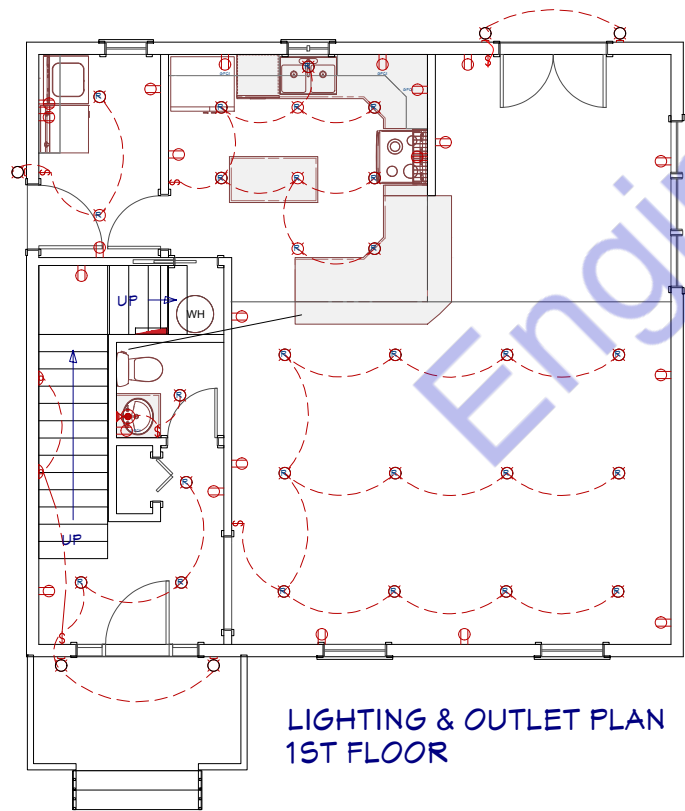
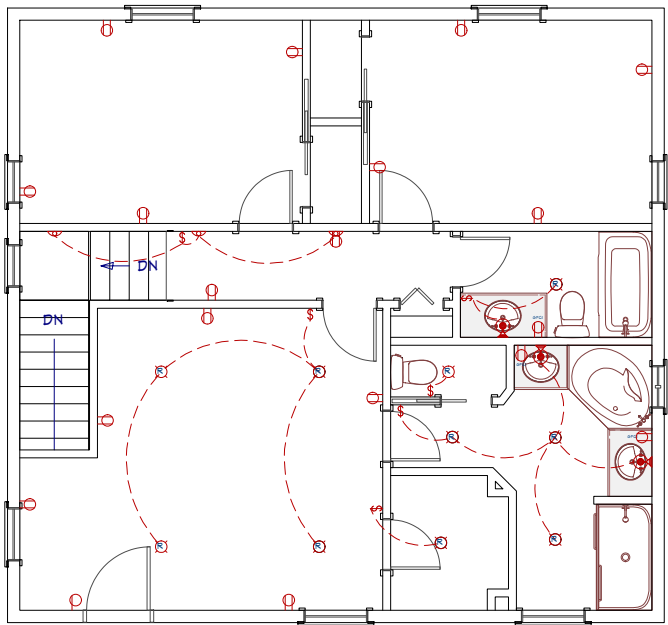


ELECTRICAL LEGEND	
	20W CEILING MOUNT LED LIGHT
	10W WALL MOUNT LED LIGHT
	10W WALL MOUNTED LED LIGHT
	ONE WAY SWITCH 110V
	TWO WAY SWITCH 110V
	GFI WATER PROOF OUTLET 110V/220V
	GFCI OUTLET 110V/220V
	E – DISTRIBUTION PANEL



