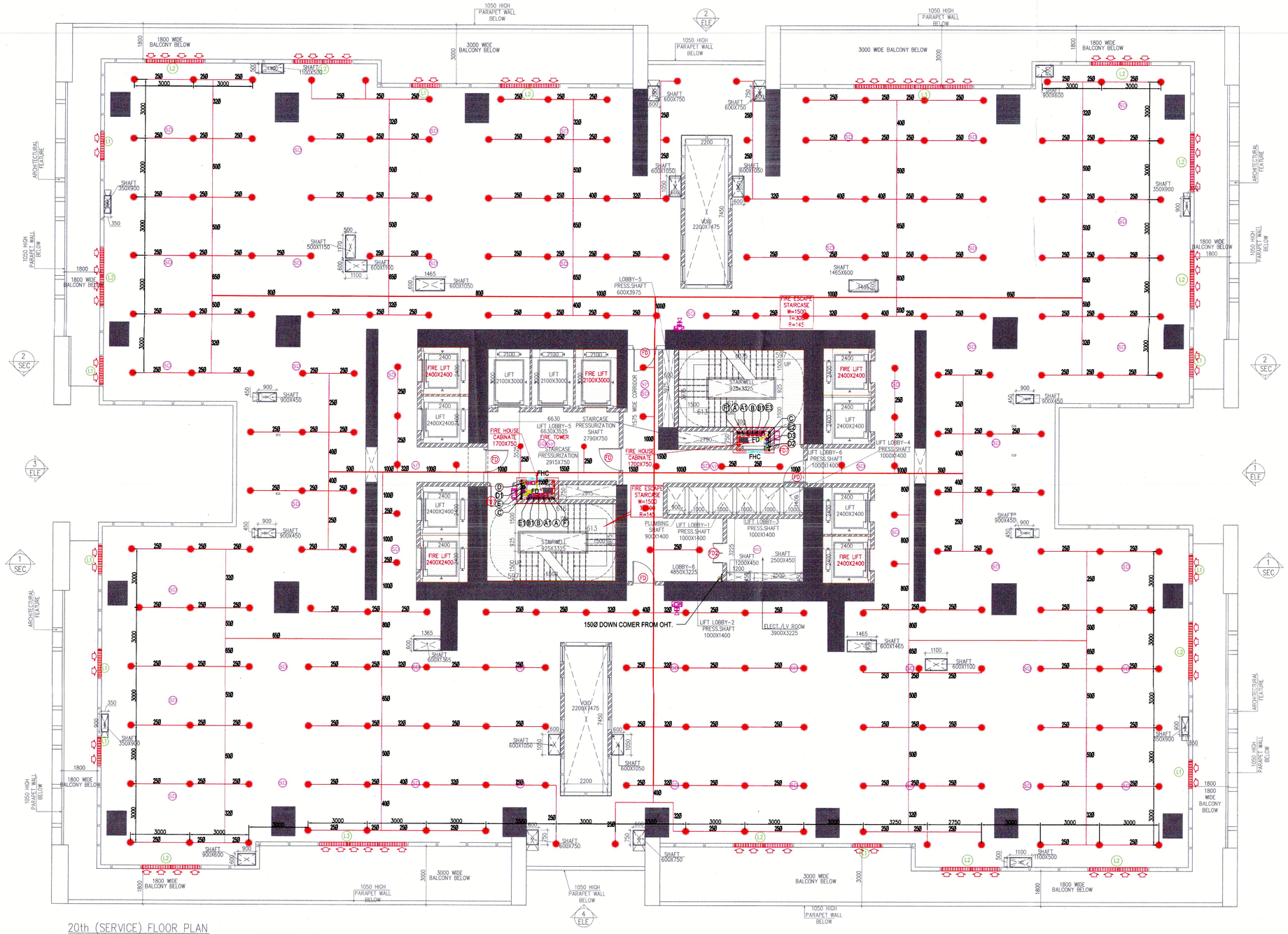

20th (SERVICE) FLOOR PLAN
(TOWER-EAST)
LVL+89150

Tower 4 To A Core _Typical Plan: Occupant Load Calculation

Gross Floor Area: 2078 Sq.mt.

Gross Occupant Load: 2078 /12.5 Pax = 166 Pax

Capacity factor: 10 mm width per person *(Ref. NBC Part 4, Table-4 Clause 4.4.2.3)*

Total Staircase width required: 1660 mm.

