



**DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy**

**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 and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: Models FGI, FGR and R-Series Steel/Aluminum Rooftop Fans

APPROVAL DOCUMENT: Drawing No. HR2001 to HR2007, titled "R Series Units, FGI and FGR", sheets 1 through 7 of 7, dated 02/24/09, 02/03/09, 02/05/09 and 03/09/09, prepared by Greenheck Fan Corporation, signed and sealed by L. David Rice, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

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, model/series, 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 renews NOA # 09-0511.03 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.



[Handwritten Signature]
07/24/2014

NOA No. 14-0513.10
Expiration Date: July 08, 2019
Approval Date: July 31, 2014
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS *"Submitted under NOA# 09-0511.03"*

1. Drawing No. **HR2001** to **HR2007**, titled "R Series Units, FGI and FGR", sheets 1 through 7 of 7, dated 02/24/2009, 02/03/09, 02/05/2009 and 03/09/2009, prepared by Greenheck Fan Corporation, signed and sealed by L. David Rice, P.E.

B. TESTS *"Submitted under NOA# 09-0511.03"*

1. Test report on 1) Uniform Static Air Pressure Test per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94,
3) Cyclic Wind Pressure Test per FBC, TAS 203-94,
along with marked-up drawings and installation diagram of Galvanized Steel R-Series Hooded Rooftop Ventilating Fans, prepared by Architectural Testing, Inc., Test Report No. **88031.01-602-18**, dated 03/20/2009, signed and sealed by Joseph A. Reed, P.E.
2. Test report on 1) Uniform Static Air Pressure Test per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94,
3) Cyclic Wind Pressure Test per FBC, TAS 203-94,
along with marked-up drawings and installation diagram of Aluminum R-Series Hooded Rooftop Ventilating Fans, prepared by Architectural Testing, Inc., Test Report No. **88800.01-602-18**, dated 03/20/2009, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS *"Submitted under NOA# 09-0511.03"*

1. Anchoring verification calculations, prepared by Rice Engineering, dated 04/30/2009, signed and sealed by L. David Rice, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

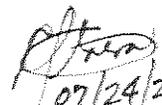
1. None.

F. STATEMENTS

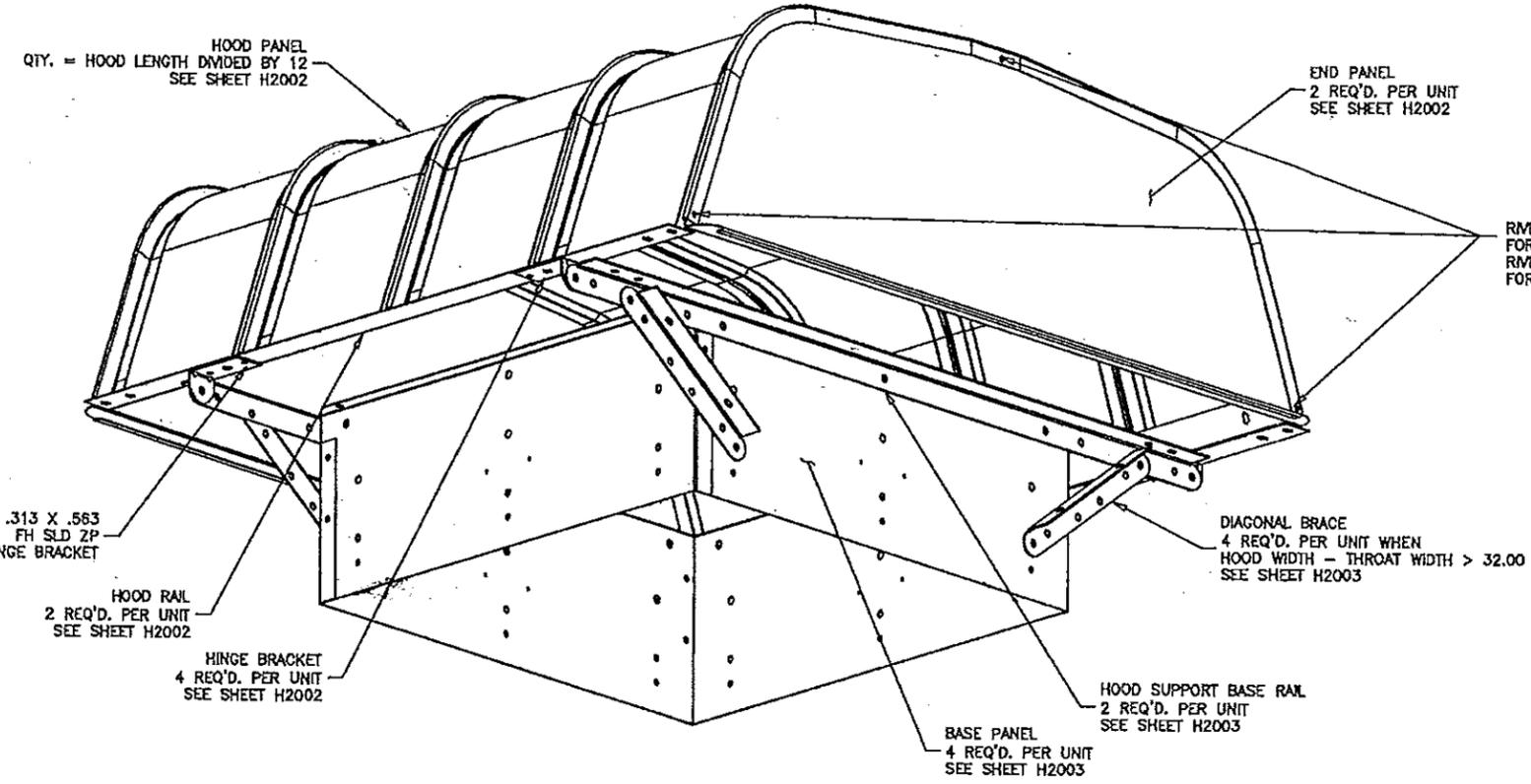
1. Statement letter of code conformance to 2010 FBC issued by Rice Engineering, dated 04/30/2014, signed and sealed by L. David Rice, P.E.

"Submitted under NOA# 09-0511.03"

