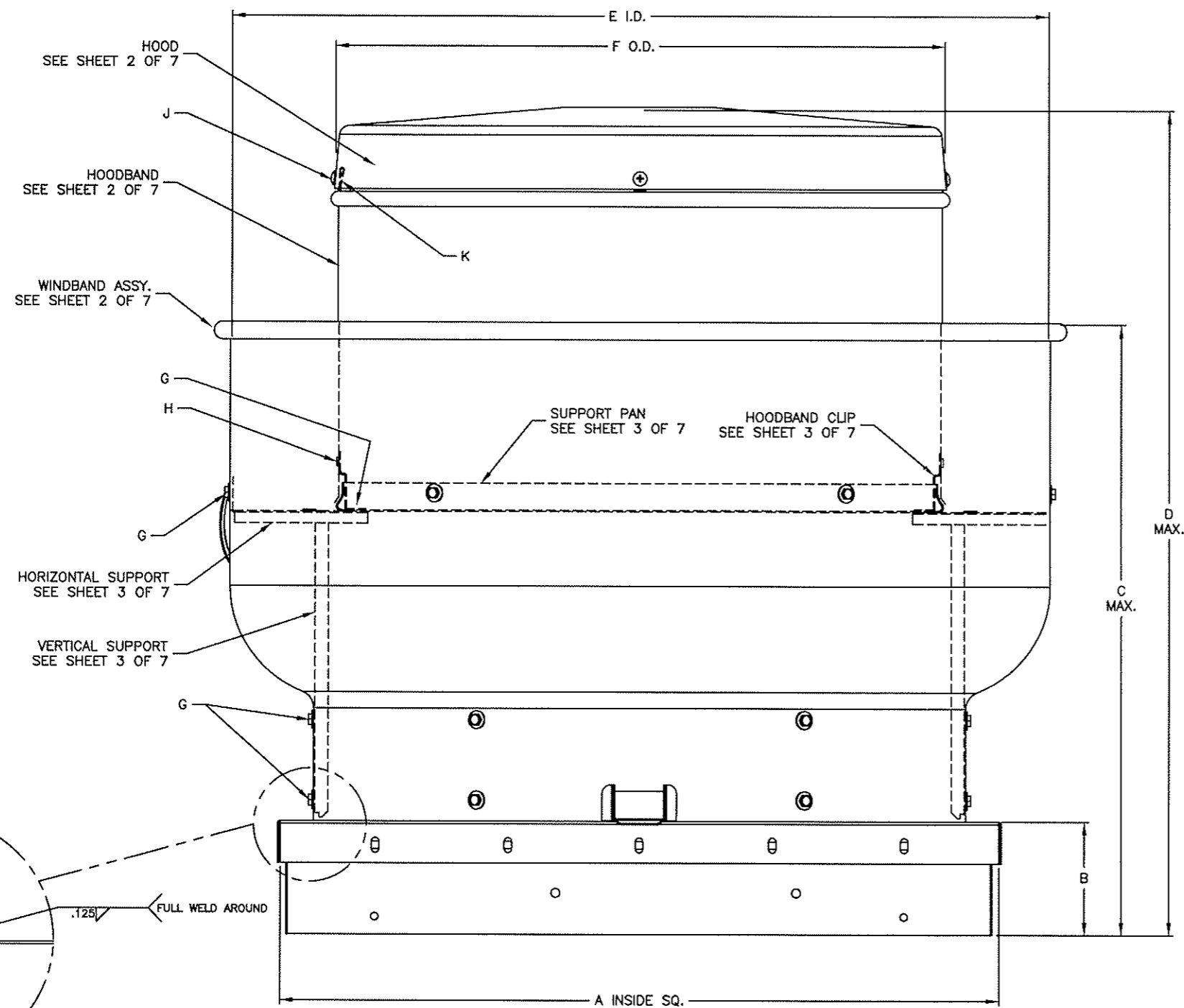


MODEL	FASTENER G		FASTENER H		FASTENER J		FASTENER K	
	QTY.	DESCRIPTION	QTY.	DESCRIPTION	QTY.	DESCRIPTION	QTY.	DESCRIPTION
USGF-140/HP USGF-160/HP/XP	16 EA.	TCS 1/4"-20 X 3/4" DACROMET COATED	4	RIVET, 1/4 X 5/16 SEMI TUBULAR 5052 ALUM.	4	SCREW, 1/4"-20 X 5/8" 18-8/SS	4	PAL NUT, 1/4"-20 SPRING STEEL
USGF-180/HP USGF-200/HP	24 EA.		6					

DESIGN LIMITS USGF-140/HP AND USGF-160/HP/XP	
Max: Design Load:	±130 psf (6.2 Kpa)
Max: Overall Enclosure Dia.	28.95 in. (735 mm)
Max: Overall Unit Height W/CURB	53.00 in. (1130 mm)
Max: Overall Unit Height W/O CURB	29.00 in. (737 mm)
Max: CURB CAP SQ. DIM.:	26.00 in. (660 mm)
Max: ROOF CURB SQ. DIM.:	24.75 in. (629 mm)
Max: ROOF CURB HEIGHT:	24.00 in. (610 mm)
QUALIFIED SUBSTRATES	3000 psi Concrete, 1/8" Steel

