



MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING

**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

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**American Warming and Ventilating (AWV)**  
**405 Fentress Boulevard**  
**Daytona Beach FL 32114**

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT SECTION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

Your application for Product Approval of:

**6" Louver System Model No LE-32**

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 approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime 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 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.: 99-1227.15**

**Expires: 07/27/2003**

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 Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director

Miami-Dade County  
Building Code Compliance Office

**Approved: 07/27/2000**



**American Warming & Ventilating.**

**ACCEPTANCE No. : 99-1227.15**

**APPROVED : Jul 27, 2000**

**EXPIRES : Jul 27, 2003**

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

1.1 This approve extruded aluminum louvers, 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 **AWV 6" louver system model LE-32** and its components shall be constructed in strict compliance with the following documents: Drawing No. 31604-6, titled "LE-32 Test Louver Arch. & Non-Arch. Louver" prepared by American Warming & Ventilating, dated 06/16/00, with no revisions. They bear 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 All permanent set components, included but not limited to embedded anchor bolts, metal shields, headers and sills, must be protected against corrosion, contamination and damage at all time.  
3.2 This approval applies to single unit and side by side applications as shown on the approved drawings  
3.3 Units with dimensions equal to or smaller than those shown in the approved drawings shall qualify under this approval.  
3.4 Thermal efficiency of this product is not part of this approval.

**4. INSTALLATION**

4.1 The louvers shall be installed in strict compliance with the approved drawings.  
4.2 The installation of this product **will not** require a hurricane protection system.  
4.3 This louver is to be installed in a location where the room behind the louver is designed to drain water penetrating the room, or the room will house water resistant equipment, components, supplies, etc.

**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.

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

**American Warming & Ventilating.**

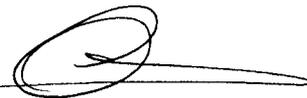
**ACCEPTANCE No. :** 99-1227.15

**APPROVED :** Jul 27, 2000

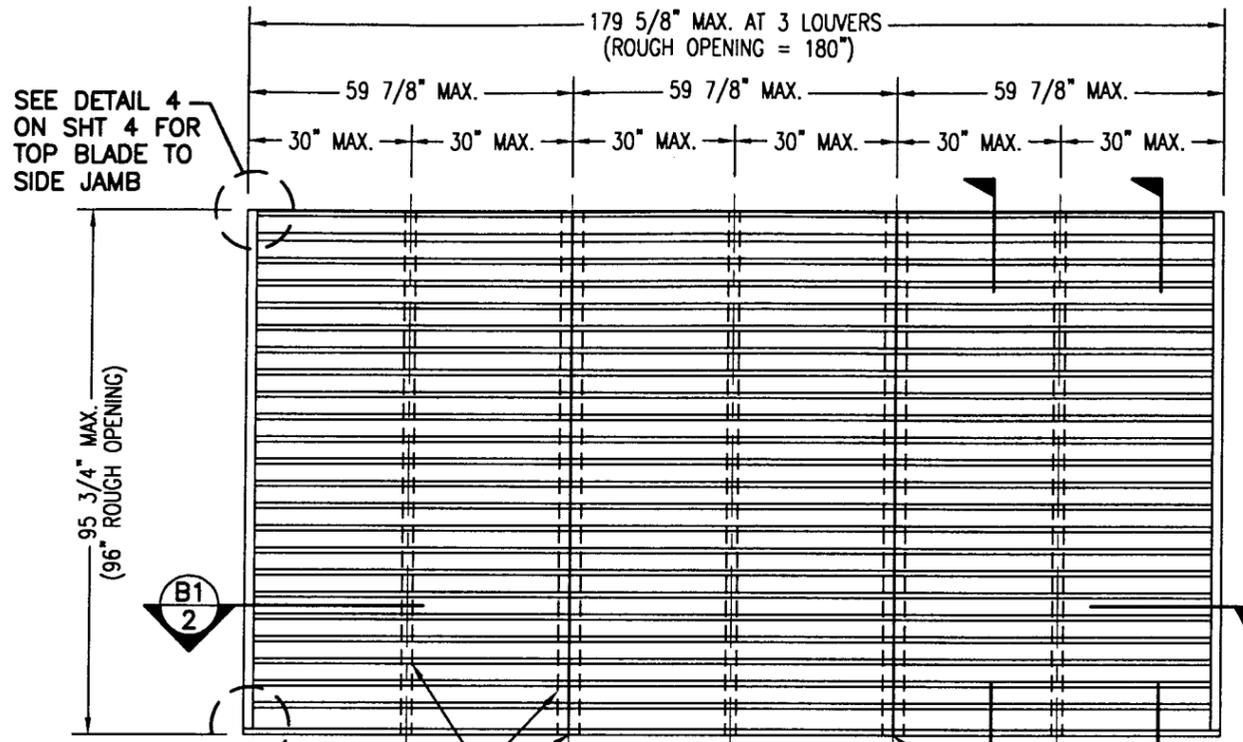
**EXPIRES :** Jul 27, 2003

**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 documents, 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 Approval", 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 purposes.
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., Senior Product Control Examiner  
Product Control Division



SEE DETAIL 4 ON SHT 4 FOR TOP BLADE TO SIDE JAMB

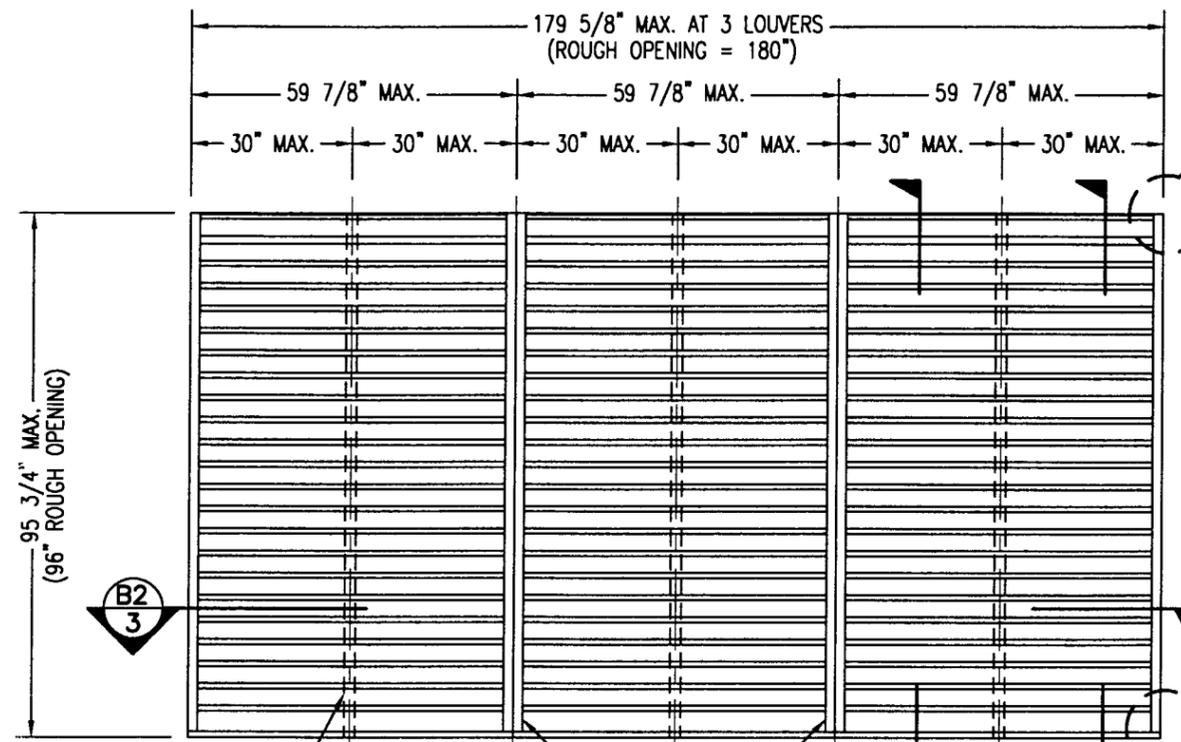
SEE CORNER DETAIL ON THIS SHEET.

HIDDEN LINES ARE FOR SUPPORT ANGLES AT BACK SIDE OF LOUVERS.

**EXTERIOR ELEVATION  
ARCHITECTURAL 6" LOUVER**

SCALE: 3/8"=1'-0"

NOTE: THIS LOUVER SYSTEM MAY CONSIST OF AN UNLIMITED NUMBER OF SECTIONS PROVIDING EACH SECTION DOES NOT EXCEED 59 7/8" X 95 3/4" IN SIZE.



SEE DETAIL 4 ON SHT 4 FOR TOP BLADE TO SIDE JAMB

SEE CORNER DETAIL ON THIS SHEET.

HIDDEN LINES ARE FOR SUPPORT ANGLES AT BACK SIDE OF LOUVERS.

