



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

CENTRIA
1005 Beaver Grade Road
Moon Twp ,PA 15108

Your application for Notice of Acceptance (NOA) of:

Formawall (R) 1000-H Wall 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.: 01-0501.02
EXPIRES: 06/04/2006

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: 06/28/2001

CENTRIA

ACCEPTANCE NO: 01-0501.02

APPROVED: JUN 28 2001

EXPIRES: 06/04/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1** This renews the Notice of Acceptance No. 98-0128.01 which was issued on 06/04/98. It approves Formawall 1000H - 30 22/22 a wall panel as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, (SFBC) 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23 do not exceed the Design Pressure Rating values indicated on the approve drawings.

2. PRODUCT DESCRIPTION

- 2.1** The **Formawall 1000H Wall Panel** and its components shall be constructed in strict compliance with the following documents: Drawing No. SK-1A, 1B, 1C, 2 and 3, titled "FW 1000H - 30 22/22 wall panel", prepared by Centria, dated 09/01/97 and 10/01/97, revised on 04/24/98, Sheets 1 through 5 of 5 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

- 3.1** This approves 3 different spans with 3 different design pressures. The design pressure of each span is shown in the title block.

4. INSTALLATION

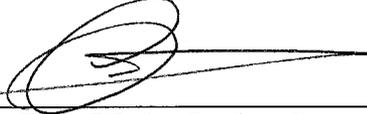
- 4.1** The Formawall 1000H wall panel shall be installed in strict compliance with the approved drawings.
4.2 The installation of this product **will not** require a hurricane protection system.

5. LABELING

- 5.1** 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 SFBC in order to properly evaluate the installation of this system.



Candido Font, PE, Sr., Product Control Examiner
Product Control Division

CENTRIA

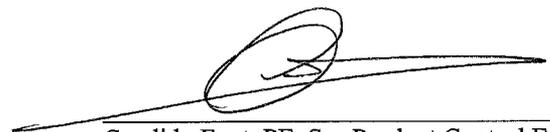
ACCEPTANCE NO: 01-0501.02

APPROVED: JUN 28 2001

EXPIRES: 06/04/2006

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 documentation, 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 purpose.
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 need 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.



Candido Font, PE, Sr., Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

CENTRIA

ACCEPTANCE NO: 01-0501.02

APPROVED: JUN 28 2001

EXPIRES: 06/04/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

EVIDENCE SUBMITTED

A DRAWINGS

1. Drawings prepared by Centria, titles "FW 1000H-30 22/22 Wall Panel", drawing SK 1A, 1B, 1C, 2 and 3, dated 09/01/97 and 10/01/97, with latest revision on 04/24/98, Sheet 1 through 5 of 5 signed and sealed by Chunbo Shim, PE.

B TEST

1.	Laboratory Report	Test	Date	Signature
2.	Farabaugh #T154-97	PA 201 & 203	10/08/97	DG Farabaugh, PE
3.	Farabaugh #T155-97	PA 202	10/08/97	DG Farabaugh, PE
4.	Farabaugh #T156-97	PA 202	10/08/97	DG Farabaugh, PE
5.	Farabaugh #T161-97	PA 201 & 203	11/07/97	DG Farabaugh, PE
6.	Farabaugh #T162-97	PA 202	11/07/97	DG Farabaugh, PE
7.	PSI No. 823-26284	ASTM D-1929	01/26/93	RW Garland
8.	UL File No. R6863	ASTM E-84	12/04/92	RK Laymon

