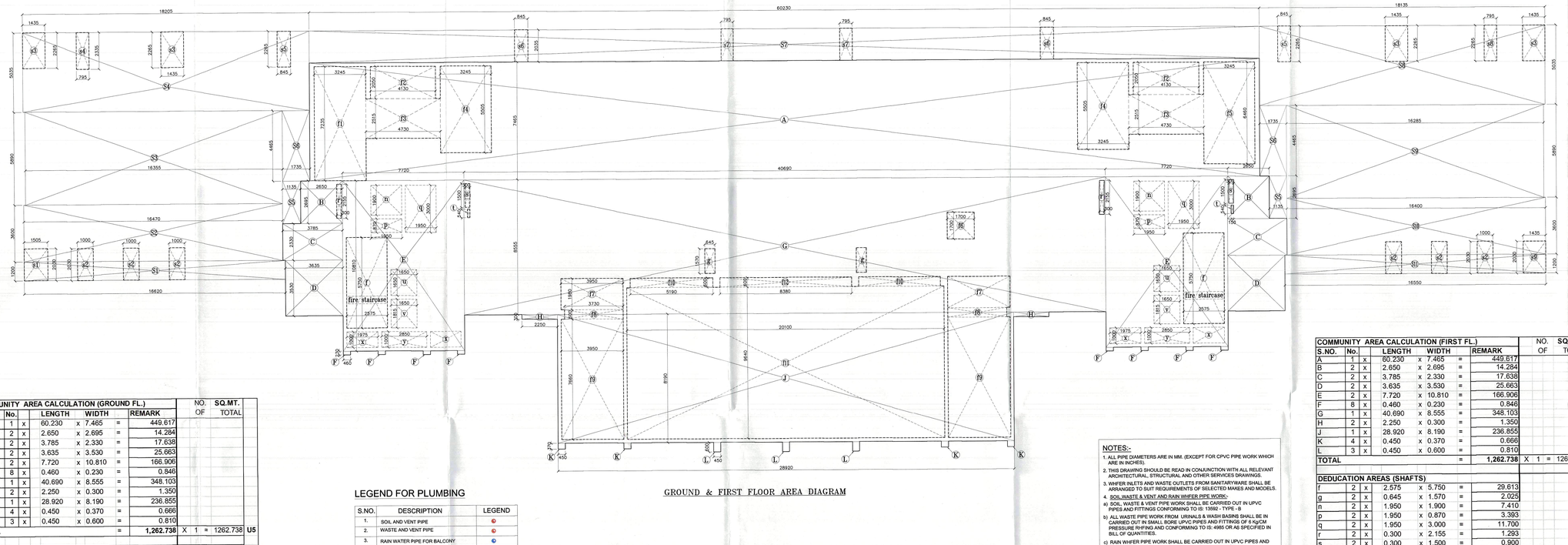
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



GROUND & FIRST FLOOR AREA DIAGRAM

Architect (HQ)
(BALWANT SINGH)
S.D.

SCHEDULE OF PIPES

PIPE NO.	DESCRIPTION	DIA(mm)
1	SOIL & VENT PIPE	160
2	WASTE & VENT PIPE	110
3	RAIN WATER PIPE FOR TERRACE	110
4	RAIN WATER PIPE FOR BALCONY	110
5	COLD WATER SUPPLY RISER TO OHT.	65
6	COLD WATER SUPPLY DROP FROM OHT.	*
7	FLUSH WATER SUPPLY DROP FROM OHT.	*
8	FLUSHING WATER SUPPLY RISER TO OHT.	50
9	WET RISER FOR FIRE HYDRANTS	150
10	WET RISER FOR SPRINKLERS	150
11	SPRINKLERS DRAIN PIPE	80
12	DOWN COMER PIPE FOR SPRINKLERS	150

* AS PER WATER DISTRIBUTION DIAGRAM.

