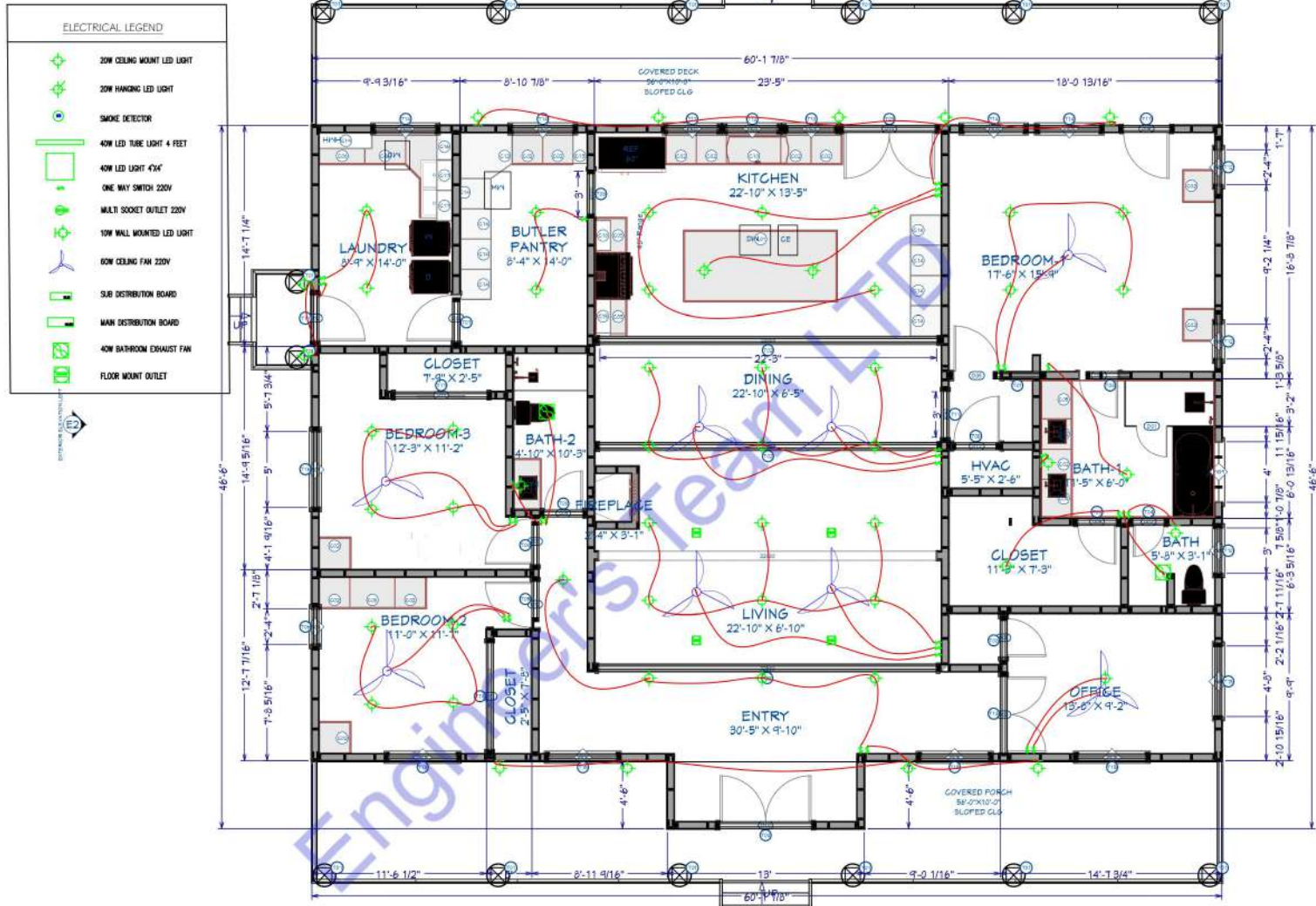
