



**MIAMI-DADE COUNTY**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**METRO-DADE FLAGLER BUILDING**  
**140 WEST FLAGLER STREET, SUITE 1603**  
**MIAMI, FLORIDA 33130-1563**  
 (305) 375-2901 FAX (305) 372-6339

**NOTICE OF ACCEPTANCE (NOA)**

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

**United Enertech**  
**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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 VV-10-D Aluminum Louver with or without CD-151 Damper**

**APPROVAL DOCUMENT:** Drawing No. **08-269**, titled "VV-10-D Aluminum Louver w/ or w/o CD-151 Damper Assembly", sheets 1 through 7 of 7, dated 01/09/09, 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 expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", 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 **renews NOA # 09-0203.10** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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

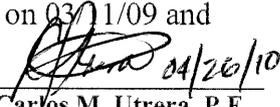


*[Handwritten Signature]*  
 04/26/10

**NOA No. 10-0303.07**  
**Expiration Date: August 18, 2015**  
**Approval Date: April 28, 2010**  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- A. DRAWINGS “Submitted under NOA # 09-0203.10”**
1. Drawing No. **08-269**, titled “VV-10-D Aluminum Louver w/ or w/o CD-151 Damper Assembly”, sheets 1 through 7 of 7, dated 01/09/09, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.
- B. TESTS “Submitted under NOA # 09-0203.10”**
1. Test report of Uniform Static Air Pressure Test per TAS 202-94, Large Missile Impact Test per TAS 201-94 and Cyclic Wind Pressure Loading per TAS 203-94 on 144” x 96” of aluminum louver system with damper prepared by American Test Lab of South Florida, Test Report No. **0203.01-05**, dated 03/10/05, signed and sealed by W. R. Mehner, P.E. and H. Hattem, P.E.
  2. Test report of Wind Driven Rain Resistance per TAS (A) 95 on VV-10-D Louver w/ CD151 Parallel Blade Damper, prepared by PRI Asphalt Technologies, Inc, Test Report No. **PRI05014**, dated 02/08/05, signed and sealed by C. L. Thomas, P.E.
  3. Test report of Tensile Test per ASTM E-8 of 6 samples, Test Report No. **5BM-187**, dated 03/07/05, signed by Frank Grate. “Submitted under NOA # 05-0314.02”
- C. CALCULATIONS “Submitted under NOA # 09-0203.10”**
1. Anchoring calculations, prepared by Tilteco Inc, dated 01/13/09, sheets 1 through 3 of 3, complying with F.B.C. 2007, signed and sealed by Walter A. Tillit Jr., P.E.
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO)
- E. MATERIAL CERTIFICATIONS**
1. None.
- F. STATEMENTS**
1. Letter of no change issued by United Enertech, dated 02/24/10, signed by Dane Carey.
  2. Letter of code compliance issued by Tilteco, Inc., dated 01/12/09, signed and sealed by Walter A. Tillit, Jr., P.E. “Submitted under NOA # 09-0203.10”
  3. Letter of no financial interest issued by Tilteco, Inc., dated 02/28/05, signed and sealed by Walter A. Tillit, Jr., P.E. “Submitted under NOA # 05-0314.02”
- G. OTHER**
1. Notice of acceptance NOA # **09-0203.10** issued to United Enertech for their Model VV-10-D Aluminum Louver w/ or w/o CD-151 Damper, approved on 03/11/09 and expiring on 08/18/10.

  
\_\_\_\_\_  
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 10-0303.07  
Expiration Date: August 18, 2015  
Approval Date: April 28, 2010

**GENERAL NOTES:**

1.) W-10-D ALUMINUM LOUVER SYSTEM W/ OR W/O CD-151 DAMPER SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2007 EDITION OF THE FLORIDA BUILDING CODE. THIS ALUMINUM LOUVER SYSTEM W/ OR W/O DAMPER MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE. ALUMINUM LOUVER SYSTEM W/ OR W/O DAMPER'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER AMERICAN TESTING LAB REPORT #0203.01-05, AS PER TAS-201, TAS-202, TAS-203, & PRI TECHNOLOGIES LAB REPORT #UEC-001-02-01, PER TAS-100A (WIND DRIVEN RAIN)

DESIGN PRESSURE RATING:  
+150, -150 psf.

- 2.) ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T5 ALLOY W/ MIN. SPECIFIC YIELD STRENGTHS AS SHOWN 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.
- 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.) ANCHORS TO EXISTING STRUCTURE SHALL BE AS FOLLOWS (SEE SHEET 6):
- (A) ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S 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=3192 psi) MIN.	TO CONCRETE BLOCK ASTM (C-90 UNIT)	TO 1/8" MIN. STEEL Fy=33 ksi (MIN.)	TO WOOD (G ≥ 0.55)	CONCRETE OR CONCRETE BLOCK	STEEL	WOOD
TAPCONS	ITW/ BUILDEX	1/4"	1-3/4"	1-1/4"	N/A	1 1/2"	3"	N/A	2"
TEK SCREWS	ITW/ BUILDEX	1/4"	N/A	N/A	3/4"	N/A	N/A	1"	N/A

- 6.) W-10-D ALUMINUM LOUVER SYSTEM W/O CD-151 DAMPER SHALL ONLY BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
- 7.) W-10-D ALUMINUM LOUVER SYSTEM W/ CD-151 DAMPER MAY BE INSTALLED IN LOCATIONS WHERE THE ROOM BEHIND THE LOUVER 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 W/ DAMPER IS LIMITED TO 40 FT IN HEIGHT ACCORDING TO TABLE 3 OF TAS 100(A)-95.
- 8.) CD-151 DAMPER IS AN OPERABLE ASSEMBLY. IT MAY BE OPERATED BY MEANS OF A HAND QUADRANT HANDLE MECHANISM (AS SHOWN ON SHEET 7) OR THROUGH AN ELECTRICAL OR PNEUMATIC ACTUATOR. DAMPER'S OPERATIVE MECHANISM IS NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.

9. ALL ALUMINUM IN CONTACT W/DISSIMILAR MATERIALS MUST BE PAINTED PER SECTIONS 2003.8.4.2, 2003.8.4.4, 2003.8.4.5 AND 2003.8.4.6 OF THE FLORIDA BUILDING CODE AS APPLICABLE.

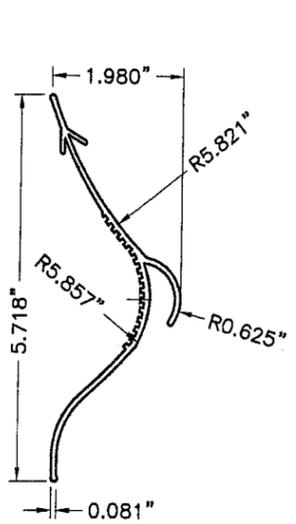
- 10.) IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE LOUVER SYSTEM IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE.
- 11.) (a) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC PROJECT; 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.
- 12.) LOUVER MANUFACTURER LABEL SHALL BE PLACED ON THE EXPOSED SURFACE OF LOUVER BLADE (COMPONENT ①). ONE LABEL SHALL BE PLACED FOR EVERY OPENING AND SHALL READ AS FOLLOWS:  
**UNITED ENERTECH, INC.**  
CHATTANOOGA, TN  
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No 10-0303.07  
Expiration Date 08/18/2015  
By *[Signature]*  
Miami Dade Product Control Division

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 07-0203.10  
Expiration Date 08/18/2010  
By *[Signature]*  
Miami Dade Product Control Division

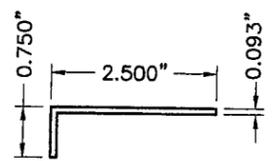
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

MIAMI-DADE COUNTY	 JAN 13 2009 P.E. SEAL/SIGNATURE/DATE	© 2008 TILTECO, INC.  TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33168 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167	W-10-D ALUMINUM LOUVER W/ OR W/O CD-151 DAMPER ASSEMBLY  3005 South Hickory Street Chattanooga, TN 37407 Telephone:(423)698-7715	DRAWN BY: I.A 01/09/09 DATE 08-269 DRAWING No SHEET 1 OF 7																		
<table border="1" style="width: 100%; font-size: small;"> <thead> <tr> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OLD 05-021</td> <td>01/07/09</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>4</td> <td></td> <td></td> </tr> </tbody> </table>					REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 05-021	01/07/09	3			2			4		
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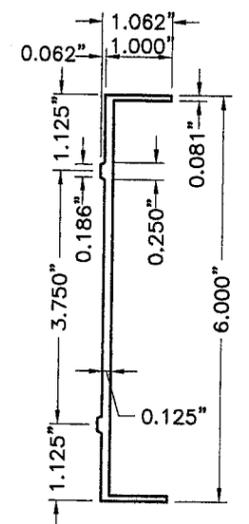
**1L VERTICAL BLADE**

