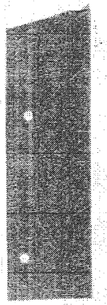
FIRE FIGHTING



FAR CALCULATIONS OF EACH BUILDING BLOCK (SQM)								
BUILDING BLOCK	TOWER A & B	TOWER A & B	TOWER C & C WING	TOWER C & D CENTER	EWS	COMMUNITY BUILDING	COMMERCIAL	GATEHOUSE
NO. OF FLOORS	G+11	G+17	G+17	G+15	STILT+6	G+1	G	G
TOTAL BLOCKS	1	1	2	1	1	1	1	1
FLOORS								
1ST FLOOR								
GROUND FLOOR	7,126.04	7,126.04	7,126.04	6,126.15	6,126.15	1,028.364	291.276	63.705
1STFLOOR	6,475.02	6,475.02	6,475.02	5,475.02	5,475.02	287.415		
2ndFLOOR	6,475.02	6,475.02	6,475.02	5,475.02	5,475.02			
3rdFLOOR	6,475.02	6,475.02	6,475.02	5,475.02	5,475.02			
4thFLOOR	6,475.02	6,475.02	6,475.02	5,475.02	5,475.02			
5thFLOOR	6,475.02	6,475.02	6,475.02	5,475.02	5,475.02			
6thFLOOR	6,475.02	6,475.02	6,475.02	5,475.02	5,475.02			
7thFLOOR	6,475.02	6,475.02	6,475.02	5,475.02	5,475.02			
8thFLOOR	6,475.02	6,475.02	6,475.02	5,475.02	5,475.02			
9thFLOOR	6,475.02	6,475.02	6,475.02	5,475.02	5,475.02			
10thFLOOR	6,475.02	6,475.02	6,475.02	5,475.02	5,475.02			
11thFLOOR	6,475.02	6,475.02	6,475.02	5,475.02	5,475.02			
12thFLOOR		6,475.02	6,475.02	5,475.02	5,475.02			
13thFLOOR		6,475.02	6,475.02	5,475.02	5,475.02			
14thFLOOR		6,475.02	6,475.02	5,475.02	5,475.02			
15thFLOOR			6,475.02	5,475.02	5,475.02			
16thFLOOR			6,475.02	5,475.02	5,475.02			
17thFLOOR			6,475.02	5,475.02	5,475.02			
AREA / BLOCK	70,364.22	106,413.41	112,251.41	91,114.41	96,763.83	1,315.779	291.276	63.705
ARE AREA IN ALL BLOCKS								
= AREA / BLOCK * NO. OF BLOCKS	70,364.22	106,413.41	224,502.82	91,114.41	96,763.83	1,315.779	291.276	63.705
TOTAL FAR	870,013.57 SQ.M							

DU CALCULATIONS					
BUILDING BLOCK	TOWER A & B	TOWER A & B	TOWER A & B WING	TOWER C & D CENTER	
NO. OF FLOORS	G+11	G+17	G+17	G+15	
TOTAL BLOCKS	1	1	2	1	
FLOORS					
1ST FLOOR					
GROUND FLOOR	4	4	4	4	20
1STFLOOR	4	4	4	4	20
2ndFLOOR	4	4	4	4	20
3rdFLOOR	4	4	4	4	20
4thFLOOR	4	4	4	4	20
5thFLOOR	4	4	4	4	20
6thFLOOR	4	4	4	4	20
7thFLOOR	4	4	4	4	20
8thFLOOR	4	4	4	4	20
9thFLOOR	4	4	4	4	20
10thFLOOR	4	4	4	4	20
11thFLOOR	4	4	4	4	20
12thFLOOR		4	4	4	12
13thFLOOR		4	4	4	12
14thFLOOR		4	4	4	12
15thFLOOR			4	4	8
16thFLOOR			4	4	8
17thFLOOR			4	4	8
BASEMENT	NUMBER OF		12	12	24
PARKING					
2BK/BLOCK	108	212	212	108	640
3BK/BLOCK					
TOTAL ALL PARKING					
= BASEMENT / NO. OF BLOCKS	216	212	424	216	1068
TOTAL 2BK			2880 Nos.		
			144,000 Sq.ft.		
REQUIRED 2WS WATER IN LITS. OF TOTAL			576,000 LITRS		
			144,000		
			144,000 Imp. Gal.		
PROPOSED 2WS UNIT					540Nos.
REQUIRED SERVICE PERSONNEL OF 2BK			8,424		67,392Nos.
PROPOSED SERVICE PERSONNEL					50Nos.

