

SNE Enterprises, Inc.

ACCEPTANCE No.: 01-0302.01

APPROVED : _____

EXPIRES : _____

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This approves an aluminum clad 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 "Vetter/Crestline 312" Aluminum Clad Wood Casement Window – Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No S-2088, Sheets 1 thru 7 of 7, titled "Aluminum Clad Wood Operable Casement Window up to 144.125" x 59.875"," prepared by R. W. Building Consultants, Inc., dated 2/16/01, 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 only, as shown in approved drawings.
3.2 For Design Pressure Rating vs. Window Size, see Design Pressure Rating Table in approved drawings.

4. INSTALLATION

4.1 The aluminum clad wood casement window 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.

Manuel Perez, P.E. Product Control Examiner
Product Control Division

SNE Enterprises, Inc.

ACCEPTANCE No.: 01-0302.01

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EXPIRES : _____

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.

END OF THIS ACCEPTANCE

Manuel Perez, P. E., Product Control Examiner
Product Control Division

SNE Enterprises, Inc.

ACCEPTANCE No.: 01-0302.01

APPROVED : _____

EXPIRES : _____

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA.)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **S-2088**, Sheets 1 thru 7 of 7, titled "Aluminum Clad Wood Operable Casement Window up to 144.125" x 59.875", prepared by R. W. Building Consultants, Inc., dated 2/16/01.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per SFBC, PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94
 - 3) Water Resistance Test, per SFBC, PA 202-94
 - 4) Large Missile Impact Test per SFBC, PA 201-94
 - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
 - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94along with marked-up drawings and installation diagram of an aluminum clad wood casement window, prepared by Certified Testing Laboratory, Inc., Test Report No. **CTL-674W**, dated 2/20/01, signed and sealed by Ramesh C. Patel, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by Mark C. Fetherman, P.E., signed and sealed by Mark C. Fetherman, P.E.

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **99-0908.01** issued to Cardinal DGP for "Cardinal Sea Storm Type B," dated 12/30/99, expiring on 12/30/02.

E. STATEMENTS

1. Statement letter of no financial interest, dated 2/22/01, signed by Tracy G. Rodgers, P.E.
2. Laboratory compliance letter for Test Report No. **CTL-674W**, issued by Certified Testing Laboratories, dated 2/22/01, signed and sealed by Mark C. Fetherman, P.E.

Manuel Perez, P.E., Product Control Examiner
Product Control Division

VETTER/CRESTLINE

312 SERIES ALUMINUM CLAD WOOD
OPERABLE CASEMENT WINDOW, SINGLE & MULLED UNITS

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. DESIGNED PRESSURE RATING SEE TABLE PAGE 1.
5. MIAMI-DADE APPROVED IMPACT RESISTANT SHUTTERS ARE NOT REQUIRED.
6. WHEN MULLING UNITS YOU CAN NOT EXCEED (3) UNITS AND AN OVERALL MAX. FRAME SIZE OF 144.125" x 59.875"
7. WHEN MULLING UNITS WITH A COMBINATION OF OPERABLE AND FIXED UNITS YOU MUST INCLUDE THE FIXED UNIT NOA.

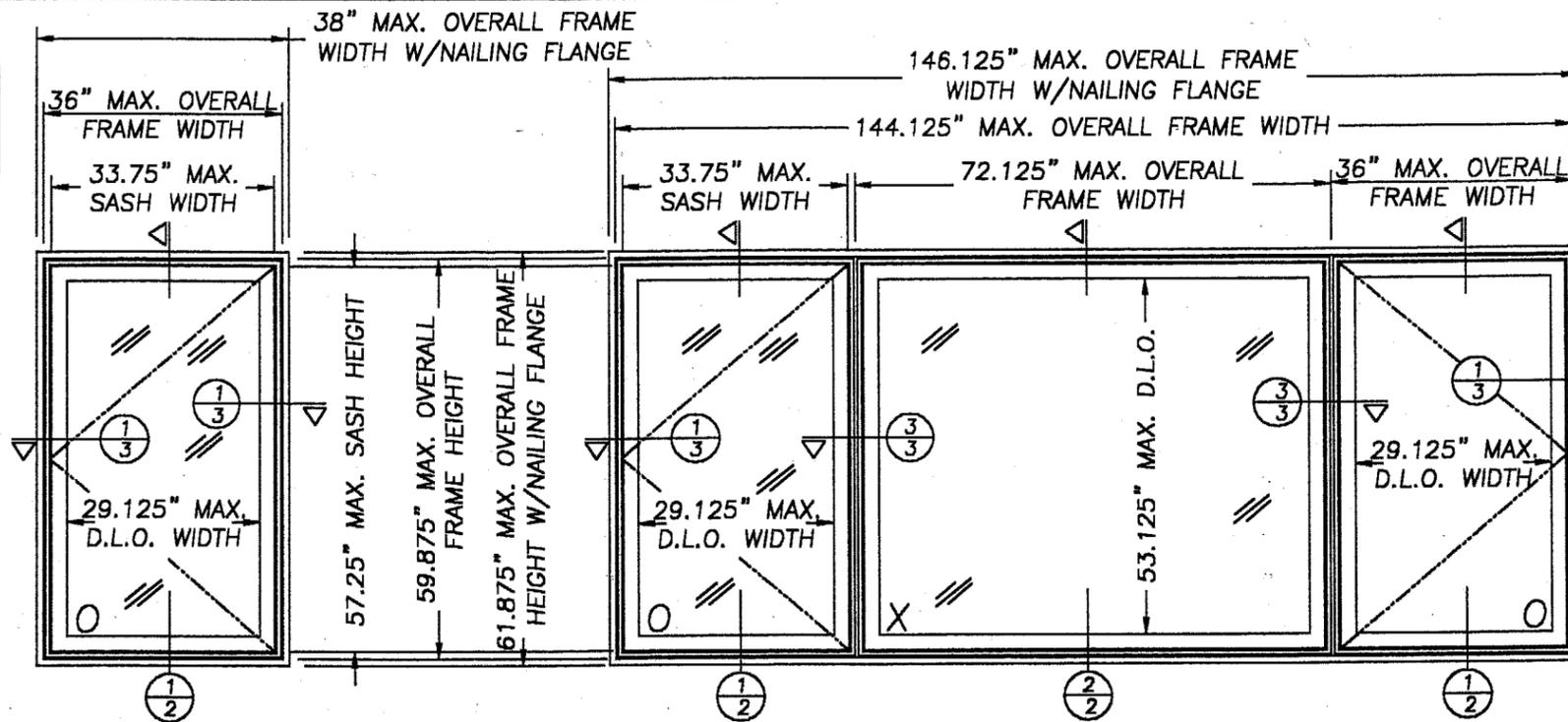
ALUMINUM CLAD WOOD WINDOW CONSTRUCTION (COMMON TO ALL FRAME CONDITIONS)

Frame and Sash Material: Finger jointed Ponderosa pine with a clear veneer applied to the sash components.

