



**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) 372-6339**

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

**Greenheck Fan Corporation
P.O. Box 410
Schofield, WI 54476**

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: EHH-601D Louver with and without VCD-40 Damper

APPROVAL DOCUMENT: Drawing No. **EHH-601D**, titled "EHH-601D Louver Flanged Frame", sheets 1 through 13 of 13, dated 03/14/07, prepared by Rice Engineering, signed and sealed by L. David Rice, P.E. on 01/24/08, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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 # **07-0925.02** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
3/17/08

**NOA No 08-0229.06
Expiration Date: November 1, 2012
Approval Date: April 10, 2008
Page 1**

Greenheck Fan Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **EHH-601D**, titled "EHH-601D Louver Flanged Frame", sheets 1 through 13 of 13, dated 03/14/07, prepared by Rice Engineering, signed and sealed by L. David Rice, P.E. on 01/24/08.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Series/Model EHH-601D, fixed aluminum louvers, prepared by Architectural Testing, Inc., Test Report No. **74301.01-602-18**, dated 09/04/07, signed and sealed by Joseph A. Reed, P.E.
2. Test report on Standard Test Methods for Tensile Testing of Metallic Materials, per ASTM E8-03, prepared by Architectural Testing, Inc., Test Report No. **74301.02-602-18**, dated 09/12/07, signed and sealed by Joseph A. Reed, P.E.
"Evidence Submitted under NOA # 07-0925.02"
3. Test report on Modified Wind Driven Rain Resistance TAS 110(A)-95 (Louvers Checklist # 0240), prepared by Architectural Testing, Inc., Test Report No. **79201.01-109-18**, dated 02/05/08, signed and sealed by Michael D. Stremmel, P.E.

C. CALCULATIONS

1. Structural calculations, prepared by Rice Engineering, dated 08/13/07, signed and sealed by L. David Rice, P.E.
"Evidence Submitted under NOA # 07-0925.02"

D. QUALITY ASSURANCE

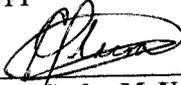
1. Miami Dade Building Code Compliance Office (BCCO).

E. STATEMENTS

1. Statement letter of conformance issued by Rice Engineering, dated 01/24/08, signed and sealed by L. David Rice, P.E.
2. Statement letter of no financial interest issued by Rice Engineering, dated 01/24/08, signed and sealed by L. David Rice, P.E.
3. Statement letter of conformance issued by Architectural Testing, Inc., dated 02/08/08, signed and sealed by Michael D. Stremmel, P.E.

F. OTHER

1. Notice of Acceptance # **07-0925.02**, issued to Greenheck Fan Corporation for their Model EHH-601D Louver with and without VCD-40 Damper, approved on 11/01/07 and expiring on 11/01/12.

 3/17/08

Carlos M. Utrera, P.E.

Product Control Examiner
NOA No 08-0229.06

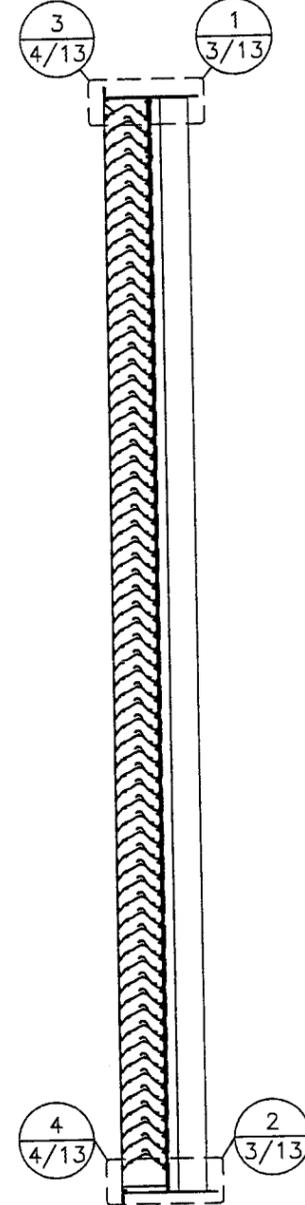
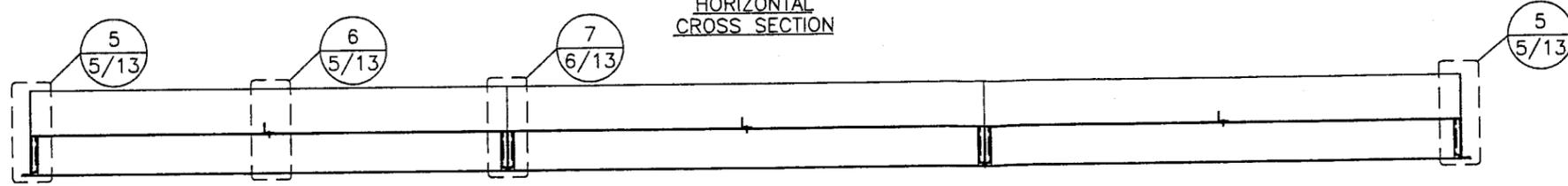
Expiration Date: November 1, 2012
Approval Date: April 10, 2008

144.813 LOUVER OPENING
 144.313 OUTSIDE OF SLEEVE DIMENSION
 144.000 MAX. ACTUAL LOUVER DIMENSION



0.250
 0.156
 0.156
 72.000 MAX. ACTUAL LOUVER DIMENSION
 216.313 OUTSIDE SLEEVE DIMENSION
 216.563 LOUVER OPENING DIMENSION
 72.000 MAX. ACTUAL LOUVER DIMENSION
 72.000 MAX. ACTUAL LOUVER DIMENSION
 0.125
 0.156

HORIZONTAL CROSS SECTION



VERTICAL CROSS SECTION

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 08-0229-DC
 Expiration Date 11/1/2012
 By [Signature]
 Miami Dade Product Control
 Division

DRAWN BY BAUMANN	DATE 3/14/2007
SCALE 1/2" = 1'-0"	SHEET NO. 1 OF 13
CAD DRAWING NO. EHH-601D	

GREENHECK
 P.O. BOX 410 SCHOFIELD,
 WISCONSIN 54476-0410

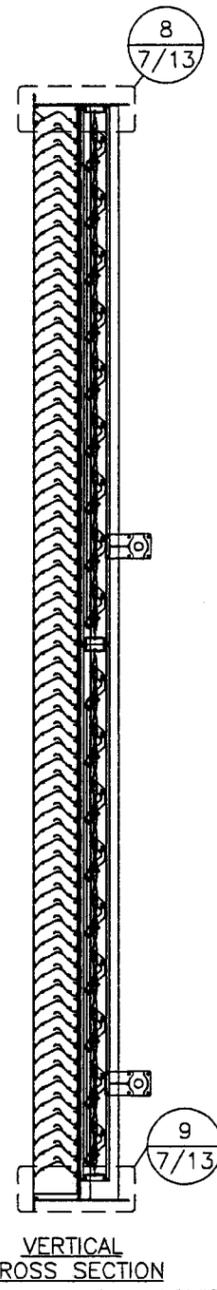
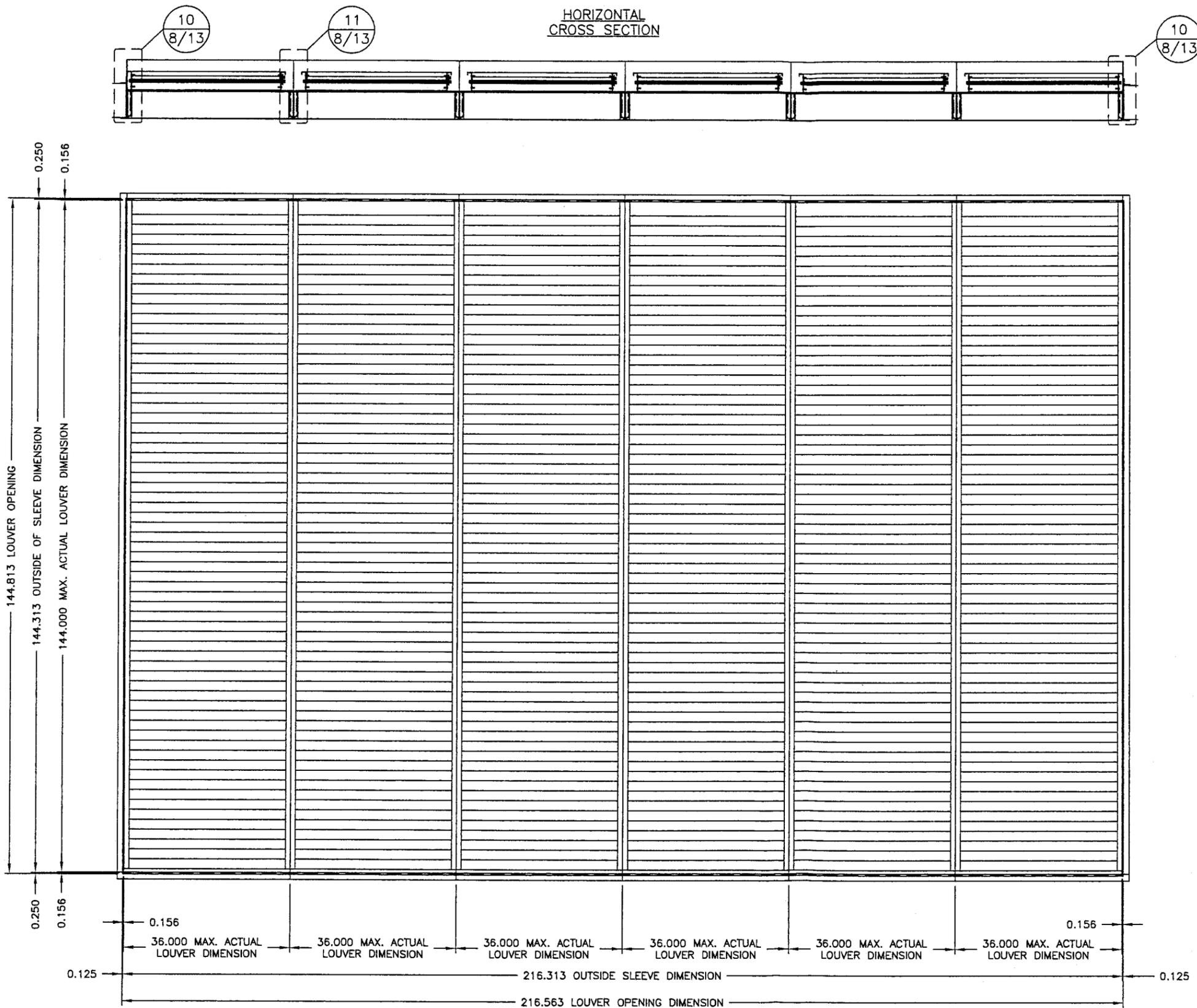
**EHH-601D LOUVER
 FLANGED FRAME**

TITLE
 ELEVATION

RICE ENGINEERING
 105 School Creek Trail
 Luxemburg, WI 54217
 Phone: 920.845.1042
 Fax: 920.845.1048
 www.rice-inc.com

Florida Firm No: F-01000005061
 Certificate of Authorization: #9090
 L. David Rice
 Registration No: 50923

[Signature]
 L. DAVID RICE



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No *09-0229-06*
 Expiration Date *11/1/2012*
 By *[Signature]*
 Miami Dade Product Control
 Division

