



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

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DISTRIBUTION BOARD DB-A

REVISION D - 26 FEBRUARY 2025

FAULT CURRENT: 6KA CHASSIS SIZE: 60 + 84 POLE CHASSIS RATING: 250A PHASES: 3							MAIN SWITCH: 250A NON AUTO LOAD BREAK	REV A A A A
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. RECONNECT ALL OF THE EXISTING DB-A CIRCUITS THAT REMAIN TO THE NEW DB-A WITH NEW SWITCHGEAR AND CONTROLS THAT HAS THE SAME CAPACITY AND FUNCTION AS THE ORIGINAL. RECONNECT THE EXISTING SUPPLY SUBMAIN. REMOVE THE ADJACENT RCD ENCLOSURE. UPDATE THE SCHEDULE AT PRACTICAL COMPLETION TO INCLUDE THE CIRCUIT USE AND LOCATION. PROVIDE THE DB WITH 2 X 3 PHASE 100 AMP DIN RAIL MOUNTED CIRCUIT BREAKERS TO SUPPLY THE TWO EXISTING AIRCONDITIONING SYSTEMS.							A	
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE		
L1	1	20	RCBO	2.5	BISTRO	LIGHTS	B	
L2	1	20	RCBO	2.5	BISTRO	MODULE 1	D	
L3	1	20	RCBO	2.5	BISTRO	MODULE 2	D	
L4	1	20	RCBO	2.5	BISTRO	MODULE 3	D	
L5	1	20	RCBO	2.5	BISTRO	MODULE 4	D	
L6	1	20	RCBO	2.5	BISTRO	MODULE 5	D	
L7	1	20	RCBO	2.5	GAMING	MODULE 6	D	
L8	1	20	RCBO	2.5	AMENITIES	MODULE 7	D	
L9	1	20	RCBO / CONTACTOR	2.5	GAMING	CH '16 17 18 & 19	D	
L10							D	
L11							D	
L12							D	
L13							D	
L14							B	
L15							B	
L16							B	