C CALCULATIONS

1. Anchor Calculations with no date, pages 1, 2 and 3 prepared by Chumbo Shim signed and sealed by Chumbo Shim.

D MATERIAL CERTIFICATION

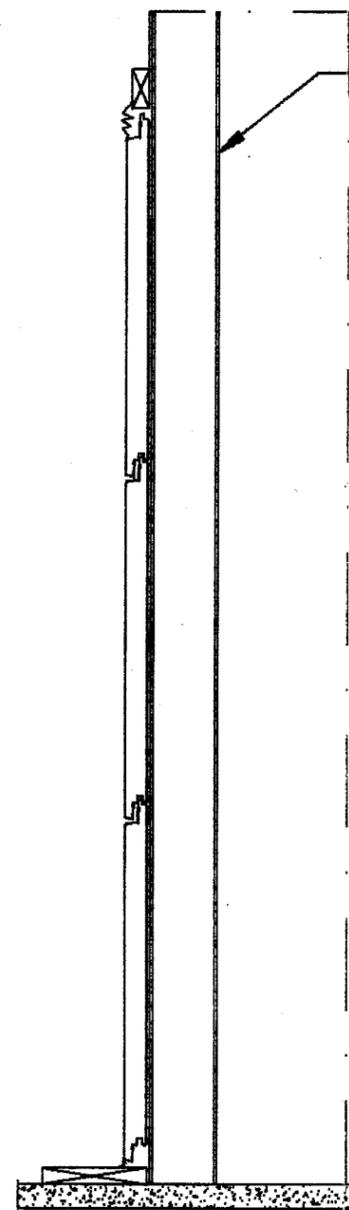
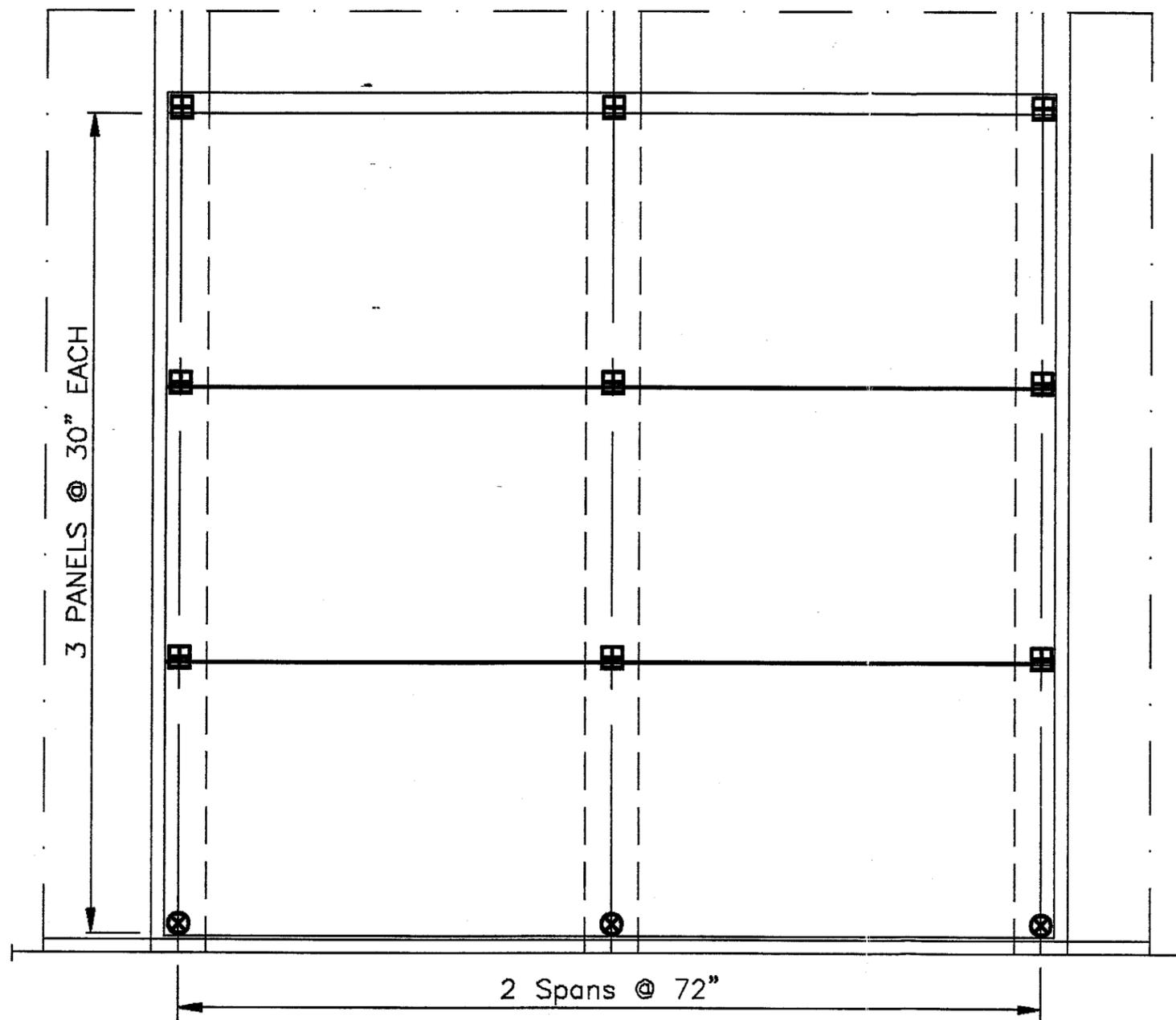
1. Tensile Test No. WP-9048 prepared by West Penn Testing Laboratories dated 04/29/98 and signed by T.A. Ault, M.E.T.
2. Atlas Technical Data of ¼-14 HHB-300 SS self-tapping screw.

E STATEMENTS

1. Certification of Centria FW 1000H wall panel signed by Chunbo Shim on 01/23/98.
2. No change letter issued by Centria on 04/24/01, signed by K. D. Boyer.



