

ROOF RUNOFF STRUCTURE DESIGN AND CHECK DATA REQUIREMENTS

The following items must be documented in the design folder for Roof Runoff Structures:

Design Record

1. Gutter, downspout, and pipe capacities; and gutter slope and size requirements based on inflow from roof surfaces.

Drawings

1. Freehand sketch of layout, including roof areas and slopes, outlets, and downspouts.
2. Profile along the proposed centerline(s) of drip-line drains.
3. Profile of ground surface and proposed grade of channels and drains.
4. Profile along centerline(s) of outlet pipes, in accordance with PA Standard 620.

Construction Check Data

1. Measurements to show gutter, drip-lines, and appurtenances were installed as designed or otherwise modified by authorized personnel.
2. Length, kind, and size of gutters and downspouts.
3. Length, kind, and size of outlet pipe(s), or as indicated in the associated specification.
4. Method of gutter supports.
5. Location sketch of lines and outlets as installed.
6. Gradation and quantity of stone in drip-line drains.