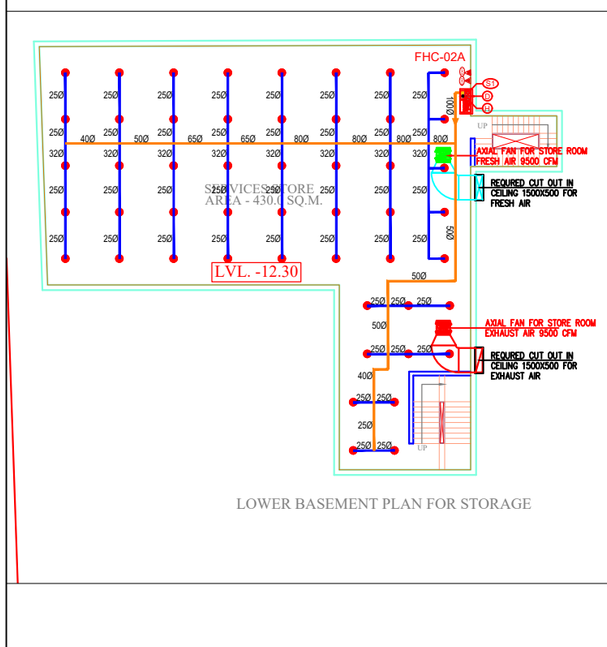
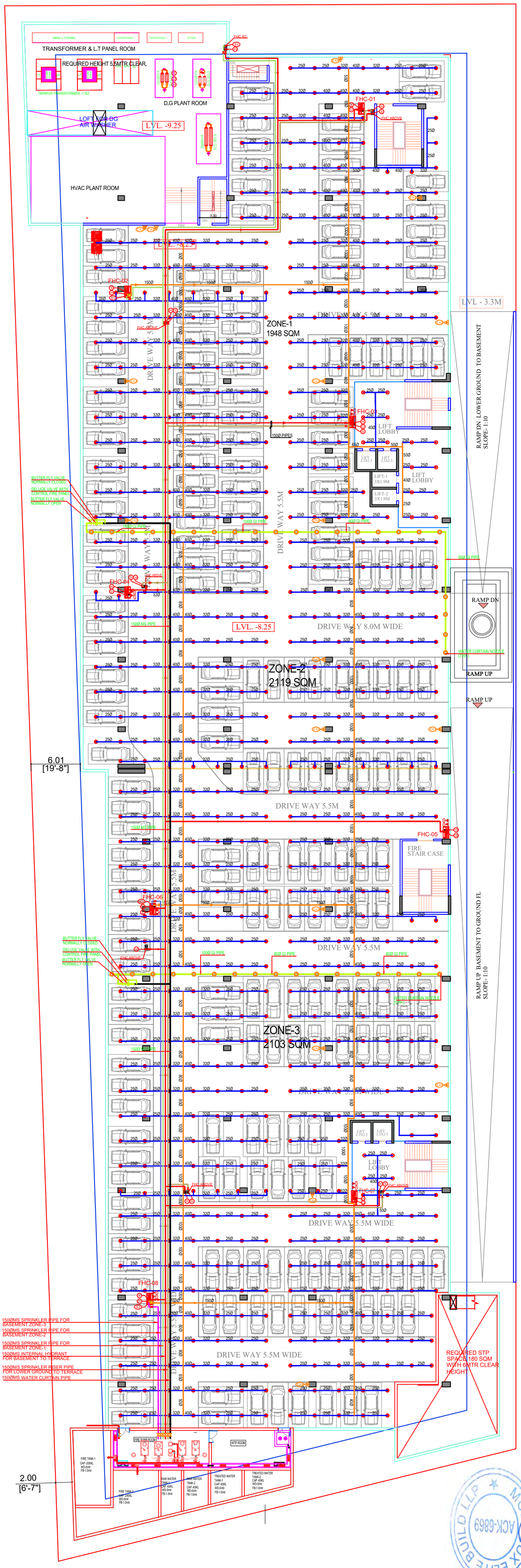


LOWER BASEMENT PLAN FOR STORAGE



FIRE PUMP DETAIL

S.NO.	TAG NO.	CAPACITY	HEAD
DP	DIESEL ENGINE	2850 LPM	80MTR.
HP	HYDRANT PUMP	2850 LPM	80MTR.
SP	SPRINKLER PUMP	2850LPM	80MTR.
J1	JOCKEY PUMP FOR HYDRANT	180 LPM	80MTR.
J2	JOCKEY PUMP FOR SPRINKLER	180 LPM	80MTR.
WC	WATER CURTAIN PUMP	4500 LPM	50MTR.
AV	AIR VESSEL		
FP	FIRE ELECTRIC PANEL		

