



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

**Ruskin Manufacturing.  
3900 Dr. Greaves Road.  
Grandview, MO 64030**

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami Dade County Product Control Division (in Miami-Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade county Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone.

**DESCRIPTION: ELF6375DXD with Optional CD50**

**APPROVAL DOCUMENT:** Drawing No. **60-021806-00D, 01D, 02D, 08D, 09D & 24B**, titled "ELF6375DXD & CD50 Assemblies, Sections, Fasteners, Details," dated 12/11/01 & 04/02/98 with last revisions on 06/26/02 & 06/20/02, prepared by Ruskin Manufacturing. signed and sealed by E. P. Hutson, PE. bearing the Miami-Dade County Product Control Approval stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large & Small Missile.**

**LABELING:** 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", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA 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 NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

**This NOA renews NOA 02-114.06** and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Candido E. Font PE.**

*[Handwritten signature]*  
06/01/06



**NOA No: 06-0320.12  
Expiration Date: July 09, 2011  
Approval Date: June 01, 2006  
Page 1**

**Ruskin Manufacturing.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **60-021806-00D, 01D, 02D, 08D, 09D & 24B**, titled "ELF6375DXD & CD50 Assemblies, Sections, Fasteners & Details" dated 12/11/01 & 04/02/98 with last revision on 06/26/02 & 06/20/02, prepared by Ruskin Manufacturing and signed and sealed by E. P. Hutson, P.E.

**B. TESTS**

1. Test report on Large Missile Impact Test per PA 201, Cyclic wind Pressure Test per PA 203 and Uniform Static Air Pressure Test per PA 202 of "Open, Extruded Aluminum Louver Assembly," prepared by Construction Research Laboratory Inc., Report No. 97-1124.22, dated 08/04/02, signed and sealed by N. S. Balsara, PE.

**C. CALCULATION**

1. Louver Blade, Mullion & Support Calculations of Dade County Louver per DWG. No. 60021680-21D, dated 07/18/00, pages 1 to 21 of 21, prepared by R. H. Wagner, signed and sealed by E. P. Hutson, PE.

**D. STATEMENTS.**

1. Letter of Code Compliance issued by Ruskin Manufacturing, on 07/29/97, signed by M. Astourian, PE.
2. Test Compliance letter issued by Construction Research Laboratory, Inc., on 08/04/00, signed by R. Sembello.
3. No Financial Interest letter issued by Ruskin Manufacturing, signed by V. M. Astourian and notarized by T. S. Turner on 06/23/99
4. No change letter issued by Ruskin manufacturing on 05/05/06, signed by R. Van Becelaere.

