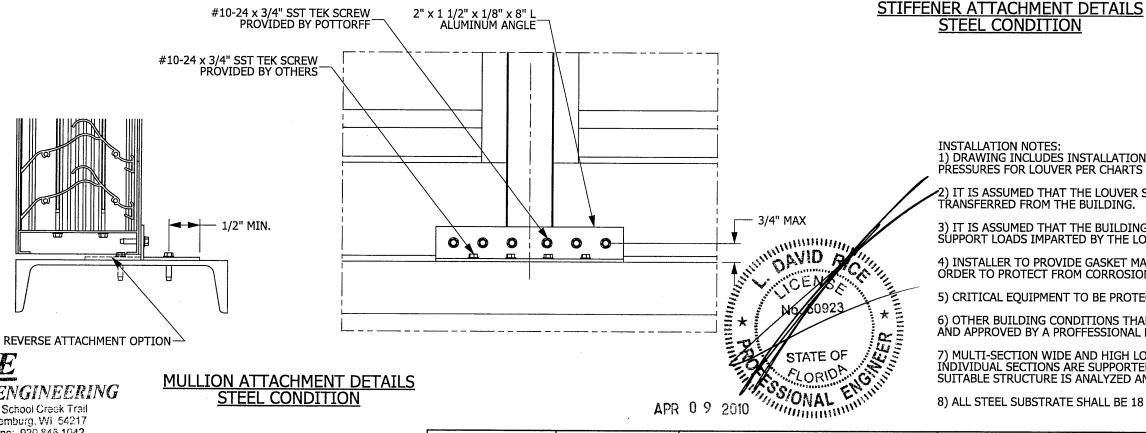


### JAMB ATTACHMENT DETAILS STEEL CONDITION



STEEL CONDITION

**INSTALLATION NOTES:** 1) DRAWING INCLUDES INSTALLATION DETAILS TO ATTAIN MAXIMUM DESIGN PRESSURES FOR LOUVER PER CHARTS ON DRAWING 6

-2) IT IS ASSUMED THAT THE LOUVER SYSTEMS DO NOT SUPPORT ANY LOADS TRANSFERRED FROM THE BUILDING.

3) IT IS ASSUMED THAT THE BUILDING CONDITIONS ARE ADEQUATELY DESIGNED TO SUPPORT LOADS IMPARTED BY THE LOUVER SYSTEM.

4) INSTALLER TO PROVIDE GASKET MATERIAL BETWEEN DISSIMILAR MATERIALS IN ORDER TO PROTECT FROM CORROSION.

5) CRITICAL EQUIPMENT TO BE PROTECTED FROM MOISTURE INGRESS.

6) OTHER BUILDING CONDITIONS THAN THOSE DENOTED CAN BE UTILIZED IF ANALYZED AND APPROVED BY A PROFFESSIONAL ENGINEER.

7) MULTI-SECTION WIDE AND HIGH LOUVER SYSTEMS ARE ALLOWABLE PROVIDED THE INDIVIDUAL SECTIONS ARE SUPPORTED PER THE DETAIL ON THIS DRAWING AND A SUITABLE STRUCTURE IS ANALYZED AND APPROVED BY A PROFESSIONAL ENGINEER.

8) ALL STEEL SUBSTRATE SHALL BE 18 GA STUD EQUIVALENT OR STRONGER.

## 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 UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED: ±0.030 X.XX ±0.015 X.XXX ±0.010 ANG! F ±1° FRACTION ±1/16

MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS



THIRD ANGLE PROJECTION



ARCHITECTURAL PRODUCTS THIS DRAWING AND THE DESIGN REPRESENTED ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF THE CONTIDENT THE AND MAY NOT BE DISCLOSED, LOANED, COPIED, OR USED FOR ANY PURPOSE OTHER THAN DESIGN REVIEW AND APPROVAL WITHOUT THE EXPRESS WRITTEN CONSENT OF PCI INDUSTRIES.

