

PROJECT DESCRIPTION

(Provide descriptions and scope of works)

FIRE SAFETY PROVISIONS

FIRE FIGHTING SYSTEM
AUTOMATIC SPRINKLER SYSTEM
COVERAGE: [] THROUGHOUT
[] PARTIAL PROTECTION; SPECIFY AREAS PROTECTED:
[] NON-SPRINKLER PROTECTED

MANUAL FIRE FIGHTING SYSTEM
[] FIRE HOSE REELS 1 in (25mm) (INDICATE LOCATION ON PLANS)
[] PORTABLE FIRE EXTINGUISHERS

RISING MAINS (STANDPIPE SYSTEM)
[] WET
[] DRY

FIRE WATER TANK
[] REINFORCED CONCRETE
[] STEEL
[] OTHER, SPECIFY (NON-COMBUSTIBLE):

BREECHING INLET (FIRE DEPARTMENT CONNECTION)
[] YES [] N/A (INDICATE LOCATION ON PLANS)

OTHER AUTOMATIC SUPPRESSION SYSTEM
TYPE APPLICATION / AREAS PROTECTED
[] WATER SPRAY SYSTEM
[] WATER MIST SYSTEM
[] CLEAN AGENT SUPPRESSION SYSTEM SERVER ROOM
[] FOAM SYSTEM
[] DRY CHEMICAL SYSTEM
[] WET CHEMICAL SYSTEM
[] KITCHEN / RANGE HOOD EXTINGUISHING SYSTEM
[] OTHER, SPECIFY: (CHECK PROVISIONS & SPECIFY LOCATIONS PROTECTED)

FIRE ALARM SYSTEM
[] AUTOMATIC DETECTION AND ALARM
[] MANUAL
[] SMOKE ALARMS
[] WIRED
[] MANUAL
[] EMERGENCY COMMUNICATION SYSTEM

MAIN PANEL SUB-PANEL
LOCATION: SPECIFY LOCATION:
[] COMMAND CENTER
[] GUARD / SECURITY ROOM
[] OTHER, SPECIFY:

EMERGENCY LIGHTING
LOCATION: ILLUMINATION REQUIREMENT
[] EXIT (STAIRCASE)
[] EXIT ACCESS
[] EXIT DISCHARGE

ACMV & SMOKE CONTROL SYSTEM
POSITIVE PRESSURE VENTILATION SYSTEM
[] STAIRWELL
[] SMOKE-STOP LOBBY
[] FIRE FIGHTING LOBBY
[] FIRE LIFT SHAFT
[] ESCAPE CORRIDOR
[] OTHER, SPECIFY:

SMOKE AND HEAT EXHAUST VENTILATION SYSTEM (SHEVS)
[] NATURAL
[] MECHANICAL
APPLICATION:
[] BASEMENT CAR PARK
[] WAREHOUSE AND / OR STORAGE
[] ATRIUM
[] FIRE PUMP ROOM
[] OTHER, SPECIFY:

OTHER MODE OF VENTILATION
[] NATURAL THRU AIR / SMOKE SHAFT
[] NATURAL THRU EXTERIOR WALL OPENINGS
[] OTHER, SPECIFY:

EMERGENCY POWER SUPPLY SYSTEM
[] DIESEL-ENGINE GENERATOR SET
[] OTHER, SPECIFY:

OTHER FIRE SAFETY PROVISIONS
(Provide descriptions and specifications)

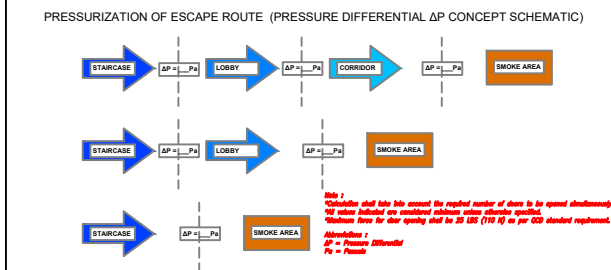
SUBMISSIONS AFTER LIFE SAFETY PLAN APPROVAL
[] FIRE FIGHTING (FF) [] FIRE ALARM (FA)
[] ACMV & SMOKE CONTROL SYSTEM (MV)
LIFE SAFETY PLANS APPROVED APPLICATION NO.:

ACMV and SMOKE CONTROL SYSTEM DESIGN BRIEF

AIR-CONDITIONING SYSTEM:
DESCRIBE THE SYSTEM PROVIDED FOR AIR-CONDITIONING SYSTEM OF THE ENTIRE BUILDING OR PROJECT. (CENTRALIZED CHILLED WATER SYSTEM, DUCTED-SPLIT SYSTEM, VAV SYSTEM, SPLIT TYPE OR WINDOW TYPE A/C, ETC.)