DRAWN BY BAUMANN	DATE 3/14/2007
SCALE 1/2" = 1'-0"	
SHEET NO. 2 OF 13	
CAD DRAWING NO. EHH-601D	

GREENHECK
 P.O. BOX 410 SCHOFIELD,
 WISCONSIN 54476-0410

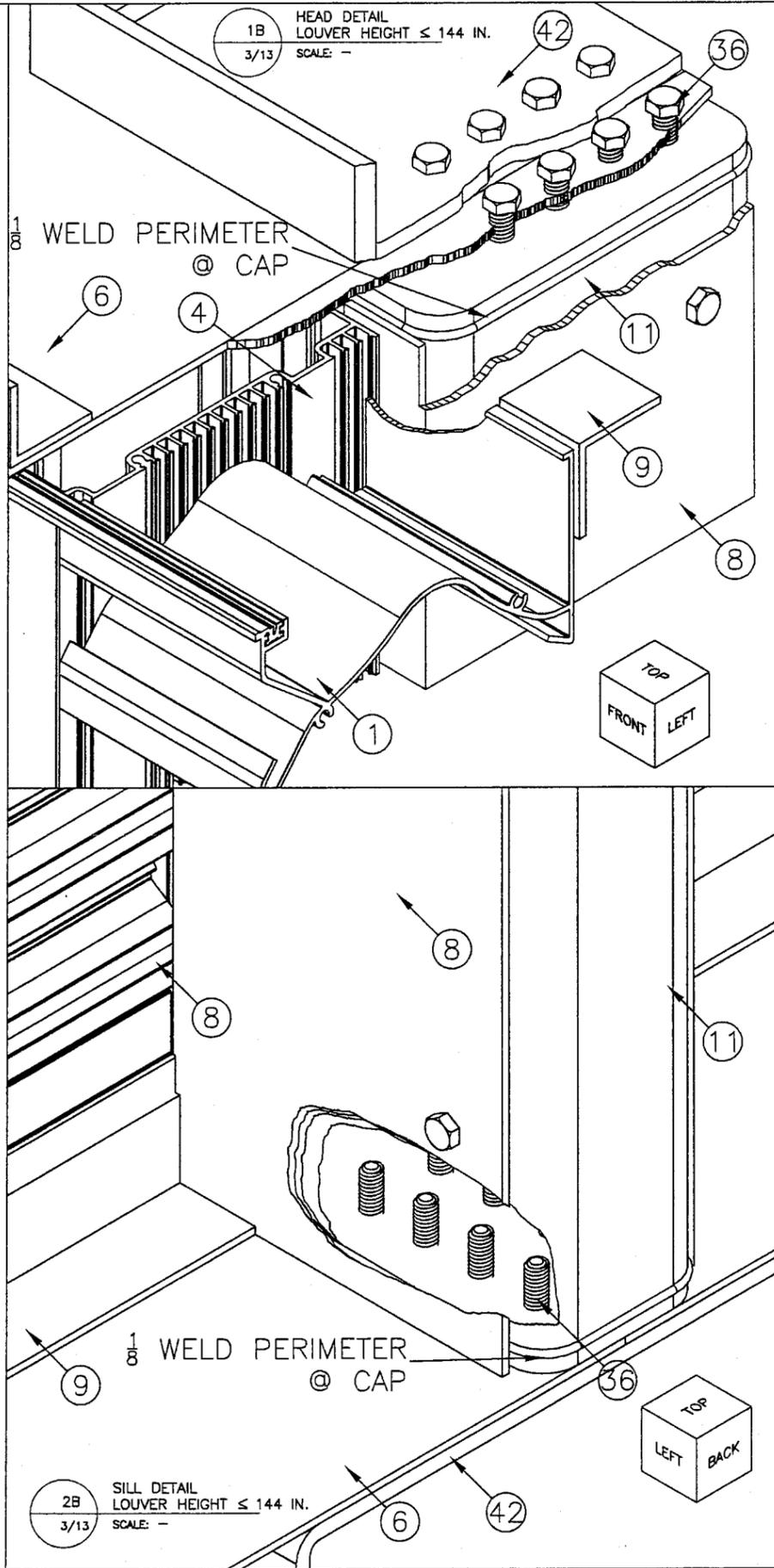
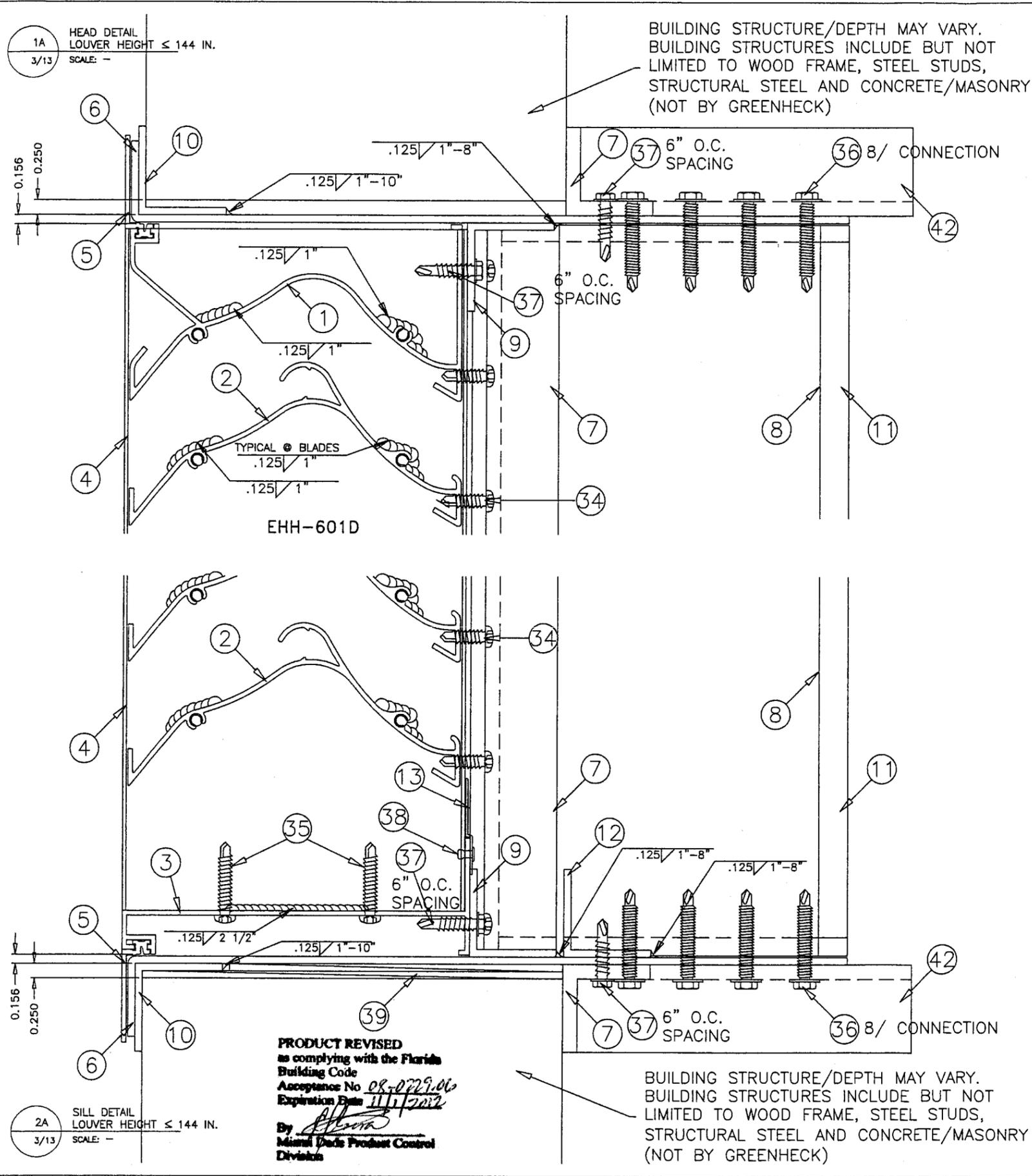
**EHH-601D LOUVER
 FLANGED FRAME
 W/ VCD-40
 ELEVATION**

**RICE
 ENGINEERING**
 105 School Creek Trail
 Luxemburg, WI 54217
 Phone: 920.845.1042
 Fax: 920.845.1048
 www.rice-inc.com

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 Certificate of Authorization: #9090
 L. David Rice
 Registration No: 50923

[Signature]

L. DAVID RICE



DATE 3/14/2007
 DRAWN BY BAUMANN
 SCALE 1/2
 SHEET NO. 3 OF 13
 CAD DRAWING NO. EHH-601D

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 WISCONSIN 54476-0410

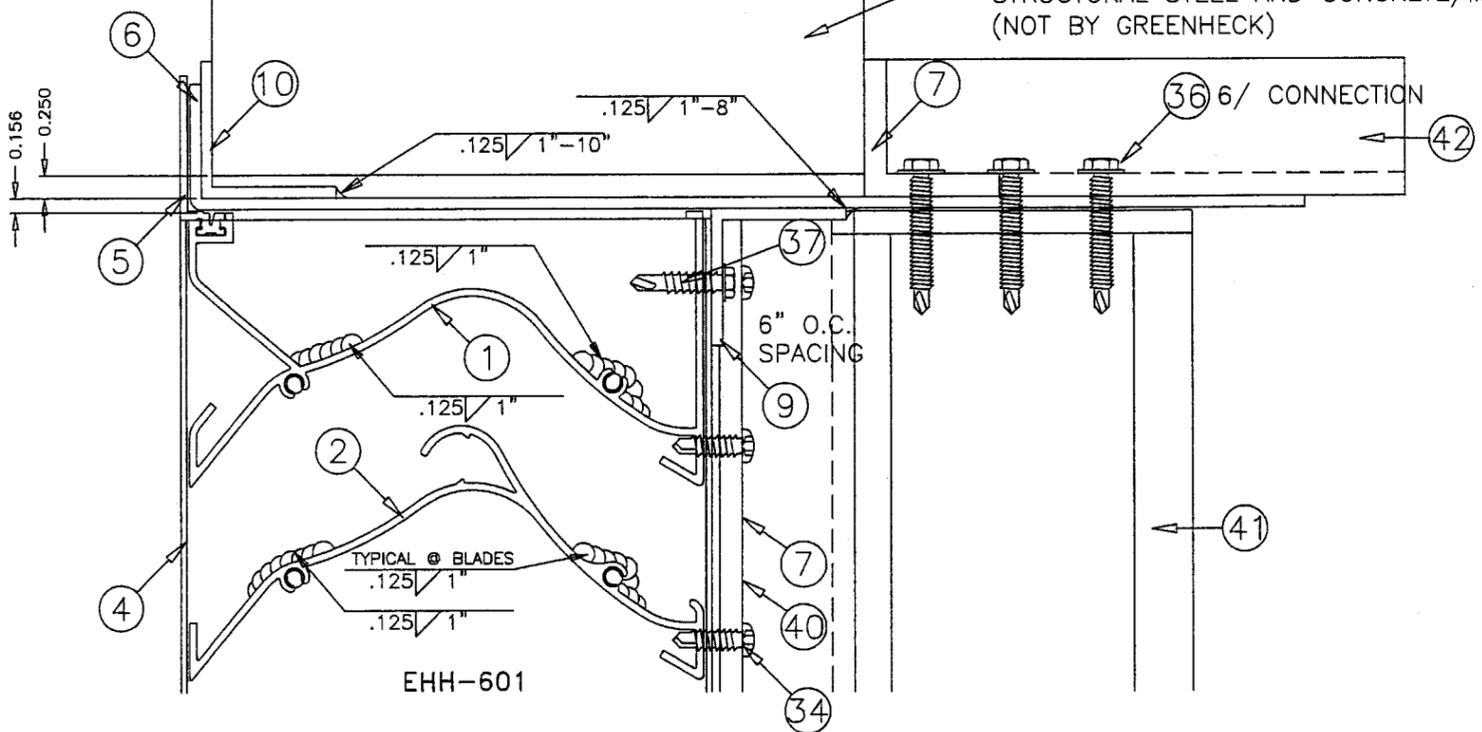
EHH-601D LOUVER
 FLANGE FRAME
 HEAD & SILL DETAILS
 W/TUBE CONNECTION

RICE ENGINEERING
 105 School Creek Trail
 Luxemburg, WI 54217
 Phone: 920.845.1042
 Fax: 920.845.1048
 www.rice-inc.com

Florida Firm No: F-01000005061
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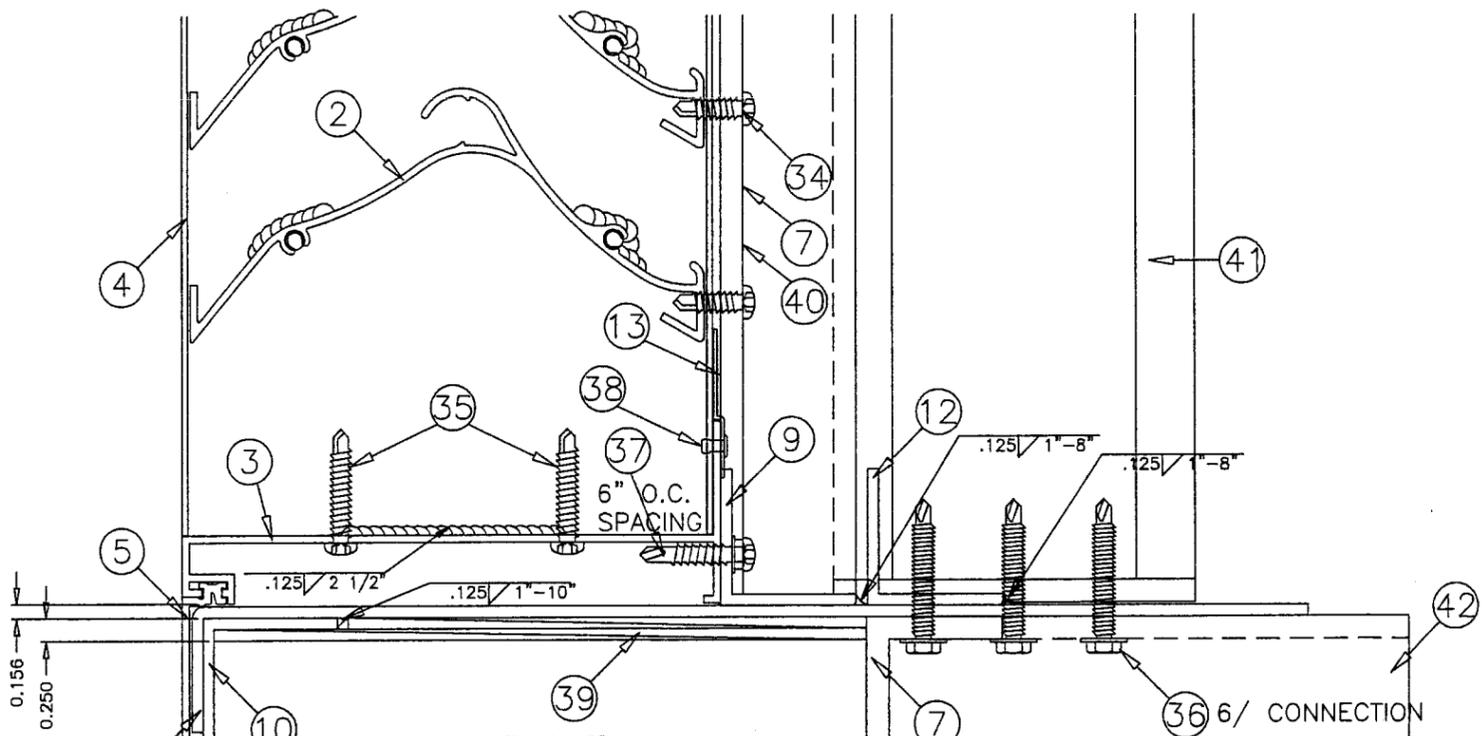
L. DAVID RICE

