



**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.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

**Metl-Span I, Ltd.
1497 N. Kealy
Lewisville, Texas 75057**

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: Metl-Span III CF- 42 & Tuff Wall Panel

APPROVAL DOCUMENT: Drawing No. C1409, titled "CF – 42 & Tuff Wall Panel ", sheets 1 and 2 of 2, prepared by Pala Sockalingam, Ph.D., P.E., dated August 19, 2005, latest revision A, dated April 17, 2006, signed and sealed by Pala Sockalingam, 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 #05-0830.03** 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
04/10/2008

**NOA No. 08-0206.08
Expiration Date: 03/06/2013
Approval Date: 04/10/2008**

Metl-Span I, Ltd.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #02-1107.01

A. DRAWINGS

1. *Drawing No. 1180, titled "CF - 42 Wall Panel", sheets 1 and 2 of 2, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated October 31, 2002, signed and sealed by Warren W. Schaefer, P.E.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test on Metl-Span CF - 42 Wall Panel System, prepared by Hurricane Test Laboratory, Inc., Report No. 0308-0708-02, dated October 04, 2002, signed and sealed by Vinu J. Abraham, P.E.*

C. CALCULATIONS

1. *Calculations titled "Metl-Span CF - 42 Wall Panel System", dated October 30, 2002, pages 1 through 3 of 3, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. on November 01, 2002.*
2. *Calculations titled "Metl-Span CF - 42 Wall Panel System", dated October 30, 2002, pages 1 through 3 of 3, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. on February 06, 2003.*

D. MATERIAL CERTIFICATIONS

1. *Tensile Test Report No. 21M-1066, prepared by QC Metallurgical, Inc., dated September 25, 2002, signed and sealed by Frank E. Grate, P.E.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0118.02

A. DRAWINGS

1. *Drawing No. 1180, titled "CF - 42 & Tuff Wall Panel", sheets 1 and 2 of 2, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 10/31/2002, latest revision A1, dated 01/13/05 signed and sealed by Warren W. Schaefer, P.E.*

B. TESTS

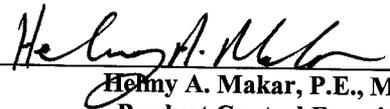
1. *Test report on Surface Burning Characteristics, on Metl-Span Tuff Wall Panel System, prepared by Omega Point Laboratories, Report No. 16982-120565, dated August 30, 2004, signed and sealed by John W. Dougherty, P.E.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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



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

Product Control Examiner

NOA No. 08-0206.08

Expiration Date: 03/06/2013

Approval Date: 04/10/2008

Metl-Span I, Ltd.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. *Tensile Test Report No. 21M-1066, prepared by QC Metallurgical, Inc., dated September 25, 2002, signed and sealed by Frank E. Grate, P.E.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0830.03

A. DRAWINGS

1. *Drawing No. C1409, titled " CF - 42 & Tuff Wall Panel ", sheets 1 and 2 of 2, prepared by Pala Sockalingam, Ph.D., P.E., dated August 19, 2005, latest revision A, dated April 17, 2006, signed and sealed by Pala Sockalingam, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Calculations titled "Metl-Span CF - 42 Wall Panel System", dated August 20, 2005, 8 pages, prepared by Pala Sockalingam, Ph.D., P.E., signed and sealed by Pala Sockalingam, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

