



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 Outswing Wood Casement 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.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 01-1012.01

EXPIRES: 01/03/2007

**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: 01/03/2002



Hurd Millwork Co. Inc.

ACCEPTANCE No.: 01-1012.01

APPROVED : January 03, 2002

EXPIRES : January 03, 2007

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This approves an outswing wood casement 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 Outswing Casement Window-Large Missile Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No 1044, titled "Clad Wood Outswing Casement Impact Window" Sheets 1 through 3 of 3, dated 12-13-2001, 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 outswing casement windows with the configurations, as shown in the approved drawings.

4. INSTALLATION

4.1 The wood casement 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 If applicable, the Notice of Acceptance of "Fixed Window" by Hurd Inc.

6.1.3 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.

6.1.4 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.: 01-1012.01

APPROVED : January 03, 2002

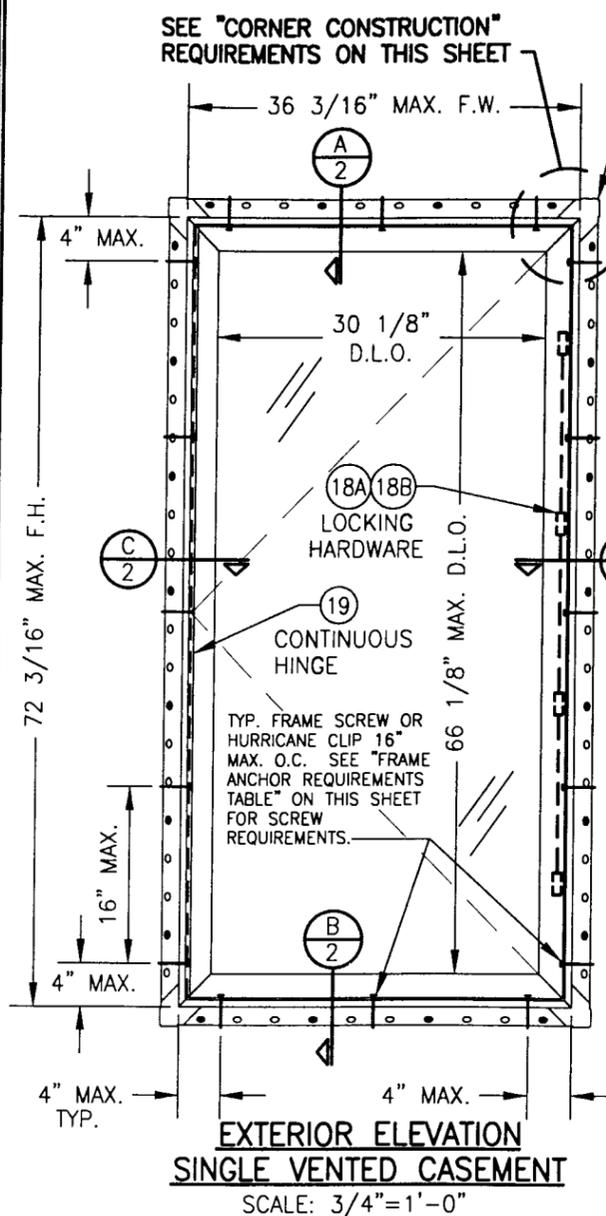
EXPIRES : January 03, 2007

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

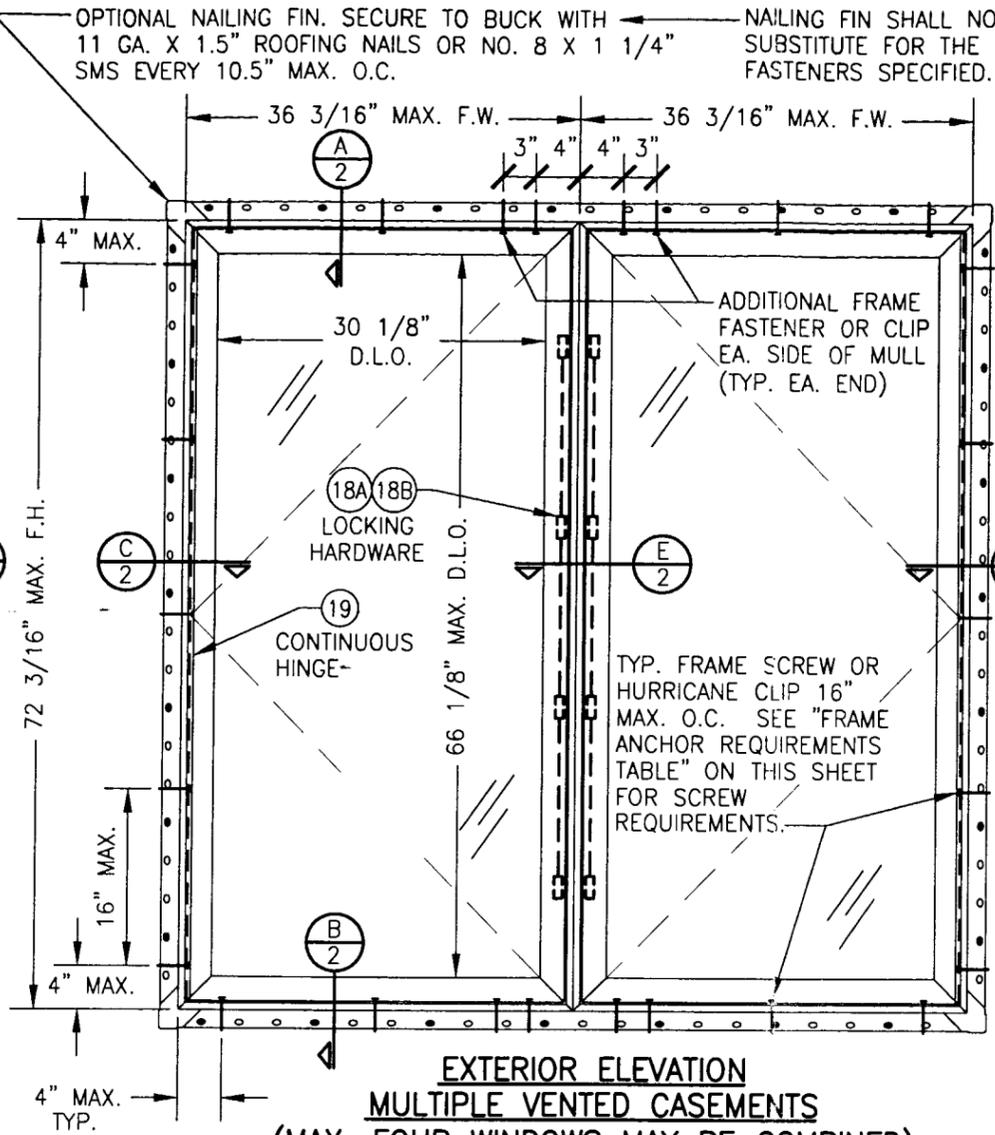
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with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

