

EXISTING GAS FURNACE SCHEDULE

TAG	MODEL	MANUFACTURER	DESCRIPTION	TONS	SUPPLY AIR CFM	O.A. CFM	COOLING MBH			SYSTEM SEER	CONNECTED COOLING COIL	GAS HEATING MBH		FURNACE EFFICIENCY	V/PH/HZ	MCA	MOCP	WEIGHT LBS	REMARKS
							TOTAL	SENSIBLE	EER			INPUT	OUTPUT						
F-1	GKDA100-E3N-1	COMFORT-AIRE	GAS FURNACE	2.5	1000	-	-	-	-	14	EHD4X30AAL1	100	80	80%	115/1/60	7.1	15	115	ABGI
CU-1	NXA430GKC101	TEMPSTAR	CONDENSING UNIT	2.5	-	-	30.00	22.73	12.0	-	-	-	-	208/1/60	16.8	25	186	ACDEFI	

REMARKS:

- A. ALL HVAC EQUIPMENT TO BE FIELD LABELED TO IDENTIFY WHICH AREAS OF THE BUILDING THEY SERVICE.
- B. PROVIDE SIDE FILTER RACK.
- C. PROVIDE CYCLE PROTECTOR, EVAP. FREEZE THERMOSTAT, LOW PRESSURE SWITCH, LOW-AMBIENT CONTROLLER, AND STARTER.
- D. COMPRESSOR START ASSIST, THERMOSTATIC EXPANSION VALVE (RPB), TIME-DELAY RELAY.
- E. PROVIDE UNIT WITH 120 VOLT RECEPTACLE.
- F. 1H/1C, AUTO/MANUAL CHANGEOVER, ELECTRONIC PROGRAMMABLE, DELUXE 7-DAY THERMOSTAT. FURNISH THERMOSTAT THAT CAN BE LOCKED THROUGH PROGRAMMING TO AVOID THE NEED FOR COVERS.
- G. RUN CONDENSATE TO NEAREST FLOOR DRAIN OR TO EXTERIOR. SEE DETAIL D/THIS PAGE.

DIFFUSERS & GRILLES SCHEDULE

TAG	MFG.	MODEL	MODULE	BORDER	NECK SIZE	REMARKS
SD-1	PRICE	APDN	24" X 24"	T-BAR LAY-IN	8"ø	ABCDEF

REMARKS:

- A. PROVIDE TRANSITION AS REQUIRED.
- B. COLOR SHALL BE #26 WHITE.
- C. FULLY ADJUSTABLE.
- D. PROVIDE VOLUME DAMPERS IN TAKEOFFS WHERE ACCESSIBLE. WHERE DAMPERS ARE NOT ACCESSIBLE, PROVIDE AG-75 OPPOSED BLADE DAMPER AT DIFFUSER.
- E. SEE CEILING GRID DIFFUSER DETAIL E/M2.02.

EXHAUST FAN SCHEDULE

TAG	MODEL#	AREA SERVED	CFM	ESP	FAN RPM	VOLTS/PHASE	FLA	(HP)	WATTS	SONES	WEIGHT (LBS)	REMARKS
EF-1	SP-B80	RESTROOM	79	0.11	900	115/60/1	0.16	-	18	0.5	9	ABCDEF

REMARKS:

- A. ENERGY STAR RATED CEILING EXHAUST FAN WITH BACKDRAFT DAMPER.
- B. ALUMINUM GRILLE WITH WHITE ENAMEL FINISH.
- C. THERMAL OVERLOADS.
- D. DISCONNECT SWITCH.
- E. FAN OPERATION TIED TO BATHROOM LIGHTS
- F. HANGING ISOLATION KIT.

KITCHEN EXHAUST FAN SCHEDULE

TAG	MODEL#	AREA SERVED	CFM	ESP	FAN RPM	VOLTS/PHASE	FLA	(HP)	BHP	SONES	WEIGHT (LBS)	REMARKS
KEF-1	DU50HFA	KITCHEN HOOD	1050	0.9	1485	115/60/1	6.3	0.5	0.331	15.6	78	ABCDEF

REMARKS:

- A. SEE CAPTIVE-AIRE DRAWINGS FOR FULL EXHAUST FAN INFORMATION, INCLUDING ROOF CURB INFORMATION, FEATURES, AND DETAILS.