DESIGN LIMITS USGF-180/HP AND USGF-200/HP	
Max: Design Load:	±130 psf (6.2 Kpa)
Max: Overall Enclosure Dia.	35.45 in. (900 mm)
Max: Overall Unit Height W/CURB	56.85 in. (951 mm)
Max: Overall Unit Height W/O CURB	32.85 in. (834 mm)
Max: CURB CAP SQ. DIM.:	30.00 in. (762 mm)
Max: ROOF CURB SQ. DIM.:	28.75 in. (730 mm)
Max: ROOF CURB HEIGHT:	24.00 in. (610 mm)
QUALIFIED SUBSTRATES	3000 psi Concrete, 1/8" Steel



ALL DIMENSIONS ARE IN INCHES

MODEL	A	B	C	D	E	F	WEIGHT LBS.
USGF-140/HP	26.00	3.75	23.35	33.75	27.70	21.00	84
USGF-160/HP/XP	26.00	1.75	20.35	32.20	27.70	21.00	87
USGF-180/HP	30.00	1.75	22.72	33.75	34.20	25.20	126
USGF-200/HP	30.00	1.75	22.72	33.75	34.20	25.20	142

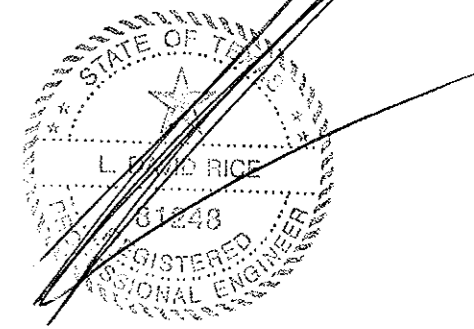
NOTES:

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 AISC MANUAL OF STEEL CONSTRUCTION AND ALUMINUM DESIGN MANUAL.
3. FAN CURBS MUST BE ANCHORED TO ROOF FRAMING MEMBERS AND NOT TO THE ROOFING SYSTEM.
4. 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
5. THIS APPROVAL IS FOR THE STRUCTURAL PERFORMANCE AND IMPACT RESISTANCE ONLY. INTERIOR MECHANISM AND/OR ELECTRICAL CIRCUITRY ARE OUTSIDE THE SCOPE OF THIS APPROVAL.