Total Staircase width provided: 3000mm (1250mm x 02)

Result: With the aspect of Occupancy calculation, the staircases as proposed will meet the over occupant load means of egress requirements.

Compliance Review:
Staircase handling capacity noted to meet overall occupant load exit requirements.

SCHEDULE OF JOINERY

ITEM NO	TAG	DETAILS	SIZE		LOCATION
			WIDTH	HEIGHT	
1	FD	120 MIN FIRE RATED HDF HARDWOOD DOOR	1100	2400	REFUGE ENTRY DOOR
2	FD1	60 MIN FIRE RATED HDF HARDWOOD DOOR	1200	2400	ALL MAIN ENTRY DOOR (REFUGE FLOOR)
3	FD2	60 MIN FIRE RATED HDF HARDWOOD DOOR	1200	2100	ELECTRIC SHAFT
4	FD 11	60 MIN FIRE RATED HDF HARDWOOD DOOR	1000	2100	SERVICE SHAFT
5	FD7	FIRE DOOR	1100	2400	STAIRCASE DOOR- PERFORATED DOOR
6	D	ALUMINIUM GLAZED DOOR	1200	2400	BALCONY DOOR
7	D1	HDF HARDWOOD DOOR	1200	2400	ENTRY DOOR
8	D2	HDF HARDWOOD DOOR	1000	2400	BEDROOM DOORS
9	D3	HDF HARDWOOD DOOR	850	2400	KITCHEN DOORS/TOILET DOOR
10	D4	HDF HARDWOOD DOOR	750	2400	UTILITY/BALCONY/TOILET DOORS
11	D5	SLIDING HDF HARDWOOD DOOR	650	2400	CARETAKER ROOM TOILET
12	D6	MS GLASS DOOR	900	2400	FHC's
13	D8	HDF HARDWOOD DOOR	1200	2400	MACHINE ROOM TERRACE
14	D9	HDF HARDWOOD DOOR	750	2100	PLUMBING SHAFT
15	D10	HDF HARDWOOD DOOR	1000	2400	HANDICAP TOILET (STILT)
16	D11	ALUMINIUM DOOR	1000	2400	KITCHEN DOOR (OPENING IN BALCONY)
17	D12	HDF HARDWOOD DOOR	800	2100	SHAFT DOOR
18	PD	60 MIN FIRE RATED HDF HARDWOOD DOOR	1000	2400	PRIVATE LIFT LOBBY
19	L1	LOUVRE	1500	2700	-
20	L2	LOUVRE	3000	2700	-
21	L3	LOUVRE	6000	2700	-

FIRE FIGHTING LEGEND:-	
(A)	150Ø FIRE RISER FOR LOW ZONE-01
(A1)	150Ø FIRE RISER FOR LOW ZONE-02
(B)	150Ø FIRE RISER FOR MID ZONE-01
(B1)	150Ø FIRE RISER FOR MID ZONE-02
(C)	80Ø DRAIN PIPE
(D)	150Ø SPRINKLER RISER FOR LOW ZONE-01
(D1)	150Ø SPRINKLER RISER FOR LOW ZONE-02
(E)	150Ø SPRINKLER RISER FOR MID ZONE-01
(E1)	150Ø SPRINKLER RISER FOR MID ZONE-02
(D2)	150Ø STANDBY SPRINKLER RISER FOR LOW ZONE-01
(D3)	150Ø STANDBY SPRINKLER RISER FOR LOW ZONE-02
(E2)	150Ø STANDBY SPRINKLER RISER FOR MID ZONE-01
(E3)	150Ø STANDBY SPRINKLER RISER FOR MID ZONE-02
(F)	150Ø FIRE OHT FILLING EXPRESS FEED RISER
(F1)	150Ø STANDBY FIRE OHT FILLING EXPRESS FEED RISER
FHC	FIRE HOSE CABINET
FS	FLOW SWITCH
BFV	BUTTER FLY VALVE
	PENDENT TYPE SPRINKLER
	UPRIGHT TYPE SPRINKLER
	NORMAL SIDE WALL TYPE SPRINKLER
CO2	TYPE FIRE EXT. (4.5KG)
ABC	TYPE FIRE EXT. (6.0KG)

