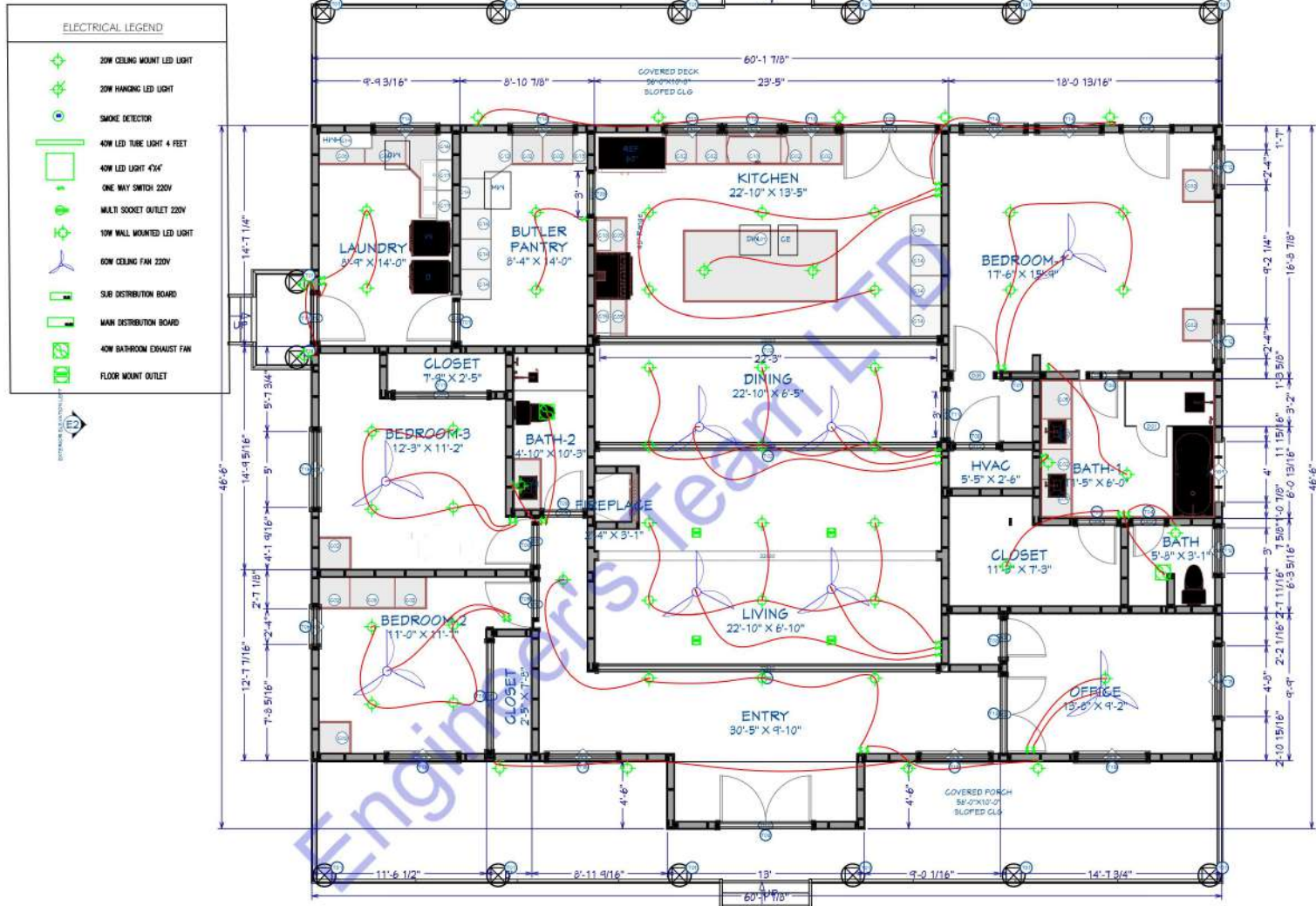




ELECTRICAL LIGHTING PLAN
HOUSE PLAN
3527 SQ FT

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 :

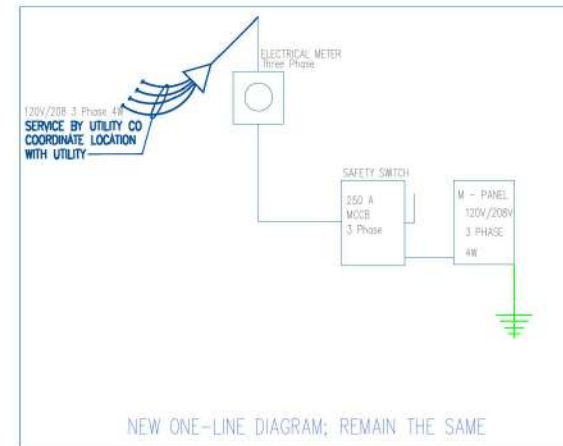
120/208 VOLT THREE PHASE 4 WIRE ELECTRICAL SERVICE				
ITEM	CONN. LOAD (VA)	DEMAND F.	DEMAND LOAD (WATTS)	TOTAL (AMPS)
LIGHTING	1750	125%	2188	
WATER HEATERS	2000	100%	2000	
KITCHEN EQUIPMENT	4200	65%	2730	
DINING EQUIPMENT	3000	65%	1950	
HVAC LOADS	26377	100%	26377	
SUB-TOTAL			35245	
LARGEST MOTOR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

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					15093								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 E200 PANEL SCHEDULE & SERVICE CALCULATION

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 SINGLE LINE DIAGRAM
E200

PROJECT TITLE	DRAWING TITLE	LOCATION	LEVEL	DRAWN BY	DATE			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	SCALE	A3	NO	DATE	DESCRIPTION	DRAWN	NAME : DATE :
						NO. A9						