**EXTERIOR ELEVATION  
NON-ARCHITECTURAL 6" LOUVER**

SCALE: 3/8"=1'-0"

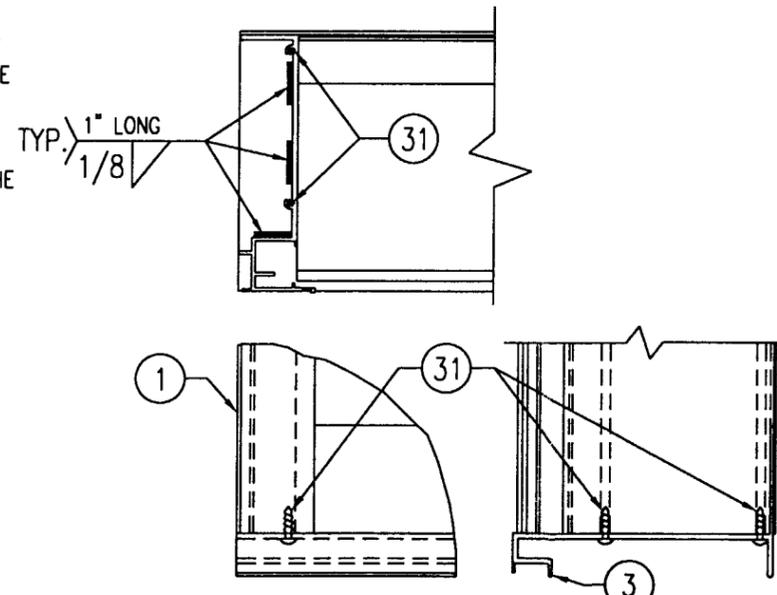
NOTE: THIS LOUVER SYSTEM MAY CONSIST OF AN UNLIMITED NUMBER OF SECTIONS PROVIDING EACH SECTION DOES NOT EXCEED 59 7/8" X 95 3/4" IN SIZE.

MAX. ALLOWABLE DESIGN WIND PRESSURE	
POSITIVE	NEGATIVE
150 PSF	150 PSF

NOTE: SEE LOAD TABLE ON SHEET 7 FOR VARIATIONS OF PRESSURES WITH RESPECT TO PANEL WIDTH & CLIP SPACING.

**GENERAL NOTES:**

1. MAXIMUM ALLOWABLE INDIVIDUAL PANEL SIZE = 59 7/8" X 95 3/4"
2. MAXIMUM ASSEMBLY SIZE = UNLIMITED WIDTH, UP TO 95 3/4" HEIGHT.
3. ASSEMBLIES/SECTIONS MAY BE STACKED VERTICALLY PROVIDING A STRUCTURAL SUPPORT IS DESIGNED AND INSTALLED BY OTHERS TO SUPPORT ALL LOADS TRANSFERRED FROM THE LOUVER ASSEMBLY.
4. MAXIMUM UNSUPPORTED BLADE LENGTH SHALL NOT EXCEED 30".
5. ALL FASTENERS SHALL BE PLATED STEEL OR 304 STAINLESS STEEL.
6. SEPARATION OF DISSIMILAR MATERIALS MUST BE MAINTAINED PER SECTION 3004.4 OF THE SOUTH FLORIDA BUILDING CODE 1994 EDITION.
7. APPROVED TYPES OF OPENINGS: 3000 PSI CONCRETE/MASONRY, WOOD OR STEEL. SEE SHEETS 4 & 5 FOR ANCHORING DETAILS.
8. THESE LOUVER SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE LOAD TABLE ON SHEET 7.
9. THIS SYSTEM HAS NOT BEEN TESTED FOR WATER INFILTRATION RESISTANCE AND IS NOT A WATER RESISTANT SYSTEM.
10. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS AS DETERMINED FOR EACH APPLICATION.
11. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THESE DRAWINGS.
12. THE DETAILS & SPECIFICATIONS HERE-IN REPRESENT THE PRODUCTS PROPOSED FOR IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA-201, 202 & 203 FOR BOTH IMPACT & NON-IMPACT LOUVERS.
13. THESE LOUVER SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE 1994 EDITION.
14. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS PA-201, 202 & 203 FOR LARGE MISSILE IMPACT, STRUCTURAL & CYCLIC TESTING.

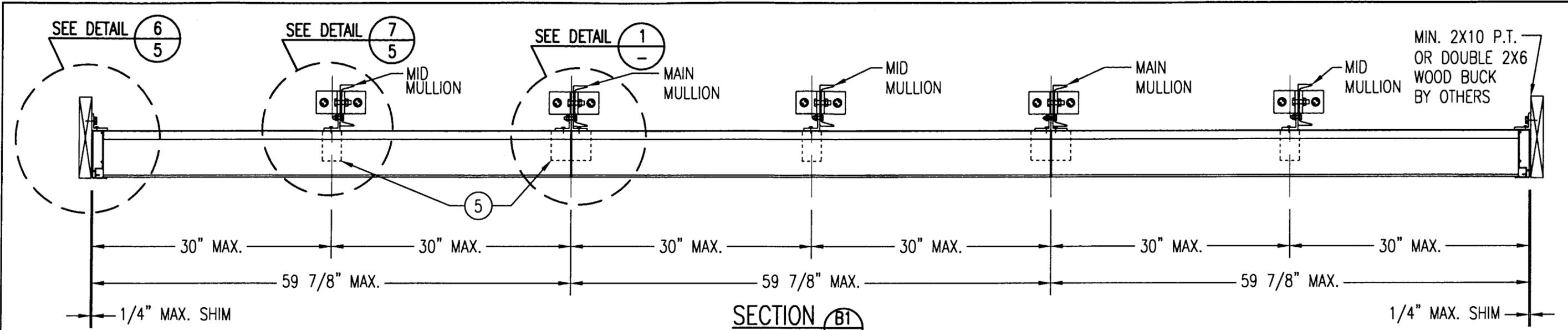


**SILL CORNER DETAIL**

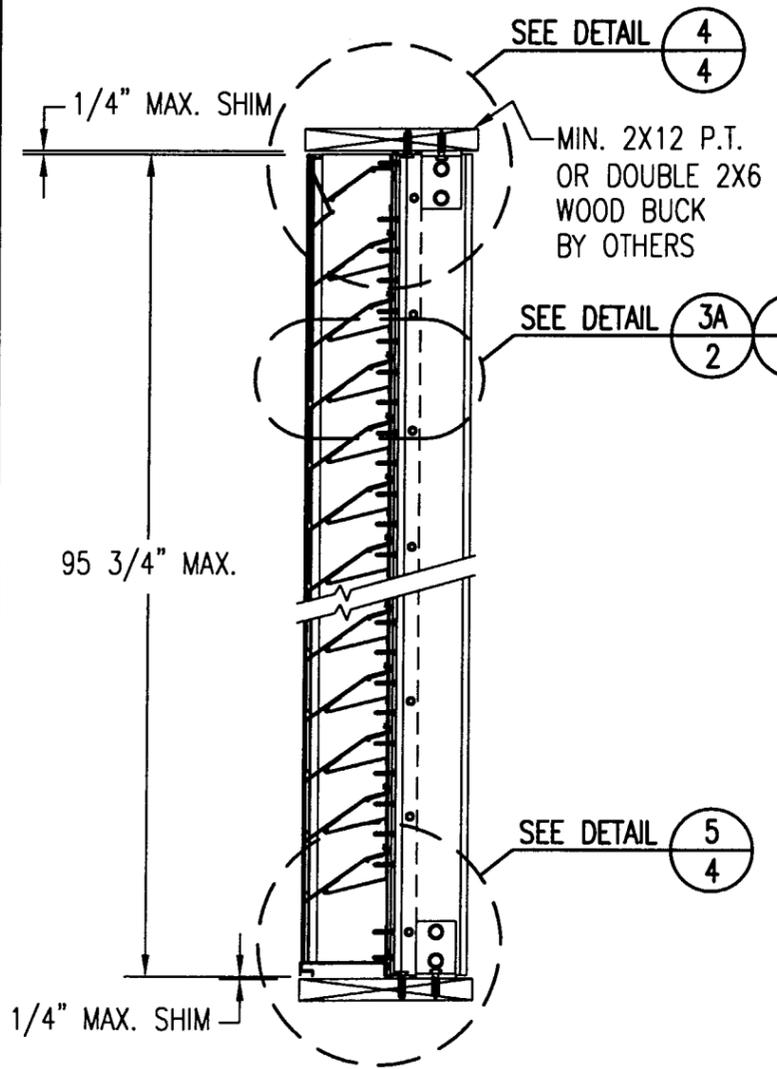
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE July 27, 2000  
 BY [Signature]  
 PRODUCT CONTROL DIV:ON  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 99-1227-15

JUN 16 2000  
 WARREN W. SCHAEFER, P.E.  
 STRUCTURAL ENGINEER  
 P.E. No. 44135  
 W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
 STRUCTURAL CONSULTING ENGINEERS  
 600 SANDTREE DRIVE, SUITE 203B  
 PALM BEACH GARDENS, FL 33403  
 PHONE: 561-775-4902

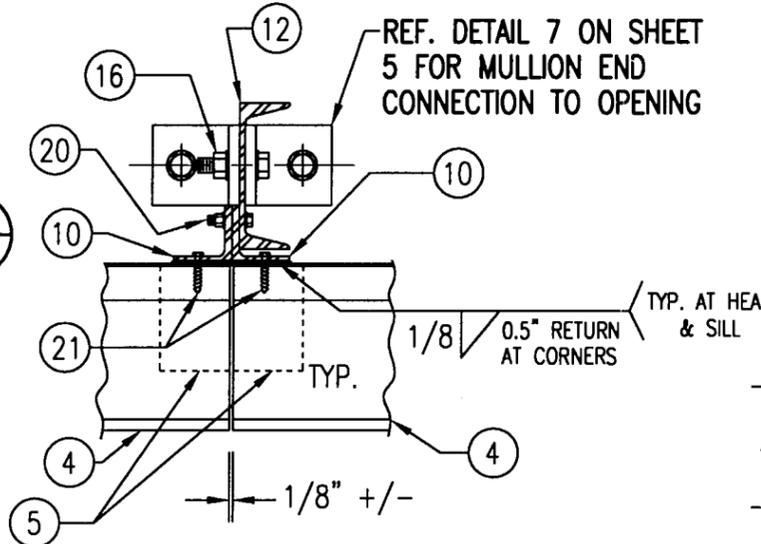
REVISION	DATE	DRN	CK	APPD
<b>awv</b> american warming and ventilating A MESTEK COMPANY 7301 INTERNATIONAL DRIVE HOLLAND, OHIO PHONE 419-865-5000; FAX 419-865-1375 <b>LE-32 TEST LOUVER</b> <b>ARCH. &amp; NON-ARCH. LOUVER ELEVATIONS &amp; NOTES</b>				
CKD.BY	W.W.S.	APPD.BY	W.W.S.	SHEET: 1 of 7
DRN.BY	W.W.S.	DWG. NO.	31604-6	REV.
DATE	06-16-00			



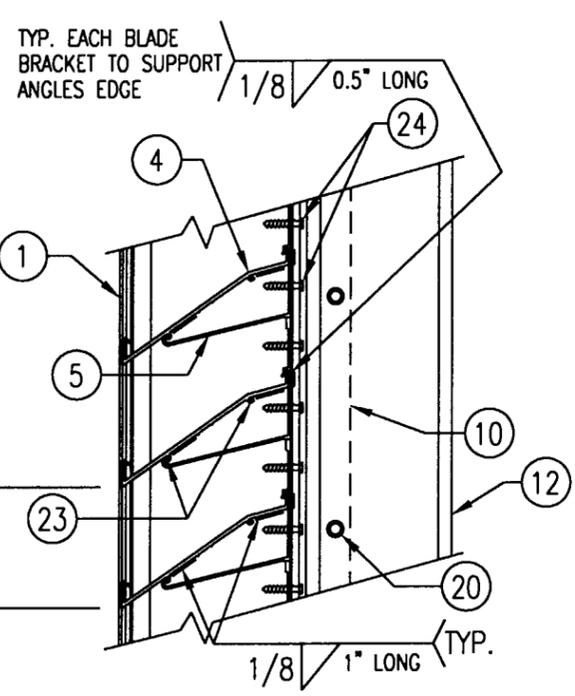
**SECTION B1**  
SCALE: 1"=1'-0"  
**ARCHITECTURAL LOUVER**



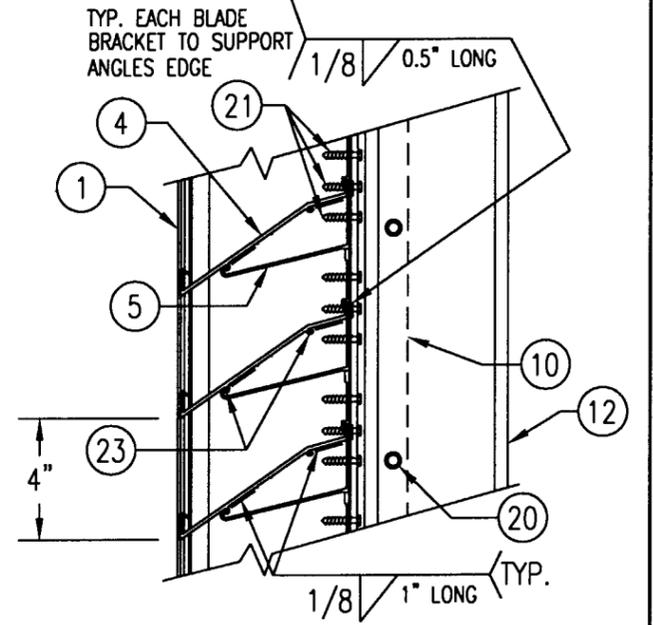
**SECTION A1**  
SCALE: 1"=1'-0"  
**ARCHITECTURAL LOUVER**



**DETAIL 1**  
SCALE: 2"=1'-0"  
**ARCHITECTURAL LOUVER**



**DETAIL 3A**  
SCALE: 2"=1'-0"  
TYP. AT ALL MID SPAN MULLIONS

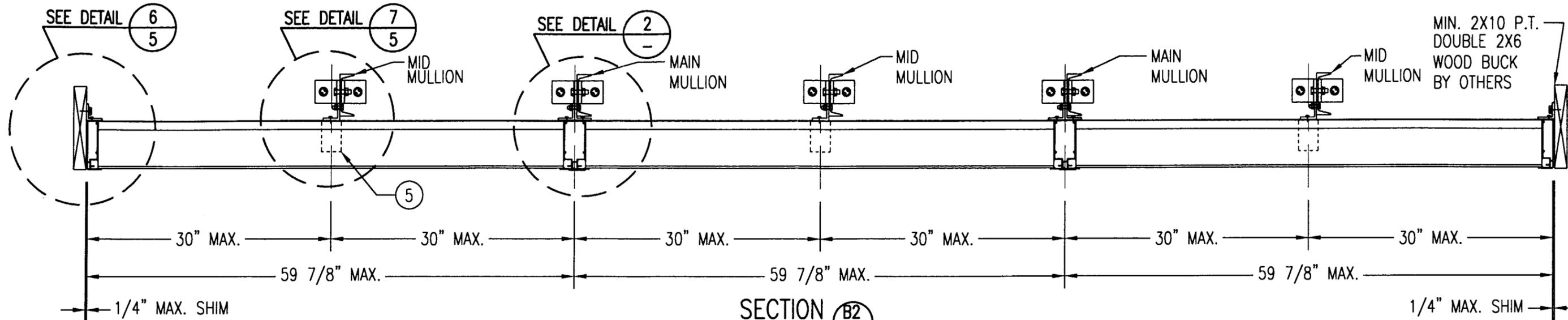


**DETAIL 3B**  
SCALE: 2"=1'-0"  
TYP. AT ALL MAIN ARCHITECTURAL MULLIONS

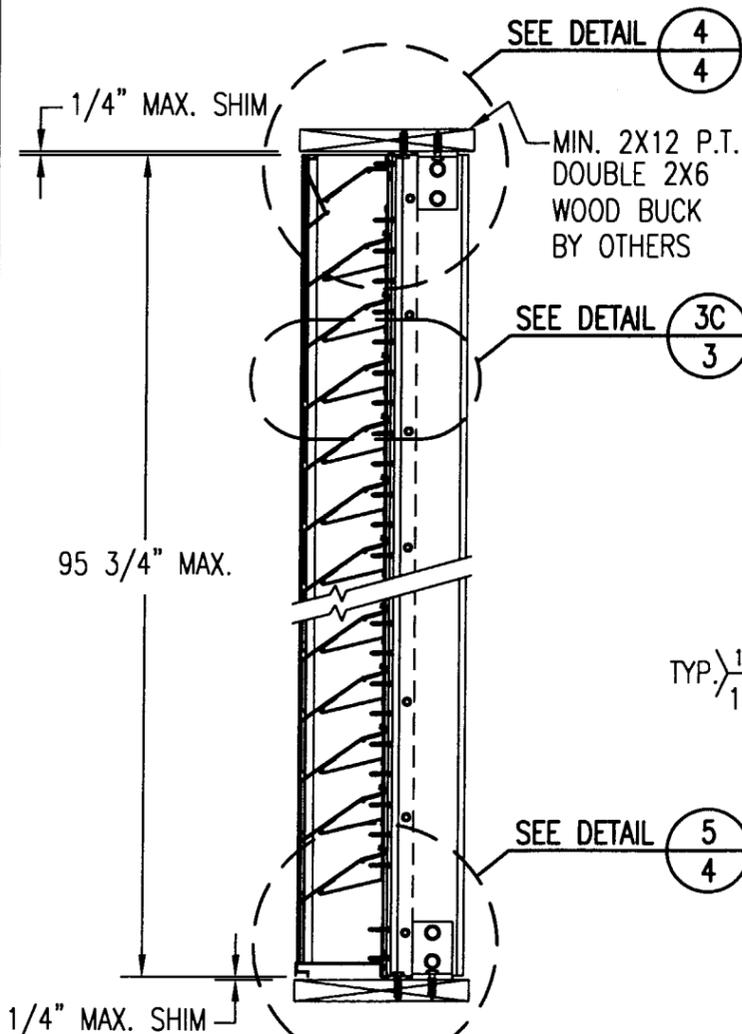
APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE: July 27, 2000  
BY: [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 99-1227-15

**JUN 16 2000**  
[Signature]  
**WARREN W. SCHAEFER, P.E.**  
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600 SANDTREE DRIVE, SUITE 203B  
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PHONE: 561-775-4902

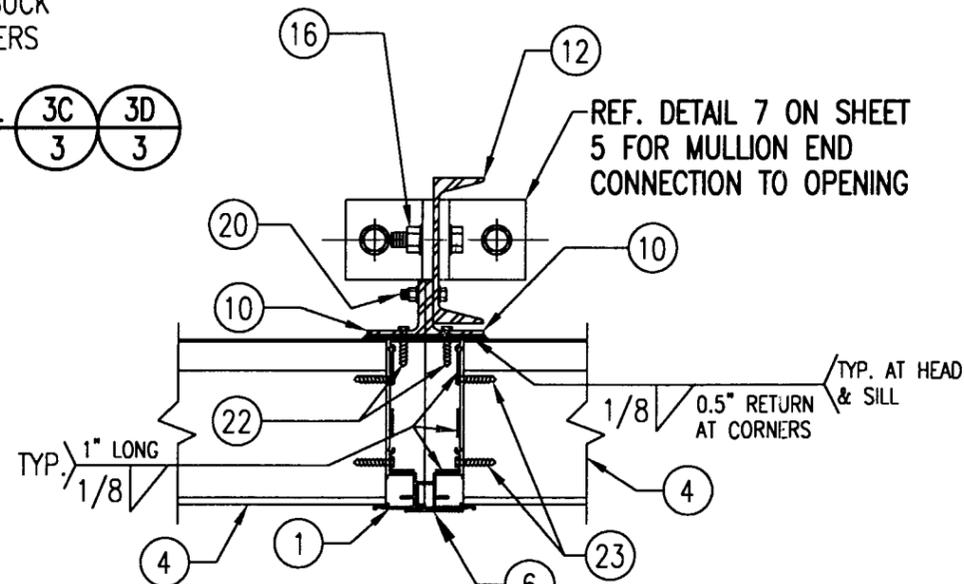
REVISION	DATE	DRN	CK	APPD
<b>awv</b> american warming and ventilating A MESTEK COMPANY 7301 INTERNATIONAL DRIVE HOLLAND, OHIO PHONE 419-865-5000; FAX 419-865-1375 <b>LE-32 TEST LOUVER ARCHITECTURAL LOUVER SECTIONS &amp; DETAILS</b>				
CKD.BY	APPD.BY	W.W.S.	SHEET: 2 of 7	
DRN.BY	W.W.S.	DWG. NO.	REV.	
DATE	06-16-00	31604-6		