2. No financial interest letter issued by Rice Engineering, dated 04/28/2009, signed and sealed by L. David Rice, P.E.


07/24/2014

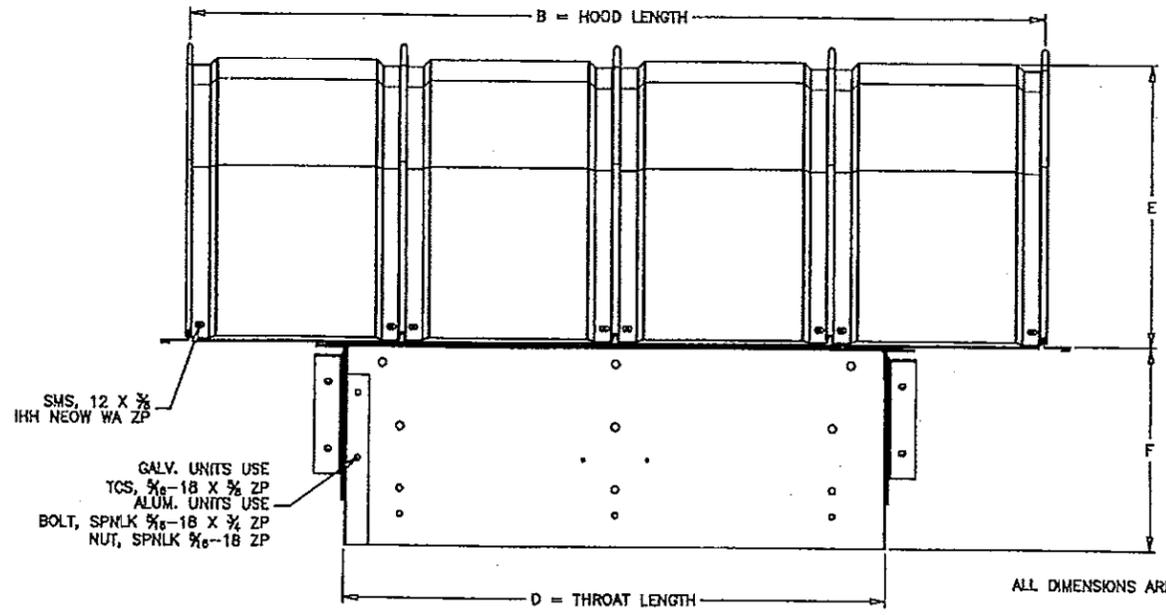
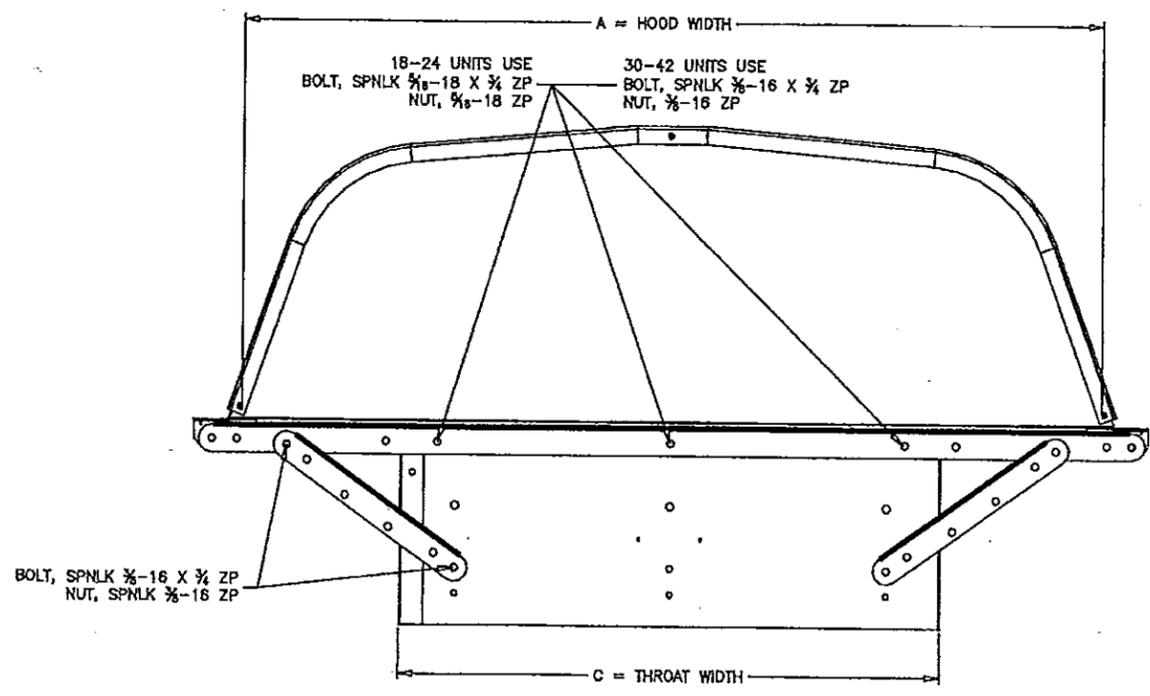
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 14-0513.10
Expiration Date: July 08, 2019
Approval Date: July 31, 2014



- NOTES:
1. MODELS RE, RS, RCE, RCS, RBE, RBS, RBF, RBCE, RBCS, RBCF, RPDR, RPBR, RPDRF AND RPBRF 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.

UNIT SIZE	STANDARD HOOD A		FILTERED HOOD A		STANDARD HOOD B		FILTERED HOOD B		C	D	E	F	APPROX. WEIGHT (LBS.)	
	STANDARD HOOD A	FILTERED HOOD A	STANDARD HOOD B	FILTERED HOOD B	STEEL	ALUMINUM								
18	44.00		48.00		28.25	28.25	13.00	10.00					185	180
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													
UNIT SIZE	STANDARD HOOD A	FILTERED HOOD A	STANDARD HOOD B	FILTERED HOOD B	C	D	E	F	STEEL	ALUMINUM			
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	24.50	18.50	465	395			



ALL DIMENSIONS ARE IN INCHES

APR 28 2009

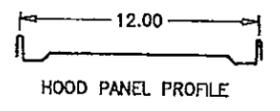
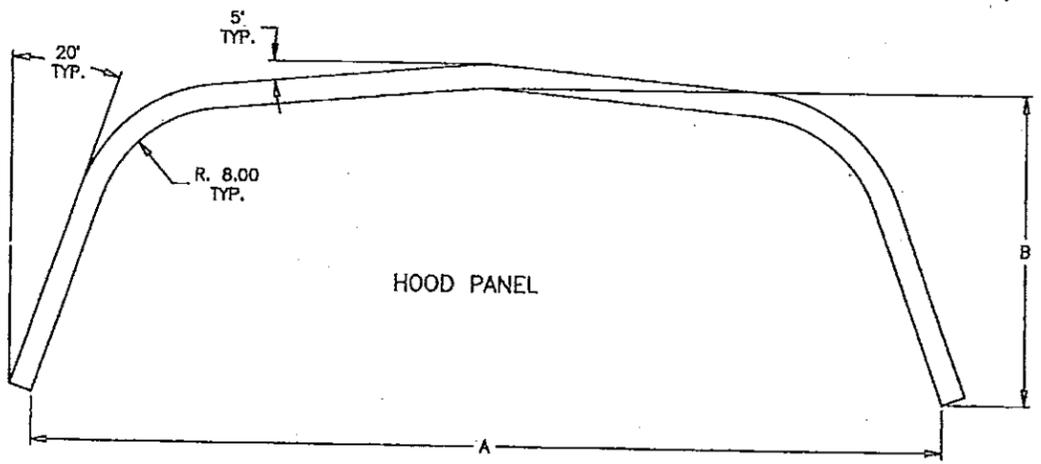
RICE
ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone: 920.845.1042
Fax: 920.845.1048
www.rice-inc.com

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

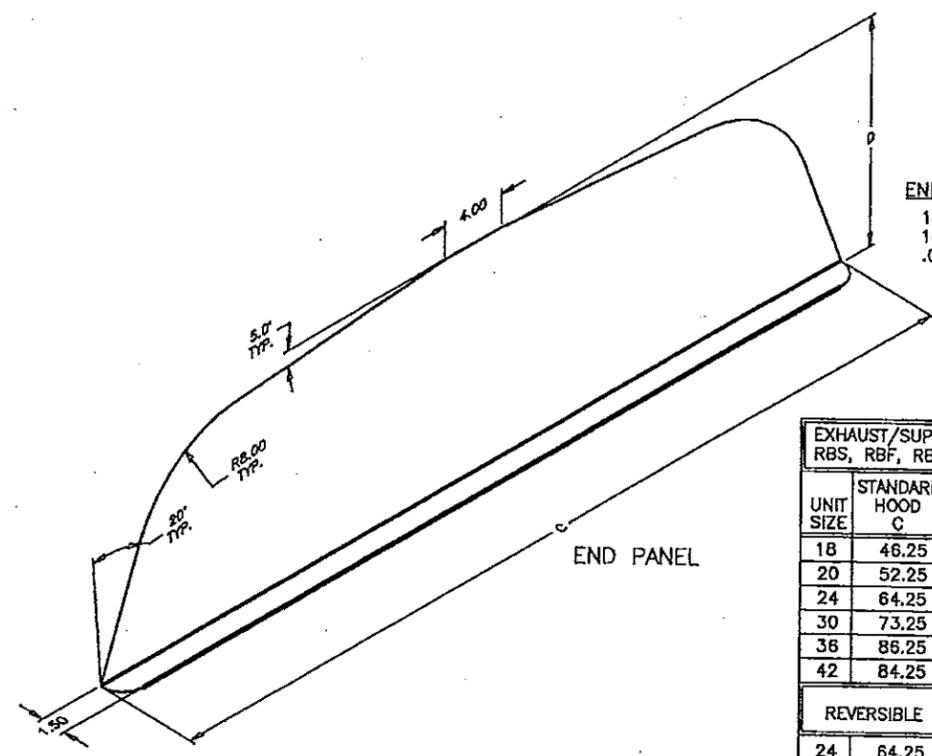
PRODUCT RENEWED
re complying with the Florida
Building Code
Acceptance No 14-0513.10
Expiration Date 07/08/2019
By *[Signature]*
Miami Dade Product Control

