

FOR QUESTIONS, CALL THE  
Charlotte/Piedmont  
REGION 30  
PHONE: (704) 844-9088  
EMAIL: reg30@capwire.com

**HOOD INFORMATION - JOB#5198366**

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PRELIM (PRESS)				HOOD CONSTRUCTION	END TO END	ROW	QUANTITY	LOCATION	SWITCHES		
1	4824	V-VHB-G-ND	VENT-AIR SYSTEMS	4' 0"	700 DEG	II	N/A	105	420	WIDTH	LENG	HEIGHT	DA	CFM	VEL	SP	430 SS 100%	ALONE	ALONE	1 FAN 1 LIGHT	FRONT RIGHT FACE

HOOD NO	TAG	TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	TYPE	SIZE	MODEL #	QUANTITY	LOCATION	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1			2			L55 SERIES E26	NO										NO	221 LBS

HOOD NO	TAG	OPTION
1		FIELD WRAPPER 17.00" HIGH FRONT, LEFT, RIGHT. RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS. LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	STEAMER HD EF	1	DU33HFA	CAPTIVEARE	420	0.500	1114	TEAO-ECM	0.333	0.0860	1	115	4.3	208 FPM	69	8.8
2	4FT EXISTING HD EF	1	DUI80HFA	CAPTIVEARE	1400	1.250	1048	ODP-PREMIUM	1.000	0.8550	3	208	3.8	323 FPM	150	12.1
3	EXISTING BFT HD EF	1	DUI80HFA	CAPTIVEARE	2500	1.400	1197	ODP-PREMIUM	2.000	1.2110	3	208	8.3	577 FPM	182	15.2

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
4	EXISTING HD SF	1	A1-150	15MF-1-WOD	A1	700	0.500	1101	ODP	0.500	0.1840	3	208	1.9	2.4A	15A	334	10.1

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	STEAMER HD EF	1	GREASE BOX. ECM WINDING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MISC--(TEFCO), COW ROTATION. 2 YEAR PARTS WARRANTY.
2	4FT EXISTING HD EF	1	GREASE BOX. 2 YEAR PARTS WARRANTY.
3	EXISTING BFT HD EF	1	GREASE BOX. 2 YEAR PARTS WARRANTY.
4	EXISTING HD SF	1	GREASE BOX. 2 YEAR PARTS WARRANTY.

FAN UNIT NO	TAG	EXHAUST	SUPPLY
1	STEAMER HD EF	YES	NO
2	4FT EXISTING HD EF	YES	NO
3	EXISTING BFT HD EF	YES	NO
4	EXISTING HD SF	YES	NO

NO	ON	TAG	WEIGHT	ITEM	SIZE
1	# 1	STEAMER HD EF	27 LBS	CURB	19.500"W X 19.500"L X 20.000"H ALONG LENGTH, RIGHT VENTED.
2	# 2	4FT EXISTING HD EF	34 LBS	CURB	26.500"W X 26.500"L X 26.000"H ALONG LENGTH, RIGHT VENTED HINGED.
3	# 3	EXISTING BFT HD EF	34 LBS	CURB	26.500"W X 26.500"L X 26.000"H ALONG LENGTH, RIGHT VENTED HINGED.
4	# 4	EXISTING HD SF	39 LBS	CURB	21.000"W X 21.000"L X 14.000"H ALONG LENGTH, RIGHT.
				RAIL	4.000"W X 4.000"L X 36.000"H RIGHT.

FAN UNIT NO	TAG	EXHAUST	SUPPLY
1	STEAMER HD EF	YES	NO
2	4FT EXISTING HD EF	YES	NO
3	EXISTING BFT HD EF	YES	NO
4	EXISTING HD SF	YES	NO

NO	ON	TAG	WEIGHT	ITEM	SIZE
1	# 1	STEAMER HD EF	27 LBS	CURB	19.500"W X 19.500"L X 20.000"H ALONG LENGTH, RIGHT VENTED.
2	# 2	4FT EXISTING HD EF	34 LBS	CURB	26.500"W X 26.500"L X 26.000"H ALONG LENGTH, RIGHT VENTED HINGED.
3	# 3	EXISTING BFT HD EF	34 LBS	CURB	26.500"W X 26.500"L X 26.000"H ALONG LENGTH, RIGHT VENTED HINGED.
4	# 4	EXISTING HD SF	39 LBS	CURB	21.000"W X 21.000"L X 14.000"H ALONG LENGTH, RIGHT.
				RAIL	4.000"W X 4.000"L X 36.000"H RIGHT.