MATERIAL:  
(6063-T5 ALUMINUM ALLOY)  
Fy(MIN.)=31.6 ksi



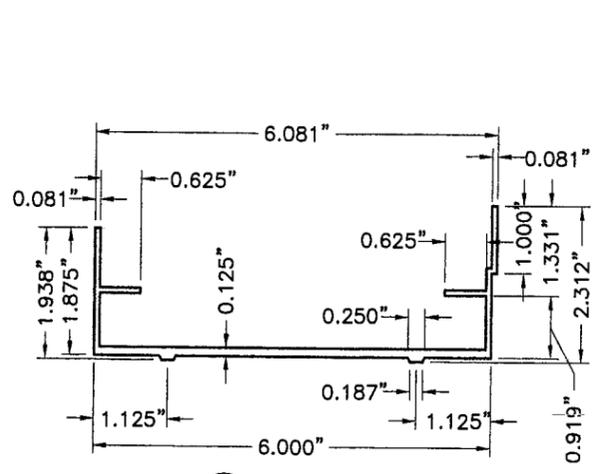
**4L 1ST BLADE BLANK-OFF**

MATERIAL:  
FORMED ALUMINUM  
(6063-T5 ALUMINUM ALLOY)



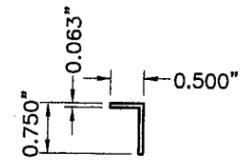
**2L JAMB & HEAD**

MATERIAL:  
(6063-T5 ALUMINUM ALLOY)  
Fy(MIN.)=25.3 ksi



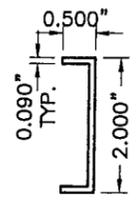
**3L SILL**

MATERIAL:  
(6063-T5 ALUMINUM ALLOY)  
Fy(MIN.)=32.7 ksi



**5L BLADE'S SPACER**

MATERIAL:  
(6063-T5 ALUMINUM ALLOY)

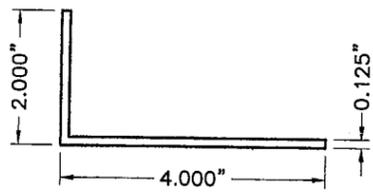


**6L ALUM. CHANNEL**

MATERIAL:  
FORMED ALUMINUM  
(6063-T5 ALUMINUM ALLOY)

**7L BLANK-OFF PANEL**

3 3/4" X .093" CONT ALUM. PLATE  
(6063-T5 ALUMINUM ALLOY)

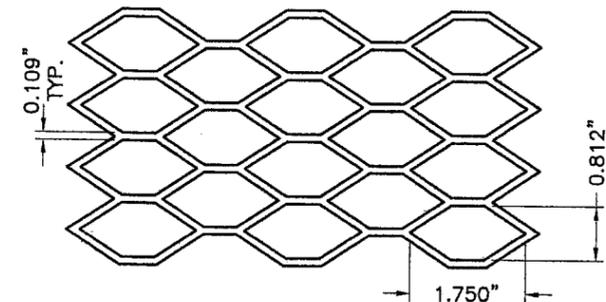


**10L TOP & BOTTOM ALUM. ANGLE**

MATERIAL:  
(6063-T5 ALUMINUM ALLOY)

**8L BLANK-OFF PANEL**

3 1/8" X .093" CONT ALUM. PLATE  
(6063-T5 ALUMINUM ALLOY)



**11L REAR MESH**

MATERIAL:  
NOMINAL 3/4"x0.050" THICK (0.17 lb/SQ. Ft)  
(3003-H14 ALUMINUM ALLOY)

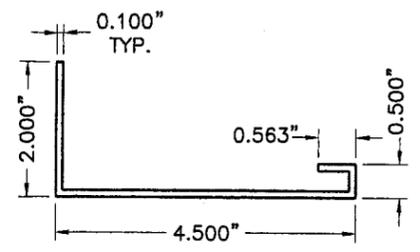
**9L COVER STRIP**

2" X 1/8" X 92" MAX. ALUM. PLATE  
(6063-T5 ALUMINUM ALLOY)

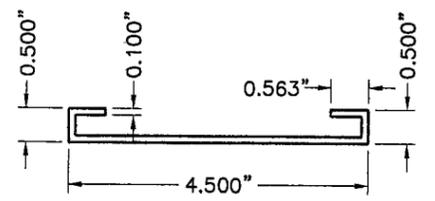
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No 10-0303.07  
Expiration Date 08/18/2012  
By *[Signature]*  
Miami Dade Product Control  
Division

**W-10D LOUVER COMPONENTS**

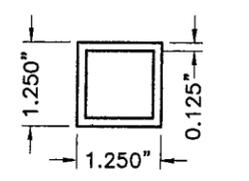
MIAMI-DADE COUNTY



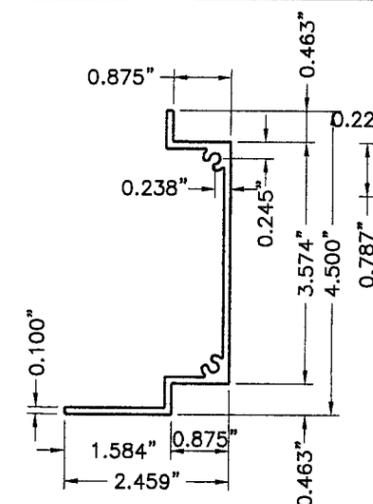
**1D HEAD & SILL**



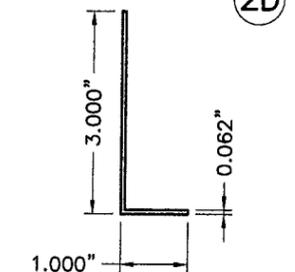
**7D MID-HEIGHT HEAD or SILL**



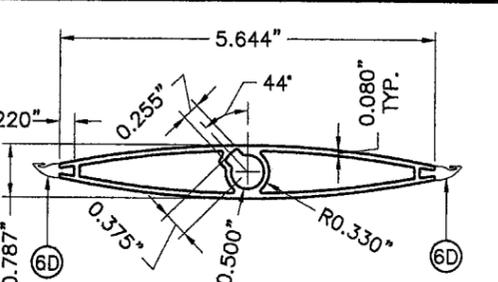
**1I INTERMEDIATE TUBE FRAME**



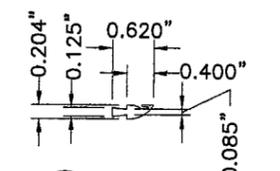
**2D JAMB**



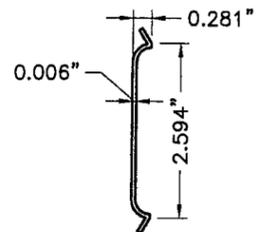
**8D ALUM. ANGLE BLADE STOP**



**3D DAMPER BLADE**



**6D BLADE SEAL**



**9D JAMB SEAL**

**PRODUCT REVISED**  
as complying with the Florida  
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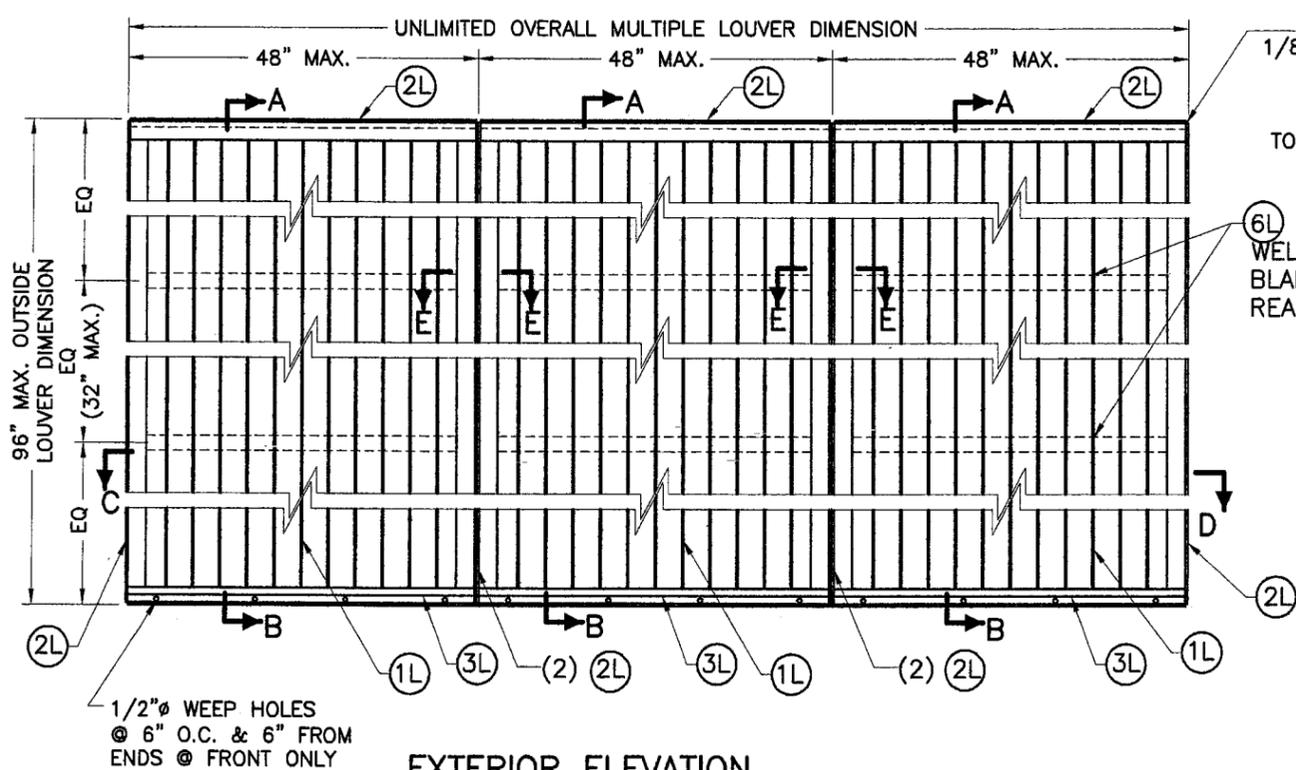
**CD-151 DAMPER AND INTERMEDIATE TUBE FRAME COMPONENTS** (EXCLUDES COMPONENTS FOR OPERATIVE MECHANISM, SEE NOTE 8/1)