Approved as complying with the
Florida Building Code
Date 07/08/2009
N/A# 07-0577.03
Miami Dade Product Control
Division
By *[Signature]*

GREENHECK MADE IN THE U.S.A.	YAKLOVICH	DATE
	02/24/2009	
R SERIES UNITS SHEET 1 OF 7		1/4.5
		HR2001



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



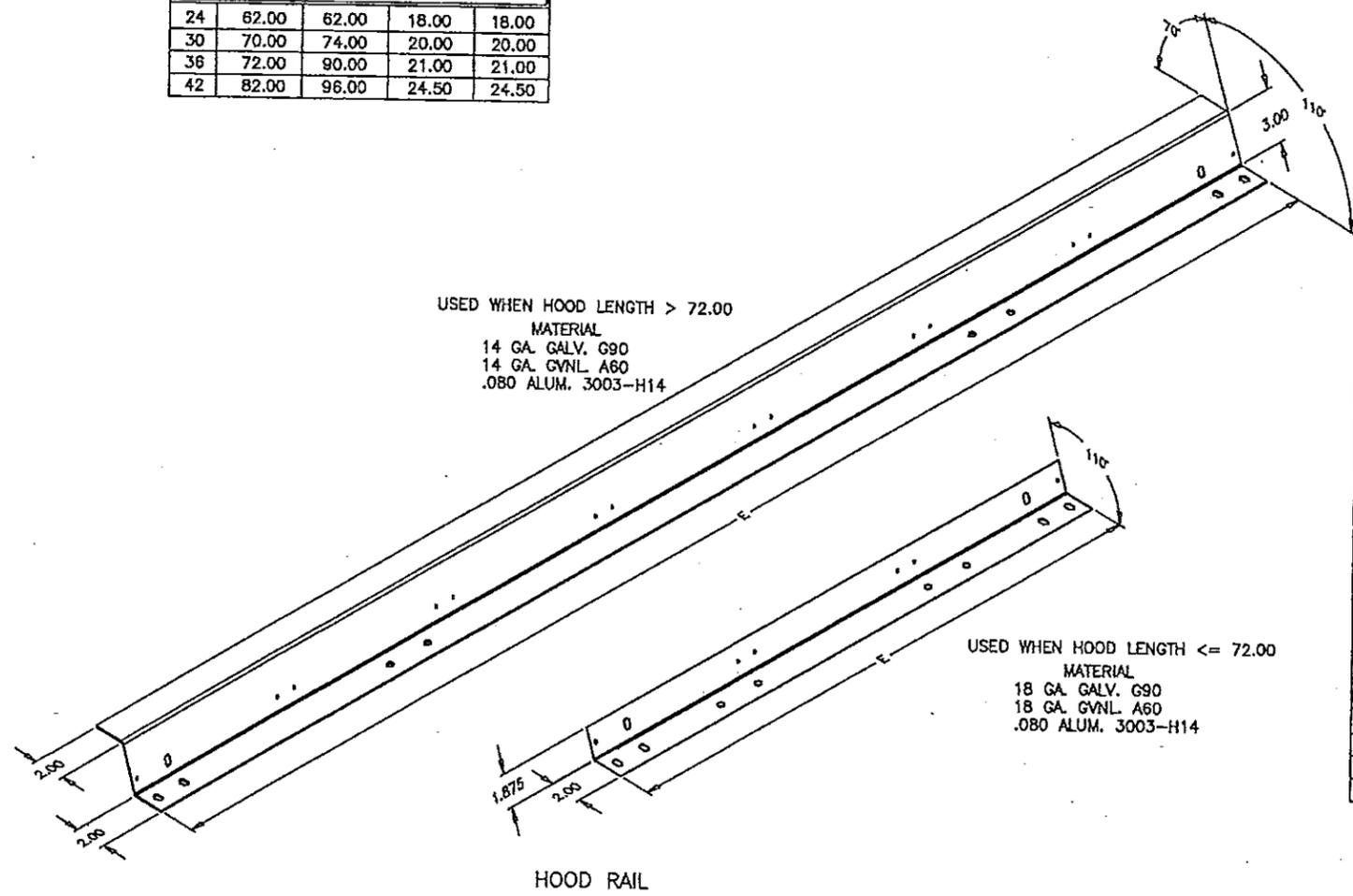
END PANEL MATERIAL
 18 GA. GALV. G90
 18 GA. GVNL. A60
 .063 AL. 1100-H14

EXHAUST/SUPPLY RE, RS, RCE, RCS, RBE, RBS, RBF, RBCE, RBCE, RBCE, 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, RBCE, RBCE, 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

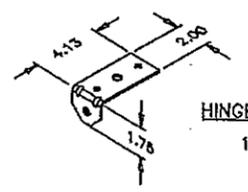


USED WHEN HOOD LENGTH > 72.00
MATERIAL
 14 GA. GALV. G90
 14 GA. GVNL. A60
 .080 ALUM. 3003-H14

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

EXHAUST/SUPPLY RE, RS, RCE, RCS, RBE, RBS, RBF, RBCE, RBCE, RBCE, 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



HINGE BRACKET MATERIAL
 11 GA. GALV. G90

HINGE BRACKET

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 14-0513.10
 Expiration Date 07/08/2019
 By *[Signature]*
 Miami Dade Product Control

Approved as complying with the Florida Building Code
 Date 07/08/2009
 NOA# 09-0511-03
 Miami Dade Product Control Division
 By *[Signature]*

RICE ENGINEERING
 105 School Creek Trail
 Luxemburg, WI 54217
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 Certificate of Authorization: #9090
 L. David Rice
 Registration No: 50923

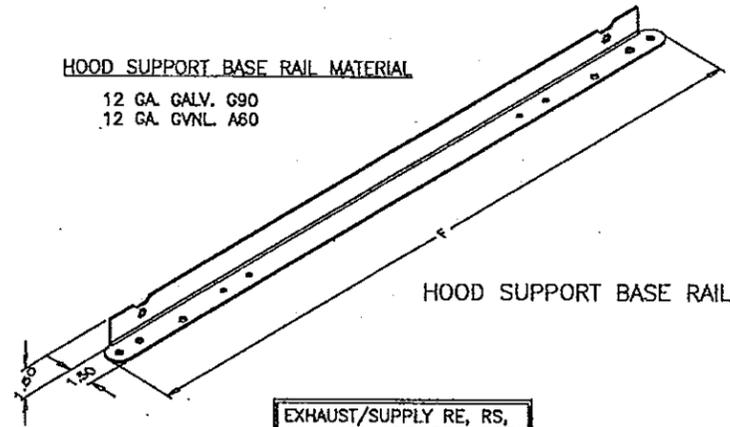
APR 28 2009

ALL DIMENSIONS ARE IN INCHES

GREENHECK FLOOR & WALL SYSTEMS	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