FAN UNIT NO	TAG	EXHAUST	SUPPLY
1	STEAMER HD EF	YES	NO
2	4FT EXISTING HD EF	YES	NO
3	EXISTING BFT HD EF	YES	NO
4	EXISTING HD SF	YES	NO

FAN UNIT NO	TAG	EXHAUST	SUPPLY
1	STEAMER HD EF	YES	NO
2	4FT EXISTING HD EF	YES	NO
3	EXISTING BFT HD EF	YES	NO
4	EXISTING HD SF	YES	NO

FAN UNIT NO	TAG	EXHAUST	SUPPLY
1	STEAMER HD EF	YES	NO
2	4FT EXISTING HD EF	YES	NO
3	EXISTING BFT HD EF	YES	NO
4	EXISTING HD SF	YES	NO

FAN UNIT NO	TAG	EXHAUST	SUPPLY
1	STEAMER HD EF	YES	NO
2	4FT EXISTING HD EF	YES	NO
3	EXISTING BFT HD EF	YES	NO
4	EXISTING HD SF	YES	NO

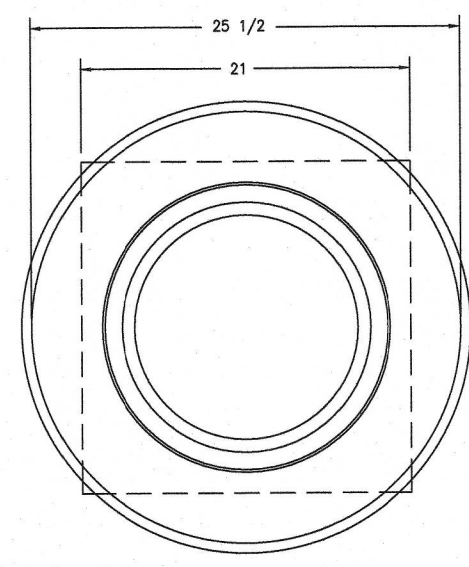
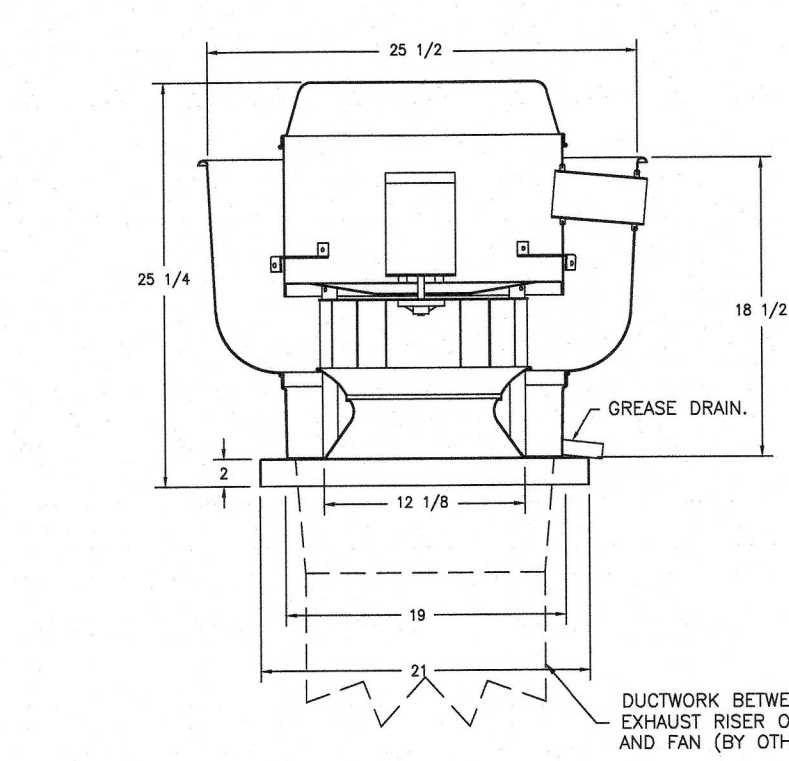
FAN UNIT NO	TAG	EXHAUST	SUPPLY
1	STEAMER HD EF	YES	NO
2	4FT EXISTING HD EF	YES	NO
3	EXISTING BFT HD EF	YES	NO
4	EXISTING HD SF	YES	NO