MAKEUP AIR UNIT

TAG	MODEL	MANUFACTURER	BLOWER	SUPPLY AIR CFM	ESP	RPM	GAS HEATING BTUs INPUT	GAS HEATING BTUs OUTPUT	FURNACE EFFICIENCY	HP	BHP	V/PH/HZ	FLA	MCA	MOCP	SONES	WEIGHT (LBS)
MAU-1	D76	COMFORT-AIRE	G7D	1000	0.40	1754	71,420	65,706	92%	1.0	0.529	115/1/60	11.6	14.5	25	22	321

REMARKS:

- A. SEE CAPTIVE-AIRE DRAWINGS FOR FULL DETAILS AND INFORMATION.

EXISTING VRF SPLIT SYSTEM

TAG	MODEL	CFM RANGE	COOLING BTU/H	HEATING BTU/H	SEER	V-P-HZ	MCA	MOCP	SOUND DB(A)	UNIT WEIGHTS	REMARKS
			TOTAL	TOTAL							
AC-1	CHP024CD-2B(I)	320-425	23,000	24,000	16	-	1	15	36-43	30 LBS	ABC
HP-1	CHP024CD-2B(O)	-	23,000	23,000	-	208/230-1-60	15	20	46	111 LBS	DEF

REMARKS:

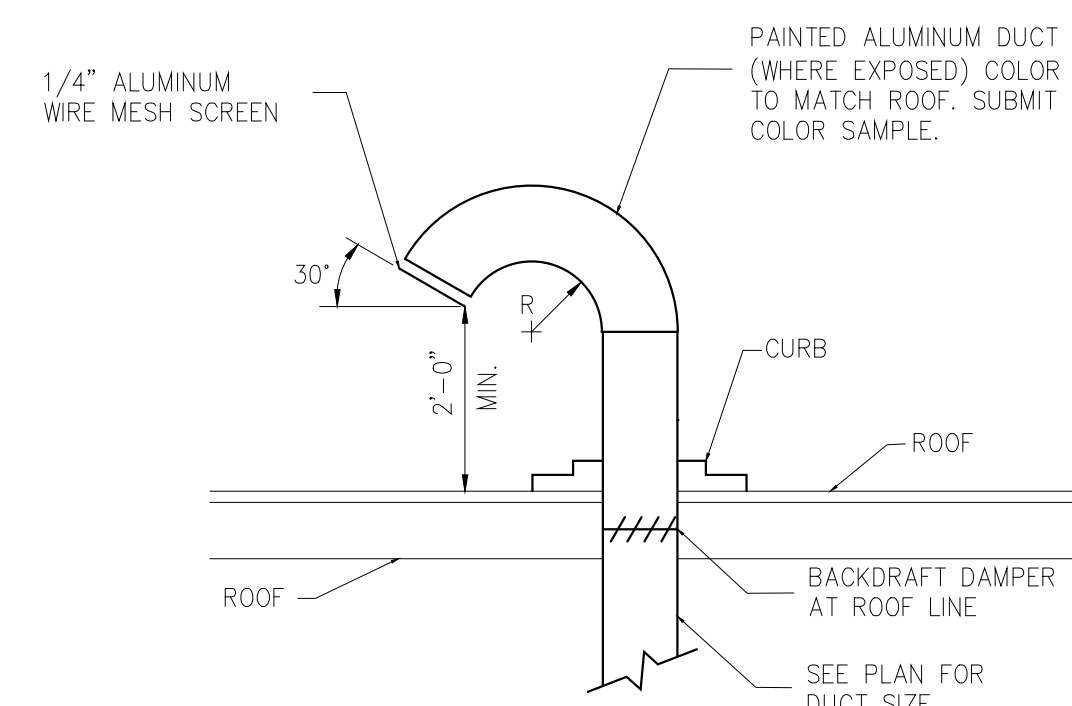
- A. INDOOR UNIT POWERED FROM OUTDOOR UNIT.
- B. 24V REMOTE WALL THERMOSTAT.
- C. CONTRACTOR TO RUN NEW CONDENSATE LINE TO NEAREST FLOOR DRAIN. SEE DETAIL B/THIS PAGE.
- D. NOMINAL 16 SEER AIR CONDITIONER WITH R-410A REFRIGERANT.
- E. EVAP. FREEZE THERMOSTAT, LOW-AMBIENT CONTROL, SUPPORT FEET.