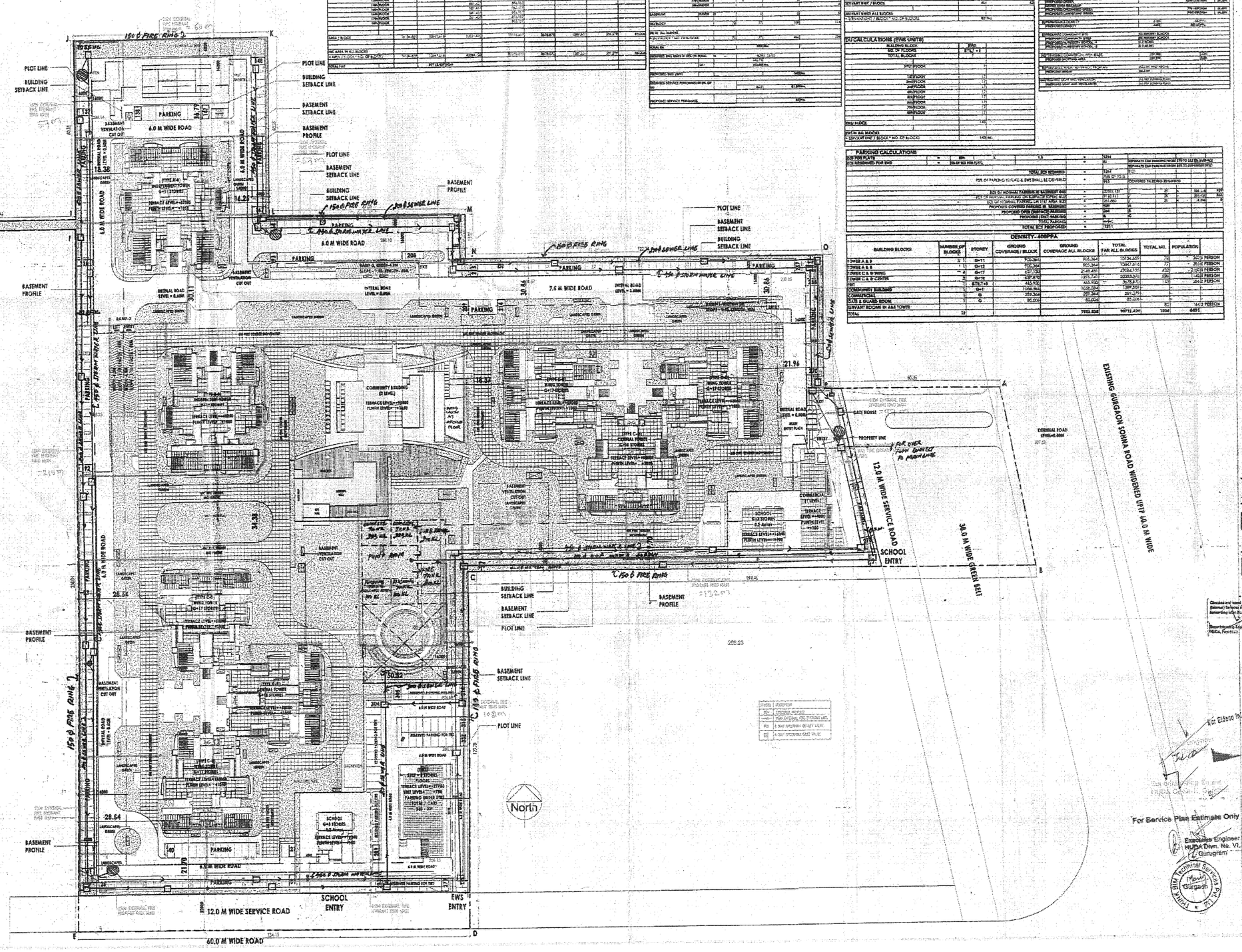
DU CALCULATIONS (SERVANT ROOM)			
BUILDING BLOCK		TOWER A & B	
NO. OF FLOORS	G+11	G+11	
TOTAL BLOCKS	1	1	
FLOORS			
1ST FLOOR			
GROUND FLOOR	4	4	
1STFLOOR	4	4	
2ndFLOOR	4	4	
3rdFLOOR	4	4	
4thFLOOR	4	4	
5thFLOOR	4	4	
6thFLOOR	4	4	
7thFLOOR	4	4	
8thFLOOR	4	4	
9thFLOOR	4	4	
10thFLOOR	4	4	
11thFLOOR	4	4	
12thFLOOR		4	
13thFLOOR		4	
SERVANT UNIT / BLOCK	40	44	
SERVANT UNITS ALL BLOCKS			
= SERVANT UNIT / BLOCK * NO. OF BLOCKS	40 Nos.		