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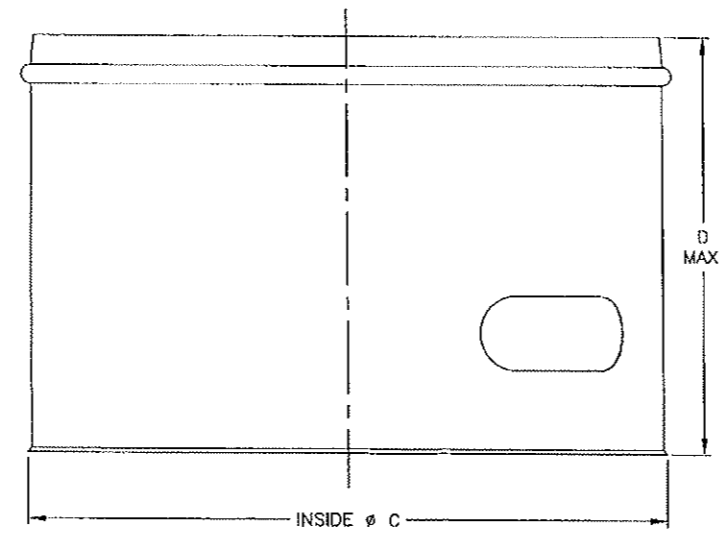
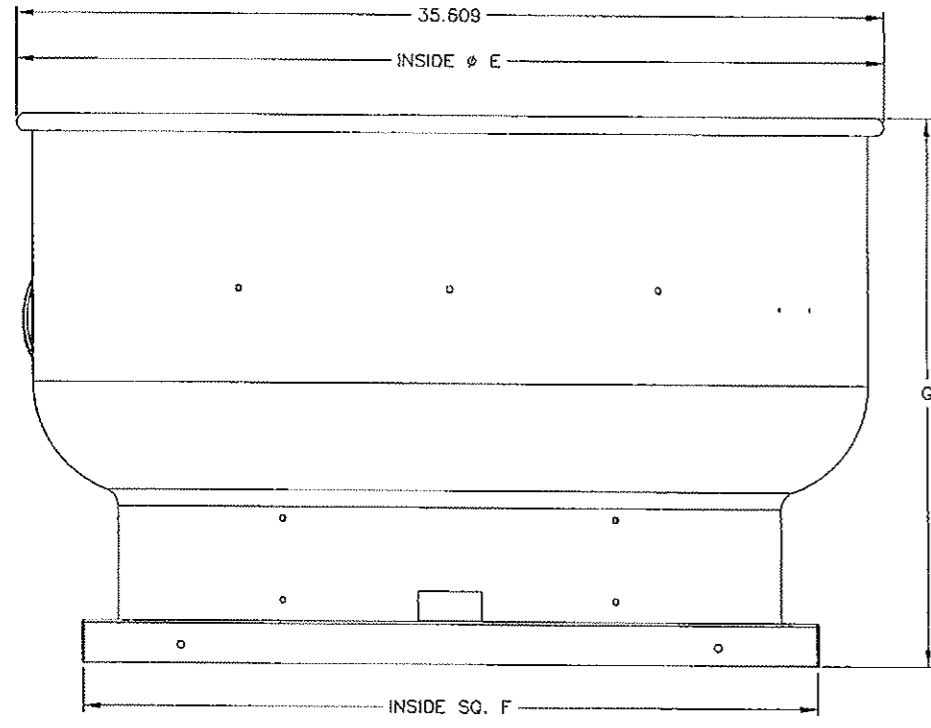
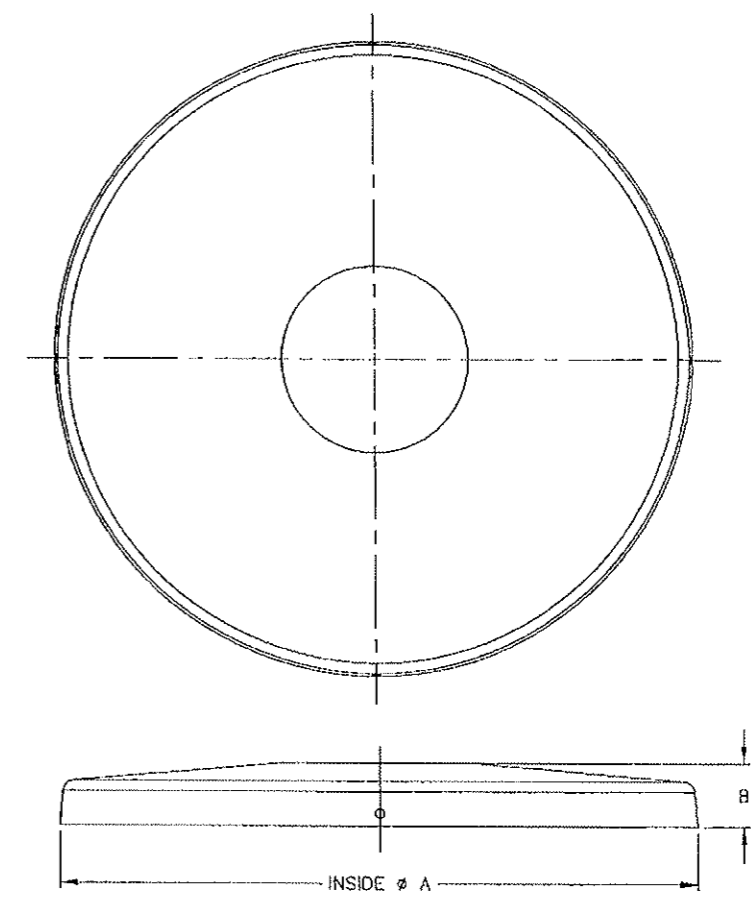
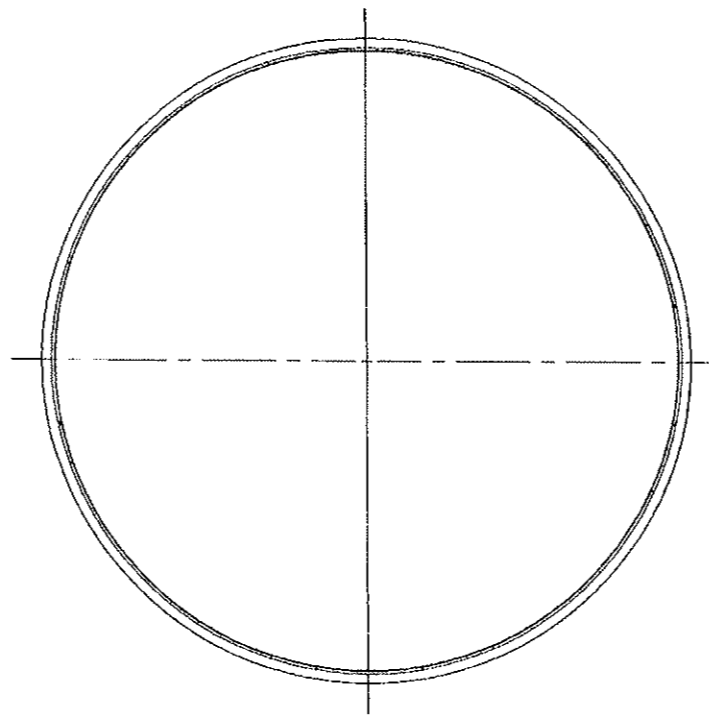
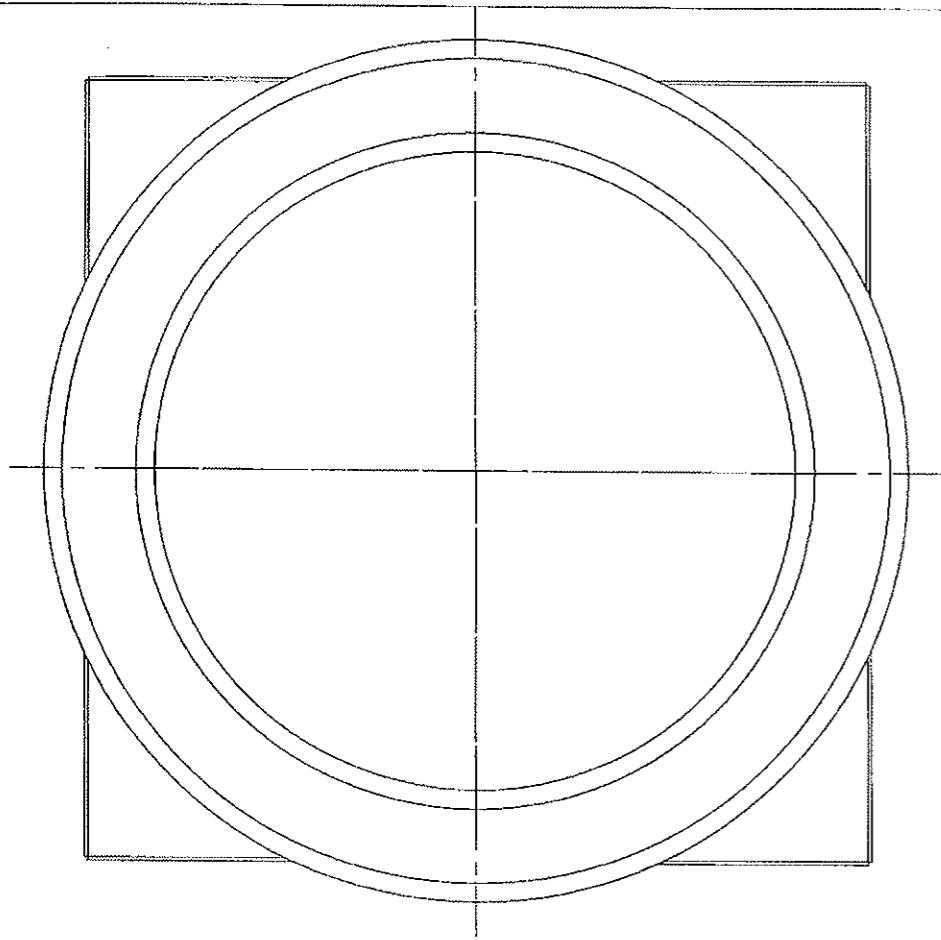
Texas Firm No: F-2183  
L. David Rice  
Registration No: 81248