### DRAWING DESCR: STEEL ATTACHMENT DETAILS

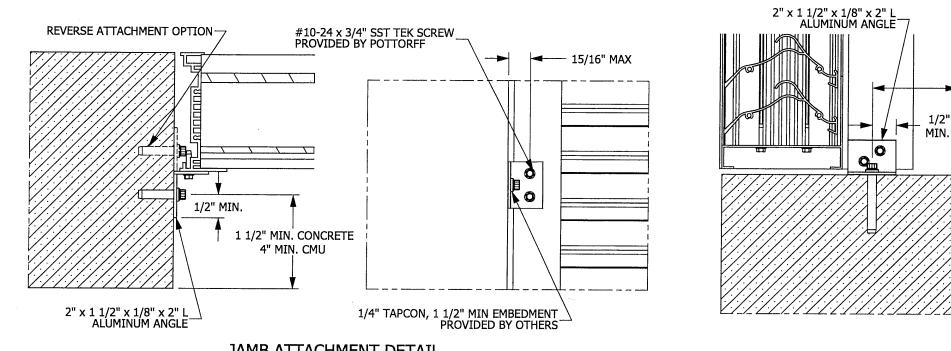
PROJECT: FLORIDA BUILDING CODE LOUVERS

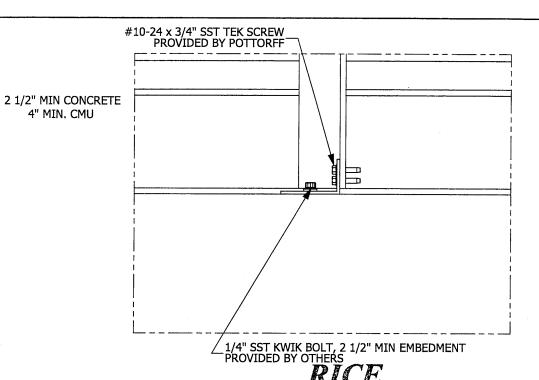
### LOCATION:

CUSTOMER:

PROJ. MGR:		DRAWN BY: TB
DATE: 11/24/2009	CHK'D BY:	ORDER NUMBER

P.O. NUMBER | DRAWING NUMBER SHEET: 2 of 6 SCALE: NTS STEEL CONDITION





JAMB ATTACHMENT DETAIL MASONRY CONDITION (SHEAR CONNECTION)

STIFFENER ATTACHMENT DETAIL MASONRY CONDITION (SHEAR CONNECTION)

### **ENGINEERING**

(SHEAR)

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

1) DRAWING INCLUDES INSTALLATION DETAILS TO ATTAIN MAXIMUM DESIGN PRESSURES FOR LOUVER PER CHARTS ON DRAWING 6

- 2) IT IS ASSUMED THAT THE LOUVER SYSTEMS DO NOT SUPPORT ANY LOADS TRANSFERRED FROM THE BUILDING.
- 3) IT IS ASSUMED THAT THE BUILDING CONDITIONS ARE ADEQUATELY DESIGNED TO SUPPORT LOADS IMPARTED BY THE LOUVER SYSTEM.
- 4) INSTALLER TO PROVIDE GASKET MATERIAL BETWEEN DISSIMILAR MATERIALS IN ORDER TO PROTECT FROM CORROSION.
- 5) CRITICAL EQUIPMENT TO BE PROTECTED FROM MOISTURE INGRESS.
- 6) OTHER BUILDING CONDITIONS THAN THOSE DENOTED CAN BE UTILIZED IF ANALYZED AND APPROVED BY A PROFFESSIONAL ENGINEER.
- 7) MULTI-SECTION WIDE AND HIGH LOUVER SYSTEMS ARE ALLOWABLE PROVIDED THE INDIVIDUAL SECTIONS ARE SUPPORTED PER THE DETAIL ON THIS DRAWING AND A SUITABLE STRUCTURE IS ANALYZED AND APPROVED BY A PROFESSIONAL ENGINEER.
- 8) ALL CONCRETE SUBSTRATE SHALL BE BE 2000 PSI OR STRONGER,
- 9) ALL CMU SUBSTRATE SHALL BE ASTM C90 TYPE 2 FILLED WITH f'm=1500 PSI GROUT

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE UNLESS NOTED: ±0.030 X.XX ±0.015 X.XXX ±0.010 ANGLE. ±1° FRACTION ±1/16

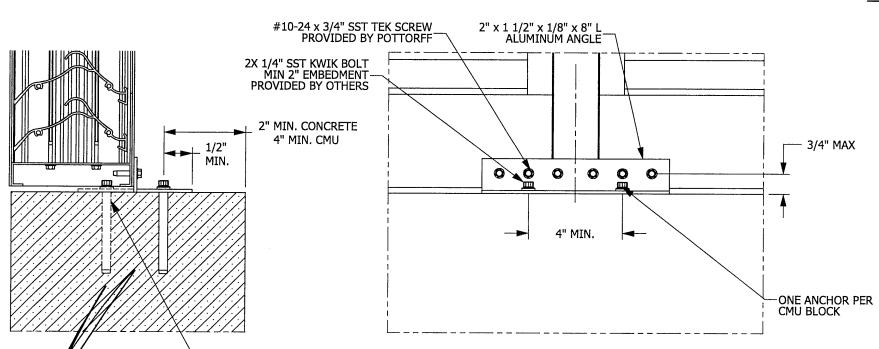
MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS 5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110

