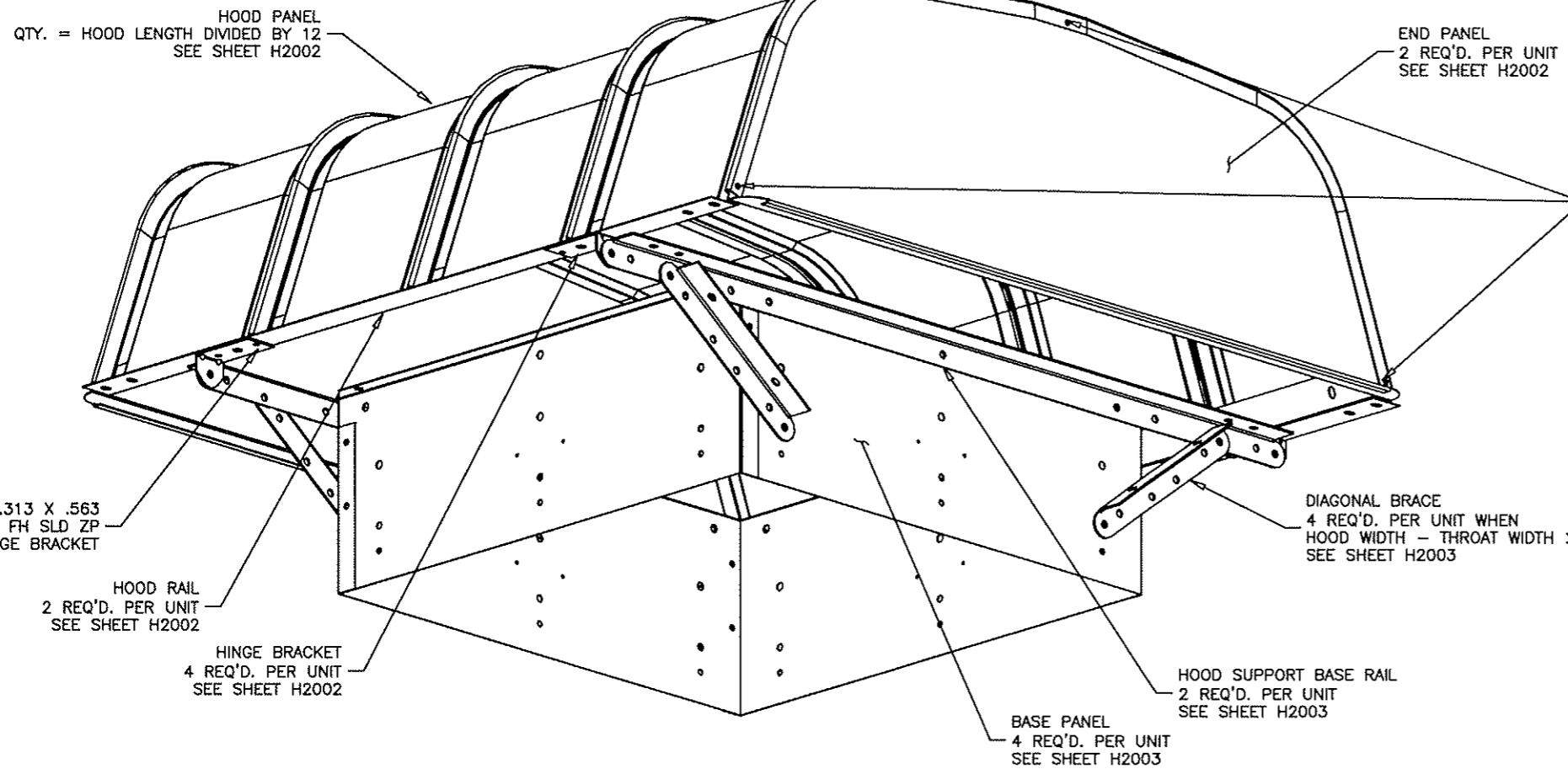


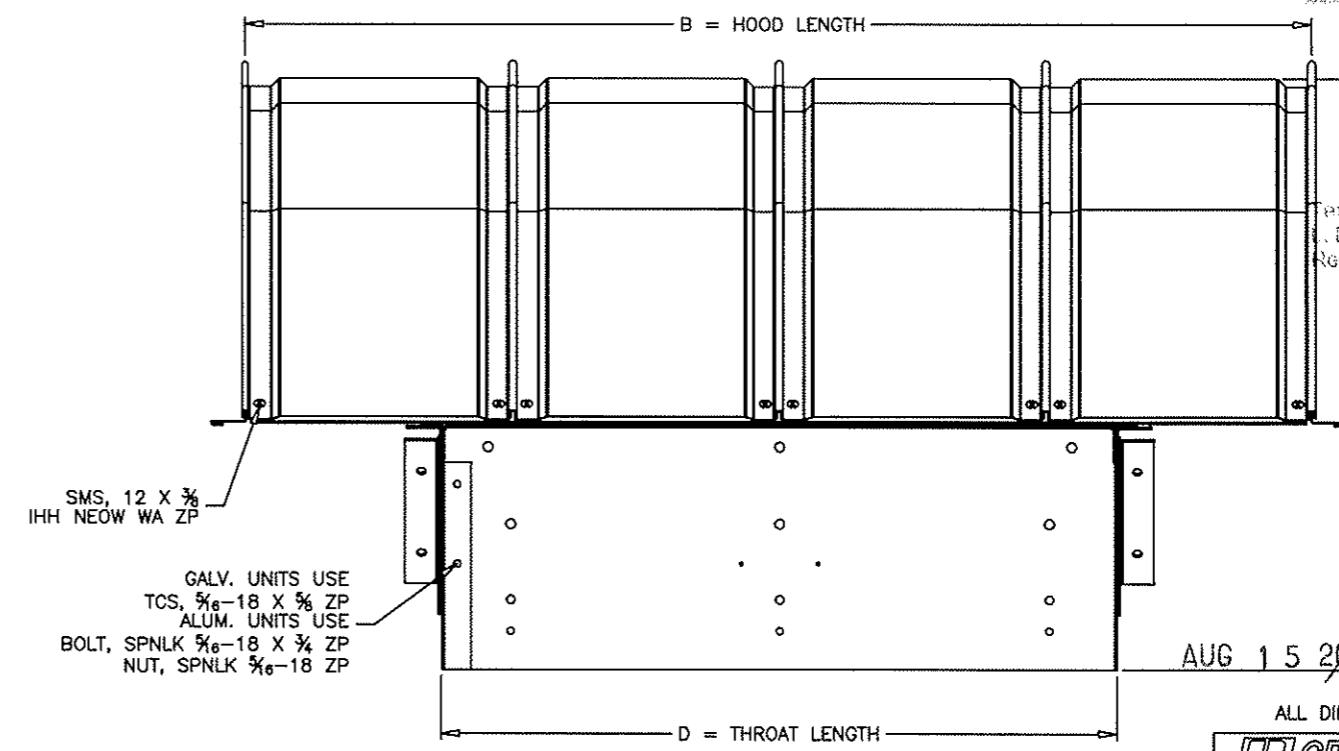
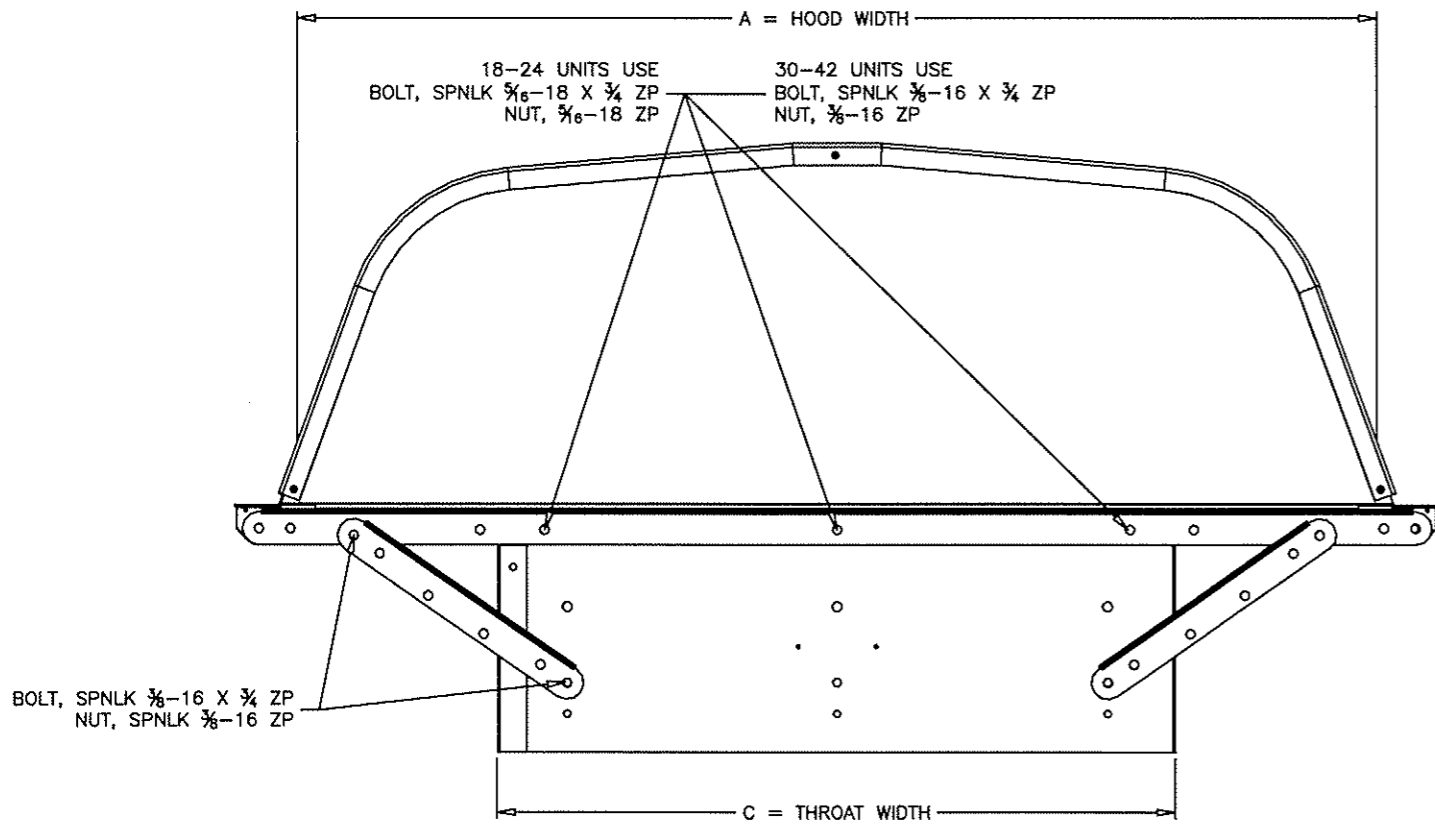
NOTES:

