



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

Butler Manufacturing Company
13500 Botts Road
Grandview ,MO 64030

Your application for Notice of Acceptance (NOA) of:

Butlerib II 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.: 00-0503.03
EXPIRES: 02/04/2003

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: 10/12/2000

Butler Manufacturing Company

ACCEPTANCE No. : 00-0503.03

APPROVED : 10/12/2000

EXPIRES : 02/04/2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This revises the Notice of Acceptance no. 99-0816.09, which was issued on February 4, 2000. It approves a 24 gauge Galvalume Steel "Butlerib II" 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 24 gauge Galvalume Steel "Butlerib II" Roof Panel and its components shall be constructed in strict compliance with the following documents: Drawing No. B, sheets 1 through 5 of 5, prepared by Suresh C. Satsangi, P.E., dated November 9, 1999, last revision #1 dated April 27, 2000, signed and sealed by Suresh C. Satsangi, P.E., 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 24 gauge Galvalume Steel "Butlerib II" 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".

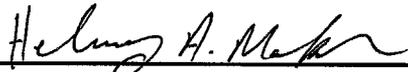
6. BUILDING PERMIT REQUIREMENTS

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

Butler Manufacturing Company

ACCEPTANCE No. : 00-0503.03

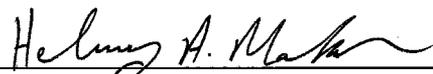
APPROVED : 10/12/2000

EXPIRES : 02/04/2003

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.

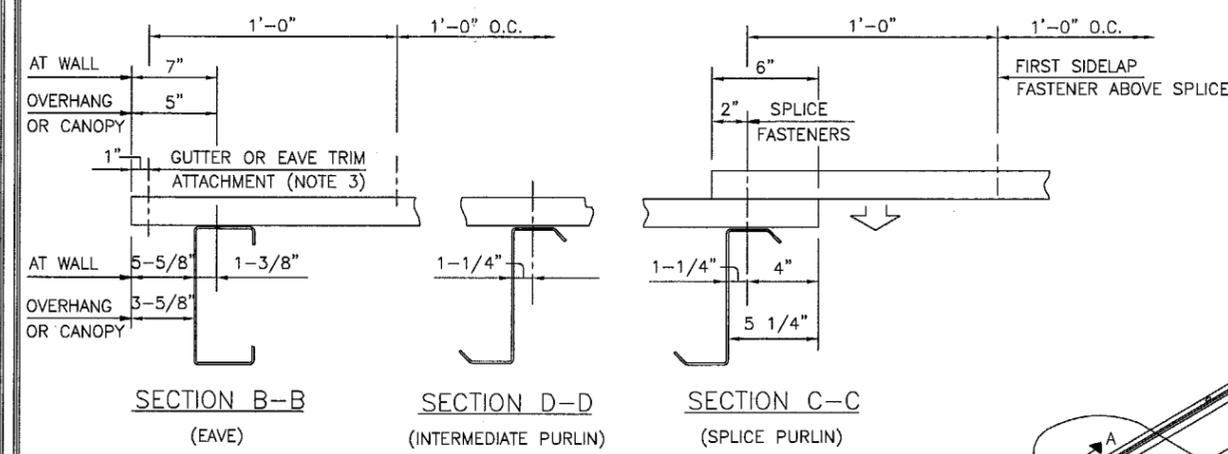
END OF THIS ACCEPTANCE



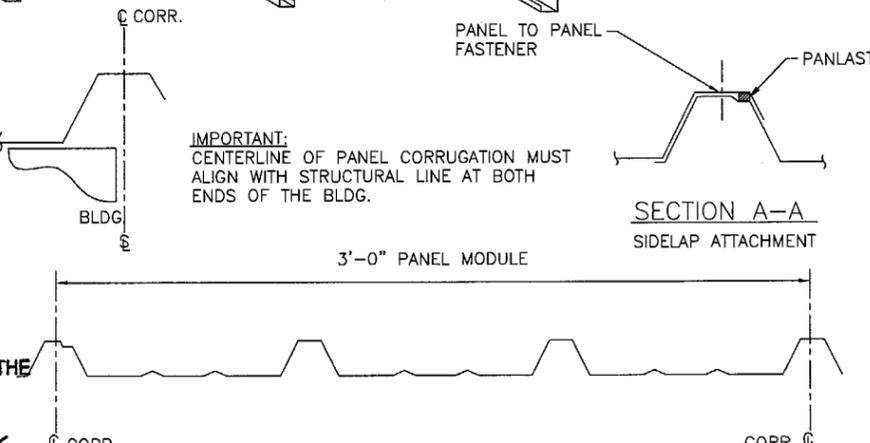
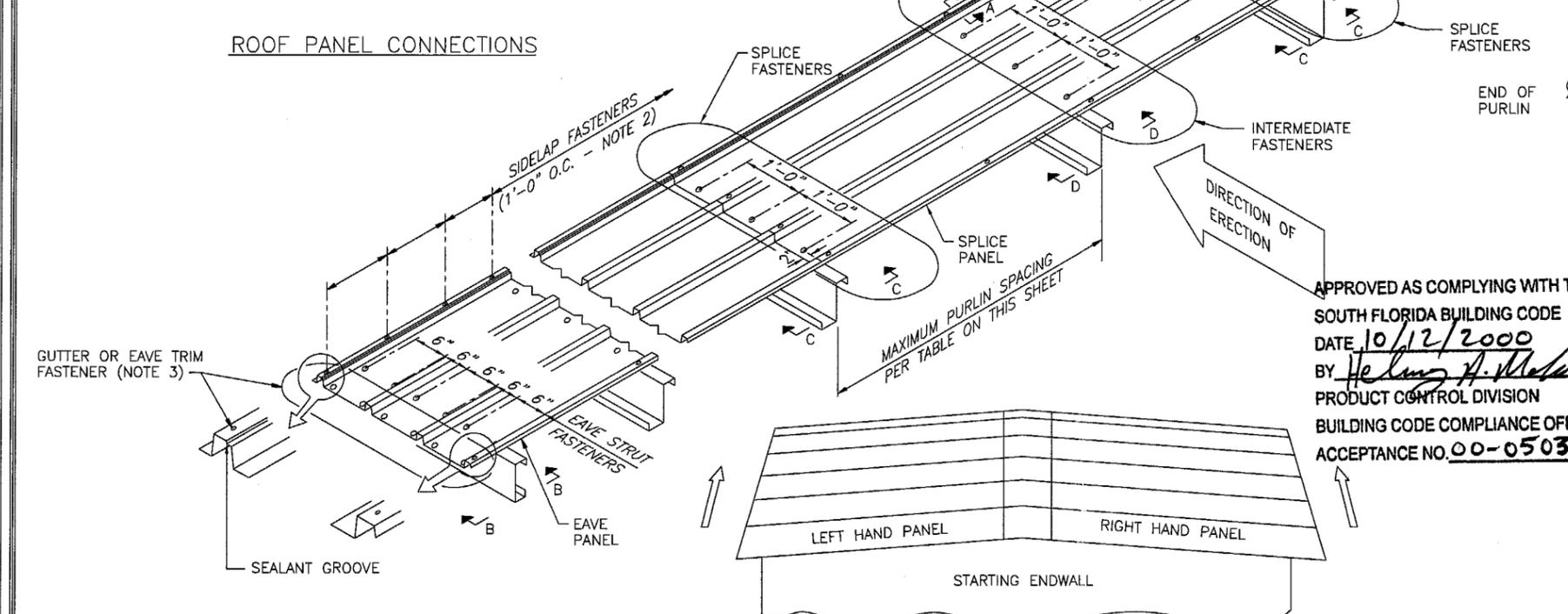
Helmy A. Makar, P.E.- Product Control Examiner
Product Control Division

