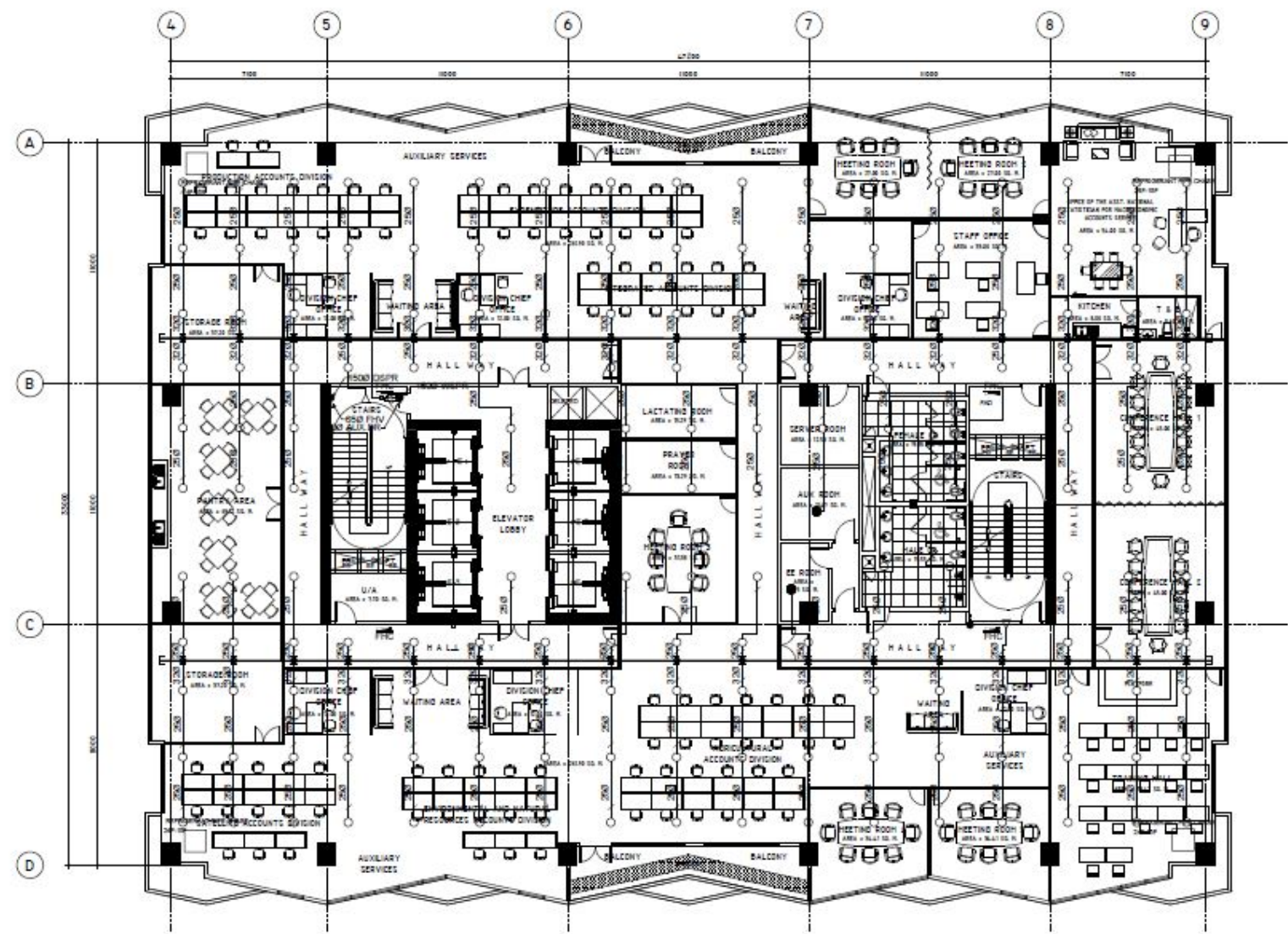


FIRE PROTECTION PLANS



FIRE PROTECTION

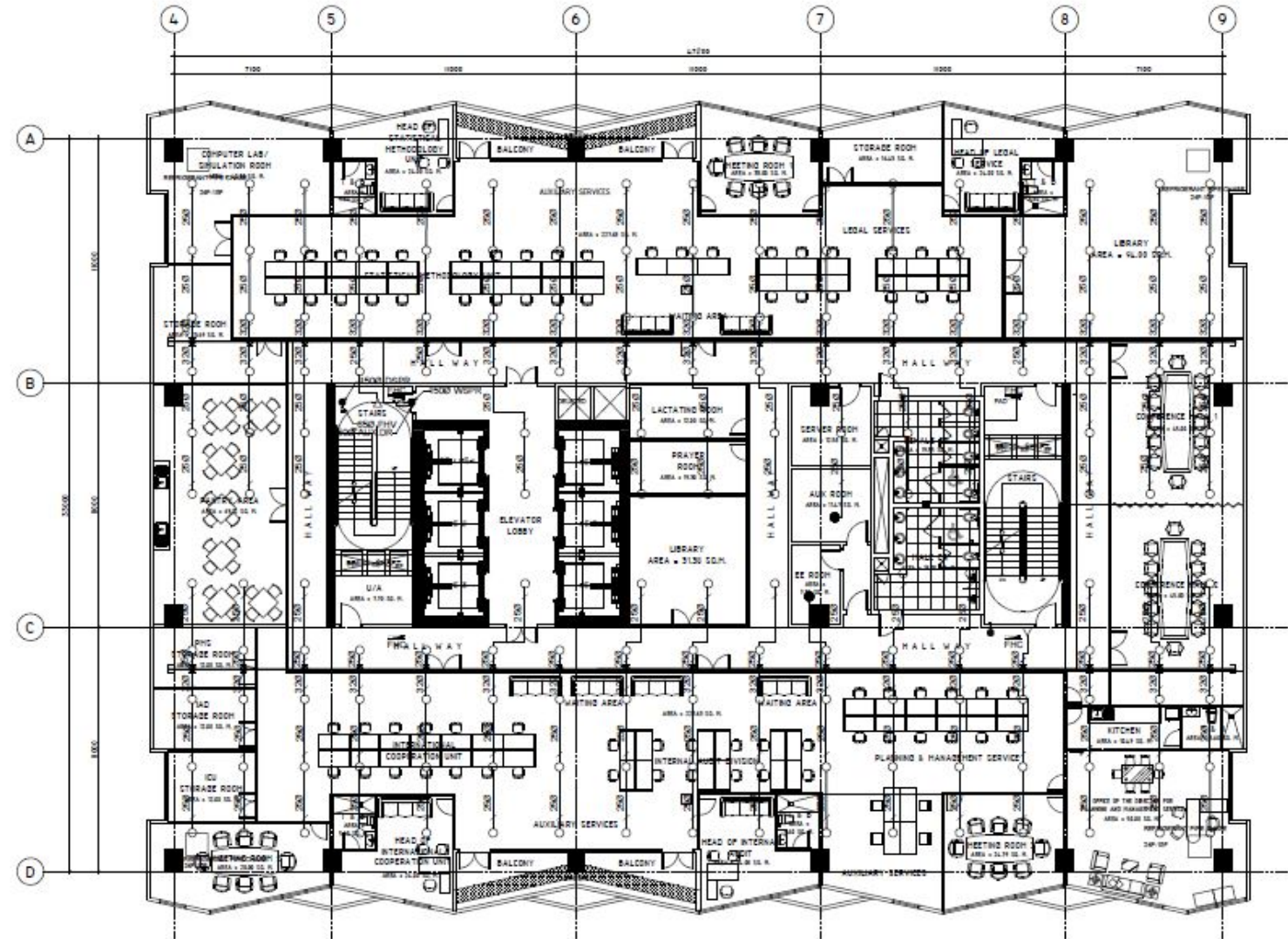
SCALE: 1:200 MTS

MACROECONOMIC ACCOUNTS SERVICE

TOTAL FLOOR AREA = 1,557.60 sq.m.