**BILL OF MATERIALS**

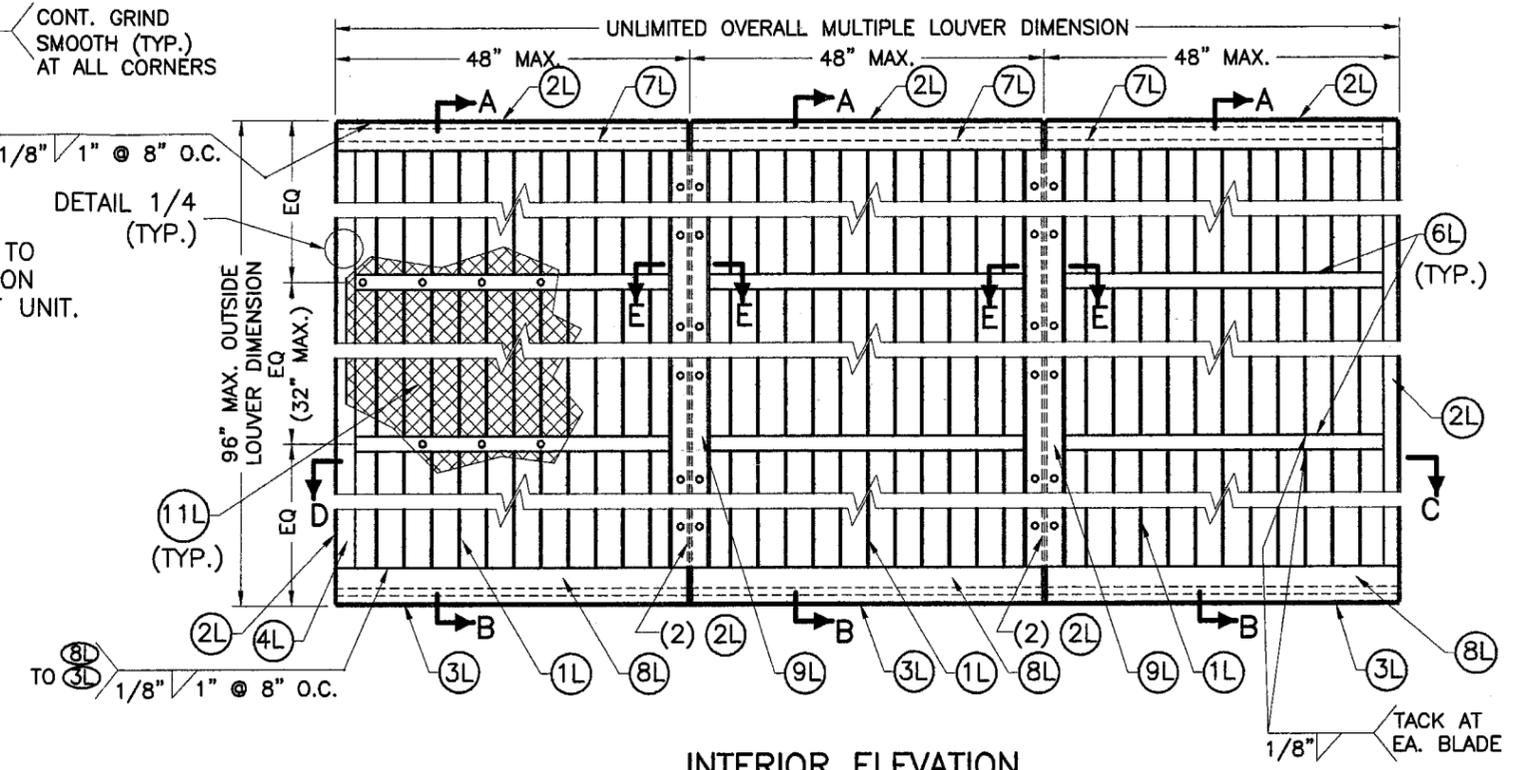
ITEM	DESCRIPTION	MATERIAL	SIZE	REMARKS
1D	EXTRUDED ALUM HEAD & SILL	6063-T5 ALUMINUM ALLOY	SEE DETAIL	Fy(MIN.)=33.4 ksi
2D	EXTRUDED ALUM JAMB	6063-T5 ALUMINUM ALLOY	SEE DETAIL	Fy(MIN.)=31.6 ksi
3D	EXTRUDED ALUM DAMPER BLADE.	6063-T5 ALUMINUM ALLOY	SEE DETAIL	Fy(MIN.)=31.8 ksi
4L	BUSHING	BRONZE	1/2" I.D.(5/8" O.D.)x1/4"	0.059"THICK @ WASHER SIDE
5D	AXLE PIN	ZAMAC No. 3 ZINC	1/2"x3 1/8"	WITH NYLON WASHER & LOCK RING
6D	BLADE SEAL	SILICONE	SEE DETAIL	ASTM D-2000, 60-65 DUROMETER
7D	MID-HEIGHT EXTRUDED ALUM. HEAD or SILL	6063-T5 ALUMINUM ALLOY	SEE DETAIL	Fy(MIN.)=29.8 ksi
8D	ALUM. ANGLE BLADE STOP	6063-T5 ALUMINUM ALLOY	SEE DETAIL	WITH VINYL WEATHER STRIP AT END OF 3" LEG
9D	JAMB SEAL	STAINLESS STEEL 316 SERIES	SEE DETAIL	ATTACHED TO 2D W/(3) DOUBLE SIDED (1"x1/8") TAPES
10D	SDS TEK SCREWS ITW / BUILDEX	ZINC PLATED STEEL	1/4"x1" LONG	FASTEN TO 6D @ 12" O.C., 2 1/2" FROM ENDS
1I	INTERMEDIATE TUBE FRAME	6063-T5 ALUMINUM ALLOY	SEE DETAIL THIS SHEET AND SHEET 5.	Fy(MIN.)=31.9 ksi INSTALL BETWEEN DAMPER & LOUVER FRAME.

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

 <b>JAN 13 2009</b> P.E. SEAL/SIGNATURE/DATE	© 2008 TILTECO, INC.  TILFIT TESTING & ENGINEERING COMPANY 8355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33168 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167	W-10-D ALUMINUM LOUVER W/ OR W/O CD-151 DAMPER ASSEMBLY	DRAWN BY: I.A. DATE 01/09/09																		
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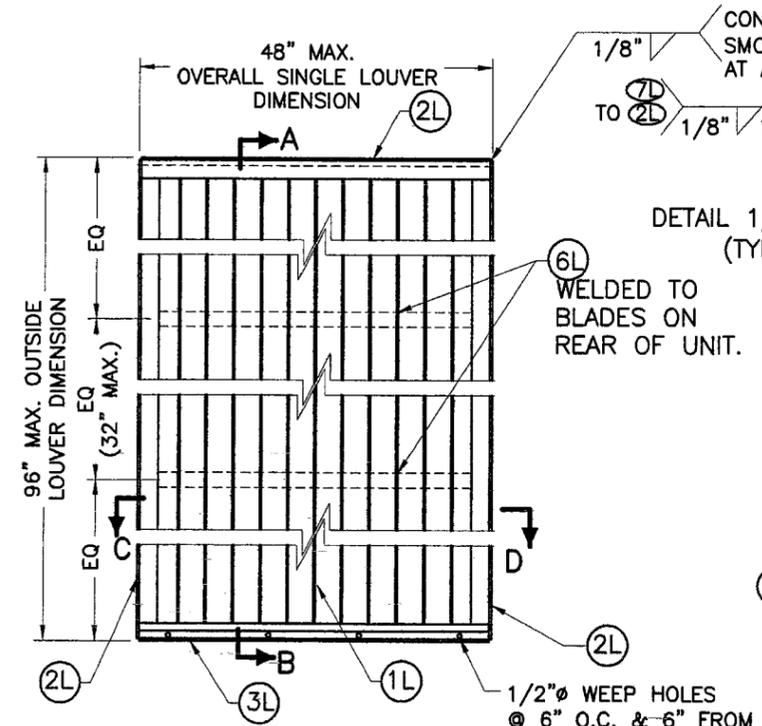
**EXTERIOR ELEVATION**  
SCALE: 1/2"=1'-0"