WARNING
 PANELS WITH PROTECTIVE OIL COATINGS ARE SLIPPERY, PROCEED WITH CAUTION. WIPE CLEAN IF NECESSARY.

Revised 8/15/00



ROOF PANEL CONNECTIONS



APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE 10/12/2000 BY *Heung H. Mak* PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 00-0503.031

GENERAL NOTES:

1. THIS STRUCTURAL ROOF PANEL SHALL BE DESIGNED IN ACCORDANCE WITH THE MIAMI-DADE COUNTY, 1994 EDITION OF THE SOUTH FLORIDA BUILDING CODE.
2. ALL BUTLERIB II ROOF PANELS SHALL BE 24 GAUGE SHEET STEEL CONFORMING TO ASTM A 792, COATING DESIGNATION AZ55, WITH A MINIMUM FY=50KSI.
3. THIS 24 GAUGE BUTLERIB II ROOF PANEL SHALL BE SUPPORTED ON METAL MEMBERS WITH A 0.060" MINIMUM THICKNESS.
4. VALLEY ASSEMBLY IS NOT ALLOWED IN THIS ROOF PANEL ASSEMBLY.
5. THIS 24 GAUGE BUTLERIB II ROOF PANEL SHALL BE USED FOR ROOF CONSTRUCTION. EVERY ROOF PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE APPROVED DRAWINGS, INCLUDING:
 - DETAILS OF ALL PANEL CHARACTERISTICS AND SECTIONS WITH DIMENSIONS AND THICKNESS.
 - ASSEMBLY DETAILS INCLUDING ALL CONNECTIONS AND FASTENER DIAGRAMS WITH SIZE AND LOCATION.
 - PANEL'S MAXIMUM SPAN AND PRESSURE FOR THE ROOF'S FIELD, PERIMETER, AND CORNER ZONES BASED ON THE PANEL'S ALLOWABLES SHOWN ON THIS SHEET.

FOR PROPER END LAPPING OF PANEL, THE PANELS ARE LAID, ONE ROW AT A TIME, INCLUDING THE RIDGE CAP, COMPLETELY ACROSS THE BLDG. WIDTH. ROOF PANELING AND SEALING DRAWING 102961.

INSTALLATION NOTES:

1. PANELS ARE INSTALLED WITH SEALANT GROOVE FORWARD TOWARD THE DIRECTION OF ERECTION, WITH THE SEALANT GROOVE CONTINUOUS FROM EAVE TO EAVE. LOOKING AT STARTING ENDWALL FROM OUTSIDE OF BUILDING THIS MAKES LEFT HAND PANELS ON LEFT SIDE OF BUILDING AND RIGHT HAND PANELS ON RIGHT SIDE OF BUILDING. SEE DIRECTION OF ERECTION DETAIL AND DWG 102961.
2. LOCATE SIDELAP FASTENERS 1'-0" ON CENTER. SEE IMPORTANT SIDELAP FASTENER LOCATIONS NOTE.
3. THE INTERIOR EAVE STRUT STRUCTURAL FASTENERS ARE THE SAME SPACING AS THE INTERMEDIATE PURLINS. INTERIOR EAVE STRUTS ARE LOCATED BETWEEN BUILDING AND WX, CANOPY OR OVERHANG.

