#### HOOD INFORMATION END TO ROW LENGTH COOKING TOTAL TAG MODEL CONSTRUCTION TEMP. EXH. CFM WIDTH LENG. HEIGHT DIA. CFM VEL. S.P. CFM END 600 Deg. 430 SS 4" 18" 3000 3000 1698 -0.634" 2400 ALONE | ALONE EX-2-PSP-F Where Exposed

30%

## PATENT NUMBERS

AC-PSP (United States) - US Patent 7963830 B2 AC-PSP Wall (Canada) - CA Patent 2820509 AC-PSP Island (Canada) - CA Patent 2520330

SC-111110FP

ECON-AIRE HOODS ARE

BUIL, T IN COMPLIANCE WITH

NFPA #96 - 2014 EDITION ETL LISTED TO UL-710 REQUIREMENTS

IMC 2018

3.0

1 Light

1 Fan

HOOL	INFC	RMATION													
				FILTER	(2)			LIGHT(S)				UTILITY CABINET(S)			
HOOD	TAG					EFFICIENCY @ 7			VIDE		FI	RE SYSTEM	ELECTRICAL	SWITCHES	
N□.	TAG	TYPE	QTY.	HEIGHT	LENGTH	MICRONS	QTY.	TYPE	GUARD LOCATION	SIZE	TYPE	SIZE	MODEL #	QUANTITY	PIPI

ND

Right

| 12"×48"×24" | Ansul R102

L55 Series E26

			_	48" —	-		L55 SERIES E26 CANDPY LIGHT FIXTURE - HIGH TEMP ASSEMBLY, INCLUDES CLEAR THERMAL AND SHOCK RESISTANT GLOBE (L55 FIXTURE)
		EXHAUST RISER — HANGING ANGLE —		SEE HOOD TABLE			ATTACHING PLATES  SUPPLY RISER WITH  VOLUME DAMPER
FIRE YSTEM PIPING	HOOD HANGING WGHT	16" SS BAFFLE WITH					23.5% OPEN STAINLESS STEEL PERFORATED PANEL
YES	674 LBS	3" INTERNAL STANDOFF ———————————————————————————————————				16"	
	ENSUł	IT IS THE RESPONSIBILITY  OF THE ARCHITECT/OWNER TO  RE THAT THE HOOD CLEARANCE  FROM LIMITED-COMBUSTIBLE  AND COMBUSTIBLE MATERIALS  IS IN COMPLIANCE WITH  LOCAL CODE REQUIREMENTS.				•	
]		GREASE DRAIN _ WITH REMOVABLE CUP				48.0″ MA	X

EQUIPMENT By Others	

<u>SECTION VIEW - MODEL 4824EX-2-PSP-F</u> <u>HOOD - #1</u>

## TAG OPTION SENSOR-CV

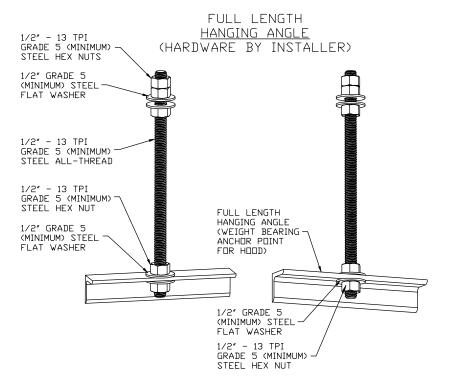
PERF	TORAT	ED	SUI	PPLY	PLENU	JM	(S)	
пппл								

