. 73 | | DATE | | DESCRIPTION | |
| REV. NO. 74 | | DATE | | DESCRIPTION | |
| REV. NO. 75 | | DATE | | DESCRIPTION | |
| REV. NO. 76 | | DATE | | DESCRIPTION | |
| REV. NO. 77 | | DATE | | DESCRIPTION | |
| REV. NO. 78 | | DATE | | DESCRIPTION | |
| REV. NO. 79 | | DATE | | DESCRIPTION | |
| REV. NO. 80 | | DATE | | DESCRIPTION | |
| REV. NO. 81 | | DATE | | DESCRIPTION | |
| REV. NO. 82 | | DATE | | DESCRIPTION | |
| REV. NO. 83 | | DATE | | DESCRIPTION | |
| REV. NO. 84 | | DATE | | DESCRIPTION | |
| REV. NO. 85 | | DATE | | DESCRIPTION | |
| REV. NO. 86 | | DATE | | DESCRIPTION | |
| REV. NO. 87 | | DATE | | DESCRIPTION | |
| REV. NO. 88 | | DATE | | DESCRIPTION | |
| REV. NO. 89 | | DATE | | DESCRIPTION | |
| REV. NO. 90 | | DATE | | DESCRIPTION | |
| REV. NO. 91 | | DATE | | DESCRIPTION | |
| REV. NO. 92 | | DATE | | DESCRIPTION | |
| REV. NO. 93 | | DATE | | DESCRIPTION | |
| REV. NO. 94 | | DATE | | DESCRIPTION | |
| REV. NO. 95 | | DATE | | DESCRIPTION | |
| REV. NO. 96 | | DATE | | DESCRIPTION | |
| REV. NO. 97 | | DATE | | DESCRIPTION | |
| REV. NO. 98 | | DATE | | DESCRIPTION | |
| REV. NO. 99 | | DATE | | DESCRIPTION | |
| REV. NO. 100 | | DATE | | DESCRIPTION | |

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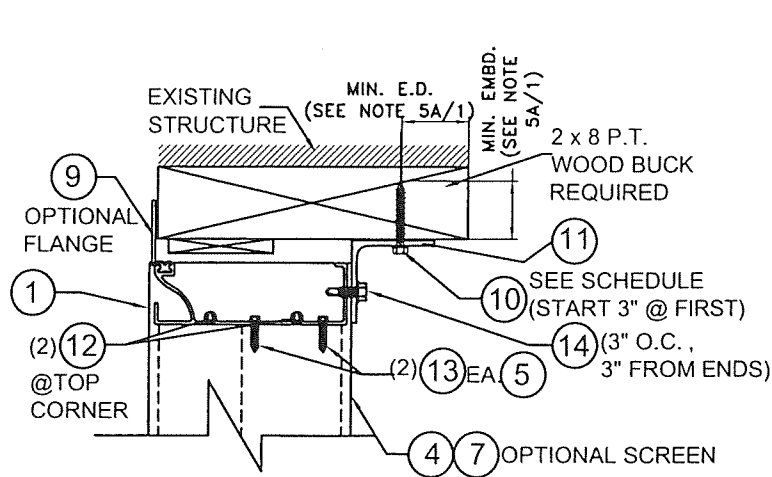
TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305) 971-1530, Fax: (305) 971-1531
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