3A HEAD DETAIL
LOUVER HEIGHT ≤ 96 IN.
SCALE: -
4/13



EHH-601

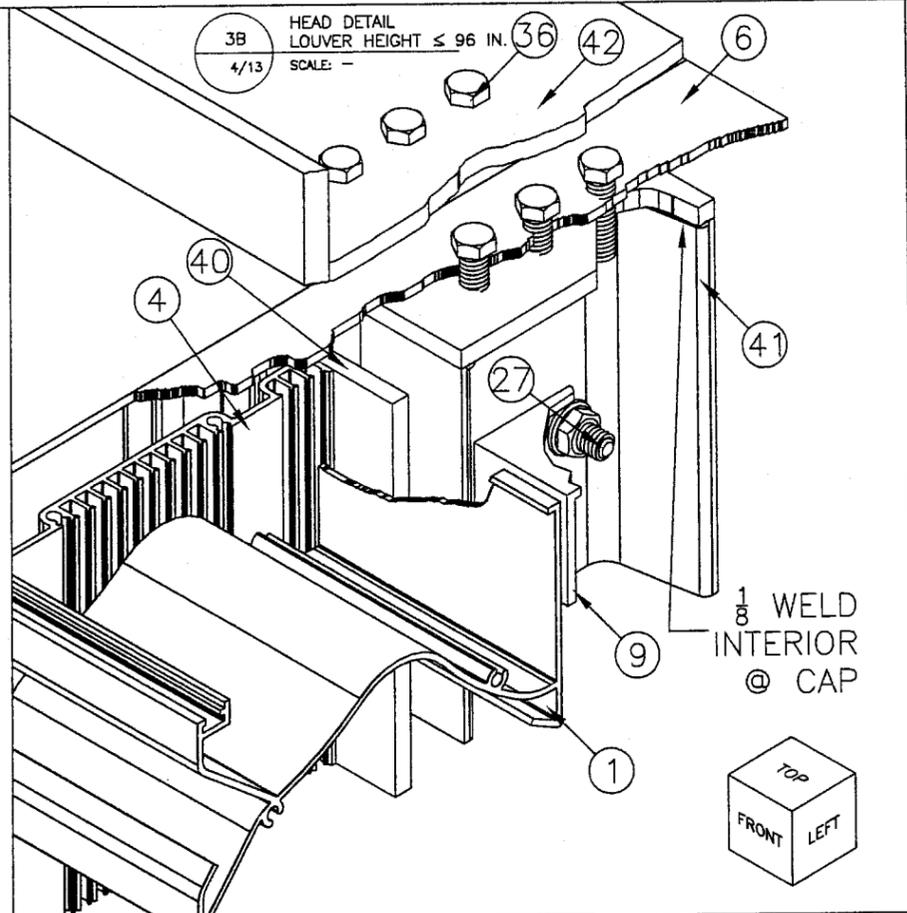
BUILDING STRUCTURE/DEPTH MAY VARY.
BUILDING STRUCTURES INCLUDE BUT NOT
LIMITED TO WOOD FRAME, STEEL STUDS,
STRUCTURAL STEEL AND CONCRETE/MASONRY
(NOT BY GREENHECK)



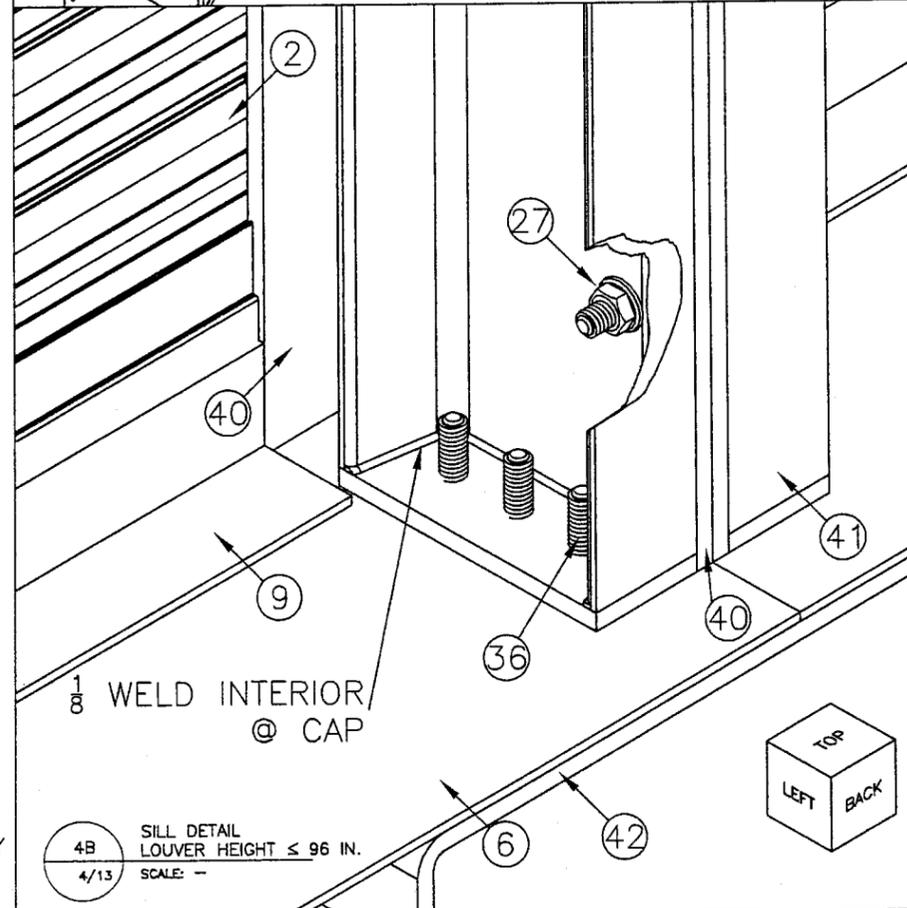
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No *08-0229.06*
Expiration Date *11/1/2012*
By *[Signature]*
Miami-Dade Product Control
Division

BUILDING STRUCTURE/DEPTH MAY VARY.
BUILDING STRUCTURES INCLUDE BUT NOT
LIMITED TO WOOD FRAME, STEEL STUDS,
STRUCTURAL STEEL AND CONCRETE/MASONRY
(NOT BY GREENHECK)

4A SILL DETAIL
LOUVER HEIGHT ≤ 96 IN.
SCALE: -
4/13



3B HEAD DETAIL
LOUVER HEIGHT ≤ 96 IN.
SCALE: -
4/13



4B SILL DETAIL
LOUVER HEIGHT ≤ 96 IN.
SCALE: -
4/13

DRAWN BY BAUMANN
DATE 3/14/2007
SCALE 1/2
SHEET NO. 4 OF 13
CAD DRAWING NO. EHH-601D

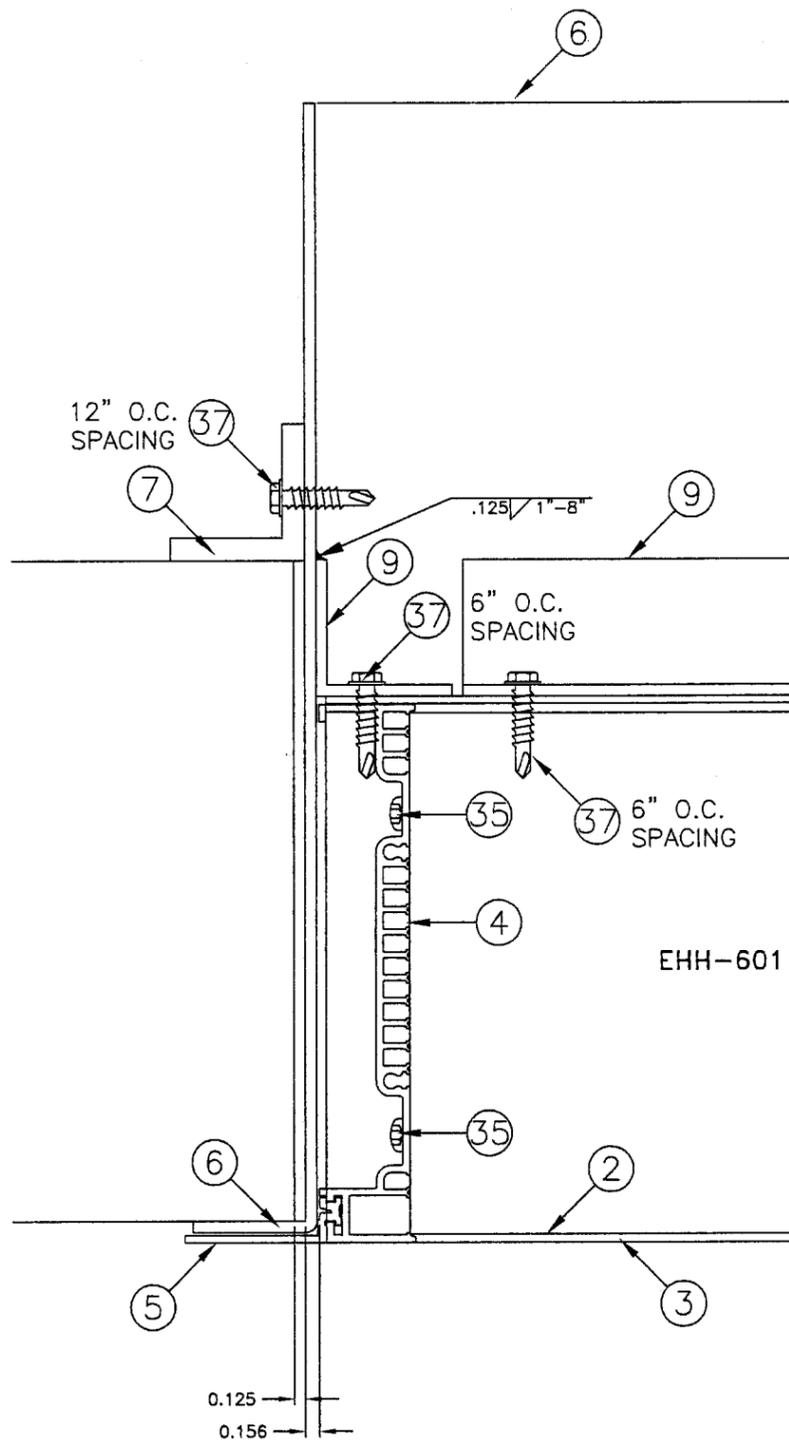
GREENHECK
P.O. BOX 410 SCHOFIELD,
WISCONSIN 54476-0410

EHH-601D LOUVER
FLANGE FRAME
HEAD & SILL DETAILS
C-CHANNEL CONNECTION

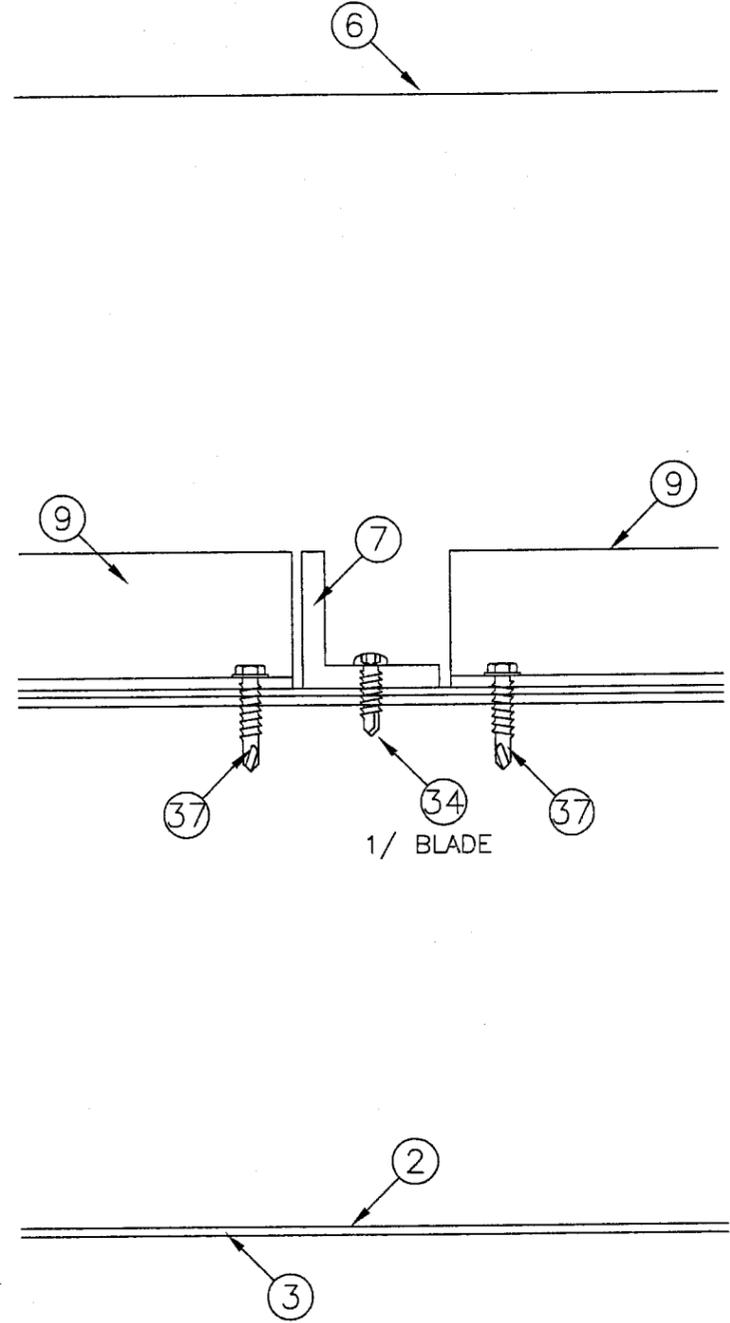
RICE ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone: 920.845.1042
Fax: 920.845.1048
www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