COMMUNITY AREA CALCULATION (GROUND FL.)								NO. OF	SQ.MT. TOTAL	
S.NO.	No.		LENGTH		WIDTH		REMARK			
A	1	x	60.230	x	7.465	=	449.617			
B	2	x	2.650	x	2.695	=	14.284			
C	2	x	3.785	x	2.330	=	17.638			
D	2	x	3.635	x	3.530	=	25.663			
E	2	x	7.720	x	10.810	=	166.906			
F	8	x	0.460	x	0.230	=	0.846			
G	1	x	40.690	x	8.555	=	348.103			
H	2	x	2.250	x	0.300	=	1.350			
J	1	x	28.920	x	8.190	=	236.855			
K	4	x	0.450	x	0.370	=	0.666			
L	3	x	0.450	x	0.600	=	0.810			
TOTAL						=	1,262.738	X 1 =	1262.738	U5
DEDUCATION AREAS (SHAFTS)										
f	2	x	2.575	x	5.750	=	29.613			
g	2	x	0.645	x	1.570	=	2.025			
n	2	x	1.950	x	1.900	=	7.410			
p	2	x	1.950	x	0.870	=	3.393			
q	2	x	1.950	x	3.000	=	11.700			
r	2	x	0.300	x	2.155	=	1.293			
s	2	x	0.300	x	1.500	=	0.900			
t	2	x	0.150	x	0.540	=	0.162			
u	2	x	1.650	x	1.650	=	5.445			
v	2	x	1.650	x	1.815	=	5.990			
x	4	x	1.975	x	1.000	=	7.900			
y	2	x	2.850	x	1.000	=	5.700			
TOTAL						=	81.530	X 1 =	81.530	S5
NET AREA	= 1,262.738 - 81.530 =						1,181.208	X 1 =	1181.208	C1

LEGEND FOR PLUMBING

S.NO.	DESCRIPTION	LEGEND
1.	SOIL AND VENT PIPE	
2.	WASTE AND VENT PIPE	
3.	RAIN WATER PIPE FOR BALCONY	
4.	RAIN WATER PIPE	
5	COLD WATER SUPPLY RISER TO OHT	
6.	COLD WATER SUPPLY DROP FROM OHT	
7.	FLOOR TRAP	FT
8.	DRAIN POINT	DP
9.	FIRE HOSE CABINET	FHC
10.	SHOWER	
11.	GEYSER	G
12.	ABLUTION TAP	AT
13.	ISOLATING VALVE	
14.	COLD WATER SUPPLY LINE	
15.	FLUSHING WATER SUPPLY LINE	
16.	DRAINAGE LINE	
18.	SEWERAGE LINE	
19.	MANHOLE SIZE - (900X800 TYPICAL)	M.H.
20.	RAIN WATER COLLECTION CHAMBER SIZE - (6000X450 TYPICAL)	R.W.C.C.

FIRE PIPE SCHEDULE

PIPE NO.	DESCRIPTION	DIA (MM)
F1	WET RISER FOR FIRE HYDRANTS	150
F2	WET RISER FOR FIRE SPRINKLERS SYSTEM	150
F3	DRAIN PIPE	80
F4	DOWN COMER FOR SPRINKLERS SYSTEM	150