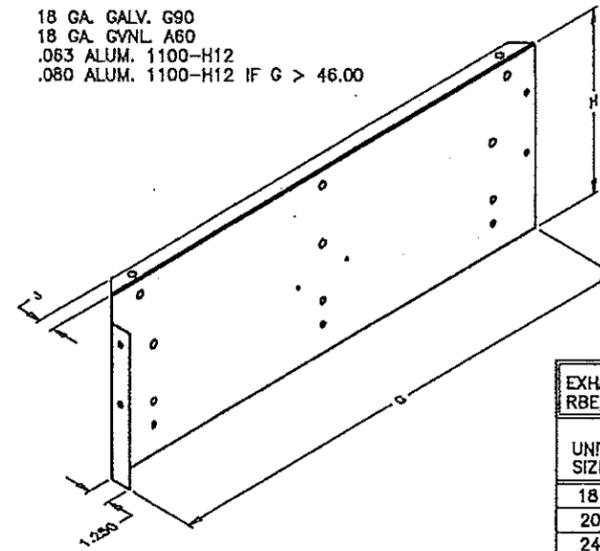
HOOD SUPPORT BASE RAIL

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



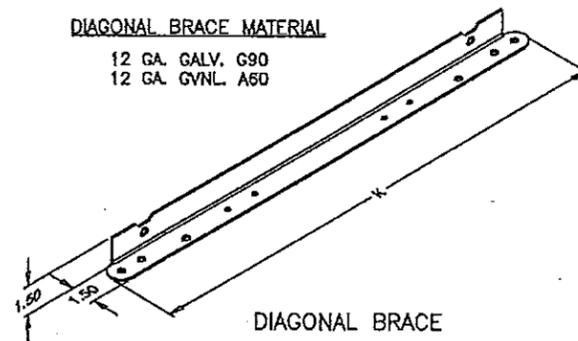
BASE PANEL

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

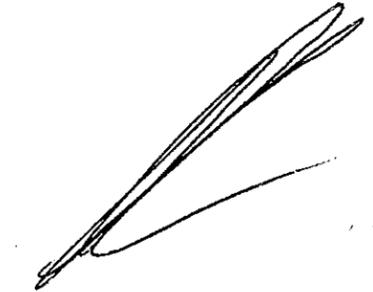


DIAGONAL BRACE

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

APR 28 2009



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

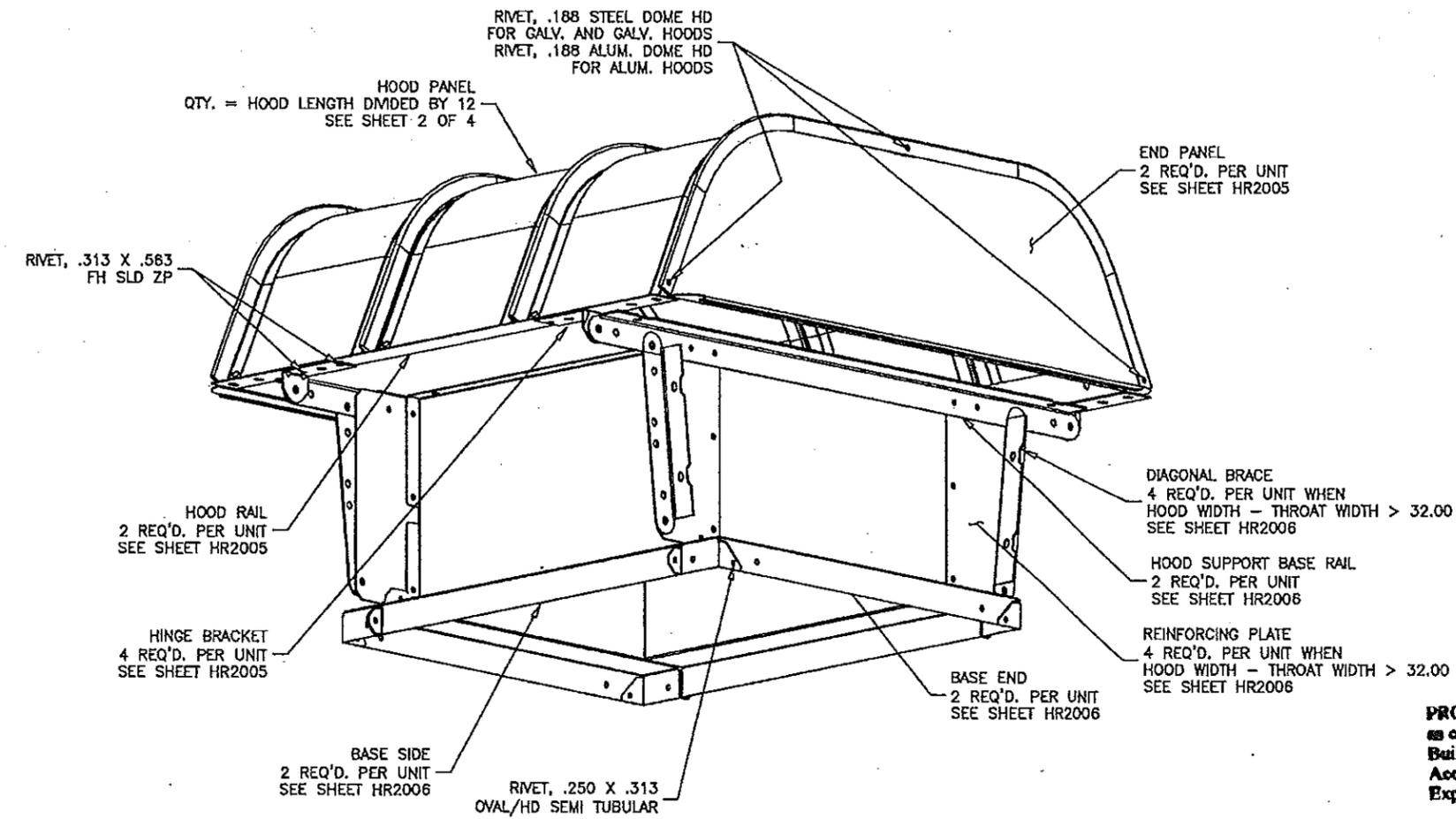
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 14-0513.10
Expiration Date 07/08/2019
By *[Signature]*
Miami Dade Product Control

Approved as complying with the
Florida Building Code
Date 07/08/2009
NOAA 09-0511.03
Miami Dade Product Control
Division
By *[Signature]*

ALL DIMENSIONS ARE IN INCHES

	YAKI OMCHI
	02/24/2009
R SERIES UNITS SHEET 3 OF 7	1/4.5
	HR2003

REVISED	BY	DATE	PK
CREATED HURRICANE RATED DWG.	DFY	02/03/2009	0



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

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 14-0513.10
Expiration Date 07/08/2014
By *[Signature]*
Miami Dade Product Control