SS Baffle with Handles

<i></i>	010211		<u> </u>	1111	7 7 7 7						
וחחח					, ,				RISER(	2)	
אם. ∟חחר	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	WIDTH	CFM	S.P.		
						MUA	12"	24"		800	0.278"
1		Front	156″	16"	6"	MUA	12"	24"		800	0,278"
						MUA	12"	24"		800	0.278"
	400D	HOOD TAG	TAG POS.	HOOD NO. TAG POS. LENGTH	HOOD TAG POS. LENGTH WIDTH	HOOD TAG POS. LENGTH WIDTH HEIGHT	TAG POS. LENGTH WIDTH HEIGHT TYPE  1 Front 156" 16" 6" MUA	TAG POS. LENGTH WIDTH HEIGHT TYPE WIDTH  1 Front 156" 16" 6" MUA 12"	1 TAG POS. LENGTH WIDTH HEIGHT TYPE WIDTH LENG.  1 Front 156" 16" 6" MUA 12" 24"	TAG   POS.   LENGTH   WIDTH   HEIGHT   TYPE   WIDTH   LENG.   DIA.	NO. 1AG POS. LENGTH WIDTH HEIGHT TYPE WIDTH LENG. DIA. CFM  MUA 12" 24" 800  1 Front 156" 16" 6" MUA 12" 24" 800

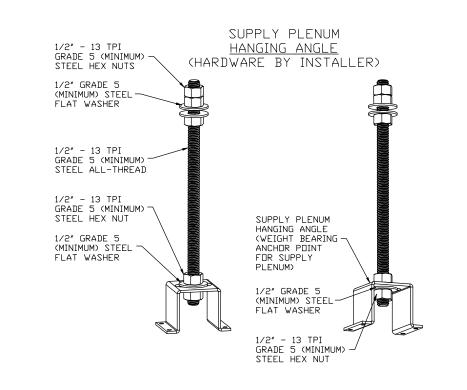
16"

16"



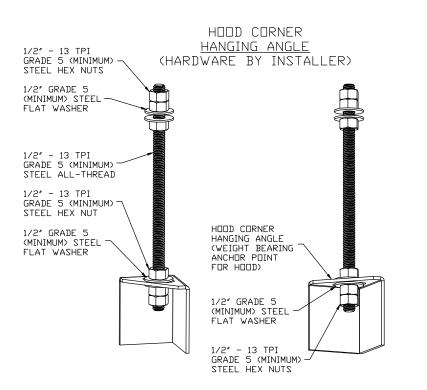
# ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN, MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS, SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



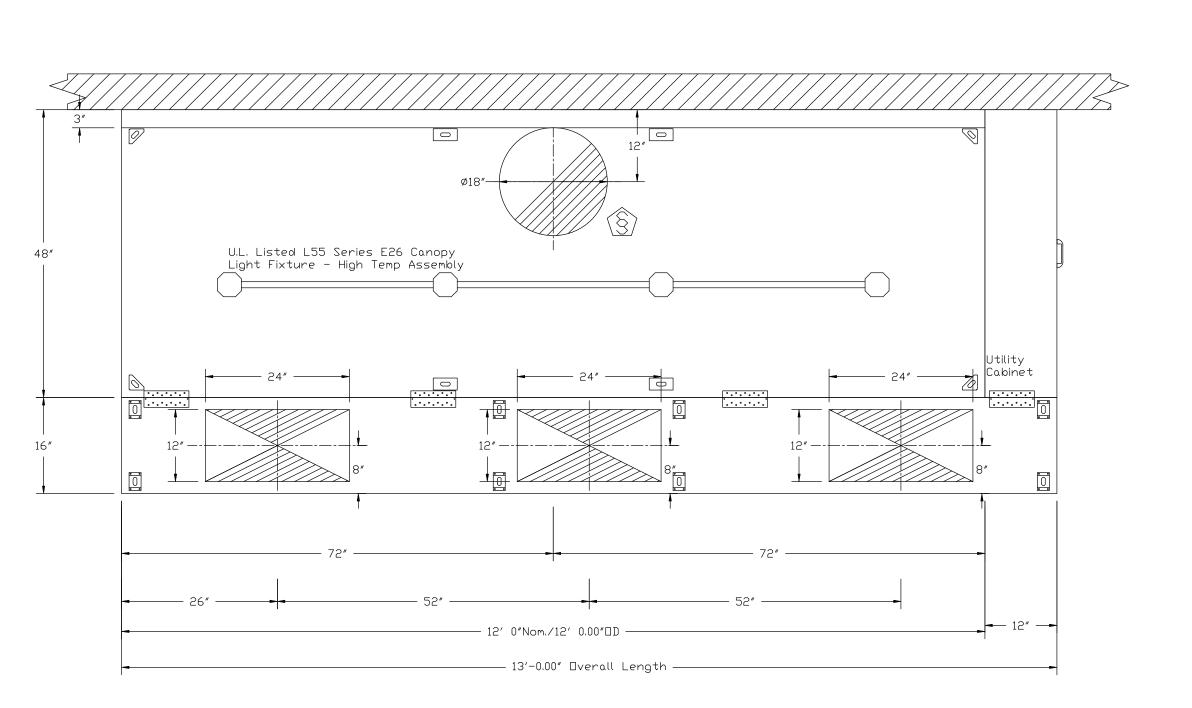
# ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS, SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN, MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS, MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