NOTES:-

1. ALL PIPE DIAMETERS ARE IN MM. (EXCEPT FOR CPVC PIPE WORK WHICH ARE IN INCHES).
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL AND OTHER SERVICES DRAWINGS.
3. WHIFER INLETS AND WASTE OUTLETS FROM SANITARYWARE SHALL BE ARRANGED TO SUIT REQUIREMENTS OF SELECTED MAKES AND MODELS.
4. SOIL,WASTE & VENT AND RAIN WHIFER PIPE WORK:-
   a) SOIL, WASTE & VENT PIPE WORK SHALL BE CARRIED OUT IN UPVC PIPES AND FITTINGS CONFORMING TO IS: 13592 - TYPE - B
   b) ALL WASTE PIPE WORK FROM URINALS & WASH BASINS SHALL BE IN CARRIED OUT IN SMALL BORE UPVC PIPES AND FITTINGS OF 6 Kg/CM PRESSURE RHFING AND CONFORMING TO IS: 4985 OR AS SPECIFIED IN BILL OF QUANTITIES.
   c) RAIN WHIFER PIPE WORK SHALL BE CARRIED OUT IN UPVC PIPES AND FITTINGS CONFORMING TO IS: 13592 - TYPE - A AND IS: 4985 AS SPECIFIED IN BILL OF QUANTITES.
   d) FLOOR TRAPS:- ALL FLOOR TRAPS SHALL BE FORMED OF 110X110 MM. DIA. 'P' TRAP WITH 110 MM. DIA UPVC PIPE EXTENSION PIECE FOR SIDE INLETS, AS PER STANDARD DETAIL.
   e) DRAIN POINTS:- DRAIN POINT SHALL BE FORMED WITH 110X63 MM. UPVC RECEPTACLE (ALTERNHFIVELY 110X63 MM SHALLOW NAHANI TRAP NOT MORE THAN 3.5 INCH HIGH) AND PROVIDED WITH 125 MM DIA C.P. GRIFFING WITH FRAME.
   f) ALL HORIZONTAL SOIL AND WASTE PIPES SHALL BE LAID TO A SLOPE NOT FLHFTER THAN 1:50 AND NOT STEEPER THAN 1:10 UNLESS SPECIFIED.
5. WHIFER SUPPLY PIPE WORK:-
   a) CPVC PIPES AND FITTING (SDR-11 UP TO 2 INCH DIA. AND SCH - 40 ABOVE 2 INCH DIA.) OR AS SPECIFIED IN BILL OF QUANTITIES (WITH IN THE TOILETS)
   b) ALL PIPE WORK RUNNING ON TERRACE AND IN SHAFTS SHALL BE CARRIED OUT IN GI. (MEDIUM CLASS) PIPES AND FITTING CONFORMING TO RELEVANT IS CODE.
   c) NO PIPE WORK SHALL BE CONCEALED IN WALLS OR BURIED IN FLOORS WITHOUT BEING SUBJECTED TO WHIFER TESTING AS PER THE DIRECTION OF THE SITE ENGINEER
   d) INSULHFION:- ALL HOT WHIFER SUPPLY PIPES CONCEALED IN WALLS AND SUSPENDED WITH CEILING SHOULD BE INSULHFED WITH 9 MM THICK PREFORMED PIPES SLEEVE OF EXTENDED SYNTHETIC RUBBER POLYMERIC COMPOUND.
   e) ALL WHIFER SUPPLY CONNECTION TO EACH TOILET SHALL BE TAKEN ABOVE FALSE CEILING LEVEL AND PROVIDED WITH A BALL VALVE DROPS FOR FIXTURES/FAUCETS SHALL BE TAKEN IN VERTICAL CHASES.
   f) PIPES ON TERRACE SHALL BE SUPPORTED ON CONCRETE/BRICK PEDESTALS HF EVERY CHANGE OF DIRECTION AND HF AN INTERVAL OF 1500 MM. ON STRAIGHT RUNS.

