ROAD 24 M WIDE

ROAD 45 M WIDE

ROAD 18 M WIDE

150Ø FIRE EXTERNAL PIPE

4WAY(150Ø) FIRE BRIGADE INLET CONNECTION (TANK FILLING)

2WAY(100Ø) FIRE BRIGADE DRAW OUT CONNECTION

FIRE WATER TANK-1 CAP. -130KL (W.D-3.05M) AREA-43 SQMTR.

FIRE WATER TANK-2 CAP. -130KL (W.D-3.05M) AREA-43 SQMTR.

UNDER GROUND WATER TANK AS/MEP CONSULTANT

FIRE PLANT ROOM

F.S-01

150Ø FIRE SPRINKLER PIPE (BASEMENT-1) RUNNING AT B1 CEILING UP FROM FIRE PUMP ROOM

150Ø FIRE EXTERNAL PIPE RUNNING AT B1 CEILING

150Ø FIRE EXTERNAL PIPE RUNNING AT B1 CEILING

80Ø WATER CURTAIN PIPE RUNNING AT B1 CEILING UP FROM FIRE PUMP ROOM

RAMP DN FROM GROUND LVL

RAMP UP TO GROUND LVL

RAMP SLOPE 1:8

RAMP UP FROM MIDDLE BASEMENT

RAMP DN MIDDLE BASEMENT

3.76 M WIDE DRIVE WAY

7.81 M WIDE DRIVE WAY

7.30 M WIDE DRIVE WAY

6.00 M WIDE DRIVE WAY

5.50 M WIDE DRIVE WAY

SERVICE LOBBY 3.79X2.77

SERVICE LIFT 2.00X3.00

ELECTRIC ROOM 4.53X3.06

LIFT 2.00X2.00

2.36 MT. WIDE LOBBY

W=1.50 MT. I = 0.30 MT. R = 0.15 MT.

EXISTING CAR PARKING

RAW WATER TANK-1 CAP.-65KL (W.D-3.05M) AREA-21 SQMTR.

RAW WATER TANK-2 CAP.-65KL (W.D-3.05M) AREA-21 SQMTR.

DOM. WATER TANK-1 CAP.-65KL (W.D-3.05M) AREA-21 SQMTR.

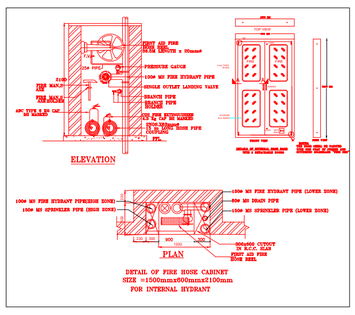
DOM. WATER TANK-2 CAP.-65KL (W.D-3.05M) AREA-21 SQMTR.

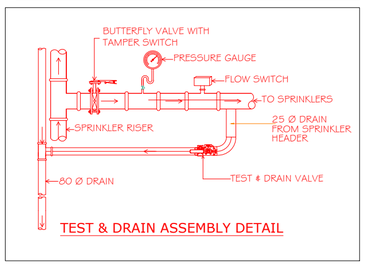
PLUMBING PLANT ROOM

STP AS/MEP CONSULTANT

FIRE FIGHTING LEGEND:-

A	100Ø FIRE HYDRANT PIPE (LOWER ZONE)
B	80Ø DRAIN PIPE
C	150Ø SPRINKLER PIPE(LOWER ZONE)
D	100Ø FIRE HYDRANT PIPE (HIGH ZONE)
E	150Ø SPRINKLER PIPE (HIGH ZONE)
	PENDENT SPRINKLER (68°C) QUICK RESPONSE
	UP RIGHT SPRINKLER (68°C) QUICK RESPONSE
	SIDE WALL SPRINKLER (68°C) QUICK RESPONSE
	ABC FIRE EXTINGUISHER 6.0 Kg CAP ISI MARKED
	WATER CO2 FIRE EXTINGUISHER 9LTR CAP ISI MARKED
FHC	FIRE HOSE CABINET