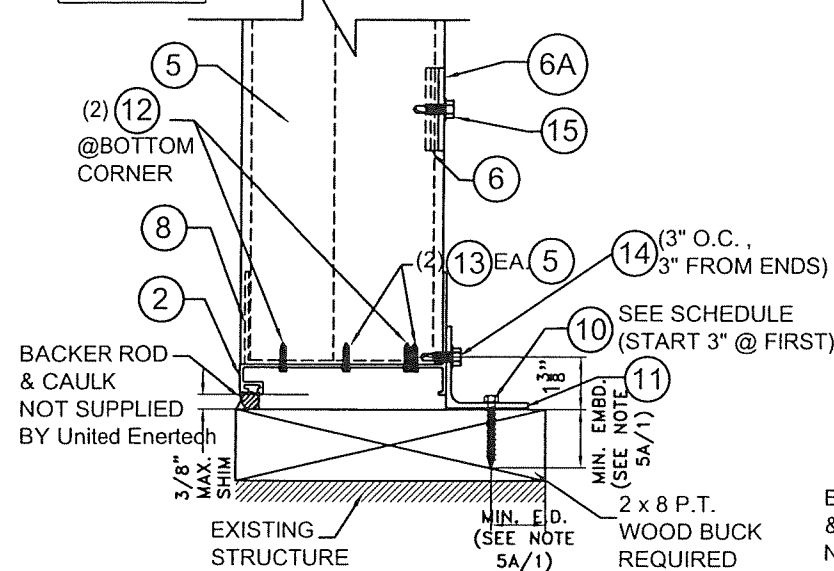


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0726.13
Expiration Date 02/27/2025
By *[Signature]*
Miami-Dade Product Control

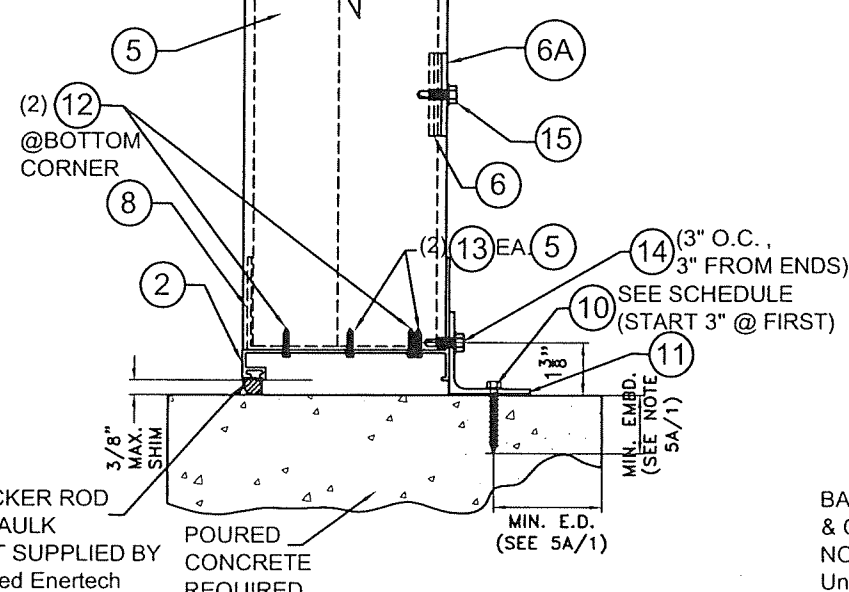
MIAMI-DADE COUNTY



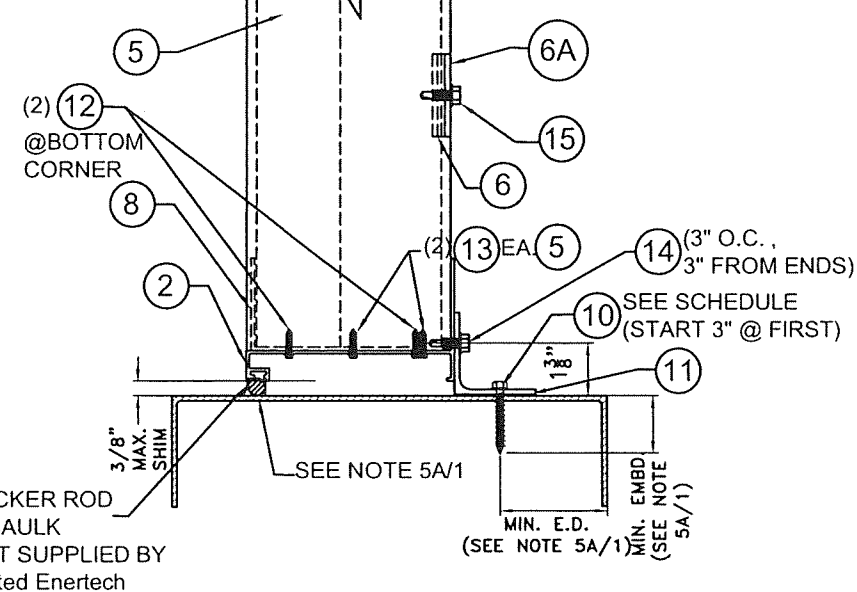
EXTERIOR



EXTERIOR



EXTERIOR



WOOD SUBSTRATE

SCALE: 3" = 1'-0"

