LOAD SERVED	CKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A	PHASE E	PHASE C	PHASE A	PHASE	PHASE C	WIRE SIZE	BKR TRIP	TYPE	CKT #	LOAD SERVED	
HVAC UNIT-1, 8.5 TONs	1		40	#8	8800			9320			#8	40		2		
	3		40	#8		8800			9320		#8	40		4	HVAC UNIT-2, 9 TONs	
	5		40	#8			8800			9320	#8	40		6		
	7		50	#6	10171			6212			#10	30		8		
ELECTRICAL PANEL A	9		25	#10		5440			6212		#10	30		10	HVAC UNIT-3, 6 TONs	
	11		20	#14			3641			6212	#10	30		12		
	13		10	#14	0			1500			#14	10		14	PUMP 2 HP	
SPAR	13		10 10	#14		0			1119	0	#14	10		14	WATER SUPPLY PUMP 1.5 H	
							0			Ů	#14	10		14	SPAR	
TOTAL VA PHASE A					12055			17022		Ū	#14	10		14		
TOTAL VA PHASE A					12856	14200		17032	10051		#14	10		14	29888	
TOTAL VA PHASE B					12856	14200		17032	16651		#14	10		14	29888 30851	
					12856	14200	12341	17032	16651	15532	#14	10		14	29888	
TOTAL VA PHASE B					12856	14200		17032	16651		#14			14	29888 30851	
TOTAL VA PHASE B TOTAL VA PHASE C	DLT-AMI	PS BY S	YSTEM				12341		16651			AMPS		14	29888 30851 27873	
TOTAL VA PHASE B TOTAL VA PHASE C TOTAL VOLT-AMPS DIVIDE TOTAL VO				VOLTA			12341		40				MPS	14	29888 30851 27873 88612	
TOTAL VA PHASE B TOTAL VA PHASE C TOTAL VOLT-AMPS DIVIDE TOTAL VO	IVIDE A	MPS BY	3 PHA	VOLTA	AGE (PHA JLTIPLIER		12341	24	40			MPS	IPS .	14	29888 30851 27873 88612 369 213	
TOTAL VA PHASE B TOTAL VA PHASE C TOTAL VOLT-AMPS DIVIDE TOTAL VC	IVIDE A		3 PHA	VOLTA	AGE (PHA JLTIPLIER		12341	24	40			MPS	I PS	14	29888 30851 27873 88612	
TOTAL VA PHASE B TOTAL VA PHASE C TOTAL VOLT-AMPS DIVIDE TOTAL VC	TOTAL	MPS BY	3 PHA	VOLTA ASE MU	AGE (PHA JLTIPLIER	ISE TO PH	12341	24	40		<i>A</i> 3 PH <i>A</i>	MPS	IPS .	14	29888 30851 27673 88612 369 213	

LOAD SERVED ## TYPE FIRST FLOOR OUTDOOR & UNIT-1	BKR TRIP 20 20 20 20 20	WIRE SIZE #14 #14 #12 #14	PHASE A 2084 1282 3366	PHASE B	PHASE C	PHASE A 830 5975	PHASE 3660	PHASE C	#14 #12 #14 #10	BKR TRIP 10 20 20 30	TYPE	CKT # 2 4 6	LOAD SERVED HALLWAY N, POOL, BBQ, VERAND, FIRST FLOOR UNIT-2 & UNIT-3 GROUND CINEMA, GUST & T-1, 2 OUTBUILDING
FIRST FLOOR OUTDOOR & UNIT-1 1 GROUND LIVING, DINING 8 BAR 3 GRO, ALL OTHERS 5 GRO. P. BAD, PORCH, OFFICE, T-3 7 TOTAL VA PHASE A TOTAL VA PHASE B TOTAL VA PHASE C TOTAL VA PHASE C TOTAL VA PHASE C TOTAL VA PHASE B DIVIDE TOTAL VOLT—AMPS BY DIVIDE AMPS B	20 20 20 20	#14 #14 #12	2084 1282			830			#14 #12 #14	10 20 20	TYPE	# 2 4 6	HALLWAY N, POOL, BBQ, VERAND, FIRST FLOOR UNIT-2 & UNIT-3 GROUND CINEMA, GUST & T-1, 2
GROUND LIVING, DINING & BAR 3 GRO, ALL OTHERS 5 GRO, P. BAD, PORCH, OFFICE, T-3 7 TOTAL VA PHASE A TOTAL VA PHASE B TOTAL VA PHASE C TOTAL VA PHASE C TOTAL VOLT-AMPS DIVIDE TOTAL VOLT-AMPS BY DIVIDE AMPS B	20	#14	1282	1780	2357		3660	1284	#12 #14	20 20		4	FIRST FLOOR UNIT-2 & UNIT-3 GROUND CINEMA, GUST & T-1, 2
GRO. ALL OTHERS 5 GRO. P. BAD, PORCH, OFFICE, T-3 7 TOTAL VA PHASE A TOTAL VA PHASE B TOTAL VA PHASE C TOTAL VA PHASE C TOTAL VALT—AMPS DIVIDE TOTAL VOLT—AMPS BY DIVIDE AMPS B	20	#12		1780	2357	5975	3660	1284	#14	20		6	GROUND CINEMA, GUST & T-1, 2
GRO. P. BAD, PORCH, OFFICE, T.3 7 TOTAL VA PHASE A TOTAL VA PHASE B TOTAL VA PHASE C TOTAL VOLT-AMPS DIVIDE TOTAL VOLT-AMPS BY DIVIDE AMPS B	_	_			2357	5975		1284		_		_	
TOTAL VA PHASE A TOTAL VA PHASE B TOTAL VA PHASE C TOTAL VOLT-AMPS DIVIDE TOTAL VOLT-AMPS BY DIVIDE AMPS B	20	#14				5975			#10	30		8	OUTBUILDING
TOTAL VA PHASE B TOTAL VA PHASE C TOTAL VOLT-AMPS DIVIDE TOTAL VOLT-AMPS BY DIVIDE AMPS B			2266										
TOTAL VA PHASE B TOTAL VA PHASE C TOTAL VOLT-AMPS DIVIDE TOTAL VOLT-AMPS BY DIVIDE AMPS B			2266										
TOTAL VA PHASE C TOTAL VOLT-AMPS DIVIDE TOTAL VOLT-AMPS BY DIVIDE AMPS B			3300			6805							10171
TOTAL VOLT-AMPS DIVIDE TOTAL VOLT-AMPS BY DIVIDE AMPS B				1780			3660						5440
DIVIDE TOTAL VOLT—AMPS BY DIVIDE AMPS B					2357			1284					3641
DIVIDE TOTAL VOLT—AMPS BY DIVIDE AMPS B													
DIVIDE AMPS B													19252
DIVIDE AMPS B													
	SYSTE	v VOLT	AGE (PHA	SE TO PH	IASE)	2	40		A	MPS			80
TOTAL CONN	Y 3 PH	IASE MI	ULTIPLIER			1.7	'32		3 PHA	SE AM	MPS .		46
TOTAL CONN													•
	IECTED	LOAD (AMPS)										46
			•										•
TOTAL CONNECTE		(AMP	S) @ 125	%				58					
MAIN TYPE /	D LOAI	PERE F	RATING				10	04 ~ 110 A	MP MC	В			
				PANEL FE	EDER SIZE -	SEE RISER	DIAGRAM	v .					

