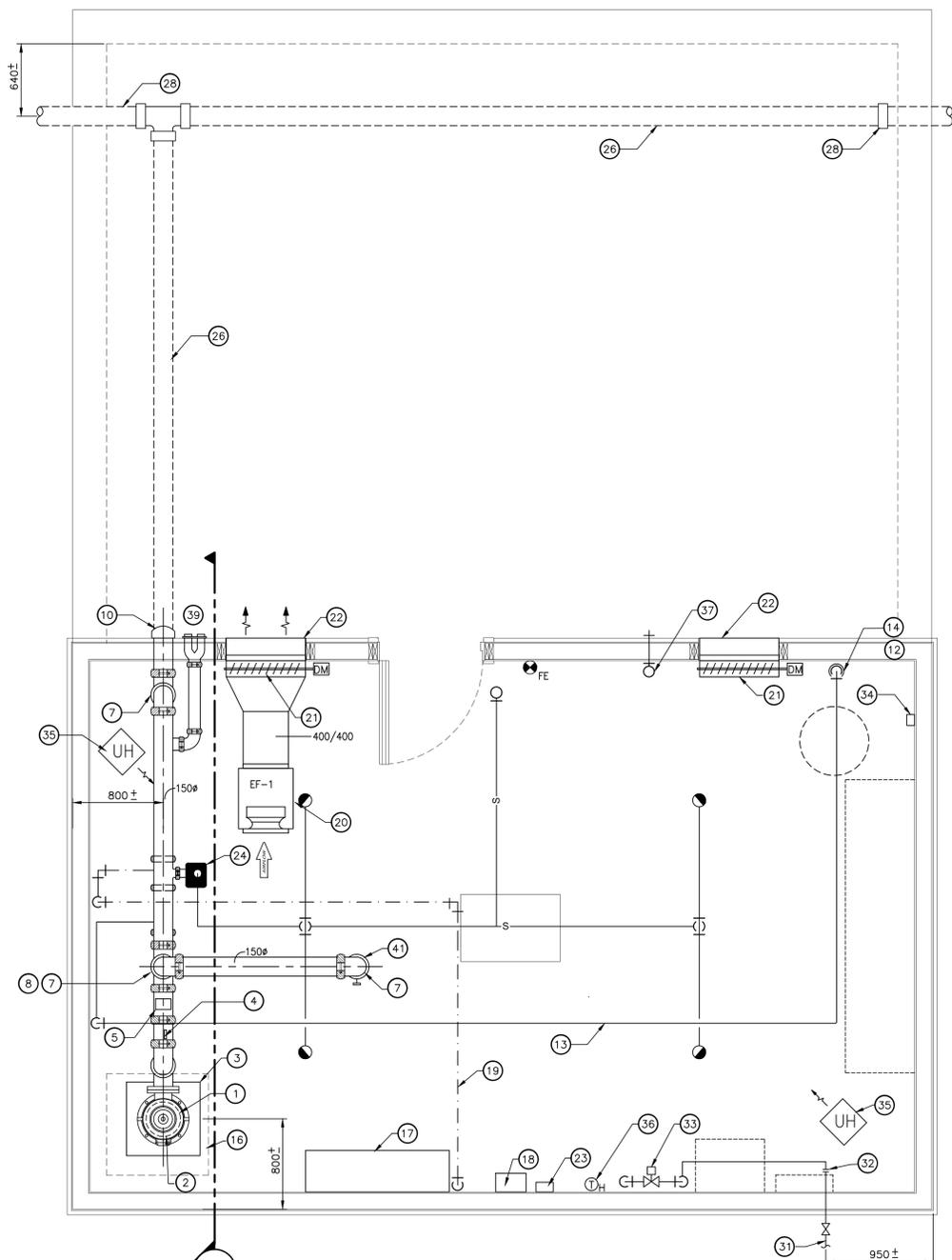


NOTES:

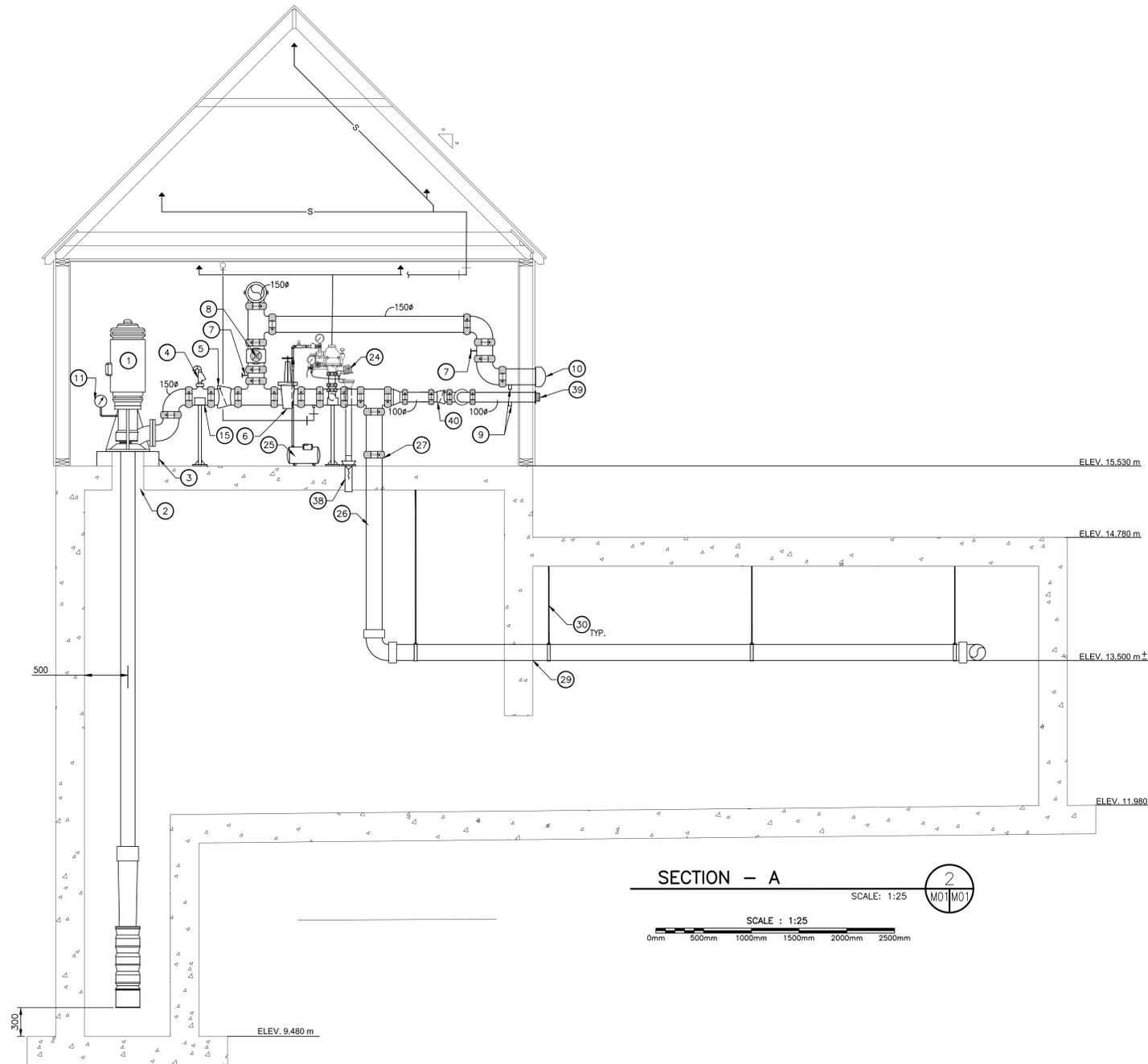
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE BEFORE PROCEEDING WITH ANY PORTION OF THIS WORK. DO NOT SCALE FROM DRAWINGS.
- SPRINKLER CONTRACTOR TO PROVIDE REQUIRED TESTING AND VERIFICATION OF BOTH EXISTING VISITOR CENTRE AND GREEN GABLES HOUSE SPRINKLER SYSTEMS AS PART OF THIS CONTRACT.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

THE ASSOCIATION OF PROFESSIONAL ENGINEERS AND THE PROVINCE OF ALBERTA  
VALID FOR THE YEAR 2019  
C. J. Riddick  
No. 1459  
DATE: JAN 20, 2020  
LICENSED PROFESSIONAL ENGINEER  
Province of Prince Edward Island



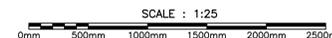
PLAN VIEW - FIRE PUMP SHED

SCALE: 1:25



SECTION - A

SCALE: 1:25



DRAWING NOTES:

- |  |   |
|--|---|
| <p>1 ELECTRIC VERTICAL TURBINE FIRE PUMP. 2,310 LPM @ 690 KPA. REFER TO SPECIFICATIONS.</p> <p>2 330mm HOLE FOR PUMP SHAFT INSTALLATION. COORDINATE EXACT SIZE WITH FIRE PUMP MANUFACTURER.</p> <p>3 150mm HIGH HOUSEKEEPING PAD.</p> <p>4 36mm AIR RELEASE VALVE WITH 180 DEGREE BEND.</p> <p>5 150mm CHECK VALVE.</p> <p>6 150mm LISTED SUPERVISED OS&amp;Y GATE VALVE.</p> <p>7 150mm LISTED SUPERVISED BUTTERFLY VALVE.</p> <p>8 150mm FLOW METER.</p> <p>9 BALL DRIP VALVE.</p> <p>10 HOSE HEADER.</p> <p>11 PRESSURE GAUGE.</p> <p>12 SUBMERSIBLE MULTI-STAGE JOCKEY PUMP AND TORQUE ARRESTOR. REFER TO SPECIFICATIONS.</p> <p>13 32mm DISCHARGE PIPE. SUPPORT TO CEILING AND WALL.</p> <p>14 CORE HOLE FOR JOCKEY PUMP INSTALLATION. INSTALL PVC SCH 80 CASING FOR PUMP. SEE DETAIL 1 ON M03.</p> | <p>15 32mm RIGID PIPE SUPPORTED TO WALL.</p> <p>16 OUTLINE OF REMOVABLE ROOF OPENING FOR INSTALLATION/SERVICING OF VERTICAL TURBINE PUMP. REFER TO ARCHITECTURAL FOR DETAILS</p> <p>17 FIRE PUMP CONTROLLER WITH TRANSFER SWITCH.</p> <p>18 JOCKEY PUMP CONTROLLER.</p> <p>19 PRESSURE SENSING LINE TO FIRE PUMP CONTROLLER.</p> <p>20 EXHAUST FAN EF-1. REFER TO FAN SCHEDULE.</p> <p>21 700X800 INSULATED MOTORIZED OPPOSED BLADE DAMPER.</p> <p>22 700X800 STORMPROOF LOUVER WITH FLANGED MOUNT.</p> <p>23 ROOM TEMPERATURE CONTROLLER.</p> <p>24 DRY PIPE VALVE.</p> <p>25 DRY PIPE SYSTEM AIR COMPRESSOR.</p> <p>26 150mm SCH 80 CPVC DISCHARGE PIPING RUN IN CISTERN.</p> <p>27 CONVERT FROM ROLL GROOVED STEEL TO CPVC BEFORE ENTERING CISTERN. ANCHOR AND SEAL PIPE AT PENETRATION.</p> <p>28 CONNECT TO EXISTING 150mm PIPING RUN INTO CISTERN.</p> <p>29 CORE THROUGH INTERMEDIATE WALL FOR PASSING PIPE THROUGH. ANCHOR PIPE TO WALL FOR LATERAL MOVEMENT.</p> |
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| <p>30 PIPE HANGER. ALL STAINLESS STEEL CONSTRUCTION.</p> <p>31 EXISTING 25mm CPVC MAKE-UP WATER LINE TO CISTERN.</p> <p>32 CONNECT TO EXISTING 25mm CPVC LINE INSIDE CISTERN.</p> <p>33 CISTERN MAKE-UP WATER SOLENOID VALVE WITH BY-PASS. SEE DETAIL 8 ON M03.</p> <p>34 CISTERN WATER LEVEL CONTROLLER. SEE DETAIL 6 ON DWG M03.</p> <p>35 ELECTRIC UNIT HEATER. REFER TO HEATER SCHEDULE.</p> <p>36 HEATING THERMOSTAT, LOW VOLTAGE, NON PROGRAMMABLE.</p> <p>37 INSPECTORS TEST CONNECTION PIPED FROM MOST REMOTE ATTIC SPRINKLER HEAD.</p> <p>38 DRY SYSTEM DRAIN. 75mm PIPE STUBBED THROUGH FLOOR WITH 75mm HUB DRAIN FITTING AND TRAP GUARD.</p> <p>39 FIRE DEPARTMENT CONNECTION. THREAD TO MATCH LOCAL FIRE DEPARTMENT STANDARD.</p> <p>40 100mm CHECK VALVE.</p> <p>41 TERMINATE TEST FLOW PIPE THROUGH CISTERN FLOOR AND ANCHOR TO FLOOR.</p> |
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FIRE PROTECTION LEGEND	
NEW SPRINKLER PIPING	← S →
SPRINKLER HEAD (UP-RIGHT TYPE) PLAN VIEW	•
SPRINKLER HEAD (UP-RIGHT TYPE)	▲
PIPE RISER DOWN	← RD →
PIPE RISER UP	← RU →
DRY SPRINKLER VALVE	□
FLOOR DRAIN	FD-1
BALL VALVE	← BV →
GATE VALVE	← GV →
STRAINER	← ST →
DRAIN VALVE WITH HOSE CONNECTION	← DV →
CHECK VALVE	← CV →
SOLENOID VALVE	← SV →
DAMPER ACTUATOR	DM
PRESSURE GAUGE	PG
THERMOSTAT - COOLING	← TC →
THERMOSTAT - HEATING	← TH →

0	ISSUED FOR TENDER	01.20.2019
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project  
**GREEN GABLES-PHASE 4  
FIRE PROTECTION SYSTEM  
AND EMERGENCY POWER  
QUEENS CO., PEI**

drawing  
**MECHANICAL**  
FIRE PUMP  
SHED LAYOUT AND  
SECTION

designed P.S  
date NOV-2019  
drawn J.S.J  
date NOV-2019  
approved AND EMERGENCY POWER  
date  
Tender

PWSSC Project Manager Administrateur de projets TPSSC  
project number no. du projet  
**R.081199.001**

drawing no. no. du dessin  
**M01**