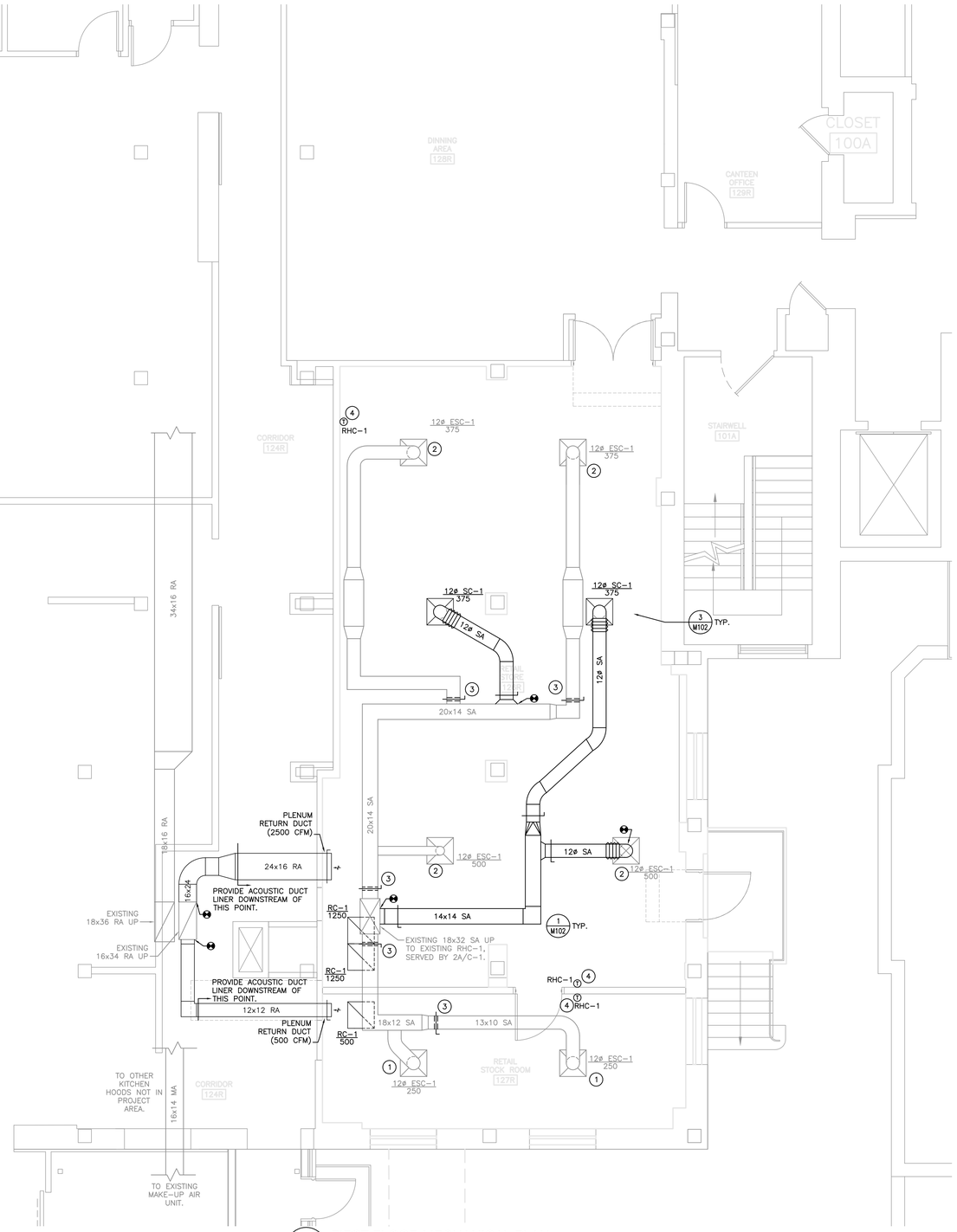

A FIRST FLOOR MECHANICAL PLAN

1/4" = 1'-0"