21st FLOOR

## FIRE PROTECTION PLANS



## FIRE PROTECTION

SCALE:

1:200 MTS

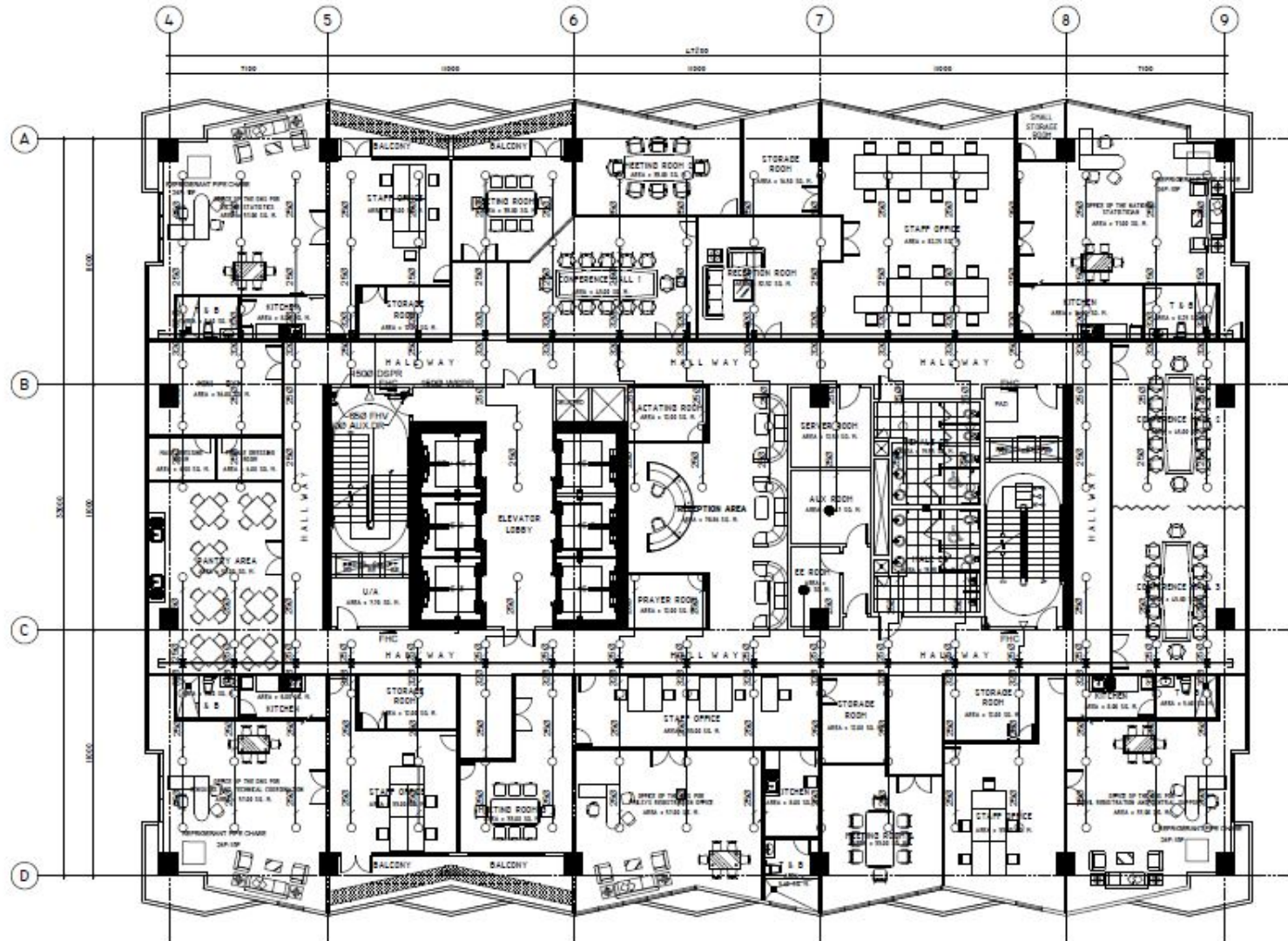
OFFICE OF THE NATIONAL STATISTICIAN (ONS) UNITS

TOTAL FLOOR AREA = 1,557.60 sq.m.

22nd FL00R



## FIRE PROTECTION PLANS



## FIRE PROTECTION

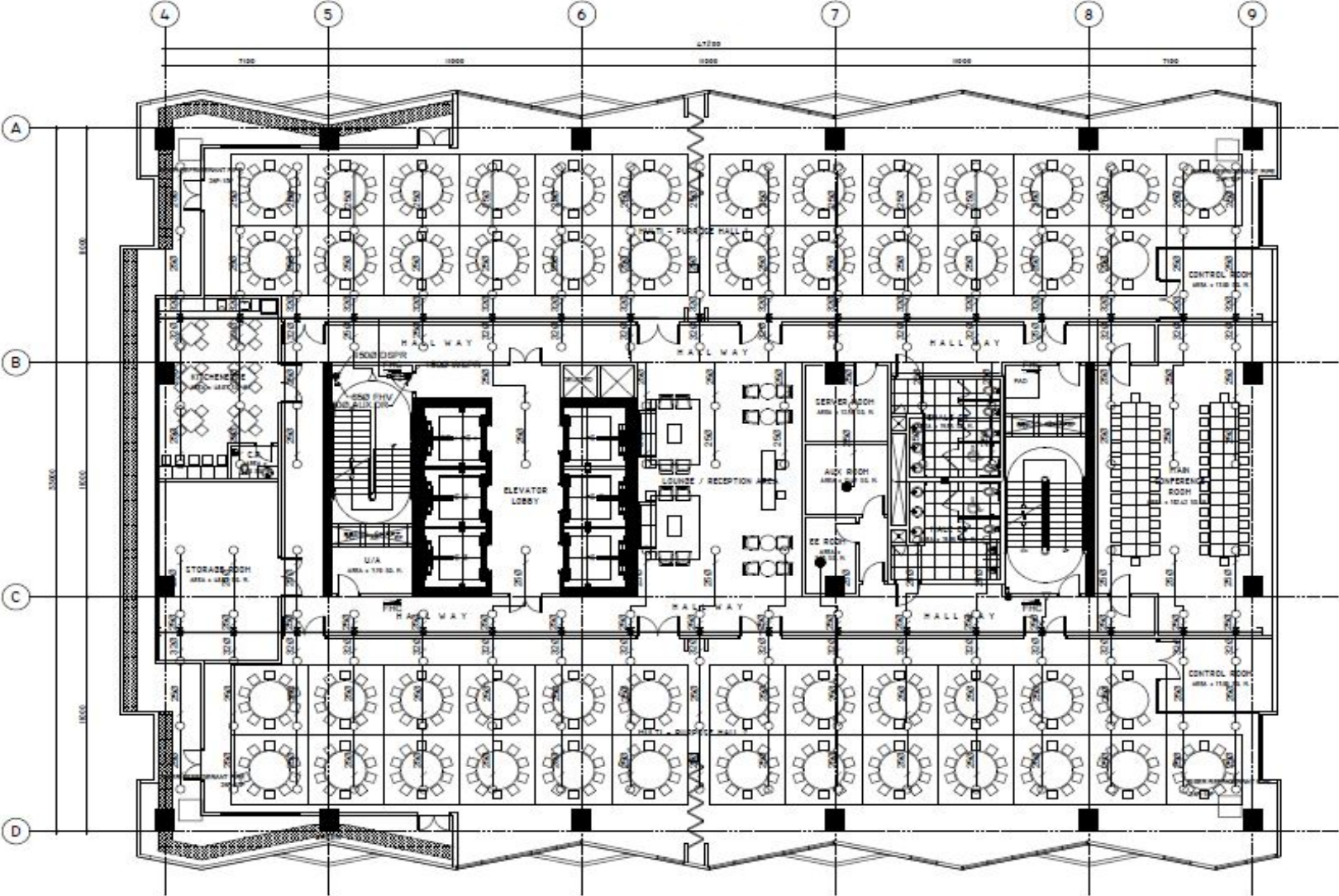
SCALE: 1:200 MTS

OFFICE OF THE NATIONAL STATISTICIAN &  
OFFICE OF THE DEPUTY NATIONAL STATISTICIAN

TOTAL FLOOR AREA = 1,557.60 sq.m.

