



**BUILDING CODE MANUAL  
COUNTY OF LOS ANGELES  
DEPARTMENT OF PUBLIC WORKS  
BUILDING AND SAFETY DIVISION  
Based on the 2011 LACBC**

**#29  
1611.2  
Article 1  
06-28-11  
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**RAIN LOADS AND ROOF DRAINAGE**

The minimum slope allowed for positive drainage is  $\frac{1}{4}$  inch per foot. Where slopes are less than  $\frac{1}{4}$  inch per foot, ponding shall be considered in the structural design per Section 1611.2 of the Building Code and ASCE 7-05 Section 8.4.

Roof drains shall be designed using the criteria contained in Section 1611 of the Building Code, ASCE 7-05 Section 8.2, and Tables 11-1, 11-2 and 11-3, and Appendix "D" Table D-1 of the Plumbing Code based upon a rainfall intensity of 3 inches per hour. More exact methods of design are permissible, however, the roof drains shall be adequate to convey the water tributary to roof drains without using the overflows.

In addition to the requirements of Section 1503.4, the overflow drains (secondary roof drains) and scuppers shall comply with the Plumbing Code.

The overflow drain is not required to have a drain line. However, if the overflow drain is connected to a drain line, the overflow drain line must be independent from the roof drain line. Drainage water collected from a roof, awning, canopy or marquee, and condensate from mechanical equipment shall not flow over a public walking surface.

Roof drainage system within the building and with a roof area greater than 6,000 square feet shall be referred to the Plumbing Section for plan check.


Supersedes BCM 1506 Article 1 dated 05-05-97

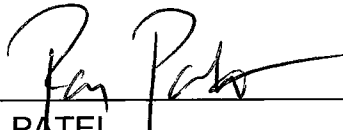
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