To be specified:

**Sensor Toilet Flush Valve**
- Complete Set, Surface Mount, Satin Finish (14” x 12” cover plate)
- Back Spud Floor – TET2ANS-33 (1-1/2” V.B.)
- Back Spud Wall – TET2ANS-31 (1-1/2” V.B.)
- Top Spud – TET2ANS-32 (1-1/2” V.B.)

*Supplied with:*
- Vacuum Breaker & Angle Stop Set - VB13RB-31
  - (Back Spud Wall)
  - 1” Angle Stop - 10077t5
  - 1-1/2” Vacuum Breaker - 10075t4
  - Outlet Tube - TH559EDV176
  - Sweat Solder Kit - SJ3
- Vacuum Breaker & Angle Stop Set - VB13RB-32
  - (Top Spud)
  - 1” Angle Stop - 10077t5
  - 1 1/2” Vacuum Breaker - 10075t3
  - Outlet Tube - TH559EDV177
  - Sweat Solder Kit - SJ3
- Vacuum Breaker & Angle Stop Set - VB13RB-33
  - (Back Spud floor)
  - 1” Angle Stop - 10077t5
  - 1 1/2” Vacuum Breaker - 10075t4
  - Outlet Tube - TH559EDV17
  - Sweat Solder Kit - SJ3

*Optional Accessories:*
- Transformer – THU701TR

**AUTOMATIC FLUSHING SYSTEM**

TOTO, the world leader in advanced plumbing systems, provides sensor operated flush valves for facilities demanding the finest sanitation equipment for busy restrooms. “Hands-free” technology effectively reduces unsanitary conditions from unflushed fixtures.

**SUPERIOR PISTON VALVE**

TOTO’s piston valve technology is a marked improvement over traditional rubber diaphragm type valves. Longer piston travel and self-cleaning stainless steel debris screen reduce common problems such as continuous running and flooding. The piston seat itself will not warp or mis-seal thus, significantly reducing repair and maintenance costs. A micro-porous cup seal keeps the piston self-lubricated upon each activation with the incoming water supply.

**OPERATING PROCEDURE**

A sanitary environment without using the hands.

1. **Infrared Sensor**
   - The infrared sensor detects a user sitting on the toilet seat.

2. **Flushing**
   - After using over 5 seconds, when a user leaves the fixture, the sensor automatically sends a signal to the operating unit to activate the flush valve.

3. **Manual Flushing Button**
   - For toilet bowl maintenance, the toilet is equipped with a manual flushing button.

Meets the American disability Act Guidelines and ANSI A117.1 requirements for people with disabilities.
**AC Powered (120V AC to 10V DC)**

**Sensor Toilet Flush Valve, Concealed (14' x 12") - 1.6 GPF**

**SPECIFICATIONS**

| Product | TET2ANS-31-Complete Set (1 1/2" V.B.), Back Spud Wall, Satin Finish  
TET2ANS-32-Complete Set (1 1/2" V.B.), Top Spud , Satin Finish  
TET2ANS-33-Complete Set (1 1/2" V.B.), Back Spud Floor, Satin Finish |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Detection range</td>
<td>Self-adjusting to environment</td>
</tr>
<tr>
<td>Detection time</td>
<td>Factory setting at six (6) seconds minimum</td>
</tr>
<tr>
<td>Water supply</td>
<td>1&quot; NPT</td>
</tr>
<tr>
<td>Discharge quantity</td>
<td>Factory setting at 1.6 gallons per flush at 28psi</td>
</tr>
<tr>
<td>Toilet type</td>
<td>Flushometer type bowl</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>32°-104°F (0°-40°C)</td>
</tr>
<tr>
<td>Supply water pressure</td>
<td>15 psi - 100 psi*</td>
</tr>
</tbody>
</table>
| Transformer | THU701TR Class 2 Transformer - Overload protection provided.  
Primary voltage: 120V, AC, 60Hz -> 10VDC, 1950mA.  
Maximum 10 units per transformer |
| Warranty | Limited three (3) year warranty on all component parts. Details available upon request. |
| Listings | A.S.S.E. 1037 |

*These dimensions and specifications are subject to change without notice.  
*Water pressures over 80 psi are not recommended for most plumbing fixtures.

**SUGGESTED ENGINEERING SPECIFICATION:**

TOTO Model No. ________________


Note: make sure push button and trip lever are properly aligned. Do not place grab bars in front of sensor for ADA stalls.

**DIAGRAM:**

**RECOMMENDED INSTALLATION:**

Dimensions: Inch (TOILET VALVE ONLY)

<table>
<thead>
<tr>
<th>Top Spud</th>
<th>Back Spud Floor Mount</th>
<th>Back Spud WallMount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facing of the wall</td>
<td>Facing of the wall</td>
<td>Facing of the wall</td>
</tr>
<tr>
<td>x&quot;</td>
<td>x&quot;</td>
<td>x&quot;</td>
</tr>
<tr>
<td>2(\frac{3}{4})&quot;</td>
<td>2(\frac{3}{4})&quot;</td>
<td>2(\frac{3}{4})&quot;</td>
</tr>
</tbody>
</table>

Note: make sure push button and trip lever are properly aligned. Do not place grab bars in front of sensor for ADA stalls.