



**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)**

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**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 High Velocity Hurricane Zone of the Florida Building Code.

**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.

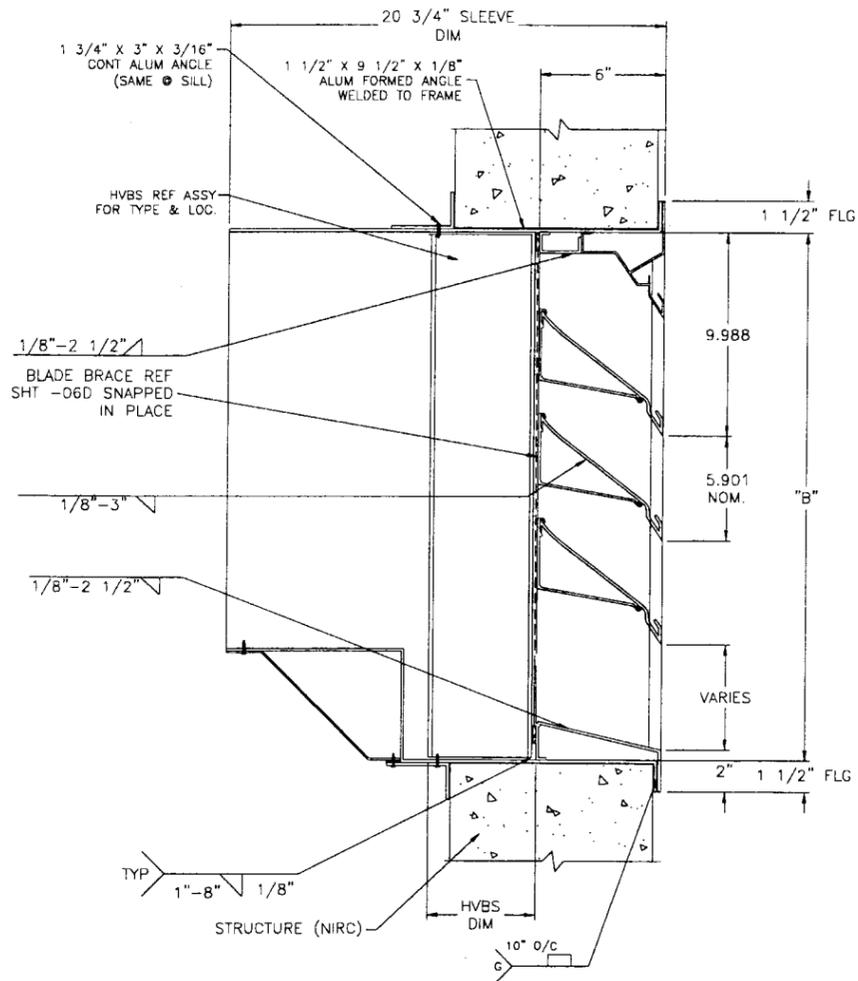
**This NOA revises NOA #01-0912.02 & 01-0328.04 and consists of this page 1 as well as approval document mentioned above.**

