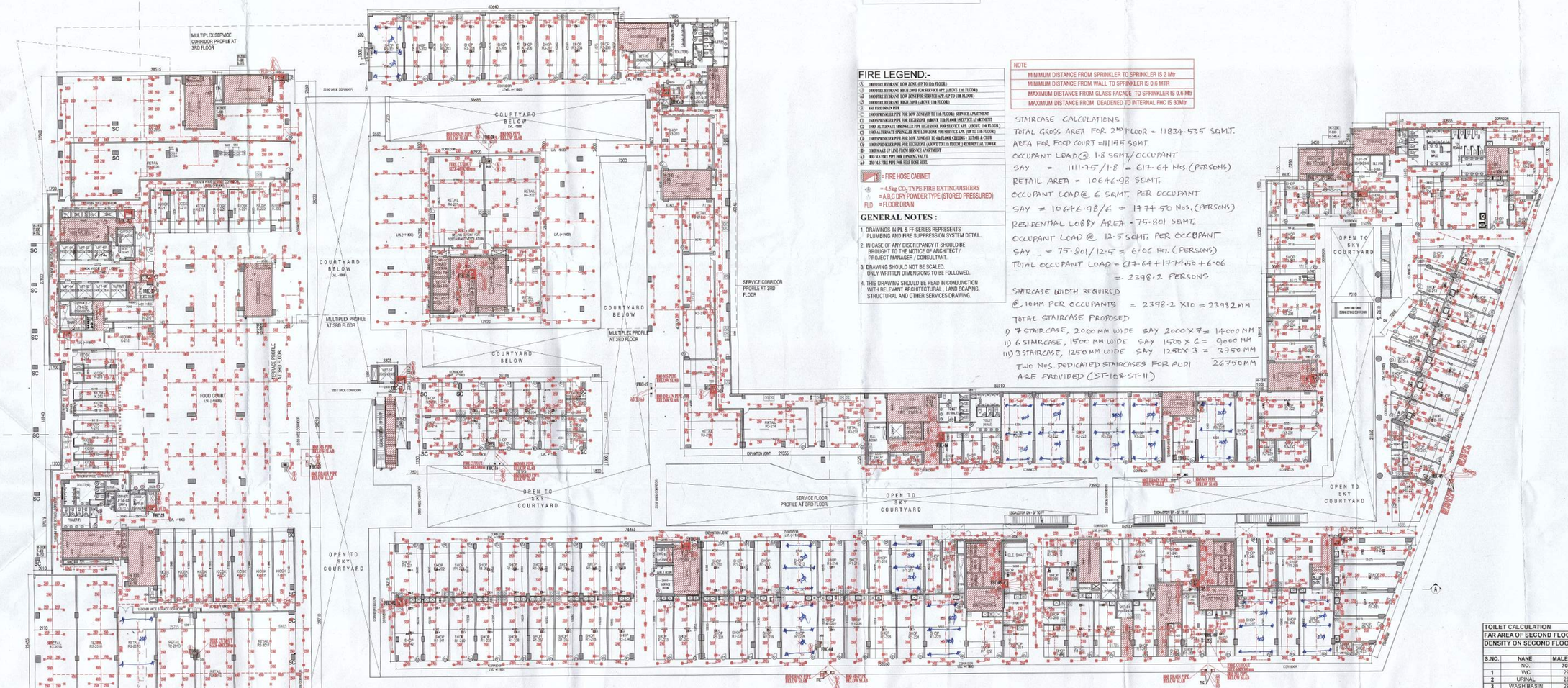
CERTIFIED THAT THESE PLANS ARE AS PER ORIGINAL PLANS APPROVED BY DG, TCP, CHANDIGARH VIDE MEMO NO. ZP-455/AD(RA)/2021/10192 DATED 20-04-2021

OWNER SIG. ARCHITECT SIG.

