FAN #1 AI-15D-MPU - SUPPLY FAN (MAU-1)
1. SUPPLY UNIT WITH 15" DIRECT DRIVE FAN IN SIZE #1 HOUSING
2. INTAKE HOOD WITH EZ FILTERS
3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT
4. INSULATED BLOWER HOUSING SIZES 1-2 COMMERCIAL MODULAR
5. GRAVITY BACK DRAFT DAMPER, 16" WIDE X 18" HIGH, STANDARD GALVANIZED CONSTRUCTION, 1 1/4" REAR FLANGE, FOR SIZE 1 UNTEMPERED FAN HOUSING (5181)
6. SUPPORT SHELL FOR SIZE 1 MODULAR PACKAGE UNIT. INCLUDES CONTROL VESTIBULE. INCLUDES CONDENSER SUPPORTS. DOES NOT INCLUDE RETURN AIR OR INLET AIR DAMPER.
7. 5 TON, DUAL CIRCUIT (2.5/2.5) MODULAR PACKAGED AC COOLING OPTION FOR SIZE 1 MODULAR PACKAGED UNIT. INCLUDES CONDENSER, DX COIL, FILTER/DRYER KIT, THERMAL EXPANSION VALVE, R410A REFRIGERANT, AND REFRIGERANT PIPING. (750 TO 1,350 CFM) NOT BUILT WITH OPPOSITE SIDE CONTROLS OR OPPOSITE AIRFLOW DIRECTION. CONDENSERS REQUIRE SEPARATE 208V, 3 PHASE POWER SUPPLY UNLESS ORDERED WITH SINGLE POINT CONNECTION. COIL = REV1403
8. CONTROL PACKAGE FOR MOD PACKAGE UNIT COOLING ONLY UNIT. INCLUDES AIRFLOW PROVING SWITCH, RTU-LINK-ACMP BOARD AND TERMINAL BLOCKS.
9. SIZE 1 MPU REHEAT OPTION. REHEAT USES WARM LIQUID REFRIGERANT. REHEAT RUNS CONTINUOUSLY IN STAGE 1 CIRCUIT. OPTION SHOULD NOT BE USED IF ENTERING AIR DEW POINT IS BELOW 65 DEGREES F. NOMINAL CAPACITY 7.6 MBH. INCREASES MAX CFM TO 1460.
10. CONDENSER SLED OPTION FOR SIZE 1 DOUBLE CONDENSER MPUS. CONDENSERS MOUNTED ON OPPOSITE SIDE OF UNIT CONTROLS. OPTION REDUCES HEIGHT OF UNIT. SKID WIDTH IS 79".
11. LOCKING CAPS FOR DOUBLE CONDENSER UNITS. CONSISTS OF 4 LOCKING CAPS. PART# NCP-4, AND 1 KEY, PART# NC-KEY.
12. 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.

NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE UNLESS OTHERWISE SPECIFIED. 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" x 48" LONG.

PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

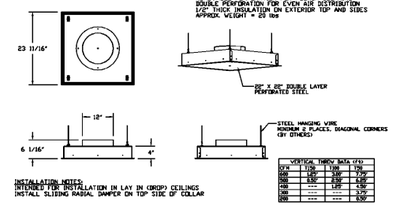
SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE

Typical Drain Trap Install

Recommended Cooling Coil Drain Trap Configuration

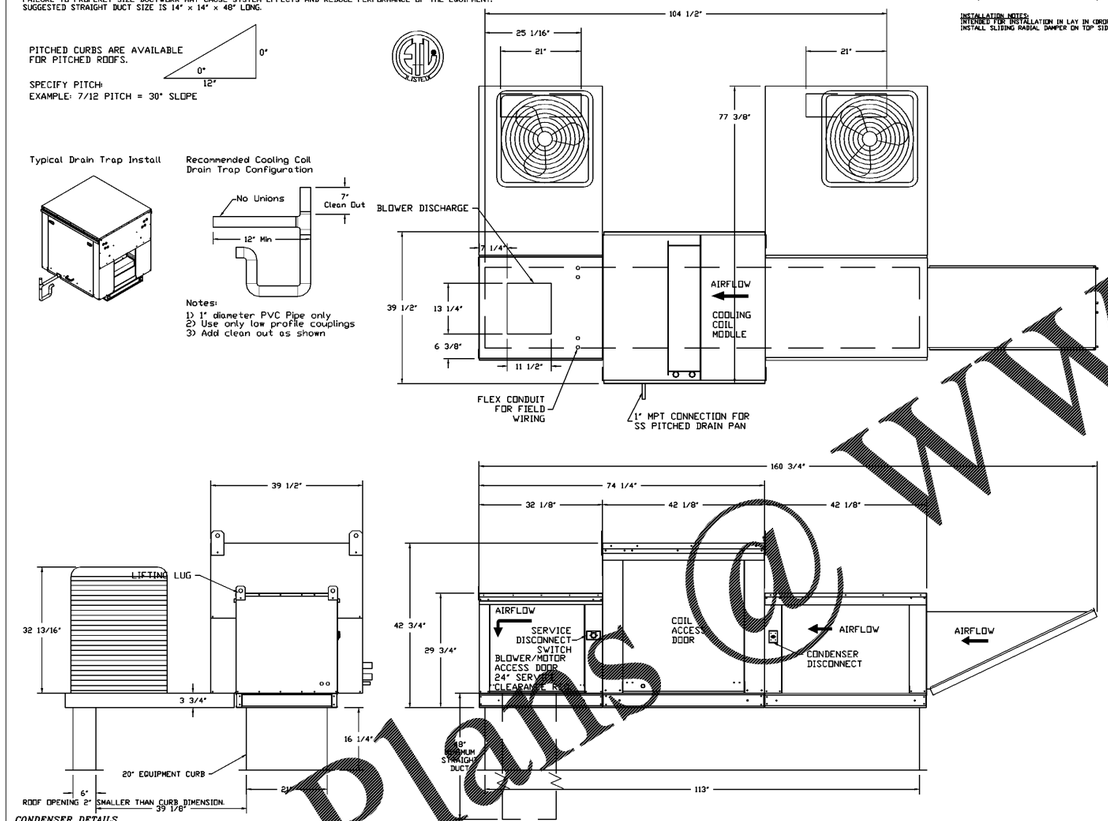
Notes:
1) 1" diameter PVC Pipe only
2) Use only low profile couplings
3) Add clean out as shown

QTY 2-DROP-IN PERFORATED SUPPLY PLENUM DIFFUSER (DI-PSP)



VERTICAL THROW DATA (FT)			
V.V.	TEMP.	V.B.	TEMP.
150	----	150	4.5°F
125	----	125	4.5°F
100	----	100	4.5°F
75	----	75	4.5°F
50	----	50	4.5°F

INSTALLATION NOTES:
INTENDED FOR INSTALLATION IN LAY IN (GRID) CEILINGS
INSTALL SLIDING RADIAL DAMPER ON TOP SIDE OF COLLAR



CONDENSER DETAILS

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CONDENSER NO.	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX. FUSE SIZE	MIN. WIRE SIZE	SEER
1	MAU-1	AI-15D-MPU	1	2.5	208-230	3 PHASE	60 Hz	11.2 Amps	9.07 Amps	20 Amps	14 AWG	14
			2		208-230	3 PHASE	60 Hz	11.2 Amps	9.07 Amps	20 Amps	14 AWG	14

MUA FAN INFORMATION - Job#3538218

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	H.P.	B.H.P.	#	VOLT	FLA	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	REHEAT COIL LEAVING WB TEMP.	REHEAT COIL LEAVING WB TEMP.	REHEAT COIL CAPACITY	WEIGHT (LBS.)	SONES
1	MAU-1	AI-15D-MPU	15M	060	-	1100	0.375	1592	0.750	0.5730	3	208	2.5	92.0°F	76.0°F	66.2°F	66.2°F	60.0 MBH	30.8 MBH	30.0 MBH	72.5°F	62.4°F	7.6 MBH	1257	18.6

