



FIRE FIGHTING DESIGNING

- INTRODUCTION TO FIRE FIGHTING.
- CLASSIFICATION OF FIRE (DESCRIPTION)
- FIRE EXTINGUISHER TYPES- USING PROCEDURE and GENERAL MAINTENANCE
- FIRE PROTECTION SYSTEMS
 - ACTIVE
 - PASSIVE
- REFUGE AREAS – RULES & REGULATIONS
- STAIR WELL PRESSURIZATION SYSTEM
- FIRE SUPPRESSION & DETECTION SYSTEMS
 - Sprinklers – Type, Selection & Designing
 - Detectors – Type, Selection & Detection
(Smoke, Heat, Beam & Flame Detectors)
- FIRE HOSE CABINET & FIRE HYDRANT SELECTION
- PIPE SELECTION & SIZING
- CONCEPT OF WET RISER & DRY RISER
- BASIC LAY OUT FOR DOWNCOMER & RAISER
- DESIGN OF OVERHEAD & UNDER GROUND FIRE TANK SIZING
- FIRE PUMPS (MAIN PUMP, JOCKEY PUMP & DIESEL PUMP)
CLASSIFICATION, TYPES & SELECTION.
- DESIGN OF FIRE PROTECTION SCHEMATIC LAYOUTS
- FM 200 SYSTEM DESIGN (WATER LESS FIRE PROTECTION SYSTEMS)
- FIRE ALARM SYSTEM DESIGNING
- NFPA, NBA & FSAI CODE FOR FIRE FIGHTING SYSTEM DESIGNING
- FIRE FIGHTING HYDRAULIC CALCULATION FOR HIGH RISE BUILDINGS