



**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

**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

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Star Building Systems**  
**8600 S. I-35**  
**Oklahoma City ,OK 73143**

Your application for Notice of Acceptance (NOA) of:

**"Star Shield" 0.0325" (min.) Structural Galvalume Steel 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.

Raul Rodriguez  
Chief Product Control Division

**ACCEPTANCE NO.: 01-0711.01**  
**EXPIRES: 12/27/2006**

**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: 12/27/2001**

**Star Building Systems**

**ACCEPTANCE No. :** 01-0711.01

**APPROVED :** 12/27/2001

**EXPIRES :** 12/27/2006

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

This approves a 0.0325" (min.) Structural Galvalume Coated Standing Seam 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 0.0325" (min.) Structural Galvalume Coated Standing Seam Steel Roof Panel and its components shall be constructed in strict compliance with the following documents: Drawing No. S/S 010529, titled "StarShield Roof System", last revision dated November 28, 2001, sheets 1 through 3 of 3, prepared by Kwon S. Kim, P.E., signed and sealed by Kwon S. Kim, P.E. on November 28, 2001, bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval 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 0.0325" (min.) Structural Galvalume Coated Standing Seam 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".

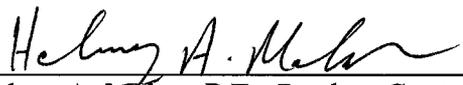
**6. BUILDING PERMIT REQUIREMENTS**

**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.

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

Star Building Systems

ACCEPTANCE No. : 01-0711.01

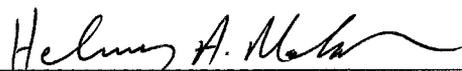
APPROVED : 12/27/2001

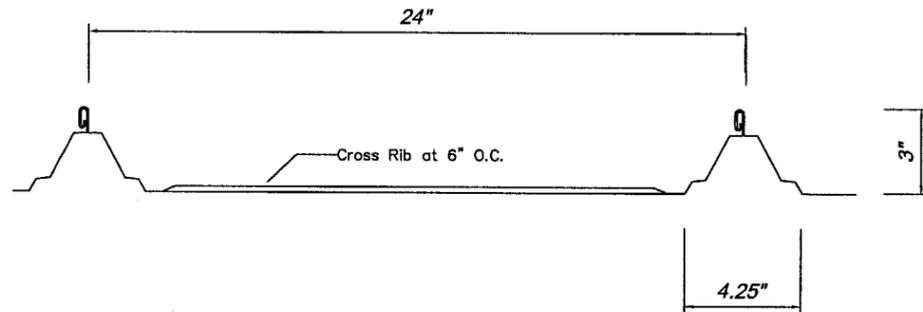
EXPIRES : 12/27/2006

**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



### StarShield Panel Profile

The maximum roof panel span and the maximum allowable design up-lift(negative) pressure of this roof panel shall be based on the following panel's allowable;

1. Maximum allowable bending moment of panel at support = 75.78 ft-lbs.
2. Maximum allowable bending moment of panel between supports = 44.21 ft-lbs.
3. Maximum panel reaction at support = 235.2 lbs.
4. Maximum allowable deflection of panel = L/240.
5. Panel EI value = 988,416.0 lbs - in sq.

**NOTE:**

1. This roof panel is approved for up-lift (negative) pressure only.
2. This roof panel is approved for spans up to 4'-0" maximum.

