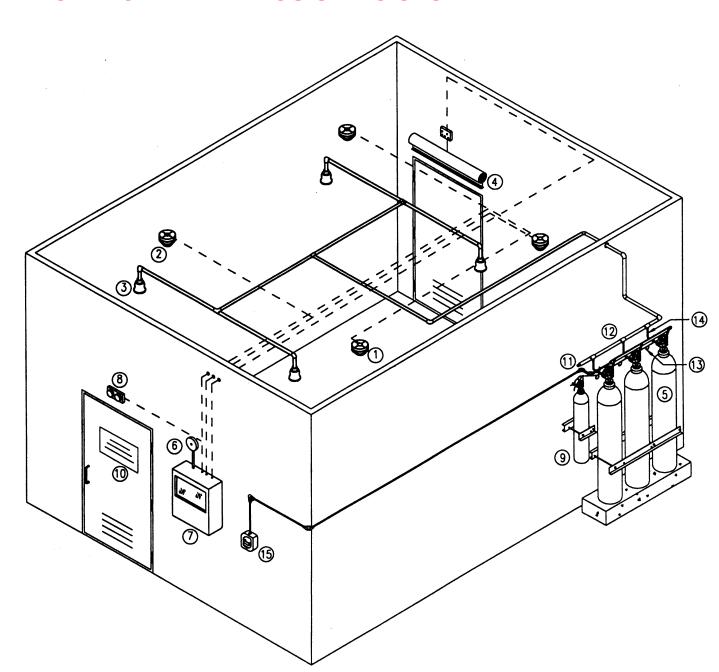
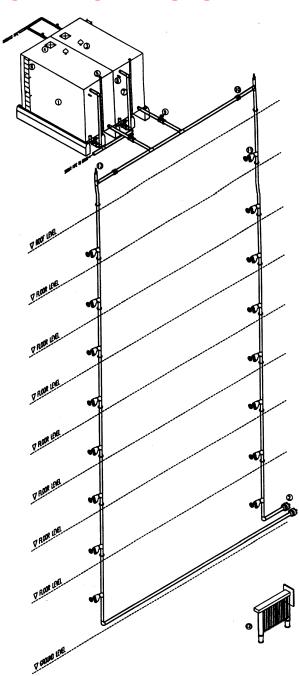
## **CARBON DIOXIDE EXTINGUISHING SYSTEM**

- 1 Heat Detector
- 2 Smoke Detector
- **3 Extinguishing Nozzles**
- 4 Fire Curtain (for Louvre Door / Opening)
- 5 CO<sub>2</sub> Cylinder c/w Accessories
- 6 Alarm Bell
- 7 Key Switch
- 8 Double Inter-lock Control Panel c/w Back Up Battery
- 9 Normal / Discharge Light
- 10 Pilot Cylinder c/w Solenoid Valve
- 12 Safety Plug
- 13 Piping Manifold
- 14 Copper Tubing
- 15 Discharge Hose c/w Check Valve
- 16 Manual Pull Station

