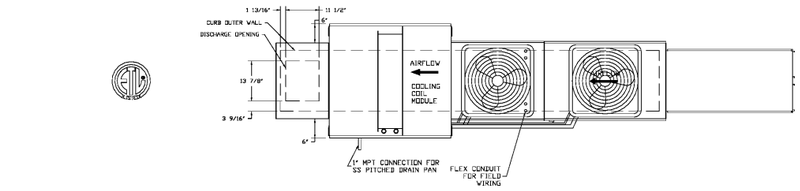
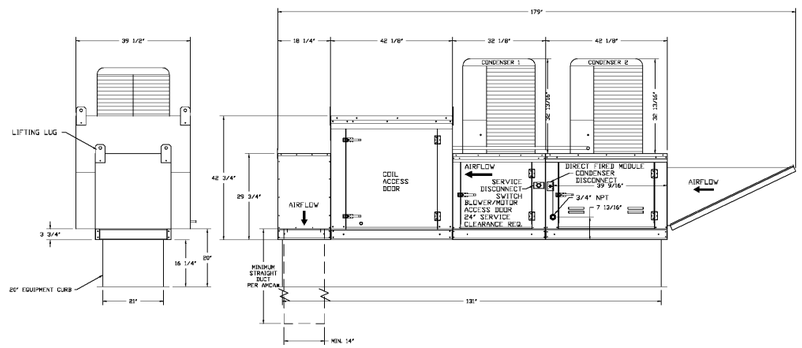
FAN #9 AI-D250-SS5 MPU - HEATER (SF-1)
1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 10" BLOWER
2. INTAKE HOOD WITH 12 FILTERS
3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT
4. COOLING INTERLOCK RELAY. 24VAC COIL. 10VA CONTACTS. LOCKS OUT BURNER CIRCUIT WHEN AC IS ENERGIZED.
5. MOTORIZED BACK DRAFT DAMPER 36" X 18" FOR SIZE 1 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" ROHR FLANGE, LOW LEAKAGE, TIPDOES ACTUATOR INCLUDED
6. LOW FIRE START - ALLOWS THE BURNER CIRCUIT TO ENERGIZE WHEN THE MODULATION CONTROL IS IN A LOW FIRE POSITION.
7. 1" MPT GAS CONNECTION. 5.5" W.C. INLET PRESSURE.
8. GAS PRESSURE GAUGE, 0 TO 115 INCHES W.C. 2.5" DIAMETER, 1/4" THREAD SIZE
9. 5 TON, DUAL CIRCUIT CE3/E3D MODULAR PACKAGED COOLING OPTION FOR SIZE 1 WITH MODULAR PACKAGED UNIT, INCLUDES CONDENSER, DX COIL, FILTER/DRYER KIT, THERMAL EXPANSION VALVE, R410A REFRIGERANT, AND REFRIGERANT PIPING RATED TO 3,000 CFM NOT BUILT WITH COMPOSITE SIDE CONTROLS OR OPPOSITE AIRFLOW DIRECTION. CONDENSERS REQUIRE SEPARATE 208V, 3 PHASE POWER SUPPLY UNLESS ORDERED WITH SINGLE POINT CONNECTION COIL = AT2050HT.
10. DOWNTURN PLENUM FOR SIZE 1 COOLING COIL MODULE - REQUIRED FOR DOWN DISCHARGE COOLING COIL APPLICATIONS
11. ROOF CURB, 24" HEIGHT, FOR SIZE 1 STANDARD & MODULAR UNITS - ALUMINUM CONSTRUCTION - SHIPPED KNOCKED DOWN
12. MIAMI DADE IMPACT AND WIND LOAD CERTIFICATION +36.7 / -36 PSF - MIAMI DADE COUNTY PRODUCT CONTROL APPROVED.
FLORIDA BUILDING CODE APPROVAL. ROOF MOUNT EXHAUST CURBS UP TO 20" HIGH MUST BE 16 GAUGE ALUMINIZED.
13. SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS. OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREWIRE PANEL, OR WITH DCV PACKAGE. PROVIDES SEPARATE 120VAC INPUT TO SUPPLY FAN. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM DCV TO MUA SWITCH.