Candido Font, PE, Sr., Product Control Examiner
Product Control Division



STRUCT. STEEL
 3/16 (min) FLG THK
 1-1/2" (min) FLG W

C. D. Brin
 4-30-98

PRODUCT RENEWED

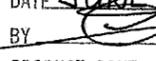
ACCEPTANCE No. 01-0501.02

EXPIRATION DATE 06/04/2006

BY 
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE

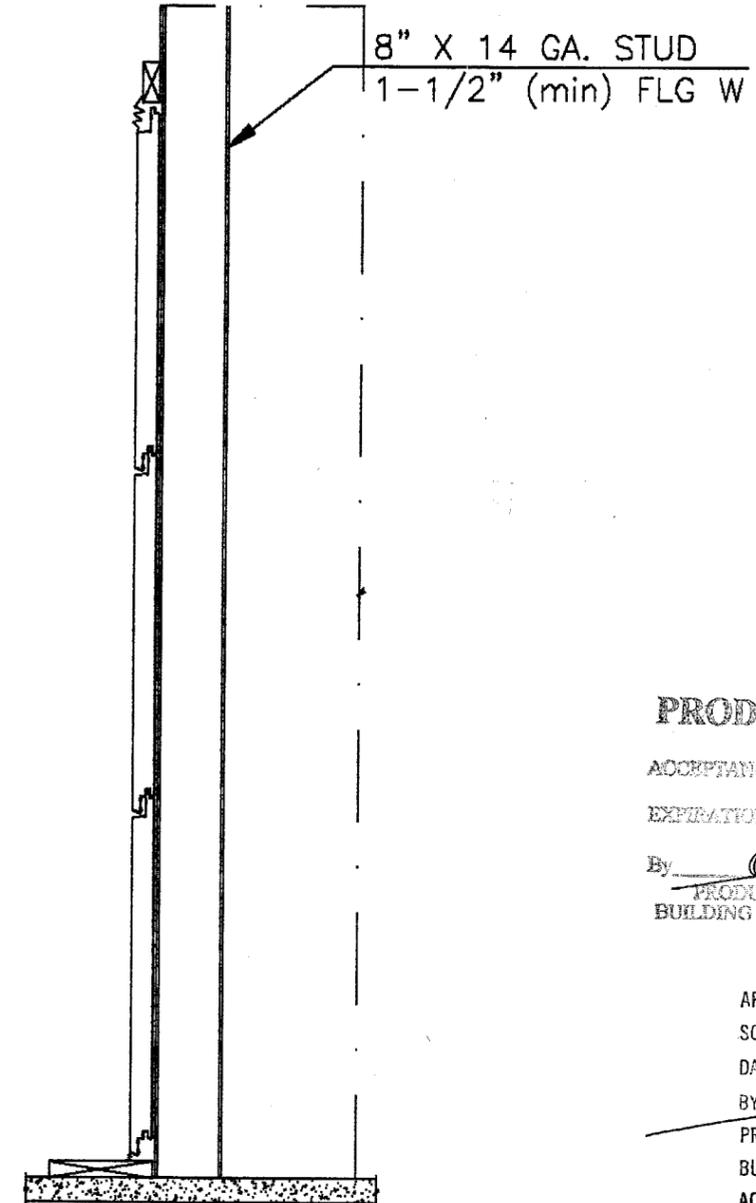
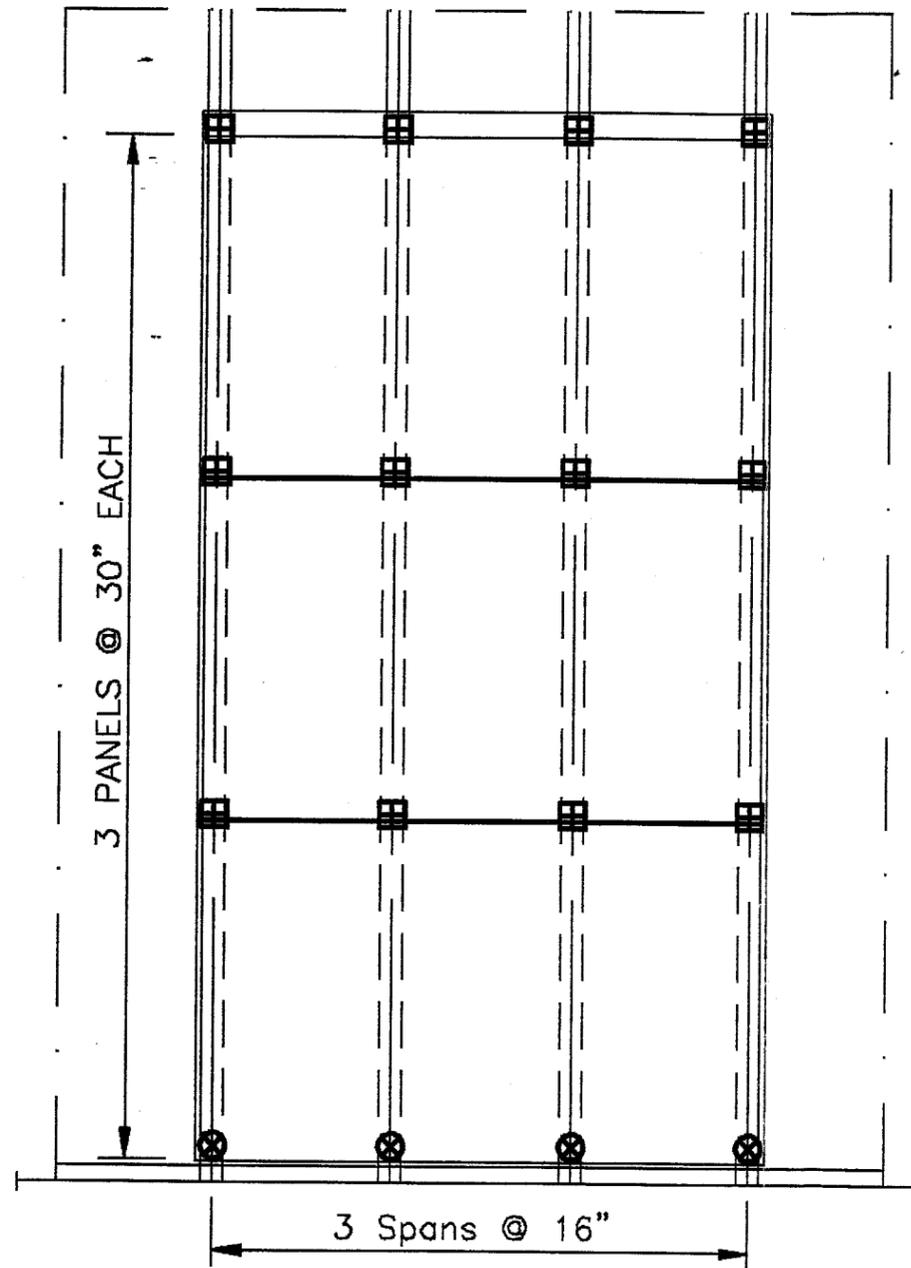
DATE JUNE 4 19 98