FASTENER SCHEDULE

LOCATION	PART NO.	DESCRIPTION
PANEL TO STRUCTURAL	097196	3/8"x1" SCRUBOLT
PANEL TO PANEL	097357	#14-14x1 1/4 SDS

IMPORTANT - SIDELAP FASTENER LOCATIONS:
 IT IS EXTREMELY IMPORTANT TO FIELD LOCATE SIDELAP FASTENERS STARTING AT THE LOW END OF BRII ROOF PANELS AS FOLLOWS, OTHERWISE IT COULD CREATE A FASTENER SHORTAGE.

EAVE PANEL WITH GUTTER OR EAVE TRIM: START SIDELAP FASTENERS 1'-0" ABOVE GUTTER OR EAVE TRIM ATTACHMENT HOLES.

EAVE PANEL WITH UNTRIMMED EAVE:
PUNCHED PANELS: INSTALL LOCK-RIVET IN FACTORY PUNCHED HOLE AT LOW END OF EAVE PANEL. START SIDELAP FASTENERS 1'-0" FROM LOCK-RIVET LOCATION.
UNPUNCHED PANELS: START SIDELAP FASTENERS 1" FROM LOW END OF EAVE PANEL.

SPLICE PANEL: START SIDELAP FASTENERS 1'-0" ABOVE SPLICE FASTENERS.

RIDGE PANEL: INSTALL ONE SIDELAP FASTENER 6" ABOVE SPLICE FASTENERS.

PURLIN SPACING

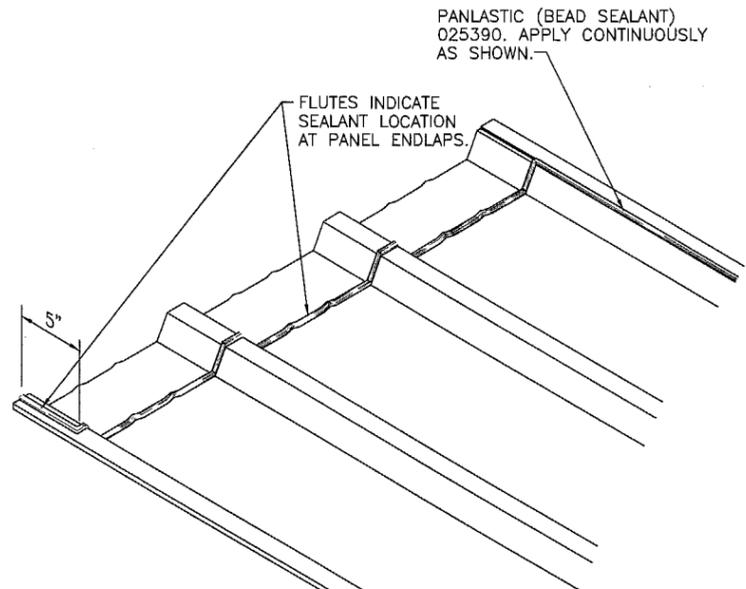
ROOF ZONE	MAXIMUM PURLIN SPACING	MAX. UPLIFT PRESSURE
FIELD (INTERIOR)	3'-6"	55.2 PSF
EDGE	2'-6"	95.4 PSF
CORNER	2'-2"	142.2 PSF

REVISION NUMBER 1
 DATE 11/09/99
 DRAWN JRS
 CHKD M/JH
 DATE 04/27/00
 REVISED PURLIN SPACING AND UPLIFT PRESSURE
 DRWN CHKD JRS
 M/JH

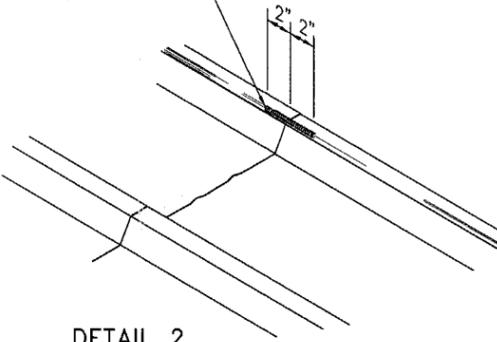
GROUP 04-030-06
 DRAWING NUMBER B 1081389
 REV. 01

BUTLERIB II BUTLERIB II PANEL INSTALLATION DADE COUNTY FLORIDA ALL BUILDINGS

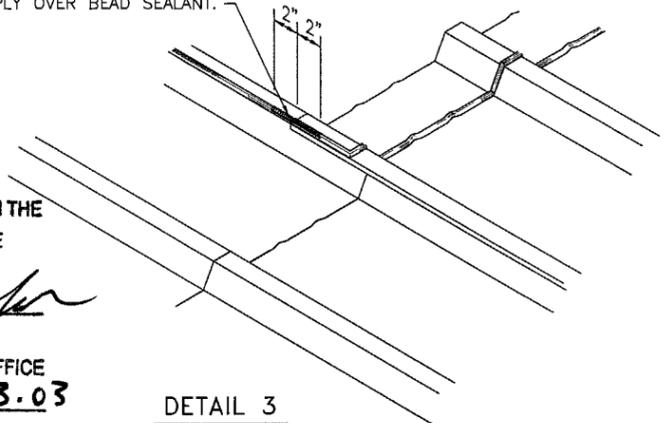
BUTLER BUTLER MANUFACTURING COMPANY DATE 04/27/00 GROUP 04-030-06 DRAWING NUMBER B 1081389 REV. 01



INSTALL 0'-4" OF PANLASTIC (CARTRIDGE TYPE) 025392 AT EACH PANEL TO PANEL END LAP. APPLY OVER BEAD SEALANT.