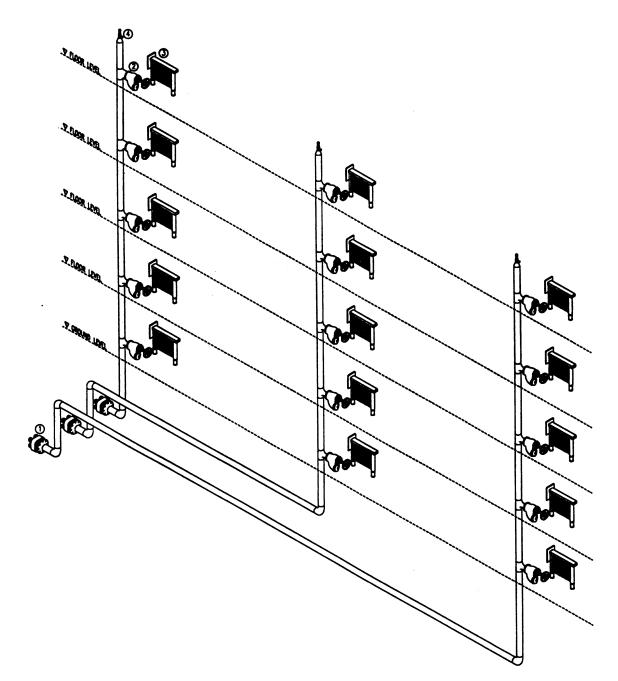


# **DOWN COMER SYSTEM**



# **DRY RISER SYSTEM**

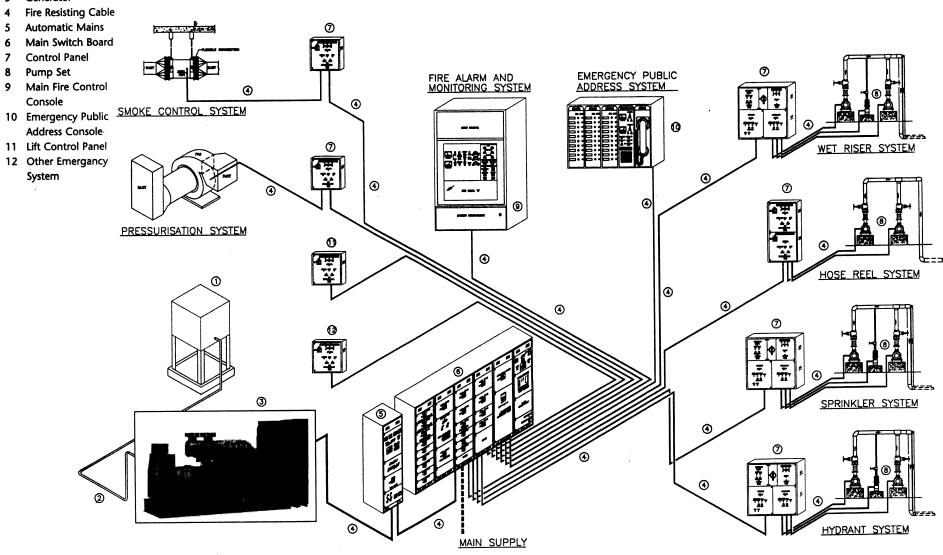
- 1 4-Way Breeching Inlet
- 2 Landing Valve
- 3 Hose Cradle
- 4 Air Release Valve c/w Ball Valve



## **EMERGENCY POWER SYSTEM**

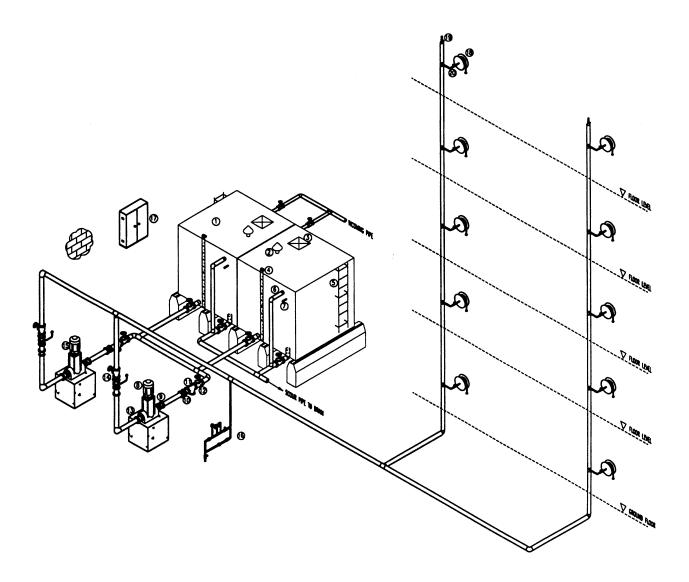
#### **COMPONENT / EQUIPMENT LIST**

- **Fuel Tank**
- Fuel Line
- Generator
- Fire Resisting Cable
- 5 Automatic Mains
- Main Switch Board
- 7 Control Panel
- Pump Set
- Main Fire Control Console
- Address Console
- 11 Lift Control Panel
- 12 Other Emergancy System

