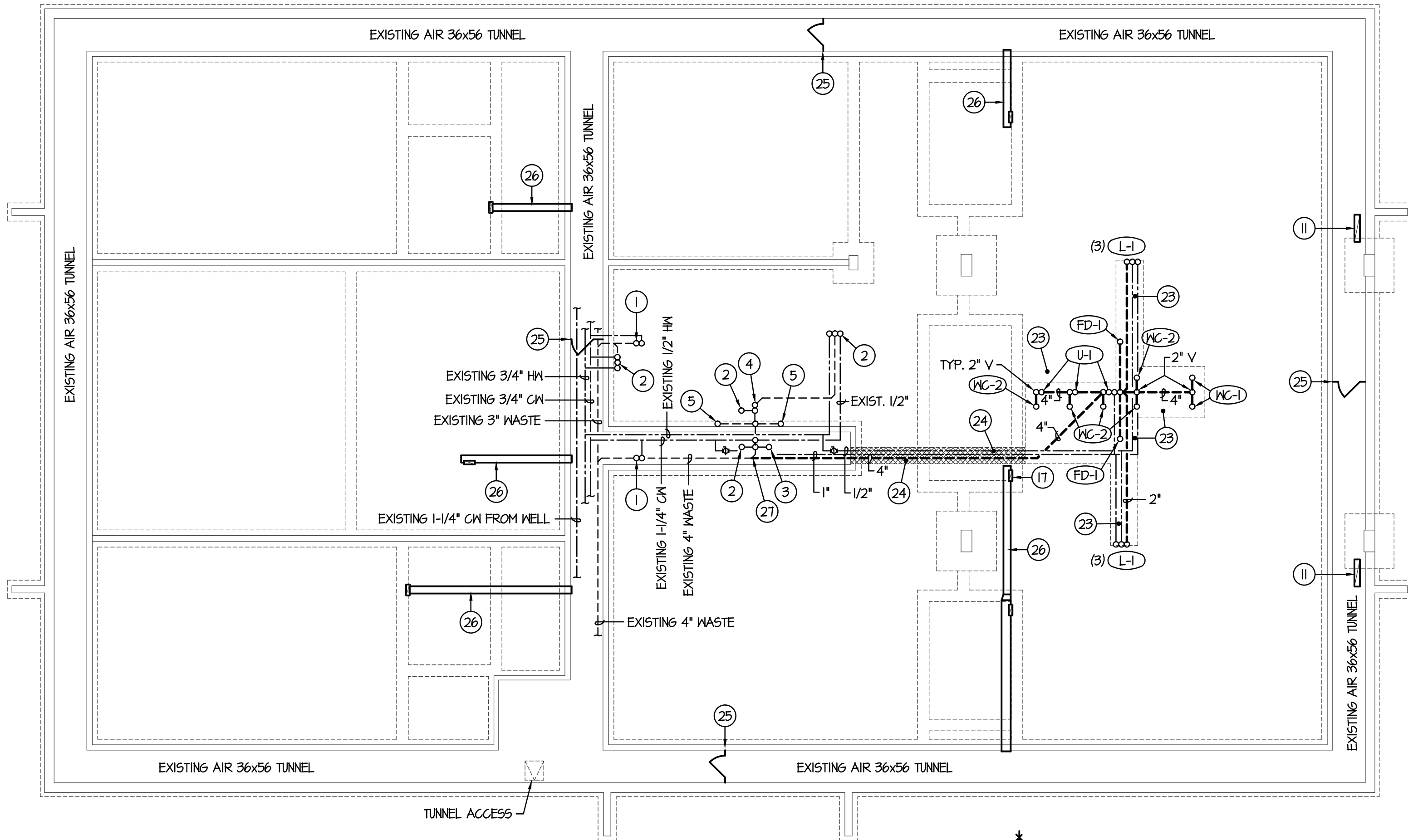
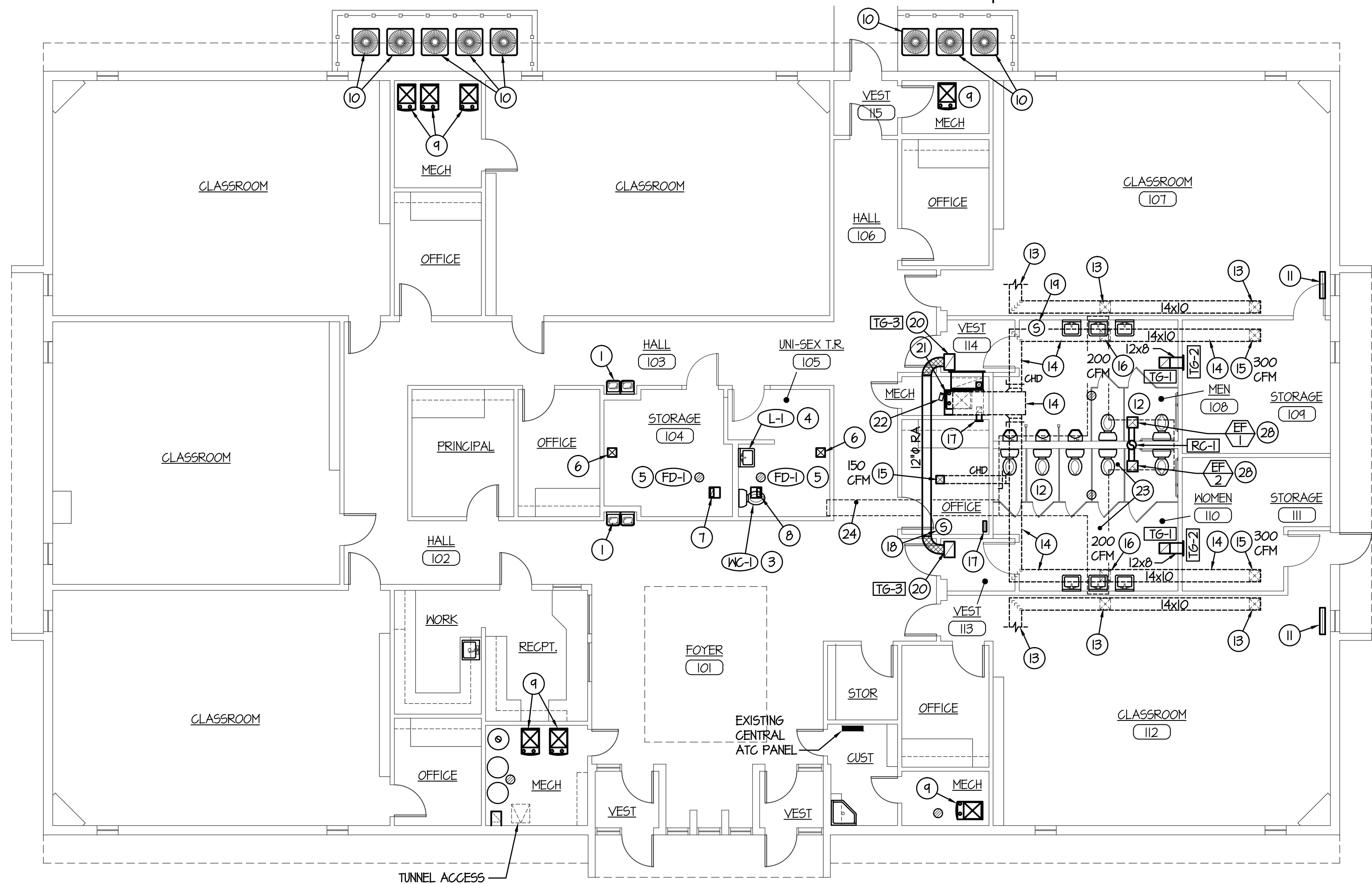


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MECHANICAL FOUNDATION PLAN

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



MECHANICAL FLOOR PLAN

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

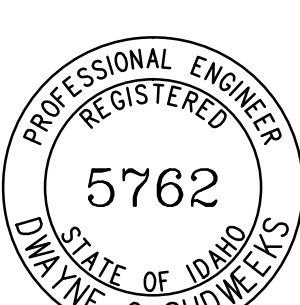
PLAN NOTES:

- EXISTING DRINKING FOUNTAIN TO REMAIN. PROTECT FIXTURE DURING CONSTRUCTION AND MAINTAIN CONNECTION TO EXISTING WASTE, WATER AND VENT PIPING.
- CAP EXISTING WASTE, WATER AND VENT PIPING IN WALL OR BELOW FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF EXISTING WALLS AND FLOORS.
- INSTALL NEW WATER CLOSET AS SPECIFIED. RELOCATE EXISTING ROUGH-IN LOCATIONS OF EXISTING WASTE, WATER AND VENT PIPING FOR NEW ADA WATER CLOSET. FIELD VERIFY EXACT SIZE AND LOCATION OF FIXTURE AND COORDINATE WITH SIZE AND LOCATION OF NEW FIXTURE.
- INSTALL NEW LAVATORY AS SPECIFIED. RELOCATE EXISTING LOCATION OF EXISTING WASTE AND VENT PIPING AS REQUIRED. REDUCE EXISTING 3/4" COLD WATER LINE TO 1/2" AND EXTEND OUT OF WALL AT NEW LAVATORY ROUGH-IN LOCATION. RISE NEW 1/2" HOT WATER LINE FROM TUNNEL BELOW AND CONNECT TO FIXTURE. ALL PIPING TO BE RUN INSIDE WALL CAVITY. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF EXISTING WALLS AND FLOORS.
- REPLACE EXISTING FLOOR DRAIN WITH NEW NEW AS SPECIFIED AND CONNECT TO EXISTING 2" WASTE LINE BELOW FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF EXISTING FLOORS.
- EXISTING CEILING DIFFUSER TO REMAIN. REMOVE DIFFUSER AS REQUIRED FOR NEW CEILING FINISHES AND RE-INSTALL AFTER WORK HAS BEEN COMPLETED. BALANCE TO 100 CFM.
- EXISTING EXHAUST FAN TO REMAIN. REMOVE GRILLE AS REQUIRED FOR NEW CEILING FINISHES AND RE-INSTALL AFTER WORK HAS BEEN COMPLETED. DISCONNECT FAN CONTROL FROM OCCUPANCY SENSOR AND PROVIDE WALL MOUNTED SWITCH. REFER TO ELECTRICAL FOR NEW SWITCH LOCATION.
- EXISTING EXHAUST FAN TO REMAIN. REMOVE GRILLE AS REQUIRED FOR NEW CEILING FINISHES AND RE-INSTALL AFTER WORK HAS BEEN COMPLETED. EXISTING FAN CONTROL THRU OCCUPANCY SENSOR TO REMAIN.
- EXISTING FURNACE SYSTEM TO REMAIN. ALL DUCTWORK, PIPING AND GRILLES ARE TO REMAIN. NO WORK IS REQUIRED FOR THIS SYSTEM.
- EXISTING CONDENSING UNIT TO REMAIN. PROTECT DURING CONSTRUCTION AND MAINTAIN CONNECTION TO EXISTING REFRIGERANT PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR NEW FENCE ENCLOSURE. MAINTAIN MINIMUM 18" CLEARANCE IN FRONT OF EXISTING UNITS.
- EXISTING 30x4 FLOOR RETURN AIR GRILLE TO REMAIN. REMOVE EXISTING GRILLE AS REQUIRED FOR NEW CONSTRUCTION AND FLOOR FINISHES. SEAL EXISTING OPENING THRU FLOOR DURING CONSTRUCTION PROCESS TO KEEP CLEAN. RE-INSTALL EXISTING FLOOR GRILLE AFTER WORK HAS BEEN COMPLETED.
- REFER TO LARGE SCALE PLAN ON SHEET M1.2 FOR NEW PLUMBING FIXTURES AND PIPING TO BE INSTALLED. ALL WATER AND WASTE PIPING TO BE BELOW FLOOR. ALL VENT PIPING TO BE ABOVE CEILINGS.
- EXISTING SUPPLY AIR DUCTWORK ABOVE CEILING AND ASSOCIATED CEILING DIFFUSERS TO REMAIN. PROTECT DURING CONSTRUCTION. NO WORK NECESSARY.
- EXISTING SUPPLY AIR DUCTWORK ABOVE CEILING TO REMAIN. PROTECT DURING CONSTRUCTION. REFER TO SHEET M1.1 FOR NEW DUCTWORK TO BE CONNECTED TO EXISTING.
- EXISTING CEILING DIFFUSER TO REMAIN. RE-BALANCE TO CFM AS SHOWN.
- RELOCATE EXISTING CEILING DIFFUSER TO NEW CEILING. EXTEND EXISTING BRANCH DUCT AS REQUIRED FOR NEW DIFFUSER LOCATION. BALANCE TO CFM AS SHOWN.
- EXISTING RETURN AIR GRILLE TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING WALL MOUNTED ROOM SENSOR TO REMAIN. MAINTAIN CONNECTION TO EXISTING FURNACE SYSTEM.
- RELOCATE EXISTING ROOM SENSOR TO NEW WALL AS SHOWN. EXTEND EXISTING CONTROL WIRING AND CONDUIT AS REQUIRED FOR NEW LOCATION. FIELD VERIFY EXISTING CONDITIONS.
- PROVIDE AND INSTALL NEW RETURN AIR GRILLE IN NEW CEILING AS SPECIFIED. RUN 12" RETURN DUCT ABOVE OFFICE CEILING AS SHOWN FOR TRANSFER AIR. DUCT LOCATION TO BE BELOW EXISTING ROOF INSULATION. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING ACCESS IN OFFICE.
- EXISTING GAS FIRED FURNACE TO REMAIN. PROTECT FURNACE, PIPING AND DUCTWORK DURING CONSTRUCTION.
- EXISTING CONDENSATE PUMP AND PIPING TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING CONCRETE FLOOR TO BE CUT FOR NEW UNDERFLOOR WASTE AND VENT PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF FLOORS. COORDINATE ACTUAL LOCATIONS IN FIELD.
- REMOVE EXISTING FLOOR THRU OFFICE AND HALLWAY AS REQUIRED FOR NEW 4" WASTE LINE AND NEW WATER LINES. COORDINATE LOCATION OF PIPING WITH EXISTING DOORWAY. REFER TO ARCHITECTURAL PLANS FOR CUTTING AND PATCHING OF EXISTING CONCRETE FLOORS AND CARPET. CONTRACTOR TO DIG DOWN AND CORE DRILL THRU EXISTING TUNNEL WALL.
- EXISTING SHEET METAL DIVIDER IN AIR TUNNEL TO REMAIN. PROTECT DURING CONSTRUCTION.
- TYPICAL UNDERFLOOR RETURN AIR DUCT TO REMAIN. COORDINATE WITH CUTTING OF FLOORS AND WITH TUNNELING.
- CONNECT NEW 4" WASTE LINE TO EXISTING 4" WASTE LINE IN TUNNEL. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND ELEVATION OF EXISTING PIPING AND GRADE NEW PIPING ACCORDINGLY.
- INSTALL NEW CEILING MOUNTED EXHAUST FAN AS SPECIFIED. RUN 6" DUCT FROM EACH FAN TO SINGLE 12" DUCT THRU ROOF TO ROOF CAP. REFER TO DETAIL A/M2.1 FOR TYPICAL INSTALLATION.

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: Dec 16, 2014
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
1355 EAST CENTER, POCAHELLO, IDAHO 83201



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INTERIOR REMODEL FOR:

BONNEVILLE H.S. Sr. SEMINARY
IDAHO FALLS, IDAHO
PROPERTY # 516-4362

PROJECT:

REVISIONS

PROJECT NO.
13023
DATE:
November, 2014
DRAWN BY:
M. JENSEN
CHECKED BY:
D. SUDWEEKS

DRAWING NO.:

MECHANICAL FLOOR PLANS

SHEET TITLE:

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