The submitted documentation was reviewed by **Candido F. Font PE.**

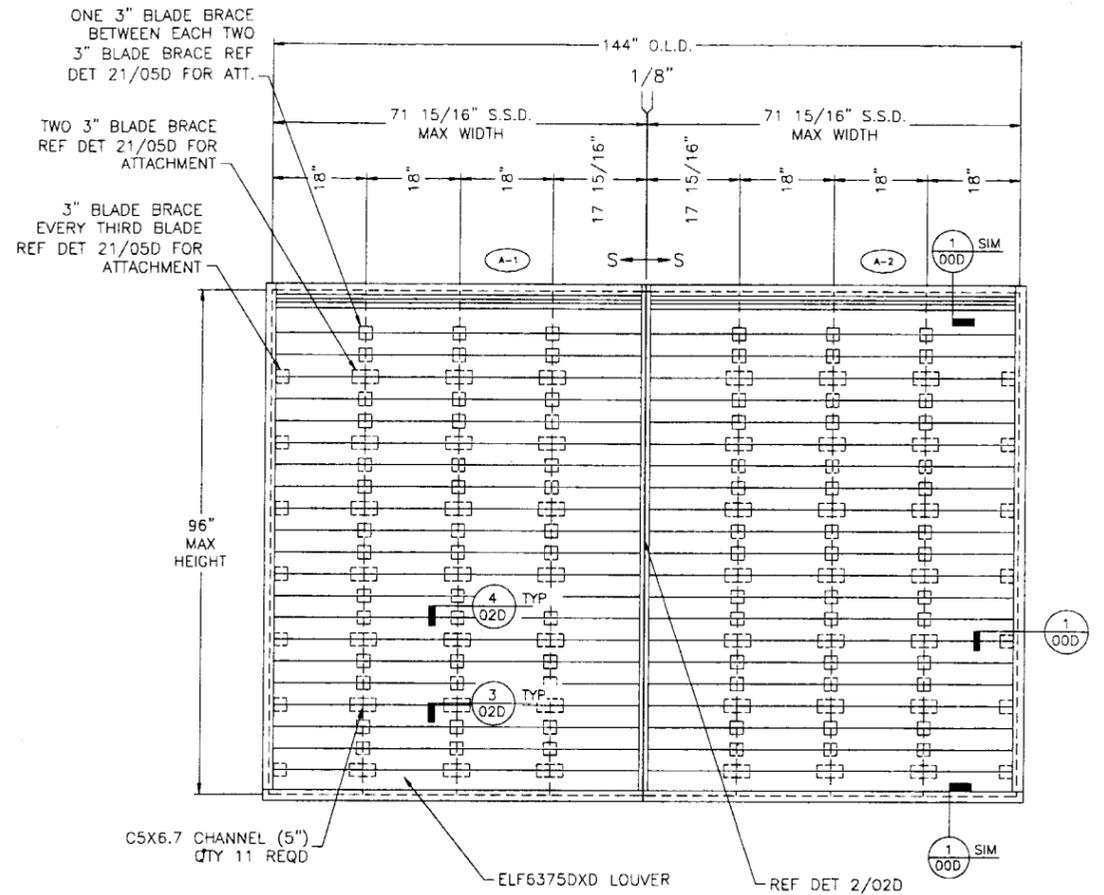


**NOA No: 02-0114.06  
Expiration Date: July 09, 2006  
Approval Date: August 08, 2002  
Page 1**

<b>FRAME</b>	
6063-T5 extruded aluminum with .125" nominal wall thickness. W/4" x 1" angle rear @ perimeter only.	
Flange frame is same material and thickness as above.	
<b>BLADES</b>	
6063-T5 extruded aluminum with .080" nominal wall thickness. Blades are positioned at 37.5° angle.	
<b>SCREEN</b>	
3/4" x .051" expanded flat-tened aluminum bird screen.	
1/2" mesh x .063" aluminum bird screen. Note 1.	
16-16 mesh alum insect screen	
No screen.	
<b>FINISH</b>	
Mill.	
Kynar (opt).	
Baked enamel (modified fluoropolymer, 50% Kynar, opt).	
Color Anodize (opt).	
Clear Anodize (opt).	
Color: SEE NOTE #15	
<b>ACCESSORIES</b>	
Extended sill. REF DETAIL'S	
Clip angles.	
Blankoff panel.	
1 1/2" X 1 1/2" X 1/8" Continuous angles at perimeter	



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



**ELF6375DXD LOUVER ASSEMBLY 'A'**  
 NOTES FRONT VIEW

**NOTES:**

- WELD BIRD SCREEN TO SCREEN FRAME @ 12" C-C.
- THE STRUCTURE 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.
- THESE LOUVERS ARE TO BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT/ WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.

**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:**

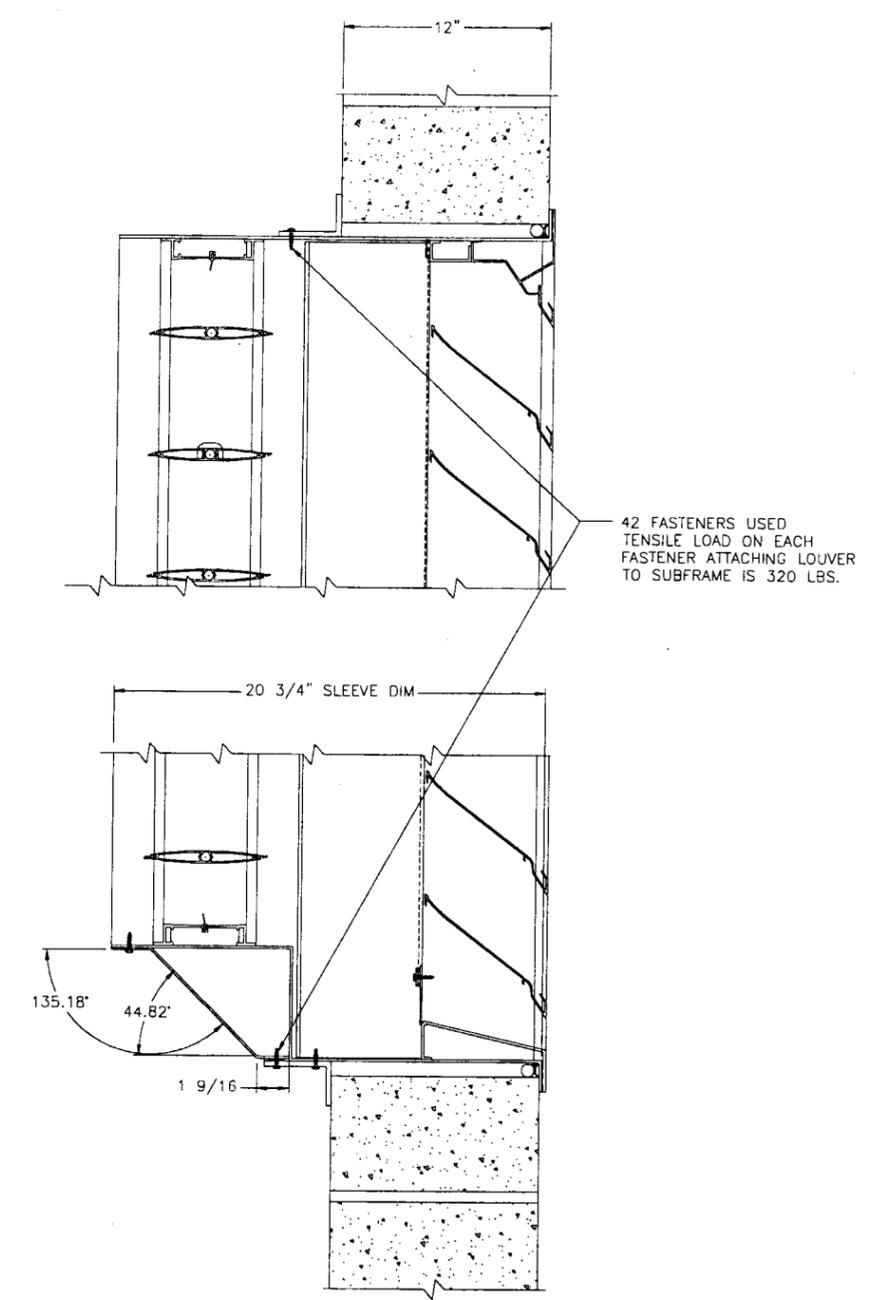
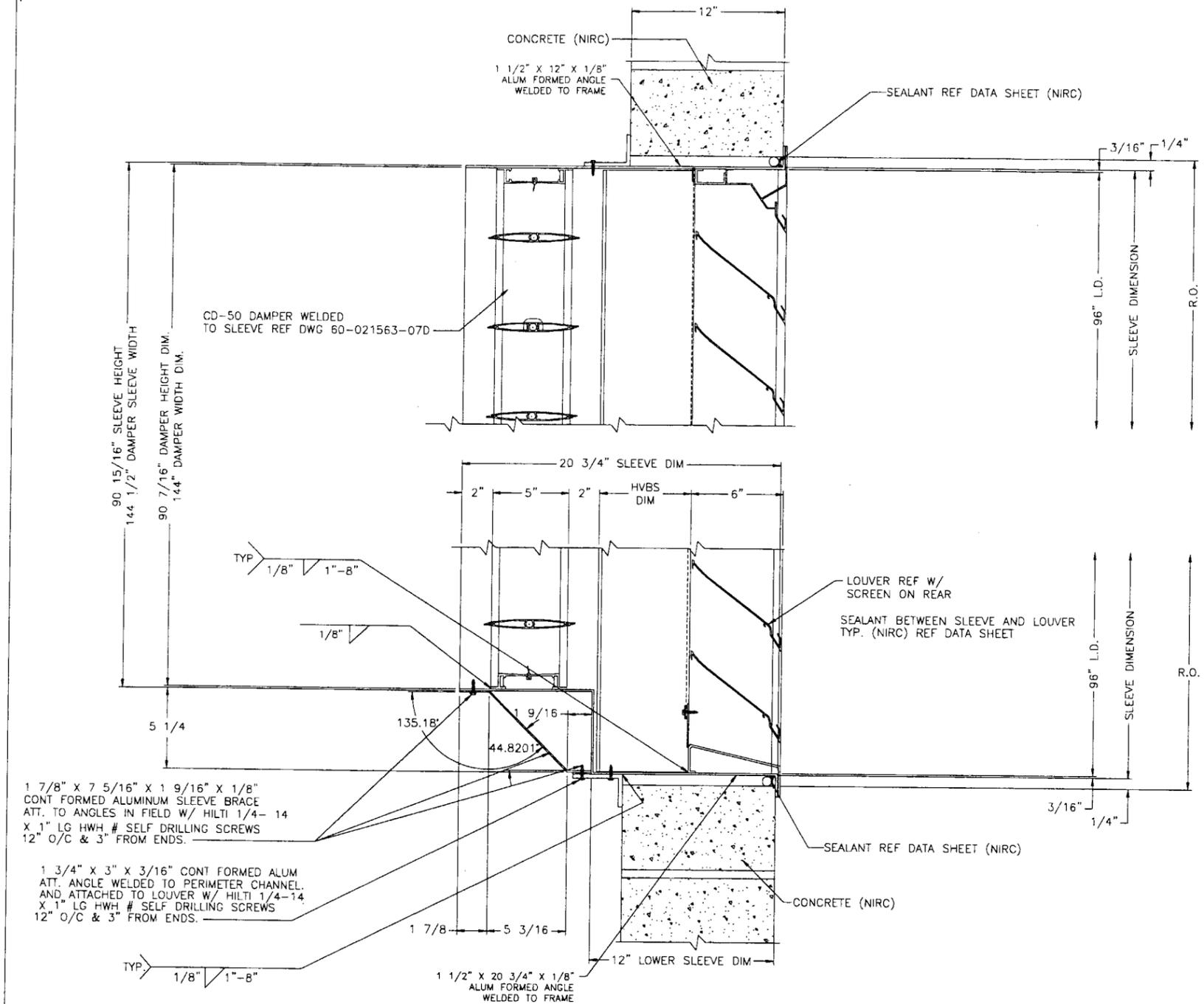
- THE STRUCTURAL SUBSTRATE THAT HOLDS THE LOUVER IN PLACE, IS ASSUMED TO BE STRUCTURALLY SOUND AND STABLE TO TAKE THE LOADS DISPERSED BY THE LOUVER.
- LOUVER IS NONBEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEADLOADS.