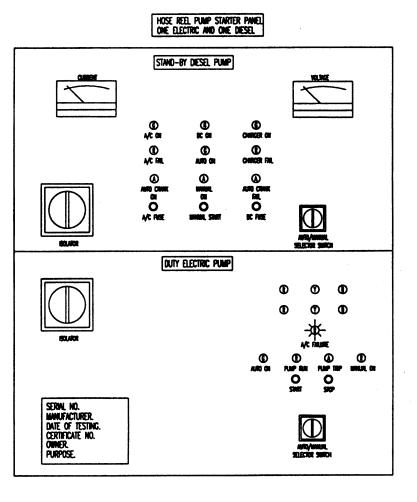


## **HOSE REEL SYSTEM**

- 1 Water Tank
- 2 Vent Pipe c/w Mosquito Net
- 3 Access Opening
- A Level Indicator
- 5 External Cat Ladder
- 6 Overflow Pipe
- 7 Warning Pipe
- β Standby Pump
- 9 Eccentric Reducer
- 10 Expansion Joint
- 11 Y-Strainer
- 12 Gate Valve
- 13 Concentric Reducer
- 14 Check Valve
- 15 Duty Pump
- 16 Pump Start Test Pipe
- 17 Pump Starter Panel
- 18 Hose Reel Drum c/w Hose & Nozzle
- 19 Air Release Valve c/w Ball Valve
- 20 Stop Valve



## **HOSE REEL PUMP STARTER PANEL**

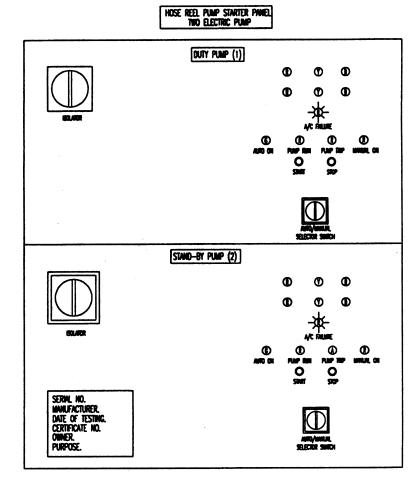


#### Note ·

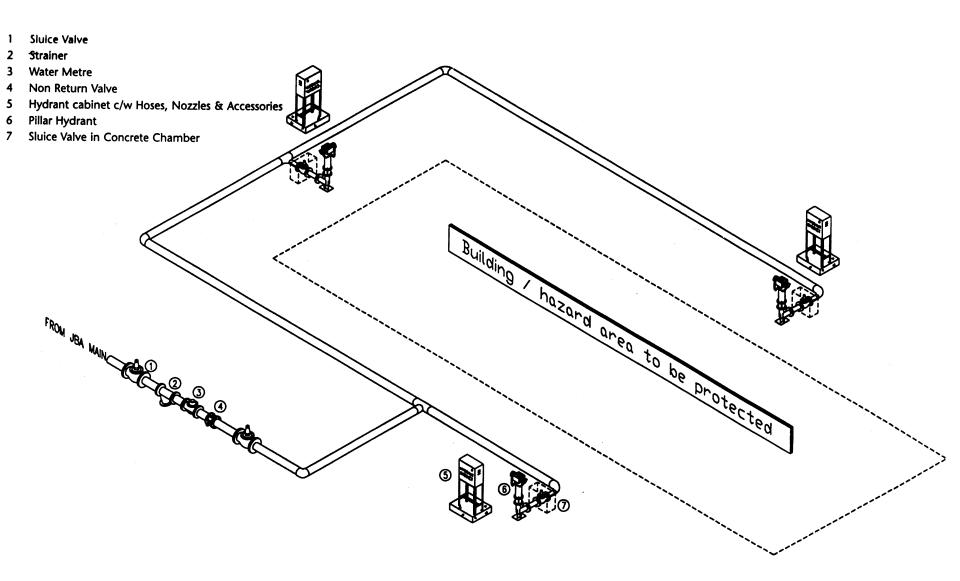
- Phose indicator shall be shown in explicate (double filament bulbs with a single alignment is acceptable as an alternative.)
- A/C failure indicator shall be monitored on to the fire atorm indicator ponel.