NO. OF SPRINKLER	DIA OF PIPE
1-2	25Ø
3	32Ø
4-5	40Ø
6-10	50Ø
11-18	65Ø
19-40	80Ø
41-100	100Ø
101-ABOVE	150Ø

NOTE
EACH FIRE HOSE CABINET SHALL CONSIST OF.
1 NO. - GUNMETAL SINGLE HEADED HYDRANT VALVE (63mm).
2 Nos. - FIRE HOSES 63mm 15M LONG WITH ACCESSORIES.
1 No - SHORT BRANCH PIPE
1 No - FIRST AID HOSE REEL

LEGEND FOR FIRE ALARM SYSTEM & MUSIC/PA SYSTEM

S.NO	SYM.	DESCRIPTION
1		SMOKE DETECTOR (PHOTO ELECTRIC-OPTICAL) ON TRUE SLAB/ABOVE FALSE CEILING
2		SMOKE DETECTOR (PHOTO ELECTRIC-OPTICAL)- ON FALSE CEILING
3		MULTITECH DETECTOR (PHOTO-THERMAL) ON TRUE SLAB/ABOVE FALSE CEILING
4		HEAT DETECTOR-ON TRUE SLAB/ABOVE FALSE CEILING
5	LPG	LPG LEAKAGE DETECTOR
6	MCP	MANUAL CALL POINT
7	FTJ	FIRE MAN'S TELE JACK
8	MM	MONITOR MODULE
9	FP	FIRE PANEL
10	RP	REPEATER FIRE PANEL
11		STROBE CUM HOOTER
12	H	HOOTER
13		SPEAKER FIRE- CEILING MOUNTED

Note :-

1. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVANT IS CODES FOR EARTH QUAKE RESISTANCE.

PROJECT

REVISED BUILDING PLANS OF COMMERCIAL COLONY(TOD) MEASURING 17.4875 ACRES (LICENCE NO. 240 OF 2007 DATED 25.10.2007) AND 6.99025 ACRES (LICENCE NO. 239 OF 2007 DATED 25.10.2007, LICENCE NO. 241 OF 2007 DATED 25.10.2007 & LICENCE NO. 199 OF 2008 DATED 8.12.2008) TOTALLING **24.47775 ACRES** IN SECTOR-62, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY PIONEER URBAN LAND & INFRASTRUCTURE LTD.

CLIENT

PIONEER URBAN LAND & INFRASTRUCTURE LTD.

Pioneer Urban
Ground Floor
Near GOLF Course Extension Road,
Sector-62,
Gurugram -122001 Haryana

DESIGN ARCHITECT

RSP
RSP Design consultants (India) Pvt. Ltd.
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HEAD OFFICE:NO.30, MUSEUM ROAD, BANGALORE-560 001
TEL: 25596868 FAX:25596818
EMAIL: rsp@rspindia.net ; www.rspindia.net

ASSOCIATE ARCHITECT

RSMS ARCHITECTS
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MEP CONSULTANT:

SUNIL NAYYAR CONSULTING ENGINEERS LLP
206-206A, 2ND FLOOR, TIME CENTRE, DLF GOLF COURSE ROAD, SECTOR-54, GURGAON-122002, HARYANA (INDIA)
URL:\\ www.snc.co.in

FIRE SUBMISSION

Certified that Fire Fighting Scheme is as per N.B.C. Part IV, ... 2016
FSO Gurugram | Fsm Gurugram | Gurugram

Fire Fighting Scheme Approved Vide Letter No. 2025/13792 Dated. 11/01/2025
Joint Director (Tech.)

IT IS CERTIFIED THAT THESE DRAWING ARE AS PER APPROVED DWG BY STP (CHAIRMAN,BUILDING PLAN APPROVAL COMMITTEE) GURUGRAM ,HARYANA
VIDE MEMO NO. ZP-338-II/PA(DK)/2025/31457 DATED. 13-08-2025

ARCHITECT'S SEAL & SIGNATURE	OWNER'S SEAL & SIGNATURE
	Pioneer Urban Land & Infrastructure Ltd. Gurugram

APRIL.-2025	Scale : 1:100	
Drawing Title:- 20th (SERVICE FLOOR PLAN & FIRE FIGHTING LAYOUT (TOWER EAST)		Drawing No:- SNC-FF-3A-08 28082024-3