AUG 15 2012

WINDBAND TO CURB CAP CONNECTION  
TYP. ALL MODELS

	DATE: 03/30/2012 DRAWN BY: PEEIFFER CHECKED BY: PEEIFFER SCALE: 1/3 SHEET NO: 1 OF 5	PROJECT: USGF-140/HP USGF-160/HP/XP USGF-180/HP USGF-200/HP
	HSS5001	



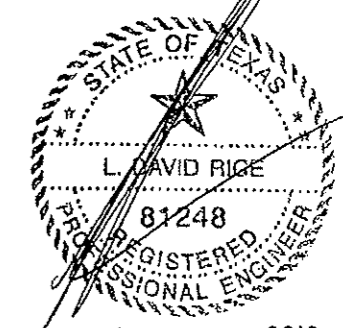
**HOOD**  
1 REQ'D. PER UNIT

MODEL	A	B	MATERIAL
USGF-140/HP-160/HP/XP	21.24	2.13	16GA. CRDS
USGF-180/HP-200/HP	25.20	3.00	16GA. CRDS

**HOUSING ASSY.**  
1 REQ'D. PER UNIT

**HOODBAND**  
1 REQ'D. PER UNIT

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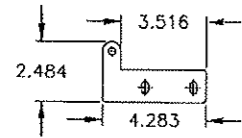
JUN 14 2012

ALL DIMENSIONS ARE IN INCHES

MODEL	E	F	G	MATERIAL
USGF-140/HP-160/HP/XP	27.70	26.00	20.35	16GA. CRDS
USGF-180/HP-200/HP	34.20	30.00	22.75	16GA. CRDS

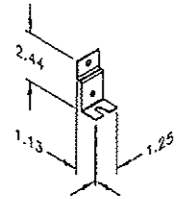
MODEL	C	D	MATERIAL
USGF-140/HP-160/HP/XP	20.94	17.00	16GA. CRCS
USGF-180/HP-200/HP	25.00	19.00	16GA. CRCS

	DATE: 05/30/2012 TIME: 11:45 AM DRAWN BY: PFEFFER CHECKED BY: PFEFFER SCALE: 1/4" = 1"
	USGF-140 THRU 200 SHEET 2 OF 5
HSS5002	