23rd FL00R

FIRE PROTECTION PLANS



FIRE PROTECTION

SCALE: 1:200 MTS

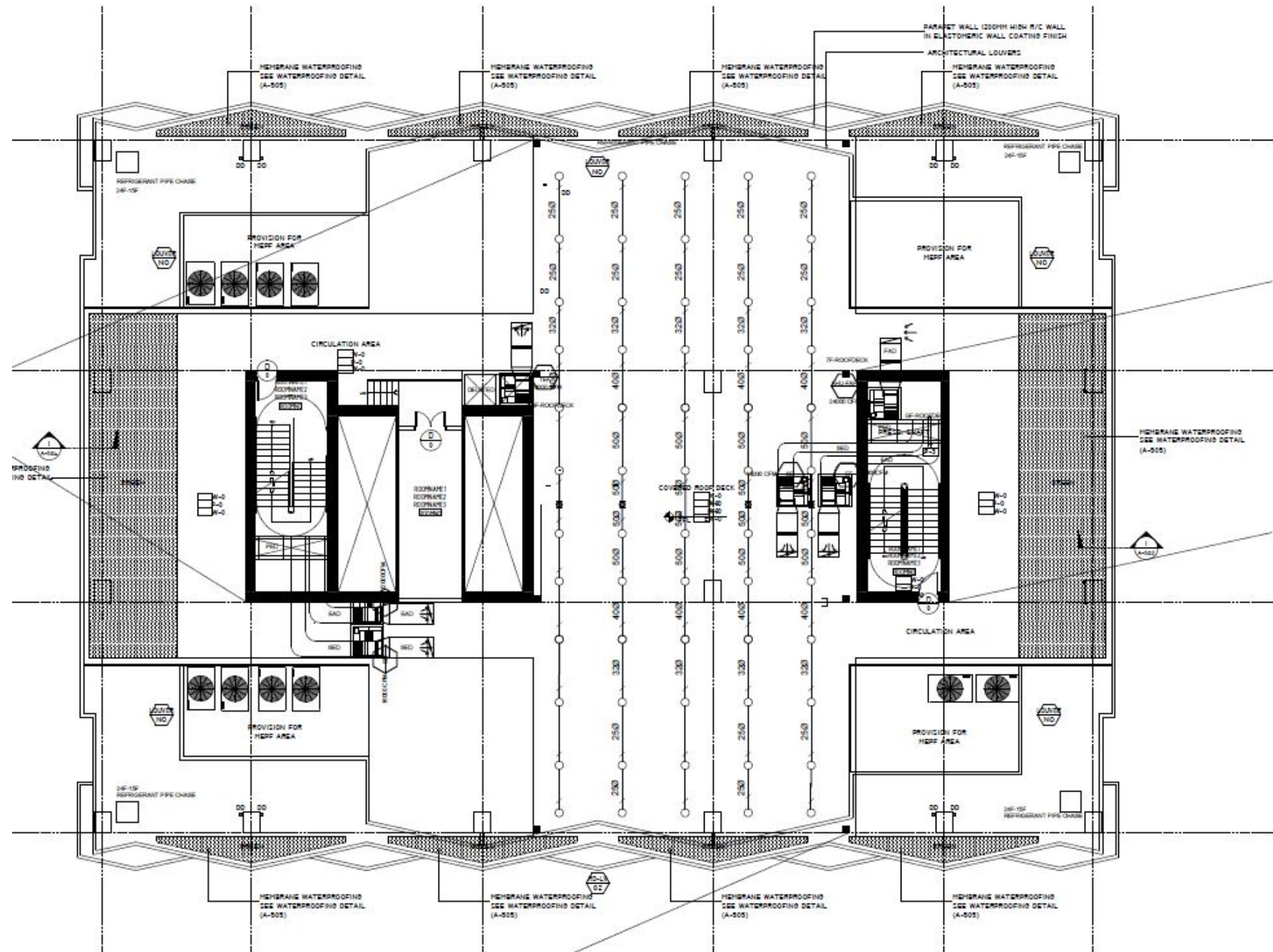
MULTI-PURPOSE HALL &  
MAIN CONFERENCE ROOM

TOTAL FLOOR AREA = 1,557.60 sq.m.

24th FLOOR



## FIRE PROTECTION PLANS



## FIRE PROTECTION

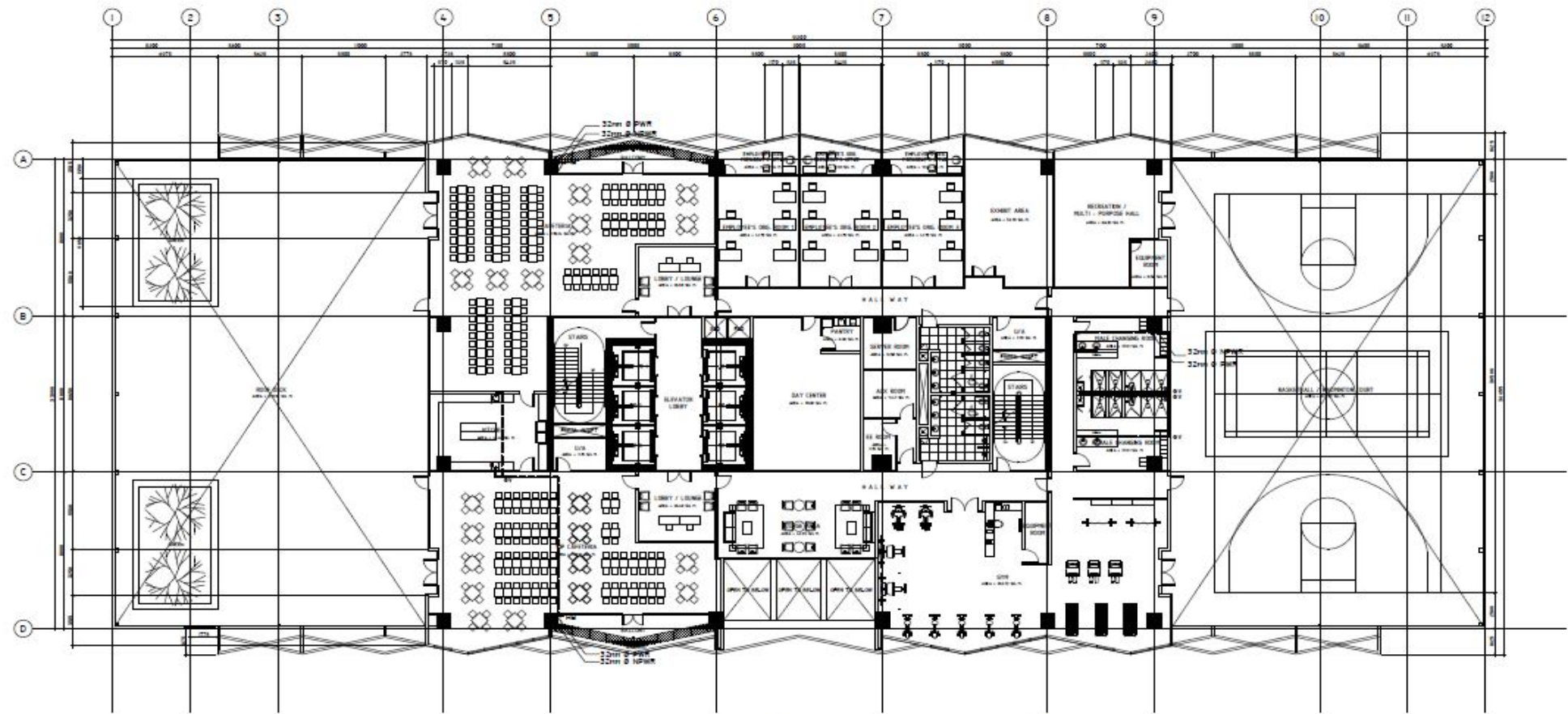
SCALE:

1:200 MTS

TOTAL FLOOR AREA = 1,557.60 sq.m.