LIGHTING & OUTLET PLAN
1ST FLOOR



LIGHTING & OUTLET PLAN
2ND FLOOR

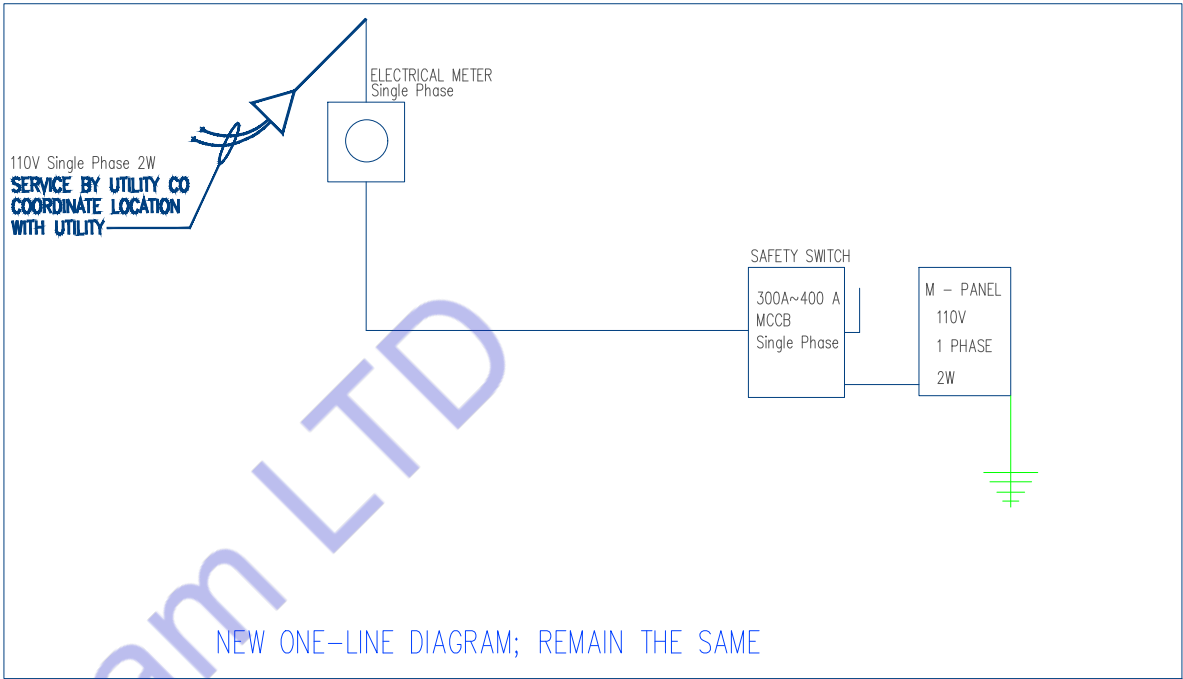
REVISION TABLE	
NUMBER	DATE

Plans - Scale: 1/4" = 1'

These plans were neither prepared by nor checked by a licensed architect or licensed engineer. Windy Hill Home Designs neither represents nor implies itself to be a licensed architect or engineer. Enjoy these plans, but use them at your own discretion. Reselling these plans is strictly prohibited.

DATE:
SHEET:
P-7

ELECTRICAL PANEL M														
LOAD SERVED	CKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A	PHASE A	BKR TRIP	WIRE SIZE	TYPE	CKT #	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								
MAIN TYPE AND AMPERE RATING						400 AMP MCCB								
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

