

Basic Design Competency Review Course (5 days) (BSEN12845/LPC Rules: 2015)

Module 1: General Knowledge

Hazard classification

Design criteria

Storage types, categories and height limits: OH and HH

Drawing requirements

Areas of protection and permitted exceptions

Approval and certification procedures and approved equipment

Module 2: Water Supplies

Grades and available sources

Flow and pressure demands

Town mains, pumps, tanks and pump-houses

Pump selection: OH and HH

Tank selection

Pump electrical supplies

Module 3: Spacing and Location of Sprinklers

Spacing limits, boundaries and distances below ceilings

Beam rule, obstructions and supplementary protection

Sidewall sprinklers

Roof, ceiling and floor voids

Module 4: Components & Calculations

Head selection, pipe specification and pipe supports

Installation control valves

OH pipe tables and hydraulic calculations

Drainage requirements

Module 5: System Types & Applications

Wet, dry, tail-end air and pre-action systems

Cold storage areas

Special hazards

Annex F (Life safety), zoning and multiple occupancy buildings



Each candidate will require to bring with them an up to date copy of the LPCB Rules for Automatic Sprinkler Installations 2015 incorporating BSEN12845: 2015 (and the latest TB's), writing materials, a calculator that can raise numbers by powers (x^y), and a scale rule. The course starts at 9.00am sharp each day.

Notes and practice questions will be provided.

British Automatic Fire Sprinkler Association

bafsa