



**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) 375-2908**

[www.miamidadegov](http://www.miamidadegov)

**NOTICE OF ACCEPTANCE (NOA)**

**MetalWorks, LLC**  
**2545 Monroe Drive, Suite E**  
**Gainesville, Georgia 30507**

**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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: 0.038' (min.) Galvalume 3" deep x 16" wide Panel for Canopy**

**APPROVAL DOCUMENT:** Drawing No. D1, sheets 1 through 5 of 5, titled " 20 ga. (0.038" min.) Galvalume 16" x 3" Deck Pans ", prepared by Carlos F. Castillo, P.E., dated December 01, 2007, signed and sealed by Carlos F. Castillo, P.E. on December 16, 2007, 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 Division.

**MISSILE IMPACT RATING: None**

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the 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.

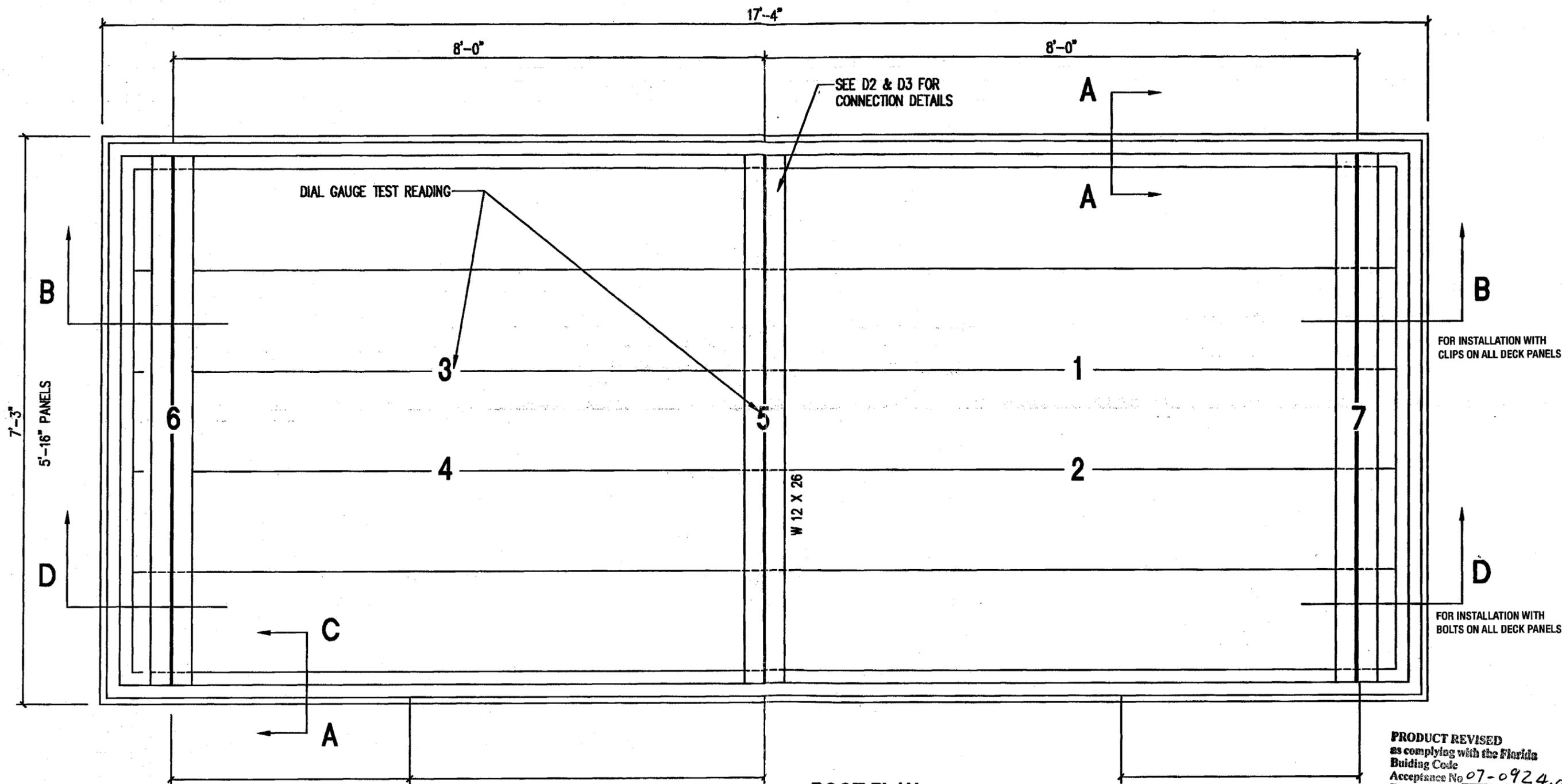
This NOA revises & renews NOA # 03-0325.01 & consists of this page 1, evidence submitted pages E-1 & E-2 & approval document mentioned above.