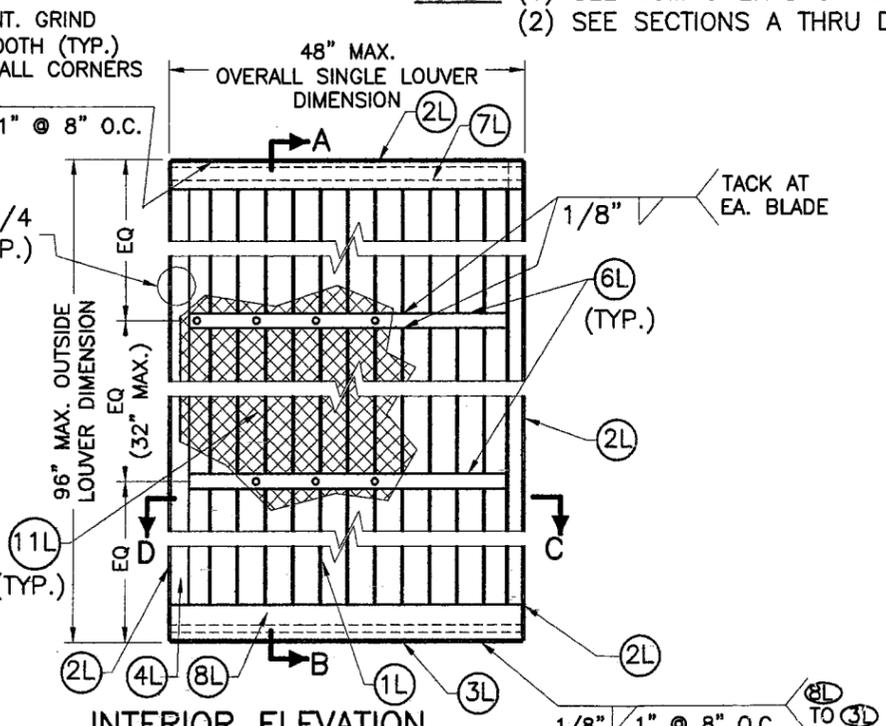
**INTERIOR ELEVATION**  
SCALE: 1/2"=1'-0"

**MULTIPLE W-10D LOUVER UNITS**

- NOTES: (1) SEE COMPONENTS ON SHEET 2.  
(2) SEE SECTIONS A THRU D ON SHEET 4.



**EXTERIOR ELEVATION**  
SCALE: 1/2"=1'-0"



**INTERIOR ELEVATION**  
SCALE: 1/2"=1'-0"

**SINGLE W-10D LOUVER UNITS**

- NOTES: (1) SEE COMPONENTS ON SHEET 2.  
(2) SEE SECTIONS A THRU D ON SHEET 4.

PRODUCT RENEWED as complying with the Florida Building Code  
Acceptance No 10-0303-07  
Expiration Date 03/18/2015  
By *[Signature]*  
Miami Dade Product Control Division

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No 09-0203-10  
Expiration Date 08/18/2010  
By *[Signature]*  
Miami Dade Product Control Division

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

MIAMI-DADE COUNTY

JAN 13 2009  
P.E. SEAL/SIGNATURE/DATE

© 2008 TILTECO, INC.

**TILTECO INC.**

TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166  
Phone : (305)871-1530 . Fax : (305)871-1531  
EB-0006719  
WALTER A. TILLIT Jr. P.E.  
FLORIDA Lic. # 44167

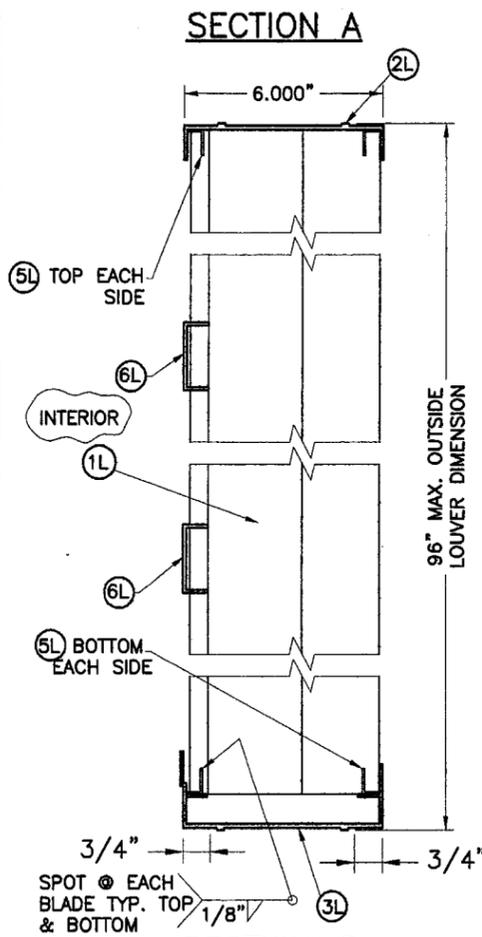
W-10-D ALUMINUM LOUVER W/ OR W/O CD-151 DAMPER ASSEMBLY

**United Enertech**  
3005 South Hickory Street  
Chattanooga, TN 37407  
Telephone:(423)698-7715

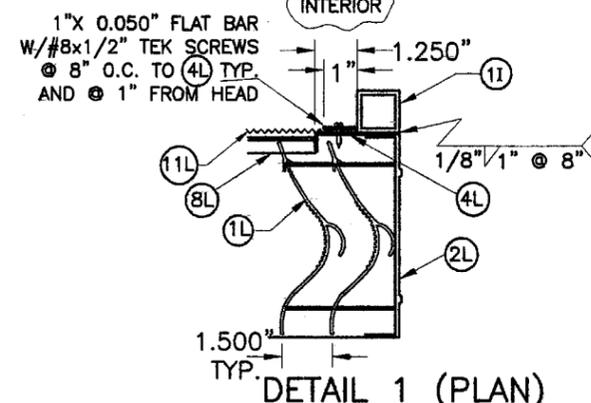
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1	OLD 05-021	01/07/09	3		
2			4		

DRAWN BY: I.A.  
01/09/09 DATE  
08-269 DRAWING No  
SHEET 3 OF 7

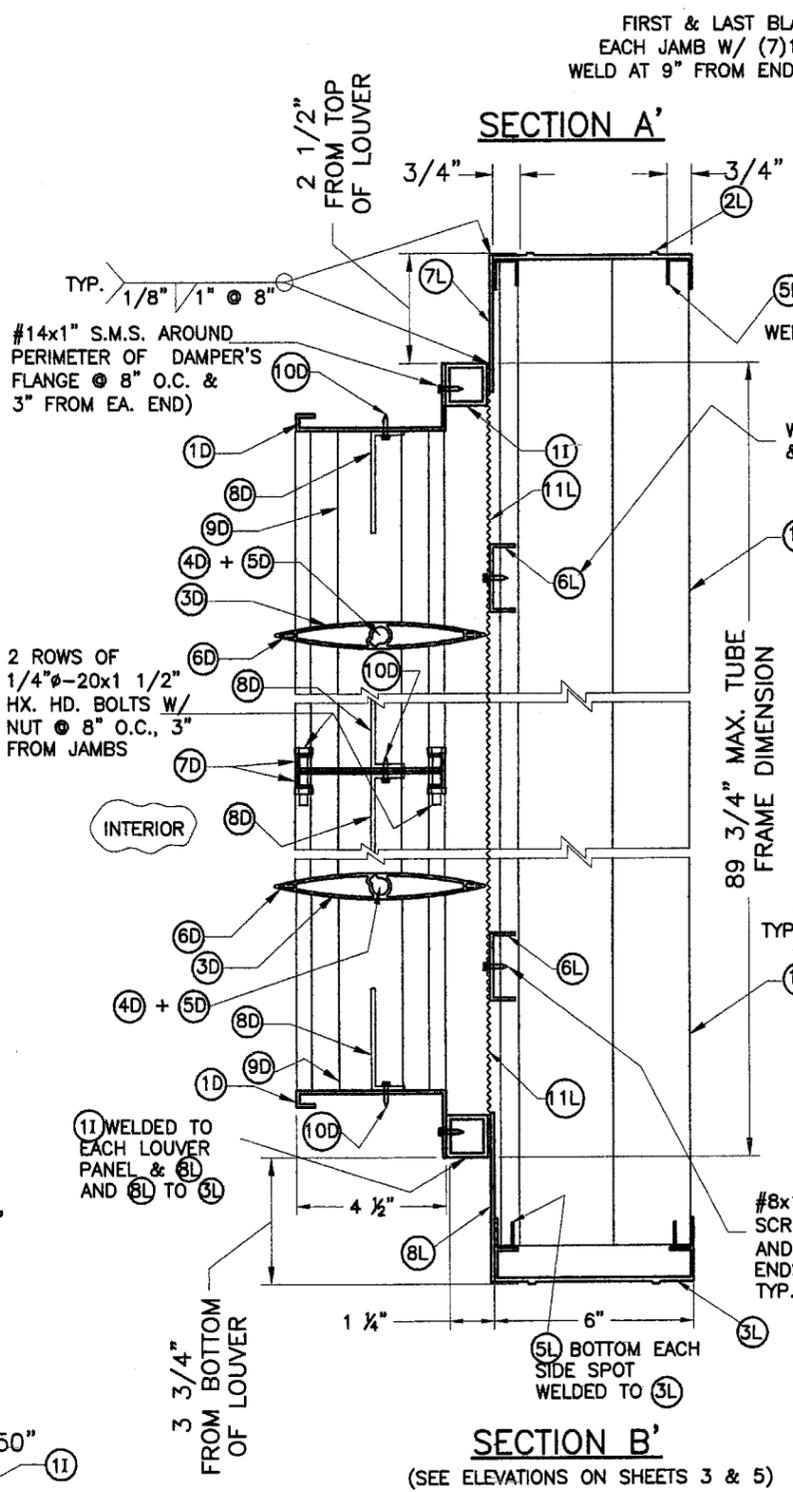
FIRST & LAST BLADE WELDED TO EACH JAMB W/ (7) 1/16x1/2 LONG WELD AT 9" FROM ENDS AND 13" O.C