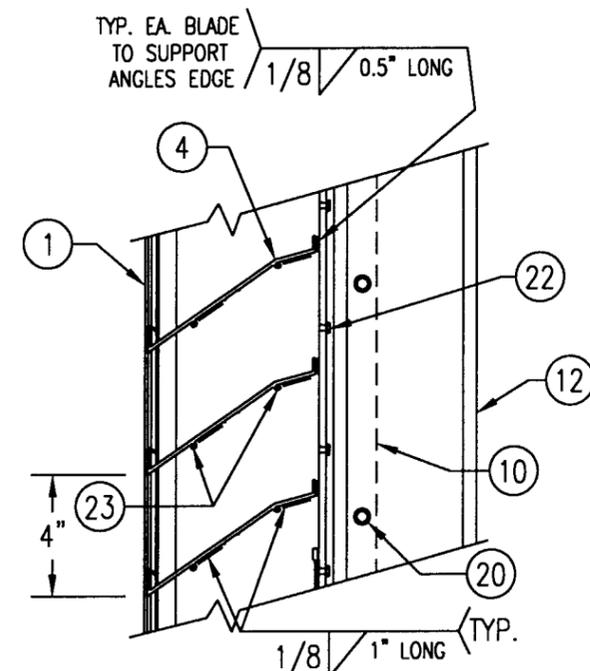
**SECTION B2**  
SCALE: 1"=1'-0"  
**NON-ARCHITECTURAL LOUVER**



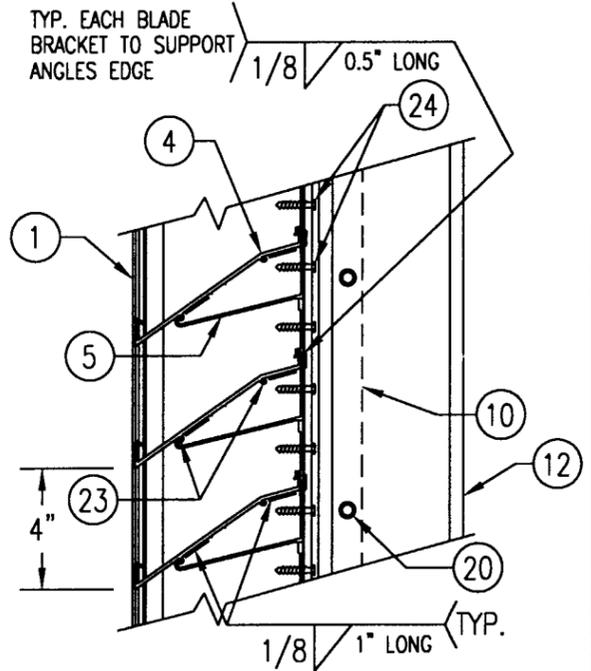
**SECTION A2**  
SCALE: 1"=1'-0"  
**NON-ARCHITECTURAL LOUVER**



**DETAIL 2**  
SCALE: 2"=1'-0"  
**NON-ARCHITECTURAL LOUVER**  
NOTE: SIDE JAMBS ARE ADDITIONALLY FASTENED TO THE SILL WITH 2 NO. 8 X 3/4" SMS THROUGH SILL & INTO JAMB SPLINES.



**DETAIL 3C**  
SCALE: 2"=1'-0"  
TYP. AT ALL MAIN NON-ARCHITECTURAL MULLIONS

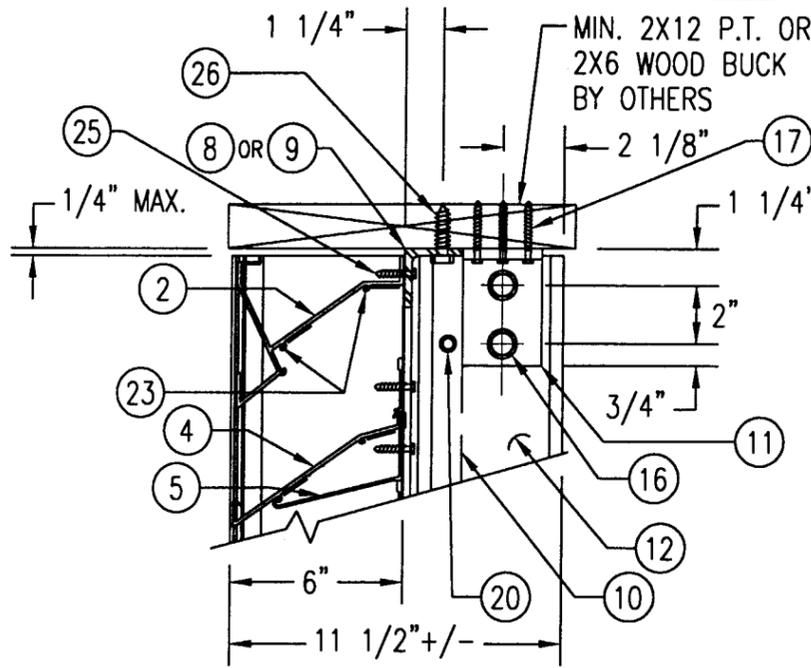


**DETAIL 3D**  
SCALE: 2"=1'-0"  
TYP. AT ALL MID SPAN MULLIONS

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE July 27, 2000  
BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 99-1227-16

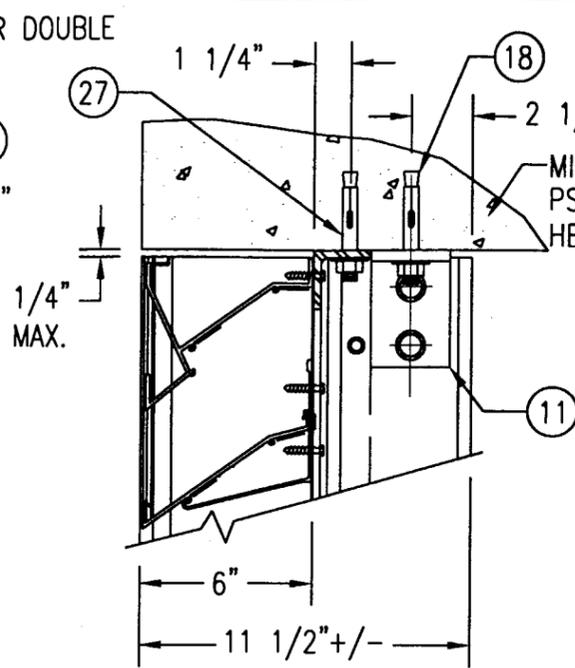
**JUN 16 2000**  
[Signature]  
**WARREN W. SCHAEFER, P.E.**  
STRUCTURAL ENGINEER  
P.E. No. 44135  
**W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.**  
STRUCTURAL CONSULTING ENGINEERS  
600 SANDTREE DRIVE, SUITE 203B  
PALM BEACH GARDENS, FL 33403  
PHONE: 561-775-4902

REVISION	DATE	DRN	CK	APPD
<b>awv</b> american warming and ventilating A MESTEK COMPANY 7301 INTERNATIONAL DRIVE HOLLAND, OHIO PHONE 419-865-5000; FAX 419-865-1375 <b>LE-32 TEST LOUVER</b> <b>NON-ARCHITECTURAL LOUVER</b> <b>SECTIONS &amp; DETAILS</b>				
CKD.BY	APPD.BY	W.W.S.	SHEET: 3 of 7	
DRN.BY	W.W.S.	DWG. NO.	REV.	
DATE	06-16-00	31604-6		



