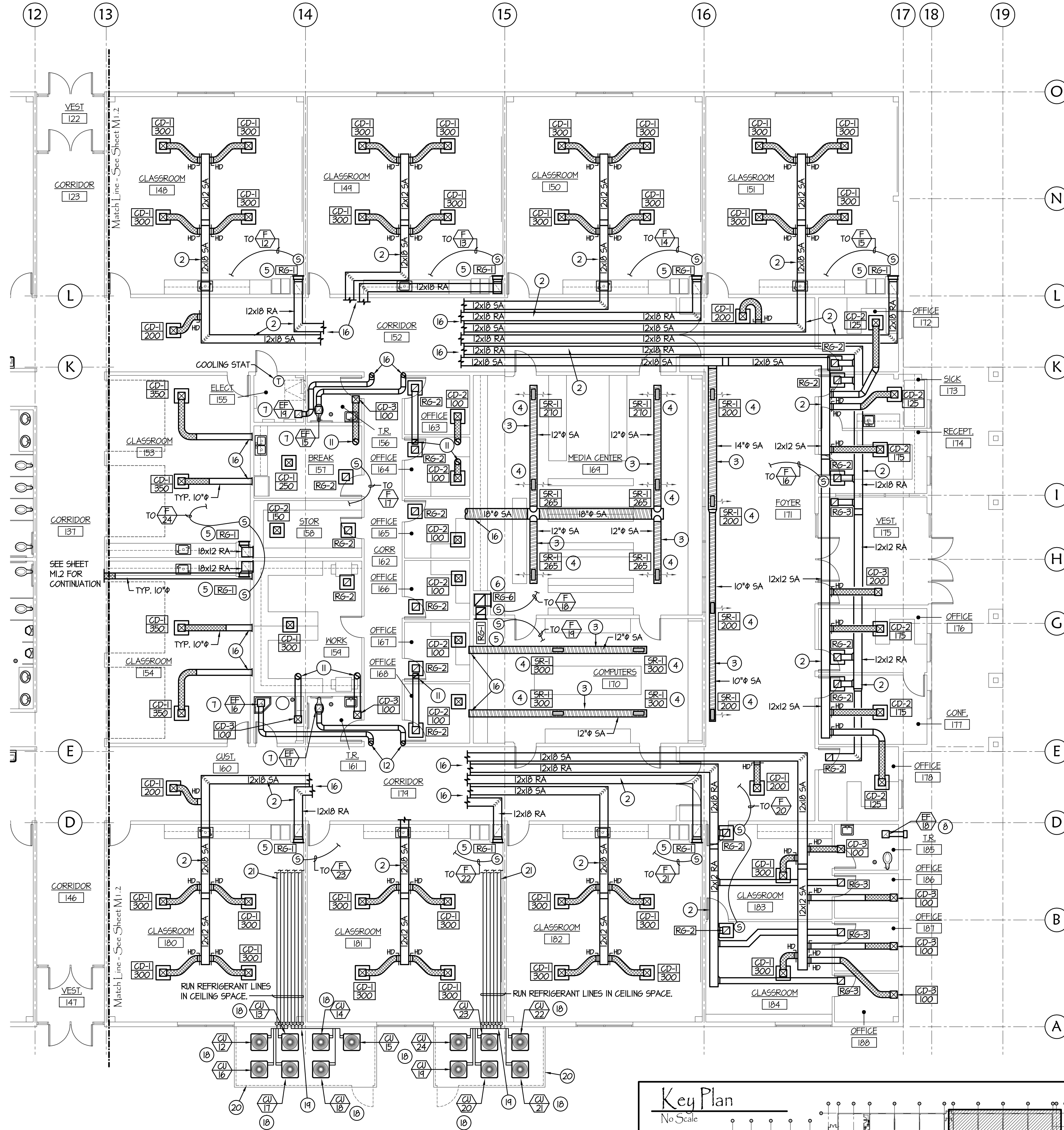


EXTEND (2) 3" FURNACE VENTS FROM EACH FURNACE ON MEZZANINE THRU EXTERIOR WALL WITH FLAT WALL PLATE. REFER TO DETAIL KM31 FOR TYPICAL INSTALLATION. COORDINATE FURNACE VENTS WITH DUCTWORK AND PIPING IN ROOM. WALL PLATES TO BE PLACED IN SYMMETRICAL ORDER IN EXTERIOR WALL AND TO BE AT LEAST 10'-0" AWAY FROM ANY INTAKE LOUVER.

EXTEND (2) 3" FURNACE VENTS FROM EACH FURNACE ON MEZZANINE THRU EXTERIOR WALL WITH FLAT WALL PLATE. REFER TO DETAIL KM31 FOR TYPICAL INSTALLATION. COORDINATE FURNACE VENTS WITH DUCTWORK AND PIPING IN ROOM. WALL PLATES TO BE PLACED IN SYMMETRICAL ORDER IN EXTERIOR WALL AND TO BE AT LEAST 10'-0" AWAY FROM ANY INTAKE LOUVER.