1. ROOF STRUCTURE MUST BE DESIGNED TO WITHSTAND THE WEIGHT AND LOADING TRANSMITTED BY ROOF TOP FANS. FASTENERS SHALL BE AS SPECIFIED AND INSTALLED AS DETAILED.
2. DESIGN, TESTING, AND INSTALLATION CONFORMS TO THE TEXAS REVISIONS TO THE 2006 INTERNATIONAL BUILDING CODE AND THE TEXAS REVISIONS TO THE 2006 INTERNATIONAL RESIDENTIAL CODE.
3. DESIGN PRESSURE = +/- 130 PSF FOR STEEL AND +/- 70 PSF FOR AL. LARGE MISSILE IMPACT RESISTANT.
4. THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY AND IMPACT RATING OF THE EXTERIOR HOUSING ONLY, IT DOES NOT INCLUDE ANY INTERIOR MECHANISM OR ELECTRICAL PART.



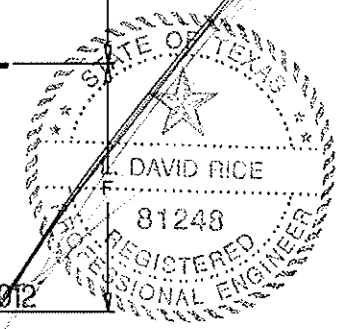
UNIT SIZE	EXHAUST/SUPPLY RE, RS, RCE, RCS, RBE, RBS, RBF, RBCE, RBCE, RBCS, RBCF								APPROX. WEIGHT (LBS.)	
	STANDARD HOOD A	FILTERED HOOD A	STANDARD HOOD B	FILTERED HOOD B	C	D	E	F	STEEL	ALUMINUM
	18	44.00		48.00		28.25	28.25	13.00	10.00	185
20	50.00	50.00	48.00	48.00	30.25	30.25	16.00	11.00	220	190
24	62.00	62.00	60.00	60.00	34.25	34.25	18.00	11.00	260	225
30	71.00	74.00	72.00	84.00	40.25	40.25	20.00	14.00	295	250
36	84.00	90.00	84.00	84.00	46.25	46.25	22.00	17.50	340	290
42	82.00	89.00	96.00	96.00	52.25	52.25	24.00	18.50	465	395

REVERSIBLE RPDR, RPBR, RPDRF, RPBRF										
24	62.00	62.00	48.00	60.00	34.25	34.25	18.00	14.00	260	225
30	70.00	74.00	48.00	84.00	40.25	40.25	20.00	14.00	295	250
36	72.00	90.00	60.00	84.00	46.25	46.25	21.00	17.50	340	290
42	82.00	96.00	72.00	96.00	52.25	52.25	24.00	18.50	465	395



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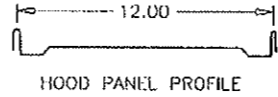
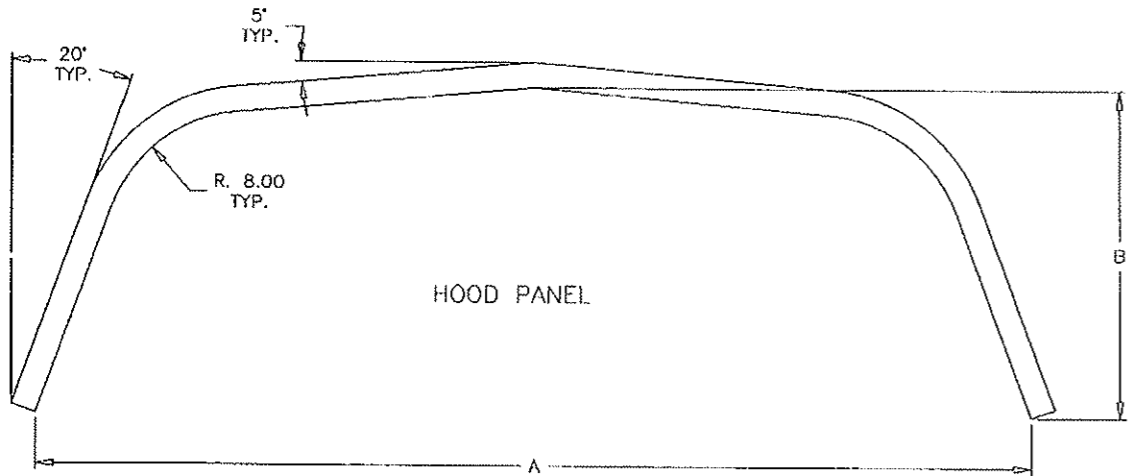
Texas Firm No: F-2183
David Rice
Registration No: 81248



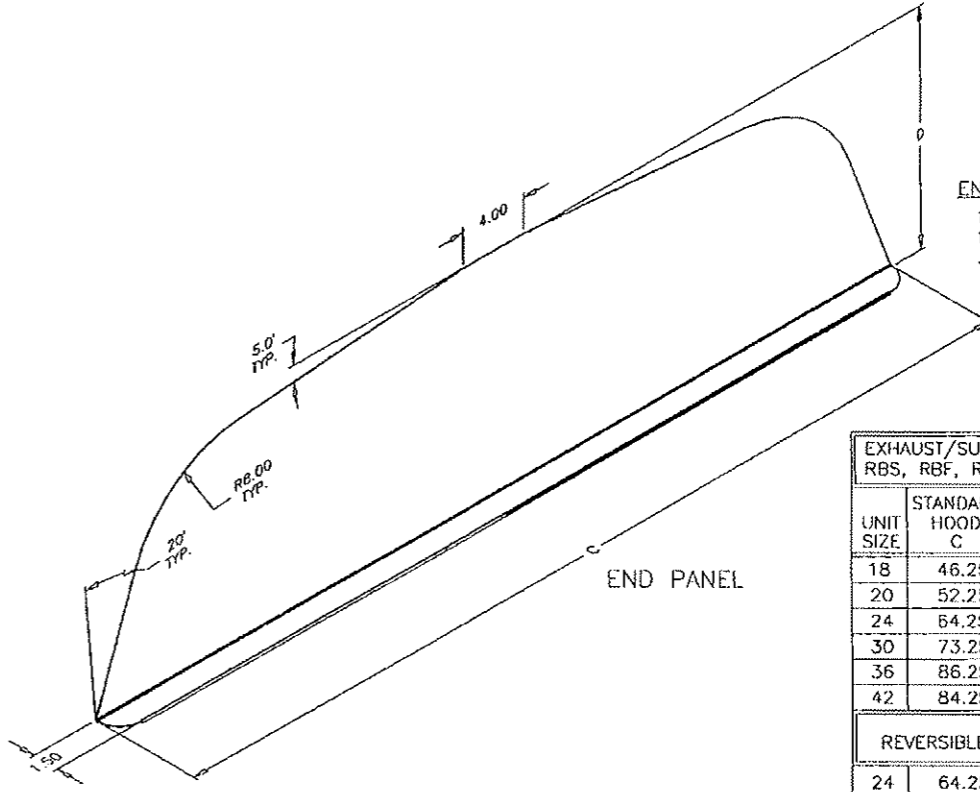
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ALL DIMENSIONS ARE IN INCHES

