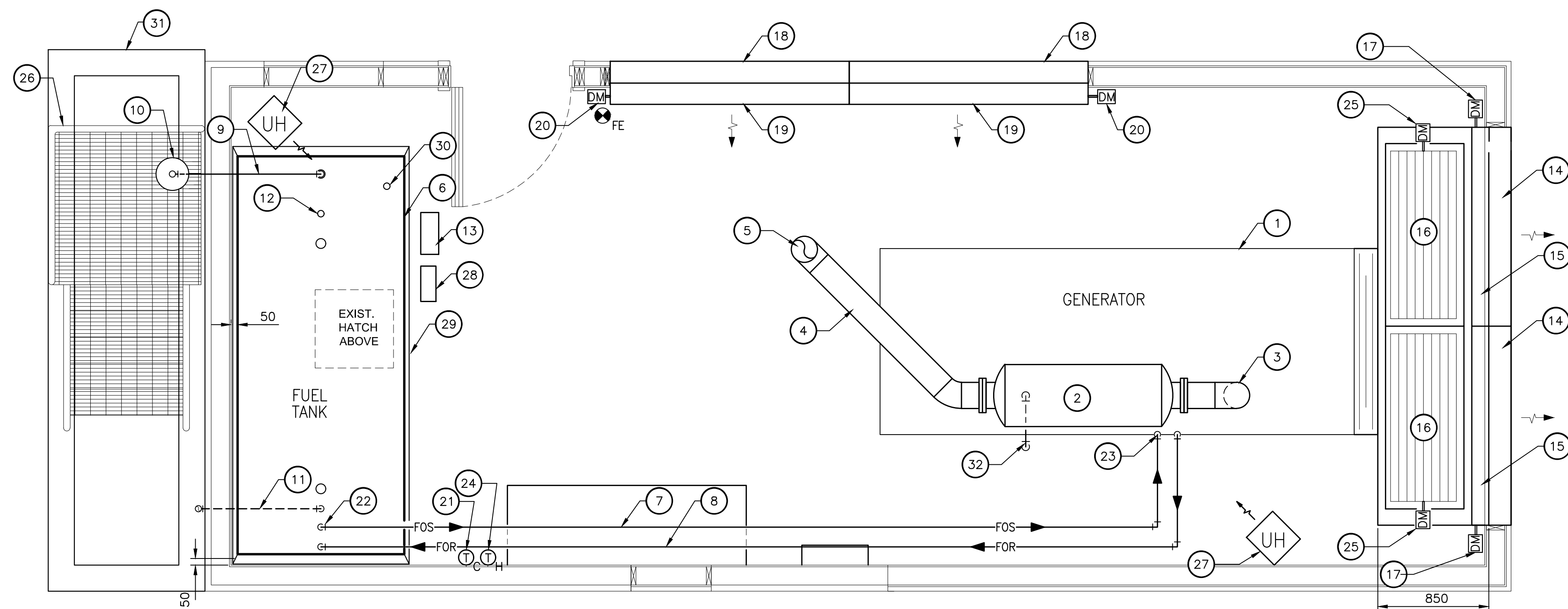
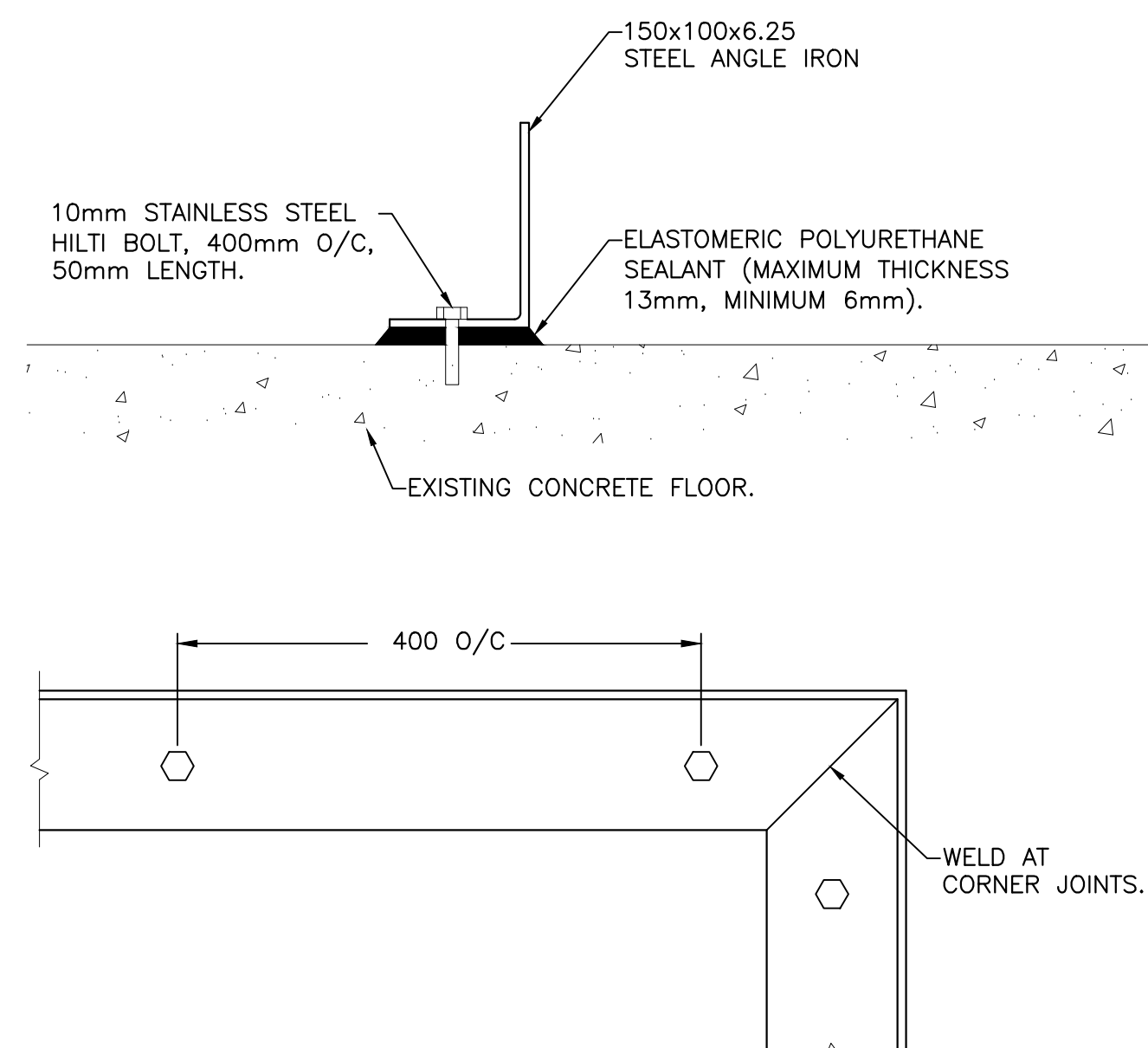
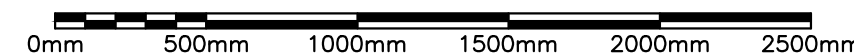


1	500KW DIESEL GENERATOR. SUPPLIED AND INSTALLED BY ELECTRICAL. COORDINATE INSTALLATION FOR MECHANICAL CONNECTIONS.	19	1800x1500 INSULATED ALUMINUM OPPOSED BLADE CONTROL DAMPER FLANGED TO LOUVRE OPENING.
2	ENGINE SILENCER. SUPPLIED BY ELECTRICAL AND INSTALLED BY MECHANICAL. INSULATE SILENCER PER SPECIFICATIONS.	20	TWO POSITION ELECTRONIC DAMPER ACTUATOR WITH SPRING RETURN, 270 INLB TORQUE. INSTALL TO CLOSE ON POWER ON/OPEN ON POWER FAIL.
3	WELDED EXHAUST PIPING DOWN TO ENGINE AND CONNECT TO FLEXIBLE CONNECTOR COMPLETE WITH FLANGES AND GASKETS. PIPE SIZE TO MATCH SILENCER. FLEXIBLE CONNECTOR SUPPLIED BY ELECTRICAL AND INSTALLED BY MECHANICAL. INSULATE EXHAUST PIPING PER SPECIFICATIONS.	21	THERMOSTAT TO CONTROL GENERATOR DAMPER OPERATION. REFER TO CONTROL SCHEMATIC.
4	200mmØ WELDED EXHAUST PIPING FROM SILENCER COMPLETE WITH FLANGES AND GASKETS. INSULATE EXHAUST PIPING PER SPECIFICATIONS.	22	ANTI-SIPHON VALVE AT TANK OUTLET.
5	WELDED EXHAUST PIPING UP THROUGH ROOF WITH ROOF THIMBLE. INSULATE PIPING UP TO THIMBLE. THIMBLE TO MATCH ROOF SLOPE. MECHANICAL TO SUPPLY AND INSTALL THIMBLE. COORDINATE WITH ROOFING CONTRACTOR.	23	FUEL OIL SUPPLY/RETURN PIPING DOWN. PROVIDE UNISTRUT SUPPORT FROM FLOOR TO CEILING.
6	3,800L FUEL OIL TANK. LOCATE WITH 50mm CLEARANCE TO END AND SIDE OF TANK.	24	HEATING THERMOSTAT, LOW VOLTAGE, NON PROGRAMMABLE.
7	19mm FUEL OIL SUPPLY PIPE RUN BELOW CEILING. REDUCE TO 12mm AT GENERATOR FLEXIBLE CONNECTION. PROVIDE FUSIBLE FIRE SAFETY VALVE AND SHUTOFF VALVE AT GENERATOR.	25	ELECTRONIC DAMPER ACTUATOR WITH SPRING RETURN AND ANALOG INPUT FOR MODULATING OPERATION, 90 INLB TORQUE. INSTALL FOR NORMALLY OPEN POSITION.
8	12mm FUEL OIL RETURN PIPING RUN BELOW CEILING. CONNECT TO FLEXIBLE CONNECTION AT GENERATOR.	26	PRE-FABRICATED GALVANIZED ACCESS LANDING WITH STAIR AND HANDRAILS. PLATFORM 1219mm X 1219mm AND 914mm LANDING HEIGHT. TOP RAIL 900-1070mm, MID RAIL, 100mm TOE BOARD. ATTACH TO CONCRETE PAD AT GROUND LEVEL.
9	65mm FILL PIPING. WEATHER SEAL PIPE PENETRATION AT BUILDING EXTERIOR WALL.	27	ELECTRIC UNIT HEATER. REFER TO HEATER SCHEDULE.
10	SPILL RECEPTACLE WITH LID AND LOCK. SUPPORT HORIZONTAL FILL PIPING FROM BUILDING STRUCTURE.	28	EMCS CONTROL PANEL WITH WIRELESS COMMUNICATION TO INTEGRATE WITH SITE EMCS. REFER TO DETAIL ON M03. MOUNT ON UNI-STRUT STAND.
11	50mm VENT PIPE. WEATHER SEAL PIPE PENETRATION AT BUILDING EXTERIOR WALL. PROVIDE WHISTLE AT VENT TERMINATION.	29	3200x1350 TANK LIGHT TIGHT SILL FASTENED TO FLOOR FABRICATED FROM 150x100x6.25 STEEL ANGLE AND PAINTED SAFETY YELLOW. SEE DETAIL THIS SHEET FOR SEALING AND FASTENING DETAILS.
12	TANK LEVEL PROBE. WIRE TO TANK LEVEL MONITOR LOCATED IN GENERATOR ROOM.	30	ROOM LEAK DETECTION SENSOR. WIRE SENSOR TO TANK LEVEL MONITORING PANEL. REFER TO DETAIL ON DWG M03.
13	ELECTRONIC TANK LEVEL MONITOR. REFER TO SPECIFICATIONS. MOUNT ON UNI-STRUT STAND.	31	PETROLEUM TRANSFER AREA CONTAINMENT STRUCTURE BY STRUCTURAL.
14	1500x1500 - 150mm DEEP STORMPROOF LOUVRE WITH ALUMINUM BIRDSCREEN. WEATHER SEAL TO BUILDING.	32	EXHAUST DRAIN PIPE, SCH 40 STEEL, WITH SHUT-OFF VALVE AT TERMINATION POINT 900mm AFF. COORDINATE LOCATION SO NOT TO INTERFERE WITH GENERATOR MAINTENANCE/SERVICING.
15	1500x1500 INSULATED ALUMINUM OPPOSED BLADE CONTROL DAMPER FLANGED TO LOUVRE OPENING.		
16	1400x600 OPPOSED BLADE CONTROL DAMPER FLANGED TO TOP OF EXHAUST PLENUM.		
17	ELECTRONIC DAMPER ACTUATOR WITH SPRING RETURN AND ANALOG INPUT FOR MODULATING OPERATION, 180 INLB TORQUE. INSTALL FOR NORMALLY CLOSED POSITION.		
18	1800x1500 - 150mm DEEP STORMPROOF LOUVER WITH ALUMINUM BIRDSCREEN. WEATHER SEAL TO BUILDING.		



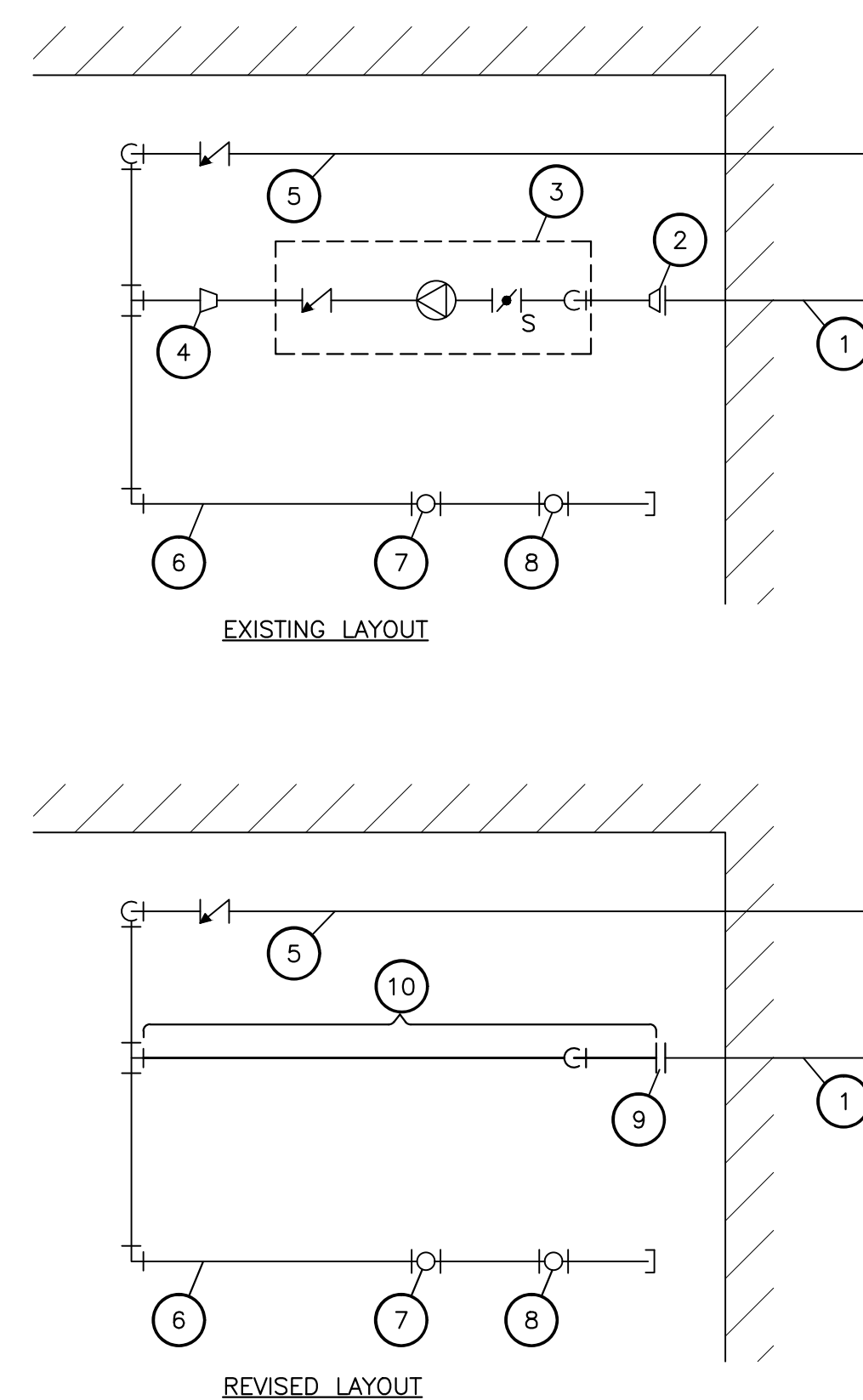
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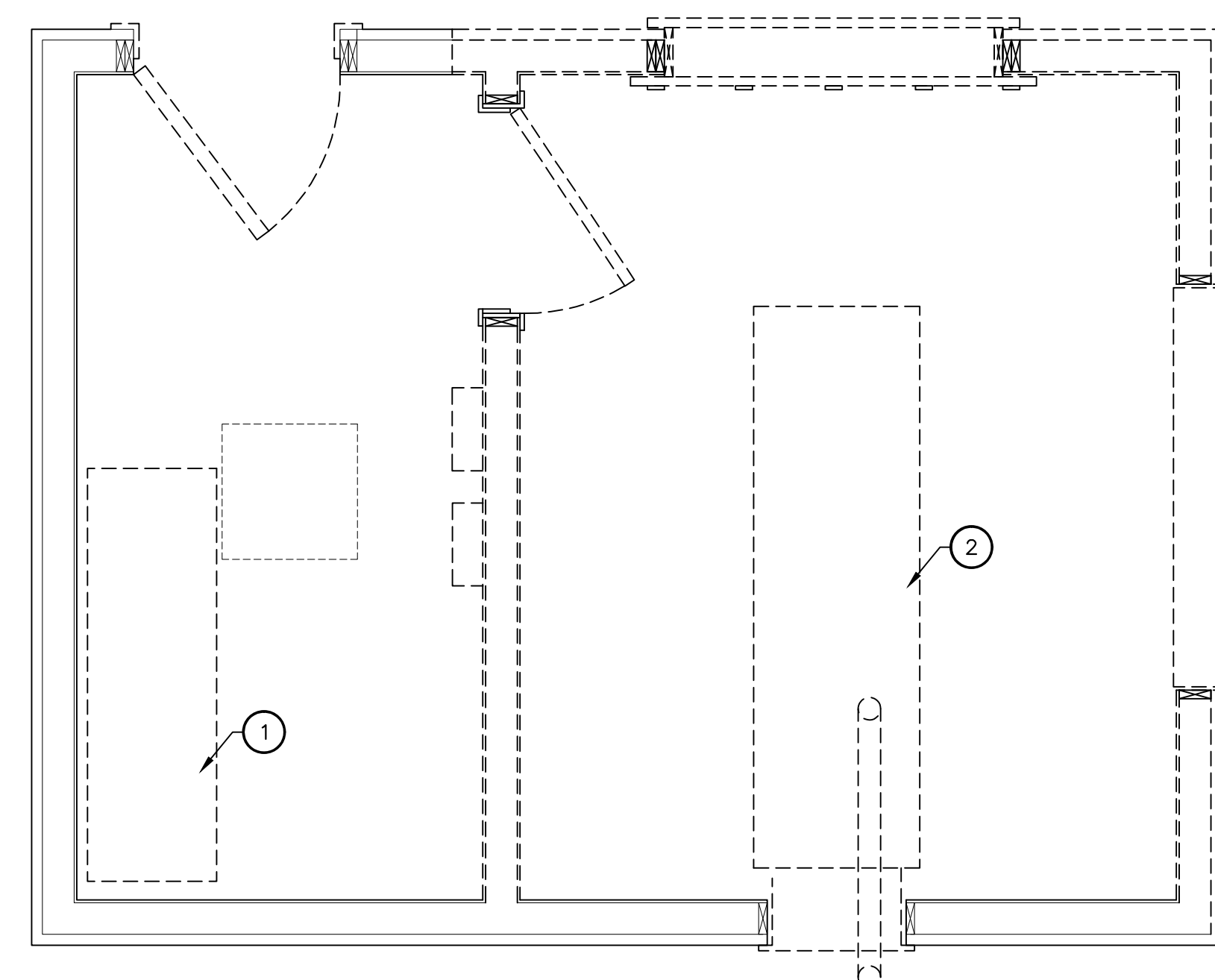
4
M02/M02



1. EXISTING 150mm WATER ENTRANCE INTO BUILDING TO REMAIN.
2. REDUCING FLANGE CONNECTION TO BE REMOVED.
3. EXISTING INLINE ELECTRIC FIRE PUMP AND CONTROLLER ON SKID TO BE REMOVED AND DISPOSED OF. DISCONNECT AND REMOVE FIRE ALARM DEVICES AND CONNECTIONS ON SKID AND RE-VERIFY ALARM SYSTEM.
4. EXISTING REDUCING FITTING TO BE REMOVED.
5. EXISTING FIRE DEPARTMENT CONNECTION TO REMAIN.
6. EXISTING FIRE WATER HEADER TO REMAIN.
7. EXISTING WET SPRINKLER RISER TO REMAIN.
8. EXISTING DRY SPRINKLER RISER TO REMAIN.
9. CONNECT TO EXISTING FITTING.
10. NEW 150mm PIPE SECTION TO REPLACE REMOVED PUMP SKID AND FITTINGS. OFFSET AS REQUIRED TO MATCH ELEVATION DIFFERENCE.

SCALE: NTS

3
M02M02



- 1 EXISTING DIESEL FUEL TANK AND TRANSFER PIPING, TRANSFER REMAINING DIESEL PRODUCT TO NEW TANK. TEMPORARILY STORE AS REQUIRED. REMAINING WATER/SLUDGE/PRODUCT FROM BASE OF TANK AND FUEL SUPPLY PIPING TO BE PROPERLY REMOVED AND DISPOSED OF. TANK AND FUEL PIPING TO BE CLEANED AND CERTIFIED GAS FREE PRIOR TO REMOVING FROM SITE AND DISPOSING OF. COMPLETE NECESSARY FORMS FOR TANK REMOVAL FROM SERVICE.
- 2 EXISTING DIESEL GENERATOR. ASSIST IN DEMOLITION OF GENERATOR SYSTEM INCLUDING DISCONNECTION OF FUEL LINES, EXHAUST SYSTEM, AND REMOVAL OF VENTILATION CONTROL DAMPER ACTUATOR, DAMPERS, AND LOUVERS. PROPERLY DISPOSE OF EQUIPMENT AND MATERIALS.

SCALE: 1:25

SCALE : 1:25