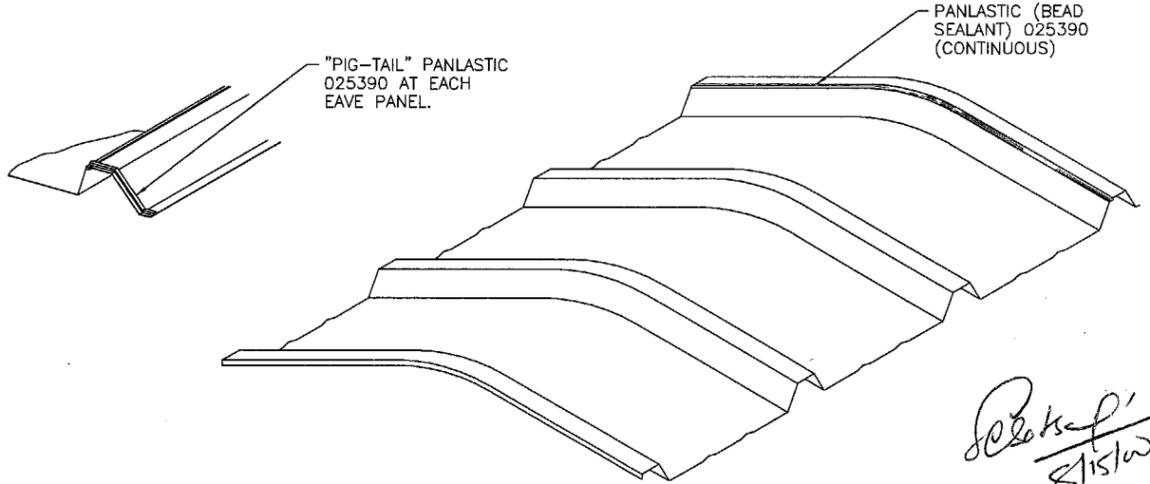
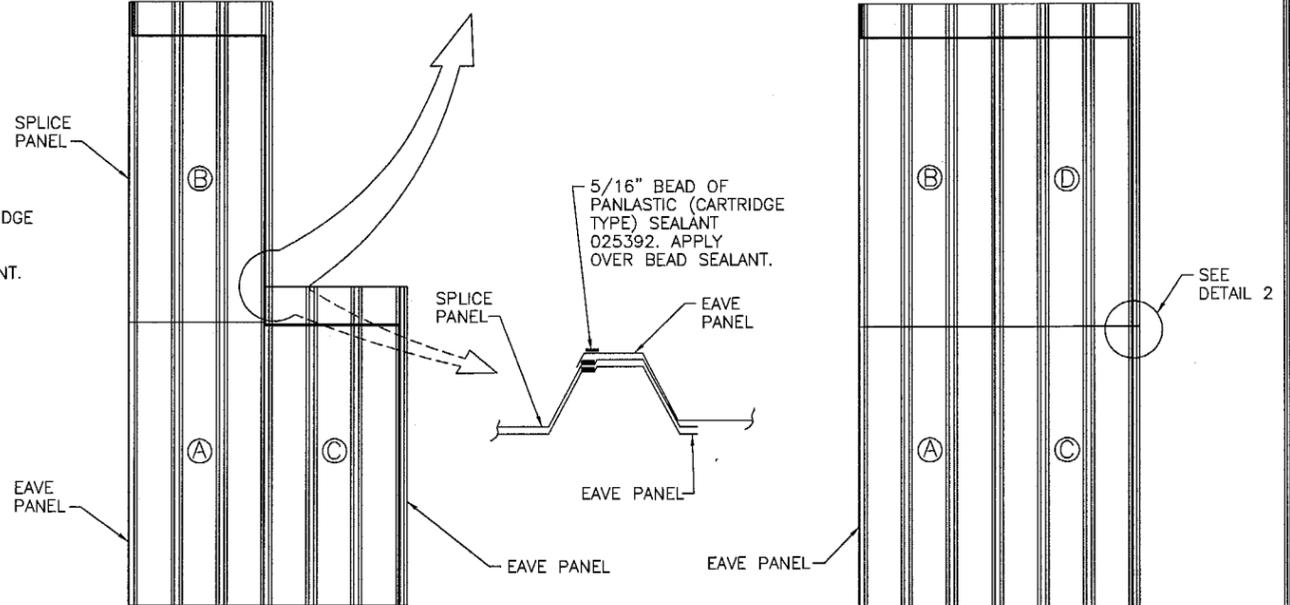
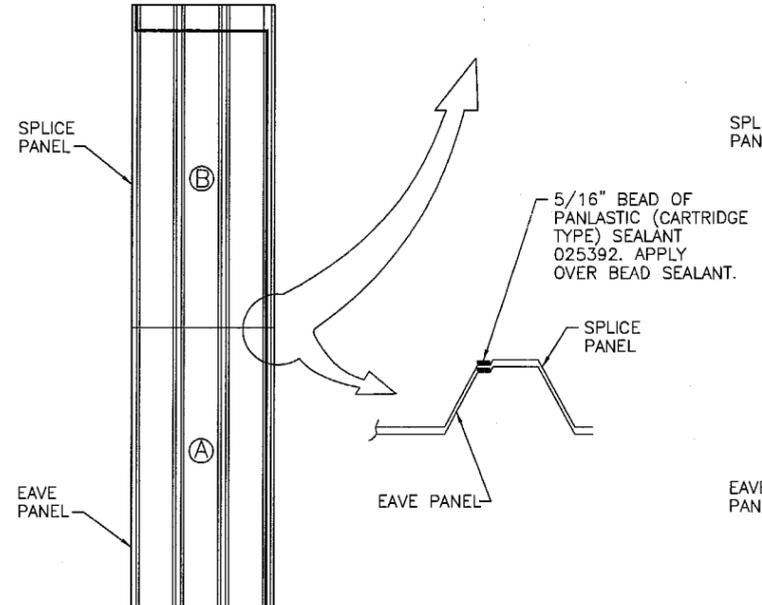
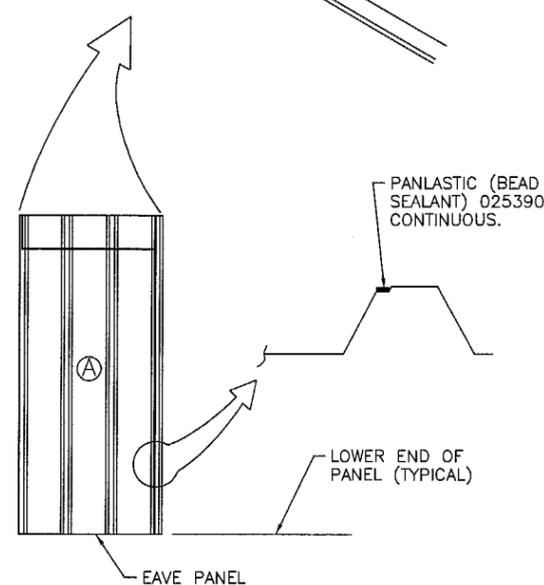