ROOF DECK

SANITARY PLANS



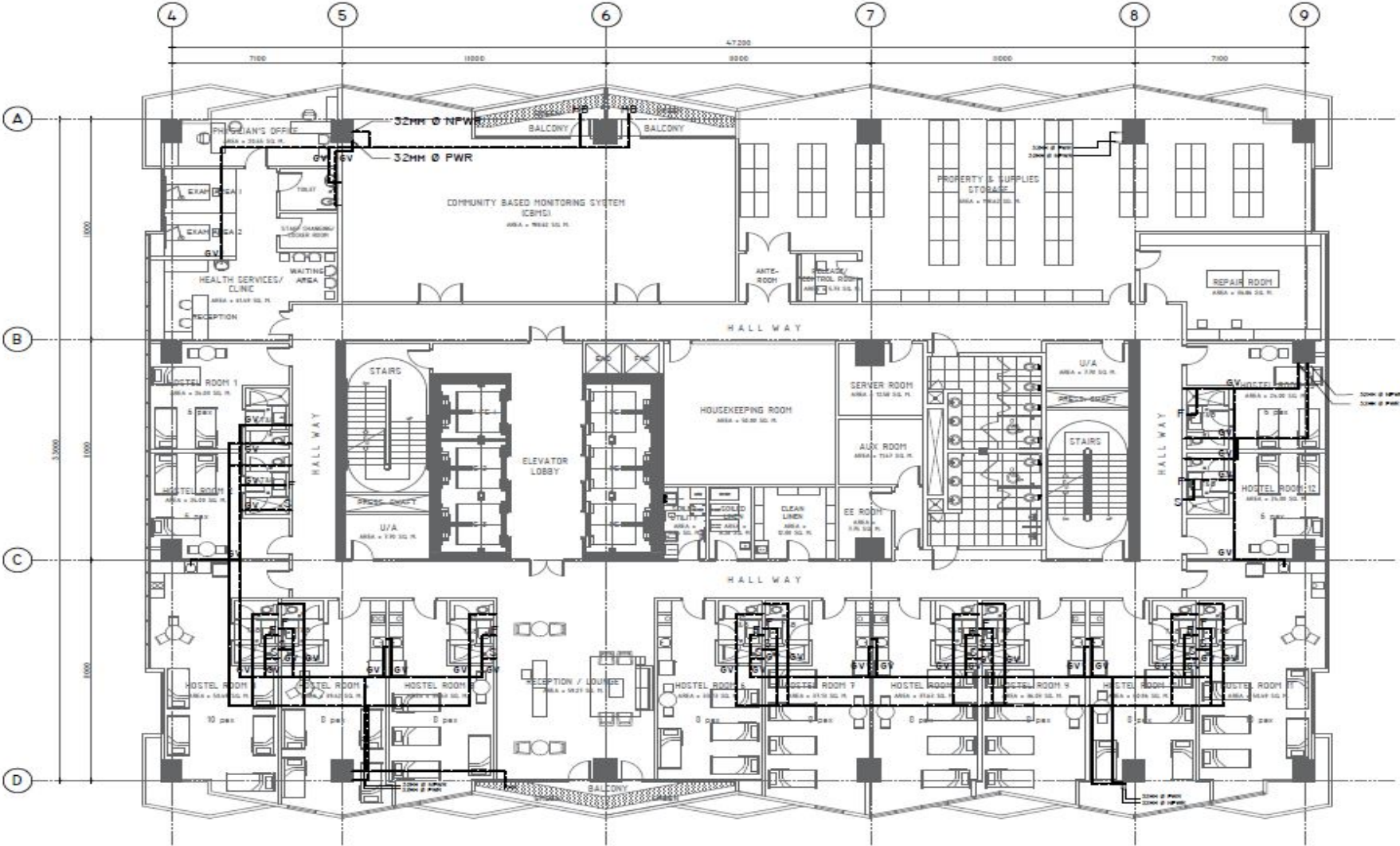
WATER LINE LAYOUT  
SCALE: 1:100MTS

PLUMBING LEGEND:			
---	CLEAN WATER LINE	F	FAUCET
X	GATE VALVE	NPWR	NON-POTABLE WATER RISER
HB	HOSE BIBB	PWR	POTABLE WATER RISER
KS	KITCHEN SINK	GV	GATE VALVE
		S	SHOWER

TOTAL FLOOR AREA = 1,557.60 sq.m.

7th FLOOR

SANITARY PLANS



WATER LINE LAYOUT

SCALE: 1:100MTS

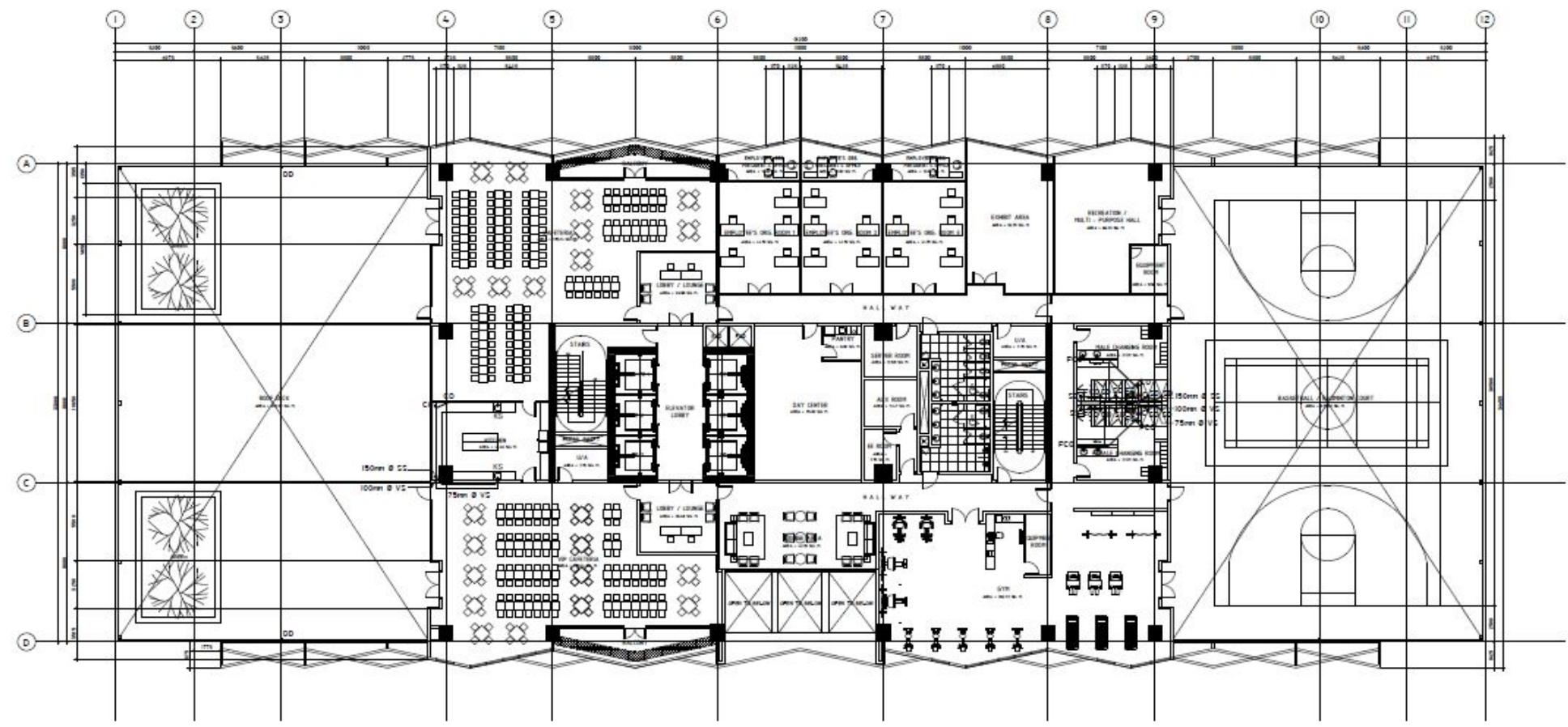
PLUMBING LEGEND:		
	CLEAN WATER LINE	F FAUCET
	GATE VALVE	NPWR NON-POTABLE WATER RISER
HB	HOSE BIBB	PWR POTABLE WATER RISER
KS	KITCHEN SINK	GV GATE VALVE
		S SHOWER

TOTAL FLOOR AREA = 1,557.60 sq.m.