CONCRETE SUBSTRATE

SCALE: 3" = 1'-0"

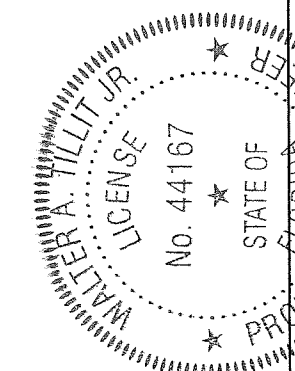
ALUMINUM & STEEL
SUBSTRATE

SCALE: 3" = 1'-0"

SECTIONS A-A W/6A

MAX. ANCHOR 10 SPACING SCHEDULE AS PER
NOTE 5A/1 AT ANGLE 11 TOP & BOTTOM

| A.S.D. DESIGN LOAD (p.s.f.) | MAX. UNIT HEIGHT (FT) | SUBSTRATE | | | |
|--------------------------------|-----------------------------|-----------|---------------------------|-------------|----------------------|
| | | CONCRETE | GROUTED CONCRETE BLOCK | WOOD | STEEL OR ALUMINUM |
| ≤ 75.0 | ≤ 5'-0" | 6" O.C. | 6" O.C. | 6" O.C. | 6" O.C. |
| | > 5'-0" - 10'-0" | 6" O.C. | 6" O.C. | 3 1/4" O.C. | 6" O.C. |
| >75-150 | ≤ 5'-0" | 6" O.C. | 6" O.C. | 3 1/4" O.C. | 6" O.C. |
| | >5'-0" - 10'-0" | 6" O.C. | 4 1/2" O.C. | N/A | 4" O.C. |



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By *[Signature]*
Miami-Dade Product Control

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)971-1530 Fax: (305)971-1531
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

MODEL WDV-130
VERTICAL ALUMINUM LOUVER SYSTEM

UNITED ENERTECH HOLDINGS, LLC
3005 SOUTH HICKORY ST.
CHATTANOOGA, TN 37407
PHONE: (423)698-7715

Y.M.
DRAWN BY:

DATE:
7/7/2023

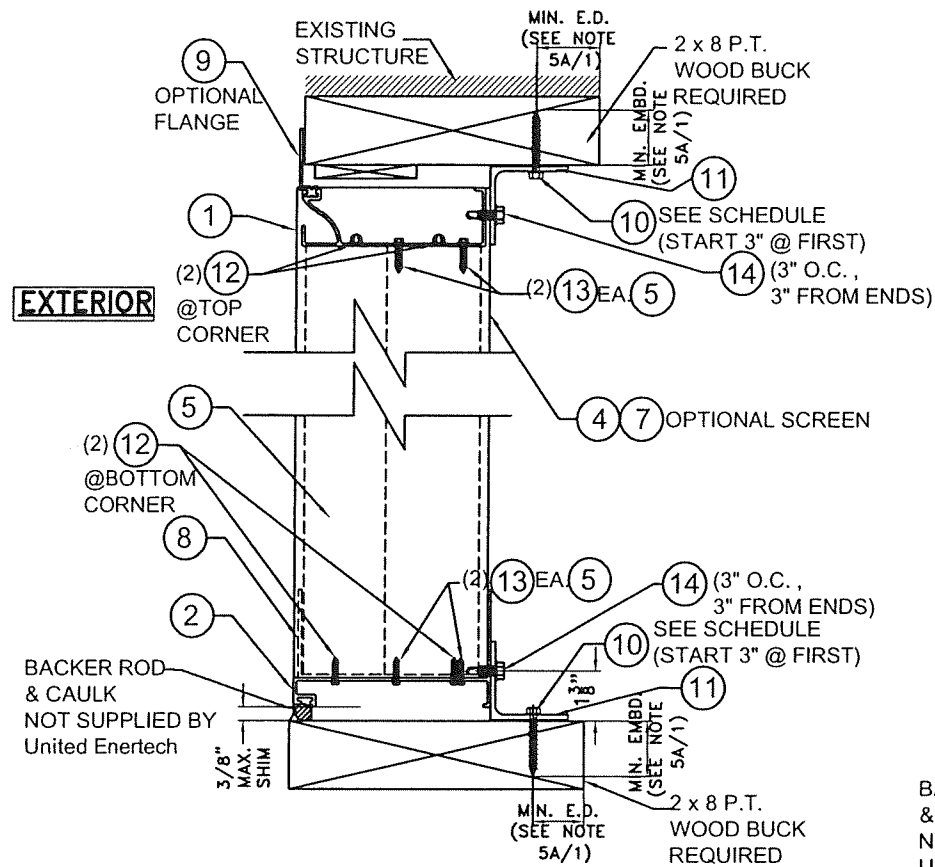
23-070

DRAWING No.

