



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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov

Star Building Systems
8600 South I-35
Oklahoma City, OK 73149

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: "Star Shield " 0.0325" (min.) Structural Galvalume Steel Roof Panel

APPROVAL DOCUMENT: 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 Renewal stamp with the Notice of Acceptance number and 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 # 01-0711.01** 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
 12/14/2006

NOA No 06-0926.04
 Expiration Date: 12/27/2011
 Approval Date: 12/14/2006

Star Building Systems

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-0711.01

A. DRAWINGS

1. *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.*

B. TESTS

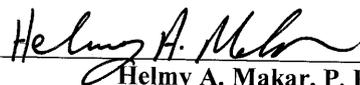
1. *Test report on Large Missile Impact on Standing Seam Roof Panel, prepared by Hurricane Test Laboratory, Inc., Report No. 0120-0808-00, dated March 9, 2001, signed and sealed by Vinu J. Abraham, P.E.*
2. *Test report on Accelerated Weathering Testing of Coating 2000 hours per ASTM G26-96, prepared by Asphalt Technologies, dated May 1, 2000, signed and sealed by Charles L. Thomas, P.E.*
3. *Test report on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by PRI Asphalt Technologies, dated July 19, 2001, signed and sealed by Charles L. Thomas, P.E.*
4. *Susceptibility to leakage test in accordance with Miami-Dade County Protocol PA 114 Appendix G, prepared by Asphalt Technologies, Report No. SBS-002-02-01, dated May 10, 2001, signed and sealed by Charles Thomas, P.E.*
5. *Test report on Uplift Resistance per UL 580 Class 90 on Standing Seam Roof Panel, prepared by Hurricane Test Laboratory, Inc., Report No. 0120-0808-00, 0120-1204-00, 0120-0106-01 dated March 12, 2001, signed and sealed by Vinu J. Abraham, P.E.*
6. *Wind Driven Rain Test per PA-100 on Standing Seam Roof Panel, prepared by Asphalt Technologies, Report No. SBS-001-02-01, dated May 8, 2001, signed and sealed by Charles Thomas, P.E.*

C. CALCULATIONS

1. *Calculations titled "Standing Seam Roof Panel", 8 pages, dated August 31, 2001, prepared by Kwon S. Kim, P.E., signed and sealed by Kwon S. Kim, P.E.*

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Test Report issued by U. S. Steel Group, dated 01/05/00, with chemical composition and mechanical properties of galvalume steel.*
2. *Tensile Test on specimen #01-A of Test No. 0120-0106-01, Report No. 1DM-573, prepared by QC Metallurgical, Inc., dated April 27, 2001, signed and sealed by Frank Grate, P.E.*



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

Product Control Examiner

NOA No 06-0926.04

Expiration Date: 12/27/2011

Approval Date: 12/14/2006

Star Building Systems

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

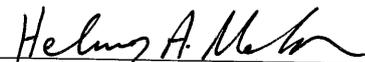
1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



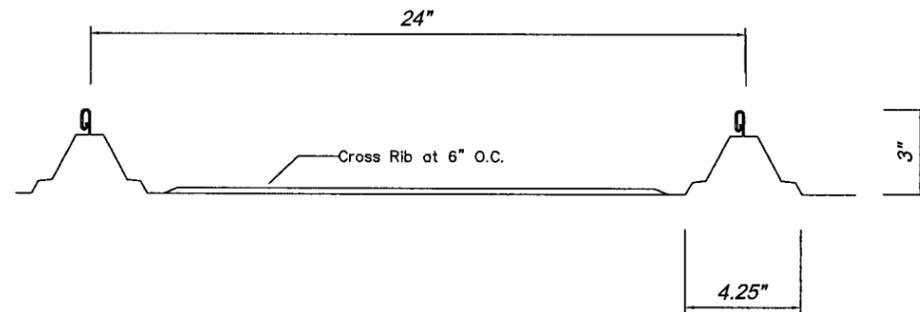
Helmy A. Makar, P. E., M.S.

Product Control Examiner

NOA No 06-0926.04

Expiration Date: 12/27/2011

Approval Date: 12/14/2006



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.