Frame Construction: The interior stops are fabricated from solid pine. The exterior surface is clad with 6063-T6 extruded aluminum (min. wall thickness of .040"). The corners are butt joined and fastened with (3) 16ga. 7/16" x 2.0" galvanized staples. The extruded aluminum cladding is mitre cut and joined at the corners with #7 x 5/8" Phillips screws.

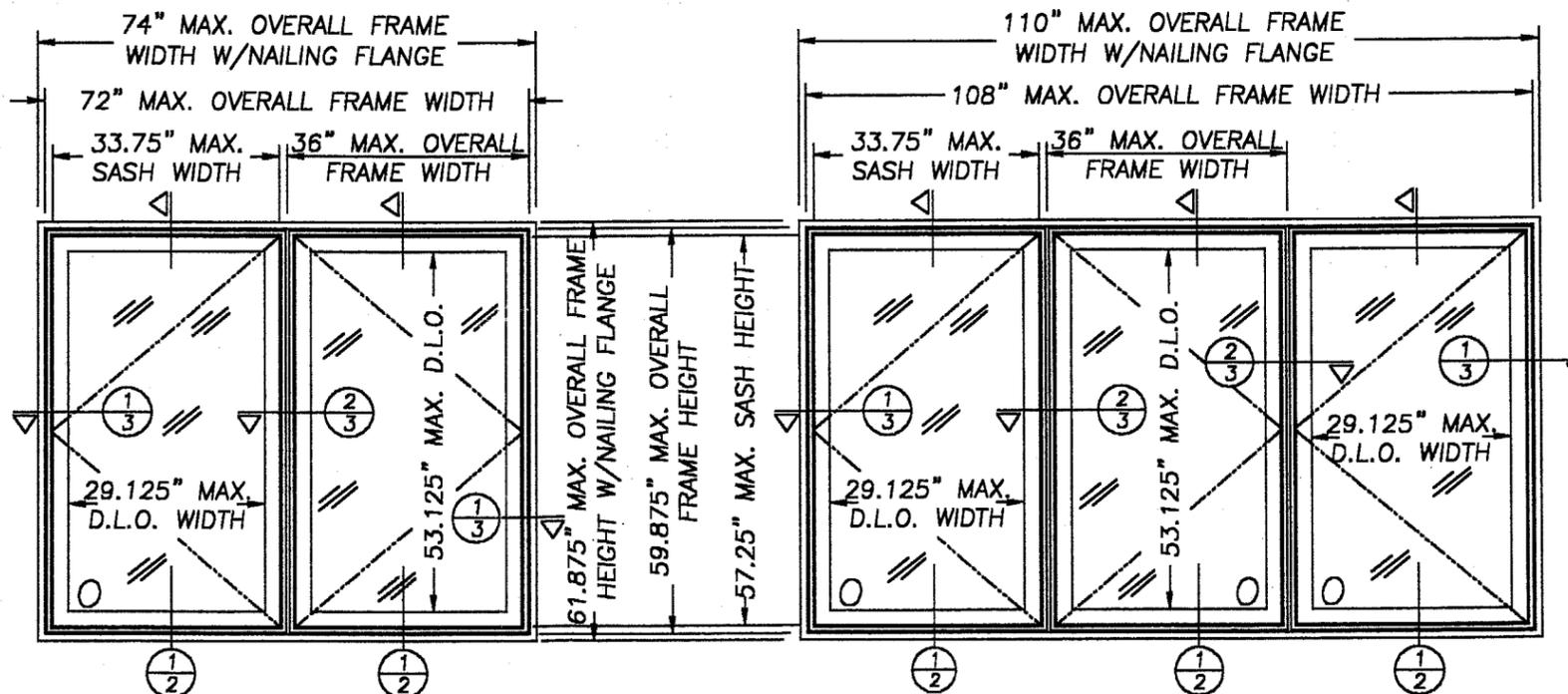
Sash Construction: The corners are tenoned and secured with (1) #8 x 1 1/2" stainless steel Phillips screw. The exterior surfaces are clad with 6063-T6 extruded aluminum (min. wall thickness of .055"). The corners are mitered and the extrusion is then slid onto the sash stiles and rails before the stiles and rails are interlocked.

Glazing: 0.399" Annealed Laminated Glass by Cardinal (Sea Storm Type B, 0.151" Annealed - 0.045" PVB - 0.007" PET - 0.045" PVB - 0.151" Annealed). The exterior is wet glazed with Novaflex by Novaguard with an average area of 0.125" thick. The interior side of the glass is captured by a wood glazing bead which is fastened to the sash with #6 x 1.0" Phillips flathead wood screws.



OPERABLE SINGLE CASEMENT

OPERABLE/FIXED TRIPLE MULLED CASEMENT



OPERABLE DOUBLE MULLED CASEMENT

OPERABLE TRIPLE MULLED CASEMENT

ALL ELEVATIONS ARE VIEWED FROM EXTERIOR

DESIGN PRESSURE RATING

UNIT TYPE	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	
36" x 60" W/(3) NYLON CAM LOCKS	+65.0	-65.0 PSF
36" x 60" W/(2) STEEL CAM LOCKS	+65.0	-65.0 PSF
36" x 60" W/(3) STEEL CAM LOCKS	+75.0	-80.0 PSF
DOUBLE OR TRIPLE MULLED UNIT	+60.0	-60.0 PSF

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	GENERAL NOTES & TYPICAL ELEVATIONS
2	VERTICAL CROSS SECTIONS
3	HORIZONTAL CROSS SECTIONS & GLAZING DETAIL
4	ANCHORING LOCATIONS
5	UNIT COMPONENTS & BILL OF MATERIALS
6	UNIT COMPONENTS
7	SASH LOCK OPTIONS & HARDWARE

