

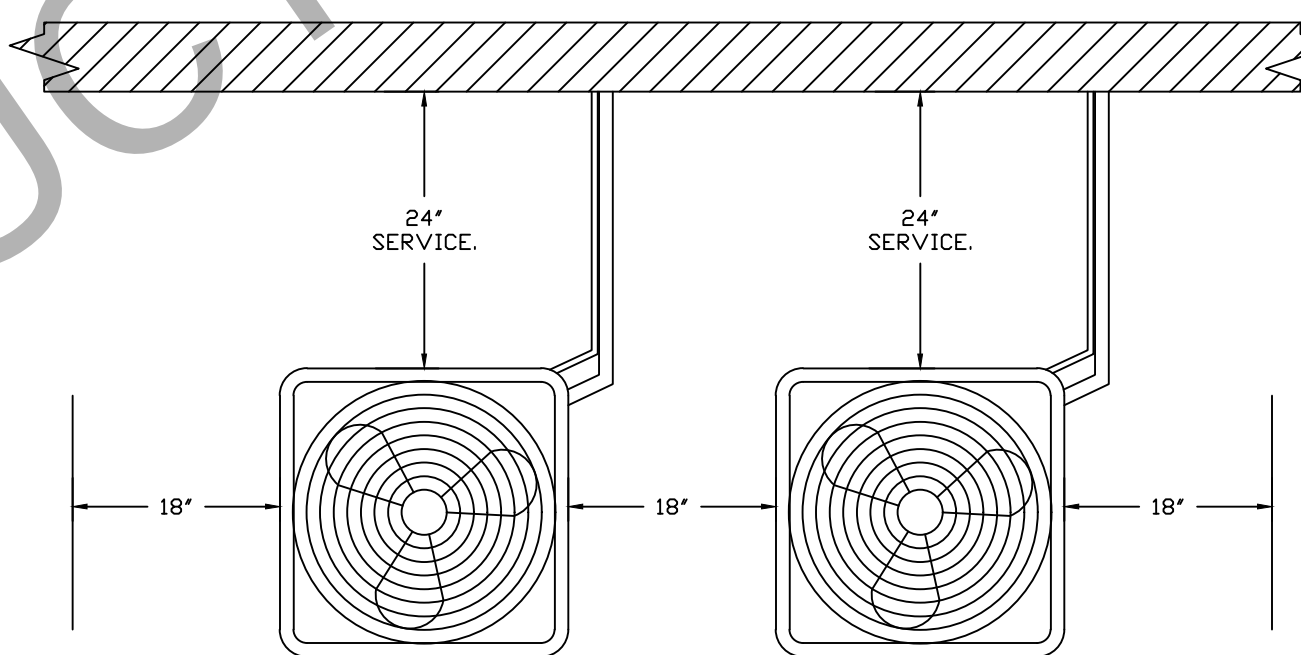
- NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED. DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRAGGABLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DUCT NOT TO BE SUPPORTED IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 24" x 24".

WINTER TEMPERATURE = 20°F. TEMP. RISE = 100°F.  
BTUs CALCULATED OFF ACTUAL AIR DENSITY.  
OUTPUT BTUs AT ALTITUDE OF 0.0 FT. = 488761.  
INPUT BTUs AT ALTITUDE OF 0.0 FT. = 531262.