8th FLOOR



SANITARY PLANS



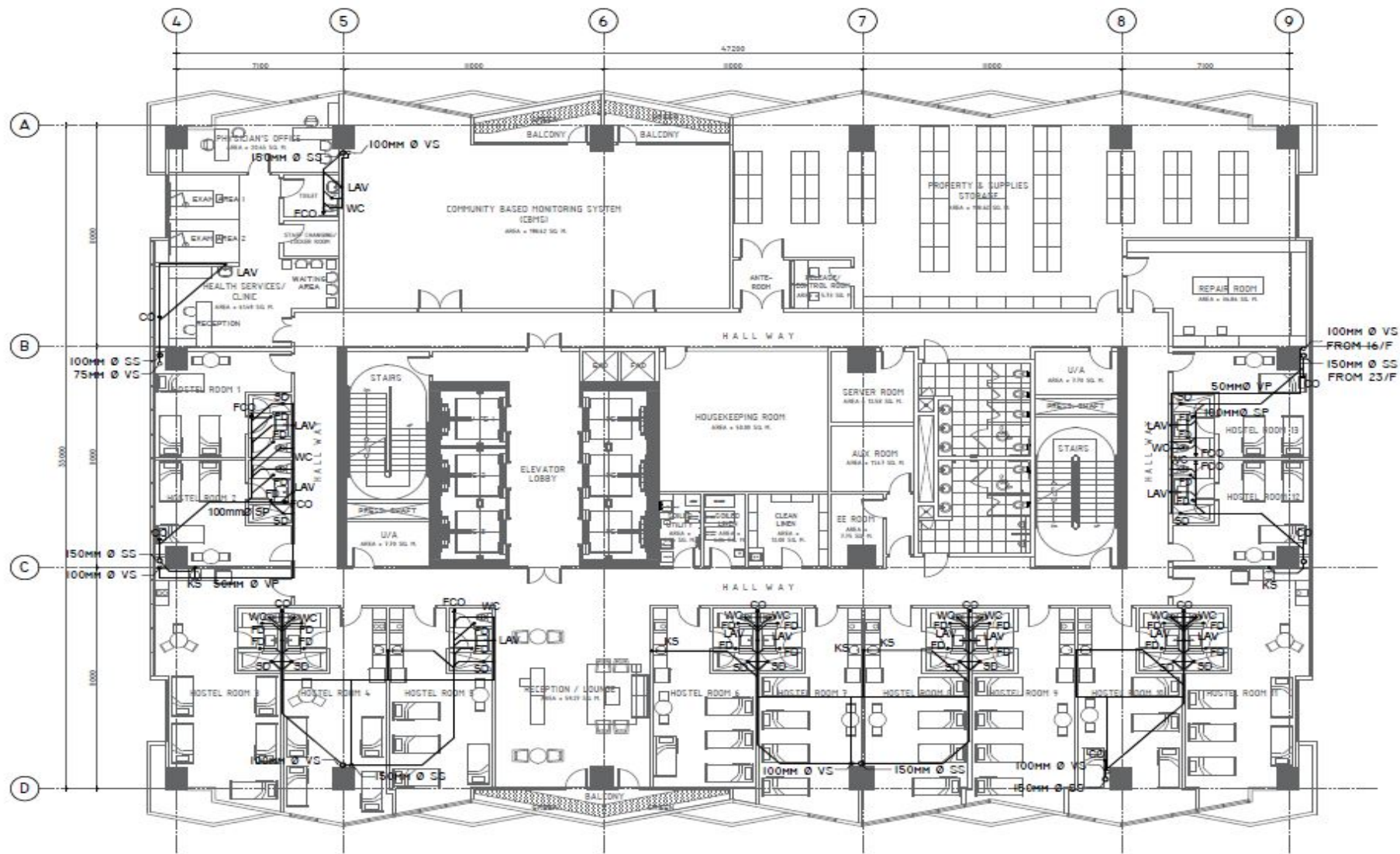
SEWER LINE LAYOUT  
SCALE: 1:100MTS

PLUMBING LEGEND:		
	WASTE WATER LINE	SS SOIL STACK
	VENT PIPE	SD SHOWER DRAIN
	FLOOR DRAIN	WC WATER CLOSET
	FLOOR CLEAN OUT	VS VENT STACK
		KS KITCHEN SINK
		LAV LAVATORY
		FD FLOOR DRAIN
		SP SOIL PIPE
		VP VENT PIPE
		DD DECK DRAIN

TOTAL FLOOR AREA = 1,557.60 sq.m.  
7th FLOOR



SANITARY PLANS



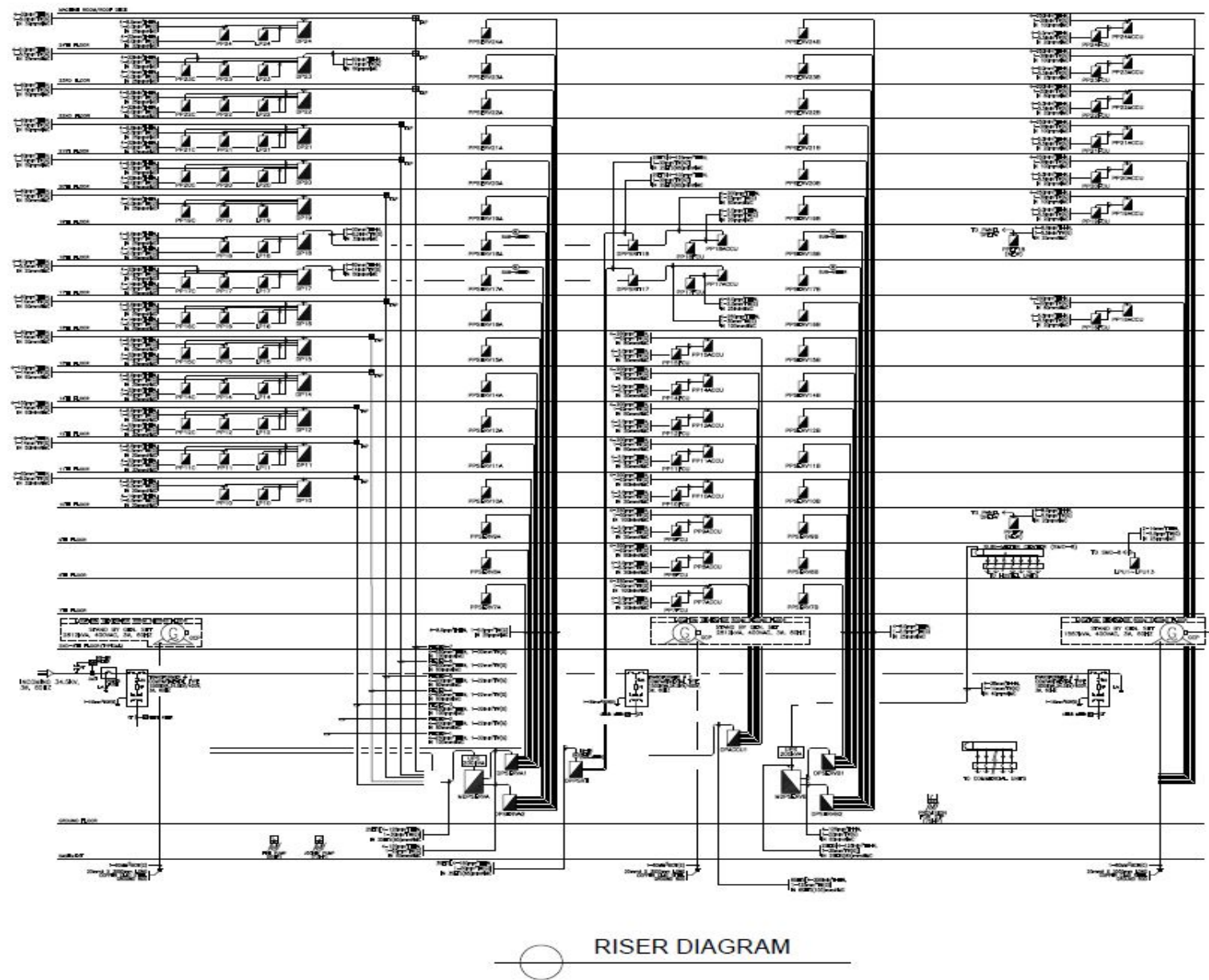
SEWER LINE LAYOUT

SCALE: 1:100MTS

PLUMBING LEGEND:		
	WASTE WATER LINE	SS SOIL STACK
	VENT PIPE	SD SHOWER DRAIN
	FLOOR DRAIN	WC WATER CLOSET
	FLOOR CLEAN OUT	VS VENT STACK
		KS KITCHEN SINK
		LAV LAVATORY
		FD FLOOR DRAIN
		SP SOIL PIPE
		VP VENT PIPE
		DD DECK DRAIN

