

ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

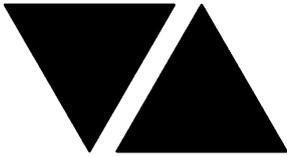
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C3316a - MOTORAMA - HILLCREST NISSAN
DISTRIBUTION BOARD DB-K (KIA BUILDING)
REVISION B - 11 OCTOBER 2024

C3316a-0004(B).xls

FAULT CURRENT: 6KA CHASSIS SIZE: 84 POLES CHASSIS RATING: 250A PHASES: 3							REV
MAIN SWITCH: 250A NON AUTO ISOLATOR SUPPLIED FROM: MSB SUPPLY CABLE: 1C 95							A
MODIFY THE EXISTING DISTRIBUTION BOARD TO ACCOMMODATE THE ADDITIONAL CIRCUITS AND CHANGES. REMOVE ALL SWITCHGEAR THAT BECOMES REDUNDANT. UPDATE THE SCHEDULE AT PRACTICAL COMPLETION. ALL NEW SWITCHGEAR IS TO MATCH THE EXISTING.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	EXTERNAL	EXISTING RAIN BIRD PUMP	A
P2	1	20	RCBO	2.5	EXTERNAL	EXISTING MAINTENANCE	A
P3	1	20	RCBO	2.5	OFFICES	EXISTING GPOs	A
P4							A
P5	1	20	RCBO	2.5	NISSAN	REUSE EXISTING SALES	A
P6	1	20	RCBO	2.5		REUSE EXISTING SALES	A
P7	1	20	RCBO	2.5		REUSE EXISTING CLEANER	A
P8	1	20	RCBO	2.5		EXISTING FLOOR BOX	A
P9	1	20	RCBO	2.5		EXISTING FLOOR BOX	A
P10							A
P11	1	20	RCBO	2.5	SHOWROOM	EXISTING AUTO DOOR	A
P12	1	20	RCBO	2.5	MITSUBISHI	EXISTING RECEPTION	A
P13	1	20	RCBO	2.5		EXISTING SALES	A
P14							A
P15	1	20	RCBO	2.5		EXISTING PRINTER	A
P16	1	20	RCBO	2.5		EXISTING OFFICE	A
P17	1	20	RCBO	2.5		EXISTING CLEANER	A
P18	1	20	RCBO	2.5	SERVICE	EXISTING RECEPTION	A
P19	1	20	RCBO	2.5	SERVICE	EXISTING EXTERNAL DESK	A
P20	1	20	RCBO	2.5	SERVICE	EXISTING PRINTER	A
P21	1	20	RCBO	2.5	SERVICE	EXISTING TV	A
P22							A
P23	1	25	RCBO	4.0	AMENITY	EXIST HAND DRYER	A
P24	1	20	RCBO	2.5	AMENITY	EXISTING 3.6KW HWS	A
P25	1	20	RCBO	2.5	TRAINING	REUSE EXISTING GPOs	A
P26	1	20	RCBO	2.5	STORE	EXISTING GPOs	A
P27	1	20	RCBO	2.5	STORE	EXISTING SECURITY	A
P28	1	20	RCBO	2.5	STORE	EXISTING CR-K	A
P29	1	20	RCBO	2.5		EXISTING KITCHEN	A
P30	1	20	RCBO	2.5		EXISTING AUTO BOILER	A
P31	1	20	RCBO	2.5		EXISTING HWS	A
P32	1	20	RCBO	2.5	CAFE	EXISTING COFFEE	A
P33	1	20	RCBO	2.5	CAFE	EXISTING GPOs	A
P34	1	20	RCBO	2.5	CAFE	EXISTING HWS	A
P35	1	20	RCBO	2.5	CAFE	EXISTING AUTO BOILER	A
P36	1	20	RCBO	2.5	EXTERNAL	EXISTING GPOs	A
P37	1	20	RCBO	2.5	ROOF	EXISTING GPOs	A
P38	1	20	RCBO	2.5	MITSUBISHI	NEW AUTO BOILER	A
P39	1	20	RCBO	2.5	MITSUBISHI	NEW KITCHEN	A
P40	1	20	RCBO	2.5	DELIVERY	NEW BLINDS	A



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MODIFY THE EXISTING DISTRIBUTION BOARD TO ACCOMMODATE THE ADDITIONAL CIRCUITS AND CHANGES. REMOVE ALL SWITCHGEAR THAT BECOMES REDUNDANT. UPDATE THE SCHEDULE AT PRACTICAL COMPLETION. ALL NEW SWITCHGEAR IS TO MATCH THE EXISTING.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
L1	1	20	RCBO	2.5	EXTERNAL	REUSE EXISTING BUILDING SIGNAGE	A
L2	1	20	RCBO	2.5	EXTERNAL	REUSE EXISTING BUILDING SIGNAGE	A
L3	1	20	RCBO	2.5	EXTERNAL	REUSE EXISTING BUILDING SIGNAGE	A
L4	1	20	RCBO	2.5	EXTERNAL	EXISTING BUILDING SIGNAGE	A
L5	1	20	RCBO	2.5	EXTERNAL	REUSE EXISTING SECURITY LIGHTING	A
L6	1	20	RCBO	2.5	INTERNAL	REUSE EXISTING SECURITY LIGHTING	A
L7	1	20	RCBO	2.5	EXTERNAL	REUSE EXISTING DRIVE THRU LIGHTING	A
L8	1	20	RCBO	2.5	SHOWROOM	REUSE EXISTING LIGHTING	A
L9	1	20	RCBO	2.5	SHOWROOM	REUSE EXISTING LIGHTING	A
L10	1	20	RCBO	2.5	SHOWROOM	REUSE EXISTING LIGHTING	A
L11	1	20	RCBO	2.5	SHOWROOM	REUSE EXISTING LIGHTING	A
L12	1	20	RCBO	2.5	SALES	REUSE EXISTING LIGHTING	A
L13	1	20	RCBO	2.5	BOH	REUSE EXISTING LIGHTING	A
L14	1	20	RCBO	4.0	EXTERNAL	EXISTING CARPARK LIGHTING	A
L15	1	20	RCBO	4.0	EXTERNAL	EXISTING CARPARK LIGHTING	A
L16	1	20	RCBO	4.0	EXTERNAL	EXISTING CARPARK LIGHTING	A
L17	1	20	RCBO	2.5	EXTERNAL	EXISTING FLOOD LIGHTS	A
L18	1	20	RCBO	2.5	EXTERNAL	EXISTING FLOOD LIGHTS	A
L19	1	20	RCBO	4.0	EXTERNAL	EXISTING PYLON	A
L20	1	20	RCBO	4.0	EXTERNAL	EXISTING PYLON	A
L21	1	20	RCBO	2.5	EXTERNAL	EXISTING CARPARK LIGHTING	A
L22	1	20	RCBO	2.5	DELIVERY	NEW LIGHTING	A
L23	1	20	RCBO	2.5	DELIVERY	NEW LIGHTING	B