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



*Helmy A. Makar*  
 01/17/2008

**NOA No. 07-0924.04**  
**Expiration Date: 05/15/2013**  
**Approval Date: 01/17/2008**  
 Page 1



**ROOF PLAN**

SCALE: 3/4" = 1'-0"

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0924.04  
 Expiration Date 05/15/2013  
 By *Helmy A. Nelson*  
 Miami Dade Product Control  
 Division

REVISIONS				
NO.	DESCRIPTION	DATE	BY	CHK



**MetalWorks, LLC**  
 2545 Monroe Drive, Suite E  
 Gainesville, GA 30507  
 Phone: 770-532-6311

**CARLOS F. CASTILLO, P.E.**  
 State Of Florida Structural Engineer  
 Certificate #51885  
 3000 Highway 17 South  
 Bartow, FL 33830  
 Phone: 813-597-7233

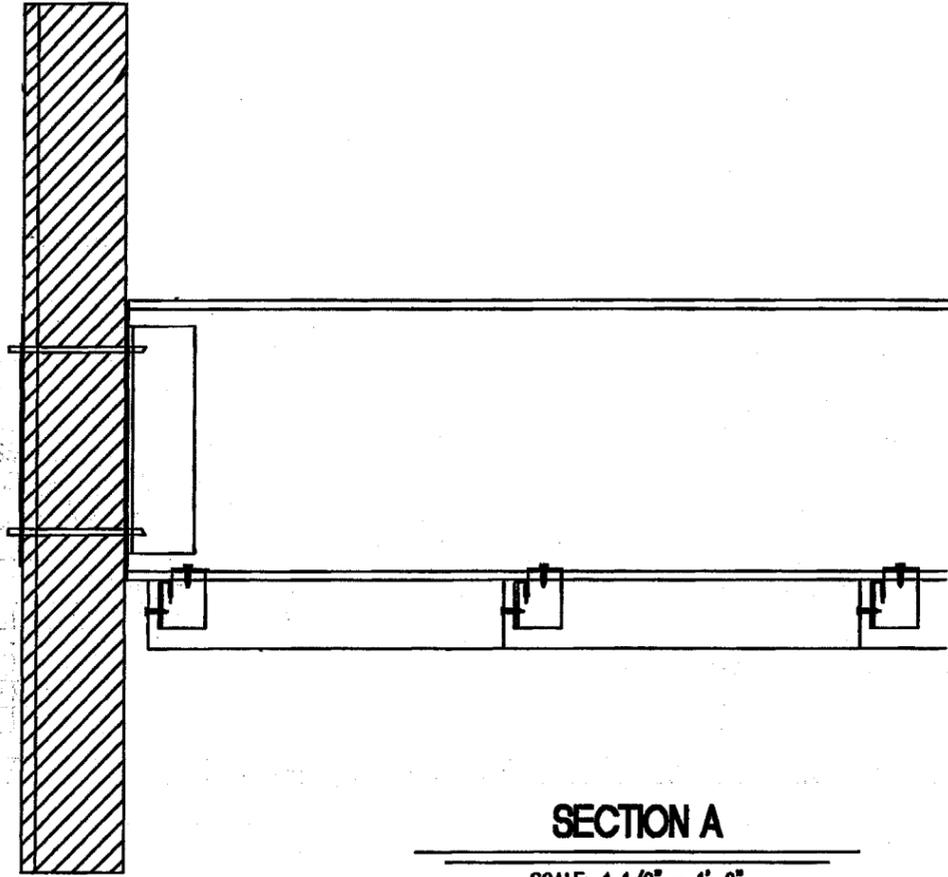
*efb*  
 12/16/07

TITLE:  
 20 GA. (0.038" Min.) GALVALUME  
 16" X 3" DECK PANS

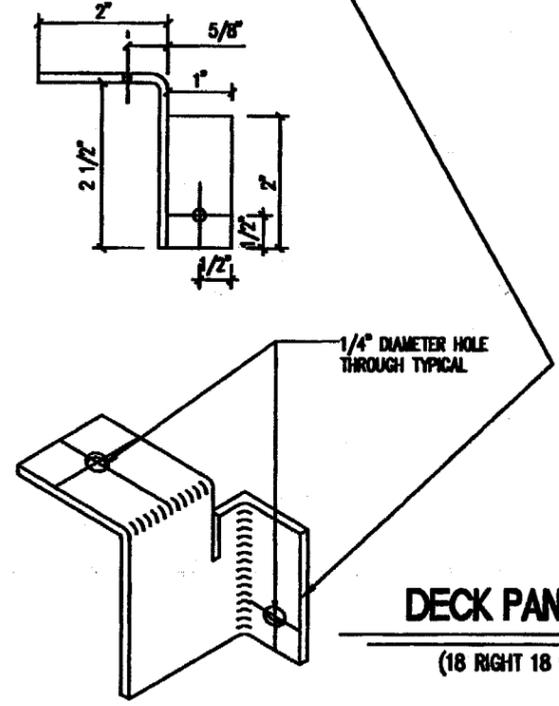
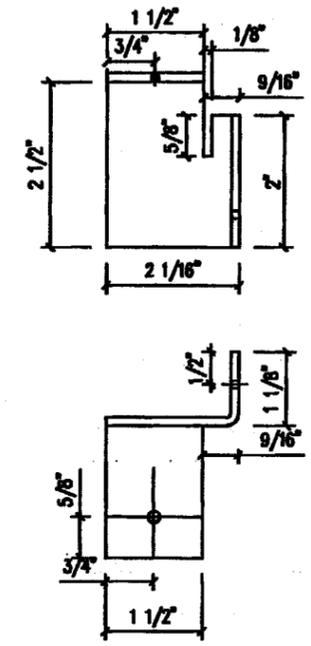
APPROVED BY:

DESIGNED BY: BGH	CHECKED BY:
SCALE: 3/4" = 1'-0"	DATE: 12/1/07
JOB NUMBER:	DRAWING NAME: D1
SHEET: 1	OF: 5

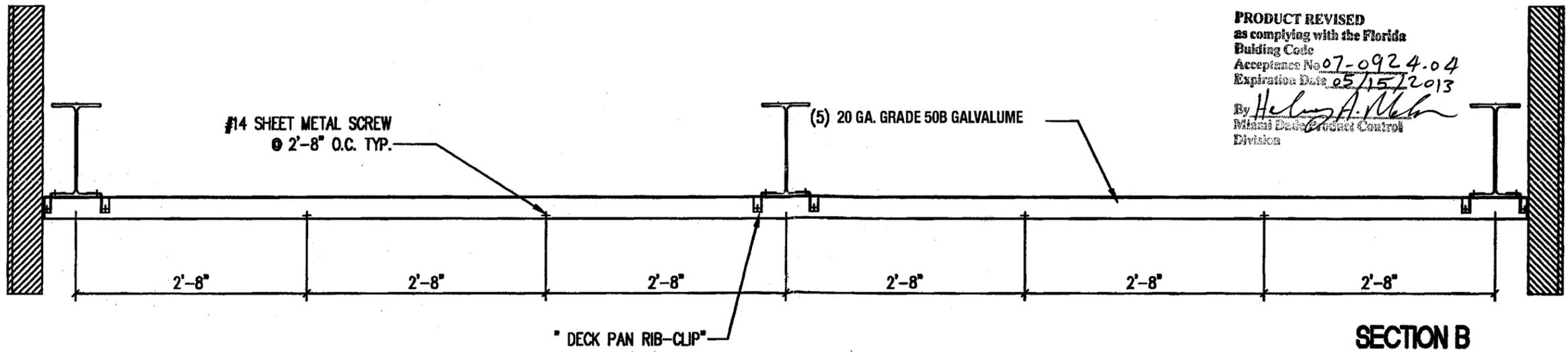
18ga. STEEL "DECK PAN RIB-CLIP"  
 EACH SIDE W/(1) 12-24 x 1 1/4"  
 HWH TEK/5 BOLTED TO STRINGER AND  
 (1) 12-14 X 3/4" HWH TRAXX/3  
 FASTENER THRU DECK PAN RIBS.



