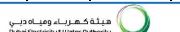


SUMMARY

<u>DETAIL OF CONNECTED LOAD/MAX. DEMAND & kWh METERING</u>												AREA: NADD AL SHIBA THIRDDUBAI, UAE								
PROJECT: PROJECT: G1 FAMILY VILLA												OWNER: .								
MAIN CONSULTANT: .												PLOT NO.: .								
TOTAL LOAD SUMMARY												MEP CONSULTANT: .								
CIRCUIT/ FEEDER DB NO.	SP/ TP	RATING-AMPS		FAULT DUTY kA	PVC/* XLPE	CABLE SIZE		LENGTH OF CABLE (Mtrs.)	ECC SIZE-	CONNECTED LOAD kW				DEMAND FACTOR	PROPOSED TYPE & No. OF kWh METERS				REMARKS	
		F/S ISO	MCCB ACB		SWA/ PVC/	2/4 X 1C mm ²	2/3/4C mm ²		1C, mm ²	R - PH KW	Y - PH KW	B - PH KW	TOTAL KW		Max DEMAND	1 - PH (1)	3 - PH (2)	3 - PH (3)		LV/HV CT (4)
OUT GOING :-																				
METER-1	TP		200 300	50	BY DEWA			2x1Cx95	46.39	46.53	46.16	128.80 139.06	0.80	111.26 103.04			1	200/5A 300/5A CT METER		
METER-2	TP		300	50	BY DEWA			2x1Cx150	55.89	54.15	53.79	148.03 163.82	0.80	118.42 131.06			1	400/5A CT METER		
METER-3	TP		300	50	BY DEWA			2x1Cx95	33.43	33.33	33.33	126.17 100.10	1.00	126.17 100.10	FIRE PUMP		1	300/5A CT METER		
 موافقة مبدئية LV Technical Drawing Provisionally Approved																Proposed load rearrangement Confirmed by Engr wissam-0508850085				
Application No:..... Date:.....																				
Design Approval Section Distribution Power -Connection Services																				
تم التسليم تم توزيع الطاقة - إدارة توصيل الخدمات تم إعداد أو تحرير على هذه المذكرة من قبل..... This is a DEWA Approved Document & Not Permitted any Correction, Alterations etc.....																				
					TOTAL CONNECTED LOAD PER PHASE:				<input checked="" type="checkbox"/>	135.71	134.01	133.28	403.00		347.63 342.42			3	<input checked="" type="checkbox"/> TOTAL	
DEMAND FACTOR : 0.8					Max. DEMAND: 342.42 kW				TOTAL CONNECTED LOAD (3 PHASE) :				403.00 kW							
									STAND BY LOAD :				kW							
									ACTUAL CONNECTED LOAD (3 PHASE) :				403.00 kW							
CONTRACTOR: TEL: 04-																FAX : 04-				
Type of Meter (Rating of Incomer) :					(1) Upto 60A		(2) Upto 100A		(3) Upto 125 - 160 A				(4) LV CT		/ A / HV CT		/ A			
					(1Phase)		(3 Phase)		(3 Phase)											

PROJECT:PROJECT:G1 FAMILY VILLA											DETAIL OF CONNECTED LOAD/MAX. DEMAND & kWh METERING				AREA: AL NADD AL SHIBA,DUBAI, UAE					
OWNER: .																				
MDB -1											MAIN CONSULTANT:				LOCATION : GROUND FLOOR					
CIRCUIT/ FEEDER DB NO.	SP/ TP	RATING-AMPS		FAULT DUTY kA	PVC/* XLPE	CABLE SIZE		LENGTH OF CABLE (Mtrs.)	ECC SIZE-	CONNECTED LOAD Kw				PROPOSED TYPE & No. OF Kwh METERS						
		F/S	MCCB		SWA/ PVC/	2/4 X	2/3/4C 1C mm2		1C, mm2	R - PH	Y - PH	B - PH	TOTAL KW	1 - PH (1)	3 - PH (2)	3 - PH (3)	LV/HV CT (4)	REMARKS		
INCOMER	TP	300 N/A		35	XLPE	1x4Cx185			2x1Cx95	47.97	49.14	48.28	145.39					300/5A CT METER		
OUT GOING:																				
- DB-GF	TP		63	25	XLPE/SWA/PVC/CU	1X4Cx16			1X1Cx16	6.62	7.34	6.91	20.86							
- DB-FF	TP		40	25	XLPE/SWA/PVC/CU	1X4Cx10			1X1Cx10	4.96	5.28	5.21	15.45							
- DR-GYM	TP		40	25	XLPE/SWA/PVC/CU	1X4Cx10			1X1Cx10	3.45	3.59	3.23	10.28	FED FROM MDB-3						
ISO FOR VRF-01	TP		80	25	XLPE/SWA/PVC/CU	1X4Cx25			1X1Cx16	11.33	11.33	11.33	34.00	100mA ELCB				UVR+TIMER+CONTACTOR		
FAHU 1 IN	TP		40	25	XLPE/SWA/PVC/CU	1X4Cx10			1X1Cx10	3.50	3.50	3.50	10.50	100mA ELCB				UVR+TIMER+CONTACTOR		
FAHU 1 OUT	TP		63	25	XLPE/SWA/PVC/CU	1X4Cx16			1X1Cx16	7.43	7.43	7.43	22.30	100mA ELCB				UVR+TIMER+CONTACTOR		
FAHU 2 IN	TP		32	25	XLPE/SWA/PVC/CU	1X4Cx10			1X1Cx10	2.00	2.00	2.00	6.00	100mA ELCB				UVR+TIMER+CONTACTOR		
FAHU 2 OUT	TP		40	25	XLPE/SWA/PVC/CU	1X4Cx10			1X1Cx10	5.67	5.67	5.67	17.00	100mA ELCB				UVR+TIMER+CONTACTOR		
ISO FOR SIGNAGE	TP		20	25	XLPE/SWA/PVC/CU	1X4Cx4			1X1Cx4	1.00	1.00	1.00	3.00	100mA ELCB,						
ISO FOR LIFT 1	TP		20	25	XLPE/SWA/PVC/CU	1X4Cx4			1X1Cx4	1.00	1.00	1.00	3.00	300mA ELCB,						
ISO FOR LIFT 2	TP		20	25	XLPE/SWA/PVC/CU	1X4Cx4			1X1Cx4	1.00	1.00	1.00	3.00	300mA ELCB,						
ISO FOR SWIMMING POOL	TP		80	25	XLPE/SWA/PVC/CU	1X4Cx25			1X1Cx16	10.00	10.00	10.00	30.00	30mA ELCB,						
CAPACITOR BANK	TP	125	35	XLPE/SWA/PVC/CU	1X4Cx50			1x1Cx25	Refer layout- not included. Confirmed by Engr wissam-0508850085											
3																				
NOTE:THE SELECTION OF INCOMER BASED ON THE ACTUAL CONNECTED LOAD				TOTAL CONNECTED LOAD PER PHASE: ↗ 103.04					46.39	46.53	46.16	139.08					↗ TOTAL			
DEMAND FACTOR : 0.8				Max. DEMAND:- 111.26 kW				TOTAL CONNECTED LOAD (3 PHASE) : 139.08 kW												
								STAND BY LOAD : 0.00 kW												
								ACTUAL CONNECTED LOAD : 139.08 kW												
CONTRACTOR:																				
Type of Meter (Rating of Incomer) :				(1) Upto 60A		(2) Upto 100A		(3) Upto 125 - 160 A		(4) LV CT / A / HV CT / A										
				(1Phase)		(3 Phase)		(3 Phase)												

Supply release shall be subject to installation of A/C equipment light fittings and other machine/equipment with individual power factor compensation to achieve and maintain the overall PF at or above 0.9 (lagging)

DETAIL OF CONNECTED LOAD/MAX. DEMAND & kWh METERING

AREA: AL NADD AL SHIBA,DUBAI, UAE

PROJECT:PROJECT:G1 FAMILY VILLA

OWNER: .

PLOT NO.: .

MDB -2

MAIN CONSULTANT:

FEED FROM METER CABINET-2

CONSULTANT: .

LOCATION : GROUND FLOOR

CIRCUIT/ FEEDER DB NO.	SP/ TP	RATING-AMPS		FAULT DUTY kA	PVC/* XLPE	CABLE SIZE	LENGTH OF CABLE (Mtrs.)	ECC SIZE-	CONNECTED LOAD Kw					PROPOSED TYPE & No. OF Kwh METERS				REMARKS
		F/S	MCCB		SWA/ PVC/	2/4 X 1C mm2		2/3/4C mm2	R - PH KW	Y - PH KW	B - PH KW	TOTAL KW	1 - PH (1)	3 - PH (2)	3 - PH (3)	LV/HV CT		
		INCOMER	TP		XLPE	1x4Cx300			2x1Cx150	55.89	54.15	53.79	163.82				400/5A CT METER	
OUT GOING:																		
DB-GF GUEST	TP		40	25	XLPE/SWA/PVC/CU	1X4Cx10			1X1Cx10	3.27	3.06	2.97	9.30					
DB-MAJILIS	TP		40	25	XLPE/SWA/PVC/CU	1X4Cx10			1X1Cx10	6.63	6.40	6.39	19.41					
DB SPA BLOCK	TP	40	25	XLPE/SWA/PVC/CU	1X4Cx10	1X1Cx10	5.75		5.00	5.14	15.89		FED FROM MDB-3					
DB-SERVANT ROOM	TP		63	25	XLPE/SWA/PVC/CU	1X4Cx16			1X1Cx16	10.03	9.48	9.08	28.59					
ISO FOR VRF-02	TP		80	25	XLPE/SWA/PVC/CU	1X4Cx25			1X1Cx16	11.33	11.33	11.33	34.00	100mA ELCB				UVR+TIMER+CONTACTOR
ISO FOR VRF-03	TP		80	25	XLPE/SWA/PVC/CU	1X4Cx25			1X1Cx16	11.33	11.33	11.33	34.00	100mA ELCB				UVR+TIMER+CONTACTOR
ISO FOR VRF-04	TP		40	25	XLPE/SWA/PVC/CU	1X4Cx10			1X1Cx10	4.33	4.33	4.33	13.00	100mA ELCB				UVR+TIMER+CONTACTOR
CP FOR WATER TRANSFER PUMP	TP		20	25	XLPE/SWA/PVC/CU	1X4Cx4			1X1Cx4	1.21	1.21	1.21	3.63	30mA ELCB,		E/M INTERLOCK		
ISO FOR LANDSCAPE LIGHTING	TP		20	25	XLPE/SWA/PVC/CU	1X4Cx4			1X1Cx4	2.00	2.00	2.00	6.00	100mA ELCB,				
CAPACITOR BANK	TP	125	35	XLPE/SWA/PVC/CU	1X4Cx50	1X1Cx25							148.03					
50 KVAR multi step Capacitor Bank																		
NOTE:THE SELECTION OF INCOMER BASED ON THE ACTUAL CONNECTED LOAD				TOTAL CONNECTED LOAD PER PHASE: ↗ 118.42					55.89	54.15	53.79	163.82					↗ TOTAL 148.03	
DEMAND FACTOR : 0.8				Max. DEMAND:- 131.06 kW				TOTAL CONNECTED LOAD (3 PHASE) : 163.82 kW										
								STAND BY LOAD : 148.03 kW										
								ACTUAL CONNECTED LOAD : 163.82 kW										
CONTRACTOR:									TE I: 04-		FAX : 04-							
Type of Meter (Rating of Incomer) :				(1) Upto 60A (1Phase)		(2) Upto 100A (3 Phase)		(3) Upto 125 - 160 A (3 Phase)		(4) LV CT / A / HV CT / A								

PROJECT:PROJECT:G1 FAMILY VILLA

DETAIL OF CONNECTED LOAD/MAX. DEMAND & kWh METERING

OWNER:

AREA: AL NADD AL SHIBA,DUBAI, UAE

PLOT NO.:

MDB -3

FEED FROM METER CABINET-3

CONSULTANT: . MAIN CONSULTANT:

LOCATION : GROUND FLOOR

CIRCUIT/ FEEDER SMDB/ DB NO.	SP/ TP	ACB/ MCCB/ ISOLATOR RATING (AMPS)	FAULT DUTY kA	CABLE SIZE, TYPE AND NO. OF CORES			ECC SIZE 1C, mm ²	LENGTH OF CABLE (Mtrs.)	CONNECTED LOAD (kW)			TOTAL CONNECTED/ INSTALLED LOAD (TCL) * KW	MAX. DEMAND/ OPERATIONA L LOAD (MDL) KW	PROPOSED TYPE & NO. OF kWh METERS			REMARKS																							
				NO. OF CORES 1C/ 2C/ 4C	TYPE XLPE/ PVC/ SWA	SIZE			R - PH KW	Y - PH KW	B - PH KW			1 - PH (1)	3 - PH (2)	* LV/ HV CT (3)																								
INCOMER	TP	300 250 N/A	35	1x4C	XLPE	185	1x1Cx95		33.43	33.33	33.33	100.10				1	300/5A CT METER																							
OUTGOING:																																								
SMDB-FIRE DB-GYM	TP TP	250 40	35	1x4C "	XLPE "	150 10	1x1Cx95 10		33.33 3.45	33.33 3.59	33.33 3.23	100.00 10.28	Proposed load rearrangement Confirmed by Engr wissam-0508850085																											
DB-SPA	TP	40	35	1x4C	XLPE	10	1x1Cx10		5.75	5.00	5.14	15.89																												
CAPACITOR BANK	TP	125 35	1x4C 1x4C	XLPE XLPE	50	1x1Cx25																																		
50 KVAR multi step Capacitor Bank																																								
				XLPE	10	1x1Cx10		33.43	33.33	33.33	126.17 100.10				1	TOTAL																								
				XLPE	35	1x1Cx16																																		
300												126.17 100.10	TOTAL CONNECTED LOAD (3 PHASE) :																											
126.17														STAND BY LOAD :		0.00 126.17	kW																							
DEMAND FACTOR :	1 Max. DEMAND: 100.10 kW			* OVERALL /INSTALLED LOAD (TCL):			100.10			kW			TOTAL BUILD-UP AREA																											
CONSULTANT/ CONTRACTOR:																																								
* TCL - Shall include all loads proposed to be installed including standby, spare and future load provisions.																																								
Type of Meter (Rating of Incomer) :	(1) Upto 60A (1Phase)			(2) Upto 125A (3 Phase)			(3) LV CT			/ A / HV CT			/ A (* 200/5Amps CT Metering)			FAX																								

App. No. E/F

PROJECT:PROJECT:G1 FAMILY VILLA

DETAIL OF CONNECTED LOAD/MAX. DEMAND & kWh METERING

OWNER:

AREA: AL NADD AL SHIBA,DUBAI, UAE

PLOT NO.: .

MAIN CONSULTANT: .

CONSULTANT: .

LOCATION : GROUND FLOOR

SMDB-FIRE, FED FROM MDB-3

CIRCUIT/ FEEDER SMDB/ DB NO.	SP/ TP	ACB/ MCCB/ ISOLATOR RATING (AMPS)	FAULT DUTY kA	CABLE SIZE, TYPE AND NO. OF CORES			ECC SIZE 1C, mm ²	LENGTH OF CABLE (Mtrs.)	CONNECTED LOAD (KW)			TOTAL CONNECTED/ INSTALLED LOAD (TCL) * KW	MAX. DEMAND/ OPERATIONA L LOAD (MDL) KW	PROPOSED TYPE & NO. OF kWh METERS			REMARKS
				NO. OF CORES 1C/ 2C/ 4C	TYPE XLPE/ PVC/ SWA	SIZE			R - PH KW	Y - PH KW	B - PH KW			1 - PH (1)	3 - PH (2)	* LV/ HV CT (3)	
INCOMER	TP	250 N/A	35	1x4C	XLPE	150	1x1Cx70		33.33	33.33	33.33	100.00					
OUTGOING:																	
FIRE PUMP	TP	250	25	1x4C	XLPE/ PVC/SWA	150	1x1Cx95		32.00	32.00	32.00	96.00		100mA ELS+ALARM			STAR DELTA STARTER
JOCKEY PUMP	TP	32	25	1x4C	XLPE/ PVC/SWA	10	1x1Cx10		1.33	1.33	1.33	4.00		100mA ELS+ALARM			STAR DELTA STARTER
LV PANEL-1 CONNECTED TO DEWA				TOTAL CONNECTED LOAD PER				33.33	33.33	33.33	100.00						TOTAL
MCC-FIRE CONNECTED TO LV PANEL-1				PHASE:				TOTAL CONNECTED LOAD (3 PHASE) :				100.00	kW				
								STAND BY LOAD :				0.00	kW				
DEMAND FACTOR :	1	Max. DEMAND:	100	kW				* OVERALL / INSTALLED LOAD (TCL):				100.00	kW	TOTAL BUILD-UP AREA			
CONSULTANT/ CONTRACTOR:								TEL:				.	FAX				
* TCL - Shall include all loads proposed to be installed including standby, spare and future load provisions.																	
Type of Meter (Rating of Incomer) :			(1) Upto 60A		(2) Upto 125A		(3) LV CT / A / HV CT	/ A (* 200/5Amps CT Metering)									
			(1Phase)		(3 Phase)												

App. No. E/F

PROJECT: G+1 VILLA							LOAD DISTRIBUTION SCHEDULE (1 - PHASE)												PLOT NO.: . LOCATION: GROUND FLOOR					
DB No.: DB-ELEC FEED FROM : MDB 3																			SHEET : 1 OF 3					
RATING OF INCOMER	RATING OF ELCB	SL NO	CIRNo.	MCB RTG. IN AMP	CCT WIRE SIZE mm ²	ECC WIRE SIZE mm ²	ROOM / AREA	CONNECTED LOADS/POINTS												WATT / UNIT	LOAD PER CIRCUIT- W			REMARKS
LTG	COVE LIGHT	CH.	CALL BELL	EX Hood	13A S/O	13A T S/O	COOK ER	20A Outlet +DP SWITCH	13A SPUR O/L	20A DP SWITCH	FCU	SH	ISO	OTHE R	R	Y	B							
32A TP ISOLATOR	40A 100mA 4P ELCB-1	1	CKT1	16	2.5	2.5	ELEC ROOM	2											50	100				
		2	CKT2	-	-	-	SPACE																	
		3	CKT3	-	-	-	SPACE																	
	40A 30mA 4P ELCB-2	4	CKT4	20	4	4	ELEC ROOM												200	0				
		5	CKT5	-	-	-																		
		6	CKT6	-	-	-																		
																				100	0	0		
																				TOTAL	0.1	kW		

CABLE SIZE: 1x2Cx 10mm² CU.PVC/XLPE/SWA + 1x1C x10mm² CU.PVC.ECC

C.FAN=Ceiling fan, EX. FAN=Exhaust Fan, SH. S/O=shaver socket outlet

W/H=water heater, H/D=Hand Dryer, 'W'=Window type & 'S' = Split type, T= Twin Socket

PROJECT:G+1 VILLA							LOAD DISTRIBUTION SCHEDULE (3 - PHASE)												PLOT NO.: LOCATION: GROUND FLOOR									
DB No.:DB-GF(FAMILY VILLA) FEED FROM : MDB 1																			SHEET : 2 OF 3									
RATING OF INCOMER	RATING OF ELCB	SL NO.	CIRNo.	MCB RTG. IN AMP	CCT WIRE SIZE mm ²	ECC WIRE SIZE mm ²	ROOM / AREA	CONNECTED LOADS/POINTS												WATT / UNIT	LOAD PER CIRCUIT- W			REMARKS				
								LTG	COVE LIGHT	CH.	CALL BELL	EX Hood	13A S/O	13A T S/O	COOK ER	20A Outlet +DP SWITCH	13A SPUR O/L	20A DP SWITCH	FCU	SH	ISO	OTHE R	R	Y	B			
63A TP ISOLATOR	40A 100mA 4P ELCB-5	25	R9	-	-	-	SPACE																	-	-	-		
		26	Y9	32	6	4	KITCHEN								1								3000		3000		CCU WITHOUT 13A SSO	
		27	B9	-	-	-	SPACE																	-	-	-		
	40A 30mA 4P ELCB-6	28	R10	20	4	4	GARAGE							2									200	400				
		29	Y10	20	4	4	LOBBY							1									400		400			
		30	B10	20	4	4	STORE & GEN STORE						2									200			400			
		31	R11	20	4	4	STORE						1									200	200					
		32	Y11	20	4	4	STORE & LOBBY						2									200		400				
		33	B11	20	4	4	PRIVATE STUDY						2	1								200/400			800			
	40A 30mA 4P ELCB-7	34	R12	20	4	4	PRIVATE MAJLIS						2	1								200/400	800					
		35	Y12	20	4	4	FORMAL MAJLIS						2									200		400				
		36	B12	20	4	4	HALL WAY						4									200			800			
		37	R13	20	4	4	ENTRANCE LOBBY						1									400	400			12 UNIT		
		38	Y13	20	4	4	ENTRANCE LOBBY						1									400		400		FACP		
		39	B13	20	4	4	FAMILY LOUNGE						2	1								200/400			800			
	40A 30mA 4P ELCB-8	40	R14	20	4	4	DINING HALL						2									200	400					
		41	Y14	20	4	4	KITCHEN										1					200		200		GAS DETECTOR		
		42	B14	20	4	4	KITCHEN						1									200			200	FRIDGE		
		43	R15	20	4	4	KITCHEN									1					200	200			GAS IGNITION			
		44	Y15	20	4	4	KITCHEN						1								200			200				
		45	B15	20	4	4	KITCHEN								1						1500			1500		DISH WASHER		
	40A 30mA 4P ELCB-9	46	R16	20	4	4	KITCHEN								1						1500	1500				WASHING MACHINE		
		47	Y16	20	4	4	KITCHEN LOBBY						1								200		200					
		48	B16	20	4	4	STORE						1								200			200				
																									3900	5200	4700	

PROJECT: G+1 VILLA							LOAD DISTRIBUTION SCHEDULE (3 - PHASE)												PLOT NO.: LOCATION: GROUND FLOOR						
DB No.: DB-GUEST VILLA																			SHEET : 1 OF 1						
FEED FROM : MDB 2							CONNECTED LOADS/POINTS												WATT / UNIT	LOAD PER CIRCUIT- W			REMARKS		
RATING OF INCOMER	RATING OF ELCB	SL NO	CIRNo.	MCB RTG. IN AMP	CCT WIRE SIZE mm ²	ECC WIRE SIZE mm ²	ROOM / AREA	LTG	COVE LIGHT	CH.	CALL BELL	EX Hood	13A S/O	13A T/S/O	COOK ER	20A Outlet +DP SWITCH	13A SPUR O/L	20A DP SWITCH	FCU	SH	ISO	OTHE R		R	Y
40A TP ISOLATOR	40A 100mA 4P ELCB-1	1	R1	16	2.5	2.5	LOUNGE	4													60/18	114			
		2	Y1	16	2.5	2.5	BEDROOM & BATH	9												1		35/12/9/100		320	
		3	B1	16	2.5	2.5	ENTRANCE	7			1										18/60/25				193
		4	R2	16	2.5	2.5	BED ROOM	9												1		35/12/9/100	220		
		5	Y2				SPACE																		
		6	B2				SPACE																		
	40A 100mA 4P ELCB-2	7	R3	20	2.5	2.5	BED ROOM	9			4										200	800			
		8	Y3	20			SPACE				3	1									200/400		1000		
		9	300	20	4	4	ENTRANCE LOBBY					1									400				400
		10	R4	20	4	4	ENTRANCE					1									400	400			
		11	Y4	20	4	4	LOUNGE				4										200		800		
		12	B4	20	4	4	BED ROOM				3	1									200/400				1000
	100MA 30mA 4P ELCB-3	13	R5	20	4	4	TOILET													1	500	500			TEF 01
		14	Y5																						
	40A 1000mA 4P ELCB-4	15	B5	20	4	4	TOILET													1	500		500		TEF 02
		16	R6	20	4	4	ENTRANCE& LOUNGE 01												1		290	290			FCU -GF-ENT,& LOUN 01
		17	Y6	20	4	4	BED ROOM 01												1		210		210		FCU -GF-BD RM 01
		18	B6	20	4	4	LOUNGE 02												1		140				FCU -GF-LOUN 02
		19	R7	20	4	4	BED ROOM 02												1		210	210			FCU -GF-BD-RM 02
		20	Y7				SPACE																		
		21	B7				SPACE																		
	40A 30mA 4P ELCB-5	22	R8	20			CP FOR BOOSTER PUMP ROOF FL													200					(1 WORKING + 1 STAND BY)
		23	Y8	A															1		600		200		
		24	B8	TP																					200

CABLE SIZE:1x4Cx 10mm² CU.PVC/XLPE/SWA + 1x1C x10mm² CU.PVC.ECC

C.FAN=Ceiling fan, EX. FAN=Exhaust Fan, SH. S/O='shaver socket outlet

W/H=water heater, H/D=Hand Dryer, 'W'=Window type & 'S' = Split type, T= Twin Socket

PROJECT: G+1 VILLA							LOAD DISTRIBUTION SCHEDULE (3 - PHASE)												PLOT NO.: LOCATION: GROUND FLOOR							
RATING OF INCOMER	RATING OF ELCB	SL NO.	CIRNo.	MCB RTG. IN AMP	CCT WIRE SIZE mm ²	ECC WIRE SIZE mm ²	ROOM / AREA	CONNECTED LOADS/POINTS												WATT / UNIT	LOAD PER CIRCUIT- W			REMARKS		
								LTG	COVE LIGHT	CH.	CALL BELL	EX Hood	13A S/O	13A T/S/O	COOK ER	20A Outlet +DP SWITCH	13A SPUR O/L	20A DP SWITCH	FCU	SH	ISO	OTHE R	R	Y	B	
63A TP ISOLATOR	40A 30mA 4P ELCB-6	25	R9	20	4	4	CORRIDOR						2									200	400			
		26	Y9	20	4	4	FAMILY MAJLIS						2									200		400		
		27	B9	20	4	4	DINING HALL						2									200			400	
	40A 30mA 4P ELCB-7	28	R10	20	4	4	MALE MAJLIS						2									200	400			
		29	Y10	20	4	4	CORRIDOR						2									200		400		
		30	B10	20	4	4	PANTRY						2									200			400	
		31	R11	20	4	4	KITCHEN										1					200	200			GAS DETECTOR
		32	Y11	20	4	4	KITCHEN						1									200		200		FRIDGE
		33	B11	20	4	4	KITCHEN									1						200		200		GAS IGNITION
	40A 30mA 4P ELCB-8	34	R12	20	4	4	KITCHEN						2									200	400			
		35	Y12	20	4	4	KITCHEN									1						1500		1500		DISH WASHER
		36	B12	20	4	4	KITCHEN						2									200			400	
		37	R13	20	4	4	WASHING M/C									1						1500	1500			
		38	Y13	20	4	4	STORE						1									200		200		
		39	B13	20	4	4	WASHING M/C									1						1500			1500	
	40A 30mA 4P ELCB-9	40	R14	20	4	4	WASHING M/C						1									200	200			
		41	Y14	20	4	4	GARDEN STORE									1						200		200		
		42	B14				PARKING						1									200			200	
	40A 100mA 4P ELCB-10	43	R15	20	4	4	ENTRANCE& CORRIDOR 01 &02											1			210	210			FCU -GF-ENT,& CORR 01,02	
		44	Y15	20	4	4	ENTRANCE& CORRIDOR 01 &02										1			210			210		FCU -GF-ENT,& CORR 01,02	
		45	B15	20	4	4	ENTRANCE& CORRIDOR 01 &02										1			210				210	FCU -GF-ENT,& CORR 01,02	
		46	R16	20	4	4	ENTRANCE& CORRIDOR 01 &02										1			210	210				FCU -GF-ENT,& CORR 01,02	
		47	Y16	20	4	4	FAMILY MAJLIS										1			290			290		FCU -GF-FAM MAJLIS	
		48	B16	20	4	4	DINING HALL										1			500			500		FCU -GF-DIN HALL	
																					3520	3400	3810			

PROJECT:G+1 VILLA							LOAD DISTRIBUTION SCHEDULE (3 - PHASE)												PLOT NO.: LOCATION: GROUND FLOOR							
DB No.:DB-GYM																			SHEET : 1 OF 3							
FEED FROM : MDB 1							ROOM / AREA	CONNECTED LOADS/POINTS												WATT / UNIT	LOAD PER CIRCUIT- W			REMARKS		
RATING OF INCOMER	RATING OF ELCB	SL NO	CIRNo.	MCB RTG. IN AMP	CCT WIRE SIZE mm ²	ECC WIRE SIZE mm ²		LTG	COVE LIGHT	CH.	CALL BELL	EX Hood	13A S/O	13A T S/O	COOK ER	20A Outlet +DP SWITCH	13A SPUR O/L	20A DP SWITCH	FCU	SH	ISO	OTHE R	R	Y	B	
40A TP ISOLATOR	40A 100mA 4P ELCB-1	1	R1	16	2.5	2.5	GYM	6														33	78			
		2	Y1	16	2.5	2.5	GYM	7														33/18		216		
		3	B1	16	2.5	2.5	CHANGE	3														18			54	
	40A 30mA 4P ELCB-2	4	R2	20	4	4	GYM							1								200/400	400			
		5	Y2	20	4	4	GYM							1								400		400		
		6	B2				SPACE																			
	40A 100mA 4P ELCB-3	7	R3				SPACE																			
		8	Y3				SPACE																			
		9	300	20	4	4	GYM												1			200			200	
	40A 100mA 4P ELCB-4	10	R4																			2977				
		11	Y4	32A TP	4CXLPE/SW A/PVC	6	ODU--GF-PMP RM															8930		2977		
		12	B4																1							2977
	40A 100mA 4P ELCB-5	13	R5																							
		14	Y5																							
		15	B5																							
	40A 100mA 4P ELCB-6	16	R6																							
		17	Y6																							
		18	B6																							
		19	R7																							
		20	Y7																							
		21	B7																							
	40A 100mA 4P ELCB-7	22	R8																			3.45	3.59	3.23		
		23	Y8																			TOTAL	10.28	kW		
		24	B8																							

CABLE SIZE:1x4Cx 10mm² CU.PVC/XLPE/SWA + 1x1C x10mm² CU.PVC.ECC

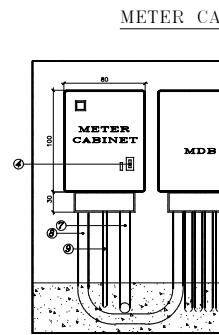
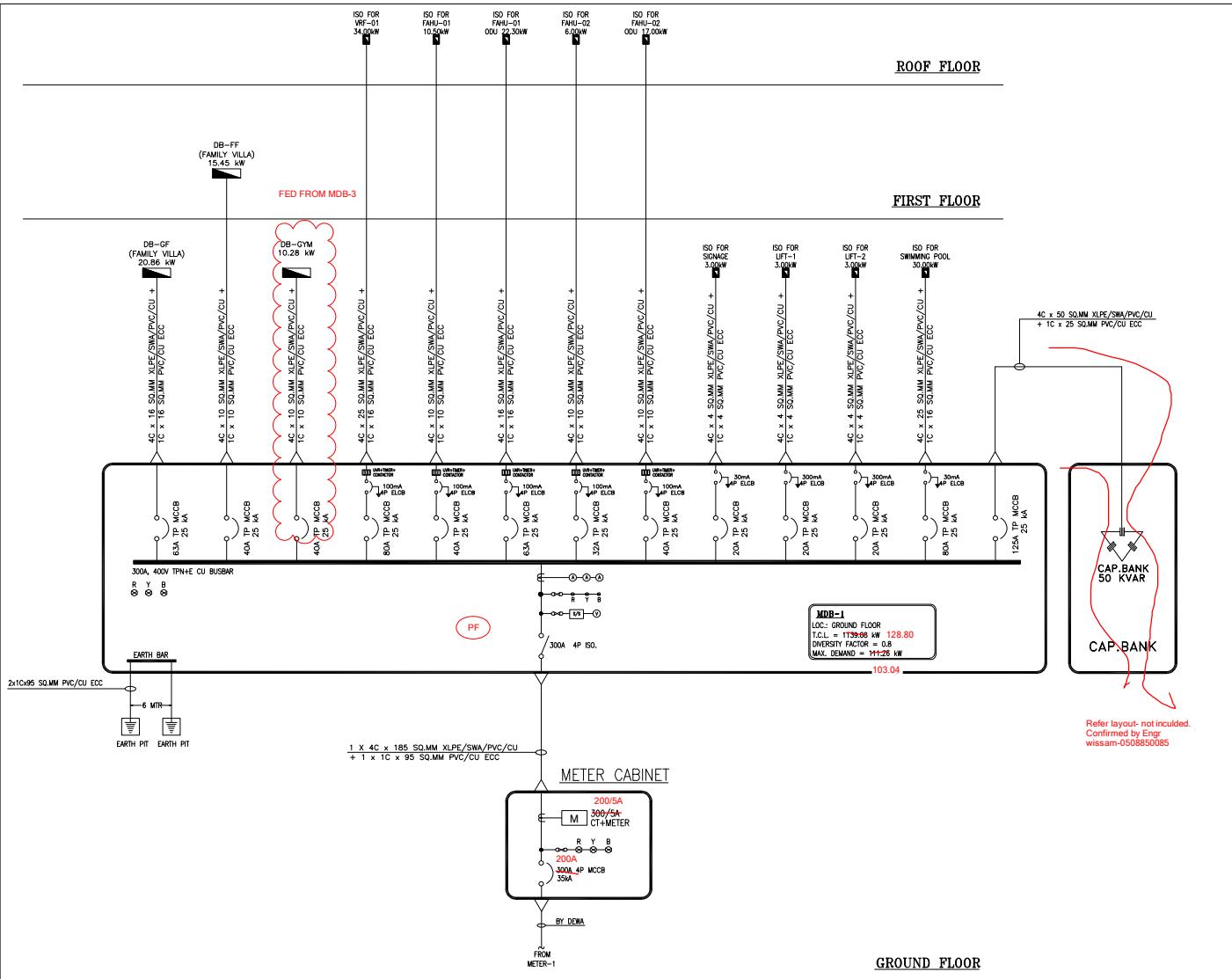
C.FAN=Ceiling fan, EX. FAN=Exhaust Fan, SH. S/O='shaver socket outlet

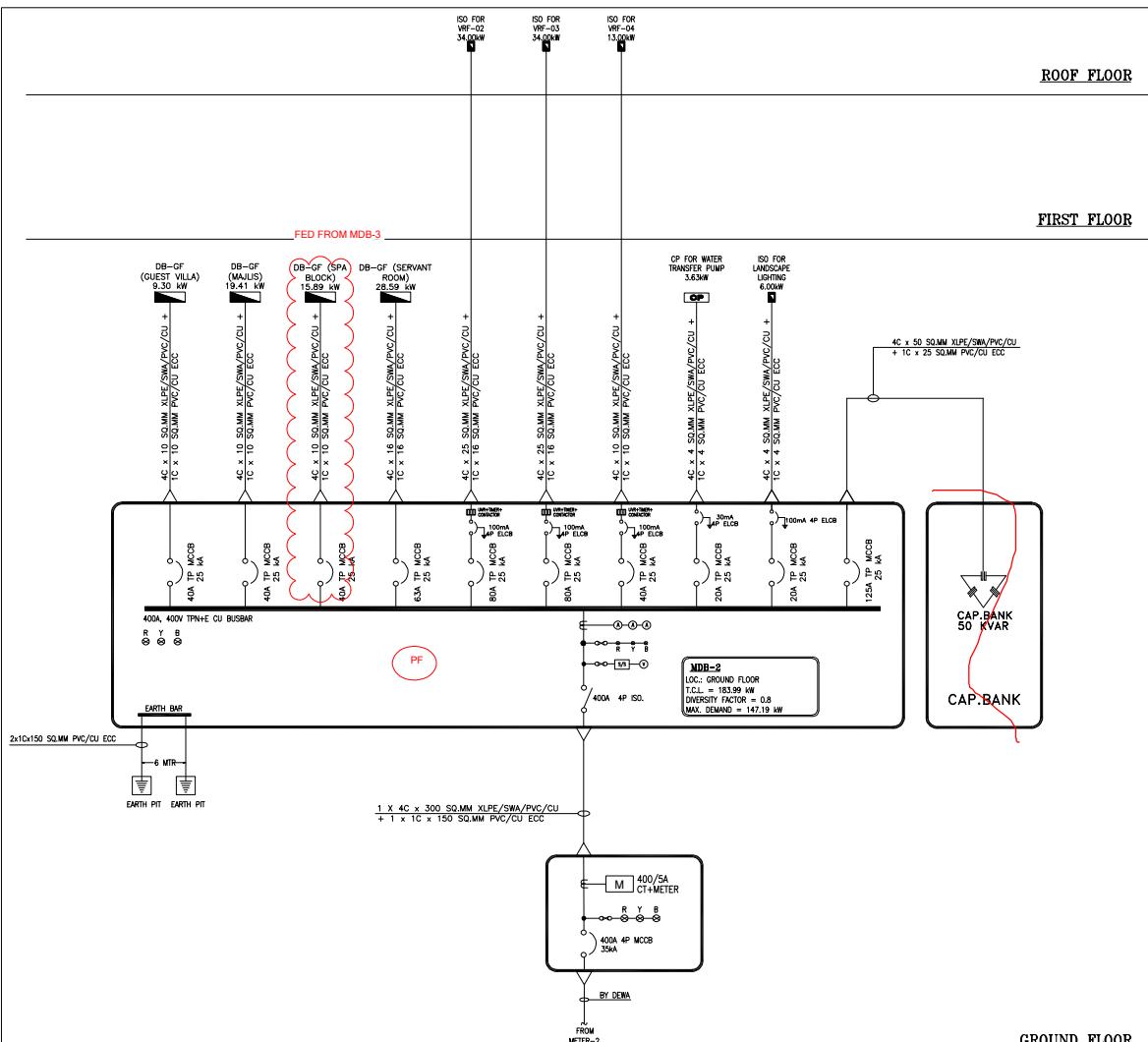
W/H=water heater, H/D=Hand Dryer, 'W'=Window type & 'S' = Split type, T= Twin Socket

PROJECT:G+1 VILLA							LOAD DISTRIBUTION SCHEDULE (3 - PHASE)												PLOT NO.: LOCATION: GROUND FLOOR											
RATING OF INCOMER	RATING OF ELCB	SL NO.	CIRNo.	MCB RTG. IN AMP	CCT WIRE SIZE mm ²	ECC WIRE SIZE mm ²	ROOM / AREA	CONNECTED LOADS/POINTS												WATT / UNIT	LOAD PER CIRCUIT- W			REMARKS						
								LTG	COVE LIGHT	CH.	CALL BELL	EX Hood	13A S/O	13A T/S/O	COOK ER	20A Outlet +DP SWITCH	13A SPUR O/L	20A DP SWITCH	FCU	SH	ISO	OTHE R	R	Y	B					
40A TP ISOLATOR	40A 100mA 4P ELCB-1	1	R1	16	2.5	2.5	CHANGE	8														18	144							
		2	Y1	16	2.5	2.5	LOBBY7SHOWER	7														18		126						
		3	B1	16	2.5	2.5	SHOWER&LOBBY	12														18/12			192					
		4	R2	16	2.5	2.5	MECHANICAL	7														18	126							
		5	Y2	16	2.5	2.5	LOBBY	5														18		90						
		6	B2	16	2.5	2.5	BARBEQUE COURT	8														33/18			264					
	40A 30mA 4P ELCB-2	7	R3	10	2.5	2.5	MECHANICAL	7														400	400							
		8	Y3	20	2.5	2.5	LOBBY	5														200		400						
		9	300	20	2.5	2.5	MECHANICAL	7														200			200					
	40A 30mA 4P ELCB-3	10	R4	20	2.5	2.5	LOBBY	5														200	400							
		11	Y4	20	2.5	2.5	MECHANICAL	7														200		200		FACP				
		12	B4	20	2.5	2.5	LOBBY	5														200		400	12 U					
		13	R5	20	4	4	PANTRY															200	400			TEF-01				
		14	Y5	20	4	4	TOILET															1	500		500		TEF-02			
	40A 30mA 4P ELCB-4	15	B5	20	4	4	TOILET															1	700			700	EF-01			
		16	R6	20	4	4	TOILET															1	800	800			PEF-01			
		17	Y6	20	4	4	TOILET															1	300		300					
	40A 100mA 4P ELCB-5	18	B6				SPACE																							
		19	R7	20	4	4	ENTRANCE& LOBBY															1		300	300		FCU-GF-ENT,LOBY			
		20	Y7	20	4	4	PUMP ROOM															1		200		200	FCU-GF-PMP RM			
		21	B7	20	4	4	PANTRY															1		200		200	FCU-GF-PAN			
		22	R8	25			ODU-GF-ENT,LOBY															1443				UVR+TIMER+CONTACTOR				
		23	Y8	A	6	6																1		4330	1443					
		24	B8	TP																					1443					
																										4013	3259	3399		
CABLE SIZE:1x4Cx 10mm ² CU.PVC/XLPE/SWA + 1x1C x10mm ² CU.PVC.ECC												C.FAN=Ceiling fan, EX. FAN=Exhaust Fan, SH. S/O='shaver socket outlet W/H=water heater, H/D=Hand Dryer, 'W'=Window type & 'S' = Split type, T= Twin Socket																		

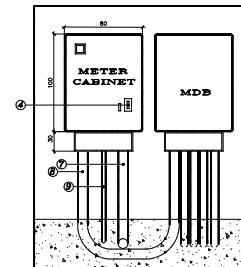
PROJECT:G+1 VILLA							LOAD DISTRIBUTION SCHEDULE (3 - PHASE)												PLOT NO.: . LOCATION: GROUND FLOOR SHEET : 2 OF 3										
RATING OF INCOMER	RATING OF ELCB	SL NO	CIRNo.	MCB RTG. IN AMP	CCT WIRE SIZE mm ²	ECC WIRE SIZE mm ²	ROOM / AREA	CONNECTED LOADS/POINTS												WATT / UNIT	LOAD PER CIRCUIT- W			REMARKS					
								LTG	COVE LIGHT	CH.	CALL BELL	EX Hood	13A S/O	13A T S/O	COOK ER	20A Outlet +DP SWITCH	13A SPUR O/L	20A DP SWITCH	FCU	SH	ISO	OTHE R	R	Y	B				
63A TP ISOLATOR	40A 100mA 4P ELCB- 6	25	R9	20	4	4	STAFF BED ROOM 01												1				200	200			FCU-GF-STF BD RM 01		
		26	Y9	20	4	4	STAFF BED ROOM 02												1				200		200		FCU-GF-STF BD RM 02		
		27	B9	20	4	4	STAFF BED ROOM 03												1				200			200	FCU-GF-STF BD RM 03		
		28	R10	20	4	4	STAFF BED ROOM 04												1				200	200			FCU-GF-STF BD RM 04		
		29	Y10	20	4	4	DRIVER												1				150			150	IDU-GF-DRV		
		30	B10	20	4	4	LIVING & BED ROOM												1				300			300	FCU-GF-LIV&BD RM		
	40A 100mA 4P ELCB- 7	31	R11	20	4	4	ODU-GF-STF BD RM 01												1				863				UVR+TIMER+CONTACTOR		
		32	Y11	A																			2590			863			
		33	B11	TP																						863			
	40A 100mA 4P ELCB- 8	34	R12	20	4	4	ODU-GF-STF BD RM 02												1				863				UVR+TIMER+CONTACTOR		
		35	Y12	A																			2590			863			
		36	B12	TP																						863			
	40A 100mA 4P ELCB- 9	37	R13	20	4	4	ODU-GF-STF BD RM 03												1				863				UVR+TIMER+CONTACTOR		
		38	Y13	A																			2590			863			
		39	B13	TP																						863			
	40A 100mA 4P ELCB- 10	40	R14	20	4	4	ODU-GF-STF BD RM 04												1				863				UVR+TIMER+CONTACTOR		
		41	Y14	A																			2590			863			
		42	B14	TP																						863			
	40A 100mA 4P ELCB- 11	43	R15	20	4	4	ODU-GF-DRV												1				697				UVR+TIMER+CONTACTOR		
		44	Y15	A																			2090			697			
		45	B15	TP																						697			
	40A 100mA 4P ELCB- 12	46	R16	25	6	6	ODU-GF-LIV&BD RM												1				1913				UVR+TIMER+CONTACTOR		
		47	Y16	A																			5740			1913			
		48	B16	TP																						1913			
																					6463	6413	6563						
CABLE SIZE:1x4Cx 16mm ² CU.PVC/XLPE/SWA + 1x1C x16mm ² CU.PVC.ECC																					C.FAN=Ceiling fan, EX. FAN=Exhaust Fan, SH. S/O='shaver socket outlet W/H=water heater, H/D=Hand Dryer, 'W'=Window type & 'S' = Split type, T= Twin Socket								

REFER SCHEDULE FOR THE CORRECTIONS TO INCORPORATE





METER CABINET D



I--MINIMUM DIMENSIONS

kwh Metering Type Reference	Rating of incomm breaker in metering cabinet
1	400A

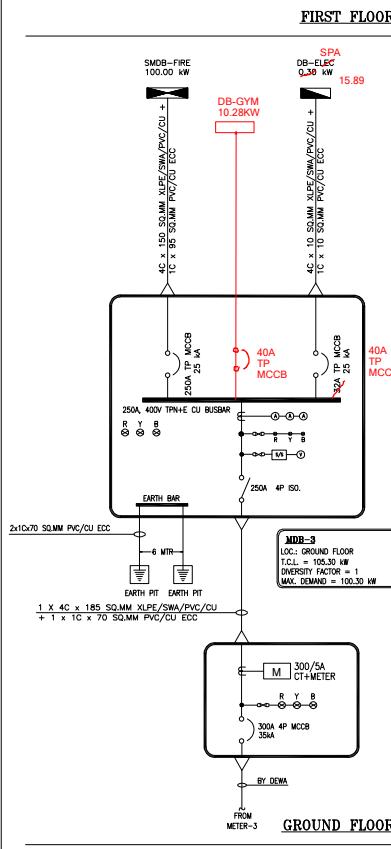
NOTE :-

ALL DIMENSIONS NOTED ARE IN CENTIMETRES AND NOT TO SCALE

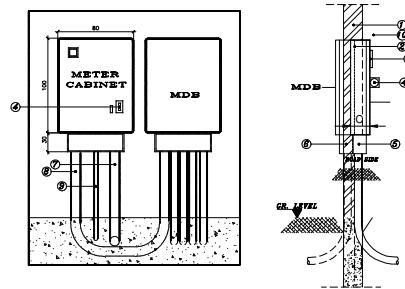
II-- DESCRIPTION

- 1:- COMPOUND WALL
- 2:- WEATHER PROOF (IP 55) METEF
- 3:- TRANSPARENT VIEWING WINDOW
- 4:- HINGED DOOR WITH PROVISION SEALING & PAD LOCKING.
- 5:- CABLE (GLAND) BOX.
- 6:- POSITION OF INCOMER BREAKER
- 7:- 15 / 10 cm PVC PIPE SLEEVE FOR SERVICE CABLE.
- 8:- 15 / 10 cm PVC PIPE SLEEVE FOR LOAD CABLE.
- 9:- CONDUIT/S FOR EARTHING COI
- 10:- CANOPY FOR METER CABINET

REFER SCHEDULE FOR THE CORRECTIONS TO INCORPORATE



METER CABINET DETAIL



TYPICAL ARRANGEMENT OF METERING CABINET ON COMPOUND WALL

I - MINIMUM DIMENSIONS

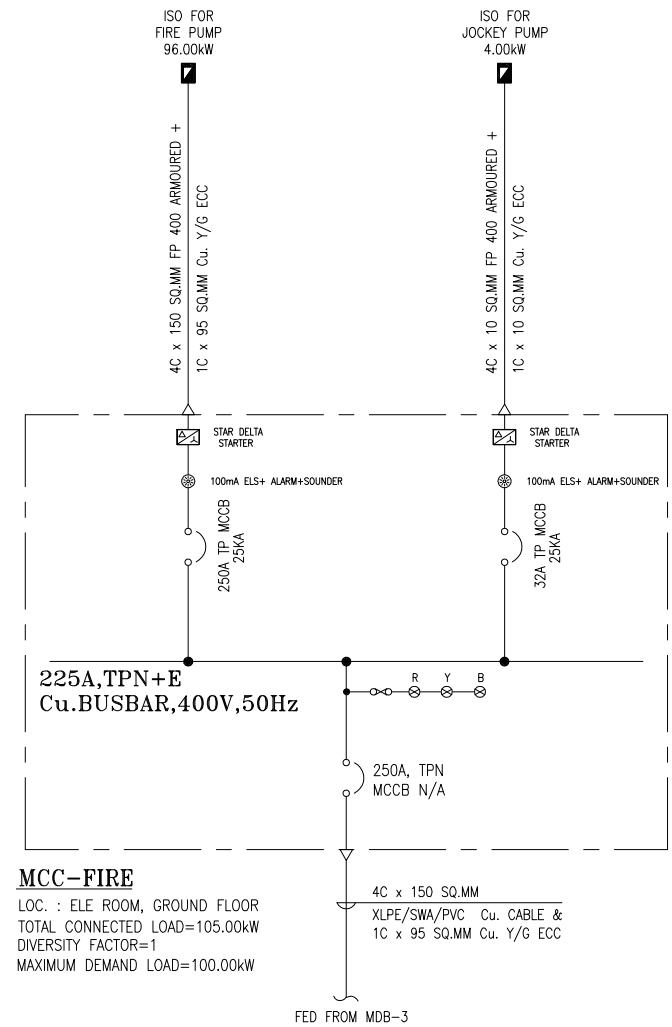
kwh Metering Type Reference	Rating of incomer breaker in metering cabinet	Dimensions in cm			
		A	B	C	D
1	250A	80	100	30	25

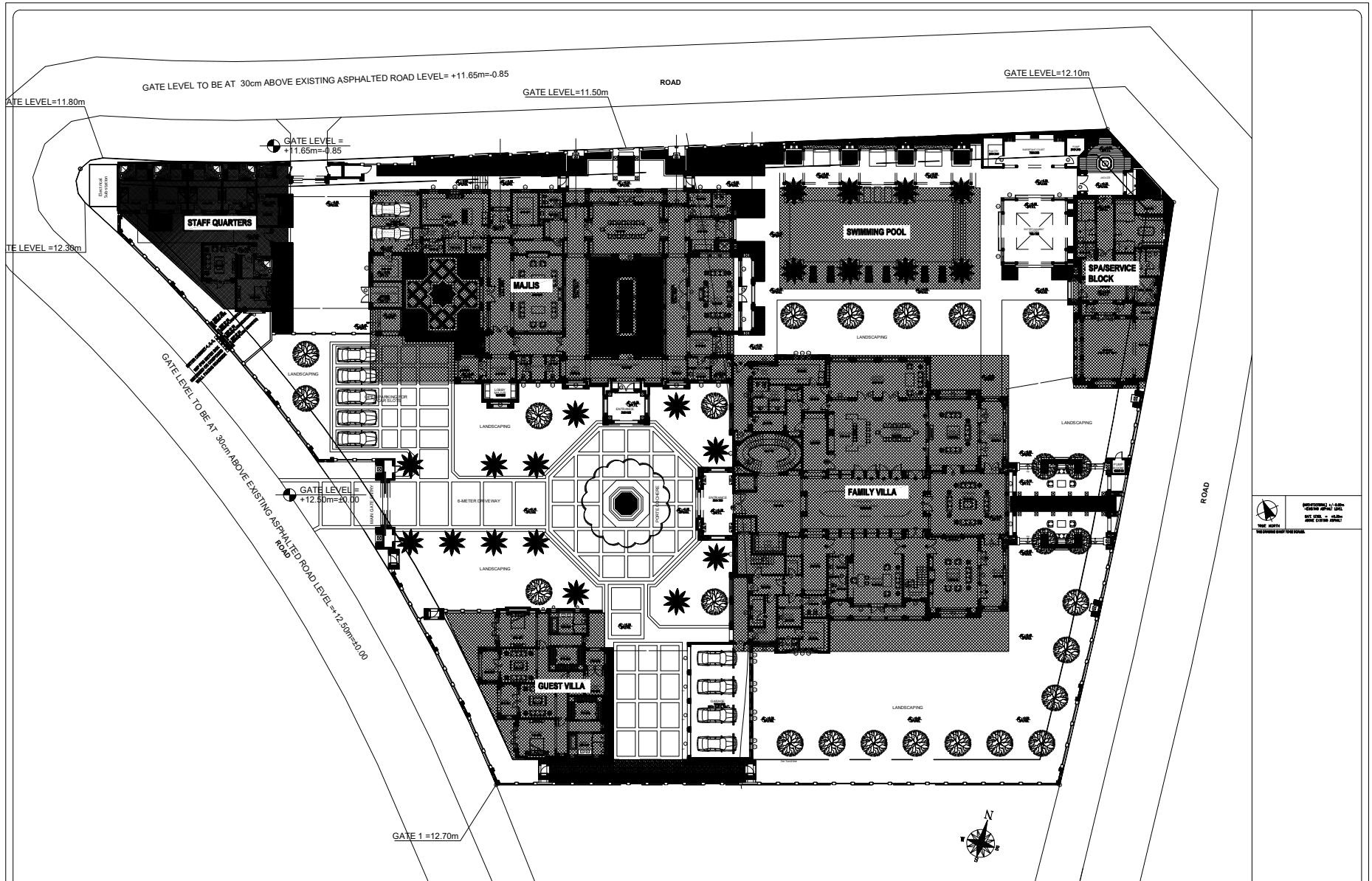
NOTE :-

ALL DIMENSIONS NOTED ARE IN CENTIMETRES AND NOT TO SCALE

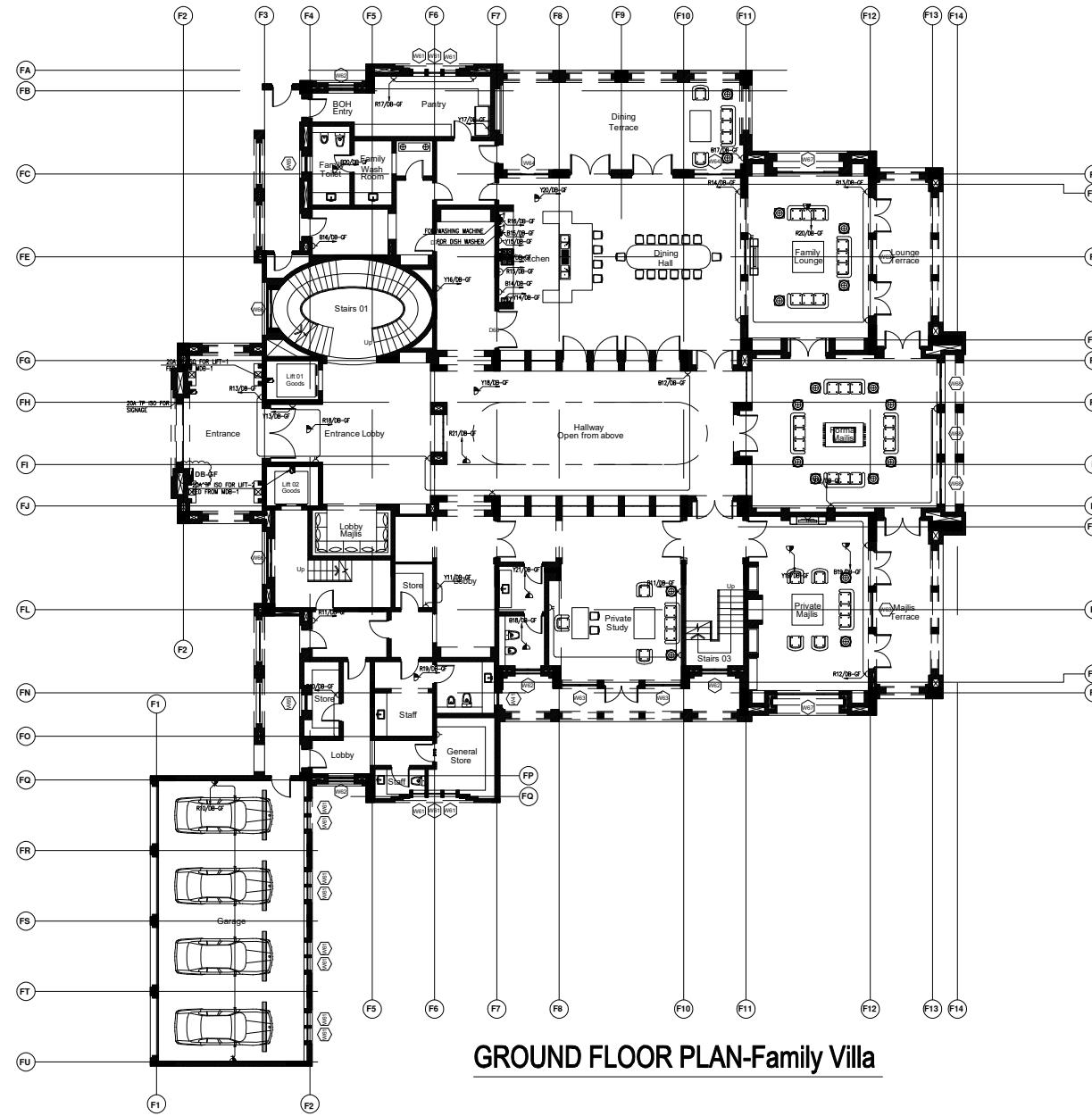
II - DESCRIPTION

- 1:- COMPOUND WALL
- 2:- WEATHER PROOF (IP 55) METERING CABET.
- 3:- TRANSPARENT VIEWING WINDOW.
- 4:- HINGED DOOR WITH PROVISION FOR WIRE SEALING & PAD LOCKING.
- 5:- CABLE (GLAND) BOX.
- 6:- POSITION OF INCOMER BREAKER.
- 7:- 15 / 10 cm PVC. PIPE SLEEVE FOR SERVICE CABLE.
- 8:- 15 / 10 cm PVC. PIPE SLEEVE FOR LOAD CABLE.
- 9:- CONDUITS FOR EARTHING CONDUCTORS (ECC).
- 10:- CANOPY FOR METER CABINET





GROUND FLOOR PLAN ON SETTING LAYOUT
SCALE 1:100MTS



GROUND FLOOR PLAN-Family Villa

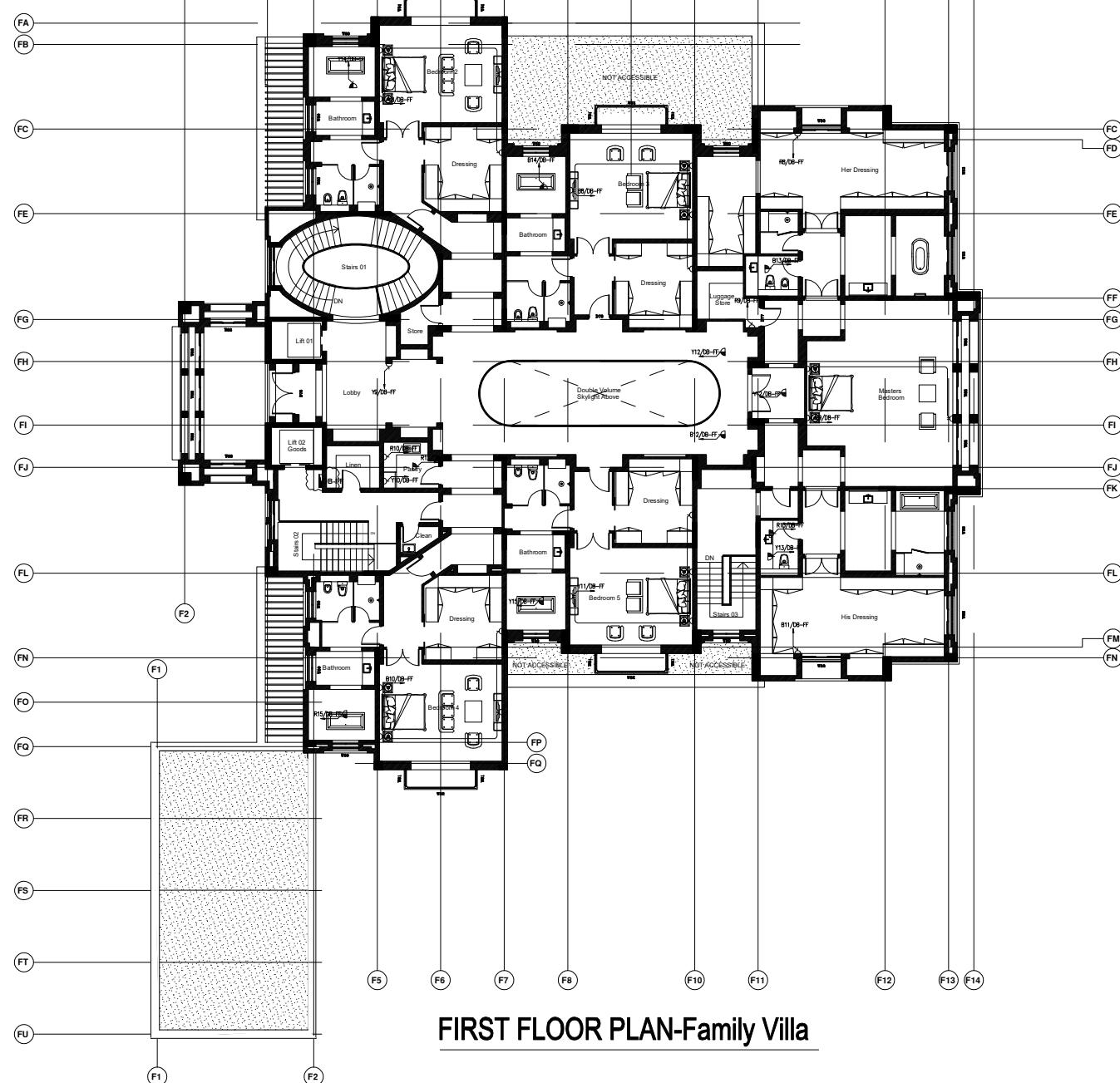


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W



FIRST FLOOR PLAN-Family Villa

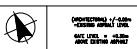
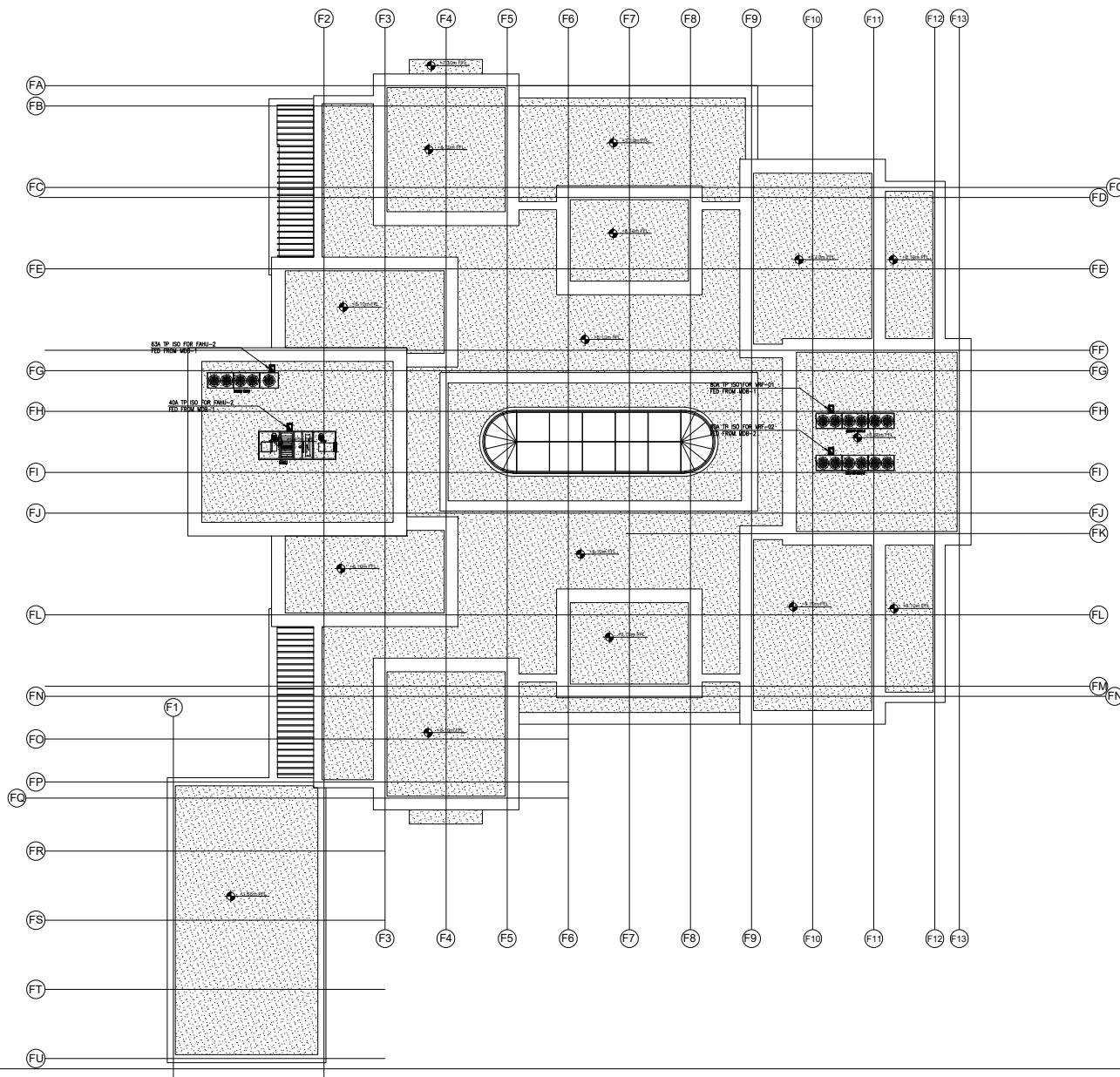


NORTH

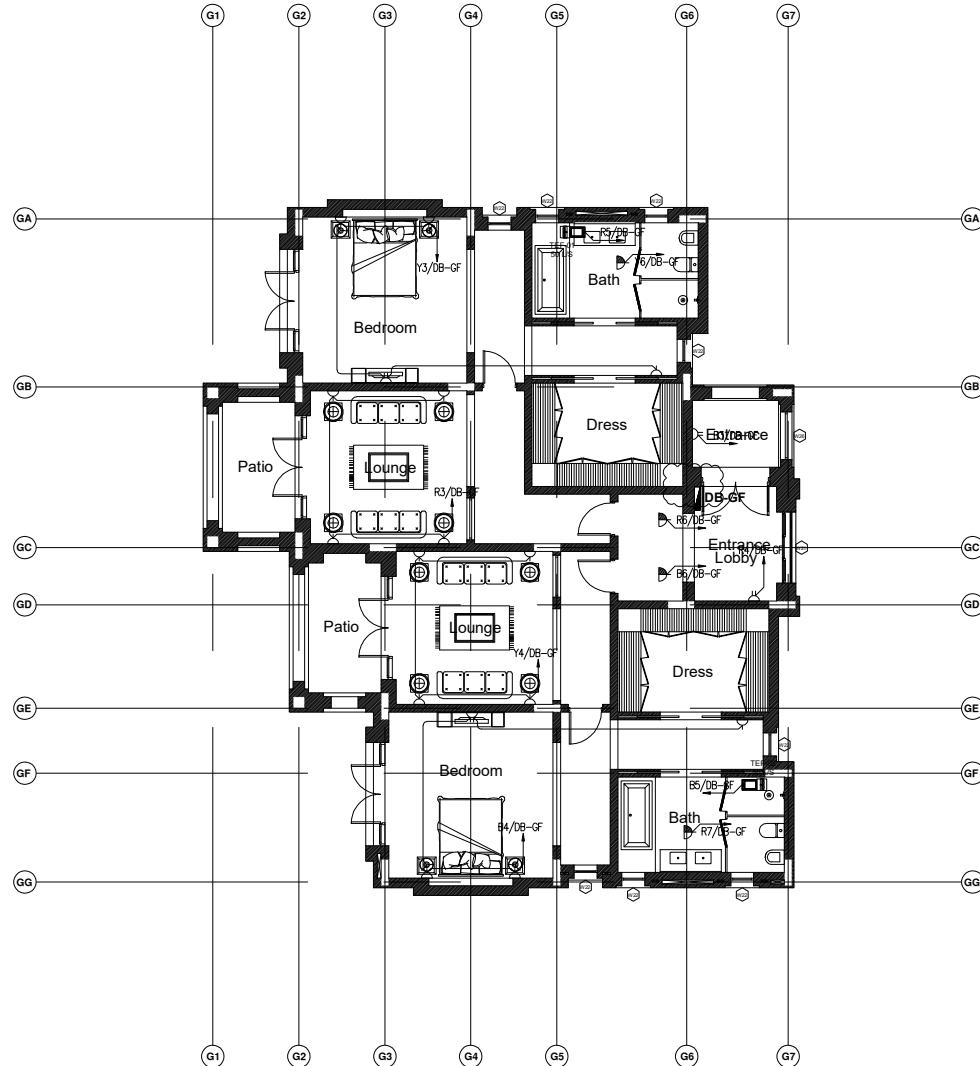
WEST

EAST

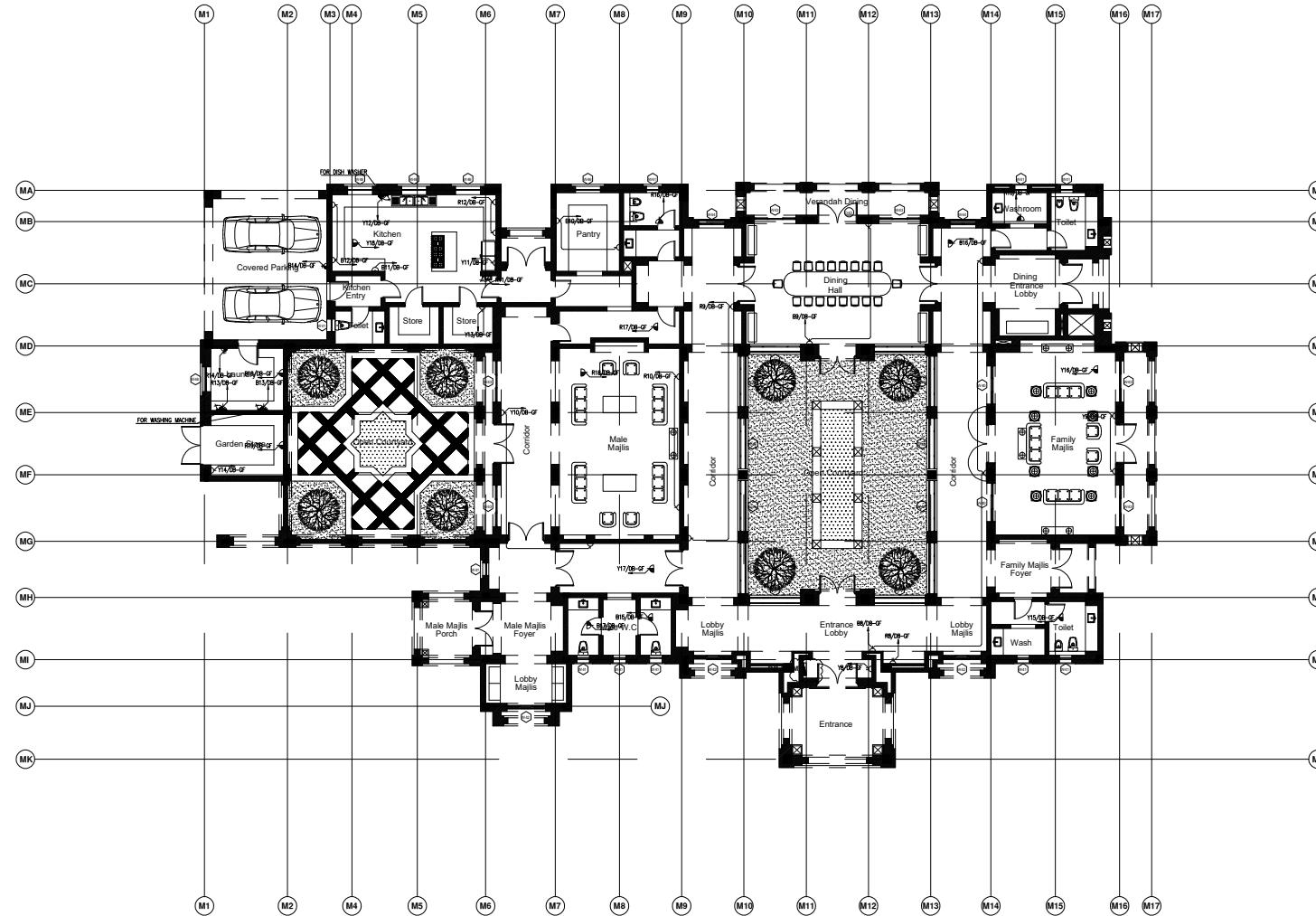
SOUTH



ARCHITECTURAL / Schematic
EAST IS UP - NORTH
IS UP

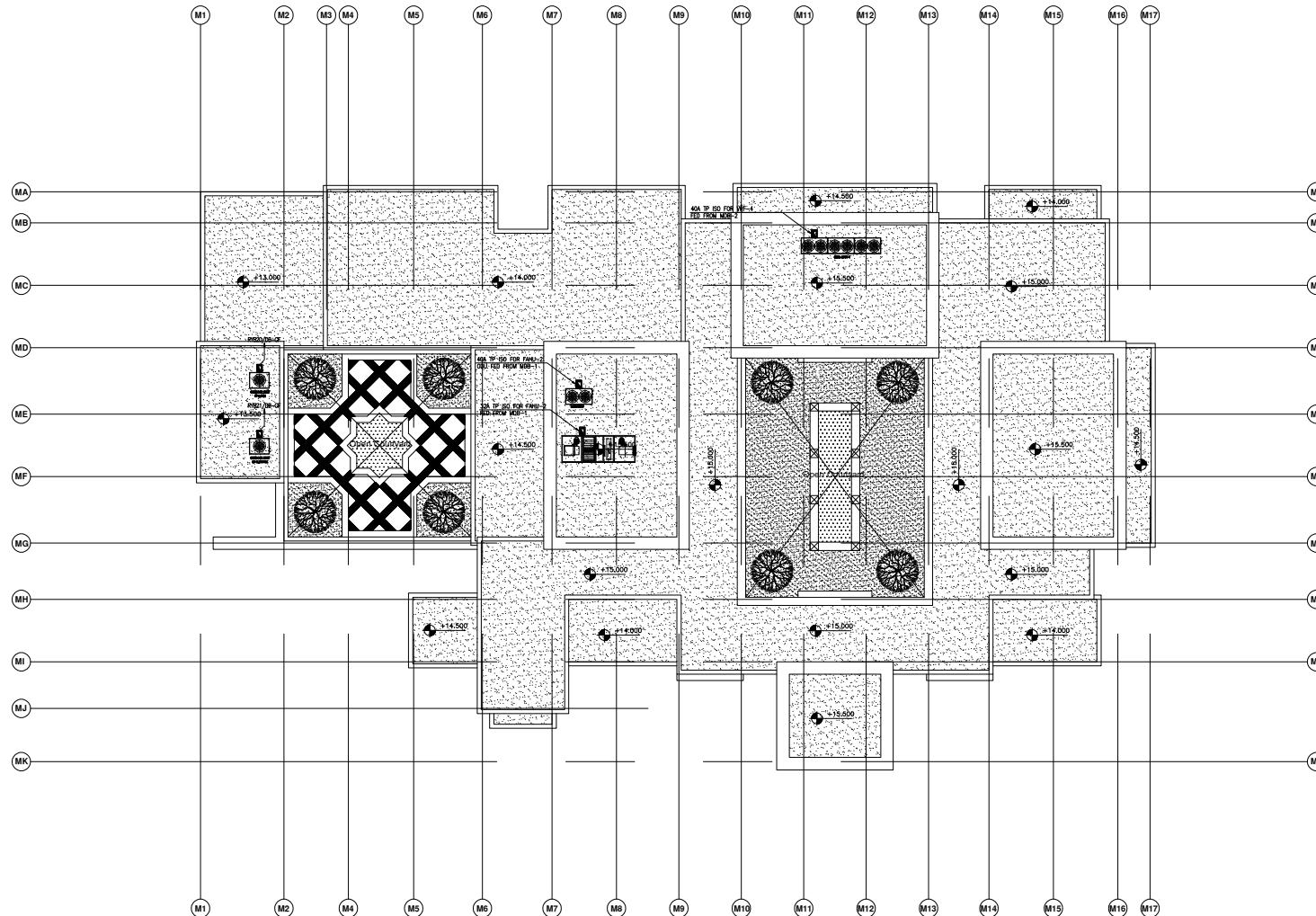


GROUND FLOOR PLAN



01 GROUND FLOOR PLAN-Majlis
A 103 SCALE 1:100MTS

TRUE NORTH
DRAFTED BY: SADIQ
DRAWN BY: SADIQ
CHECKED BY: SADIQ
APPROVED BY: SADIQ

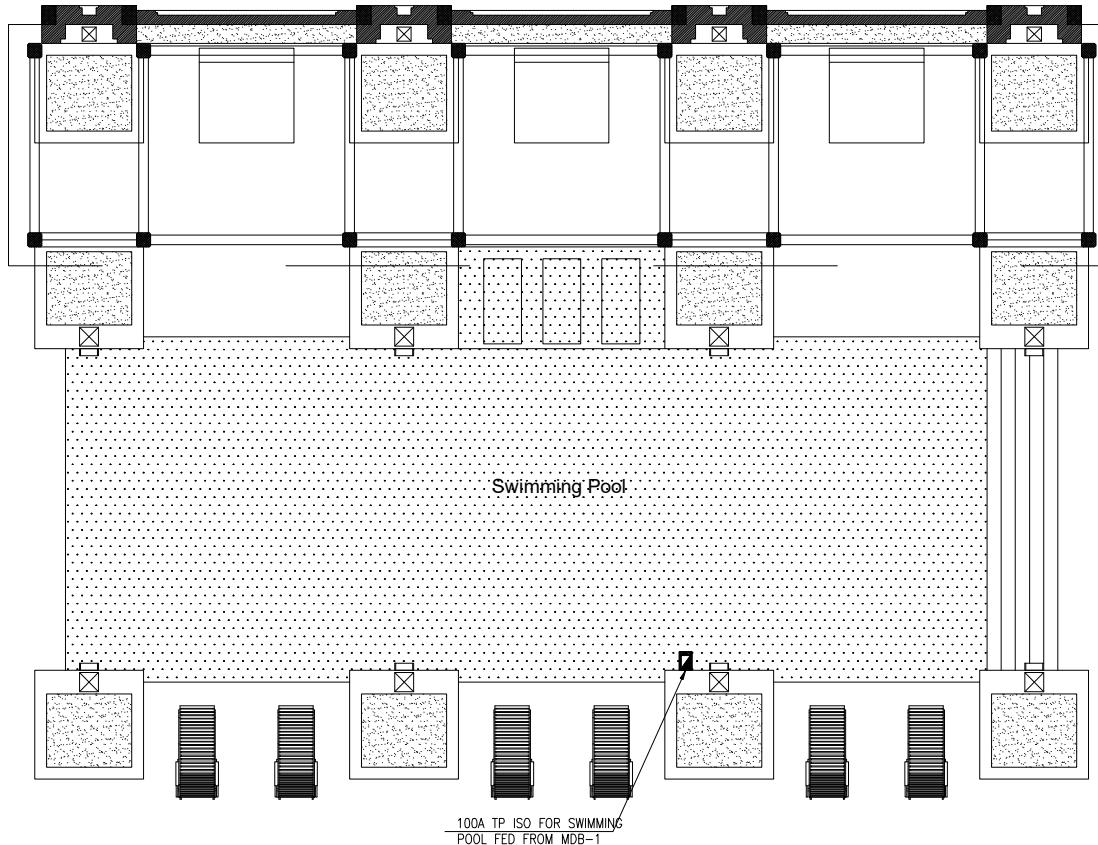


01
A 103
ROOF FLOOR PLAN-Majlis
SCALE 1:100MTS

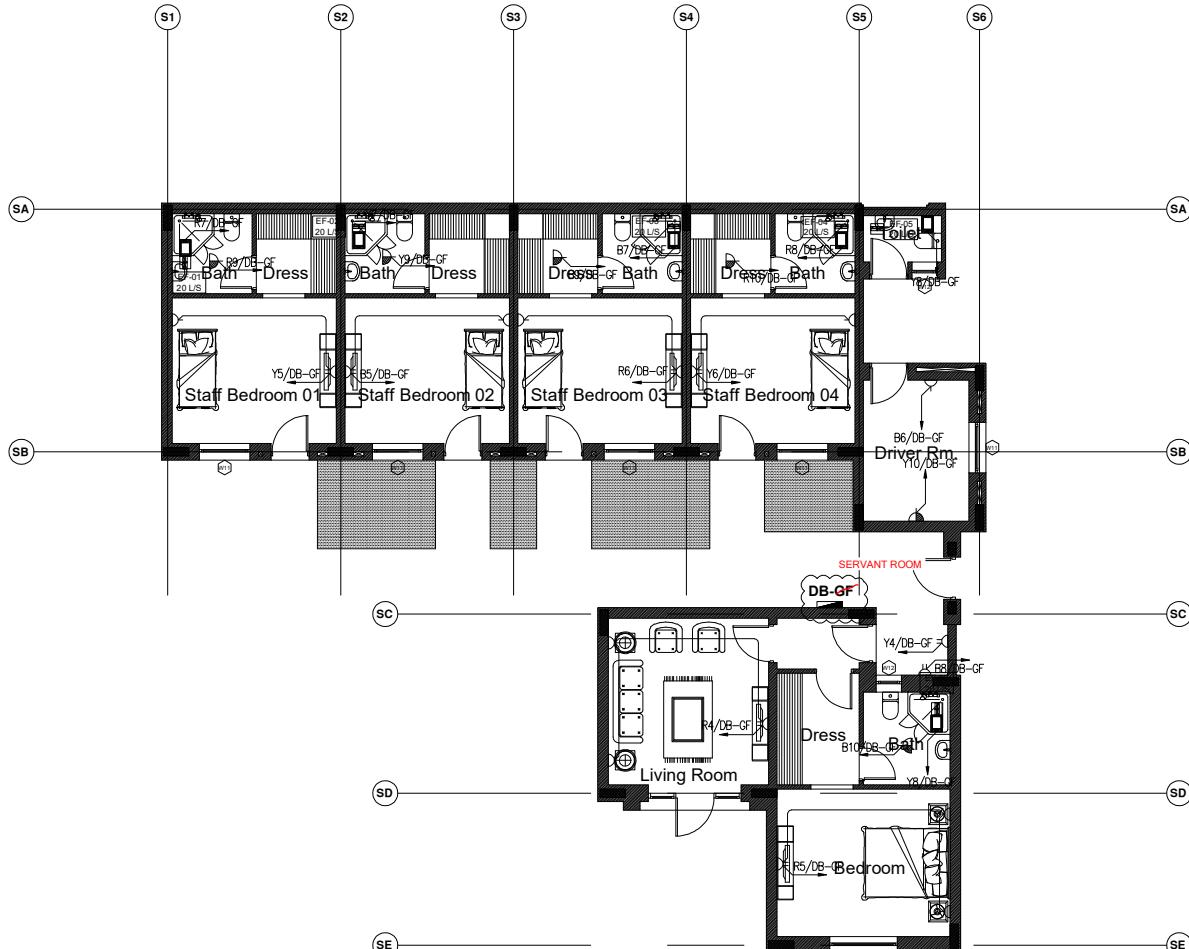


COMPASS
N
S
E
W

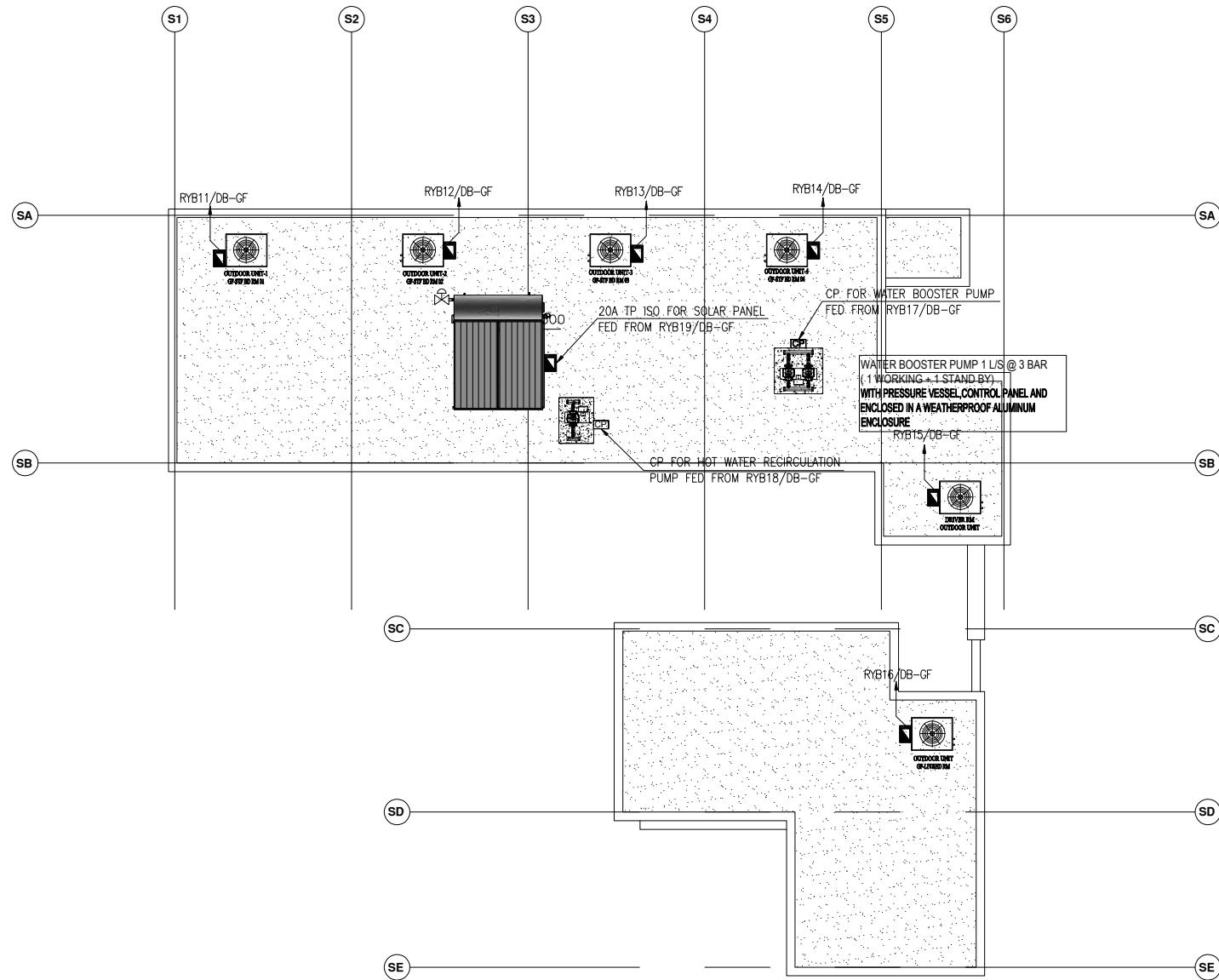
ARCHITECTURE / 3-DIM
PROJECT NUMBER ONE
DATE : 10.03.2013
NAME : DILIP KUMAR



GROUND FLOOR PLAN



ARCHITECTURE / S-DES
INTERIOR DESIGN / S-DES
MAY 2015 - 40 Sqm



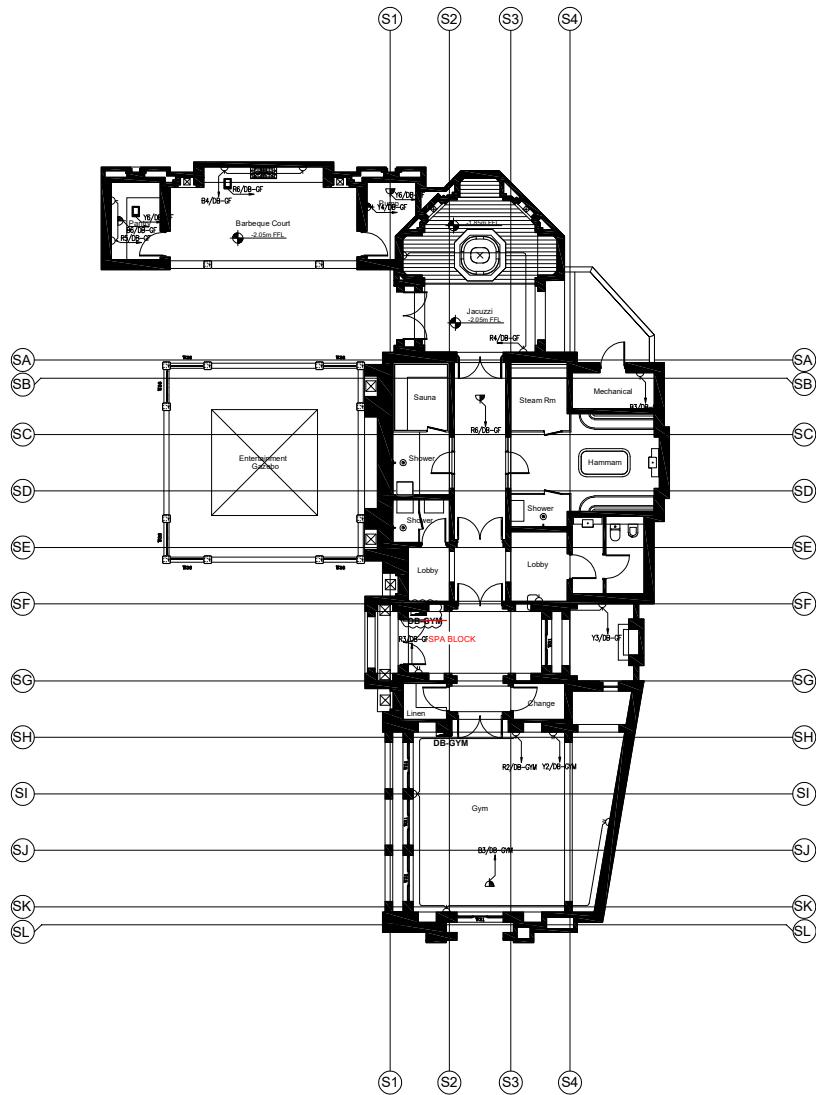
ROOF PLAN



SCALE
N.T.S. DATE 13-05-2018 DRAWN BY VR JUN. NO. 1

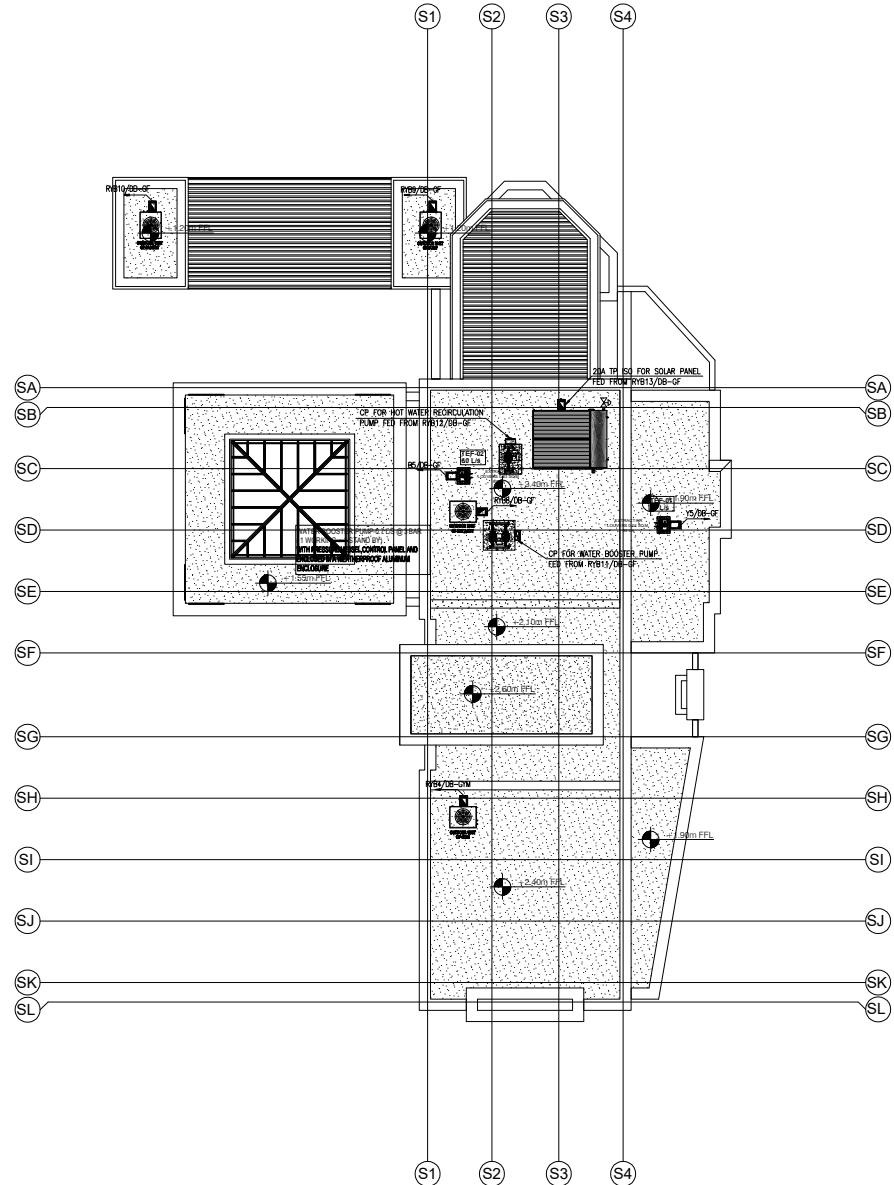


ARCHITECTURAL / 5MM =
1M LINEAR SCALE
NOT TO SCALE
NOT DRAWN TO ANY STANDARDS



BLOCK D - SPA SERVICE
G R O U N D F L O O R





BLOCK D - SPA SERVICE
R O O F P L A N



COMPASS ROSE / 4 CARDINAL DIRECTIONS
NORTH, SOUTH, EAST, WEST