TEST & DRAIN ASSEMBLY DETAIL

SINGLE SPRINKLER PIPE SIZE CHART		
SR	SPRINKLER NO	PIPE SIZE(MM)
(1)	1-2	25Ø
(2)	3	32Ø
(3)	4-5	40Ø
(4)	6-10	50Ø
(5)	11-30	65Ø
(6)	31-60	80Ø
(7)	61-100	100Ø
(8)	100-ABOVE	150Ø

RERA SUBMISSION

NO.	AMENDMENTS	DATE

PROJECT:

PROPOSED GROUP HOUSING AT PLOT NO.- GH-2, AT INDUSTRIAL AREA SITAPURA, PH-III , JAIPUR

ARCHITECT:

ideas ARCHITECTURE | URBAN PLANNING | INTERIORS

124, HIMMAT NAGAR , TONK ROAD, JAIPUR
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email: ideasjaipur@gmail.com, web: www.ideasjaipur.com

MEP CONSULTANTS :

M. J. ENGINEERING CONSULTANTS PVT. LTD.
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M.J. Engineering Consultants Private Limited 606, Madhuban Building 55, Nehru Place New Delhi-19

Drawing Title: FIRE FIGHTING LAYOUT UPPER BASEMENT PLAN

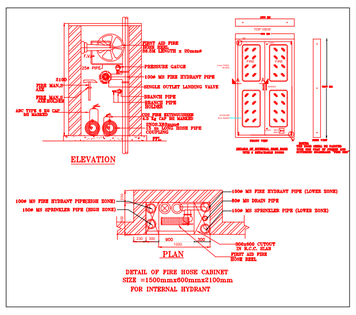
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Drawn by	JAGSEER	Checked by	A.K
Date	29.06.2026	Approved by	A.K
Drawing no.	FF-03	Revision	R0

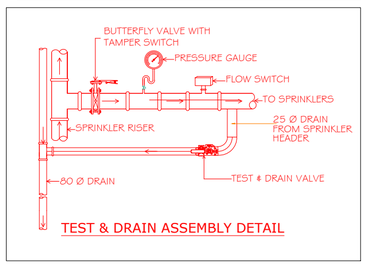
UPPER BASEMENT FLOOR PLAN

PUMP DETAILS:-

S.NO.	DESCRIPTION	PUMP & EQUIPMENT IDENTIFICATION NO.	QTY.	FLOW RATE	PUMPING HEAD (M)
01	DIESEL DRIVEN FIRE PUMP	D.P	1NO.	2850 LPM	100
02.	ELECTRICAL DRIVEN HYDRANT PUMP	H.P	1NO.	2850 LPM	100
03.	ELECTRICAL DRIVEN HYDRANT JOCKEY PUMP	H.J.P	1NO	180 LPM	100
04.	ELECTRICAL DRIVEN SPRINKLER PUMP	SP	1NO	2850 LPM	100
05.	ELECTRICAL DRIVEN SPRINKLER JOCKEY PUMP	S.J.P	1NO	180 LPM	100
06.	ELECTRICAL DRIVEN WATER CURTAIN PUMP	W.C.P	1NO	1620 LPM	45
07.	AIR VESSEL	AV	3NO.		

FIRE FIGHTING LEGEND:-	
A	100Ø FIRE HYDRANT PIPE (LOWER ZONE)
B	80Ø DRAIN PIPE
C	150Ø SPRINKLER PIPE(LOWER ZONE)
D	100Ø FIRE HYDRANT PIPE (HIGH ZONE)
E	150Ø SPRINKLER PIPE (HIGH ZONE)
	PENDENT SPRINKLER (68°C) QUICK RESPONSE
	UP RIGHT SPRINKLER (68°C) QUICK RESPONSE
	SIDE WALL SPRINKLER (68°C) QUICK RESPONSE
	ABC FIRE EXTINGUISHER 6.0 Kg CAP ISI MARKED
	WATER CO2 FIRE EXTINGUISHER 9LTR CAP ISI MARKED
FHC	FIRE HOSE CABINET