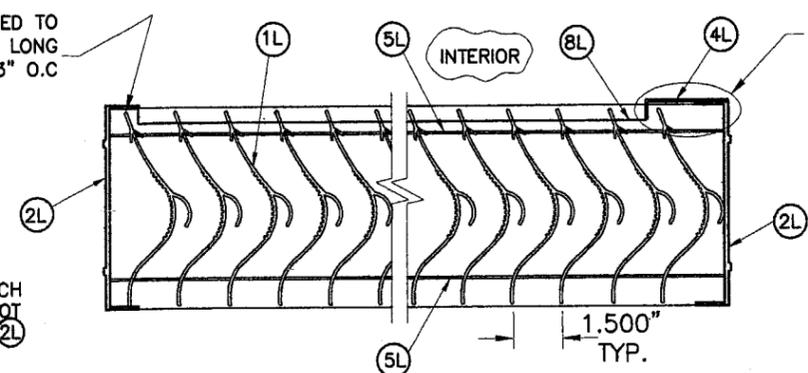
(SEE ELEVATIONS ON SHEET 3)



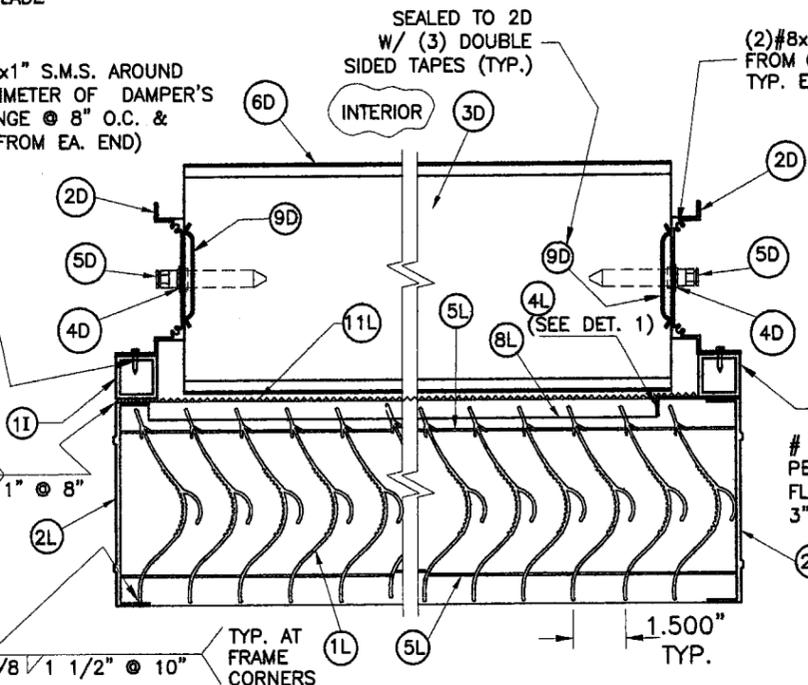
DETAIL 1 (PLAN)  
1ST LOUVER BLANK-OFF LOCATION  
N.T.S.



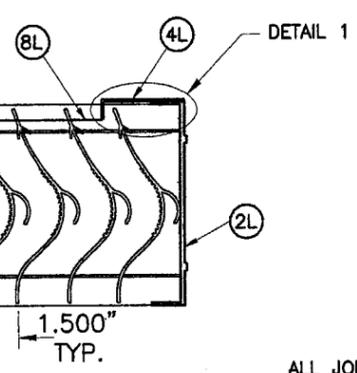
(SEE ELEVATIONS ON SHEETS 3 & 5)



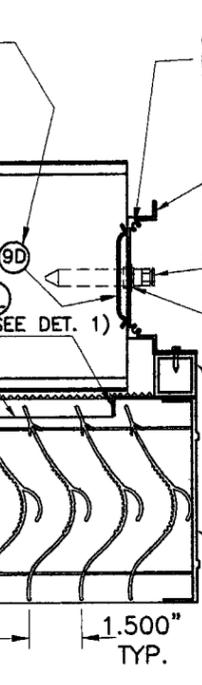
SECTION C  
SCALE: 3/16"=1"



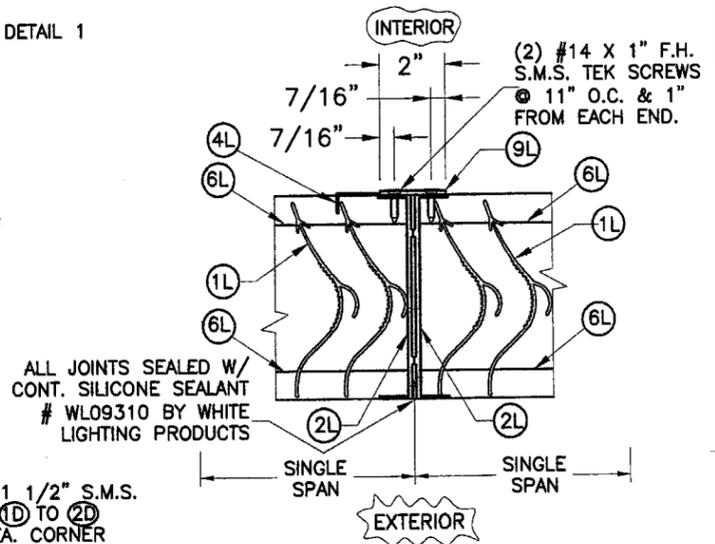
SECTION C'-C'  
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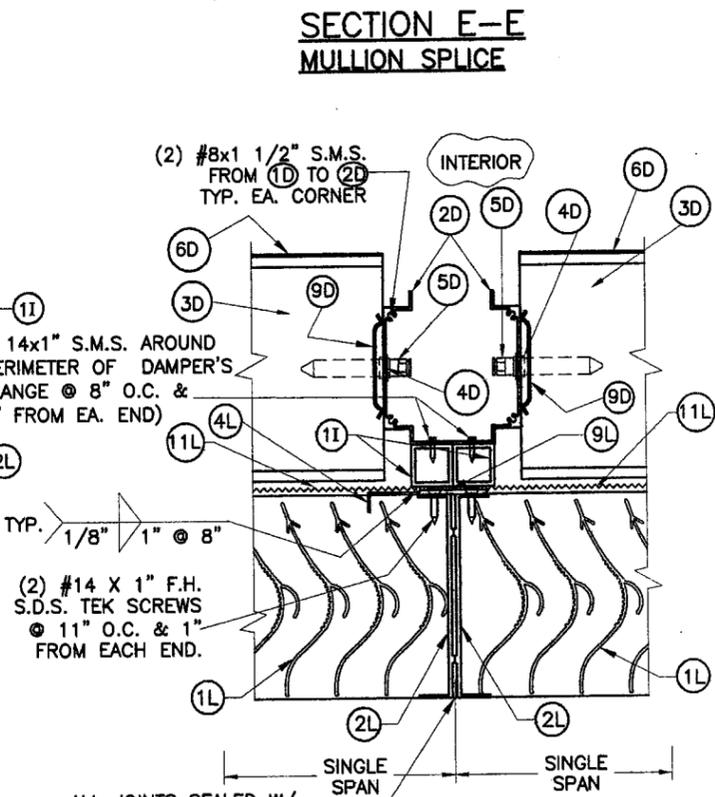
SECTION D  
SCALE: 3/16"=1"



SECTION D'-D'  
SCALE: 3/16"=1"



