

POWER LEGEND

	10A SINGLE SWITCHED SOCKET OUTLET
	10A DOUBLE SWITCHED SOCKET OUTLET USB = OUTLET TO INCLUDE CLIPSAL OR HPM USB CHARGE POINT SW = CABLEWAY SOFTWIRING OUTLET, BLACK COLOUR
	15A SWITCHED SOCKET OUTLET
	20A SWITCHED SOCKET OUTLET
	32A SWITCHED SOCKET OUTLET
	10A PENDANT SWITCHED SOCKET OUTLET WITH SCREW CAP. ENTIRE LENGTH OF PENDANT CABLE SUPPORTED BY STAINLESS STEEL WIRE.
	SINGLE PHASE PERMANENT CONNECTION
	THREE PHASE PERMANENT CONNECTION
	THREE PHASE 5 PIN 415V IP56. COMBINATION OUTLET C/W MATCHING SCREW RING ATTACHMENT TYPE PLUG - CLIPSAL
	IP56. BELL PRESS PUSH BUTTON
	LOW VOLTAGE BELL
	SINGLE 10A UPS POWERED ROUND EARTH PIN SWITCHED SOCKET OUTLET
	DOUBLE 10A UPS POWERED ROUND EARTH PIN SWITCHED SOCKET OUTLET
	FREE TO AIR TV ANTENNA POINT
	CONDUIT AND WALL BOX FOR PA VOLUME CONTROL
	THE NUMBER REPRESENTS THE HEIGHT OF ANY DEVICE ABOVE FINISHED FLOOR LEVEL TO CENTRE OF DEVICE
	CONDUIT PROVISION FOR MICROPHONE
	BLACK 3-CHANNEL METAL DUCT, 150mm X 50mm, ECD OR CABLEWAY
	BLACK 2-CHANNEL METAL DUCT, 150mm X 50mm, ECD OR CABLEWAY
	DENOTES - IP56 INDUSTRIAL GREY CLIPSAL
	DENOTES - IP56 CHEMICAL RESISTANT WHITE CLIPSAL
	OUTLET TO INCLUDE CLIPSAL 56EV2-GY ADAPTOR FOR VERTICAL PLUG ENTRY

EMERGENCY LIGHTING LEGEND

DESCRIPTION	CATALOGUE No.	
	CLEVERTRONICS	STANILITE
LED SURFACE MOUNTED SINGLE-POINT EMERGENCY LIGHT, LITHIUM IRON PHOSPHATE BATTERY, NON - MAINTAINED. ALLOW FOR GRIPPLE SUSPENSION WHERE REQUIRED. "B" = BLACK TRIM	CLIFE-SMS	SFB1LEDP
