



**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**

**NOTICE OF ACCEPTANCE (NOA)**

**Orange State Industries  
1811 N.W. 16<sup>th</sup> Street  
Pompano Beach, Florida 33069**

**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, D2, D3, & D4, titled " 20 ga. (0.038" min.) Galvalume ", sheet 1 of 1, each drawing, prepared by Orange State Industries, dated April 02, 2003, signed and sealed by Carlos F. Castillo, P.E. on April 10, 2003, 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: 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.

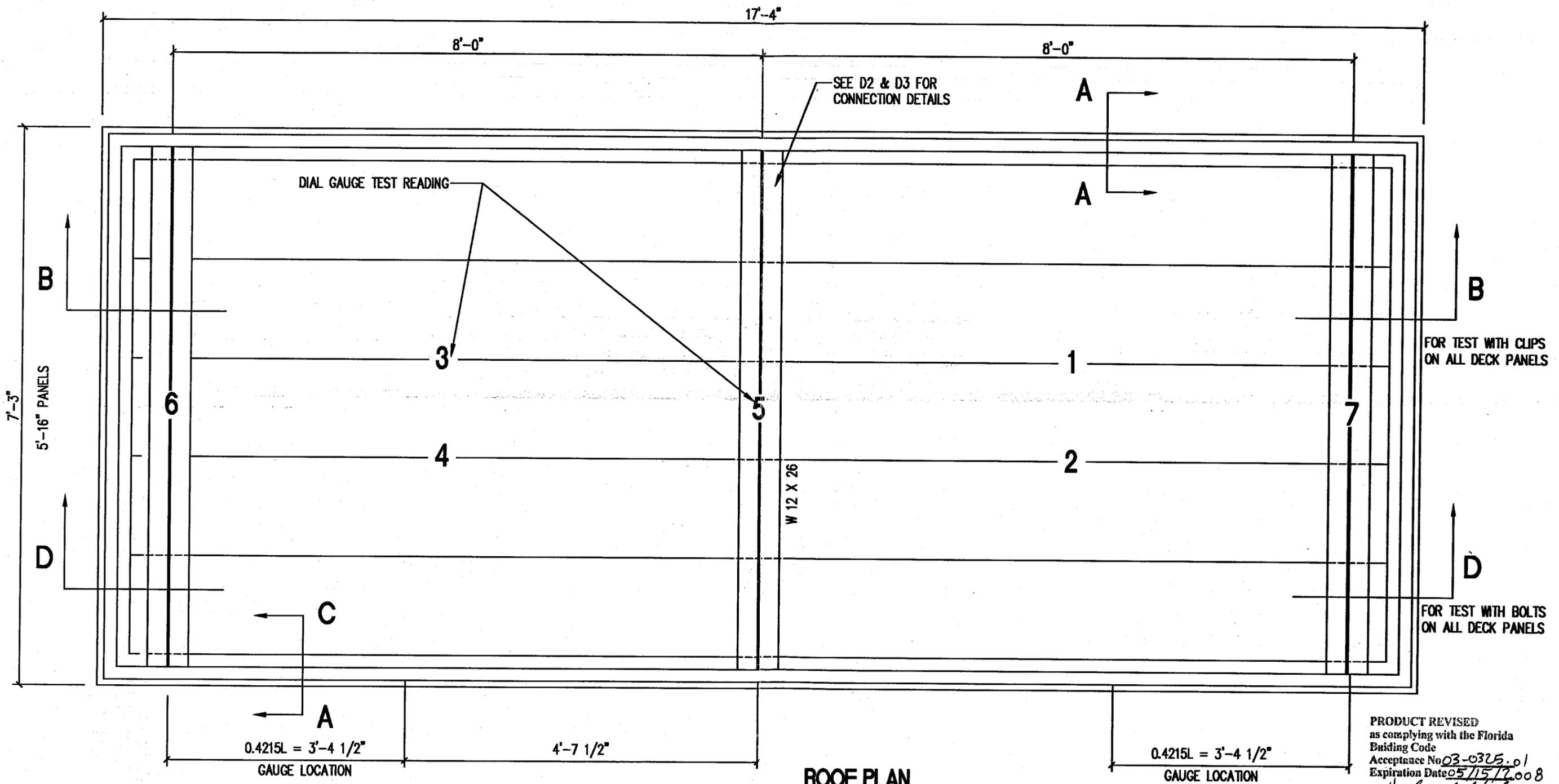
**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA # 99-1207.03 & consists of this page 1 & approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**