4. 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.*



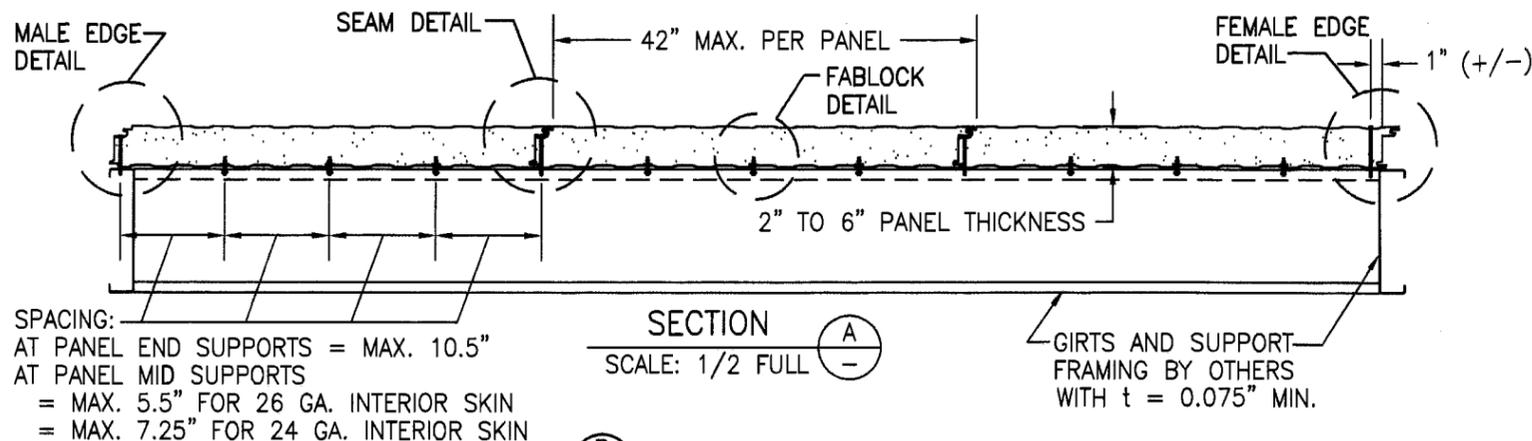
Helmy A. Makar, P.E., M.S.