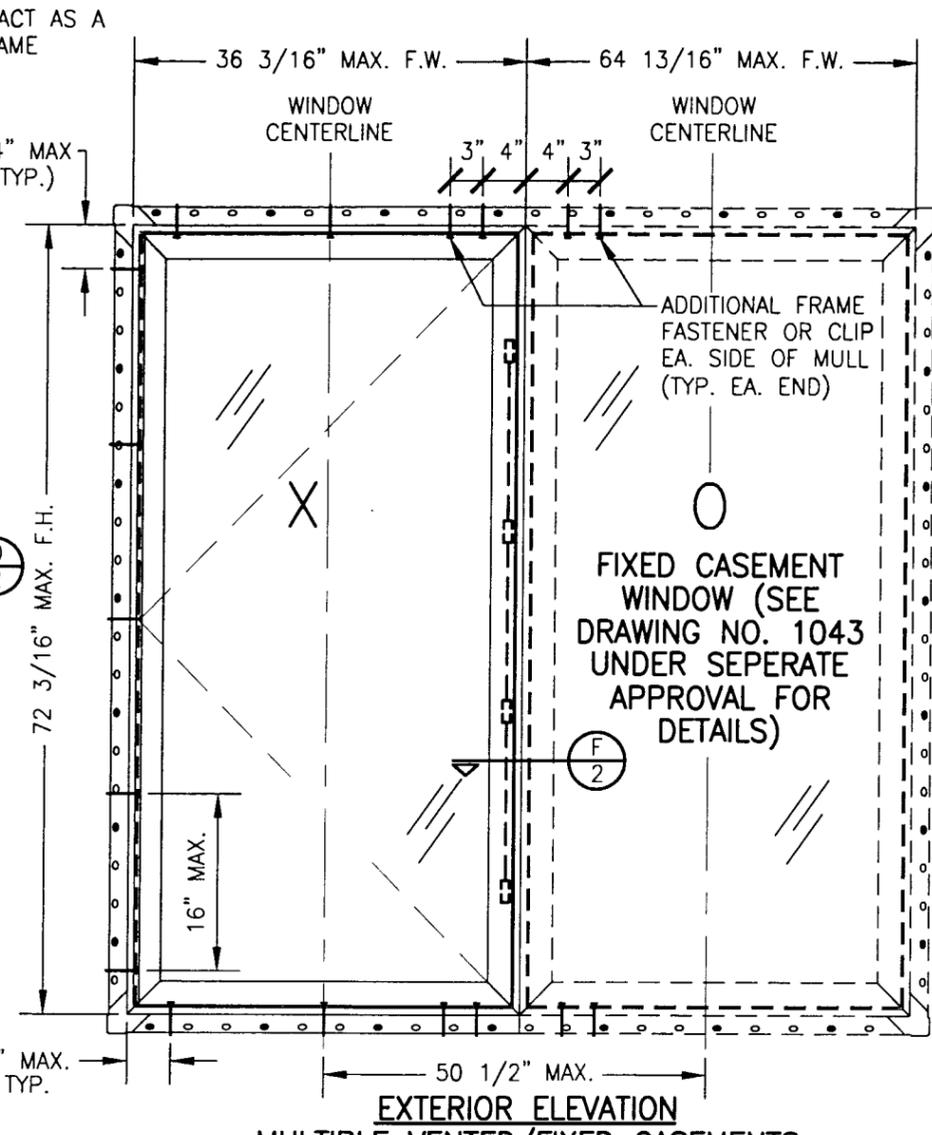
END OF THIS ACCEPTANCE



**EXTERIOR ELEVATION
SINGLE VENTED CASEMENT**
SCALE: 3/4"=1'-0"



**EXTERIOR ELEVATION
MULTIPLE VENTED CASEMENTS**
(MAX. FOUR WINDOWS MAY BE COMBINED)
SCALE: 3/4"=1'-0"



**EXTERIOR ELEVATION
MULTIPLE VENTED/FIXED CASEMENTS**
(MAX. FOUR WINDOWS MAY BE COMBINED IN
ANY 4 WINDOW CONFIGURATION)
SEE OTHER ELEVATIONS FOR VENT WINDOW DETAILS
SCALE: 3/4"=1'-0"

- GENERAL NOTES**
1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE.
 2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
 3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
 4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA 201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
 5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE, 1994 MIAMI-DADE COUNTY EDITION.
 6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
 7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.

CORNER CONSTRUCTION:

SASH: WOOD MEMBERS ARE LAPPED TOGETHER & STAPLED WITH TWO(2) GSN-18-1/2" GALVANIZED STAPLES. CLAD IS MITERED & JOINED WITH AN "ABS" CORNER KEY (HURD PART NO. W1208) & THEN SEALED WITH 3-M JET WELD TE-031 SEALANT.

JAMB: WOOD MEMBERS ARE PARTIALLY DADO'D & JOINED WITH (3) 2.5" 16 GA. CROWN STAPLES THROUGH HEAD/SILL & INTO SIDE JAMBS. CLAD IS MITERED & JOINED WITH A NYLON CORNER KEY (HURD PART NO. CCSE620). THE CLAD CORNER IS ALSO GASKETED WITH A CLOSED CELL FOAM 0.062" THK. GASKET AND SECURED WITH 2 NO. 6 X 1/2" SMS SCREWS (ONE THROUGH SIDE & ONE THROUGH HEAD/SILL INTO CORNER KEY).

FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 3/8"	1"
CMU/CONCRETE	1/4" TAPCON	1 1/4"	2"

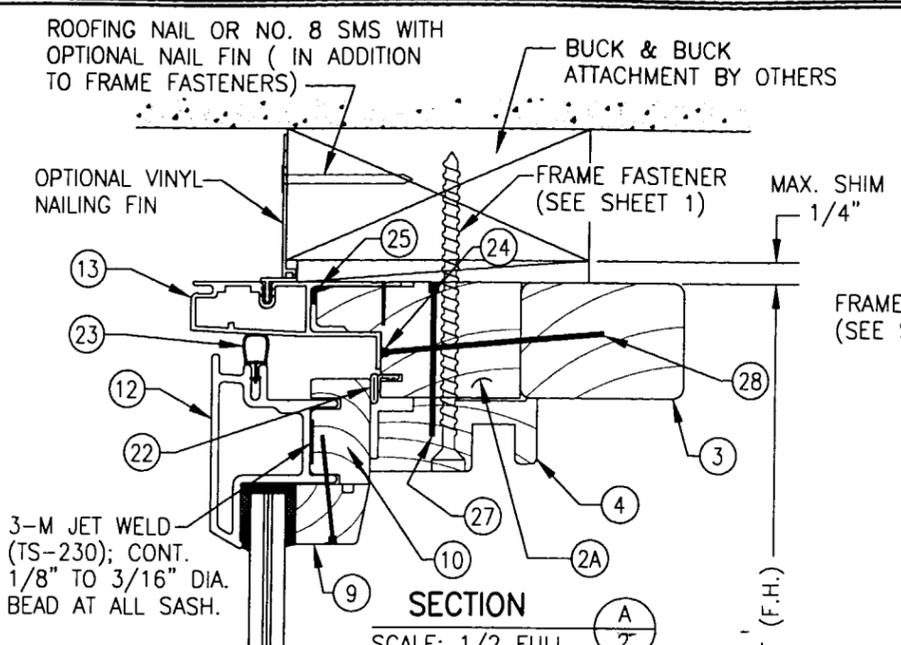
ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A 1X4 P.T. CONTINUOUS SPACER, OR ANCHORED TO A MIN. 2X4 NO. 2 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2X4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 1/4" TAPCONS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

WINDOW HEIGHT	NUMBER OF LOCK POINTS REQUIRED	
	ROTO LOCKS	TRUTH LOCKS
	(18A)	(18B)
64" TO 72"	4	5
54" TO 63"	4	4
38" TO 53"	3	3
19" TO 37"	2	2
18" OR LESS	1	1

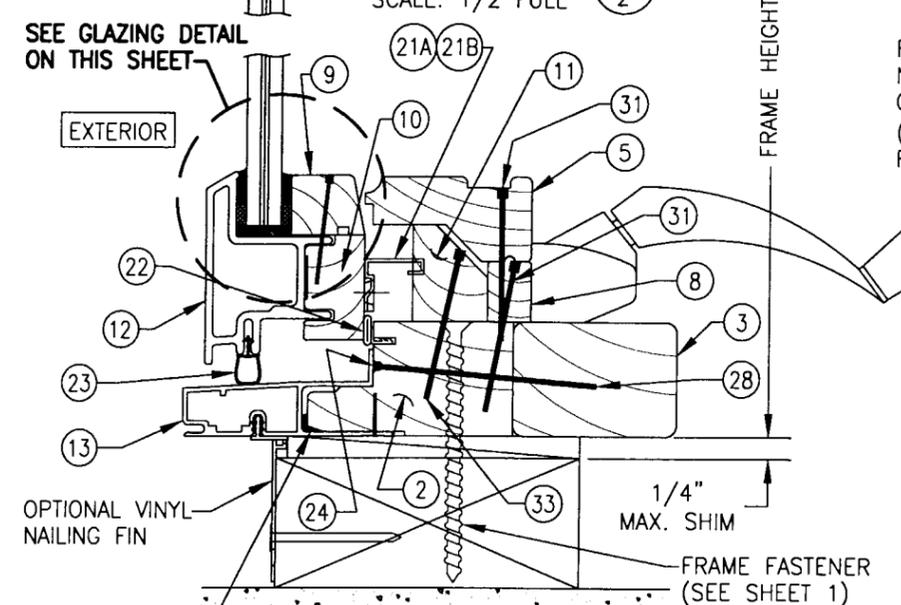
ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
65 PSF	70 PSF

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE January 03, 2002
BY Shaq I. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-1012.01

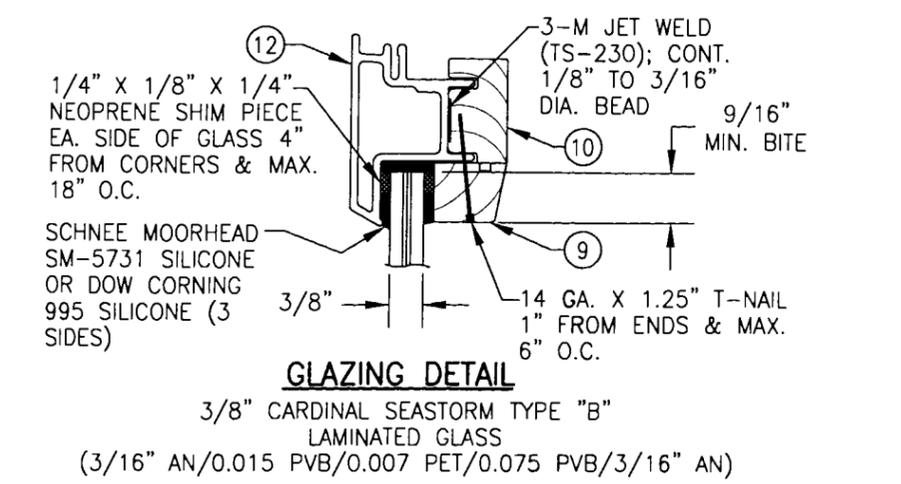
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 07/19/01
DATE	BY
REVISION DESCRIPTION	
NO.	
DRAWING TITLE CLAD WOOD OUTSWING CASEMENT IMPACT WINDOWS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER HURD MILLWORK CO., INC.
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	575 S. WHELEN AVE. MEDFORD, WI 54451 800-433-4873
CERTIFICATION DEC 13 2001	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1044	REV.
SHEET NO. 1	OF 3