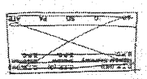
DU CALCULATIONS (EWS UNITS)	
BUILDING BLOCK	EWS
NO. OF FLOORS	STILT + 6
TOTAL BLOCKS	1
FLOORS	
1ST FLOOR	12
1STFLOOR	12
2ndFLOOR	12
3rdFLOOR	12
4thFLOOR	12
5thFLOOR	12
6thFLOOR	12
7thFLOOR	12
8thFLOOR	12
EWS / BLOCK	140
EWS IN ALL BLOCKS	
= SERVANT UNIT / BLOCK * NO. OF BLOCKS	140 Nos.

AREA SUMMARY			
TOTAL AREA OF SITE ON PROPOSED CENTRE GRANTED	52,743.5	30,743.5	
TOTAL FREE FOR FAR & DENSITY CALCULATION	52,743.5	30,743.5	
	4.047 Ac.	3.048	
DEDUCTIONS			
DEDUCTIONS GROUND COVERAGE AND DENSITY AREA	-	30,743.5	
PROPOSED BASIC TOWN PLAN	-	22,000.0	71.54%
TOTAL AREA A & F FOR CALCULATION	-	30,743.5	
PROPOSED FAR	-	870,013.57	
TOTAL DU'S	-	1068	
DENSITY DU'S / Ac.			
PROPOSED A & F UNIT	-	1068	
MINIMUM DEPTH OF SITE (FOR DU'S)	-	172.5m	
PROPOSED DEPTH	-	172.5m	
MINIMUM WIDTH OF SITE (FOR DU'S)	-	178m	
PROPOSED WIDTH	-	178m	
MINIMUM FRONTAGE (FOR DU'S) PROPOSED FRONTAGE	-	151.5m	
PROPOSED COVERED PARKING	-	1068	
MINIMUM DEPTH OF SITE (FOR DU'S)		172.5m	
PROPOSED DEPTH		172.5m	
MINIMUM WIDTH OF SITE (FOR DU'S)		178m	10.28%
PROPOSED WIDTH		178m	
MINIMUM FRONTAGE (FOR DU'S)		151.5m	15.00%
PROPOSED FRONTAGE		151.5m	15.00%
MINIMUM DEPTH OF SITE (FOR DU'S)		172.5m	
PROPOSED DEPTH		172.5m	
MINIMUM WIDTH OF SITE (FOR DU'S)		178m	
PROPOSED WIDTH		178m	
MINIMUM FRONTAGE (FOR DU'S)		151.5m	
PROPOSED FRONTAGE		151.5m	
MINIMUM DEPTH OF SITE (FOR DU'S)		172.5m	
PROPOSED DEPTH		172.5m	
MINIMUM WIDTH OF SITE (FOR DU'S)		178m	
PROPOSED WIDTH		178m	
MINIMUM FRONTAGE (FOR DU'S)		151.5m	
PROPOSED FRONTAGE		151.5m	