LEGEND: –

LEGENDS :	
SYMBOL	DESCRIPTION
	PENDENT TYPE SPRINKLER
	UP-RIGHT TYPE SPRINKLER
	20Ø QUICK RESPONSE SPRINKLER FOR DOUBLE HEIGHT AREA (TYP.)
	SIDE WALL TYPE SPRINKLER HEAD
E	EXTENDED TYPE SIDEWALL SPRINKLER HEAD
F.H.C.	FIRE HOSE CABINET
S	150Ø MS FIRE SPRINKLER RISER FOR UPPER GROUND TO TERRACE
S1	150Ø MS FIRE SPRINKLER RISER FOR BASEMENT ZONE-1
S2	150Ø MS FIRE SPRINKLER RISER FOR BASEMENT ZONE-2
S3	150Ø MS FIRE SPRINKLER RISER FOR BASEMENT ZONE-3
H	100Ø MS FIRE HYDRANT RISER PIPE
D	50Ø MS DRAIN PIPE

FHC FIRE HOSE CABINET (RECESSED TYPE) CONSISTING:

1. Every FHC shall be consisting of as per IS the following
   - (a) 63mm dia. single headed Hydrant Valve.
   - (b) 2nos. 63mm dia. 15mts long RL. Hose reel.
   - (c) 20mm dia 36.5mt first aid hose reel with 5mm bore nozzle.
   - (d) 63mm dia. male and female INST type coupling.
   - (e) 20mm dia. branch pipe with 20mm. nozzle.

SIZE OF SPRINKLER PIPE

S.NO.	PIPE NOMINAL BORE (mm)	No. OF SPRINKLERS
1.	25Ø	1-2
2.	32Ø	3
3.	40Ø	4-5
4.	50Ø	6-10
5.	65Ø	11-20
6.	80Ø	21-40
7.	100Ø	41-100
8.	150Ø	101 & ABOVE

LEGEND FOR FIRE EXTINGUISHERS

No.	SYMBOL	DESCRIPTION
1	EX1	CARBON DIOXIDE TYPE(CAP.-4.5kg) AS PER I.S.15683 EXTINGUISHER
2	EX2	WATER GAS PRESSURE TYPE(CAP.-9liters) AS PER I.S.15683 EXTINGUISHER
3	EX3	ABC(POWDER TYPE) EXTINGUISHER (CAP.-4.5kg) AS PER I.S.15683 EXTINGUISHER
4	EX4	DRY CHEMICAL POWDER TYPE EXTINGUISHER (CAP.-4kg)AS PER I.S.15683 EXTINGUISHER

LEGEND: –

S.No.	DESCRIPTION	SYMBOLS
01.	SMOKE DETECTOR	S
02.	HEAT DETECTOR	H
03.	SMOKE DETECTOR WITH RESPONSE INDICATOR ABOVE FALSE CEINIG	S RI
04.	HOOTER	
05.	MANUAL CALL BOX	MCB
06.	FAULT ISOLATOR	FI
07.	CONTROL MODULE FOR AHU	C.M
08.	MONITORING MODULE FOR FLOW SWITCH	MM
09.	CEILING MOUNTED SPEAKER	PA
10.	WALL MOUNTED SPEAKER	SP
11.	FIRE ALARM LOOP	
12.	SPEAKER LOOP	
13.	END OF LINE RESISTOR	
14.	CCTV	
15.	TELEPHONE POINT FOR TALK BACK SYSTEM	

DATE	NO.	ISSUED TO	FOR
	-		
	-		

ISSUES

DATE	REV. NO.	DESCRIPTION

REVISIONS

CLIENT

PROJECT

"THE HIVE" ON COMMERCIAL BLOCK-L AT ANAND VIHAR SCHEME HAPUR.

ARCHITECTS

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FIRE FIGHTING & ELECTRICAL DRAWING

TITLE :

LOWER & UPPER BASEMENT PLAN
FIRE FIGHTING & ELECTRICAL LAYOUT

DEALT BY: P.K	APPROVED BY:
CHKD BY: D.SINGH	PROJECT NO.
SCALE: 1:250	DATE: 24.12.2025

SIGN :
- ■ FOR SUBMISSION
- ☐ FOR INFORMATION
- ☐ FOR EXECUTION
- ☐ FOR APPROVAL
- ☐ FOR GFC

DRAWING NO.: FF-01
RIVISION: R0
NORTH

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SIZE A1