



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

PLAN NOTES:

- 1 EXISTING UNIT VENTILATOR AND OUTSIDE AIR LOUVER TO REMAIN. PROTECT EXISTING EQUIPMENT DURING CONSTRUCTION AND MAINTAIN CONNECTION TO EXISTING STEAM AND CONDENSATE RETURN PIPING BELOW FLOOR.
- 2 EXISTING FLOOR GRILLES, UNDERFLOOR DUCTWORK AND EXISTING FAN COIL UNIT TO REMAIN. PROTECT EXISTING GRILLES, DUCTWORK AND FAN COIL IN AIR TUNNEL DURING CONSTRUCTION. MAINTAIN CONNECTION TO EXISTING STEAM AND CONDENSATE RETURN PIPING. REMOVE EXISTING GRILLES AS REQUIRED FOR NEW FLOOR FINISHES. (TYPICAL OF ALL EXISTING GRILLES THROUGHOUT THE BUILDING. REFER TO ARCHITECTURAL PLANS FOR EXTENT OF FLOOR FINISHES.)
- 3 EXISTING WALL MOUNTED THERMOSTAT AND/OR SENSOR TO REMAIN. PROTECT DURING CONSTRUCTION AND MAINTAIN CONNECTION TO EXISTING EQUIPMENT. REMOVE EXISTING CONTROLS AS REQUIRED FOR NEW WALL FINISHES. (TYPICAL OF ALL CONTROLS THROUGHOUT THE BUILDING. REFER TO ARCHITECTURAL PLANS FOR EXTENT OF FLOOR FINISHES.)
- 4 EXISTING CEILING MOUNTED AND/OR ROOF MOUNTED EXHAUST FAN, DUCTWORK, ROOF CAP AND CEILING GRILLE TO REMAIN. PROTECT DURING CONSTRUCTION.
- 5 EXISTING CEILING GRILLE, DUCTWORK AND ROOF CAP FOR RELIEF AIR TO REMAIN. PROTECT DURING CONSTRUCTION.
- 6 DISCONNECT AND REMOVE EXISTING CABINET UNIT HEATER. CAP EXISTING STEAM AND CONDENSATE RETURN PIPING IN TUNNEL BELOW FLOOR. PATCH EXISTING FLOOR AND WALL AS REQUIRED TO MATCH ADJACENT SURFACES.
- 7 DISCONNECT, REMOVE AND RETAIN EXISTING WALL MOUNTED THERMOSTAT AND/OR SENSOR. RELOCATE TO NEW CORRESPONDING EQUIPMENT AND TO EXISTING BUILDING CONTROL SYSTEM. CONTRACTOR TO FIELD VERIFY EXISTING UTILIZE EXISTING CONTROLS FOR CORRIDOR CABINET UNIT HEATERS. (SEE NOTE 7.)
- 8 PROVIDE AND INSTALL NEW STEAM UNIT VENTILATOR AS SPECIFIED. DROP PIPING DOWN BELOW FLOOR AND RUN BACK TO EXISTING AIR TUNNEL BELOW CORRIDOR. PROVIDE OUTSIDE AIR LOUVER AS SPECIFIED COMPLETE WITH WALL SLEEVE. CONNECT TO NEW UNIT VENTILATOR.
- 9 PROVIDE AND INSTALL NEW STEAM CABINET UNIT HEATER AS SPECIFIED. MOUNT AT CEILING. RUN STEAM AND CONDENSATE RETURN PIPING ABOVE CEILING AS SHOWN.
- 10 MOUNT NEW THERMOSTAT AND/OR SENSOR ON WALL AND CONNECT TO NEW CORRESPONDING EQUIPMENT AND TO EXISTING BUILDING CONTROLS. CONTRACTOR TO FIELD VERIFY EXISTING CONTROL SYSTEM.
- 11 MOUNT RELOCATED THERMOSTAT AND/OR SENSOR ON WALL WITH LOCKING METAL COVER. CONNECT TO NEW CORRESPONDING EQUIPMENT AND TO EXISTING BUILDING CONTROLS. CONTRACTOR TO FIELD VERIFY EXISTING UTILIZE EXISTING CONTROLS FOR CORRIDOR CABINET UNIT HEATERS. (SEE NOTE 7.)
- 12 PROVIDE AND INSTALL NEW VERTICAL AIR HANDLER AS SPECIFIED COMPLETE WITH DX COILING COIL AND STEAM HEATING COIL. REFER TO LARGE SCALE MECHANICAL ROOM ON SHEET M&P.1 FOR PIPE AND DUCTWORK CONNECTIONS. PROVIDE SPRING TYPE VIBRATION ISOLATORS AT EACH CORNER ON UNIT.
- 13 MOUNT NEW CONDENSING UNIT ON ROOF FOR GYM AIR HANDLER. RUN REFRIGERANT LINES THRU WALL AND DROP DOWN IN MECHANICAL ROOM TO CONNECT TO AIR HANDLER DX COIL. REFER TO LARGE SCALE MECHANICAL ROOM ON SHEET M&P.1. MOUNT CONDENSING UNIT ON PYRAMID TYPE SUPPORTS. REFER TO DETAIL NM3.1 FOR TYPICAL INSTALLATION AND PIPING CONNECTIONS.
- 14 DROP REFRIGERANT LINES DOWN AND CONNECT TO DX COIL IN AIR HANDLER. REFER TO DETAIL NM3.1 FOR TYPICAL PIPING CONNECTIONS AND SUPPORTS.
- 15 MOUNT SR-1 REGISTERS WITH EXTRACTION DAMPER IN DUCTWORK AT 45 DEGREES DOWN FROM HORIZONTAL. REFER TO DETAIL FM3.1 FOR TYPICAL INSTALLATION.
- 16 MOUNT RG-1 AT 6\"/>

GENERAL NOTES:

- A- THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- B- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C- IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D- CEILING DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO LIGHTING PLANS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- E- DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.
- F- ALL DUCTWORK AND PIPING WHICH PASSES THRU FIRE RATED WALLS TO BE FIRE STOPPED WITH APPROVED FOAM OR SEALANT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS.

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS
DATE ORIGINAL SIGNED: March 11, 2019 ORIGINAL ON FILE AT:
ENGINEERED SYSTEMS ASSOCIATES 1355 EAST CENTER,
POCATELLO, IDAHO 83201

Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 18071

Professional Engineer
DWAYNE C. SUDWEEKS
311119
STATE OF IDAHO

PLAN NOTES:

- 25 RISE 1-1/4\"/>

NOT FOR CONSTRUCTION PURPOSES

nbw architects p.a.
ARCHITECTURE / PLANNING / INTERIORS
SCOTT L NELSON A.I.A. KEVIN R BODILY A.I.A. JAMES H WYATT A.I.A.
990 JOHN RINGBARK PARKWAY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83402-2212
(208) 208-5228 (208) 208-5228 (208) 208-5228

ADDITION & REMODEL FOR:
MIDWAY ELEMENTARY
JEFFERSON JOINT SCHOOL DISTRICT NO. 251
623 N 3500 E, MENAN, IDAHO 83434

PROJECT:
REVISIONS

PROJECT NO.
16071
DATE:
FEBRUARY 2019
DRAWN BY:
M Jensen
CHECKED BY:
D Sudweeks

DRAWING NO.:

M1.2

SHEET TITLE:

PART 2 - MECHANICAL FLOOR PLAN