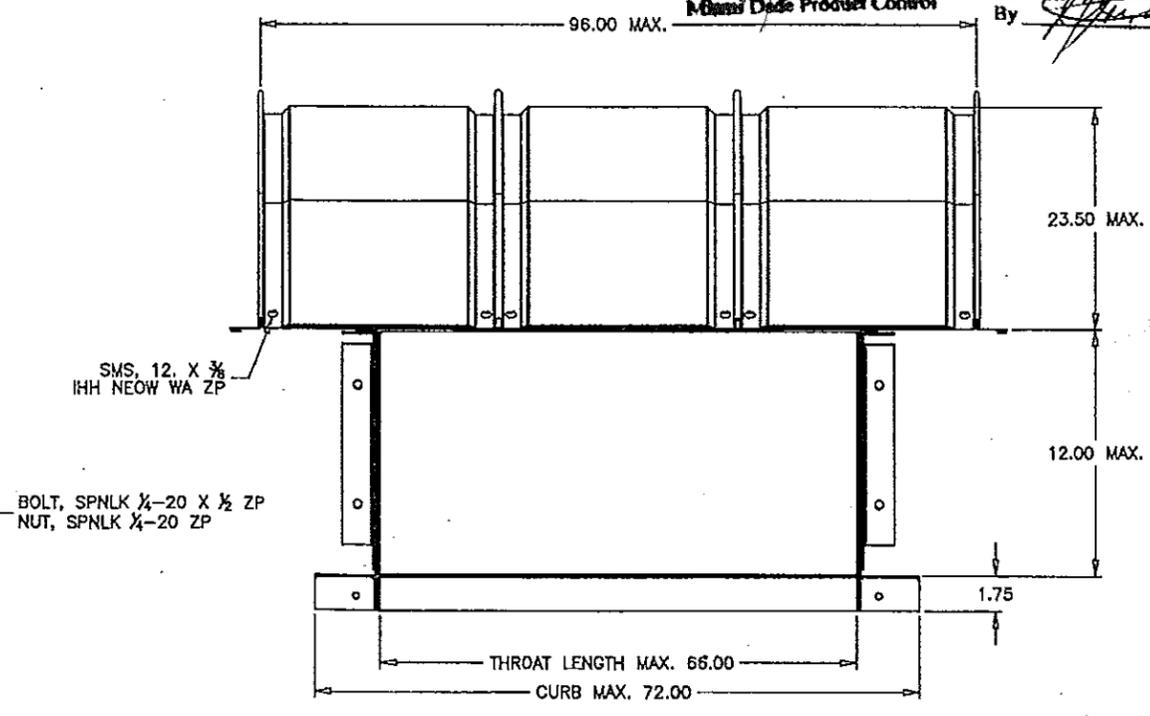
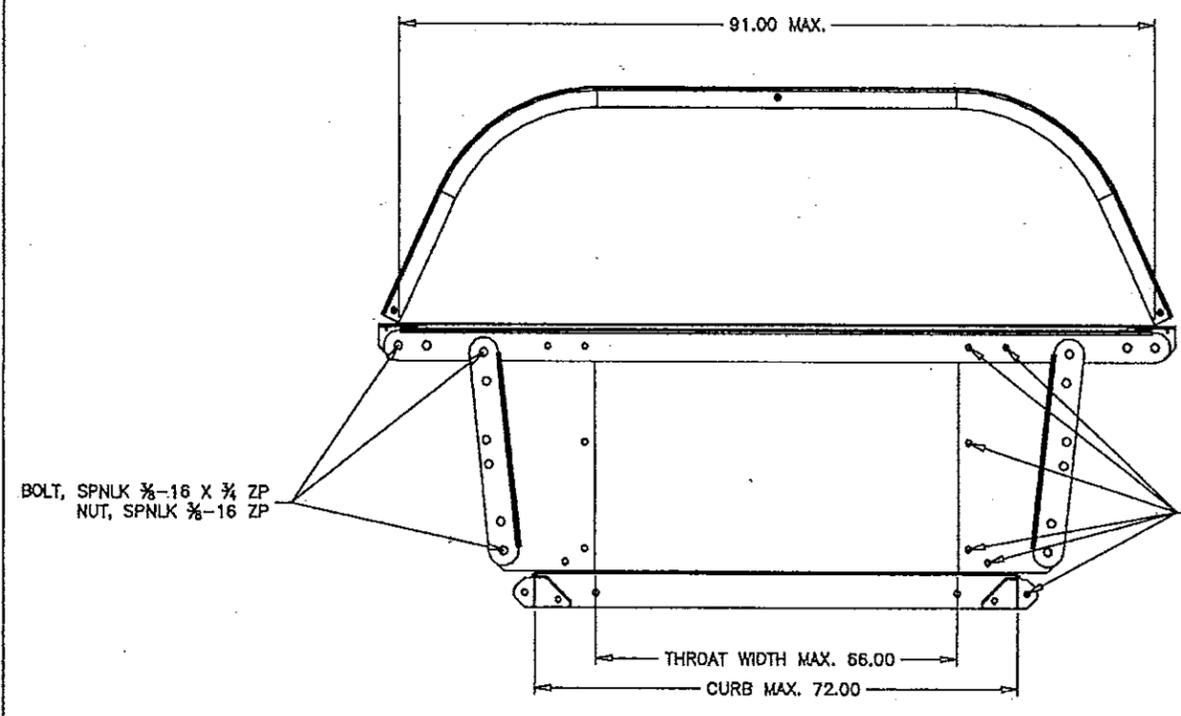
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Date 07/08/2009
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By *[Signature]*

APR 28 2009

[Signature]

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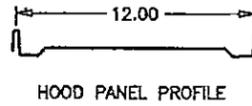
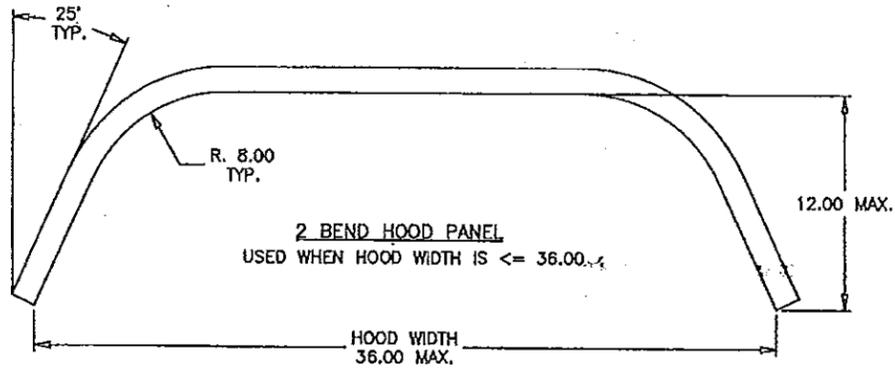
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L. David Rice
Registration No: 50923