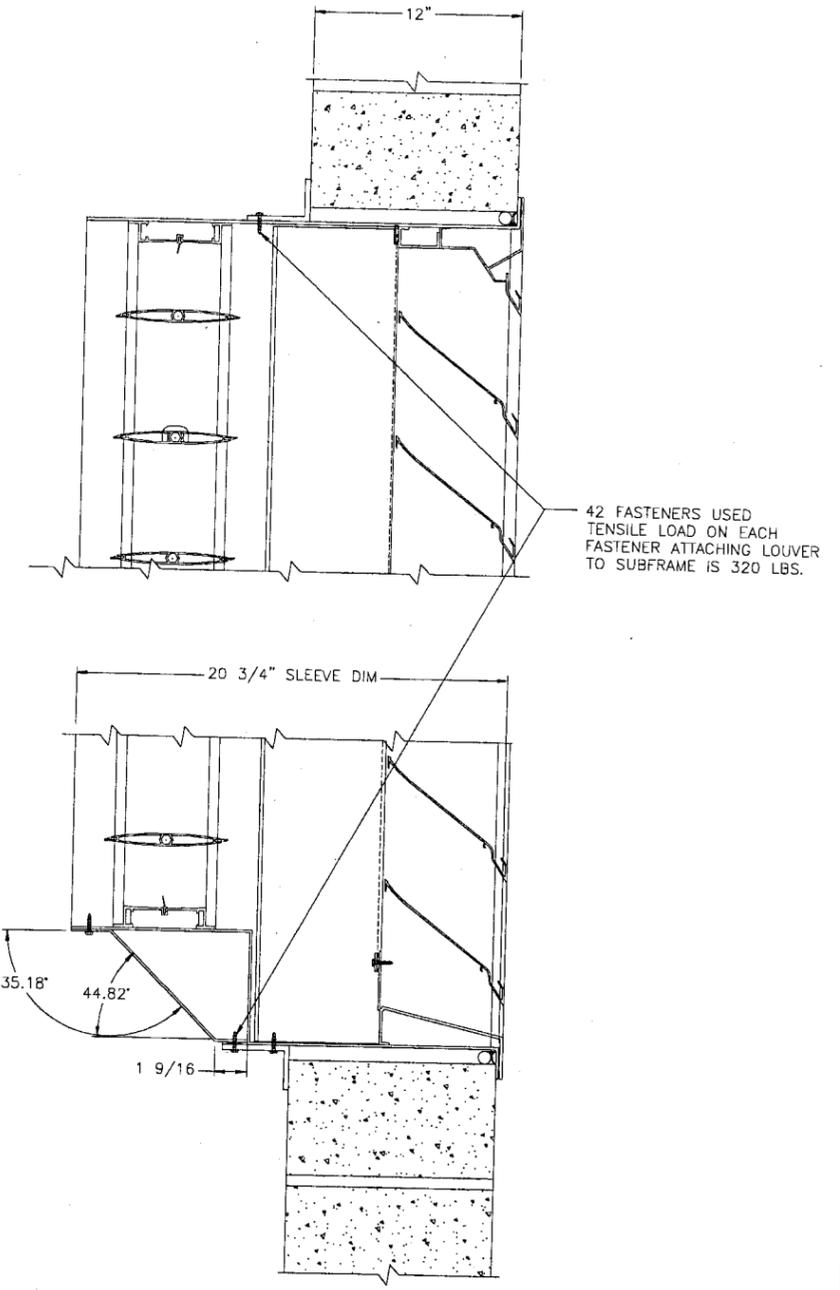
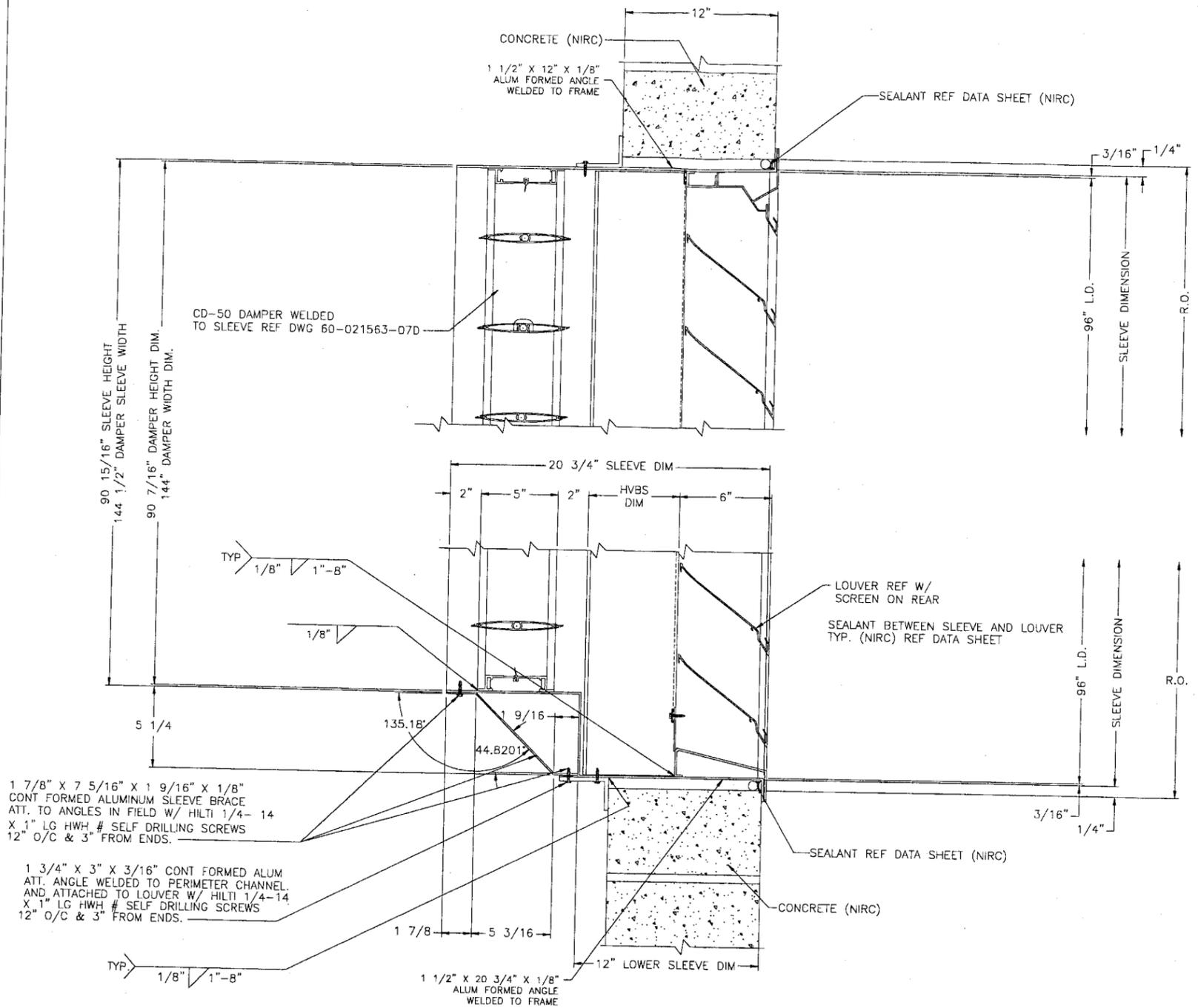
**E. MATERIAL CERTIFICATION**

1. Extrusion drawings No. 60-021562-06B/12B & 16B /28B, prepared by Ruskin Manufacturing, on 04/22/98 & 04/23/98, signed and sealed by E. P. Hutson, PE.
2. Product Approval Notice of Acceptance No. 97-1023.04, issued by Miami-Dade County on 07/09/98, signed by C.D. PE.

