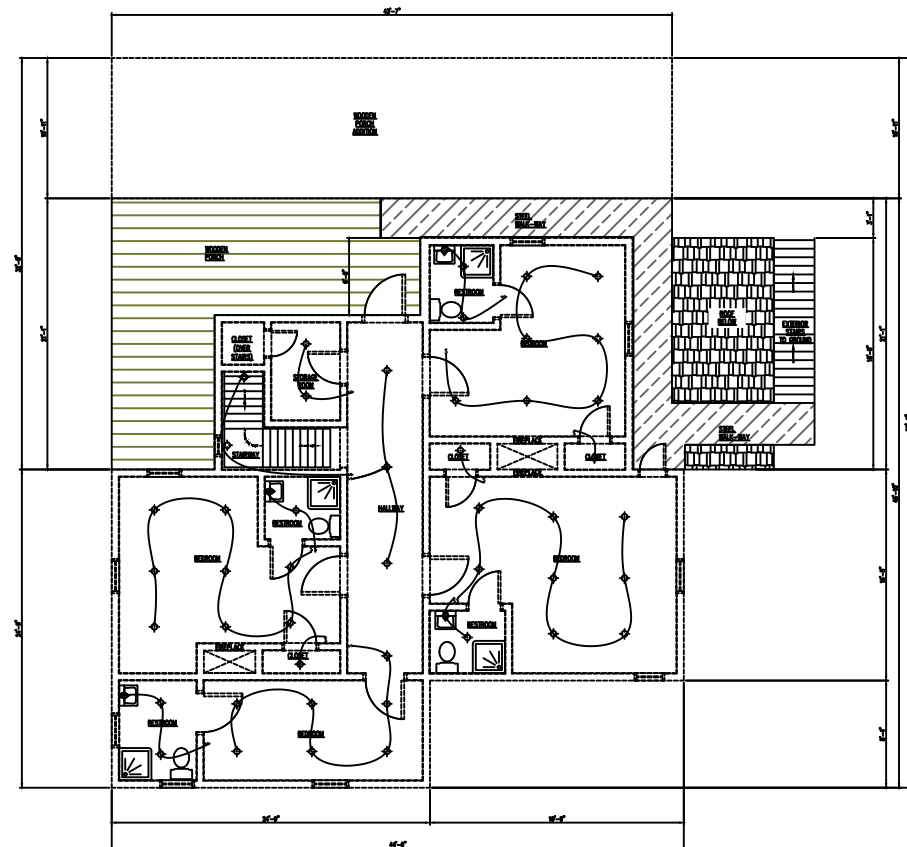
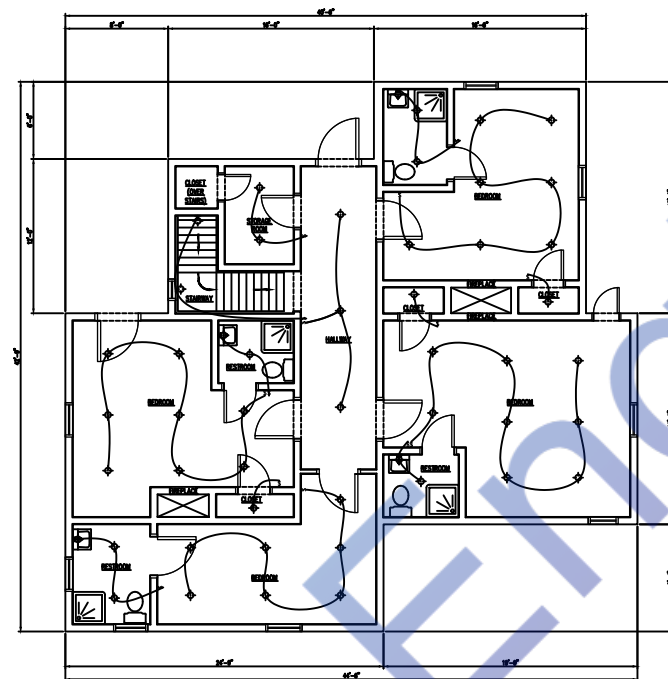




PROPOSED FLOOR PLAN
(UPPER PORCH/DECK)