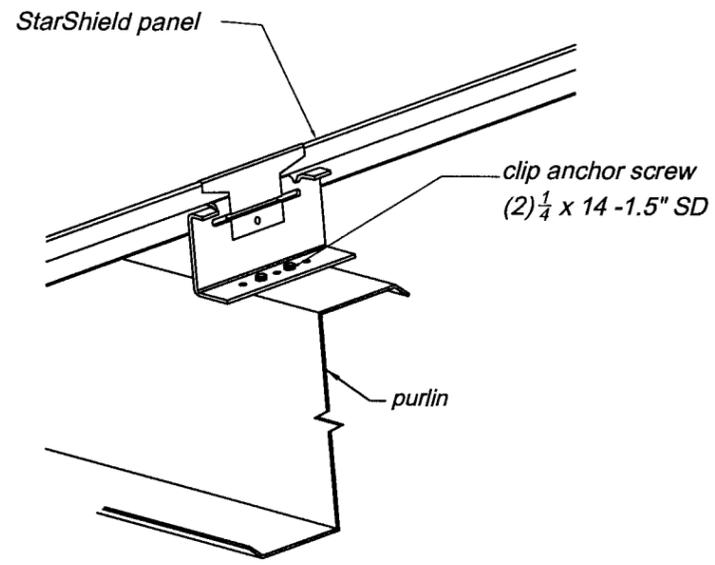
PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 06-9926.04
 Expiration Date 12/27/2011
 By: *Helmut A. Malar*
 Miami Dept. of Professional Control
 Division

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

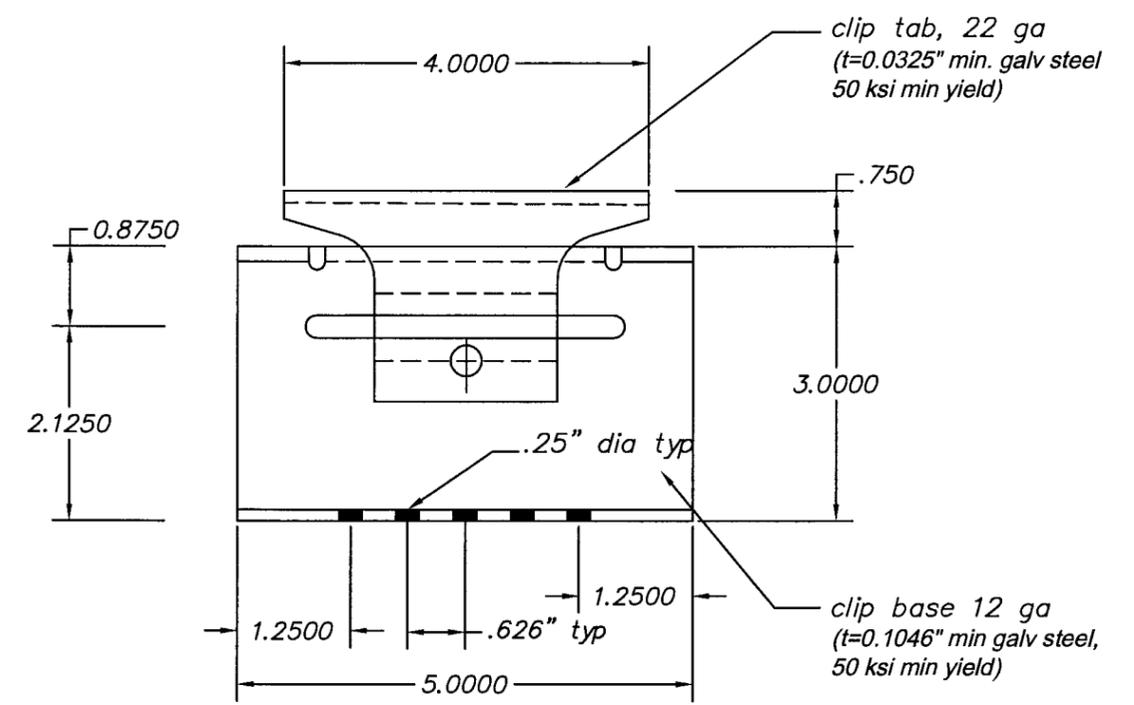
Star Building Systems
 A Robertson Ceco Company
 8600 South I-35
 Oklahoma City, Ok 73143
 (405) 636-2010