FOR OFFICE USE ONLY

**PRODUCT REVISED**  
 SS complying with the Florida Building Code  
 Approved by 02-0114.06  
 Expiration Date 07/09/06  
 Miami Dade Product Control Division

*Edward P. Hutton*  
 7/09/2002

ENGINEER OF RECORD					
ENGINEERING DISCIPLINE		REVD NOTES & SPEC	JW	VMA	VMA
REGISTRATION #		CHANGE LETTER			5-26-02
OWN BY: JW	CHKD BY: -	APPRD BY: -	APPRD BY: -	DATE: -	DATE: -
DATE: 12-11-01	DATE: -	DATE: -	DATE: -	DATE: -	DATE: -
LOUVER DAMPER ASSY	DADE CTY. FLORIDA	TITLE	ELF6375DXD & CD50 ASSEMBLIES & SECTIONS	DWG. NO.	60-021806-00D



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.      HVBS = HIDDEN VERTICAL BLADE SUPPORT.

R.O. = ROUGH OPENING              SSD = SHIP SECTION DIM.

A.L. = ANGLE LENGTH                L.D. = LOUVER DIM.

O.D. = OPENING DIM.                DIM. = DIMENSION

N.T.S. = NOT TO SCALE                SIM = SIMILAR

NIRC = NOT IN RUSKIN CONTRACT

**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.

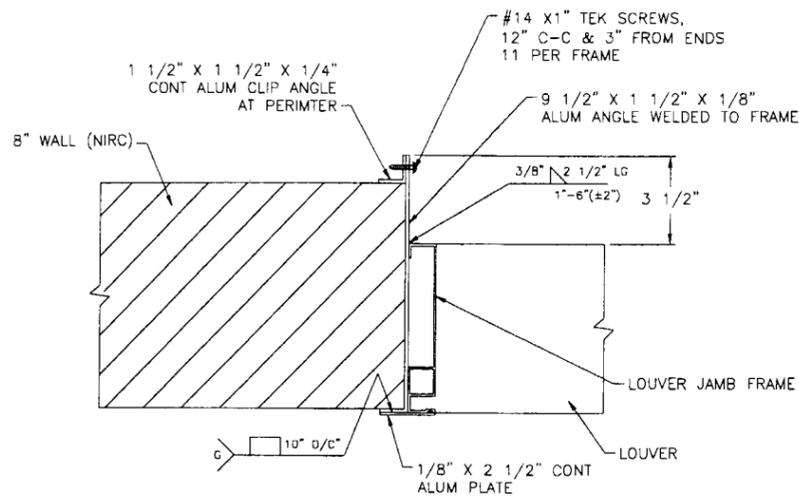
FOR OFFICE USE ONLY

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

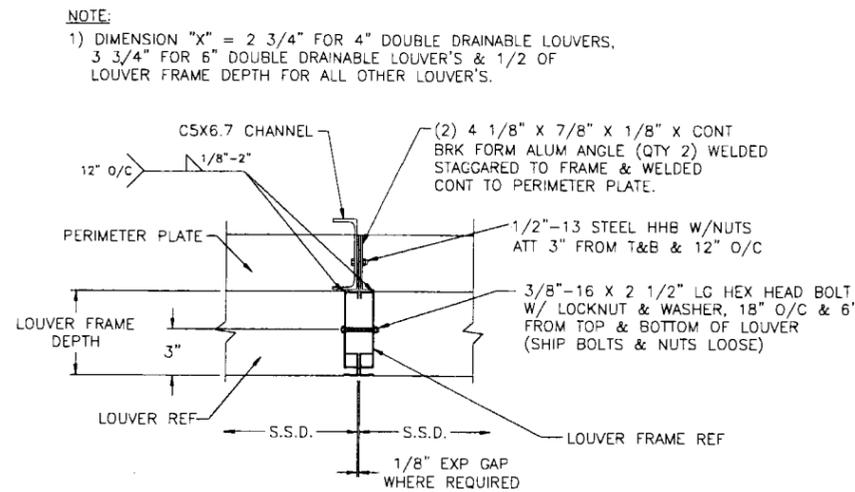
By *[Signature]*  
**Miami Dade Product Control Division**

*Edward P. Weston II*  
7/10/2002

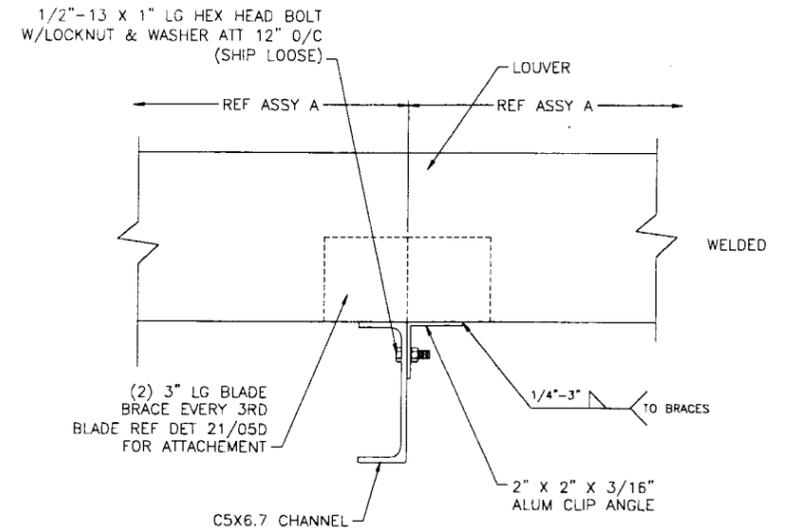
ENGINEER OF RECORD:		REVD MAX PSF RATING	JW	VMA	VMA	6-26-02
ENGINEERING DISCIPLINE:		CHANGE LETTER				
REGISTRATION #:		REVISION DESCRIPTION	DWN BY:	CHK'D BY:	APP'D BY:	DATE
DWN BY: JW	CHK BY: --	APPR'D BY: --	APPR'D BY: --			
DATE: 12-11-01	DATE: --	DATE: --	DATE: --			
LOUVER DAMPER ASSY DADE CTY. FLORIDA		TITLE	ELF6375DXD W/CD50 SECTION & FASTENER LOAD		PLOT SCALE: NONE DWC CERTIFIED BY: -- DATE: --	
		RUSKIN Mfg 3900 DR. Greaves RD. Grandview, MD 64030		DWC NO.		60-021806-01D



