

ROOF DRAINS

Conventional Roof Drainage Systems

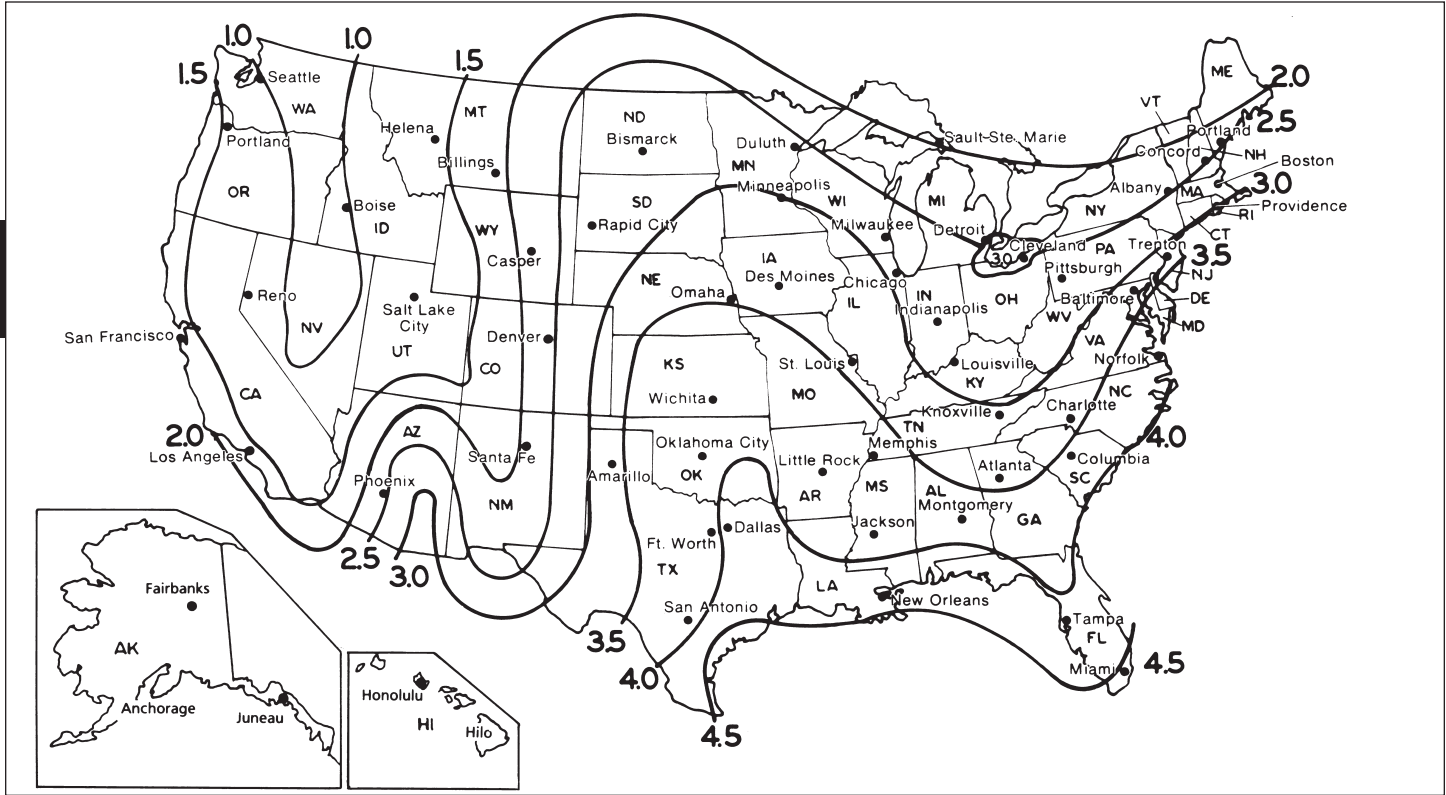


FIGURE 5

RAINFALL MAP

The maximum rate of rainfall for a number of localities is shown in Figure 4. For localities that are not listed, see the rainfall map (Figure 5). The maximum rainfall curves shown on this map have been compiled on the basis of a composite average of recorded rainfall data. The rainfall curves in Figure 5 represent maximum rainfall. These can be expressed as 100-year storm curves. To arrive at the rainfall for 50-, 25- and 10-year return period storms, a constant .3 inch reduction factor for each storm period is employed for each curve. (Use Figure 6) If the location desired falls between two curves, an estimate should be made as to how far away the location is and then adjust the rainfall accordingly. EXAMPLE: Salt Lake City is approximately 1/2 of the way between the curves of 1.0 and 1.5, therefore, the estimate of 1.3 would be used.

100 Yr. Max. Storm	50 Yr. Max. Storm	25 Yr. Max. Storm	10 Yr. Max. Storm
1.0	1.0	1.0	1.0
1.5	1.2	1.0	1.0
2.0	1.7	1.4	1.1
2.5	2.2	1.9	1.6
3.0	2.7	2.4	2.1
3.5	3.2	2.9	2.6
4.0	3.7	3.4	3.1
4.5	4.2	3.9	3.6

Note: 1 inch rainfall is considered minimum for design purposes. The data in Figure 6 is adjusted accordingly.

FIGURE 6