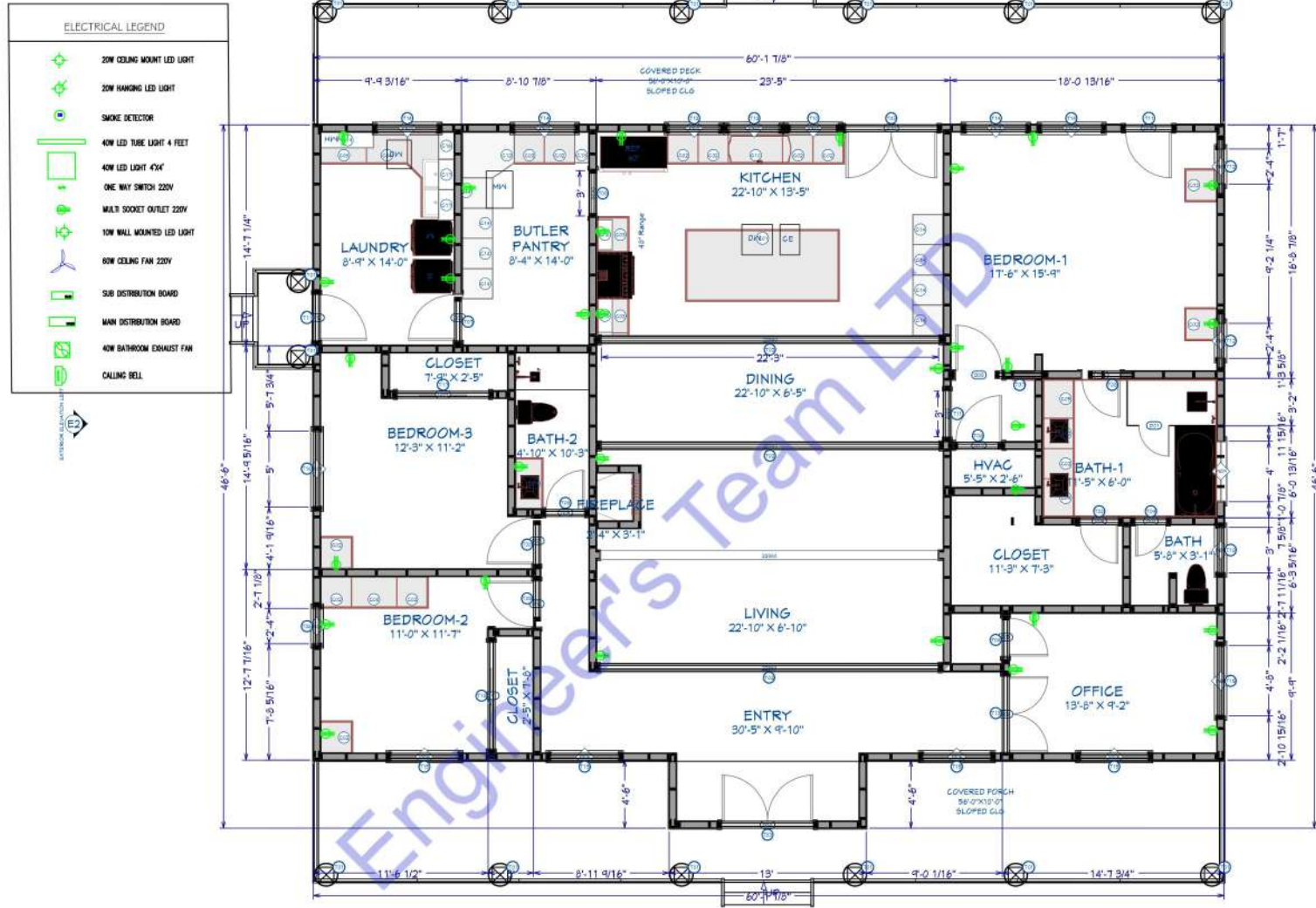