[Signature]
L. DAVID RICE



5 JAMB DETAIL
5/13 SCALE: --

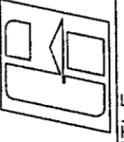


6 SUPPORT DETAIL
5/13 SCALE: --

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-0229.06
Expiration Date 11/1/2012
By *[Signature]*
Miami Dade Product Control
Division

DRAWN BY BAUMANN	DATE 3/14/2007
SCALE 1/2	SHEET NO. 5 OF 13
CAD DRAWING NO. EHH-601D	

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WISCONSIN 54476-0410

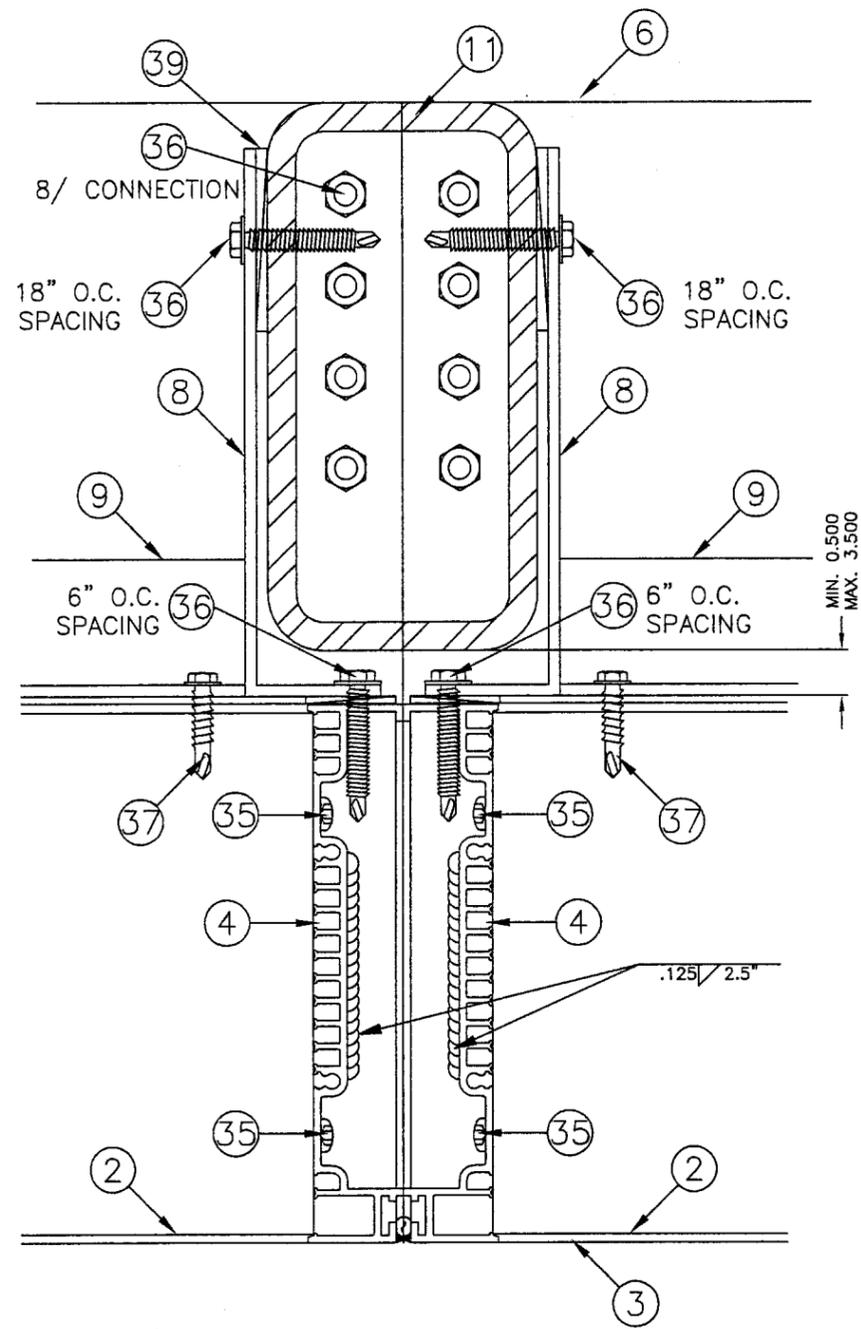


TITLE
EHH-601D LOUVER
FLANGE FRAME
JAMB DETAILS

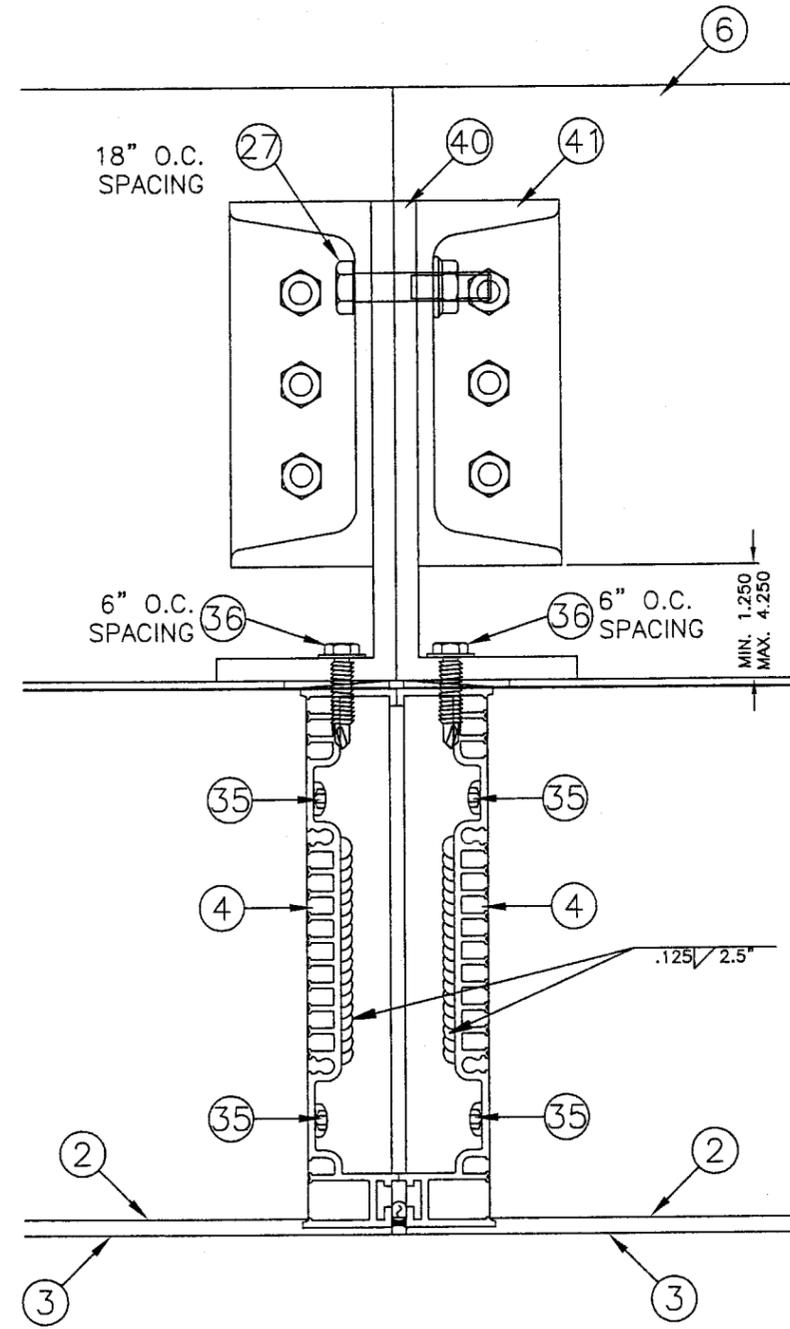
RICE ENGINEERING
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www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

[Signature]
L. DAVID RICE



7A STACK DETAIL
LOUVER HEIGHT ≤ 144 IN.
6/13 SCALE: --



7B STACK DETAIL
LOUVER HEIGHT ≤ 96 IN.
6/13 SCALE: --

PRODUCT REVISED
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Building Code
Acceptance No. 08-0229-06
Expiration Date 11/1/2012
By [Signature]
Miami Trade Product Control
Division

DRAWN BY BAUMANN	DATE 3/14/2007
SCALE 1/2	SHEET NO. 6 OF 13
CAD DRAWING NO. EHH-601D	

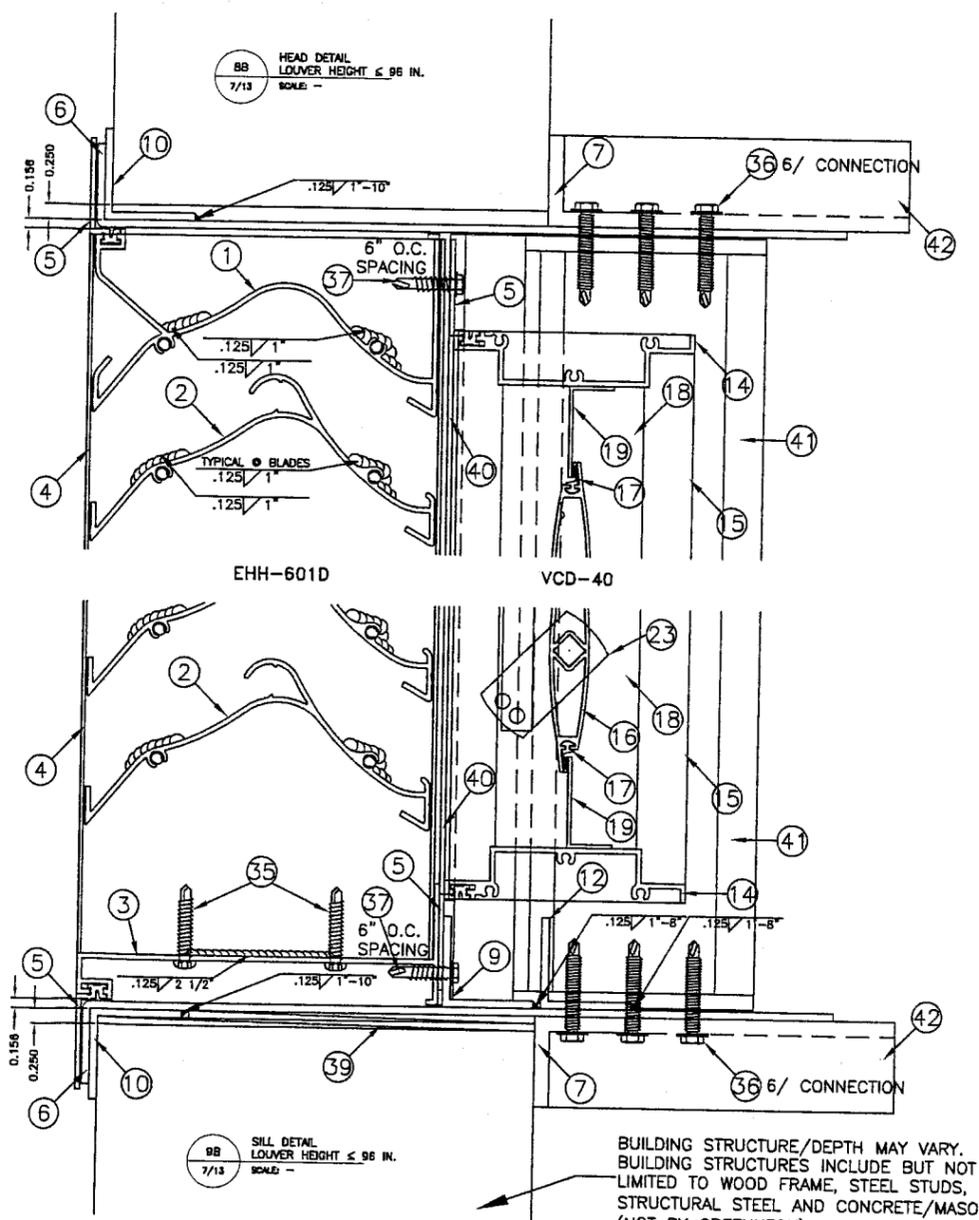
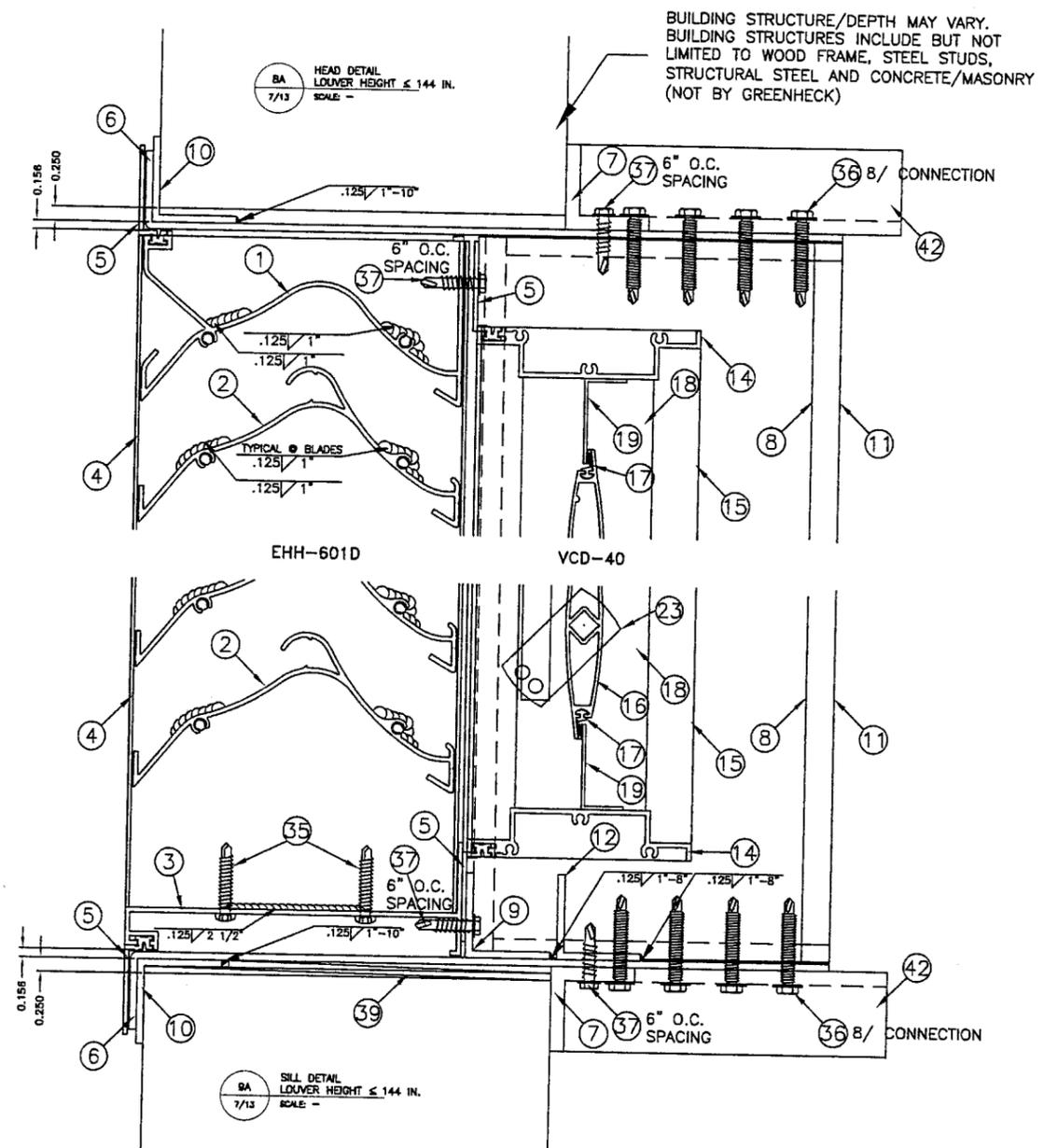
GREENHECK
P.O. BOX 410 SCHOFIELD,
WISCONSIN 54476-0410

**EHH-601D LOUVER
FLANGE FRAME
JAMB DETAILS**

RICE ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone: 920.845.1042
Fax: 920.845.1048
www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

[Signature]
L. DAVID RICE



BUILDING STRUCTURE/DEPTH MAY VARY.
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 LIMITED TO WOOD FRAME, STEEL STUDS,
 STRUCTURAL STEEL AND CONCRETE/MASONRY
 (NOT BY GREENHECK)

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 (NOT BY GREENHECK)

PRODUCT REVISED
 as complying with the Florida
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 Expiration Date 11/1/2012
 By *[Signature]*
 Miami Dade Product Control
 Division

DRAWN BY BAUMANN	DATE 3/14/2007
SCALE 1/3	SHEET NO. 7 OF 13
CAD DRAWING NO. EHH-601D	

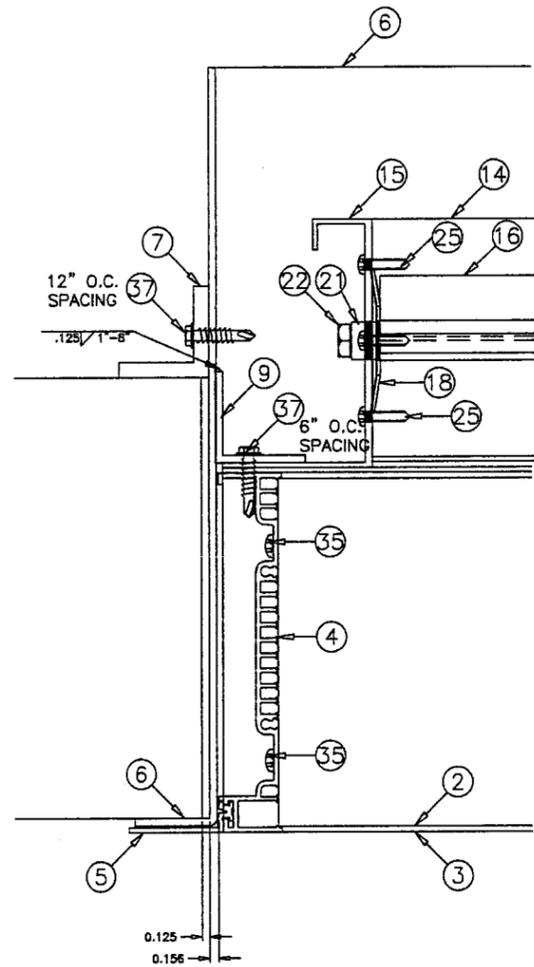
GREENHECK
 P.O. BOX 410 SCHOFIELD,
 WISCONSIN 54476-0410

**EHH-601D LOUVER
 FLANGE FRAME
 W/ VCD-40
 HEAD & SILL DETAIL**

RICE
ENGINEERING
 105 School Creek Trail
 Luxemburg, WI 54217
 Phone: 920.845.1042
 Fax: 920.845.1048
 www.rice-inc.com

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 L. David Rice
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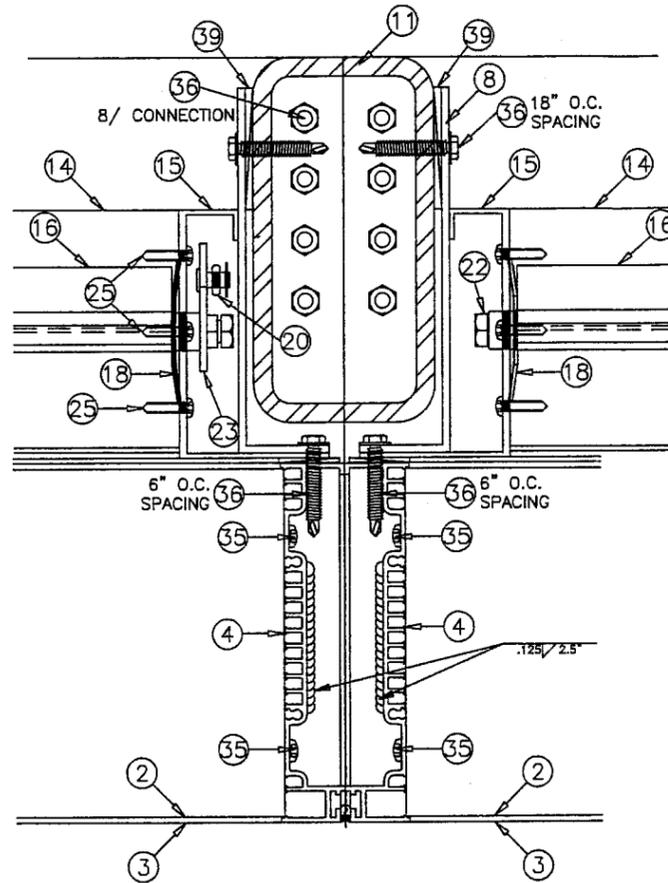
[Signature]
 L. DAVID RICE



10 JAMB DETAIL
8/13
SCALE: -

VCD-40

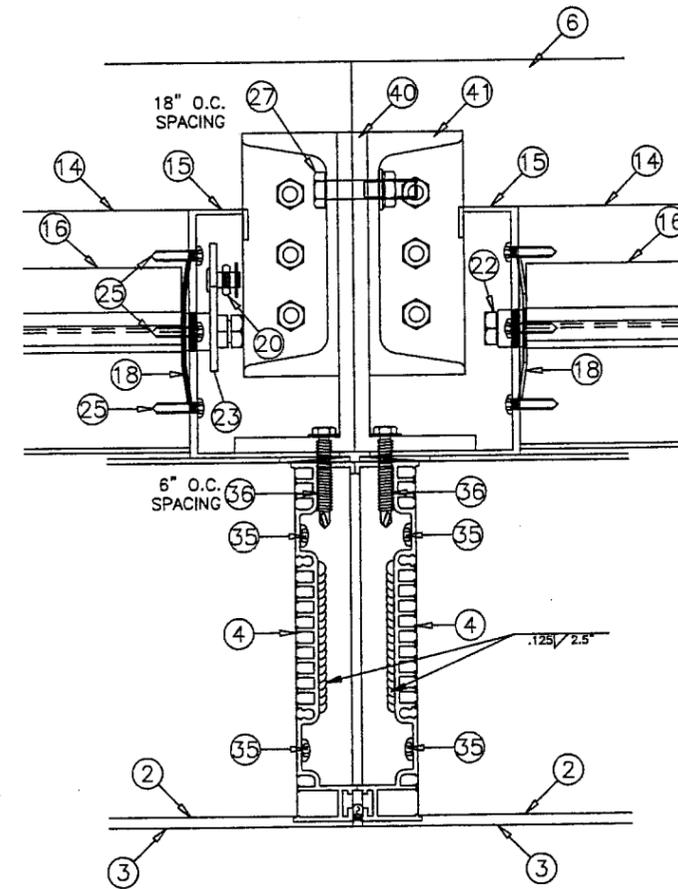
EHH-601D



11A STACK DETAIL
LOUVER HEIGHT ≤ 144 IN.
8/13
SCALE: -

VCD-40

EHH-601D

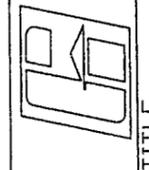


11B STACK DETAIL
LOUVER HEIGHT ≤ 96 IN.
8/13
SCALE: -

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-0229-06
Expiration Date 11/1/2012
By [Signature]
Miami Dade Product Control
Division

DRAWN BY BAUMANN	DATE 3/14/2007
SCALE 1/3	SHEET NO. 8 OF 13
CAD DRAWING NO. EHH-601D	

GREENHECK
P.O. BOX 410 SCHOFIELD,
WISCONSIN 54476-0410



TITLE
EHH-601D LOUVER
FLANGE FRAME
W/ VCD-40
JAMB DETAILS

RICE
ENGINEERING

105 School Creek Trail
Luxemburg, WI 54217
Phone: 920.845.1042
Fax: 920.845.1048
www.rice-inc.com

Florida Firm No: F-0100005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

[Handwritten Signature]

DATE: 8/13

GENERAL NOTES:

1. IT SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE TO SUPPORT THE LOADS IMPOSED BY THE LOUVERS.
2. THE EHH-601D AND EHH-601D/VCD-40 HAVE BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) AND TEST PROTOCOLS TAS-201 (IMPACT), TAS-202 (UNIFORM STATIC PRESSURE), AND TAS-203 (CYCLIC FATIGUE). THE EHH-601D/VCD-40 HAS BEEN TESTED IN ACCORDANCE WITH TAS100(A)-95 WIND DRIVEN RAIN).
3. MAXIMUM SINGLE SECTION SIZE IS 72" WIDE X 144" HIGH.
4. MAXIMUM ASSEMBLED LOUVER SIZE IS UNLIMITED WIDE X 144" HIGH.
5. SECTIONS OR ASSEMBLIES MAY BE STACKED VERTICALLY PROVIDING A SUITABLE STRUCTURAL SUPPORT IS DESIGNED AND INSTALLED BY OTHERS TO SUPPORT ALL LOADS TRANSFERRED FROM THE LOUVER.
6. ALL WOOD SUBSTRATE SHALL BE G = 0.55 DENSITY OR BETTER.
7. ALL METAL STUD SUBSTRATE SHOULD BE MIN. 16 GA. FY = 50 KSI.
8. ALL STRUCTURAL STEEL SUBSTRATE SHALL BE MIN. 1/4" THICK FY = 36 KSI.
9. ALL CONCRETE SUBSTRATE SHALL BE MIN. 3000 PSI.
10. CONCRETE MASONRY SHALL BE ASTM C90, TYPE II, 2000 PSI GROUT-FILLED.
11. THE LOUVER UTILIZES AN ANCHORLESS INSTALLATION METHOD THAT DOES NOT REQUIRE THE USE OF FASTENERS INTO THE SUBSTRATE. IT MAY BE INSTALLED IN ANY SUBSTRATE THAT WILL WITHSTAND THE LOADS TRANSFERRED TO IT BY THE LOUVER. GREENHECK DOES NOT DETERMINE THE STRUCTURAL INTEGRITY OF THE STRUCTURE.
12. LOUVER ASSEMBLY IS QUALIFIED FOR A MAXIMUM DESIGN LOAD OF +/- 150 PSF.
13. LOUVER ASSEMBLY WITHOUT VCD-40 DAMPER SHALL ONLY 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.
14. LOUVER ASSEMBLY WITH THE VCD-40 DAMPER MAY BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM OR THE ROOM WILL HOUSE NON-WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES. LOUVER ASSEMBLY WITH VCD DAMPER INSTALLATION IS LIMITED TO AN ELEVATION OF 33 FT ABOVE GRADE.
15. INSTALLER TO PROVIDE SEPARATION OF DISSIMILAR MATERIALS AS REQUIRED.
16. THE VCD-40 MAY BE OPERATED BY THE MANUAL QUADRANT SHOWN ON 13/13 OR BY AN ELECTRIC OR PNEUMATIC ACTUATOR. THE DAMPER'S ACTUATOR IS NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.
17. FRAME CONSTRUCTION. HEADS AND SILLS ARE SQUARE CUT. JAMBS SQUARE CUT @ HEAD AND SILL. CORNERS ARE SECURED WITH (2) #10x1-1/4 SMS AND SILICONE SEALED. BLADES ARE SECURED TO JAMBS WITH (2) #10x1-1/4 SMS AND WELDED @ EACH END.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 28-0229-06
 Expiration Date 11/1/2012
 By [Signature]
 Miami-Dade Product Control
 Division

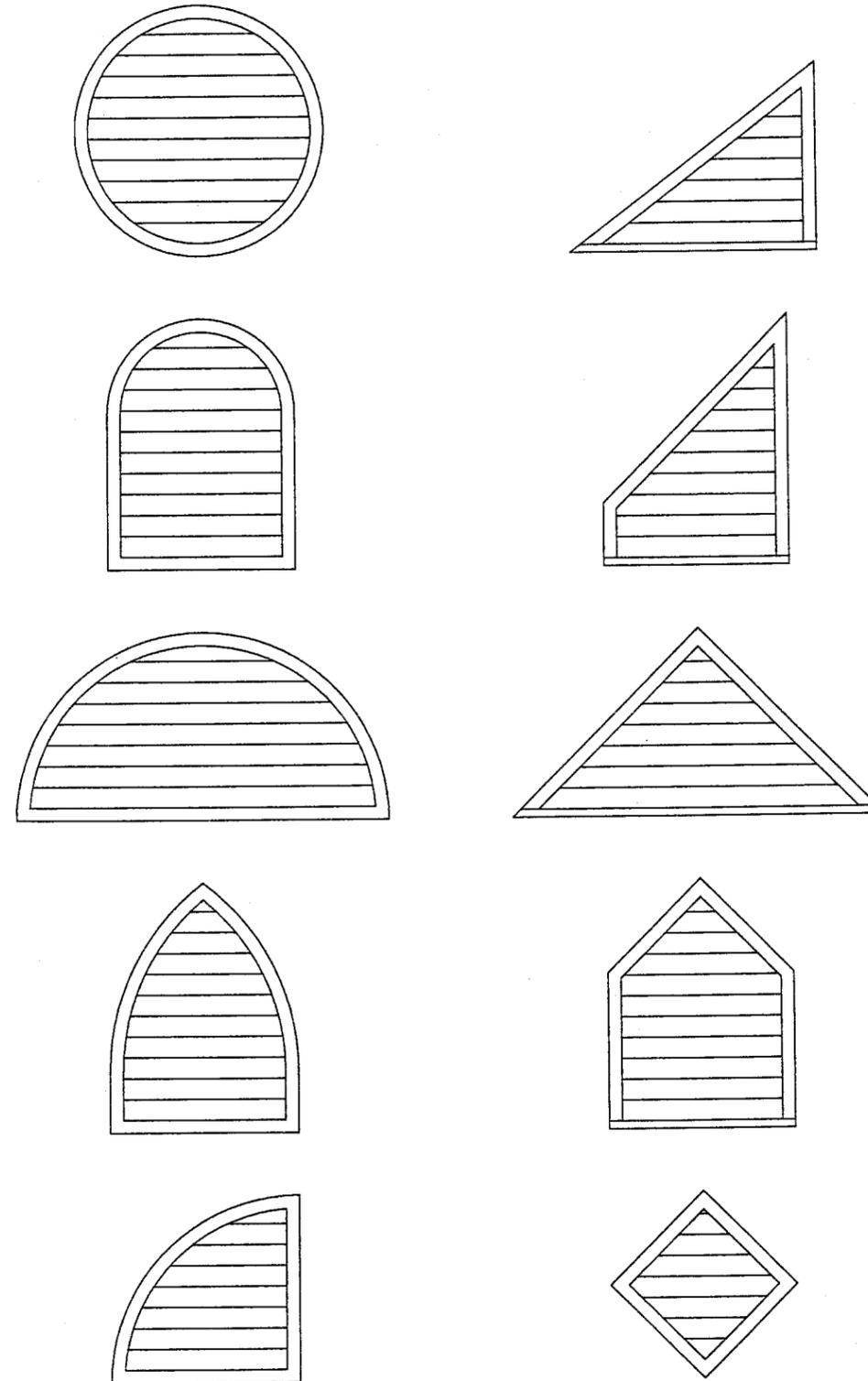
ITEM #	DESCRIPTION	MATERIAL	NOTES
1	LOUVER HEAD	6063-T5 ALUMINUM	
2	LOUVER BLADE	6063-T5 ALUMINUM	2.125" MAX. SPACING
3	LOUVER SILL	6063-T5 ALUMINUM	
4	LOUVER JAMB	6063-T5 ALUMINUM	
5	LOUVER FLANGE	6063-T5 ALUMINUM	
6	FORMED SLEEVE	5052-H32 ALUMINUM	1/8" FORMED SLEEVE-DEPTH VARIES
7A	1 1/2 X 1 1/2 X 1/4 ANGLE	6063-T5 ALUMINUM	BLADE SUPPORT ANGLE
7B	1 1/2 X 1 1/2 X 1/4 ANGLE	6063-T5 ALUMINUM	USED AT HEAD & SILL OF SLEEVE
7C	1 1/2 X 1 1/2 X 1/4 ANGLE	6063-T5 ALUMINUM	USED AT JAMB OF LOUVER/SLEEVE
8	1 1/2 X 6 X 1/8 ANGLE	6063-T5 ALUMINUM	JAMB ANGLE
9A	1 1/2 X 1 1/2 X 1/8 ANGLE	6063-T5 ALUMINUM	USED AT HEAD & SILL OF LOUVER
9B	1 1/2 X 1 1/2 X 1/8 ANGLE	6063-T5 ALUMINUM	USED AT JAMB OF SLEEVE
10	1 1/2 X 1 1/2 X 1/8 ANGLE	6063-T5 ALUMINUM	USED AT HEAD & SILL OF SLEEVE
11	3 X 6 X 5/16 STEEL TUBE	A36	
12	1 1/2 X 1 1/2 X 1/8 ANGLE	6063-T5 ALUMINUM	USED AT SILL AS BACK OF SILL PAN
13	LOUVER BLANK OFF	6063-T5 ALUMINUM	3" LONG
14	DAMPER HEAD/SILL	6063-T5 ALUMINUM	
15	DAMPER JAMB	6063-T5 ALUMINUM	
16	DAMPER BLADE	6063-T5 ALUMINUM	3.75 MAX. SPACING
17	DAMPER BLADE SEAL	SILICONE	
18	DAMPER JAMB SEAL	SS	
19	DAMPER TOP/BOTTOM CLOSURE	ALUMINUM	
20A	DAMPER LINKAGE BAR	GALV. STEEL	
20B	DAMPER LINKAGE BAR	SS	
21A	DAMPER AXLE BUSHING	DELIN	
21B	DAMPER AXLE BUSHING	BRONZE	
21C	DAMPER AXLE BUSHING	SS	
22A	NON-DRIVE DAMPER AXLE ASST.	ZC STEEL PIN W/DELIN BUSHING	
22B	NON-DRIVE DAMPER AXLE ASST.	ZC STEEL PIN W/BRONZE BUSHING	
22C	NON-DRIVE DAMPER AXLE ASST.	ZC STEEL PIN W/ SS BUSHING	
22D	NON-DRIVE DAMPER AXLE ASST.	SS PIN W/ DELIN BUSHING	
22E	NON-DRIVE DAMPER AXLE ASST.	SS PIN W/ BRONZE BUSHING	
22F	NON-DRIVE DAMPER AXLE ASST.	SS PIN W/ SS BUSHING	
23A	DRIVE SIDE DAMPER AXLE ASST.	ZC/GALV. STEEL	
23B	DRIVE SIDE DAMPER AXLE ASST.	SS	
24A	1/4 DIA. E-CLIP	ZP	
24B	1/4 DIA. E-CLIP	SS	
25	#8 X .75 TPH TYPE AB SMS	SS	
26	#14 X .75 TEK	ZP	
27A	1/4-20 X 1.25 HH CS	ZP	
27B	1/4-20 X 1.5 HH CS	SS	
28A	1/4-20 SF NUT	ZP	
28B	1/4-20 SF NUT	SS	
29	REINFORCING STRAP	18-8 SS	
30	1/4-20 X .562 BALL SWIVEL	ZP	
31A	DAMPER BLADE DRIVE LEVER	SS	
31B	DAMPER BLADE DRIVE LEVER	GALV. STEEL	
32	DAMPER MANUAL QUAD ASSY.		
33	5/16 DIA. LINKAGE ROD	ZP	
34	#10 X 3/4" TPH SMS 18-8 SS	18-8 SS	
35	#10 X 1 1/4" SMS 316 SS	316 SS	
36	1/4" DIA. SS SCREW		1 1/2" LONG
37	1/4" DIA. SS SCREW		1" LONG
38	1/8" DIA. BLIND RIVET	ALUMINUM	
39	DEAD LOAD SHIMS		NOT BY GREENHECK
40	5 1/4 X 2 X 1/4 ANGLE	6063-T5 ALUMINUM	USED AT JAMB OF LOUVER/SLEEVE
41	4" CHANNEL	6061-T6 ALUMINUM	USED AT JAMB OF LOUVER/SLEEVE
42	MULLION SLEEVE BRACKET	5052-H32 ALUMINUM	
43			

SYMBOL	DATE	BY	DCR	REVISION	
(1)	01/17/2008	NAH			
ADDED WIND DRIVEN RAIN APPROVAL				DRAWN BY	DATE
				BAUMANN	3/14/2007
				SCALE	1/2" = 1'-0"
				SHEET NO.	9 OF 13
				CAD DRAWING NO.	EHH-601D
P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410 EHH-601D LOUVER FLANGED FRAME W/ VCD-40 NOTES/BILL OF MATERIAL					
RICE ENGINEERING 105 School Creek Trail Luxemburg, WI 54217 Phone: 920.845.1042 Fax: 920.845.1048 www.rice-inc.com Florida Firm No: F-01000005061 Certificate of Authorization: #9090 L. David Rice Registration No: 50923					

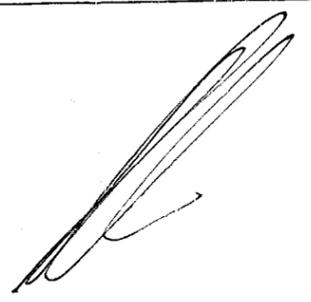
NOTES:

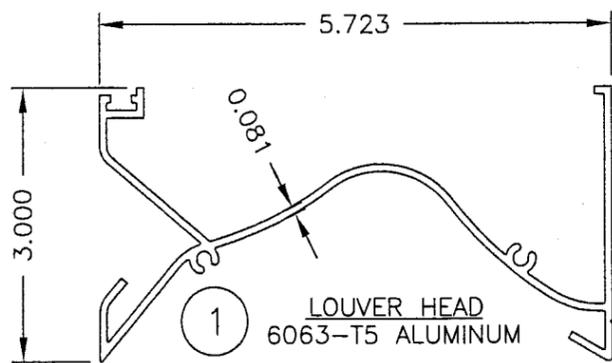
1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN AND HAVE CORNER CONSTRUCTION AS DESCRIBED ON ALL SHEETS.
2. ALL SHAPED LOUVER PANELS ARE RESTRICTED TO THE SAME PANEL WIDTH AND PRESSURE AS THE RECTANGULAR LOUVER PANELS AND MAY BE STACKED VERTICALLY AND HORIZONTALLY THE SAME AS THE RECTANGULAR PANELS.
3. WHEN SECTIONS EXCEED 36" IN LENGTH BLADE SUPPORT ANGLE AND BRACKETS ARE REQUIRED.

AVAILABLE SHAPES

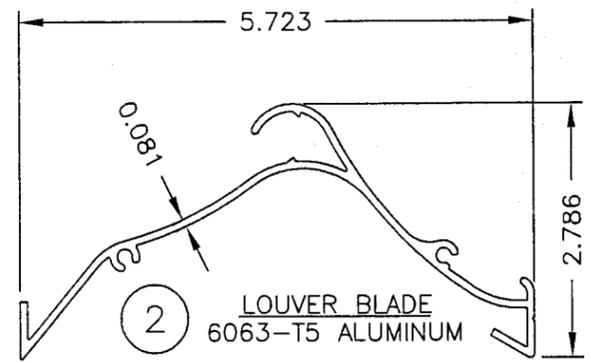


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 Building Code
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 Expiration Date 4/1/2012
 By *[Signature]*
 Miami Dade Product Control
 Division

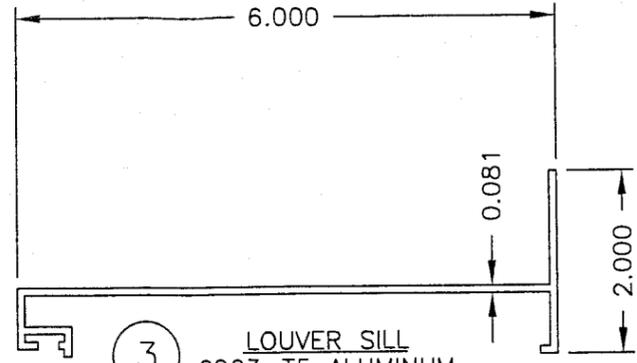
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	SCALE 1/2" = 1' - 0"
SHEET NO. 10 OF 13	
CAD DRAWING NO. EGH-601D	
 P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410	
TITLE EGH-601D LOUVER FLANGED FRAME W/ VCD-40 AVAILABLE SHAPES	
RICE ENGINEERING 105 School Creek Trail Luxemburg, WI 54217 Phone: 920.845.1042 Fax: 920.845.1048 www.rice-inc.com	
Florida Firm No: F-01000005061 Certificate of Authorization: #9090 L. David Rice Registration No: 50923	
 L. DAVID RICE	



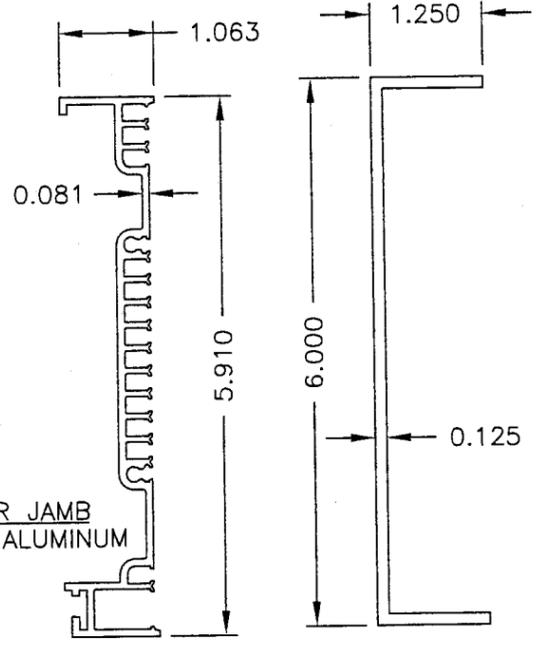
1 LOUVER HEAD
6063-T5 ALUMINUM



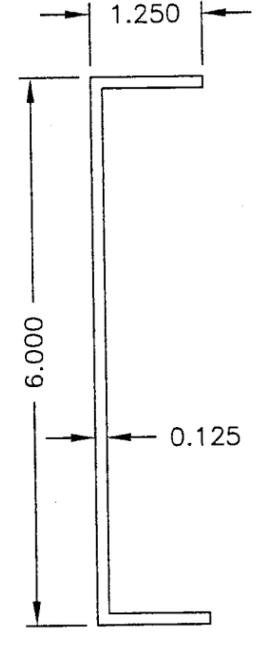
2 LOUVER BLADE
6063-T5 ALUMINUM



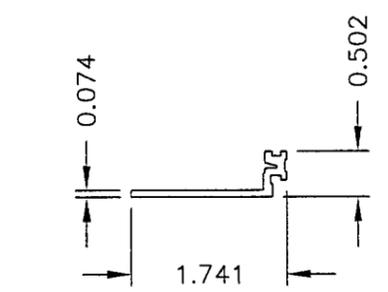
3 LOUVER SILL
6063-T5 ALUMINUM



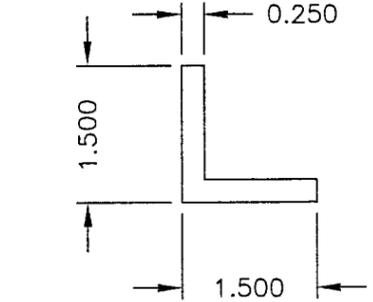
4A LOUVER JAMB
6063-T5 ALUMINUM



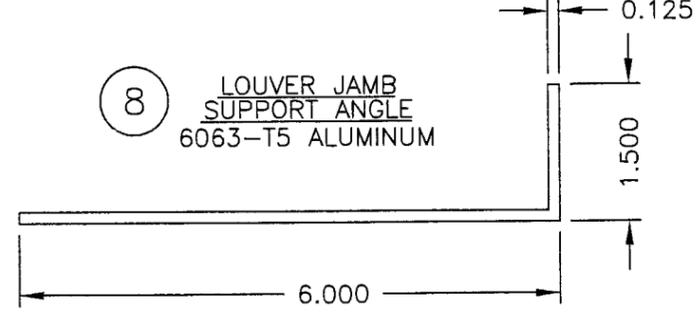
4B OPTIONAL JAMB
6063-T5 ALUMINUM



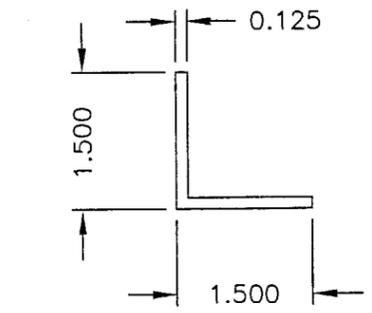
5 LOUVER/DAMPER FLANGE
6063-T5 ALUMINUM



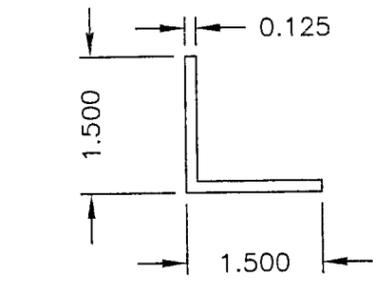
7 LOUVER BLADE
SUPPORT ANGLE
6063-T5 ALUMINUM



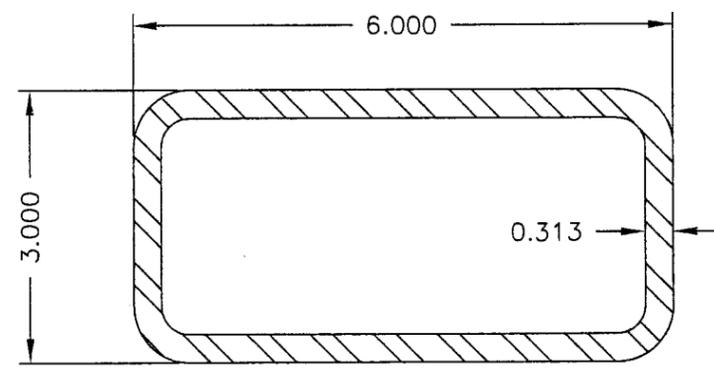
8 LOUVER JAMB
SUPPORT ANGLE
6063-T5 ALUMINUM



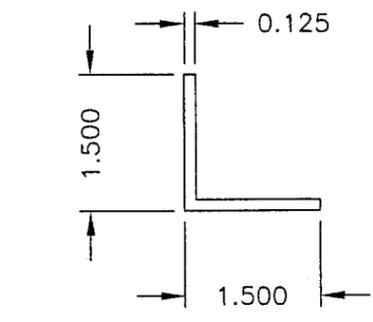
9 LOUVER SLEEVE
ATTACHMENT ANGLE
6063-T5 ALUMINUM



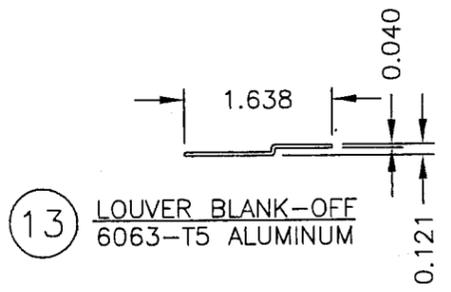
10 LOUVER SLEEVE
SUPPORT ANGLE
6063-T5 ALUMINUM



11 STEEL TUBE
A36



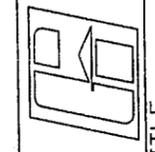
12 LOUVER SILL
PAN ANGLE
6063-T5 ALUMINUM



13 LOUVER BLANK-OFF
6063-T5 ALUMINUM

DRAWN BY BAUMANN	DATE 3/14/2007
SCALE 1/2" = 1'-0"	SHEET NO. 11 OF 13
CAD DRAWING NO. EHH-601D	

GREENHECK
P.O. BOX 410 SCHOFIELD,
WISCONSIN 54476-0410



EHH-601D LOUVER
FLANGED FRAME
W/ VCD-40
PART PROFILES

RICE
ENGINEERING

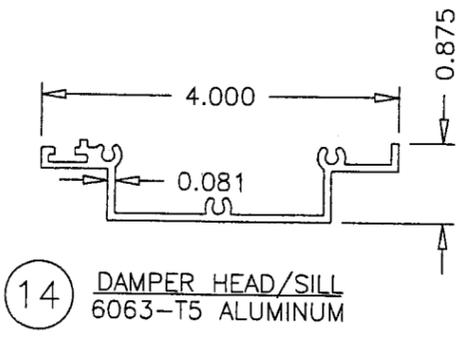
105 School Creek Trail
Luxemburg, WI 54217
Phone: 920.845.1042
Fax: 920.845.1048
www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

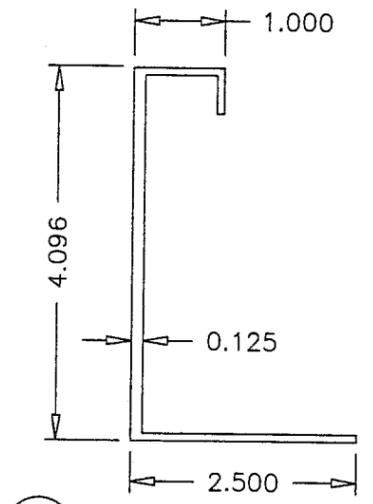
[Signature]

L. DAVID RICE

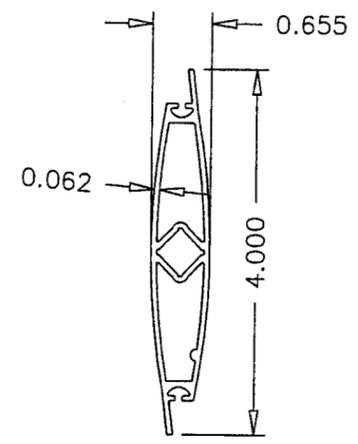
PRODUCT REVISED
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Building Code
Acceptance No. 08-0229-06
Expiration Date 11/1/2012
By *[Signature]*
Miami Dade Product Control
Division