BY 
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 98-0128.01

- ⊗ A-15 RETAINING CLIP w/ 2ea 1/4-14 X 1-3/4" (min) ATLAS FASTENERS HHB-300 S.S. SELF TAPPING
- ⊞ A-13A RETAINING/A-14 OVERLAY CLIP w/ 2ea 1/4-14 X 1-3/4" (min) ATLAS FASTENERS

CENTRIA	
1005 Beaver Grade Road Moon Township, PA 15108	
FW1000H-30 22/22 WALL PANEL	
TEST ASSEMBLY	
DESIGN PRESSURE ±50 PSF	
DATE 9-1-97	DRAWING NO.
DWN DMB	SK-1A
SCALE NONE	Sheet 1 of 5

REV 1 4/24/98



C. Shrin
6-30-98

PRODUCT RENEWED

ACCEPTANCE No. 01-0501.02

EXPIRATION DATE 06/04/2006

By [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE

SOUTH FLORIDA BUILDING CODE

DATE JUNE 4 1998

BY [Signature]

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-0128.01

⊗ A-15 RETAINING CLIP w/ 2ea 1/4"-14 X 1-3/4"
(min) ATLAS FASTENERS HXB-300 SS SELF TAPPING

⊞ A-13A RETAINING/A-14 OVERLAY CLIP w/ 2ea
1/4"-14 X 1-3/4" (min) ATLAS FASTENERS

REV 1 4/24/98

CENTRIA

1005 Beaver Grade Road
Moon Township, PA 15108

FW1000H-30 22/22 WALL PANEL

TEST ASSEMBLY

DESIGN PRESSURE ±160 PSF

DATE 10-1-97

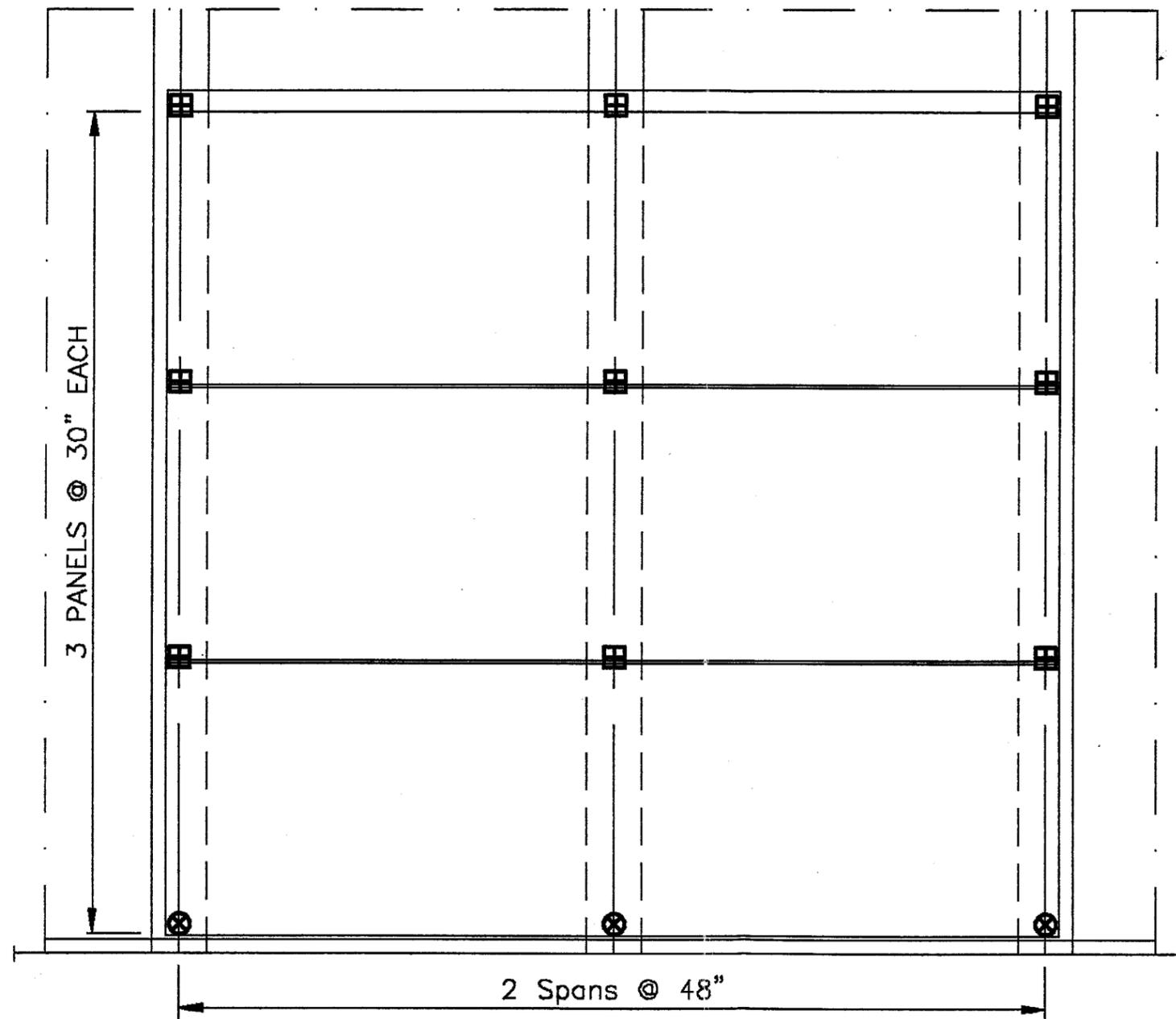
DRAWING NO.

DWN DMB

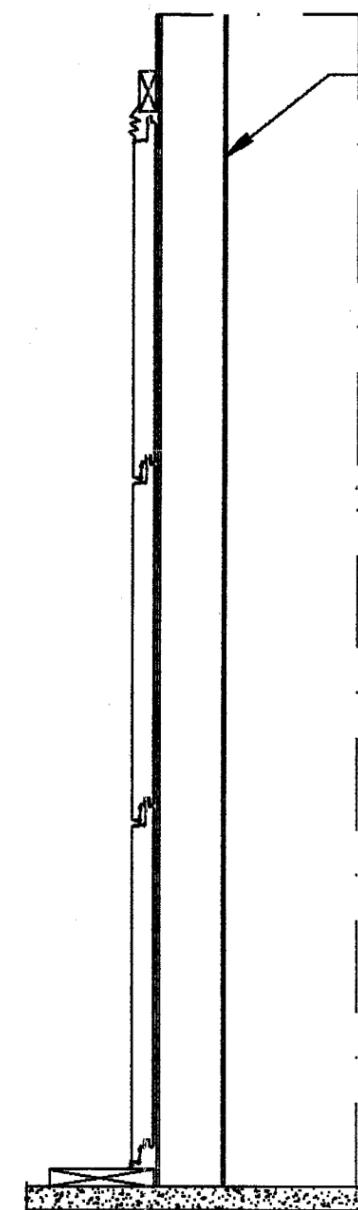
SK-1B

SCALE NONE

Sheet 2 of 5



- ⊗ A-15 RETAINING CLIP w/ 2ea 1/4-14 X 1-3/4" (min) ATLAS FASTENERS HUB-300SS SELF TAPPING
- ⊞ A-13A RETAINING/A-14 OVERLAY CLIP w/ 2ea 1/4-14 X 1-3/4" (min) ATLAS FASTENERS



