

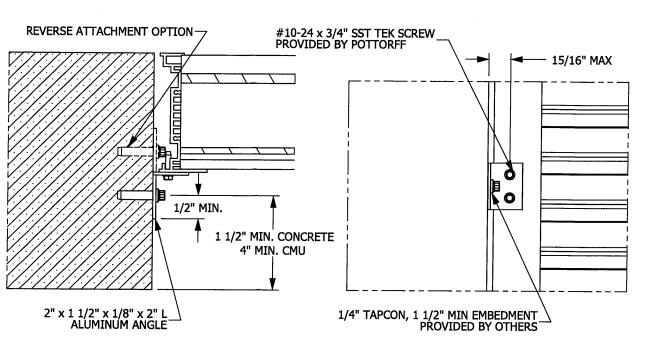
**REVERSE ATTACHMENT OPTION-**

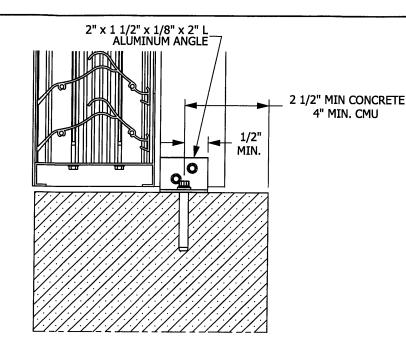
**ENGINEERING** 

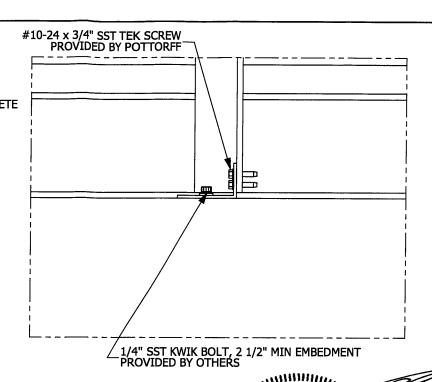
105 School Creek Trail Luxemburg, WI 54217

Phone: 920.845 1042

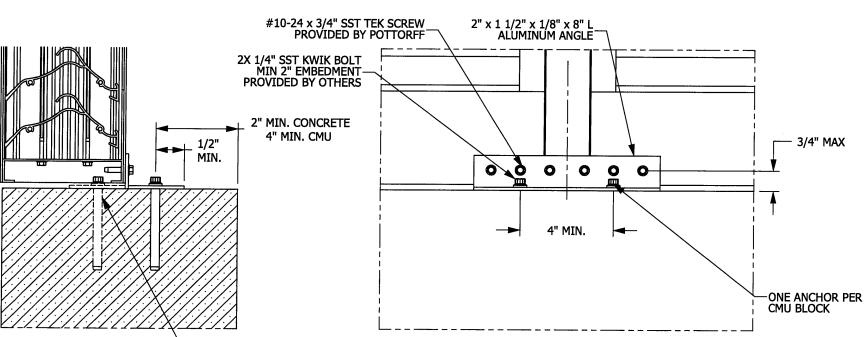
Fax: 920.845.1048







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



MULLION ATTACHMENT DETAIL
MASONRY CONDITION (SHEAR CONNECTION)

STIFFENER ATTACHMENT DETAIL MASONRY CONDITION (SHEAR CONNECTION)

SHEET: 3 of 6

4" MIN, CMU

SONAL ENGINEER APR 0 9 2010 **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 CONCRETE SUBSTRATE SHALL BE BE 2000 PSI OR STRONGER.

SCALE: NTS

9) ALL CMU SUBSTRATE SHALL BE ASTM C90 TYPE 2 FILLED WITH f'm=1500 PSI GROUT

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

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

MAX HOLE BREAKOUT:

5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110

THIRD ANGLE PROJECTION

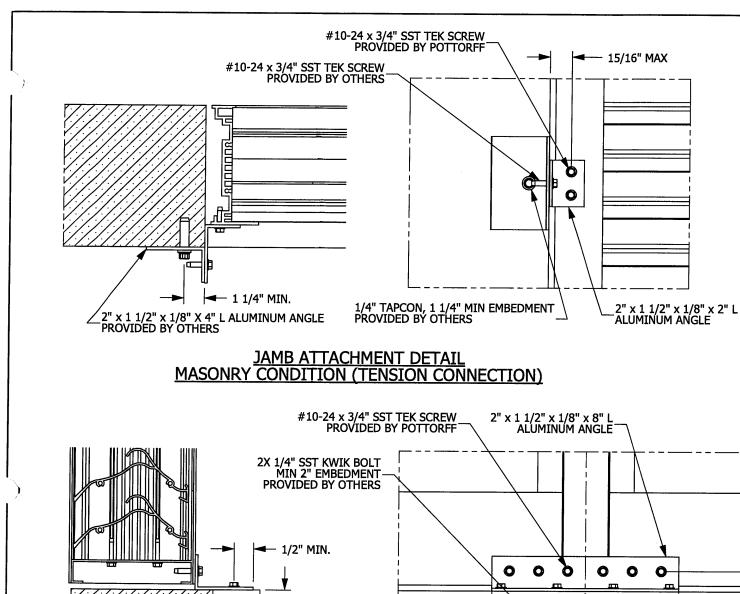
THIS DRAWING AND THE DESIGN REPRESENTED ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF PCI INDUSTRIES AND MAY NOT BE DISCLOSED, LOANED, COPIED, OR USED FOR ANY PURPOSE OTHER THAN DESIGN REVIEW AND APPROVAL WITHOUT THE EXPRESS WRITTEN CONSENT OF PCI INDUSTRIES.

DRAWING DESCR: MASONRY ATTACHMENT DETAILS PROJECT: FLORIDA BUILDING CODE LOUVERS OCATION: PROJ. MGR: DRAWN BY: TB ORDER NUMBER | P.O. NUMBER DRAWING NUMBER MASONRY COND. (SHEAR) DATE: 11/24/2009 | CHK'D BY:

TOLERANCE UNLESS NOTED: FRACTION ±1/16

15% OF MATERIAL THICKNESS

# ARCHITECTURAL PRODUCTS CUSTOMER:



RICE **ENGINEERING** 

3/4" MAX

3" x 2" X 1/4" x 4" L ALUMINUM ANGLE

PROVIDED BY OTHERS

2" x 1 1/2" x 1/8" x 2" L ALUMINUM ANGLE

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:

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.

APR 0 9 201

- 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.

#### **MULLION ATTACHMENT DETAIL** MASONRY CONDITION (TENSION CONNECTION)

2" MIN.

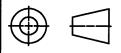
UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

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

MAX HOLE BREAKOUT:

5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110

THIRD ANGLE PROJECTION



ARCHITECTURAL PRODUCTS

THIS DRAWING AND THE DESIGN REPRESENTED ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF PCI INDUSTRIES 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: MASONRY ATTACHMENT DETAILS

#10-24 x 3/4" SST TEK SCREW

1/2" MIN.

2" MIN.

0

PROVIDED BY OTHERS

PROJECT: FLORIDA BUILDING CODE LOUVERS

STIFFENER ATTACHMENT DETAIL

MASONRY CONDITION (TENSION CONNECTION)

LOCATION:

CUSTOMER:

PROJ. MGR: DRAWN BY: TB DATE: 11/24/2009 | CHK'D BY: SHEET: 4 of 6 SCALE: NTS

ORDER NUMBER | P.O. NUMBER DRAWING NUMBER MASONRY COND. (TENSION)

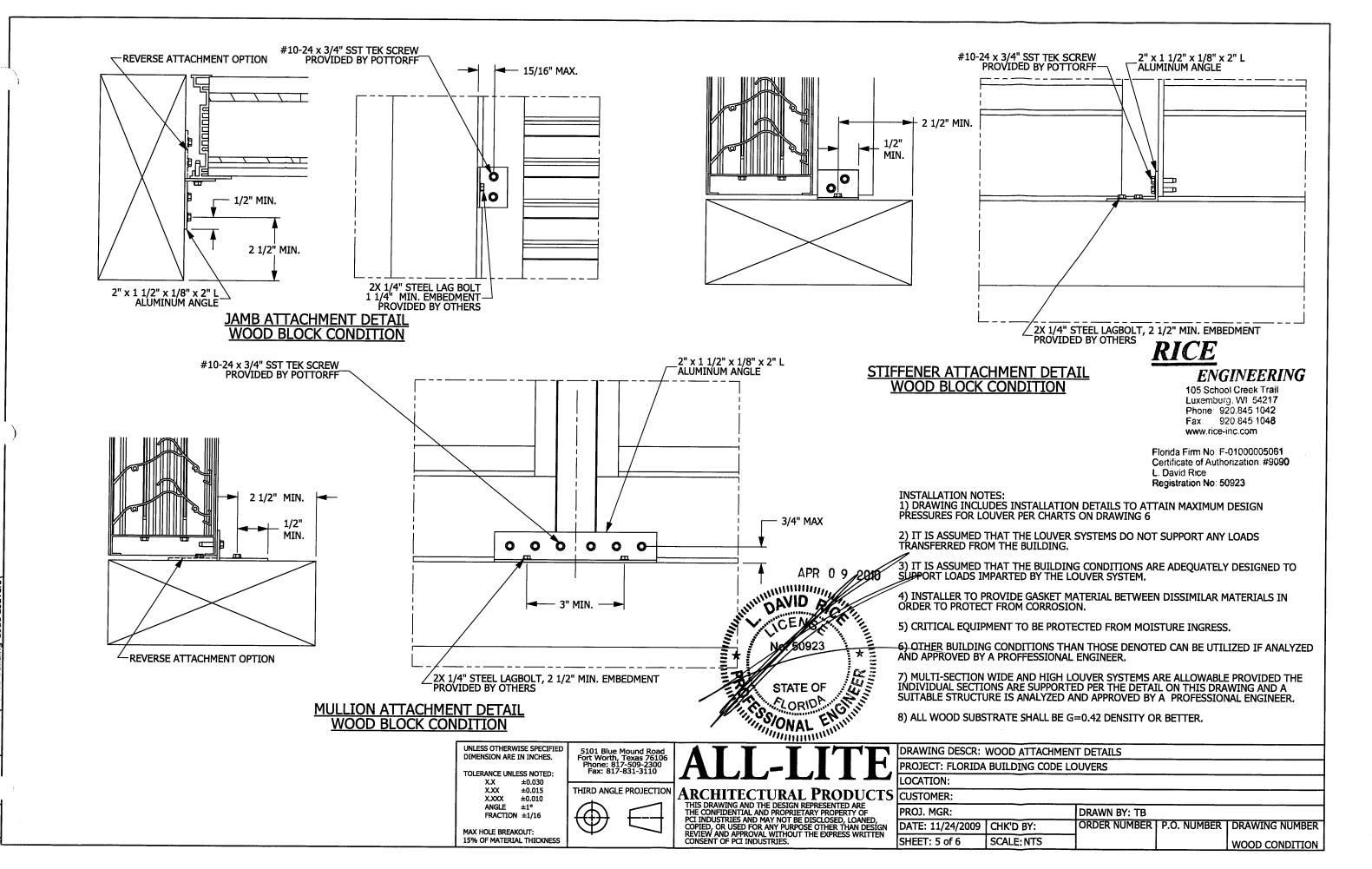
#10-24 x 3/4" SST TEK SCREW

PROVIDED BY POTTORFF

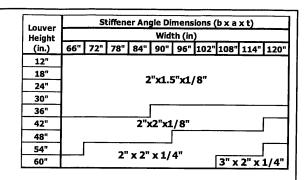
1/4" SST KWIK BOLT, 2" MIN. EMBEDMENT
PROVIDED BY OTHER AND AVID

