GENERAL NOTES:

1. ALL CONNECTIONS ARE 1/2" NPT F UNLESS OTHERWISE SPECIFIED.
2. SHOULD THE HANDLE BE IN THE OUTWARD POSITION, THE GENERATOR WILL BE BYPASSED BY AIR. THIS WILL ILLUMINATE A RED LIGHT ON THE GENERATOR (AND SIGNAL A LOCAL SUPERVISORY ALARM IF CONNECTED TO THE BUILDING MONITORING PANEL) UNTIL THE HANDLE IS TURNED TO THE UPWARD POSITION. THE UPWARD POSITION RESUMES NORMAL OPERATION ALLOWING NITROGEN TO BE MAINTAINED WITHIN THE DRY OR PRE-ACTION FIRE SPRINKLER SYSTEM (NOTE: DEVICE IS ONLINE TO PREVENT SPRINKLER PIPE CORROSION).

OPTIONAL AIR COMPRESSOR (STS-NF-QF-2) NEW OR PRE-EXISTING TO PROVIDE 30 MIN PIPING FILL PER NFPA 13 REQUIREMENTS (7.2.6.2.2)

NITROGEN STORAGE TANK PROVIDED WITH WALL BRACKETS AND STRAP

ONLY ONE LINE IN/OUT OF TANK REQUIRED. THE LOWER BALL VALVE WILL REMAIN CLOSED

PLUMBING FROM COMPRESSOR MUST GO TO THE BOTTOM PORT OF BALL VALVE

AIR MAINTENANCE DEVICE/S (RECOMMENDED AMD-1 OR EQUIVALENT - SUPPLIED BY OTHERS)

OPTIONAL WALL MOUNTING BRACKETS
### Electrical Wiring for TYP1P and 4P, with Bypass and Leak Detection with Dry Contact

#### LEAK DETECTION
- DB - DISCONNECT BOX
- F5 - FUSE
- PLC - PROGRAMMABLE LOGIC CONTROLLER
- PPM - TRACE 02 ANALYZER
- P5 - PRESSURE SWITCH
- PT - PRESSURE TRANSMITTER
- PV - AIR PILOT VALVES
- TB24 - 24 VDC TERMINAL BLOCK
- TB0V - 0V TERMINAL BLOCK
- TBG - GROUND TERMINAL BLOCK
- GCR - QUICK CONNECT CLIP # POSITIONS

#### Wiring Table

<table>
<thead>
<tr>
<th>AWG</th>
<th>COLOR</th>
<th>SERVICE</th>
<th>FIELD/INTERNAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>BLACK</td>
<td>+110-220 VAC</td>
<td>INTERNAL</td>
</tr>
<tr>
<td>14</td>
<td>WHITE</td>
<td>-110-220 VAC</td>
<td>INTERNAL</td>
</tr>
<tr>
<td>16-18</td>
<td>BROWN</td>
<td>24 + VDC</td>
<td>INTERNAL</td>
</tr>
<tr>
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<td>BLUE</td>
<td>0V</td>
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</tr>
<tr>
<td>16-22</td>
<td>YELLOW</td>
<td>SIGNAL</td>
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</tbody>
</table>

#### Torque Specifications

- FUSE BLOCK: 0.8 Nm - 1.6 Nm
- TERMINAL BLOCK: 0.4 Nm - 0.6 Nm
- GROUND BLOCK: 0.4 Nm - 0.6 Nm
- PLC: 0.22 - 0.25 Nm
- POWER SUPPLY: 0.67 Nm MAX

### Material

- ELECTRICAL SCHEMATIC

#### Project Name: TYP1P and TYP4P Electrical Schematic

#### Approved Date: 07/18/16

#### Number: ES-TYP1P-4P