INSTALL 0'-4" OF PANLASTIC (CARTRIDGE TYPE) 025392 AT EACH PANEL TO PANEL END LAP. APPLY OVER BEAD SEALANT.



APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE 10/12/2000
 BY *William H. Miller*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0503.03

DETAIL 1



PANLASTIC APPLICATION TO RIDGE PANEL

WARNING
 Panels with protective coatings are slippery, proceed with caution wipe clean if necessary.

CAUTION
 PANELS MUST BE CLEAN, DRY, AND FREE OF OIL BEFORE APPLYING THE PANLASTIC. AT TEMPERATURES BELOW 40° F THE PANLASTIC IS MORE RESISTANT TO COMPRESSION. SPECIAL CARE SHOULD BE TAKEN TO ASSURE THAT THE PANELS ARE CLOSELY NESTED.

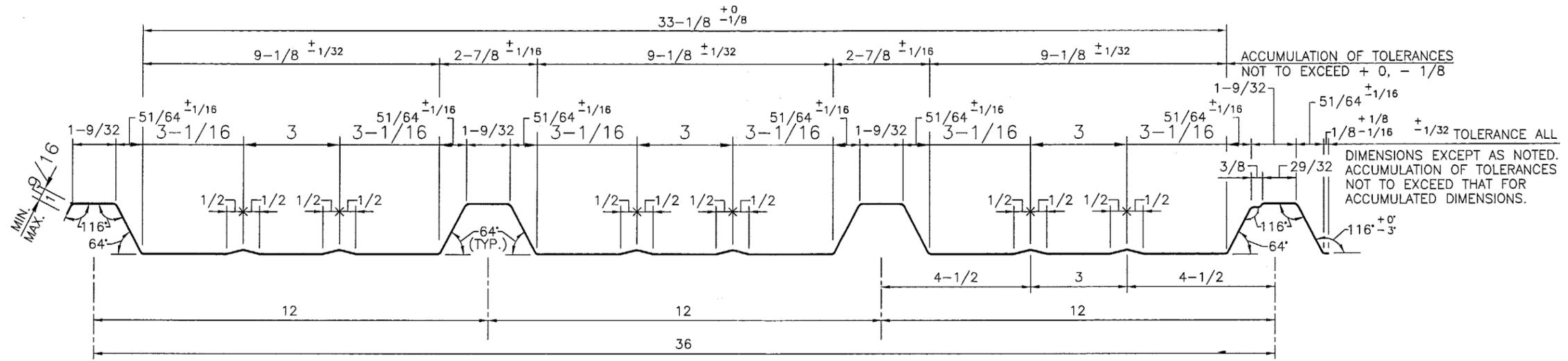
APPLICATION OF PANLASTIC
 INSTALL PANLASTIC TO THE IN-PLACE PANEL AS SHOWN---PAPER BACKING TO THE "UP" SIDE.
 RUN THE FINGERS LIGHTLY OVER THE PAPER BACKING TO ADHERE THE PANLASTIC TO THE PANEL.
 REMOVE THE PAPER BACKING BEFORE INSTALLING THE OVERLAPPING PANEL OR APPLYING THE GUN GRADE SEALANT AT THE 4 LAP CONDITION. STRIP THE PAPER BY STARTING AT ONE END AND PULL BACK---NOT UP.
 ALIGN THE OVERLAPPING PANEL AS CLOSELY AS POSSIBLE TO FINAL POSITION BEFORE LETTING IT TOUCH THE PANLASTIC ON THE PREVIOUSLY INSTALLED PANEL.

Patrick
 8/15/00

FIRST RELEASE DATE	11/09/99
DRAWN	CHKD
JRS	MJH

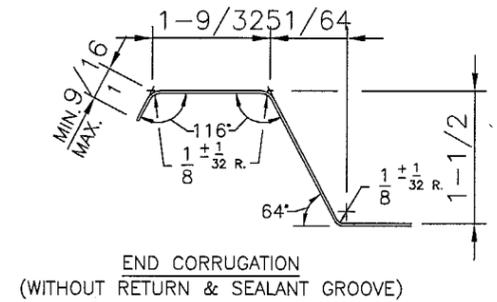
GROUP	DRAWING NUMBER	REV.
04-030-06	B 1081390	00

BUTLER II	BR II ROOF PANELING & SEALING DADE COUNTY FLORIDA	ALL BUILDINGS
BUTLER MANUFACTURING COMPANY	DATE 11/09/99 GROUP 04-030-06	DRAWING NUMBER B 1081390 00