THIRD ANGLE PROJECTIO

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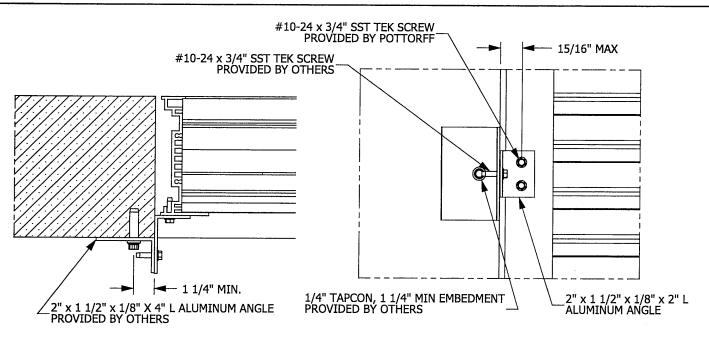
DRAWING DESCR: MASONRY ATTACHMENT DETAILS PROJECT: FLORIDA BUILDING CODE LOUVERS LOCATION: CUSTOMER: PROJ. MGR: DRAWN BY: TB ORDER NUMBER | P.O. NUMBER DRAWING NUMBER DATE: 11/24/2009 | CHK'D BY: MASONRY COND. SCALE: NTS SHEET: 3 of 6

TACHMENT OPTION TATE OF NONAL ENGLIS

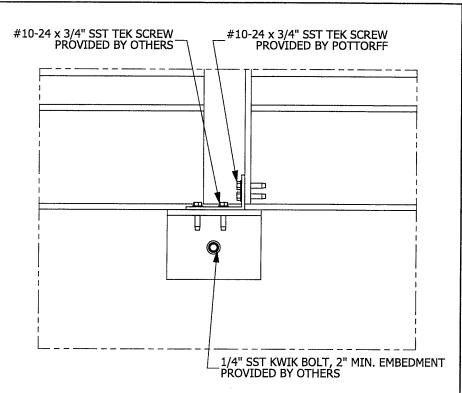


MULLION ATTACHMENT DETAIL MASONRY CONDITION (SHEAR CONNECTION)

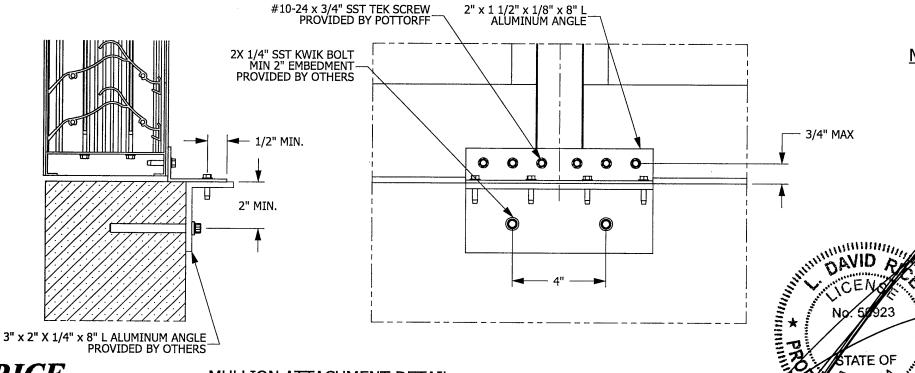
APR 0 9 2010



# 2" x 1 1/2" x 1/8" x 2" L ALUMINUM ANGLE 1/2" MIN. 0 2" MIN. 3" x 2" X 1/4" x 4" L ALUMINUM ANGLE PROVIDED BY OTHERS



### JAMB ATTACHMENT DETAIL MASONRY CONDITION (TENSION CONNECTION)



### STIFFENER ATTACHMENT DETAIL MASONRY CONDITION (TENSION CONNECTION)

**INSTALLATION NOTES:** 1) DRAWING INCLUDES INSTALLATION DETAILS TO ATTAIN MAXIMUM DESIGN PRESSURES FOR LOUVER PER CHARTS ON DRAWING 6

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8) ALL CONCRETE SUBSTRATE SHALL BE BE 2000 PSI OR STRONGER.

