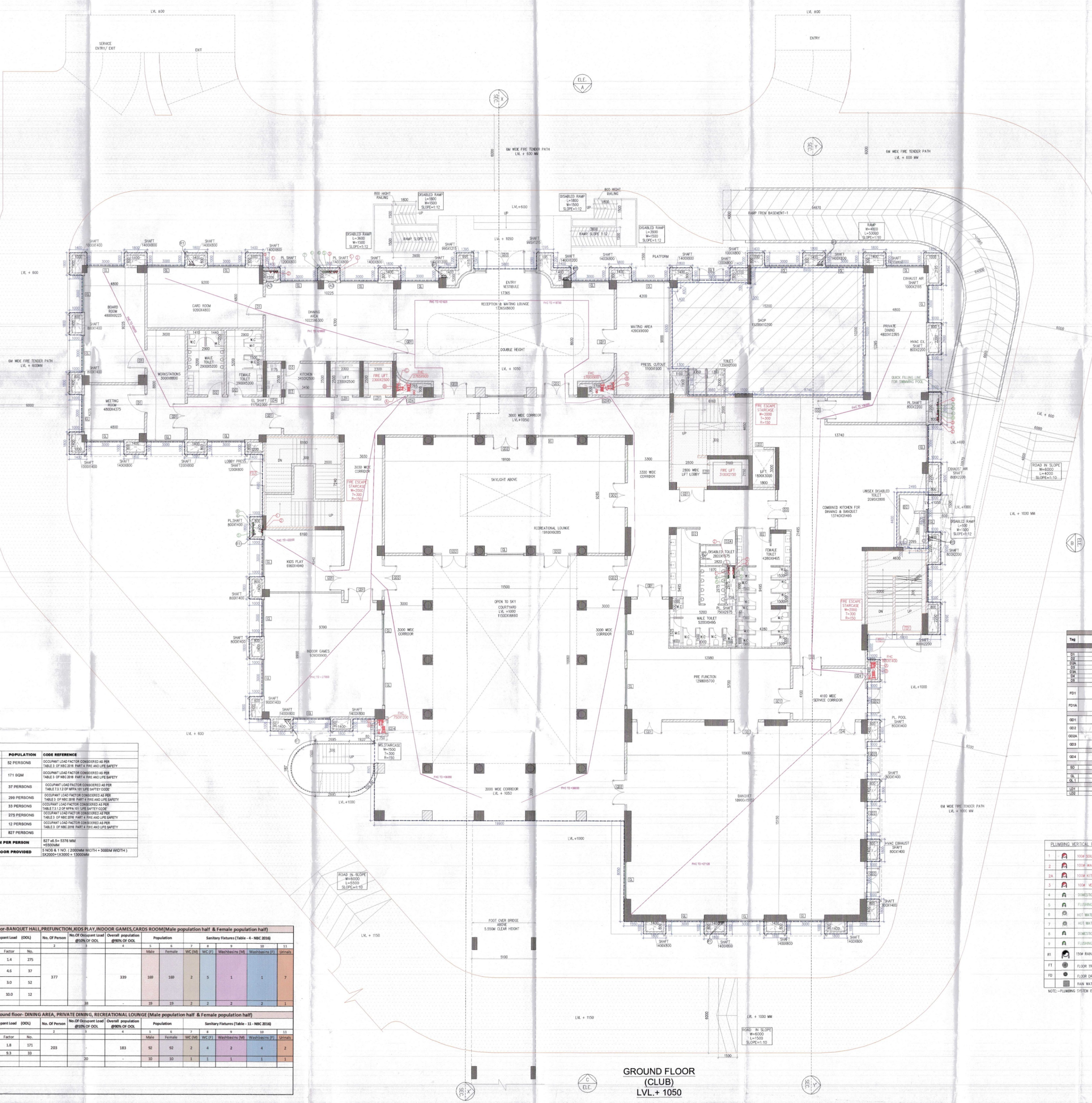


POPULATION CALCULATION

SR.NO.	DETAIL	AREA	OLF	POPULATION	CODE REFERENCE
1.)	SHOP	156 SQM	3 SQM/PERSON	52 PERSONS	OCCUPANT LOAD FACTOR CONSIDERED AS PER TABLE 3 OF NBC 2016 PART 4 FIRE AND LIFE SAFETY
2.)	DINING AREA,PRIVATE DINING,RECREATIONAL LOUNGE	307 SQM	1.8 SQM/PERSON	171 SQM	OCCUPANT LOAD FACTOR CONSIDERED AS PER TABLE 3 OF NBC 2016 PART 4 FIRE AND LIFE SAFETY
3.)	CARD ROOM,KIDS PLAY AREA,INDOOR GAMES	172 SQM	4.6 SQM/PERSON	37 PERSONS	OCCUPANT LOAD FACTOR CONSIDERED AS PER TABLE 7.3.1.2 OF NFPA 101 LIFE SAFTEY CODE
4.)	COMMON CORRIDOR & LOBBY,LIFT,STAIRCASE ETC.	897 SQM	3 SQM/PERSON	299 PERSONS	OCCUPANT LOAD FACTOR CONSIDERED AS PER TABLE 3 OF NBC 2016 PART 4 FIRE AND LIFE SAFETY
5.)	TOILET & KITCHEN	306 SQM	9.3 SQM/PERSON	33 PERSONS	OCCUPANT LOAD FACTOR CONSIDERED AS PER TABLE 7.3.1.2 OF NFPA 101 LIFE SAFTEY CODE
6.)	BANQUET & PRE FUNCTION	385 SQM	1.4 SQM/PERSON	275 PERSONS	OCCUPANT LOAD FACTOR CONSIDERED AS PER TABLE 3 OF NBC 2016 PART 4 FIRE AND LIFE SAFETY
7.)	BOARD ROO,WORK STATION,MEETING ROOM	122 SQM	10 SQM/PERSON	12 PERSONS	OCCUPANT LOAD FACTOR CONSIDERED AS PER TABLE 3 OF NBC 2016 PART 4 FIRE AND LIFE SAFETY
	TOTAL POPULATION			827 PERSONS	
	EXIT DOOR WIDTH REQUIRED @ 6.5 MM PER PERSON			827 x6.5= 5376 MM =5500MM	
	NO. OF EXIT DOOR PROVIDED			5 NOS & 1 NO. (2000MM WIDTH + 3000M WIDTH) 5X2000=10000+ 1X3000=13000MM	

Sanitary Fixtures Calculations -As per area Gorund floor-BANQUET HALL,PREFUNCTION,KIDS PLAY,INDOOR GAMES,CARDS ROOM(Male population half & Female population half)

