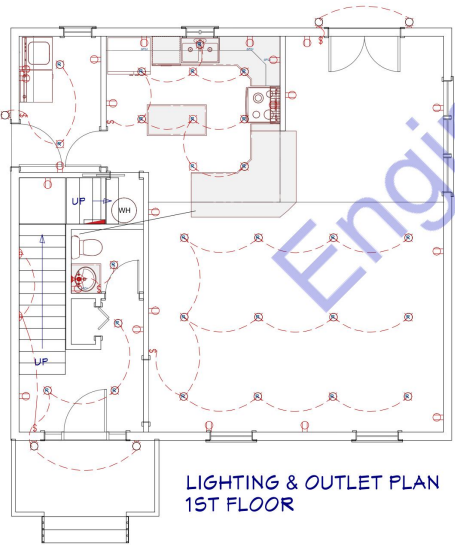
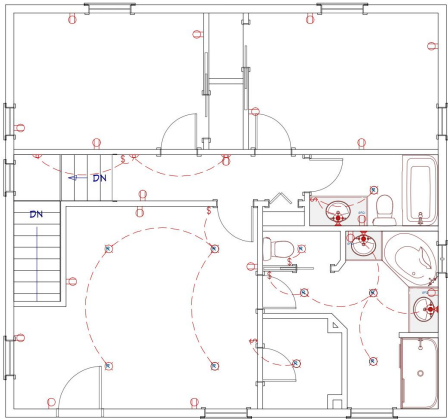


ELECTRICAL LEGEND	
	20W CEILING MOUNT LED LIGHT
	10W WALL MOUNT LED LIGHT
	10W WALL MOUNTED LED LIGHT
	ONE WAY SWITCH 110V
	TWO WAY SWITCH 110V
	GFI WATER PROOF OUTLET 110V/220V
	GFCI OUTLET 110V/220V
	E – DISTRIBUTION PANEL



LIGHTING & OUTLET PLAN
1ST FLOOR



LIGHTING & OUTLET PLAN
2ND FLOOR

REVISION TABLE			
NUMBER	DATE	REVISION BY	DESCRIPTION

Plans - Scale: 1/4" = 1'

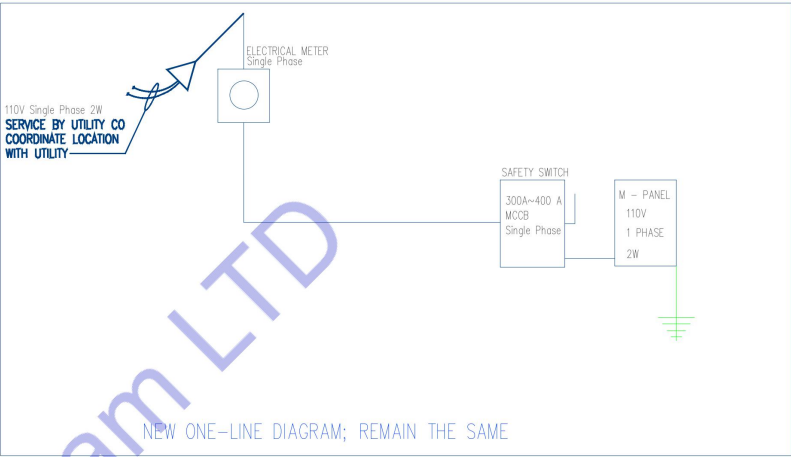
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ELECTRICAL PANEL M											
LOAD SERVED	OKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A	PHASE A	BKR TRIP	WIRE SIZE	TYPE	OKT #	LOAD SERVED
KITCHEN ROOM	1		25	#12	1640	390	15	#14		2	MASTER BEDROOM
DINING ROOM	3		25	#12	1540	200	15	#14		4	BEDROOM-2
FAMILY ROOM	5		25	#12	1740	200	15	#14		6	BEDROOM-3
FOYER & BATHROOM-1	7		20	#14	210	300	15	#14		8	MASTER BATH; BATHROOM-2 OTHER
LANUDRY	9		25	#12	2040	3517	30	#10		10	HVAC BEDROOM-2
HVAC FAMILY & LIVING	11		100	#3	10551	3517	30	#10		12	HVAC BEDROOM-3
HVAC MASTER BEDROOM	13		60	#3	7034	3500	30	#10		14	WATER HEATER
SPARE	15		15	#14	0	0	0	#14		15	SPARE
TOTAL VA PHASE A					24755	11624					36379
DIVIDE TOTAL VOLT-AMPS BY SYSTEM VOLTAGE (PHASE TO PHASE)						120		AMPS		303	
TOTAL CONNECTED LOAD (AMPS) @ 125%						379		400 AMP MCCB			
MAIN TYPE AND AMPERE RATING						PANEL FEEDER SIZE - SEE RISER DIAGRAM					



SINGLE LINE DIAGRAM

Material	
Name	Watt
110V ELECTRICAL DUPLEX RECEPTACLE WATERPROOF/110V DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER	20W
CEILING MOUNT ROUND LED LIGHT	20W
WALL MOUNT LED LIGHT	10W
HOOD EXHAUST	100W

120/240 VOLT SINGLE PHASE 2 WIRE ELECTRICAL SERVICE				
ITEM	CONN. LOAD (VA)	DEMAND F.	DEMAND LOAD (WATTS)	TOTAL (AMPS)
LIGHTING	880	125%	1100	
WATER HEATERS	3500	100%	3500	
LUNDRY & KITCHEN EQUIPMENT	3500	65%	2275	
FAMILY & LIVING EQUIPMENT	2000	65%	1300	
HVAC LOADS	24619	100%	24619	
SUB-TOTAL			32794	
LARGEST MOTOR	0	125%	0	
TOTAL @ 120/240 V	34499		32794	273-300

PANEL SCHEDULE & SERVICE CALCULATION

REVISION TABLE	
NUMBER	DATE

Plans - Scale: 1/4" = 1'

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Designed By Engr. Al Amin (MEP Engineer | Director - Engineer's Team LTD)



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