ELECTRICAL LIGHTING PLAN
HOUSE PLAN
3527 SQ FT

PROJECT TITLE	DRAWING TITLE	LOCATION	LEVEL	DRAWN BY	DATE	SCALE	REVISION :	REMARKS :	APPROVED BY :
CLASIC HOUSE	ELECTRICAL LIGHTING PLAN	Dublin Independent School District, TX, USA	GROUND FLOOR	MD AL AMIN	07/10/2024	A3	NO DATE DESCRIPTION DRAWN		NAME :
						NO. A7			DATE :



ELECTRICAL POWER PLAN
HOUSE PLAN
3527 S.G. FT.

PROJECT TITLE	DRAWING TITLE	LOCATION	LEVEL	DRAWN BY	DATE	SCALE	REVISION :	REMARKS :	APPROVED BY :
CLASIC HOUSE	ELECTRICAL POWER PLAN	Dublin Independent School District, TX, USA	GROUND FLOOR	MD AL AMIN	07/10/2024	A3	NO DATE DESCRIPTION DRAWN		NAME :
						NO. A8			DATE :

120/208 VOLT THREE PHASE 4 WIRE ELECTRICAL SERVICE				
ITEM	CONN. LOAD (VA)	DEMAND F.	DEMAND LOAD (WATTS)	TOTAL (AMPS)
LIGHTING	1750	125%	2188	
WATER HEATERS	2000	100%	2000	
KITCHEN EQUIPMENT	4200	65%	2730	
DINING EQUIPMENT	3000	65%	1950	
HVAC LOADS	26377	100%	26377	
SUB-TOTAL			35245	
LARGEST MOTOR	0	125%	0	
TOTAL @ 120/208 V	37327		35245	98

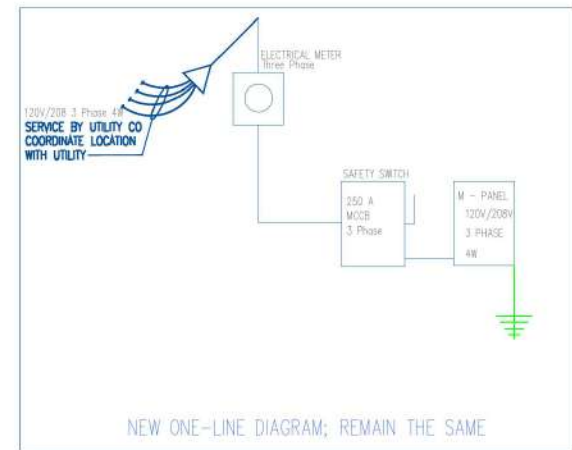
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PANEL SCHEDULE & SERVICE CALCULATION

E200

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

ELECTRICAL PANEL -MAIN													
LOAD SERVED	OKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A	PHASE B	PHASE C	PHASE B	BKR TRIP	WIRE SIZE	TYPE	OKT #	LOAD SERVED
HVAC	1		80	#3	8793			1750	20	#12		2	LIGHTS AND FANS LOAD
	3		80	#3		8793		2000	100	#3		4	WATER HEATER
	5		80	#3			8793	500	120	#1/0		6	REFRIGERATOR
CLOTHES DRYER	7		20	#12	3000			1000	20	#1/0		8	OVEN
COFFEE MAKER/TOASTER	9		100	#3	1200			1300	120	#1/0		10	DISHWASHER
ELECTRIC KETTLE	11		100	#3	1500			400	120	#1/0		12	WASHING MACHINE
VACUUM CLEANER/IRON	7		120	#1/0	1500			1000	100	#3		8	HAIR DRYER
SPARE	9		0	#12	0			0	0	#12		10	SPARE
SPARE	11		0	#12	0			0	0	#12		12	SPARE
TOTAL VA PHASE A					15993								15993
TOTAL VA PHASE B						8793		7950					16743
TOTAL VA PHASE C							8793						8793
TOTAL VOLT-AMPS													41529
DIVIDE TOTAL VOLT-AMPS BY SYSTEM VOLTAGE (PHASE TO PHASE)						208				AMPS			200
DIVIDE AMPS BY 3 PHASE MULTIPLIER						1.732				AMPS			116
TOTAL CONNECTED LOAD (AMPS) @ 125%										145			
MAIN TYPE AND AMPERE RATING										250 AMP MCCB			
PANEL FEEDER SIZE - SEE RISER DIAGRAM													



1

SINGLE LINE DIAGRAM

E200

PROJECT TITLE	DRAWING TITLE	LOCATION	LEVEL	DRAWN BY	DATE	SCALE	REVISION :	REMARKS :	APPROVED BY :
CLASIC HOUSE	ELECTRICAL LOAD SCHEDULE & SINGLE LINE DIAGRAM PLAN	Dublin Independent School District, TX, USA	GROUND FLOOR	MD AL AMIN	07/10/2024	A3	NO DATE DESCRIPTION DRAWN		NAME : DATE :
						NO. A9			



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



support@engrteam.com



<https://engrteam.com>

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