	FAR area(Sqm)	Overall Occupant Load		(ODL)	No. Of Person	No.Of Occupant Load @50% OF OOL	Overall population @50% OF OOL	Population		Sanitary Fixtures [Table - 4 - NBC 2016]				
	1	Load	Factor	No.	2	3	4	Male 5	Female 6	WC (M) 7	WC (F) 8	Washbasins (M) 9	Washbasins (F) 10	Urinals 11
GROUND FLOOR-BANQUET HALL,PREFUNCTION	385	1 per 1.4 Sqm.	1.4	275	377	-	339	169	169	2	5	1	1	7
GROUND FLOOR- KIDS PLAY,INDOOR GAMES,CARDS ROOM	172	1 per 4.6 Sqm.	4.6	37										
GROUND FLOOR-SHOP	156	1 per 3 Sqm.	3.0	52										
GROUND FLOOR-BOARD ROOM, MEETING ROOM & WORK STATION	122	1 per 10 Sqm.	10.0	12										
Staff	-				38			19	19	2	2	2	2	1

Sanitary Fixtures Calculations -As per area Ground floor- DINING AREA, PRIVATE DINING, RECREATIONAL LOUNGE (Male population half & Female population half)

	FAR area(Sqm)	Overall Occupant Load		(ODL)	No. Of Person	No.Of Occupant Load @50% OF OOL	Overall population @50% OF OOL	Population		Sanitary Fixtures [Table - 11 - NBC 2016]				
	1	Load	Factor	No.	2	3	4	Male 5	Female 6	WC (M) 7	WC (F) 8	Washbasins (M) 9	Washbasins (F) 10	Urinals 11
GROUND FLOOR-DINING AREA,PRIVATE DINING, RECREATIONAL LOUNGE	307.000	1 per 1.8 Sqm.	1.8	171	203	-	183	92	92	2	4	2	4	2
GROUND FLOOR-KITCHEN & TOILET	306.000	1 per 9.3 Sqm.	9.3	33										
Staff	-				20	-		10	10	1	1	1	1	1
Required Toilet Fixtures of Ground floor		**PROVIDED**												
WC (M)	7	8												
WC (F)	12	15												
Washbasins (M)	6	7												
Washbasins (F)	8	8												
Urinals	11	14												

MAX ESTATES -CLUB

Tag	Width (MM)	Height (MM)	Sill (MM)	Lintel (MM)	DOOR TYPE	OPENING TYPE	LOCATION
					DOORS & FIXTURES		
					SCHEDULE OF NON FIRE RATED DOORS		
D1	1500	2450	0	2450	WOODEN FLUSH DOOR	SINGLE LEAF DOOR	
D2	1200	2450	0	2450	WOODEN FLUSH DOOR	SINGLE LEAF DOOR	
D2A	1200	2450	0	2450	WOODEN FLUSH DOOR	SINGLE LEAF DOOR	
D3	1500	2450	0	2450	WOODEN FLUSH DOOR	DOUBLE LEAF DOOR	
D3A	2000	2450	0	2450	WOODEN FLUSH DOOR	DOUBLE LEAF DOOR	
D4	2000	2450	0	2450	WOODEN FLUSH DOOR	DOUBLE LEAF DOOR	
D5	800	2450	0	2450	WOODEN FLUSH DOOR	SINGLE LEAF DOOR	
					SCHEDULE OF FIRE RATED DOOR		
FD1	2000	2450	0	2450	METAL DOOR WITH VISION PANEL (MIN. 2HR. FIRE RATING)	DOUBLE SHUTTER, OPENABLE OUTSIDE	
FD1A	2000	2450	0	2450	METAL DOOR WITH VISION PANEL (MIN. 2HR. FIRE RATING)	SINGLE LEAF DOOR	
					SCHEDULE OF GLASS DOOR		
GD1	2000	4500	0	4500	DOUBLH SHUTTER, OPENABLE RISCS	GLASS DOOR AS.SPEC	
GD2	2000/3300	4500	0	4500	DOUBLH SHUTTER, OPENABLE RISCS	GLASS DOOR AS.SPEC	
GD2A	2000/3300	4500	0	4500	SINGLE SHUTTER, OPENABLE RISCS (MIN. 2HR. FIRE RATING)	GLASS DOOR AS.SPEC	
GD3	3000/6000	4500	0	4500	DOUBLH SHUTTER, OPENABLE RISCS	GLASS DOOR AS.SPEC	
					SCHEDULE OF GLASS DOORS		
GD4	900	2900	150	2450	SINGLE SHUTTER, OPENABLE RISCS (MIN. 2HR. FIRE RATING)	GLASS DOOR AS.SPEC	FHC DOOR
					SCHEDULE OF SLIDING DOORS		
SD	AS/PLAN	4500	0	4500	DETAIL AS/D		
					SCHEDULE OF GLAZING		
GL	AS/PLAN	4500	0	4500	EXTERIOR GLAZING		
GL	AS/PLAN	4500	0	4500	EXTERIOR GLAZING		swimming pool deck area
					SCHEDULE OF LIFT OPENINGS		
LD1	1200	2450	0	2450	INTERIOR GLAZING	ASMENDOR	
LD2	900	2450	0	2450	INTERIOR GLAZING	ASMENDOR	

PLUMBING VERTICAL PIPES SCHEDULES:-

1		150Ø SOIL PIPE
2		100Ø WASTE PIPE
2A		100Ø KITCHEN WASTE PIPE
3		100Ø VENT PIPE
4		DOMESTIC WATER SUPPLY BRANCH PIPE
5		FLUSHING WATER SUPPLY BRANCH PIPE
6		HOT WATER SUPPLY PIPE
7		HOT WATER RETURN PIPE
8		DOMESTIC WATER RISER TO QHT
9		FLUSHING WATER RISER TO QHT
RS		150Ø RAIN WATER PIPE FROM TERRACE
FT		FLOOR TRAP 100x100mm
FD		FLOOR DRAIN 100x50mm
		RAIN WATER KHURRA SIZE 600X450 MM

NOTE:-PLUMBING SYSTEM IS HYDROPNEUMATIC SYSTEM

Note :-

1. BUILDING HAS AUTOMATIC SPRINKLER SYSTEM. WHEREVER REQUIRED BY NBC.
2. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVENT IS CODES FOR EARTH QUAKE RESISTANCE.
3. ALL TOILET & KITCHEN HAVE PERMANENT VENTILATION /EXHAUST
4. CLUB IS ARTIFICIALLY LIGHTED MECHANICALLY VENTILATED & CENTRALLY AIRCONDITIONED WITH 100% POWER BACKUP.

Project

PROPOSED BUILDING PLAN OF GROUP HOUSING COLONY FOR PHASE 3 AREA MEASURING 8.19375 ACRES PART OF TOTAL LICENSED LAND MEASURING 34.175 ACRES(LICENCE NO. 16 OF 2008 DATED 31.01.2008, LICENCE NO. 28 OF 2008 DATED 17.02.2008, LICENCE NO. 44 OF 2011 DATED 13.05.2011) IN SECTOR-59 GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY BTVS BUILDWELL PVT LTD. AND OTHERS IN COLLABORATION WITH BASE EXPORTS PVT LTD. AND BUZZ HOTELS PVT. LTD.

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B.T.P.(HQ) B.P.A.C. | B.T.P.(HR) Member Secretary B.P.A.C. | C.T.P.(HR) Chairman B.P.A.C.

DTP(HQ) | ATP(HQ) | ATP | DTP(HQ) KUMAR PA(HQ)

SANCTIONED TO BE READ WITH THIS OFFICE MEMO NO.: DATED :

ADPO, (HQ) Member BPAC | PBO, (HQ) Member BPAC

OWNER'S SEAL & SIGNATURE

BIP HOLDER SEAL & SIGNATURE

ARCHITECT'S SEAL & SIGNATURE

REENA SHARMA B.ARCH. CA/2016/77247

Checked and (Internal) Scrutinized in forwarding

2/6/26 03/02/2026

JUL.–2026 | Scale : 1:100

Superintending Engineer (HQ) for Chief Engineer HSVP, Panchkula

Drawing Title:–
GROUND FLOOR PLAN (CLUB)

Drawing No:–
C-01

03–20072026