#### Legend

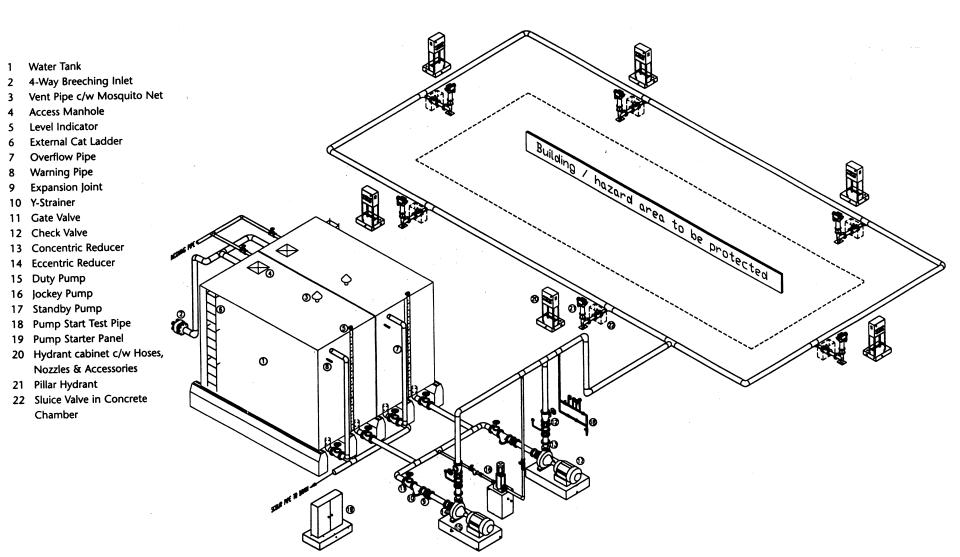
- (D) :- Red light
- (Y) :- Yellow ligh
- ① :- Blue light
- (E) :- Green light
- (A) :- Amber light
- -XX- :- Red fleshing fiel