NON -MAINTAINED RECESSED EMERGENCY LIGHTING UNIT, LITHIUM IRON PHOSPHATE BATTERY, NON - MAINTAINED, LED, "B" = BLACK TRIM	CLIFE LIFELIGHT	SF1LEDP
LED EMERGENCY EXIT SIGN WITH RUNNING MAN PICTOGRAPH - DIFFUSER STRAIGHT AHEAD, LITHIUM IRON PHOSPHATE BATTERY, NON - MAINTAINED, LED, SEE NOTE BELOW REGARDING FITTING TRIM COLOUR	CCFLED (DIRECTION SITE CONFIGURED)	POFLEDP (DIRECTION SITE CONFIGURED)
LED EMERGENCY EXIT SIGN WITH RUNNING MAN PICTOGRAPH - DIFFUSER AND DIRECTION ARROW, LITHIUM IRON PHOSPHATE BATTERY, NON - MAINTAINED, LED, SEE NOTE BELOW REGARDING FITTING TRIM COLOUR	CCFLED (DIRECTION SITE CONFIGURED)	POFLEDP (DIRECTION SITE CONFIGURED)
LED EMERGENCY EXIT SIGN WITH RUNNING MAN PICTOGRAPH - DIFFUSER AND DIRECTION ARROW LEFT AND RIGHT, LITHIUM IRON PHOSPHATE BATTERY, NON - MAINTAINED, LED, SEE NOTE BELOW REGARDING FITTING TRIM COLOUR DS = DOUBLE SIDED. INSTALL THE DIRECTION ARROW AS SHOWN ON BOTH SIDES.	CCFLED (DIRECTION SITE CONFIGURED)	POFLEDP (DIRECTION SITE CONFIGURED)
<p>NOTES</p> <p>- LIGHTS DESIGNATED WITH A "WP" ARE TO BE WEATHERPROOF TYPE SUITABLE FOR INSTALLATION IN COOLROOMS (MINIMUM OPERATING TEMPERATURE 0°C)</p> <p>- ALL EMERGENCY AND EXIT LIGHTS SHALL BE DUAL RATE CHARGE AND FITTED WITH A STICKER.</p> <p>- FITTING TRIM COLOUR TO CLOSELY MATCH CEILING COLOUR. I.E BLACK TRIM FOR DARK COLOURED CEILINGS, WHITE TRIM FOR LIGHTER COLOURED CEILINGS</p>		