 06/01/06

Candido F. Font PE.  
Sr. Product Control Examiner  
NOA No 06-0320.12  
Expiration Date: July 09, 2011  
Approval: Date: June 01, 2006





LOUVER/DAMPER ASS'Y "A" (+148/-140PSF)  
N.T.S. FOR FASTENER LOADS

DESIGN PRESSURE RATING
OF MODEL ELF6375DXD W/CD50
±138 PSF
LARGE MISSILE IMPACT RESISTANCE

**LEGEND:**

O.F.D. = OUTSIDE FRAME DIM.  
R.O. = ROUGH OPENING  
A.L. = ANGLE LENGTH  
O.D. = OPENING DIM.  
N.T.S. = NOT TO SCALE  
NIRC = NOT IN RUSKIN CONTRACT

HVBS = HIDDEN VERTICAL BLADE SUPPORT.  
SSD = SHIP SECTION DIM.  
L.D. = LOUVER DIM.  
DIM. = DIMENSION  
SIM = SIMILAR

**NOTES:**

- THE STRUCTURAL SUBSTRATE THAT HOLDS THE LOUVER IN PLACE, IS ASSUMED TO BE STRUCTURALLY SOUND AND STABLE TO TAKE THE LOADS DISPERSED BY THE LOUVER.

- LOUVER IS NONBEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEADLOADS.

FOR OFFICE USE ONLY

**PRODUCT REVISED**  
as compliant with the Florida Building Code  
Acceptance No. 02-0114.06  
Expiration Date 07/09/06

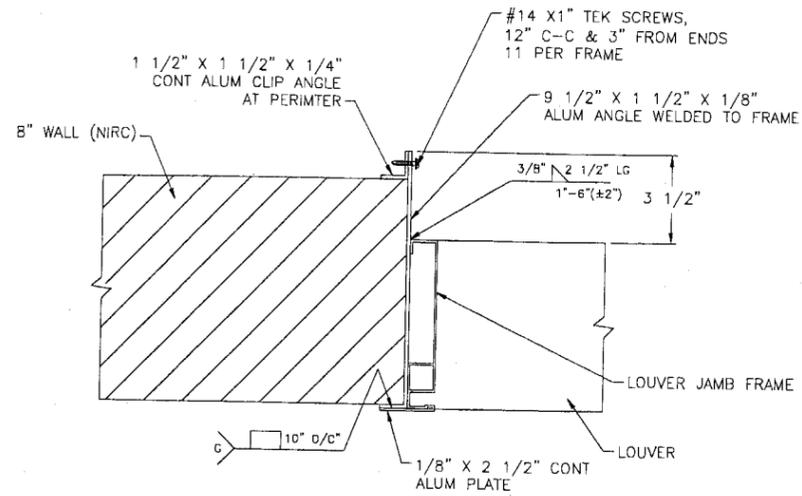
By: *[Signature]*  
Miami Dade Product Control Division

**PRODUCT REVISED**  
as compliant with the Florida Building Code  
Acceptance No. 06-0320.12  
Expiration Date 07/09/11

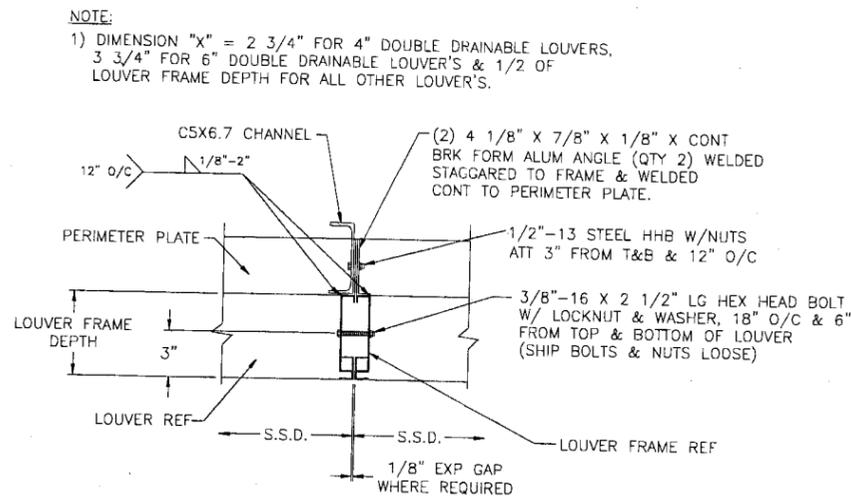
By: *[Signature]*  
Miami Dade Product Control Division

