

FLOOR PLAN - MECHANICAL
SCALE: 3/8" = 1'-0"

GENERAL NOTES

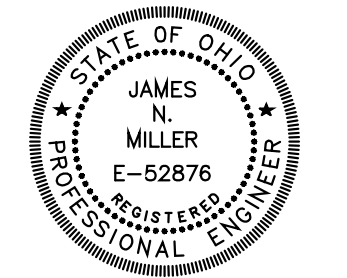
- THOROUGHLY CLEAN ALL EXISTING DUCTWORK, DIFFUSERS GRILLS AND HVAC EQUIPMENT THAT ARE REMAINING.
 - PER ASHRAE SECTION 406. ROOMS WITH OCCUPANCY CLASSIFICATIONS OF "KITCHENS(COOKING)" ONLY REQUIRE 0.7 CFM/SqFt OF EXHAUST.
 - KITCHEN SqFt = 613.3.
 - 613.3 SqFt x 0.7 CFM/SqFt = 429.3 CFM
 - NEW KITCHEN EXHAUST HOOD IS TO EXHAUST 1,050 CFM FROM NEW KITCHEN SPACE
- 1,050 CFM > 429.3 CFM

KEY NOTES

- EXISTING 4" X 4" WALL CAP WITH BACKDRAFT DAMPER TO REMAIN.
- NEW 6" X 6" WALL CAP WITH BACKDRAFT DAMPER. ENSURE EXHAUST OUTLET IS AT LEAST 10' FROM THE NEAREST AIR INTAKE. PAINT TO MATCH BUILDING EXTERIOR. SEAL NEW EXTERIOR WALL PENETRATION WATER TIGHT.
- TAKE 4" DRYER EXHAUST DUCT UP INTO CEILING SPACE AND CONTINUE RUN TO EXTERIOR WALL.
- REPLACE AND INSTALL NEW EXHAUST FAN IN THE SAME LOCATION AS THE EXISTING FAN. CONNECT NEW EXHAUST INTO EXISTING EXHAUST DUCTWORK.
- EXISTING GAS FURNACE TO REMAIN.
- REMOVE ALL DUCTWORK BEYOND THIS POINT. CAP EXISTING SUPPLY TRUNK AIR TIGHT.
- EXISTING CONDENSATE LINE OUT THROUGH EXTERIOR WALL. EXTEND PVC LINE ALL THE WAY DOWN EXTERIOR WALL TO GRADE. TO PREVENT DRIPAGE AND WATER DAMAGE ON EXTERIOR WALL.
- EXISTING CONDENSER (CU-1) ON ROOFTOP ABOVE NEW DONUT SPOT. THE UNIT IS TO REMAIN AS IS.
- EXISTING COOLING COILS TIED TO CU-1. EQUIPMENT TO REMAIN AS IS.
- CONTRACTOR IS TO RELOCATE VRF MINI-SPLIT SYSTEM FROM PREVIOUS DONUT SHOP SPACE, TO THIS LOCATION IN THE NEW SPACE. BOTTOM OF UNIT MOUNTED AT 7 FEET ABOVE FLOOR. RUN REFRIGERANT LINES TO ROOFTOP. SEAL ROOF PENETRATION WATER TIGHT AND FOLLOW ALL MANUFACTURERS INSTALLATION INSTRUCTIONS.
- KITCHEN EXHAUST FAN MOUNTED ON ROOFTOP. TAKE 10" DUCT FROM KITCHEN HOOD TO EXHAUST FAN ON ROOFTOP. ENSURE EXHAUST FAN IS AT LEAST 10' FROM THE NEAREST AIR INTAKE. SEE CAPTIVE-AIRE DRAWINGS FOR CURB DETAILS.
- MOVE EXISTING THERMOSTAT TO THIS LOCATION.
- NEW 6" DUCT FROM EXISTING RETURN DUCT, UP THROUGH ROOFTOP. SEAL ROOF PENETRATION WATER TIGHT. DUCT TO BRING IN 95 CFM OF OUTSIDE AIR THROUGH FC-1 RETURN. SEE DETAIL A/M2.0.
- BRING 10" X 10" DUCT FROM ROOFTOP MOUNTED MAKE-UP AIR UNIT, DOWN INTO CEILING SPACE. TIE DUCTWORK INTO KITCHEN HOOD AS SHOWN.
- MAKEUP AIR UNIT ON ROOFTOP. CONTRACTOR TO INSTALL PITCHED ROOF CURB SELECTED BY CAPTIVEAIRE.
- RELOCATED HEAT PUMP FROM ORIGINAL SPACE. CONTRACTOR TO BUY, PITCHED ROOF STAND FROM MANUFACTURER. OR CREATE PLATFORM ON THE ROOFTOP FOR THE HEAT PUMP.
- REMOVE EXISTING RETURN GRILL AND INSTALL NEW 24" X 24" RETURN GRILL. CONNECT IT TO EXISTING RETURN DUCTWORK.

HVAC LEGEND

	NEW RECTANGULAR DUCTWORK AND SIZE
	ROUND DUCTWORK
	EXISTING DUCTWORK AND SIZE
	BALANCING DAMPER
	TURNING VANES
	HVAC UNIT
	THERMOSTAT
	SUPPLY AIR DIFFUSER
	RETURN GRILLE
	EXHAUST GRILLE
	SUPPLY REGISTER
	RETURN GRILLE
	EXHAUST REGISTER
	NEW WORK DRAWING NOTE SYMBOL
	CONNECT TO EXISTING



James N. Miller

**HERNDON
ENGINEERING
SERVICES, Inc.**

5870 Cook Road Suite B
Milford, Ohio 45150
Phone: (513) 948-1333
Email: herndon@herndoneng.com

tenant finish for:

the Donut Spot

5130 Pleasant Avenue
Fairfield, OH 45014

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FLOOR PLAN - MECHANICAL

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Scale: AS SHOWN
Drawn By: JJR

21001 M1.0 Donut Spot

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