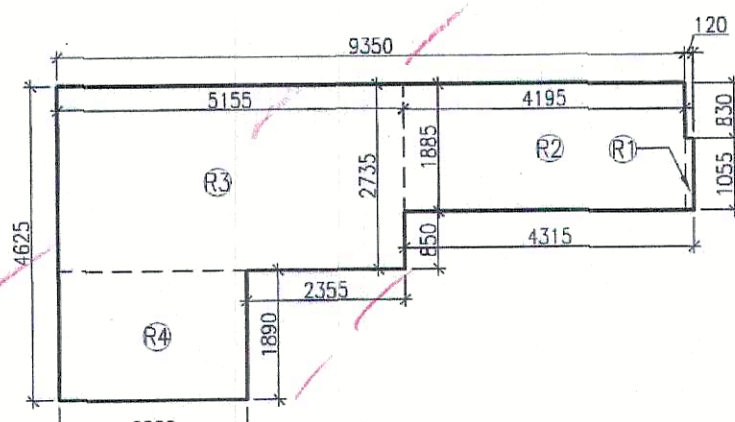


REFUGE AREA CALCULATION

TOTAL FLOOR AREA (16TH+17TH)
 = [550.589+550.589]
 = 1101.178 SQMT. (1 FAR OF TWO FLOOR)
 = POPULATION ON TWO FLOOR = @ 12.5 / PERSONS
 = 1101.178 / 12.5 = 88 PERSONS
 = SAY = 88 PERSONS
 REFUGE AREA (A) = 88 X 0.3 = 26.400 SQMT.
 TOTAL AREA = 26.400 SQMT.
 HANDICAP WHEELCHAIR SPACE AREA (A) = 0.900 SQMT.
 TOTAL REQUIRED REFUGE AREA (A+B) = 0.900+26.400 = 27.300 SQMT.
 TOTAL AREA PROVIDED = 27.425 SQMT.



REFUGE AREA DIAGRAM

Sr No	Dim (m)	X	Dim (m)	Nos.	Area (SQM)
R1	0.120	X	1.055	1	0.127
R2	4.195	X	1.885	1	7.908
R3	5.155	X	2.735	1	14.099
R4	2.800	X	1.890	1	5.292
TOTAL REFUGE AREA					27.425

NO.	COEFF.	BREADTH	LENGTH	NO.s	AREA (SQ.M)
ADDITIONS					
F1	1	3.670	10.290	1	37.764
F2	1	2.750	9.560	1	26.290
F3	1	5.930	9.660	1	57.284
F4	1	2.355	11.555	1	27.212
F5	1	4.315	12.405	1	53.528
F6	1	22.120	0.800	1	17.696
F7	1	19.050	3.240	1	61.722
F8	1	0.850	0.290	4	0.986
F9	1	0.750	0.290	1	0.218
F10	1	19.010	13.460	1	255.875
F11	1	19.130	5.235	1	100.146
F12	1	9.640	3.525	1	33.981
F13	1	2.565	0.100	1	0.257
F14	1	3.245	0.550	1	1.785
F15	1	0.680	1.755	1	1.193
TOTAL ADDITIONS (A1)					675.935
DEDUCTIONS					
D1	1	5.700	3.300	1	18.810
D2	1	1.980	2.150	1	4.257
D3	1	2.000	3.000	2	12.000
D4	1	3.300	4.115	1	13.580
D5	1	3.440	1.250	1	4.300
D6	1	0.915	0.340	1	0.311
D7	1	0.980	0.450	2	0.882
D8	1	0.905	0.450	2	0.815
D8A	1	0.450	1.190	1	0.536
D9	1	3.270	0.300	2	1.962
D10	1	3.020	0.300	1	0.906
D11	1	7.140	6.595	1	47.088
D12	1	3.020	0.700	1	2.114
D13	1	1.200	0.565	1	0.678
D14	1	2.630	0.680	1	1.788
D15	1	7.430	1.420	1	10.551
D16	1	6.075	0.785	1	4.769
TOTAL DEDUCTIONS (B1)					125.346
TYP. FLOOR NET FAR = (A1 - B1) = C1					550.589

Train
 DTP (HQ)
 Member Secretary
 BPAC

STP (HS)
 Special
 Invitee

Chairman
 BPAC

Checked and found ok for Public Health
 (Internal) Service only subject to comments in
 forwarding letter No. 316863, D. 26-11-24

Superintending Engineer (HQ)
 O/o Chief Engineer-I/II,
 HSPV, Panchkula.

SANCTIONED
 Vide Memo No. Dated

JD (H)
 DTP (H)
 STP (H)
 (MEMBER)
 (B.P.A.C.)

DTP (HQ)
 Member
 BPAC

