ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS
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C3600a - BENOWA TAVERN
DISTRIBUTION BOARD DB-B
REVISION A - 26 SEPTEMBER 2025

C3600a-0005(A).xls

REV

					J
FAULT CURRENT:	6KA	MAIN SWITCH:	250 NON AUTO LOAD BREAK	Α	
CHASSIS SIZE:	96 POLE			Α	
CHASSIS RATING:	250A	SUPPLY CABLE:	4C70+E	Α	I
PHASES:	3	SOURCE:	MDB	Α	l
REFER TO THE EQUIPMENT SCHEDULE A	ND NOTES FOR ADDIT	ONAL REQUIREMENTS. PROVIDE THE DB WITH	A FULL WIDTH EMPTY		Ì

REFER TO THE EQUIPMENT SCHEDULE AND NOTES FOR ADDITIONAL REQUIREMENTS. PROVIDE THE DB WITH A FULL WIDTH EMPTY DIN RAIL TO ACCOMMODATE FUTURE CONTACTORS AND CONTROLS IN ADDITION TO THE CONTROLS INCLUDING THE DYNALITE EQUIPMENT PROVIDED AS PART OF THE INITIAL WORKS. PROVIDE THE DB WITH AN AS2293 EMERGENCY LIGHTING CONTROL SYSTEM TO CONTROL THE ASSOCIATED EMERGENCY LIGHTS. PROVIDE THE DB WITH SURGE PROTECTION. ENSURE THE SCHEDULE INCLUDES THE CIRCUIT USE AND LOCATION. ALLOW NEW SWITCHGEAR AND CONTROLS TO CONNECT ANY EXISTING DB-A CIRCUITS THAT REMAIN.

CIRC	PH	CIRCUIT	CONTROL	CABLE	LOCATION	CIRCUIT	Α
Oiito		BREAKER (amps)	EQUIPMENT	SIZE (mm ²)	LOGATION	USE	Α
P1	1	20	RCBO	2.5	BAR	GLASS WASHER	Α
P2	1	20	RCBO	2.5	BAR	POS	Α
P3	1	20	RCBO	2.5	BAR	REF	Α
P4	1	20	RCBO	2.5	BAR	REF	Α
P5	1	25	RCBO	6.0	BAR	COFFEE	Α
P6	1	20	RCBO	2.5	BAR	GPOs	Α
P7	1	20	RCBO	2.5	DINING	CLEANING	Α
P8	1	20	RCBO	2.5	SOUND LOCK	AUTO DOOR	Α
P9	1	20	RCBO	2.5	DINING	TV	Α
P10	1	20	RCBO	2.5	AMENITY	HD	Α
P11	1	20	RCBO	2.5	FUNCTION	CLEANING	Α
P12	1	20	RCBO	2.5	SOUND LOCK	ATM	Α
P13	3	63		16.0	EXTERNAL	DBS	Α
							Α
							Α
							Α
							Α
L1	1	20	RCBO	2.5	DINING	LIGHTING	Α
L2	1	20	RCBO	2.5	AMENITIES	LIGHTING	Α
L3	1	20	RCBO	2.5	AMENITIES	LIGHTING	Α
L4	1	20	RCBO	2.5	KIDS	LIGHTING	Α
L5	1	20	RCBO	2.5	DINING	LIGHTING	Α
L6	1	20	RCBO	2.5	TERRACE	LIGHTING	Α
L7	1	20	RCBO	2.5	DINING	LIGHTING	Α
L8	1	20	RCBO	2.5	FUNCTION	LIGHTING	Α
L9	1	20	RCBO	2.5	FUNCTION	LIGHTING	Α
L10	1	20	RCBO	2.5	FUNCTION	LIGHTING	Α
L11	1	20	RCBO	2.5	FUNCTION	LIGHTING	Α
L12	1	20	RCBO	2.5	BAR	LIGHTING	Α
L13	1	20	RCBO	2.5	DINING	LIGHTING	Α
L14	1	20	RCBO	2.5	DINING	LIGHTING	Α
L15	1	20	RCBO	2.5	BAR	LIGHTING	Α
L16	1	20	RCBO	2.5	DECK	HEATER	Α
L17	1	20	RCBO	2.5	DECK	HEATER	Α
L18	1	20	RCBO	2.5	DECK	HEATER	Α
L19	1	20	RCBO	2.5	DECK	HEATER	Α
L20	1	20	RCBO	2.5	CEILING VOID	FLOOD LIGHTS	Α
L21	1	20	RCBO	2.5	FUNCTION	LIGHTING	Α
L22	1	20	RCBO	2.5	FUNCTION	LIGHTING	Α
L23	1	20	RCBO	2.5	DINING	LIGHTING	Α
L24	1	20	RCBO	2.5	EXTERNAL	LIGHTING	Α
L25	1	20	RCBO	2.5	EXTERNAL	LIGHTING	Α
L26	1	20	RCBO	2.5	EXTERNAL	LIGHTING	Α
L27	1	20	RCBO	2.5	EXTERNAL	LIGHTING	Α