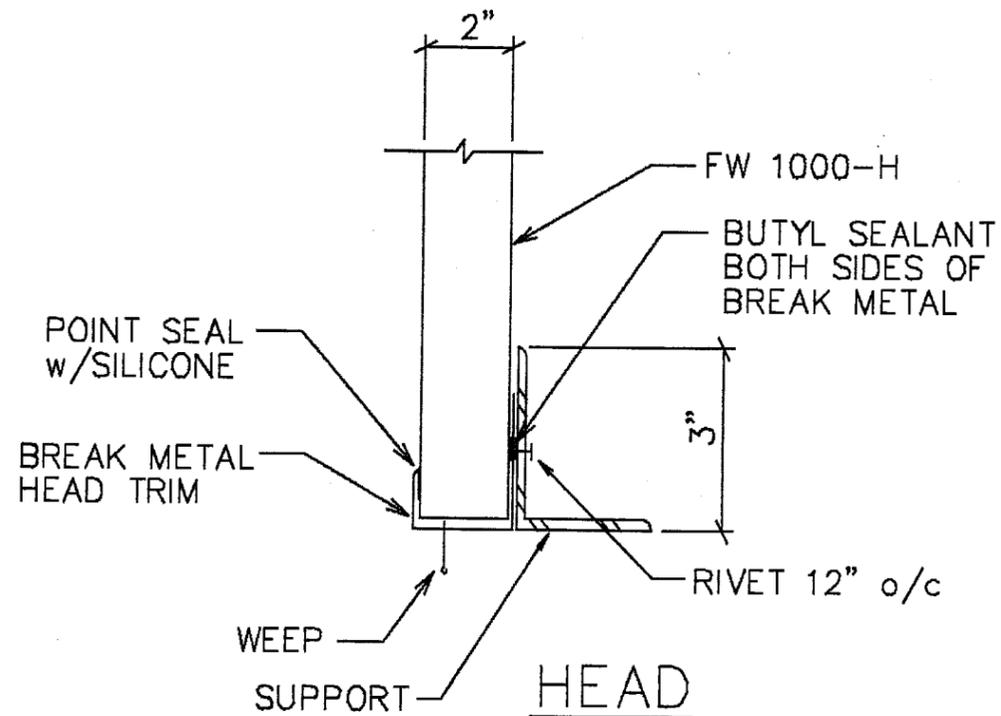
STRUCT. STEEL
 3/16 (min) FLG THK
 1-1/2" (min) FLG W

C. Shrin
 4-30-98

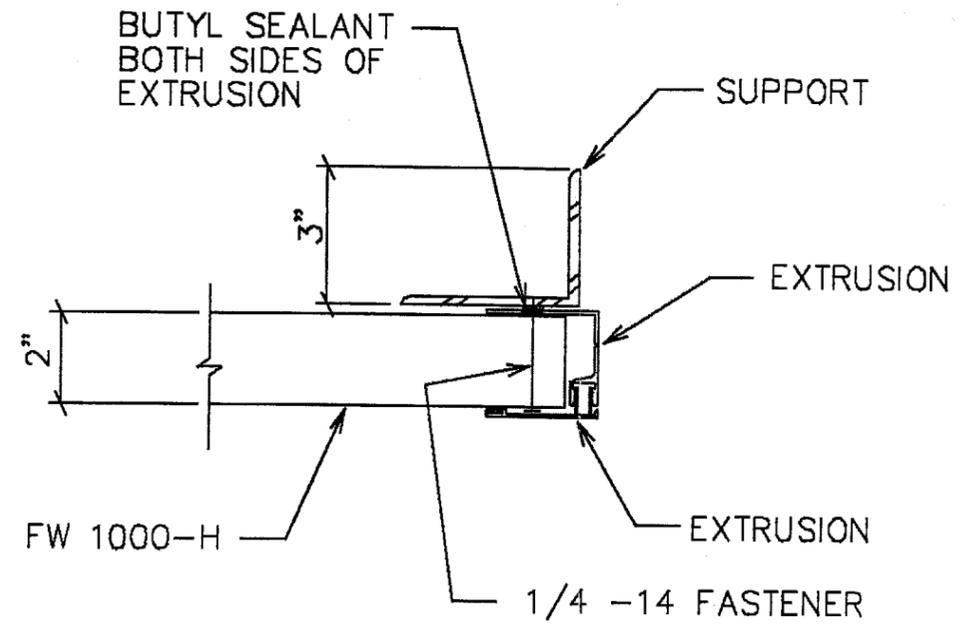
PRODUCT RENEWED
 ACCEPTANCE NO. 01-0501.02
 EXPIRATION DATE 06/04/2006
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JUNE 4 1998
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 98-0128.01

