

EXHAUST FAN INFORMATION

FAN UNIT NO.	FAN UNIT MODEL #	MODEL	TAG	CFM	ESP.	RPM	H.P.	#	VOLT	FLA	WEIGHT (LBS.)
1	DU30HFA	DU30HFA	EF-2	450	0.500	1131	0.250	1	115	4.0	52.56

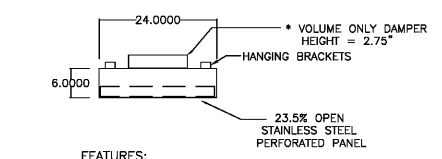
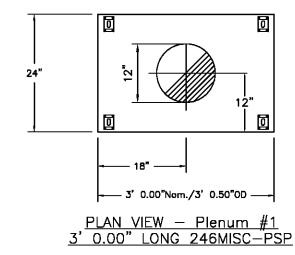
EXHAUST PLENUM INFORMATION

PLENUM NO.	MODEL	LENGTH	MAX. COOKING TEMP.	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S)			CONSTRUCTION	CONFIG.			
					WIDTH	LENG.	DIA.		CFM	S.P.	END TO END	ROW
1	246 MISC-PSP	3' 0.00"	300 Deg.	450	24"	36"	12"	450	0.084"	430 SS Where Exposed	ALONE	ALONE

CURB ASSEMBLIES

NO.	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	30 LBS	Curb	19.500"W x 19.500"L x 22.000"H Vented

EXHAUST PLENUM AND EXHAUST FAN WITH CURB OWNER PROVIDED THROUGH KITCHEN EQUIPMENT DEALER (ISI)

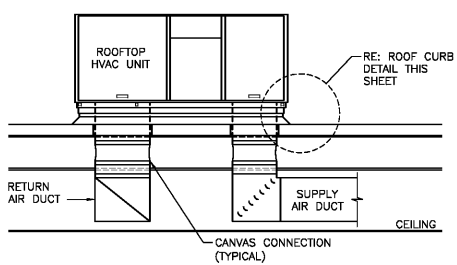
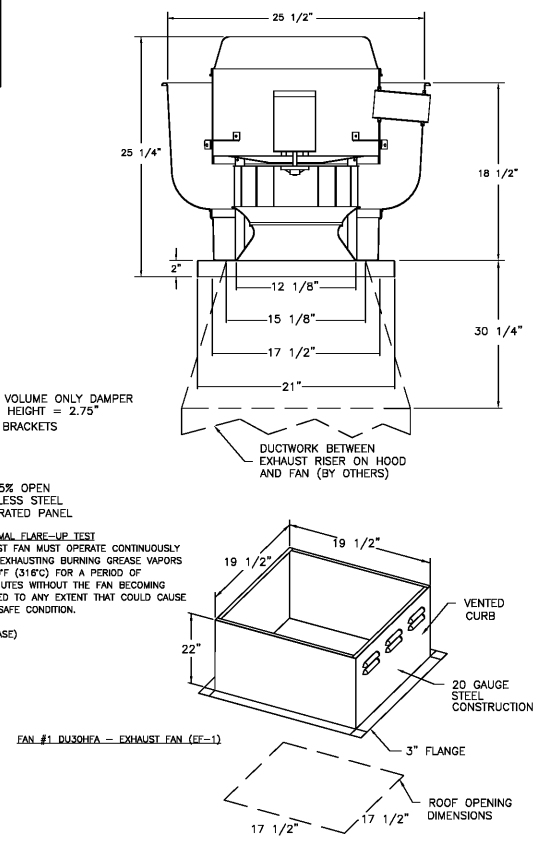


FEATURES:

- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL782
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300F (149C)
- GREASE CLASSIFICATION TESTING