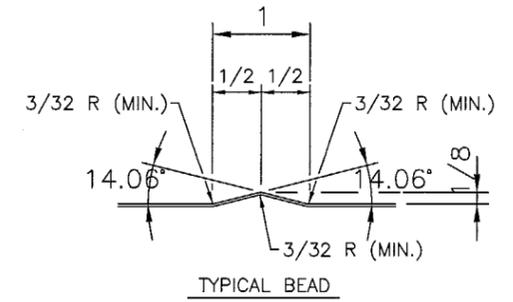


ACCUMULATION OF TOLERANCES
NOT TO EXCEED + 0, - 1/8
TOLERANCE ALL
DIMENSIONS EXCEPT AS NOTED.
ACCUMULATION OF TOLERANCES
NOT TO EXCEED THAT FOR
ACCUMULATED DIMENSIONS.

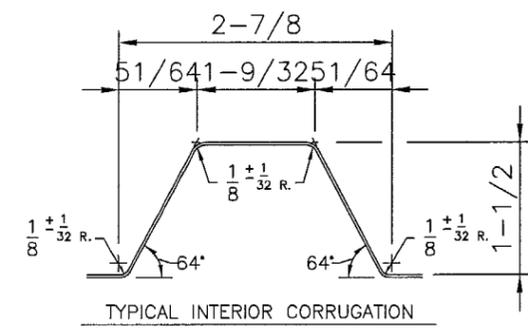
CROSS SECTION



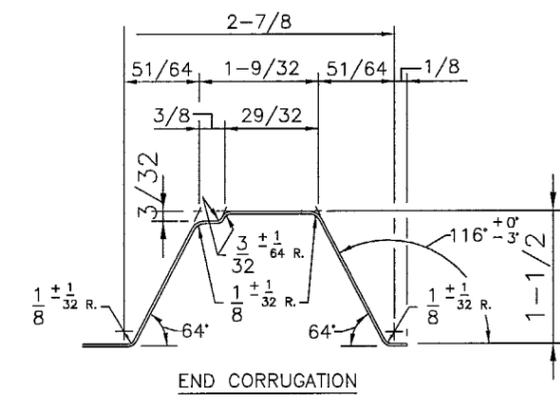
END CORRUGATION
(WITHOUT RETURN & SEALANT GROOVE)



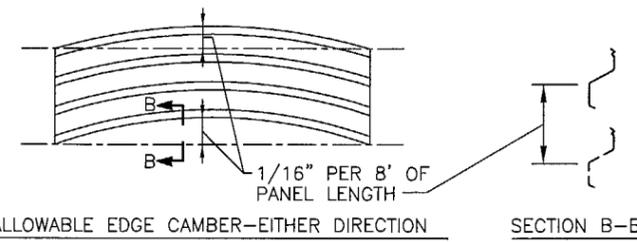
TYPICAL BEAD



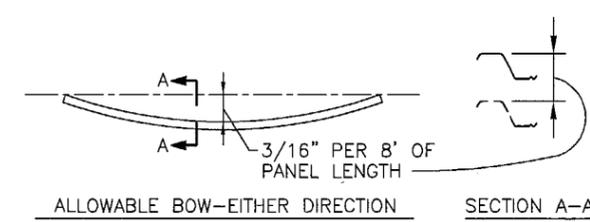
TYPICAL INTERIOR CORRUGATION



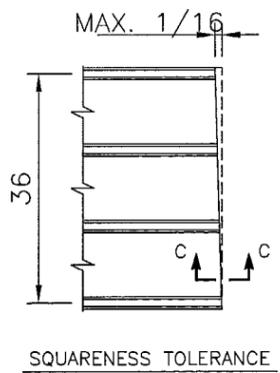
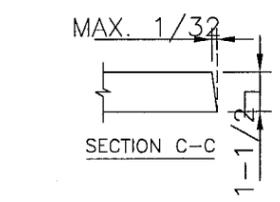
END CORRUGATION



ALLOWABLE EDGE CAMBER—EITHER DIRECTION
FOR PANELS WITH OUTSIDE CORRUGATIONS,
CAMBERED IN OPPOSITE DIRECTIONS, THE TOTAL
IS NOT TO EXCEED 1/16" PER 8' PANEL LENGTH.



ALLOWABLE BOW—EITHER DIRECTION



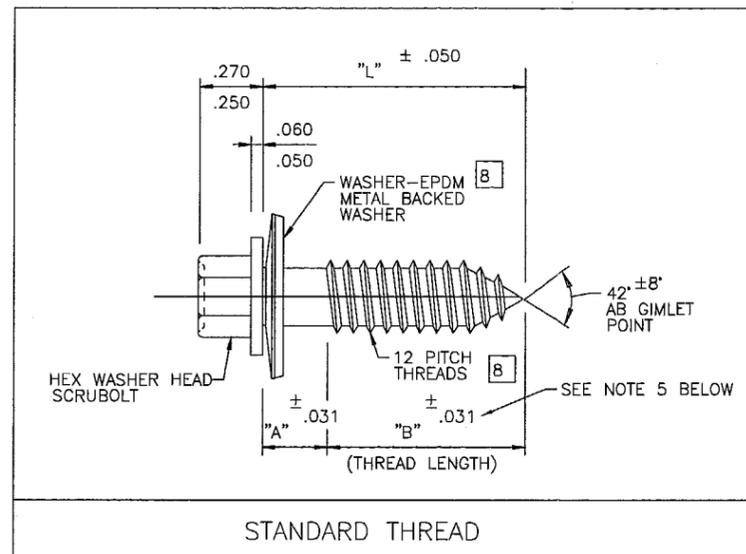
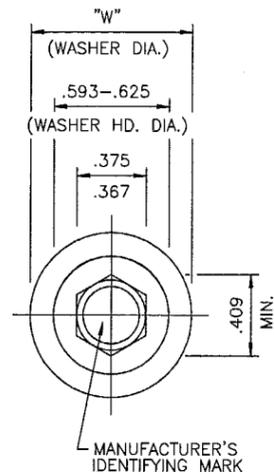
SQUARENESS TOLERANCE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 10/12/2000
BY *Heung H. Ma*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0503.03