	YAKOVICH
	02/24/2009
R SERIES UNITS SHEET 1 OF 7	1/4.5
	HR2001



HOOD PANEL MATERIAL
 22 GA. GALV. G90
 22 GA. GVN.L. A60
 .050 AL. 3105-H24



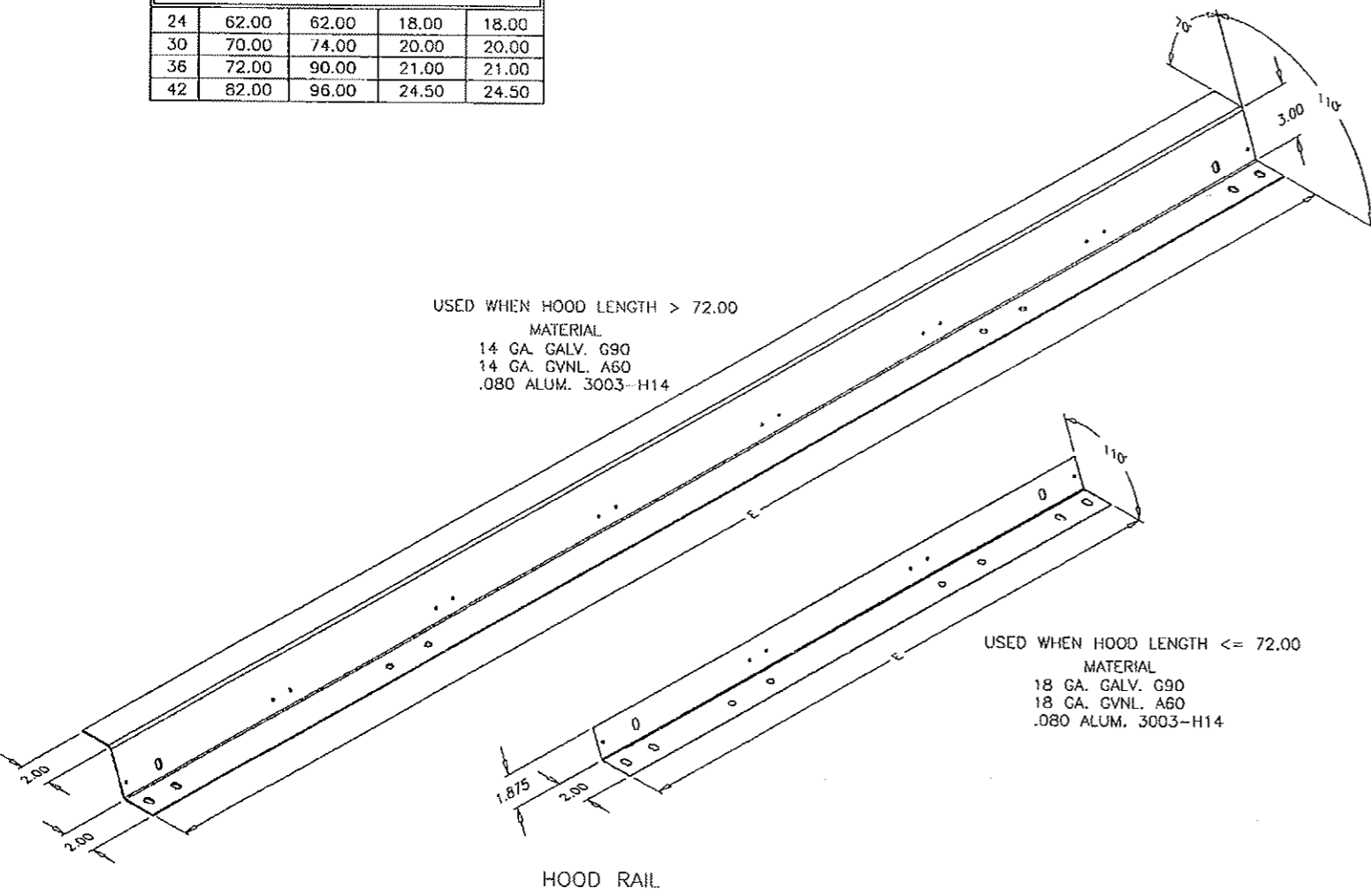
END PANEL MATERIAL
 18 GA. GALV. G90
 18 GA. GVN.L. A60
 .063 AL. 1100-H14

EXHAUST/SUPPLY RE, RS, RCE, RCS, RBE, RBS, RBF, RBCE, RBCS, RBCF				
UNIT SIZE	STANDARD HOOD A	FILTERED HOOD A	STANDARD HOOD B	FILTERED HOOD B
18	44.00		13.00	
20	50.00	50.00	16.00	16.00
24	62.00	62.00	18.00	18.00
30	71.00	74.00	20.00	20.00
36	84.00	90.00	22.00	22.00
42	82.00	89.00	24.00	24.00

REVERSIBLE RPDR, RPBR, RPDRF, RPBRF				
UNIT SIZE	STANDARD HOOD A	FILTERED HOOD A	STANDARD HOOD B	FILTERED HOOD B
24	62.00	62.00	18.00	18.00
30	70.00	74.00	20.00	20.00
36	72.00	90.00	21.00	21.00
42	82.00	96.00	24.50	24.50

EXHAUST/SUPPLY RE, RS, RCE, RCS, RBE, RBS, RBF, RBCE, RBCS, RBCF				
UNIT SIZE	STANDARD HOOD C	FILTERED HOOD C	STANDARD HOOD D	FILTERED HOOD D
18	46.25		13.75	
20	52.25	52.25	16.75	16.75
24	64.25	64.25	18.75	18.75
30	73.25	76.25	20.75	20.75
36	86.25	92.25	22.75	22.75
42	84.25	91.25	24.75	24.75

REVERSIBLE RPDR, RPBR, RPDRF, RPBRF				
UNIT SIZE	STANDARD HOOD C	FILTERED HOOD C	STANDARD HOOD D	FILTERED HOOD D
24	64.25	64.25	18.75	18.75
30	72.25	76.25	20.75	20.75
36	74.25	92.25	21.75	21.75
42	84.25	98.25	25.25	25.25



USED WHEN HOOD LENGTH > 72.00
 MATERIAL
 14 GA. GALV. G90
 14 GA. GVN.L. A60
 .080 ALUM. 3003-H14

USED WHEN HOOD LENGTH <= 72.00
 MATERIAL
 18 GA. GALV. G90
 18 GA. GVN.L. A60
 .080 ALUM. 3003-H14

EXHAUST/SUPPLY RE, RS, RCE, RCS, RBE, RBS, RBF, RBCE, RBCS, RBCF		
UNIT SIZE	STANDARD HOOD E	FILTERED HOOD E
18	47.50	
20	47.50	47.50
24	59.50	59.50
30	71.50	83.50
36	83.5	83.50
42	95.50	95.50

REVERSIBLE RPDR, RPBR, RPDRF, RPBRF		
UNIT SIZE	STANDARD HOOD E	FILTERED HOOD E
24	59.50	59.50
30	71.50	83.50
36	83.50	83.50
42	95.50	95.50

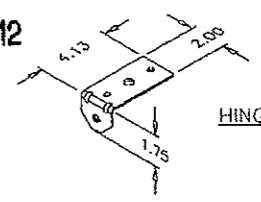


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Texas Firm No: F-2183
 L. David Rice
 Registration No: 81248



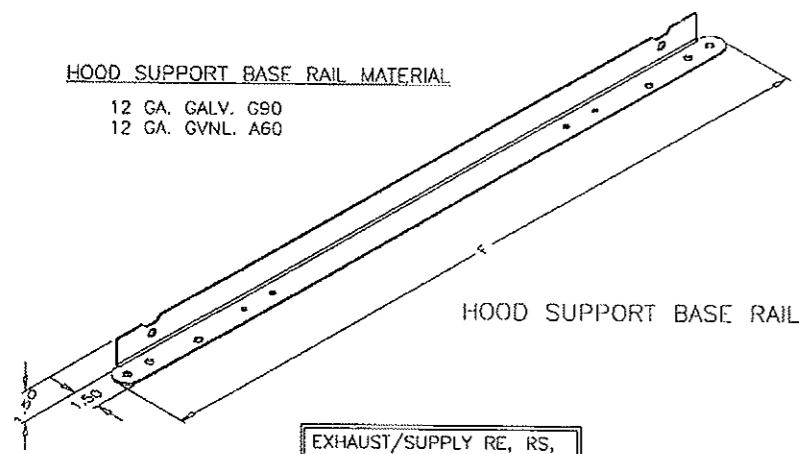
HINGE BRACKET MATERIAL
 11 GA. GALV. G90