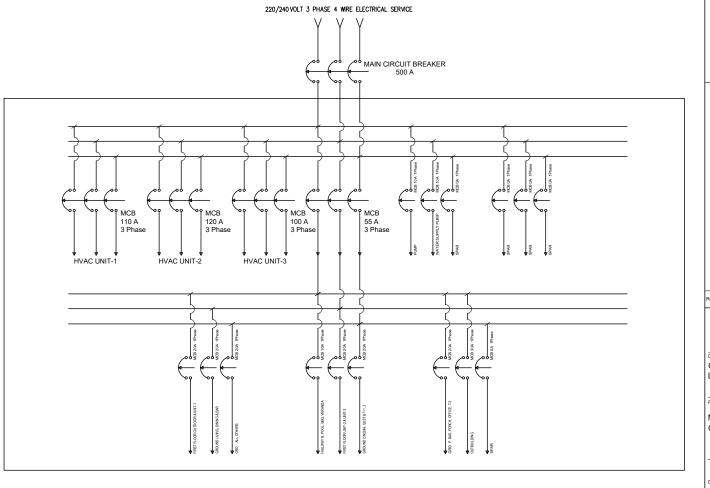
	Any discrepancies or variations are to be Designer before work commences.
	Do not scale drawings for measurement
VERANDA	This drawing and copyrights therein are Designer and may not used or reproduc
IIT-3 3 T-1, 2	Foundations, floors, walls, roof and stair Structural Engineer's Design and Detail

NOTES

	н	OUSE AT SEABROOK		
NEC ART 220 LOAD			PHASE 4 WIRE ELEC	TRICAL SERVICE
ITEM	CONN. LOAD (VA)	DEMAND F.	DEMAND LOAD (WATTS)	TOTAL (AMPS)
LIGHTING	19252	125%	24065	
WATER HEATERS	0	100%	0	
KITCHEN EQUIPMENT	3500	65%	2275	
DINNING EQUIPMENT	2000	65%	1300	
HVAC LOADS	72996	100%	72996	
SUB-TOTAL			100636	
LARGEST MOTOR	2619	125%	3273.75	
TOTAL 9 220/240V/3PH	75616		103909.75	157 ~ 160

PANEL SCHEDULE & SERVICE CALCULATION

Material	
Name	Watt
110V ELECTRICAL DUPLEX RECEPTACLE WATERPROOF/110V DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER	20W
2X2 FT LED LIGHT FLAT PANEL	40W
CEILING FAN WITH LIGHT AND REMOTE	55W
CEILING VENTILATION BATHROOM EXHAUST FAN WITH LED LIGHT	50W
VANITY LIGHT FIXTURES ADJUSTABLE BATHROOM LED LIGHT	22W
4 INCH ULTRA THIN LED RECESSED CEILING LED LIGHT	10W





				-
Rev	Description	Drawn By	Date	
Drawii GR	ng Title OUND & FIRST FLOOR E OUT PLANS			
Projec	RK STEVEN HOUSE			

Signature Date
AUGUST 2023

Checked:
Authorised:

 Authorised:
 Project No.
 Drawing Status
 Scale (at A1)

 JAM/232 CONCEPT DESIGN
 1 : 100

JAM/276/03