Foundation Details  
(Conventional Wood Frame Construction Only)

Concrete Slab Floor & Foundation

Exterior Footings

2"x4" STUDS @ 16" O.C.
5/8" x 10" FOUNDATION BOLT
W/ 2"x2" x 5/16 WASHER
6' 0" O.C. MAX. & WITHIN 12" OF ENDS
2"x4" BOTTOM PLATE

#4 BAR TOP & BOTTOM

VAPOR BARRIER
CLEAN COMPACTED SAND OR GRAVEL

#3 BAR @ 24" O.C. EACH WAY
OR 6x6 10/10 WWF MESH

Alternate Exterior Footings

NATURAL GRADE 6" MIN.

San Luis Obispo County Planning and Building Department
Foundation Details
Page 1 of 4
August 2, 2005
Interior Footings

Legend

<table>
<thead>
<tr>
<th>Building Height</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<td>8&quot;</td>
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<td>24&quot;</td>
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Concrete Mix:
2500 lbs. P.S.I. @ 28 days

FOOTINGS FOR BUILT-UP FLOORS

Exterior Footings for Built-Up Floors
Pier Details for Built-Up Floors

2x SOLID BLOCKING OR BRIDGING
FOR INTERMEDIATE SPANS OVER 8' 0"

APPROVED SUB FLOORING

FLOOR JOIST

18" MIN.

12" MIN.

6" MIN.

6"

STABILIZING BLOCKING WHERE GIRDER ARE DEEPER THAN 6"

NATURAL GRADE

20" SQ. MIN.

2" BLOCKING
OVER GIRDER

2" x 4" STUDS @ 16" O.C.
2" x 4" BOTTOM PLATE
APPROVED SUB-FLOORING

DOUBLE FLOOR JOIST UNDER BEARING PARTITIONS

4" x 6" GIRDER SPANS TO 7' 0"
APPROVED CONNECTION
2" x 8" x 8"
RDWD. BLK.

6" MIN.

12" MIN.

NATURAL GRADE

12" MIN.

20" SQ. MIN.

Legend

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### Maximum Span

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<th>Joist Size</th>
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<th>24&quot; O.C.</th>
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<td>2 x 12</td>
<td>22' 5&quot;</td>
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<td>17' 5&quot;</td>
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### Screened Under Floor Vents:
Total 1 sq. ft. for each 150 sq. ft. of underfloor area & provide 18" x 24" access
* Floor loads only up to 64 sq. ft. tributary area.
24" sq. min. for up to 80 sq. ft. tributary area.
* Concrete Mix:
2500 P.S.I. @ 28 DAYS

### Step Footing Design - Single Story
(Req'd. when slope exceeds 10%)

![Step Footing Design Diagram]