SNE
ENTERPRISES, INC.
1000 SOUTH VIEW DR.
MOSINEE, WI 54455
PH. 715.693.7000

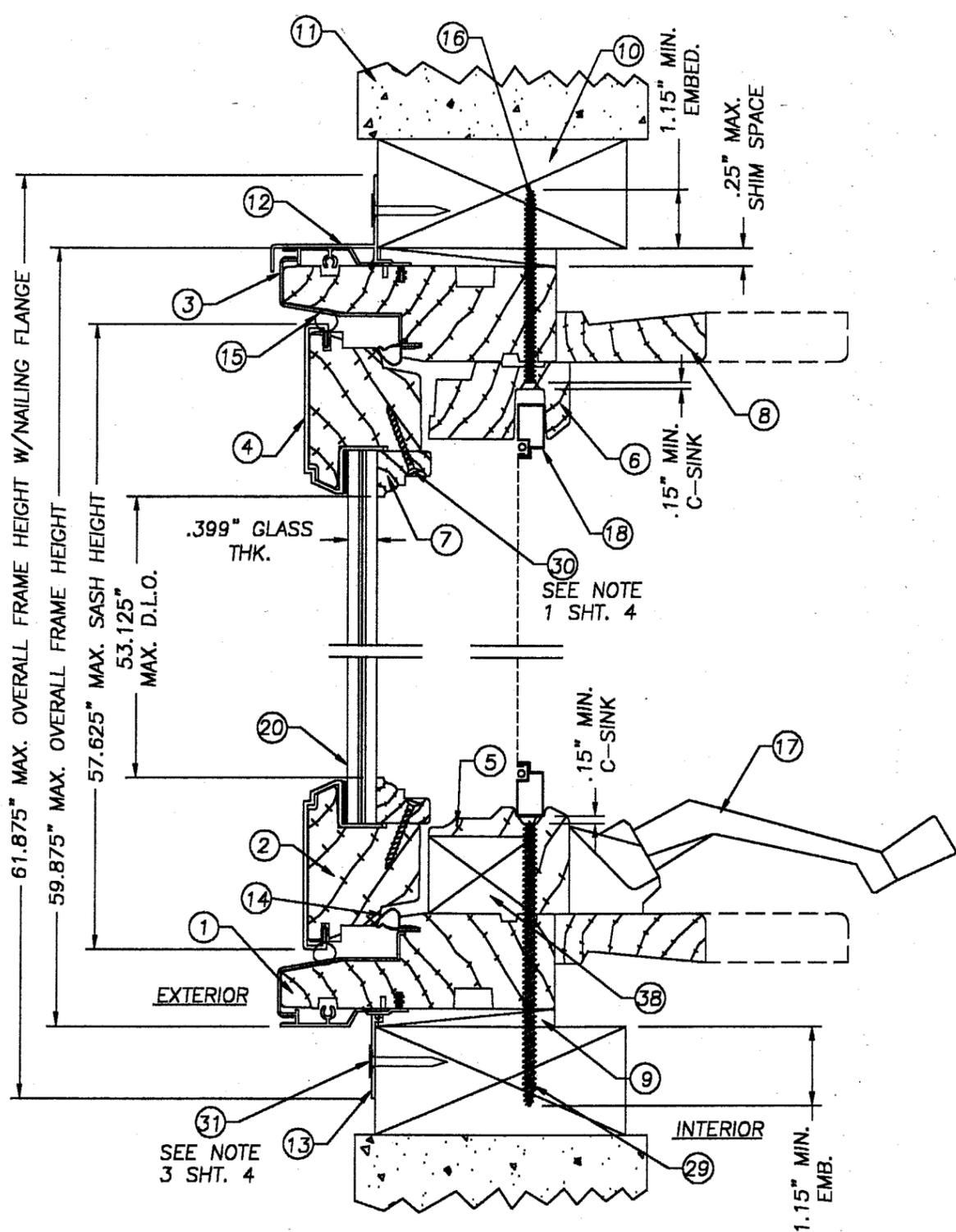
PRODUCT: ALUMINUM CLAD WOOD OPERABLE CASEMENT WINDOW UP TO 144.125" x 59.875"
PART OR ASSEMBLY:
GENERAL NOTES & TYPICAL ELEVATIONS

NO.	DATE	REVISIONS	BY

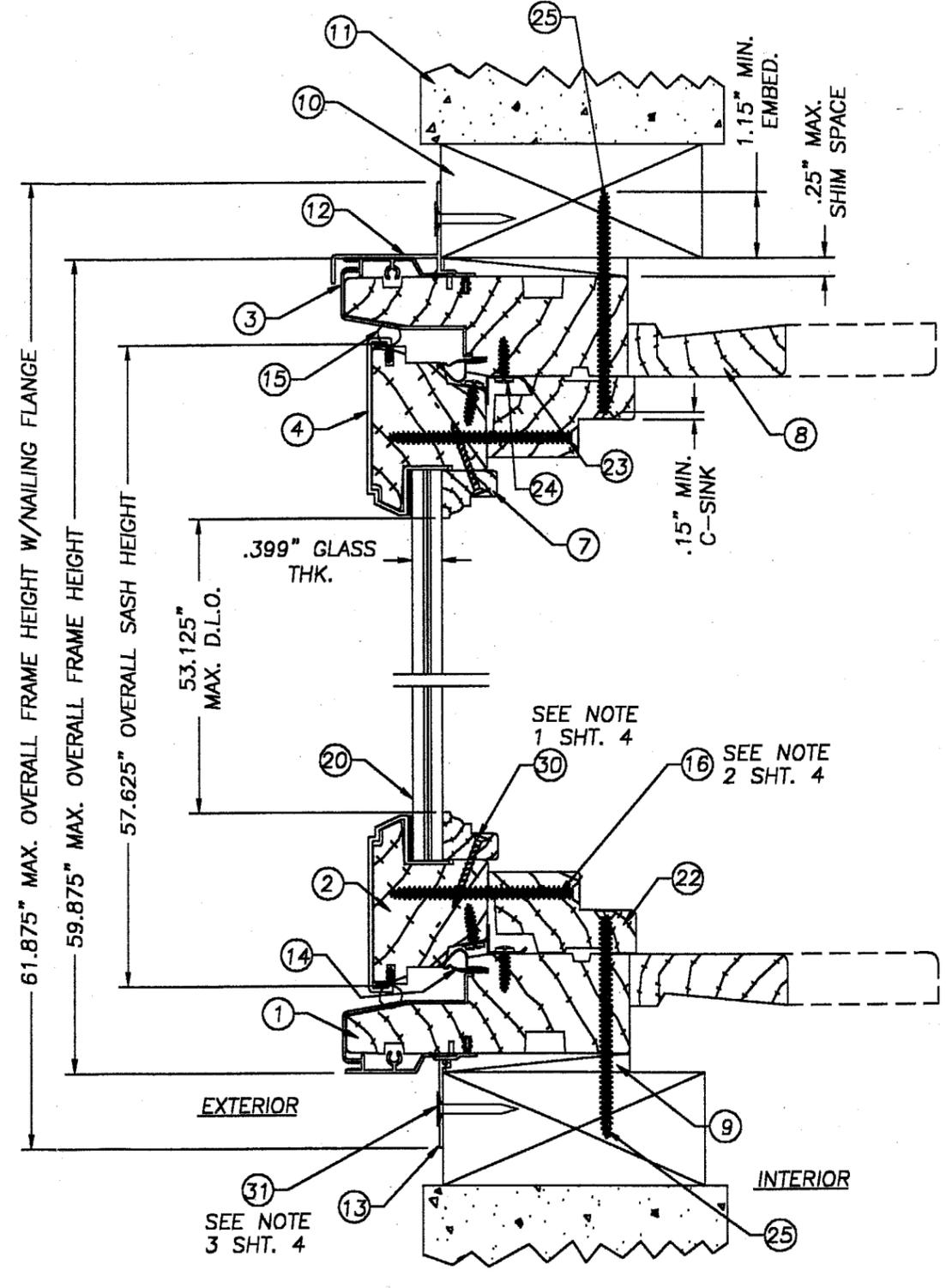
RW BUILDING CONSULTANTS, INC.
813.684.3831

DATE: 02/16/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2088
SHEET 1 OF 7