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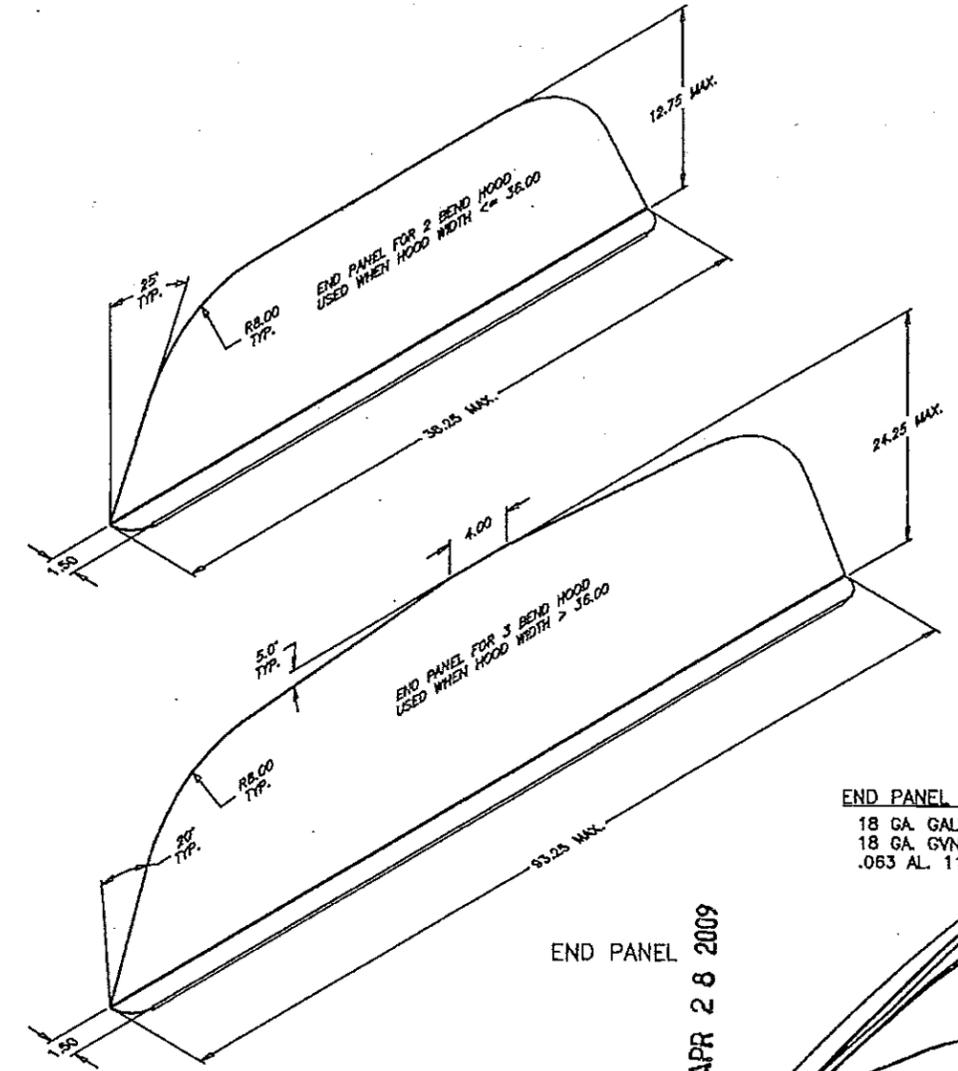
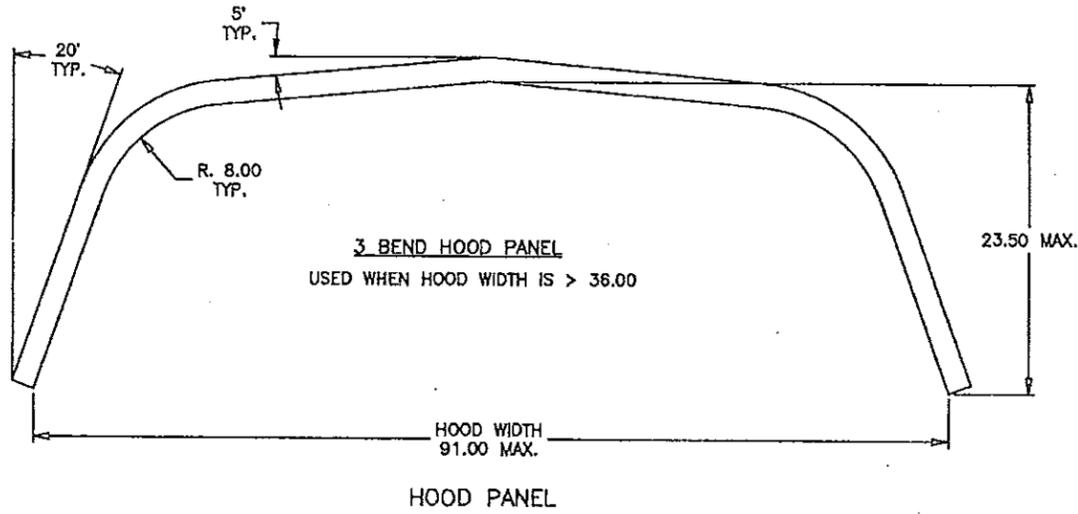
GREENHECK FAN OF EXHAUST, VEHICULAR HOOD-FAN	YAKLOMCH 02/03/2009
FGI & FGR SHEET 4 OF 7	1/4.5
HR2004	

REVISION	NO.	BY	DATE	APP.
CREATED HURRICANE RATED DWG.		DFY	02/03/2009	(D)



HOOD PANEL MATERIAL

22 GA. GALV. G90
22 GA. GVNL. A60
.040 AL. 3003-H14 WHEN THROAT WIDTH ≤ 36.00
.050 AL. 3105-H24 WHEN THROAT WIDTH > 36.00



END PANEL MATERIAL

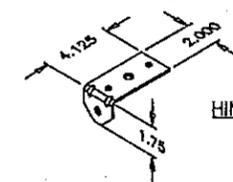
18 GA. GALV. G90
18 GA. GVNL. A60
.063 AL. 1100-H14

APR 28 2009

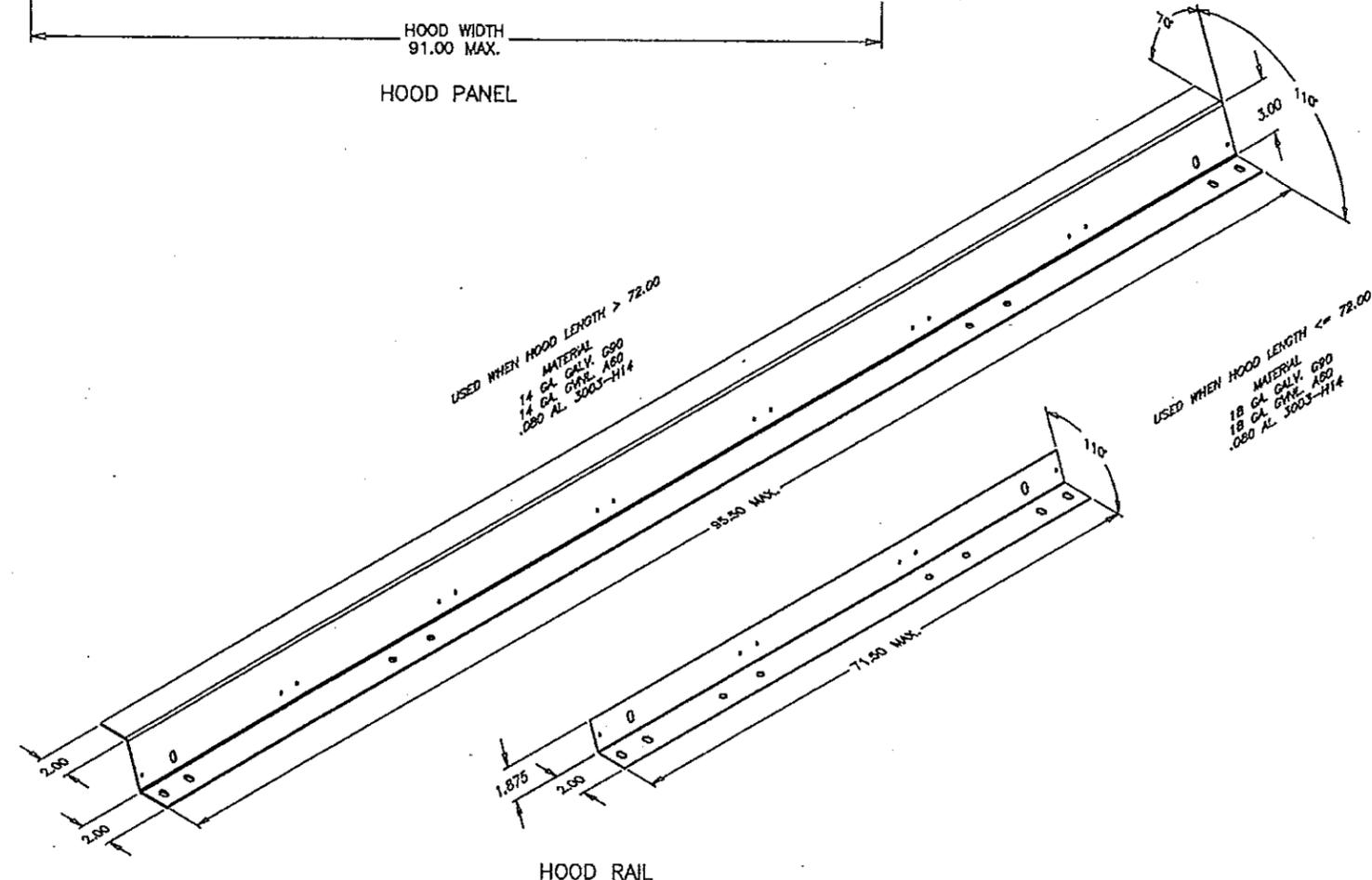
[Signature]