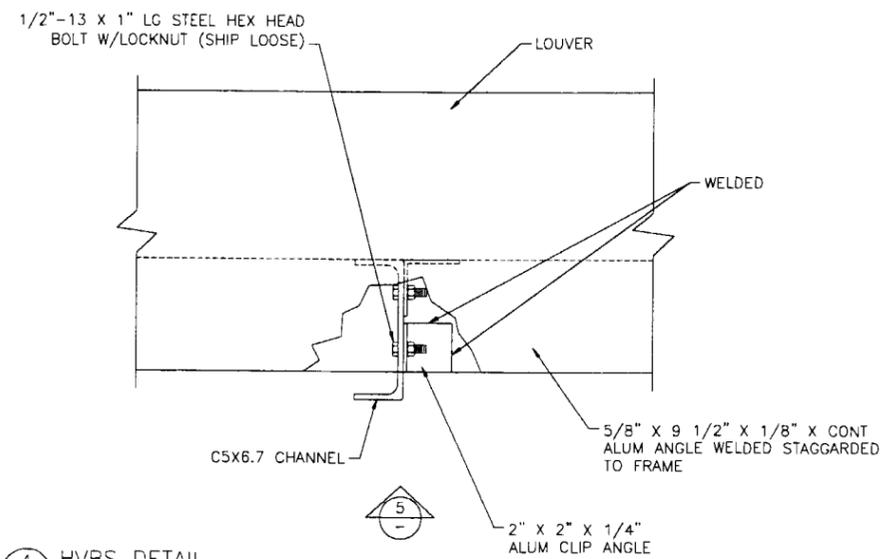
1 LOUVER @ JAMB DETAIL - (HEAD & SILL SIMILAR)  
 000 N.T.S.



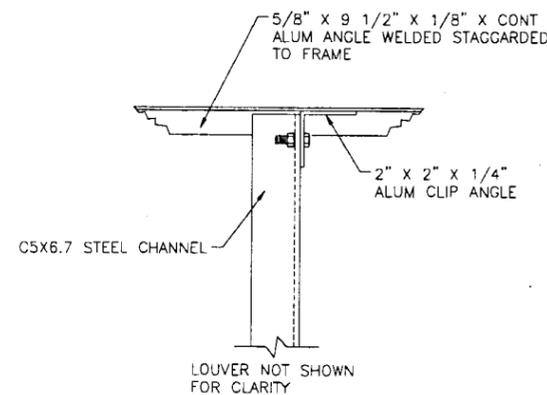
2 VISIBLE MULLION CONNECTION DETAIL  
 000 N.T.S.



