



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.miamidade.gov

NOTICE OF ACCEPTANCE (NOA)

Dean Steel Buildings, Inc.
2929 Industrial Avenue
Fort Myers, Florida 33901

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

APPROVAL DOCUMENT: Drawing titled "Rib-12 Roof Panel", prepared by Nanette dean, P.E., last revision #4 dated June 27, 2001, sheet 1 of 1, signed and sealed by Nanette dean, P.E., 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.

MISSILE IMPACT RATING: Large and Small Missile Impact

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 renews NOA #01-0618.03 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

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



Helmy A. Makar
10/04/2007

NOA No. 07-0710.11
Expiration Date: 10/04/2012
Approval Date: 10/04/2007
Page 1

Dean Steel Buildings, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #98-0128.04

A. DRAWINGS

1. *Drawing No. 1, prepared by William A. Clark, P.E., titled "Rib-12 Roof Panel", dated April 15, 1998, last revision #3 dated August 13, 1998, sheet 1 of 1, signed and sealed by William A. Clark, P.E.*

B. TESTS

1. *Same as the previous approval #94-1214.02.*

C. CALCULATIONS

1. *Same as the previous approval #94-1214.02.*

D. MATERIAL CERTIFICATIONS

1. *Same as the previous approval #94-1214.02.*

E. OTHERS

1. *This approval renews the Notice of Acceptance No. 94-1214.02, which was issued on 03/30/1995 and expired on 03/30/1998.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-0618.03

A. DRAWINGS

1. *Drawing prepared by Nanette Dean, P.E., titled "Rib-12 Roof Panel", last revision #4 dated June 27, 2001, sheet 1 of 1, signed and sealed by Nanette Dean, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. MATERIAL CERTIFICATIONS

1. *None.*



Henry A. Makar, P.E., M.S.

Product Control Examiner

NOA No. 07-0710.11

Expiration Date: 10/04/2012

Approval Date: 10/04/2007

Dean Steel Buildings, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TESTS

1. *Test reports on 1) Uniform Static Air Pressure Test, Loading per ASTM E 1592 along with marked-up drawings and installation diagram 24 GA 36" steel roof panel, prepared by Hurricane Test Laboratory, LLC, Test Report No. 0445-0805-06, dated 06/05/2007, signed and sealed by Vinu J. Abraham, P.E.*
2. *Test reports on 1) Wind and Wind Driven Rain Resistance of Discontinuous Roof Systems, P 100-95 along with marked-up drawings and installation diagram 24 GA Rib-12 steel roof panel, prepared by Construction Materials Technologies, Test Report No. DSB-001-02-01, dated 02/28/2007, signed and sealed by Charles L. Thomas, P.E.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

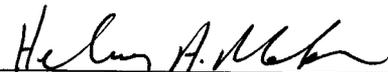
1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATION

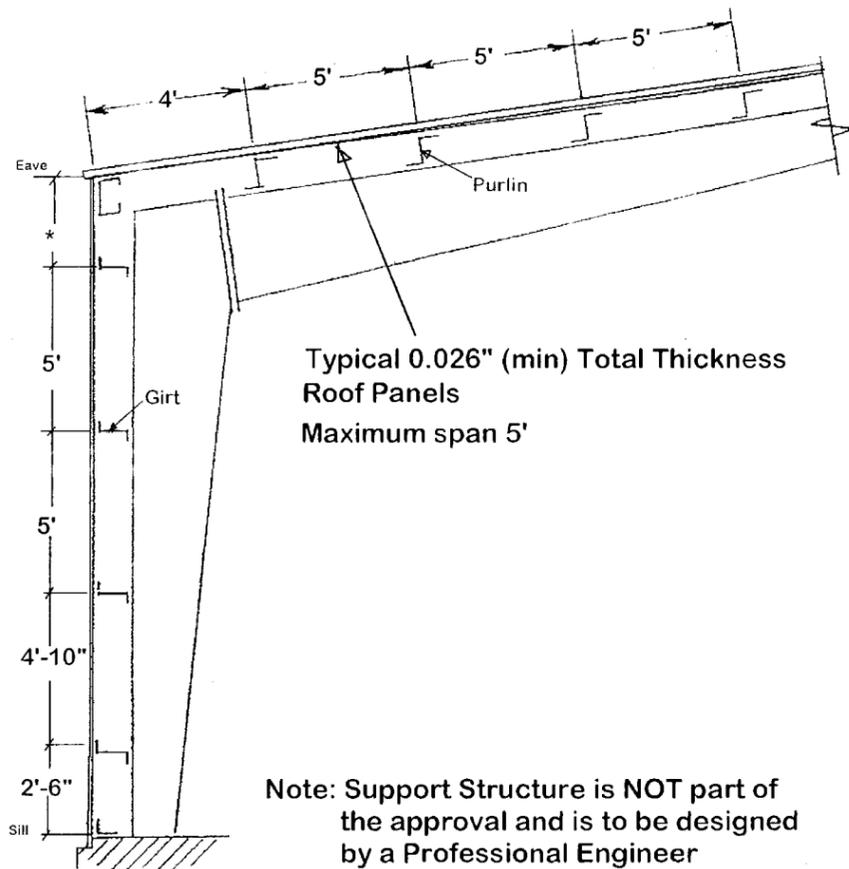
1. *Tensile Test prepared by Hurricane Engineering & Testing, Inc., Report # HETI-07-T640, dated 02/20/2007, for steel samples, tested per ASTM E8-00, signed by Candido Font, P.E.*

