



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

Hurd Millwork Company
575 S. Whelen Avenue
Medford ,WI 54451

Your application for Notice of Acceptance (NOA) of:

Aluminum Clad Fixed Window -Impact

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.: 01-1011.04
EXPIRES: 01/10/2007

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: 01/10/2002

Hurd Millwork Co. Inc.

ACCEPTANCE No.: 01-1011.04

APPROVED : January 10, 2002

EXPIRES : January 10, 2007

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1** This approves a wood Fixed window, 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 in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1** The series **Alumunium Clad Wood Fixed Window-Large Missile Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **1043**, titled "Clad Wood Fixed Casement Impact Window" Sheets 1 through 4 of 4, dated 06-30-2001, prepared by W. W. Schaefer Engineering & Consulting, P. A. , signed and sealed by Warren W. Schaefer, 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

- 3.1** This approval applies to single unit applications of fixed casement windows with the configurations, as shown in the approved drawings.
- 3.2** For Design Pressure Rating vs. Single Window Size, see Comparative Analysis Tables, sheet 4, in approved drawings.

4. INSTALLATION

- 4.1** The wood Fixed windows and its components shall be installed in strict compliance with the approved drawings.
- 4.2** Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

5. LABELING

- 5.1** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and 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.

Ishaq I. Chanda
Ishaq I. Chanda, P.E. Product Control Examiner
Product Control Division

Hurd Millwork Co. Inc.