TEST & DRAIN ASSEMBLY DETAIL

SINGLE SPRINKLER PIPE SIZE CHART		
SR	SPRINKLER NO	PIPE SIZE(MM)
(1)	1-2	25Ø
(2)	3	32Ø
(3)	4-5	40Ø
(4)	6-10	50Ø
(5)	11-30	65Ø
(6)	31-60	80Ø
(7)	61-100	100Ø
(8)	100-ABOVE	150Ø

ROAD 24 M WIDE

ROAD 45 M WIDE

ROAD 18 M WIDE

ROAD 18 M WIDE

FIRE WATER TANK-1 CAP. -130KL (W.D-3.05M) AREA-43 SQMTR.

FIRE WATER TANK-2 CAP. -130KL (W.D-3.05M) AREA-43 SQMTR.

UNDER GROUND WATER TANK AS/MEP CONSULTANT

FIRE PLANT ROOM

D.P | H.J.P | H.P | S.J.P | SP | W.C.P

ENTRY

F.S-01

F.S-02

RAMP DN FROM UPPER BASEMENT

RAMP UP TO UPPER BASEMENT

RAMP SLOPE 1:8

RAMP UP FROM LOWER BASEMENT

RAMP DN TO LOWER BASEMENT

5.77 M WIDE DRIVE WAY

7.81 M WIDE DRIVE WAY LVL. -8.30MT.

6.00 M WIDE DRIVE WAY LVL. -12.30M

6.00 M WIDE DRIVE WAY

6.00 M WIDE DRIVE WAY

6.00 M WIDE DRIVE WAY

6.00 M WIDE DRIVE WAY

5.50 M WIDE DRIVE WAY

SERVICE LIFT 2.00X3.00

ELECTRIC ROOM 1.53X3.06

SERVICE LOBBY 3.79X2.77

LIFT 2.00X2.00

2.36 MT. WIDE LOBBY

W=1.50 MT. I = 0.30 MT. R = 0.15 MT.

RAW WATER TANK-1 CAP.-65KL (W.D-3.05M) AREA-21 SQMTR.

RAW WATER TANK-2 CAP.-65KL (W.D-3.05M) AREA-21 SQMTR.

DOM. WATER TANK-1 CAP.-65KL (W.D-3.05M) AREA-21 SQMTR.

DOM. WATER TANK-2 CAP.-65KL (W.D-3.05M) AREA-21 SQMTR.

PLUMBING PLANT ROOM

ENTRY

STP PLANT AS/MEP CONSULTANT IN BASEMENT-2 & 3 CAP-250.KLD

150Ø FIRE SPRINKLER PIPE (BASEMENT-1,2&3)

150Ø FIRE SPRINKLER PIPE TO (HIGH ZONE)

150Ø FIRE SPRINKLER PIPE TO (LOWER ZONE)

150Ø FIRE HYDRANT PIPE TO (HIGH ZONE)

150Ø FIRE HYDRANT PIPE TO (LOWER ZONE)

80Ø WATER CURTAIN PIPE

FIRE PIPES RUNNING AT B2 CEILING

100Ø FIRE HYDRANT PIPE TO (HIGH ZONE)

100Ø FIRE HYDRANT PIPE TO (LOWER ZONE)

LOWER & MIDDLE BASEMENT FLOOR PLAN

RERA SUBMISSION

NO.	AMENDMENTS	DATE

PROJECT:

PROPOSED GROUP HOUSING AT PLOT NO.- GH-2, AT INDUSTRIAL AREA SITAPURA, PH-III , JAIPUR

ARCHITECT:

ideas ARCHITECTURE | URBAN PLANNING | INTERIORS

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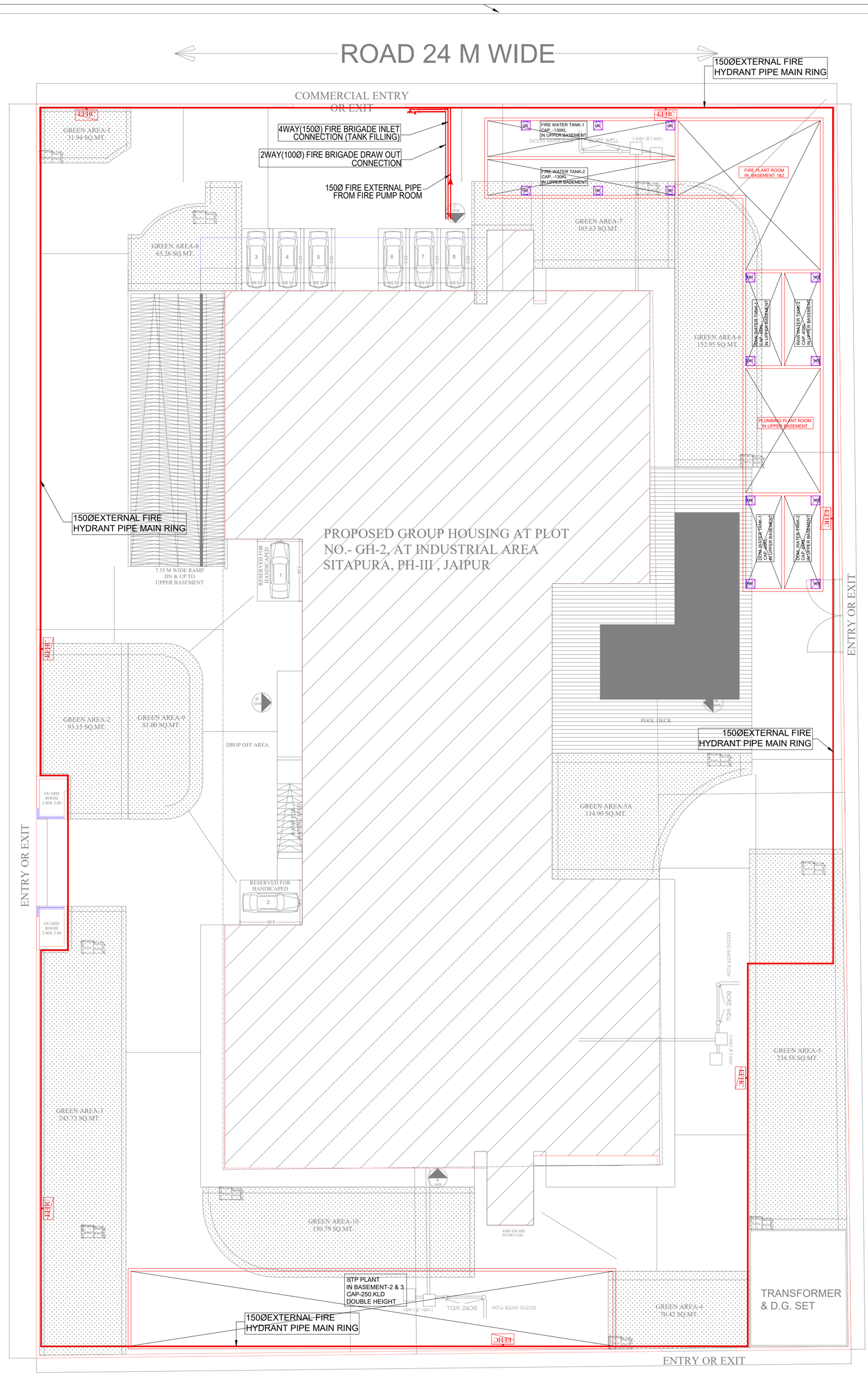
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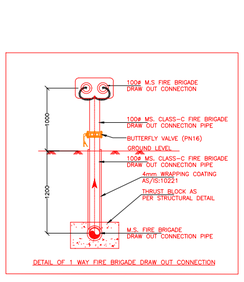
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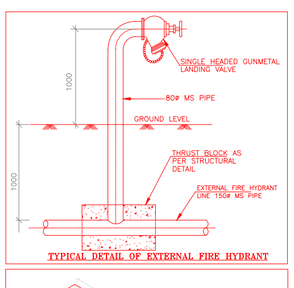
Drawing Title: FIRE FIGHTING LAYOUT LOWER & MIDDLE BASEMENT PLAN