HINGE BRACKET

ALL DIMENSIONS ARE IN INCHES

	YAKLOVICH 02/24/2009
	R SERIES UNITS SHEET 2 OF 7
1/4.5	HR2002

HOOD SUPPORT BASE RAIL MATERIAL
 12 GA. GALV. G90
 12 GA. GVNL. A60

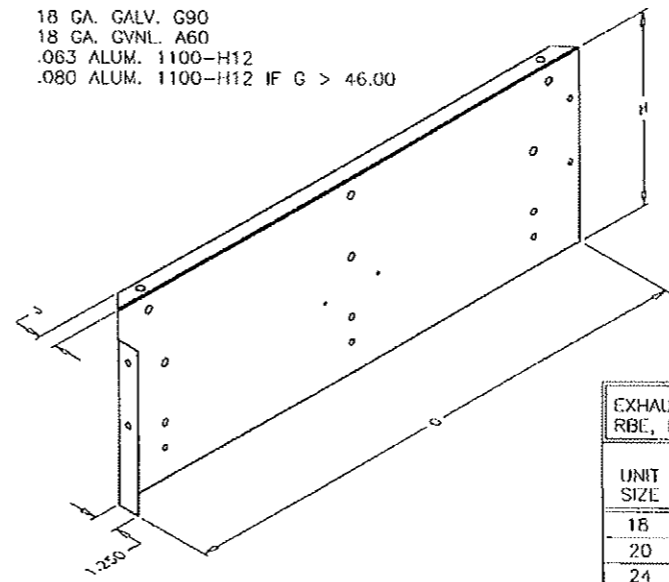


HOOD SUPPORT BASE RAIL

EXHAUST/SUPPLY RE, RS, RCE, RCS, RBE, RBS, RBF, RBCE, RBCS, RBCF		
UNIT SIZE	STANDARD HOOD F	FILTERED HOOD F
18	47.50	
20	53.50	53.50
24	65.50	65.50
30	74.50	77.50
36	87.50	93.50
42	85.50	92.50

REVERSIBLE RPDR, RPBR, RPDRF, RPBRF		
UNIT SIZE	STANDARD HOOD F	FILTERED HOOD F
24	65.50	65.50
30	73.50	77.50
36	75.50	93.50
42	85.50	99.50

BASE PANEL MATERIAL
 18 GA. GALV. G90
 18 GA. GVNL. A60
 .063 ALUM. 1100-H12
 .080 ALUM. 1100-H12 IF G > 46.00

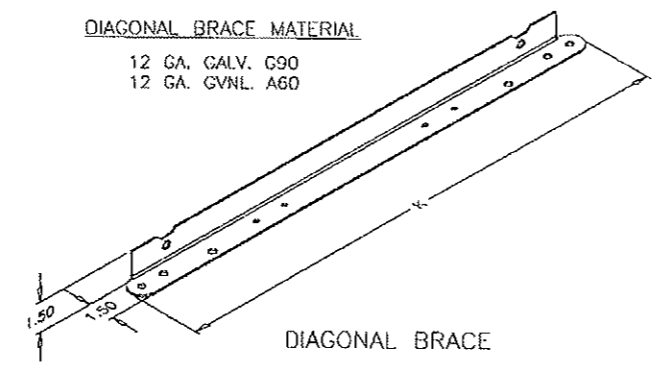


BASE PANEL

EXHAUST/SUPPLY RE, RS, RCE, RCS, RBE, RBS, RBF, RBCE, RBCS, RBCF			
UNIT SIZE	G	H	J
18	28.19	10.00	1.00
20	30.25	11.00	0.94
24	34.25	11.00	0.94
30	40.25	14.00	0.94
36	46.25	17.50	0.94
42	52.19	18.50	0.94

REVERSIBLE RPDR, RPBR, RPDRF, RPBRF			
UNIT SIZE	G	H	J
24	34.25	11.00	0.94
30	40.25	14.00	0.94
36	46.25	17.50	0.94
42	52.19	18.50	0.94

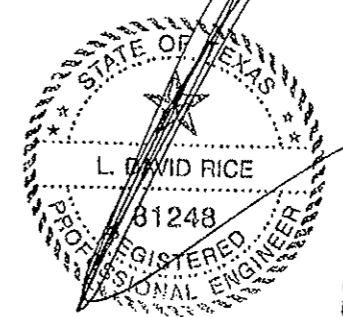
DIAGONAL BRACE MATERIAL
 12 GA. GALV. G90
 12 GA. GVNL. A60



DIAGONAL BRACE

EXHAUST/SUPPLY RE, RS, RCE, RCS, RBE, RBS, RBF, RBCE, RBCS, RBCF		
UNIT SIZE	STANDARD HOOD K	FILTERED HOOD K
18		
20		
24		
30		20.54
36	24.45	26.99
42	21.25	23.89

REVERSIBLE RPDR, RPBR, RPDRF, RPBRF		
UNIT SIZE	STANDARD HOOD K	FILTERED HOOD K
24		
30		20.54
36		26.99
42	21.25	26.89



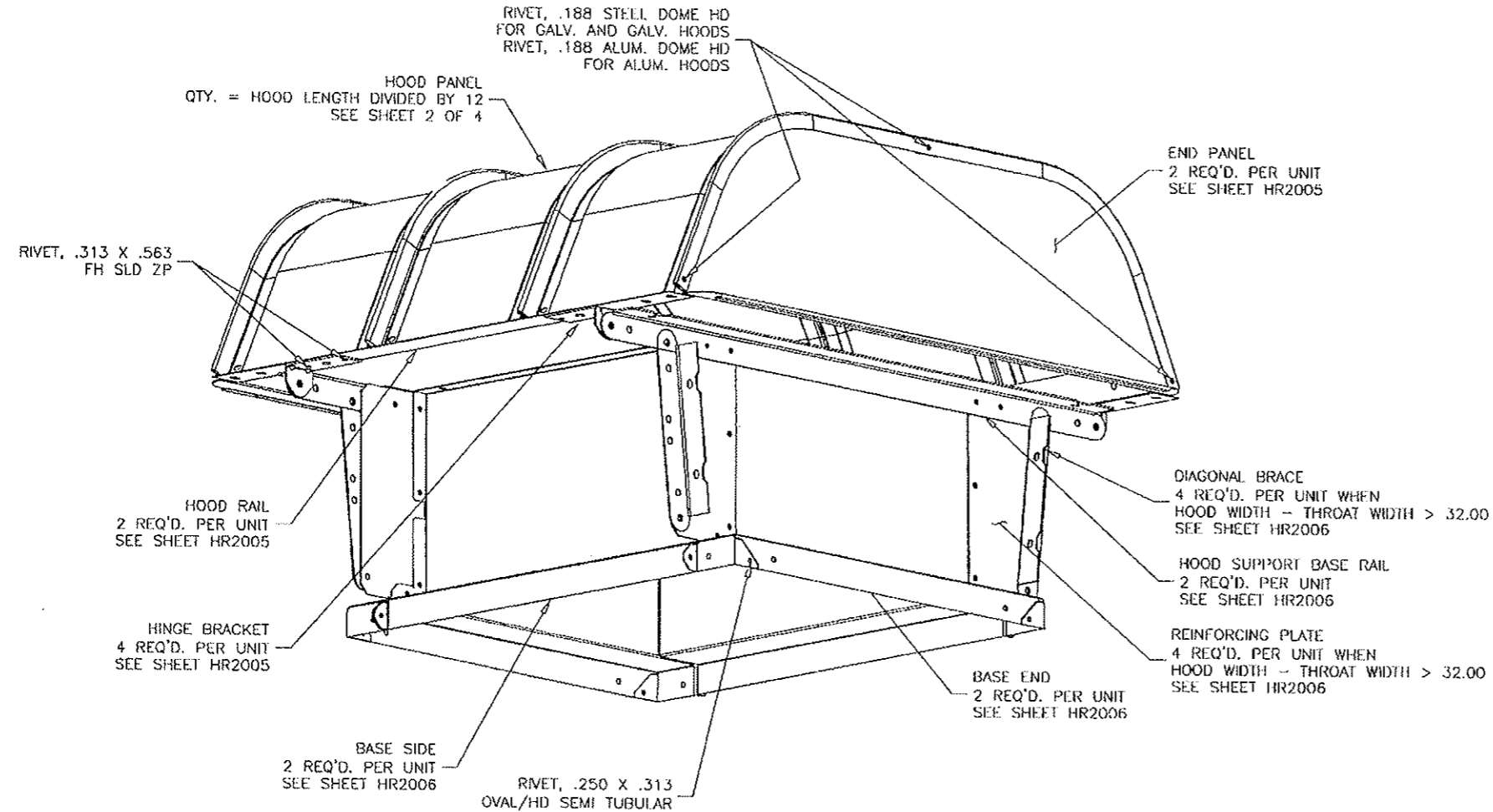
RICE ENGINEERING
 105 School Creek Trail
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 L. David Rice
 Registration No: 81248

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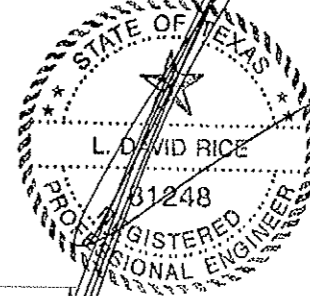
	DRAWN BY YAKLOVICH	DATE 02/24/2009
	R SERIES UNITS SHEET 3 OF 7	SCALE 1/4" = 1"