SMOKE CONTROL PROVISIONS:
SMOKE CONTAINMENT SYSTEM:

Table with columns: STAIRCASE & LOBBY SMOKE CONTROL, DESIGN PARAMETERS, CODE/STANDARDS MINIMUM REQUIREMENT, PROVIDED/VERIFIED AS PER DESIGN. Includes rows for design minimum pressure difference and over-pressurization control.



SMOKE MANAGEMENT SYSTEM:

Table with columns: BASEMENT CAR PARK VENTILATION, NORMAL OPERATION, SMOKE / FIRE SCENARIO. Includes rows for design approach, smoke clearance, and smoke control.

ATRIUM AND OTHER LARGE SPACES

MODE OF VENTILATION: (PLS. DESCRIBE; E.G. SHEV, VENTS, SMOKE PURGING, ETC)
DESIGNED PER (REFERENCE STANDARD):
DETAILS:
LOCATION AND NUMBER OF EXHAUST FANS/CAPACITIES
LOCATION AND NUMBER OF MAKE-UP AIR FANS OR OPENINGS
RATIO OF MAKE-UP AIR SUPPLY TO EXHAUSTS
OTHERS
NOTES: SEE LOGIC/SEQUENCE OF OPERATION AND MATRIX FOR THE COMPLETE DETAIL OF THE SYSTEM FUNCTIONALITY

FIRE PUMP AND GENERATOR ROOM

VENTILATION REQUIREMENT
NOTES: SEE LOGIC/SEQUENCE OF OPERATION AND MATRIX FOR THE COMPLETE DETAILS OF THE SYSTEM FUNCTIONALITY

FIRE COMMAND CENTER

MODE OF VENTILATION: (PLS. DESCRIBE; E.G. POSITIVE VENTILATION, ETC.)
DETAILS:
LOCATION AND FANS CAPACITIES
OPERATION:
FIRE IN THE BUILDING
FIRE WITHIN THE FCC
OTHERS
NOTES: SEE LOGIC/SEQUENCE OF OPERATION AND MATRIX FOR THE COMPLETE DETAILS OF THE SYSTEM FUNCTIONALITY

LOCATION OF FAN CONTROL PANELS
LOCATION OF CONTROL PANELS RELATED TO MECHANICAL VENTILATION SHALL BE LOCATED AT GROUND LEVEL - FIRE COMMAND CENTER (PLEASE INDICATE LOCATION AS SHOWN IN THE PLANS).

FIRE SAFETY NOTES FOR ACMV SYSTEM

CAUSE AND EFFECT MATRIX (FOR ACMV AND SMOKE CONTROL SYSTEM ONLY)

Large grid for CAUSE AND EFFECT MATRIX with columns for CAUSE DESCRIPTION and EFFECT DESCRIPTION.

NATURAL VENTILATION PROVISIONS:

Table with columns: SPACE OR AREA IN THE BUILDING, MODE OF VENTILATION, MIN. AREA OF OPENINGS, LOCATION OF OPENINGS. Includes rows for CARPARKS / STORAGE, INDUSTRIAL / MANUFACTURING / FACTORY, STAIRCASE, OTHERS.

Notes: SEE DETAILS OF THE DISTRIBUTION/ARRANGEMENT OF THE OPENINGS IN RELATED DRAWING PAGES.

FIRE PREVENTION DEPARTMENT

GENERAL DIRECTORATE OF CIVIL DEFENCE
MINISTRY OF INTERIOR, STATE OF QATAR
APPROVING AUTHORITY

APPLICATION NO: N / YYYY / #####

CONSULTANT'S ENDORSEMENT
CONSULTANT'S SIGNATURE
UPDA Reg. No./Grade: 000/X Qatar ID No.: 0000000000
Validity: 00.00.2014 Validity: 00.00.2014

HEAD OF OFFICE SIGNATURE
UPDA Reg. No.: 000 Company Reg. Grade: A
Validity: 00.00.2014 Qatar ID No.: 0000000000

CLIENT / OWNER
PROJECT TITLE

LOCATION: PIN:
AREA: STREET: PLOT:
DRAWING TITLE

GENERAL INFORMATION FOR ACMV and SMOKE MANAGEMENT SYSTEM
REVISION NO.: SHEET NO.: DRAWING NUMBER
DATE: SCALE:

BUILDING DATA

AREA STATEMENT

DRAWING INDEX

Table with columns: NO., SHEET NO., DRAWING TITLE, SCALE, PAPER. Includes rows for AIR-CONDITIONING AND VENTILATION SYSTEM DRAWING LIST and GENERAL DRAWINGS.

COPY AS PER LIFE SAFETY PLAN APPROVAL