H.M.  
05/15/03



**NOA No 03-0325.01  
Expiration Date: 05/15/2008  
Approval Date: 05/15/2003  
Page 1**



**ROOF PLAN**

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

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 03-0325.01  
 Expiration Date 05/15/2008  
 By *Helmut A. Weber*  
 Miami Dade Product Control  
 Division

REVISIONS				
NO.	DESCRIPTION	DATE	BY	CHK



**ORANGE STATE INDUSTRIES**  
 1909 Northwest 18th Street  
 Pompano Beach, FL 33069  
 Phone: (954) 971-9598

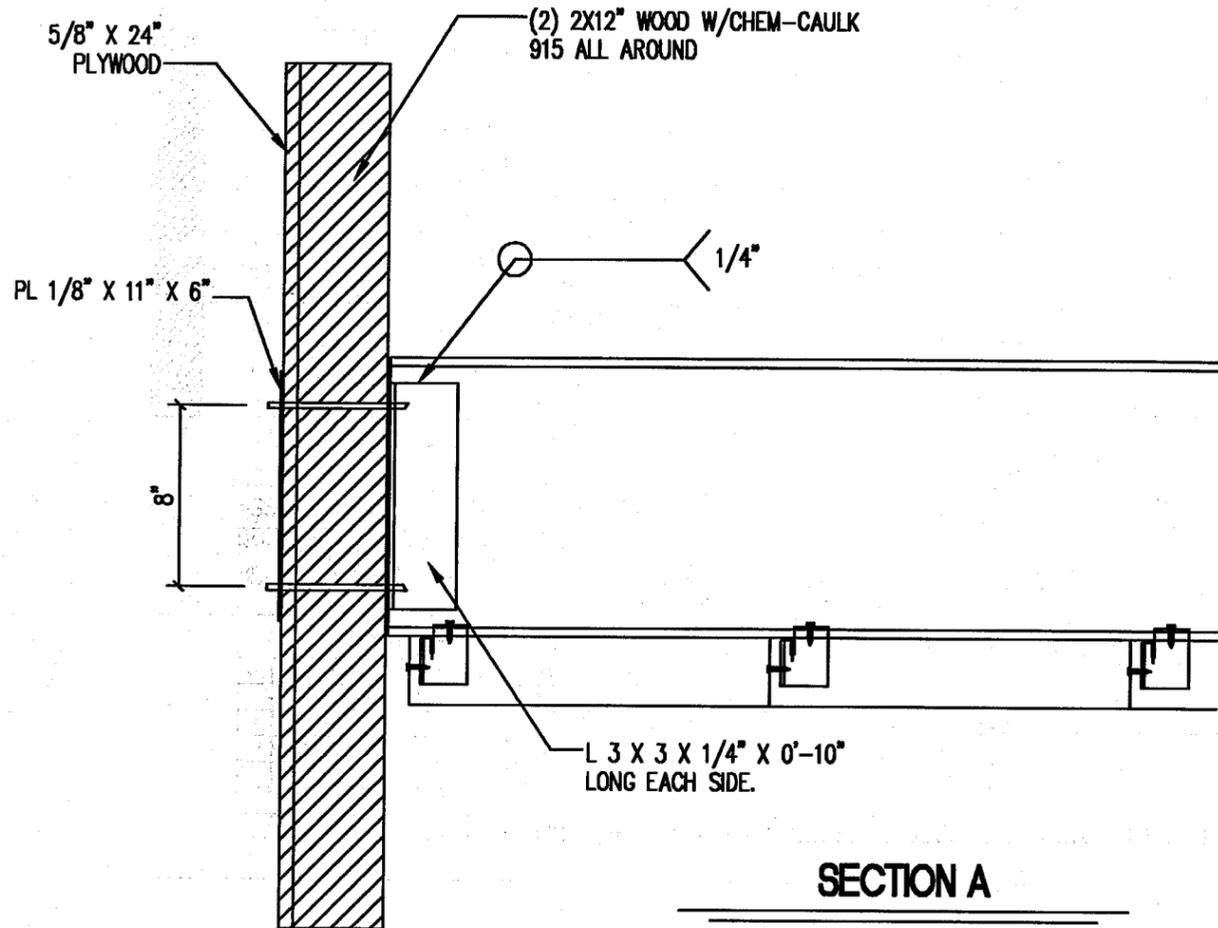
**CARLOS F. CASTILLO, P.E.**  
 State Of Florida Structural Engineer  
 Certificate #51885  
 1909 Northwest 18th Street  
 Pompano Beach, FL 33069  
 Phone: (954) 971-9598

