

## Case Study

A new office building has a roof area of 1,100 m<sup>2</sup>, of which 350 m<sup>2</sup> is covered by mechanical equipment. The effective roof area is 750 m<sup>2</sup>. Minimum required roof area for Green Roof is 30% of the total roof area i.e. 330 m<sup>2</sup>. Hence green roof should be at least 330 m<sup>2</sup>. Since, the effective roof area exceeds 150 m<sup>2</sup> and the total calculated vegetated roof area meets 30% of the total roof area (as indicated in Table 304.03 (1)), the project complies with this regulation.

**Table 304.03(1): Case Study for Green Roof**

Description	Area (m <sup>2</sup> )
Total roof area	1,100
Mechanical services area	350
Effective roof area	750
Vegetated roof area	330
Percentage of vegetated roof	30%

## COMPLIANCE DOCUMENTATION

**Table 304.03(2): Documents Required**

Project Stages	Submittal Documents
Design Permit Application	1. Roof layout highlighting area of green roof. 2. Calculations for green roof area.
Construction Completion Application	1. Final approved roof layout highlighting area of green roof.
After Completion	1. Photographs of green roof.

## REFERENCES AND ADDITIONAL INFORMATION

Dubai Municipality (2019). Al Sa'fat Regulation No. 302.01: Local Species.

Dubai Municipality (2019). Al Sa'fat Regulation No. 304.01: Urban Heat Island Effect.