## GLOBALBLOCK 800
High Wind Load Reinforcement Requirements  
2 Story Structure

### WIND SPEED - EXPOSURE CATEGORY C

<table>
<thead>
<tr>
<th>Wall Height</th>
<th>Vasd = 77 mph</th>
<th>Vasd = 93 mph</th>
<th>Vasd = 108 mph</th>
<th>Vasd = 124 mph</th>
<th>Vasd = 139 mph</th>
<th>Vasd = 155 mph</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Vertical</td>
<td>Horizontal</td>
<td>Vertical</td>
<td>Horizontal</td>
<td>Vertical</td>
<td>Horizontal</td>
</tr>
<tr>
<td>8'</td>
<td>#4 @ 48&quot;</td>
<td>#3 @ 16&quot;</td>
<td>#4 @ 48&quot;</td>
<td>#3 @ 16&quot;</td>
<td>#4 @ 36&quot;</td>
<td>#3 @ 16&quot;</td>
</tr>
<tr>
<td>10'</td>
<td>#4 @ 48&quot;</td>
<td>#3 @ 16&quot;</td>
<td>#4 @ 48&quot;</td>
<td>#3 @ 16&quot;</td>
<td>#4 @ 36&quot;</td>
<td>#3 @ 16&quot;</td>
</tr>
<tr>
<td>12'</td>
<td>#4 @ 48&quot;</td>
<td>#3 @ 16&quot;</td>
<td>#4 @ 36&quot;</td>
<td>#3 @ 16&quot;</td>
<td>#4 @ 24&quot;</td>
<td>#3 @ 16&quot;</td>
</tr>
</tbody>
</table>

### ASSUMPTIONS:
- Dead load = 25 psf.
- Live floor load = 40 psf.
- Live roof load = 20 psf.
- No snow load.
- No seismic load.
- Maximum clear span for floor trusses is 24'-0".
- Maximum clear span for roof trusses is 40'-0".
- Maximum mean roof height is 30'-0".
- Maximum (2) stories.
- Concrete strength: f'c = 3,000 psi
- Reinforcement steel strength: fy = 60,000 psi