### HOOD INFORMATION END TO ROW TAG LENGTH COOKING TOTAL MODEL SUPPLY CONSTRUCTION TEMP. EXH. CFM WIDTH LENG. HEIGHT DIA. CFM VEL. S.P. CFM 4824 600 Deg. 4" | 10" | 1000 | 1833 | -0.453" | 1000 800 ALONE | ALONE EX-2-PSP-F Where Exposed

# PATENT NUMBERS

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

# HOOD INFORMATION

		FILTER(S)				LIGHT(S)			UTILITY CABINET(S)						
$H\Box\Box$				EFFICIENCY @ 7			WIRE			FI	RE SYSTEM	ELECTRICAL	SWITCHES	FIRE HOOD SYSTEMHANGING	
N□.	TAU	TYPE	QTY. HEIGHT LENGT	TH MICRONS	QTY.	TYPE	GUARD		SIZE	TYPE	SIZE	MODEL #	QUANTITY	PIPING WGHT	
1		SS Baffle with Handle	es 2 16" 20"	30%	2	L55 Series E26	ND	Right	12"×48"×24"	Ansul R102	3.0	SC-111110FP	1 Light 1 Fan	YES 369 LBS	

ECON-AIRE HOODS ARE

BUIL, T IN COMPLIANCE WITH

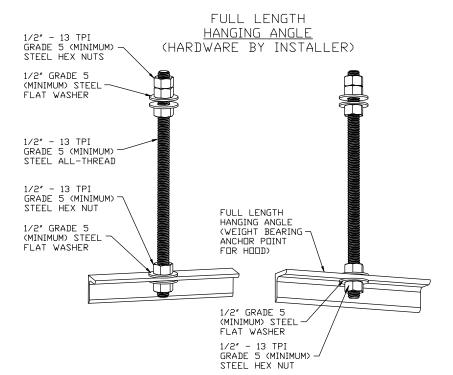
NFPA #96 - 2014 EDITION ETL LISTED TO UL-710 REQUIREMENTS

IMC 2018

TAG OPTION

SENSOR-CV

PERFORATED SUPPLY PLENUM(S)												
					' ′				RISER(	2)		
HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	WIDTH	OTH LENG. DIA. CFM				
1		Front	60″	16"	6"	MUA	12"	24"		800	0.240"	



# 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.

> HOOD CORNER HANGING ANGLE

(HARDWARE BY INSTALLER)

HOOD CORNER HANGING ANGLE (WEIGHT BEARING <sup>-</sup> ANCHOR POINT FOR HOOD)

1/2" GRADE 5 (MINIMUM) STEE

FLAT WASHER

1/2" - 13 TPI GRADE 5 (MINIMUM) STEEL HEX NUTS

ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI

DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS, MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE

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

ALL HEX NUTS TO 57 FT-LBS.

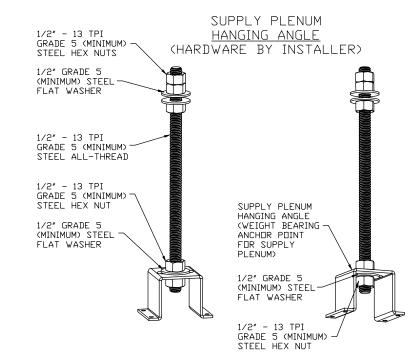
1/2" - 13 TPI GRADE 5 (MINIMUM) — STEEL HEX NUTS

1/2″ GRADE 5 (MINIMUM) STEEL — FLAT WASHER

1/2″ - 13 TPI GRADE 5 (MINIMUM) <sup>—</sup> STEEL ALL-THREAD

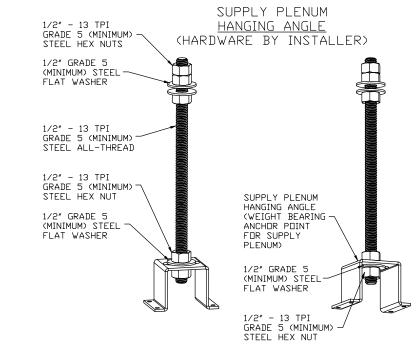
1/2" - 13 TPI GRADE 5 (MINIMUM) -STEEL HEX NUT