Scale	1:175@A1	ARCH. DATE	28.05.2026
Drawn by	JAGSEER	Checked by	A.K
Date	29.06.2026	Approved by	A.K
Drawing no.	FF-01&02	Revision	R0

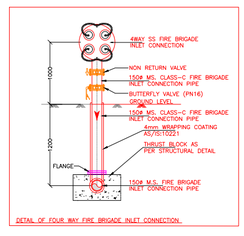




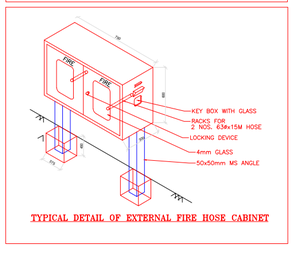
DETAIL OF 1 WAY FIRE BRIGADE DRAW OUT CONNECTION



TYPICAL DETAIL OF EXTERNAL FIRE HYDRANT



DETAIL OF FOUR WAY FIRE BRIGADE INLET CONNECTION.



TYPICAL DETAIL OF EXTERNAL FIRE HOSE CABINET

LEGEND FOR FIRE FIGHTING:

S.NO.	SYMBOL	DESCRIPTION
1.	EFH	750X600X300 EXTERNAL FIRE HYDRANT
2.		FOUR WAY FIRE BRIGADE INLET CONNECTION
3.		TWO WAY FIRE BRIGADE DRAW OUT CONNECTION
4.		NON-RETURN VALVE
5.		M.S FIRE RING MAIN (UNDER GROUND)
6.		M.S FIRE RING MAIN (RUNNING IN WALL)

RERA SUBMISSION

NO.	AMENDMENTS	DATE

PROJECT:

PROPOSED GROUP HOUSING AT PLOT NO.- GH-2, AT INDUSTRIAL AREA SITAPURA, PH-III , JAIPUR

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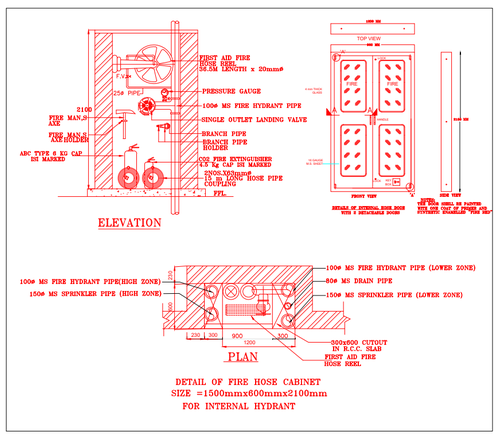
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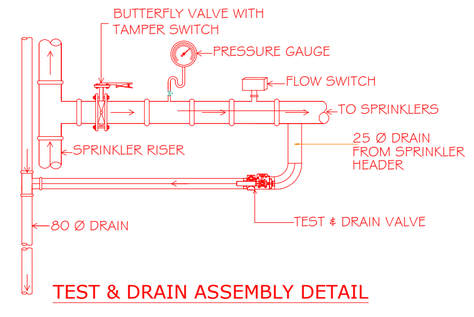
FIRE FIGHTING LAYOUT SITE PLAN