### RICE MULLION ATTACHMENT DETAIL ENGINEERING MASONRY CONDITION (TENSION CONNECTION)

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

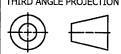
Florida Firm No: F-01000005061 Certificate of Authorization: #9090 UNLESS OTHERWISE SPECIFIED

TOLERANCE UNLESS NOTED: ±0,030 X.XX ±0.015 X.XXX ±0.010 ANGLE +10 FRACTION ±1/16

DIMENSION ARE IN INCHES.

MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS 5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300

THIRD ANGLE PROJECTION



# ARCHITECTURAL PRODUCTS

APR 0 9 2010

A ORIDA

S/ONAL

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DRAWING DESCR: MASONRY ATTACHMENT DETAILS

PROJECT: FLORIDA BUILDING CODE LOUVERS

LOCATION:

CUSTOMER:

PROJ. MGR: DRAWN BY: TB

ORDER NUMBER | P.O. NUMBER | DRAWING NUMBER DATE: 11/24/2009 | CHK'D BY: MASONRY COND. SHEET: 4 of 6 SCALE: NTS (TENSION)

Fax: 920.845.1048

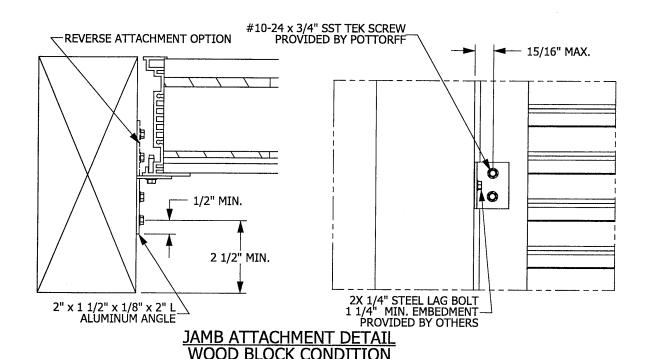
L. David Rice Registration No: 50923



VERSE AT.

REVERSE ATTACHMENT OPTION

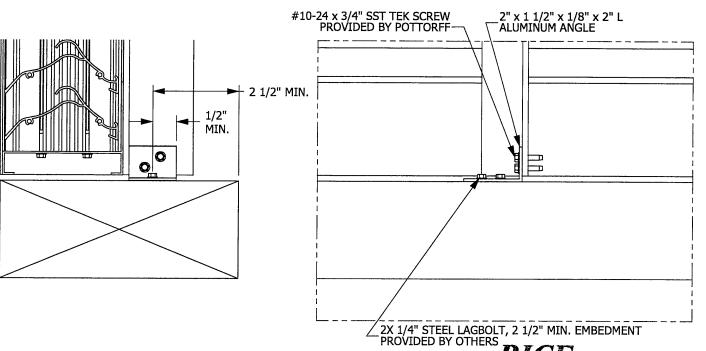
\Cadsvr\trans\Tom\LOUVERS\Florida Building Code Louvers\



2 1/2" MIN.

MIN.

APR 0 9 2010



\_2" x 1 1/2" x 1/8" x 2" L ALUMINUM ANGLE #10-24 x 3/4" SST TEK SCREW PROVIDED BY POTTORFF STIFFENER ATTACHMENT DETAIL WOOD BLOCK CONDITION

# **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

INSTALLATION NOTES:
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8) ALL WOOD SUBSTRATE SHALL BE G=0.42 DENSITY OR BETTER.



DIMENSION ARE IN INCHES.

0

0

- 3" MIN. ----

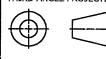
0

0

TOLERANCE UNLESS NOTED: X.X X.XX ±0.030  $\pm 0.015$ X.XXX ±0.010 ±1° ANGLE FRACTION ±1/16

MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS 5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110