*Handwritten initials and number:*  
 41501-3

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

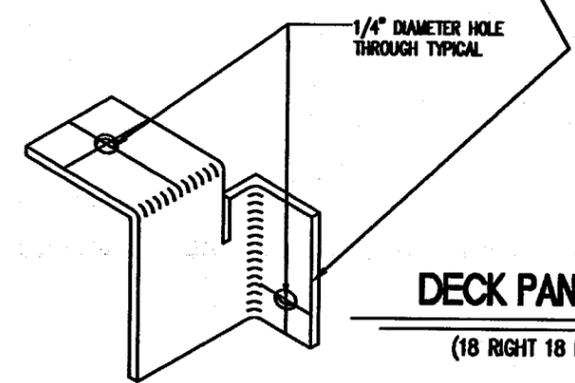
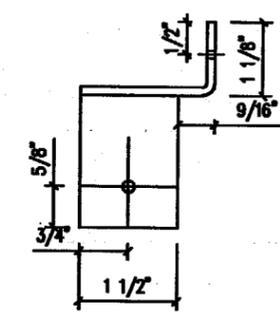
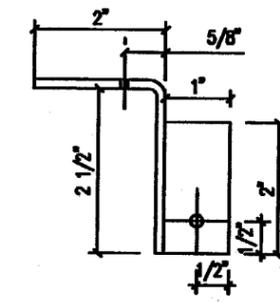
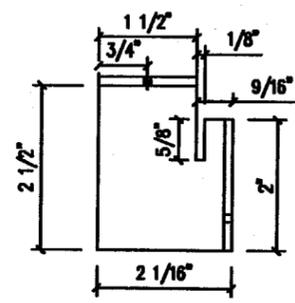
APPROVED BY:

DESIGNED BY: C. SAGRERAS	CHECKED BY:
SCALE: 3/4" = 1'-0"	DATE: 04/02/03
JOB NUMBER:	DRAWING NAME: <b>D1</b>
SHEET: 1	OF: 1



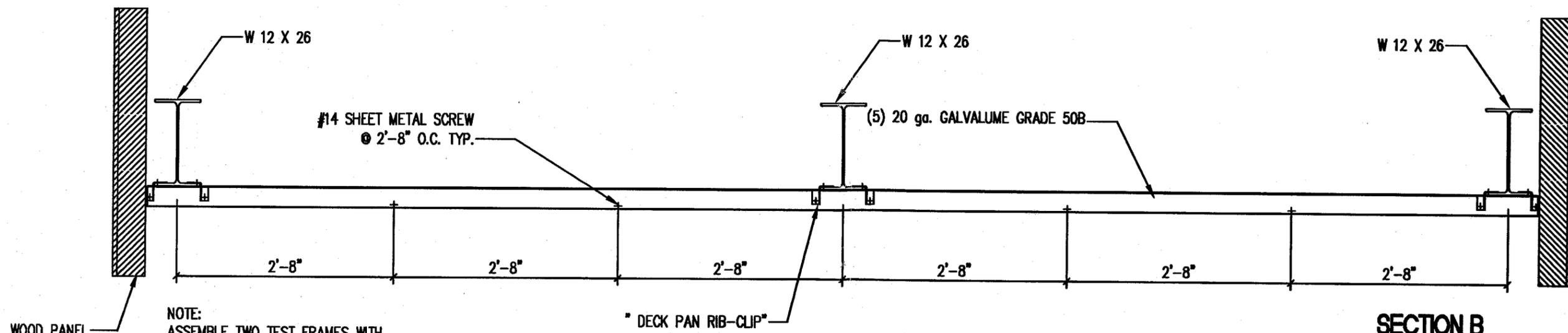
**SECTION A**  
SCALE: 1 1/2" = 1'-0"

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.



