**SECTION 1: PLUMBING SPECIFICATIONS**

- **REMARKS**
  - 120V / 1-PH, PROVIDE AQUASTAT W/ TIMER
  - **B & G**
  - 1/2"

- **FIXTURES**
  - **INSULATION**
  - **PLUMBING**
  - 22 40 00
  - 22 10 00
  - 22 10 05
  - **DRAINAGE**

- **PLUMBING FIXTURE SCHEDULE**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Qty</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sink, Lavatory Carrier for Wall Hung Lavatories</td>
<td>4</td>
<td>7&quot; Deep, 20 GA</td>
</tr>
<tr>
<td>2</td>
<td>Carrier, Floor Mounted with Concealed Arms, Equal to Wade 520</td>
<td>1</td>
<td>1-1/2&quot;</td>
</tr>
<tr>
<td>3</td>
<td>Urinal Carrier (Wall Plate) Concealed Arms, Equal to Wade 520</td>
<td>1</td>
<td>1-1/2&quot;</td>
</tr>
<tr>
<td>4</td>
<td>Mixing Valve to Meet ADA Requirements</td>
<td>1</td>
<td>Chrome Plated</td>
</tr>
<tr>
<td>5</td>
<td>Vacuum Breaker, Offset Shanks, Hose Spout</td>
<td>1</td>
<td>Equal to American Standard #9316.450 less Spray</td>
</tr>
<tr>
<td>6</td>
<td>Shielded Water Piping Flashing, Equal to Type III A</td>
<td>1</td>
<td>Chrome Plated</td>
</tr>
<tr>
<td>7</td>
<td>Valve, Sloan Regal 186-1</td>
<td>1</td>
<td>120V 1-PH, 2000 W Element 25&quot; X 18&quot;</td>
</tr>
</tbody>
</table>

- **ELEC WATER HEATER DETAIL**

- **PLUMBING CONTRACTOR REQUIREMENTS**

  - PROVIDE WATER HAMMER ARRESTORS AT EACH FLUSH VALVE AND SOLENOID VALVE.
  - INSTALL IN UPRIGHT POSTION, IN LOCATIONS AND SIZES REQUIRED BY ASME TEMPERATURE AND PRESSURE RELIEF VALVE.
  - INSTALL PRESSURE RELIEF VALVE AS REQUIRED.
  - FOR INDIRECT DRAIN.

- **PLUMBING CONTRACTOR RESPONSIBILITIES**

  - PROVIDE MIXING VALVE TO MEET ADA REQUIREMENTS.
  - PROVIDE WATER PUMPING SYSTEM HAVING 10 GPM CAPACITY FOR ABOVE GRADE AND BELOW GRADE WATER PIPING.
  - PROVIDE TANKS FOR THE INDIRECT SYSTEM.
  - PROVIDE PARALLEL PIPING SYSTEMS FOR ABOVE GRADE AND BELOW GRADE WATER PIPING.
  - PROVIDE AQUASTAT W/ TIMER.

- **PLUMBING CONTRACTOR RESPONSIBILITIES - ABOVE GRADE**

  - ABOVE GRADE: WATER PIPING SHALL BE TYPE CROSS-LINKED POLYETHYLENE TUBING CSA B137.5, ASTM F876, ASTM F877, NSF - 14 WITH ALL PURPOSE COVER.
  - EMERGENCY OVERFLOW STORM PIPING AND ROOF DRAIN DOES NOT REQUIRE INSULATION.

- **PLUMBING CONTRACTOR RESPONSIBILITIES - BELOW GRADE**

  - BELOW GRADE: WATER PIPING SHALL BE TYPE CROSS-LINKED POLYETHYLENE TUBING ASTM F876, ASTM F877, NSF - 14 WITHIN BUILDING, SCHEDULE 40 PVC, DWV TYPE PIPE AND SOLVENT WELDED PIPE FITTINGS, SCHEDULE 30 PVC PIPE MAY BE USED FOR VENT PIPING WHERE RECOMMENDED.

- **PLUMBING CONTRACTOR RESPONSIBILITIES - IN GENERAL**

  - OPENINGS AND REQUIRED LINTELS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
  - EQUIPMENT SHALL BE APPROVED BY THE GENERAL CONTRACTOR, BEFORE INSTALLATION.
  - ALL MATERIALS USED SHALL BE NEW AND UNDAMAGED.
  - PROVIDE WATER STOP VALVES, CHROME PLATED 17 GAUGE BRASS TRAPS WITH CHROME PLATED TAGS.
  - PROVIDE MIXING VALVE TO MEET ADA REQUIREMENTS.
  - PROVIDE WATER PUMPING SYSTEM HAVING 10 GPM CAPACITY FOR ABOVE GRADE AND BELOW GRADE WATER PIPING.
  - PROVIDE TANKS FOR THE INDIRECT SYSTEM.

- **PLUMBING CONTRACTOR RESPONSIBILITIES - LIGHTING**

  - PROVIDE LIGHTING FIXTURES AND ELECTRICAL OUTLETS AS REQUIRED.
  - PROVIDE ELECTRICAL PANELS AND CIRCUIT BREAKERS AS REQUIRED.

- **PLUMBING CONTRACTOR RESPONSIBILITIES - MECHANICAL**

  - PROVIDE MECHANICAL SYSTEMS AS REQUIRED.
  - PROVIDE MECHANICAL EQUIPMENT AS REQUIRED.

- **PLUMBING CONTRACTOR RESPONSIBILITIES - STRUCTURAL**

  - PROVIDE STRUCTURAL SYSTEMS AS REQUIRED.
  - PROVIDE STRUCTURAL EQUIPMENT AS REQUIRED.

- **PLUMBING CONTRACTOR RESPONSIBILITIES - OTHER**

  - PROVIDE OTHER SYSTEMS AS REQUIRED.
  - PROVIDE OTHER EQUIPMENT AS REQUIRED.