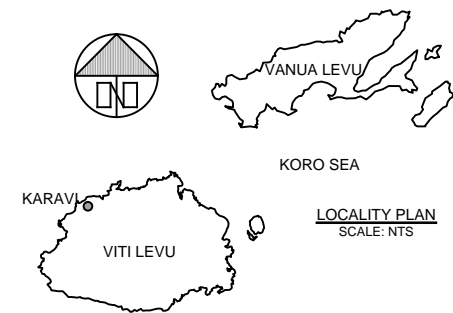


7835 ELECTRICAL SERVICES SCHEDULE OF DRAWING'S		
DWG#:	SHEET TITLE	SCALE
E01	SCHEDULE OF DRAWINGS, LEGEND, GENERAL NOTES, ABBREVIATIONS & LOCALITY PLAN	NTS
E02	ELECTRICAL DETAILS & SCHEDULE OF LUMINAIRES	NTS
E03	PROPOSED SITE PLAN LIGHTING & POWER RETICULATION LAYOUTS	1 : 250 @ A3
E04	PROPOSED FLOOR PLAN LIGHTING LAYOUTS	1 : 100 @ A3
E05	PROPOSED FLOOR PLAN POWER LAYOUTS	1 : 100 @ A3
E06	SECURITY BOOTH / WAITING BURE / GENERATOR ROOM / SIDE ELEVATION LIGHTING & POWER LAYOUTS	AS SHOWN
E07	MAIN SINGLE LINE DIAGRAM & SCHEDULE OF CABLING	NTS
E08	PROPOSED SINGLE LINE DIAGRAM	NTS



LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	MAIN SWITCHBOARD		LIGHTNING PROTECTION GROUND ROD LOCATION
	DISTRIBUTION BOARD		CIRCUIT BREAKER - RESIDUAL CURRENT DEVICE (RCD) TYPE - BREAKERS SHALL BE SINGLE POLE. SCHNEIDER ELECTRIC OR APPROVED EQUIVALENT
	ONE WAY LIGHT SWITCH PDL 600 SERIES 681 OR APPROVED EQUIVALENT		CIRCUIT BREAKER SCHNEIDER ELECTRIC OR APPROVED EQUIVALENT
	FAN SPEED CONTROLS SWITCH PDL 625F OR APPROVED EQUIVALENT		MAIN SWITCH / ISOLATOR SCHNEIDER ELECTRIC OR APPROVED EQUIVALENT
	TWO WAY LIGHT SWITCH PDL 600 SERIES 681 OR APPROVED EQUIVALENT		SINGLE PHASE
	INTERMEDIATE LIGHT SWITCH PDL 600 SERIES 681 OR APPROVED EQUIVALENT		THREE PHASE
	WEATHERPROOF ONE WAY LIGHT SWITCH PDL WP SERIES WSW201 OR APPROVED EQUIVALENT		POWER POLE
	WEATHERPROOF TWO WAY LIGHT SWITCH PDL WP SERIES WSW201 OR APPROVED EQUIVALENT		POWER FACTOR CORRECTION UNIT
	CEILING PIR OCCUPANCY SENSOR LEGRAND 48804 OR APPROVED EQUIVALENT		F.E.A. KILOWATT HOUR METER(S).
	IP66 SUNSET SWITCH PDL (56SS10WE) OR APPROVED EQUIVALENT		AMMETER
	LIGHTING SUB-CIRCUIT SWITCHED AT LIGHTING CONTROL PANEL NUMBER DENOTES LCP NUMBER		VOLTMETER
	SINGLE SWITCHED 10 AMP SOCKET OUTLET PDL 694 OR APPROVED EQUIVALENT		CURRENT TRANSFORMER
	DITTO MOUNTED ABOVE BENCH		F.E.A CUT-OUT FUSE
	DOUBLE SWITCHED 10 AMP SOCKET OUTLET PDL 695 OR APPROVED EQUIVALENT		AUTOMATIC TRANSFER SWITCH WITH MECHANICAL AND ELECTRICAL INTERLOCKS
	DITTO MOUNTED ABOVE BENCH		900MM DIAMETER THREE BLADES CEILING FAN HPM MODEL NO. CF9HWE + FAN CONTROLLERS + L DENOTE LIGHT OR APPROVED EQUIVALENT
	DOUBLE SOCKET OUTLET FLOOR CLIPSAL FFBCA2PTD OR APPROVED EQUIVALENT		DROPPER ROUND SERVICES COLUMN WITH 3 SEPARATED COMPARTMENT MODULINE RSC70 OR APPROVED EQUIPMENT
	FULL SHADED SOCKET OUTLET COMPLETE WITH RED COVER PLATE RUNS ON UPS LINE	TELECOMMUNICATIONS SERVICES	
	SHAVER SUPPLY SOCKET OUTLET APPROVED EQUIVALENT		TELEPHONE MAIN DISTRIBUTION FRAME / BUILDING DISTRIBUTOR
	SINGLE SWITCHED 15 AMP SOCKET OUTLET PDL 691 OR APPROVED EQUIVALENT		FLOOR DISTRIBUTOR
	THREE PHASE, 415V SWITCHED SOCKET OUTLET PDL 56 SERIES OR APPROVED EQUIVALENT - REFER DWG FOR RATING		SINGLE TELECOMMUNICATIONS OUTLET - WALL MOUNTED.
	WEATHER-PROOF IP66 ISOLATOR PDL WR340M OR APPROVED EQUIVALENT - REFER DWG FOR RATING		DOUBLE TELECOMMUNICATIONS OUTLET - WALL MOUNTED.
	WALL MOUNT FAN - DETROIT - 750MM INDUSTRIAL WALL FAN MODEL NO. DFB75 + FAN CONTROLLERS OR APPROVED EQUIVALENT		
	METAL SKIRTING DUCT WITH TWO SEPARATED COMPARTMENTS MODULINE HM35125 OR APPROVED EQUIVALENT		
	DYSON AIRBLADE MK2/V HAND DRYER OR APPROVED EQUIVALENT		
	2 x 100/150mm DIAMETER CONDUITS INSTALLED IN WALL CEILING SPACE AND BACK OF SERVICES DUCT		
	TIMER SWITCH FOR LIGHTS PDL 56TC7DB OR APPROVED EQUIVALENT		
	TOP VALUE DENOTES NUMBER OF HEAVY CONDUIT		
	BOTTOM VALUE DENOTES SIZE OF DIAMETER OF HEAVY DUTY CONDUIT		

