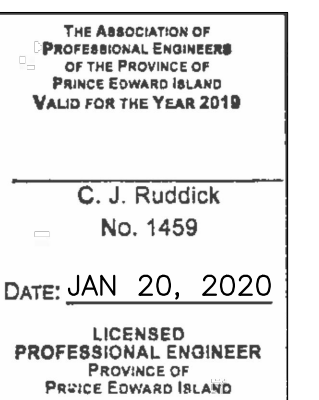


NOTES:

1. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE BEFORE PROCEEDING WITH ANY PORTION OF THIS WORK. DO NOT SCALE FROM DRAWINGS.
2. SPRINKLER CONTRACTOR TO PROVIDE REQUIRED TESTING AND VERIFICATION OF BOTH EXISTING VISITOR CENTRE AND GREEN CABLES HOUSE SPRINKLER SYSTEMS AS PART OF THIS CONTRACT. VISITOR CENTRE SHOP DRAWINGS ARE AVAILABLE TO CONTRACTOR. NO DOCUMENTS EXIST FOR GREEN CABLES HOUSE.



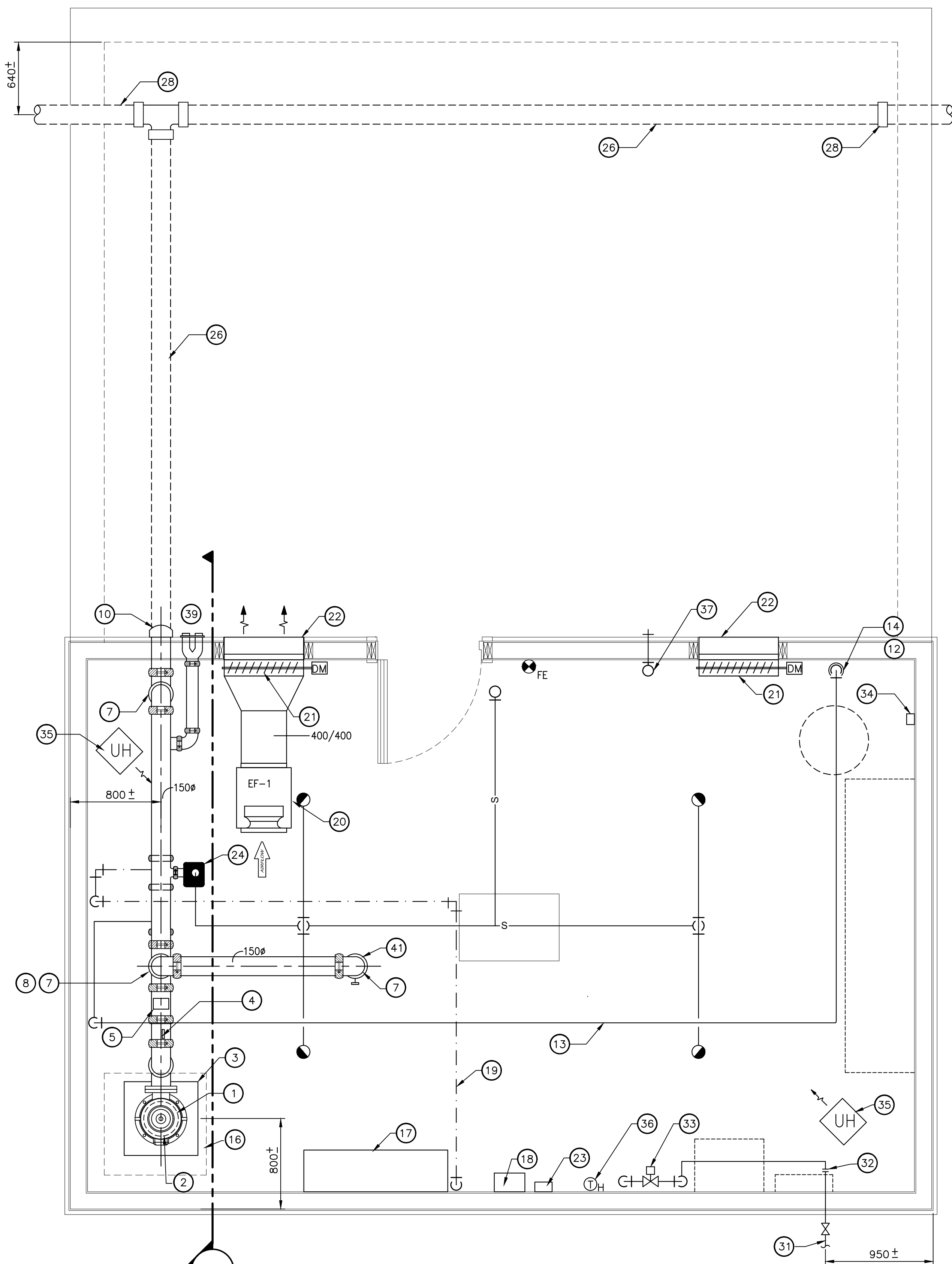
0	ISSUED FOR TENDER	01.20 2019
revisions		date

project GREEN CABLES-PHASE 4
FIRE PROTECTION SYSTEM
AND EMERGENCY POWER
QUEENS CO., PEI

drawing MECHANICAL dessin

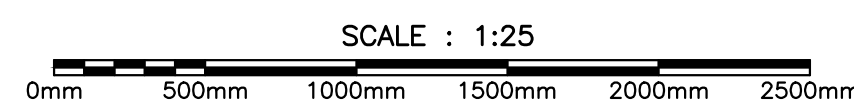
FIRE PUMP
SHED LAYOUT AND
SECTION

designed P.S	conqu
date NOV-2019	
drawn J.S.J	dessiné
date NOV-2019	
approved AND EMERGENCY POWER	approuvé
date	
Tender	Soumission
PWSC Project Manager	Administrateur de projets TPSC
project number	no. du projet
R.081199.001	
drawing no.	no. du dessin
M01	



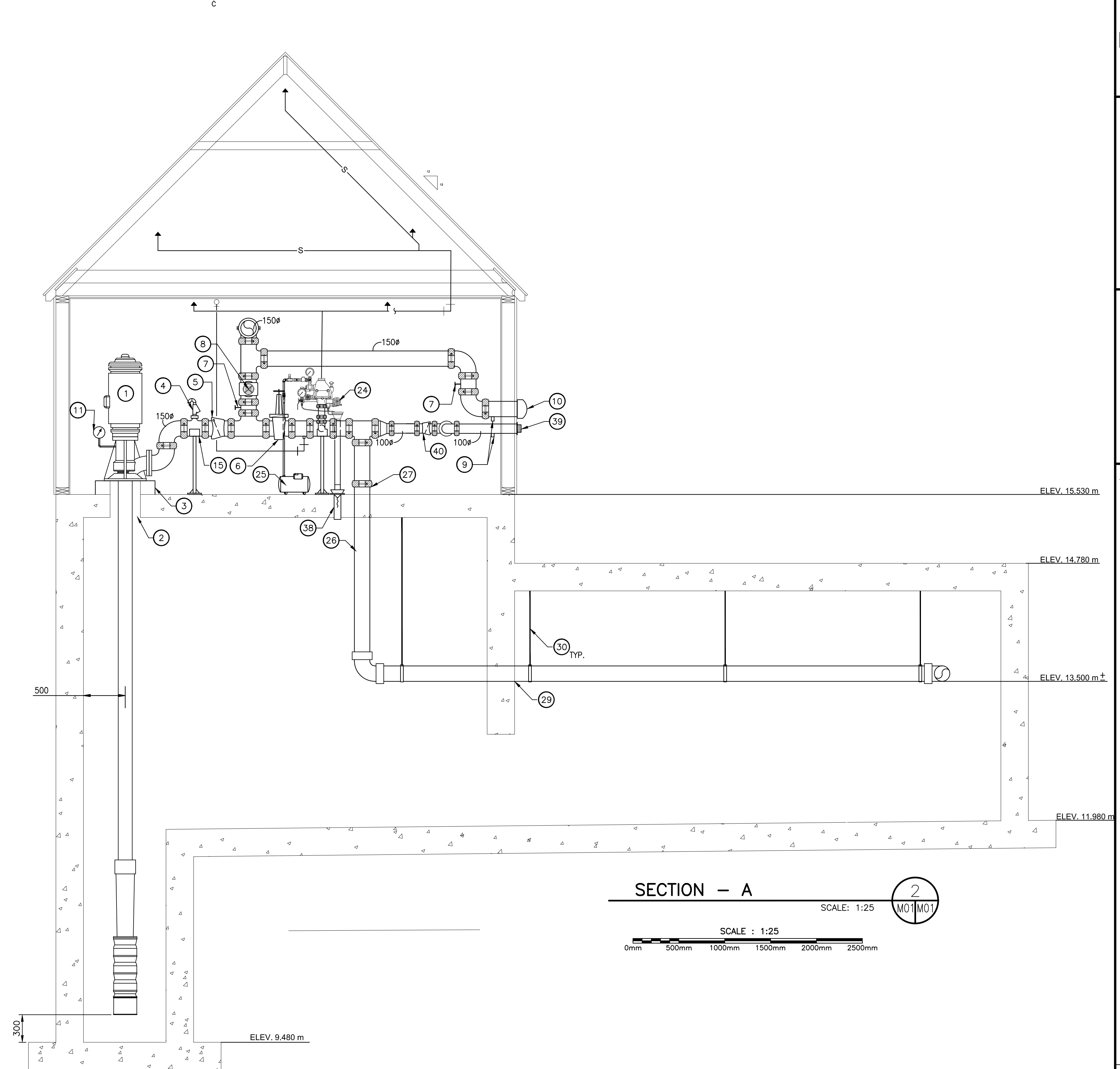
PLAN VIEW - FIRE PUMP SHED

SCALE: 1:25



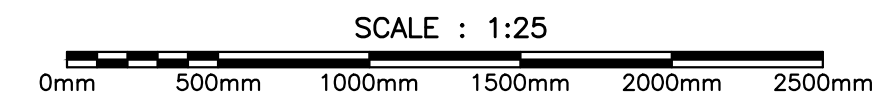
DRAWING NOTES:

1. ELECTRIC VERTICAL TURBINE FIRE PUMP. 2,310 LPM @ 690 KPA. REFER TO SPECIFICATIONS.
2. 330mm HOLE FOR PUMP SHAFT INSTALLATION. COORDINATE EXACT SIZE WITH FIRE PUMP MANUFACTURER.
3. 150mm HIGH HOUSEKEEPING PAD.
4. 38mm AIR RELEASE VALVE WITH 180 DEGREE BEND.
5. 150mm CHECK VALVE.
6. 150mm LISTED SUPERVISED OS&Y GATE VALVE.
7. 150mm LISTED SUPERVISED BUTTERFLY VALVE.
8. 150mm FLOW METER.
9. BALL DRIP VALVE.
10. HOSE HEADER.
11. PRESSURE GAUGE.
12. SUBMERSIBLE MULTI-STAGE JOCKEY PUMP AND TORQUE ARRESTOR. REFER TO SPECIFICATIONS.
13. 32mm DISCHARGE PIPE. SUPPORT TO CEILING AND WALL.
14. CORE HOLE FOR JOCKEY PUMP INSTALLATION. INSTALL PVC SCH 80 CASING FOR PUMP. SEE DETAIL 1 ON M03.
15. 32mm RIGID PIPE SUPPORTED TO WALL.
16. OUTLINE OF REMOVABLE ROOF OPENING FOR INSTALLATION/SERVICING OF VERTICAL TURBINE PUMP. REFER TO ARCHITECTURAL FOR DETAILS
17. FIRE PUMP CONTROLLER WITH TRANSFER SWITCH.
18. JOCKEY PUMP CONTROLLER.
19. PRESSURE SENSING LINE TO FIRE PUMP CONTROLLER.
20. EXHAUST FAN EF-1. REFER TO FAN SCHEDULE.
21. 700X800 INSULATED MOTORIZED OPPOSED BLADE DAMPER.
22. 700X800 STORMPROOF LOUVER WITH FLANGED MOUNT.
23. ROOM TEMPERATURE CONTROLLER.
24. DRY PIPE VALVE.
25. DRY PIPE SYSTEM AIR COMPRESSOR.
26. 150mm SCH 80 CPVC DISCHARGE PIPING RUN IN CISTERN.
27. CONVERT FROM ROLL GROOVED STEEL TO CPVC BEFORE ENTERING CISTERN. ANCHOR AND SEAL PIPE AT PENETRATION.
28. CONNECT TO EXISTING 150mm PIPING RUN INTO CISTERN.
29. CORE THROUGH INTERMEDIATE WALL FOR PASSING PIPE THROUGH. ANCHOR PIPE TO WALL FOR LATERAL MOVEMENT.



SECTION - A

SCALE: 1:25



FIRE PROTECTION LEGEND

NEW SPRINKLER PIPING	—S—
SPRINKLER HEAD (UP-RIGHT TYPE) PLAN VIEW	•
SPRINKLER HEAD (UP-RIGHT TYPE)	▲
PIPE RISER DOWN	—HD—
PIPE RISER UP	—HO—
DRY SPRINKLER VALVE	□
FLOOR DRAIN	—FD-1—
BALL VALVE	—(B)—
GATE VALVE	—(G)—
STRAINER	—(S)—
DRAIN VALVE WITH HOSE CONNECTION	—(D)—
CHECK VALVE	—(C)—
SOLENOID VALVE	—(S)—
DAMPER ACTUATOR	—(DM)—
PRESURE GAUGE	—(P)—
THERMOSTAT - COOLING	—(T)—
THERMOSTAT - HEATING	—(H)—