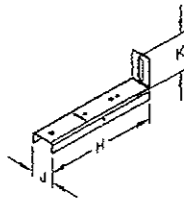
HINGE BRACKET

MODEL	QTY.	MATERIAL
USGF-140/HP-160/HP/XP	4	.190 1100-H14 ALUMINUM
USGF-180/HP-200/HP	4	.190 1100-H14 ALUMINUM



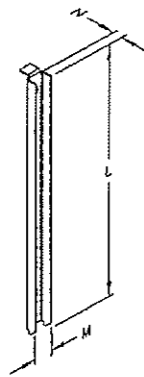
HOODBAND CLIPS

MODEL	QTY.	MATERIAL
USGF-140/HP-160/HP/XP	4	16 GA. GALV G90
USGF-180/HP-200/HP	6	16 GA. GALV G90



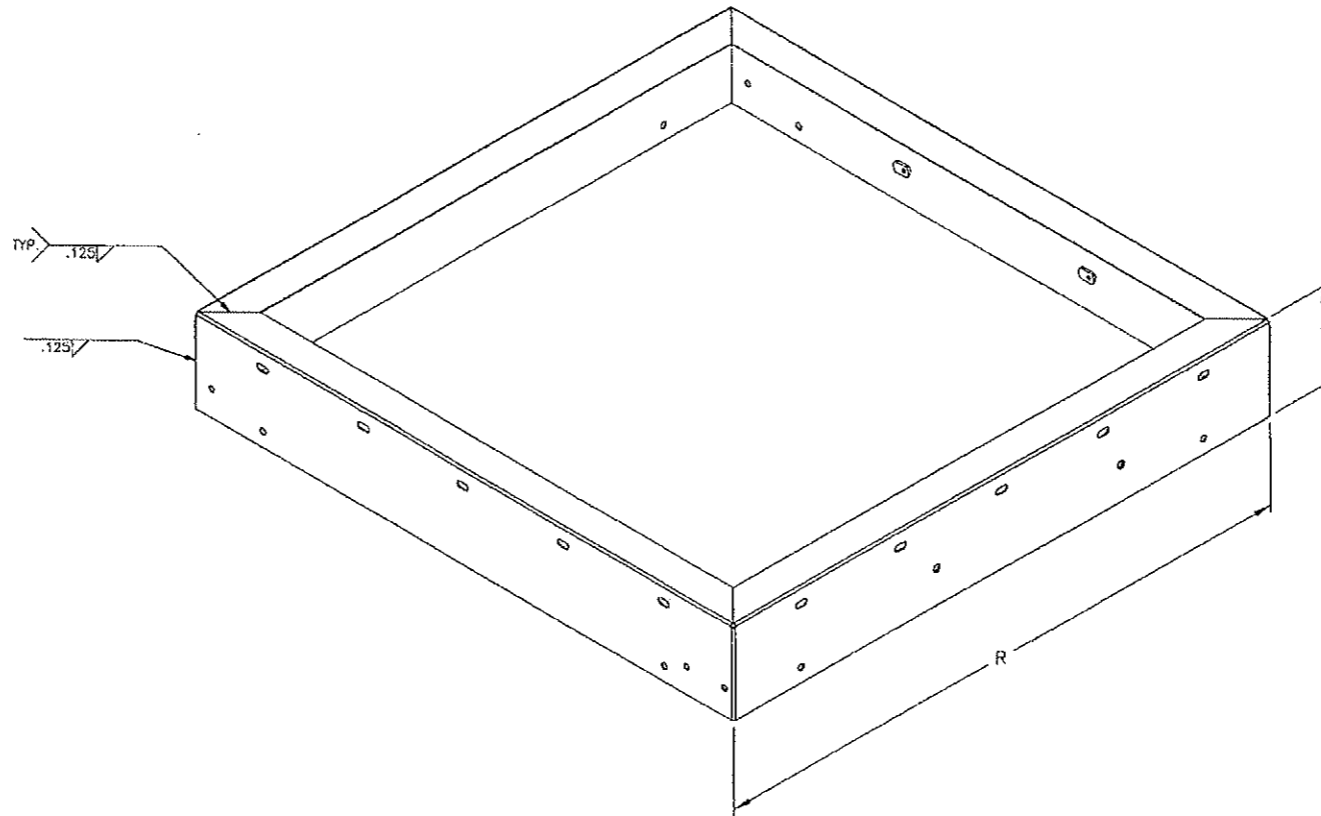
HORIZONTAL SUPPORT

MODEL	H	J	K	QTY.	MATERIAL
USGF-140/HP-160/HP/XP	4.68	1.03	2.00	4	16 GA. GALV. G90
USGF-180/HP-200/HP	5.72	1.03	2.00	6	16 GA. GALV. G90



VERTICAL SUPPORT

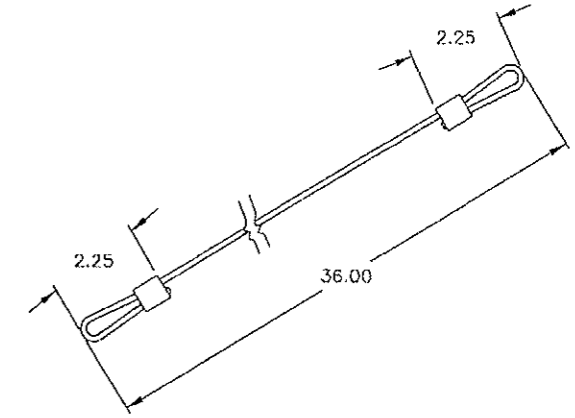
MODEL	L	M	N	QTY.	MATERIAL
USGF-140/HP-160/HP/XP	10.88	0.885	0.595	4	16 GA. GALV. G90
USGF-180/HP-200/HP	12.78	0.885	0.595	6	16 GA. GALV. G90