LIGHTING LEGEND

DESCRIPTION	SUPPLIER	CATALOGUE No.
40W LED BATTEN WITH FROSTED DIFFUSER, 4000K	TREND	ZBB444
40W LED BATTEN, WEATHERPROOF, IMPACT RESISTANT, 4000K, IP65, SURFACE MOUNTED OR SUSPENDED,	TREND	WP1201
40W LED BATTEN, WEATHERPROOF, IMPACT RESISTANT, 4000K, COMPLETE WITH 2x 90 DEG. WALL MOUNTING BRACKETS SO DIFFUSER FACES DOWNWARDS	TREND	WP1201-WALL BRACKETS
42W LED RECESSED TROFFER, HIGH POWER, 4000K, WITH FROSTED DIFFUSER, PLASTER MOUNTED FLANGE PLATE, FLEX AND PLUG	TREND	ZDT443-W-PLB ADAPTOR FLANGE
15W RECESSED LED DOWNLIGHT, 3000K, OPAL DIFFUSER, WIDE BEAM, FLEX & PLUG, WHITE TRIM	TREND	XDS153-WB-W-OPAL
35W ADJUSTABLE LED DOWNLIGHT, 4000K, WIDE BEAM, FLEX & PLUG, WHITE TRIM	TREND	XDL354-WB-W
30W TRACK MOUNTED SPOTLIGHT, 3000K, MEDIUM BEAM, BLACK TRIM,	TREND	XT0303-MB-B
36W MONACO LED WALL WASHER, TRACK MOUNTED, 3000K, WIDE BEAM, BLACK TRIM	TREND	ZTM353-WB-B
4-WIRE LIGHTING TRACK, BLACK FINISH. SUPPLY COMPLETE WITH BLACK GRIPPLE # 1 'ANGEL' HANGER KIT & 240V WARNING LABELS	TREND	CONTACT SUPPLIER
LINEAR LED EXTRUSION WITH FROSTED OPAL DIFFUSER, 3000K, BLACK TRIM - SUSPENDED	TREND	ZDA123-xxxxmm
WEATHERPROOF LED SPOTLIGHT COMPRISING 3x 10W LED ADJUSTABLE 36DEG BEAM SPOTLIGHTS MOUNTED ON TRUSS PLATE TO SUIT EZYSTRUT N2L300 CABLE LADDER, COLOUR 3000DEG K. BLACK TRIM, BLACK PVC ENCLOSURE TO HOUSE CONTROL GEAR.	TREND	XDC3103-WB-B-TP-IP
WEATHERPROOF ADJUSTABLE 'PULL DOWN' 30W LED SPOTLIGHT MOUNTED ON TRUSS PLATE TO SUIT EZYSTRUT N2L300 CABLE LATTER, 35DEG BEAM ANGLE, COLOUR 3000DEG K. BLACK TRIM, BLACK PVC ENCLOSURE TO HOUSE CONTROL GEAR.	TREND	XRS263-WB-B-TP-IP
600mm LONG PELMET LIGHT, 4000K, BLACK FINISH, 300mm LONG BLACK FLEX & PLUG	TREND	XTW30S-B-DM-4K (600mm LENGTH)
1200mm LONG PELMET LIGHT, 4000K, BLACK FINISH, 300mm LONG BLACK FLEX & PLUG	TREND	XTW60L-B-DM-4K (1200mm LENGTH)
EZY-STRUT N2L300 BLACK SPECIAL LADDER SYSTEM FOR DAN MURPHY'S. SUPPLIED IN 6M LENGTHS. LADDER RUNGS ARE AT 335mm CENTRES	EZY-STRUT	
HEAVY DUTY IP44 FESTOON LIGHTS, BLACK CORD AND LAMP HOLDERS, 20 GLOBES / 20m LONG WITH 3-PIN PLUG. GLOBES TO BE 4W LED TEARDROP EDISON E27 TYPE, 2200K WARM WHITE GLOW.	MR FESTOON LIGHTS	https://www.mrfestoonlights.com.au/shop/festoon-commercial-20b/
LIGHTING SWITCH WIRE		
LIGHT SWITCH W = IP56 CHEMICAL RESISTANT WHITE	CLIPSAL	
LIGHT SWITCH - 2 WAY W = IP56 CHEMICAL RESISTANT WHITE	CLIPSAL	
MOTION SENSOR LIGHT SWITCH	CLIPSAL	751R OR 753R
PHOTO ELECTRIC CELL - MOUNT HIGH ON NORTHERN FACE OF BUILDING		
ENERGY MANAGEMENT SYSTEM CONTROL PANEL		
= DIRECTION OF ADJUSTABLE DOWNLIGHT FITTING	LIGHTING SUPPLIER CONTACTS: TREND TEL: (02) 9669 8888 SLS TEL: (02) 1300 302 852	
= LIGHT FITTING ON 24HR SECURITY LIGHTING CIRCUIT		