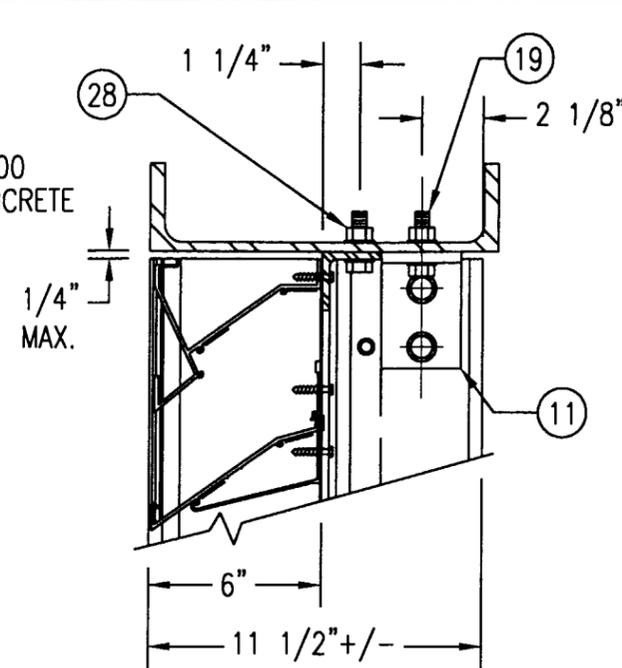
**WOOD FRAMED OPENING**

SEE "DETAIL 3A & 3B" FOR LOUVER BLADE DETAILS



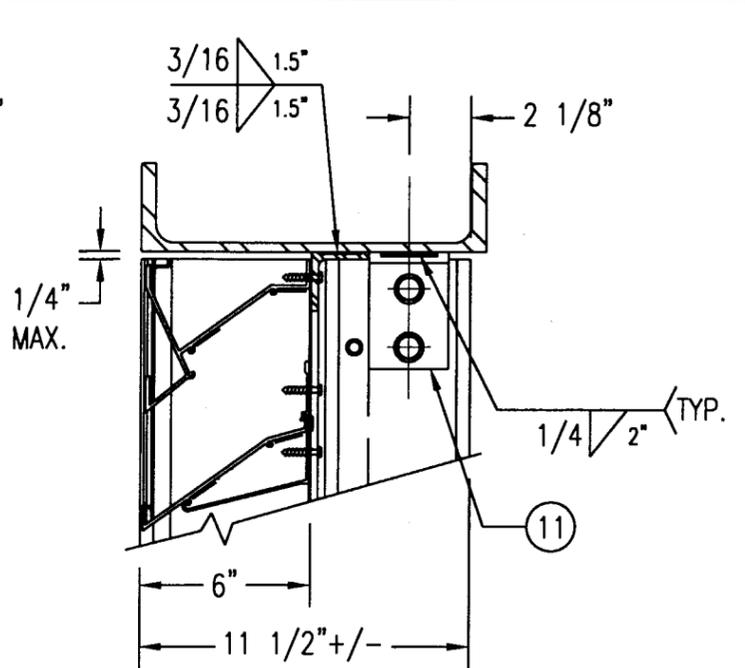
**CONCRETE HEAD**

SEE "WOOD OPENING" FOR DETAIL NOT SHOWN (MASONRY ACCEPTABLE AT SIDES ONLY AND MAY NOT BE USED AT HEAD OR SILL)



**STEEL FRAME OPENING (BOLTED)**

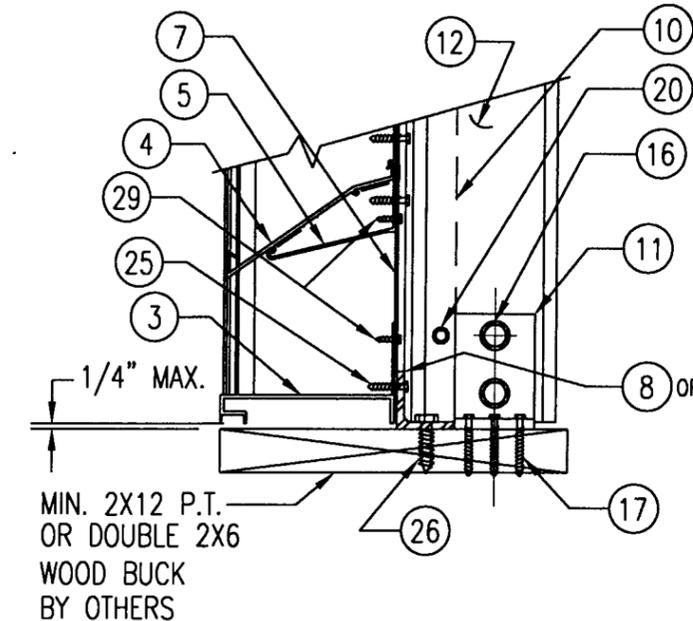
SEE "WOOD OPENING" FOR DETAIL NOT SHOWN



**STEEL FRAME OPENING (WELDED)**

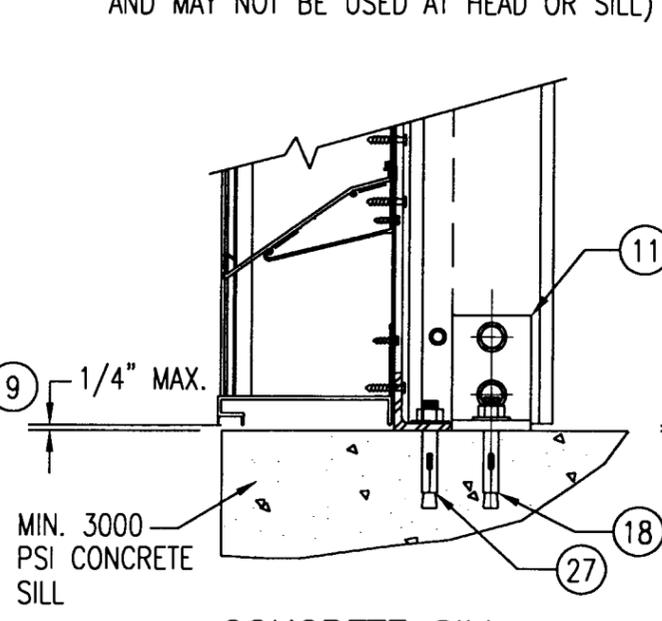
SEE "WOOD OPENING" FOR DETAIL NOT SHOWN

**DETAIL 4**  
SCALE: 2"=1'-0"



**WOOD FRAMED OPENING**

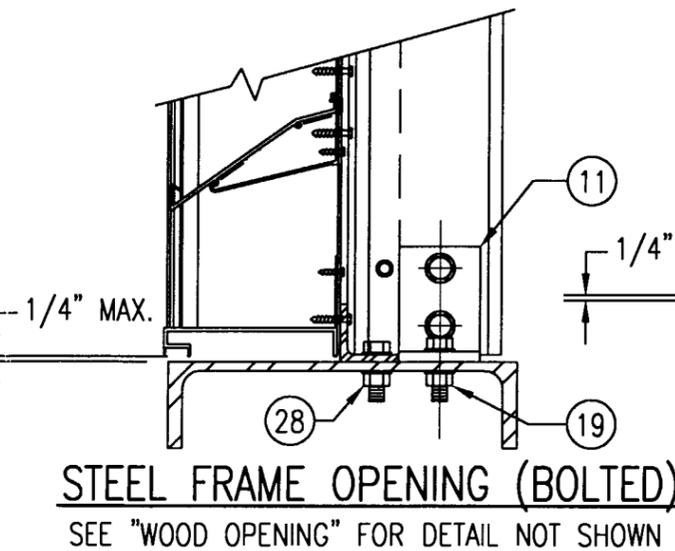
SEE "DETAIL 3A & 3B" FOR LOUVER BLADE DETAILS



**CONCRETE SILL**

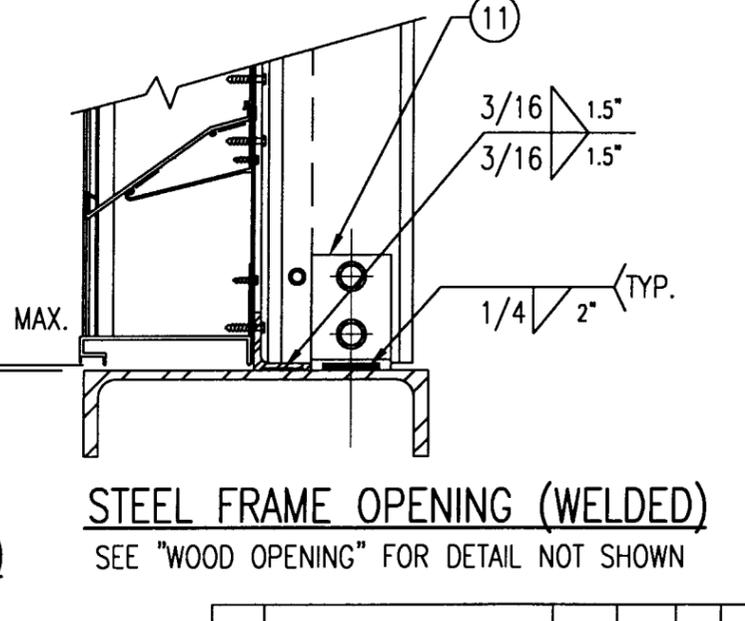
SEE "WOOD OPENING" FOR DETAIL NOT SHOWN (MASONRY ACCEPTABLE AT SIDES ONLY AND MAY NOT BE USED AT HEAD OR SILL)

**DETAIL 5**  
SCALE: 2"=1'-0"



**STEEL FRAME OPENING (BOLTED)**

SEE "WOOD OPENING" FOR DETAIL NOT SHOWN



**STEEL FRAME OPENING (WELDED)**

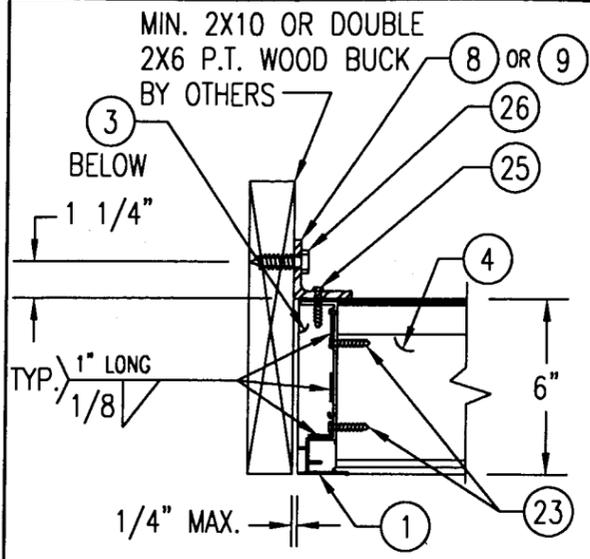
SEE "WOOD OPENING" FOR DETAIL NOT SHOWN

MASONRY MAY ONLY BE USED AT SIDES OF LOUVER PANELS & MAY NOT BE USED AT THE HEAD OR SILL.