HINGE FRAME ASSEMBLY

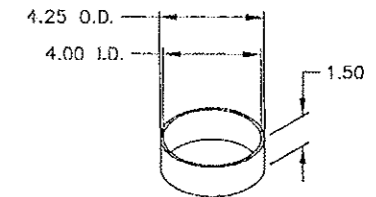
1 REQ'D. PER UNIT

MODEL	R	T	MATERIAL
USGF-140-160/HP	25.50	4.58	16 GA. GALV G90
USGF-180/HP-200	29.50	4.58	16 GA. CALV G90



CABLE ASSEMBLY

MODEL	QTY.	MATERIAL
USGF-140/HP-160/HP/XP	2	1/8" GALVANIZED CABLE
USGF-180/HP-200/HP	2	1/8" GALVANIZED CABLE



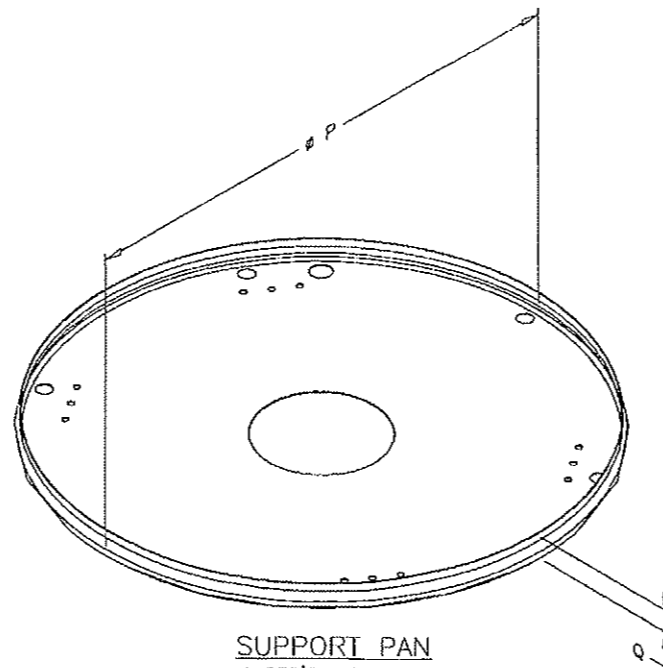
CLEANOUT TUBE

MODEL	QTY.	MATERIAL
USGF-140/HP-160/HP/XP	1	12 GA. CRS
USGF-180/HP-200/HP	1	12 GA. CRS



CURB SUPPORT ANGLE

MODEL	QTY.	LENGTH	MATERIAL
USGF-140/HP-160/HP/XP	4	22.61	12 GA. CRS
USGF-180/HP-200/HP	4	26.61	12 GA. CRS



SUPPORT PAN

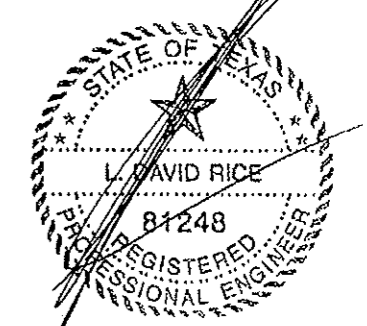
1 REQ'D. PER UNIT

MODEL	P	Q	MATERIAL
USGF-140-160/HP	20.90	1.50	20 GA. GALV G90
USGF-180/HP-200	25.20	1.20	20 GA. GALV G90

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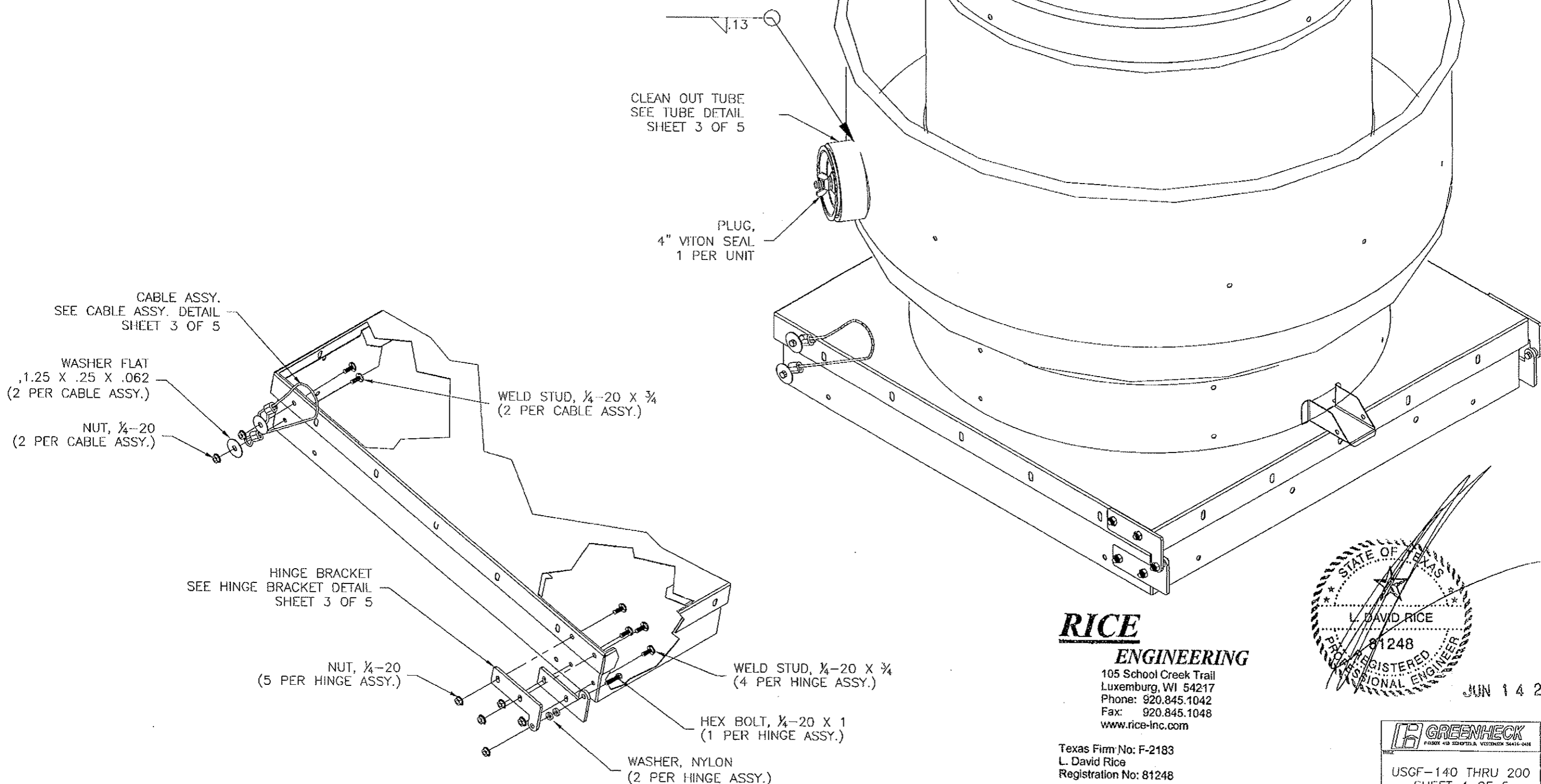