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

By *[Signature]*  
 Miami Trade Prod. of Control  
 Division

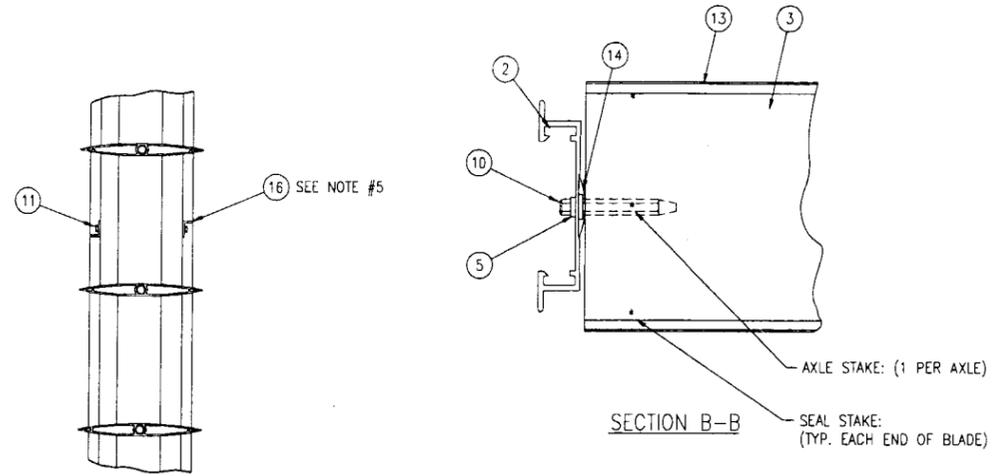
FOR OFFICE USE ONLY

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

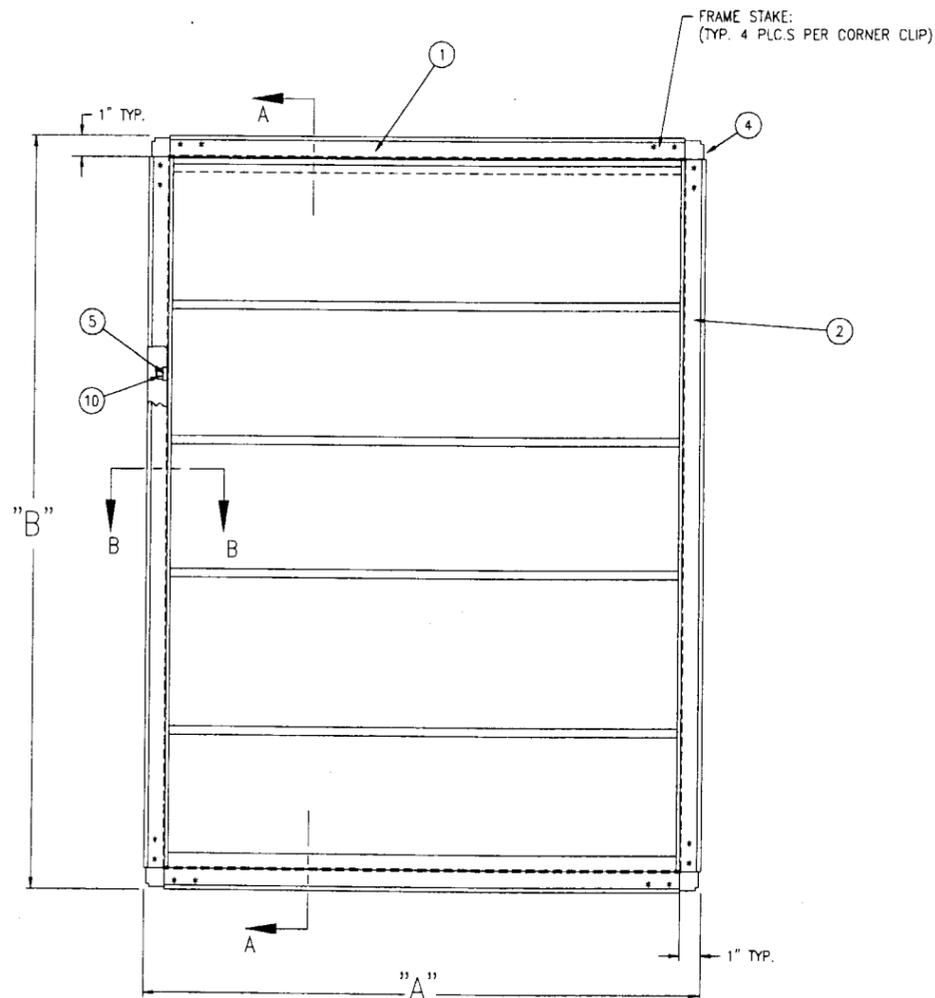
*Edward P. Butler*  
 7/09/2002

ENGINEER OF RECORD:		REVD DET 1/000		JW	VMA	VMA	6-20-02
ENGINEERING DISCIPLINE:		REVISION DESCRIPTION		OWN BY:	CHEK BY:	APPRD BY:	DATE
REGISTRATION #:		RUSKIN Mfg 3900 DR. Greaves RD Grandview, MD 64030		PLAT SCALE:	DWC CERTIFIED		
DATE:	DATE:	DATE:	DATE:	NONE	BY:		DATE:
12-11-01					DWC NO:		
LOUVER DAMPER ASSY DADE CTY. FLORIDA				TITLE		60-021806-02D	
				ELF6375DXD W/CD50 DETAILS			

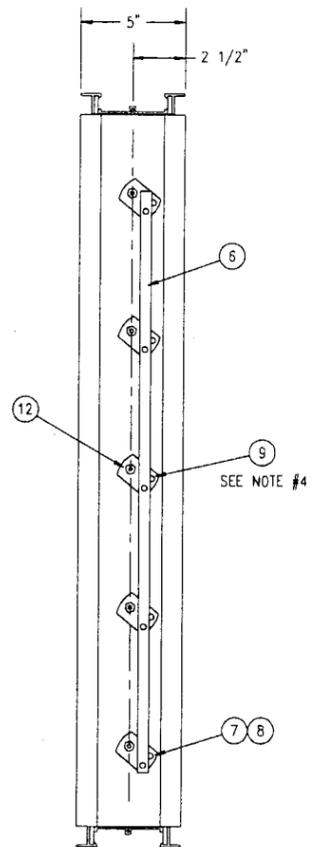




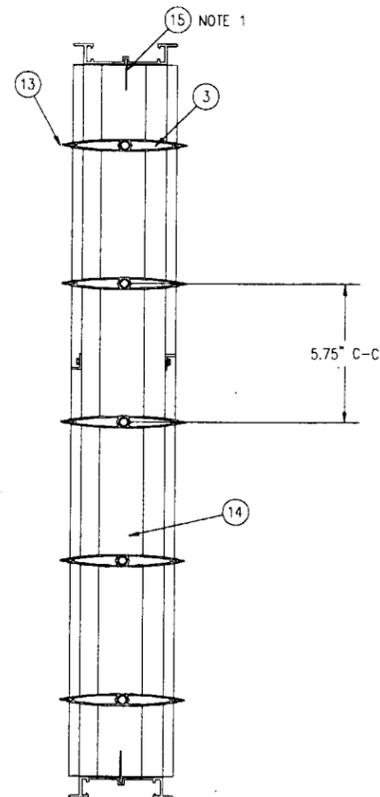
FRAME BRACE DETAIL  
UNITS OVER 48" "B" DIM.