SHEET 4 OF 6

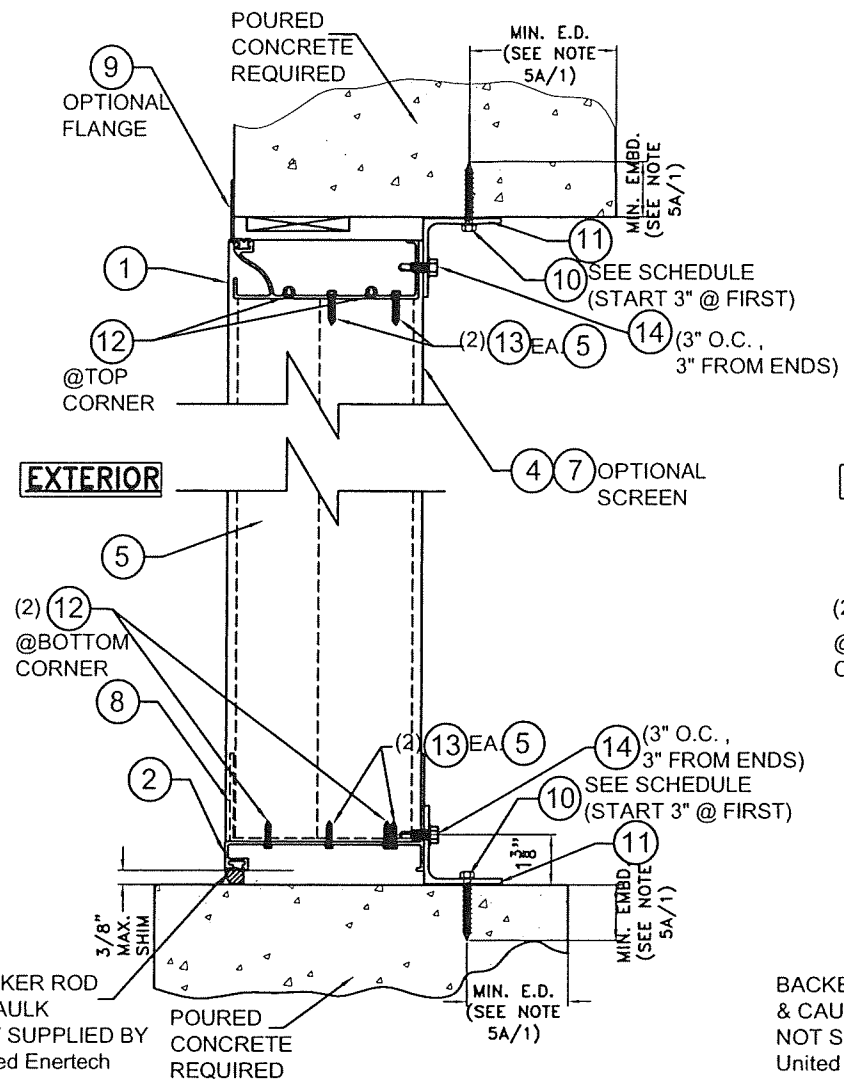
P.E. SEAL/SIGNATURE/DATE

MIAMI-DADE COUNTY



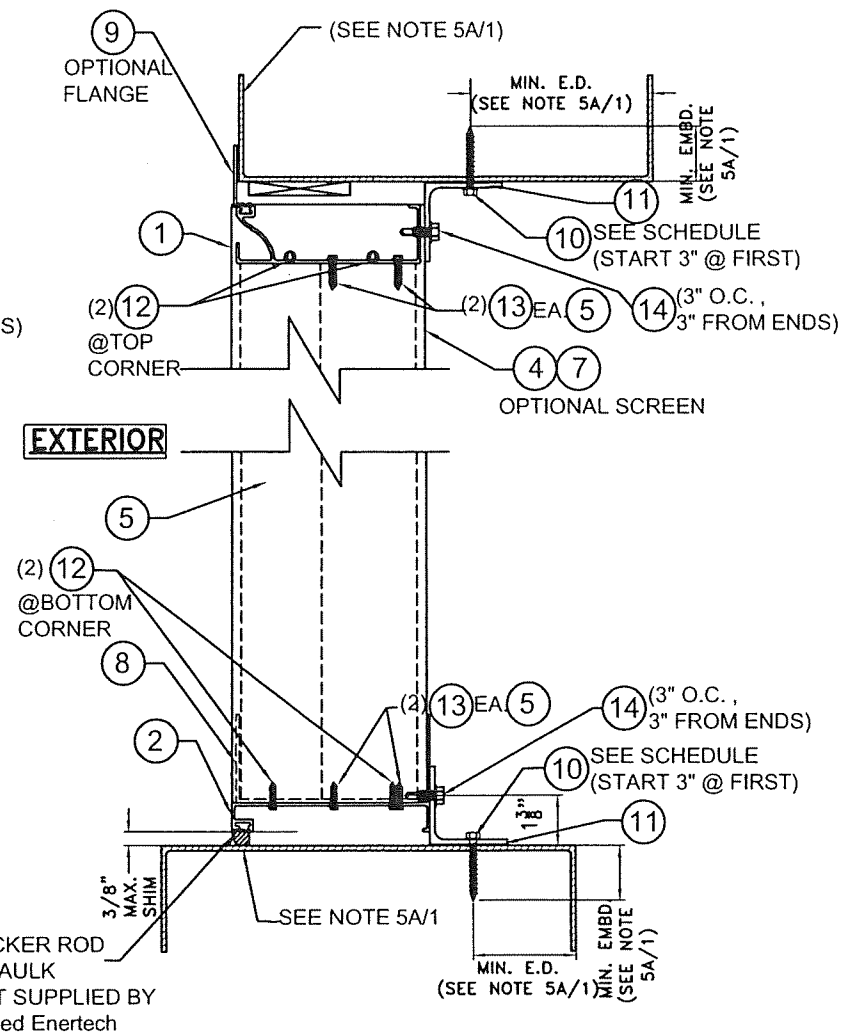
WOOD SUBSTRATE

SCALE: 3" = 1'-0"



CONCRETE SUBSTRATE

SCALE: 3" = 1'-0"



ALUMINUM & STEEL SUBSTRATE

SCALE: 3" = 1'-0"

SECTIONS A'-A' W/O 6A

MAX. ANCHOR 10 SPACING SCHEDULE AS PER
NOTE 5A/1 AT ANGLE 11 TOP & BOTTOM

| A.S.D. DESIGN LOAD (p.s.f.) | MAX. UNIT HEIGHT (FT) | SUBSTRATE | | | |
|--------------------------------|-----------------------------|-----------|---------------------------|-------------|----------------------|
| | | CONCRETE | GROUTED CONCRETE BLOCK | WOOD | STEEL OR ALUMINUM |
| ≤ 75.0 | ≤ 5'-0" | 6" O.C. | 6" O.C. | 6" O.C. | 6" O.C. |
| | > 5'-0" - 10'-0" | 6" O.C. | 6" O.C. | 3 1/4" O.C. | 6" O.C. |
| > 75-150 | ≤ 5'-0" | 6" O.C. | 6" O.C. | 3 1/4" O.C. | 6" O.C. |
| | > 5'-0" - 10'-0" | 6" O.C. | 4 1/2" O.C. | N/A | 4" O.C. |