PARKING CALCULATIONS						
ECS FOR PLOTS	=	20%	x	1.5	=	1284
ECS RESERVED FOR EWS	=	5% OF ECS PER FLATS			=	64
TOTAL ECS REQUIRED					=	1284
					=	642 (37.5%)
FOR OF PARKING IN FLATS & ENTS SHALL BE COVERED					=	642
ECS BY NORMAL PARKING OF MAXIMUM 40%					=	2,570.1,137
PER OF NORMAL PARKING ON EXPIRY OF PLOT 4.25					=	27,18.51
ECS OF NORMAL PARKING LIFT PER AREA 0.25					=	251,000
PROPOSED COVERED PARKING IN BASEMENT					=	1068
PROPOSED OPEN (SURFACE) PARKING					=	384
PROPOSED (TOT) PARKING					=	1452
TOTAL PARKING					=	4+3+C
TOTAL ECS PROPOSED					=	1211

DENSITY-400PPA							
BUILDING BLOCKS	NUMBER OF BLOCKS	STOREY	GROUND COVERAGE / BLOCK	GROUND COVERAGE ALL BLOCKS	TOTAL FAR ALL BLOCKS	TOTAL NO.	POPULATION
TOWER A & B	1	G+11	910.364	910.364	10124.459	72	3013 PERSON
TOWER A & B	1	G+17	910.364	910.364	10867.414	72	3013 PERSON
TOWER C & D WING	2	G+17	637.126	1,274.251	20804.170	432	12,078 PERSON
TOWER C & D CENTER	2	G+15	637.126	1,275.241	20223.570	216	1,458 PERSON
EWS	1	STILT+6	463.932	463.932	3076.613	140	294.3 PERSON
COMMUNITY BUILDING	1	G+1	1028.364	1028.364	1389.381	-	-
COMMERCIAL	1	G	291.364	291.364	291.276	-	-
GATE & GUARD ROOM	1	G	63.705	63.705	63.705	-	-
SERVANT ROOMS IN ABE TOWER						87	1443 PERSON
TOTAL	10			7903.838	96713.434	1284	6091





DLC D.T.P (HQ) Member Secretary S.P.C.

S.T.P.(T) Member S.P.C.

C.T.P. (HL) Chairman S.P.C.

AC JD BD PA ATP

Client/Developer
ELDECO SOHNA PROJECTS LIMITED

Architect
Bias

MEP Consultant
ADG

Structural Consultant
TPC TECHNICAL PROJECTS CONSULTANTS (P) LTD.

SUBMISSION DRAWING

Architect's Signature: ASHWANI AWASTHI
Client's Signature: ELDECO SOHNA PROJECTS LTD. DIRECTOR
Director/Authorised Signatory

Key Plan

Checked subject to comments in forwarding letter No. ... dt. ... attached with the estimate

For Eldeco Infrastructure & Properties Ltd.

Authorised Signatory

Sub-Divisional Engineer (HS) HSIIDC

Project Name
PROPOSED BUILDING PLAN OF GROUP HOUSING COLONY AREA MEASURING 52.743 ACRES (LICENSE NO. 83 OF 2010 DATED [illegible] IN SECTION 5 SOHNA KNOWN DEVELOPED BY ELDECO SOHNA PROJECTS LIMITED

Project Address

Drawing Title
SITE PLAN
FIRE FIGHTING LAYOUT

Drawn by

Checked by

Scale 1:400

Date Mar 12, 2014

Drawing No.
A100

For Service Plan Estimate Only

Executive Engineer HUDA Divn. No. VI Gurugram

Town and Country Planning, Haryana, Chandigarh