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

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 03-0325.01  
Expiration Date 05/15/2008  
By *Heather A. Miller*  
Miami Dade Product Control  
Division



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

NOTE:  
ASSEMBLE TWO TEST FRAMES WITH  
DECK PAN RIB-CLIP CONNECTIONS  
ON ALL DECK PANELS

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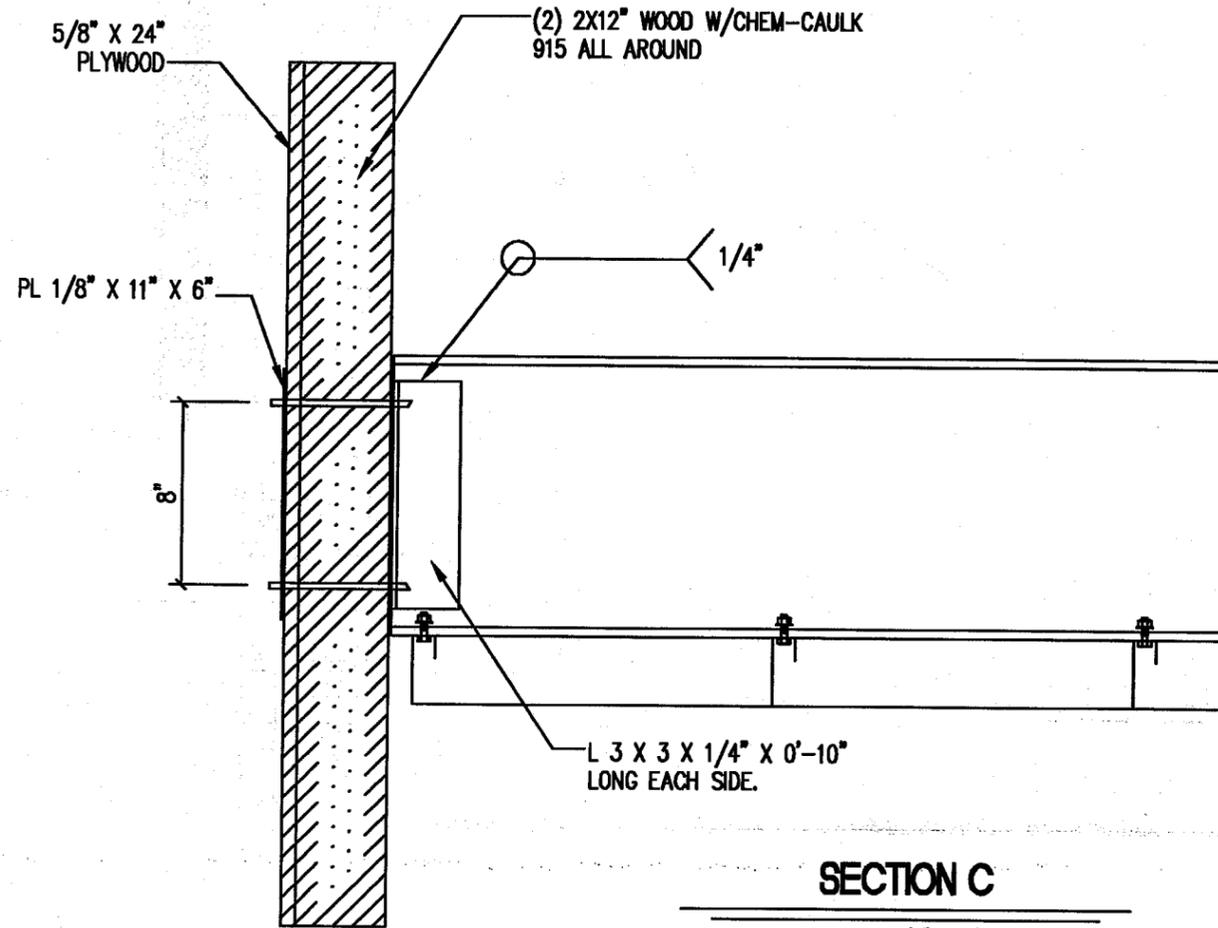
**CARLOS F. CASTILLO, P.E.**  
State Of Florida Structural Engineer  
Certificate #51885  
1909 Northwest 16th Street  
Pompano Beach, FL 33069  
Phone: (954) 971-9598