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

MODEL WDV-130
VERTICAL ALUMINUM LOUVER SYSTEM

UNITED ENERTECH HOLDINGS, LLC

3005 SOUTH HICKORY ST.
HARTFORD, CT 06105
PHONE: (860) 234-7715 FAX: (860) 234-7716

REV. NO. DATE DESCRIPTION
1 7/7/2023 3 4

DATE 7/7/2023

DRAWING No. 23-070

SHEET 5 OF 6

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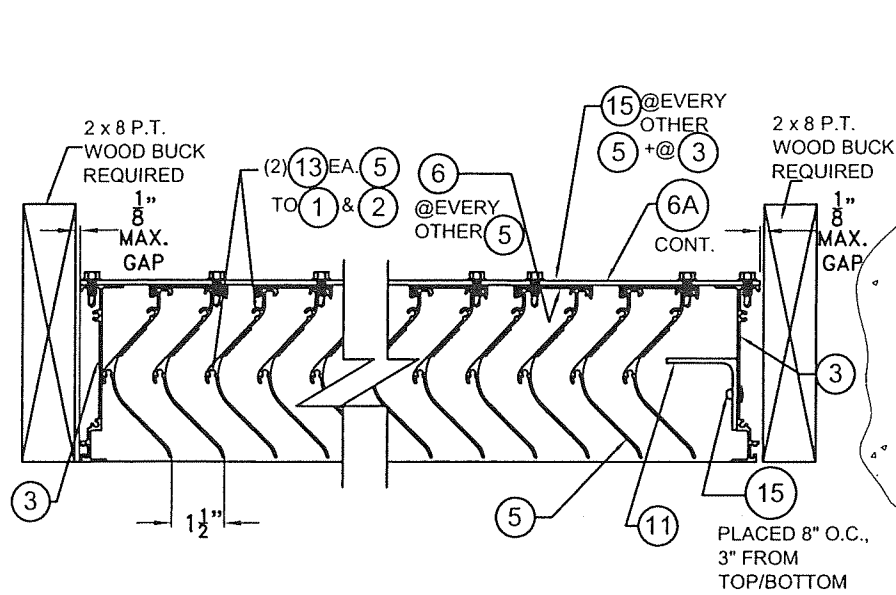
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Suite 305, Virginia Gardens, FL 33166
Phone: (305) 971-1530 Fax: (305) 971-1531
CA-0006719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167



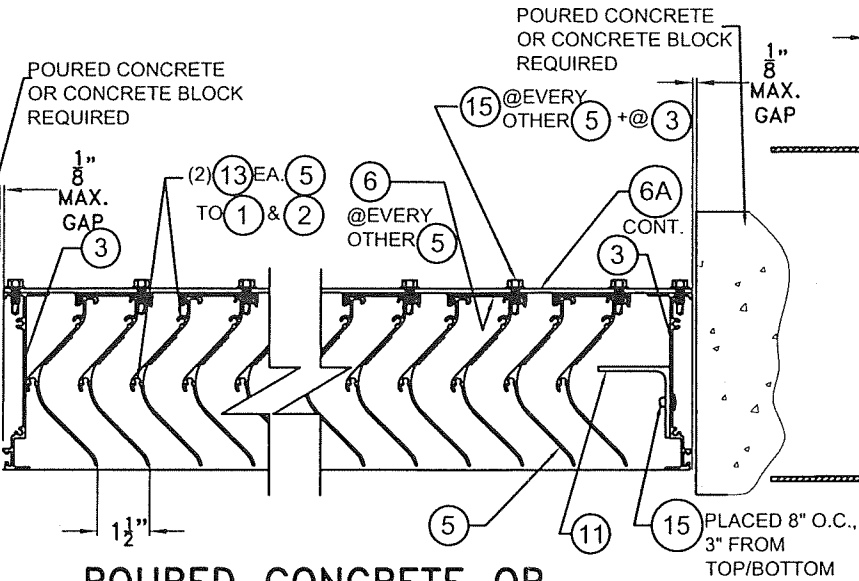
P.E. SEAL/SIGNATURE/DATE

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0726.13
Expiration Date 02/27/2025
By *[Signature]*
Miami-Dade Product Control

