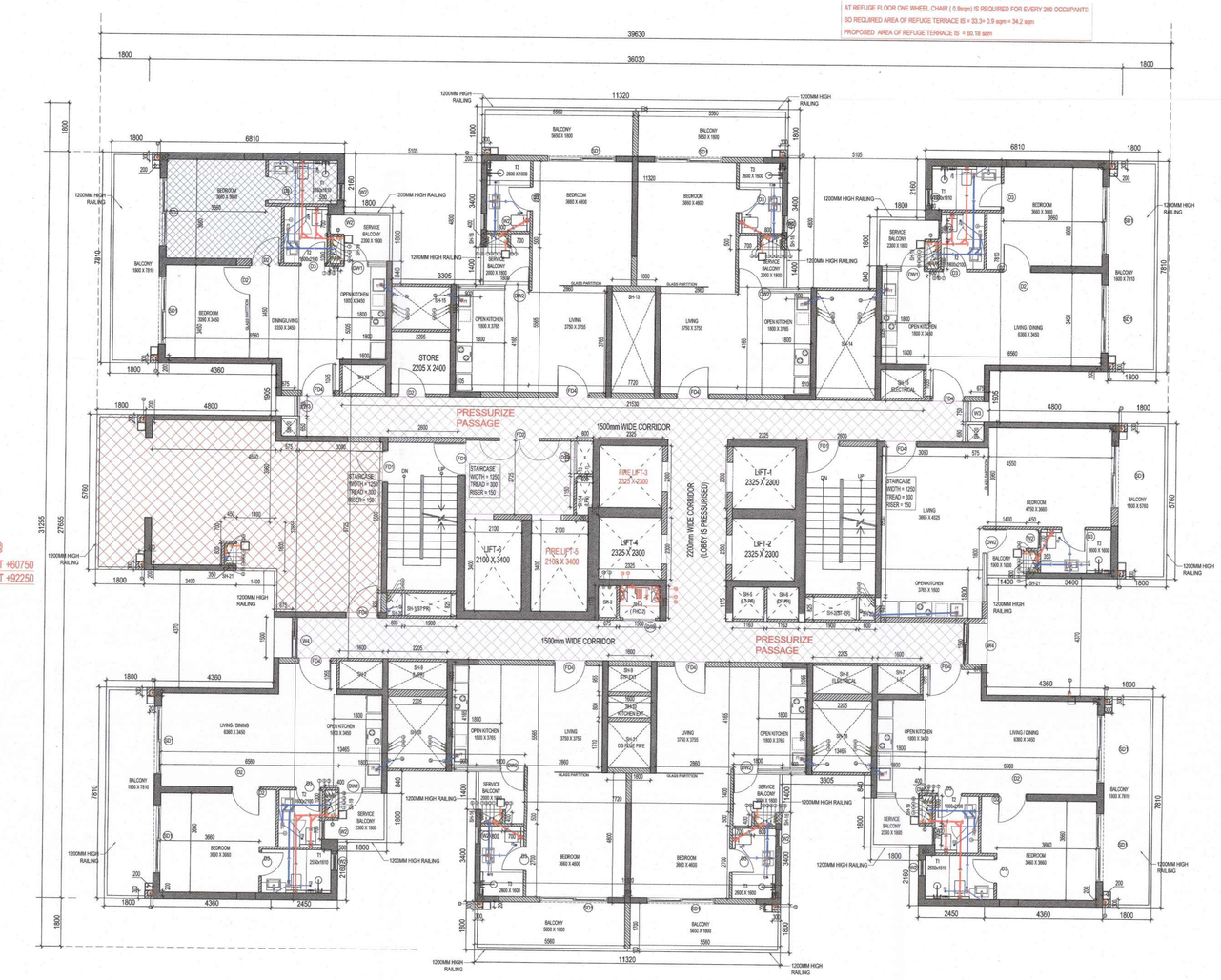
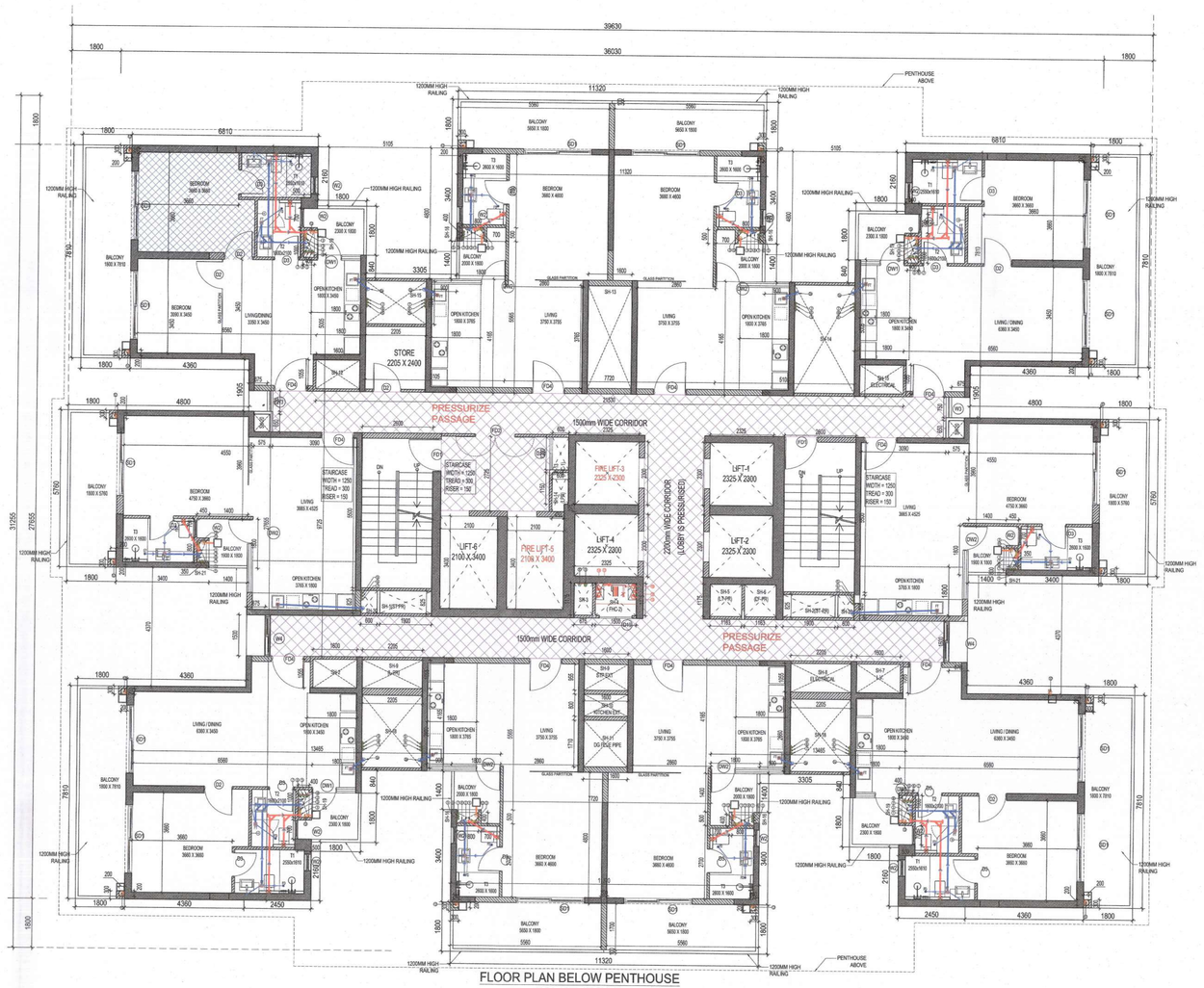
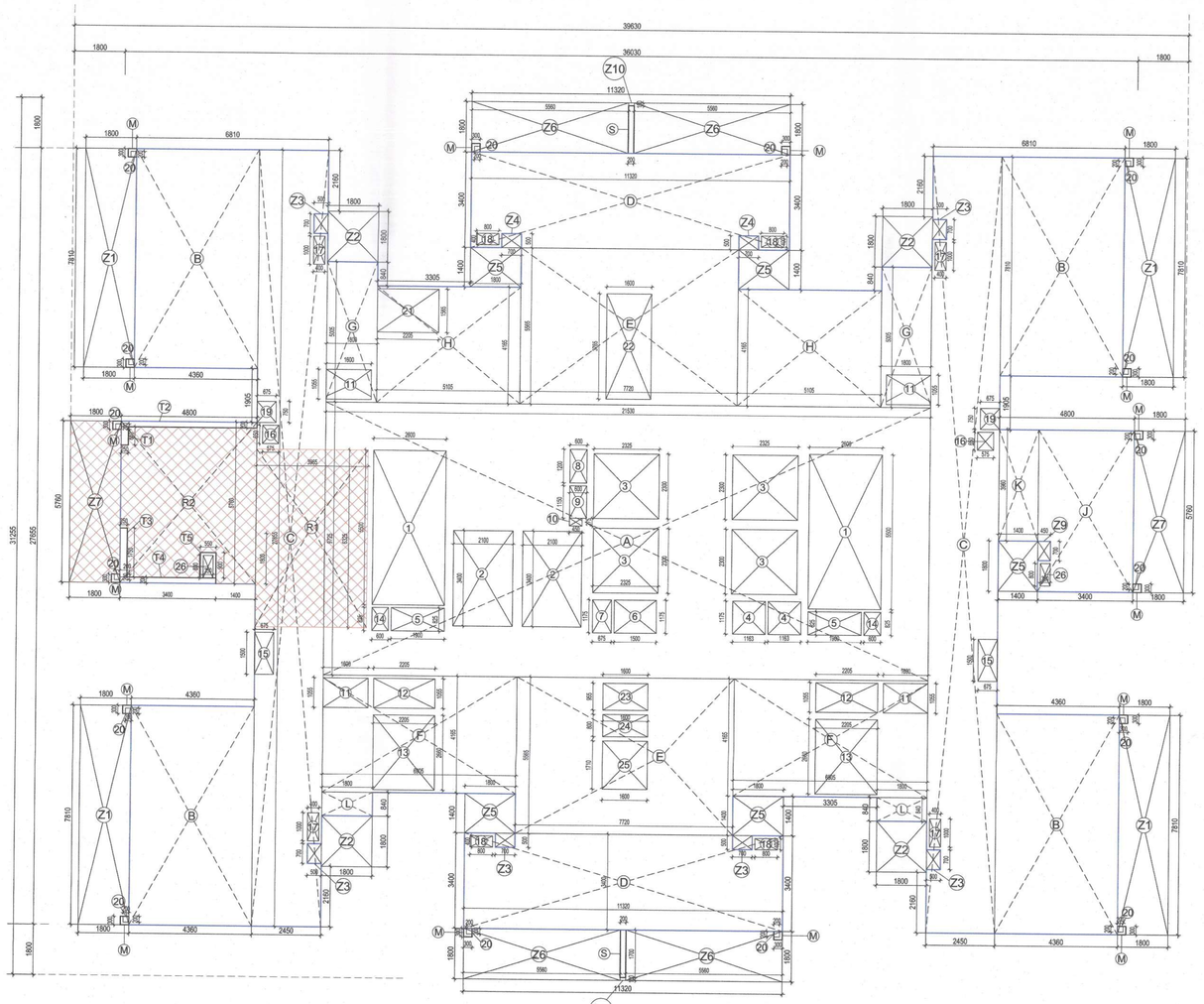
REFUGE AREA CALCULATION:
AREA OF TWO CONSECUTIVE FLOOR = 892.790 + 892.790 = 1785.58 sqm
TOTAL OCCUPANTS AT REFUGE TERRACE = 1548.304/12.5= 111 Nos. (@12.5 sqm)
AREA REQUIRED FOR ONE OCCUPANT = 0.3 sqm
TOTAL AREA OF REFUGE TERRACE REQUIRED = 111 X (0.3) = 33.3 sqm
AT REFUGE FLOOR ONE WHEEL CHAIR (0.8mpm) IS REQUIRED FOR EVERY 200 OCCUPANTS
SO REQUIRED AREA OF REFUGE TERRACE IS = 33.3+ 0.8 sqm = 34.2 sqm
PROPOSED AREA OF REFUGE TERRACE IS = 60.18 sqm



