<table>
<thead>
<tr>
<th>Appendix E</th>
<th>PARTIAL PERIMETER DETAILS</th>
</tr>
</thead>
</table>

Seismic Retrofit Training
Seismic Retrofit Training
Appendix E-5

Seismic Retrofit Training
**Appendix E-7**

### Minimum Foundation Dimensions

<table>
<thead>
<tr>
<th># of Stories</th>
<th>W</th>
<th>F</th>
<th>D&lt;sup&gt;1&lt;/sup&gt;</th>
<th>T</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>15&quot;</td>
<td>7&quot;</td>
<td>12&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>2</td>
<td>15&quot;</td>
<td>7&quot;</td>
<td>15&quot;</td>
<td>8&quot;</td>
</tr>
</tbody>
</table>

<sup>1</sup> Where frost conditions occur, the min. depth shall extend below frost line

### Minimum Vertical Reinforcing

<table>
<thead>
<tr>
<th># of Stories</th>
<th>Minimum Vertical Reinforcing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4-#4 in ea. 8'-0&quot; section, 30&quot; O.C. MAX.</td>
</tr>
<tr>
<td>2</td>
<td>7-#4 in ea. 12'-0&quot; section, 24&quot; O.C. MAX.</td>
</tr>
</tbody>
</table>

---

**Section Along Longitudinal Wall @ (N) Foundation / Cripple Wall**

- (E) Wall Sheathing
- (E) Exterior Wall Finish Matl., Cont. Weather Protective Wall Finish to (N) Found. Sill Plate
- 15/32" 5-Ply Min. Exterior Grade Plywood, W/ 10d Nails 4" @ Edges 4" Along Top Plate & 12" Field
- (E) Girder or (N) 4 x 4 Min. Top Plate
- (N) 2 x 4 Pressure Treated Fir Found. Sill Plate W/ 5/8" Dia. Bolts & 2" x 2" x 3/16" Plate Washer

---

Seismic Retrofit Training
Appendix E

MINIMUM FOUNDATION DIMENSIONS

<table>
<thead>
<tr>
<th># OF STORIES</th>
<th>W</th>
<th>F</th>
<th>D</th>
<th>T</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>15&quot;</td>
<td>7&quot;</td>
<td>12&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>2</td>
<td>15&quot;</td>
<td>7&quot;</td>
<td>15&quot;</td>
<td>8&quot;</td>
</tr>
</tbody>
</table>

WHERE FROST CONDITIONS OCCUR, THE MIN. DEPTH SHALL EXTEND BELOW FROST LINE.

MINIMUM FOUNDATION REINFORCING

<table>
<thead>
<tr>
<th>H</th>
<th>VERTICAL</th>
<th>HORIZONTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>LAP 24&quot; @ CORNERS</td>
</tr>
<tr>
<td>≤ 24&quot;</td>
<td>#4 @ 24&quot; O.C.</td>
<td>#4 CONT. @ TOP OF STEM WALL</td>
</tr>
<tr>
<td>&gt; 24&quot; ≤ 54&quot;</td>
<td>#4 @ 24&quot; O.C.</td>
<td>#4 @ 16&quot; O.C.</td>
</tr>
</tbody>
</table>

(E) WALL SHEATHING

(E) EXTERIOR FINISH MATL, CONT. WEATHER PROTECTIVE WALL FINISH TO (N) FOUND. SILL PLATE

15/32" 5-PLY MIN. EXTERIOR GRADE PLYWD, W/ 10D NAILS 4" @ EDGES 4" ALONG TOP PLATE & 12" FIELD

(E) GIRDER OR (N) 4 X 4 MIN. TOP PLATE

(N) 2 X 6 OR 2 X 8 PRESSURE TREATED FIR FOUND. SILL PLATE ON 1" DRYPACK W/ 5/8" BOLTS & 2" X 2" X 3/16" PLATE WASHER

SECTION - MASONERY STEM WALL ALTERNATE

CONC. FOOTG W/ #4 CONT. LAP 24" @ CORNERS

#4 BAR VERTICAL W/ 4" HOOK, SEE TABLE FOR SPACING

4½ MAX. WT. ENGINEERING

D F W H 6 MIN.

Seismic Retrofit Training
Appendix E-11

Seismic Retrofit Training

SECTION @ (N) FOUNDATION
WITHOUT CRIPPLE WALL

EXTEND EXTERIOR WEATHER PROTECTIVE WALL TO FOUNDATION SILL PLATE
(E) EXTERIOR WALL
(E) FLOOR JOIST
FULL BEARING ON (N) FOUNDATION SILL PLATE
(E) OR (N) 2 X BLOCK OR RIM JOIST

(N) 15/32" 5-PLY EXTERIOR GRADE PLYWD. W/ 10d NAILS Ø 4", ALL EDGES
(N) 2 X 6 OR 2 X 8 PRESSURE TREATED FIR FOUNDATION SILL PLATE W/ 5/8" DIA. BOLTS & 2 X 2 X 5/16" PLATE WASHER
(N) CONC. FOOT & STEM WALL, SEE SECTION B FOR SIZE & REINFORCING

NOT TO EXCEED 4'-6"
WITHOUT ENGINEERING

SECTION @ (N) FOUNDATION
WITHOUT CRIPPLE WALL

EXTEND EXTERIOR WEATHER PROTECTIVE WALL TO FOUNDATION SILL PLATE
(E) EXTERIOR WALL
(E) FLOOR JOIST
(E) END JOIST CONT., SEE DETAIL G FOR SPLICES BETWEEN (N) FOUNDATIONS

(E) FLOOR GIRDER W/ (N) HANGER, SILL PLATE MUST EQUAL STEM WALL THICKNESS @ GIRDER
(N) 2 X PRESSURE TREATED FIR FOUNDATION SILL PLATE W/ 5/8" BOLTS & 2 X 2 X 5/16" PLATE WASHERS
(N) CONC. FOOT & STEM WALL, SEE SECTION B FOR SIZE & REINFORCING

NOT TO EXCEED 4'-6"
WITHOUT ENGINEERING
SECTION ALONG TRANSVERSE WALL @ GIRDER INTERSECTING (N) CRIPPLE WALL

TYP. (N) FOUNDATION W/ SILL BOLTING PER SECTION B OR B ALTERNATE

TRANSVERSE WALL TOP PLATE SPLICE @ GIRDER
Appendix E - Seismic Retrofit Training