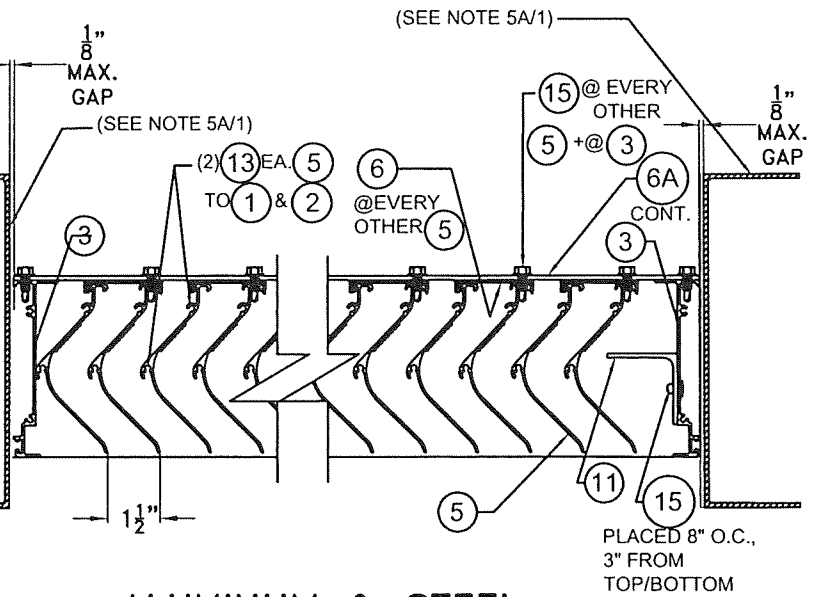
MIAMI-DADE COUNTY



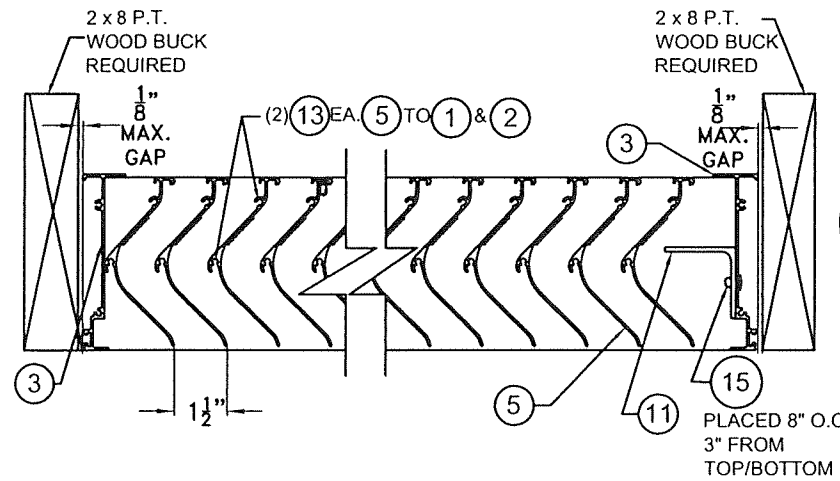
WOOD SUBSTRATE
N.T.S.



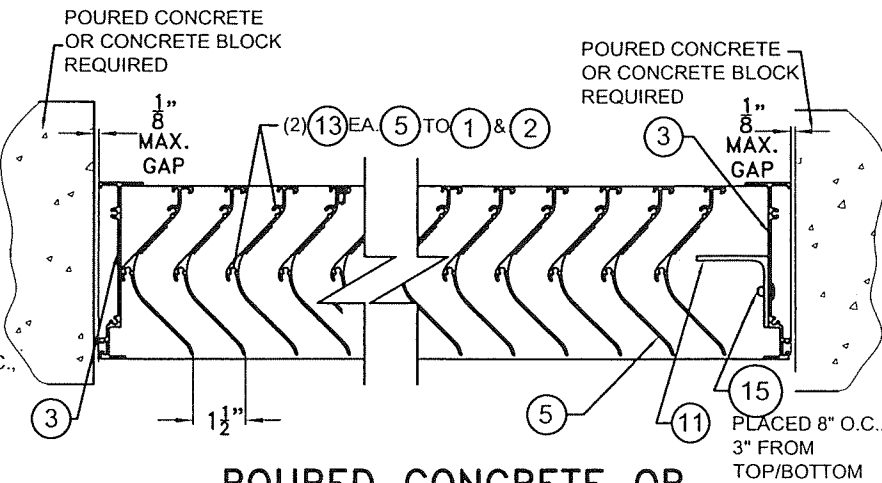
**POURED CONCRETE OR
CONCRETE BLOCK SUBSTRATE**
N.T.S.



