

1 FLOOR PLAN - MECHANICAL  
1/4" = 1'-0"

**GENERAL NOTES:**

- MOUNT ALL DUCTWORK TIGHT TO STRUCTURE EXCEPT WHERE NOTED.
- DO NOT PENETRATE KITCHEN EXHAUST HOODS OR DUCTWORK WITH ANY TYPE OF FASTENING ASSEMBLY (I.E. SCREWS, RIVETS).
- REFER TO SCHEDULES ON SHEET MS.1 FOR FURTHER INFORMATION ON MECHANICAL EQUIPMENT AND AIR DEVICES.
- ALL PROVIDED DUCT DIMENSIONS ARE METAL-TO-METAL LENGTHS. CONTRACTOR TO PROVIDE INSULATION WRAP ON DUCT EXTERIOR FOR ALL CONCEALED DUCT.

**CODED NOTES:**

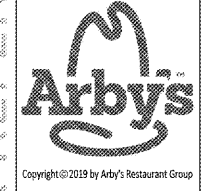
- UP TO EE ON ROOF. SEE SHEET MS.1 FOR CONTINUATION.
- PROVIDE LED TOUCHSCREEN (WITH CONTROL) BY MODEL 2400 PROGRAMMABLE THERMOSTAT MOUNTED AT 48" AFF. COORDINATE EXACT LOCATION WITH OWNER.
- UP TO RTU ON ROOF. SEE SHEET MS.1 FOR CONTINUATION.
- REMOTE TEMPERATURE SENSOR MOUNTED IN RETURN AIR DUCT FOR RTU-1. WIRE BACK TO THERMOSTAT IN OFFICE.
- REMOTE TEMPERATURE SENSOR MOUNTED IN RETURN AIR DUCT FOR RTU-2. WIRE BACK TO THERMOSTAT IN OFFICE.
- PROVIDE AUDIO/VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET FOR RTU-1 SMOKE DETECTOR MOUNTED AT 48" AFF.
- PROVIDE AUDIO/VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET FOR RTU-2 SMOKE DETECTOR MOUNTED AT 48" AFF.

PROVIDE TYPE 1 KITCHEN EXHAUST DUCTWORK FROM KITCHEN EXHAUST HOOD TO EF-1 ON ROOF. DUCTWORK TO BE A MINIMUM 16 GAUGE CARBON STEEL WITH CONTINUOUSLY WELDED LIQUID TIGHT SEAMS. PROVIDE GREASE RESERVOIR AS REQUIRED BY IMC 506.3.7 AND DUCT CLEANOUTS AS REQUIRED BY IMC 506.3.8. DUCTWORK SHALL BE INSULATED WITH 2-HOUR FLEXIBLE BLANKET TYPE FIRE WRAP WITH A FLAME SPREAD INDEX AT NOT MORE THAN 5 AND A SMOKE DEVELOPED INDEX NOT EXCEEDING 5. WHEN TESTED PER ASTM E-84 METHOD, WRAP SHALL COMPLY WITH ALL 5 FIRE TESTS OF STANDARD ASTM E-2236. GREASE DUCT ENCLOSURE SYSTEM, AND DUCT FIRESTOP SYSTEM BE ASTM E-814 CLASSIFIED. FABRICATED DUCT WRAP ENCLOSURE WITH 2 LAYERS OF WRAP TO PROVIDE 2-HOUR FIRE RATING. ALL DUCT ELBOWS ARE TO BE RADIUS ELBOWS.

- PROVIDE RETURN GRILLE TO UNDERSIDE OF RETURN AIR DUCT.
- AVOID ROUTING DUCTWORK ABOVE MARKED DINING ROOM SOFFIT AREA.

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**ARBY'S RESTAURANT**  
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PROJECT NUMBER: ARF149	
ISSUE	DATE
OWNER REVIEW	AUG 7, 2019

FLOOR PLAN  
MECHANICAL

SHEET:  
**M1.1**

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