01-0302-01



1 VERTICAL CROSS SECTION
2 OPERABLE SASH



2 VERTICAL CROSS SECTION
2 FIXED SASH

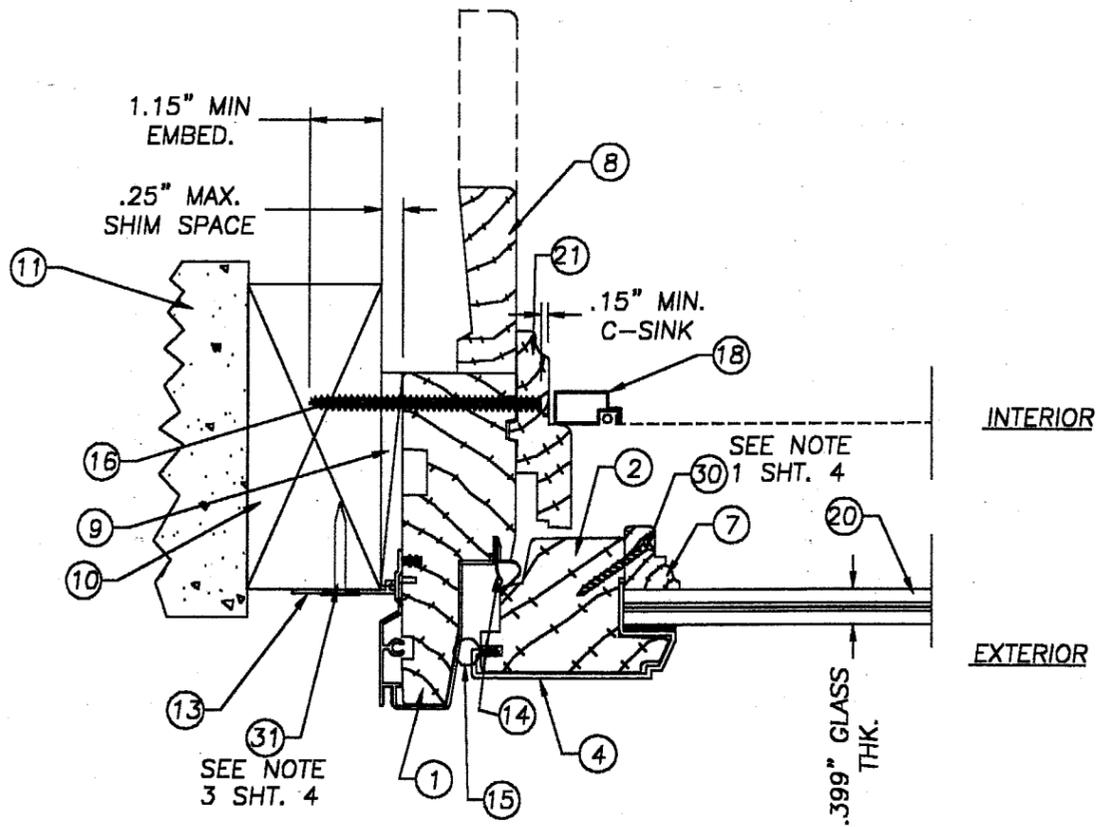
SNE
ENTERPRISES, INC.
1000 SOUTH VIEW DR.
MOSINEE, WI 54455
PH. 715.693.7000

PRODUCT: ALUMINUM CLADD WOOD
OPERABLE CASEMENT WINDOW
UP TO 144.125" x 59.875"
PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

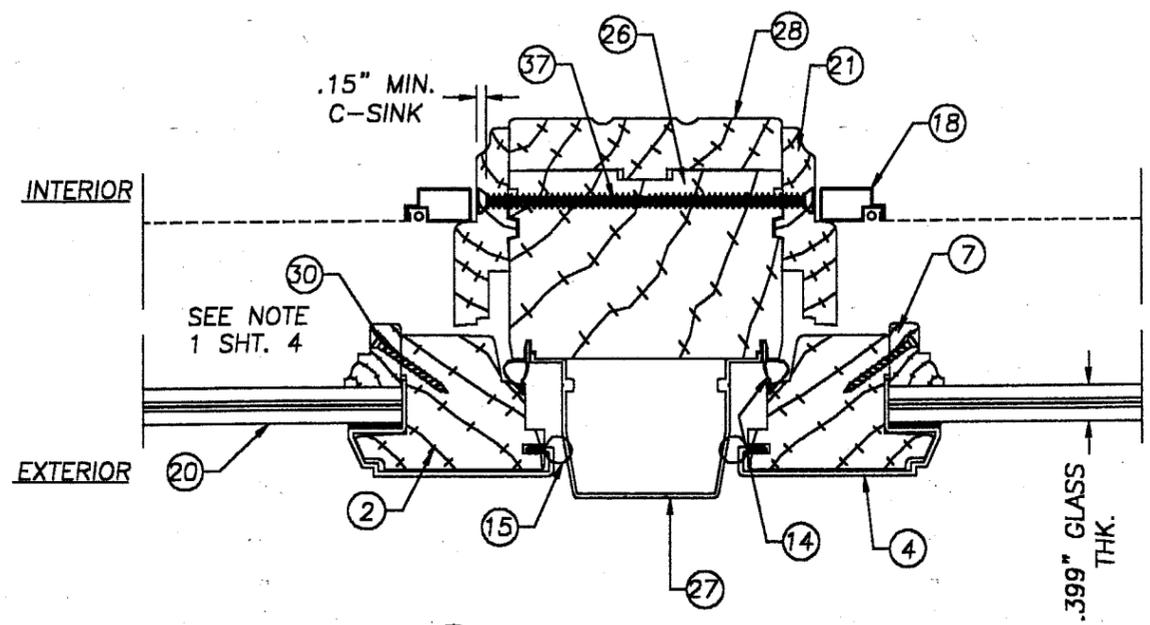
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RW BUILDING
CONSULTANTS, INC.
813.684.3831

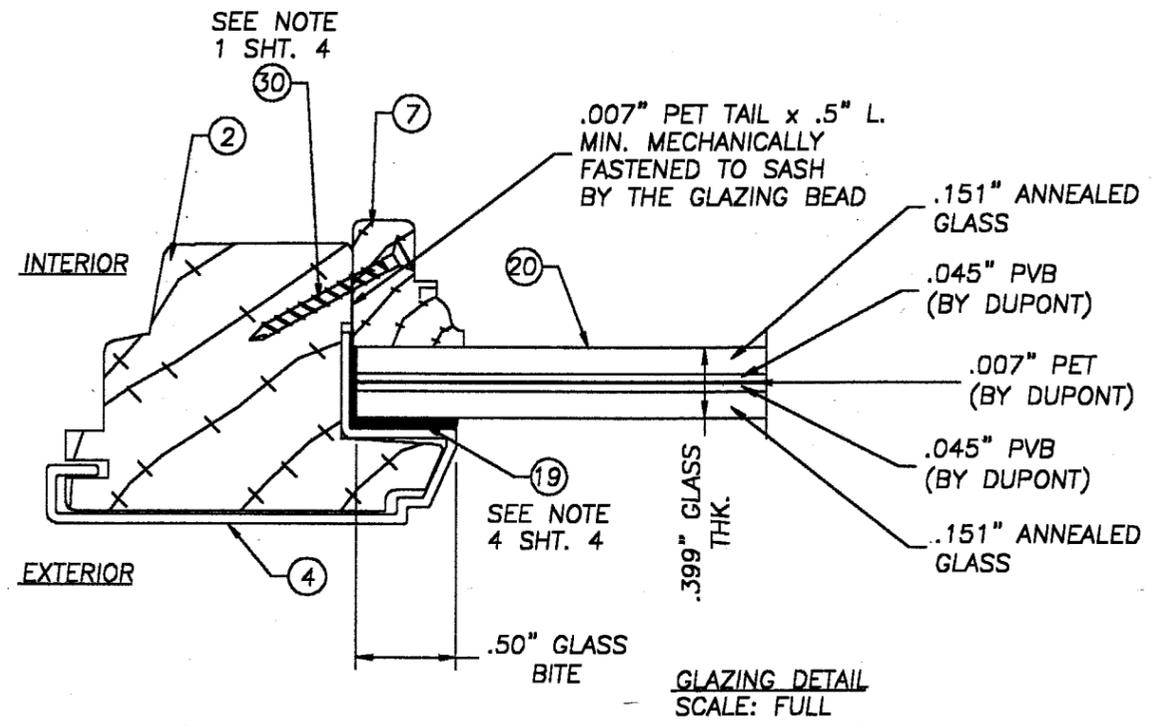
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SCALE: 1/2" = 1"
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.:
S-2088
SHEET 2 OF 7



