

Unit Type	Population		Unit	Population
	Area			
Ground Floor Area (Restaurant in half wing)	1219.35	1.5 sq.m of Builtup Area/person		813
Ground Floor Area (Retail in half wing)	2561.49	3 sq.m of Builtup Area/person		854
Total Ground floor area	3780.84			
First Floor Area (Retail)	3744.71	6 sq.m of Builtup Area/person		624
Second Floor Area (Retail)	3780.84	6 sq.m of Builtup Area/person		630
Third Floor Area (Retail)	3780.84	6 sq.m of Builtup Area/person		630
Total				3551

POPULATION DISTRIBUTION CHART					
STAFF/PUBLIC TOILET POPULATIONS		STAFF POPULATION		VISITOR/PUBLIC POPULATION	
NOS OF STAFF@10%	NOS OF PUBLIC@90%	MALE @2/3RD	FEMALE@1/3RD	MALE @2/3RD	FEMALE@1/3RD
81	732	54	27	488	244
85	769	57	28	512	256
62	562	42	21	374	187
63	567	42	21	378	189
63	567	42	21	378	189
355	3196	237	118	2131	1065
	3551		355		3196

	STAFF TOILET CALCULATION						PUBLIC /VISITOR TOILET CALCULATIONS						TOILET REQUIRED AS PER NBC (INCLUDING STAFF & PUBLIC)						TOILET PROVIDED (INCLUDING STAFF & PUBLIC)					
	FLOORS	W.C		URINAL	WASH BASIN		W.C		WASH BASIN		TOTAL W.C		TOTAL URINAL	TOTAL WASH BASIN		TOTAL W.C		TOTAL URINAL	TOTAL WASH BASIN					
		MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE				
RESTAURANT	GROUND	3	3	3	3	3	7	9	7	7	9	10	12	10	10	12								
RETAIL		3	3	3	3	3	10	5	10	10	5	13	8	13	13	8	10	13	12	10				
	FIRST	3	2	2	3	2	7	4	7	7	4	10	6	9	10	6	22	13	21	22	13			
RETAIL																								
	SECOND	3	2	2	3	2	7	4	7	7	4	10	6	9	10	6	13	13	14	22	13			
RETAIL																								
	THIRD	3	2	2	3	2	7	4	7	7	4	10	6	9	10	6	13	13	14	22	13			
RETAIL																								
	TOTAL	15	12	12	15	12	38	26	38	38	26	53	38	50	53	38	58	52	61	76	49			
																	5	14	11	23	11			

LIFT CALCULATIONS AS PER ANNEXURE-VIII (IN UNIFIED DELHI BUILDING BYE LAWS 2016)			
SECOND FLOOR CARPET AREA	2550.94		
3RD FLOOR CARPET AREA	2550.94		
PUPULATION ON BASEMENT FLOOR	NA		
PUPULATION ON GROUND FLOOR FLOOR	NA		
PUPULATION ON FIRST FLOOR FLOOR	NA		
PUPULATION ON SECOND FLOOR CARPET AREA @ 6 PERSON / SQ. MT	425.16		
PUPULATION ON THIRD FLOOR CARPET AREA @ 6 PERSON / SQ. MT	425.16		
TOTAL POPULATION EXCLUDING GROUND & FIRST FLOOR	850.31	PERSON	
NOS OF FLOORS	3B+G+3 FLOOR		
SPEED FOR LIFT	@ 2.0 M/S		
CAPACITY OF LIFT	@ 20 PASSENGER		
No. of persons that can be carried by a 16 Passenger	300 PERSON		
TOTA NOS OF 20 PASSENGER LIFT REQUIRED = TOTAL POPULATION/300	2.83	3NOS	
STAND BY LIFT REQUIRED		1NOS	
TOTAL LIFT REQUIRED		4 NOS	
NOS OF LIFT PROVIDED			
20 PASSENGER	4 NOS		
14 PESSENGER	2 NOS		
8 PESSENGER	1 NOS		
GOODS LIFT (1000 KG)	2 NOS		

BUILTUP AREA AT GROUND FLOOR LVL FOR PUPULATION CALCULATIONS			
GROUND FLOOR FAR	2932.47		
GROUND FLOOR NON FAR AREA (EXCLUDING LIFT WELL)	848.37		
TOTAL (X)	3780.84		
DEDUCTIONS			
TOTAL BUILTUP AREA FOR POPULATION CALCULATION AT GROUND FLOOR = (X-A)	3780.840		
BUILTUP AREA AT FIRST FLOOR LVL FOR PUPULATION CALCULATIONS			
FIRST FLOOR FAR	2906.67		
FIRST FLOOR NON FAR AREA (EXCLUDING LIFT WELL)	838.04		
TOTAL (X)	3744.71		
TOTAL BUILTUP AREA FOR POPULATION CALCULATION AT 1ST FLOOR LVL	3744.707		
BUILTUP AREA AT 2ND TO 3RD FLOOR LVL FOR PUPULATION CALCULATIONS			
SECOND FLOOR FAR	2906.67		
SECOND FLOOR NON FAR AREA	874.17		
TOTAL	3780.84		
TOTAL BUILTUP AREA FOR POPULATION CALCULATION AT 2ND TO 3RD FLOOR LVL	3780.840		

STAIRCASE CALCULATIONS		
NOS OF STAIRCASE CALCULATIONS		
NOS OF POPULATION AT TYPICAL FLOOR	630	PERSON
STAIRCASE WIDTH 60.5 M PER 50 PERSON	6.3	METER
BY TAKING 2 NOS. 2M WIDTH & 2 NOS 1.5 M WIDTH STAIRCASE	2+2+1.5+1.5=7	METER
SO WE PROVIDED 2 NOS 2 M WIDE STAIRCASE & 2 NOS 1.5 M WIDE STAIRCASE		

RAMP CALCULATIONS CALCULATIONS		
BASEMENT -1 AREA	5612.90	SQ. MT
RAMP REQUIREMENT @ 1 RAMP FOR ENTRY/EXIT IN BASEMENT FOR PER 10000 SQ. MT	0.563	NOS
	3	NOS
WE PROVIDED 1 NOS 4.5 M WIDE RAMP FOR ENTRY and 1 NOS 4.5 M WIDE RAMP FOR EXIT		

DMRC		
OWNER'S SIGNATURE		
ARCHITECT'S SIGNATURE		
SUBMISSION		
PROJECT NAME AND ADDRESS: REVISED BUILDING AT RAJIV GANDHI MARG METRO STATION COMPLEX, NEW DELHI		
CLIENT NAME AND ADDRESS: BEST VIEW INFRACON LIMITED 205 STD. 11 FLOOR, SKYLINE FORUM, JASOLA DISTRICT CENTRE, JASOLA, NEW DELHI - 110025		
NAME OF THE DRAWING: CALCULATIONS SHEET FOR POPULATION,LIFT,TOILET & RAMP		
Dwg. Code No.:		
Scale: 1:200	REVISION: R01	North
ARCHITECT: DESIGN FORUM INTERNATIONAL PLOT NO.40/2, COLONY NEW DELHI TEL: 9911-4600888	DESIGN FORUM INTERNATIONAL PLOT NO.40/2, COLONY NEW DELHI TEL: 9911-4600888	