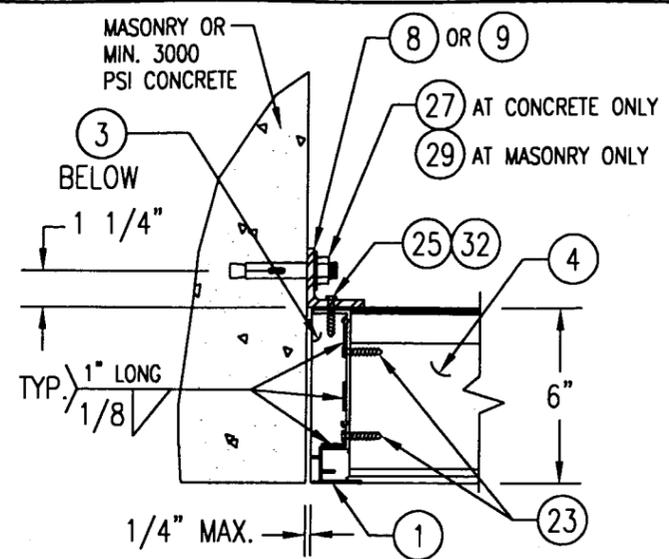
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE: July 27, 2000  
BY: [Signature]  
PRODUCT CONTROL DIVISION  
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ACCEPTANCE NO. 99-1227-15

JUN 16 2000  
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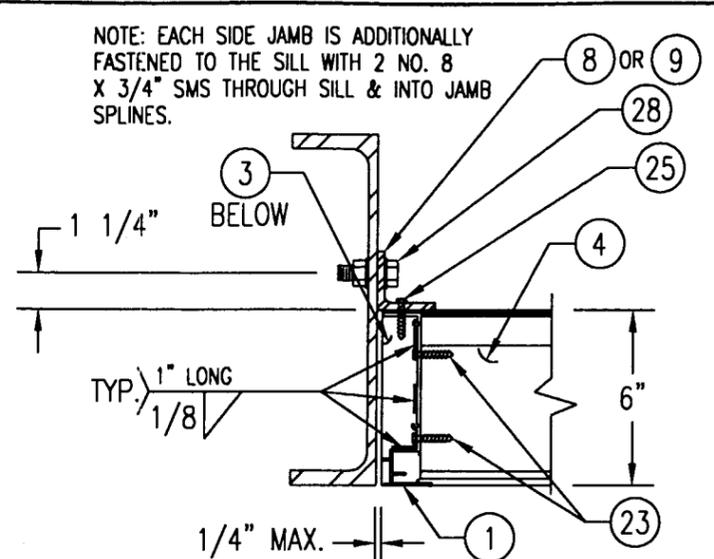
REVISION	DATE	DRN	CHK	APPD
<b>awv</b> american warming and ventilating A MESTEK COMPANY 7301 INTERNATIONAL DRIVE HOLLAND, OHIO PHONE 419-865-5000; FAX 419-865-1375 <b>LE-32 TEST LOUVER ARCH. &amp; NON-ARCH. LOUVER DETAILS</b>				
CKD.BY	APPD.BY	W.W.S.	SHEET: 4 of 7	
DRN.BY	W.W.S.	DWG. NO.	REV.	
DATE	06-16-00	31604-6		



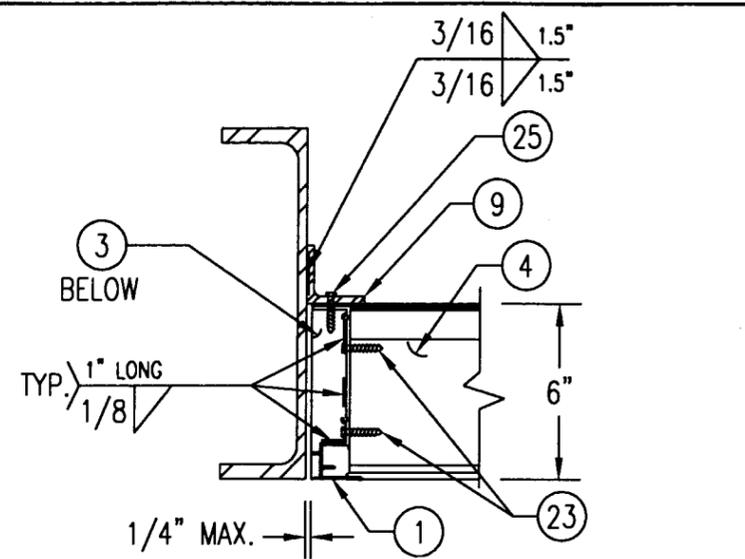
**WOOD FRAMED OPENING**



**CONCRETE/MASONRY OPENING**



**STEEL FRAME OPENING (BOLTED)**

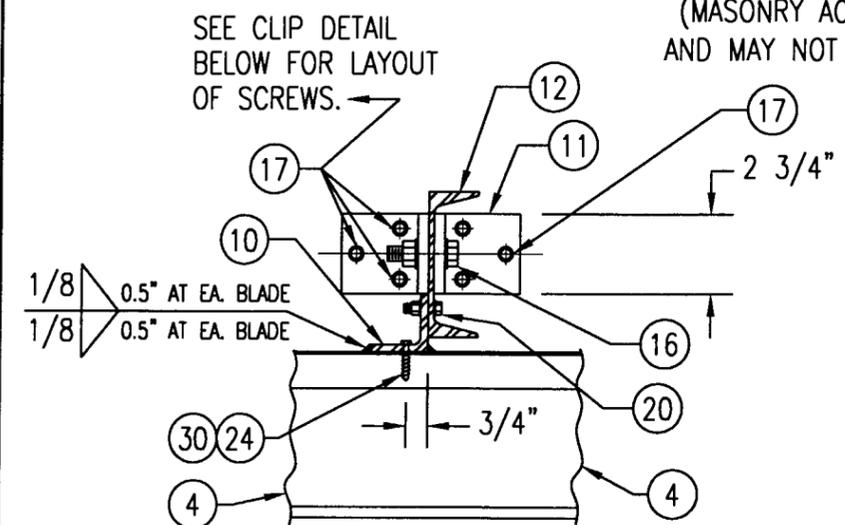


**STEEL FRAME OPENING (WELDED)**

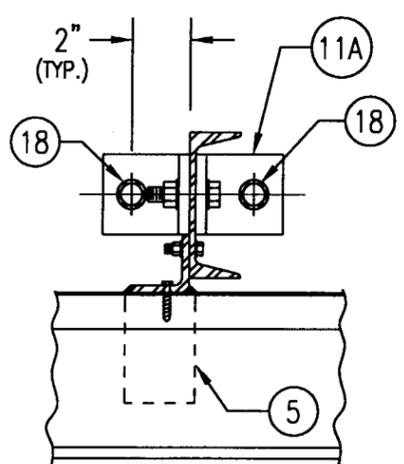
NOTE: EACH SIDE JAMB IS ADDITIONALLY FASTENED TO THE SILL WITH 2 NO. 8 X 3/4\"/>

(MASONRY ACCEPTABLE AT SIDES ONLY AND MAY NOT BE USED AT HEAD OR SILL)

**DETAIL 6**  
SCALE: 2\"/>

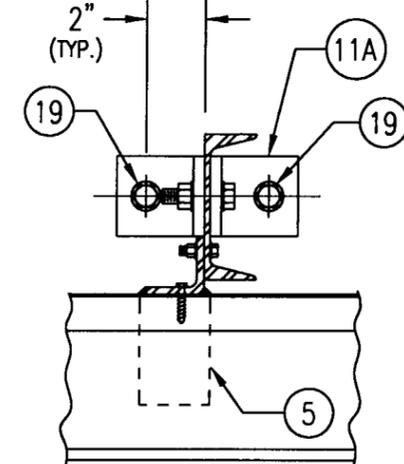


**WOOD FRAMED OPENING**



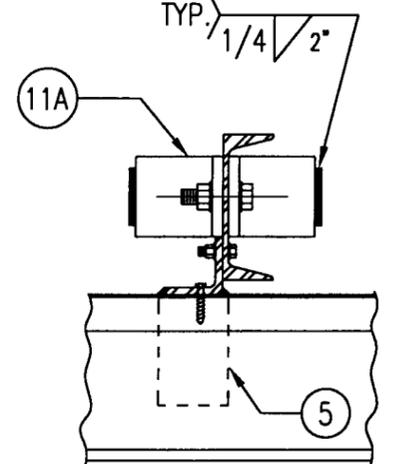
**CONCRETE HEAD & SILL**

SEE "WOOD OPENING" FOR DETAIL NOT SHOWN (MASONRY ACCEPTABLE AT SIDES ONLY AND MAY NOT BE USED AT HEAD OR SILL)



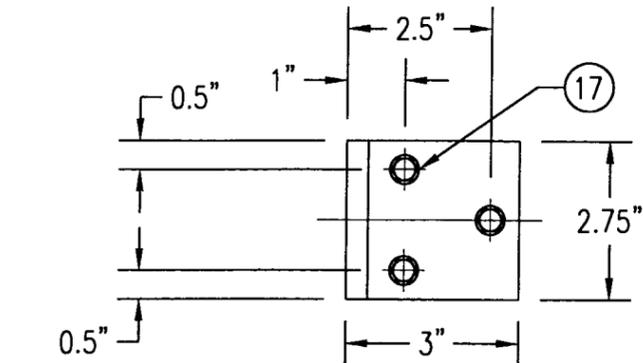
**STEEL FRAME OPENING (BOLTED)**

SEE "WOOD OPENING" FOR DETAIL NOT SHOWN



**STEEL FRAME OPENING (WELDED)**

SEE "WOOD OPENING" FOR DETAIL NOT SHOWN



**MULLION CLIP DETAIL @ WOOD INSTALLATION**

MASONRY MAY ONLY BE USED AT SIDES OF LOUVER PANELS & MAY NOT BE USED AT THE HEAD OR SILL.