COMMUNITY AREA CALCULATION (FIRST FL.)								NO. OF	SQ.MT. TOTAL	
S.NO.	No.		LENGTH		WIDTH		REMARK			
A	1	x	60.230	x	7.465	=	449.617			
B	2	x	2.650	x	2.695	=	14.284			
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D	2	x	3.635	x	3.530	=	25.663			
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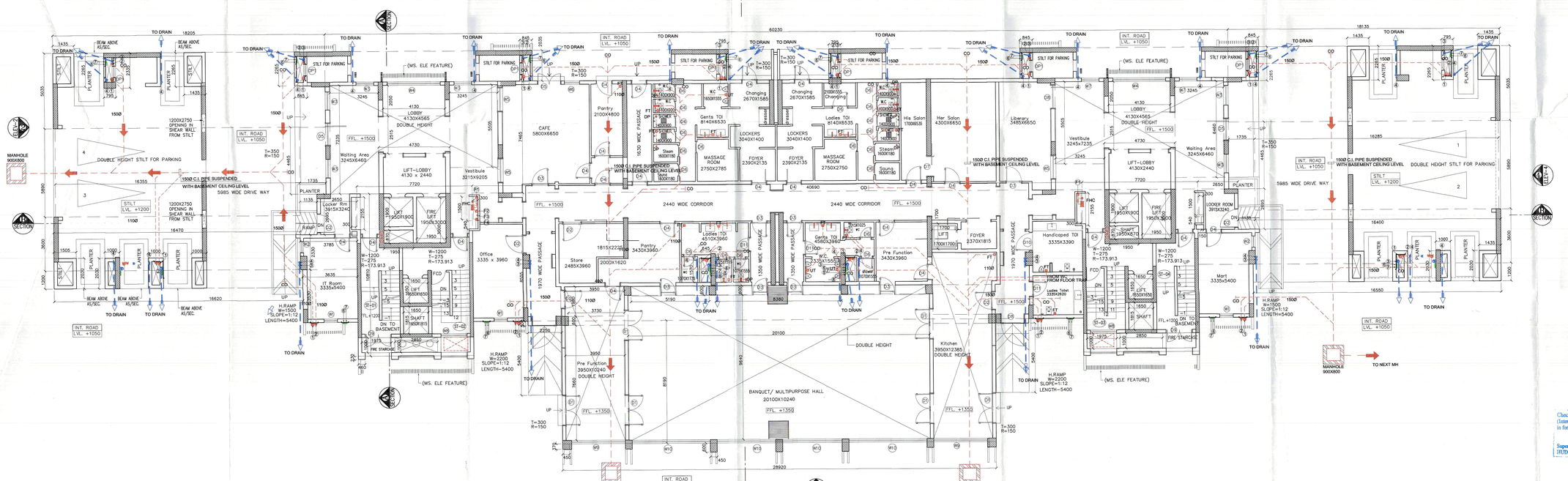
F	8	x	0.460	x	0.230	=	0.846			
G	1	x	40.690	x	8.555	=	348.103			
H	2	x	2.250	x	0.300	=	1.350			
J	1	x	28.920	x	8.190	=	236.855			
K	4	x	0.450	x	0.370	=	0.666			
L	3	x	0.450	x	0.600	=	0.810			
TOTAL						=	1,262.738	X 1 =	1262.738	U6
DEDUCATION AREAS (SHAFTS)										
f	2	x	2.575	x	5.750	=	29.613			
g	2	x	0.645	x	1.570	=	2.025			
n	2	x	1.950	x	1.900	=	7.410			
p	2	x	1.950	x	0.870	=	3.393			
q	2	x	1.950	x	3.000	=	11.700			
r	2	x	0.300	x	2.155	=	1.293			
s	2	x	0.300	x	1.500	=	0.900			
t	2	x	0.150	x	0.540	=	0.162			
u	2	x	1.650	x	1.650	=	5.445			
v	2	x	1.650	x	1.815	=	5.990			
x	4	x	1.975	x	1.000	=	7.900			
y	2	x	2.850	x	1.000	=	5.700			
f1	1	x	3.245	x	7.235	=	23.478			
f2	2	x	4.130	x	2.050	=	16.933			
f3	2	x	4.730	x	2.515	=	23.792			
f4	2	x	3.245	x	5.505	=	35.727			
f5	1	x	3.245	x	6.460	=	20.963			
f6	1	x	1.700	x	1.700	=	2.890			
f7	2	x	3.950	x	1.980	=	15.642			
f8	2	x	3.730	x	0.600	=	4.476			
f9	2	x	3.950	x	7.660	=	60.514			
f10	2	x	5.190	x	0.600	=	6.228			
f11	1	x	20.100	x	9.640	=	193.764			
f12	1	x	8.380	x	0.600	=	5.028			
TOTAL						=	490.965	X 1 =	490.965	S6
NET AREA	= 1,262.738 - 490.965 =						771.773	X 1 =	771.773	C2