<u>PLAN VIEW — Hood #1</u> 0.00" LONG 4824EX—2—PSP—F NOTE: Additional hanging angles provided for hoods 12' and longer.

**REVISIONS** 

 $\bigcirc$  $\bigcup$  $\langle \rangle$  $\bigcap$  $\overline{\phantom{a}}$ 

**DATE:** 3/21/2019

DWG.#:

DRAWN BY:

**SCALE:** 

**MASTER DRAWING** 

3/4" = 1'-0"

SHEET NO.

#### EXHAUST FAN INFORMATION WEIGHT UNIT FAN UNIT MODEL # CFM ESP. H.P. Ø VOLT FLA VELOCITY (LBS.) NΠ. EABDU18HP 3000 14.4 1 | KEF-1 1.150 1358 | 1.500 | 1.1820 | 115 693 FPM 162

#### FAN #1 EABDU18HP - EXHAUST FAN (KEF-1)

#### MUA FAN INFORMATION FAN DESIGN UNIT FAN UNIT MODEL # |BLOWER| HOUSING ESP. RPM H.P. CFM (LBS.)

## 2400 | 0.500 | 846 | 1.000 | 0.7460 | 1 | 115 | 8.1 | EA-A1-G10 G10 240 17.2 2 MUA-1

## FAN OPTIONS

FAN UNIT ND.	TAG		OPTION (Qty Descr.)
1	KEF-1	1 - Grease Box	

### CURB ASSEMBLIES

FAN

PLATE

(LEFT)

PLATE (LEFT)

PLATE (LEFT)

CURB PLATE (LEFT)

N	□.	□N FAN	TAG	WEIGHT	ITEM	SIZE
	1	# 1	KEF-1	41 LBS	Curb	26.500"W x 26.500"L x 20.000"H Vented Hinged
á	2	# 2	MUA-1	29 LBS	Curb	21.000"W × 21.000"L × 20.000"H

CLOSED POSITION

VINYL

SPOUT

GREASE

FAN

PLATE —
(RIGHT)

(RIGHT)

3/8-16X1 1/2-WHIZ BOLT

OPEN POSITION

3/8-16

WHIZ NUT

 $B\square X$ 

<u>PIC. 2</u>

3/8-16

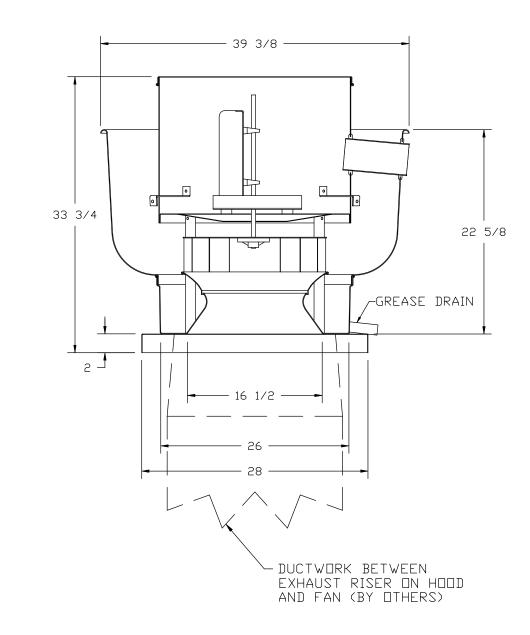
WHIZ NUT

ATTENTION!