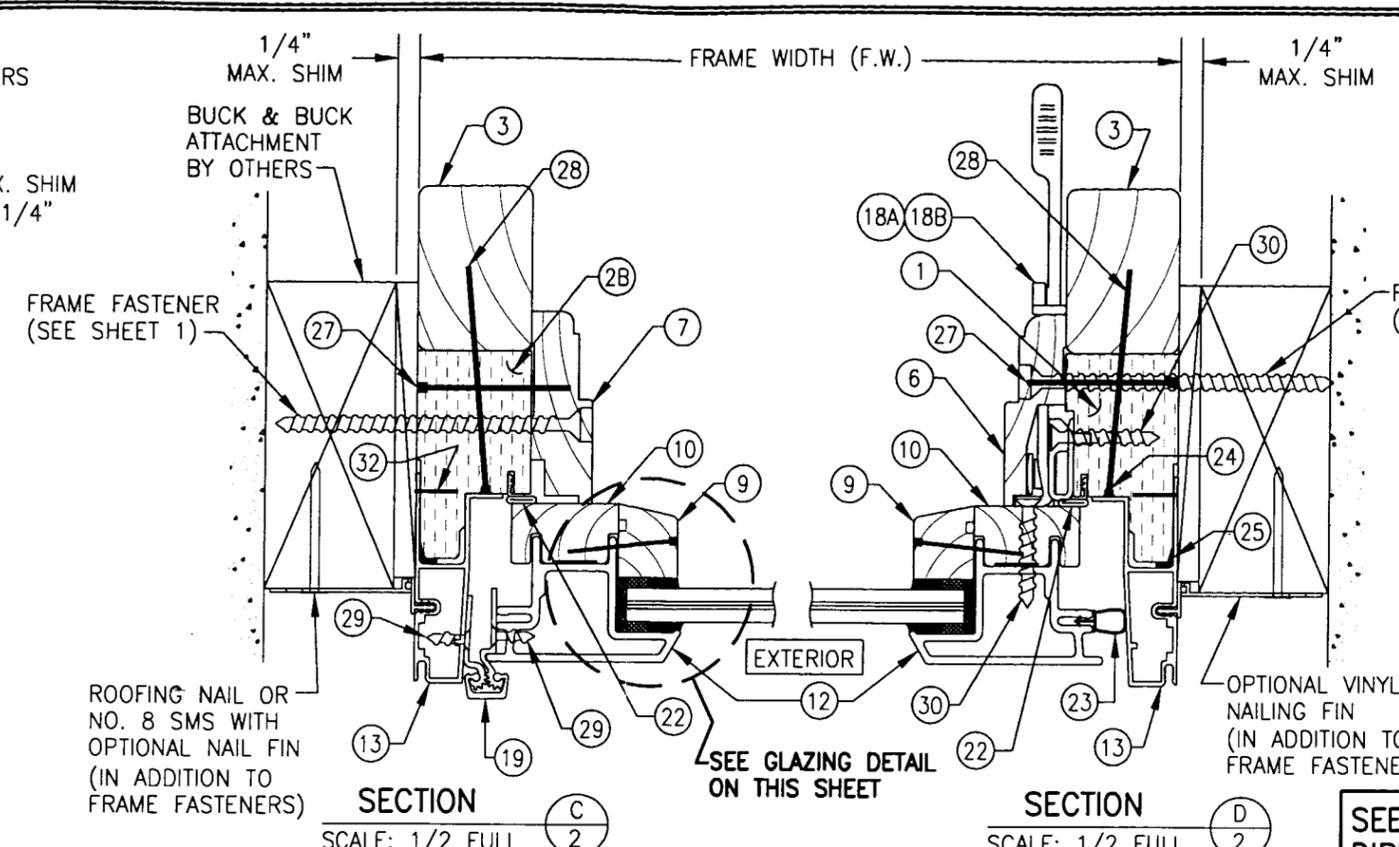
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SCALE: 1/2 FULL