**NOTE:**

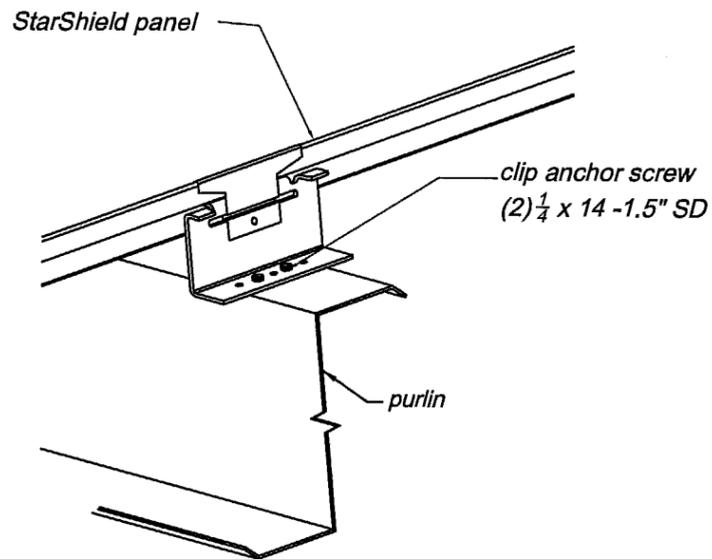
1. Panel material is 22 gage (0.0325" min.) steel minimum yield of 56.3 ksi, coated with Galvalume meeting ASTM A792. Kynar or silicone poly paint may be applied on the coating.
2. The clip base is 12 gage(t= 0.1046" min.), minimum yield of 50 ksi, galvanized steel, the clip tab is 22 gage(t=0.0325" min.), 50 ksi galvanized or Galvalume steel.
3. The clip anchor fasteners are two 1/4" - 14 x 1.5" SD screws. Panel lap screws are #12 - 14 x 1.25" SD with washer and either painted or stainless steel caped. They are supplied by Atlas or Buildex.
4. Purlin, the secondary structural member which those screws are fastened to, is minimum yield 55ksi, minimum 0.064" thick steel. Or bar joist having chord thickness 3/16" Min.
5. The maximum roof purlin space is 4'-0" on centers.
6. Sealant is 1.25" x 5/32" butyle tape supplied by Sika Corp or Schnee Morehead.
7. Tube caulk is urathane base and supplied by Schnee Morehead or Sika.
8. Panel closures are made of EPDM foam rubber supplied by National Rubber.

*Handwritten notes:*  
 per m file  
 1/28/01

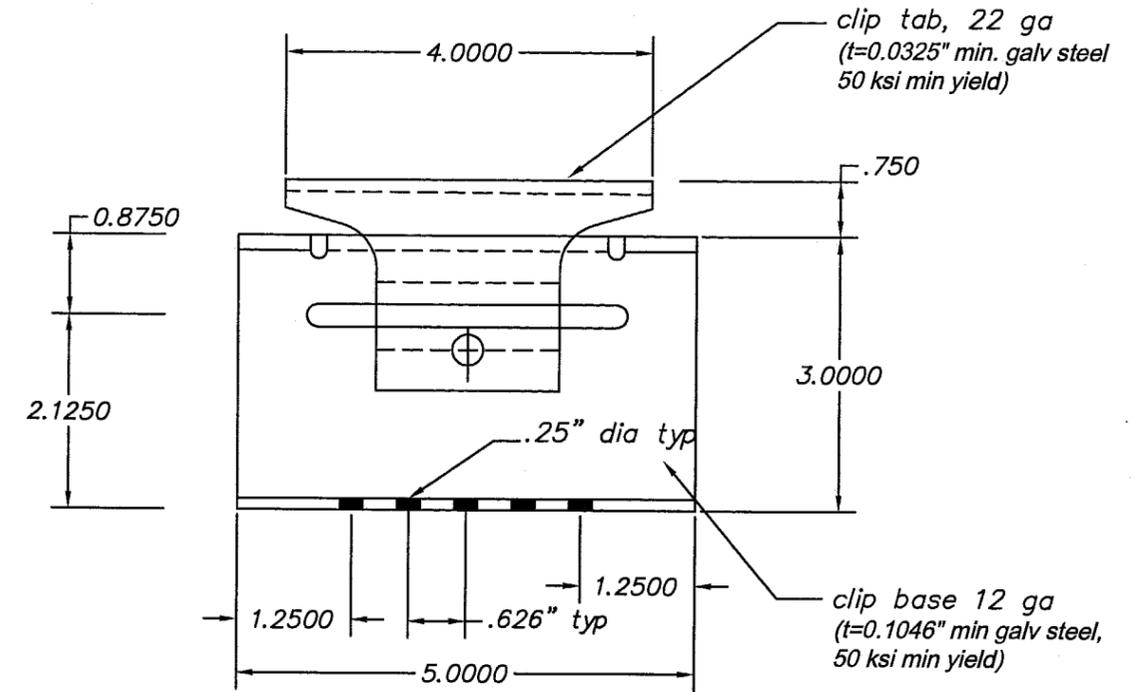
Star Building Systems  
 A Robertson Ceco Company  
 8600 South I-35  
 Oklahoma City, OK 73143  
 (405) 636-2010

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE 12/27/2001  
 BY *Handwritten Signature*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 01-0711-01