KULWINDER SHANK ARCHITECT CA/77-1741 04/03/2022

LEGEND

- SHARE WALL & COLUMN
- WALL BLOKWORK



FIRE LEGEND:-

A	300Ø FIRE HYDRANT LOW ZONE (UP TO 15th FLOOR)
A1	300Ø FIRE HYDRANT HIGH ZONE FOR SERVICE APT (ABOVE 15th FLOOR)
A2	300Ø FIRE HYDRANT LOW ZONE FOR SERVICE APT (UP TO 15th FLOOR)
A3	300Ø FIRE HYDRANT HIGH ZONE (ABOVE 15th FLOOR)
B	65Ø FIRE DRAIN PIPE
C	150Ø SPRINKLER PIPE FOR LOW ZONE (UP TO 15th FLOOR) SERVICE APARTMENT
C1	150Ø SPRINKLER PIPE FOR HIGH ZONE (ABOVE 15th FLOOR) SERVICE APARTMENT
C2	150Ø ALTERNATE SPRINKLER PIPE HIGH ZONE FOR SERVICE APT (ABOVE 15th FLOOR)
C3	150Ø ALTERNATE SPRINKLER PIPE LOW ZONE FOR SERVICE APT (UP TO 15th FLOOR)
C4	150Ø SPRINKLER PIPE FOR LOW ZONE (UP TO 6th FLOOR CEILING) RETAIL & CLUB
C5	150Ø SPRINKLER PIPE FOR HIGH ZONE (ABOVE 15th FLOOR) RESIDENTIAL TOWER
D	100Ø MAKE UP LINE FROM SERVICE APARTMENT
E1	100Ø WET PIPE FOR LANDING VALVE
E2	250Ø WET PIPE FOR FIRE HOSE REEL

= FIRE HOSE CABINET
= 4.5kg CO_2 TYPE FIRE EXTINGUISHERS
= A,B,C DRY POWDER TYPE (STORED PRESSURED)
FLD = FLOOR DRAIN

GENERAL NOTES :

1. DRAWINGS IN PL & FF SERIES REPRESENTS PLUMBING AND FIRE SUPPRESSION SYSTEM DETAIL.
2. IN CASE OF ANY DISCREPANCY IT SHOULD BE BROUGHT TO THE NOTICE OF ARCHITECT / PROJECT MANAGER / CONSULTANT.
3. DRAWING SHOULD NOT BE SCALED. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
4. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL , LAND SCAPING, STRUCTURAL AND OTHER SERVICES DRAWING.

NOTE
MINIMUM DISTANCE FROM SPRINKLER TO SPRINKLER IS 2 Mtr
MINIMUM DISTANCE FROM WALL TO SPRINKLER IS 0.6 MTR
MAXIMUM DISTANCE FROM GLASS FACADE TO SPRINKLER IS 0.6 Mtr
MAXIMUM DISTANCE FROM DEADENED TO INTERNAL FHC IS 30Mtr

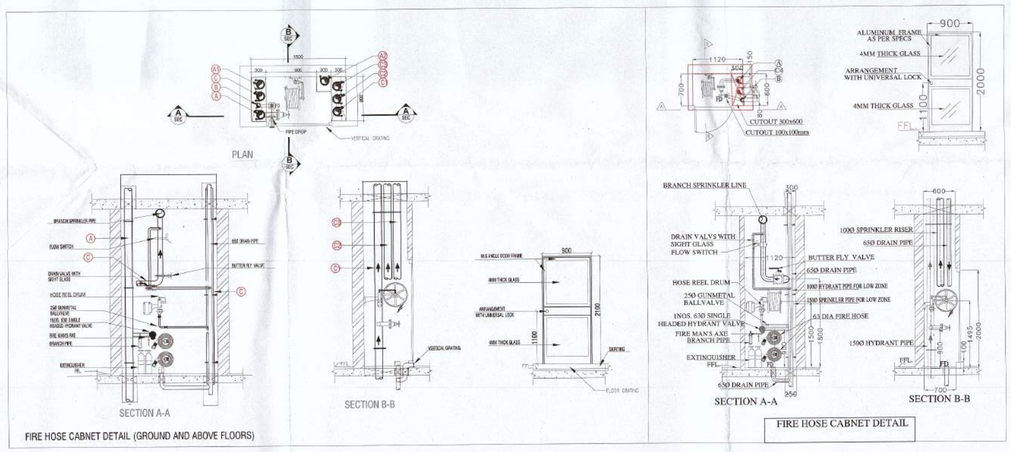
STAIRCASE CALCULATIONS
TOTAL GROSS AREA FOR 2ND FLOOR = 11834.535 SQMT.
AREA FOR FOOD COURT = 1111.75 SQMT
OCCUPANT LOAD @ 1.8 SQMT/OCCUPANT
SAY = 1111.75/1.8 = 617.64 Nos. (PERSONS)
RETAIL AREA = 10646.98 SQMT.
OCCUPANT LOAD @ 6 SQMT. PER OCCUPANT
SAY = 10646.98/6 = 1774.50 Nos. (PERSONS)
RESIDENTIAL LOBBY AREA = 75.801 SQMT.
OCCUPANT LOAD @ 12.5 SQMT. PER OCCUPANT
SAY = 75.801/12.5 = 6.06 Nos. (PERSONS)
TOTAL OCCUPANT LOAD = 617.64 + 1774.50 + 6.06
= 2398.2 PERSONS