FAN UNIT NO	TAG	EXHAUST	SUPPLY
1	STEAMER HD EF	YES	NO
2	4FT EXISTING HD EF	YES	NO
3	EXISTING BFT HD EF	YES	NO
4	EXISTING HD SF	YES	NO

FAN UNIT NO	TAG	EXHAUST	SUPPLY
1	STEAMER HD EF	YES	NO
2	4FT EXISTING HD EF	YES	NO
3	EXISTING BFT HD EF	YES	NO
4	EXISTING HD SF	YES	NO

NO	TAG	PACKAGE #	LOCATION	SWITCHES	QUANTITY	OPTION	FANS CONTROLLED
1		Switches		SS - FACE MOUNT RIGHT SIDE OF HOOD	1 LIGHT		4FT EXISTING HD EF EXHAUST 3 1.000 208 3.8
2		SC-321110MA	WALL MOUNT IN SS BOX	05 - SS WALL MOUNT BOX	1 FAN	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	EXISTING BFT HD EF EXHAUST 3 2.000 208 8.3
					1 FAN		EXISTING HD SF SUPPLY 3 0.500 208 1.9

**FAN #1 DU33HFA - EXHAUST FAN (STEAMER HD EF)**



TOP VIEW

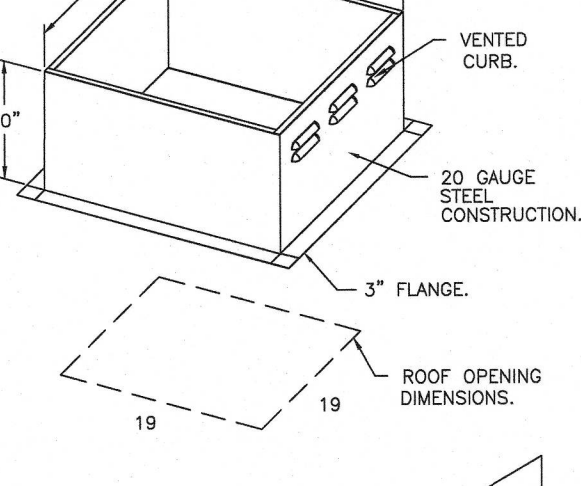
**FEATURES:**

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODELS.
- UL705 AND UL762 AND UL6-5845
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 3007° (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

**NORMAL TEMPERATURE TEST**  
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 3007° (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DETRIMENTARY EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

**ABNORMAL FLAME-UP TEST**  
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 800° (371°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

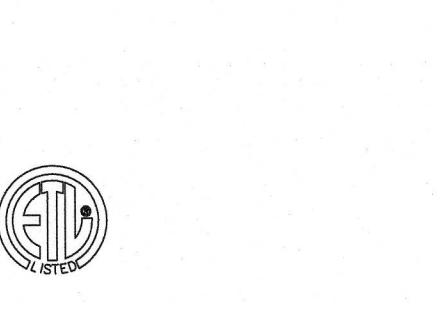
**OPTIONS**  
GREASE BOX.  
ECM WINDING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MISC--(TEFCO), COW ROTATION. 2 YEAR PARTS WARRANTY.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.  
SPECIFY PITCH:  
EXAMPLE: 7/12 PITCH = 30° SLOPE.