OPENING SCHEDULE FOR GROUND FL. & 1ST FLOOR

TYPE	SIZE	OLL	LINTEL	REMARK
DW1	9465 X 2700	--	2700	GYM
DW2	9590 X 2700	--	2700	KITCHEN
FCD	1000 X 2700	--	2700	STAIR
D1	2000 X 2700	--	2700	BANQUET
D2	1200 X 2700	--	2700	PRE FUNCTION/KIT
D3	1100 X 2700	--	2700	BANQUET
D4	1000 X 2700	--	2700	HER SALON/OFFC
D5	1500 X 2700	--	2700	ENT.
D6	750 X 2700	--	2700	TOI
D7	1400 X 2700	--	2700	CAFE SALON (SLIDING)
D8	1600 X 2700	--	2700	LIBERARY/ENT.
D9	1745 X 2700	--	2700	FIRE STAIR
D10	1230 X 2700	--	2700	H.TOI
D11	900 X 2700	--	2700	TOI
D12	1685 X 2700	--	2700	STORE
D13	750 X 2700	--	2700	TOI (SLIDING)
D14	800 X 2700	--	2700	FIRE ROOM
W1	900 X 1950	750	2700	IT ROOM
W2	750 X 1950	750	2700	IT ROOM
W3	1200 X 2400	300	2700	ENT. LOBBY
W4	3500 X 2400	300	2700	ENT. LOBBY
W5	1650 X 1950	750	2700	CAFE
W6	1000 X 1950	750	2700	CAFE
W7	1150 X 2400	300	2700	CAFE
W8	1745 X 1650	1050	2700	STAIRCASE
W9	3580 X 1950	750	2700	BANQUET
W10	5190 X 1950	750	2700	BANQUET
W11	3965 X 1950	750	2700	BANQUET
W12	5070 X 1950	750	2700	HOME THEATRE
W13	2075 X 1950	750	2700	GYM
W14	3265 X 1950	750	2700	MEETING ROOM
W15	1485 X 1950	750	2700	MEETING ROOM
OP1	750 X 1650	1050	2700	SHAFT

NOTE:-ALL TOILETS,KITCHEN AND PANTRY TO BE MECHANICALLY VENTILATED



GROUND FLOOR PLAN

ARCHITECT,S SIGN
BHUPENDERA KUMAR
ARCHITECT
CA/2004/33978

CLIENT'S SIGN
For Essel Housing Projects Pvt. Ltd.
Director/Auth. Sign.

CLIENT

REVISED /PROPOSED TOWER Q1,Q2,R1,R2,R3,R4,S1,S2 & T GROUP HOUSING COLONY FOR AN ADDITIONAL AREA MEASURING 1.75 ACRES (LICENCE NO. LC-224(G)-PA(SN)2016/20025 DATED 22-09-2016 AND ADDITIONAL AREA MEASURING 0.19375 ACRE (LICENCE NO.LC-224(F)-PA(SN)2016/20030 DATED 22-09-2016) IN ALREADY LICENCE GRANTED GROUP HOUSING COLONY MEASURING 34.575 ACRES (LICENSE NO. 48 OF 1995, DATED 20.12.1995, LICENSE NO. 61 OF 2004, DATED 01.06.2004 AND LICENSE NO.32 & 33 OF 2009, DATED 11.07.2009), TOTAL AREA 36.51875 ACRES IN SECTOR-28, GURGAON-MANESAR URBAN COMPLEX BEING DEVELOPED BY ESSEL HOUSING PROJECTS (P) LTD. IN COLLABORATION WITH SH. BANBIR SINGH & SH. AJAY AND MOONLIGHT CONTINENTAL PVT. LTD.

BUILDING NO. Q1 & Q2

SHEET TITLE GROUND FLOOR PLAN & AREA CALCULATION

Checked and found ok by Public Health (Internal) Service only. No comments in in forwarded form. 14/1/17

Superintending Engineer HUDA, Panchkula.

DRAWN	SCALE	JOB NO
	1: 100	
CHECKED	DATE	DRG. NO
	14-01-17	ET-SD-05

ARCHITECT
SAHA & ASSOCIATES
ARCHITECTS,PLANNERS & INT. DESIGNERS
D-22, PAMPOSH ENCLAVE,(L.G.F.)
NEW DELHI-110048
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