**SECTION A**  
 SCALE: 1 1/2" = 1'-0"



**DECK PAN RIB CLIP**  
 (18 RIGHT 18 LEFT REQ'D)



**SECTION B**  
 SCALE: 3/4" = 1'-0"

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0924.04  
 Expiration Date 05/15/2013  
 By *Helmy A. Nabe*  
 Miami Dade Product Control  
 Division

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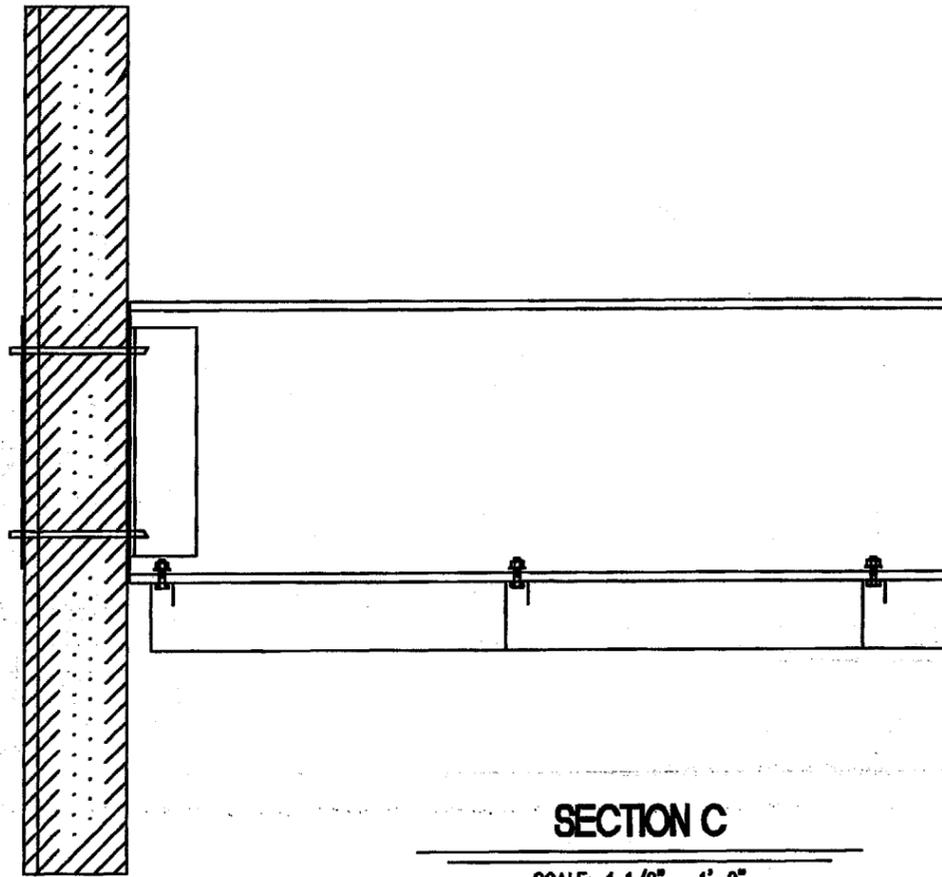
**CARLOS F. CASTILLO, P.E.**  
 State Of Florida Structural Engineer  
 Certificate #51685  
 3000 Highway 17 South  
 Bartow, FL 33830  
 Phone: 813-597-7233

*efc*  
 12/14/07

TITLE:  
 20 GA. (0.038" Min.) GALVALUME  
 16" X 3" DECK PANS  
 FOR CLIP CONNECTIONS

APPROVED BY:

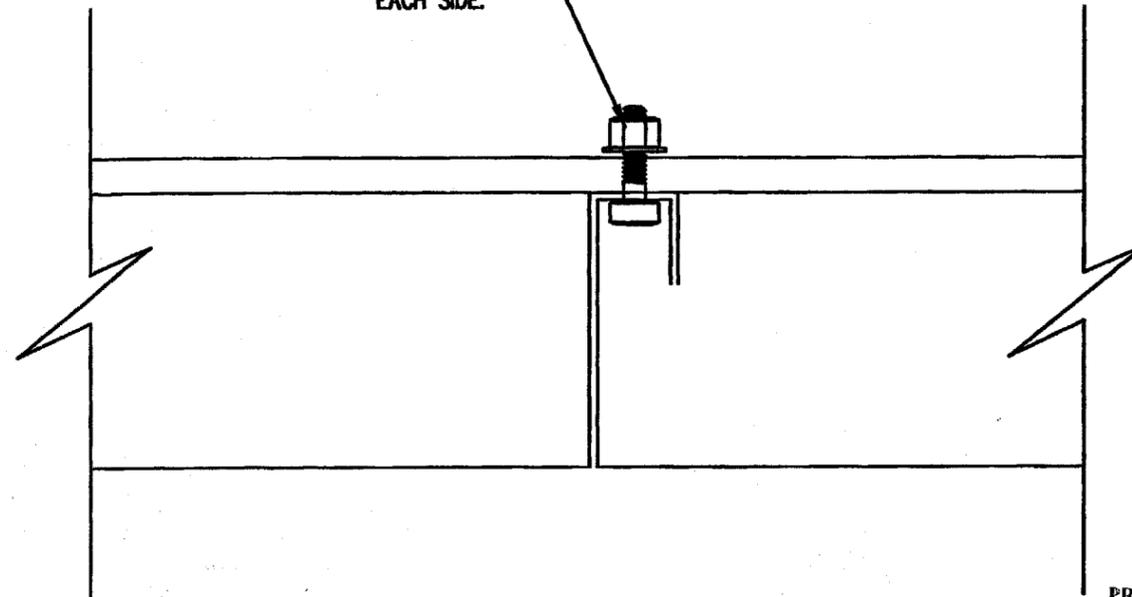
DESIGNED BY: BGH	CHECKED BY:
SCALE: 3/4" = 1'-0"	DATE: 12/1/07
JOB NUMBER:	DRAWING NAME: D1
SHEET: 2	OF: 5



**SECTION C**

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

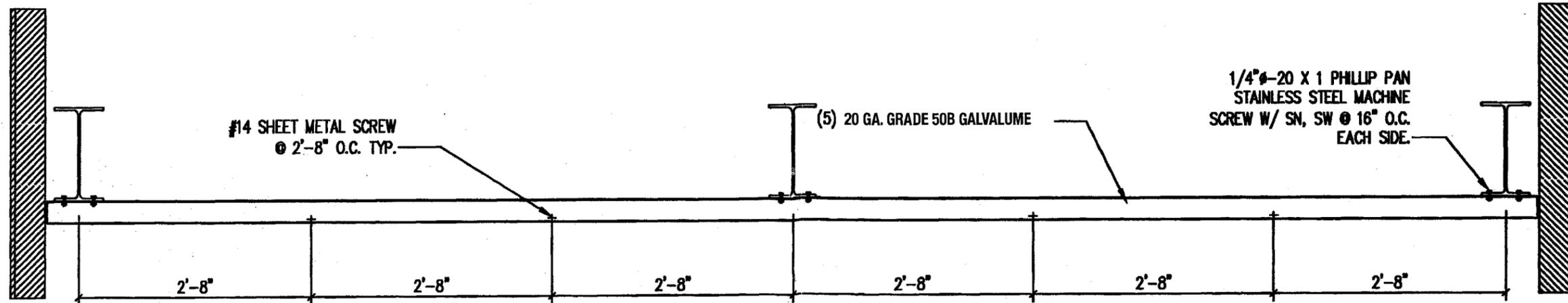
1/4"-20 X 1" PHILLIPS PAN  
STAINLESS STEEL MACHINE  
SCREW W/ SN, SW @ 16" O.C.  
EACH SIDE.