Approved as complying with the Florida Building Code
Date: 07/08/2009
NOA# 09-0511.03
Miami Trade Product Control
Division
By: *[Signature]*

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 14-0513.10
Expiration Date 07/08/2019
By: *[Signature]*
Miami Trade Product Control



HINGE BRACKET MATERIAL
11 GA. GALV. G90



RICE ENGINEERING

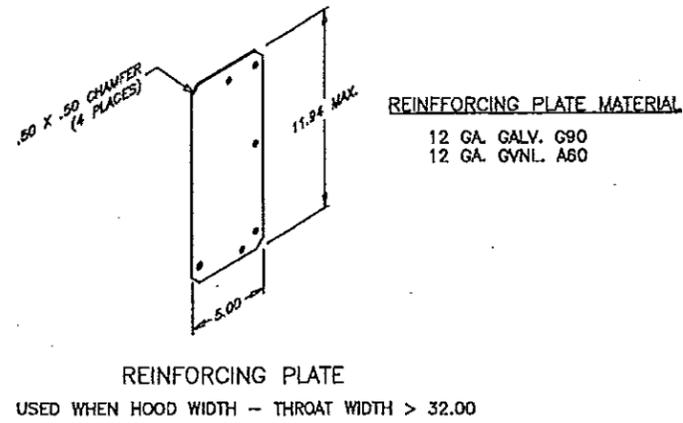
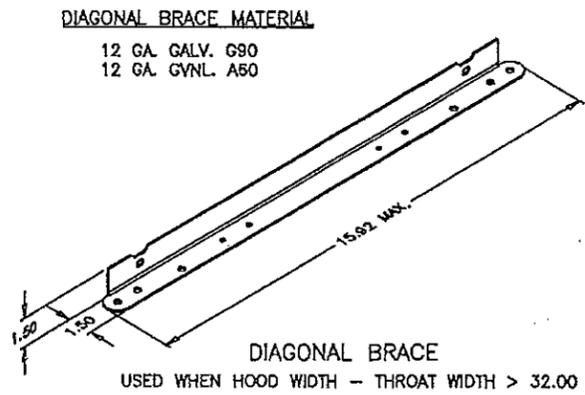
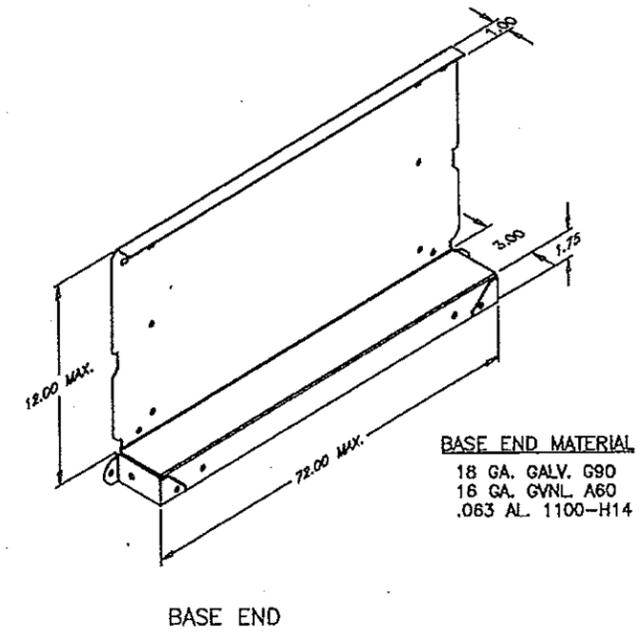
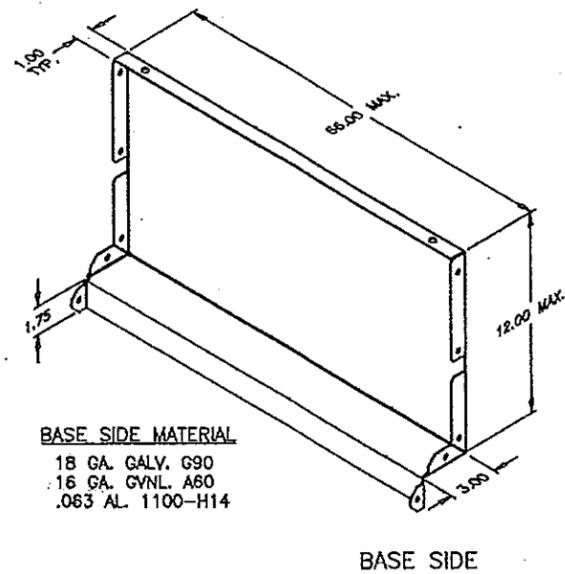
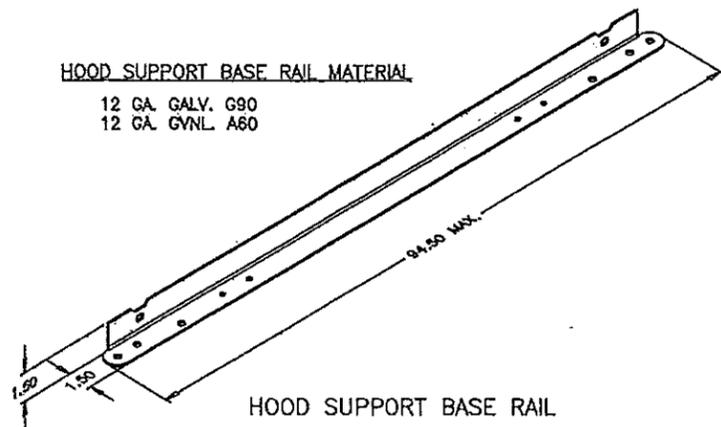
105 School Creek Trail
Luxemburg, WI 54217
Phone: 920.845.1042
Fax: 920.845.1048
www.rice-inc.com

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

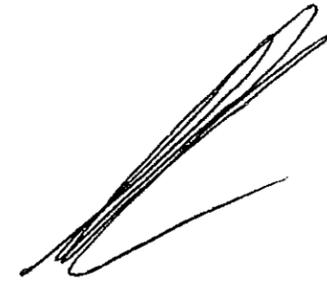
ALL DIMENSIONS ARE IN INCHES

	YAKLOVICH
	02/03/2009
FGI & FGR SHEET 5 OF 7	1/4" = 1"
	HR2005

REVISION	BY	DATE	SYM
CREATED HURRICANE RATED DWG.	DFY	03/05/2009	(D)