FACE VIEW  
SHOWN CLOSED



RIGHT SIDE VIEW  
PARALLEL BLADE  
SHOWN CLOSED



SECTION A-A  
SHOWN OPEN

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	Ⓣ	FRAME BRACE: 3/4" x 3/4" x 1/8" thk. ALUM. ANGLE
17		
18		
19		
20		
21		
22		
23		
24		
25		

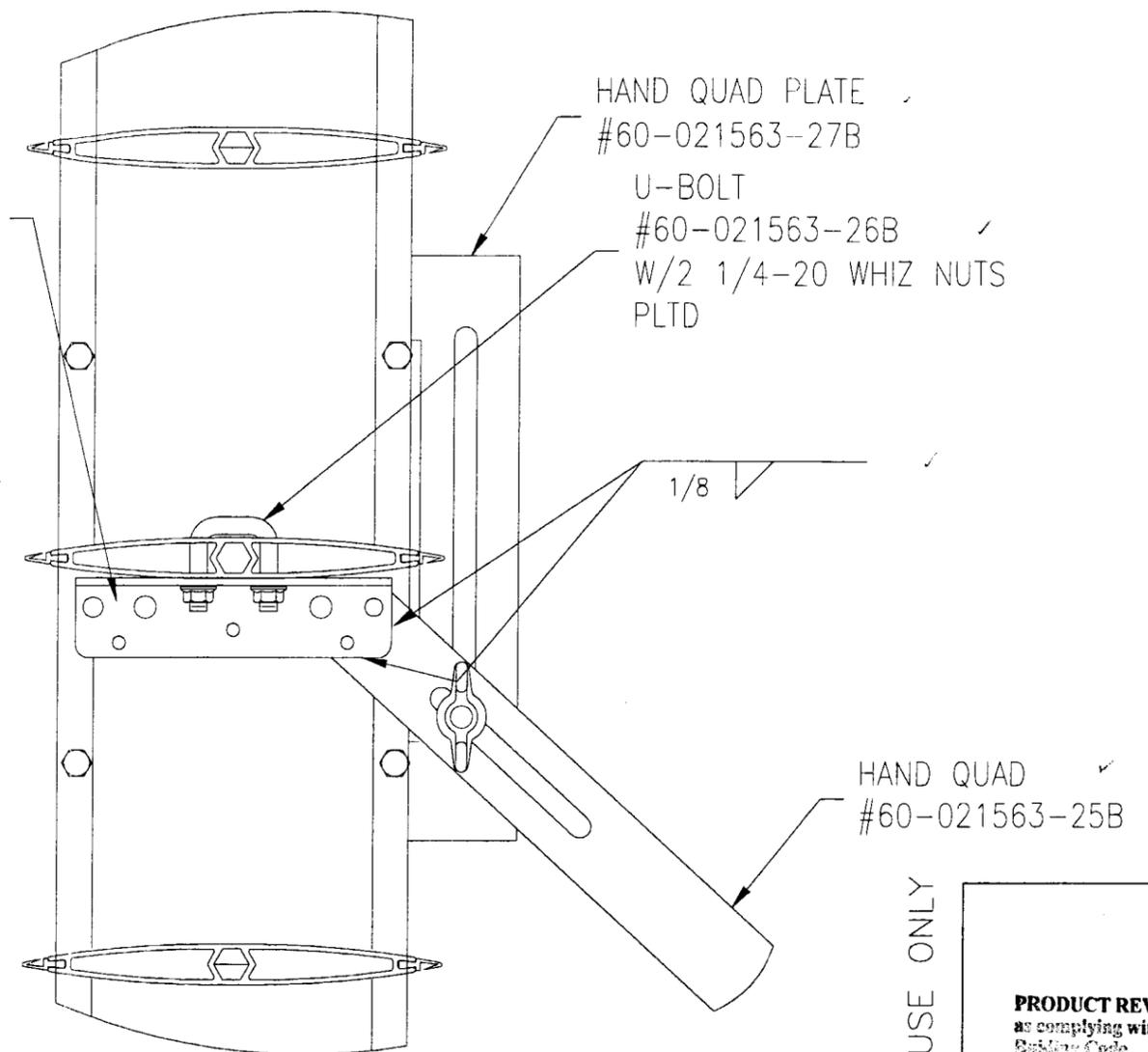
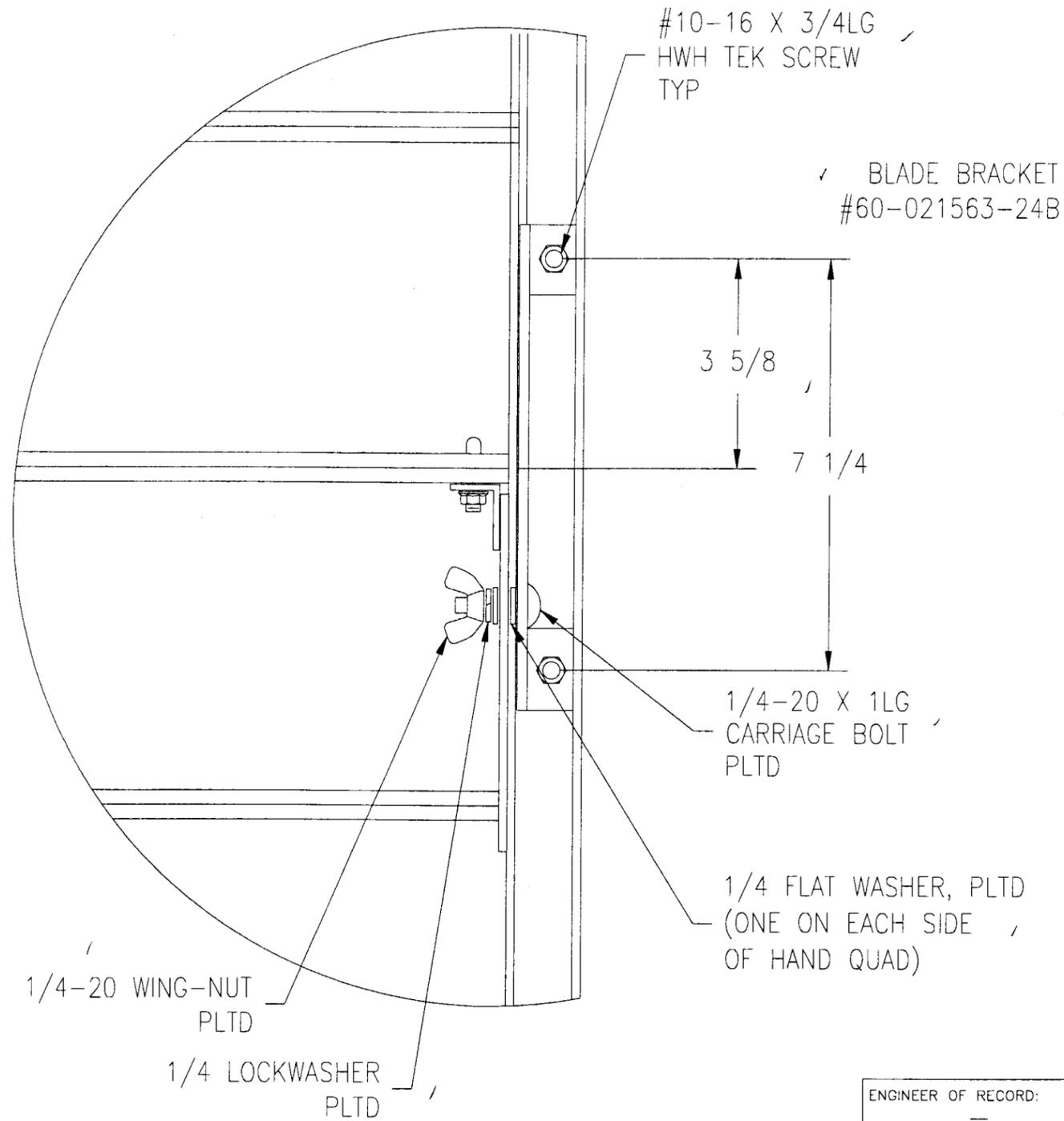
- NOTES:
- TRAVEL STOP (ITEM 15) TO BE CENTERED ALONG BLADE LENGTH WITH 1" LEG ATTACHED TO FRAME BY 1/16" WELDS, # 10 TEK SCREWS OR 3/16" RIVETS. 1 1/4" LEG TO BE 1/16" AWAY FROM BLADE IN FULLY CLOSED POSITION.
  - BLADE LENGTH TO BE 9/32" LESS THAN INSIDE FRAME DIM.
  - FRAMES TO BE CAULKED AT CORNERS.
  - 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.

*Edward P. Hartman*  
7/08/2002

**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

ENGINEER OF RECORD:		CHANGE LETTER:		REVISION DESCRIPTION:		OWN. BY:	CHK'D BY:	APP'D BY:	DATE:
ENGINEERING DISCIPLINE:		REGISTRATION #:		RUSKIN Mfg. Grandview, MD		PLOT SCALE:	DWG. CERTIFIED BY:		
OWN. BY:	DDM	CHK. BY:	---	APP'D. BY:	---	NONE			
DATE:	4/2/98	DATE:	---	DATE:	---	DATE:			
DADE COUNTY, FLORIDA		TITLE:		CD-50 STANDARD DAMPER ASSEMBLY		DWG. NO. 60-021806-09D			



FOR OFFICE USE ONLY

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

*Edward P. Autson*  
 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:	CHK. BY:	APPV'D. BY:	APPV'D. BY:	<b>RUSKIN Mfg.</b> Grandview, MD				PLOT SCALE		DWG. CERTIFIED		
DATE:	DATE:	DATE:	DATE:					NONE		BY: _____		
4/2/98										DATE: _____		
				TITLE				DWG. NO.				
				HAND QUAD CD-50 DAMPER				60-021806-24B				