ACCEPTANCE No.: 01-1011.04

APPROVED : January 10, 2002

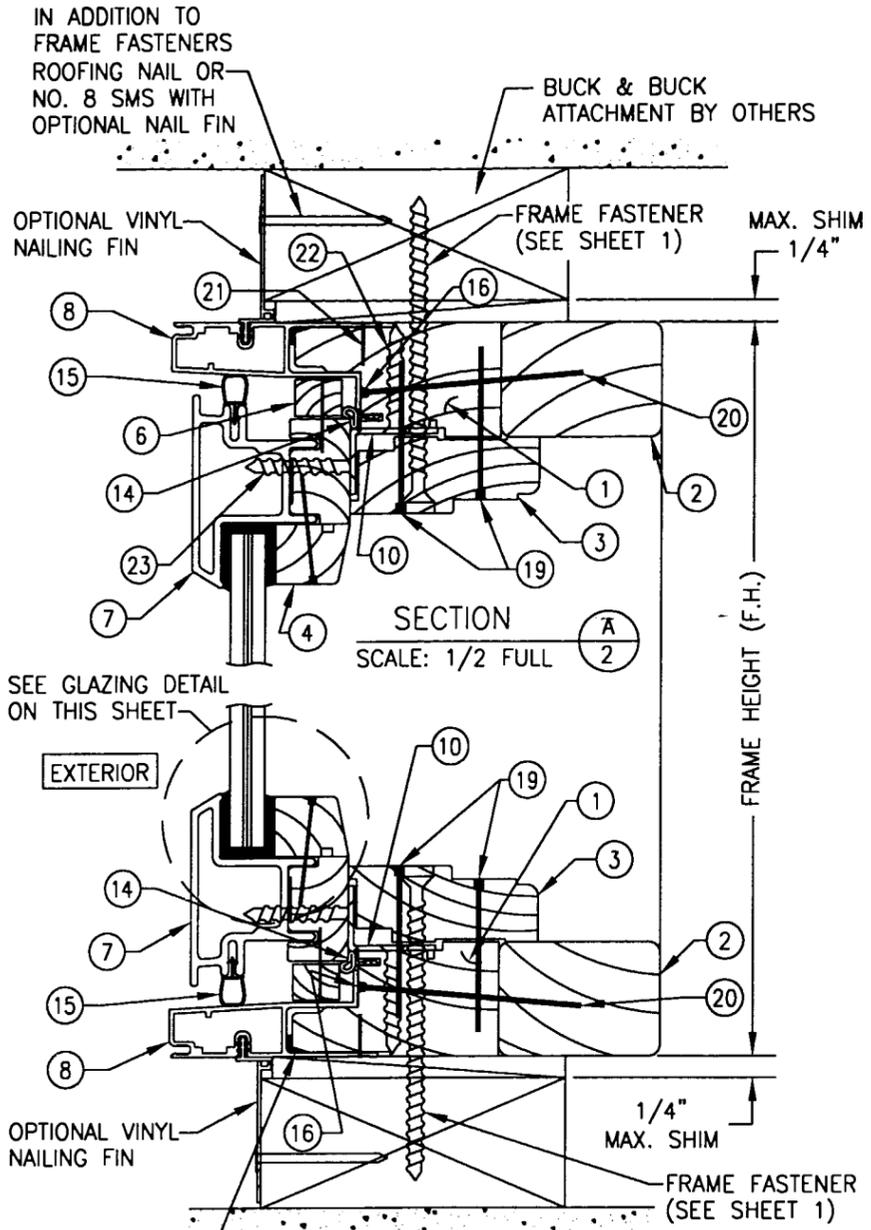
EXPIRES : January 10, 2007

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

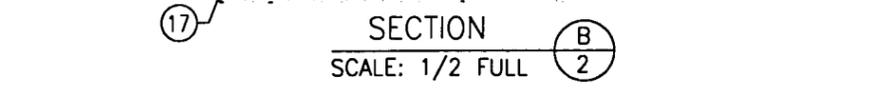
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with 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.

Ishaq I. Chanda
Ishaq I. Chanda, P. E., Product Control Examiner
Product Control Division