APR 26 2009



RICE
ENGINEERING

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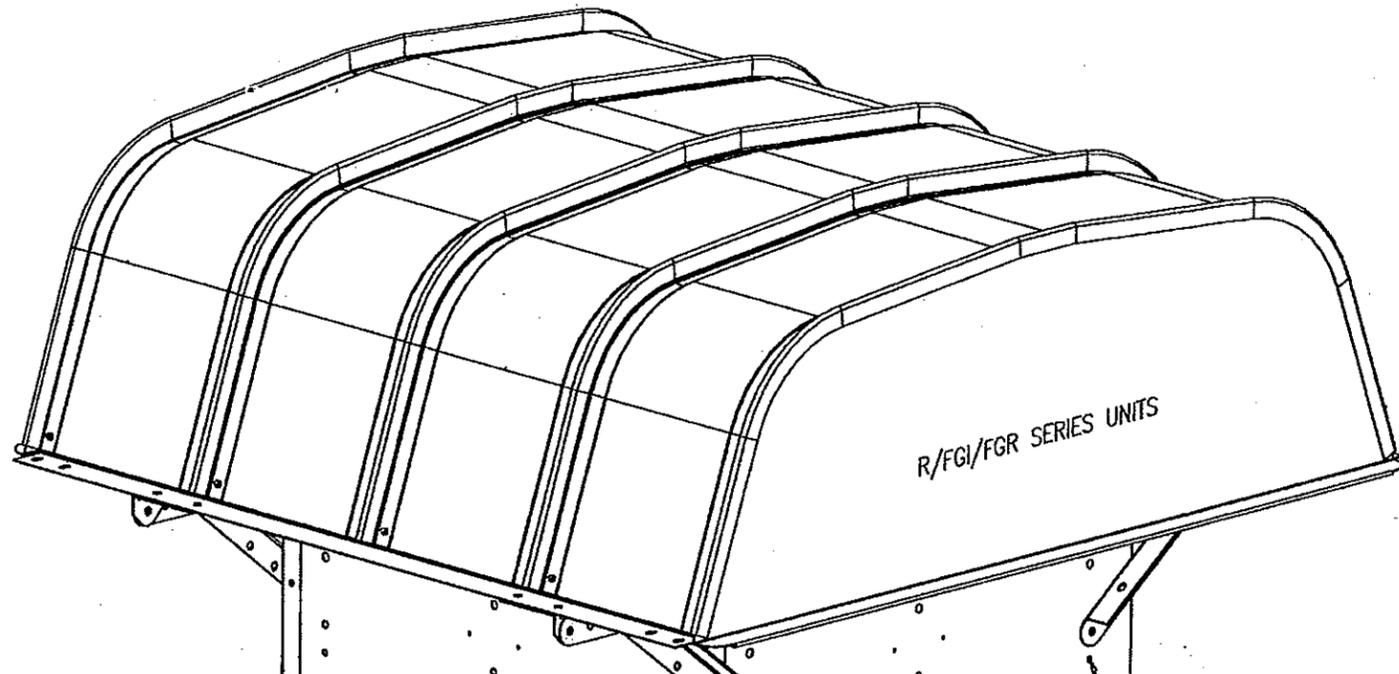
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

Approved as complying with the
Florida Building Code
Date 07/08/2009
NOA# 09-0511.03
Miami Dade Product Control
Division
By [Signature]

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 14-0513.10
Expiration Date 07/08/2019
By [Signature]
Miami Dade Product Control

ALL DIMENSIONS ARE IN INCHES

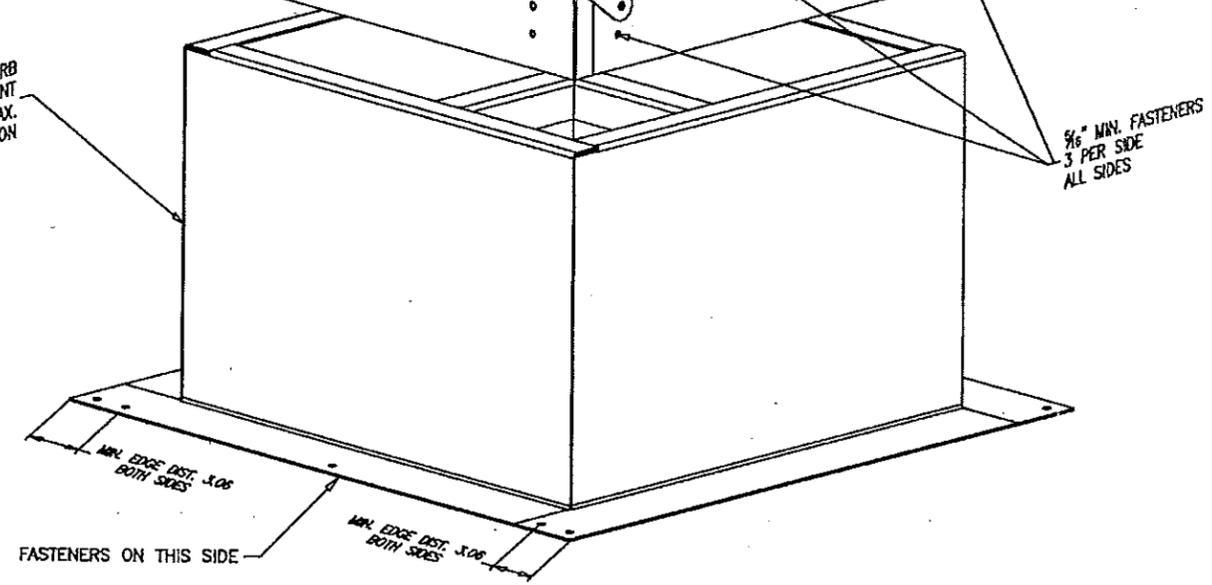
	YAKLOVICH
	02/05/2009
FGI & FGR SHEET 6 OF 7	1/4.5
	HR2006



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.

ROOF CURB
MODEL SD, SDP, GPF OR EQUIVALENT
18" CK. MIN. 24" TALL MAX.
WELDED CONSTRUCTION



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.

RICE ENGINEERING

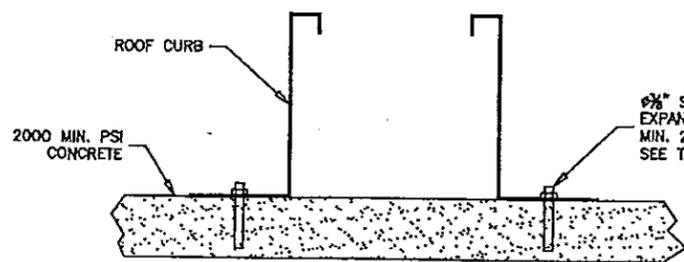
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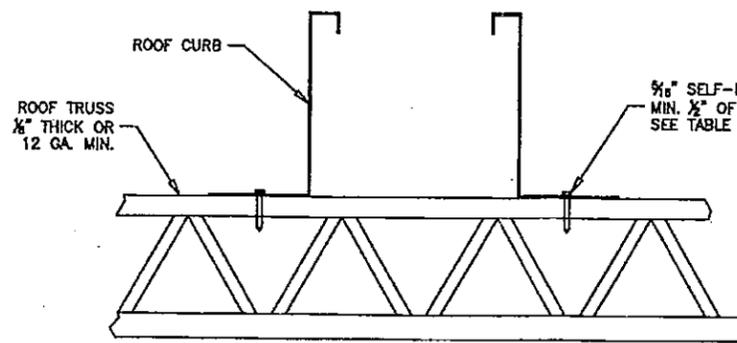
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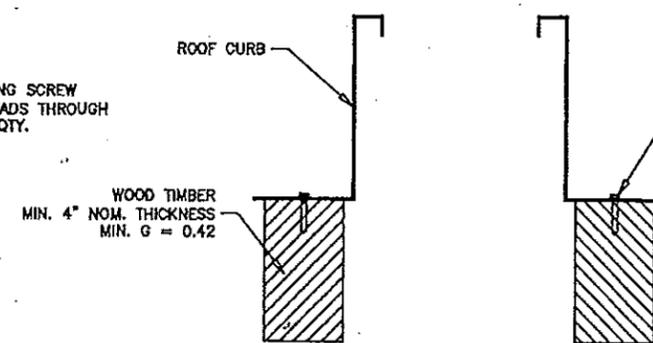
JUN 04 2009



CONCRETE DECK ANCHORING



STEEL ANCHORING



TIMBER ANCHORING

GREENHECK
YAKLOVICH
03/09/2009
R SERIES, FGI/FGR
CURB MOUNTING
SHEET 7 OF 7
1/45
HR2007