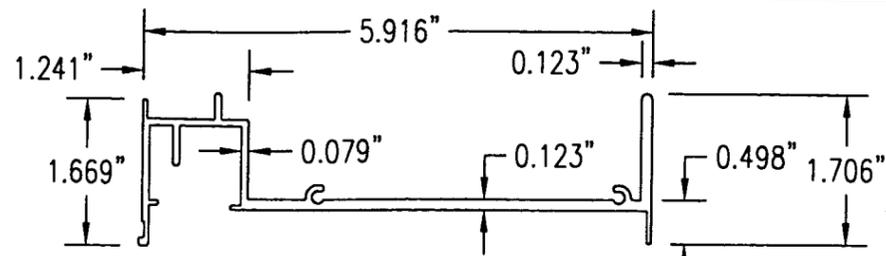
**DETAIL 7**  
SCALE: 2\"/>

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE: July 27, 2000  
BY: [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 99-1227-1P

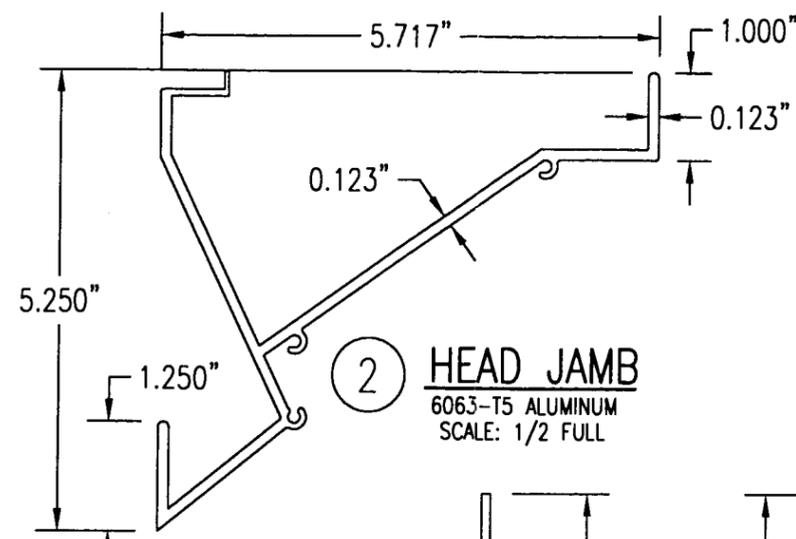
JUN 16 2000  
WARREN W. SCHAEFER, P.E.  
STRUCTURAL ENGINEER  
P.E. No. 44135  
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
STRUCTURAL CONSULTING ENGINEERS  
600 SANDTREE DRIVE, SUITE 203B  
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PHONE: 561-775-4902

awv american warming and ventilating  
A MESTEK COMPANY  
7301 INTERNATIONAL DRIVE HOLLAND, OHIO  
PHONE 419-865-5000; FAX 419-865-1375  
LE-32 TEST LOUVER  
ARCH. & NON-ARCH. LOUVER DETAILS  
CKD. BY [ ] APPD. BY W.W.S. SHEET: 5 of 7  
DRN. BY W.W.S. DWG. NO. 31604-6  
DATE 06-16-00

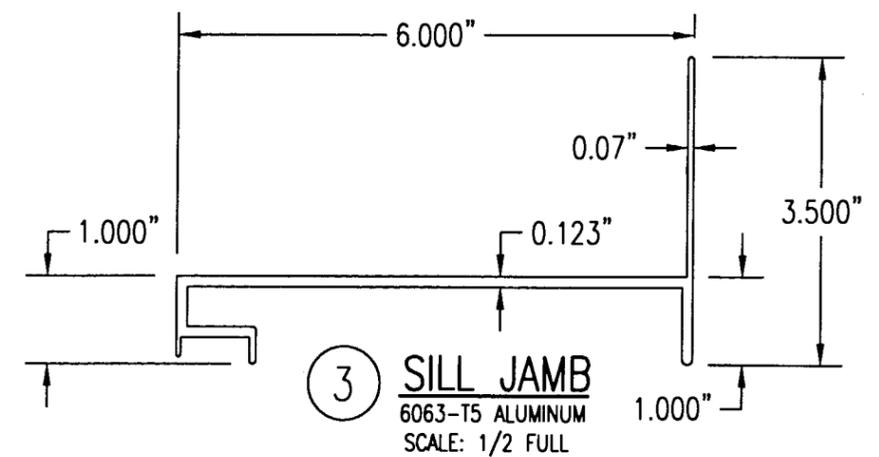
REVISION	DATE	DRN	CK	APPD



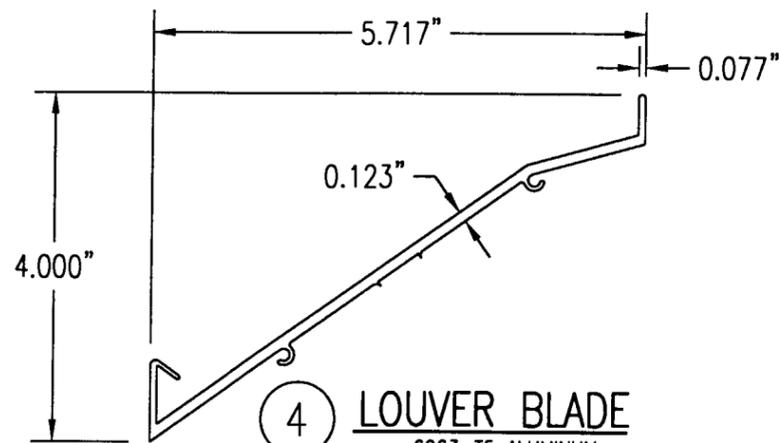
① **JAMB EXTRUSION**  
6063-T5 ALUMINUM  
SCALE: 1/2 FULL



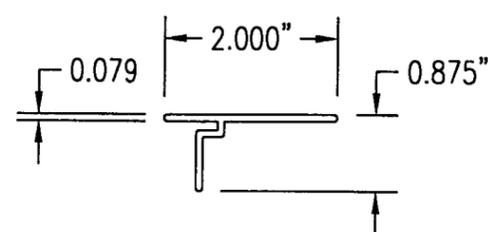
② **HEAD JAMB**  
6063-T5 ALUMINUM  
SCALE: 1/2 FULL



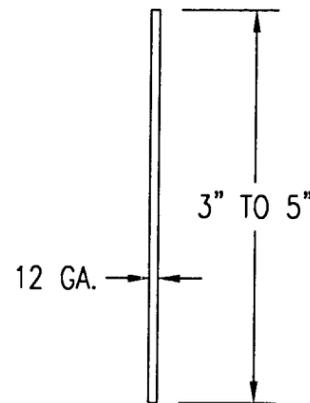
③ **SILL JAMB**  
6063-T5 ALUMINUM  
SCALE: 1/2 FULL



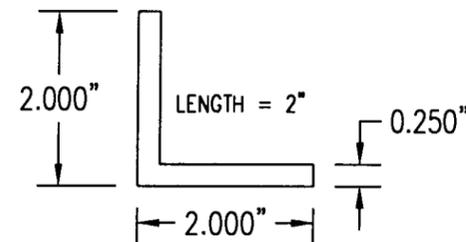
④ **LOUVER BLADE**  
6063-T5 ALUMINUM  
SCALE: 1/2 FULL



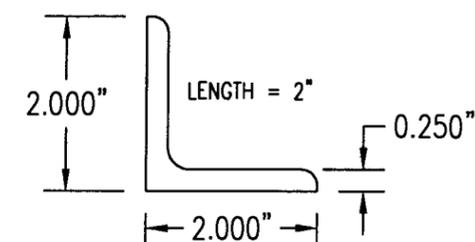
⑥ **MULLION CAP**  
6063-T5 ALUMINUM  
SCALE: 1/2 FULL



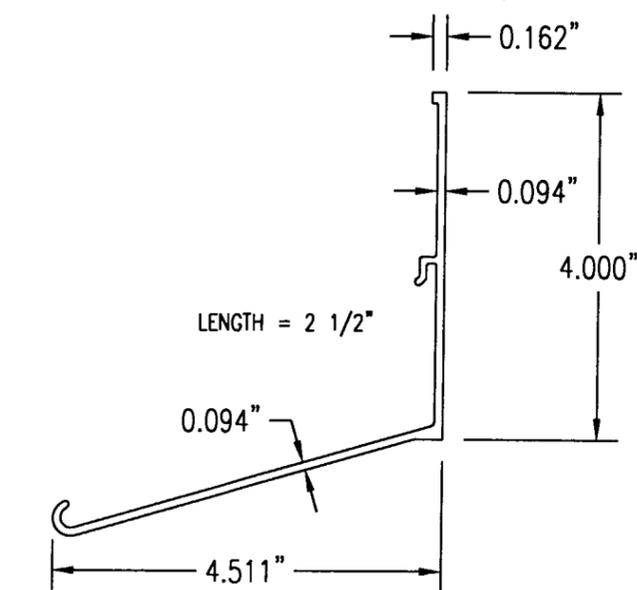
⑦ **SILL PLATE**  
3003/5005 ALUMINUM  
SCALE: 1/2 FULL



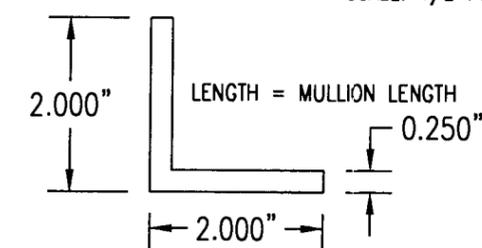
⑧ **CONNECTION ANGLE**  
6063-T5 ALUMINUM  
SCALE: 1/2 FULL