JUN 14 2012

ALL DIMENSIONS ARE IN INCHES

	DATE: 03/30/2012 DRAWN BY: PFEIFFER CHECKED BY:
	SCALE: 1/4" = 1" SHEET: 3 OF 5 HSS5003

HINGE FRAME AND CLEAN OUT ASSEMBLY DETAIL



CLEAN OUT TUBE  
SEE TUBE DETAIL  
SHEET 3 OF 5

PLUG,  
4" VITON SEAL  
1 PER UNIT

CABLE ASSY.  
SEE CABLE ASSY. DETAIL  
SHEET 3 OF 5

WASHER FLAT  
.125 X .25 X .062  
(2 PER CABLE ASSY.)

NUT, 1/4-20  
(2 PER CABLE ASSY.)

WELD STUD, 1/4-20 X 3/4  
(2 PER CABLE ASSY.)

HINGE BRACKET  
SEE HINGE BRACKET DETAIL  
SHEET 3 OF 5

NUT, 1/4-20  
(5 PER HINGE ASSY.)

WELD STUD, 1/4-20 X 3/4  
(4 PER HINGE ASSY.)

HEX BOLT, 1/4-20 X 1  
(1 PER HINGE ASSY.)

WASHER, NYLON  
(2 PER HINGE ASSY.)

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JUN 14 2012

	SPECIFIED BY DATE: 03/30/2012	DRAWN BY DATE:
	USGF-140 THRU 200 SHEET 4 OF 5	SCALE: 1/4" = 1"

FAN TO CURB MOUNTING

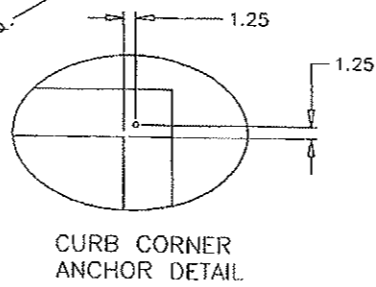
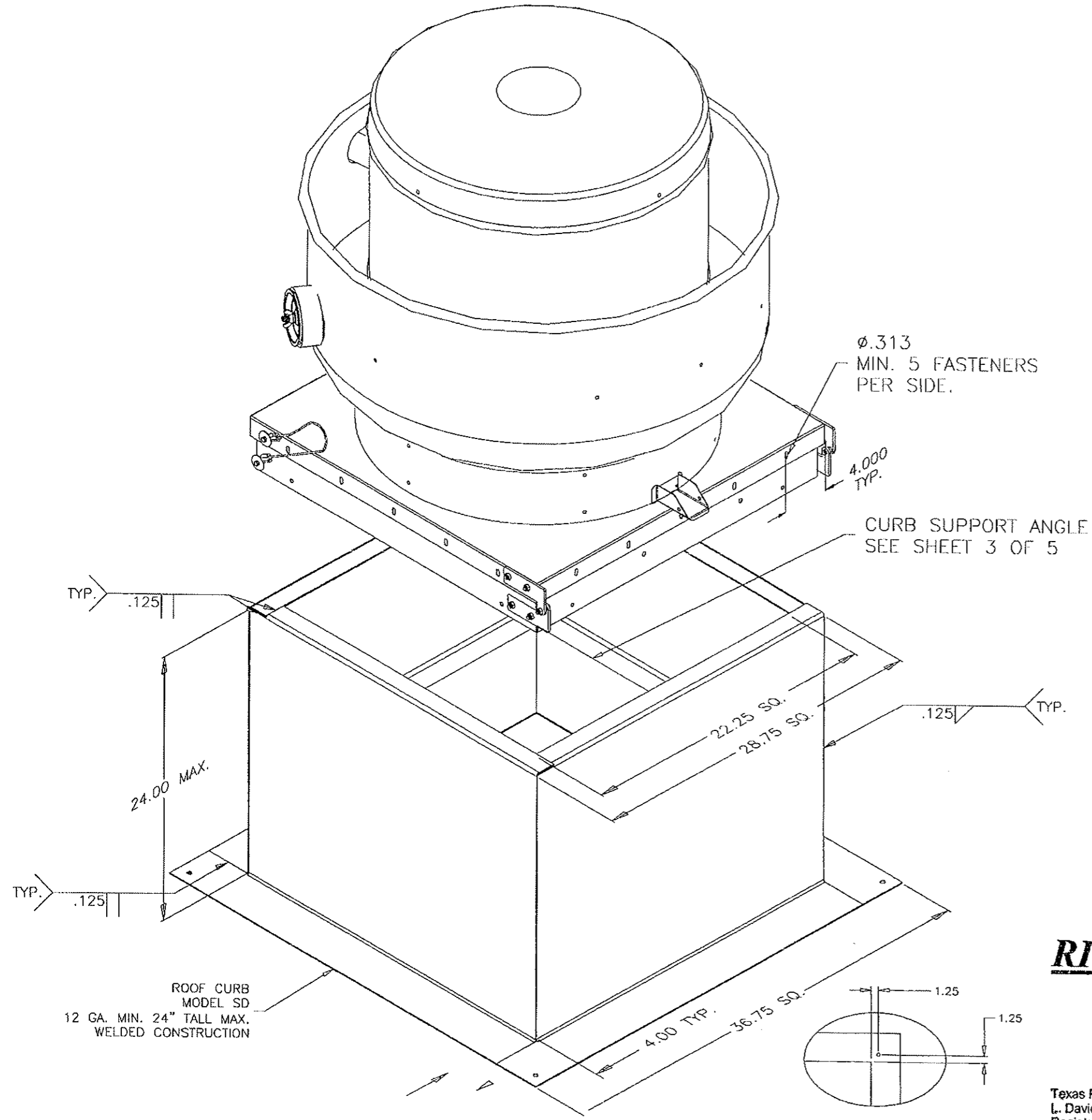
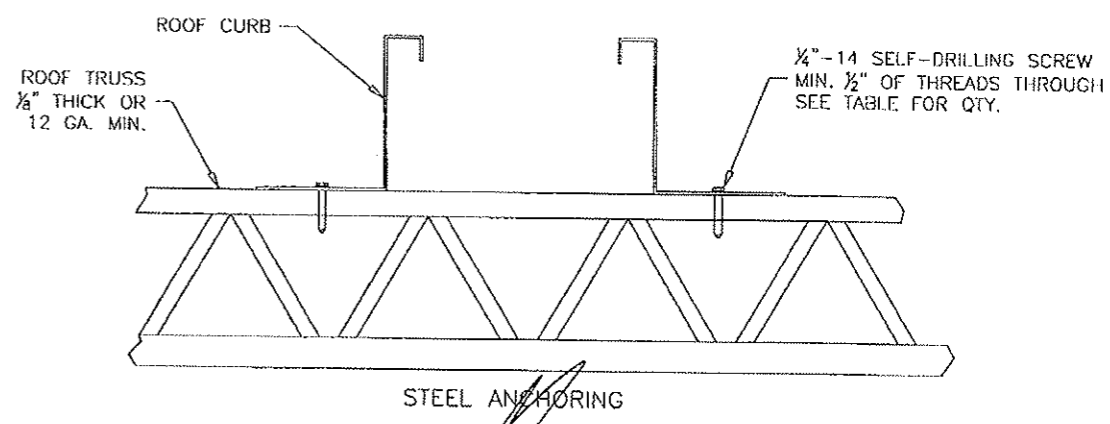
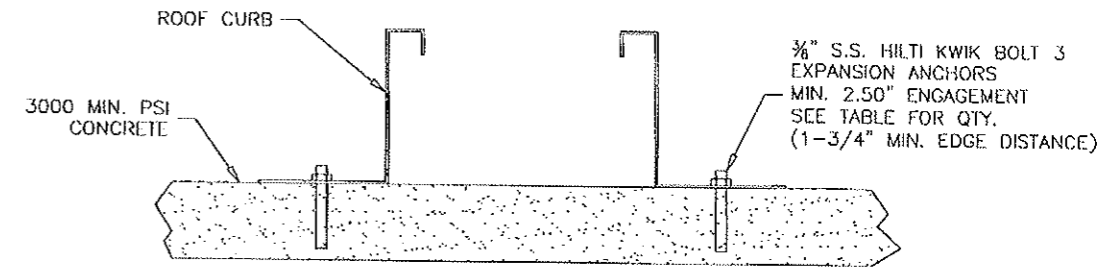
UNIT SIZE	FASTENERS PER SIDE
USGF-140/HP-160/HP/XP	5
USGF-180/HP-200/HP	5

FASTENERS ON EACH SIDE OF THE FAN ARE TO BE INSTALLED WITH ONE FASTENER 4 INCHES FROM EACH EDGE AND ONE FASTENER CENTERED. THE FASTENERS ARE TO BE EQUALLY SPACED. 5/16 INCH SELF-DRILLING SCREWS.

CURB TO DECK MOUNTING

UNIT SIZE	CONCRETE ANCHORING NO. OF FASTENERS PER SIDE	STEEL DECK ANCHORING NO. OF FASTENERS PER SIDE
USGF-140/HP-160/HP/XP	5	5
USGF-180/HP-200/HP	7	7

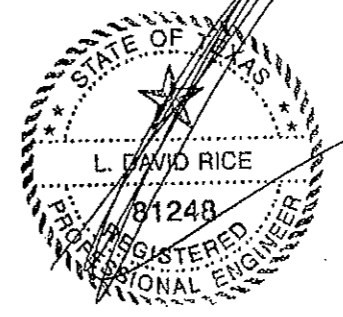
FASTENERS NEED TO BE LOCATED ON 2 OPPOSITE ENDS OF FAN CURB.



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JUN 14 2012

JUN 14 2012

	PROJECT NO. 03/30/2012	DRAWN BY PEEIFFER
	TITLE USGF-140 THRU 200 SHEET 5 OF 5	CHECKED BY 1/3.8
HSS505		