TOTAL FLOOR AREA = 1,557.60 sq.m.  
8th FLOOR

## ELECTRICAL PLANS





ELECTRICAL PLANS

NOTES:

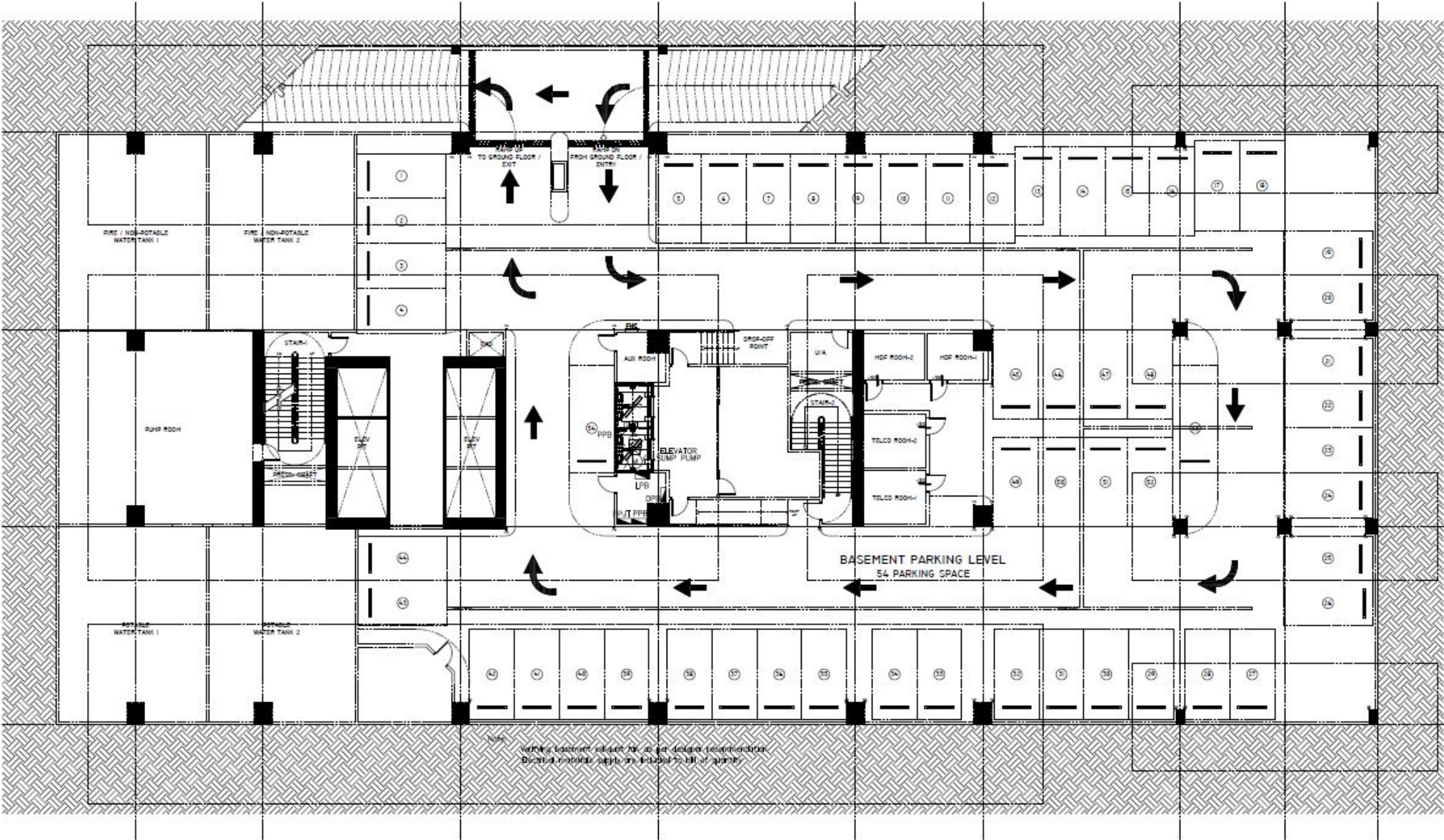
- 1) THE TRANSFORMER VAULT SHALL MEET THE REQUIREMENTS OF PEC PART1. THE WALLS, ROOF AND FLOOR SHALL BE CONSTRUCTED OF 150MM THICK (MINIMUM) REINFORCED CONCRETE EXCEPT WHERE THE VAULT IS DIRECTLY ABOVE EARTH. THE FLOOR CAN BE CONSTRUCTED USING 100MM THICK REINFORCED CONCRETE.
- 2) THE TRANSFORMER VAULT SHALL HAVE DIRECT ACCESS FROM THE OUTSIDE OF THE BUILDING.
- 3) THE FLOOR SHALL BE ABLE TO SUPPORT THE WEIGHT OF THE LARGEST TRANSFORMER AND CONCRETE PAD IN CONSIDERATION FOR FUTURE LOAD UPGRADE. THE APPROXIMATE WEIGHT OF THE LARGEST PADMOUNTED TRANSFORMER IS 8,000 KG.
- 4) THE PADMOUNTED TRANSFORMER SHALL BE PROVIDED WITH A CONCRETE PAD 75MM IN HEIGHT AND AN INTEGRAL PULL BOX. THE CONCRET PAD SHALL SLOPE GRADUALLY DOWNWARDS TOWARDS THE TRANSFORMER ACCESS DOORWAY TO FACILITATE ROLLING OF THE EQUIPMENT.
- 5) PRIMARY AND SECONDARY CABLE DUCTS SHALL BE 110MM Ø, THICK WALLED, RED ORANGE COLOR, MADE OF UNPLASTICIZED PVC PER PNS 14 AND SHALL BE ENCASED IN CONCRETE. THE DIMENSION OF THE CONCRETE ENVELOP FOR THE SECONDARY DUCTS SHALL DEPEND ON THE NUMBER OF DUCTS INSTALLED, REFER TO UNDERGROUND CONSTRUCTIVE UNIT DRAWING CODES P-FP02, P-FP03, P-FP04, P-FP05, P-FP06 AND P-FP07. AS A RULE, SEPARATION BETWEEN DUCTS SHALL BE 50MM. THE THICKNESS OF CONCRETE ENVELOPE FROM THE SURFACE OF THE DUCTS SHALL BE 75MM. SPECIFY CONSTRUCTIVE UNIT WITH MORE THAN THE REQUIRED DUCTS TO CONSIDER FUTURE LOAD UPGRADE.
- 6) THE FF. EQUIPMENT AND MATERIALS IN THE TRANSFORMER VAULT SHALL BE PROVIDED AND INSTALLED BY MERALCO, i.e., TRANSFORMER, PRIMARY CABLES, SECONDARY CABLES FROM THE TRANSFORMER TO THE CUSTOMER'S MAIN CIRCUIT BREAKER AND METERING FACILITIES. ALL OTHERS SHALL BE SUPPLIED AND INSTALLED BY THE CUSTOMER.
- 7) TOTAL GROUND RESISTANCE SHALL BE NOT MORE THAN 5 OHM ALL GROUNDING CONNECTIONS/TAPS SHALL BE THROUGH THE USE OF GROUND CLAMPS OR SHALL BE BRAZED.
- 8) DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.

