



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Dean Steel Buildings, Inc.
2929 Industrial Avenue
Fort Meyers ,FL 33901

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Notice of Acceptance (NOA) of:

0.026" (Min.) Structural Galvalume Steel "Rib-12" Roof Panel

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0618.03
EXPIRES: 09/03/2006

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 08/30/2001



Dean Steel Buildings, Inc.

ACCEPTANCE No. : 01-0618.03

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NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This renews the Notice of Acceptance No. 98-0128.04, which was issued on September 03, 1998. It approves a 0.026" (min.) Structural Galvalume Steel Roof Panel, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the load requirements, as determined by SFBC Chapter 23, do not exceed the design load values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

This 0.026" (min.) Structural Galvalume Steel Roof Panel and its components shall be constructed in strict compliance with the following documents: Drawing titled "Rib-12 Roof Panel", prepared by Nanette dean, P.E., last revision #4 dated June 27, 2001, sheet 1 of 1, bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

All permanent set components must be protected against corrosion, contamination and damage at all times.

4. INSTALLATION

This 0.026" (min.) Structural Galvalume Steel Roof Panel and its components shall be installed in strict compliance with the approved drawings.

5. 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".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



Helmy A. Makar, P.E.- Product Control Examiner
Product Control Division

Dean Steel Buildings, Inc.

ACCEPTANCE No. : 01-0618.03

APPROVED : 08/30/2001

EXPIRES : 09/03/2006

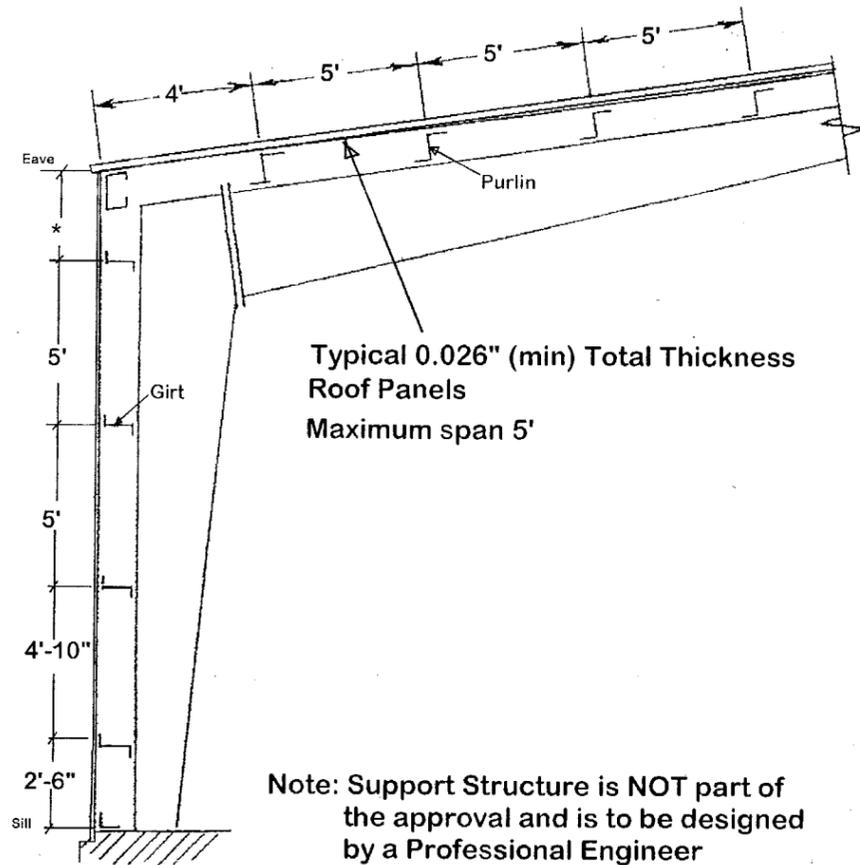
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE

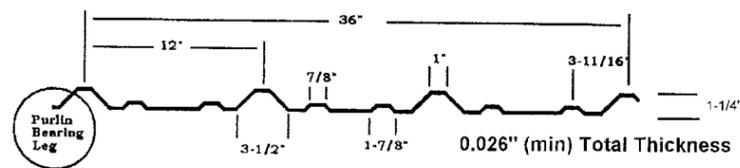


Helmy A. Makar, P.E.- Product Control Examiner
Product Control Division



Typical Roof Cross Section

Rib-12 Panel Cross Section



Rib-12 Panel Properties

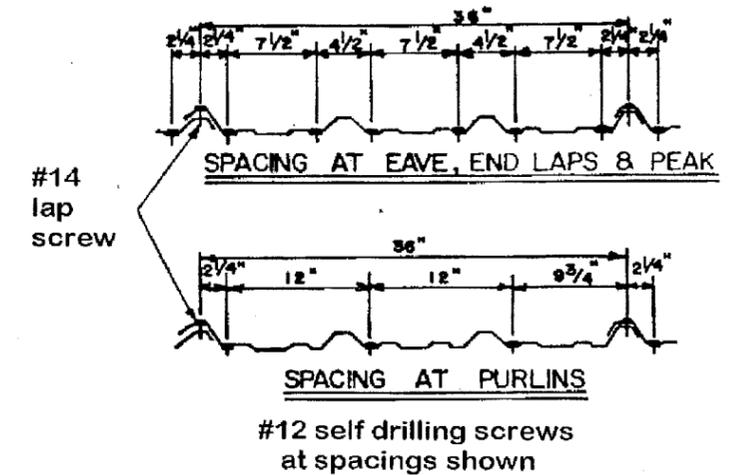
- Allowable bending moment of panel at supports = 144.20 ft-lbs
- Allowable bending moment of panel between supports = 81.12 ft-lbs
- EI value of panel = 1.19×10^6 lbs-in²
- Allowable deflection of panel = L/240
- Allowable support reaction = 329.3 lbs
- Increased design pressures at perimeter and corner areas may be met through rational analysis, using the panel section properties, by increasing the number of attachment points in these areas. All rational analysis computations shall be conducted, signed and sealed by a professional engineer.

1. Section properties are calculated in accordance with the A(86) AISI Cold Formed Steel Design Manual, 1989 addendums and correlated with calculations based on testing.
2. Section properties are based on base metal thickness without protective coatings.

Rib-12 Allowable Loads

1. Panels with purlin bearing legs are available in Rib-12 Galvalume™ only.
2. All steel substrates are manufactured in accordance to ASTM A446 specifications. Protective metallic coatings shall be either galvanized, G90, 1.25 oz/sf, meeting ASTM A525 or Galvalume™, AZ55, 0.55 oz/sf meeting ASTM A792 specifications.
3. Organic paint coatings shall be silicone polyester equal to Ceram-A-Star™ 950 and shall meet ASTM G23, G26 and B117.
4. Flashings, penetrations, valley construction, and other details shall be constructed in compliance with the minimum requirements provided in Dade County Application Standard PA133.
5. Rib-12 panels shall bear the UL Classification marking.
6. Rib-12 structural metal panels consist of cold formed steel sheet metal, 0.026" in total thickness, conforming to ASTM A792, with minimum yield point strength $F_y=80,000$ psi. The protective metallic coating shall comply with ASTM A525 (galvanized) class G90 or with ASTM A792 (Galvalume™) class AZ55.
7. All self-tapping fasteners shall conform to USASB18.6.4 and shall have type A or type AB threads. All self-drilling fasteners shall conform to IF1113. Where required for weather tightness, fasteners shall be assembled with neoprene sealing washers.
8. Sealer for side laps, end laps, and flashing shall be a butyl based polymer sealant in extruded tape form. The sealer shall be non-shrinking, non-drying and non-toxic, and shall have superior adhesion to metals, plastics, and painted surfaces. Service temperatures range from -30° to $+300^\circ$ F. The material shall not flow at 120° F, and shall meet or exceed the requirements of government specification number MIL-C 18969 Type II, Class B and TT-C-1796A.

Rib-12 Fastener Size & Location Diagram



All lap or stitch screws are #14 at 12" on center
Fasteners at the valley are #12 at 6" on center

DEAN Rib-12 Panels have been tested and passed as follows:

- Roof: PA125, PA110, PA201, PA100, PA114
- Minimum Roof pitch is 1:12
- Uplift per UL580, Construction #65
- Flame Spread tested to ASTM E84 and physical properties per ASTM G23 & ASTM B117.
- The maximum allowable uplift pressure for System A-1 shall be -42 PSF for 5'-0" maximum panel span.

PRODUCT RENEWED
ACCEPTANCE No. 01-0618-03
EXPIRATION DATE: 09/03/2006
By Helmut A. Mader
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

<p>Nanette Dean Civil Engineer State of Florida #45851</p>	<p>DEAN STEEL BUILDINGS, INC.</p>	<p>Rib-12 Roof Panel</p>
		<p>Page 1 of 1 Revision #4 June 27, 2001</p>