SECTION B
SCALE: 1/2 FULL

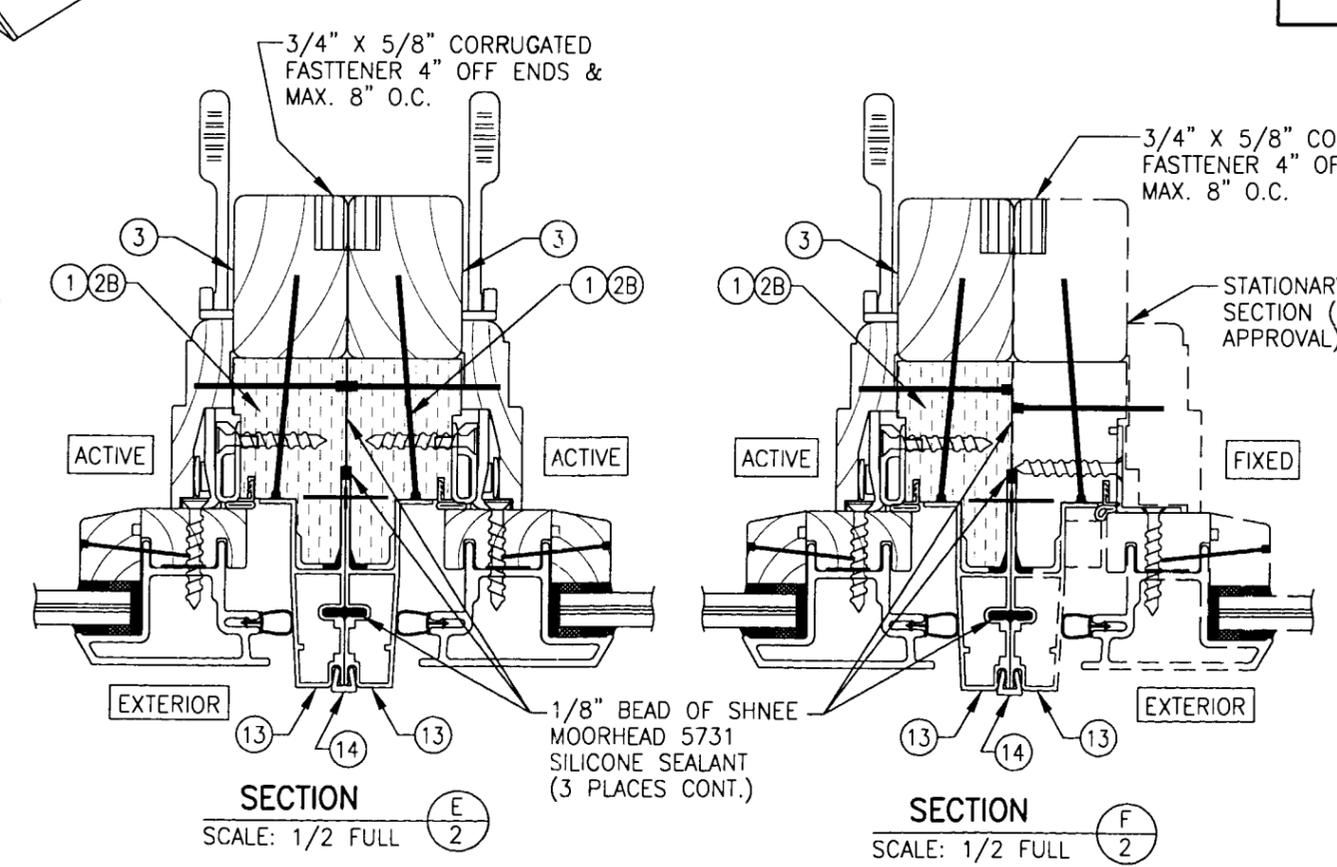


GLAZING DETAIL



SECTION C
SCALE: 1/2 FULL

SECTION D
SCALE: 1/2 FULL



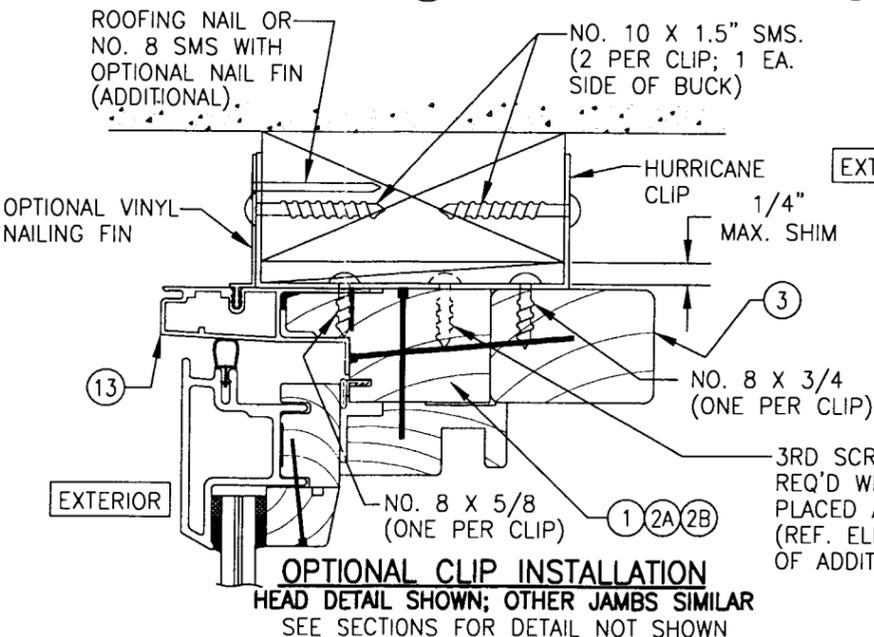
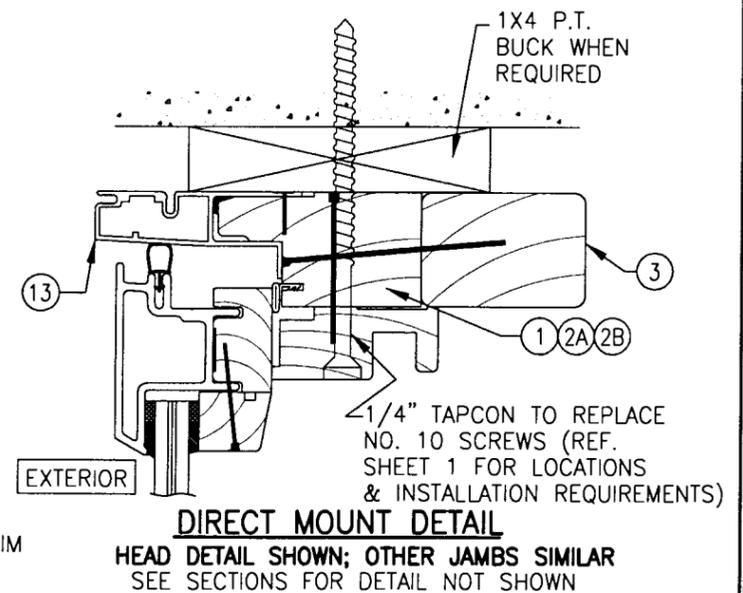
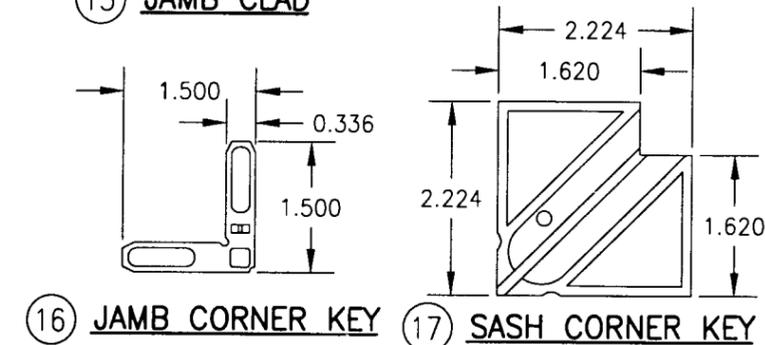
