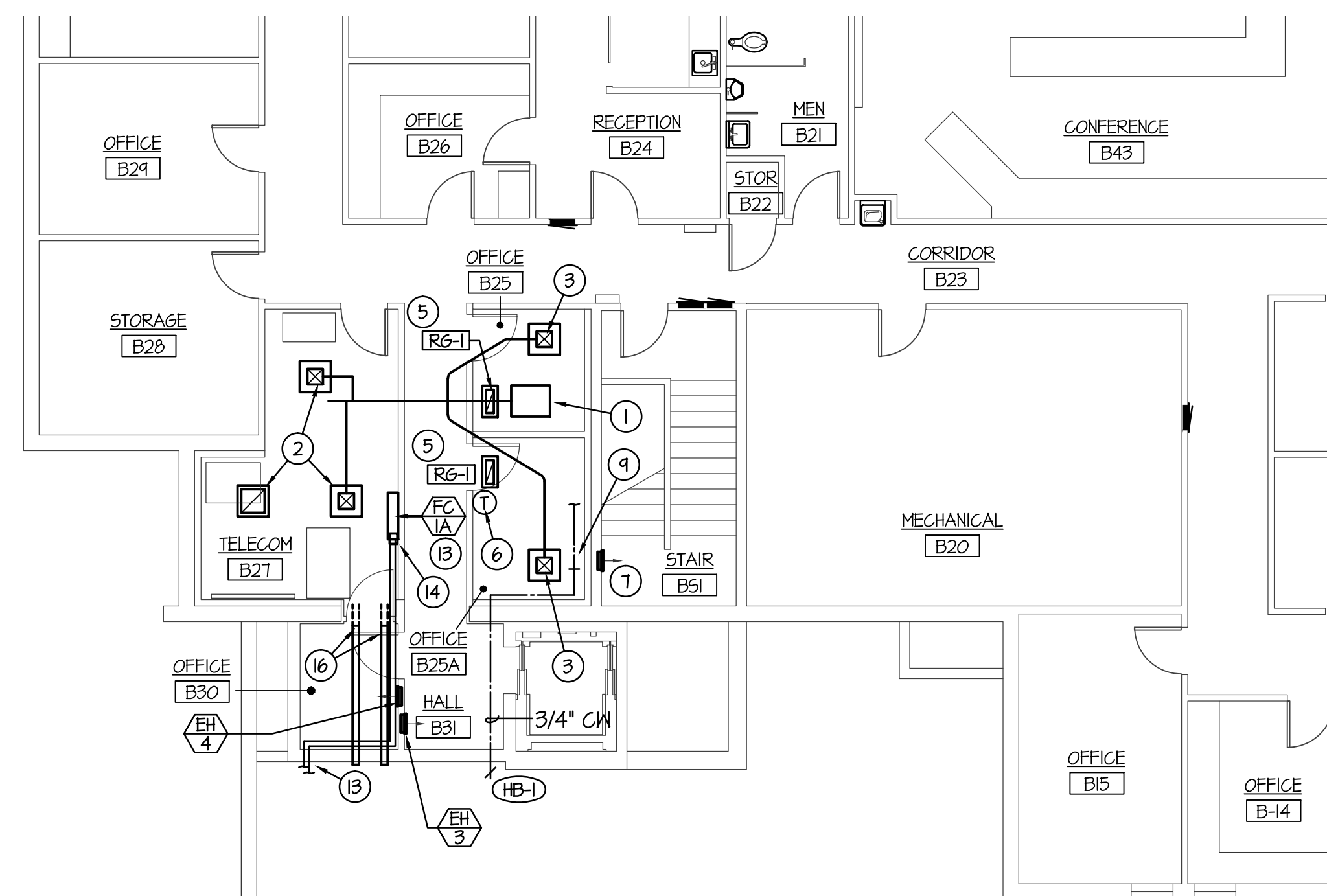
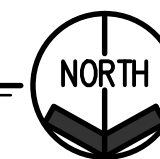


