



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

**BASE BID PLAN NOTES:**

- 1 EXISTING STEAM FIRED UNIT VENTILATOR TO REMAIN UNDER BASE BID. PROTECT DURING CONSTRUCTION AND MAINTAIN CONNECTION TO STEAM PIPING BELOW FLOOR.
- 2 EXISTING OUTSIDE AIR LOUVER NEAR GRADE TO REMAIN. PROTECT DURING CONSTRUCTION AND KEEP FREE FROM CONSTRUCTION DEBRIS.
- 3 EXISTING WALL MOUNTED THERMOSTAT OR ROOM SENSOR TO REMAIN. PROTECT DURING CONSTRUCTION AND MAINTAIN CONNECTION TO CORRESPONDING EQUIPMENT.
- 4 EXISTING CEILING MOUNTED UNIT HEATER AND ALL ASSOCIATED STEAM PIPING IN WALL TO REMAIN. PROTECT DURING CONSTRUCTION.
- 5 EXISTING VERTICAL AIR HANDLER, DUCTWORK, GRILLES, AND ALL ASSOCIATED STEAM PIPING AND CONTROLS TO REMAIN. PROTECT DURING CONSTRUCTION. MAINTAIN CONNECTION TO EXISTING CONTROLS AND EXISTING STEAM PIPING.
- 6 PROVIDE AND INSTALL NEW ROOF MOUNTED EXHAUST FAN AS SPECIFIED. PROVIDE NEW ROOF CURB AND DUCT NEW DUCT DOWN THRU ROOF TO CEILING MOUNTED GRILLE. REFER TO DETAIL AMS1 FOR TYPICAL INSTALLATION.
- 7 PROVIDE AND INSTALL NEW CEILING MOUNTED EXHAUST FAN AS SPECIFIED. CONNECT NEW DUCT TO EXISTING DUCT UP THRU ROOF.
- 8 PROVIDE AND INSTALL NEW STEAM CONVECTOR AS SPECIFIED. DROP PIPING DOWN THRU FLOOR AND CONNECT TO EXISTING MAIN LINE IN PIPE TUNNEL. CONTRACTOR TO FIELD VERIFY EXACT SIZES AND LOCATIONS OF ALL EXISTING PIPING IN TUNNEL.
- 9 EXISTING CONVECTOR OR UNIT HEATER WITH STEAM HEATING COIL TO REMAIN. PROTECT DURING CONSTRUCTION AND MAINTAIN CONNECTION TO ROOM CONTROLS AND TO STEAM PIPING IN TUNNEL BELOW.
- 10 EXISTING OUTSIDE AIR LOUVER ABOVE LOWER ROOF TO REMAIN. REMOVE EXISTING DUCTWORK AND BANK OFF INSIDE OF LOUVER. FILL WALL SLEEVE WITH RIGID INSULATION AND SEAL ON INTERIOR WALL WITH SHEET METAL. PAINT TO MATCH WALL COLOR. SEAL WATER TIGHT.
- 11 EXISTING CEILING MOUNTED EXHAUST FAN AND DUCT THRU ROOF TO REMAIN. PROTECT FAN DURING CONSTRUCTION. EXTEND DUCT THRU ROOF AS REQUIRED FOR NEW INSULATION AND ROOF MEMBRANE. SEAL WATER TIGHT. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF DUCT THRU ROOF.
- 12 EXISTING BOILER, CONDENSATE RETURN PUMP AND TANK, AND ALL ASSOCIATED PIPING IN BOILER ROOM TO REMAIN UNLESS NOTED OTHERWISE. PROTECT EQUIPMENT AND PIPING DURING CONSTRUCTION.
- 13 EXISTING WATER HEATER AND ALL ASSOCIATED PIPING TO REMAIN. PROTECT DURING CONSTRUCTION.
- 14 CONNECT NEW 4" STEAM SUPPLY LINE TO EXISTING BOILER HEADER. PROVIDE SHUT-OFF VALVE IN LINE. RUN NEW PIPING AS HIGH AS POSSIBLE TO NEW ADDITION.
- 15 EXISTING WALL MOUNTED ELECTRIC HEATER TO REMAIN. PROTECT DURING CONSTRUCTION.
- 16 PROVIDE AND INSTALL NEW CABINET UNIT HEATER WITH FRONT DISCHARGE AND BOTTOM INTAKE AS SPECIFIED. MOUNT UNIT TIGHT AGAINST CEILING. COORDINATE WITH BUILDING STRUCTURE, LIGHT FIXTURES, AND PIPING. REFER TO DETAIL JMS1 FOR TYPICAL PIPING CONNECTIONS.
- 17 RUN STEAM AND CONDENSATE RETURN PIPING AS HIGH AS POSSIBLE. DROP LINES DOWN IN NEW WALL AND CONNECT TO CORRESPONDING PIPING IN PIPE TUNNEL BELOW FLOOR. REFER TO FOUNDATION PLAN ON SHEET M1.2 FOR CONTINUATION. CONTRACTOR TO FIELD VERIFY EXACT SIZES AND LOCATIONS OF EXISTING STEAM LINE BELOW FLOOR.
- 18 MOUNT EXISTING RELOCATED THERMOSTAT ON WALL AND CONNECT TO NEW UNIT HEATER. PROVIDE NEW RACEWAYS FOR CONTROL WIRING.
- 19 EXISTING CONDENSATE RECEIVING TANK AND PUMPS TO REMAIN. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING TANK AND PIPING.
- 20 DROP 1-1/4" PUMPED CONDENSATE RETURN LINE DOWN AND EXTEND THRU EXISTING STAIRS TO CONNECT TO EXISTING RECEIVING TANK. FIELD VERIFY EXACT SIZES AND LOCATION OF EXISTING PIPING AND TANK OPENINGS. MODIFY EXISTING PIPING AS REQUIRED FOR NEW CONNECTION.