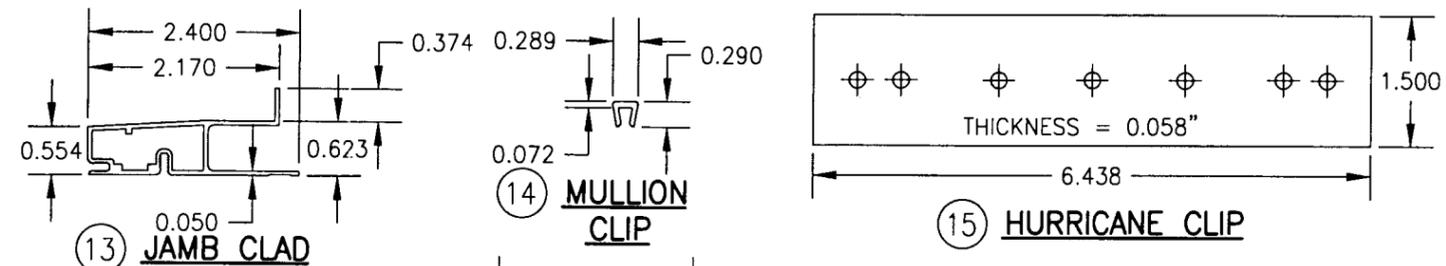
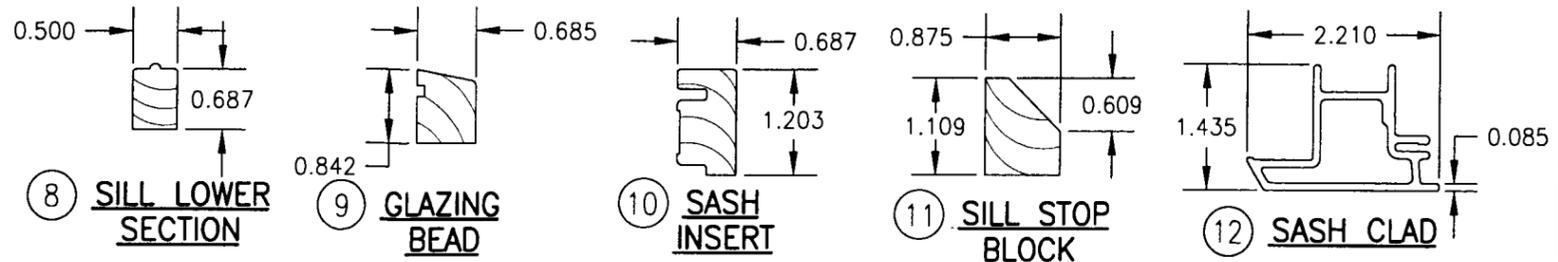
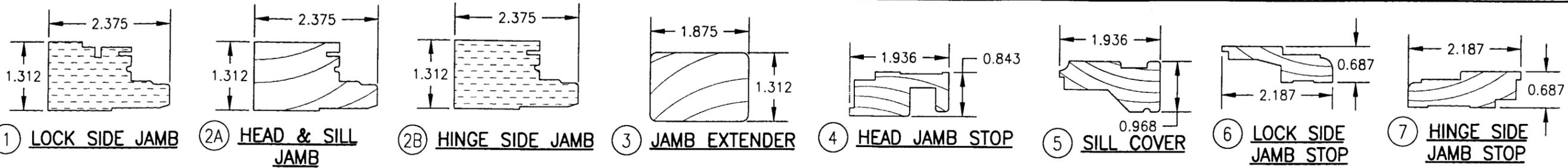
SECTION E
SCALE: 1/2 FULL

SECTION F
SCALE: 1/2 FULL

SEE SHEET 3 FOR "OPTIONAL DIRECT MOUNT" & "OPTIONAL CLIP INSTALLATION DETAILS."

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE Jan 03, 2002
BY Isaac I. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-1012.01

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.	PLOT: 1-2	DATE: 07/19/01
DRAWING TITLE CLAD WOOD OUTSWING CASEMENT IMPACT WINDOWS			
MANUFACTURER HURD MILLWORK CO., INC. 575 S. WHELEN 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 DEC 13 2001 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1044		REV.	
SHEET NO. 2		OF 3	



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	HCCSE223	LOCK SIDE JAMB (1.3E TIMBER STRAND LSL) E = 1300000 PSI; Fb = 1700 PSI	TRUS JOIST MACMILLAN
2A	CCSE215	HEAD & SILL JAMB	* PONDEROSA/SUGAR PINE
2B	CCSE215	HINGE SIDE JAMB (1.3E TIMBER STRAND LSL) E = 1300000 PSI; Fb = 1700 PSI	TRUS JOIST MACMILLAN
3	CCSE225	JAMB EXTENDER	* PONDEROSA/SUGAR PINE
4	CCSE260	HEAD JAMB STOP	* PONDEROSA/SUGAR PINE
5	CCSE285	SILL COVER	* PONDEROSA/SUGAR PINE
6	CCSE235	LOCK SIDE JAMB STOP	* PONDEROSA/SUGAR PINE
7	CCSE245	HINGE SIDE JAMB STOP	* PONDEROSA/SUGAR PINE
8	CCSE290	SILL LOWER SECTION	* PONDEROSA/SUGAR PINE
9	H1205	GLAZING BEAD	* PONDEROSA/SUGAR PINE
10	W1203	SASH INSERT	* PONDEROSA/SUGAR PINE
11	CCSE295	SILL STOP BLOCK (QTY AS REQ'D BY WINDOW SIZE); SUPPORTS COVER.	* PONDEROSA/SUGAR PINE (NON-STRUCTURAL)
12	W1204	SASH CLADDING	OMNIGLASS FIBERTHERM
13	CCSE440	JAMB CLADDING	6063-T5 ALUMINUM
14	CCSE470	CONTINUOUS MULLION CLIP	6060-T5 ALUMINUM
15	-	16 GAGE (0.058" THK.) HURRICANE CLIP	STEEL (Fy = 33 ksi MIN.)
16	CCSE620	JAMB CLAD CORNER KEY	NYLON 66 MATERIAL
17	W1208	SASH CLAD CORNER KEY	ABS FIBERGLASS
HARDWARE			
18A	LB0114AS	ROTO MULTI-POINT LOCK HARDWARE	ROTO
18B	-	TRUTH MULTI-POINT LOCK HARDWARE	TRUTH MIRAGE
19	CCSE1035	ROTON CONTINUOUS GEAR HINGE	6063-T6 ALUMINUM
21A	-	OPERATOR & SASH GUIDE BAR	ROTO
21B	-	OPERATOR & SASH GUIDE BAR	TRUTH
SEALS & SEALANTS			
22	CCSE635	FRAME WEATHER STRIP	AMESBURY TBE SKIN/FOAM FILLED
23	W1207	SECONDARY WEATHER STRIP	PVC (HEAD, SILL & LOCK SIDE)
24	-	1/8" DIA. CONT. BEAD OF SEALANT	SCHNEE MOORHEAD SM-5731
25	-	3/16" BEAD SEALANT @ CLAD CORNERS	SCHNEE MOORHEAD SM-5731
26	CCSE670	0.062" THK. JAMB CLAD CORNER GASKET	CLOSED CELL FOAM
MISCELLANEOUS FASTENERS			
27	-	1 3/4" X 0.08" COIL NAIL (SASH STOP FASTENER)	4" FROM CORNER & 6" O.C.
28	-	2 1/2" 14 GAGE CROWN STAPLE @ JAMB EXTENDER	2" FROM CORNER & 8" O.C.
29	-	NO. 6 X 1/2" S.S. SMS HINGE SCREWS	1" FROM ENDS & 4" O.C.
30	-	NO. 8 X 1 1/4" S.S. SMS	2 AT EACH LOCK & KEEPER; 4 AT OPERATOR; 3 AT GUIDE BAR
31	-	1 3/4" 16 GA T-NAIL (SILL COVER & LOWER SECTION)	1" FROM CORNER & 8-10" O.C.
32	-	GSN-18-1/2" STAPLE (CLAD TO JAMB)	2" FROM CORNER & 6" O.C.
33	-	1 3/4" 16 GA. T-NAIL (SILL STOP BLOCK TO JAMB)	1 PER 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.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 07/19/01
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BY	
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REV. 3	
SHEET NO. 3 OF 3	

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BY Isaac J. Zhan
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ACCEPTANCE NO. 01-1012.01

CERTIFICATION
DEC 13 2001
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135