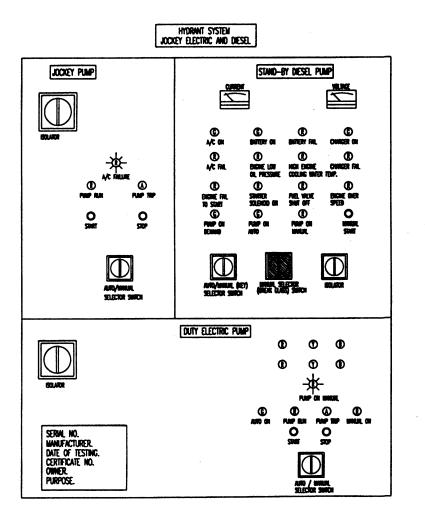
# **HYDRANT SYSTEM (DIRECT FROM JBA)**

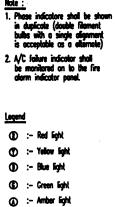


# PRESSURISED HYDRANT SYSTEM

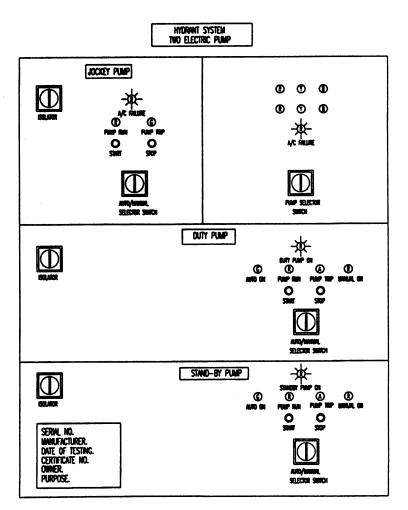


#### **HYDRANT PUMP STARTER PANEL**

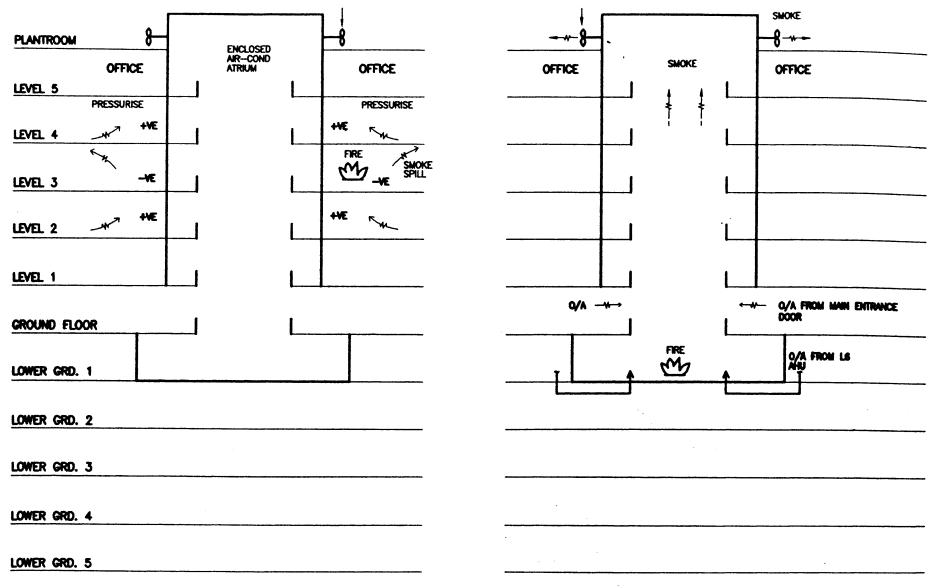




-XX- :- Red flashing light



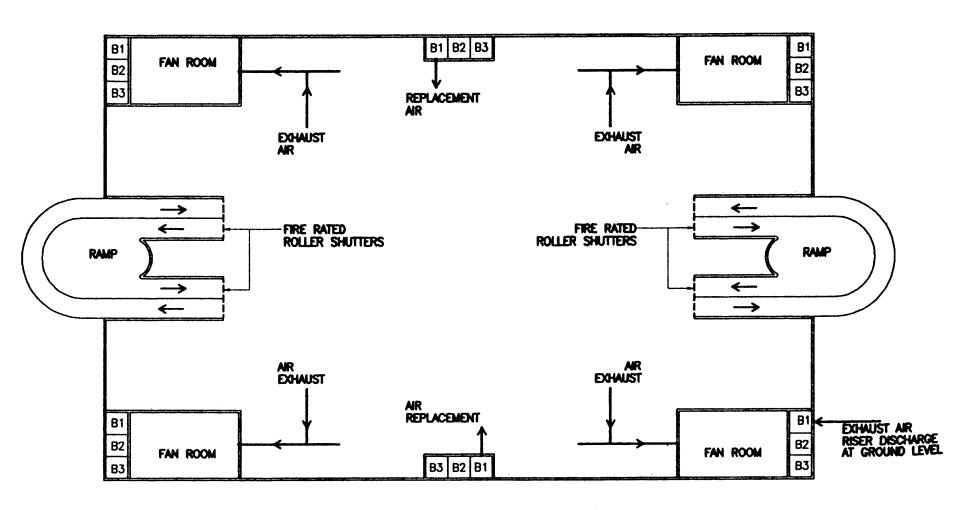
## **SMOKE CONTROL FOR ATRIUM**



- 1. FIRE ON L3
  - a). SMOKE SPILL SYSTEM AT L3 OFFICE ACTIVATED
  - b). L4 AND L2 OFFICE FA OPERATE IN PRESSURISED MODE
  - c). AHU'S ON ALL OTHER FLOORS TRIPPED

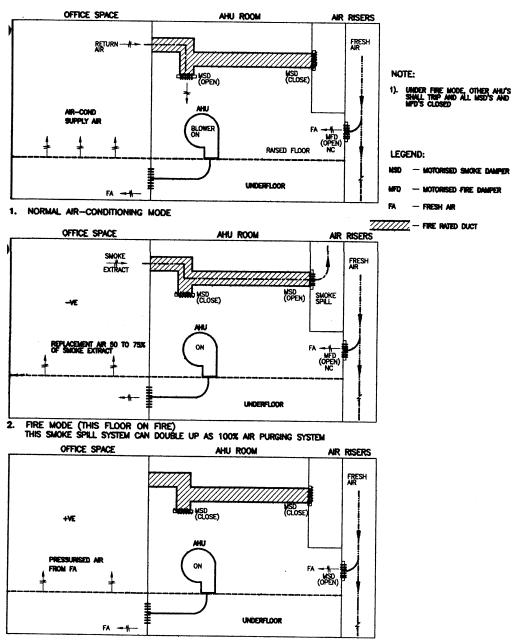
- 2. FIRE IN ATRIUM VOID
  - •). ATRIUM SMOKE SPILL FAMS OPERATE
  - b). ALL AHU'S TRIPPED