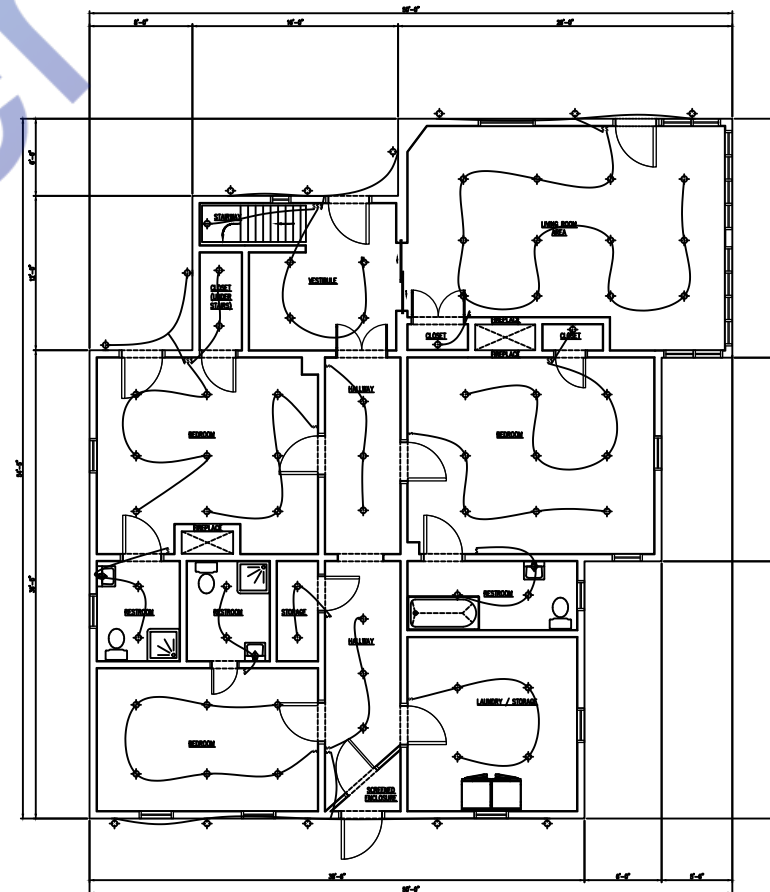
PROPOSED FLOOR
PLAN
(SECOND STORY)

ELECTRICAL LEGEND	
	20W CEILING MOUNT LED LIGHT
	150W LED HIGH BAY LIGHT
	SMOKE DETECTOR
	40W LED TUBE LIGHT 4 FEET
	40W LED LIGHT 4'x4'
	ONE WAY SWITCH 220V
	MULTI SOCKET OUTLET 220V
	10W WALL MOUNTED LED LIGHT
	60W CEILING FAN 220V
	SUB DISTRIBUTION BOARD
	MAIN DISTRIBUTION BOARD
	40W BATHROOM EXHAUST FAN
	EXIT LIGHT
	EMERGENCY LIGHT
	EXIT + EMERGENCY LIGHT

Note:
I have developed the Electrical Layout Plan for 2119 Emory St NW, Covington, GA 30014, in strict accordance with the latest applicable codes and regulations, ensuring compliance with all relevant standards. The codes and standards adhered to include:

- National Electrical Code (NEC), 2020 Edition with 2021 Georgia Amendments: This code serves as the Georgia State Minimum Standard Electrical Code, outlining the minimum requirements for safe electrical design, installation, and inspection to safeguard persons and property from electrical hazards.
- International Building Code (IBC), 2018 Edition with Georgia Amendments (2020): This code provides comprehensive guidelines for building safety, including structural design, fire safety, and building systems, ensuring the overall safety and integrity of structures.
- Georgia State Minimum Standard Codes: These codes encompass various aspects of construction and safety standards, including building, gas, mechanical, plumbing, and fire prevention codes, as adopted by the Georgia Department of Community Affairs.
- City of Covington Construction Codes: The City of Covington enforces the mandatory codes adopted by the Georgia Department of Community Affairs, ensuring that all construction within the city meets state and local requirements.

By adhering to these codes and standards, the Electrical Layout Plan ensures safety, reliability, and compliance with all pertinent regulations for the specified location.