**ALTERNATE #1 PLAN NOTES:**

- A1 PROVIDE AND INSTALL NEW STEAM FIRED UNIT VENTILATOR UNDER ALTERNATE BID ITEM #1 AS SPECIFIED. CONNECT NEW UNIT VENTILATOR TO EXISTING STEAM PIPING IN TUNNEL AND EXISTING OUTSIDE AIR LOUVER. FIELD VERIFY EXACT SIZES AND LOCATION OF EXISTING PIPING. PROVIDE NEW PIPE EXTENSIONS AND VALVES AS REQUIRED. EXISTING THERMOSTAT TO BE RECONNECTED TO NEW UNIT. NOTE THAT NEW UNIT VENTILATORS ARE APPROXIMATELY 1" LONGER THAN EXISTING UNITS. CONTRACTOR TO MOVE OR MODIFY EXISTING SHELVE AS REQUIRED FOR NEW UNITS TO FIT IN EXISTING LOCATIONS.
- A2 PROVIDE AND INSTALL NEW UNIT HEATER UNDER ALTERNATE BID ITEM #1 AS SPECIFIED. CONNECTED NEW UNITS TO EXISTING STEAM PIPING. FIELD VERIFY EXACT SIZES AND LOCATIONS OF EXISTING PIPING. PROVIDE NEW PIPE EXTENSIONS AND VALVES AS REQUIRED. EXISTING THERMOSTAT TO BE RECONNECTED TO NEW UNIT.
- A3 PROVIDE AND INSTALL NEW STEAM CONVECTOR UNDER ALTERNATE BID ITEM #1 AS SPECIFIED. CONNECT NEW CONVECTOR TO EXISTING STEAM PIPING BELOW FLOOR. FIELD VERIFY EXACT SIZES AND LOCATIONS OF EXISTING PIPING. PROVIDE NEW PIPE EXTENSIONS AND VALVES AS REQUIRED. NEW CONNECTORS TO BE CONTROLLED WITH DAMPOSS CONTROL VALVE. REFER TO CONVECTOR SCHEDULE ON SHEET M0.2.
- A4 PROVIDE AND INSTALL NEW HORIZONTAL AIR HANDLER AS SPECIFIED UNDER ALTERNATE BID ITEM #1. MOUNT UNIT TIGHT AGAINST EXISTING CEILING. EXTEND EXISTING EXHAUST RETURN DUCT UP FROM FLOOR AND CONNECT TO NEW UNIT WITH FLEXIBLE CONNECTION. EXTEND EXISTING STEAM AND CONDENSATE RETURN PIPING TO NEW UNIT LOCATION AND CONNECT TO NEW STEAM COIL.
- A5 CONNECT NEW SUPPLY AIR DUCT TO NEW UNIT WITH FLEXIBLE CONNECTION. RUN NEW SUPPLY AIR DUCT TIGHT AGAINST CEILING AS SHOWN AND INSTALL SIDEWALL REGISTERS IN SIDE OF DUCT. COORDINATE DUCT LOCATION WITH EXISTING STRUCTURE AND LIGHT FIXTURES.
- A6 PROVIDE WALL MOUNTED UNIT HEATER UNDER ALTERNATE BID ITEM #1. EXTEND EXISTING STEAM AND CONDENSATE RETURN PIPING TO NEW UNIT LOCATION AS REQUIRED AND CONNECT TO NEW STEAM COIL WITH NEW CONTROL VALVE AND TRAP. CUT EXISTING BLOCK WALL AS REQUIRED FOR NEW OUTSIDE AIR LOUVER. (EXISTING CEILING MOUNTED UNIT TO BE REMOVED UNDER ALTERNATE #1.)



**TETON SCHOOL DISTRICT 401**  
**RENDEZVOUS UPPER ELEMENTARY SCHOOL**  
**ADDITIONS AND RENOVATIONS**

| revisions |             |      |
|-----------|-------------|------|
| no.       | description | date |
|           |             |      |
|           |             |      |
|           |             |      |

project: 1723  
date: 9/20/2018  
**RENOVATION MECHANICAL FLOOR PLAN**  
sheet: