PIPING ELEMENTS / VALVING

PLUMBING SYMBOL LEGEND

PIPING

PLUMBING ABBREVIATIONS

PLUMBING GENERAL NOTES

PLUMBING DEMOLITION NOTES

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.

1. DO NOT SCALE FROM THESE DRAWINGS. EXACT DIMENSIONS AND ALL LOCATION OF ALL CONSTRUCTION DETAILS ARE SHOWN ON THE DRAWINGS. THESE DRAWINGS ARE FOR CONSTRUCTION PLANNING PURPOSES ONLY. ALL DIMENSIONS SHOWN WITHIN THE DRAWINGS ARE TO BE CONSIDERED APPROXIMATE UNLESS OTHERWISE NOTED.
**PLUMBING SPECIFICATIONS**

**SECTION 10201 - GENERAL**

All work shall be done in accordance with the provisions of the American National Standards Institute (ANSI) A117.1M-2006 Code for Protection Against Sudden Exposures to Electric Shock. The work shall be performed in accordance with the National Electrical Code (NEC) and all local codes.

**SECTION 10202 - PLUMBING SPECIFICATIONS**

All work shall be performed in accordance with the provisions of the applicable plumbing codes and standards.

**SECTION 10203 - DRAWINGS**

All work shall be done in accordance with the drawings and specifications furnished by the owner. Any changes or additions to the drawings shall be made in writing by the owner.

**SECTION 10204 - MATERIALS**

All materials shall be of the quality and durability specified in the drawings and specifications.

**SECTION 10205 - EQUIPMENT**

All equipment shall be of the quality and durability specified in the drawings and specifications.

**SECTION 10206 - INSTALLATION**

All work shall be done in accordance with the provisions of the National Plumbing Code (NPC) and all local codes.

**SECTION 10207 - TESTING**

All work shall be tested in accordance with the provisions of the National Plumbing Code (NPC) and all local codes.

**SECTION 10208 - COMMISSIONING**

All work shall be commissioned in accordance with the provisions of the National Plumbing Code (NPC) and all local codes.

**SECTION 10209 - INSPECTIONS**

All work shall be inspected in accordance with the provisions of the National Plumbing Code (NPC) and all local codes.

**SECTION 10210 - COMPLIANCE**

All work shall be in compliance with the provisions of the National Plumbing Code (NPC) and all local codes.

**SECTION 10211 - WARRANTY**

All work shall be warranted in accordance with the provisions of the National Plumbing Code (NPC) and all local codes.

**SECTION 10212 - COMPLIANCE WITH THE AMERICAN WITH DISABILITIES ACT (ADA)**

All work shall comply with the Americans with Disabilities Act (ADA) and all local codes.

**SECTION 10213 - COMPLIANCE WITH THE ENERGY POLICIES ACT OF 1992**

All work shall comply with the Energy Policy Act of 1992 and all local codes.

**SECTION 10214 - COMPLIANCE WITH THE ENVIRONMENTAL PROTECTION ACT OF 1970**

All work shall comply with the Environmental Protection Act of 1970 and all local codes.

**SECTION 10215 - COMPLIANCE WITH THE WATER QUALITY ACT OF 1972**

All work shall comply with the Water Quality Act of 1972 and all local codes.

**SECTION 10216 - COMPLIANCE WITH THE CLEAN WATER ACT OF 1977**

All work shall comply with the Clean Water Act of 1977 and all local codes.
GENERAL NOTES

1. CONTRACTOR SHALL DISCONNECT AND DEMOLISH ALL EXISTING SERVICES TO FIXTURES IN PREPARATION FOR PROPOSED SITE PLUMBING. ALL SERVICES WITHIN SCOPE OF WORK SHALL BE REMOVED IN PREPARATION FOR PROPOSED SITE SERVICES.

2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS WITH PROPOSED PLANS PRIOR TO START OF WORK.

KEYED NOTES

CONTRACTOR SHALL DEMOLISH AND PROPERLY DISPOSE OF LAVATORY SINK IN PREPARATION FOR RESTROOM RENOVATION.

CONTRACTOR SHALL DEMOLISH AND PROPERLY DISPOSE OF WATER CLOSET IN PREPARATION FOR RESTROOM RENOVATION.

CONTRACTOR SHALL DEMOLISH AND PROPERLY DISPOSE OF SINK IN PREPARATION FOR SITE RENOVATION.

CONTRACTOR SHALL DEMOLISH AND PROPERLY DISPOSE OF ELECTRIC WATER COOLER IN PREPARATION FOR SITE RENOVATION.

CONTRACTOR SHALL DEMOLISH AND PROPERLY DISPOSE OF KITCHEN SINK IN PREPARATION FOR SITE RENOVATION.