*Edward P. [Signature]*  
7/08/2002

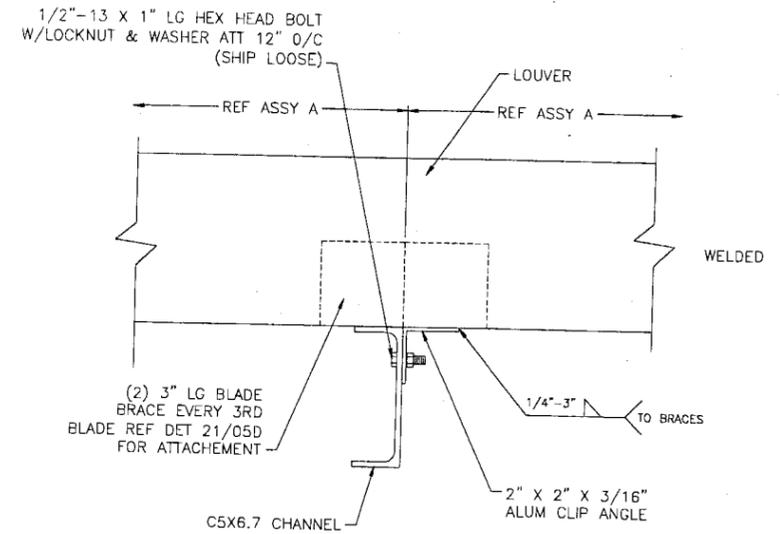
ENGINEER OF RECORD	REGISTRATION #	REVD MAX PSF RATING	JW	VMA	VMA	5-26-02
ENGINEERING DISCIPLINE	(A)					
CHANGE LETTER	REVISION DESCRIPTION	DWG. BY:	CHK'D. BY:	APP'D. BY:	DATE	
	RUSKIN Mig 3900 DR. Greaves RD Grandview, MO 64030					
DWG. BY: JW	DATE: 12-11-01	APP'D. BY:	DATE:	DATE:		
LOUVER DAMPER ASSY DADE CTY. FLORIDA	TITLE	ELF6375DXD W/CD50 SECTION & FASTENER LOAD	DWG. NO.	60-021806-01D		



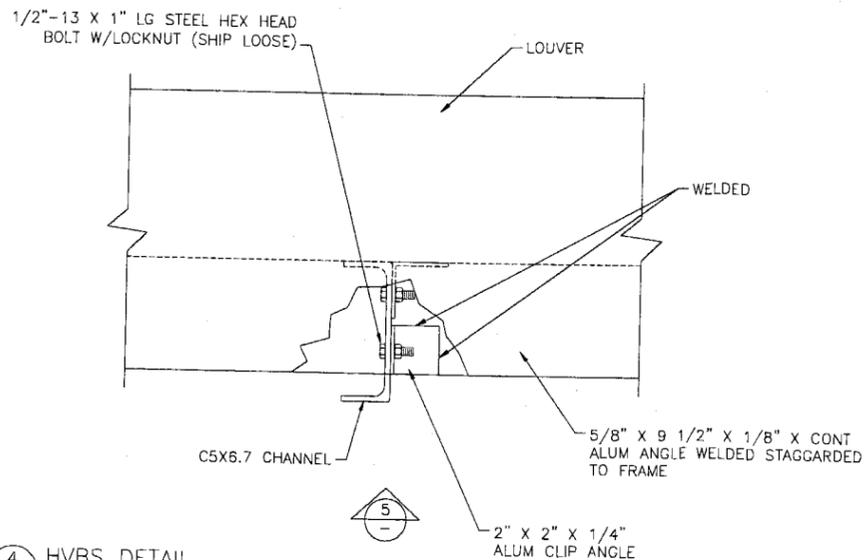
1 LOUVER @ JAMB DETAIL - (HEAD & SILL SIMILAR)  
 000 N.T.S.



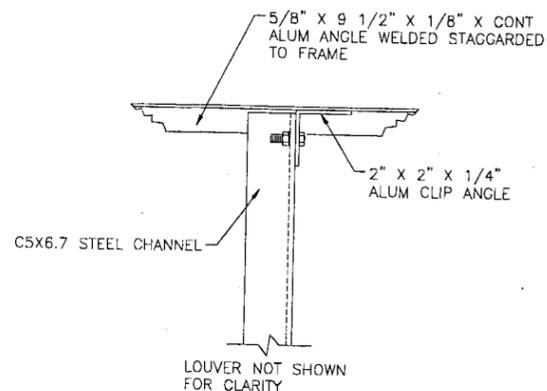
2 VISIBLE MULLION CONNECTION DETAIL  
 000 N.T.S.