STAIRCASE WIDTH REQUIRED
@ 10MM PER OCCUPANTS = 2398.2 X 10 = 23982 MM
TOTAL STAIRCASE PROPOSED
i) 7 STAIRCASE, 2000 MM WIDE SAY 2000 X 7 = 14000 MM
ii) 6 STAIRCASE, 1500 MM WIDE SAY 1500 X 6 = 9000 MM
iii) 3 STAIRCASE, 1250 MM WIDE SAY 1250 X 3 = 3750 MM
TWO NOS. PEDIATED STAIRCASES FOR ADI ARE PROVIDED (ST-10 & ST-11) 26750 MM

TOILET CALCULATION						
FAR AREA OF SECOND FLOOR :- 10542.393 sqm						
DENSITY ON SECOND FLOOR :- 1054 Nos.						
		REQUIRED		PROVIDED		
S.NO.	NANE	MALE (2/3)	FEMALE (1/3)	MALE (2/3)	FEMALE (1/3)	
	NO.	703	351	703	351	
1	WC	29	22	13	23	
2	URINAL	28	-	39	-	
3	WASH BASIN	29	25	18	23	

ANNEXURE-5 (FIRE STAIRCASES)				
STAIRCASE Nos.	Width	LEVEL OF EXIT DISCHSARGE	Travel	PRESSURISATION / NATURALLY VENTILATED
STAIRCASE ST-01	2000	Direct Exit at LG level	B2 to 2nd Floor (segregation @ LG level)	MECHANICALLY FROM B2 TO LGF & NATURALLY ABOVE
STAIRCASE ST-02	1500	Direct Exit at Ground Level	B2 to 18th Floor & Terrace (segregation @ Ground level)	MECHANICALLY PRESSURIZED
STAIRCASE ST-03	2000	Exit Through corridor at LG level	B2 to 18th Floor & Terrace (segregation @ LG level)	MECHANICALLY PRESSURIZED
STAIRCASE ST-04	2000	Exit Through corridor at LG level	B2 to 2nd Floor (segregation @ LG level)	MECHANICALLY PRESSURIZED
STAIRCASE ST-05	1500	Direct Exit at LG level	B2 to 3rd Floor (segregation @ LG level)	MECHANICALLY PRESSURIZED
STAIRCASE ST-06	2000	Exit Through FIRE TOWER at LG level	B2 to 4th Floor (segregation @ LG level)	MECHANICALLY PRESSURIZED
STAIRCASE ST-07	1200	Exit Through corridor at LG level	B2 to 2nd Floor	MECHANICALLY FROM B2 TO LGF & NATURALLY ABOVE
STAIRCASE ST-08	2000	Direct Exit at LG level	B2 to 4th Floor (segregation @ LG level)	MECHANICALLY FROM B2 TO LGF & NATURALLY ABOVE
STAIRCASE ST-09	2000	Exit Through corridor at LG level	LG to 4th Floor	MECHANICALLY PRESSURIZED
STAIRCASE ST-10	2000	Direct Exit at LG level	LG to 4th Floor	MECHANICALLY PRESSURIZED
STAIRCASE ST-11	2000	Exit Through ground	Ground to 4th	MECHANICALLY PRESSURIZED
STAIRCASE ST-01a	2000	Exit Through FIRE TOWER at LG level	B3 to 4th	MECHANICALLY FROM B2 TO LGF & NATURALLY ABOVE
STAIRCASE ST-02a	1200	Exit Through FIRE TOWER at LG level	B3 to Machine rm residential & terrace (segregation @ LG level)	MECHANICALLY PRESSURIZED
STAIRCASE ST-03a	1500	Exit Through Lobby at LG level	B3 to 2nd Floor	MECHANICALLY PRESSURIZED
STAIRCASE ST-04a	1500	Direct Exit at LG level	B3 to 2nd Floor (segregation @ LG level)	MECHANICALLY FROM B2 TO LGF & NATURALLY ABOVE
STAIRCASE ST-05a	1200	Exit Through FIRE TOWER at LG level	LG to Machine rm EWS & terrace	MECHANICALLY FROM B2 TO LGF & NATURALLY ABOVE
STAIRCASE ST-06a	1500	Exit Through corridor at LG level	B3 to 2nd Floor	MECHANICALLY FROM B2 TO LGF & NATURALLY ABOVE
STAIRCASE ST-07a	1200	Direct Exit at Ground	B3 to Terrace EWS (segregation @Ground)	MECHANICALLY FROM B2 TO Terrace
STAIRCASE ST-08a	1200	Exit Through corridor at LG to 4th Floor	LG to 4th Floor	MECHANICALLY FROM B2 TO LGF & NATURALLY ABOVE
STAIRCASE ST-09a	1200	Exit Through FIRE TOWER at LG level	B3 to Machine rm residential & terrace (segregation @ LG level)	MECHANICALLY PRESSURIZED
STAIRCASE ST-10a	1500	Exit Through ground lobby	Ground to 4th floor	MECHANICALLY PRESSURIZED
STAIRCASE ST-11a	1200	Exit Through fire lobby at third	3rd to terrace residential	MECHANICALLY PRESSURIZED
STAIRCASE ST-11b	1200	Exit Through fire lobby at third	3rd to terrace residential	MECHANICALLY PRESSURIZED