PROPOSED FLOOR
PLAN
(FIRST STORY)



ENGINEER'S TEAM

430 E 8TH ST STE 8017
HOLLAND MI 49423

ENGRTEAM.COM

SUPPORT@ENGRTEAM.COM

OWNER:

Jesse Gentes

2119 Emory St NW, Covington,
GA 30014

SEAL:

Release for construction

ELECTRICAL LIGHTING PLAN

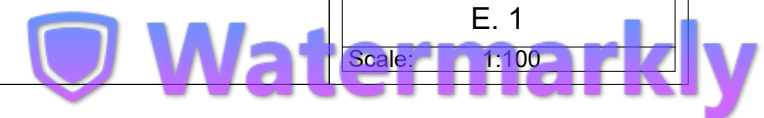
Drawn by: Engr. Al Amin

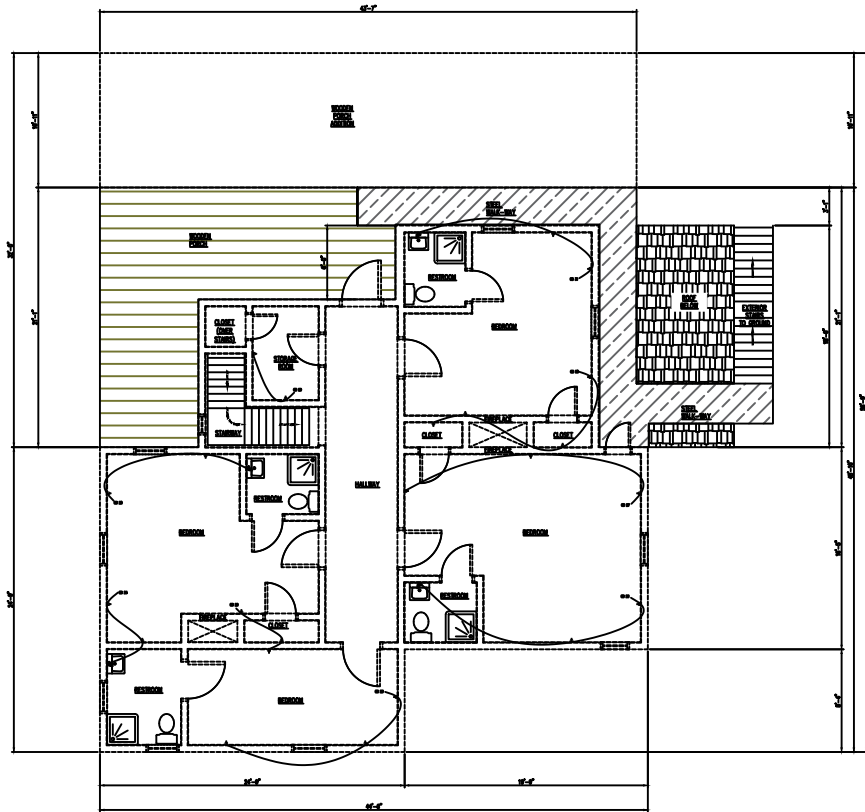
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Date: JAN, 01, 2025

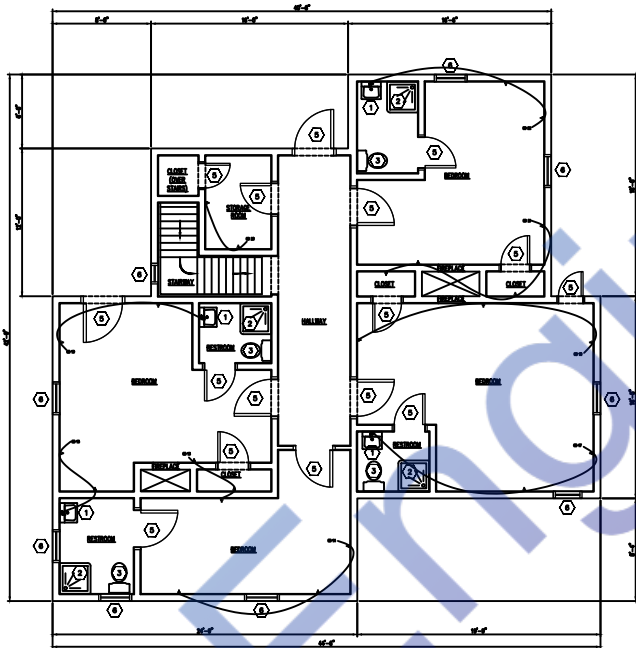
E. 1

Scale: 1:100





PROPOSED FLOOR PLAN
(UPPER PORCH/DECK)