3 HVBS DETAIL  
 000 N.T.S.



4 HVBS DETAIL  
 000 N.T.S.



5 HVBS HEAD DETAIL @ ANGLE FRAME (SILL SIM)  
 000 N.T.S.

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-032012  
 Expiration Date 07/09/11  
 By: [Signature]  
 National Trade Product Control  
 Division

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 02-0114.06  
 Expiration Date 07/09/06  
 By: [Signature]  
 National Trade Product Control  
 Division

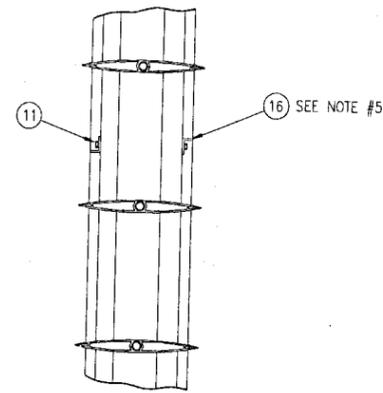
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NOTES:  
 1) REFERENCE DRAWING #60-021562-000 FOR SPECIFICATION'S, SCHEDULE, ASSEMBLIES & ADDITIONAL NOTES

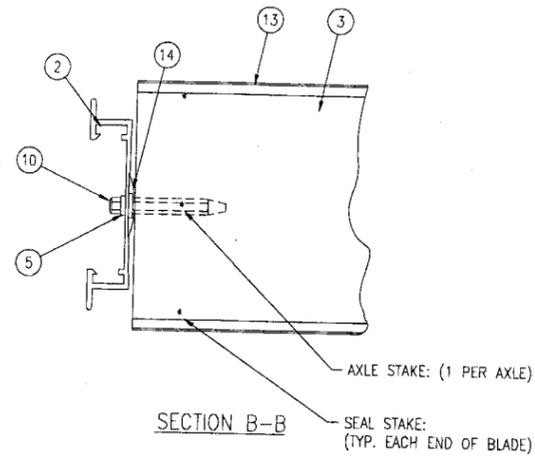
*Edward P. Butler*  
 7/09/2002

ENGINEER OF RECORD:		REVISION DESCRIPTION		DATE	
ENGINEERING DISCIPLINE:		REVISION DESCRIPTION		DATE	
REGISTRATION #:		REVISION DESCRIPTION		DATE	
CHANGE LETTER:		REVISION DESCRIPTION		DATE	
DRAWN BY: JW	CHK'D BY: [Signature]	APPROVED BY: [Signature]	DATE: 12-11-01	DATE: 07/09/11	DATE: 07/09/11
RUSKIN Mfg		3900 J.R. Groves Rd		Grandville, MI 49400	
LOUVER DAMPER ASSY		DADE CTY. FLORIDA		NONE	
TITLE		ELF6375DXD W/CD50		DETAILS	
Dwg. No.		60-021806-02D			