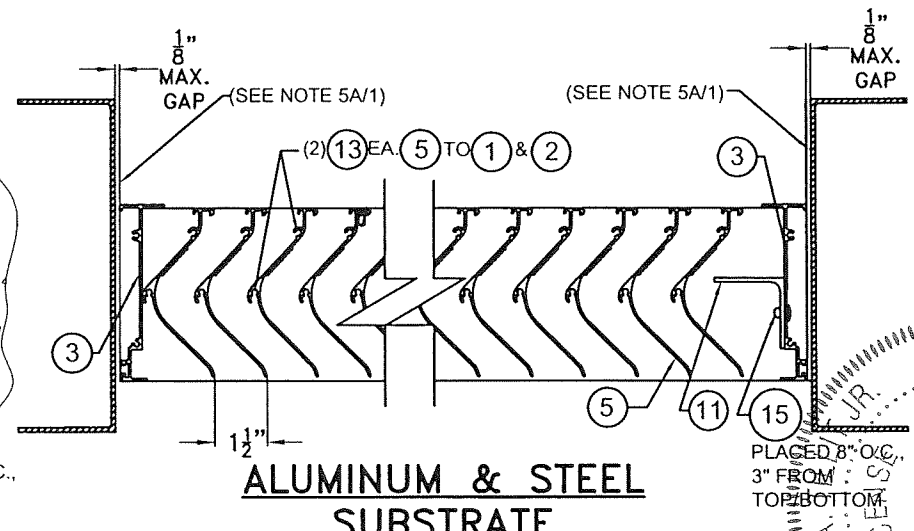
**ALUMINUM & STEEL
SUBSTRATE**
N.T.S.



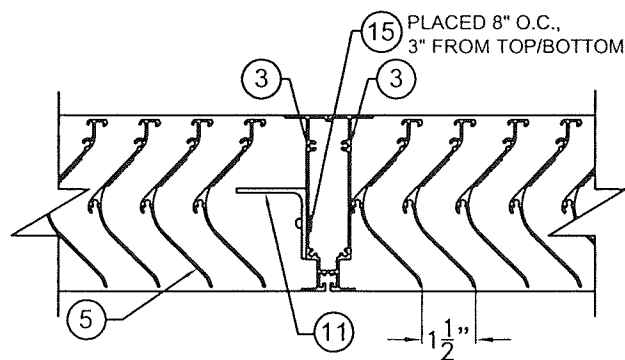
WOOD SUBSTRATE
N.T.S.



**POURED CONCRETE OR
CONCRETE BLOCK SUBSTRATE**
N.T.S.



**ALUMINUM & STEEL
SUBSTRATE**
N.T.S.



SECTION B-B
N.T.S.

SECTIONS C'-C' W/O (6A)
SCALE: 3" = 1'-0"

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

| | | | | | | | |
|---|--|----------------|--|---------------|--|-------------|--|
| Y.M. DRAWN BY: 7/7/2023 DATE: 23-070 DRAWING No. SHEET 6 OF 6 | | REV. NO. 1 2 | | DATE 7/7/2023 | | DESCRIPTION | |
| MODEL WDV-130 VERTICAL ALUMINUM LOUVER SYSTEM | | REV. NO. 3 4 | | DATE 7/7/2023 | | DESCRIPTION | |
| UNITED ENERTECH HOLDINGS, LLC | | REV. NO. 5 6 | | DATE 7/7/2023 | | DESCRIPTION | |
| 3005 SOUTH HICKORY ST. 159 GENCO DRIVE CHATTANOOGA, TN 37407 FAX: (423)698-6629 | | REV. NO. 7 8 | | DATE 7/7/2023 | | DESCRIPTION | |
| TILTECO INC. 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)971-1530 Fax: (305)971-1531 | | REV. NO. 9 10 | | DATE 7/7/2023 | | DESCRIPTION | |
| ©2023 TILTECO, INC. | | REV. NO. 11 12 | | DATE 7/7/2023 | | DESCRIPTION | |
| TILTECO INC. TILIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)971-1530 Fax: (305)971-1531 | | REV. NO. 13 14 | | DATE 7/7/2023 | | DESCRIPTION | |
| WALTER A. TILIT JR. P.E. FLORIDA Lic. # 44167 | | REV. NO. 15 16 | | DATE 7/7/2023 | | DESCRIPTION | |
| P.E. SEAL/SIGNATURE/DATE | | REV. NO. 17 18 | | DATE 7/7/2023 | | DESCRIPTION | |
| MIAMI-DADE COUNTY | | REV. NO. 19 20 | | DATE 7/7/2023 | | DESCRIPTION | |

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By Walter A. Tilit Jr.
Miami-Dade Product Control