Product Control Examiner

NOA No. 08-0206.08

Expiration Date: 03/06/2013

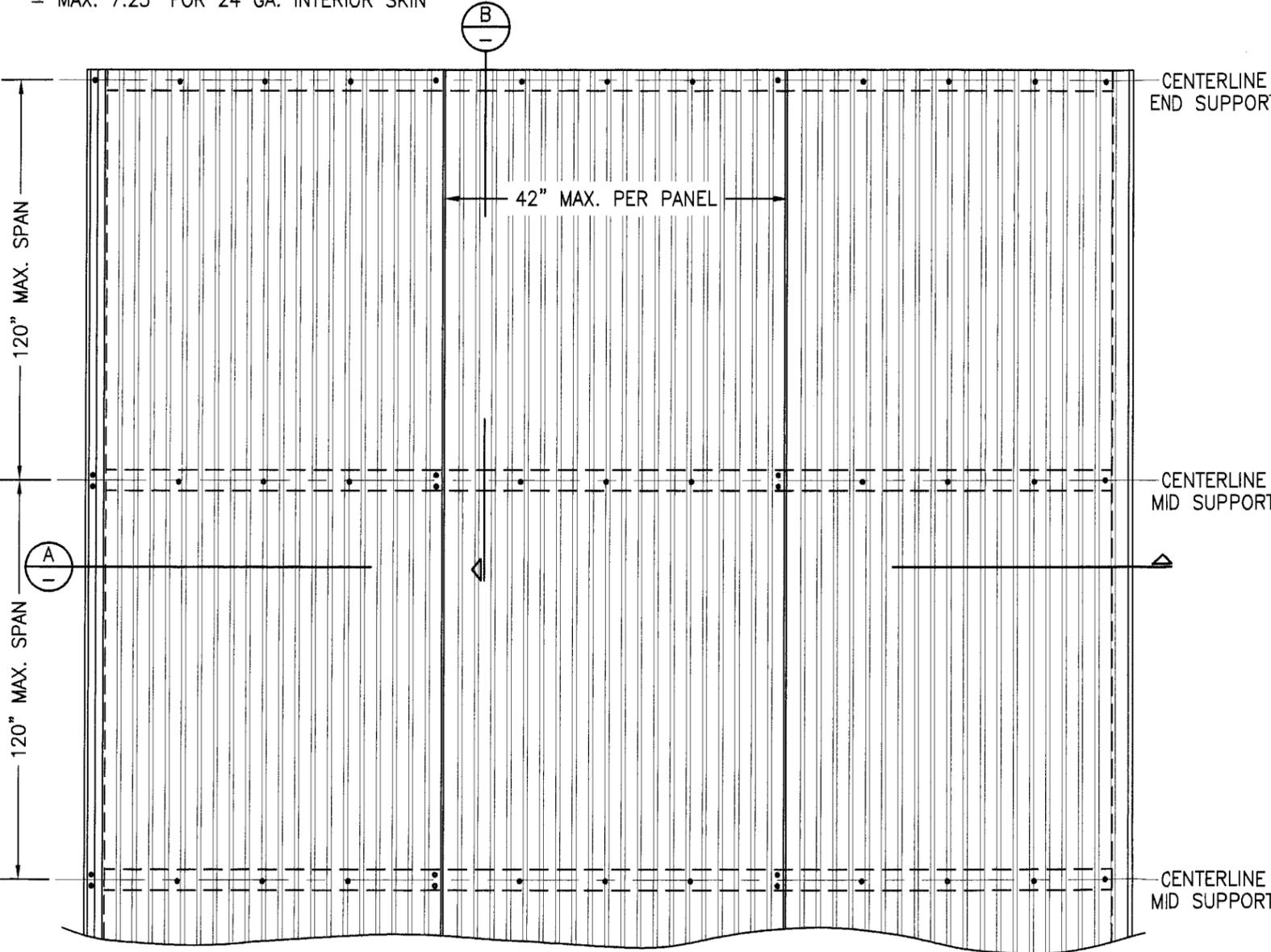
Approval Date: 04/10/2008



SPACING:
 AT PANEL END SUPPORTS = MAX. 10.5"
 AT PANEL MID SUPPORTS
 = MAX. 5.5" FOR 26 GA. INTERIOR SKIN
 = MAX. 7.25" FOR 24 GA. INTERIOR SKIN

SECTION A
 SCALE: 1/2 FULL

GIRTS AND SUPPORT FRAMING BY OTHERS WITH $t = 0.075"$ MIN.



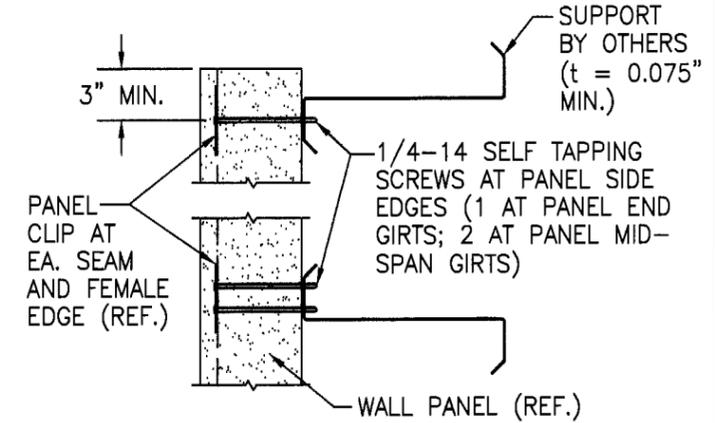
TYPICAL EXTERIOR WALL ELEVATION

PRODUCT APPROVAL IS LIMITED TO THE WALL PANEL & ITS CONNECTING CLIPS. THE STRUCTURAL ADEQUACY OF ALL OTHER STRUCTURAL ITEMS (BEAMS, COLUMNS, PURLINS, FACIA SUPPORTS, CONNECTIONS OF STRUCTURE, ETC.) SHALL BE VERIFIED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT. THE WALL PANELS SHALL NOT BE DESIGNED TO ACT AS A DIAPHRAGM.