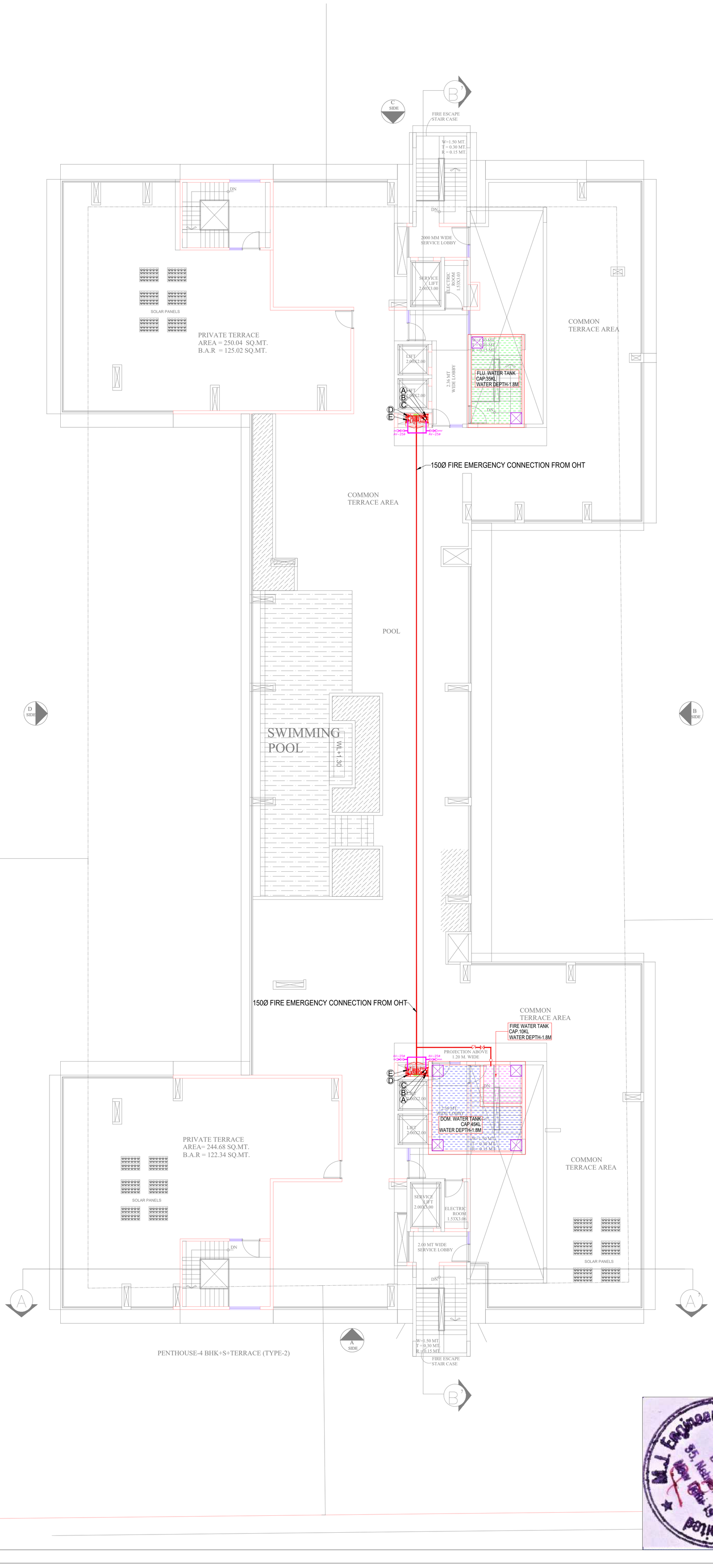
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Drawn by	JAGSEER	Checked by	A.K
Date	29.06.2026	Approved by	A.K
Drawing no.	FF-04-SITE	Revision	R0

FIRE FIGHTING LEGEND:-

A	100Ø FIRE HYDRANT PIPE (LOWER ZONE)
B	80Ø DRAIN PIPE
C	150Ø SPRINKLER PIPE(LOWER ZONE)
D	100Ø FIRE HYDRANT PIPE (HIGH ZONE)
E	150Ø SPRINKLER PIPE (HIGH ZONE)
	PENDENT SPRINKLER (68°C) QUICK RESPONSE
	UP RIGHT SPRINKLER (68°C) QUICK RESPONSE
	SIDE WALL SPRINKLER (68°C) QUICK RESPONSE
	ABC FIRE EXTINGUISHER 6.0 Kg CAP ISI MARKED
	WATER CO2 FIRE EXTINGUISHER 9LTR CAP ISI MARKED
FHC	FIRE HOSE CABINET







RERA SUBMISSION

NO.	AMENDMENTS	DATE

PROJECT:

PROPOSED GROUP HOUSING AT PLOT NO.- GH-2, AT INDUSTRIAL AREA SITAPURA, PH-III , JAIPUR

ARCHITECT:

ideas
ARCHITECTURE | URBAN PLANNING | INTERIORS

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MEP CONSULTANTS :

M. J. ENGINEERING CONSULTANTS PVT. LTD.

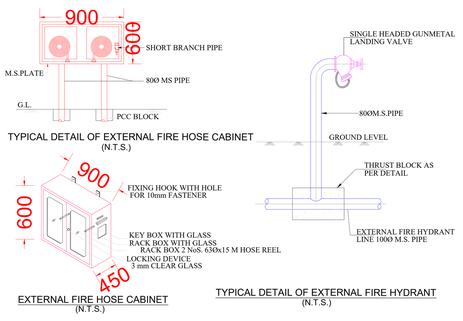
606, Madhuban Building,
55, Nehru Place, New Delhi - 110019
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Email :- mjecpl@gmail.com

Drawing Title:

FIRE FIGHTING LAYOUT TERRACE PLAN

Scale	1:175@A2	ARCH. DATE	28.05.2026
Drawn by	JAGSEER	Checked by	A.K
Date	29.06.2026	Approved by	A.K
Drawing no.	FF-09	Revision	R0

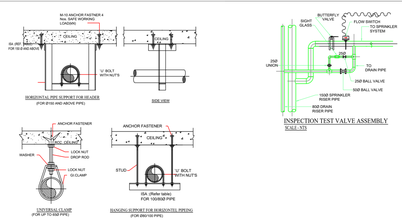
M.J. Engineering Consultants Private Limited 606, Madhuban Building 55, Nehru Place New Delhi-19

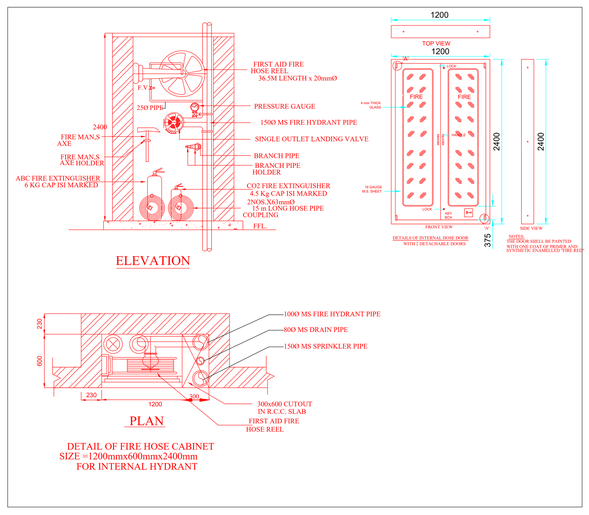


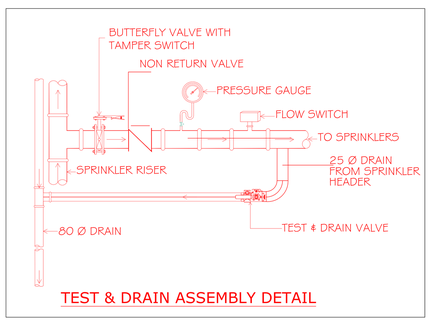
TYPICAL DETAIL OF EXTERNAL FIRE HOSE CABINET
(N.T.S.)