*see note
1/28/01*

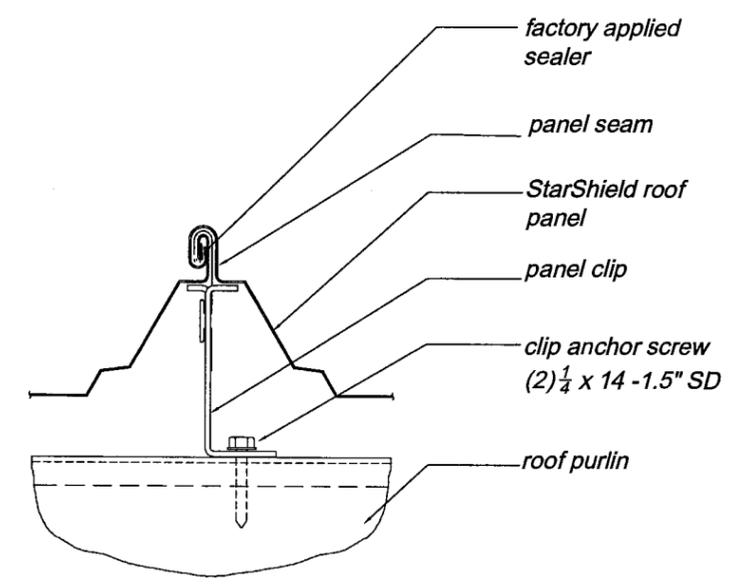
		profile, dimensions, notes	file: Dade SS 010529 C			STAR BUILDING SYSTEMS P.O. BOX 94910 OKLAHOMA CITY, OK 73143 A RobertsonCeco Company (405) 636-2010	DRAWING NO. S/S 010529 St 1 of 3
11-28-01	KK	thickness change to 0.0325" (0.031 steel + 0.0015 coating) & Fy to 56.3 to match the test report Replaced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



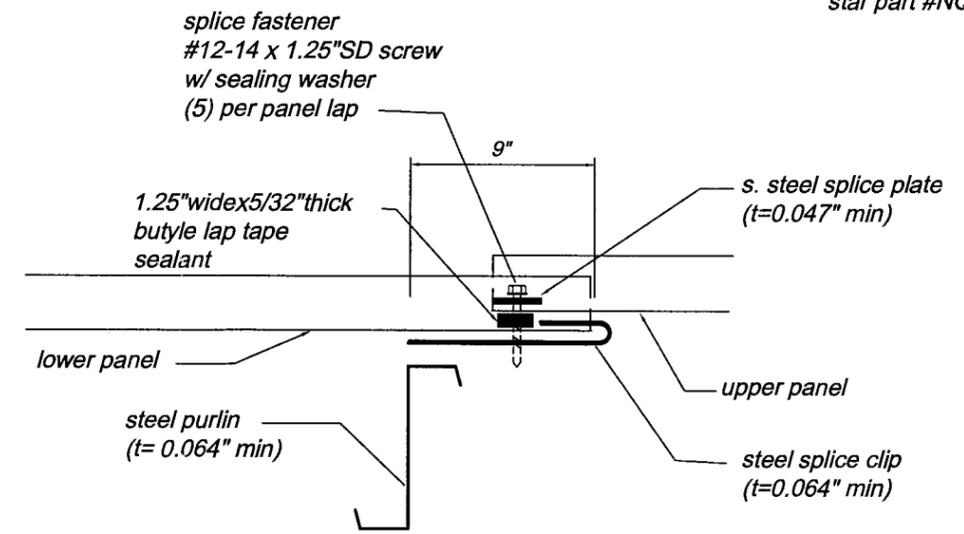
Clip to Purlin Connection



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. Meier*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0711.01

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 06-9926.04
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By *Helmut A. Meier*
Miami Dade Product Control
Division

