-	20		
Scale: NO SCALE	M-501		

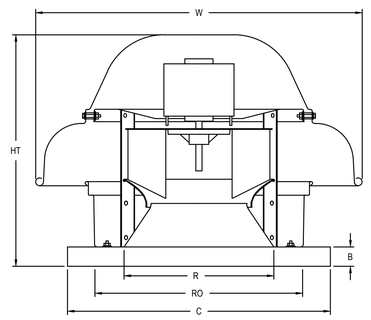
-	16		
Scale: NO SCALE	M-501		

DDFA DIRECT DRIVE

CENTRIFUGAL RADIAL EXHAUST FANS DIMENSIONAL DATA

FAN MODEL	HT	W	B	C	R	RO	WEIGHT LB
DD7FA	25-1/2	26-1/4	2	21	12-1/8	16	95

DRL/HFA SERIES RADIAL EXHAUST FANS



FEATURES:

- ROOF MOUNTED FANS
- UL705
- DISCONNECT SWITCH
- STANDARD BIRD SCREEN
- SPEED CONTROL

BACKDRAFT DAMPER
HINGED FAN
PITCHED CURB
INSULATED CURB

EXHAUST FAN (RESTROOM) DETAIL

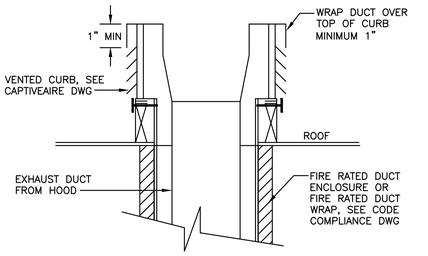
N.T.S.

-	19		
Scale: NO SCALE	M-501		

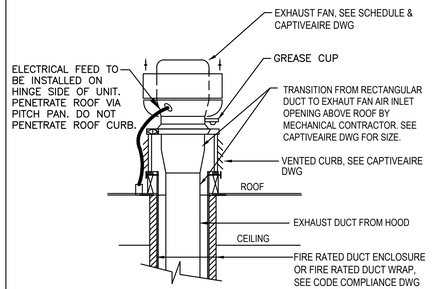
-	15		
Scale: NO SCALE	M-501		

DOWNBLAST ROOF EXHAUST FAN DETAIL	7		
Scale: NO SCALE	M-501		

GREASE DUCT SHALL BE FULLY WRAPPED OVER CURB PER DETAIL BELOW FOR EF-1 & EF-2.



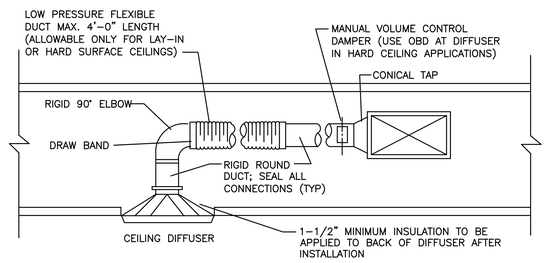
DUCT WRAP OVER CURB DETAIL	4		
Scale: NO SCALE	M-501		



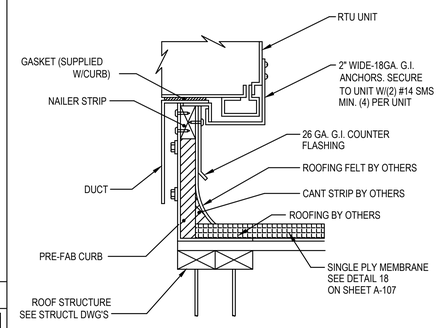
GREASE EXHAUST FAN DETAIL	3		
Scale: NO SCALE	M-501		

-	18		
Scale: NO SCALE	M-501		

-	14		
Scale: NO SCALE	M-501		



FLEX DUCT CONNECTION DETAIL	6		
Scale: NO SCALE	M-501		

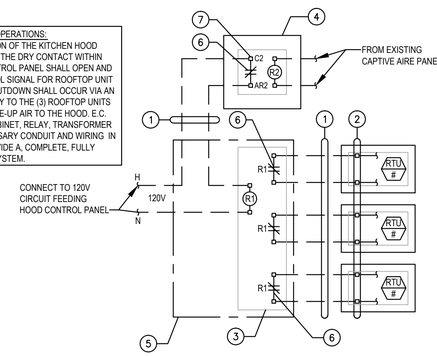


RTU UNIT CURB DETAIL	2		
Scale: NO SCALE	M-501		

-	17		
Scale: NO SCALE	M-501		

-	13		
Scale: NO SCALE	M-501		

SEQUENCE OF OPERATIONS:
UPON ACTIVATION OF THE KITCHEN HOOD ANSUL SYSTEM, THE DRY CONTACT WITHIN THE HOOD CONTROL PANEL SHALL OPEN AND SEND A CONTROL SIGNAL FOR ROOFTOP UNIT SHUTDOWN. SHUTDOWN SHALL OCCUR VIA AN ISOLATION RELAY TO THE (3) ROOFTOP UNITS SUPPLYING MAKE-UP AIR TO THE HOOD. E.C. TO PROVIDE CABINET, RELAY, TRANSFORMER AND ALL NECESSARY CONDUIT AND WIRING IN ORDER TO PROVIDE A, COMPLETE, FULLY FUNCTIONING SYSTEM.



LEGEND

1. (2) #12 CONTROL WIRES IN 1/2" CONDUIT BY E.C.
2. M.C. TO CONNECT INTO REMOTE UNIT SHUTDOWN TERMINAL ON CARRIER ROOFTOP UNIT CONTROL BOARD AND REMOVE JUMPER. REFER TO MANUFACTURER FOR ADDITIONAL INFORMATION.
3. DPDT 120V RATED RELAY BY E.C. ENERGIZE FOR FAILSAFE OPERATION.
4. HOOD CONTROL PANEL AT KITCHEN.
5. 12X12X6 NEMA 1 CABINET MOUNTED ON WALL ADJACENT TO KITCHEN HOOD BY E.C.
6. N.O. DRY CONTACT (SHOWN ENERGIZED) THAT OPENS IN FIRE CONDITIONS.
7. 120V RATED DRY CONTACT WITHIN CAPTIVE AIRE PANEL.

RTU CONTROL WIRING DIAGRAM	5		
Scale: NO SCALE	M-501		

-	1		
Scale: NO SCALE	M-501		

PANDA EXPRESS CHINESE KITCHEN

PANDA RESTAURANT GROUP INC.
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2-21-2017

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M-501

MECHANICAL DETAILS

TRUE WARM & WELCOME 2200