REVISION	DCR	BY	DATE	CHK
CREATED HURRICANE RATED DWG.		DFV	03/04/2009	(D)



NOTES:

1. MODELS FGI AND FGR HAVE BEEN SUCCESSFULLY TESTED IN ACCORDANCE WITH MIAMI DADE TEST PROTOCOL TAS-201 (LARGE MISSILE IMPACT), TAS-202 (STATIC LOADING), AND TAS-203 (CYCLIC WIND LOADING).
2. ROOF STRUCTURE MUST BE DESIGNED TO WITHSTAND THE WEIGHT AND LOADING TRANSMITTED BY ROOF TOP FANS. FASTENERS SHALL BE AS SPECIFIED AND INSTALLED AS DETAILED.
3. DESIGN, TESTING, AND INSTALLATION CONFORMS TO FLORIDA BUILDING CODE.
4. DESIGN PRESSURE = +/- 130 PSF FOR STEEL AND +/- 70 PSF FOR AL. LARGE MISSILE IMPACT RESISTANT.
5. TESTED FOR AREAS INCLUDING HIGH VELOCITY HURRICANE ZONES.
6. THESE FANS HAVE NOT BEEN TESTED FOR WIND DRIVEN RAIN TEST PER FLORIDA BUILDING CODE, TAS-100 (A)-95
7. THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY AND IMPACT RATING OF THE EXTERIOR HOUSING ONLY, IT DOES NOT INCLUDE ANY INTERIOR MECHANISM OR ELECTRICAL PART.
8. FGI THROAT = MIN. 8.00 X 8.00 MAX. 54.00 X 54.00
 FGR THROAT = MIN. 8.00 X 8.00 MAX. 66.00 X 66.00

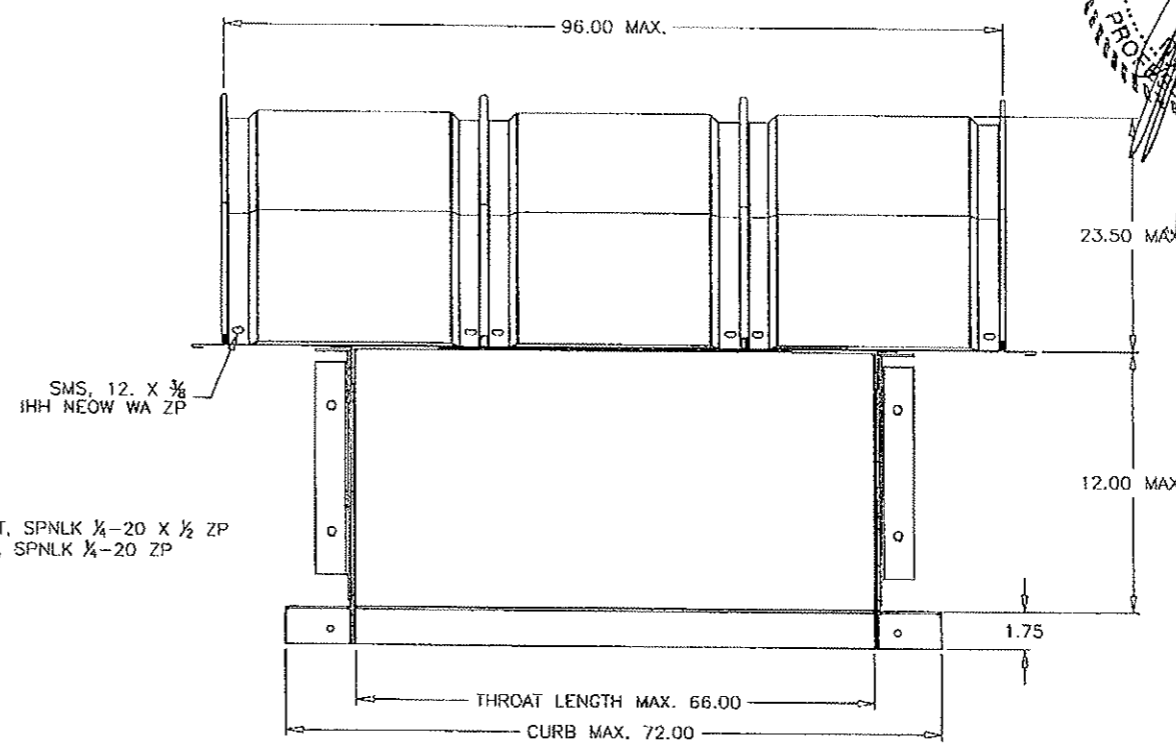
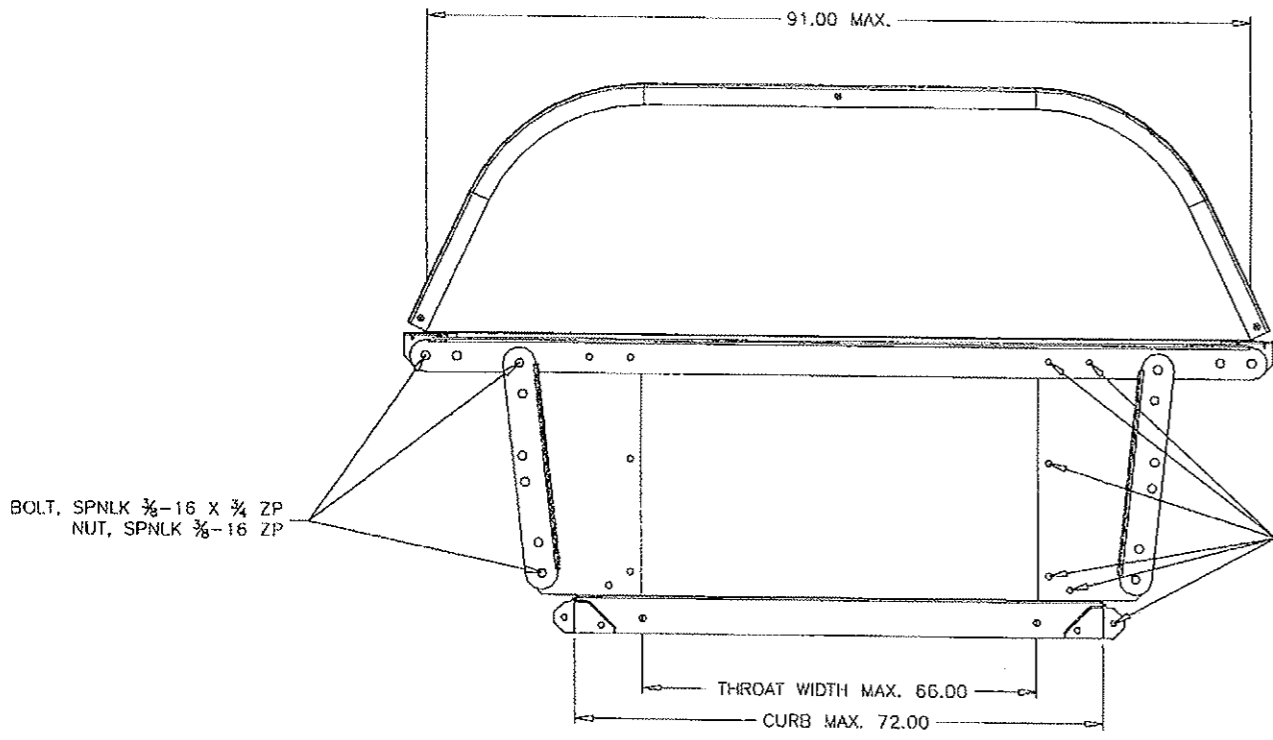


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JUN 14 2012
 23.50 MAX.

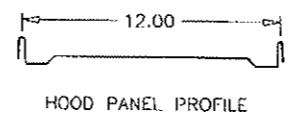
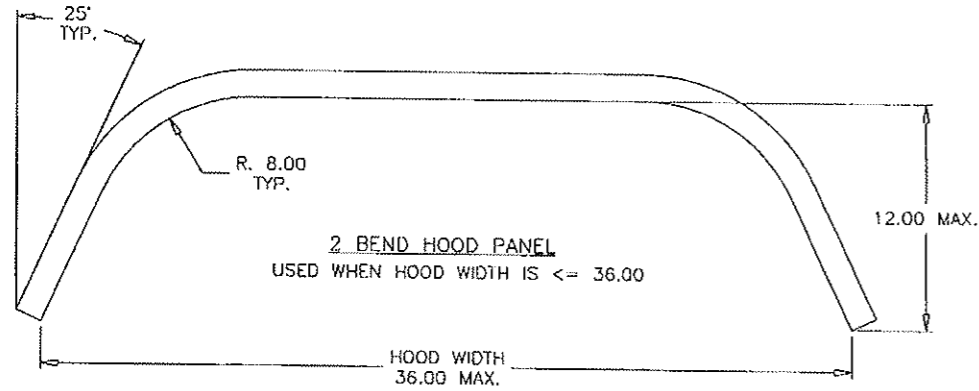