REFUGE FLOOR PLAN
SCALE 1:100
18 FLOOR LVL AT +60750
28 FLOOR LVL AT +92250



FLOOR PLAN BELOW PENTHOUSE
(32TH FLOOR)
SCALE 1:100



EXTRA FAR AT REFUGE TERRACE = REFUGE TERRACE FAR-REFUGE FAR-FREE FAR
= 60.18-34.2-Z7-Z5
= 60.18-34.2-10.368-2.52
=13.092

REFUGE FLOOR AREA DIAGRAM
SCALE 1:100

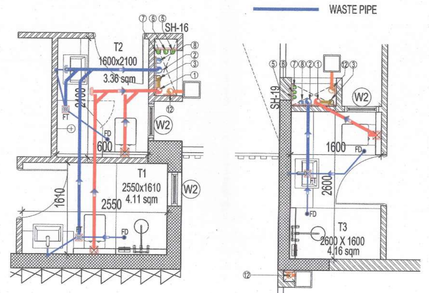
PLUMBING LEGEND		
SYMBOL		DESCRIPTION
R ①	----	100Ø SOIL & VENT PIPE
R ②	- - - -	100Ø WASTE & VENT PIPE
R ③	- - - -	100Ø WASTE & VENT PIPE FOR KITCHEN
● ①	———	75Ø VENT PIPE
● ④	———	40Ø DN. TAKE DOMESTIC WATER SUPPLY FOR TOP THREE FLOOR
● ⑤	———	40ØDN. TAKE DOMESTIC WATER SUPPLY 30TH TO 21TH FLOOR
● ⑥	———	40ØDN. TAKE DOMESTIC WATER SUPPLY 20TH TO 11TH FLOOR
● ⑦	———	40ØDN. TAKE DOMESTIC WATER SUPPLY 10TH TO GROUND FLOOR
● ⑧	———	40ØDN. TAKE FLUSHING WATER SUPPLY 33TH TO GROUND FLOOR
● ⑨	———	40ØDN. TAKE HOT WATER SUPPLY 33TH TO GROUND FLOOR
● ⑩	———	40ØDN. TAKE HOT WATER RETURN 33TH TO GROUND FLOOR
● ⑪	———	50ØDOMESTIC WATER SUPPLY RISER
● ⑫	———	50ØFLUSHING WATER SUPPLY RISER
● ⑬	———	160mm OD uPVC RAIN WATER PIPE FOR TERRACE
● ⑭	———	110mm OD uPVC RAIN WATER PIPE FOR BALCONY
FT	⊠	FLOOR TRAP
FD	●	FLOOR DRAIN
	⊠	CUTOUT SIZE 150x150mm

PIPE CONNECTION DIA :-	
WASH BASIN TO FT	32Ø WASTE PIPE
SINK TO FT	40Ø WASTE PIPE
FD TO FT WASTE PIPE	50Ø WASTE PIPE
FD TO VERTICAL PIPE	50Ø WASTE PIPE
FT TO VERTICAL WASTE PIPE	100Ø WASTE PIPE
WC TO VERTICAL SOIL PIPE	100Ø SOIL PIPE