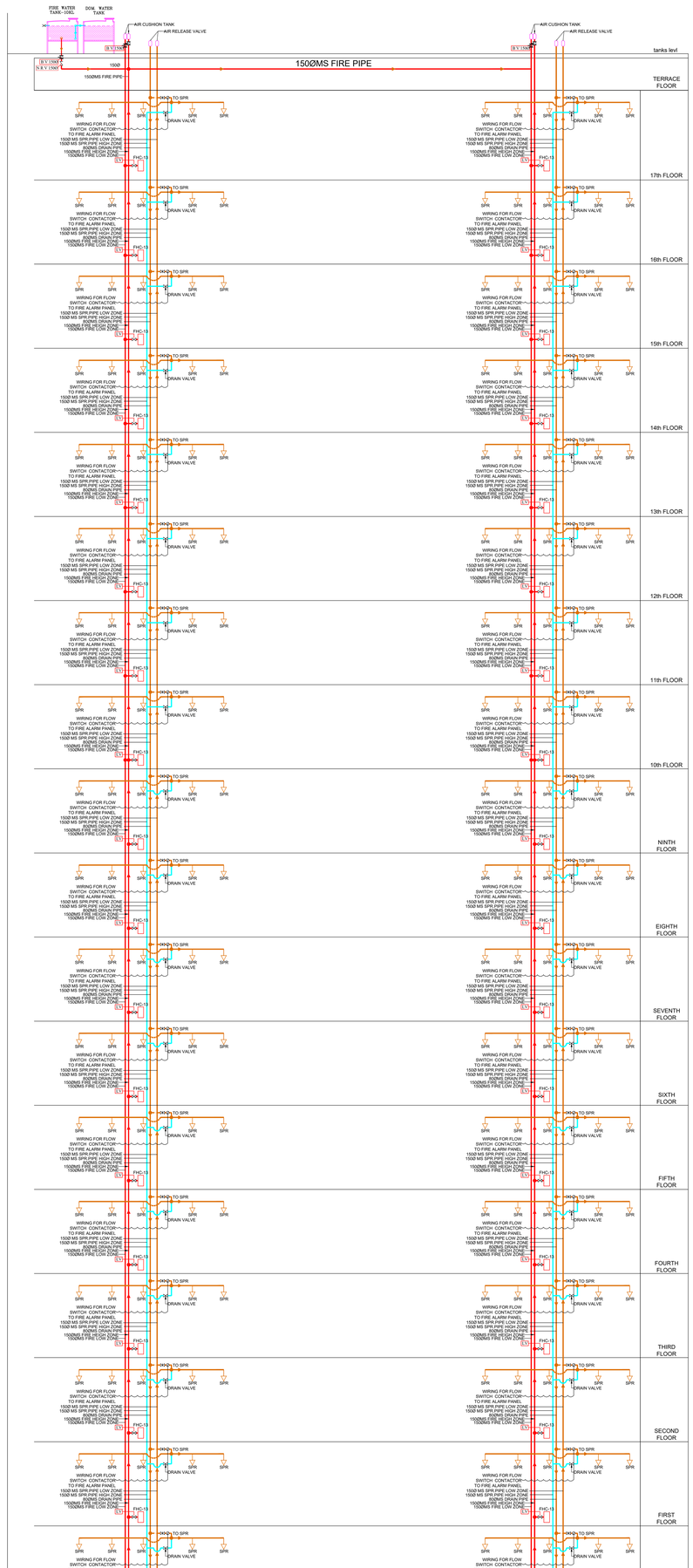
TYPICAL DETAIL OF EXTERNAL FIRE HYDRANT
(N.T.S.)

EXTERNAL FIRE HOSE CABINET
(N.T.S.)











RERA SUBMISSION

NO.	AMENDMENTS	DATE

PROJECT:

PROPOSED GROUP HOUSING AT PLOT NO.- GH-2, AT INDUSTRIAL AREA SITAPURA, PH-III , JAIPUR

ARCHITECT:

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Drawing Title:

FIRE FIGHTING SCHEMATIC DIAGRAM

Scale	1:175@A2	ARCH. DATE	28.05.2026
Drawn by	ABHIJEET	Checked by	A.K
Date	09.07.2026	Approved by	A.K
Drawing no.	FF-001	Revision	R0