Ventilation Schedule - ASHRAE 62.1 - 2018

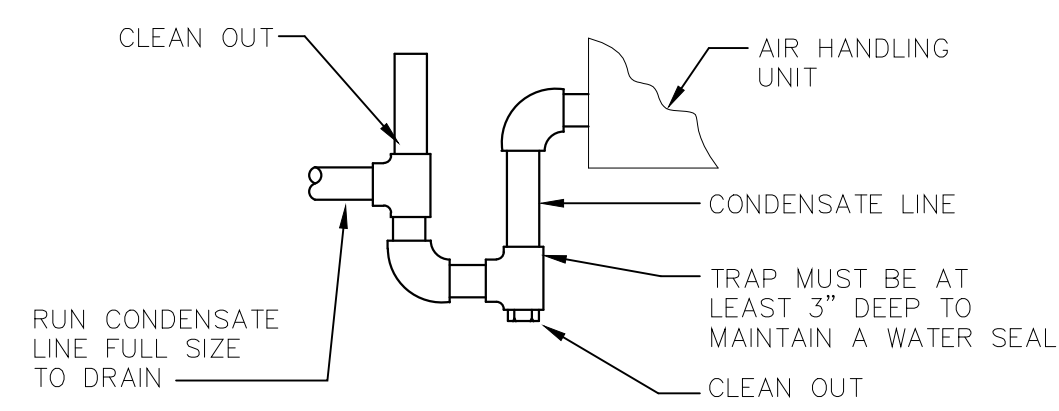
Job# and Name: #4323 - Donut Stop	Table 6-1											HVAC
	Az	Occupancy Category	Rp	Ra	Pz	Rp x Pz	Az x Ra	OA	Air	Voz	Remarks	
Room Name & #	sqft	Category	cfm/p	cfm/sqft	people	cfm	cfm	cfm	cfm	cfm	cfm	cfm
1.) Kitchen	613.3	Kitchens (cooking)	0	0	2	0	0	0	0.8	0		
2.) Front Sales	432	Sales	7.5	0.12	2	15	52	67	0.8	84		
3.) Laundry Room	39.7	Storage Rooms	0	0.12	1	0	5	5	0.8	5.955		
						Total Outside Air CFM	72					FC-1 is to bring in 95 CFM of outside air via new 6" duct
						Total Voz	90					

Remarks:

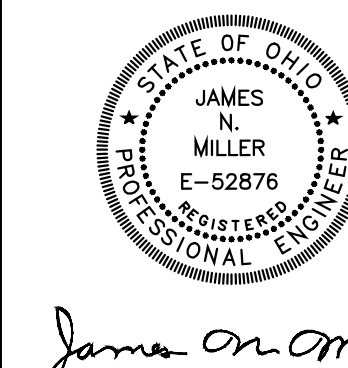
- (6-1) $V_{bz} = R_p P_z + R_a A_z$ Breathing Zone Outdoor Airflow
- A_z = Zone floor area. Net occupied floor of the zone (ft²)
- R_p = Outdoor airflow rate required per person
- R_a = Outdoor airflow rate required per unit area
- P_z = Zone population
- E_z = Zone air Distribution Effectiveness
- (6-2) $V_{oz} = V_{bz} / E_z$ Zone Outdoor Airflow



A DUCT THRU ROOF
NOT TO SCALE



B CONDENSATE DRAIN PIPING DETAIL
NOT TO SCALE



tenant finish for:
the Donut Spot
5130 Pleasant Avenue
Fairfield, OH 45014

NO.	ISSUE DESCRIPTION	DATE
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Sheet Title
SCHEDULES - MECHANICAL

Issued For Permit Date
02-18-2021

Scale
NONE

Drawn By
JJR

21001
M2.0

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