ALL DIMENSIONS ARE IN INCHES

	YAKLOVICH 02/03/2009
	1/45 HR2004

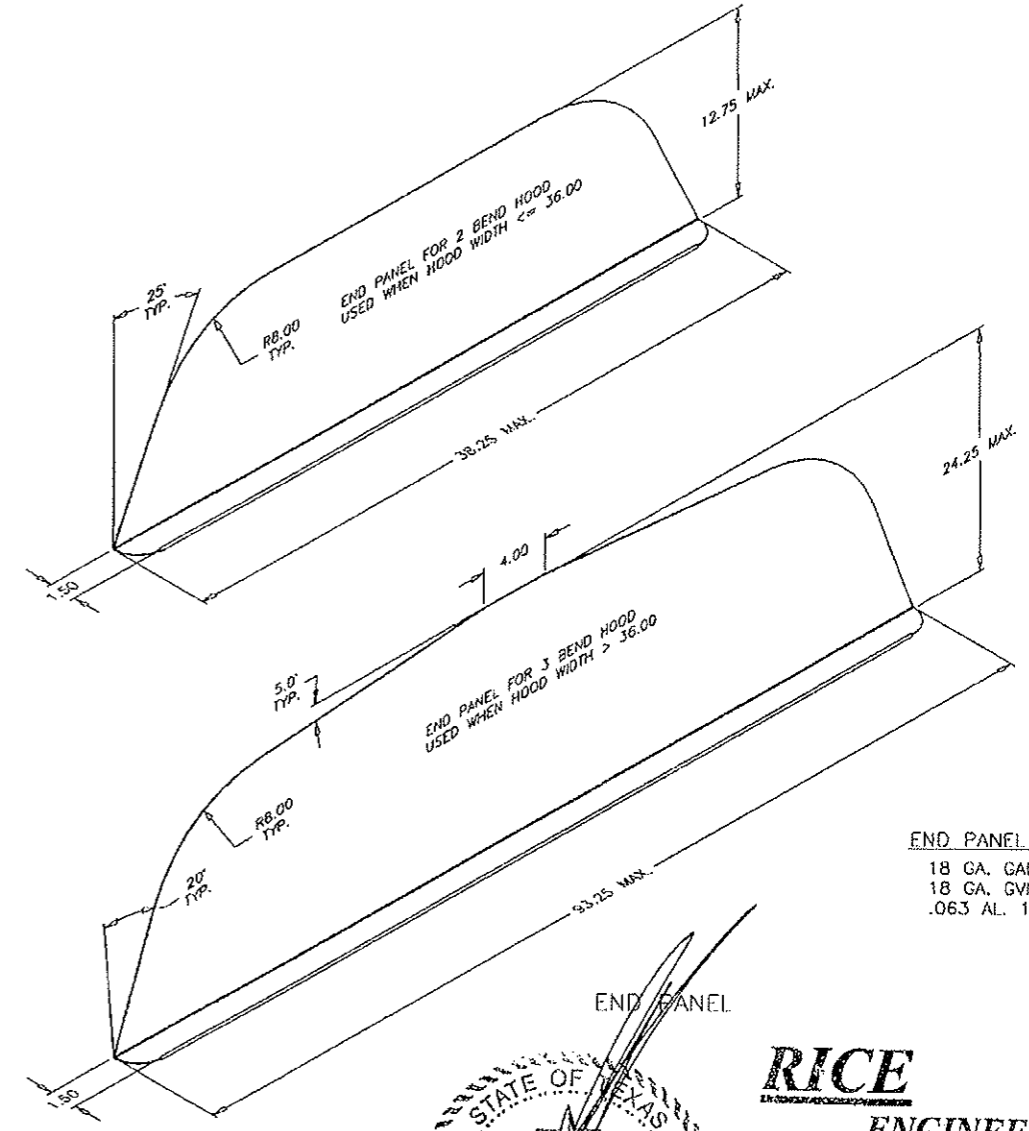
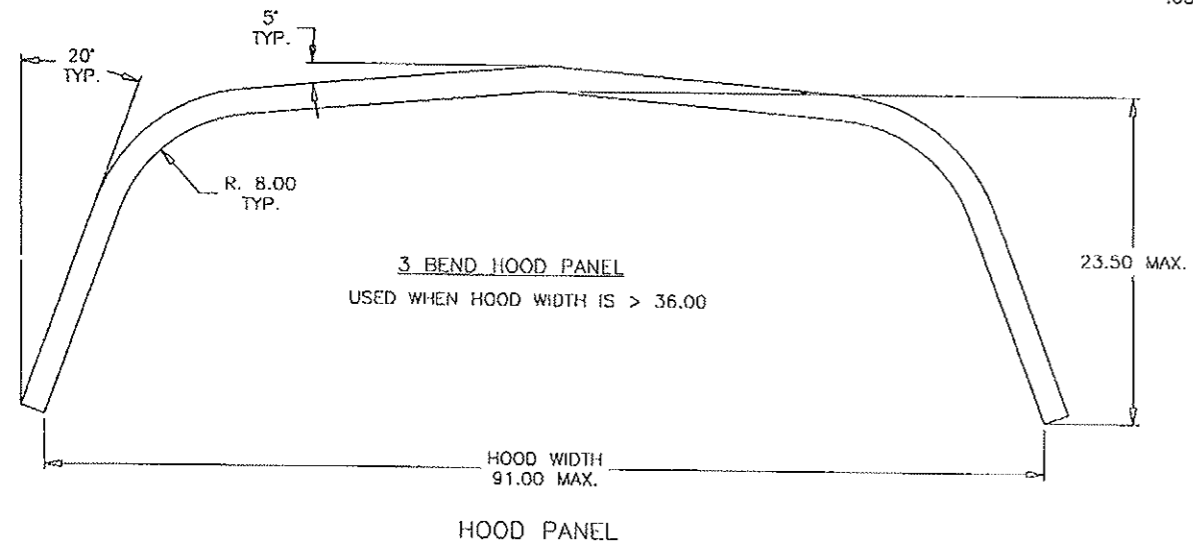
FGI & FGR SHEET 4 OF 7

REVISION	DR	IT	DATE	BY
CREATED HURRICANE RATED DWG.	DFY		03/07/2009	



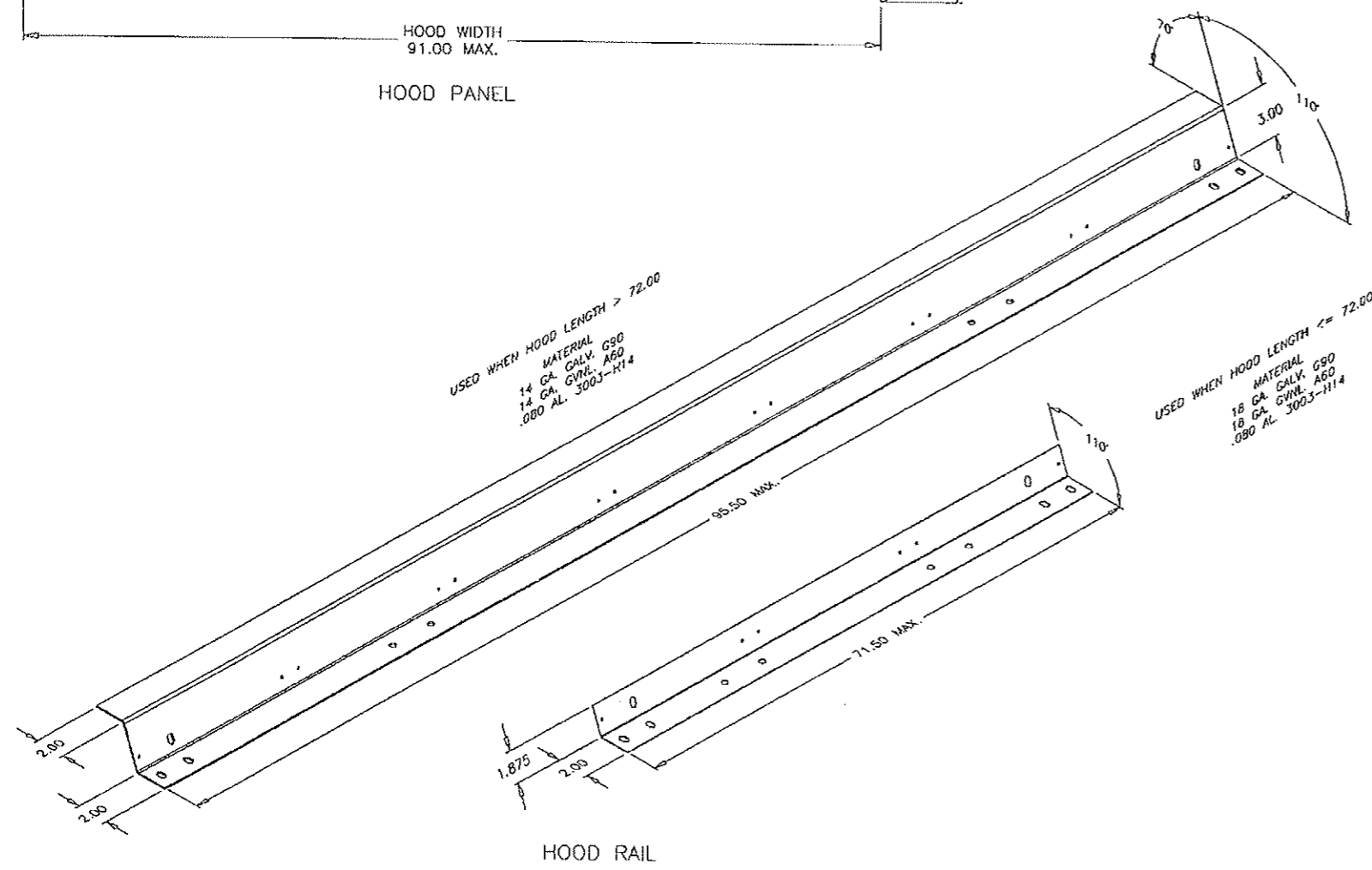
HOOD PANEL MATERIAL

22 GA. GALV. G90
 22 GA. GVN.L. A60
 .040 AL. 3003-H14 WHEN THROAT WIDTH <= 36.00
 .050 AL. 3105-H24 WHEN THROAT WIDTH > 36.00