MAKE-UP SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN ANSI PUBLICATION 200. 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"

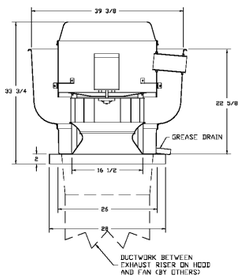
SUPPLY SIDE HEATER INFORMATION

WINTER TEMPERATURE = 25°F, TEMP. RISE = 30°F.
BTUH CALCULATED BY: TOTAL AIR DENSITY
INPUT BTUs AT ALTITUDE OF SEA FT. = 114647
INPUT BTUs AT ALTITUDE OF 50 FT. = 124833
OUTPUT BTUs AT ALTITUDE OF 1029 FT. = 112643
INPUT BTUs AT ALTITUDE OF 1029 FT. = 123561





FAN #1 DUBOHFA - EXHAUST FAN (F-1 QH-1)

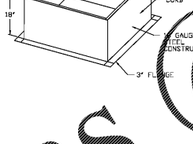


FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION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

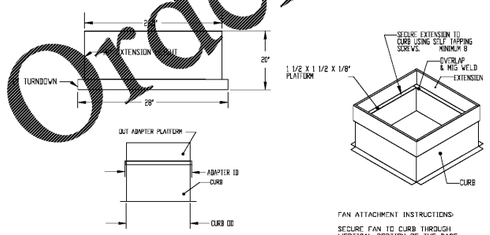
NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

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.

OPTIONS
GREASE BOX
MIAMI DADE CERTIFICATION - NOA
ALUMINUM UPBLAST
HINGE KIT - SHIPS LOOSE FOR CURB SUPPLIED BY OTHERS



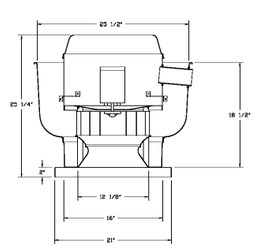
CURB EXTENSION ASSEMBLY



FAN ATTACHMENT INSTRUCTIONS:

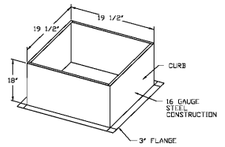
SECURE FAN TO CURB THROUGH VERTICAL PORTION OF THE BASE FLANGE USING A MINIMUM OF EIGHT (8) SUITABLE FASTENERS.

FANS #2 (F-2 BAKERY OVEN), #3 (F-3 BAKERY OVEN) - DUBOHFA EXHAUST FAN

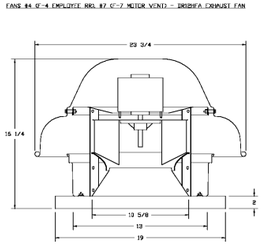


FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- UL705
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)

OPTIONS
MIAMI DADE CERTIFICATION - NOA-1
ALUMINUM UPBLAST
FCM WIRING PACKAGE - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL (1)(2) MOTORS, CCW ROTATION.
SCR-12 BIRD SCREEN.
1 15-BDD DAMPER.

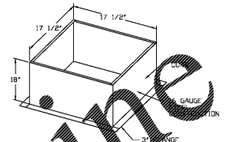


FANS #4 (F-4 EMPLOYEE RES.) #7 (F-7 MOTOR VENT) - DUBOHFA EXHAUST FAN

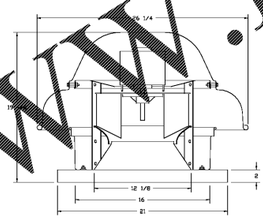


FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- UL705
- SAFETY DISCONNECT
- STANDARD BIRD SCREEN
- SPEED CONTROL

OPTIONS
FCM WIRING PACKAGE - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL (1)(2) MOTORS, CCW ROTATION.
1 12-BDD DAMPER.
MIAMI DADE CERTIFICATION - NOA-1
ALUMINUM UPBLAST 13

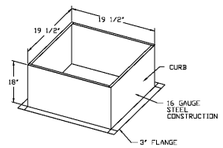


FAN #5 DUBOHFA - EXHAUST FAN (F-5 CUSTOMER)

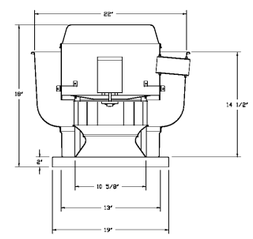


FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- UL705
- SAFETY DISCONNECT
- STANDARD BIRD SCREEN
- SPEED CONTROL

OPTIONS
1 15-BDD DAMPER.
FCM WIRING PACKAGE - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL (1)(2) MOTORS, CCW ROTATION.
MIAMI DADE CERTIFICATION - NOA-1
ALUMINUM DOWNBLAST 11.