CONTRACTOR SHALL DEMOLISH AND PROPERLY DISPOSE OF WATER HEATER IN PREPARATION FOR SITE RENOVATION.
KEYED NOTES

1-1/2" COLD WATER SITE CONNECTION INTO BUILDING WITH ISOLATION VALVE IN RISER. CONTRACTOR SHALL PROVIDE A NEWLY PROPOSED 1-1/2" METER AND SERVICE BACK TO MUNICIPAL WATER MAIN IF THE EXISTING MAIN IS FOUND TO BE SMALLER. CONTRACTOR SHALL FIELD VERIFY EXACTLY METER SIZE, LOCATION, AND CONNECTION POINTS PRIOR TO THE START OF WORK.

1-1/2" COLD WATER RISER IN MECHANICAL ROOM WITH SHUT OFF VALVE IN RISER.

1/2" COLD WATER DOWN IN WALL.

1/2" COLD WATER, 1/2" HOT WATER DOWN IN WALL.

3/4" COLD WATER DOWN IN WALL.

3/4" COLD WATER DOWN IN WALL WITH 1/2" COLD WATER BRANCH TO WOMAN'S WATER CLOSET. CONTINUE 1/2" BRANCH TO MEN'S WATER CLOSET.

1" COLD WATER DOWN IN WALL WITH 3/4" COLD WATER BRANCH TO URINAL. CONTINUE 1/2" COLD WATER BRANCH DOWN TO WOMAN'S WATER CLOSET.

3/4" COLD WATER TO 1/2" COLD WATER BRANCH LAVATORY CONNECTIONS, 3/4" HOT WATER DOWN IN WALL TO RECIRCULATE TO WITHIN 2'0" OF LAVATORY HOT WATER CONNECTION. 1/2" HOT WATER STUBS TO LAVATORY. 3/4" HOT WATER RETURN TO CONTINUE BACK UP IN WALL TO ABOVE CEILING AND RECIRCULATE ELECTRIC WATER HEATER. SEE SHEET P4.00 FOR RECIRCULATION DETAIL.

3/4" HOT WATER RETURN TO RECIRCULATE BACK TO ELECTRIC WATER HEATER. SEE SHEET P4.00 FOR RECIRCULATION DETAIL.

1/2" COLD WATER, 3/4" HOT WATER DROP IN WALL. 1/2" HOT WATER BRANCHES TO KITCHEN SINK AND DISH WASHER HOT WATER CONNECTION.

1" COLD WATER CAPPED IN CEILING.

6

7

8

9

10

11

12
### Electric Water Heater Schedule

<table>
<thead>
<tr>
<th>Model</th>
<th>Fuel</th>
<th>Input (Gallons)</th>
<th>Output (Gallons)</th>
<th>Model Number</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>EWH-1</td>
<td>V / PH</td>
<td>54</td>
<td>-</td>
<td>114</td>
<td>A.O. Smith</td>
</tr>
<tr>
<td>EWC-1</td>
<td>V / PH</td>
<td>49</td>
<td>-</td>
<td>114</td>
<td>BELL &amp; GOSSETT</td>
</tr>
<tr>
<td>DW-1</td>
<td>1/2 3/4</td>
<td>4.5</td>
<td>-</td>
<td>14</td>
<td>DEL-30</td>
</tr>
<tr>
<td>MS-1</td>
<td>3 2 1/2</td>
<td>2</td>
<td>-</td>
<td>14</td>
<td>EWC-1</td>
</tr>
</tbody>
</table>

### Plumbing Fixture Schedule

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Quantity</th>
<th>Notes</th>
</tr>
</thead>
</table>
| WC-1 | Water Closet - Flush Tank | 3 | Add 3/4" trap primer from above deck (i.e. no exposed wall packs below lavatory). Location with in the faucet body and accessible from above deck (i.e. no exposed wall packs below lavatory).
| WC-2 | Water Closet - Flush Tank | 3 | Add 3/4" trap primer from above deck (i.e. no exposed wall packs below lavatory). Location with in the faucet body and accessible from above deck (i.e. no exposed wall packs below lavatory).
| L-2 | Lavatory - Undermount | 1 | Add stainless steel backsplash and polished chrome offset grid drain assembly.
| DP-1 | Dishwasher | 1 | Add stainless steel backsplash and polished chrome offset grid drain assembly.
| MSB-3624 | Mop Sink | 1 | Add stainless steel backsplash and polished chrome offset grid drain assembly.
| NL-2 | Faucet - American Standard | 1 | Add stainless steel backsplash and polished chrome offset grid drain assembly.
| TP-1 | Trap Primer - Pressure - | 1/2" | Add stainless steel backsplash and polished chrome offset grid drain assembly.

### Hot Water Circ Pump Schedule

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Quantity</th>
<th>Notes</th>
</tr>
</thead>
</table>
| HWP30 | Hot Water Circ Pump | 1 | Add stainless steel backsplash and polished chrome offset grid drain assembly.

### Electric Water Heater Model and Accessories

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Model Number</th>
<th>Notes</th>
</tr>
</thead>
</table>
| EWH-1 | Electric Water Heater | 114 | Add stainless steel backsplash and polished chrome offset grid drain assembly.

NOTE: No substitutions allowed without prior owner and architect approval.