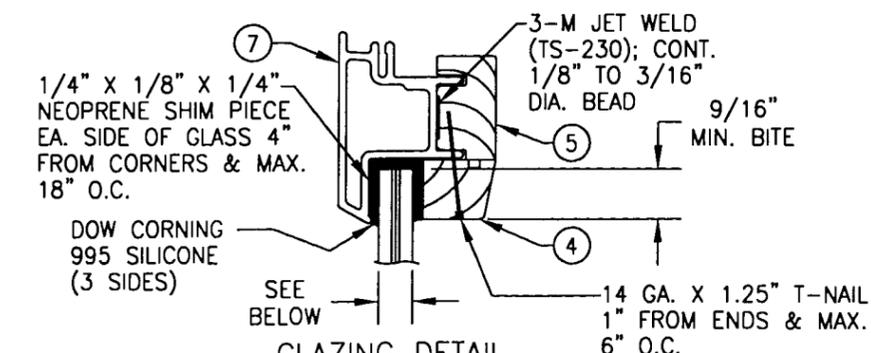
END OF THIS ACCEPTANCE



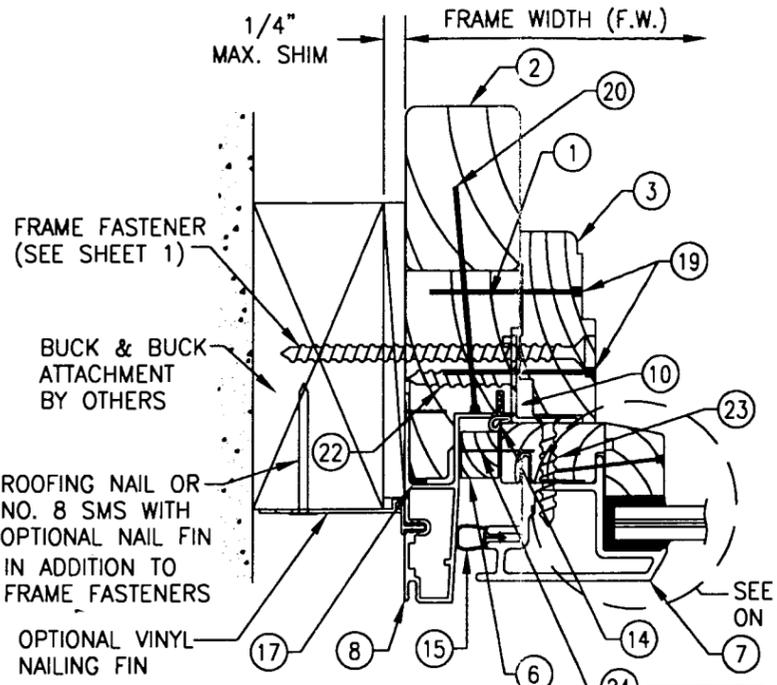
SECTION A
SCALE: 1/2 FULL



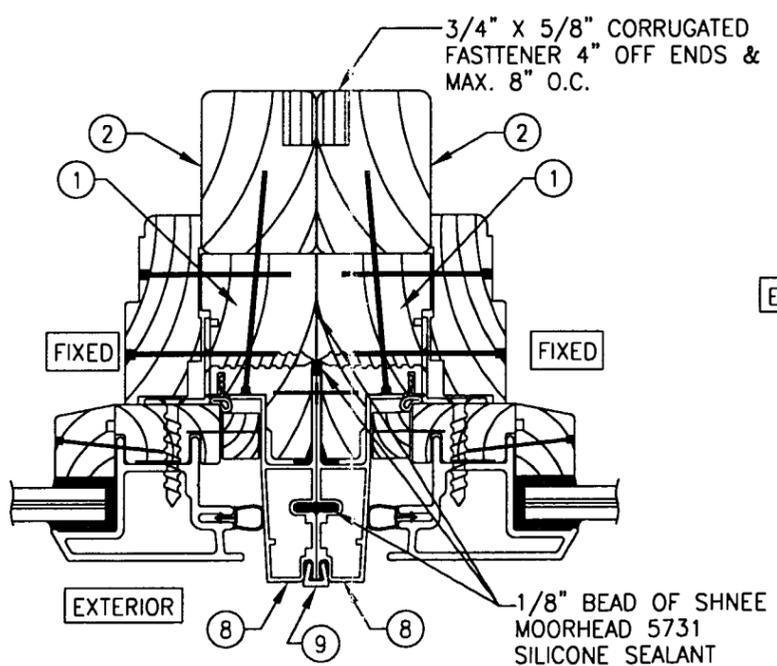
SECTION B
SCALE: 1/2 FULL



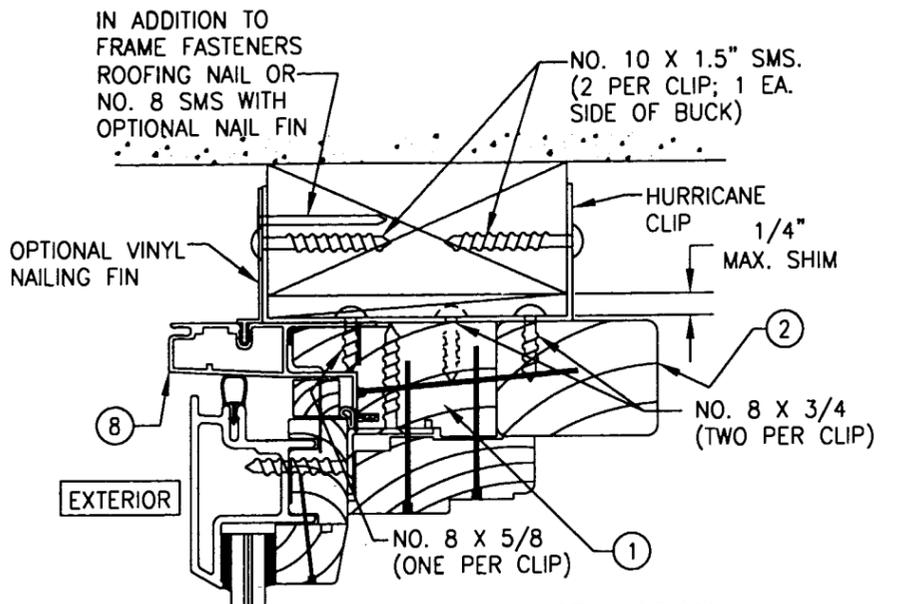
GLAZING DETAIL



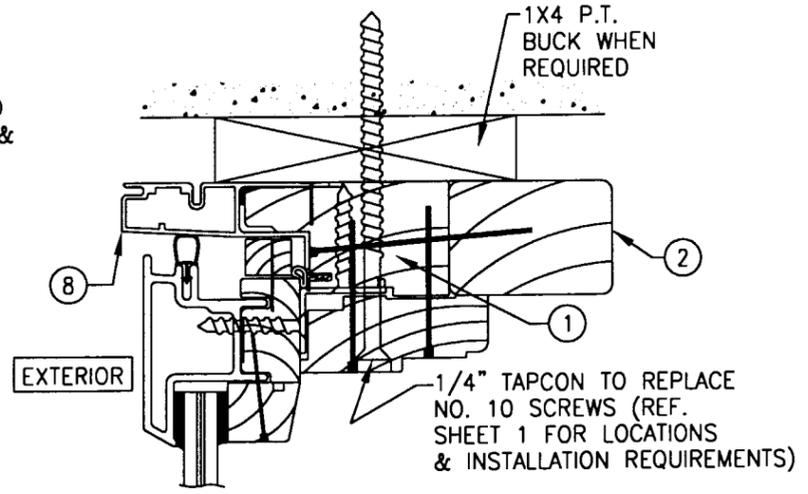
SECTION C
SCALE: 1/2 FULL



SECTION D
SCALE: 1/2 FULL



OPTIONAL CLIP INSTALLATION
HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR
SEE SECTIONS FOR DETAIL NOT SHOWN

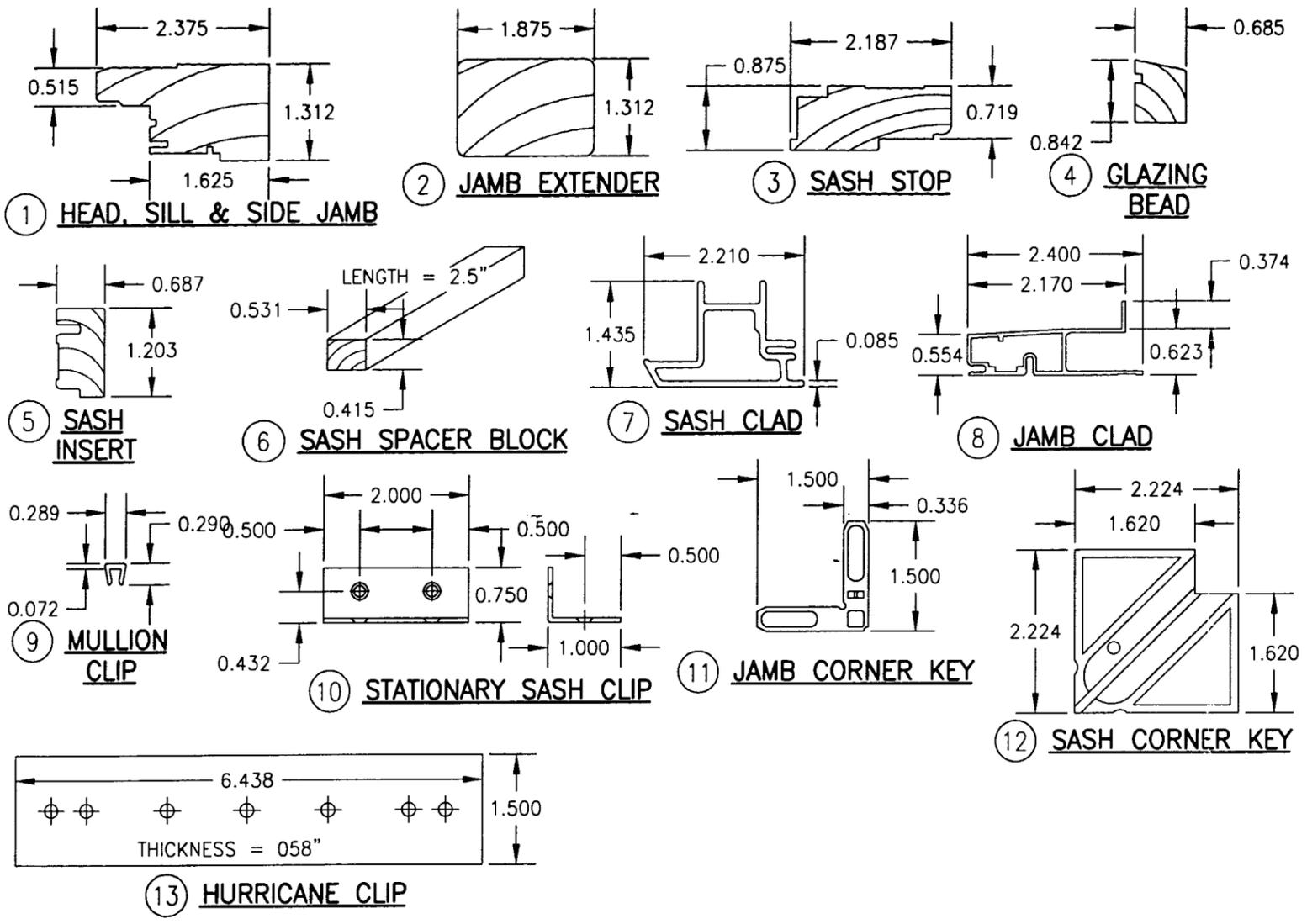