LEGEND:

- T** TRANSFORMER: PADMOUNTED, COMPARTMENTAL TYPE, DEAD FRONT, 3 PHASE, 60 HERTZ, LESS-FLAMMABLE LIQUID-FILLED; CURRENT LIMITING FUSES; EQUIPPED WITH PRESSURE RELIEF DEVICE, EXPULSION FUSES AND BUILT IN ACCORDANCE WITH ANSI C57.12.26, LATEST REVISION.
- TA** TRANSFORMER ACCESS DOOR: 150MM HIGH DOOR SILL FOR EQUIPMENT IN AND OUT ACCESS. THE DOORS SHALL BE LOUVERED AT THE LOWER HALF AND SHALL BE FITTED WITH A LATCH DEVICE FOR ELECTRIC UTILITY PADLOCK.
- DS** DANGER SIGN: TO BE PAINTED AND/OR POSTED AT THE STEEL DOOR.
- EF** EXHAUST FAN WITH VENTILATION SHAFT: FOR FORCED AIR VENTILATION; TEMPERATURE-CONTROLLED (ON-40°C, OFF-36°C); DIRECT DRIVEN BY TOTALLY ENCLOSED MOTOR WITH GRAVITY TYPE DAMPERS. THE FAN SHALL BE RATED 3/4HP, 71 CU.M/MIN (2500CFM) @ 3.2MM (1/8 IN) STATIC PRESSURE. A BY-PASS SWITCH TO CHECK FAN OPERATOR SHALL BE PROVIDED BESIDE THE LIGHTING SWITCHES. PROVIDE THERMAL SWITCH FOR EXHAUST FAN.
- ED** EXHAUST DUCT: MADE OF G.I. SHEET, GAGE 20
- DW** DOORWAY: FOR PERSONNEL ACCESS FROM THE OUTSIDE OF THE BUILDING; 0.8M WIDE x 2.0M HIGH x 3.2MM THICK STEEL DOOR; OUTWARD SWING WITH 150MM HIGH DOOR SILL. THE DOOR SHALL BE LIFTED WITH A LATCH DEVICE FOR ELECTRIC UTILITY PADLOCK. THE LATCH SHALL BE PLACED OUTSIDE THE TRANSFORMER VAULT.
- DS** DANGER SIGN: TO BE PAINTED AND/OR POSTED AT THE STEEL DOORWAY.
- GR** GROUND ROD: GALVANIZED STEEL ROD, SIZE 25 MMØ X 3 M LONG, OR EQUIVALENT.
- GW** GROUND WIRE: SIZE 100mm<sup>2</sup> (AWG#4/0) BARE, STRANDED, SOFT-ANNEALED COPPER, CONNECTING THE TRANSFORMER NEUTRAL TO THE GROUND LEAD INSIDE THE TRANSFORMER VAULT.
- GL** GROUND LEAD: SIZE 100mm<sup>2</sup> (AWG#4/0) BARE, STRANDED, SOFT-ANNEALED COPPER, FROM GROUND ROD TO GROUNDING SYSTEM INSIDE THE TRANSFORMER VAULT.
- CP** CONCRETE PAD: 75MM HIGH.
- BE** BOLT-EYE: GALVANIZED STEEL, AT LEAST 10,000KG STRENGTH; ANCHORED ON THE WALL 1000MM HIGH.
- FD** FLOOR DRAIN: FOR DRAINAGE OF ANY ACCUMULATION OF WATER IN THE TRANSFORMER VAULT; 200 SQUARE X 100MM DEEP TRAPPED DRAIN WITH STRAINER AND 50MMØ DRAIN PIPE CONNECTED TO A POSITIVE DRAINAGE SYSTEM OR SUMP FACILITIES. THE FLOOR DRAIN SHALL BE LOCATED WHERE IT SHALL BE VISIBLE AND SAFELY ACCESSIBLE FROM THE DOORWAY. THE FLOOR SHALL BE PITCHED TOWARD THE DRAIN.

- NOTES:
- 1.) VERIFY EXACT LOCATION OF EXISTING POWER & COMMUNICATION POLE (PLEASE COORDINATE WITH MERALCO ENGINEER FOR POWER SUPPLY AND FOR COMMUNICATION, PLEASE COORDINATE TO TELEPHONE & CATV SERVICE PROVIDER)
  - 2.) PLEASE COORDINATE WITH MERALCO ENGINEER REGARDING PRIMARY METERING AND PRIMARY PROTECTION PRIOR TO INSTALLATION.