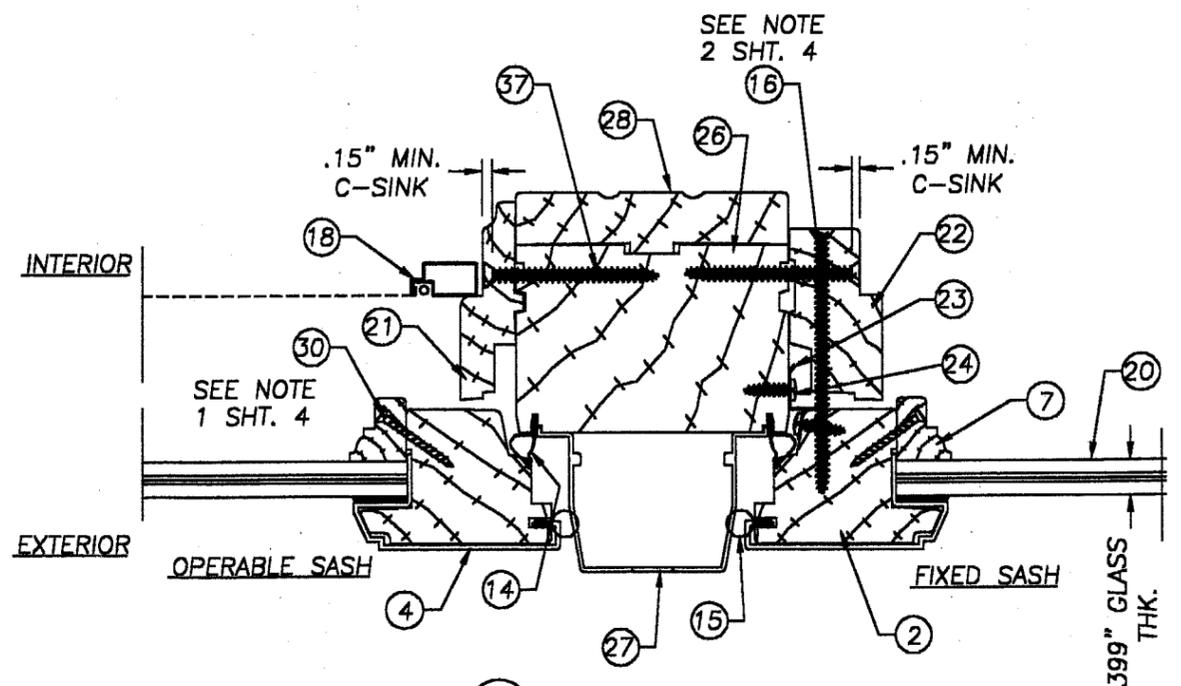
1 HORIZONTAL CROSS SECTION
3 OPERABLE SASH TO BUCK, TYP.
SCALE: 1/2" = 1"



2 HORIZONTAL CROSS SECTION
3 MULLION, OPERABLE SASH TO OPERABLE SASH, TYP.
SCALE: 1/2" = 1"



GLAZING DETAIL
SCALE: FULL



3 HORIZONTAL CROSS SECTION
3 MULLION, OPERABLE SASH TO FIXED SASH, TYP.
SCALE: 1/2" = 1"

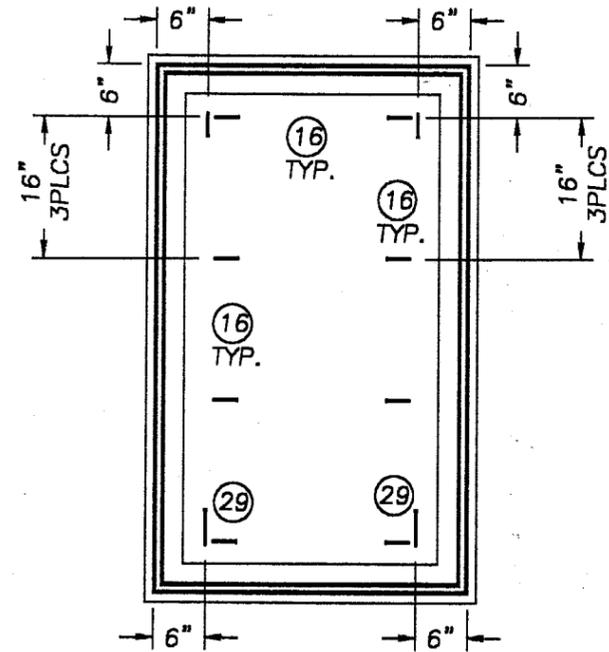
SNE
ENTERPRISES, INC.
1000 SOUTH VIEW DR.
MOSINEE, WI 54455
PH. 715.693.7000

PRODUCT:
ALUMINUM GLAD WOOD
OPERABLE CASEMENT WINDOW
UP TO 144.125" x 59.875"
PART OR ASSEMBLY:
HORIZONTAL CROSS
SECTIONS & GLAZING DETAIL

