

EXHAUST FAN INFORMATION - JOB#4494028

| FAN UNIT NO. | TAG | QTY | FAN UNIT MODEL # | CFM | ESP | RPM | MOTOR ENCL. | HP | BHP | Ø | VOLT. | FLA | DISCHARGE VELOCITY | WEIGHT (LBS) | SONES |
|--------------|-----|-----|------------------|------|-------|------|-------------|-------|--------|---|-------|-----|--------------------|--------------|-------|
| 1 | | 1 | DUBSHFA | 1100 | 1.000 | 1152 | TEAD-ECM | 0.750 | 0.2690 | 1 | 230 | 5.6 | 348 FPM | 88 | 11.6 |

CONDENSER DETAILS

| FAN UNIT NO. | TAG | FAN UNIT MODEL # | CONDENSER NO. | TORNAGE | VOLTAGE | PHASE | FREQUENCY | MCA | RLA | MAX FUSE SIZE | MIN WIRE SIZE | SEER |
|--------------|-----|------------------|---------------|---------|---------|---------|-----------|-----------|-----------|---------------|---------------|------|
| 2 | | A1-D-590-150-MPU | 1 | 3 | 208-230 | 1 PHASE | 60 HZ | 18.1 AMPS | 14.7 AMPS | 30 AMPS | 10 AWG | 14 |

MUA FAN INFORMATION - JOB#4494028

| FAN UNIT NO. | TAG | QTY | FAN UNIT MODEL # | BLOWER | HOUSING | MIN CFM | DESIGN CFM | ESP | RPM | MOTOR ENCL. | HP | BHP | Ø | VOLT. | FLA | MCA | MOCF | COOLING COIL ENTERING DB TEMP | COOLING COIL ENTERING WB TEMP | COOLING COIL LEAVING DB TEMP | COOLING COIL LEAVING WB TEMP | COOLING COIL TOTAL CAPACITY | COOLING COIL SENSIBLE CAPACITY | COOLING COIL LATENT CAPACITY | WEIGHT (LBS) | SONES |
|--------------|-----|-----|------------------|------------|----------|---------|------------|-------|------|-------------|-------|--------|---|-------|-----|------|------|-------------------------------|-------------------------------|------------------------------|------------------------------|-----------------------------|--------------------------------|------------------------------|--------------|-------|
| 2 | | 1 | A1-D-590-150-MPU | 15MF-1-MDB | A1-D-500 | 1000 | 1000 | 0.500 | 1661 | TEAD-ECM | 1.000 | 0.6190 | 1 | 230 | 6.5 | 9.2A | 15A | 90.0°F | 78.0°F | 75.9°F | 69.7°F | 36.5 MBH | 14.3 MBH | 21.7 MBH | 1043 | 14.7 |

GAS FIRED MAKE-UP AIR UNIT(S)

| FAN UNIT NO. | TAG | INPUT BTUS | OUTPUT BTUS | TEMP RISE | REQUIRED INPUT GAS PRESSURE | GAS TYPE | BURNER EFFICIENCY(%) |
|--------------|-----|------------|-------------|-----------|-----------------------------|----------|----------------------|
| 2 | | 66426 | 61112 | 60°F | 7 IN. W.C. - 14 IN. W.C. | Natural | 92 |

FAN OPTIONS

| FAN UNIT NO. | TAG | QTY | DESCRIPTION |
|--------------|-----|-----|---|
| 1 | | 1 | GREASE BOX. |
| | | 1 | ECM WIRING PACKAGE - MANUAL DR 0-10VDC REFERENCE SPEED CONTROL (YELED MOTOR), CCW ROTATION. |
| | | 1 | AC INTERLOCK RELAY - 24VAC COIL. |
| 2 | | 1 | MOTORIZED BACKDRIFT DAMPER FOR A1-D HOUSINGS. |
| | | 1 | LOW FIRE START. |
| | | 1 | INLET PRESSURE GAUGE, 0-25". |
| | | 1 | MANIFOLD PRESSURE GAUGE, -5 TO 15" WC. |
| | | 1 | 3 TON SINGLE CIRCUIT MODULAR PACKAGED AC COOLING OPTION FOR SIZE 1 D/F/WH MUA (450 TO 1200 CFM), 208V/230V, 1 PHASE, COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION. |
| | | 1 | DOWNDRAFT PLENUM FOR SIZE 1 DX COIL MODULE. |
| | | 1 | COOLING THERMOSTAT AND RELAY (NOT REQ FOR EVAP). |
| | | 1 | SIZE 1 MPU-AC MOISTURE ELIMINATOR OPTION - ALLOWS COOLING COIL FACE VELOCITY TO INCREASE TO 650 FPM INCREASES COOLING COIL MAX CFM TO 1450 CFM. |
| | | 1 | ECM WIRING PACKAGE - DB SUPPLY - MANUAL DR 0-10VDC REFERENCE SPEED CONTROL (YELED MOTOR). |

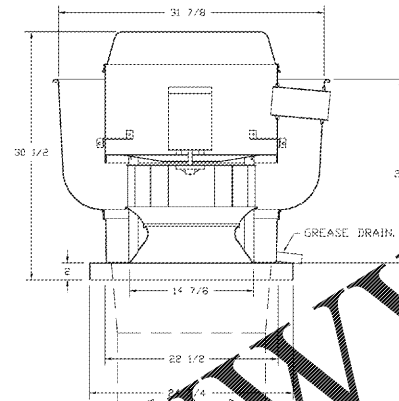
FAN ACCESSORIES

| FAN UNIT NO. | TAG | EXHAUST | | | | SUPPLY | | |
|--------------|-----|------------|----------------|------------|----------------|----------------|------------------|------------|
| | | GREASE CUP | GRAVITY DAMPER | WALL MOUNT | SIDE DISCHARGE | GRAVITY DAMPER | MOTORIZED DAMPER | WALL MOUNT |
| 1 | | YES | | | | | | |
| 2 | | | | | | YES | | |

CURB ASSEMBLIES

| NO. | ON FAN | WEIGHT | ITEM | SIZE |
|-----|--------|--------|------|--|
| 1 | # 1 | 36 LBS | CURB | 23.000"W X 21.000"D X 20.000"H VENTED HINGED |
| 2 | # 2 | 95 LBS | CURB | 21.000"W X 21.000"D X 20.000"H INSULATED |
| | # 2 | | RAIL | 6.000"W X 21.000"D X 20.000"H |

FAN #1 DUBSHFA - EXHAUST FAN



FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL700 AND UL700 AND UL-C-3645
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (175°C)
- GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST:

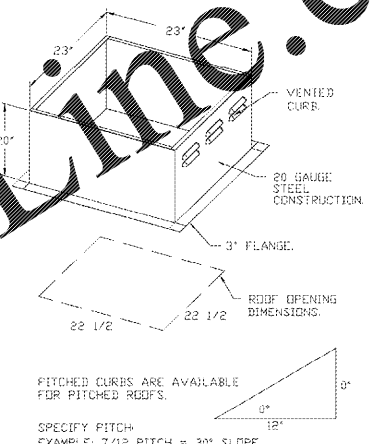
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUST MOTOR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DISRUPTING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST:

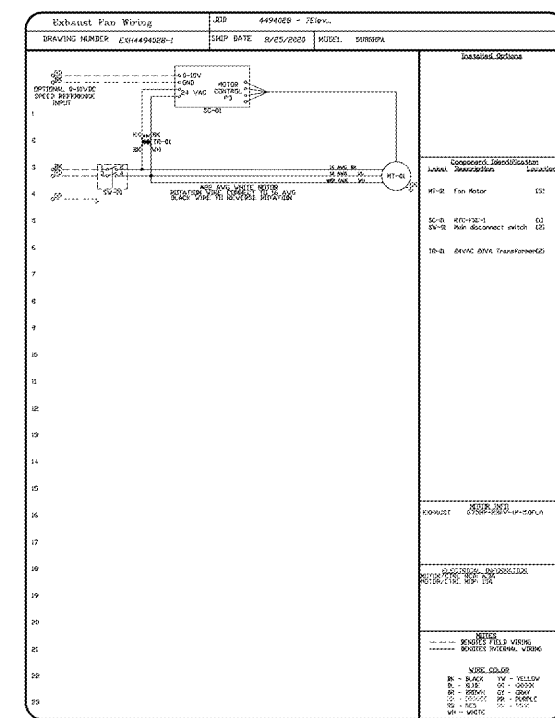
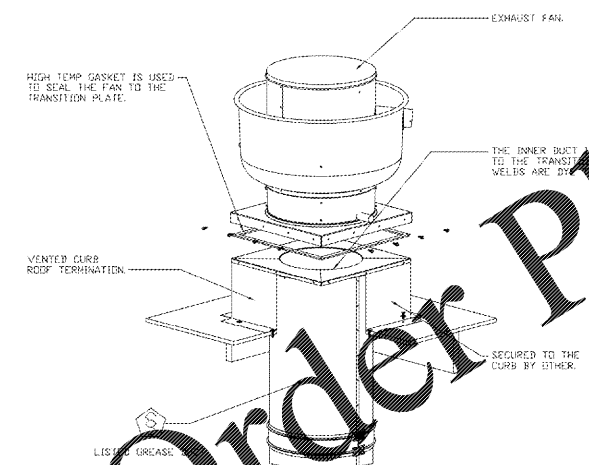
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OPTIONS:

- GREASE BOX
- ECM WIRING PACKAGE - MANUAL DR 0-10VDC REFERENCE SPEED CONTROL (YELED MOTOR), CCW ROTATION.

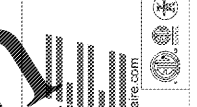


FITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.
SPECIFY PITCH.
EXAMPLE: 7/12 PITCH = 30° SLOPE.



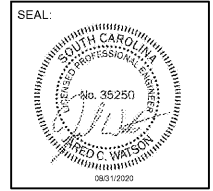
REVISIONS

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
| 1 | | |



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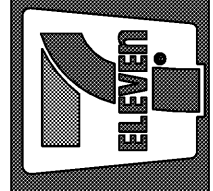


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MYRTLE BEACH, SC 29575



JOB NUMBER: 20022
CHECKED BY:
DRAWN BY:
DATE: 08/31/20

TITLE
KITCHEN HOOD
SUBMITTALS

SHEET:
M3.2

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