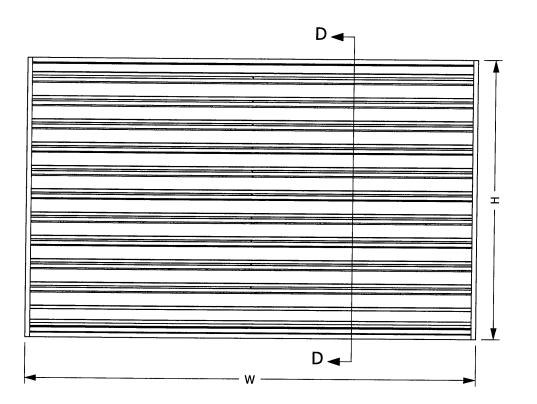
3" x 2" X 1/4" x 8" L ALUMINUM ANGLE

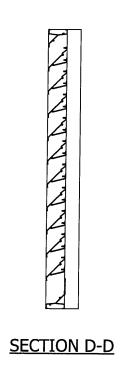
PROVIDED BY OTHERS

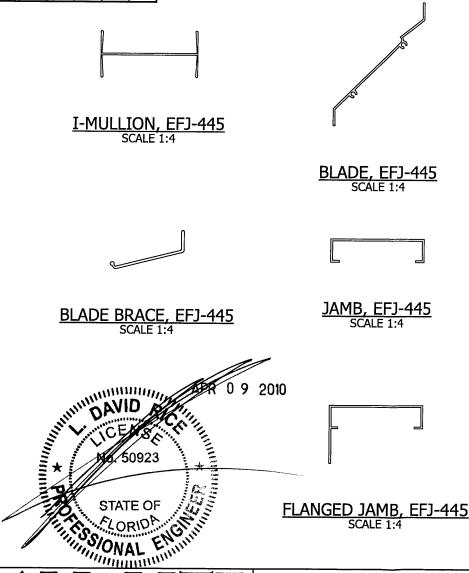


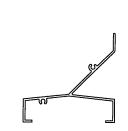
Louver		FJ - 4	15 LOL	IVER N	MODEL	- Multi	iple Se	ection	Width	Assem	blies -	Maxin	num Al	lowab	le Des	ign Pro	essure	- (PSI	-)
Tributary										er Wid				-					
Height	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"	108"	114"	120"
12"	187	125	93	75	62	50	34	24	17	68	62	57	53	50	47	43	38	34	31
18"	187	125	93	75	62	50	34	24	17	68	62	57	53	50	47	43	38	34	31
24"	187	125	93	75	62	50	34	24	17	68	62	57	53	50	47	43	38	34	31
30"	187	125	93	75	62	50	34	24	17	61	56	52	48	45	42	40	37	34	31
36"	187	125	93	75	62	50	34	24	17	42	39	36	33	50	47	43	38	34	31
42"	187	125	93	75	62	50	34	24	17	54	50	46	43	40	37	35	33	32	31
48"	187	125	93	75	62	50	34	24	17	42	38	35	33	31	47	43	38	34	31
54"	187	125	93	75	62	50	34	24	17	33	57	53	49	46	43	40	38	34	31
60"	187	125	93	75	62	50	34	24	17	50	46	43	40	37	35	33	34	33	31
66"	187	125	93	75	62	50	34	24	17		SIZE	SINS	IADED	CELL	GETA	NGLE	STIFFE	NER	
72"	187	125	93	75	62	50	34	24	17										
78"	187	125	93	75	62	50	34	24	17										
84"	187	125	93	75	62	50	34	24	17										
90"	187	125	93	75	62	50	34	24	17										
96"	187	125	93	75	62	50	34	24	17										
102"	171	114	85	68	57	49	34	24	17										
108"	152	102	76	61	51	44	34	24	17										
114"	137	91	68	55	46	39	34	24	17										
120"	123	82	62	49	41	35	31	24	17										











STIFFENER, EFJ-445

SCALE 1:4





FLANGED HEAD/SILL, EFJ-445 SCALE 1:4

### **ENGINEERING**

105 School Creek Trail Luxemburg, WI 54217 Phone: 920.845 1042 Fax: 920.845 1048

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

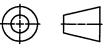
www.rice-inc.com

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES.

TOLERANCE LINLESS 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 PROJECTION



## ARCHITECTURAL PRODUCTS

THIS DRAWING AND THE DESIGN REPRESENTED ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF PCI INDUSTRIES 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: EFJ-445, ELEVATION & DETAILS
PROJECT: FLORIDA BUILDING CODE LOUVERS

PROJ. MGR:

CUSTOMER: DRAWN BY: TB ORDER NUMBER | P.O. NUMBER | DRAWING NUMBER DATE: 11/24/2009 | CHK'D BY: SHEET: 6 of 6 SCALE: 1:20 EFJ-445