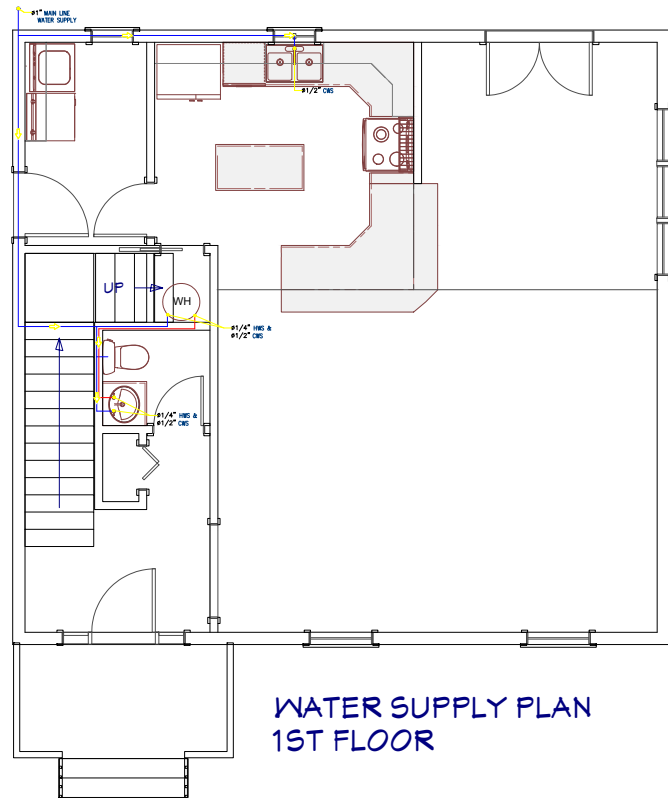
Plans - Scale: 1/4" = 1'

These plans were neither prepared by nor checked by a licensed architect or licensed engineer. Windy Hill Home Designs neither represents nor implies itself to be a licensed architect or engineer. Enjoy these plans, but use them at your own discretion. Reselling these plans is strictly prohibited.

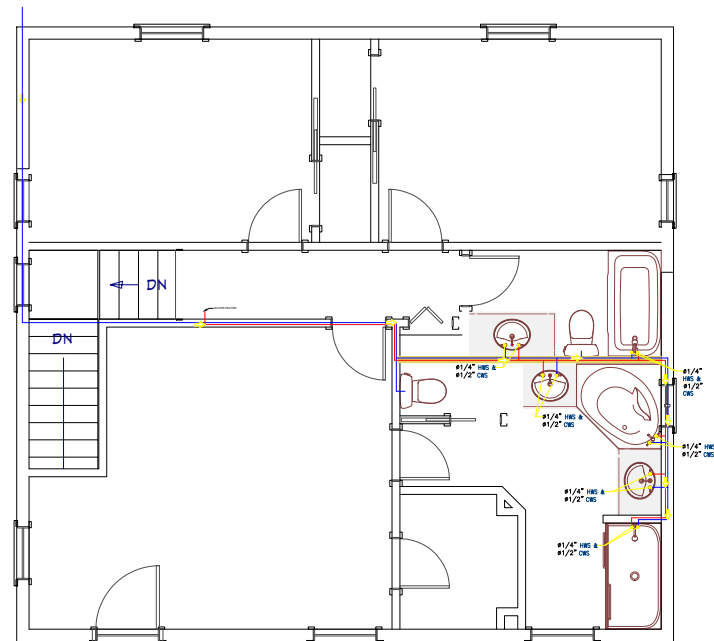
DATE:

SHEET:

P-8



WATER SUPPLY PLAN
1ST FLOOR



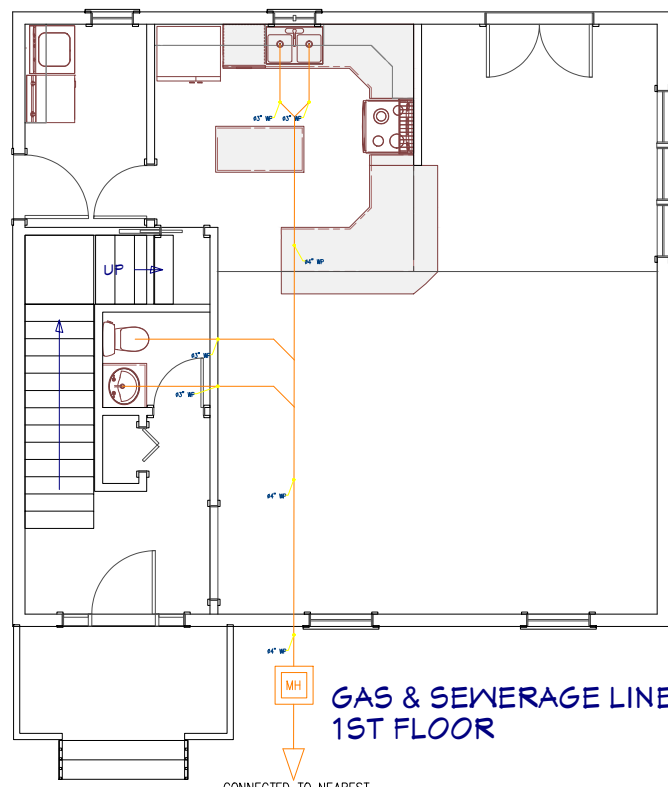
WATER SUPPLY PLAN
2ND FLOOR

PLUMBING LEGEND

- COLD WATER SUPPLY (COPPER PIPE, TYPE 'L')
- HOT WATER SUPPLY (COPPER PIPE, TYPE 'L')
- NATURAL GAS SUPPLY (IPS
YELLOW POLY GAS PIPE)

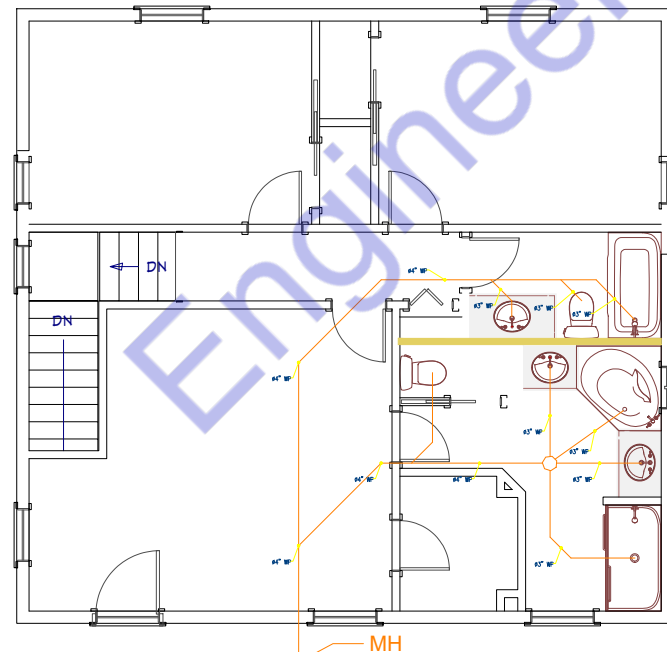
SEWERAGE LEGEND

- WASTE WATER/ SEWER LINE



CONNECTED TO NEAREST
MAIN CITY SEWERAGE LINE

GAS & SEWERAGE LINE PLAN
1ST FLOOR



GAS & SEWERAGE LINE PLAN
2ND FLOOR

REVISION TABLE	
NUMBER	DATE

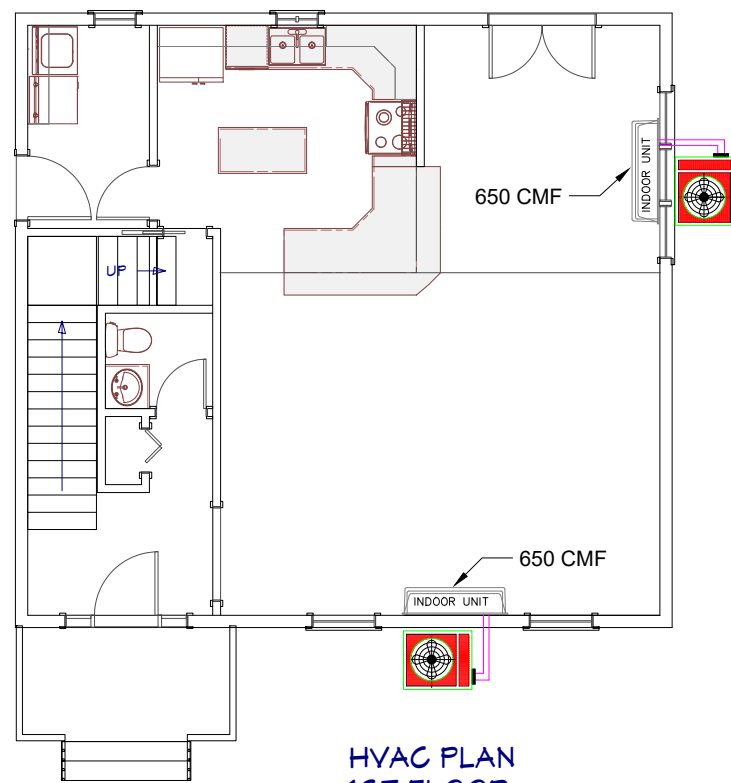
Plans - Scale: 1/4" = 1'