GENERAL NOTES:

1. THIS STRUCTURAL WALL PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (F.B.C).
2. ALL WALL PANELS ARE MAX 42" WIDE, CONSIST OF EXTERIOR 26 GA. ($t = 0.019"$ MIN.) AND INTERIOR 26 GA. ($t = 0.019"$ MIN) OR 24 GA. ($t = 0.0254"$ MIN) G-90 CLAD STEEL SKINS ($F_y = \text{MIN. } 38 \text{ KSI}$) COATED WITH AN EMBOSSED & PAINTED OR TUFF (STUCCO-LIKE) FINISH & ARE FOAM FILLED WITH FOAMED-IN-PLACE NON-CFC 2.0 LB/CU. FT. DENSITY POLYURETHANE. THE WALL PANELS SHALL BE INSTALLED OVER WALL STRUCTURE AS SPECIFIED ON THESE DRAWINGS.
3. THE WALL PANELS MUST BE INSTALLED OVER MIN. 2 SUPPORT SPANS. HORIZONTAL SEAMS MAY BE PRESENT AT CENTERLINE OF SUPPORTING GIRTS PROVIDING THE SEAMS ARE FLASHED & PROPERLY SEALED PER METL-SPAN SPECIFICATIONS AND EACH PANEL END IS SECURED PER THESE DRAWINGS.
4. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHEN THE REQUIRED DESIGN WIND LOADS ARE GREATER THAN THE ALLOWABLE WIND LOADS SPECIFIED ON THIS DRAWING.
5. THIS WALL PANEL SYSTEM HAS BEEN TESTED AS AN IMPACT SYSTEM IN ACCORDANCE WITH PROTOCOLS TAS-201, 202 & 203.
6. WALL PANEL MANUFACTURER'S PERMANENT LABEL SHALL BE PLACED AT THE END OF EACH PANEL RUN AND SHALL READ: METL-SPAN 1, LTD. LEWISVILLE, TEXAS DADE COUNTY PRODUCT CONTROL APPROVED
7. ALL SCREWS SHALL BE CORROSION RESISTANT SELF TAPPING SCREWS.
8. THE SUPPORTING STRUCTURE, OVER WHICH THE PANELS ARE TO BE INSTALLED, MUST BE MINIMUM 14 GAGE (MIN. 0.075") STEEL WITH MIN. $F_y = 33 \text{ KSI}$.
9. THESE WALL PANELS SHALL NOT BE CONSIDERED TO OR BE USED FOR TRANSFER OF DIAPHRAM ACTION OF WALL TO SUPPORTING STRUCTURE.

PRODUCT REVIEWED
 as complying with the Florida Building Code
 Acceptance No. 08-0206.08
 Expiration Date 03/06/2013
 By Helmy A. Matar
 Division



SECTION B
 SCALE: 1/2 FULL

PRODUCT REVIEWED
 as complying with the Florida Building Code
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 By Helmy A. Matar
 Division

ALLOWABLE PRESSURE (2 OR MORE SPANS PER PANEL)

SPAN (IN.)	ALLOWABLE PRESSURE	
	POSITIVE (PSF)	NEGATIVE (PSF)
48	70.0	90.0
54	67.1	80.0
60	64.2	72.0
66	61.2	65.5
72	58.3	60.0
78	53.8	55.4
84	50.0	51.4
90	46.7	48.0
96	43.8	45.0
102	41.2	42.4
108	38.9	40.0
114	36.8	37.9
120	35.0	35.0

ALLOWABLE PRESSURE (SINGLE SPAN PANELS)

SPAN (IN.)	ALLOWABLE PRESSURE	
	POSITIVE (PSF)	NEGATIVE (PSF)
48	64.6	76.7
54	45.4	53.9
60	33.1	39.3
66	24.9	29.5
72	19.2	22.7