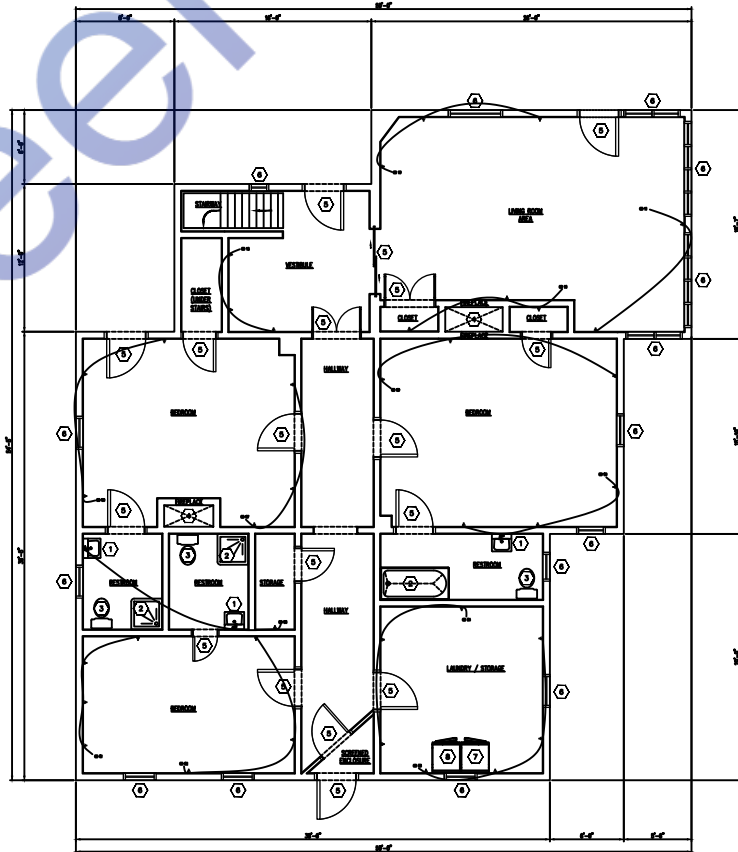
PROPOSED FLOOR
PLAN
(SECOND STORY)

ELECTRICAL LEGEND	
	MULTI SOCKET OUTLET 120V
	GFI MULTI SOCKET OUTLET 120V
	INSTANT WATER HEATER
	Ceiling and Floor Outlet

Note:
I have developed the Electrical Power Plan for 2119 Emory St NW, Covington, GA 30014, in strict compliance with the latest codes and regulations mandated by the State of Georgia and the City of Covington. The specific codes adhered to are:

1. National Electrical Code (NEC), 2023 Edition: This code serves as the Georgia State Minimum Standard Electrical Code and has been adopted without amendments, effective January 1, 2025.
2. International Building Code (IBC), 2018 Edition with Georgia Amendments (2025): This code outlines construction standards and has been adopted with specific Georgia amendments effective January 1, 2025.
3. International Residential Code (IRC), 2018 Edition with Georgia Amendments (2020): This code applies to one- and two-family dwellings and townhouses and includes Georgia-specific amendments effective as of 2020.
4. International Energy Conservation Code (IECC), 2015 Edition with Georgia Supplements and Amendments (2020): This code sets forth energy efficiency requirements and includes Georgia-specific supplements and amendments effective as of 2020.
5. City of Covington Construction Specifications: These local regulations include requirements for temporary service poles and other construction practices specific to Covington.

By adhering to these updated codes and regulations, the Electrical Power Plan ensures safety, compliance, and efficiency for the specified location.



PROPOSED FLOOR
PLAN
(FIRST STORY)



ENGINEER'S TEAM

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OWNER:

Jesse Gentes

2119 Emory St NW, Covington,
GA 30014

SEAL:

Release for construction

ELECTRICAL POWER PLAN

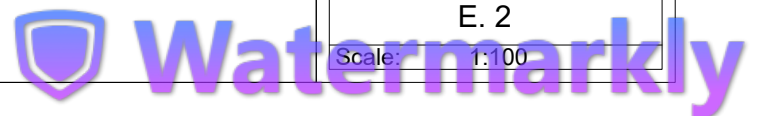
Drawn by: Engr. Al Amin

Checked:

Date: JAN, 01, 2025

E. 2

Scale: 1:100



120/208 VOLT SINGLE PHASE 2 WIRE ELECTRICAL SERVICE				
ITEM	CONN. LOAD (VA)	DEMAND F.	DEMAND LOAD (WATTS)	TOTAL (AMPS)
LIGHTING	3000	125%	3750	
WATER HEATERS	4000	100%	4000	
EQUIPMENT	5400	65%	3510	
HVAC LOADS	4000	100%	4000	
SUB-TOTAL			15260	
LARGEST MOTOR	0	125%	0	
TOTAL @ 120/208 V	16400		15260	128