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	20113 111	AT REMAIN.					
		CIRCUIT	CONTROL	CABLE	LOCATION	CIRCUIT	A
CIRC	PH	· · · · · - · · · · · · · · · · · · · · · · · · ·	CONTROL EQUIPMENT	CABLE SIZE (mm²)	LOCATION	CIRCUIT	A A
		CIRCUIT			LOCATION EXTERNAL		
CIRC	РН	CIRCUIT BREAKER (amps)	EQUIPMENT	SIZE (mm²)		USE	А
CIRC L28	PH	CIRCUIT BREAKER (amps)	EQUIPMENT RCBO	SIZE (mm²) 2.5	EXTERNAL	USE LIGHTING	A
CIRC L28 L29	PH 1 1 1	CIRCUIT BREAKER (amps) 20 20	EQUIPMENT RCBO RCBO	SIZE (mm ²) 2.5 2.5	EXTERNAL EXTERNAL	USE LIGHTING LIGHTING	A A A
L28 L29 L30	PH 1 1 1 1 1	CIRCUIT BREAKER (amps) 20 20 20 20	EQUIPMENT RCBO RCBO RCBO	SIZE (mm ²) 2.5 2.5 2.5 2.5	EXTERNAL EXTERNAL EXTERNAL	USE LIGHTING LIGHTING LIGHTING	A A A
L28 L29 L30 L31	PH 1 1 1 1 1 1 1	CIRCUIT BREAKER (amps) 20 20 20 20 20 20	EQUIPMENT RCBO RCBO RCBO RCBO	SIZE (mm ²) 2.5 2.5 2.5 2.5 2.5	EXTERNAL EXTERNAL EXTERNAL EXTERNAL	USE LIGHTING LIGHTING LIGHTING LIGHTING	A A A A
L28 L29 L30 L31 L32	PH 1 1 1 1 1 1 1	CIRCUIT BREAKER (amps) 20 20 20 20 20 20 20 20 20 2	EQUIPMENT RCBO RCBO RCBO RCBO RCBO RCBO	SIZE (mm ²) 2.5 2.5 2.5 2.5 2.5 2.5	EXTERNAL EXTERNAL EXTERNAL EXTERNAL EXTERNAL EXTERNAL	USE LIGHTING LIGHTING LIGHTING LIGHTING LIGHTING LIGHTING	A A A A
L28 L29 L30 L31 L32 L33	PH 1 1 1 1 1 1 1 1 1	CIRCUIT BREAKER (amps) 20 20 20 20 20 20 20 20 20 2	EQUIPMENT RCBO RCBO RCBO RCBO RCBO RCBO RCBO	SIZE (mm ²) 2.5 2.5 2.5 2.5 2.5 2.5 2.5	EXTERNAL EXTERNAL EXTERNAL EXTERNAL EXTERNAL EXTERNAL	USE LIGHTING LIGHTING LIGHTING LIGHTING LIGHTING LIGHTING HEAT LAMPS	A A A A A
L28 L29 L30 L31 L32 L33 L34	PH 1 1 1 1 1 1 1 1 1 1 1	CIRCUIT BREAKER (amps) 20 20 20 20 20 20 20 20 20 20 20	EQUIPMENT RCBO RCBO RCBO RCBO RCBO RCBO RCBO RCBO RCBO	SIZE (mm²) 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.	EXTERNAL EXTERNAL EXTERNAL EXTERNAL EXTERNAL EXTERNAL	USE LIGHTING LIGHTING LIGHTING LIGHTING LIGHTING LIGHTING HEAT LAMPS SIGN	A A A A A A
L28 L29 L30 L31 L32 L33 L34	PH 1 1 1 1 1 1 1 1 1 1 1	CIRCUIT BREAKER (amps) 20 20 20 20 20 20 20 20 20 20 20	EQUIPMENT RCBO RCBO RCBO RCBO RCBO RCBO RCBO RCBO RCBO	SIZE (mm²) 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.	EXTERNAL EXTERNAL EXTERNAL EXTERNAL EXTERNAL EXTERNAL	USE LIGHTING LIGHTING LIGHTING LIGHTING LIGHTING LIGHTING HEAT LAMPS SIGN	A A A A A A