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

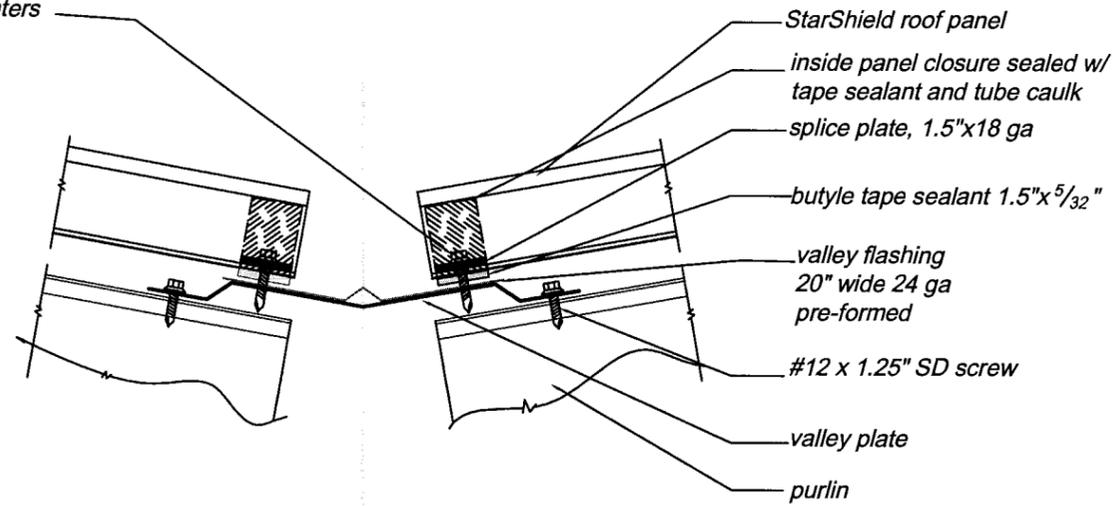
NOT TO SCALE

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

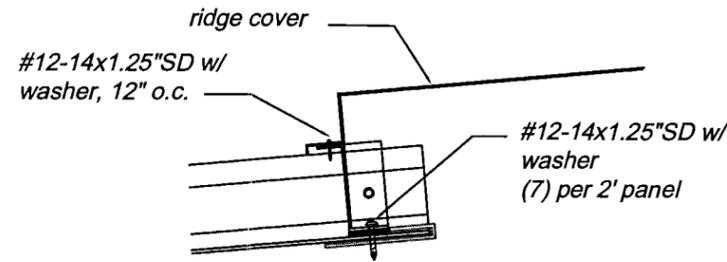
Title:
StarShield Roof System

DRAWING NO.
S/S 010529
St 2 of 3

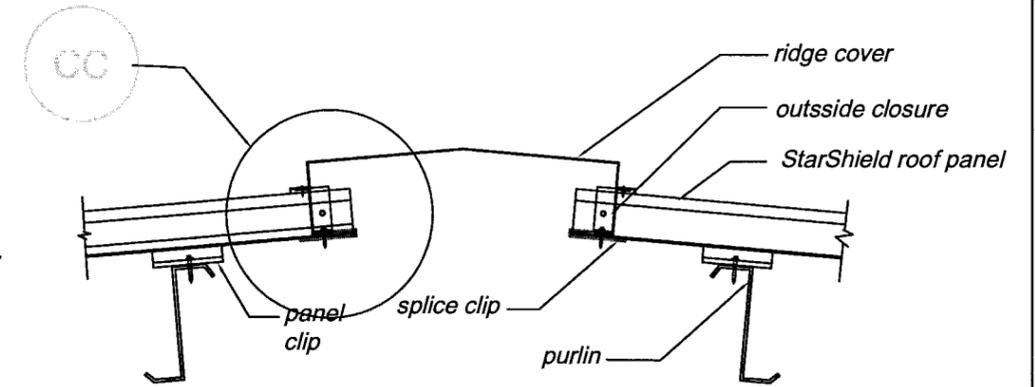
#12-14x 1.25" SD hex head screws w/ epdm seal washer placed thru the splice plate on 4" centers



