TOWN OF SIMSBURY

DEPARTMENT OF PUBLIC WORKS
933 HOPMEADOW STREET
SIMSBURY, CT 06070

INVITATION TO BID

FOR

SALT SHED FLOATING FOUNDATION
DESIGN AND CONSTRUCTION

ADDENDUM 2

- Bid due date has been changed to July 8, 2015 at 10:00 a.m.

- Additional information on Base Plate Layout and Reactions for Town of Simsbury Clearspan Building is provided on the following pages.

All bids are due July 8, 2015 10:00 a.m. in the Finance Department, of Town Hall, 933 Hopmeadow Street, Simsbury, CT 06070.

Issued June 23, 2015
End
### UNFACTORED BASE REACTIONS TO CONSIDER AT TYPICAL BASES

<table>
<thead>
<tr>
<th>Load Case</th>
<th>Side A</th>
<th>Side B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rx (kip)</td>
<td>Ry (kip)</td>
</tr>
<tr>
<td>Dead Load, Self Weight</td>
<td>0.31</td>
<td>0.85</td>
</tr>
<tr>
<td>Dead Load, Collateral</td>
<td>0.08</td>
<td>0.16</td>
</tr>
<tr>
<td>Snow Load, Balanced</td>
<td>3.53</td>
<td>5.79</td>
</tr>
<tr>
<td>Snow Load, Unbalanced</td>
<td>2.26</td>
<td>2.25</td>
</tr>
<tr>
<td>Wind Load</td>
<td>-5.41</td>
<td>-8.59</td>
</tr>
<tr>
<td>Wind Load, Wx2</td>
<td>-4.50</td>
<td>-0.03</td>
</tr>
<tr>
<td>Wind Load, Wx</td>
<td>-0.70</td>
<td>-10.18</td>
</tr>
<tr>
<td>Wind Load, Wx2</td>
<td>0.25</td>
<td>-1.66</td>
</tr>
<tr>
<td></td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

### ADDITIONAL UNFACTORED BASE REACTIONS TO CONSIDER AT BASES WITH CABLE ATTACHED

<table>
<thead>
<tr>
<th>Load Case</th>
<th>Side A</th>
<th>Side B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rx (kip)</td>
<td>Ry (kip)</td>
</tr>
<tr>
<td>Wind Load</td>
<td>-5.20</td>
<td>-8.79</td>
</tr>
<tr>
<td>Wind Load, Wx2</td>
<td>-1.85</td>
<td>3.80</td>
</tr>
<tr>
<td>Dead Load, Cable (Wx)</td>
<td>2.27</td>
<td>2.27</td>
</tr>
</tbody>
</table>

### CONTROLLING ASD COMBINATIONS TO CONSIDER AT TYPICAL BASES

- Max Gravity (kip) = 6.89 DL + EL + Su
- Max Uplift (kip) = -9.67 0.6DL + Wz
- Max Inward Lateral (kip) = -5.23 0.6DL + Wx
- Max Outward Lateral (kip) = 3.92 DL + EL + Su

### ADDITIONAL CONTROLLING ASD COMBINATIONS TO CONSIDER AT BASES WITH CABLE ATTACHED

- Max Gravity (kip) = 6.93 DL + EL + Su
- Max Uplift (kip) = -9.04 0.6DL + Wz
- Max Inward Lateral (kip) = -5.21 0.6DL + Wx
- Max Outward Lateral (kip) = 3.93 DL + EL + Su

### Notes:
- a. The above Reaction Data should be combined as required by the Load Combinations from IBC or other applicable code.
- b. The Reaction Data for a building that represents a low hazard to human life in the event of a failure. Examples of such are agricultural buildings, unoccupied private buildings, unoccupied storage buildings, or temporary buildings. A building is considered "unoccupied" when employees are typically in the building only to move materials in and out (no permanent workstations) and it is not open to the public.

### FRONT ENDWALL REACTIONS @ 'B' BASES:

- Unfactored Endwall Column Reactions ("B" Bases):
  - Maximum Gravity: 910 lbs
  - Maximum Net Uplift: 180 lbs
  - Maximum Horizontal (MWF): 1520 lbs
  - Maximum Horizontal (C&C): 2300 lbs

### FRONT ENDWALL REACTIONS @ 'C' BASES:

- Unfactored Endwall Column Reactions ("C" Bases):
  - Maximum Gravity: 960 lbs
  - Maximum Net Uplift: 230 lbs
  - Maximum Horizontal (MWF): 2300 lbs
  - Maximum Horizontal (C&C): 2840 lbs

### BACK ENDWALL REACTIONS:

- Unfactored Endwall Column Reactions:
  - Maximum Gravity: 670 lbs
  - Maximum Net Uplift: 130 lbs
  - Maximum Horizontal (MWF): 2930 lbs
  - Maximum Horizontal (C&C): 4060 lbs