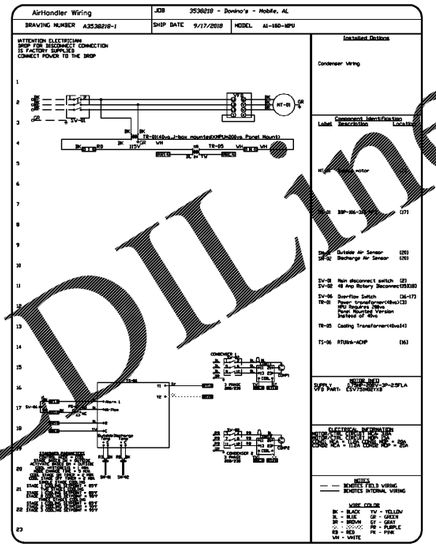
FAN OPTIONS

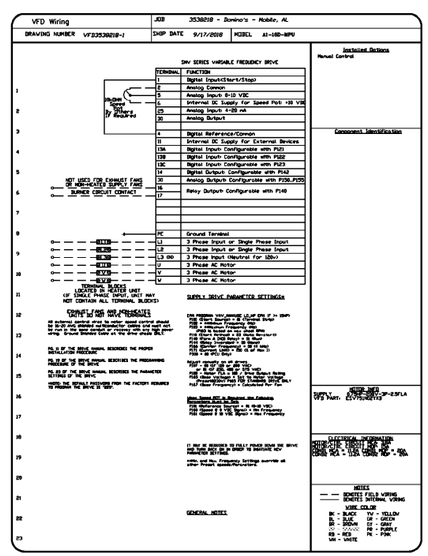
FAN UNIT NO.	TAG	OPTION (QTY) - (Note #)
		1 - Insulated Blower Section for Size 1 Commercial
		1 - Gravity Backdraft Dampers for Size 1 Housing
		1 - Condenser Support for Size 1 Mod Package Unit
		1 - 5 Ton, 2 Circuit (2.5/2.5) Modular Packaged AC Cooling Option for Size 1 MUA (750 to 1350 cfm) 208V/230V, 3 phase. Cooling Thermostat or Programmable Stat Required for Proper Operation.
1	MAU-1	1 - Mod Package Unit AC Controls for Untempered Fans
		1 - Size 1 MPU Reheat Option. Reheat uses warm liquid refrigerant. Reheat runs continuously in stage 1 circuit. Option should not be used if entering air dew point is below 65 degrees F. Nominal capacity 7.6 MBH.
		1 - Condenser Sled Option for size 1 double condenser MPUs.
		1 - Condensing Unit Locking Caps for Double Condenser Units.
		1 - VAV Package w/ Manual Control for Non Tempered Units (VFD Included)
		1 - VFD factory mounted and wired in Untempered Supply Fan.

CURB ASSEMBLIES

NO.	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	MAU-1	63 LBS	Curb	21.000"W x 113.000"L x 20.000"H Insulated
	# 1			Rail	6.000"W x 21.000"L x 20.000"H
	# 1			Rail	6.000"W x 21.000"L x 20.000"H

MAKE UP AIR UNIT, MAU1 TO BE SUPPLIED BY RPM PIZZA AND AND INSTALLED BY THE HVAC CONTRACTOR.





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REVISIONS

DESCRIPTION	DATE

CLIENT PROJECT #	5879
ARCHITECTURAL PROJECT NO.:	385-071
DRAWN BY:	RLJ
CHECKED BY:	MMM

DOMINOS PIZZA
30 FRANK LLOYD WRIGHT DRIVE
ANN ARBOR, MI 48105
TEL: 314.910.8560

Domino's

DOMINO'S PIZZA
#5879
3871 AIRPORT BLVD.
MOBILE, AL 36608

NO.	REVISIONS:	DATE:

PLANNING REVIEW ISSUE DATE:	N/A
CLIENT REVIEW ISSUE DATE:	09/13/2018
LANDLORD REVIEW ISSUE DATE:	09/13/2018
BID ISSUE DATE:	09/24/2018
HEALTH DEPT. REVIEW ISSUE DATE:	09/24/2018
BUILDING REVIEW ISSUE DATE:	09/24/2018
CONSTRUCTION ISSUE DATE:	09/24/2018

Domino's - Mobile, AL
3871 Airport Blvd,
MOBILE, AL, 36608

DATE: 9/6/2018

DWG.#: 3538218

DRAWN BY: RJH-80

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

MASTER DRAWING

SHEET NO. 1

DRAWING TITLE:
MECHANICAL
HOOD DETAILS

DRAWING NUMBER:
M4.0

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