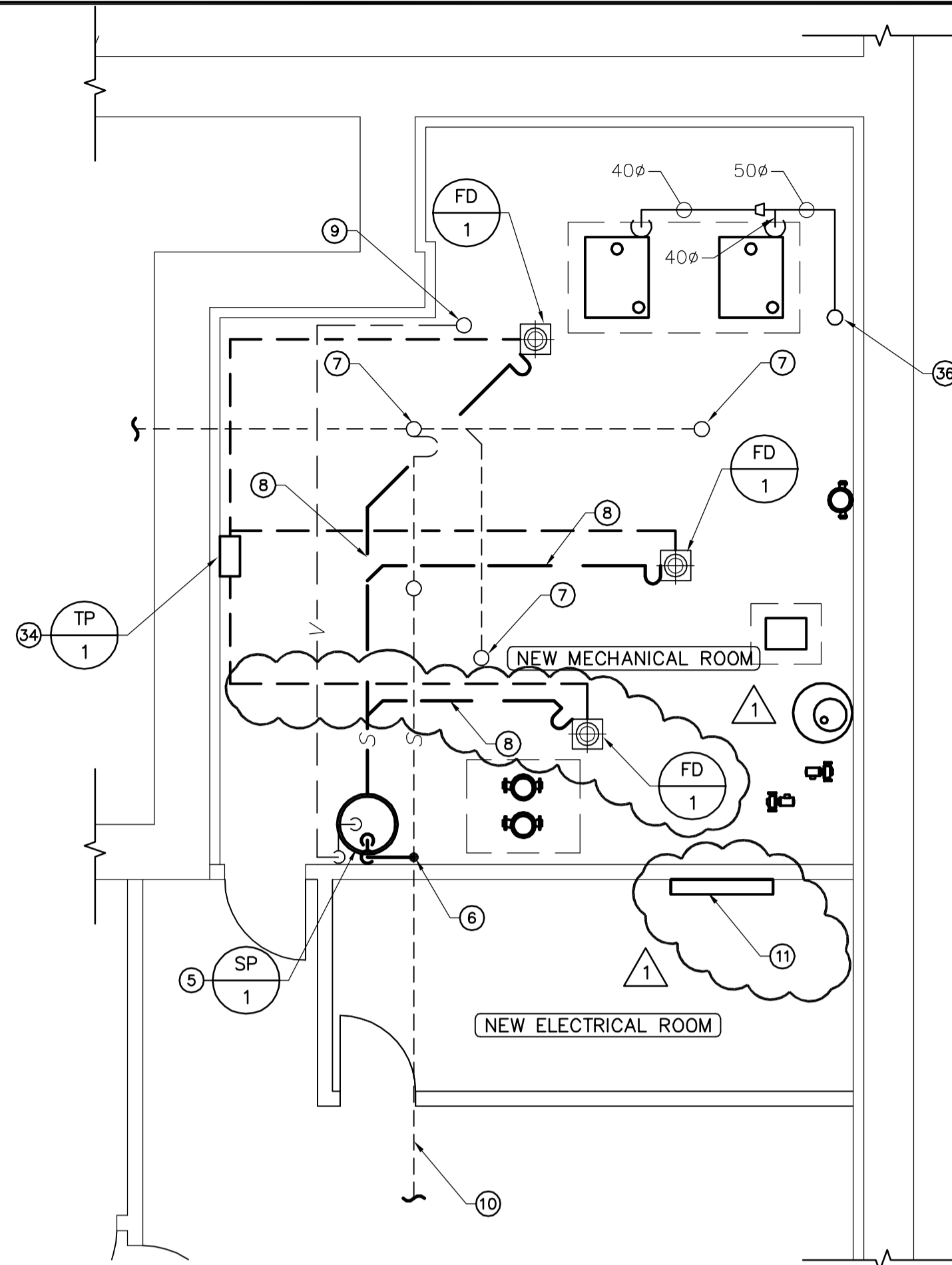
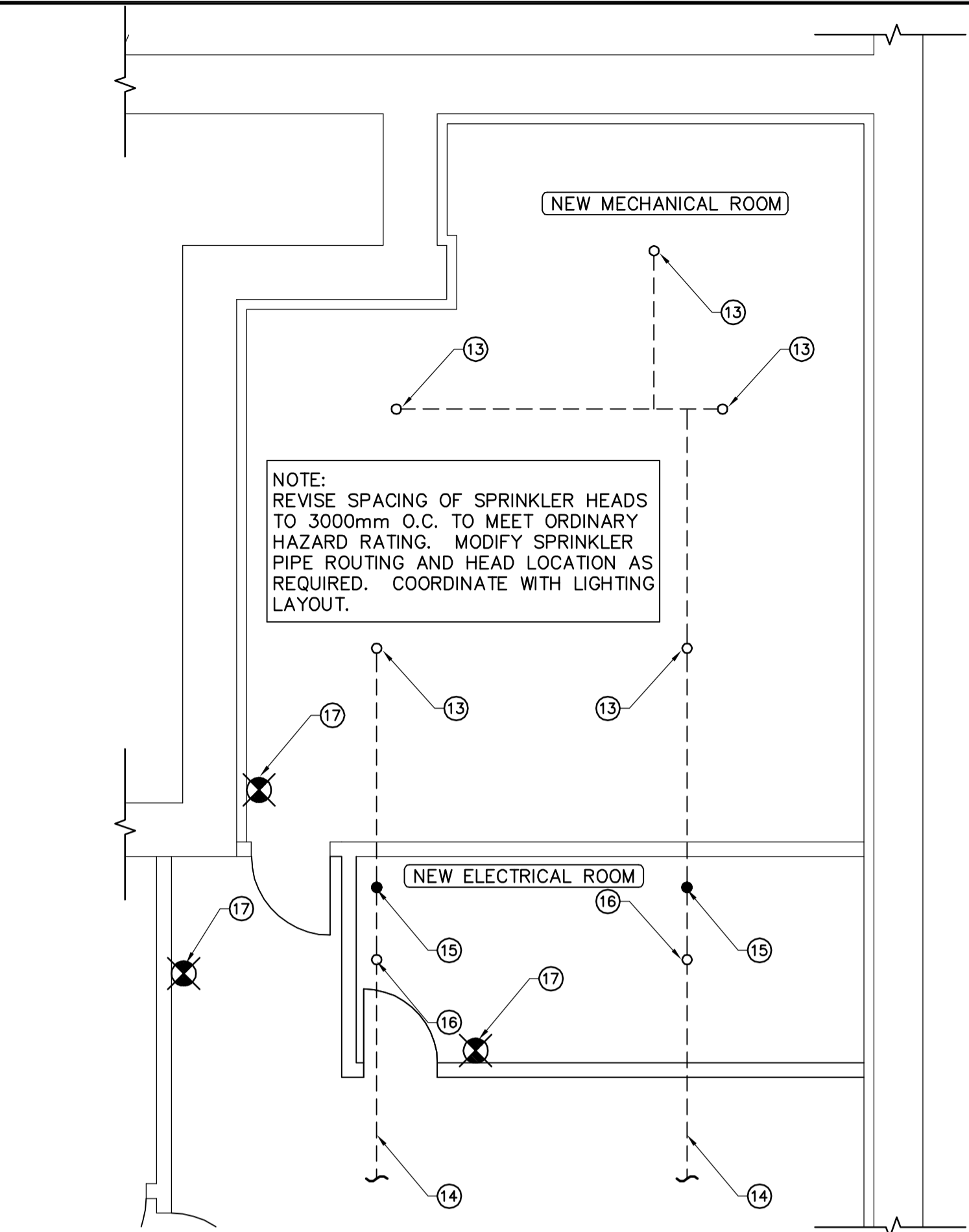


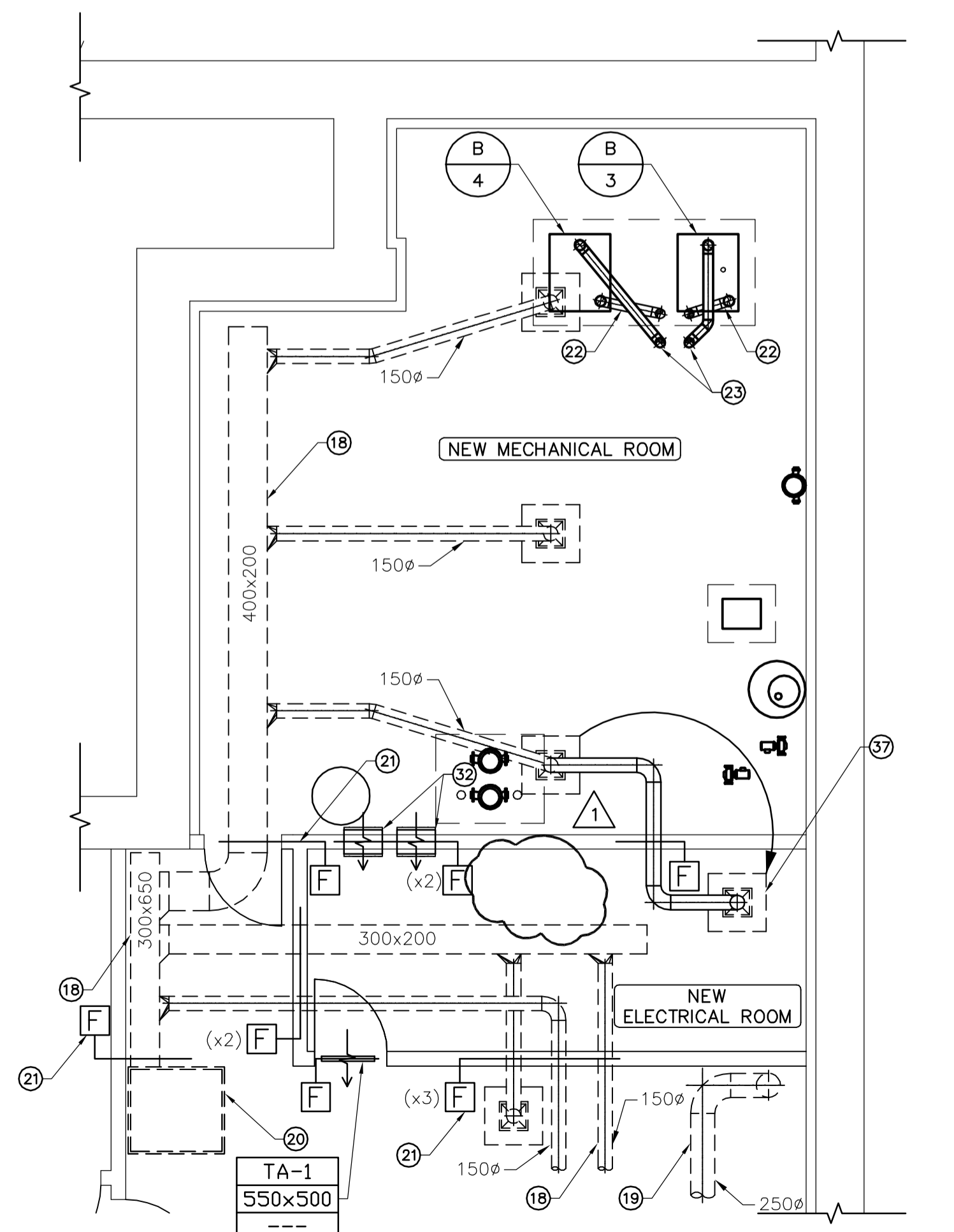
1 MECHANICAL/ELECTRICAL ROOM - RENOVATION PLAN
M05 SCALE 1:50



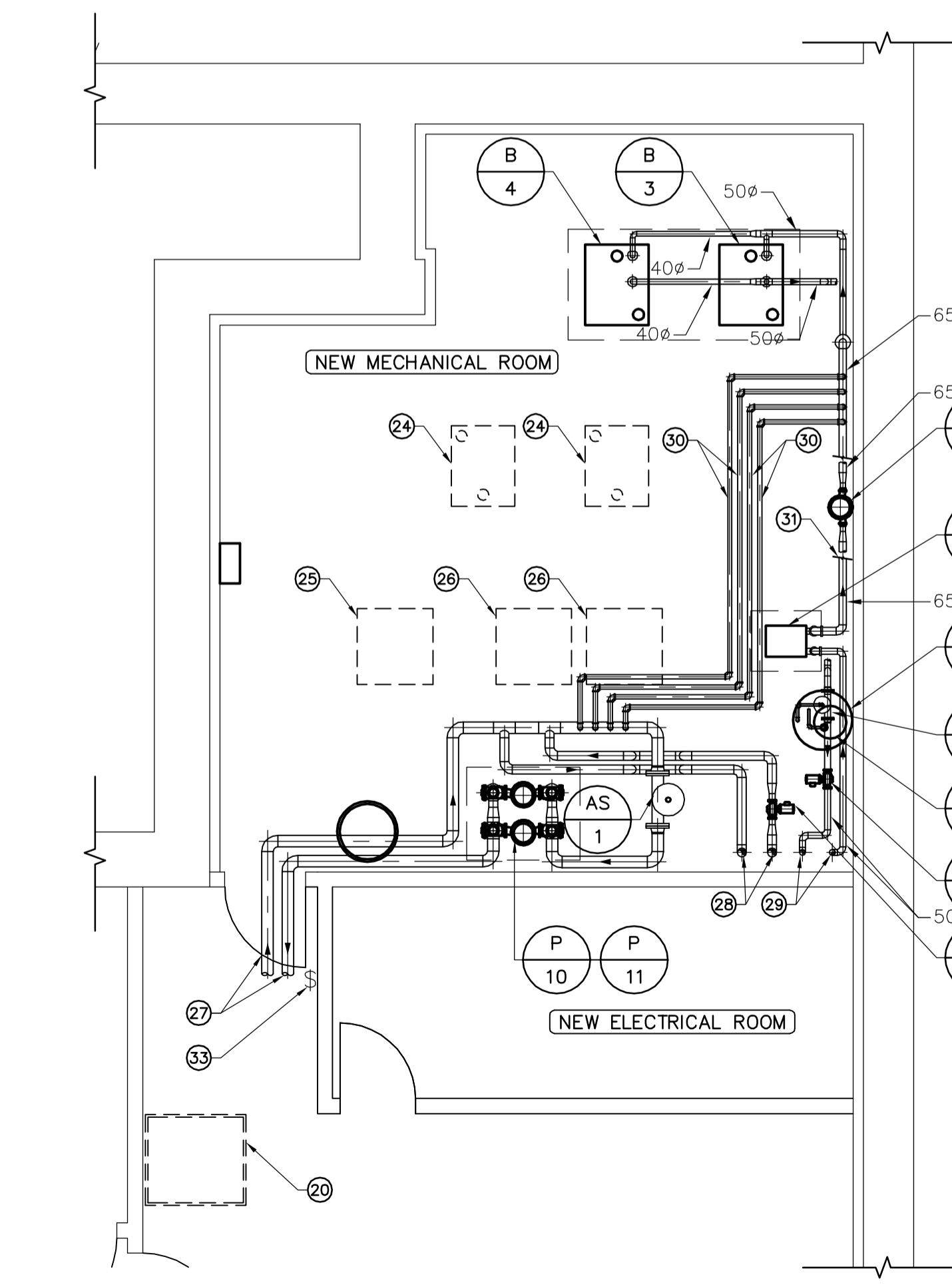
2 MECHANICAL/ELECTRICAL ROOM - PLUMBING PLAN
M05 SCALE 1:50



3 MECHANICAL/ELECTRICAL ROOM - FIRE PROTECTION PLAN
M05 SCALE 1:50



4 MECHANICAL/ELECTRICAL ROOM - VENTILATION PLAN
M05 SCALE 1:50



5 MECHANICAL/ELECTRICAL ROOM - HYDRONIC PLAN
M05 SCALE 1:50

GENERAL NOTES

- COORDINATE WITH OTHER TRADES SO AS TO PREVENT CONFLICTS.
- REFER TO ARCHITECTURAL FOR HOUSEKEEPING PAD LOCATIONS.
- COORDINATE FINAL FLOOR DRAIN LOCATIONS WITH HOUSEKEEPING PAD LOCATIONS.
- GENERAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR ON FINAL HOUSEKEEPING PAD DIMENSIONS. PADS TO EXTEND 150mm BEYOND FINAL EQUIPMENT DIMENSIONS.

- CONSTRUCTION NOTES (CONT.)**
- FUTURE WATER SOURCE HEAT PUMP LOCATION.
 - 100Ø HWS & HWR MAINS SERVING BUILDING HEAT PUMP ON BASEMENT AND MAIN FLOOR LEVELS. RUN AT HIGH LEVEL.
 - 75Ø CHWS & CHWR MAINS RISING THROUGH EXISTING MAIN FLOOR MECHANICAL ROOM ABOVE TO SERVE EXISTING FLUID COOLER.
 - 50Ø GWS & GWR MAINS RISING THROUGH EXISTING MAIN FLOOR MECHANICAL ROOM ABOVE TO SERVE HEATING/COOLING COIL IN EXISTING MAKE-UP AIR UNIT.
 - 30Ø HWS & HWR LINES RUNNING AT HIGH LEVEL. SEE HYDRONIC SCHEMATIC ON DWG. M06.
 - LINES BROKEN FOR CLARITY. SEE HYDRONIC SCHEMATIC ON DWG. M06.
 - 400x250 TRANSFER AIR DUCT AT HIGH LEVEL c/w 25mm METAL MESH ON OPENINGS AND FIRE DAMPER IN WALL. TYPICAL OF 2.
 - LOCATE EMERGENCY BOILER DISCONNECT SWITCH AT MECHANICAL ROOM ENTRANCE.
 - PROVIDE 15Ø DCW DOWN FROM MECHANICAL ROOM ABOVE. RUN THREE-15Ø COPPER COLD WATER PIPING BELOW GRADE THROUGH 75Ø SLEEVE. SEE DETAIL 6/M08.
 - OPEN NUMBER.
 - 50Ø NG DOWN FROM MECHANICAL ROOM.
 - RELOCATE EXISTING DIFFUSER AND EXTEND DUCTWORK c/w NEW FIRE DAMPER. COORDINATE WITH LIGHTING AND HYDRONIC LAYOUTS.

CONSTRUCTION NOTES

- 200mm HIGH WOOD PODIUM TO BE REMOVED.
- 600mm DEEP CABINET TO BE REMOVED.
- NEW FULL HEIGHT WALL (1 HR FIRE RATING).
- NEW 800mm WIDE FIRE-RATED DOOR.
- SEE DETAIL FOR SEWAGE PUMP PACKAGE.
- 50Ø SANITARY DISCHARGE RISING TO HIGH LEVEL. CONNECT INTO NEAREST ADEQUATELY SIZED SANITARY BRANCH.
- DOWN FROM EXISTING FLOOR DRAIN SERVING MECHANICAL ROOM ABOVE.
- 75Ø SANITARY SLOPING TO SEWAGE PUMP INLET.
- 50Ø VENT RISING TO MECHANICAL ROOM ABOVE. SEE DRAWING M-2 FOR CONTINUATION.
- EXISTING SANITARY BRANCH RUNNING AT HIGH LEVEL.
- BMS PANEL.
- EXISTING T-BAR CEILING TO BE REMOVED.
- EXISTING PENDANT-TYPE HEADS TO BE REPLACED WITH NEW UPRIGHT SPRINKLER HEADS. MODIFY PIPE CONNECTION TO SUIT.
- EXISTING SPRINKLER BRANCH RUNNING AT HIGH LEVEL.
- EXISTING PENDANT-TYPE HEAD TO BE REMOVED AND CAPPED.
- INSTALL NEW UPRIGHT SPRINKLER HEADS. MODIFY PIPE CONNECTION TO SUIT.
- NEW 10lb FIRE EXTINGUISHER c/w WALL BRACKET.
- EXISTING SUPPLY AIR DUCTWORK RUNNING AT HIGH LEVEL. SIZES AS SHOWN.
- EXISTING EXHAUST AIR DUCTWORK RUNNING AT HIGH LEVEL. SIZE AS SHOWN. MODIFY ROUTING TO SUIT LOCATION OF NEW WALL.
- EXISTING HEAT PUMP AT HIGH LEVEL.
- INSTALL FIRE DAMPERS IN DUCTWORK AT NEW FIRE-RATED WALLS. SEE DETAIL 4/M08.
- 100Ø FRESH AIR INLET DOWN FROM MAIN FLOOR MECHANICAL ROOM.
- 100Ø EXHAUST AIR DISCHARGE UP TO MAIN FLOOR MECHANICAL ROOM.
- FUTURE BOILER LOCATION.
- FUTURE WATER-TO-AIR HEAT PUMP LOCATION.

1	ISSUED FOR ADDENDUM NO. 1	DL	2008.12.05
0	ISSUED FOR TENDER	DL	2008.11.26
NO.	REVISION/DESCRIPTION	BY	DATE

SEALS



DRAWN BY	DL	CHECKED BY	PVL	APPROVED	PVL
DATE	2008.08.31	USER APPROVAL			

CITY OF WINNIPEG
PLANNING, PROPERTY AND
DEVELOPMENT DEPARTMENT
CIVIC ACCOMMODATIONS DIVISION
300 - 65 GARRY ST. R3C 4K4

PROJECT
CONFEDERATION BUILDING
SUPPLEMENTARY HEATING UPGRADES
PHASE 1 - CITY BID OPP. NO. 757-2008
457 MAIN STREET, WINNIPEG, MANITOBA

SHEET TITLE
BASEMENT
MECHANICAL/ELECTRICAL ROOM LAYOUTS



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SCALE	PROJECT NO.	SHEET NO.
AS SHOWN	105111	M05