Mezzanine Mechanical Plan - Area C

Scale: 1/8" = 1'-0"



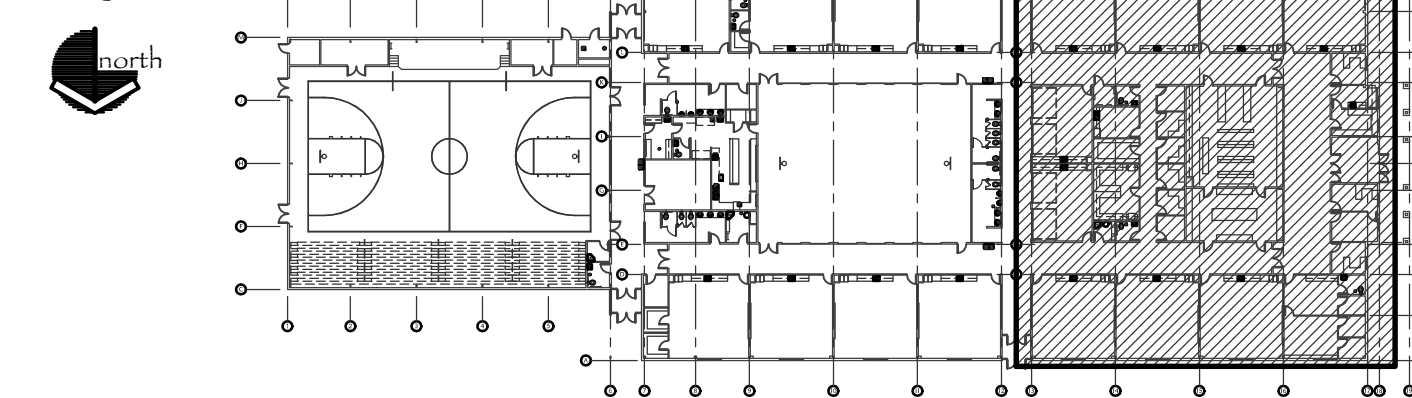
Mechanical Floor Plan - Area C

Scale: 1/8" = 1'-0"



Key Plan

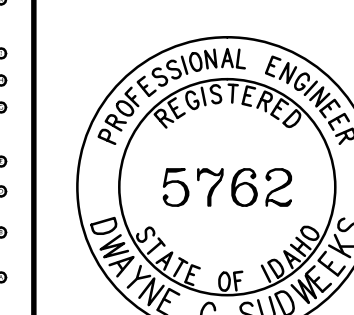
No Scale



PLAN NOTES:

- 1 PROVIDE AND INSTALL GAS FIRED FURNACE AS SPECIFIED. MOUNT ON 14" HIGH RETURN PLENUM. REFER TO DETAIL DM31 FOR TYPICAL CONSTRUCTION.
- 2 RUN DUCTWORK ABOVE CORRIDOR CEILING. COORDINATE WITH BUILDING STRUCTURE AND WITH PIPING. REFER TO SHEET PL3 FOR PIPING SIZES AND LOCATIONS.
- 3 RUN SPIRAL SUPPLY AIR DUCT THRU ROOF JOIST WEBBING. SECURE DUCT TO LOWER CHORD OF JOISTS. REFER TO DETAIL HM31 FOR TYPICAL DUCT INSTALLATION. PROVIDE PAINT LOCK COATING ON DUCTWORK.
- 4 PROVIDE AND INSTALL "IN-DUCT" REGISTER AS SPECIFIED. BALANCE TO CFM AS INDICATED AND LOCK IN POSITION. MOUNT REGISTERS IN BOTTOM OF DUCT. REFER TO DETAIL 6M31 FOR TYPICAL INSTALLATION.
- 5 PROVIDE AND INSTALL RETURN AIR GRILLE AS SPECIFIED. MOUNT GRILLE AT 6" ABOVE FLOOR AND RISE 18x12 DUCT UP IN CHASE. REFER TO DETAIL LM31 FOR TYPICAL INSTALLATION.
- 6 PROVIDE AND INSTALL RETURN AIR GRILLE AS SPECIFIED. MOUNT GRILLE AT 6" ABOVE FLOOR AND RISE 24x14 DUCT UP IN CHASE. REFER TO MEZZANINE MECHANICAL PLAN (THIS SHEET) FOR CONTINUATION. REFER TO DETAIL LM31 FOR TYPICAL INSTALLATION.
- 7 PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED. RISE 6" DUCT UP THRU MEZZANINE FLOOR ABOVE AND CONNECT TO EXHAUST AIR PLENUM DUCT. REFER MEZZANINE MECHANICAL PLAN (THIS SHEET) FOR CONTINUATION.
- 8 PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED. RUN 6" DUCT THRU CEILING SPACE TO WALL CAP AS SHOWN. REFER TO DETAIL CM31 FOR TYPICAL INSTALLATION.
- 9 6" EXHAUST DUCT UP FROM FAN BELOW. RISE DUCT UP TO 8'-0" ABOVE MEZZANINE FLOOR AND CONNECT TO 18x12 EXHAUST PLENUM DUCT. COORDINATE ACTUAL DUCT ROUTING WITH OTHER DUCTWORK, EQUIPMENT AND PIPING.
- 10 SUPPLY BRANCH DUCT TO BE RUN ABOVE 1'-0" ABOVE MEZZANINE FLOOR. DROP DUCT DOWN THRU FLOOR AT EACH DIFFUSER LOCATION. REFER TO FLOOR PLAN (THIS SHEET) FOR DIFFUSER LOCATIONS. REFER TO GRILLE AND REGISTER SCHEDULE FOR BRANCH DUCT SIZES.
- 11 RUN BRANCH DUCTS THRU CEILING SPACE AS SHOWN. RISE UP THRU MEZZANINE FLOOR AND CONNECT TO DUCTWORK ABOVE. SEE MEZZANINE MECHANICAL PLAN (THIS SHEET) FOR CONTINUATION. REFER TO GRILLE AND REGISTER SCHEDULE FOR BRANCH DUCT SIZES.
- 12 RUN 6" EXHAUST DUCT THRU CEILING SPACE AS SHOWN. RISE UP THRU MEZZANINE FLOOR AND CONNECT TO WALL CAP ABOVE. COORDINATE WALL CAP LOCATION WITH OTHER DUCTWORK AND EQUIPMENT. REFER TO MEZZANINE MECHANICAL PLAN FOR WALL CAP LOCATIONS.
- 13 DROP 10x6 OUTSIDE AIR DUCT DOWN AND CONNECT TO RETURN AIR PLENUM. PROVIDE MOTORIZED DAMPER, DUCT ACCESS AND MANUAL BALANCING DAMPER IN DUCT. REFER TO DETAIL BM32 FOR TYPICAL DAMPER INSTALLATION.
- 14 RUN RETURN AIR DUCT AT FLOOR OF MEZZANINE. DROP DUCTS THRU FLOOR TO CONNECT TO EACH RETURN GRILLE.
- 15 RUN SUPPLY DUCTS AT 1'-0" ABOVE MEZZANINE FLOOR. COORDINATE DUCT LOCATIONS WITH OTHER DUCTWORK AND EQUIPMENT.
- 16 REFER TO MEZZANINE MECHANICAL PLAN (THIS SHEET) FOR CONTINUATION OF DUCTWORK.
- 17 REFER TO MECHANICAL FLOOR PLAN (THIS SHEET) FOR CONTINUATION OF DUCTWORK.
- 18 PROVIDE AND INSTALL CONDENSING UNIT AS SPECIFIED. MOUNT UNIT ON PYRAMID TYPE SUPPORTS. REFER TO DETAIL FM11 FOR SUPPORTS. RUN REFRIGERANT LINES ALONG WALL AND COVER WITH SHEET METAL COVER. REFER TO DETAIL FM11.
- 19 EXTEND PIPING INTO WALL AND RISE UP TO ABOVE CEILING. SUPPORT PIPING AT WALL PENETRATION. REFER TO DETAIL BM11.
- 20 CONCRETE PAD AND CHAIN LINK FENCE BY GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS.
- 21 REFER TO SHEET PL3 FOR CONTINUATION OF REFRIGERANT LINES.

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDNEEKS
DATE ORIGINAL SIGNED: March 20, 2014
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
1955 EAST CENTER, POCATELLO, IDAHO 83201

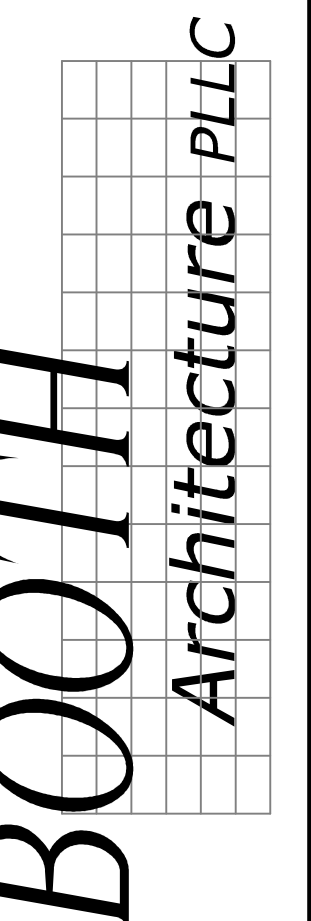


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Mechanical Floor Plan - Area C
Date: 3/22/19
Sheet No. M1.3