*cfb*  
4/10/03

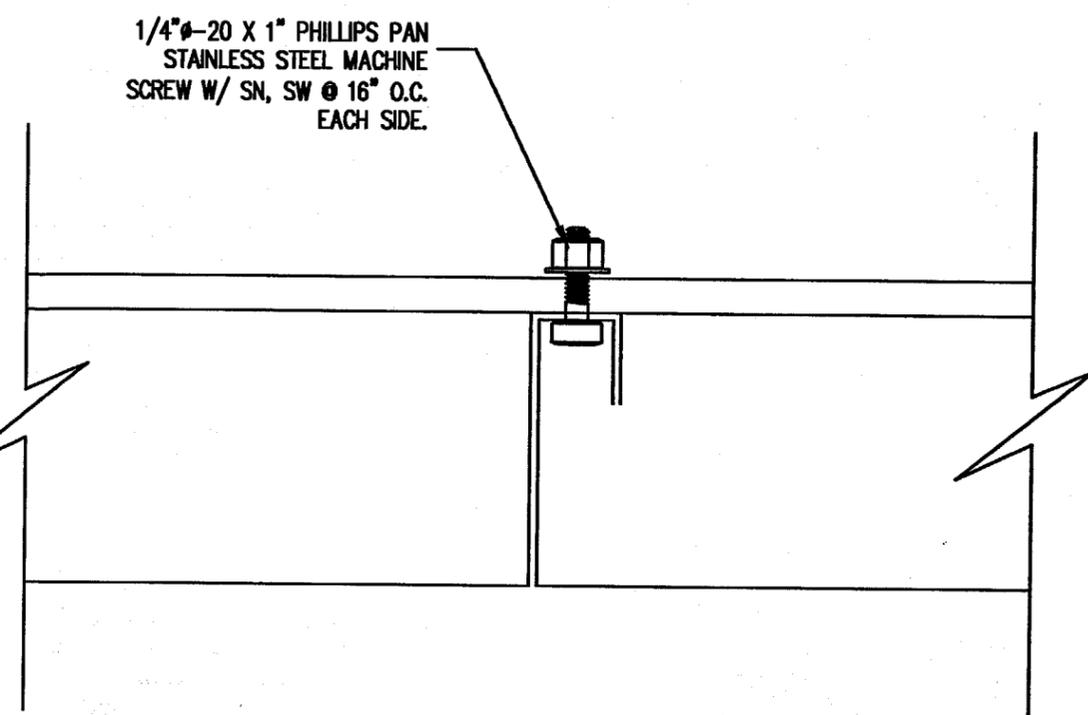
TITLE:  
**20 GA. (0.038" Min) GALVALUME  
16" X 3" DECK PANS  
FOR CLIP CONNECTIONS**

APPROVED BY:

DESIGNED BY: C. SAGRERAS	CHECKED BY:
SCALE: 3/4" = 1'-0"	DATE: 04/02/03
JOB NUMBER:	DRAWING NAME: <b>D2</b>
SHEET: <b>1</b>	OF: <b>1</b>

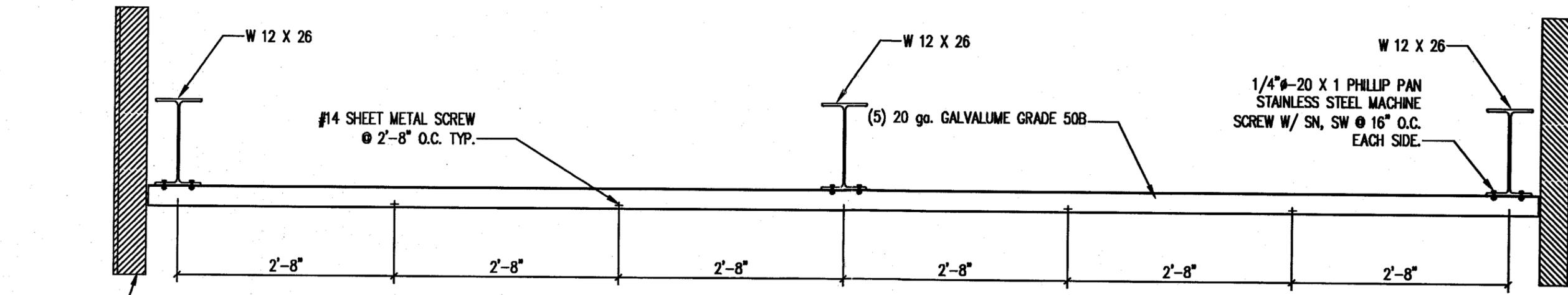


**SECTION C**  
SCALE: 1 1/2" = 1'-0"



**CONNECTION DETAIL**  
SCALE: 6" = 1'-0"

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 03-0325.01  
Expiration Date 05/15/2008  
By *Helmut A. Heber*  
Miami Dade Product Control  
Division



NOTE:  
ASSEMBLE TWO TEST FRAMES WITH  
PHILLIP PAN SCREWS  
ON ALL DECK PANELS

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

REVISIONS				
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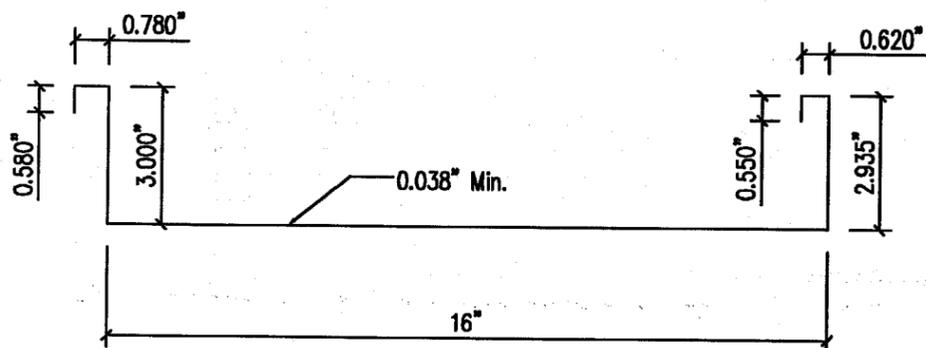
**CARLOS F. CASTILLO, P.E.**  
State Of Florida Structural Engineer  
Certificate #51885  
1909 Northwest 16th Street  
Pompano Beach, FL 33069  
Phone: (954) 971-9598

*af*  
4/10/03

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

APPROVED BY:

DESIGNED BY: C. SAGRERAS	CHECKED BY:
SCALE: 3/4" = 1'-0"	DATE: 04/02/03
JOB NUMBER:	DRAWING NAME: D3
SHEET: 1	OF: 1



**20 ga. (0.038" Min) GALVALUME DECK**

SCALE: 3" = 1'-0"

**PANEL SPECIFICATIONS**

1. STEEL DECK SHALL BE GALVALUME 20ga. (0.038" 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 = 460.0ft.-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 = 709.0 lbs. (FOR TWO CLIPS PER SUPPORT AS SHOWN ON DRAWING NUMBER D2).
  - B. PANEL WITH BOLTED CONNECTIONS (COMPLY WITH DETAILS OF DRAWING NUMBER D3)
    - MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORT = 933.0 ft.-lbs.
    - MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 537.0ft.-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 = 897.0 lbs. (FOR TWO 1/4"-20x 1" PHILIP PAN STAINLESS STEEL MACHINE SCREWS WITH SN. SW PER SUPPORT AS SHOWN ON DRAWING NUMBER D3).

2. THE ABOVE ALLOWABLES OF THE CLIPPED AND BOLTED CONNECTIONS PANELS ARE BASED ON A 16" WIDE PANEL LOADING. TO GET THE WIND LOAD PREASSURE PER SQUARE FOOT, MULTIPLY 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 TEST. 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, 2001. AND ACCORDING TO WIND PROVISIONS OF ASCE 7-98.
2. CLIPPED CONNECTION----> TEST PRESURE = +150.0 /- 160.0 psf  
DESIGN PRESSURE = COMPLY WITH THE PANEL SPECIFICATIONS SHOWN ABOVE.
3. BOLTED CONNECTION----> TEST PRESURE = +190.0 /- 175.0 psf  
DESIGN PRESSURE = COMPLY WITH THE PANEL SPECIFICATIONS SHOWN ABOVE.
4. LIVE LOAD TEST PRESSURE = 30 psf.

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Acceptance No 03-0325.01  
Expiration Date 05/15/2008  
By *Helmut A. Meier*  
Miami Dade Product Control  
Division

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**CARLOS F. CASTILLO, P.E.**  
State Of Florida Structural Engineer  
Certificate #51885  
1909 Northwest 16th Street  
Pompano Beach, FL 33069  
Phone: (954) 971-9598

*Handwritten initials and date: 4/10/03*

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

APPROVED BY:

DESIGNED BY: C. SAGRERAS	CHECKED BY:
SCALE: 3/4" = 1'-0"	DATE: 04/02/03
JOB NUMBER:	DRAWING NAME: <b>D4</b>
SHEET: 1	OF: 1