THIRD ANGLE PROJECTION

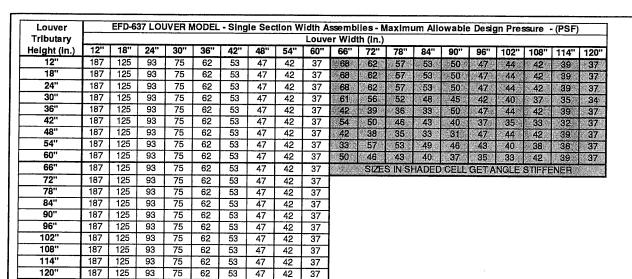


## ARCHITECTURAL PRODUCT

3/4" MAX

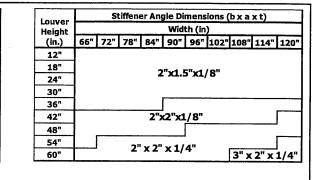
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7	DRAWING DESCR: WOOD ATTACHMENT DETAILS												
٩,	PROJECT: FLORIDA BUILDING CODE LOUVERS												
_	LOCATION:												
ΓS	CUSTOMER:												
	PROJ. MGR:		DRAWN BY: TB										
GN N	DATE: 11/24/2009	CHK'D BY:	ORDER NUMBER	P.O. NUMBER	DRAWING NUMBER								
IV	SHEET: 5 of 6	SCALE: NTS			WOOD CONDITION								



D **→** 

Louver	EFD - 637 LOUVER MODEL - Multiple Section Width Assemblies - Maximum Allowable Design Pressure - (PSF)																		
Tributary	Louver Width (in.)																		
Height (In.)	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"	108"	114"	120"
12"	187	125	93	75	62	53	47	42	37	68	62	57	53	50	47	44	42	39	37
18"	187	125	93	75	62	53	47	42	37	68	62	57	53	50	47	44	42	39	37
24"	187	125	93	75	62	53	47	42	37	68	62	57	53	50	47	44	42	39	37
30"	187	125	93	75	62	53	47	42	37	61	56	52	48	45	42	40	37	35	34
36"	187	125	93	75	62	53	47	42	37	42	39	36	33	50	47	44	42	39	37
42"	187	125	93	75	62	53	47	42	37	54	50	46	43	40	37	35	33	32	37
48"	187	125	93	75	62	53	47	42	37	42	38	35	33	31	47	44	42	39	37
54"	187	125	93	75	62	53	47	42	37	33	57	53	49	46	43	40	38	36	34
60"	187	125	93	75	62	53	47	42	37	50	46	43	40	37	35	33	34	33	31
66"	187	125	93	75	62	53	47	42	37		SIZE	SINS	HADED	CELL	GETA	NGLE	STIFFE	NER	·
72"	187	125	93	75	62	53	47	42	37										
78"	187	125	93	75	62	53	47	42	37										
84"	187	125	93	75	62	53	47	42	37										
90"	187	125	93	75	62	53	47	42	37										
96"	187	125	93	75	62	53	47	42	37										
102"	182	122	91	73	61	52	46	41	36	l									
108"	172	115	86	69	57	49	43	38	34										
114"	163	109	82	65	54	47	41	36	33										
120"	155	103	78	62	52	44	39	34	31										

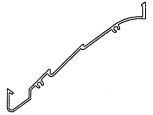




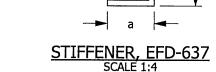
**BLADE BRACE, EFD-637** SCALE 1:4



I-MULLION, EFD-637 SCALE 1:4



BLADE, EFD-637 SCALE 1:4





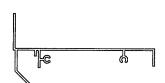




SCALE 1:4

JAMB, EFD-637 SCALE 1:4

SILL, EFD-637 SCALE 1:4





**SECTION D-D** 

FLANGED HEAD, EFD-637 SCALE 1:4

FLANGED JAMB, EFD-637 SCALE 1:4

FLANGED SILL, EFD-637 SCALE 1:4

±0.030 X.XX ±0.015 X.XXX ±0.010 ANGLE ±1°

FRACTION ±1/16

MAX HOLE BREAKOUT: 15% OF MATERIAL THICKNESS 5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300

L. David Rice Registration No: 50923

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: #9080

THIRD ANGLE PROJECTION **ARCHITECTURAL PRODUCTS** 

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DRAWING DESCR: EFD-637, ELEVATION & DETAILS

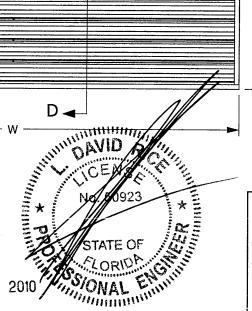
PROJECT: FLORIDA BUILDING CODE LOUVERS

LOCATION: CUSTOMER:

PROJ. MGR: DRAWN BY: TB

ORDER NUMBER | P.O. NUMBER | DRAWING NUMBER DATE: 11/24/2009 | CHK'D BY: SHEET: 6 of 6 SCALE: 1:20 EFD-637

Marin Property Comments APR 0 9 2010



UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES. TOLERANCE UNLESS NOTED:

