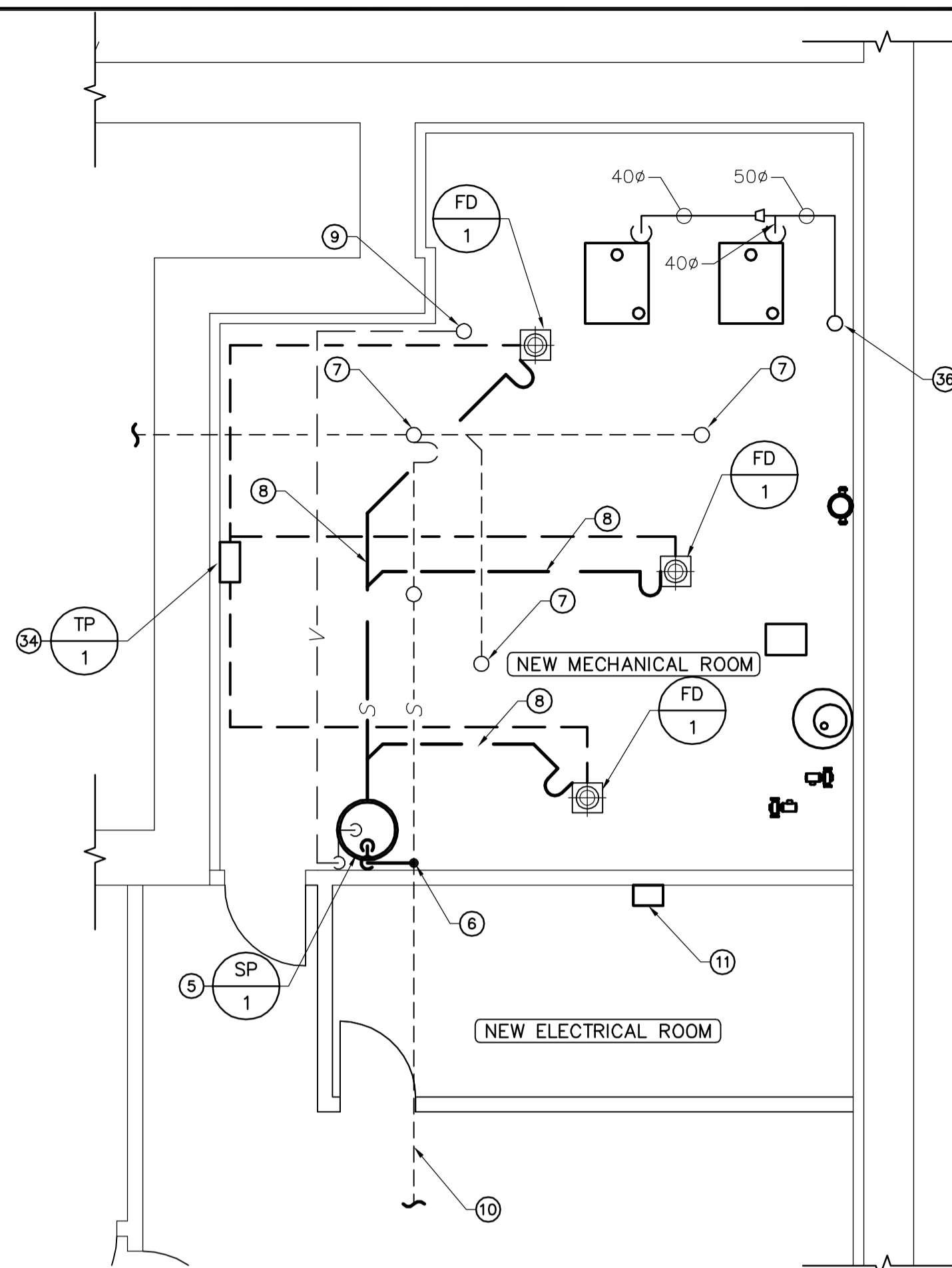
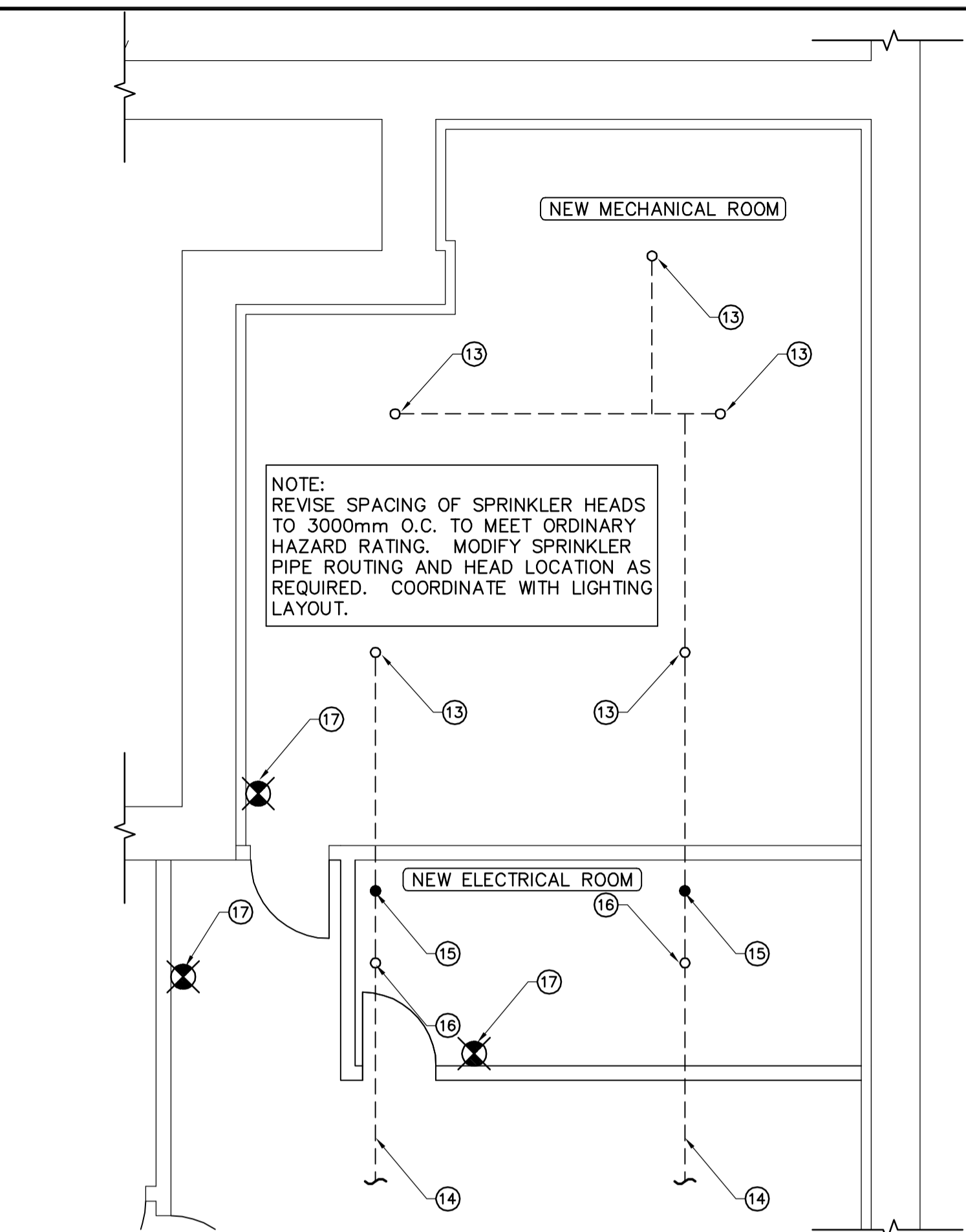


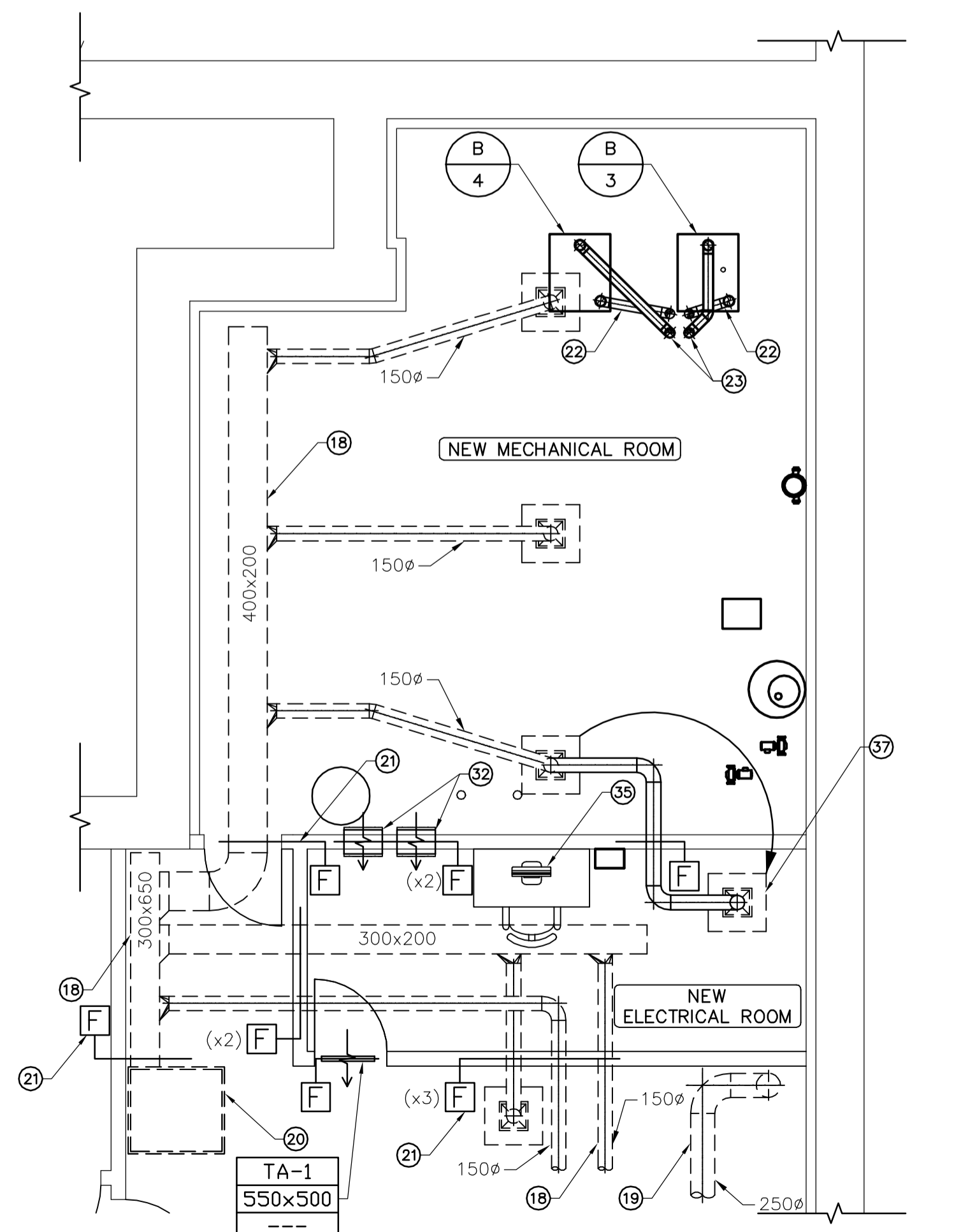
1 MECHANICAL/ELECTRICAL ROOM - RENOVATION PLAN
M05 SCALE 1:50



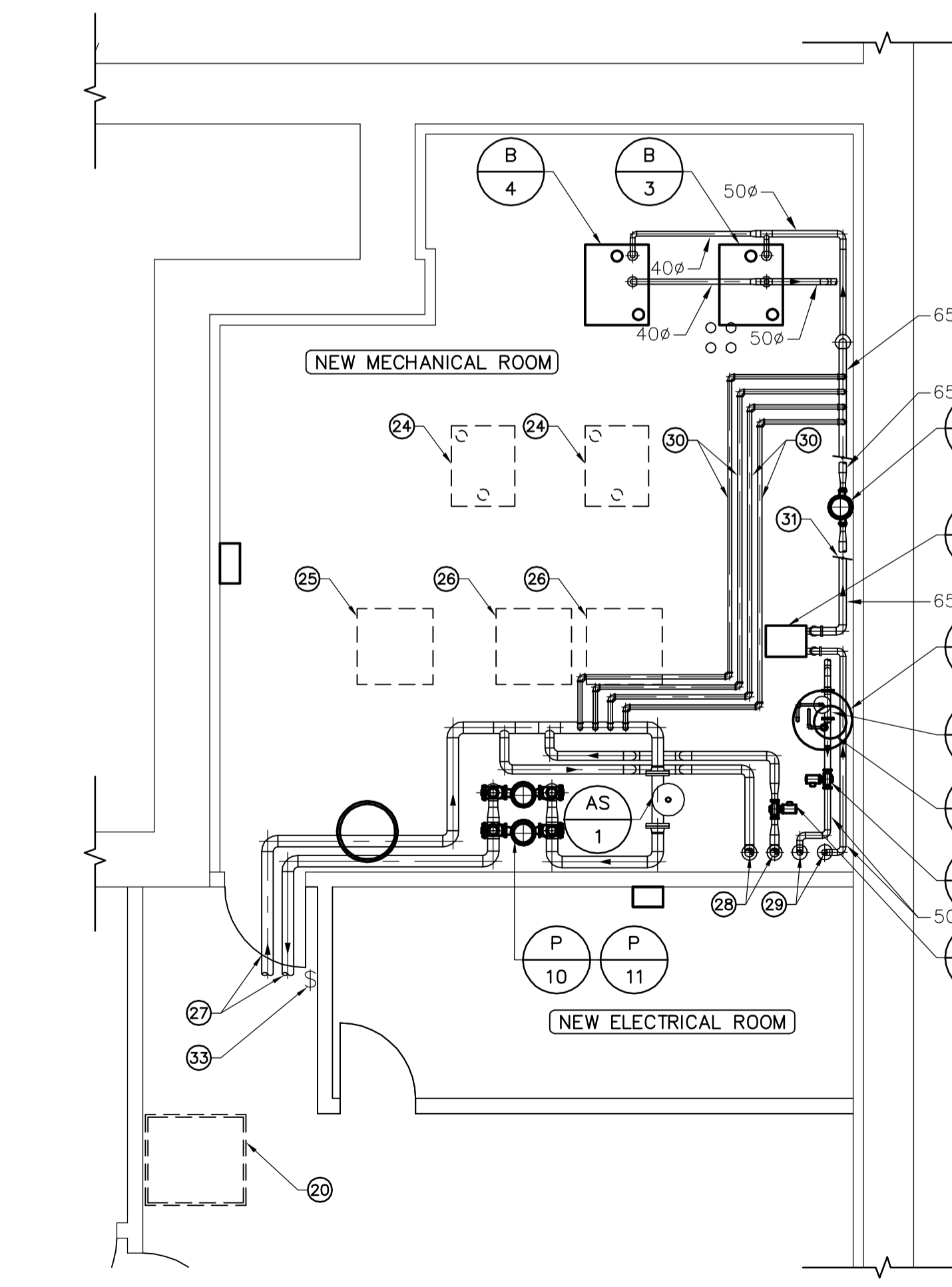
2 MECHANICAL/ELECTRICAL ROOM - PLUMBING PLAN
M05 SCALE 1:50



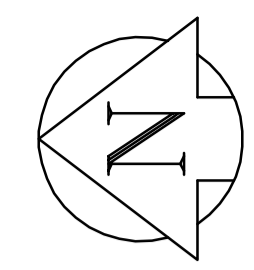
3 MECHANICAL/ELECTRICAL ROOM - FIRE PROTECTION PLAN
M05 SCALE 1:50



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



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



NOTES :

CONSTRUCTION NOTES

- 1 200mm HIGH WOOD PODIUM TO BE REMOVED.
- 2 600mm DEEP CABINET TO BE REMOVED.
- 3 NEW FULL HEIGHT WALL (1 HR FIRE RATING).
- 4 NEW 800mm WIDE FIRE-RATED DOOR.
- 5 SEE DETAIL FOR SEWAGE PUMP PACKAGE.
- 6 50ø SANITARY DISCHARGE RISING TO HIGH LEVEL. CONNECT INTO NEAREST ADEQUATELY SIZED SANITARY BRANCH.
- 7 DOWN FROM EXISTING FLOOR DRAIN SERVING MECHANICAL ROOM ABOVE.
- 8 75ø SANITARY SLOPING TO SEWAGE PUMP INLET.
- 9 50ø VENT RISING TO MECHANICAL ROOM ABOVE. SEE DRAWING M-2 FOR CONTINUATION.
- 10 EXISTING SANITARY BRANCH RUNNING AT HIGH LEVEL.
- 11 BMS PANEL.
- 12 EXISTING T-BAR CEILING TO BE REMOVED.
- 13 EXISTING PENDANT-TYPE HEADS TO BE REPLACED WITH NEW UPRIGHT SPRINKLER HEADS. MODIFY PIPE CONNECTION TO SUIT.
- 14 EXISTING SPRINKLER BRANCH RUNNING AT HIGH LEVEL.
- 15 EXISTING PENDANT-TYPE HEAD TO BE REMOVED AND CAPPED.
- 16 INSTALL NEW UPRIGHT SPRINKLER HEADS. MODIFY PIPE CONNECTION TO SUIT.
- 17 NEW 10lb FIRE EXTINGUISHER c/w WALL BRACKET.
- 18 EXISTING SUPPLY AIR DUCTWORK RUNNING AT HIGH LEVEL. SIZES AS SHOWN.
- 19 EXISTING EXHAUST AIR DUCTWORK RUNNING AT HIGH LEVEL. SIZE AS SHOWN. MODIFY ROUTING TO SUIT LOCATION OF NEW WALL.

CONSTRUCTION NOTES (CONT.)

- 20 EXISTING HEAT PUMP AT HIGH LEVEL.
- 21 INSTALL FIRE DAMPERS IN DUCTWORK AT NEW FIRE-RATED WALLS. SEE DETAIL 4/M05.
- 22 100ø FRESH AIR INLET DOWN FROM MAIN FLOOR MECHANICAL ROOM.
- 23 100ø EXHAUST AIR DISCHARGE UP TO MAIN FLOOR MECHANICAL ROOM.
- 24 FUTURE BOILER LOCATION.
- 25 FUTURE WATER-TO-AIR HEAT PUMP LOCATION.
- 26 FUTURE WATER SOURCE HEAT PUMP LOCATION.
- 27 100ø HWS & HWR MAINS SERVING BUILDING HEAT PUMP ON BASEMENT AND MAIN FLOOR LEVELS. RUN AT HIGH LEVEL.
- 28 75ø CHWS & CHWR MAINS RISING THROUGH EXISTING MAIN FLOOR MECHANICAL ROOM ABOVE TO SERVE EXISTING FLUID COOLER.
- 29 50ø GWS & GWR MAINS RISING THROUGH EXISTING MAIN FLOOR MECHANICAL ROOM ABOVE TO SERVE HEATING/COOLING COIL IN EXISTING MAKE-UP AIR UNIT.
- 30 30ø HWS & HWR LINES RUNNING AT HIGH LEVEL. SEE HYDRONIC SCHEMATIC ON DWG. M06.
- 31 LINES BROKEN FOR CLARITY. SEE HYDRONIC SCHEMATIC ON DWG. M06.
- 32 400x250 TRANSFER AIR DUCT AT HIGH LEVEL c/w 25mm METAL MESH ON OPENINGS AND FIRE DAMPER IN WALL. TYPICAL OF 2.
- 33 LOCATE EMERGENCY BOILER DISCONNECT SWITCH AT MECHANICAL ROOM ENTRANCE.
- 34 PROVIDE 15ø DCW DOWN FROM MECHANICAL ROOM ABOVE. RUN THREE-15ø COPPER COLD WATER PIPING BELOW GRADE THROUGH 75ø SLEEVE. SEE DETAIL 6/M08.
- 35 NEW COMPUTER TO BE CONNECTED INTO BMS SYSTEM.
- 36 50ø NG DOWN FROM MECHANICAL ROOM.
- 37 RELOCATE EXISTING DIFFUSER AND EXTEND DUCTWORK c/w NEW FIRE DAMPER. COORDINATE WITH LIGHTING AND HYDRONIC LAYOUTS.

0	ISSUED FOR TENDER	DL	2008.11.28
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



GENERAL NOTES

1. COORDINATE WITH OTHER TRADES SO AS TO PREVENT CONFLICTS.

AECOM

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SCALE	PROJECT NO.	SHEET NO.
AS SHOWN	105111	M05