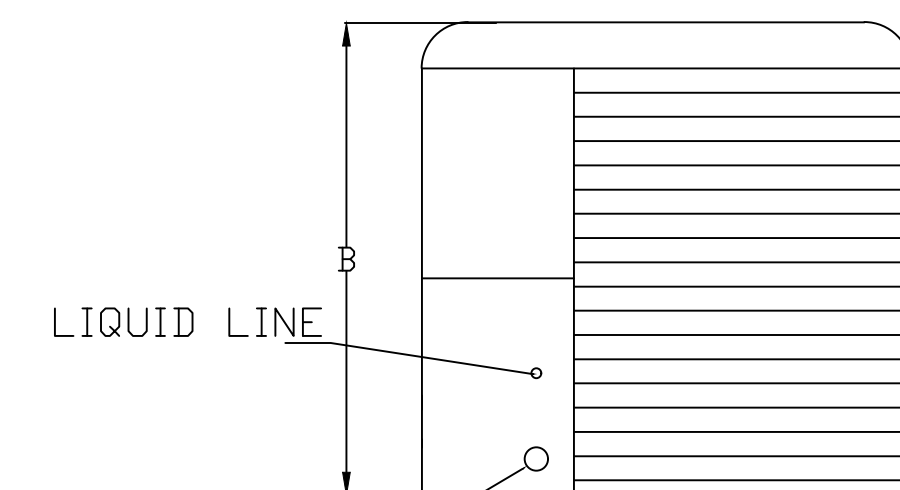
DOUBLE WALL DUCT BY MECHANICAL  
PLEASE USE CONTACT BELOW FOR PRICING

THE ANSUL GAS VALVE IS PROVIDED BY CAPTIVEAIRE SYSTEMS. CONTACT OUR OFFICE WITH THE VALVE SIZE 3 DAYS IN ADVANCE WHEN IT IS NEEDED ON SITE.

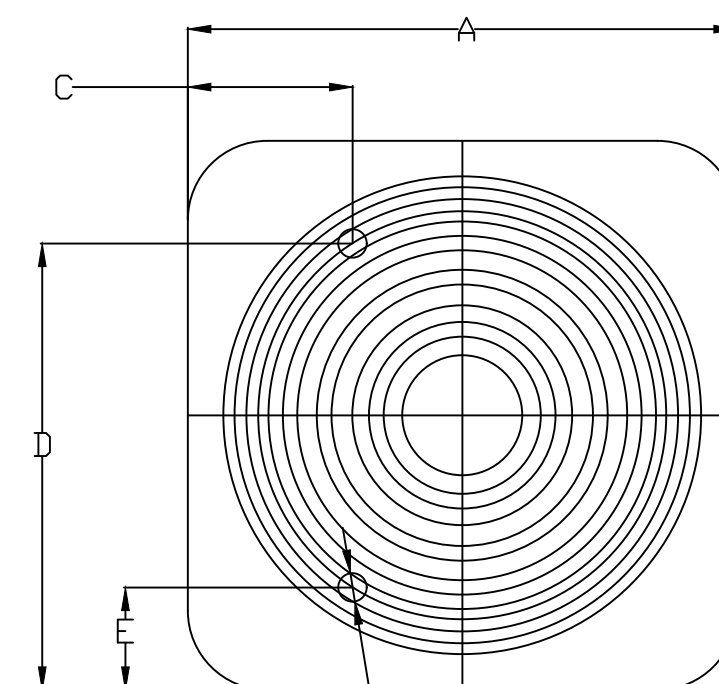
3002 DOW AVENUE, SUITE 410  
TUSTIN, CA 92780  
TEL: 714-957-1500 EMAIL: REG86@CAPTIVEAIRE.COM



48" CLEARANCE REQUIRED ABOVE CONDENSERS.  
(NOTE: \*\*CONDENSERS SHOWN HERE ARE NOT DRAWN AT SCALE)



SUCTION LINE-

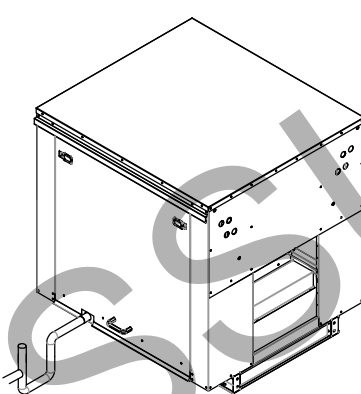


Ø3/8" TIEDOWN  
KNOCKOUTS (2) PLACES

UNIT DIMENSIONS						CONNECTION SIZES		NOMINAL TONNAGE	
MODEL	WEIGHT	A	B	C	D	E	SUCTION		LIQUID
24ABB360	190 LBS	31-3/16	25-1/2	9-1/8	24-11/16	6-9/16	7/8	3/8	5

MODEL	V-PH	RLA	MCA	FUSE SIZE
24ARB360	208/230-3	16.0	21.4	30

RECOMMENDED COOLING COIL  
DRAIN TRAP CONFIGURATION.



Refer to Plumbing Detail P-500 for  
AC Unit Condensate Drain

NOTES: Important: Copper above roof deck where it is exposed. PVC below roof deck

- 1) 1" DIAMETER PVC PIPE ONLY.
- 2) USE ONLY LOW PROFILE COUPLINGS.
- 3) ADD CLEAN OUT AS SHOWN.