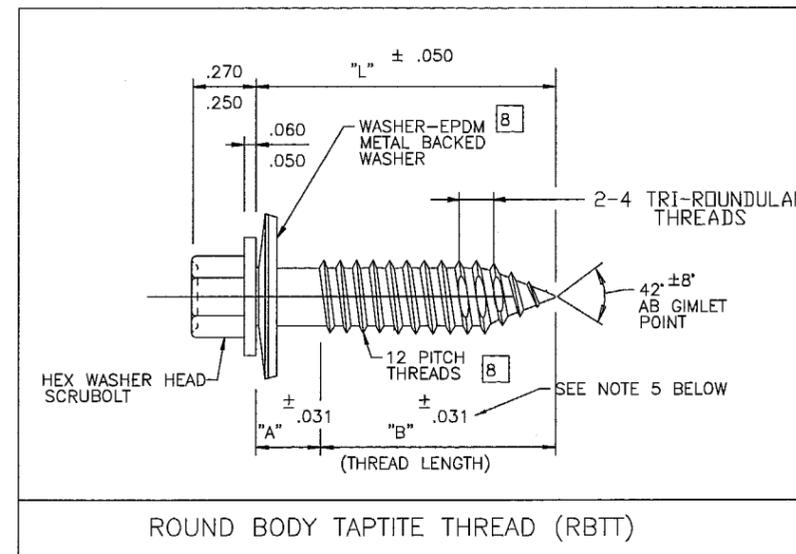
FIRST RELEASE
DATE 11/09/99
DRAWN JRS
CHKD M.J.H.

GROUP 04-030-06
DRAWING NUMBER B 1081391
REV. 00

BUTLER II BUTLER II ROOF PANEL ALL BUILDINGS
DADE COUNTY FLORIDA
BUTLER MANUFACTURING COMPANY
DATE 11/09/99
DRAWING NUMBER B 1081391
GROUP 04-030-06
REV. 00



STANDARD THREAD



ROUND BODY TAPTITE THREAD (RBTT)

THESE FASTENERS ARE FOR PANEL TO STRUCTURE CONNECTIONS

ASSEMBLY		SCRUBOLT WITHOUT WASHER							METAL BACKED RUBBER WASHER		
PART NO.	WEIGHT	SCRUBOLT PART NO.	MATERIAL	NOMINAL SIZE	"L"	"A"	"B"	THREAD TYPE	WASHER PART NO.	"W"	WASHER DWG. NO.
095984	0.031	095304	SS NOTE 1	11/32 X 7/8	.875	SEE NOTE 5	.875	RBTT	097436	.729	095016
096865	0.031	096863	ST. NOTE 2	11/32 X 7/8	.875	SEE NOTE 5	.875	STANDARD	097384	.563	095016
096866	0.043	096864	ST. NOTE 2	11/32 X 1 1/2	1.50	SEE NOTE 5	1.500	STANDARD	097384	.563	095016
096902	0.034	096863	ST. NOTE 2	11/32 X 7/8	.875	SEE NOTE 5	.875	STANDARD	095349	.729	095016
096932	0.038	096930	ST. NOTE 2	11/32 X 1 1/4	1.25	SEE NOTE 5	1.250	STANDARD	095349	.729	095016
096933	0.077	096931	ST. NOTE 2	11/32 X 2 3/4	2.75	.750	2.00	STANDARD	095016	1.00	095016
097104	0.039	097103	SS NOTE 1	11/32 X 1 1/4	1.25	SEE NOTE 5	1.250	RBTT	097436	.729	095016
097196	0.039	097195	ST. NOTE 3	3/8 X 1	1.00	SEE NOTE 5	1.00	RBTT	095154	.729	095016
097222	0.055	097221	ST. NOTE 2	11/32 X 2	2.00	.187	1.813	STANDARD	095016	1.00	095016
097235	0.048	097221	ST. NOTE 2	11/32 X 2	2.00	.187	1.813	STANDARD	097384	.563	095016
097264	0.074	096931	ST. NOTE 2	11/32 X 2 3/4	2.75	.750	2.00	STANDARD	097384	.563	095016
097270	0.060	097268	ST. NOTE 3	3/8 X 2 1/4	2.25	.250	2.00	RBTT	095154	.729	095016
097271	0.086	097269	ST. NOTE 3	3/8 X 3 1/2	3.50	.500	3.00	RBTT	095154	.729	095016
097273	0.077	097272	ST. NOTE 2	11/32 X 3 1/2	3.50	.500	3.00	STANDARD	095349	.729	095016
097292	0.125	097291	ST. NOTE 3	3/8 X 5	5.00	2.000	3.00	RBTT	095154	.729	095016
097294	0.113	097293	ST. NOTE 2	11/32 X 5	5.00	2.000	3.00	STANDARD	095349	.729	095016
097298	0.145	097297	ST. NOTE 3	3/8 X 6	6.00	3.000	3.00	RBTT	095154	.729	095016
097420	0.157	097419	ST. NOTE 2	11/32 X 6	6.00	3.000	3.00	STANDARD	095349	.729	095016