DIRECT MOUNT DETAIL
HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR
SEE SECTIONS FOR DETAIL NOT SHOWN

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE Jan 10, 2002
BY Ishaq J. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO 01-1011.04

- CARDINAL SEASTORM TYPE "B" LAMINATED GLASS
- OPTION 1) 7/16" THICK OVERALL (3/16" AN/0.015 PVB/0.007 PET/0.075 PVB/3/16" AN)
 - OPTION 2) 9/16" THICK OVERALL (1/4" AN/0.015 PVB/0.007 PET/0.075 PVB/1/4" AN)
 - OPTION 3) 9/16" THICK OVERALL (1/4" HS/0.015 PVB/0.007 PET/0.075 PVB/1/4" HS)

| | | | |
|---|----|---|-----|
| DRAWN BY: W.W.S. | | CHECKED BY: W.W.S. | |
| PLOT: 1-2 | | DATE: 06/30/01 | |
| DATE | BY | REVISION DESCRIPTION | NO. |
| | | | |
| CLAD WOOD FIXED CASEMENT IMPACT WINDOW | | | |
| CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903 | | MANUFACTURER HURD MILLWORK CO., INC. 575 S. HELEN AVE. MEDFORD, WI 54451 800-433-4873 | |
| CERTIFICATION NOV 16 2001 | | P.E. NO. 44135 | |
| DRAWING NO. 1043 | | REV. | |
| SHEET NO. 2 | | OF 4 | |