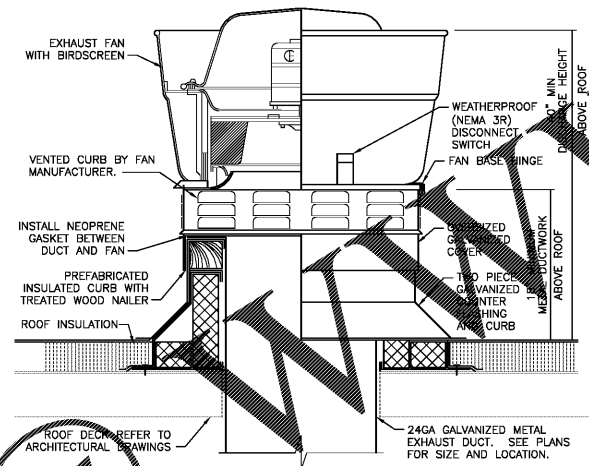
ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

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 DETRIMENTARY EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

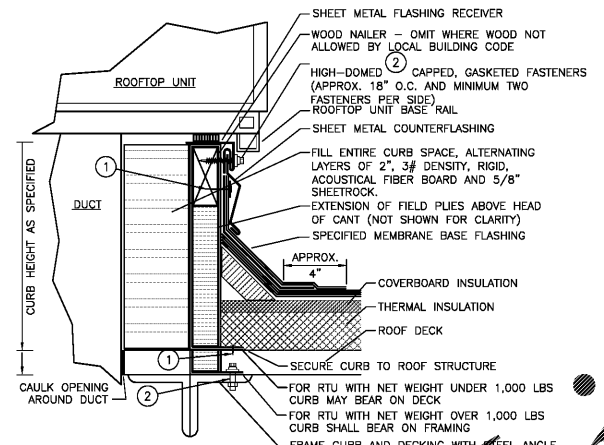


- NOTES:**
1. PROVIDE OPENING THROUGH ROOF AND ROOF DECK INSULATION NO LARGER THAN REQUIRED TO ALLOW DUCTS TO PASS THROUGH. REFER TO PLANS FOR DUCT SIZES. TRANSITION AS REQUIRED IN ROOF CURB TO RTU SUPPLY AND RETURN OPENINGS.
 2. PROVIDE SLOPED ROOF CURB TO INSTALL ROOFTOP UNIT LEVEL TO ENSURE PROPER DRAINAGE. COORDINATE ROOF SLOPE WITH ARCHITECTURAL FLASH AND COUNTER FLASH ROOF PENETRATIONS, ETC. TO ENSURE WEATHER TIGHT INSTALLATION.

1 ROOFTOP UNIT WITH DUCTWORK DETAIL
NO SCALE

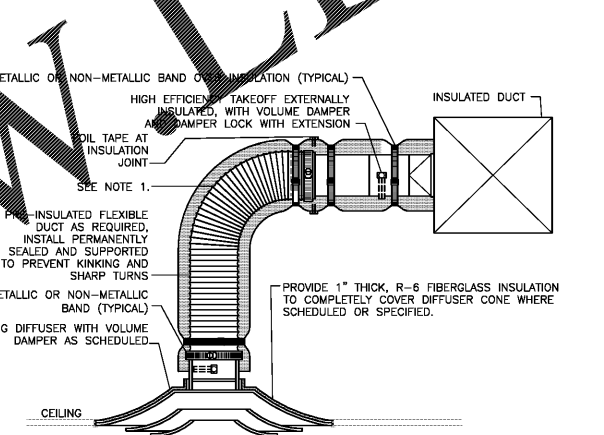


3 KITCHEN UPBLAST EXHAUST FAN DETAIL
NO SCALE



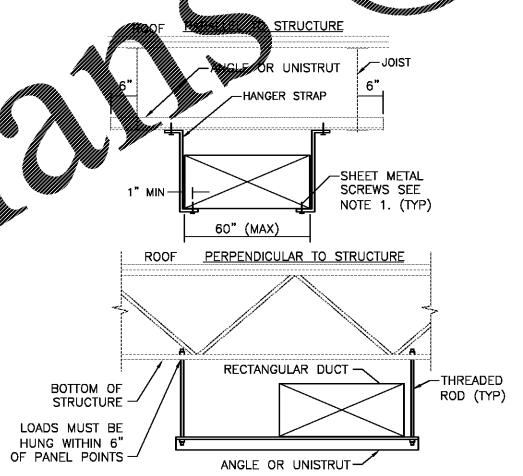
- NOTES:**
1. #12x1" SELF DRILLING SCREWS AT 12" O.C.
 2. #14x1-1/2" SELF DRILLING SCREWS AT 18" O.C.
1. CUT METAL DECKING TO ALLOW CURB INSTALLATION ON STEEL FRAMING. AFTER CURB IS SET IN PLACE, TRIM REMAINING METAL DECKING AND INSTALL WITHIN CURB. TACK WELD DECKING TO SUPPORT STEEL. DO NOT WELD INTERIOR DECKING TO ROOF CURB. PROVIDE ADDITIONAL CROSS FRAMING TO SUPPORT INTERIOR DECKING AND FILL MATERIAL AS REQUIRED.

2 ROOF CURB DETAIL
NO SCALE



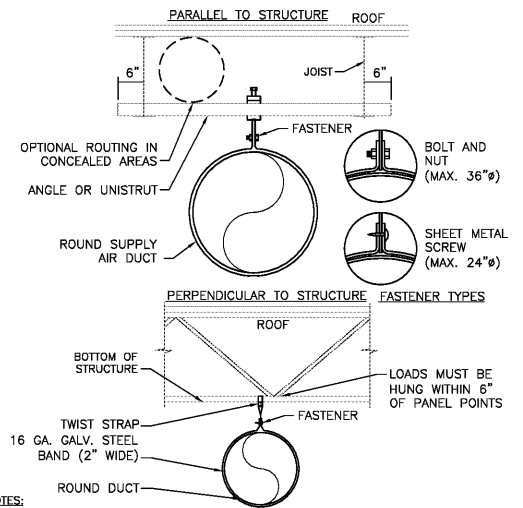
- NOTES:**
1. EXTEND RIGID METAL DUCT SO THAT MAXIMUM FLEXIBLE DUCT LENGTH DOES NOT EXCEED 5'-0". PROVIDE RIGID 90° ELBOW WHERE REQUIRED TO KEEP FLEXIBLE DUCT WITHIN 5'-0" LENGTH LIMITATION.

4 LAY-IN TYPE CEILING DIFFUSER DETAIL
NO SCALE



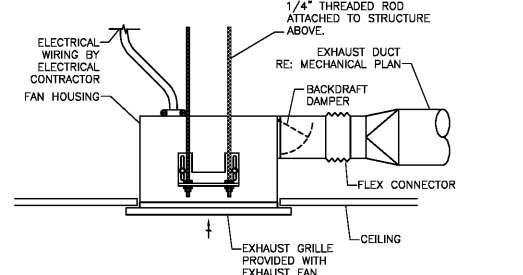
- NOTES:**
1. SHEET METAL SCREWS MAY BE OMITTED IF HANGER STRAP IS CONTINUOUS AND LOOPS UNDER ENTIRE DUCT.

5 RECTANGULAR DUCT SUPPORT DETAIL
NO SCALE



- NOTES:**
1. FOR DUCTS LARGER THAN 36", USE TWO HANGER RODS, WIRES OR STRAPS TO SUPPORT DUCT FROM EACH SIDE.

6 ROUND DUCT SUPPORT DETAIL
NO SCALE



7 SUPPORT DETAIL FOR HUNG EQUIPMENT
NO SCALE

PROJECT NAME AND LOCATION :



STORE #785
975 W. POPLAR AVENUE
COLLIERVILLE, TN 38017

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1	--	--
2	--	--
3	--	--

SHEET NAME:
MECHANICAL & EXHAUST PLENUM DETAILS

BID SET

project no: 17-085
dwg no: M2

Order Plans @