1/2″ GRADE 5 (MINIMUM) STEEL FLAT WASHER

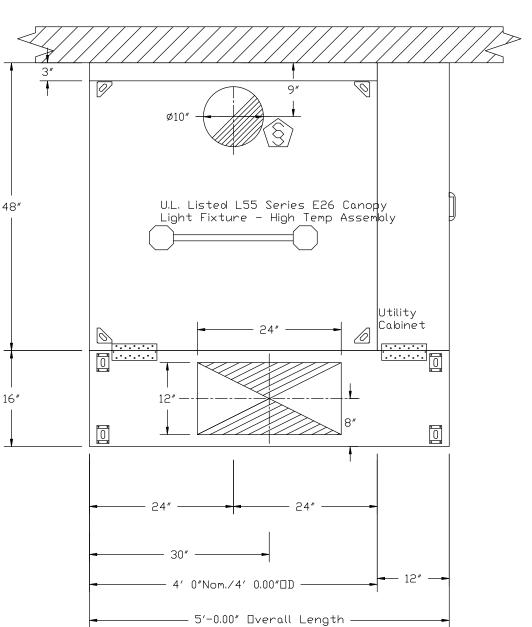


# ASSEMBLY INSTRUCTIONS

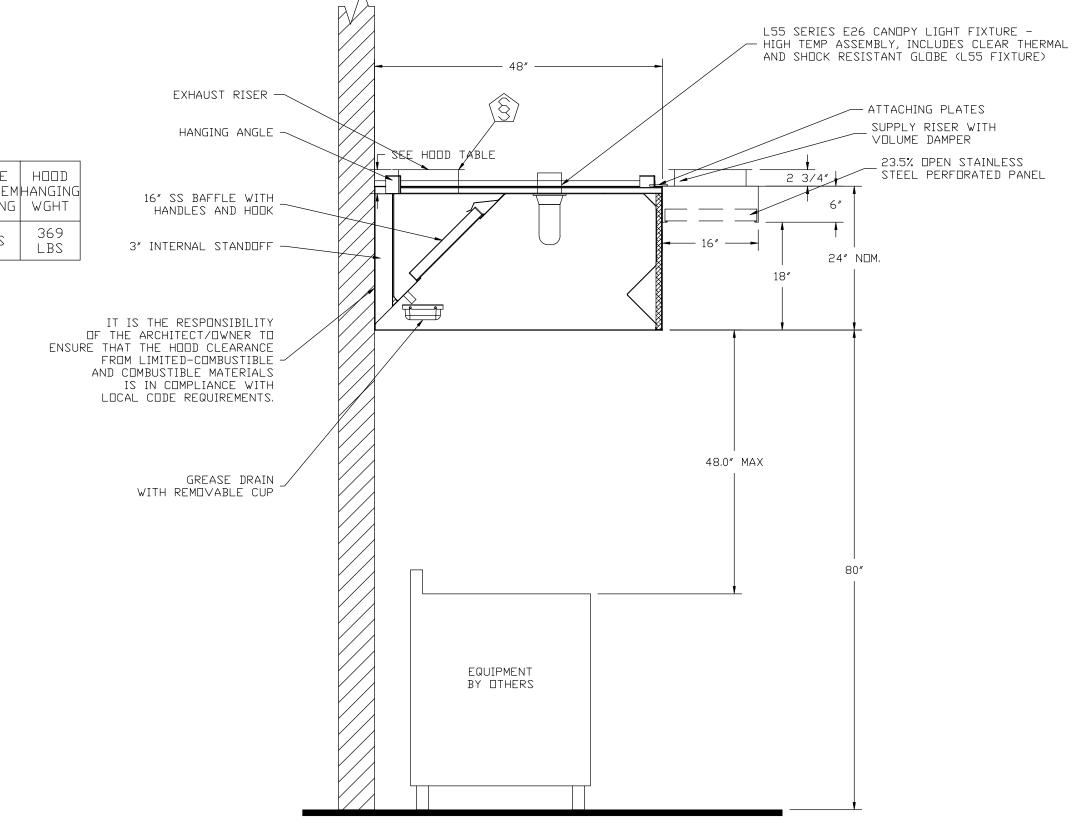
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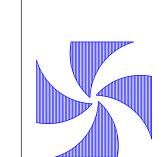


<u>PLAN VIEW - Hood #1</u> 4' 0.00" LONG 4824EX-2-PSP-F



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

**REVISIONS** 



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

DRAWN BY:

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

MASTER DRAWING

SHEET NO.