| ITEM # | PART | ITEM DESCRIPTION | MANUFACTURER/NOTES |
|-------------------------|---------|---|--------------------------------------|
| PARTS | | | |
| 1 | CCSE223 | HEAD, SILL & SIDE JAMB | * PONDEROSA/SUGAR PINE |
| 2 | CCSE225 | JAMB EXTENDER | * PONDEROSA/SUGAR PINE |
| 3 | CAWN245 | SASH STOP | * PONDEROSA/SUGAR PINE |
| 4 | H1205 | GLAZING BEAD | * PONDEROSA/SUGAR PINE |
| 5 | W1203 | SASH INSERT | * PONDEROSA/SUGAR PINE |
| 6 | CCSE300 | SASH SPACER BLOCK (PONDEROSA PINE) | 2" FROM CORNERS & MAX. 18" O.C. |
| 7 | W1204 | SASH CLADDING | OMNIGLASS FIBERTHERM |
| 8 | CCSE440 | JAMB CLADDING | 6063-T5 ALUMINUM |
| 9 | CCSE470 | CONTINUOUS MULLION CLIP | 6060-T5 ALUMINUM |
| 10 | - | 16 GA. (0.56" THK.) STEEL CLIP | 5" FROM CORNERS & 10" MAX. O.C. |
| 11 | CCSE620 | JAMB CLAD CORNER KEY | NYLON 66 MATERIAL |
| 12 | W1208 | SASH CLAD CORNER KEY | ABS FIBERGLASS |
| 13 | - | 16 GAGE (0.058" THK.) HURRICANE CLIP | STEEL (Fy = 33 ksi MIN.) |
| SEALS & SEALANTS | | | |
| 14 | CCSE635 | FRAME WEATHER STRIP | AMESBURY TBE SKIN/FOAM FILLED |
| 15 | W1207 | SECONDARY WEATHER STRIP | PVC (HEAD, SILL & LOCK SIDE) |
| 16 | - | 1/8" DIA. CONT. BEAD OF SEALANT | SCHNEE MOORHEAD SM-5731 |
| 17 | - | 3/16" BEAD SEALANT @ CLAD CORNERS | SCHNEE MOORHEAD SM-5731 |
| 18 | CCSE670 | 0.062" THK. JAMB CLAD CORNER GASKET | CLOSED CELL FOAM |
| MISCELLANEOUS FASTENERS | | | |
| 19 | - | 14 GA. X 1 1/4" T-NAIL (SASH STOP FASTENER) | 2 NAILS 4" FROM CORNER & 6" O.C. |
| 20 | - | 2 1/2" 14 GAGE CROWN STAPLE @ JAMB EXTENDER | 2" FROM CORNER & 8" O.C. |
| 21 | - | GSN-18-1/2" STAPLE (CLAD TO JAMB) | 2" FROM CORNER & 6" O.C. |
| 22 | - | NO. 8 X 1 1/4" S.S. SMS SCREW | 2 PER STATIONARY SASH CLIP INTO JAMB |
| 23 | - | NO. 8 X 1 1/4" S.S. SMS SCREW | 2 PER STATIONARY SASH CLIP INTO SASH |
| 24 | - | 18 GA. X 3/4" STAPLE | 2 PER SASH SPACER BLOCK |

* WOOD USED WITH TEST UNITS WAS PONDEROSA PINE. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. GRADE 2 MAHOGANY, SOUTHERN PINE, OAK, CHERRY, MAPLE, DOUGLAS FIR & CYPRUS.

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE Jan 10, 2002
 BY W. W. Schaefer
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-1011.04

| | |
|---|-----------------------|
| DRAWN BY: W.W.S. | CHECKED BY: W.W.S. |
| PLOT: 1=2 | DATE: 06/30/01 |
| DATE | BY |
| REVISION DESCRIPTION | NO. |
| CLAD WOOD FIXED CASEMENT IMPACT WINDOW | |
| MANUFACTURER | |
| HURD MILLWORK CO., INC. 575 S. HELEN AVE. MEDFORD, WI 54451 800-433-4873 | |
| CONSULTANTS | |
| W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903 | |
| CERTIFICATION | DATE |
| NOV 16 2001 | |
| WARREN W. SCHAEFER, P.E. P.E. NO. 44135 | |
| DRAWING NO. | REV. |
| 1043 | |
| SHEET NO. | OF |
| 3 | 4 |

**ALLOWABLE DESIGN PRESSURE (3/8" ACTUAL GLASS)
(WITH CARDINAL 7/16" ANNEALED LAMINATED GLASS)**

| (1) SHORT DIMENSION | DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF) | | | | | | | | | | | | | |
|---------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 24" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 71.1 |
| 30" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | |
| 36" | 80.0 | 80.0 | 80.0 | 80.0 | 77.9 | 75.6 | 74.5 | 72.3 | 70.6 | | | | | |
| 42" | 80.0 | 80.0 | 76.6 | 71.4 | 67.3 | 64.3 | | | | | | | | |
| 48" | 80.0 | 75.1 | 68.9 | 63.2 | 58.4 | | | | | | | | | |
| 54" | N/A | 67.5 | 61.3 | | | | | | | | | | | |
| 60" | N/A | N/A | | | | | | | | | | | | |
| (1) LONG DIMENSION | 48" | 54" | 60" | 66" | 72" | 78" | 84" | 90" | 96" | 101" | 108" | 120" | 132" | 144" |