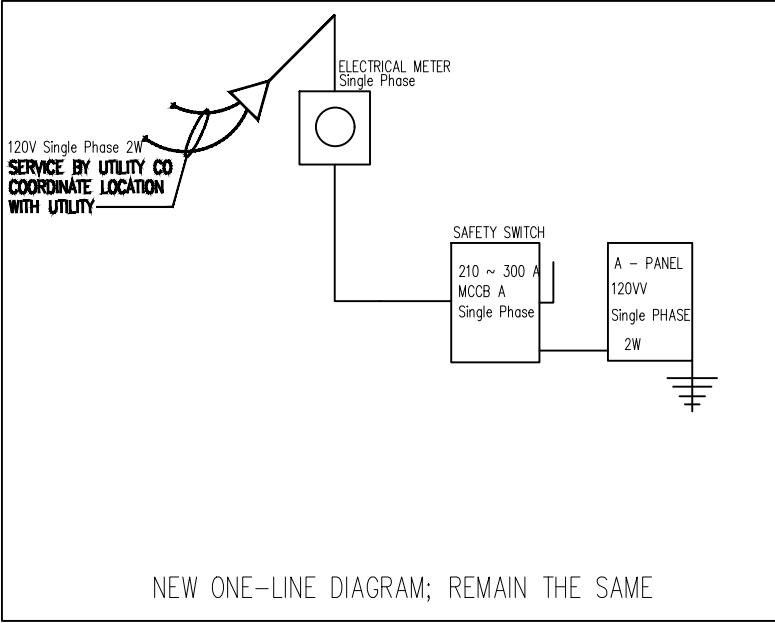
1
E200

PANEL SCHEDULE & SERVICE CALCULATION

ELECTRICAL PANEL -A

LOAD SERVED	CKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A	PHASE B	BKR TRIP	WIRE SIZE	TYPE	CKT #	LOAD SERVED
LIGHTING LOAD(UPPER PORCH)	1		40	#8	1000	1000	20	#12		2	LIGHTING LOAD FIRST FLOOR
LIGHTING LOAD SECOND FLOOR	3		40	#8	1000	1000	20	#12		4	WATER HEATER
CB-1	1		40	#8	500	500	20	#12		2	CB-2
CB-3	3		40	#8	500	500	20	#12		4	CB-4
CB-5	5		20	#12	500	500	20	#12		6	CB-6
CB-7	7		20	#12	500	500	20	#12		8	CB-8
CB-9	9		20	#12	500	500	20	#12		10	CB-10
CB-11	11		20	#12	500	500	20	#12		12	CB-12
CB-13	13		20	#12	500	500	20	#12		14	CB-14
CB-15	15		20	#12	500	500	20	#12		16	CB-16
CB-17	17		20	#12	500	500	20	#12		18	CB-18
CB-19	19		20	#12	500	500	20	#12		20	CB-20
CB-21	21		20	#12	500	500	20	#12		22	CB-22
CB-23	23		20	#12	500	500	20	#12		24	CB-24
CB-25	25		20	#12	500	500	20	#12		26	CB-26
CB-27	27		20	#12	500	500	20	#12		28	CB-28
CB-29	27		20	#12	500	500	20	#12		28	CB-30
CB-31	27		20	#12	500	0	20	#12		28	SPAR
TOTAL VA PHASE A					10000						10000
TOTAL VA PHASE B											9500
TOTAL VOLT-AMPS											19500
DIVIDE TOTAL VOLT-AMPS BY SYSTEM VOLTAGE (LINE TO LINE)						120	AMPS			162.5	
TOTAL CONNECTED LOAD (AMPS) @ 125%						204					
MAIN TYPE AND AMPERE RATING						210 ~ 300 AMP MCCB					
PANEL FEEDER SIZE – SEE RISER DIAGRAM											

Material	
Name	Watt
CEILING FAN	55W
CEILING MOUNT ROUND LED LIGHT	20W
WALL MOUNT LED LIGHT	10W
CEILING MOUNT 2"X2" SQUARE LED LIGHT	40W
HANGING LIGHT	20W



1
E200

SINGLE LINE DIAGRAM



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OWNER:
Jesse Gentes
2119 Emory St NW, Covington,
GA 30014

SEAL:

Release for construction

ELECTRICAL LOAD
SCHEDULE PLAN

Drawn by: Engr. Al Amin
Checked:
Date: JAN, 01, 2025

E. 3

Scale: 1:100

Watermarkly



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

 support@engrteam.com

 <https://engrteam.com>

OUR SERVICES:

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