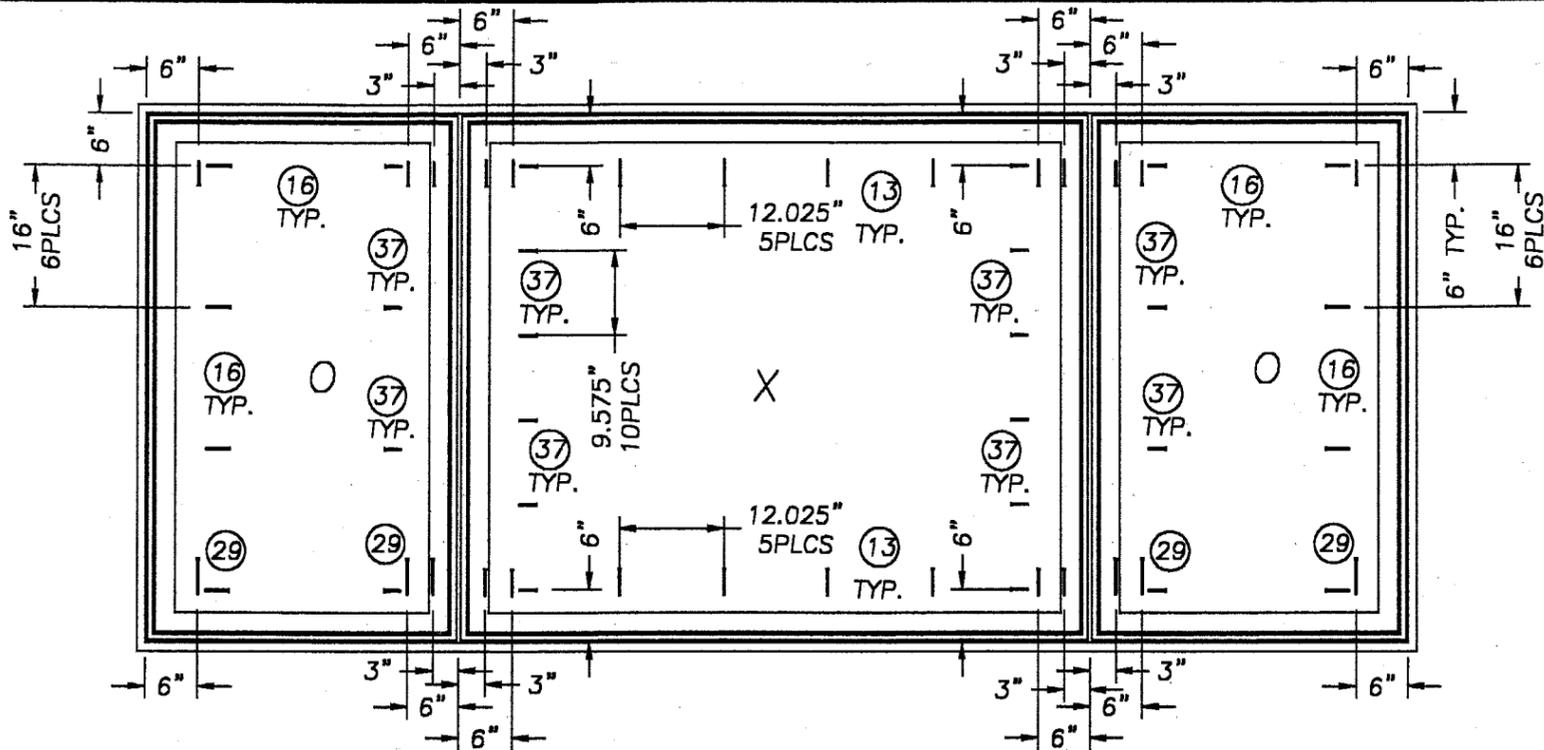
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CONSULTANTS, INC.
813.684.3831

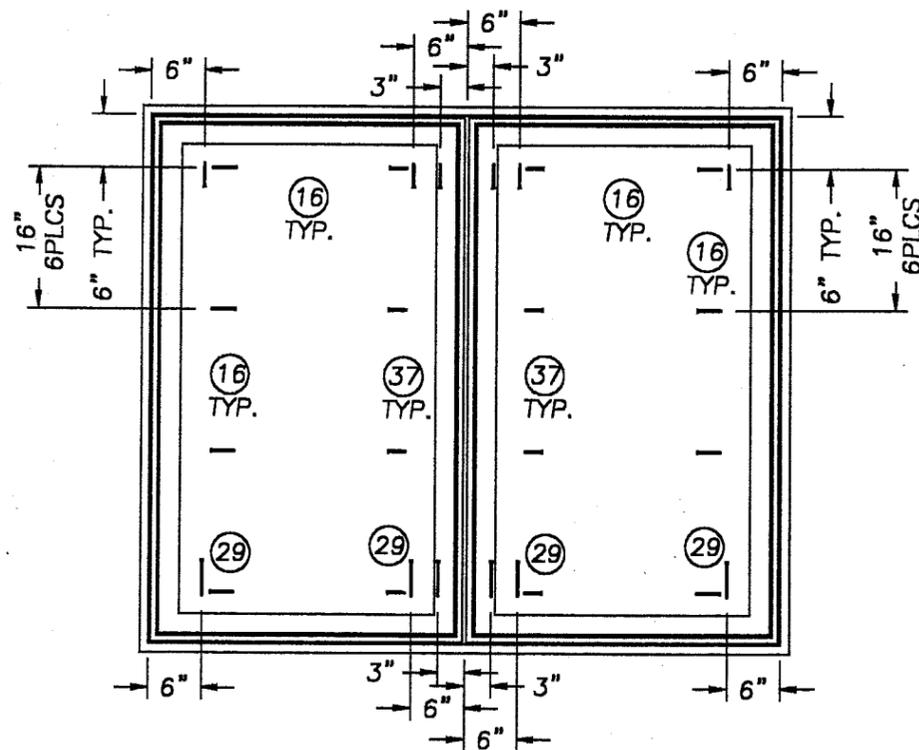
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CHK. BY: RW
DRAWING NO.: S-2088
SHEET 3 OF 7