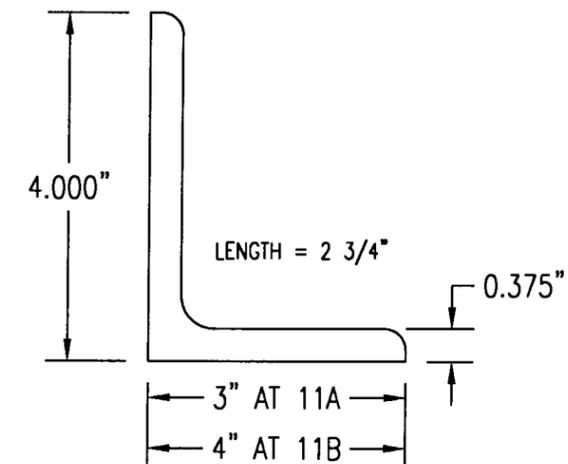
⑨ **CONNECTION ANGLE**  
A36 STEEL  
SCALE: 1/2 FULL



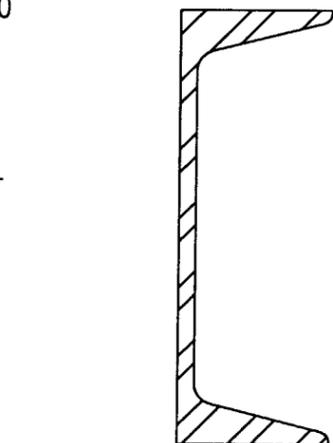
⑤ **BLADE SUPPORT BRACKET**  
6063-T5 ALUMINUM  
SCALE: 1/2 FULL



⑩ **MULLION ANGLE**  
6063-T5 ALUMINUM  
SCALE: 1/2 FULL



⑪A ⑪B **MULLION END CONNECTION ANGLE**  
A36 STEEL  
SCALE: 1/2 FULL



⑫ **C5X6.7 MULLION**  
A36 STEEL  
SCALE: 1/2 FULL

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE: July 27, 2000  
BY: [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 99-1227-15

JUN 16 2000  
[Signature]  
WARREN W. SCHAEFER, P.E.  
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LE-32 TEST LOUVER  
ARCH. & NON-ARCH. LOUVER  
PARTS & EXTRUSIONS

CKD.BY	APPD.BY W.W.S.	SHEET: 6 of 7
DRN.BY W.W.S.	DWG. NO.	REV.
DATE 06-16-00	31604-6	

**ALLOWABLE WIND PRESSURE VS. JAMB CLIP SPACING AND PANEL WIDTH**

PANEL WIDTH (INCHES)	CLIP SPACING (INCHES)	ALLOWABLE PRESSURE WITH MID SPAN MULLION (PSF)	ALLOWABLE PRESSURE WITHOUT MID SPAN MULLION (PSF)
16	8	150	150
	12	150	150
	16	150	140
	20	150	105
	24	150	70
20	8	150	150
	12	150	140
	16	150	112
	20	150	84
	24	150	56
24	8	150	140
	12	150	117
	16	150	93
	20	150	70
	24	125	47
28	8	150	82
	12	150	68
	16	150	54
	20	150	41
	24	107	27
30	8	150	62
	12	150	52
	16	150	41
	20	140	31
	24	93	-
36	8	150	-
	12	150	-
	16	150	-
	20	125	-
	24	83	-
42	8	150	-
	12	150	-
	16	142	-
	20	107	-
	24	71	-
48	8	150	-
	12	150	-
	16	125	-
	20	93	-
	24	62	-
54	8	150	-
	12	138	-
	16	111	-
	20	83	-
	24	55	-
60	8	150	-
	12	125	-
	16	100	-
	20	75	-
	24	50	-

**MATERIAL LIST**

NO.	DESCRIPTION	NOTES/SPECIFICATIONS
PARTS/EXTRUSIONS		
1	SIDE JAMB FRAME/MULLION	6063-T5 ALUMINUM
2	HEAD FRAME	6063-T5 ALUMINUM
3	SILL FRAME	6063-T5 ALUMINUM
4	LOUVER BLADE	6063-T5 ALUMINUM
5	BLADE SUPPORT BRACKET (2 1/2" LONG)	6063-T5 ALUMINUM
6	MULLION CAP	6063-T5 ALUMINUM; FULL LENGTH OF MULLION JAMBS
7	SILL PLATE	3003/5005 ALUMINUM; FULL LENGTH OF PANEL SILL
8	L2X2X1/4 JAMB CONNECTION ANGLE 2" LONG	6063-T5 ALUMINUM; WITHIN 4" OF JAMB ENDS & SPACED PER LOAD TABLE ON SHT. 2
9	L2X2X1/4 OPTIONAL JAMB CONNECTION ANGLE 2" LONG	A36 STEEL; WITHIN 4" OF JAMB ENDS & SPACED PER LOAD TABLE ON SHT. 2
10	L2X2X1/4 CONTINUOUS MULLION CONNECTION ANGLE	6063-T5 ALUMINUM; FULL LENGTH OF CHANNEL MULLION
11	L4X3X3/8 MULLION END CONNECTION ANGLE 2 3/4" LONG	A36 STEEL; 2 PER MULLION END
12	C5X6.7 MULLION	A36 STEEL; FULL HEIGHT OF PANELS
13	OPEN	
14	OPEN	
15	OPEN	
FASTENERS		
16	1/2" X 2" A307 HEX HEAD PLATED STEEL OR S/STL BOLT	WITH FLAT WASHERS, LOCK WASHER & NUT; 2 PER MULLION END
17	NO. 14 S.S. SMS SCREWS	3 PER MULLION END CLIP WITH MIN. 1 1/2" WOOD EMBED
18	5/8" X 2 1/4" SLEEVE ANCHOR WITH FLAT WASHER	USA KINGPIN ANCHOR; 1 PER CHANNEL END CONNECTION ANGLE INTO CONCRETE ONLY
19	1/2" X 2" A307 HEX HEAD PLATED STEEL OR S/STL BOLT	WITH FLAT WASHERS, LOCK WASHER & NUT; 1 PER CHANNEL END CONNECTION ANGLE INTO STEEL FRAME
20	5/16-18 UNC X 1 1/2" HEX HEAD STEEL OR S/STL BOLT	WITH FLAT WASHER, LOCK WASHER & NUT; WITHIN 4" OF MULLION ENDS & MAX. 8" O.C.
21	NO. 14 X 1 1/4" HILTI TEK SCREW	3 AT EACH LOUVER BLADE SUPPORT BRACKET AT ARCHITECTURAL MAIN MULLIONS
22	NO. 14 X 1 1/4" HILTI TEK SCREW	WITHIN 1 1/4" OF MULLION ENDS & MAX. 4" O.C. INTO FRAME
23	NO. 8 X 3/4" SMS	2 PER EACH LOUVER BLADE END THROUGH JAMB & INTO BLADE SPLINES
24	NO. 14 X 1 1/4" HILTI TEK SCREW	2 AT EACH LOUVER BLADE SUPPORT BRACKET AT ALL MIDSPAN MULLIONS
25	NO. 14 X 1 1/4" HILTI TEK SCREW	2 PER EACH HEAD, SILL & SIDE JAMB CONNECTION ANGLE
26	1/2" X 2" LAG SCREW WITH FLAT WASHER	1 PER EACH HEAD, SILL & SIDE JAMB CONNECTION ANGLE INTO WOOD FRAME
27	5/8" X 2 1/4" SLEEVE ANCHOR WITH FLAT WASHER	USA KINGPIN ANCHOR; 1 PER EACH HEAD, SILL & SIDE JAMB CONNECTION ANGLE INTO CONCRETE ONLY
28	1/2" X 2" HEX HEAD A307 PLATED STEEL OR S/STL BOLT	WITH FLAT WASHERS, LOCK WASHER & NUT; 1 PER EA. JAMB CONNECTION ANGLE INTO STEEL FRAME
29	NO. 8 X 3/4" SMS	2 SCREWS WITHIN 4" OF SILL PLATE ENDS & MAX. 12" O.C. (SILL PLATE TO SILL JAMB AND FIRST LOUVER BLADE)
30	NO. 14 X 1 1/4" HILTI TEK SCREW	1 AT EACH MULLION ANGLE INTO HEAD & SILL JAMB
31	NO. 8 X 3/4" SMS SCREWS	2 PER FRAME SILL CORNER THROUGH SILL & INTO JAMB SPLINES
32	3/8" X 1 7/8" SLEEVE ANCHOR WITH FLAT WASHER	RED HEAD DYNABOLT WITH MIN. 1 1/2" BLOCK/CONCRETE EMBED (1 PER FRAME SUPPORT CLIP)

**PRESSURE TABLE NOTES:**

1. WHEN THE PANEL WIDTH IS 30" OR LESS, NO MID SPAN MULLION IS REQUIRED PROVIDING COMPLIANCE WITH THE TABLE.
2. ALL PRESSURES IN THIS TABLE ARE FOR BOTH POSITIVE & NEGATIVE WIND PRESSURE.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE July 27, 2000  
 BY [Signature]  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 99-1227-14

**JUN 16 2000**

*[Signature]*  
**WARREN W. SCHAEFER, P.E.**  
 STRUCTURAL ENGINEER  
 P.E. No. 44135

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**LE-32 TEST LOUVER**  
**ARCH. & NON-ARCH. LOUVER**  
**MATERIAL LIST & LOAD TABLE**

CKD.BY	APPD.BY W.W.S.	SHEET: 7 of 7
DRN.BY W.W.S.	DWG. NO.	REV.
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