F. STATEMENTS

1. *Statement letter of compliance with the Florida Building Code, dated 06/19/2007, signed and sealed by James L. Buckner, P.E.*

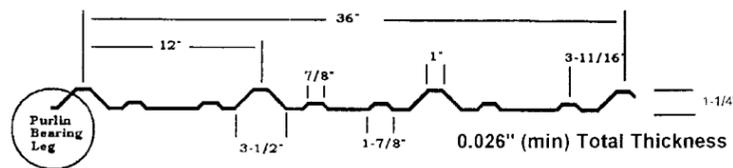


Henry A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 07-0710.11
Expiration Date: 10/04/2012
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Typical Roof Cross Section

Rib-12 Panel Cross Section



Rib-12 Panel Properties

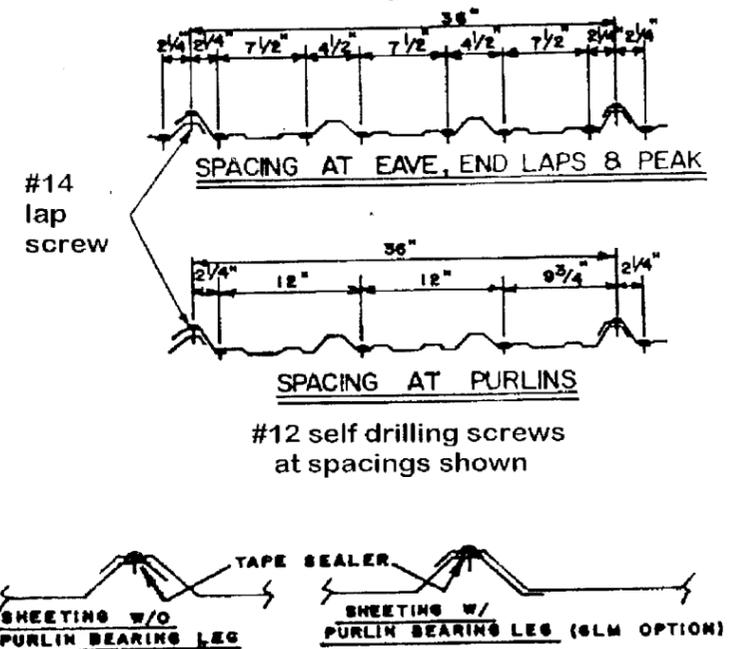
- Allowable bending moment of panel at supports = 144.20 ft-lbs
- Allowable bending moment of panel between supports = 81.12 ft-lbs
- EI value of panel = 1.19×10^6 lbs-in²
- Allowable deflection of panel = L/240
- Allowable support reaction = 329.3 lbs
- Increased design pressures at perimeter and corner 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
 as complying with the Florida
 Building Code
 Acceptance No. 07-0710-11
 Expiration Date 10/04/2012
 By Helmut A. Meiser
 Miami-Dade Product Control
 Division

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

Nanette Dean Civil Engineer State of Florida #45851		Rib-12 Roof Panel