These plans were neither prepared by nor checked by a licensed architect or licensed engineer.
Windy Hill Home Designs neither represents nor implies itself to be a licensed architect or engineer.
Enjoy these plans, but use them at your own discretion.
Reselling these plans is strictly prohibited.

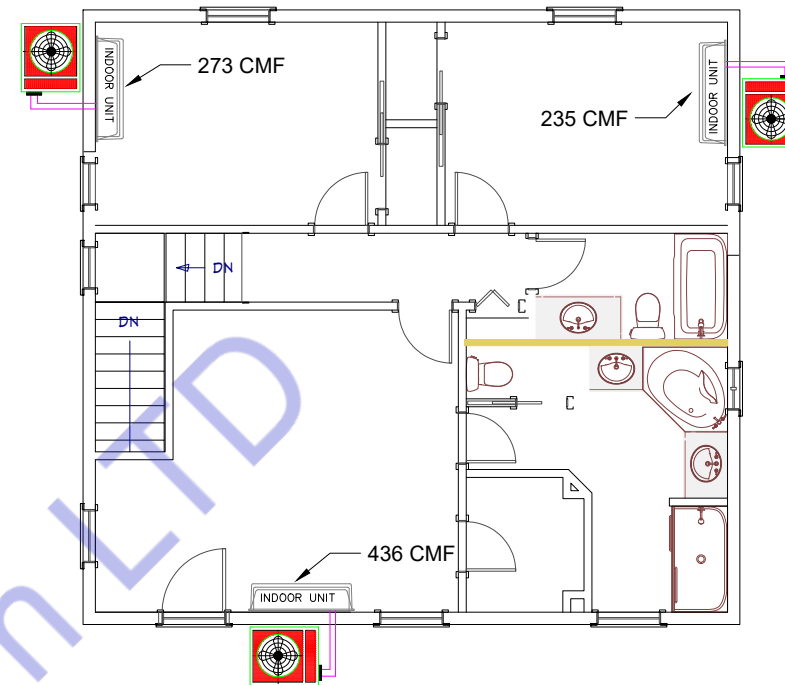
DATE:

SHEET:

P-9



HVAC PLAN
1ST FLOOR



HVAC PLAN
2ND FLOOR

HVAC LEGEND

INDOOR UNIT



OUTDOOR UNIT

INDOOR UNIT

REVISION TABLE	
NUMBER	DATE

Plans - Scale: 1/4" = 1'

These plans were neither prepared by nor checked by a licensed architect or licensed engineer.
Windy Hill Home Designs neither represents nor implies itself to be a licensed architect or engineer.
Enjoy these plans, but use them at your own discretion.
Reselling these plans is strictly prohibited.

DATE:

SHEET:

P-10



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

 support@engrteam.com

 <https://engrteam.com>

OUR SERVICES:

- MEP Plan Services
- HVAC Layout Plan
- Electrical Engineering Services
- Plumbing Engineering Services
- Fire protection & Security systems
- Specialized services

INFORMATION:

- Studio
- Contact Us
- Gift cards
- Privacy Policy
- Refund Policy
- Delivery Policy