DRAWN BY: B.S.	CHECKED BY: R.H.
PLOT: 1-B	DATE: 8/19/05
DATE 4.17.06	DATE 4.17.06
BY B.S.	BY B.S.
REVISION DESCRIPTION REVISED GENERAL NOTES 1 & 2	REVISION DESCRIPTION ADDRESS CHANGE
NO. A	NO. A
DRAWING TITLE CF-42 & TUFF WALL PANEL	
CONSULTANTS BALA SOCKALINGAM, PH.D., P.E.	MANUFACTURER METL-SPAN 1, LTD. 1497 N. KEALY LEWISVILLE, TX 75057 972-221-6656
CERTIFICATION 4.17.06 BALA SOCKALINGAM, P.E. P.E. NO. 62240	6717 S. YALE AVE, SUITE 200 TULSA, OK 74136 PHONE: 918-492-5992 FAX: 918-493-3568
DRAWING NO. C1409	REV. A
SHEET NO. 1 OF 2	

14 GA. G-90
STEEL PANEL CLIP
AT EA. SCREW
LOCATION

1/4-14 SELF TAPPING
SCREW WITH STANDARD
WASHER TO FULLY
PENETRATE SUPPORT
STEEL (2 PER PANEL
CLIP AT PANEL MIDSPAN
LOCATIONS & 1 PER
PANEL CLIP AT PANEL
END LOCATIONS)

SUPPORT STEEL
BY OTHERS
(t = 0.075" MIN.)

MALE EDGE DETAIL

14 GA. G-90
STEEL PANEL CLIP
AT EA. SCREW
LOCATION

1/4-14 SELF TAPPING
SCREW WITH STANDARD
WASHER TO FULLY
PENETRATE SUPPORT
STEEL (2 PER PANEL
CLIP AT PANEL MIDSPAN
LOCATIONS & 1 PER
PANEL CLIP AT PANEL
END LOCATIONS)

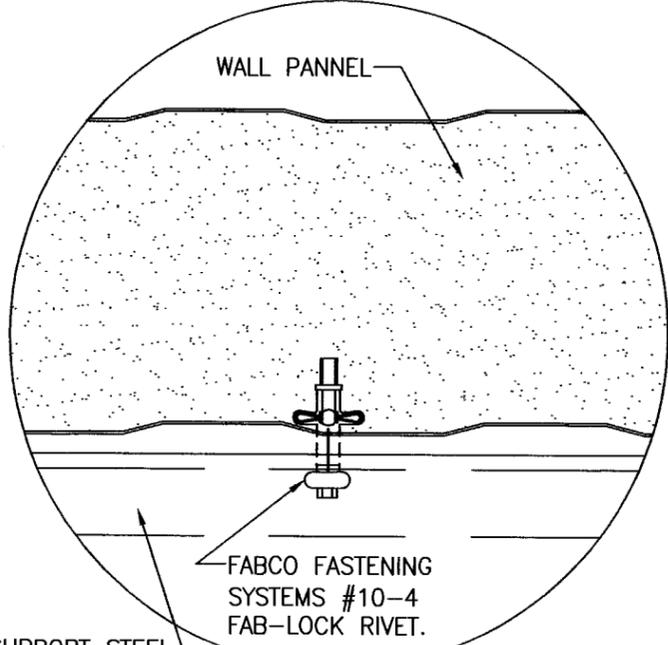
SUPPORT STEEL
BY OTHERS
(t = 0.075" MIN.)