### EXHAUST FAN INFORMATION WEIGHT UNIT TAG FAN UNIT MODEL # CFM H.P. Ø VOLT FLA VELOCITY (LBS.) 15.2 EADU50H 1462 | 0.500 | 0.3530 | 1 | KEF-1 1.000 380 FPM 84

### MUA FAN INFORMATION

111 0 2 1	C11 1111 1111 C1W11111 C1V														
FAN UNIT ND,	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SONES
2	MUA-1	EA-A1-G10	G10	A1	_	800	0.350	576	0.333	0.0940	1	115	5,8	208	8.4

### <u>FAN OPTIONS</u>

FAN UNIT NO.	TAG		OPTION (Qty Descr.)
1	KEF-1	1 - Grease Box	

### CURB ASSEMBLIES

FAN

PLATE

(LEFT)

PLATE (LEFT)

PLATE -(LEFT)

CURB

PLATE (LEFT)

ND.	□N FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	31 LBS	Curb	19.500"W x 19.500"L x 20.000"H Vented Hinged
N	# 2	MUA-1	29 LBS	Curb	21.000"W × 21.000"L × 20,000"H

CLOSED POSITION

(VINYL DOWN -

SPOUT

GREASE

FAN

PLATE —
(RIGHT)

(RIGHT)

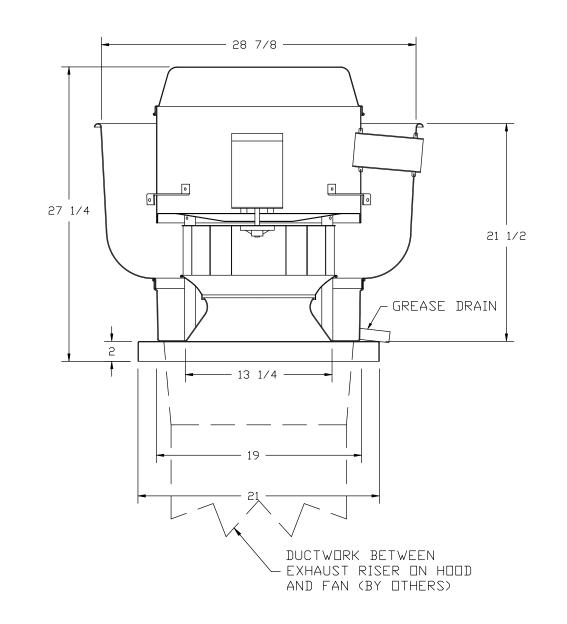
3/8-16X1 1/2 -\(\rightarrow\) WHIZ BOLT

OPEN POSITION

3/8-16

WHIZ NUT

### FAN #1 EADU50H - EXHAUST FAN (KEF-1)



### FEATURES:

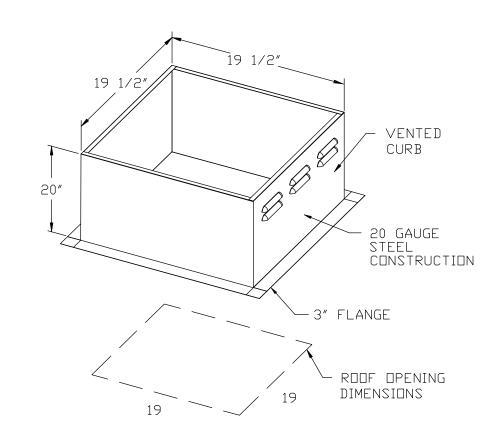
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS - RESTAURANT MODEL
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL
- INTERNAL WIRING - WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

# 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.



# REV.#1 11/29/11

HINGEKIT-GREASE BOX INSTRUCTION

# 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

SHEET METAL SCREWS 24 - # 14 X 3/4" SCREWS

LINE UP CURB

OF GREASE BOX

- PLATE AND BOTTOM

<u>PIC. 2</u>

3/8-16

WHIZ NUT

ATTENTION!