SECTION E-E  
MULLION SPLICE



SECTION E'-E'  
MULLION SPLICE

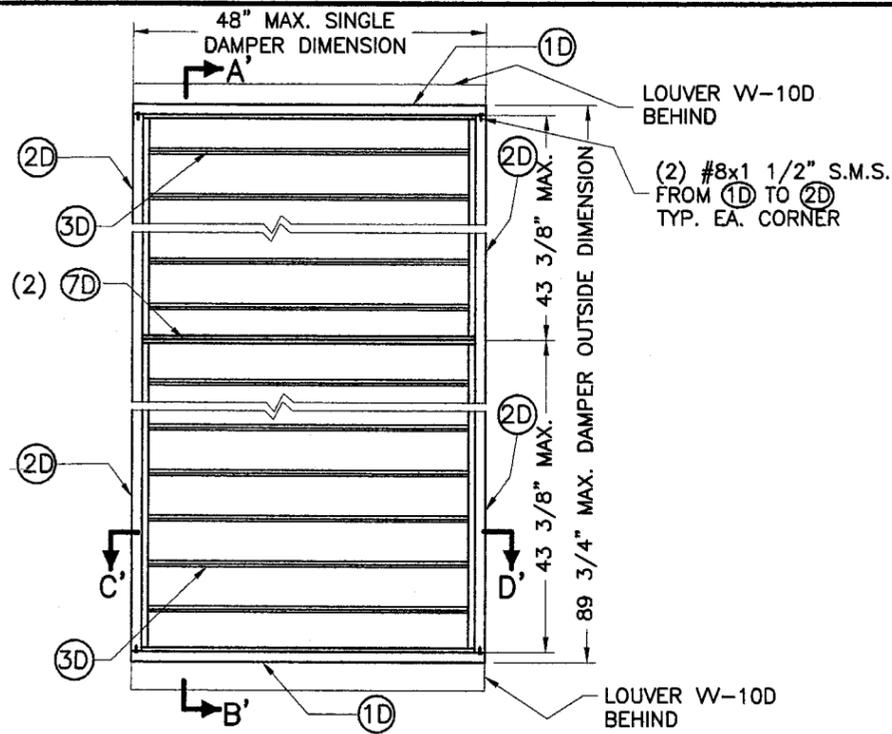
PRODUCT RENEWED as complying with the Florida Building Code  
Acceptance No. 10-0303.07  
Expiration Date 08/16/2015  
By Miami Dade Product Control Division

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No. 09-0203.10  
Expiration Date 08/16/2010  
By Miami Dade Product Control Division

ALL JOINTS SEALED W/ CONT. SILICONE SEALANT # WL09310 BY WHITE LIGHTING PRODUCTS

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

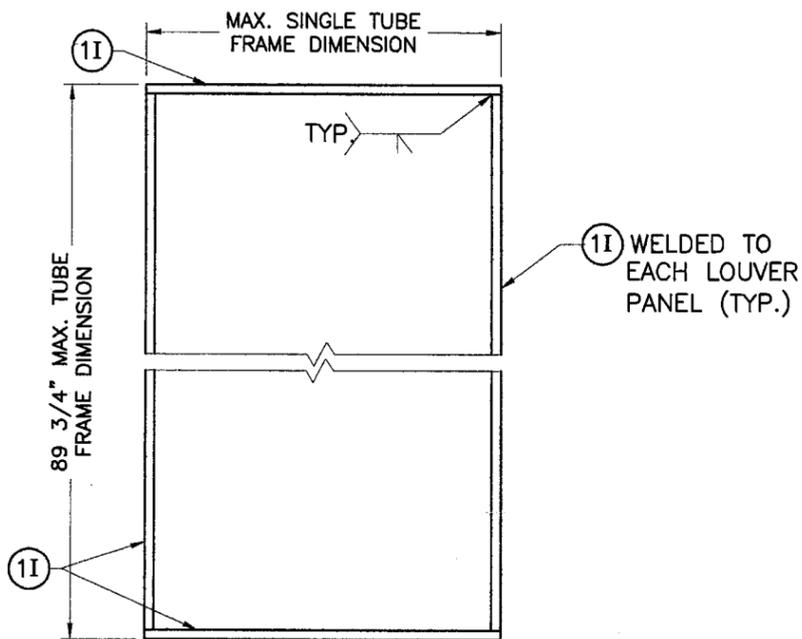
MIAMI-DADE COUNTY		 TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530, Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT JR. P.E. FLORIDA Lic. # 44167		W-10-D ALUMINUM LOUVER W/ OR W/O CD-151 DAMPER ASSEMBLY  3005 South Hickory Street Chattanooga, TN 37407 Telephone: (423)698-7715		DRAWN BY: I.A. DATE: 01/09/09 DRAWING No: 08-269 SHEET 4 OF 7
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	
1	OLD 05-021	01/07/09	3			
2			4			



**INTERIOR ELEVATION**  
**CD-151 DAMPER SINGLE UNITS**

SCALE: 1/2"=1'-0"

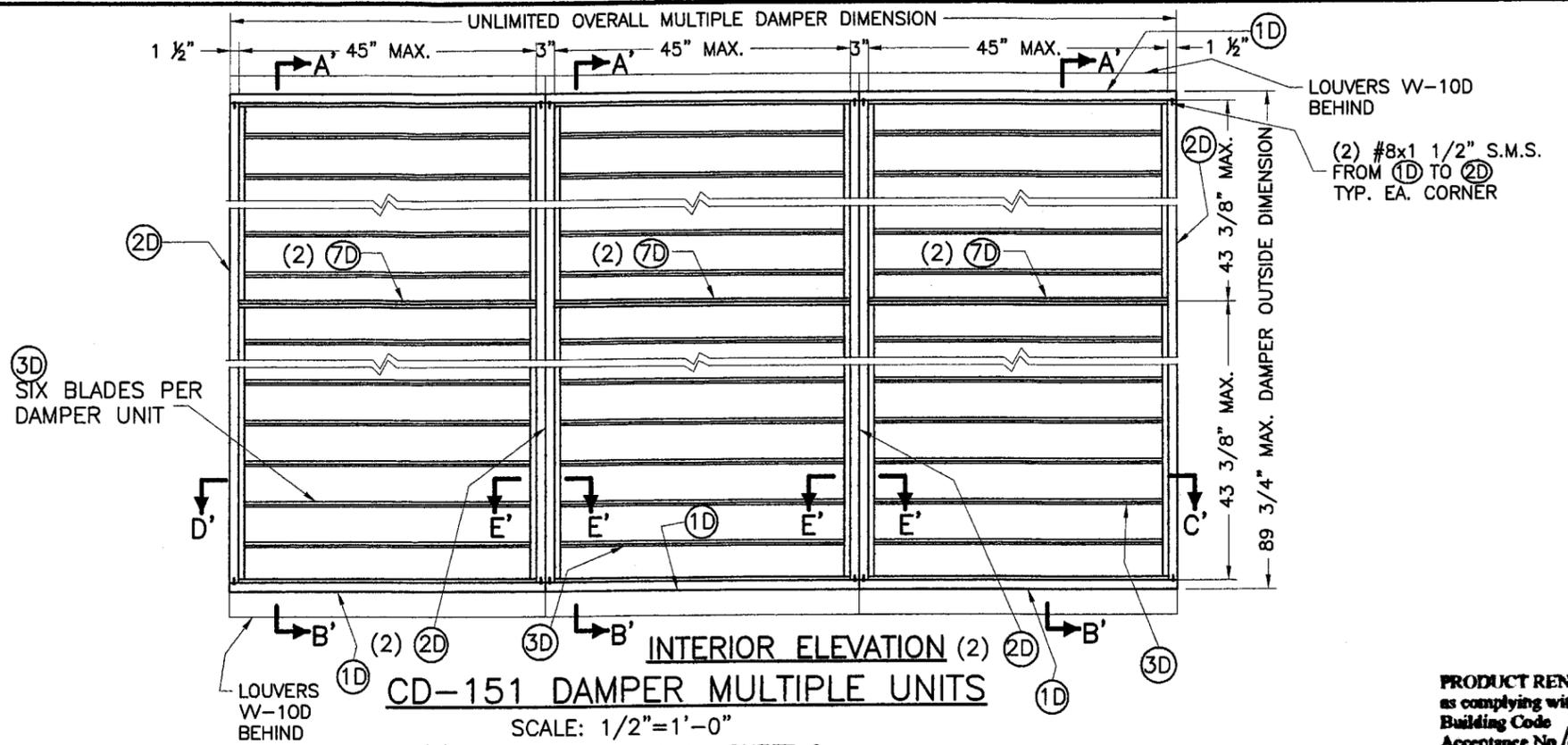
- (1) SEE COMPONENTS ON SHEET 2.
- (2) SEE SECTIONS A' THRU D' ON SHEET 4.