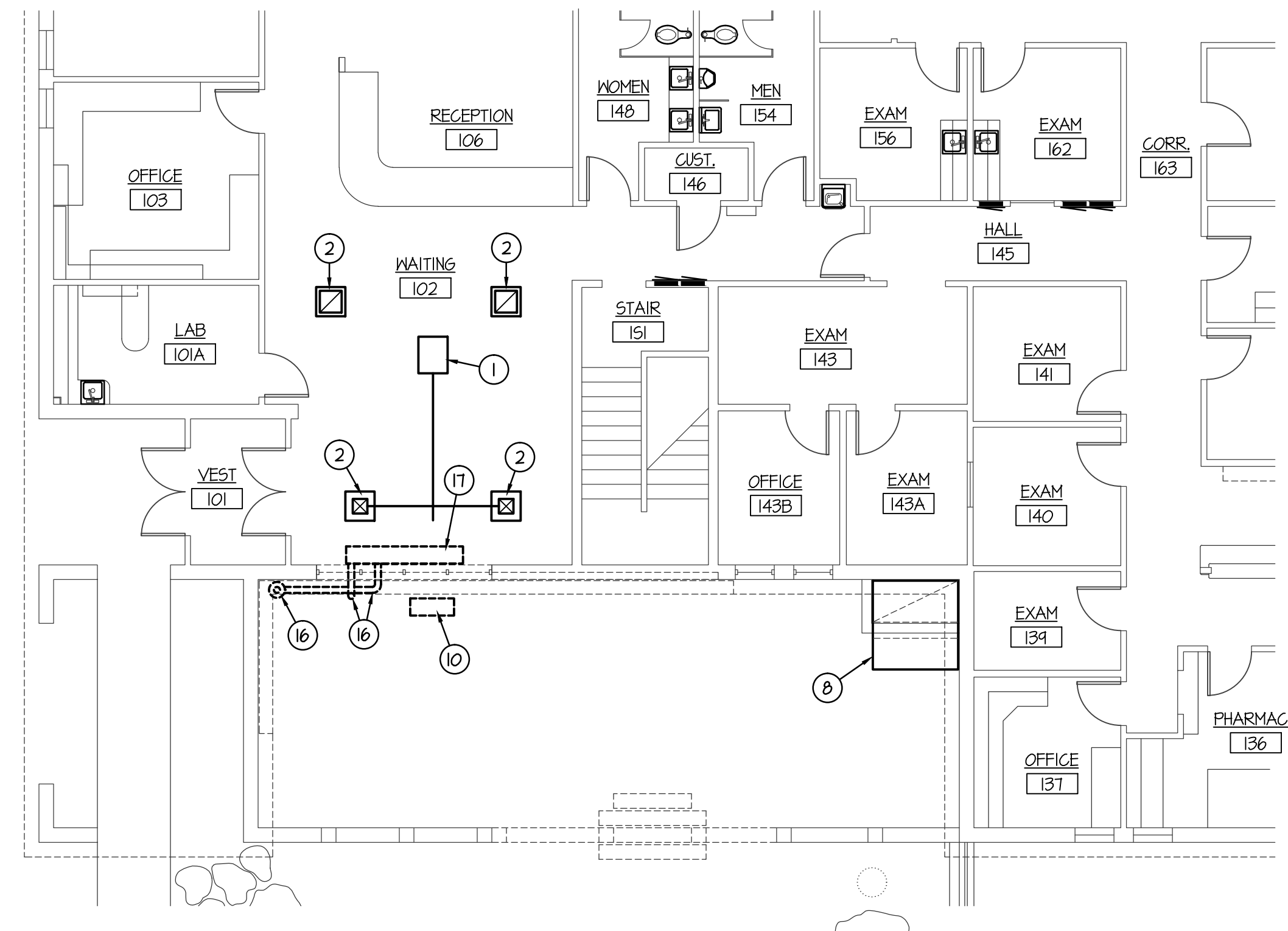
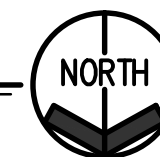
FIRST FLOOR DEMOLITION PLAN

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



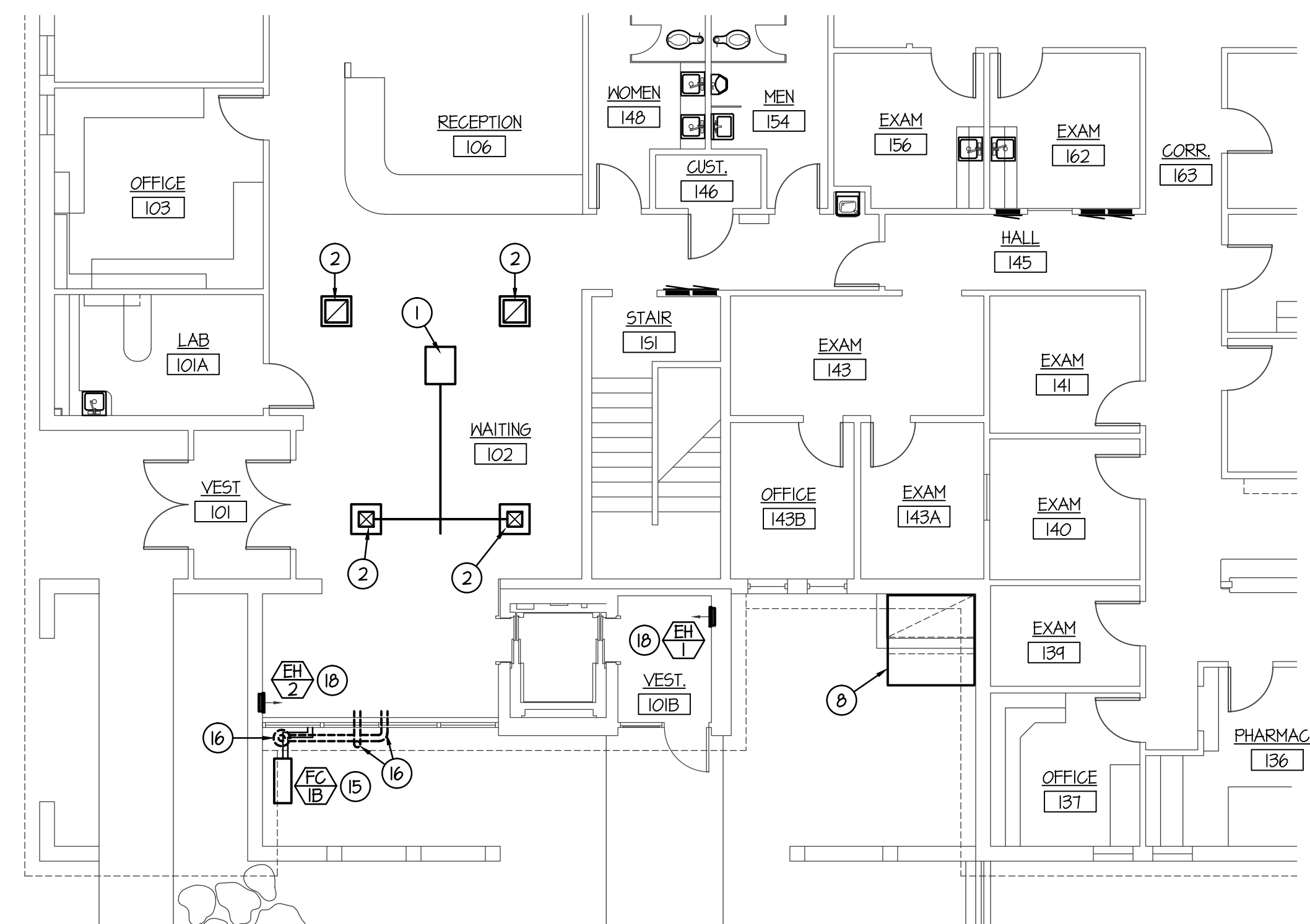
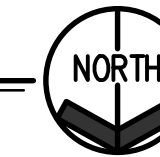
## FIRST FLOOR MECHANICAL PLAN

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



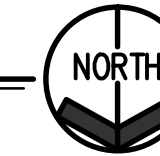
## MAIN FLOOR DEMOLITION PLAN

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



## MAIN FLOOR MECHANICAL PLAN

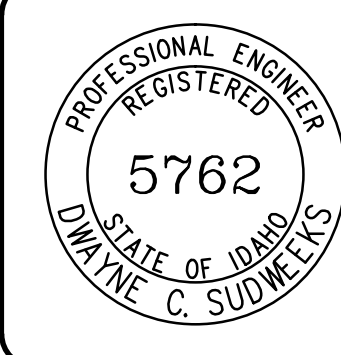
SCALE: 1/8" = 1'-0"



PLAN NOTES:

- ① EXISTING MECHANICAL EQUIPMENT AND DUCTWORK ABOVE CEILING TO REMAIN UNLESS NOTED OTHERWISE. FIELD VERIFY EXACT SIZES AND LOCATIONS OF EQUIPMENT, PIPING AND DUCTWORK. PROTECT DURING CONSTRUCTION AND MAINTAIN OPERATION.
- ② EXISTING CEILING GRILLES TO REMAIN. PROTECT DURING CONSTRUCTION AND MAINTAIN CONNECT TO MECHANICAL EQUIPMENT.
- ③ EXISTING CEILING DIFFUSER TO BE REMOVED AND RETAINED FOR RE-INSTALLATION AFTER NEW CEILING WORK IS FINISHED. EXISTING BRANCH DUCT TO REMAIN.
- ④ REMOVE EXISTING RETURN AIR GRILLE FROM CEILING.
- ⑤ PROVIDE AND INSTALL NEW 24x12 RETURN AIR GRILLE. COORDINATE ACTUAL LOCATION WITH NEW CEILING GRID AND LIGHT FIXTURES.
- ⑥ RELOCATE EXISTING WALL MOUNT THERMOSTAT AND/OR SENSOR. MOUNT EXISTING THERMOSTAT AND/OR SENSOR ON NEW WALL AS SHOWN IN BASEMENT MECHANICAL PLAN. EXTEND EXISTING CONTROL WIRING AS REQUIRED FOR NEW LOCATION AND RECONNECT TO BUILDING CONTROL SYSTEM AND TO EXISTING MECHANICAL EQUIPMENT.
- ⑦ EXISTING WALL MOUNTED ELECTRIC HEATER TO REMAIN. PROTECT DURING CONSTRUCTION.
- ⑧ EXISTING OUTSIDE AIR DUCT AND HOOD TO REMAIN. PROTECT DURING CONSTRUCTION.
- ⑨ DISCONNECT AND REMOVE EXISTING EXTERIOR HOSE BIBB. EXTEND EXISTING 3/4" COLD WATER LINE THRU CEILING SPACE AND CONNECT TO NEW HOSE BIBB. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING.
- ⑩ DISCONNECT AND REMOVE EXISTING WALL MOUNTED FAN COIL UNIT AND ALL ASSOCIATED REFRIGERANT PIPING TO OUTDOOR UNIT.
- ⑪ DISCONNECT EXISTING CONDENSATE PUMP AND RECEIVER TANK. RETAIN EQUIPMENT FOR RE-INSTALLATION. SEE NOTE 14.
- ⑫ EXISTING DRAIN TUBING UP INTO CEILING SPACE TO REMAIN. EXTEND EXISTING TUBING AS REQUIRED FOR NEW LOCATION OF EXISTING CONDENSATE PUMP AND RECONNECT AS REQUIRED.
- ⑬ PROVIDE AND INSTALL NEW WALL MOUNTED FAN COIL UNIT AS SPECIFIED. MOUNT AS HIGH AS POSSIBLE. RUN REFRIGERANT PIPING ABOVE CEILINGS AS SHOWN TO NEW OUTDOOR UNIT.
- ⑭ RELOCATE EXISTING CONDENSATE PUMP AND RECEIVING TANK BELOW NEW FAN COIL UNIT. RISE DRAIN TUBING UP ABOVE CEILING AND CONNECT TO EXISTING DRAIN PIPING.
- ⑮ PROVIDE AND INSTALL NEW OUTDOOR CONDENSING UNIT AS SPECIFIED. MOUNT ON CONCRETE BLOCK WITH PYRAMID TYPE SUPPORTS. RUN REFRIGERANT LINES THRU NEW FOUNDATION WALL AND ABOVE CEILINGS TO NEW INDOOR UNIT.
- ⑯ EXISTING RADON VENT SYSTEM TO REMAIN. DISCONNECT AND REMOVE EXISTING AND PVC VENT AND FAN AND RELOCATE TO NEW WALL. EXTEND EXISTING PVC VENT THRU LOWER LEVEL AND EXTEND THRU NEW EXTERIOR WALL. RECONNECT RELOCATED FAN AND RISE PVC VENT TO ABOVE ROOF. TERMINATE VENT ABOVE ROOF WITH GOOSENECK FITTING. TERMINATE LOWER VENT WITH 90° ELBOW POINTED DOWNWARD. FIELD VERIFY EXACT SIZES AND LOCATION OF EXISTING VENTS AND EQUIPMENT.
- ⑰ DISCONNECT AND REMOVE EXISTING UNIT VENTILATOR. EXISTING WALL SLEEVE AND ALL ASSOCIATED PVC VENT PIPING ON EXTERIOR OF BUILDING. CAP ALL HEATING PIPES BELOW FLOOR. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING HEAT LINES.
- ⑱ PROVIDE AND INSTALL NEW RECESSED WALL MOUNTED ELECTRIC HEATER AS SPECIFIED. MOUNT UNIT AT 12" ABOVE FLOOR.

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS  
DATE ORIGINAL SIGNED: May 1, 2019  
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES  
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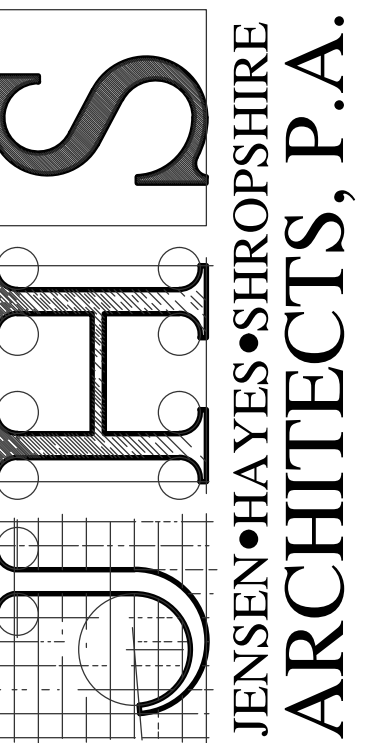
ESA JOB NUMBER: 19002

ADA ELEVATOR, BLDG #83  
IDAHO STATE UNIVERSITY, POCA TELLO, IDAHO

# MECHANICAL FLOOR PLANS

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