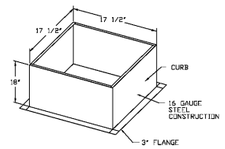


FAN #6 DUBOHFA - EXHAUST FAN (F-6 SCULLERY)

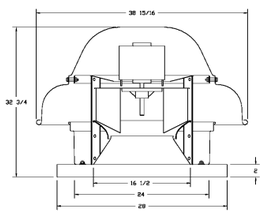


FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- UL705
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)

OPTIONS
FCM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL. MSC-12TLCD, CCW ROTATION.
SCR-12 BIRD SCREEN.
MIAMI DADE CERTIFICATION - NOA-1
ALUMINUM UPBLAST.
1 12-BDD DAMPER.

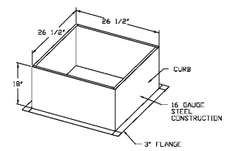


FAN #8 DUBOHFA - EXHAUST FAN (F-8 MOTOR PURGE)



FEATURES:
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- UL705
- SAFETY DISCONNECT
- STANDARD BIRD SCREEN
- SPEED CONTROL

OPTIONS
MIAMI DADE CERTIFICATION - NOA-1
ALUMINUM DOWNBLAST 18/20.
1 23-BDD DAMPER.
VAV PACKAGE W/ MANUAL CONTROL (VFD NOT INCLUDED)
VFD FACTORY MOUNTED AND WIRED IN EXHAUST FAN.
VFD MOUNTING BRACKET FOR BUYER (BD - 600)
EXHAUST FAN HEAT BAFFLE.



Order Plans @ WWW.LDILine.com

DWYER ENGINEERING
552 Fort Evans Rd, Suite 200
Leesburg, VA 20176
www.dwyer.com
GA.COA #PEF004622
EXPIRES 06/30/2022
PHONE 703-777-5388
EMAIL publix@dwyer.com

© THE DRAWINGS AND ALL INFORMATION CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF FISHER AND ASSOCIATES, AND SHALL NOT BE USED IN WHOLE OR IN PART FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF FISHER AND ASSOCIATES, AIA ARCHITECTS, PLANNERS, INTERIOR DESIGNERS, AND ENGINEERS. THE DRAWINGS, THE SPECIFICATIONS AND THE IDEAS, DESIGNS AND ARRANGEMENTS REPRESENTED THEREIN ARE AND SHALL REMAIN THE PROPERTY OF FISHER AND ASSOCIATES, AIA ARCHITECTS, PLANNERS, INTERIOR DESIGNERS, AND ENGINEERS. NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF FISHER AND ASSOCIATES, AIA ARCHITECTS, PLANNERS, INTERIOR DESIGNERS, AND ENGINEERS. VISUAL CONTACT WITH THESE DRAWINGS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

PUBLIX PROTOTYPE
BASIS OF DESIGN
20M
EXPANDED
RECEIVED: 09.14.18

CORPORATE OFFICES, FACILITIES DESIGN
BOX 407, LAKELAND, FL 33802
(863) 680-5295
PHYSICAL ADDRESS:
3300 AIRPORT RD., LAKELAND, FL 33811

Publix SUPER MARKETS

FISHER AND ASSOCIATES, LLC.
ARCHITECTS
PLANNERS
INTERIOR DESIGNERS
AND ENGINEERS
235 BELLEAIR RD. CLEARWATER FL. 33764 727.443.4495

EXHAUST FAN DETAILS
EAST COBB PUBLIX - #1745
EAST COBB CROSSING SHOPPING CENTER
ROSEWELL ROAD
MARIETTA, GA 30062

RELEASED FOR:	
BID	
PERMIT	07/16/20
CONSTR.	

REVISIONS:

This item has been digitally signed and sealed on the date shown using Electronic Signature Technology

07/16/2020

M-7

Issue Date: 04-01-20
Project No.: 220006

Revised: 2015