TOWER REFUGE AREA (F.A.R. CALCULATION)				
LEGEND	LENGTH (m)	WIDTH (m)	Nos.	AREA (sqm)
ADDITIONS				
R1	3.965	6.325	1	25.079
R2	4.800	5.760	1	27.648
Z7	1.800	5.760	1	10.368
TOTAL ADDITIONS				63.095
SUBTRACTIONS				
T1	0.250	0.650	1	0.163
T2	4.800	0.200	1	0.960
T3	0.250	1.750	1	0.438
T4	3.400	0.200	1	0.680
T5	0.550	0.900	1	0.495
M	0.300	0.300	2	0.180
TOTAL				2.915
TOTAL SUBTRACTIONS				
TOWER REFUGE AREA				60.180

TOWER REFUGE FLOOR PLAN (F.A.R. CALCULATION)				
LEGEND	LENGTH (m)	WIDTH (m)	Nos.	AREA (sqm)
ADDITIONS				
A	21.530	9.725	1	209.379
B	4.360	7.810	4	136.206
C	2.450	27.655	2	135.510
D	11.320	3.400	2	76.976
E	7.720	5.565	2	85.924
F	6.905	4.165	2	57.519
G	1.800	5.005	2	18.018
H	5.105	4.165	2	42.525
J	3.400	5.780	1	19.584
K	1.400	3.960	1	5.544
L	1.800	0.840	2	3.024
M	0.300	0.300	16	1.440
S	0.200	1.700	2	0.680
T1	0.250	0.650	1	0.163
T2	4.800	0.200	1	0.960
T3	0.250	1.750	1	0.438
T4	3.400	0.200	1	0.680
T5	0.550	0.900	1	0.495
TOTAL ADDITIONS				795.063
SUBTRACTIONS				
1	2.600	5.500	2	28.600
2	2.100	3.400	2	14.280
3	2.325	2.300	4	21.390
4	1.163	1.175	2	2.733
5	1.900	0.825	2	3.135
6	1.500	1.175	1	1.763
7	0.675	1.175	1	0.793
8	0.600	1.200	1	0.720
9	0.600	1.150	1	0.690
10	0.450	0.275	1	0.124
11	1.600	1.055	4	6.752
12	2.205	1.055	2	4.653
13	2.205	2.660	2	11.731
14	0.600	0.825	2	0.990
15	0.675	1.500	2	2.025
16	0.575	0.650	2	0.748
17	0.400	1.000	4	1.600
18	0.800	0.400	4	1.280
19	0.675	0.750	2	1.013
20	0.200	0.200	16	0.640
21	2.205	1.565	1	3.451
22	1.600	3.765	1	6.024
23	1.600	0.955	1	1.528
24	1.600	0.800	1	1.280
25	1.600	1.710	1	2.736
26	0.350	0.800	2	0.560
Z3	0.500	0.700	6	2.100
Z4	0.700	0.500	2	0.700
Z9	0.450	0.700	1	0.315
R1	3.965	6.325	1	25.079
TOTAL SUBTRACTIONS				149.430
TOTAL F.A.R. AREA OF TOWER REFUGE FLOOR				645.633