**ELEVATION**

**INTERMEDIATE TUBE FRAME FOR CD-151**  
**DAMPER ATTACHMENT AT SINGLE UNITS**

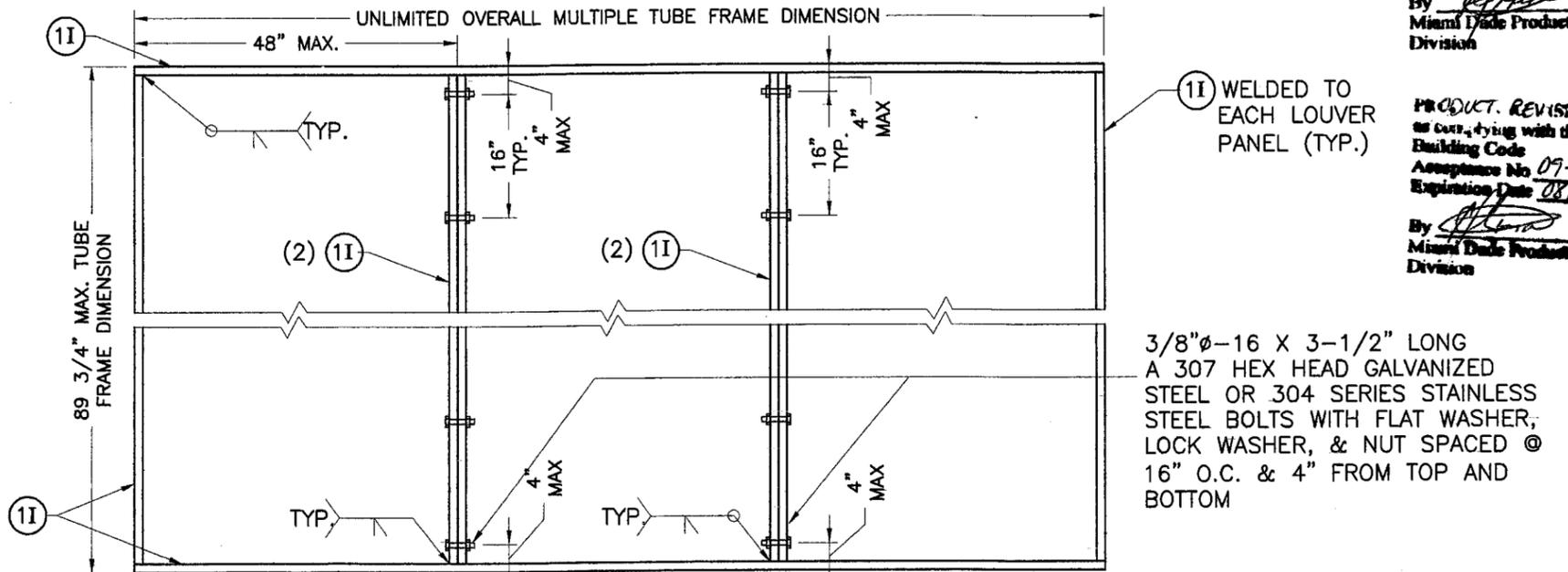
SCALE: 1/2"=1'-0"



**INTERIOR ELEVATION (2)**  
**CD-151 DAMPER MULTIPLE UNITS**

SCALE: 1/2"=1'-0"

- (1) SEE COMPONENTS ON SHEET 2.
- (2) SEE SECTIONS A' THRU D' ON SHEET 4.



**ELEVATION**

**INTERMEDIATE TUBE FRAME FOR CD-151 DAMPER ATTACHMENT AT MULTIPLE UNITS**

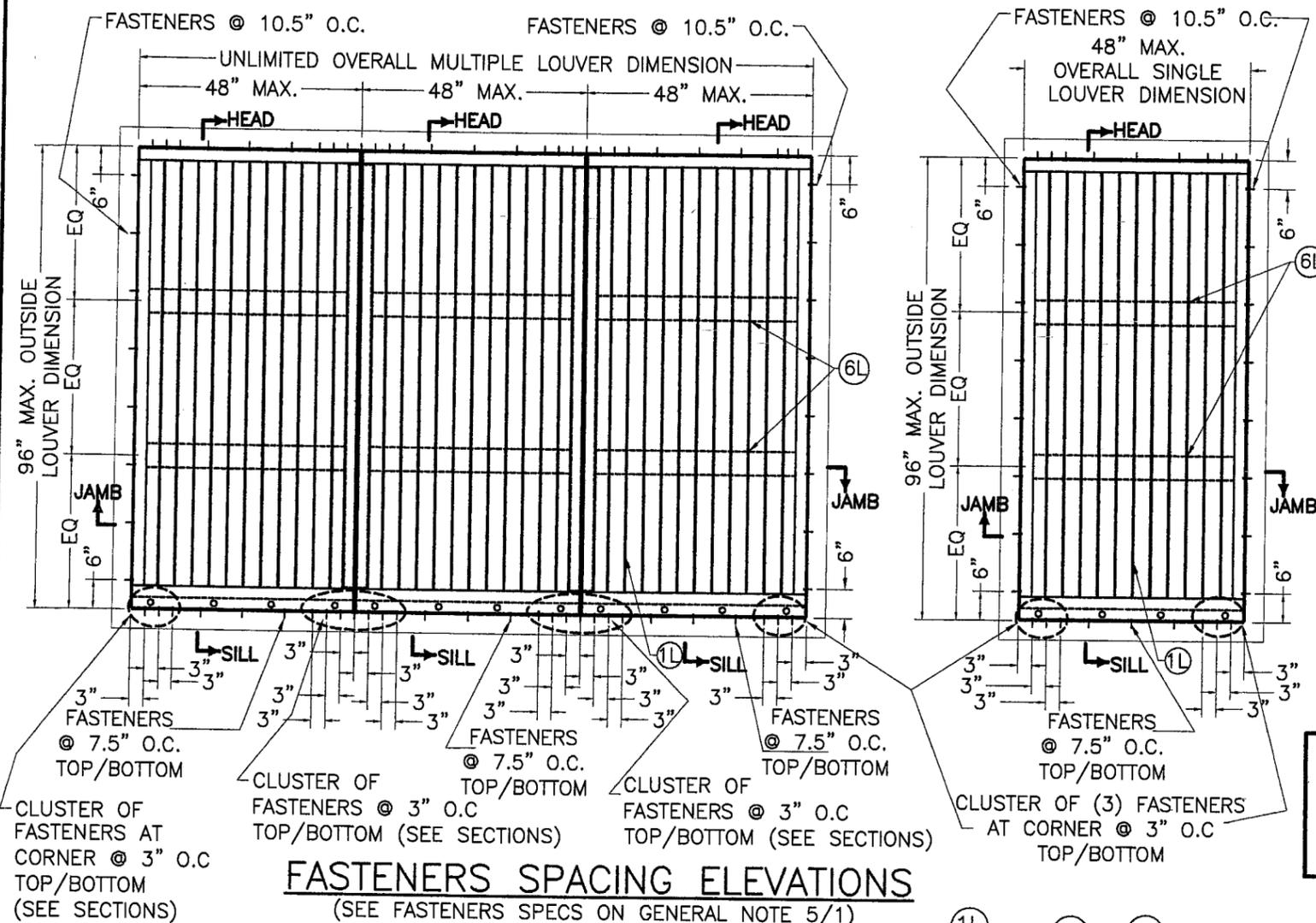
SCALE: 1/2"=1'-0"

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 10-0303.07  
 Expiration Date 08/18/2015

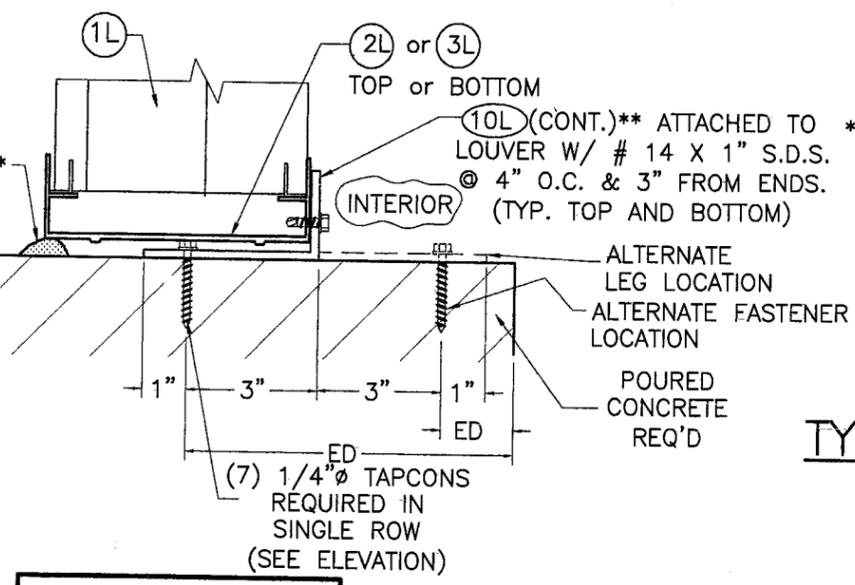
By *[Signature]*  
 Miami Dade Product Control  
 Division

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 07-0293.10  
 Expiration Date 08/18/2010