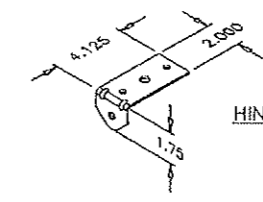


END PANEL MATERIAL

18 GA. GALV. G90
 18 GA. GVN.L. A60
 .063 AL. 1100-H14



HOOD RAIL



HINGE BRACKET MATERIAL

11 GA. GALV. G90

HINGE BRACKET



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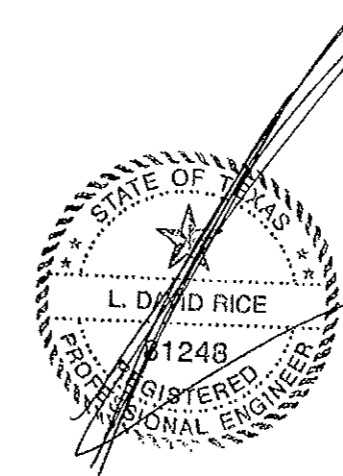
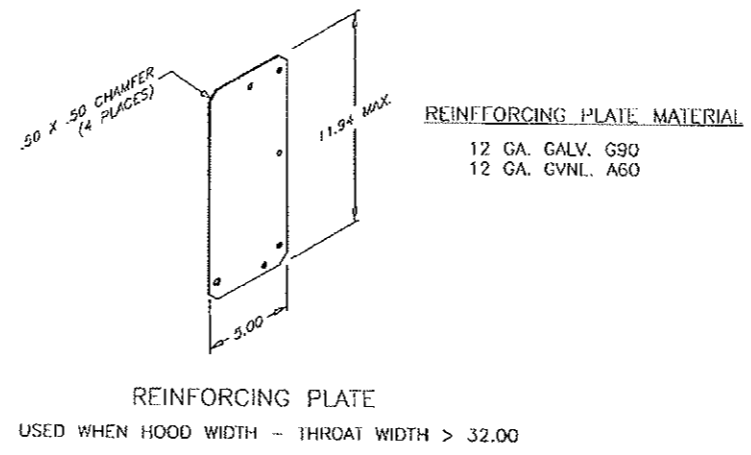
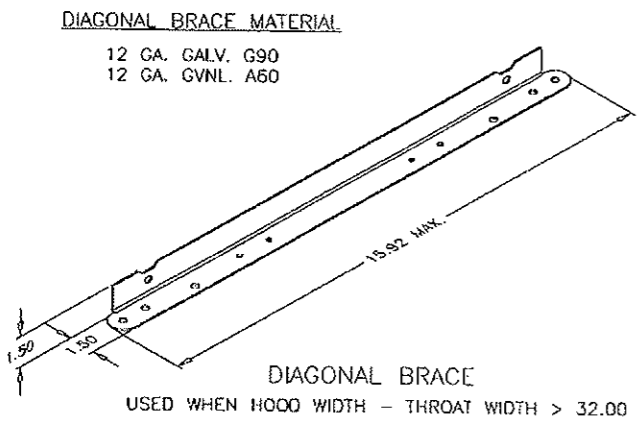
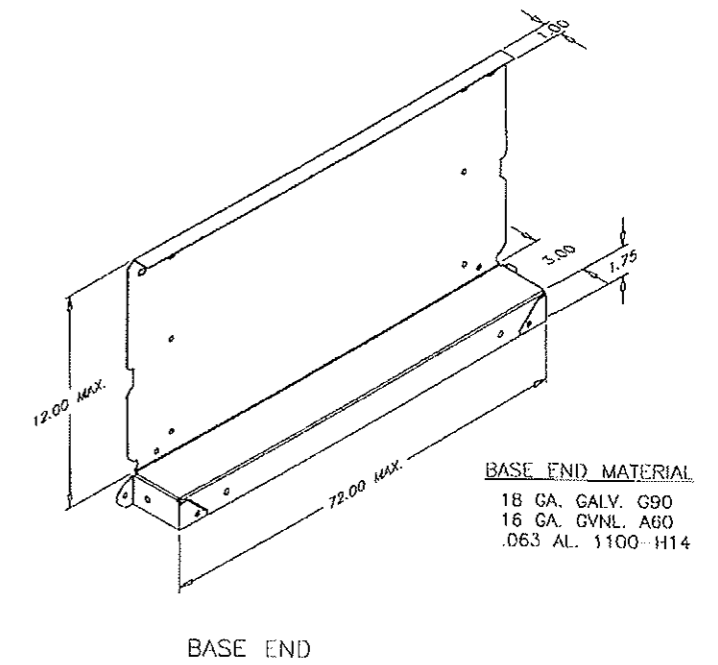
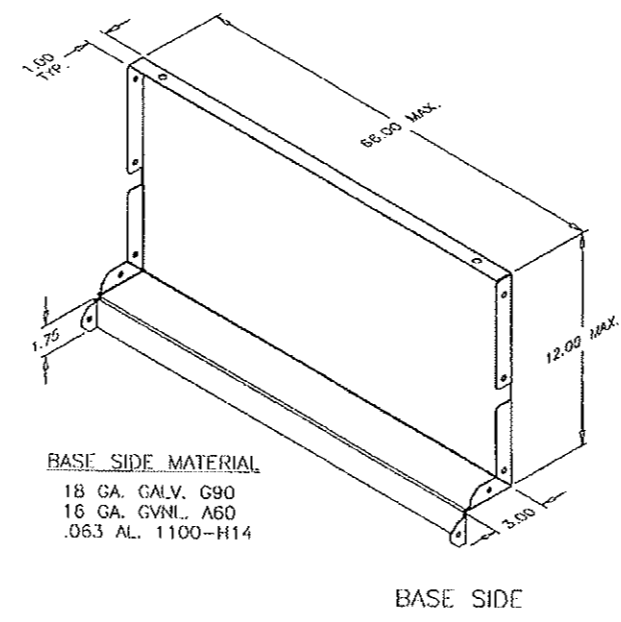
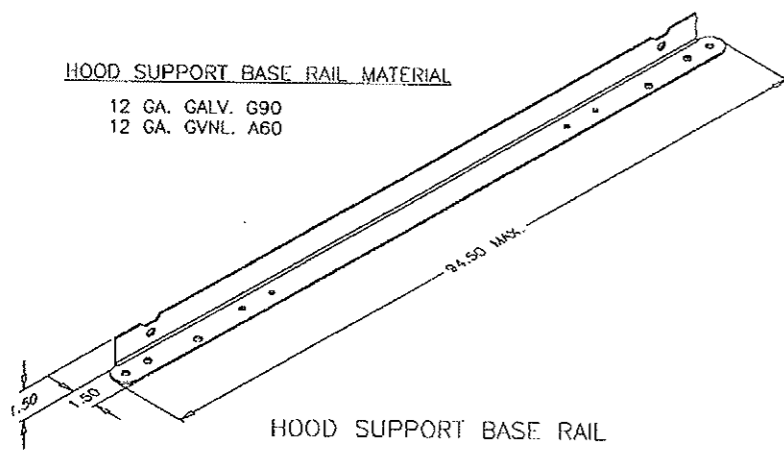
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Texas Firm No: F-2183
 L. David Rice
 Registration No: 81248

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GREENHECK POLICE 110 SCHWABE, VESTIBULE 5475-016	YAKLOVICH 02/03/2009
FGI & FGR SHEET 5 OF 7	1/45 HR2005