CENTRIA	
1005 Beaver Grade Road Moon Township, PA 15108	
FW1000H-30 22/22 WALL PANEL	
TEST ASSEMBLY	
DESIGN PRESSURE ±80 PSF	
DATE 9-1-97	DRAWING NO.
DWN DMB	SK-1C
SCALE NONE	Sheet 3 of 5

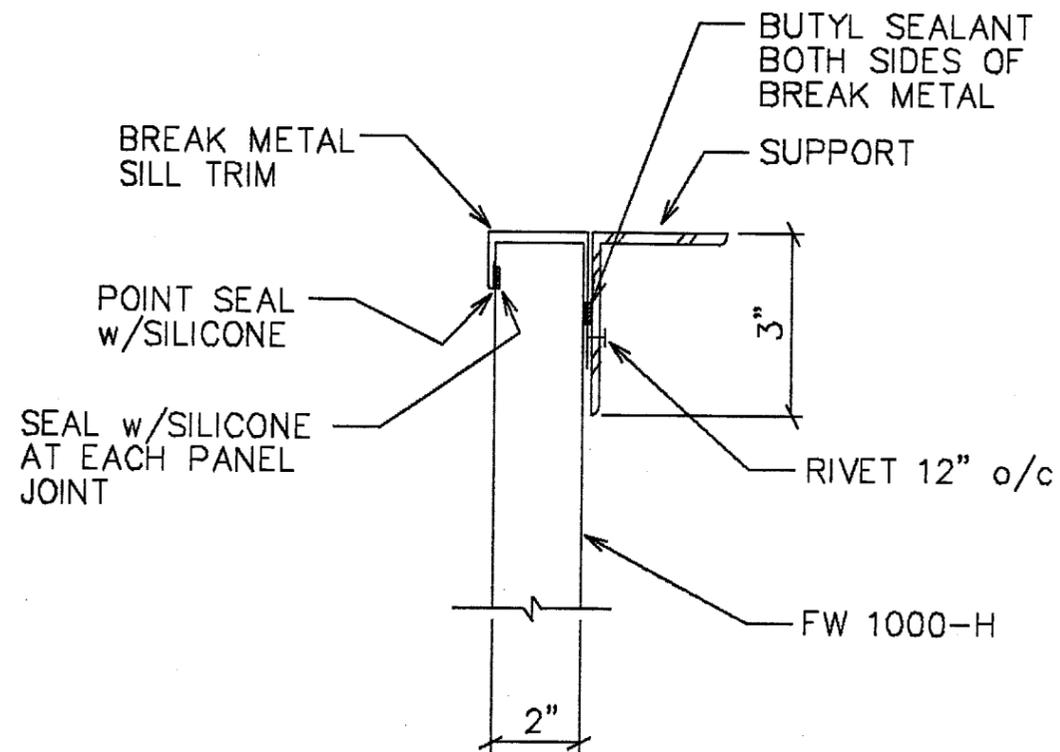


HEAD



JAMB

C. Shinn
4-30-98



SILL

PRODUCT RENEWED

ACCEPTANCE No. 01-0501.02

EXPIRATION DATE 06/04/2006

By [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUNE 4 1998
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-0128.01