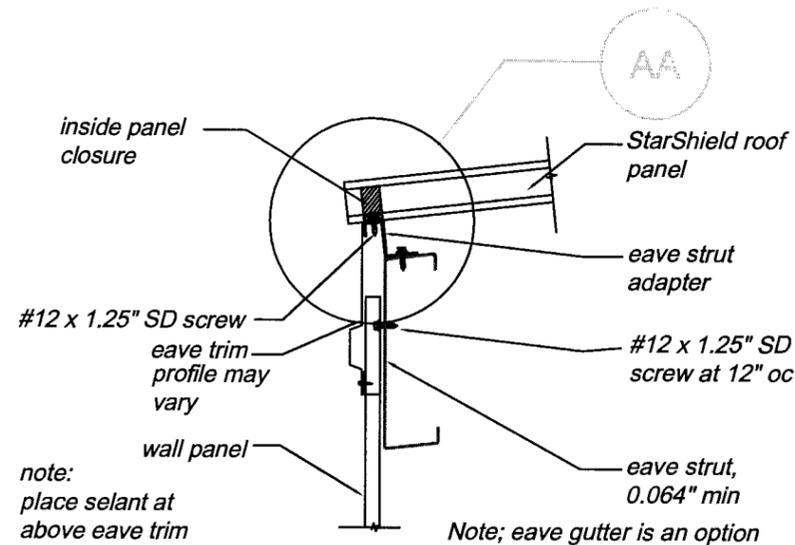
VALLEY SECTION



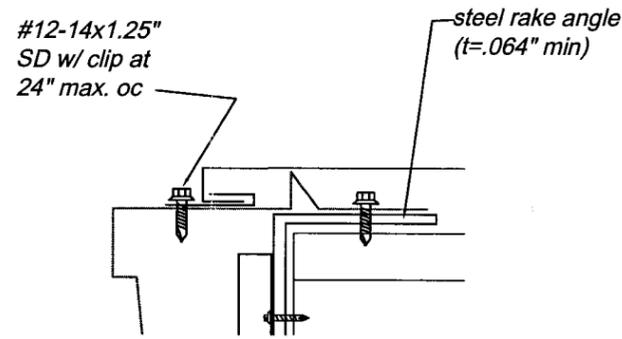
DETAIL CC



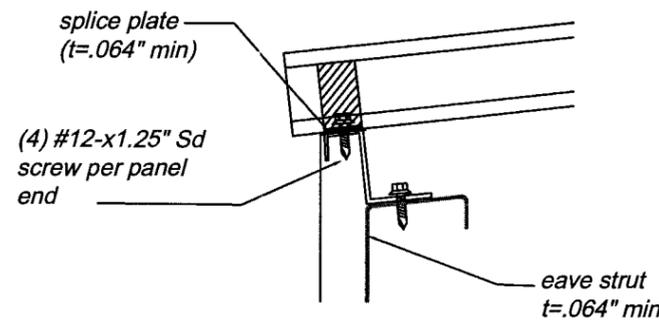
RIDGE DETAIL



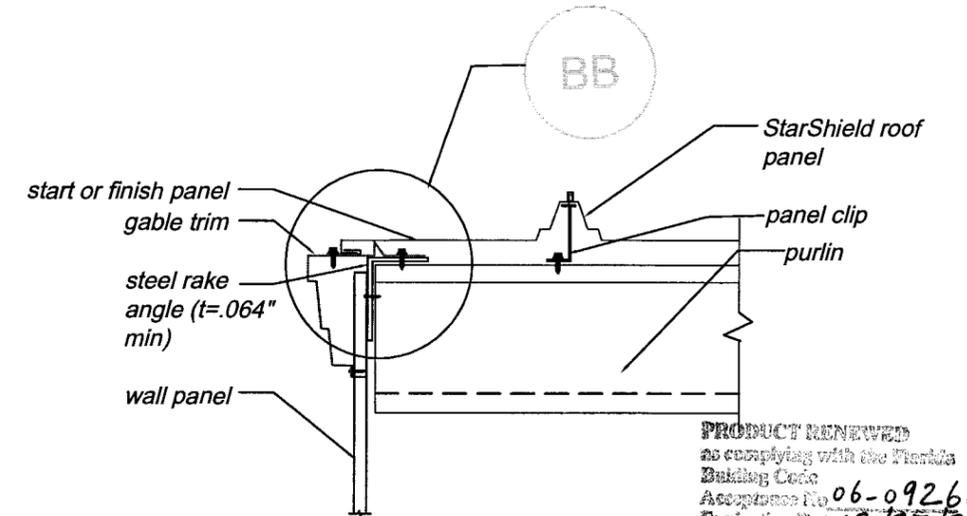
EAVE DETAIL



DETAIL BB



DETAIL AA



GABLE DETAIL

PRODUCT REVIEWED as complying with the Florida Building Code
 Acceptance No. 06-0926.04
 Expiration Date 12/29/2011
 By Helmut A. Mahr
 Miami Dade Technical Control Division

Handwritten signature and date: 11/28/01

Star Building Systems
 A Robertson Ceko 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 Helmut A. Mahr
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0711-01

11-28-01		KK	eave, gable, ridge, valley detail. file: Dade SS 010529 A			 STAR BUILDING SYSTEMS A RobertsonCeko Company	DRAWING NO. S/S 010529 St3 of 3
			general revision, added (3) details				
				CHECKED	DATE		
				KK	5-29-01		
				NOT TO SCALE			

StarShield Roof System