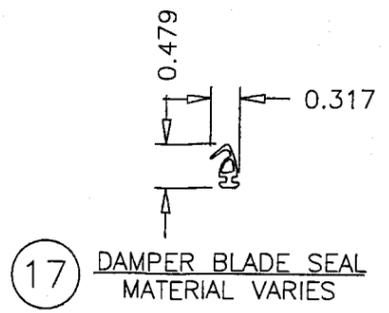
14 DAMPER HEAD/SILL
6063-T5 ALUMINUM



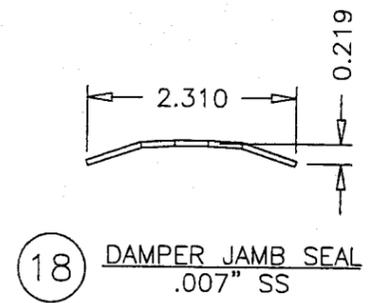
15 DAMPER JAMB
6063-T5 ALUMINUM



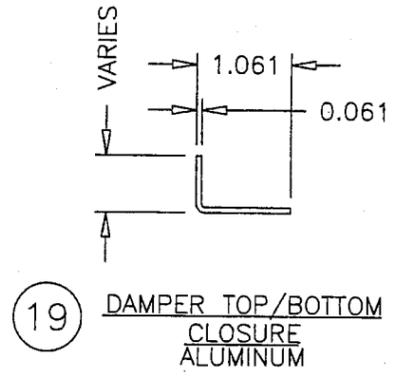
16 DAMPER BLADE
6063-T5 ALUMINUM



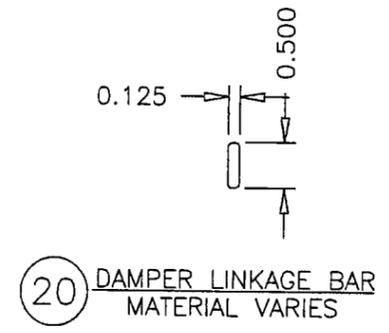
17 DAMPER BLADE SEAL
MATERIAL VARIES



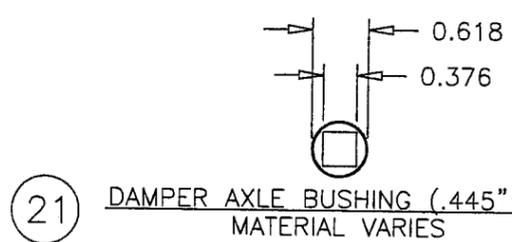
18 DAMPER JAMB SEAL
.007" SS



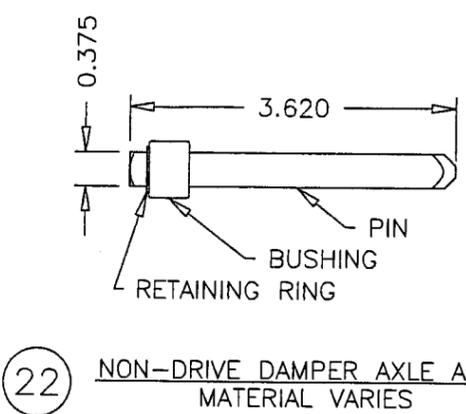
19 DAMPER TOP/BOTTOM
CLOSURE
ALUMINUM



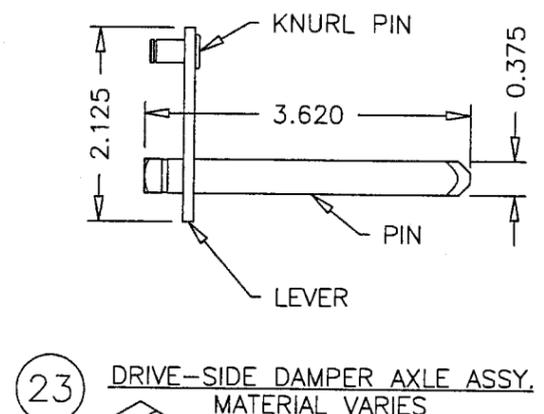
20 DAMPER LINKAGE BAR
MATERIAL VARIES



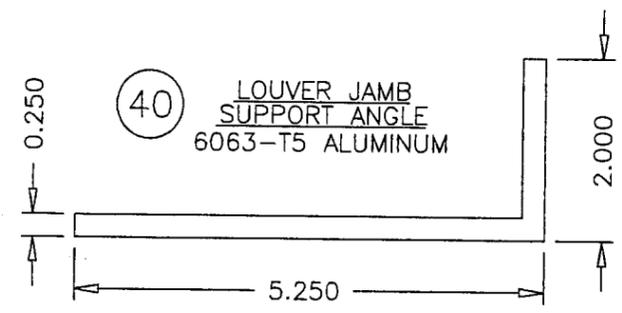
21 DAMPER AXLE BUSHING (.445" LG.)
MATERIAL VARIES



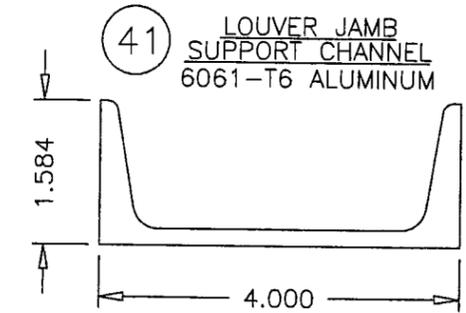
22 NON-DRIVE DAMPER AXLE ASSY.
MATERIAL VARIES



23 DRIVE-SIDE DAMPER AXLE ASSY.
MATERIAL VARIES

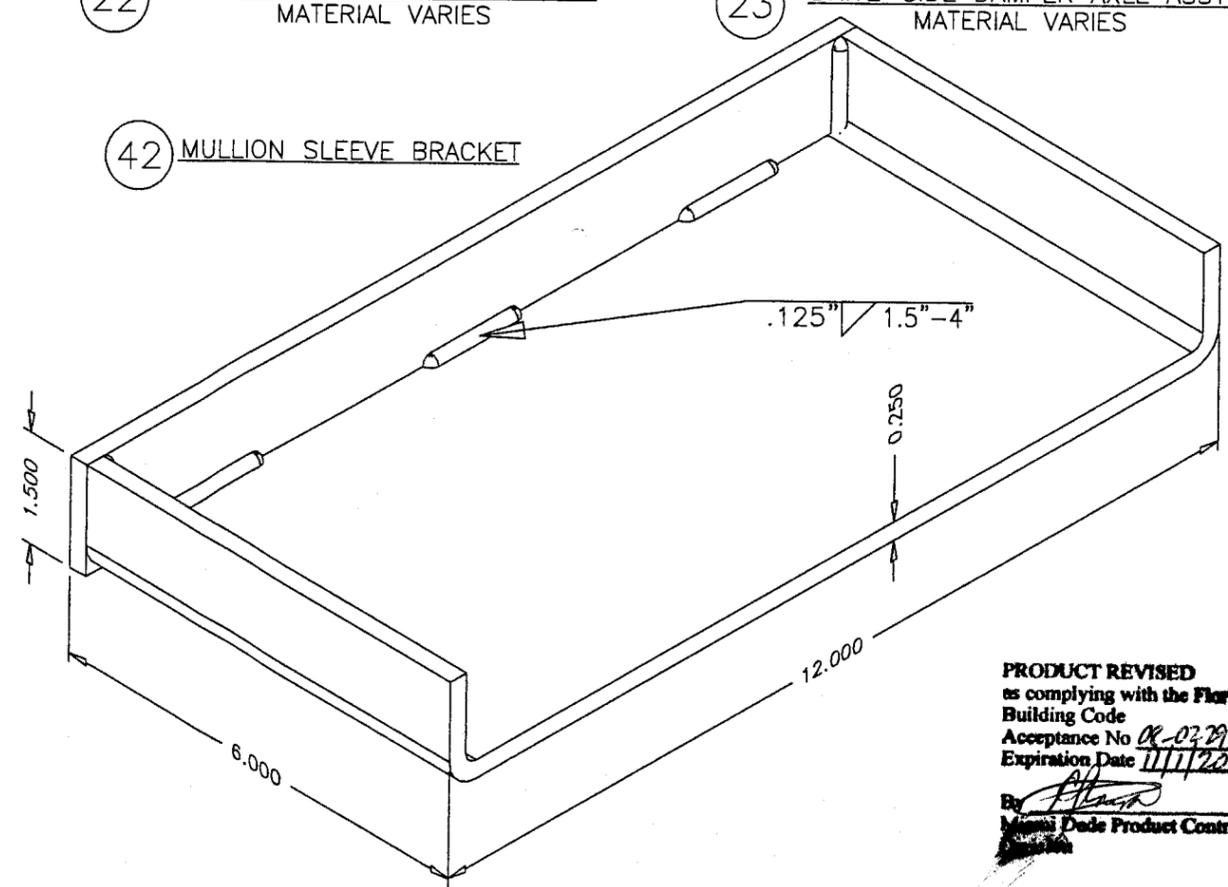


40 LOUVER JAMB
SUPPORT ANGLE
6063-T5 ALUMINUM



41 LOUVER JAMB
SUPPORT CHANNEL
6061-T6 ALUMINUM

42 MULLION SLEEVE BRACKET



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DRAWN BY BAUMANN	DATE 3/14/2007
SCALE 1/2"=1'-0"	SHEET NO. 12 OF 13
CAD DRAWING NO. EHH-601D	

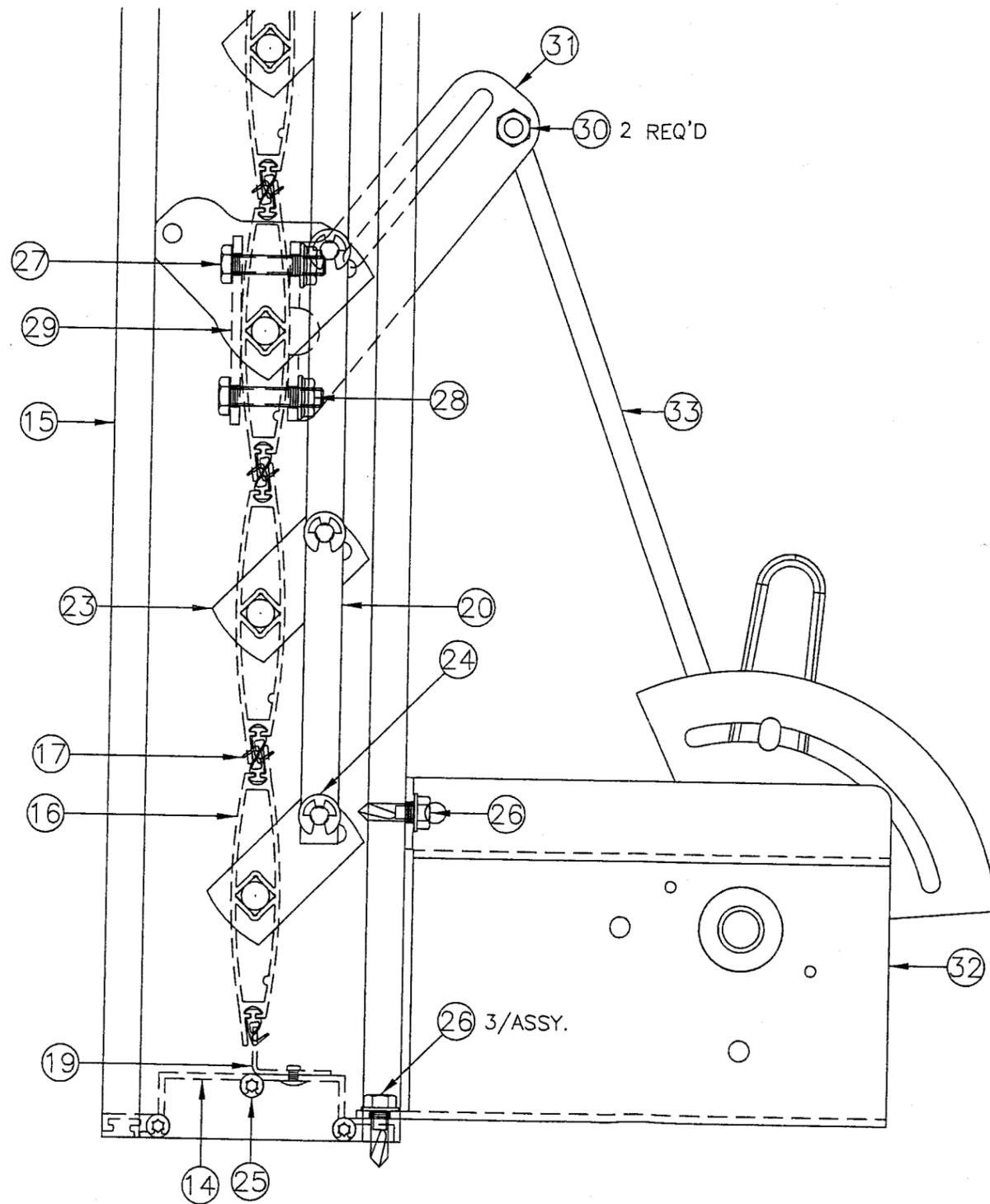
GREENHECK
P.O. BOX 410 SCHOFIELD,
WISCONSIN 54476-0410

**EHH-601D LOUVER
FLANGED FRAME
W/ VCD-40
PART PROFILES**

RICE
ENGINEERING
105 School Creek Trail
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Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

[Signature]
DAVID RICE



MANUAL QUADRANT ACTUATOR AS SHOWN
 NOTE: DAMPER MAY BE OPERATED BY
 MANUAL QUADRANT, AN ELECTRIC OR
 PNEUMATIC ACTUATOR.

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DRAWN BY	BAUMANN	DATE	3/14/2007
SCALE	1/2" = 1'-0"		
SHEET NO.	13 OF 13		
CAD DRAWING NO.	EHH-601D		

GREENHECK
 P.O. BOX 410 SCHOFIELD,
 WISCONSIN 54476-0410

**EHH-601D LOUVER
 FLANGED FRAME
 W/ VCD-40**

TITLE
 MANUAL QUAD ACTUATOR

RICE
ENGINEERING
 105 School Creek Trail
 Luxemburg, WI 54217
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[Signature]
 L. DAVID RICE