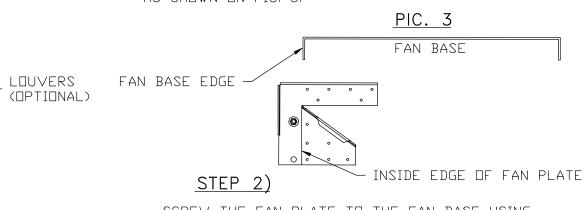
REMOVE VINYL,

BEFORE SWING THE FAN

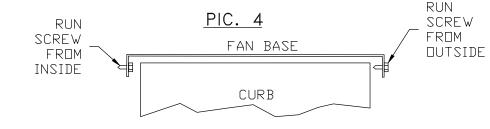
DOWN SPOUT

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.

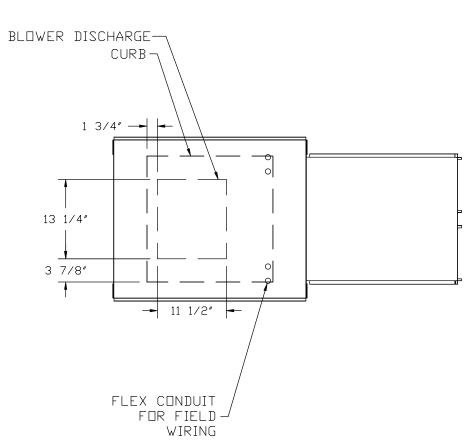
# <u>STEP 2)</u>

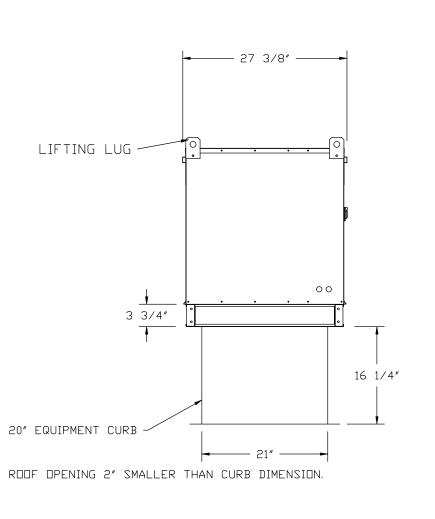
DISSASSEMBLY GREASE BOX. SCREW GREASE BOX COVER TO THE CURB USING THE (3) # 14 X 3/4" LG. SCREWS. ASSEMBLY GREASE BOX. BEFORE SWING THE FAN REMOVE VINYL DOWN SPOUT.

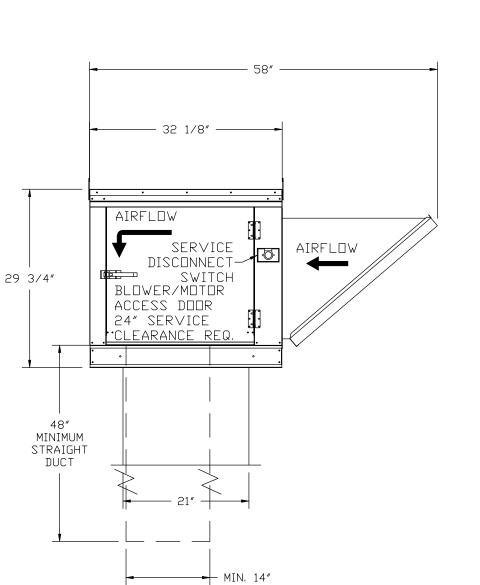
FAN #2 EA-A1-G10 - SUPPLY FAN (MUA-1) 1. UNTEMPERED SUPPLY UNIT WITH 10" BLOWER IN SIZE #1 HOUSING 2. INTAKE HOOD WITH EZ FILTERS-LOW CFM 3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT

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" x 14" x 48" LONG.

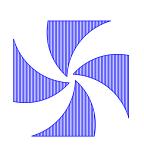








**REVISIONS** DESCRIPTION DATE:



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