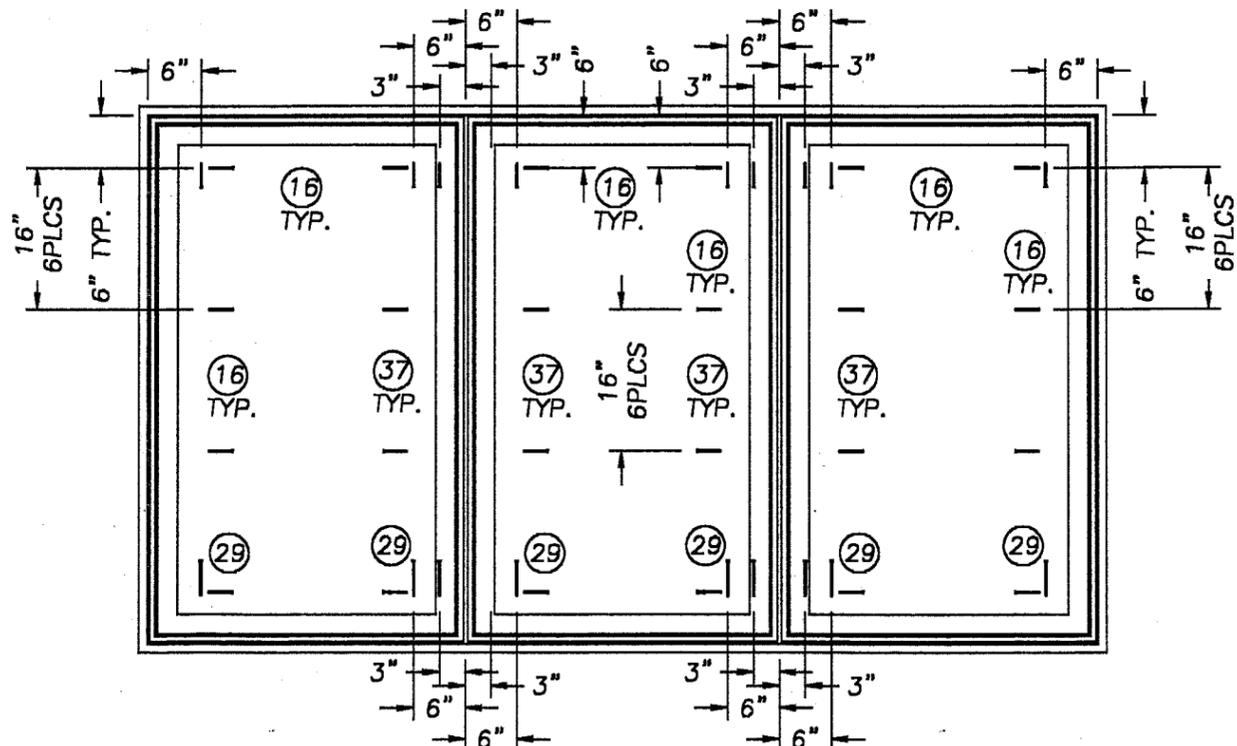
OPERABLE SINGLE CASEMENT



OPERABLE/FIXED TRIPLE MULLED CASEMENT



OPERABLE DOUBLE MULLED CASEMENT



OPERABLE TRIPLE MULLED CASEMENT

NOTES:

1. SPACING FOR ITEM # 30 THE #6 x 1" SCREW ATTACHING THE GLAZING BEAD TO THE SASH IS AS FOLLOWS: 2.5" IN FROM CORNERS AND A MAXIMUM OF 10" O.C.
2. SPACING FOR ITEM #16 THE #8 X 2 3/4" SCREW ATTACHING THE FIXED INTERIOR STOP TO THE SASH IS AS FOLLOWS: 6" IN FROM CORNERS AND (2) MORE EQUALLY SPACED, A TOTAL OF (4) PER SIDE.
3. SPACING FOR ITEM #31 THE 1" ROOFING NAIL ANCHORING THE NAILING FLANGE IS AS FOLLOWS: 3.5" IN FROM CORNERS AND A MAXIMUM OF 10" O.C.
4. A MINIMUM OF .125" THICK BEAD OF NOVAFLEX SILICONE IS REQUIRED ON THE EXTERIOR SIDE OF THE GLAZING.

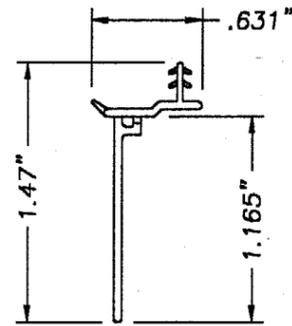
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 ENTERPRISES, INC.
 1000 SOUTH VIEW DR.
 MOSINEE, WI 54455
 PH. 715.693.7000

PRODUCT: ALUMINUM CLAD WOOD
 OPERABLE CASEMENT WINDOW
 UP TO 144.125" x 59.875"
 PART OR ASSEMBLY:
 ANCHORING LOCATIONS &
 NOTES

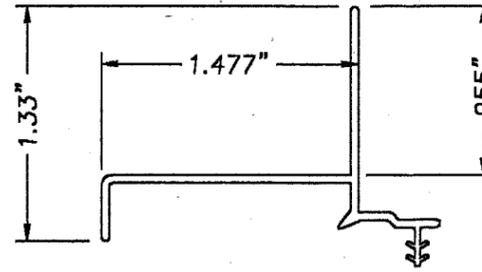
NO.	DATE	REVISIONS	BY

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 CONSULTANTS, INC.
 813.684.3831

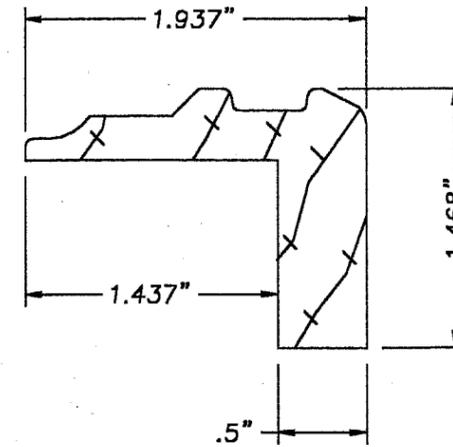
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 CHK. BY: RW
 DRAWING NO.: S-2088
 SHEET 4 OF 7



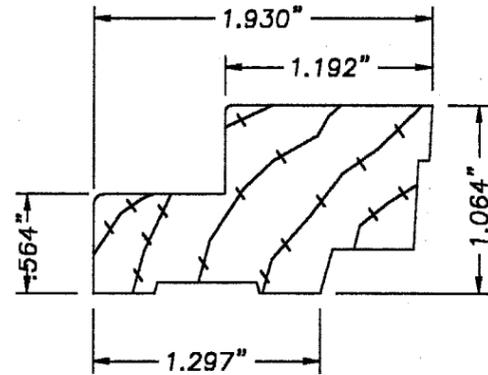
RIGID NAILING FIN
EXTRUDED PVC .045"



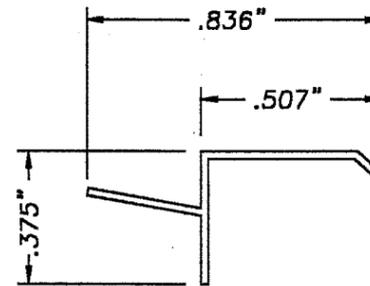
DRIP CAP/NAILING FIN
EXTRUDED PVC .045"