REVISION	DCR	BY	DATE	SYM
CREATED HURRICANE RATED DWG.		DFY	03/04/2009	①



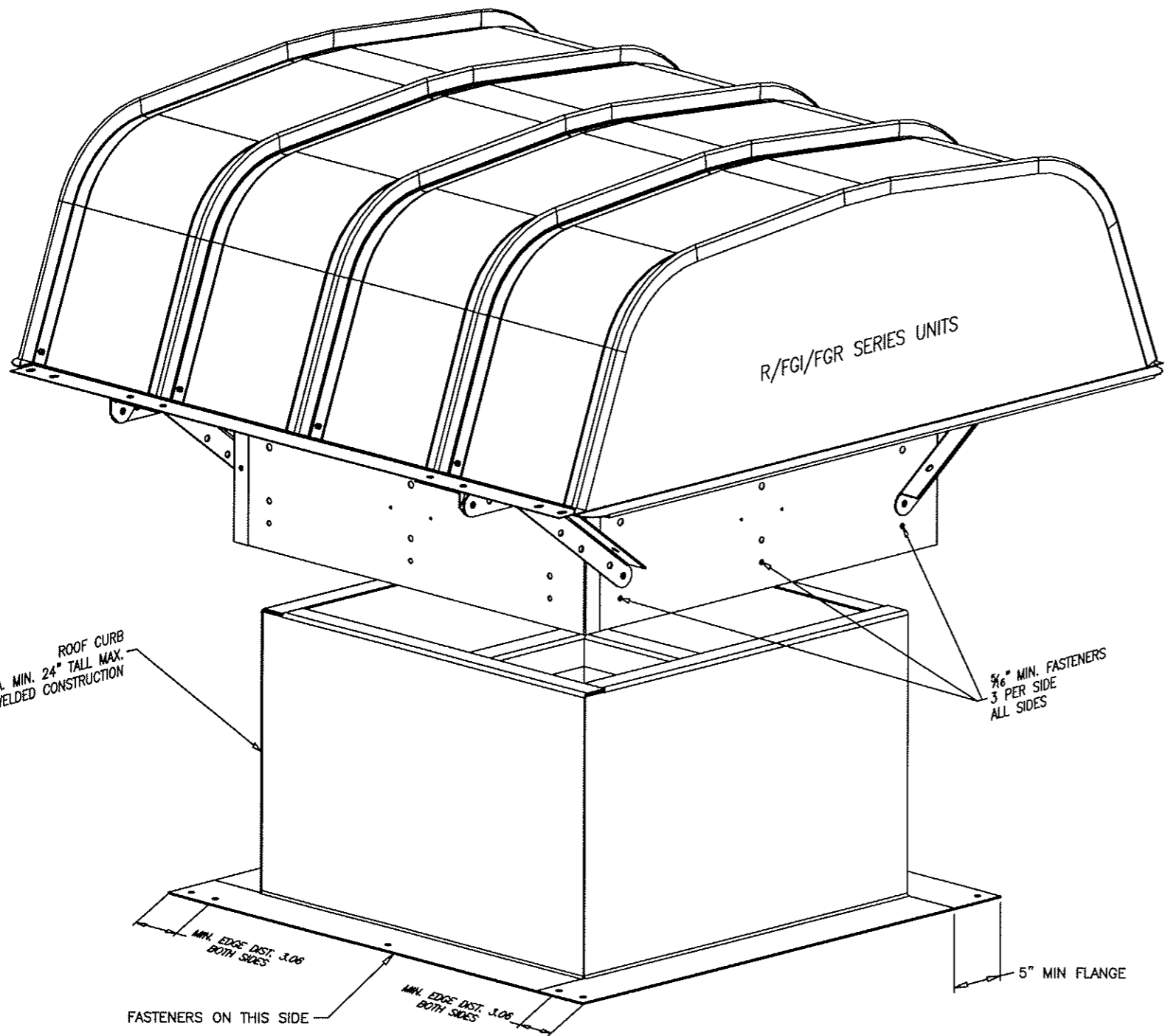
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	YAKLOVICH 02/05/2009
	FGI & FGR SHEET 6 OF 7
1/4.5 HR2006	

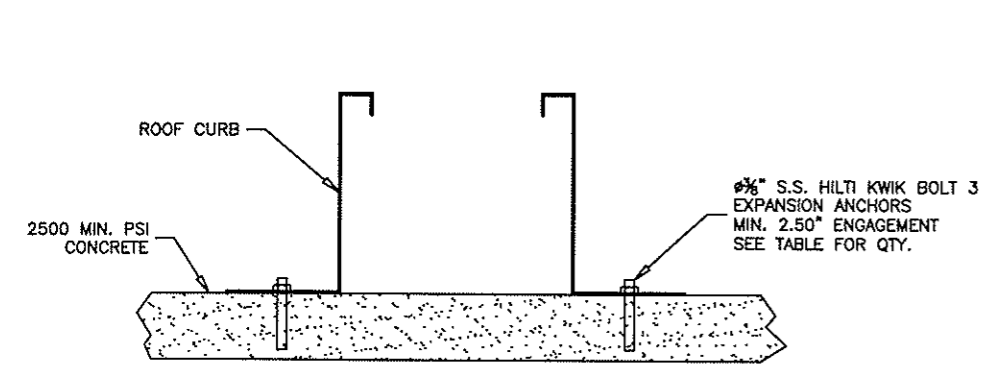


UNIT SIZE	CONCRETE ANCHORING NO. OF FASTENERS PER SIDE	STEEL DECK ANCHORING NO. OF FASTENERS PER SIDE	TIMBER ANCHORING NO. OF FASTENERS PER SIDE
18	2	2	2
20	2	2	2
24	2	2	3
30	3	3	4
36	3	3	4
42	3	4	5

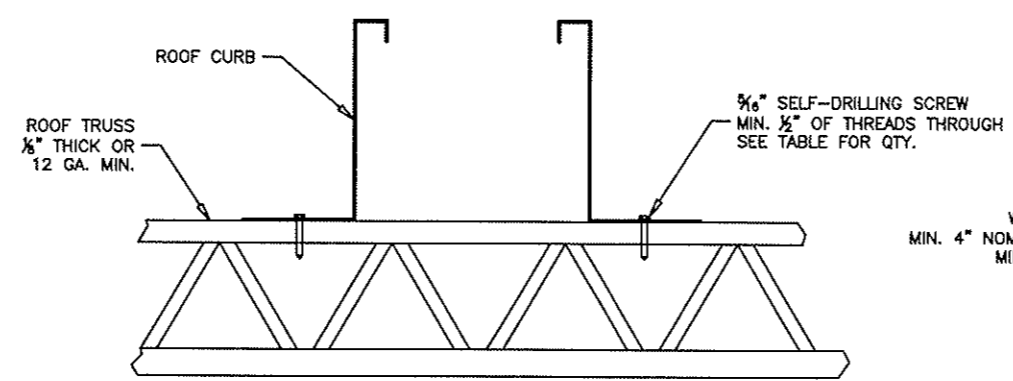
NOTE: FASTENERS REQUIRED ONLY ON TWO OPPOSITE SIDES OF CURB.

THROAT SIZE (LARGEST DIM.)	CONCRETE ANCHORING NO. OF FASTENERS PER SIDE	STEEL DECK ANCHORING NO. OF FASTENERS PER SIDE	TIMBER ANCHORING NO. OF FASTENERS PER SIDE
≤ 24	2	2	2
≤ 48	2	3	3
≤ 54	3	3	4
≤ 66	3	4	5

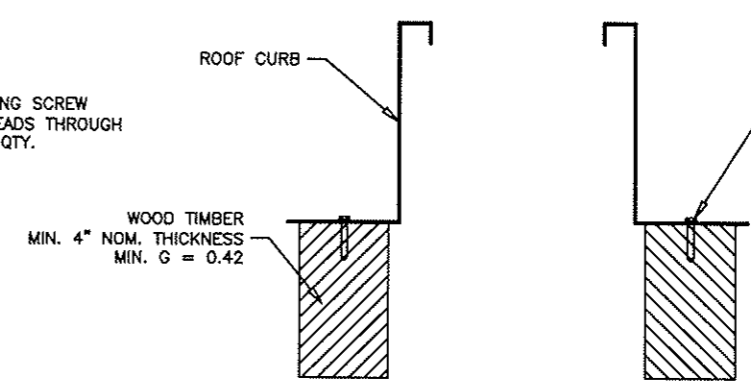
NOTE: FASTENERS REQUIRED ONLY ON TWO OPPOSITE SIDES OF CURB. FASTEN ON LONGER SIDES OF CURB IF RECTANGULAR.



CONCRETE DECK ANCHORING



STEEL ANCHORING

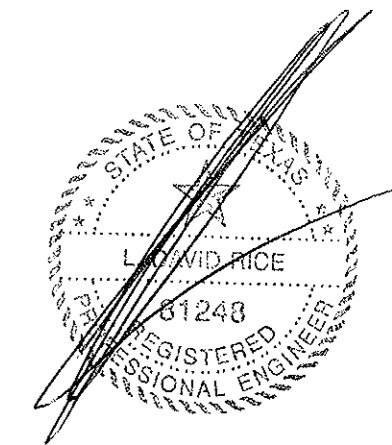


TIMBER ANCHORING

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ENGINEERING

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AUG 15 2012

	YAKLOVICH 03/09/2009
	1/4.5 HR2007
R SERIES, FGI/FGR CURB MOUNTING SHEET 7 OF 7	