SEAM DETAIL

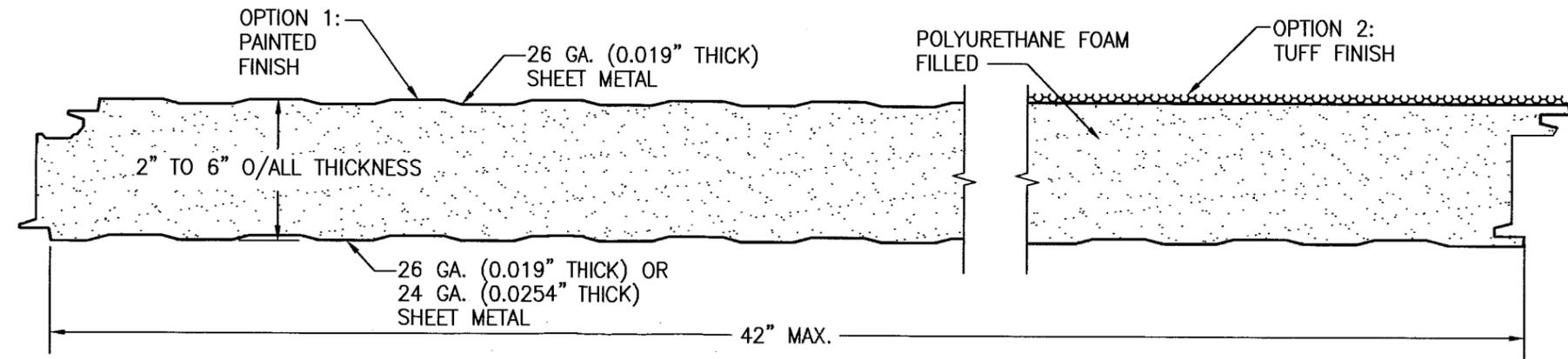
1/4-14 SELF TAPPING
SCREW WITH 5/8"
NEOPRENE BONDED
WASHER TO FULLY
PENETRATE SUPPORT
STEEL (1 AT EACH GIRT
LOCATIONS)

SUPPORT STEEL
BY OTHERS
(t = 0.075" MIN.)

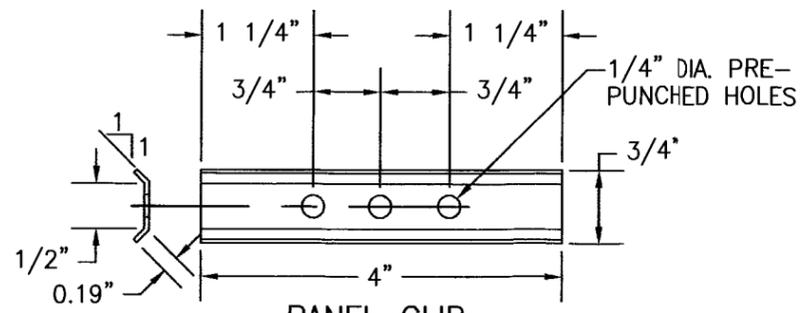
FEMALE EDGE DETAIL



SUPPORT STEEL
BY OTHERS
(t = 0.075" MIN.) FABLOCK DETAIL



PANEL



PANEL CLIP
14 GA. (t = 0.075")
33 KSI METAL CLIP

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 08-0206.08
Expiration Date 03/06/2013
By Helmut A. Mehn
Miami Dade District Control
Division

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 05-0830.03
Expiration Date 03/06/2008
By Helmut A. Mehn
Miami Dade District Control
Division

DRAWN BY: B.S.		CHECKED BY: R.H.	
PLOT: 1=1		DATE: 8/19/05	
NO.	REVISION DESCRIPTION	DATE	BY
A	CHANGE SKIN LABEL	4.17.06	B.S.
A	ADDRESS CHANGE	4.17.06	B.S.
DRAWING TITLE CF-42 & TUFF WALL PANEL			
CONSULTANTS BALA SOCKALINGAM, PH.D., P.E.		MANUFACTURER METL-SPAN I, LTD. 1497 N. KEALY LEWISVILLE, TX 75057 972-221-6656	
DRAWING NO. REV. C1409 A			
SHEET NO. 2 OF 2			