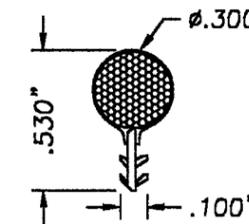
INTERIOR SILL STOP (OPERABLE)
WOOD



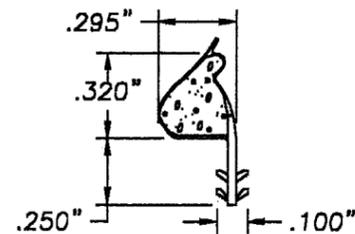
INTERIOR STOP (FIXED)
WOOD



SASH LOCK DOWN CLIP
.021" STEEL
SCALE: 2X



SASH WEATHERSTRIP BULB
TPE SKIN W/CLOSED CELL FOAM



FRAME WEATHERSTRIP
POLYPRO/TPE SKIN W/FOAM CORE

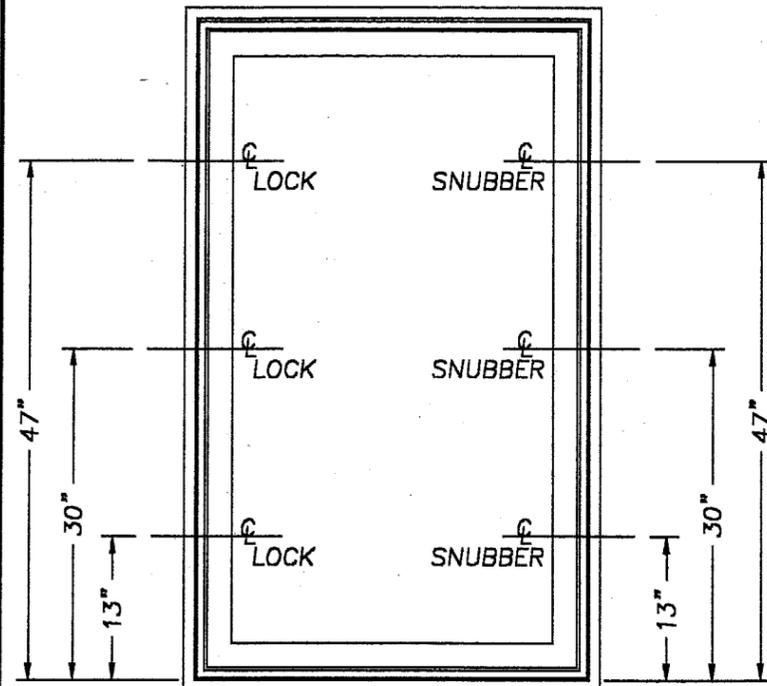
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ENTERPRISES, INC.
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MOSINEE, WI 54455
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PRODUCT:
ALUMINUM CLAD WOOD
OPERABLE CASEMENT WINDOW
UO TO 144.125" x 59.875"
PART OR ASSEMBLY:
UNIT COMPONENTS

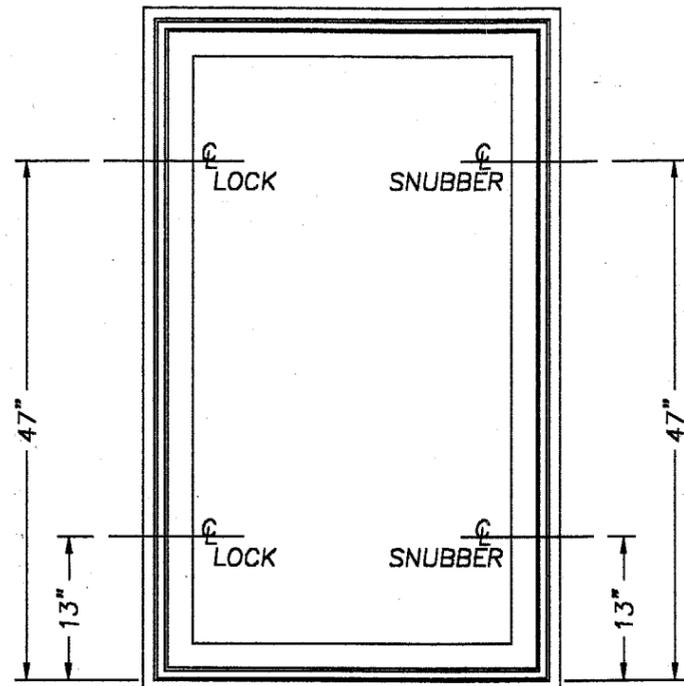
NO.	DATE	REVISIONS	BY

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CONSULTANTS, INC.
813.684.3831

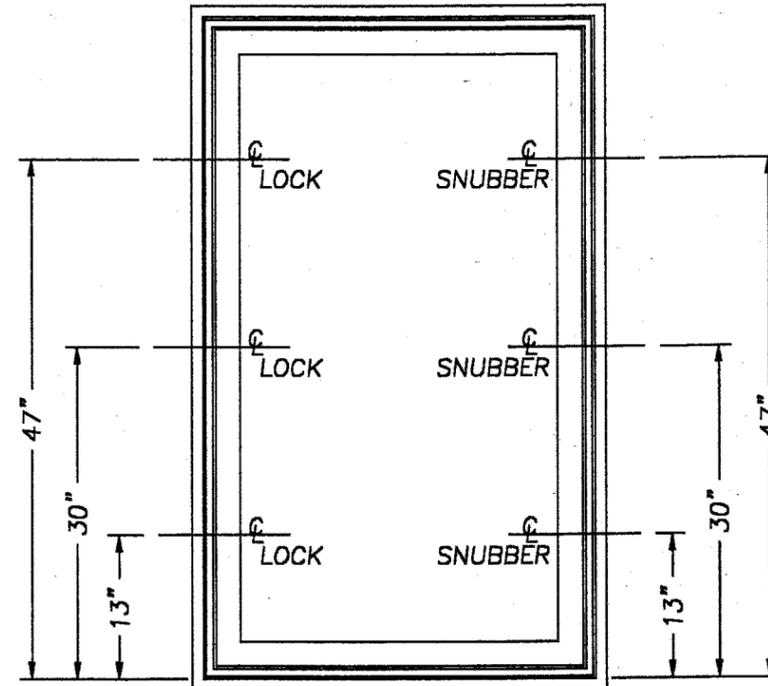
DATE: 02/16/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.:
S-2088
SHEET 6 OF 7



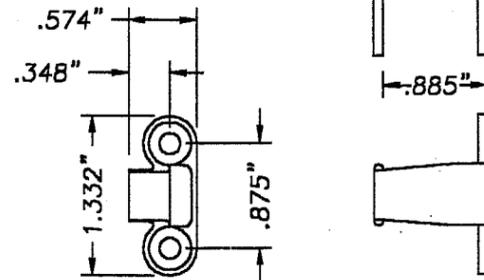
OPERABLE SINGLE CASEMENT
W/(3) NYLON CAM LOCKS
 (TRUTH HARDWARE HOME GARD SASH LOCK)
 DESIGN PRESSURE RATING: +65 -65



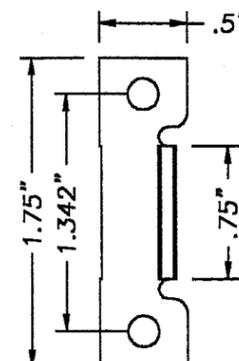
OPERABLE SINGLE CASEMENT
W/(2) STEEL CAM LOCKS
 (TRUTH HARDWARE NON-HANDED,
 LOW PROFILE SASH LOCK)
 DESIGN PRESSURE RATING: +65 -65



OPERABLE SINGLE CASEMENT
W/(3) STEEL CAM LOCKS
 (TRUTH HARDWARE NON-HANDED,
 LOW PROFILE SASH LOCK)
 DESIGN PRESSURE RATING: +75 -80



36 KEEPER
 TRUTH HARDWARE #31358
 HIGH STRENGTH STEEL
 USED W/ITEM #32



35 SNUBBER 80DEG.
 ALL METAL STAMPING #1605
 ANNEALED 301/304
 STAINLESS STEEL

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PRODUCT: ALUMINUM CLAD WOOD
 OPERABLE CASEMENT WINDOW
 UP TO 144.125" x 59.875"
 PART OR ASSEMBLY:
 SASH LOCK OPTIONS
 & HARDWARE

NO.	DATE	BY	REVISIONS

RW BUILDING
 CONSULTANTS, INC.
 813.684.3831

DATE: 02/16/01
 SCALE: N.T.S.
 DWG. BY: TJH
 CHK. BY: RW
 DRAWING NO.:
 S-2088
 SHEET 7 OF 7