ELECTRICAL PLANS

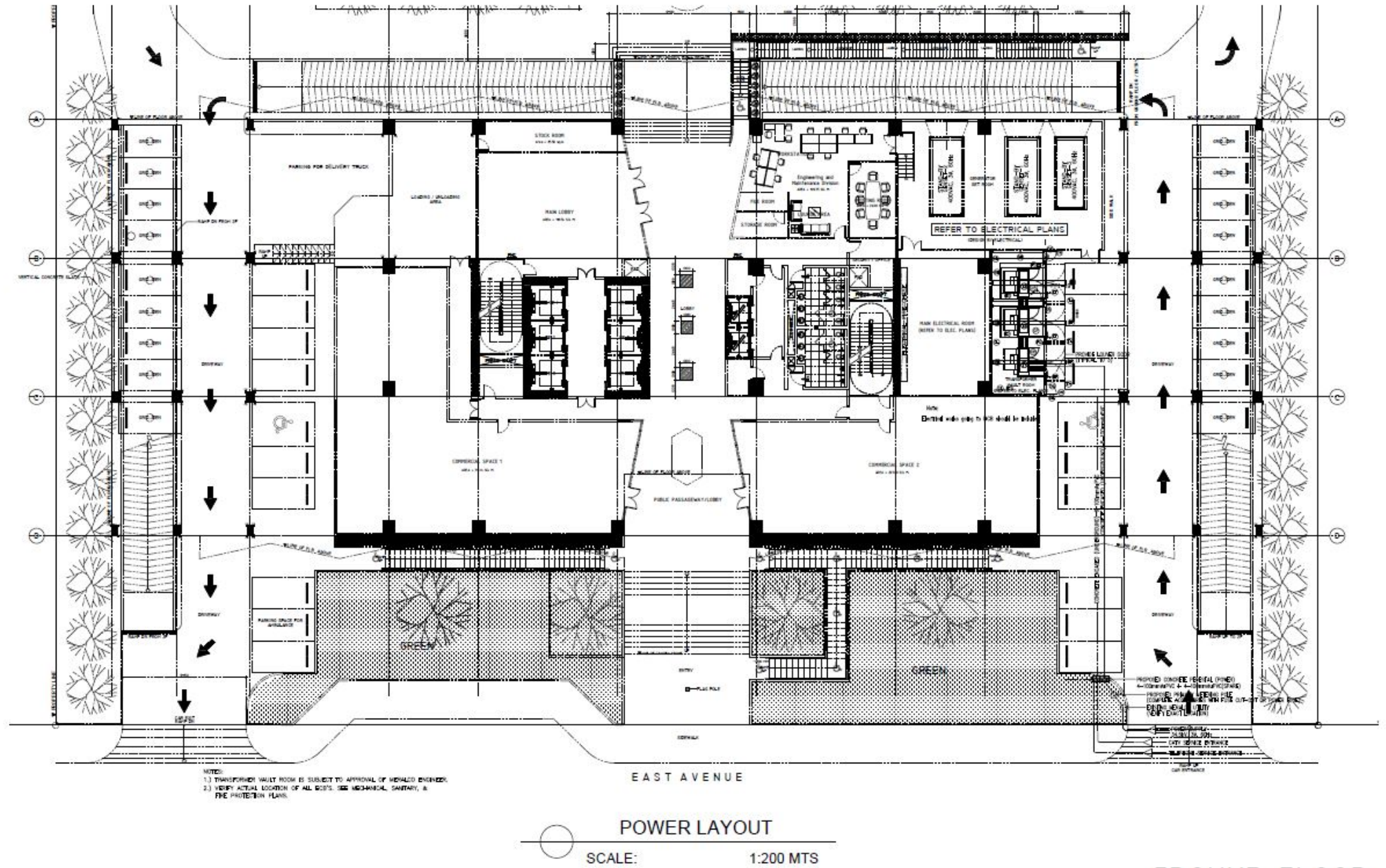


POWER LAYOUT  
SCALE: 1:200 MTS

BASEMENT FLOOR

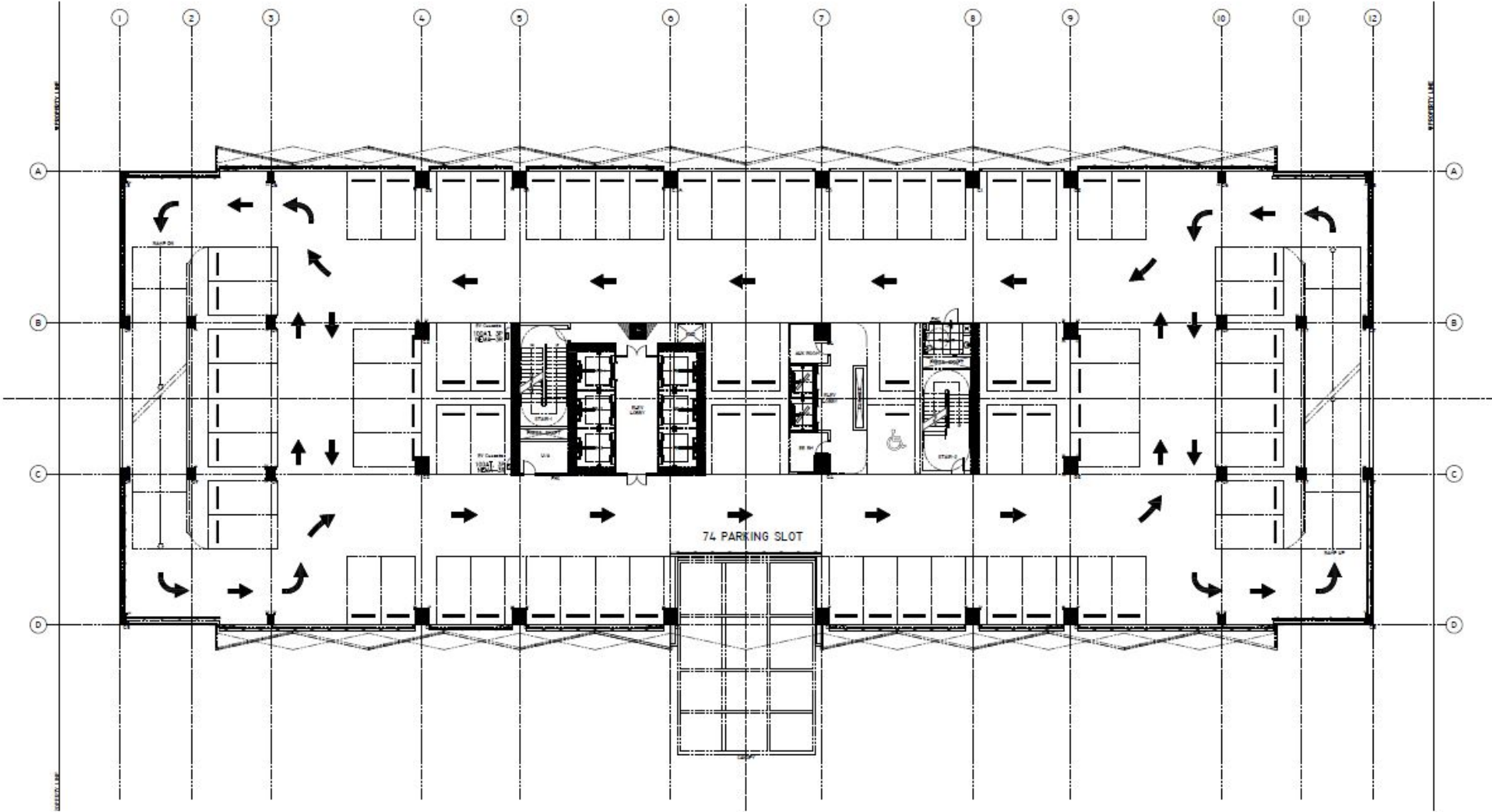


## ELECTRICAL PLANS



GROUND FLOOR

ELECTRICAL PLANS

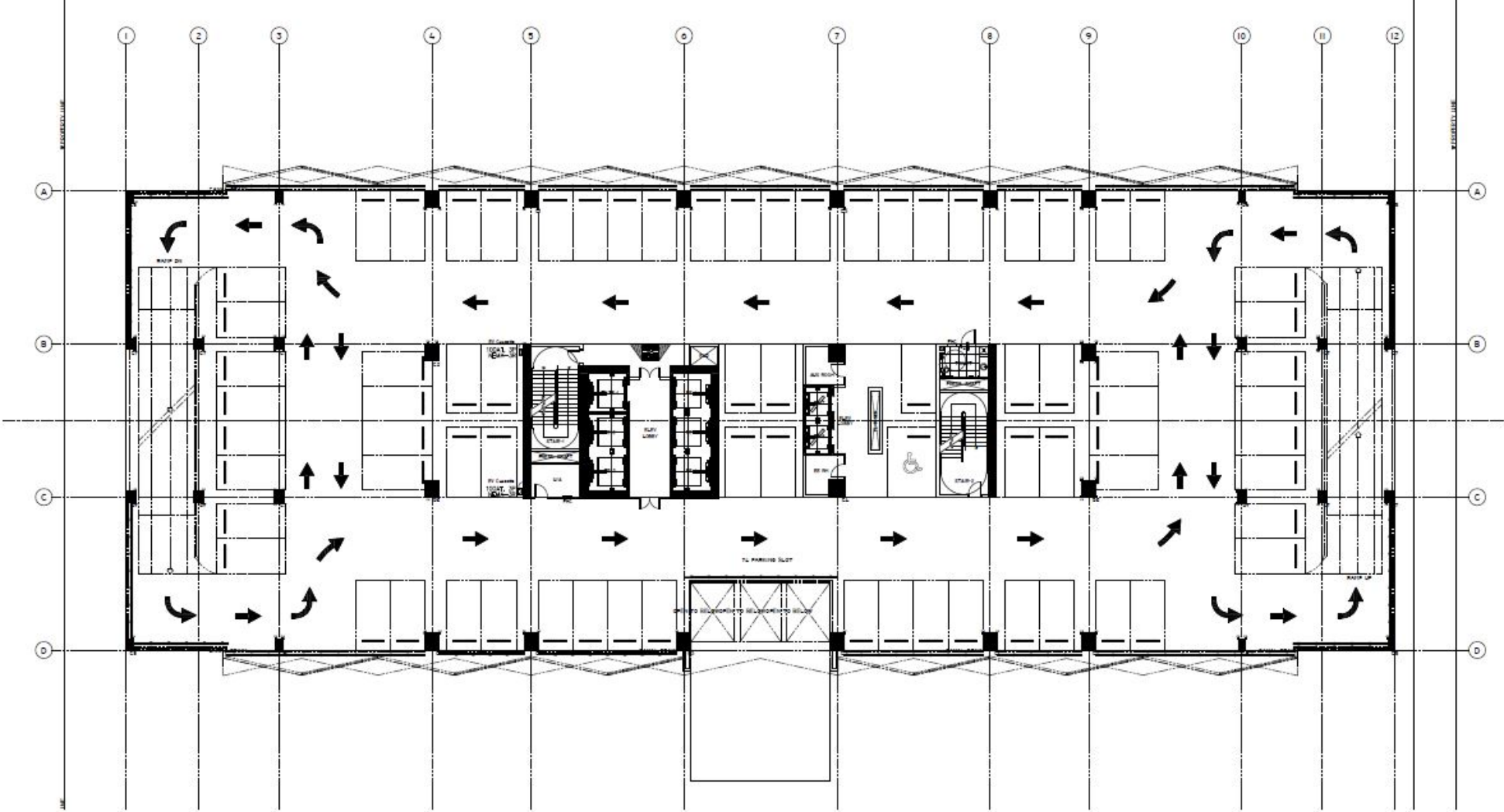


POWER LAYOUT  
SCALE: 1:200 MTS

2ND FLOOR



ELECTRICAL PLANS



POWER LAYOUT  
SCALE: 1:200 MTS

3RD FLOOR