REFUGE FLOOR FAR=645.633+13.092=658.725



TOILET 1 & 2
SCALE- 1:50

TOILET 3
SCALE- 1:50

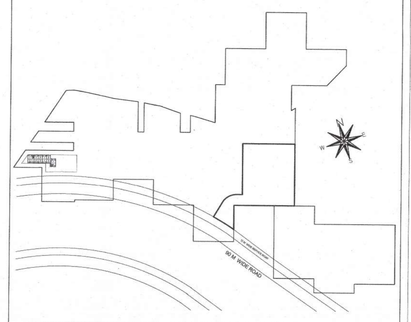
DOOR & WINDOW SCHEDULE					
S.NO.	NAME	SIZE (WXH)	SILL LVL.	LINTEL LVL.	TYPE
1	FD1	1200 X 2400		2400	
2	FD2	1500 X 2400		2400	
3	FD3	1200 X 2400		2400	
4	FD4	1200 X 2400		2400	1hr. FIRE RATED
5	D1	1200 X 2400		2400	
6	D2	1050 X 2400		2400	
7	D3	900 X 2400		2400	
8	D4	900 X 2400		2400	GLASS DOOR
9	D18	1500 X 2400		2400	
10	D19	1500 X 2400		2400	
11	W1	700 X 1200	1200	2400	
12	W2	600 X 1200	1200	2400	
13	W3	1500 X 1200	1200	2400	
14	SD1	2500 X 2400		2400	
15	DW1	1600 X 2400	900/0	2400	
16	DW2	2700 X 2400	900/0	2400	

AUTHORITY STAMP :

Member BPAC, Member BPAC, Member BPAC, Member BPAC

TO BE READ WITH THIS OFFICE MEMO NO.: 37600
DATED : 14-12-2022
Ram Avtar Bassi
JD(HQ)

KEY PLAN :



Building plans have been checked and found in order as per Public Health Services point of view.

EE(W/S) GMDA
EE(Drainage) GMDA
EE(Sewer) GMDA
EE(Nodal Officer) Infra-II, GMDA
CE(Infra-II) GMDA

PROJECT ARCHITECT:-
rajeev agarwal architects
j -1963, chittaranjan park
new delhi - 110019
tel: 011- 40526848
website: www.rajeevagarwal.com

STRUCTURE
NNC DESIGN INTERNATIONAL
CONSULTING STRUCTURAL ENGINEERS
G-70, 2nd FLOOR, JAYANT PLAZA, NEAR RAJDHANI KUNJ
MAIN SARITA VIHAR ROAD, OKHLA, NEW DELHI-110025
PHONE NO.: +91-11-26940734/5/6/7/8 FAX: 26940738
E-Mail : nnc_consultants@hotmail.com
Web : www.nncdesigninternational.com

MEP Consultants
PDA
190, 2nd Floor, F.I.E, Patparganj
Industrial Area, Delhi – 110092.
M- 9717071532; Tel/Fax :
+91-11-42408301 -2

PROJECT LANDSCAPE CONSULTANTS
Greenbox Designs
P-1/23, DLF City Phase 2
Gurgaon
Haryana, India

PROJECT TITLE
REVISED Building Plans Of Group Housing Colony
Area Measuring 27.48125 Acres
(25.10 Acres Under Licence No.39 of 2013 Dated 04.06.2013 and 2.38125 Acres Under
Licence No. 85 of 2014 Dated 08.08.2014) in Sector-36-A, Gurgaon Manesar Urban Complex Being Developed By BLUEJAYS REALTECH PVT. LTD.
Being Codeveloped By
(KRISUMI CORPORATION PVT. LTD.)

ARCHITECT'S SIGNATURE / STAMP :
RAJEEV KUMAR AGARWAL
ARCHITECT CA/88/11915

STRUCTURE CONSULTANT SIGNATURE / STAMP :

OWNER SIGNATURE / STAMP :
For KRISUMI CORPORATION PVT. LTD.
Authorised Signatory

DDA(HQ)
Member
BPAC

DRAWING TITLE :
REFUGE FLOOR PLAN &
FLOOR BELOW PENHOUE

SCALE
1:100

DATE
11 - JUN. - 2022

DRAWING NO.
BK-3

RELEASED FOR -
- [ ] INFORMATION
- [ ] EIA
- [ ] TENDER
- [ ] ADVANCE COPY
- [x] SUBMISSION DRG.
- [ ] GFC