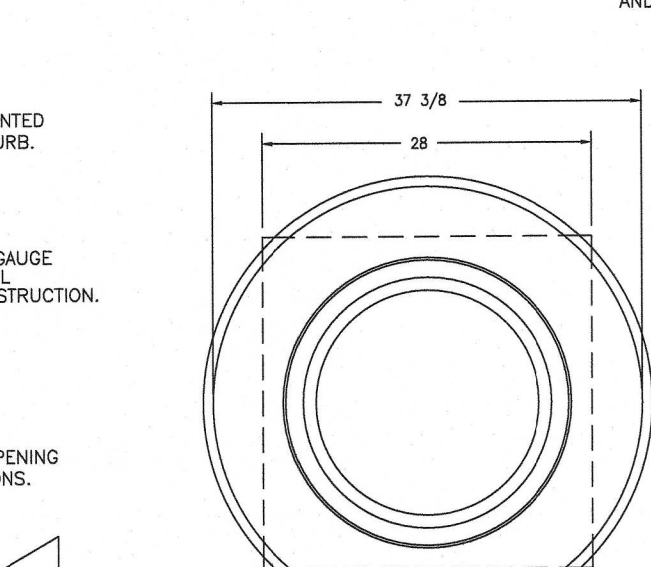
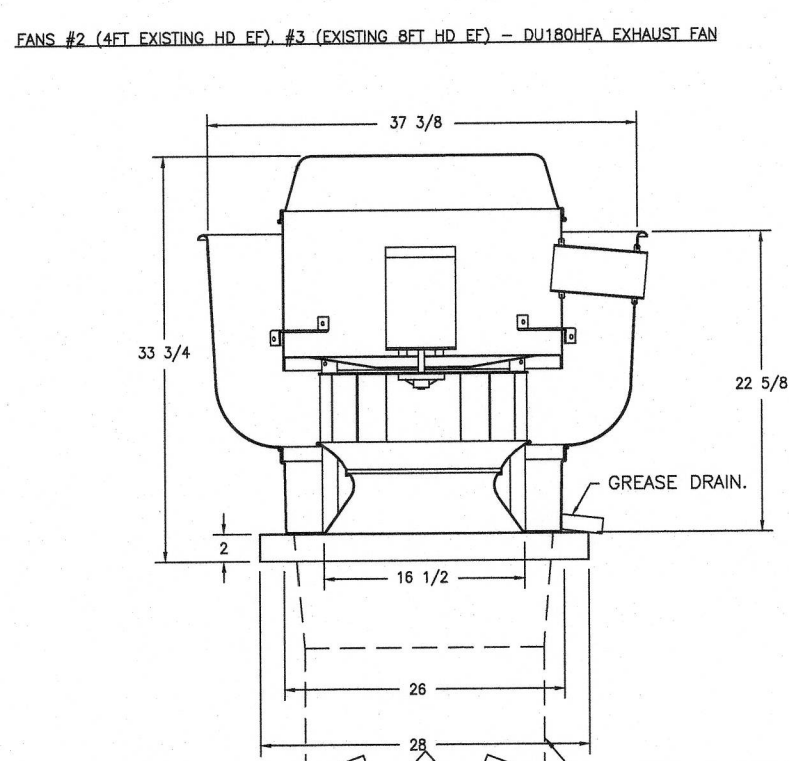
FAN #1 A1-150 - SUPPLY FAN (EXISTING HD SF)  
1. UNTEMPERED SUPPLY UNIT WITH 1/2" HOOD FLOW DIRECT DRIVE FAN IN SIZE #1 HOUSING.  
2. TRUNKLINE W/TAKE HOOD W/2 FILTERS.  
3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT.  
4. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER SECTION).  
5. 2 YEAR PARTS WARRANTY.

NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROUGH SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURN IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRAMATICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. 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".



14" EQUIPMENT CURB.  
ROOF OPENING 2" SMALLER THAN CURB DIMENSION.

**FANS #2 (4FT EXISTING HD EF), #3 (EXISTING BFT HD EF) - DUI80HFA EXHAUST FAN**

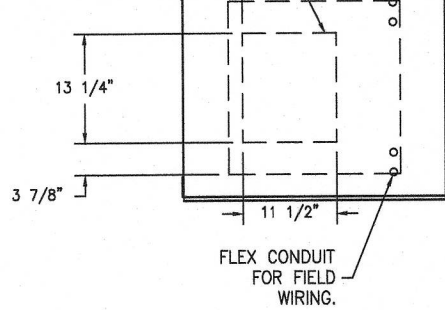


TOP VIEW

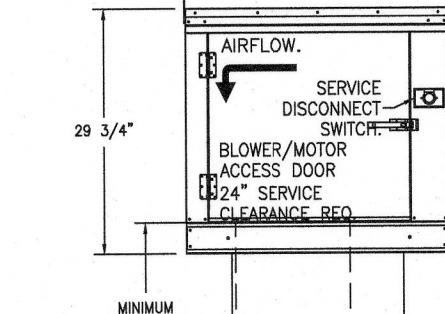
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 3007° (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DETRIMENTARY EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

**ABNORMAL FLAME-UP TEST**  
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 800° (371°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

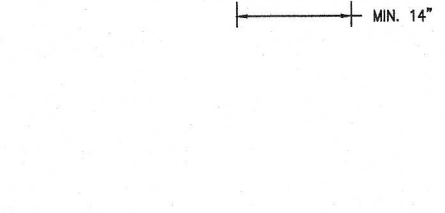
**OPTIONS**  
GREASE BOX.  
ECM WINDING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MISC--(TEFCO), COW ROTATION. 2 YEAR PARTS WARRANTY.



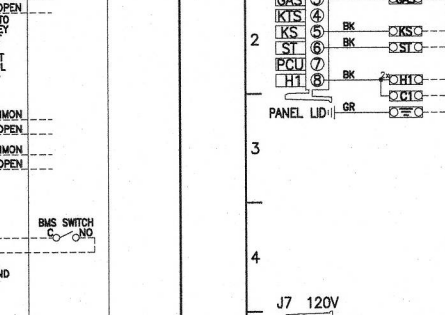
PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.  
SPECIFY PITCH:  
EXAMPLE: 7/12 PITCH = 30° SLOPE.



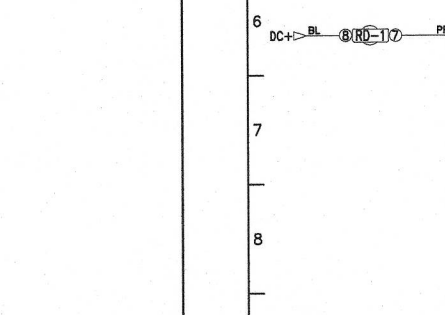
MINIMUM STRAIGHT DUCT PER AMCA.



ADJUSTABLE LEG.



MIN. 14"



MIN. 14"

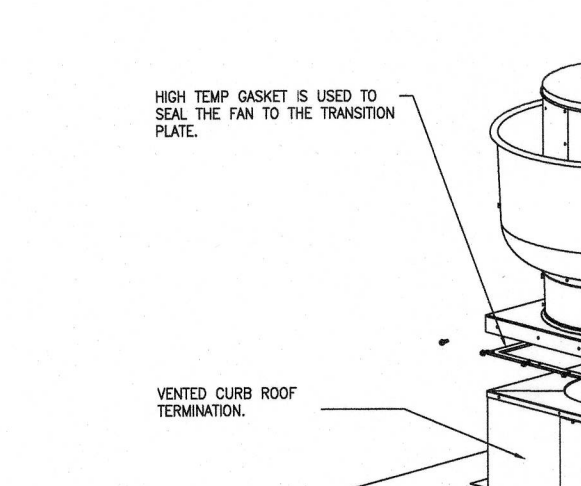
**FEATURES:**

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODELS.
- UL705 AND UL762 AND UL6-5845
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 3007° (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

**NORMAL TEMPERATURE TEST**  
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 3007° (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DETRIMENTARY EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

**ABNORMAL FLAME-UP TEST**  
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 800° (371°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

**OPTIONS**  
GREASE BOX.  
ECM WINDING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MISC--(TEFCO), COW ROTATION. 2 YEAR PARTS WARRANTY.