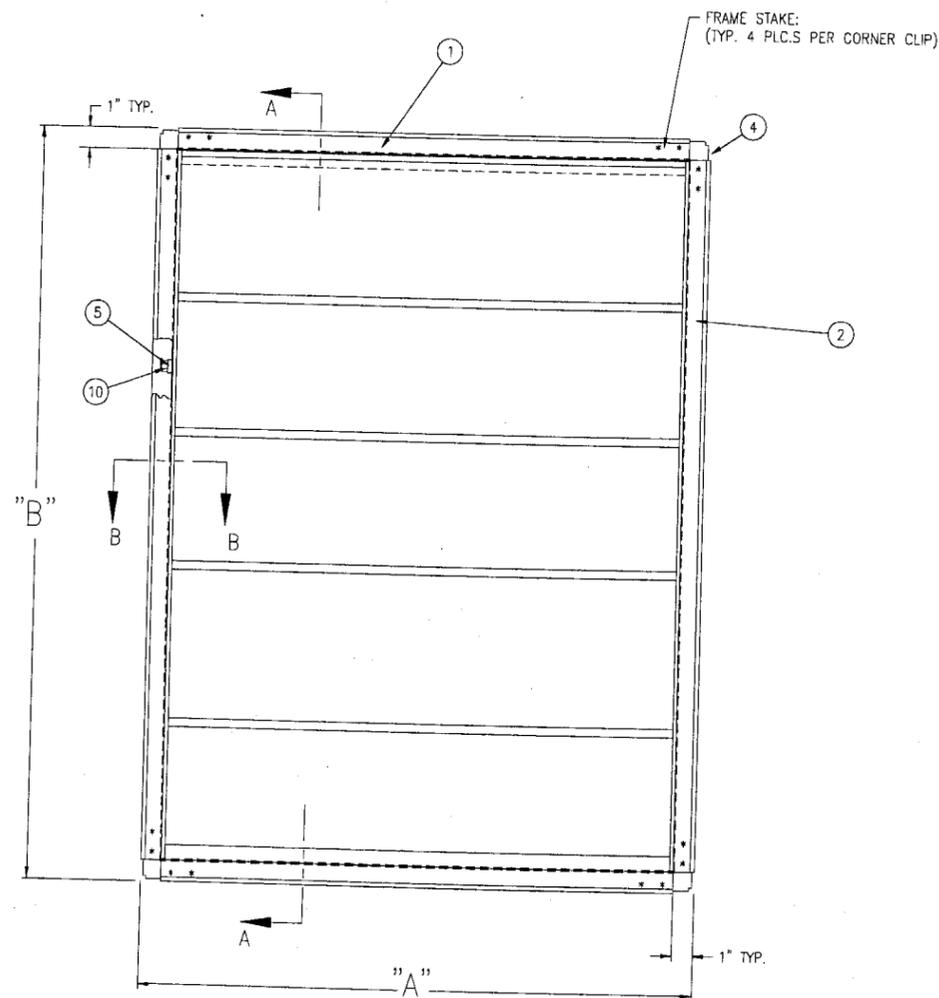




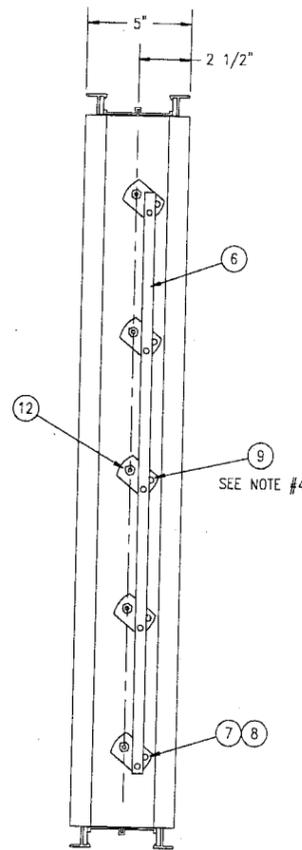
FRAME BRACE DETAIL  
UNITS OVER 48" "B" DIM.



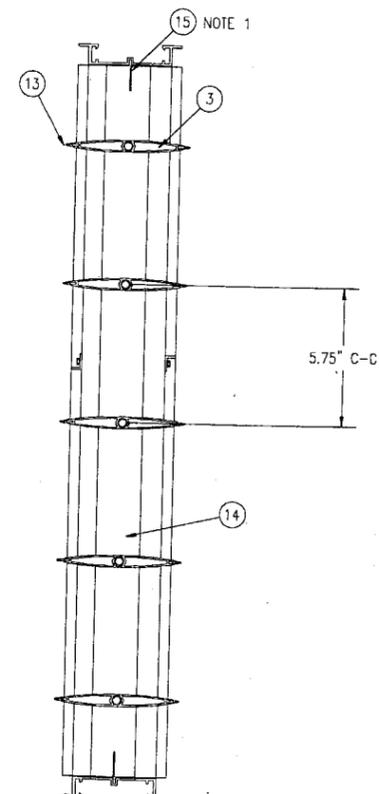
ITEM	DWG. NO.	DESCRIPTION
1	60-021563-09B	FRAME: TOP & BOTTOM
2	60-021563-10B	FRAME: SIDE
3	60-021563-11B	BLADE:
4	60-021563-12B	CORNER CLIP:
5	60-021563-14B	BEARING: SYNTHETIC
6	60-021563-20B	TIEBAR: 1/2" WIDE x 12 GA. GALV.
7		TRUARC RING: (PLTD.) E-25
8	60-021563-15B	"F" LINKAGE ASSEMBLY:
9	60-021563-21B	OVERTRAVEL STOP: 16 GA. GALV.
10	60-021563-18B	IDLER AXLE: (PLTD)
11		TEK SCREW: #10 x 3/4" LG. (PLTD)
12		TRUARC RING: (PLTD.) E-50
13	60-021563-13B	BLADE SEAL: SANTOPRENE
14	60-021563-19B	JAMB SEAL: STN. STL.
15		TRAVEL STOP: 1 1/4" X 1" X 3/4" X .06 ALUM.
16	①	FRAME BRACE: 3/4" x 3/4" x 1/8" thk. ALUM. ANGLE
18		
20		
21		
22		
23		
24		
25		



FACE VIEW  
SHOWN CLOSED



RIGHT SIDE VIEW  
PARALLEL BLADE  
SHOWN CLOSED



SECTION A-A  
SHOWN OPEN

- NOTES:
- TRAVEL STOP (ITEM 15) TO BE CENTERED ALONG BLADE LENGTH WITH 1" LEG ATTACHED TO FRAME BY 1/16" WELDS, # 10 TEK SCREWS OR 3/16" RIVETS. 1 1/4" LEG TO BE 1/16" AWAY FROM BLADE IN FULLY CLOSED POSITION.
  - BLADE LENGTH TO BE 9/32" LESS THAN INSIDE FRAME DIM.
  - FRAMES TO BE CAULKED AT CORNERS.
  - ONE OVER TRAVEL STOP (ITEM 9) REQUIRED ON P.B. DAMPERS ONLY.
  - FRAME BRACE (ITEM #16) IS REQUIRED ON ALL UNITS ABOVE 48" "B" DIMENSION, LOCATED APPROXIMATELY CENTER OF DAMPER FRONT AND BACK SIDES.