## **SMOKE CONTROL FOR BASEMENT CAR PARK**



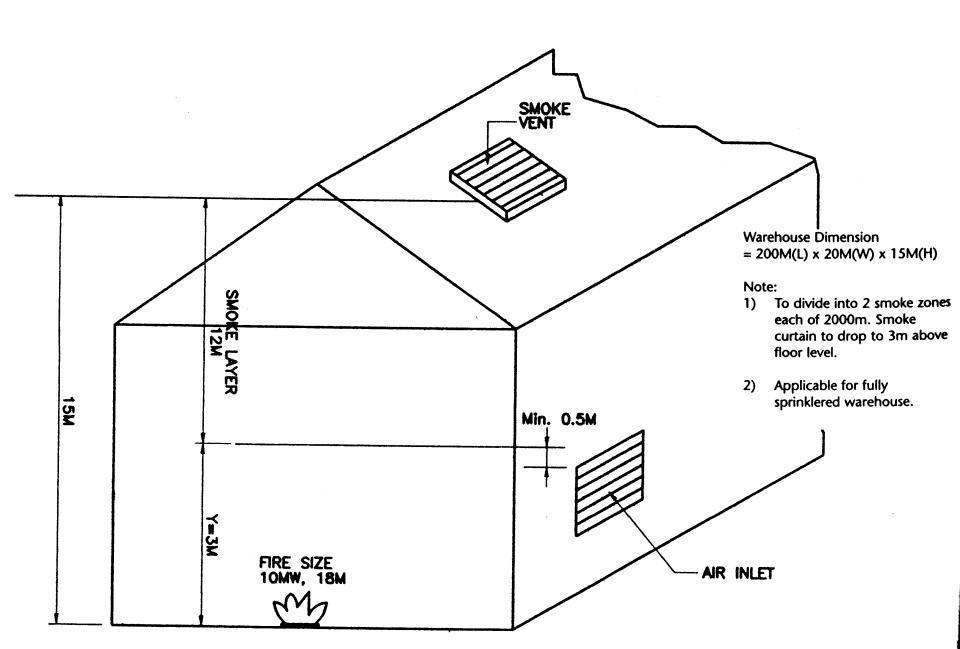
**Typical Floor Layout** 

# **SMOKE CONTROL FOR OFFICE**



3. FIRE MODE (FLOOR NOT ON FIRE BUT IS ONE FLOOR ABOVE OR BELOW FIRE FLOOR)

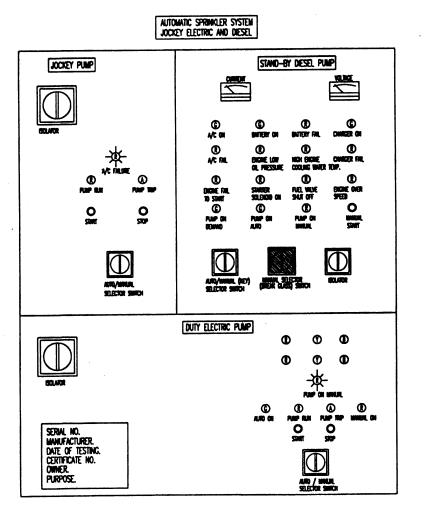
# **SMOKE CONTROL FOR WAREHOUSE**



## SPRINKLER SYSTEM

#### COMPONENT / EQUIPMENT 15 Concentric Reducer Water Tank 4-Way Breeching Inlet 16 Check Valve Vent Pipe c/w Mosquito Net 17 Jockey Pump 18 Pump Start Test Pipe **Access Opening** 19 Pump Starter Panel **Level Indicator** External Cat Ladder 20 Sprinkler Alarm Valve **Overflow Pipe** 21 Flow Metre 22 Sprinkler Alarm Valve Warning Pipe 8 23 Butterfly Valve Standby Pump 24 Flow Switch 10 Eccentric Reducer 11 Expansion Joint 25 Drain Valve 26 Sprinkler Head 12 Y-Strainer 27 Air Release Valve c/w Ball Valve 13 Gate Valve 14 Duty Pump **\$** 0

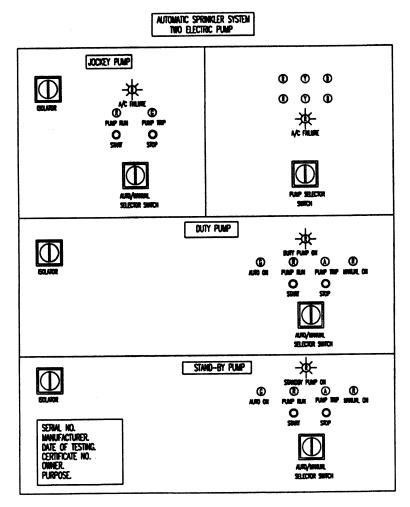
#### **AUTOMATIC SPRINKLER PUMP STARTER PANEL**