**ALLOWABLE DESIGN PRESSURE (1/2" ACTUAL GLASS)
(WITH CARDINAL 9/16" ANNEALED LAMINATED GLASS)**

| (1) SHORT DIMENSION | DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF) | | | | | | | | | | | | |
|---------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|
| 30" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 36" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | |
| 42" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | | | |
| 48" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 77.8 | 74.1 | 71.6 | | | | | |
| 54" | 80.0 | 80.0 | 80.0 | 76.0 | 69.8 | | | | | | | | |
| 60" | 80.0 | 80.0 | 72.7 | 65.5 | | | | | | | | | |
| 64" | N/A | 74.2 | 67.0 | | | | | | | | | | |
| 66" | N/A | 71.6 | 64.2 | | | | | | | | | | |
| 72" | N/A | N/A | | | | | | | | | | | |
| (1) LONG DIMENSION | 60" | 66" | 72" | 78" | 84" | 90" | 96" | 101" | 108" | 120" | 132" | 144" | |

**ALLOWABLE DESIGN PRESSURE (1/2" ACTUAL GLASS)
(WITH CARDINAL 9/16" HEAT STRENGTHENED LAMINATED GLASS)**

| (1) SHORT DIMENSION | DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF) | | | | | | | | | | | | |
|---------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|
| 36" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 42" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 48" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | |
| 54" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | | | |
| 60" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | | | | |
| 64" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | | | | |
| 66" | N/A | 72.7 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | | | | | | |
| 72" | N/A | N/A | 71.1 | 71.1 | 71.1 | | | | | | | | |
| (1) LONG DIMENSION | 60" | 66" | 72" | 78" | 84" | 90" | 96" | 101" | 108" | 120" | 132" | 144" | |

TABLE NOTES:

- (1) ALL WINDOW DIMENSION VALUES SHOWN ARE +/- 1/2" & ARE FRAME (F.H. & F.W.) DIMENSIONS
- (2) THOSE SIZES WITH LOADS LISTED ARE MAXIMUM ALLOWABLE SIZES AT THAT LOAD. IF NO LOAD IS LISTED FOR A GIVEN SIZE, THAT SIZE EXCEEDS ALLOWABLE AND IS NOT ACCEPTABLE.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE January 10, 2002
BY Ishaq I. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-1011-04

| | | | | | |
|--|--------------------------------------|-----------------------------|--|---------------------|---------------------|
| <small>DRAWN BY:</small> W.W.S. | <small>CHECKED BY:</small> W.W.S. | <small>PLOT:</small> 1-2 | <small>DATE:</small> 06/30/01 | <small>DATE</small> | <small>BY</small> |
| <small>NO.</small> | <small>REVISION</small> | <small>DESCRIPTION</small> | <small>DATE</small> | <small>BY</small> | <small>DATE</small> |
| CLAD WOOD FIXED CASEMENT IMPACT WINDOW | | | | | |
| <small>MANUFACTURER</small> HURD MILLWORK CO., INC. | | | <small>575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873</small> | | |
| <small>CONSULTANTS</small> W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. | | | <small>600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903</small> | | |
| <small>CERTIFICATION</small> NOV 16 2001 | | | | | |
| <small>WARREN W. SCHAEFER, P.E. P.E. NO. 44135</small> | | | | | |
| <small>DRAWING NO.</small> 1043 | | | <small>REV.</small> | | |
| <small>SHEET NO.</small> 4 | | | <small>OF</small> 4 | | |