GENERAL NOTES

1. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT ACTUAL INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING, DUCTWORK, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS, AS REQUIRED. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
2. CONTRACTOR SHALL SEAL, PATCH, AND FIRE STOP ALL OPENINGS IN THE CONCRETE SLAB AND WALLS. THIS IS ESSENTIAL TO PREVENT NOISE FROM GOING FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN THE ROOMS.
3. MECHANICAL ENTITIES DRAWN WITH THIS LINETYPE (————) INDICATES ENTITIES ARE NEW, UNLESS OTHERWISE NOTED.
4. MECHANICAL ENTITIES DRAWN WITH THIS LINETYPE (————) INDICATES ENTITIES ARE EXISTING, UNLESS OTHERWISE NOTED.

KEYED NOTES

1. EXISTING DIFFUSER TO REMAIN. REBALANCE TO CFM INDICATED.
2. RELOCATE EXISTING DIFFUSER TO POSITION SHOWN. MODIFY DUCTWORK AS REQUIRED. REBALANCE TO CFM INDICATED.
3. INSTALL NEW MANUAL BALANCING DAMPER IN EXISTING DUCTWORK. PATCH DUCTWORK AND INSULATION AS REQUIRED.
4. WALL-MOUNTED THERMOSTAT'S TEMPERATURE MEASUREMENTS WILL BE AVERAGE AMONG ALL (3) INDICATED. THERMOSTATS WILL CONTROL EXISTING REHEAT COIL RHC-1 IN MECHANICAL ATTIC OF BUILDING 2 ON THE TOP OF THE BUILDING.

PHASING NOTES

1. EXISTING CONSTANT VOLUME AIR HANDLER 2A/C-1, LOCATED IN ATTIC OF BUILDING 2, TO REMAIN IN OPERATION DURING PROJECT SINCE UNIT SERVES ADDITIONAL AREAS. SHUTDOWN IS TO BE MINIMIZED AND OCCUR OFF HOURS OR DURING WEEKENDS. COORDINATE SHUTDOWNS WITH COTR.
2. SEE SPECIFICATION 01 00 00 – GENERAL REQUIREMENTS REGARDING MINIMUM TEMPERATURES FOR THE NEW RETAIL SPACE SINCE RA AND SA DUCTWORK FROM EXISTING AIR HANDLER UNIT 2A/C/-1 SERVING WORK AREA WILL BE CLOSED DURING CONSTRUCTION.
3. PROVIDE NEGATIVE PRESSURIZATION OF CONSTRUCTION AREA. ONE OF THE EXISTING WALL-MOUNTED EXTERIOR EXHAUST FANS WILL REMAIN IN PLACE AND IN OPERATION FOR MOST OF PROJECT DURATION TO PROVIDE NEGATIVE PRESSURIZATION. REFER TO SHEET MD101 FOR EXHAUST FAN LOCATION. NEGATIVE PRESSURE MACHINES OF MINIMAL SIZE TO BE USED IN FINAL STAGES OF THE PROJECT, INCLUDING THE INFILL OF THE EXISTING EXHAUST FAN PENETRATION, TO MAINTAIN NEGATIVE PRESSURE.
4. THOUGH EXISTING MAKE-UP AIR DUCTS IN THIS PROJECT ARE BEING DEMOLISHED, THE EXISTING MAKE-UP AIR UNIT WILL REMAIN IN PLACE SINCE IT SERVES NEARBY AREAS UNDER CONSTRUCTION. COORDINATE SHUTDOWN OF EXISTING MAKE-UP AIR UNIT WITH COTR. SHUTDOWN TO BE CONDUCTED BY THE OWNER.

Revisions: Date

CONSULTANTS:

BUILDING IS FULLY SPRINKLED

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AE PROJECT NO. 10031

Drawing Title: FIRST FLOOR MECHANICAL PLAN
Scale: AS NOTED
Approved: Project Director

Project Title: CANTEEN RETAIL STORE
Location: DES MOINES, IOWA
Date: 11/01/2011 | Checked: CR | Drawn: RR

Project Number: 636A6-10-712
Building Number: 2
Drawing Number: M101
Dwg. 11 of 16

Department of Veterans Affairs