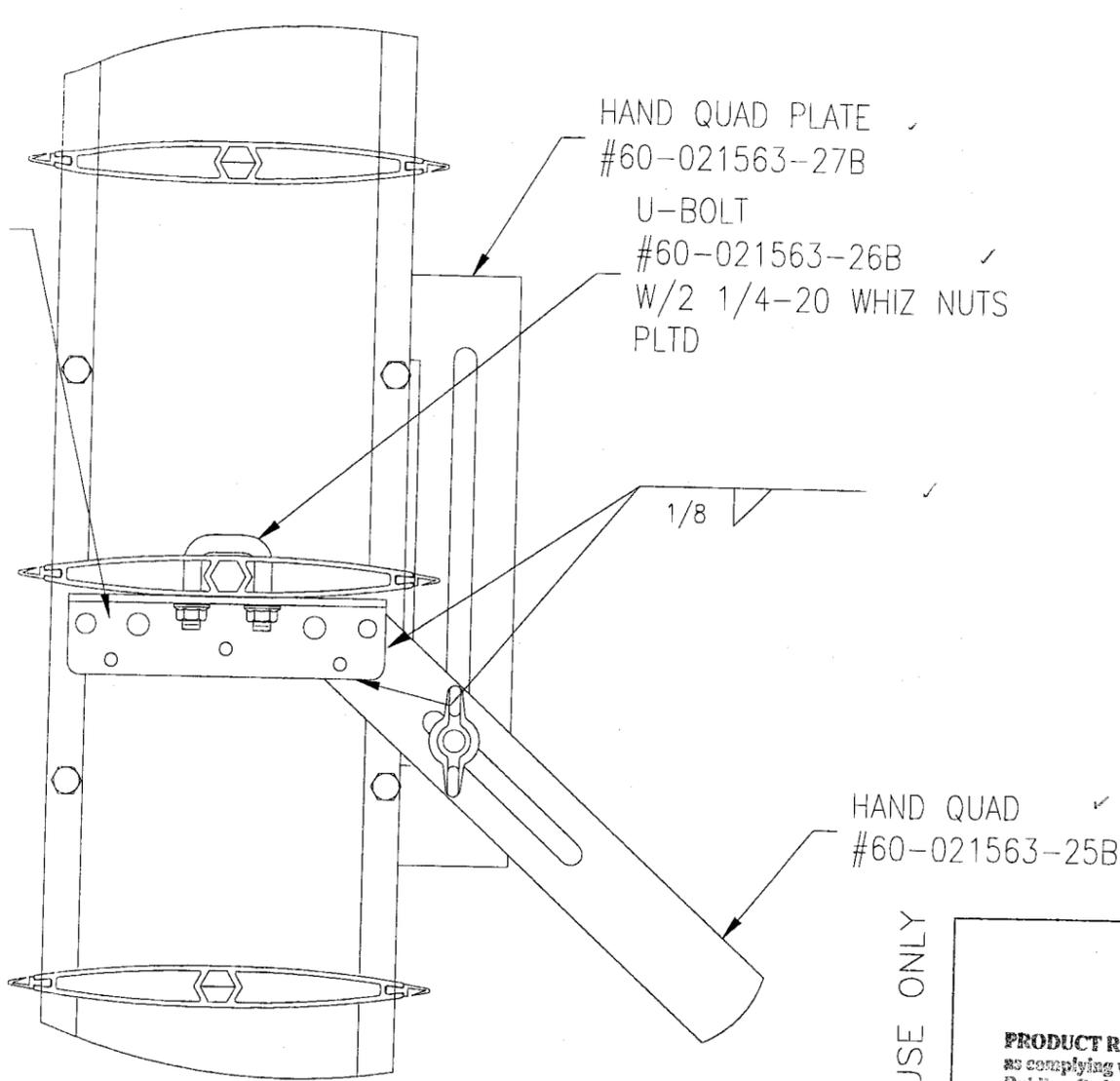
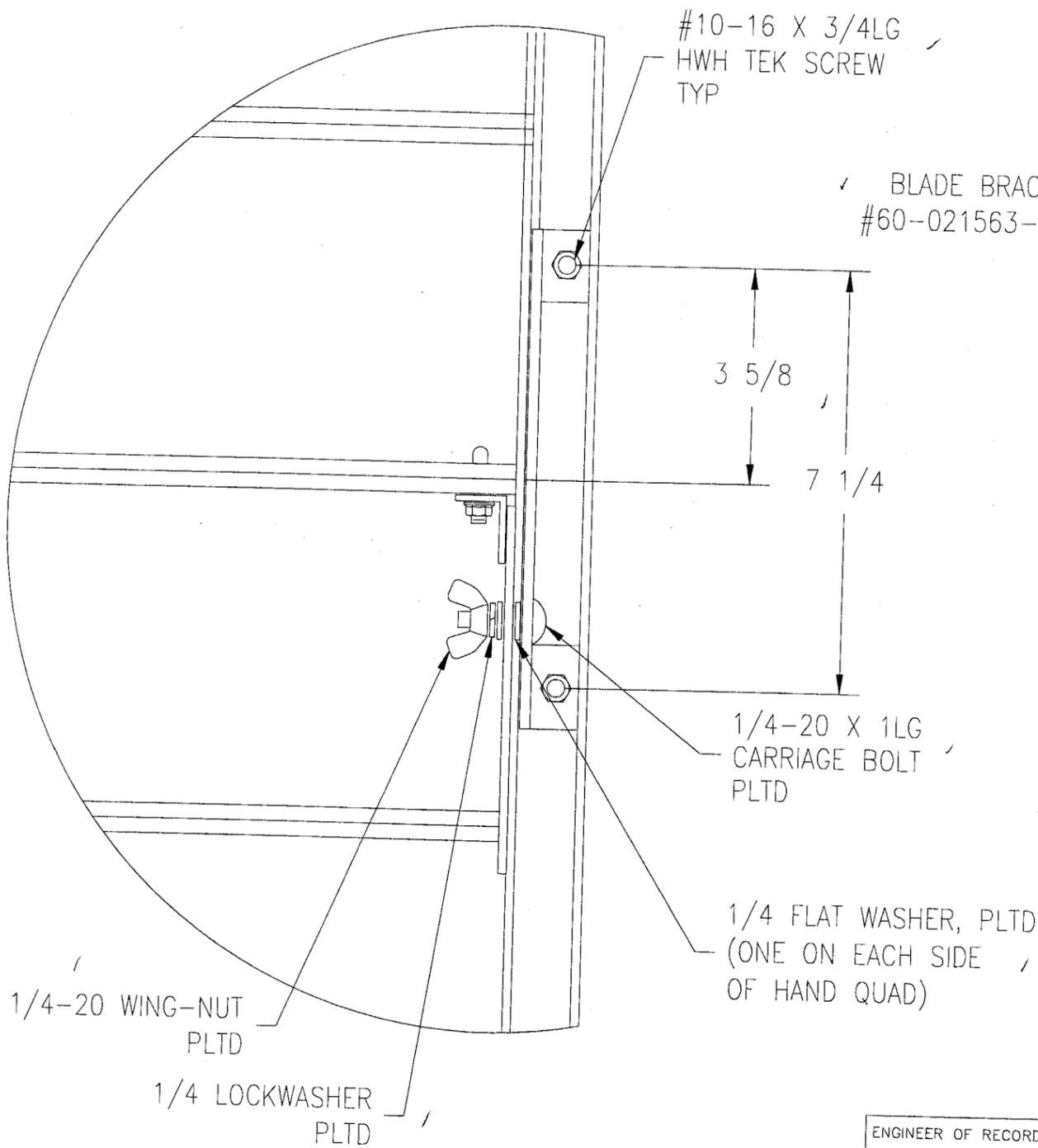
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 02-0114.06  
Expiration Date 07/09/06  
By *[Signature]*  
Miami Dade Product Control  
Division