REMOVE VINYL,

BEFORE SWING THE FAN

DOWN SPOUT



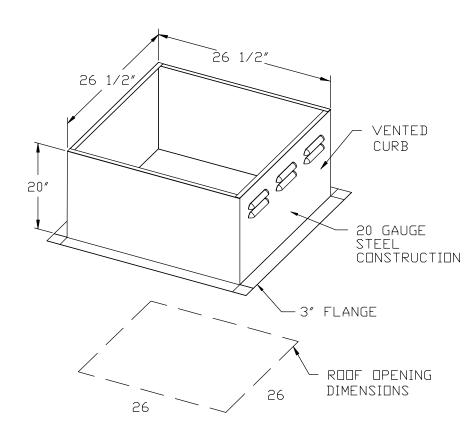
### FEATURES:

- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762 AND ULC-S645 - AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH - WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C) - GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

<u>OPTIONS</u> GREASE BOX.



HINGEKIT-GREASE BOX INSTRUCTION

REV.#1 11/29/11

## FIELD ASSEMBLY OF THE HINGES

### STEP 1)

(OPTIONAL)

└─ CURB

HARDWARE INCLUDED FOR HINGES ASSEMBLY

- FAN PLATES (LEFT & RIGHT)

2 - CURB PLATES (LEFT & RIGHT)

HARDWARE INCLUDED

SHEET METAL SCREWS

3 - # 14 X 3/4" LG.

<u>FOR GREASE BOX ASSEMBLY</u>

LOUVERS (OPTIONAL)

2 - 3/8-16X1 1/2 WHIZ BOLTS

6 - 3/8-16 WHIZ NUTS

24 - # 14 X 3/4" SCREWS

SHEET METAL SCREWS

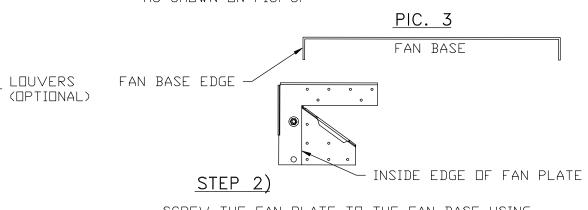
LINE UP CURB

OF GREASE BOX

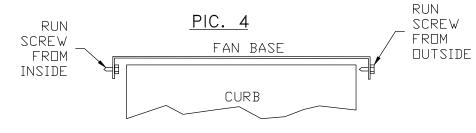
- PLATE AND BOTTOM

ASSEMBLY (LEFT AND RIGHT) FAN PLATE WITH CURB PLATE AS SHOWN ON PIC. 1 AND PIC. 2 (IF PARTS NOT ASSEMBLED).

LINE UP FAN BASE EDGE TO INSIDE EDGE OF FAN PLATE AS SHOWN ON PIC. 3.



SCREW THE FAN PLATE TO THE FAN BASE USING (12) # 14 X 3/4" LG. SHEET METAL SCREWS, (LEFT & RIGHT). NOTE: IF THE SCREWS HIT THE CURB, THEN RUN THE SCREWS FROM INSIDE THE FAN BASE, BE ALWAYS SURE THAT SCREWS NOT INTERFERING WITH CURB WHEN FAN SWINGS SEE PIC. 4.



# <u>STEP 3)</u>

SCREW THE CURB PLATE TO THE CURB USING (12) # 14 X 3/4" LG. SHEET METAL SCREWS, (LEFT & RIGHT).

## <u>STEP 4)</u>

TIGHTEN NUT AND BOLT ASSEMBLY, CHECK HOW FAN SWINGS.

## FIELD ASSEMBLY OF THE GREASE BOX

# <u>STEP 1)</u>

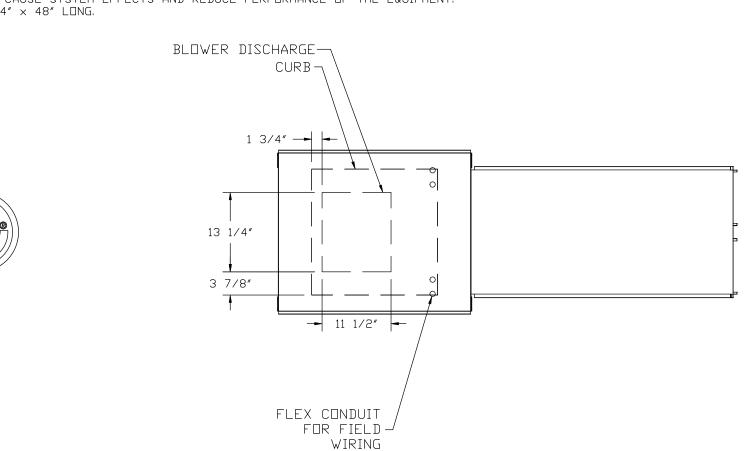
ATTACH VINYL DOWN SPOUT TO THE FAN. PLACE GREASE BOX ON THE CURB, VINYL DOWN SPOUT SHOULD BE INSERTED IN HOLE OF COVER, LINE UP CURB PLATE AND BOTTOM OF THE GREASE BOX AS SHOWN ON THE SIDE VIEW. MARK ON THE CURB POSITION OF THE GREASE BOX COVER.

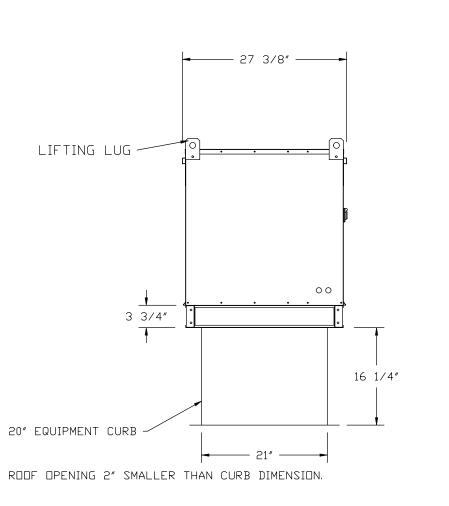
# <u>STEP 2)</u>

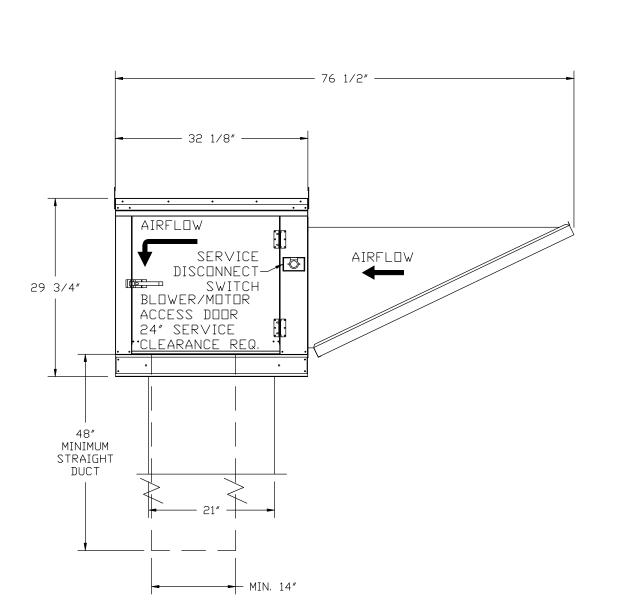
DISSASSEMBLY GREASE BOX. SCREW GREASE BOX COVER TO THE CURB USING THE (3) # 14 X 3/4" LG. SCREWS. ASSEMBLY GREASE BOX. BEFORE SWING THE FAN REMOVE VINYL DOWN SPOUT.

FAN #2 EA-A1-G10 - SUPPLY FAN (MUA-1) 1. UNTEMPERED SUPPLY UNIT WITH 10" BLOWER IN SIZE #1 HOUSING 2. INTAKE HOOD WITH EZ FILTERS 3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT

NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE UNLESS OTHERWISE SPECIFIED. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 14" × 14" × 48" LONG.







 $\bigcirc$  $\bigcap$  $\bigcirc$ 

**DATE:** 3/21/2019 DWG.#:

DRAWN BY:

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.

**REVISIONS**