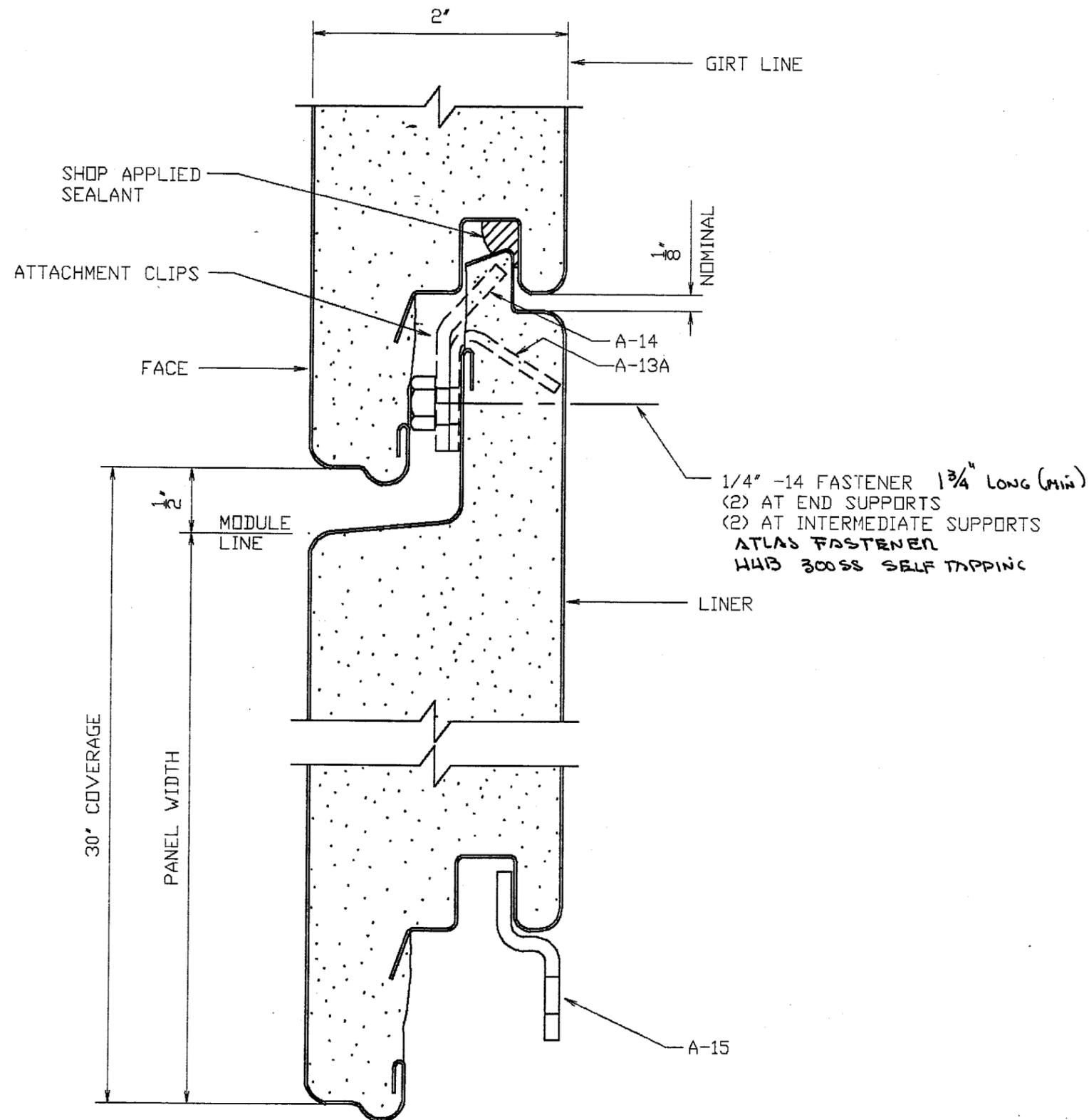
CENTRIA

1005 BEAVER GRADE ROAD
MOON TOWNSHIP, PA. 15108-2944

FW1000H-30 22/22 WALL PANEL

DETAILS

DWN: TZ	SCALE: NONE	drawing no. SK-2
DATE: OCT. 1, 1997		
REV. 1	4/24/98	SHEET 4 of 5



ATTACHMENT CLIPS:
 A-13A RETAINING CLIP 14 GAUGE S.S. TYPE 304-1
 A-14 OVERLAY CLIP 12 GAUGE S.S. TYPE 304-1
 A-15 RETAINING CLIP 12 GAUGE S.S. TYPE 304-1

PANEL SPECIFICATIONS:
 CORE: POLYURETHANE FOAM 2.8-3.1 PCF
 SKIN: 22 GA. STEEL SQ 37 PER ASTM A653
 COATING: G90 PER ASTM A653
 FINISH: 4 MIL CORRSTAN or 8 MIL POLYVINYLIDENE FLUORIDE

PANEL PROPERTIES:
 SELF IGNITION TEMP. (ASTM D1929) 806°F
 FLASH IGNITION TEMP. (ASTM D1924) 686°F
 FLAME SPREAD INDEX (ASTM E84) 15
 SMOKE DEVELOPED INDEX (ASTM E84) 115-300

E. Shrin
 4-30-98

PRODUCT RENEWED

ACCEPTANCE NO. 01-0501.02
 EXPIRATION DATE 06/04/2006
 By: *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

*APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JUNE 4 1998
 BY *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 98-0128.01



CENTRIA

1005 BEAVER GRADE ROAD
 MOON TOWNSHIP, PA. 15108-2944

FW1000H-30 22/22 WALL PANEL		
PANEL CROSS-SECTION		
DWN: TZ	SCALE: NONE	drawing no. SK-3
DATE: OCT. 1, 1997		
REV. 1	4/24/98	SHEET 5 of 5