"TREND" SUPPLIER NOTE:

ALL LIGHT FITTINGS WITH THE SUPPLIER BY "TREND" WILL BE SUPPLIED BY DAN MURPHY'S. TAKE POSSESSION, ASSEMBLE AS REQUIRED AND INSTALL AS PART OF THE ELECTRICAL SUBCONTRACT WORKS.

POWER NOTES

- REFER TO ELECTRICAL SPECIFICATION FOR DESCRIPTION OF ELECTRICAL ACCESSORIES.
- PROVIDE SUITABLE PLUG TOPS TO SUIT SOCKETS INSTALLED ON SPECIFIC ITEMS OF EQUIPMENT WITH ADEQUATE FLEXIBLE CORDS WHERE REQUIRED.
- ALL DIMENSIONS ARE INDICATIVE ONLY. FINAL LOCATIONS AND LOAD RATINGS TO BE CO-ORDINATED WITH EQUIPMENT AND PROJECT MANAGERS.
- THE ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL RECESSED CONDUITS FROM THE CEILING SPACE TO PA VOLUME CONTROL OUTLETS AND CONDUITS FROM THE CEILING SPACE TO MICROPHONE OUTLETS.
- THE UPS DB SHALL BE MOUNTED ABOVE OR NEXT TO THE UPS.
- SUPPLY AND INSTALL A SUITABLE KEY LOCK ISOLATOR TO TERMINATE ROLLER DOOR SUPPLY CABLES - REFER TO DOOR SCHEDULE (MAY BE SUPPLIED AS SINGLE PHASE - ADJUST ACCORDINGLY).
- FOR ROLLER DOOR SAFETY, IN CASE OF MECHANICAL FAILURE OF MOTOR MOUNTING, ROLLER DOOR CONTROL STATIONS ARE NOT TO BE MOUNTED UNDER ROLLER DOOR MOTORS. CONTROL PANEL WALL MOUNTED AT 1450 AFL TO CENTER, BY OTHERS.
- ELECTRICAL CONTRACTOR IS TO LIAISE AND CONFIRM WITH DATA, PA & SECURITY CONTRACTORS FOR SPECIFIC POWER & CONDUIT REQUIREMENTS.
- BD OUTLETS ARE IP56 MOUNTED ABOVE BD CABINET AND HAVE FLAT EARTH SOCKETS. DVR AND PA EQUIPMENT ARE MOUNTED IN BD CABINET AND POWER REQUIREMENTS ARE FROM THE BD POWER RAIL. PLUGS TO BE IP56 CAPTIVE TYPE.
- ELECTRICAL CONTRACTOR IS TO INSTALL THE POWER OUTLET IN THE FLOOR SLAB. OUTLET IS TO BE FIXED TO BENCH 9 50mm BELOW UNDERSIDE OF BENCH TOP AND 50mm IN FROM EDGE.
- ALL COMPONENTS, INCLUDING FLEX, CABLE TIES, ROSES, OUTLETS, ETC WILL BE WHITE IN COLOUR. WHERE TRADING CEILING IS DARK IN COLOUR, ALL COMPONENTS SHALL BE BLACK IN COLOUR.
- PENDANT OUTLETS, FLEX AND STAINLESS STEEL DROPPER TO BE BLACK IN COLOUR. SUSPEND PENDANT BEHIND FLOOR FIXTURE OUT OF CUSTOMER VIEW. WHERE MULTIPLE PENDANT OUTLETS ARE REQUIRED AT THE SAME LOCATION USE ON DROPPER FOR ALL CABLES TO MINIMISE NUMBER OF DROPPERS FROM ROOF / CEILING.
- EXACT HEIGHT AND LOCATION OF CCTV POWER OUTLETS TO BE COORDINATED ON SITE WITH SECURITY CONTRACTOR.
- FREE TO AIR TV ANTENNA POINT TO BE CONNECTED TO EXTERNAL ANTENNA. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL ANTENNA & CABLEING AND UNDERTAKE ALL TESTING & COMMISSIONING.
- ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL AN INTERLOCK BETWEEN THE ROLLER SHUTTER AND SECURITY SYSTEM. ROLLER SHUTTER SHALL ONLY OPEN UPON VALID PIN ENTRY ON SECURITY KEYPAD.
- SUPPLY SOFTWARE OUTLETS WITH POWER CONNECTED VIA A PENDANT OUTLET. SOFTWAREKIT AVAILABLE FROM CABLEWAY COMPRISING A LEAD-IN CABLE (3-PIN PLUG ONE END, SOFTWARE CONNECTOR THE OTHER END), INTERCONNECTING LEAD AND DOUBLE GPOs TO SUIT OTHER END OUTLETS REQUIRED. ALL CABLES AND OUTLETS TO BE BLACK. SAFELY SECURE ALL CABLEING AND OUTLETS TO RACKS. REFER www.cableway.com.au, EQUIVALENT ACCEPTABLE.
- REFER TO SINGLE LINE DIAGRAM FOR CIRCUITS CONTROL AND PROTECTION.