### DIRECT FIRED PROFILE PLATE SPECIFICATIONS

DESCRIPTION: DIRECT FIRED BURNERS SHALL HAVE PATENTED (US PATENT NO. US6629523B2), SELF-ADJUSTING PROFILE PLATES DESIGNED TO ENSURE PROPER AIR VELOCITY AND PRESSURE DROP ACROSS THE BURNER. PROFILE PLATES SHALL ALLOW BURNERS TO ACHIEVE CLEAN COMBUSTION BY LIMITING BY-PRODUCT LEVELS TO A MAXIMUM OF 500 PPM OF CO, 100 PPM OF CYC AND 100 PPM OF NITROGEN DIOXIDE. DIRECT FIRED BURNERS SHALL BE CONFIGURED WITH THE BLOWER MOUNTED DOWNSTREAM OF THE BURNER. THIS ARRANGEMENT WILL ENSURE A CONSISTENT AIRFLOW, REGARDLESS OF INLET AIR TEMPERATURE.

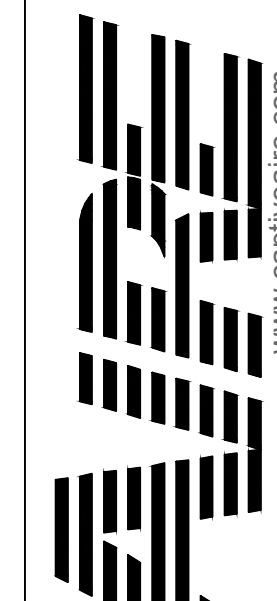
**APPLICATION:**  
SPRING-LOADED BURNER PROFILE PLATES ARE ENGINEERED TO AUTOMATICALLY REACT TO THE MOMENTUM OF A FRESH AIR STREAM, WITHOUT THE NEED FOR ANY MOTORS OR ACTUATORS TO MECHANICALLY ADJUST THEM WITH THIS FEATURE. ALL OF OUR UNITS ARE DESIGNED FOR DEMAND CONTROL VENTILATION (DCV) REQUIREMENT

CERTIFICATIONS:  
ALL PROFILE PLATE ASSEMBLIES SHALL BE INCLUDED IN THE DF UNIT'S ETL LISTING AND COMPLY WITH COMBINED SAFETY STANDARDS ANSI Z83.4 AND CSA 3.7 (NON-RECIRCULATING DF HEATERS) AND ANSI Z83.18 (RECIRCULATING DF HEATERS).

GENERAL CONSTRUCTION:

- PROFILE PLATES SHALL BE FORMED FROM G90 GALVANIZED STEEL.
- PROFILE PLATES SHALL VARY IN SIZE PER UNIT.
- PROFILE PLATES SHALL BE MOUNTED ALONG THE SAME PLANE AS THE DISCHARGE OF THE BURNER
- DESIGN SHALL INCORPORATE PROPERLY TORQUED, PERMANENTLY MOUNTED SPRING HINGES.
- SPRING HINGES SHALL BE MADE FROM PLATED STEEL.

REVISIONS	
DESCRIPTION	DATE
△	
△	
△	
△	



**Southern California Office**

Panda Express - Concord NC (D8698)  
CONCORD, NC, 28027

**DATE:** 2/23/2022

**DWG.#:**  
5343821

**DRAWN BY:** AH-86

**SCALE:**  
3/4" = 1'-0"

**MASTER DRAWING**

**SHEET NO.**  
6



**PANDA RESTAURANT GROUP INC.**  
1683 Walnut Grove Ave.  
Rosemead, California  
91770  
Telephone: 626.799.9898  
Facsimile: 626.372.8288

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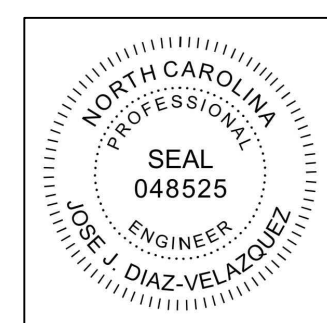

1	03.04.2022 ISSUE FOR PERMIT

PANDA PROJECT #: - S8-22-D8698  
C&P PROJECT #: - 2210806



2600 Maitland Center Parkway  
Suite #200  
Maitland, FL 32751  
P (407) 661-9100  
F (407) 661-9101  
c-p.com

03.04.2022



# PANDA EXPRESS

TRUE WARM AND WELCOME 2200  
3030 DERITA ROAD  
CONCORD, NC 28027

# M-405

HOOD DETAIL PLAN

TRUE WARM & WELCOME 2200 R4