**CONNECTION DETAIL**

SCALE: 6" = 1'-0"

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By *Helmy A. Nelson*  
Miami-Dade County Control  
Division



**SECTION D**

SCALE: 3/4" = 1'-0"

REVISIONS				
NO.	DESCRIPTION	DATE	BY	CHK



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Phone: 770-532-6311

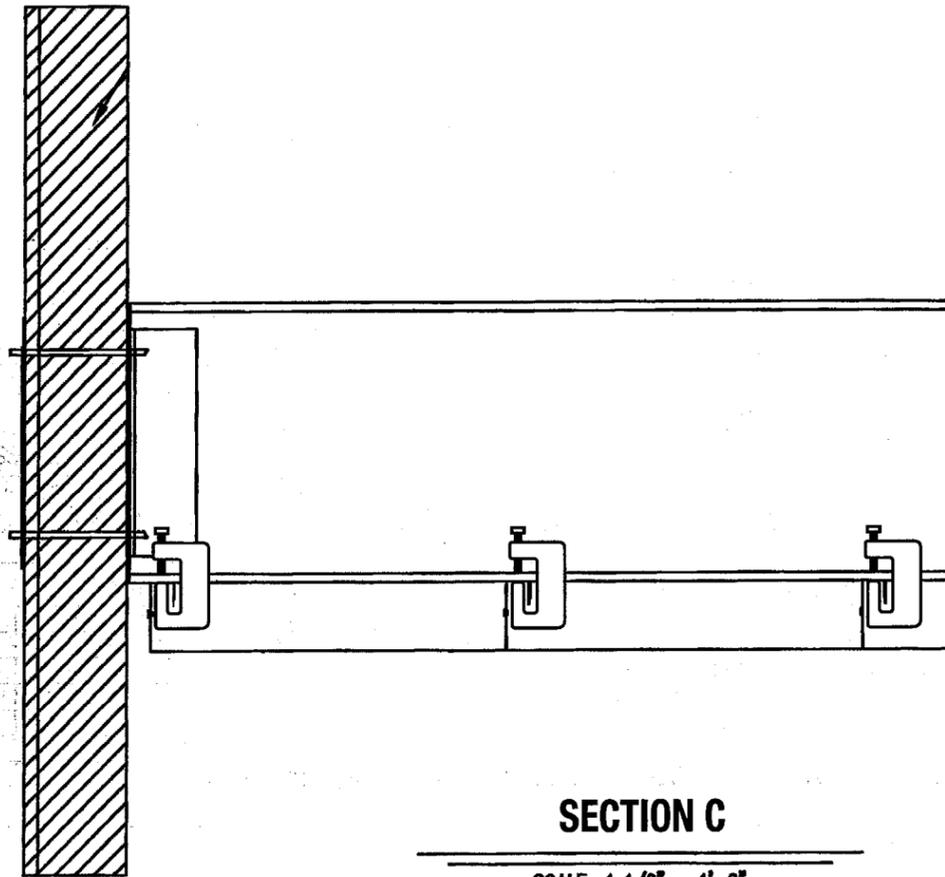
**CARLOS F. CASTILLO, P.E.**  
State Of Florida Structural Engineer  
Certificate #51885  
3000 Highway 17 South  
Bartow, FL 33830  
Phone: 813-597-7233

*cfb*  
*12/14/07*

TITLE:  
**20 GA. (0.038" Min.) GALVALUME  
16" X 3" DECK PANS  
FOR BOLTS CONNECTIONS**

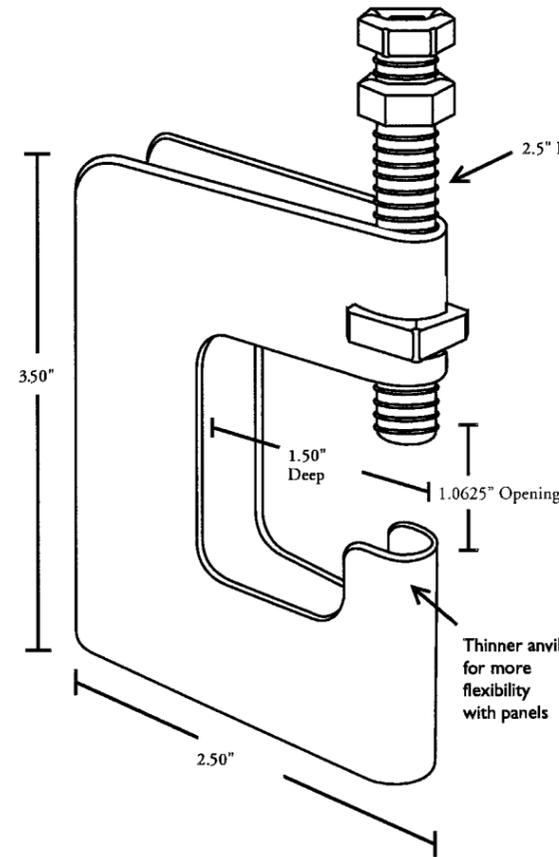
APPROVED BY:

DESIGNED BY: BGH	CHECKED BY:
SCALE: 3/4" = 1'-0"	DATE: 12/1/07
JOB NUMBER:	DRAWING NAME: D1
SHEET: 3	OF: 5

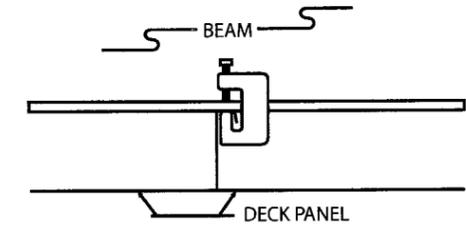


**SECTION C**

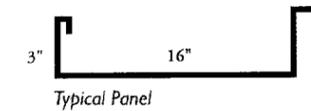
SCALE: 1 1/2" = 1'-0"



- Made from 12 Gauge Galvanized Steel
- 5/16" – 18 x 2 1/2" Plated Grade 5 Hex Head Bolt
- 5/16" – 18 Plated Square Nut
- 5/16" – 18 Plated Hex Head Lock Nut
- Rounded edges, safe and easy to handle
- No lefts or rights – fits either side



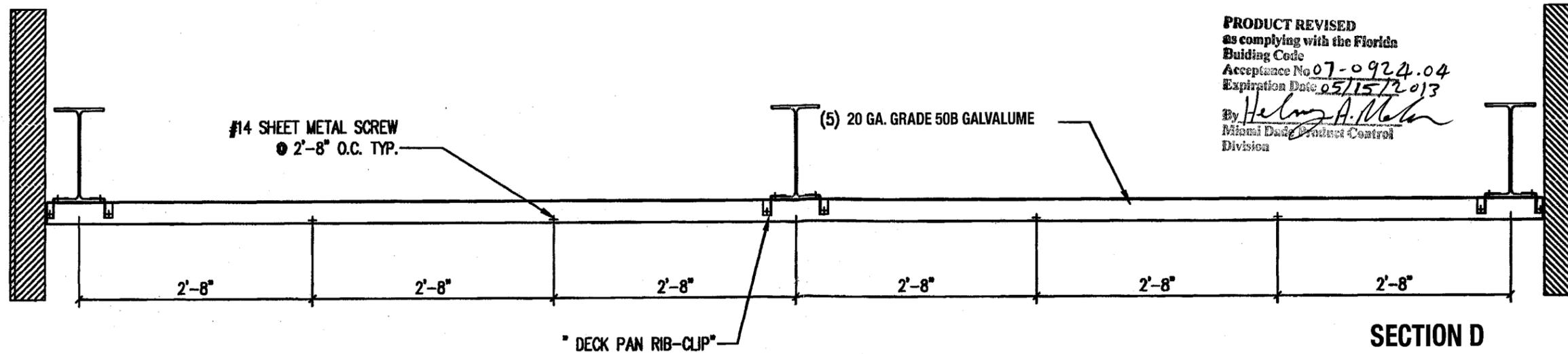
Typical Application



Typical Panel



Lap Detail



**SECTION D**

SCALE: 3/4" = 1'-0"

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0924.04  
 Expiration Date 05/15/2013  
 By *Helmut A. Nelson*  
 Miami Dade Product Control  
 Division

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 2545 Monroe Drive, Suite E  
 Gainesville, GA 30507  
 Phone: 770-532-6311

**CARLOS F. CASTILLO, P.E.**  
 State of Florida Structural Engineer  
 Certificate #51885  
 3000 Highway 17 South  
 Bartow, FL 33830  
 Phone: 813-597-7233

*CB*  
 12/1/07

TITLE:  
**20 GA. (0.038" Min.) GALVALUME  
 16" X 3" DECK PANS  
 FOR DECK CLIP CONNECTIONS**

APPROVED BY:

DESIGNED BY: BGH	CHECKED BY:
SCALE: 3/4" = 1'-0"	DATE: 12/1/07
JOB NUMBER:	DRAWING NAME: D1
SHEET: 4	OF: 5

**PANEL SPECIFICATIONS**

1. Steel Deck Shall Be Galvalume 20ga. (.038 Min.) ASTM A792-94 GR. 50B

A. Panel with Clipped Connections (Comply with Details of Drawing Number D2)  
 Maximum Allowable Bending Moment of Panel at Support = 800 ft.-lbs.  
 Maximum Allowable Bending Moment of Panel Between Supports = 460 ft.-lbs.  
 EI Value of Panel =  $10.7 \times 10^6$  lbs. - in <sup>2</sup>  
 Maximum Allowable Deflection of Panel = L/180  
 Maximum Support Reaction = 709 lbs. (For Two Clips per Support as shown on Sheet Number 2).