11-28-01	KK	profile, dimensions, notes	file; Dade SS 010529 C	CHECKED KK	DATE 01-09-01	Title: <b>StarShield Roof System</b>	STAR BUILDING SYSTEMS A RobertsonCeco Company P.O. BOX 94910 OKLAHOMA CITY, OK 73143 (405) 636-2010	DRAWING NO. S/S 010529
		thickness change to 0.0325" (0.031 steel + 0.0015 coating) & Fy to 56.3 to match the test test report						
		Replaced load chart with notes.						
		NOT TO SCALE						
St 1 of 3								

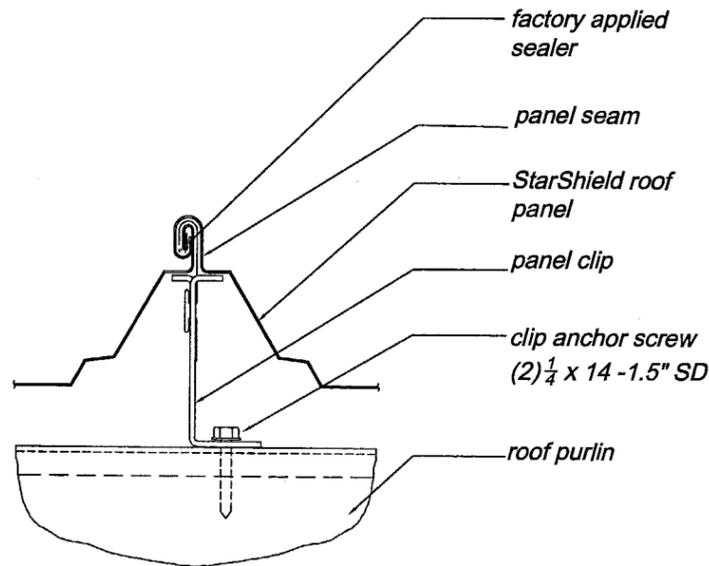


**Clip to Purlin Connection**

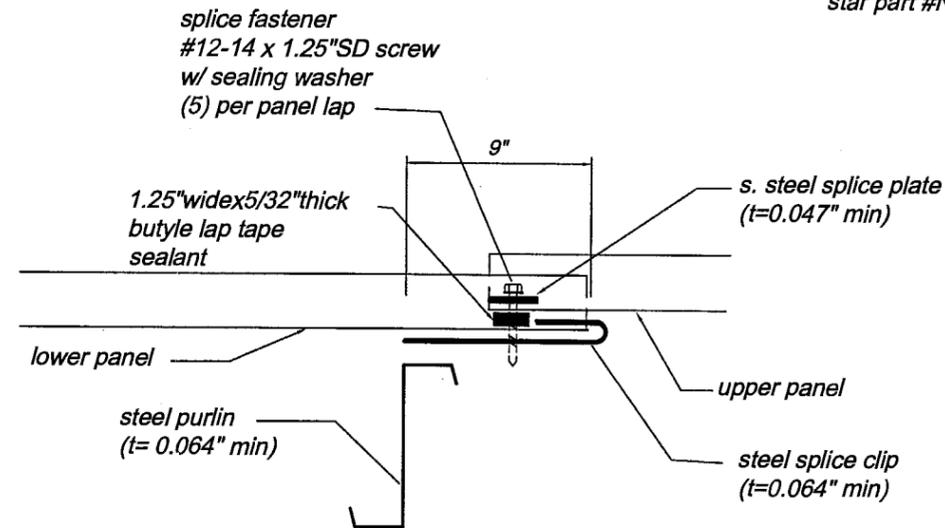


**Panel Clip Detail**

star part #NQ64



**Panel Anchor Detail**



**Panel End Lap Detail**

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE 12/27/2001  
BY *Helmut A. Weber*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-0711-01

Star Building Systems  
A Robertson Ceco Company  
8600 South I-35  
Oklahoma City, Ok 73143  
(405) 636-2010

		clip application and detail, end lap	file: Dade SS 010529 B
11-28-01	KK	general revision	

CHECKED  
KK

DATE  
5-29-01

NOT TO SCALE

STAR BUILDING SYSTEMS  
A RobertsonCeco Company  
F.O. BOX 94910  
OKLAHOMA CITY, OK 73143  
(405) 636-2010

Title:  
**StarShield Roof System**

DRAWING NO.  
S/S 010529  
St 2 of 3