SEE NOTE 6

MATERIALS:

1. 410 STAINLESS W/CLEAR CHROMATE, BMC EMS 10,073
2. CARBON STEEL W/YELLOW CHROMATE - BMC EMS 10,073 (LATEST REVISION)
3. SAME AS 2. ABOVE EXCEPT GREEN DYE APPLIED
4. WASHER SPEC. AND DIMENSIONS - SEE DWG 095016

SCRUBOLT WITH FULL THREADS:

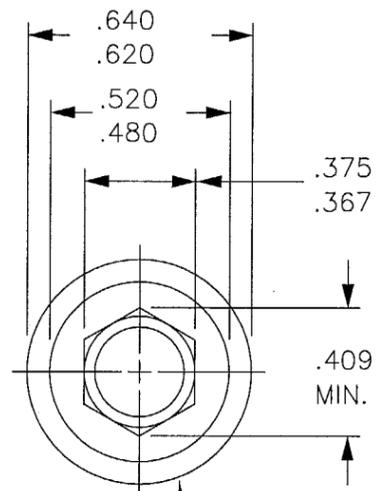
5. FULL THREAD TO WITHIN 1 THREAD OF HEAD & SHANK JUNCTURE.
6. 3" THREAD LENGTH
HAS A ± .050 TOLERANCE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 10/12/2000
BY *Helmut H. Mohr*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0503.03

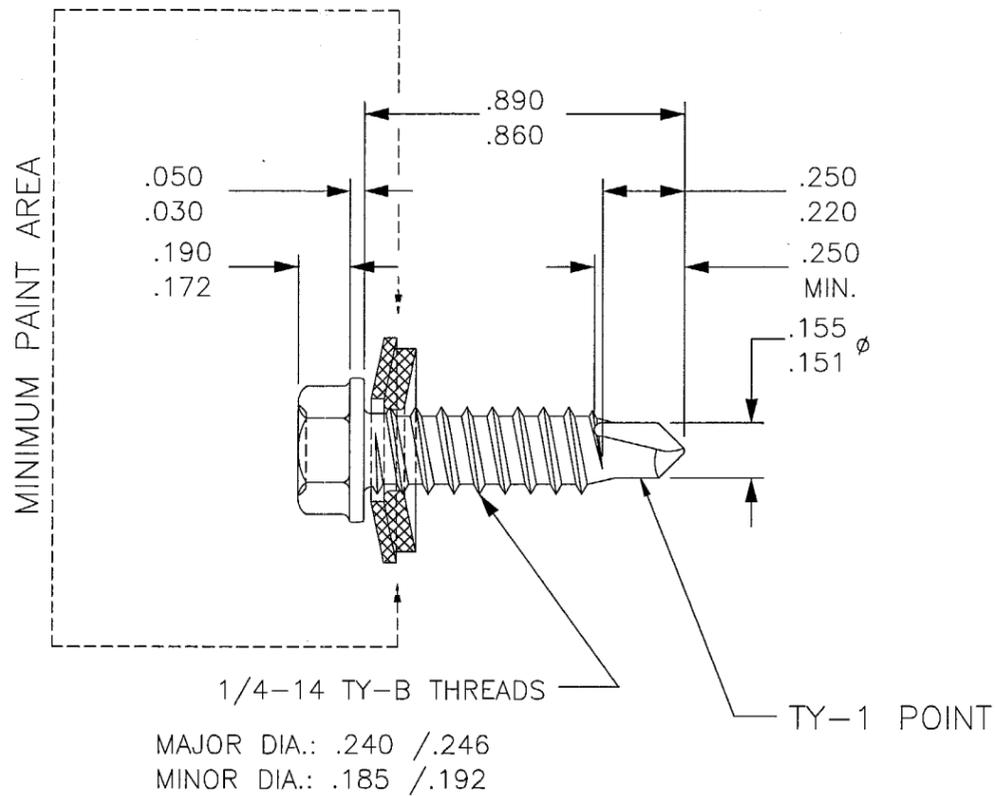
See k-p / 8/15/00

FIRST RELEASE DATE 11/09/99 DRAWN JRS CHKD MJH	GROUP 04-030-06	DRAWING NUMBER B 1081392	REV. 00	BUTLER II	HEX HEAD SCRUBOLTS DADE COUNTY FLORIDA	ALL BUILDINGS
	BUTLER MANUFACTURING COMPANY		DATE 11/09/99 GROUP 04-030-06	DRAWING NUMBER B 1081392	REV. 00	

MATERIAL: SELF-DRILL SCREW - CARBON W/CLEAR CHROMATE - EMS 10,197
 WASHER - GALV./RUBBER - EMS 10,023
 PAINT - 1.0 MIL MINIMUM DFT - S-W POLANE OR APPROVED EQUAL



GALV./RUBBER WASHER (096217)
 SEE DWG. 095016.



MAJOR DIA.: .240 / .246
 MINOR DIA.: .185 / .192

THIS FASTENER IS FOR PANEL TO PANEL CONNECTIONS

Resik P. 2/15/00

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE 10/12/2000
 BY Heather A. M...
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0503.03

SHEET 5 OF 5

FIRST RELEASE DATE 11/09/99 DRAWN JRS CHKD MJH	GROUP 04-030-06	DRAWING NUMBER B 1081393	REV. 00	BUTLER II	SELF DRILLING SCREW-MINI POINT DADE COUNTY FLORIDA	ALL BUILDINGS
	BUTLER MANUFACTURING COMPANY			DATE 11/09/99	DRAWING NUMBER B 1081393	REV. 00