This drawing is intended only as a guide and not as a replacement for professionally engineered project drawings. This concept system drawing does not imply compliance with local building codes. Actual installation may vary depending on installation location & parameters and it must be done in accordance to all local building codes. Verify with local building officials before commencement of system installation.

### Recommended Pipe Size/Heater Count

<table>
<thead>
<tr>
<th>Units</th>
<th>Pipe Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Unit</td>
<td>¾”</td>
</tr>
<tr>
<td>2 Units</td>
<td>1”</td>
</tr>
<tr>
<td>3 Units</td>
<td>1-¼”</td>
</tr>
<tr>
<td>4 to 5 Units</td>
<td>1-½”</td>
</tr>
<tr>
<td>6 to 8 Units</td>
<td>2”</td>
</tr>
<tr>
<td>9 to 14 Units</td>
<td>2-½”</td>
</tr>
<tr>
<td>15 to 16 Units</td>
<td>3”</td>
</tr>
</tbody>
</table>

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**NPE-A Series Tankless Water Heater**

Four Plus NPE-A Tankless
External Recirculation Mode
With External Circulator(s)

**Diagram Elements:**
- Domestic Hot Water
- Domestic Recirculation(s) Return
- Select Building Recirculation Pump(s) To Meet External Piping Requirements
- Condensate
- Gas
- Domestic Cold Water
- Communication Cable
- Storage Vessel
- Check Valve
- Pressure Relief Valve
- Mixing Valve
- Full-port Ball Valve
- DHW Circulator w/Aquastat & Check Valve
- Expansion Tank
- Aquastat

**Footer:**

**Navien**
20 Goodyear
Irvine, CA 92618
800-519-8794
www.navienamerica.com

**K.D.**

| Drawn By: B. Fenske | NPE-A-4Plus-ECS-BF02 | August 1, 2013 |

**Notes:**

- Verify with local building officials before commencement of system installation.