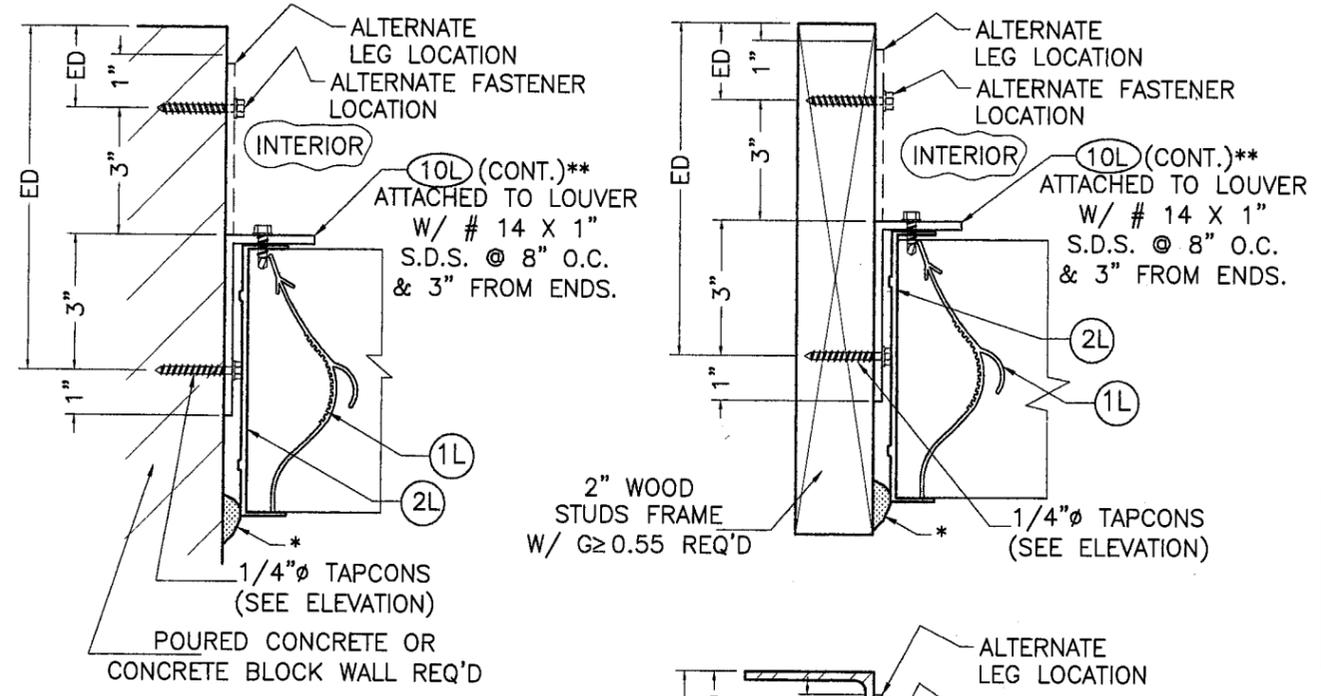
By *[Signature]*  
 Miami Dade Product Control  
 Division



**FASTENERS SPACING ELEVATIONS**  
(SEE FASTENERS SPECS ON GENERAL NOTE 5/1)



**TYP. HEAD & SILL SECTIONS**



**TYP. JAMB SECTIONS**

\* 1/4" MAX. SHIM SPACE. PROVIDE CONT. SEALANT AT SHIM SPACE.  
\*\* SEE GENERAL NOTE 9/1

ED= EDGE DISTANCE, SEE GENERAL NOTE 5/1

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No 10-0303.07  
Expiration Date 08/18/2015  
By *[Signature]*  
Miami Dade Product Control Division  
MIAMI-DADE COUNTY

JAN 18 2007  
P.E. SEAL/SIGNATURE/DATE

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**TILTECO INC.**  
TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 36th, St., Ste. 305, VIRGINIA GARDENS, FL 33166  
Phone : (305)871-1530 • Fax : (305)871-1531  
EB-0006719  
WALTER A. TILLIT Jr. P.E.  
FLORIDA Lic. # 44167

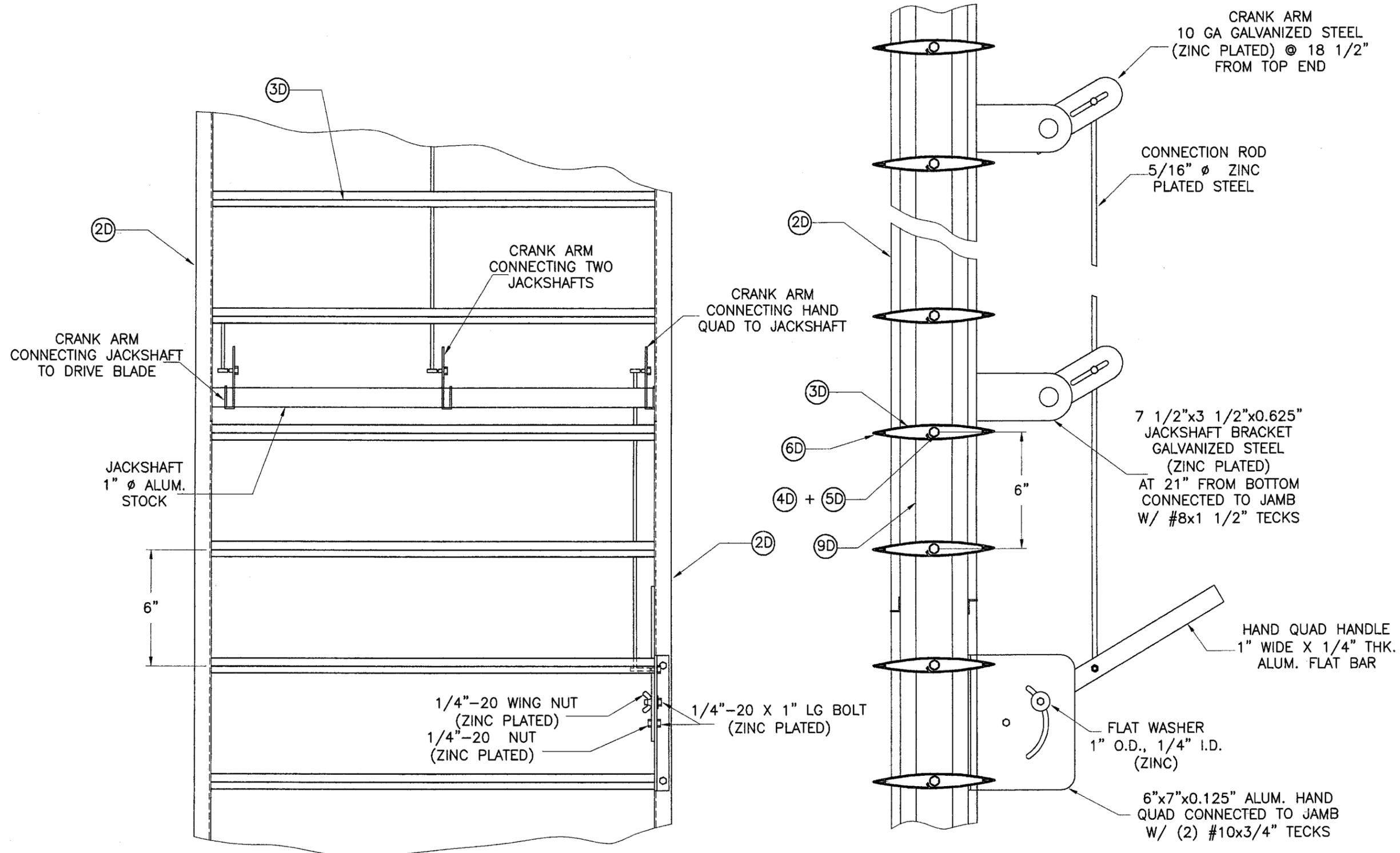
VV-10-D ALUMINUM LOUVER W/ OR W/O CD-151 DAMPER ASSEMBLY  
**United Enortech**  
3005 South Hickory Street  
Chattanooga, TN 37407  
Telephone:(423)698-7715

DRAWN BY: I.A  
DATE: 01/09/09  
DRAWING No: 08-269  
SHEET 6 OF 7

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 05-021	01/07/09	3		
2	MAX. SHIM SPACE	12/19/08	4		

PRODUCT REVISED  
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 Expiration Date 08/18/2010  
 By *[Signature]*  
 Miami Dade Product Control Division

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)



PRODUCT REVISED  
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 By *[Signature]*  
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 Division

**HAND QUADRANT HANDLE MECHANISM**

(SEE GENERAL NOTE 8/1)

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

<p>PRODUCT RENEWED          as complying with the Florida          Building Code          Acceptance No 10-0303.07          Expiration Date 08/18/2015          By <i>[Signature]</i>          Miami Dade Product Control          Division          MIAMI-DADE COUNTY</p>	<p>JAN 13 2009          P.E. SEAL/SIGNATURE/DATE</p>	<p>© 2008 TILTECO, INC.            TILFIT TESTING &amp; ENGINEERING COMPANY          6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166          Phone: (305)871-1530 Fax: (305)871-1531          EB-0006719          WALTER A. TILLIT Jr. P.E.          FLORIDA Lic. # 44167</p>	<p>WV-10-D ALUMINUM LOUVER W/ OR          W/O CD-151 DAMPER ASSEMBLY</p> <p>          3005 South Hickory Street          Chattanooga, TN 37407          Telephone: (423)698-7715</p> <table border="1"> <thead> <tr> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OLD 05-021</td> <td>01/07/09</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>4</td> <td></td> <td></td> </tr> </tbody> </table>	REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 05-021	01/07/09	3			2			4			<p>DRAWN BY:          I.A.          01/09/09          DATE          08-269          DRAWING No          SHEET 7 OF 7</p>
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2			4																			