DOOR WINDOW SCHEDULE-SECOND FLOOR			
NAME	SIZE	CILL	LINTEL
FD	2000X2400	00	2400
FDA	2000X2400	00	2400
FH1	1800X2250	150	2400
FDB	1200X2400	00	2400
FDBA	1200X2400	00	2400
FDE	1200X2400	00	2400
FDE1	1000X2400	00	2400
FDE2	900X2400	00	2400
FH1	1100X2250	150	2400
FH1A	1000X2250	150	2400
FH2A	900X2250	150	2400
FH2	900X2250	150	2400
FH2A	750X2250	150	2400
D3A	1050X2250	00	2250
D4	900X2250	00	2250
D5	750X2100	00	2100
DW	3200X2400	150	2400
G1	4080X3600	00	3600
G2	2475X3600	00	3600
G3	6000X3600	00	3600
G4	3100X3600	00	3600
G5	5245X3600	00	3600
G6	7000X3600	00	3600
G7	8550X3600	00	3600
G8	17000X3600	00	3600
G9	14500X3600	00	3600
G10	10510X3600	00	3600

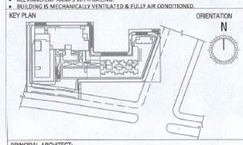


FIRE CONSULTANTS C P VIDYA AND ASSOCIATES

FIRE SUBMISSION

NOTES:
- ALL LIFTS SHALL HAVE 100% POWER BACK-UP.
- ALL ELECTRICAL INSTALLATIONS SHALL BE AS PER PROVISION OF NBC.
- FIRE-FIGHTING / SAFETY PROVISIONS WILL BE AS PER RELEVANT NBC PROVISIONS.
- BASEMENT AREA SHALL HAVE MECHANICALLY VENTILATED AS PER RELEVANT CODE.
- ALL TOILETS ARE VENTILATED AS PER HARYANA BUILDING CODE 2017.
- BUILDING HAS AUTOMATIC SPRINKLER SYSTEM WHEREVER REQUIRED BY NBC.
- BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVANT I.S. CODES FOR EARTHQUAKE RESISTANCE.
- ALL HIGH RISE BUILDING ARE INTERCONNECTED THROUGH CORRIDOR / BRIDGES.
- SOLAR PANELS OF REQUIRED CAPACITY SHALL BE PROVIDED ON ROOF TOP AS PER HAREDA /ZONING NORMS.
- ONE EXTERNAL WALL TOWARDS BALCONY SIDE IN ANY ONE OF THE ROOMS IN RESIDENTIAL APARTMENT SHOULD BE IN 1 HR. FIRE RATED WITH PROVISION OF SPRINKLER ON INTERNAL SIDE OF THE SAME WALL.
- ALL HANDICAP RAMPS WITH RAILING.
- BUILDING IS MECHANICALLY VENTILATED & FULLY A/R CONDITIONED.

KEY PLAN



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PROJECT:
REVISED BUILDING PLAN OF MIXED LAND USE COLONY UNDER TOD POLICY IN COMMERCIAL ZONE (70% COMMERCIAL AND 30% RESIDENTIAL) MEASURING 7.44375 ACRES(LIENCE NO.121 OF 2008 DATED 14-06-2008) IN SECTOR-74 BEING DEVELOPED BY PROMPT ENGINEERING PVT. LTD.GURUGRAM,MANESAR URBAN COMPLEX.

KULWINDER SHANK ARCHITECT CA/77-1741

OWNER/AUTH. SIGNATURE ARCHITECT'S SIGNATURE

DRAWING TITLE
SECOND FLOOR CEILING PLAN
FIRE FIGHTING LAYOUT

DRAWING NO. FF-09 SCALE :- 1:250