UNLESS OTHERWISE SPECIFIED USE  
STANDARD ENGINEERING TOLERANCES

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 06-0320.12  
Expiration Date 07/09/11  
By *[Signature]*  
Miami Dade Product Control  
Division

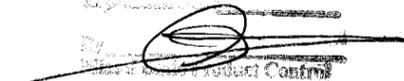
*Edmund P. Hutson*  
7/08/2002

ENGINEER OF RECORD:		CHARGE LETTER:		REVISION DISPOSITION:		DWN. BY:		CHK'D. BY:		APP'D. BY:		DATE:	
ENGINEERING DISCIPLINE:		REGISTRATION #:		DWN. BY:		CHK'D. BY:		APP'D. BY:		DATE:		DATE:	
DWN. BY: DDM		CHK. BY: -		APP'D. BY: -		APP'D. BY: -		DATE: 4/2/98		DATE: -		DATE: -	
DADE COUNTY, FLORIDA		TITLE:		CD-50 STANDARD DAMPER ASSEMBLY		DWG. NO.:		60-021806-09D		DATE:		DATE:	



FOR OFFICE USE ONLY

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 02/0114.06  
 Expiration Date 10/09/06  
 By:   
 Miami Dade Product Control  
 Division

06-032012  
  
 Division

*Edward P. Hartman*  
 1/04/2002

ENGINEER OF RECORD: —				CHANGE LETTER		REVISION DESCRIPTION		DWN. BY:	CHK'D. BY:	APPV'D. BY:	APPV'D. BY:	DATE
ENGINEERING DISCIPLINE: —				—		—		—	—	—	—	—
REGISTRATION #: —				—		—		—	—	—	—	—
DWN. BY: DDM	CHK. BY:	APPV'D. BY:	APPV'D. BY:	RUSKIN Mfg. Grandview, MO		PLOT SCALE		DWG. CERTIFIED				
DATE: 4/2/98	DATE:	DATE:	DATE:	—		NONE		BY: _____ DATE: _____				
—				TITLE		—		DWG. NO.				
—				HAND QUAD CD-50 DAMPER		—		60-021806-24B				