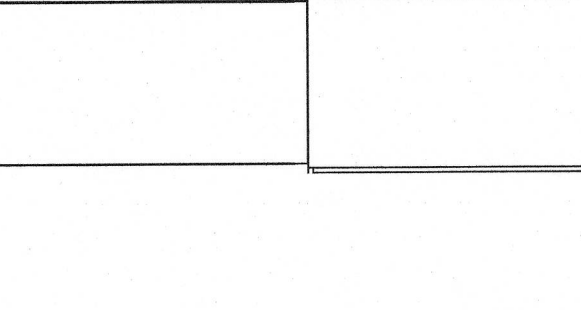


PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.  
SPECIFY PITCH:  
EXAMPLE: 7/12 PITCH = 30° SLOPE.

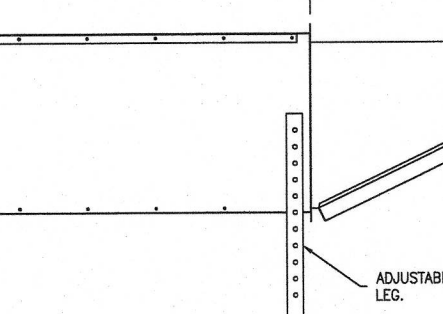
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 3007° (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DETRIMENTARY EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

**ABNORMAL FLAME-UP TEST**  
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 800° (371°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

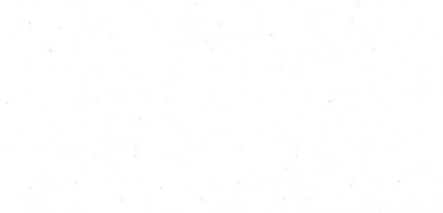
**OPTIONS**  
GREASE BOX.  
ECM WINDING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MISC--(TEFCO), COW ROTATION. 2 YEAR PARTS WARRANTY.



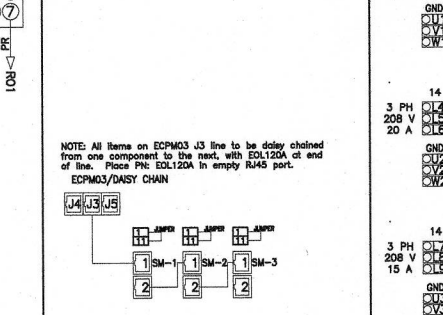
PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.  
SPECIFY PITCH:  
EXAMPLE: 7/12 PITCH = 30° SLOPE.



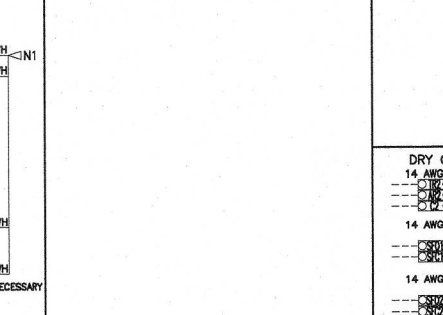
MINIMUM STRAIGHT DUCT PER AMCA.



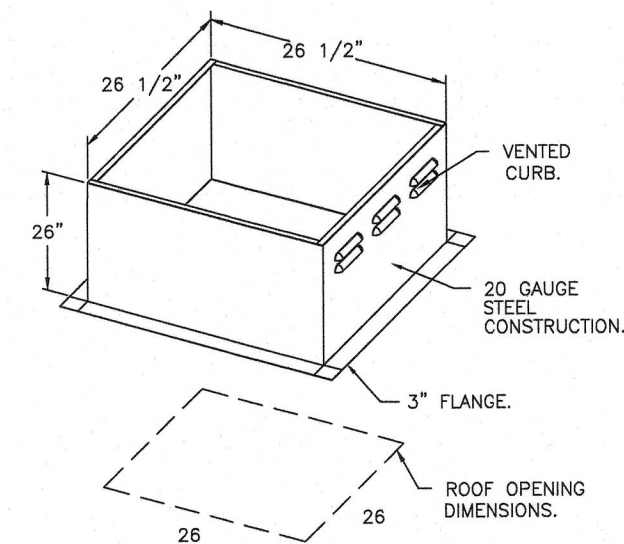
ADJUSTABLE LEG.



MIN. 14"



MIN. 14"



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.  
SPECIFY PITCH:  
EXAMPLE: 7/12 PITCH = 30° SLOPE.