B. Panel with Bolted Connections (Comply with Details of Sheet Number 3)  
 Maximum Allowable Bending Moment of Panel at Support = 933 ft.-lbs.  
 Maximum Allowable Bending Moment of Panel Between Supports = 537 ft.-lbs.  
 EI Value of Panel =  $10.7 \times 10^6$  lbs. - in <sup>2</sup>  
 Maximum Allowable Deflection of Panel = L/180  
 Maximum Support Reaction = 897 lbs. (For Two 1/4"-20 x 1" Phillip Pan Stainless Steel Machine Screws with SN and SW Per Support as Shown on Sheet Number 3).

C. Panel with Deck Clip Connections (Comply with Details of Sheet Number 4)  
 Maximum Allowable Bending Moment of Panel at Support = 933 ft.-lbs.  
 Maximum Allowable Bending Moment of Panel Between Supports = 537 ft.-lbs.  
 EI Value of Panel =  $10.7 \times 10^6$  lbs. - in <sup>2</sup>  
 Maximum Allowable Deflection of Panel = L/180  
 Maximum Support Reaction = 897 lbs. (For Two Deck Clips per Support as Shown on Sheet Number 4).

2. The Above Allowables of the Clipped and Bolted Connections Panels are Based on a 16" Wide Panel Loading. To Get the Wind Load Pressure per Square Foot, Multiple Panel Load Times 12/16.

3. This Panel Should Be Used Only in the Construction of Open Canopies.

4. Each Actual Canopy Project Shall Be Constructed Using the Same Panel Cross Section and Support Details at Stringers and Interlocking Seams as Shown on This Approval. The Design of the Panel Span Shall Be In Compliance With All of the Above Allowables.

**DESIGN SPECIFICATIONS**

1. Canopies Shall Be Designed in Compliance with the Florida Building Code, 2004 and According to Wind Provisions of ASCE 7-02.

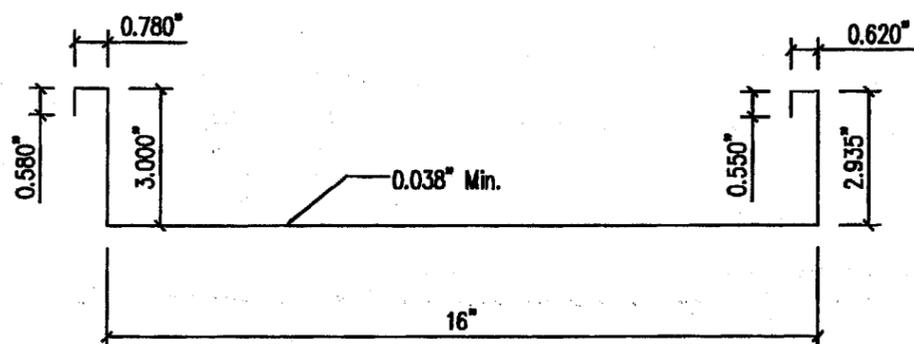
2. Clipped Connection --- Test Pressure = +150/-160 psf  
 Design Pressure = Comply with the Panel Specifications Shown Above.

3. Bolted Connection --- Test Pressure = +190/-175 psf  
 Design Pressure = Comply with the Panel Specifications Shown Above.

4. Deck Clip Connection - Test Pressure = +190/-175 psf  
 Design Pressure = Comply with the Panel Specifications Shown Above.

5. Live Load Test Pressure = 30 psf.

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 as complying with the Florida Building Code  
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 By Helmut H. Melzer  
 Miami Dade Product Control Division



20 GA. (0.038" Min.) GALVALUME DECK

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APPROVED BY:	SCALE: 3/4" = 1'-0"	DATE: 12/1/07
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	SHEET: 5	OF: 5