Erratum (November 25, 2019)

FEMA P-1100 Report, *Vulnerability-Based Seismic Assessment and Retrofit of One- and Two-Family Dwellings*, October 2019 edition

After the FEMA P-1100 Report was printed, errors were discovered in tables in Figures 5.4-9, 5.4-11, and 5.4-15. The corrected tables are presented below.

| EARTHQUAKE RETROFIT SCHEDULE (SDS = 1.0) Two Sections of Wall at Front of Garage - Only |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| **WEIGHT CLASSIFICATION** | **Floor Area in Square Feet** | **Wall Length Tie-down** | **New Fdn Req’d ?** | **Wall Length Tie-down** | **New Fdn Req’d ?** | **Foundation Sill Anchorages** | **Min. No. of Foundation Connectors or Anchors at Each Section of Wall** | **Min. No. of Connectors at Each Section of Wall** |
| **Wall Height** | **Type** | **Type** | **Type** | **1/2” ø Bolt** | **5/8” ø Bolt** | **Type** | **Type** |
| **Class 1** | **A** | **B** | **C** | **D** | **E** |
| **Class 2** | | | | | | | | |
| **Class 3** | | | | | | | | |
| **Class 4** | | | | | | | | |
| **Light Construction** | 800 | 3’-6” | TD1 | No | 2’-8” | TD2 | Yes | 1 | 2 | 2 | 2 | 1 | 3 | 3 | 3 |
| 1000 | 4’-0” | TD1 | No | 2’-8” | TD2 | Yes | 1 | 2 | 2 | 2 | 1 | 3 | 3 | 4 |
| 1200 | 4’-6” | TD1 | No | 3’-0” | TD2 | Yes | 2 | 3 | 3 | 3 | 2 | 4 | 4 | 5 |
| 1500 | 6’-0” | TD1 | No | 3’-0” | TD2 | Yes | 2 | 3 | 4 | 3 | 2 | 5 | 4 | 6 |
| 2000 | 8’-0” | TD1 | No | 3’-0” | TD2 | Yes | 2 | 4 | 4 | 3 | 2 | 6 | 5 | 7 |
| **Medium Construction** | 800 | 4’-0” | TD2 | Yes | 2’-8” | TD4 | Yes | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 4 |
| 1000 | 5’-0” | TD1 | No | 2’-8” | TD4 | Yes | 2 | 3 | 3 | 3 | 2 | 4 | 4 | 5 |
| 1200 | 6’-0” | TD1 | No | 3’-0” | TD4 | Yes | 2 | 3 | 4 | 3 | 2 | 5 | 5 | 6 |
| 1500 | 7’-0” | TD1 | No | 3’-0” | TD4 | Yes | 2 | 4 | 5 | 4 | 3 | 6 | 6 | 7 |
| 2000 | 10’-0” | TD1 | No | 4’-0” | TD4 | Yes | 3 | 5 | 6 | 5 | 4 | 7 | 7 | 9 |
| **Heavy Construction** | 800 | 5’-6” | TD1 | No | 2’-8” | TD4 | Yes | 2 | 3 | 3 | 3 | 2 | 4 | 4 | 5 |
| 1000 | 6’-6” | TD1 | No | 3’-0” | TD4 | Yes | 2 | 3 | 4 | 3 | 2 | 5 | 5 | 6 |
| 1200 | 8’-0” | TD1 | No | 3’-0” | TD4 | Yes | 3 | 4 | 5 | 4 | 3 | 6 | 6 | 7 |
| 1500 | 10’-0” | No | No | 4’-0” | TD4 | Yes | 3 | 5 | 6 | 5 | 3 | 7 | 7 | 9 |
| 2000 | 13’-0” | No | No | 5’-6” | TD4 | Yes | 4 | 6 | 8 | 6 | 4 | 10 | 9 | 12 |

Table in Figure 5.4-11 – Earthquake Retrofit Schedule at SDS = 1.0 at front of garage in dwelling with a ground story residential unit with two sections of wood structural panel shear wall.
### EARTHQUAKE RETROFIT SCHEDULE \((S_{DS} = 1.0)\)

<table>
<thead>
<tr>
<th>Class</th>
<th>Area in Sq. Ft</th>
<th>Steel Column</th>
<th>Column Connection Type (per detail 2 on steel C7) at Upper Floor</th>
<th>Minimum Required at Allowable Shear Capacity (Pounds)</th>
<th>Edge Nail Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Construction</td>
<td>800</td>
<td>W6x21</td>
<td>C1</td>
<td>3250</td>
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<tr>
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<td>1000</td>
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<td>C1</td>
<td>4000</td>
<td>6</td>
</tr>
<tr>
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<td>C1</td>
<td>4870</td>
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</tr>
<tr>
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<td>1500</td>
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<td>C1</td>
<td>6090</td>
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<tr>
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<td>2000</td>
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<td>C2</td>
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<td>C1</td>
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<tr>
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<td>C2</td>
<td>7880</td>
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<td>5400</td>
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Table in Figure 5.4-8 – Alternate Earthquake Retrofit Schedule at \(S_{DS} = 1.0\) with steel column or proprietary shear wall.

### EARTHQUAKE RETROFIT SCHEDULE \((S_{DS} = 1.2)\)

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<th>Column Connection Type (per detail 2 on steel C7) at Upper Floor</th>
<th>Minimum Required at Allowable Shear Capacity (lbs)</th>
<th>Edge Nail Spacing</th>
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Table in Figure 5.4-15 – Alternate Earthquake Retrofit Schedule at \(S_{DS} = 1.2\) with steel column or proprietary shear wall.