# Note: 1. Phase indicators shall be shown in duplicate (double filament bulbs with a single oligament is acceptable as a charmote) 2. A/C feiture indicator shall be manitared on to the fire alarm indicator panel. Legend ① :- Red light ① :- Yellow light ① :- Blue light ① :- Green light

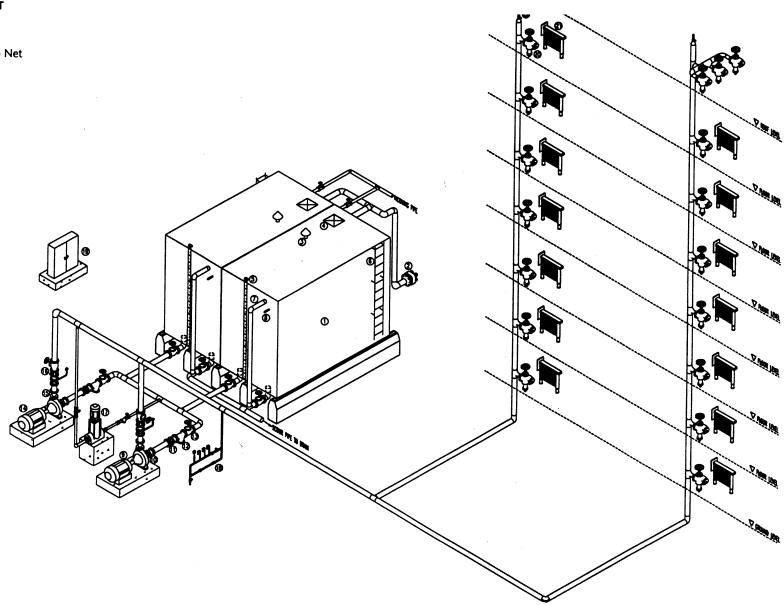
:- Amber light

-XX-:- Red flashing light



## **WET RISER SYSTEM**

- 1 Water Tank
- 2 4-Way Breeching Inlet
- 3 Vent Pipe c/w Mosquito Net
- 4 Access Opening
- 5 Level Indicator
- 6 External Cat Ladder
- 7 Overflow Pipe
- 8 Warning Pipe
- 9 Standby Pump
- 10 Eccentric Reducer
- 11 Expansion Joint
- 12 Y-Strainer
- 13 Gate Valve
- 14 Duty Pump
- 15 Concentric Reducer
- 16 Check Valve
- 17 Jockey Pump
- 18 Pump Start Test Pipe
- 19 Pump Starter Panel
- 20 Landing Valve
- 21 Hose Cradle
- 22 Air Release Valve c/w Ball Valve



## WET RISER PUMP STARTER PANEL

 Phase indicators shall be shown in duplicate (double filament bulbs with a single alignment is acceptable as a alternate)

2. A/C failure indicator shall be manitared on to the fire

alarm indicator panel.

:- Red light :- Yellow light

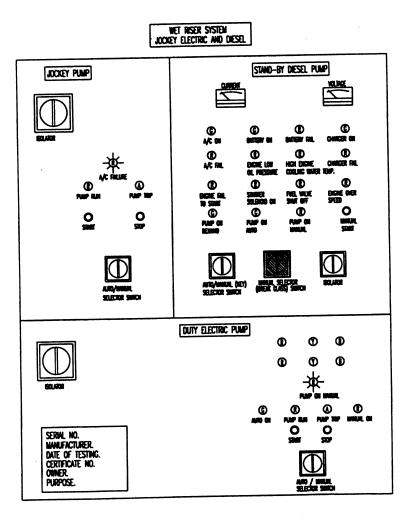
:- Blue light

:- Amber light

-XX-:- Red flashing light

(i) :- Green light

Legend



#### JOCKEY PUMP 0 0 0 AC RUE 0 PARP SELECTOR NATO/MINUL SHILD SECTION SWITCH DUTY PUMP 0 STEETON SHIPCH STAND-BY PUMP **©** 1 0 0 SERIAL NO. MANUFACTURER. DATE OF TESTING. CERTIFICATE NO. OWNER. PURPOSE. SUBCION SWECK

WET RISER SYSTEM

TWO ELECTRIC PUMP