LIGHTING NOTES

- DAN MURPHY'S TO SUPPLY ALL TRACK LIGHTS AND LINEAR LIGHTS.
- CONTRACTOR TO SUPPLY ALL EMERGENCY & EXIT LIGHTS.
- NO MORE THAN 25 LED LIGHTS TO BE ALLOCATED TO ANY ONE LIGHT CIRCUIT IN ORDER TO REDUCE NUISANCE TRIPPING DUE TO ACCUMULATED DRIVER EARTH LEAKAGE.
- ALL LIGHTING IS TO BE ON RCD PROTECTED CIRCUITS.
- ALL TRADING AREA LIGHTS TO BE ON EMS CONTROL. REFER TO SINGLE LINE DIAGRAM FOR GUIDANCE.
- Z1 etc = ENERGY MANAGEMENT SYSTEM (EMS) ZONE ALLOCATION AND CIRCUIT ORIGIN.
- TRACK LIGHTS & LINEAR FITTINGS SHALL BE SUSPENDED USING BLACK GRIPPLE #1 'ANGEL' WIRE HANGERS AT A MAXIMUM OF 1800mm SPACING.
- SUSPEND LIGHTING TRACKS AT 3500 AFFL.
- CONTRACTOR TO PLACE 240V WARNING LABELS ON LIGHTING TRACKS AT 5m SPACINGS ON BOTH SIDES OF THE TRACK. WHERE TRACKS ARE LESS THAN 5m IN LENGTH, PLACE ONE WARNING LABEL ON BOTH SIDES. LABELS TO BE PROVIDED BY LIGHTING SUPPLIERS.
- SUPPLY AN ADDITIONAL FIVE (5) x TS3 TRACK SPOTLIGHTS TO BE USED AS SPARES FOR LIGHTING COMMISSIONING PURPOSES.
- LIGHTING TRACKS WILL BE SUPPLIED IN 2 AND 3 METRE LENGTHS. THE ELECTRICAL CONTRACTOR IS TO THE CUT AND JOIN THESE LENGTHS AS REQUIRED.
- WHERE POSSIBLE MOUNT STOCKROOM AND LOADING DOCK LIGHTS AT 4500AFFL TO UNDERSIDE OF FITTING AND UNDERNEATH SERVICES PIPEWORK AND CABLE LADDERS.
- LOADING DOCK WORK STATION LIGHT IS FED FROM LOADING DOCK CIRCUIT.
- ALL EXTERNAL LIGHT FITTINGS SHALL BE SWITCHED BY A PE CELL.
- FOR AREAS WHERE A MOVEMENT SENSOR IS SHOWN THEY ARE TO BE SWITCHED BY THE MOVEMENT SENSOR AND WALL SWITCH AS PER DETAIL BELOW. MOVEMENT SENSOR TO BE PLACED AT LEAST 2m AWAY FROM DOOR TO AVOID NUISANCE SWITCHING.
- EMERGENCY LIGHTING AND EXIT SIGN DESIGN AND INSTALLATION TO COMPLY WITH AS/NZS 2293.1-2018. EMERGENCY LIGHTS AND EXIT SIGNS SHALL NOT BE OBSTRUCTED BY OTHER SERVICES.
- ALL DOWNLIGHTS, EMERGENCY FITTINGS, CEILING ROSES, FLEX/PENDANTS, PA ITEMS AND SECURITY ITEMS ARE TO HAVE BLACK TRIM ON BLACK CEILING AND WHITE TRIM ON WHITE CEILING.
- ALL CABLEING ABOVE TRACKS TO BE BLACK WITH BLACK CABLE TIES.
- COOLROOM EZYSTRUT LADDER SYSTEM TO BE 2700 AFFL TO UNDERSIDE. EZYSTRUT LADDER RUNGS ARE AT 335 CENTRES. EZYSTRUT LADDER TO BE INSTALLED USING BOOKER ROD HANGERS. THE LADDER LAYOUT IS INDICATIVE AND CAN BE ALTERED TO EASE INSTALLATION OF CABLE RUNS. PROPRIETARY BENDS AND TEE SECTIONS SHALL NOT BE USED. JOINS AT TEE SECTIONS SHALL BE FIXED WITH GALVANISED ANGLE BRACKETS PAINTED BLACK. (UNISTRUT OR SIMILAR)

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