R-Control SIP walls are used in combination with various types of roof systems. These include R-Control SIPs, rafter and ridge beam systems, and roof trusses.

Roof systems, such as roof trusses, often result in the need to transfer a point load from the roof system uniformly onto the wall. R-Control has evaluated the point load capacity of R-Control SIPs as shown in the attached Wall-Point Loading Chart. The total load should never exceed the lesser of the point load capacity or the R-Control SIP axial and transverse capacity from the R-Control wall load design charts. If the design load exceeds these point loads, the R-Control SIP can be fabricated to accept 2X posting or other posting as determined by the engineer of record.

### Wall - Point Loading

<table>
<thead>
<tr>
<th>Load Design Chart #2C</th>
</tr>
</thead>
<tbody>
<tr>
<td>(See Detail SIP-101)</td>
</tr>
<tr>
<td>R-Control Structural Insulated Panels</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Single Top Plate</td>
</tr>
<tr>
<td>w/Spacer Board(^1)</td>
</tr>
<tr>
<td>w/Optional Cap Plate(^2)</td>
</tr>
</tbody>
</table>

[1] MINIMUM 3/8” CDX PLYWOOD OR EQUIVALENT  
[2] MINIMUM SPF#2 2X OR EQUIVALENT  
[3] ULTIMATE LOAD DIVIDED BY SAFETY FACTOR OF THREE OR 1/8” DEFLECTION, WHICHER IS LOWER.  
[5] FOR POINT LOADS EXCEEDING THESE CAPACITIES, SPECIFY POSTING AS DESIGNED BY THE ENGINEER.  
[6] ALL VALUES ARE FOR NORMAL DURATION LOADS. NO INCREASES FOR OTHER LOAD DURATIONS ARE ALLOWED.