**GENERAL NOTES:**

- DRAWINGS E01 TO E08 SHALL BE READ IN CONJUNCTION WITH THE ELECTRICAL SPECIFICATION
- IT SHALL BE THE RESPONSIBILITY OF THE FIRM OR PERSONS SUBMITTING THE TENDER TO VISIT THE SITE WITH THE OBJECT OF OBTAINING A FULL UNDERSTANDING OF THE REQUIREMENTS OF WORK INVOLVED IN THIS PROJECT
- CONFIRM EXACT LOCATION OF ALL DOORS AND DOOR SWINGS WITH THE ARCHITECT PRIOR TO LIGHT SWITCH AND WIRING INSTALLATION.
- UNLESS STATED OTHERWISE ALL LIGHT SWITCHES TO BE MOUNTED AT 1300 AFFL AND SOCKET-OUTLETS TO BE MOUNTED AT 300 AFFL.
- ALL CONDUITS SHALL BE INSTALLED COMPLETE WITH PLASTIC COATED DRAW WIRES.
- WHERE EMERGENCY LIGHTING INVERTER KITS ARE UNABLE TO BE INSTALLED WITHIN THE LUMINAIRE THEY SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION AS AGREED WITH ARCHITECT.
- ALL CABLES SHALL BE RUN SO DE-RATING FACTORS DO NOT OCCUR. HOWEVER IF THIS IS IMPRACTICAL PROVIDE NOTIFICATION IN WRITING AND UPGRADE CABLE SIZES ACCORDINGLY.
- ANY PENETRATION LESS THAN Ø80mm DIAMETER SHALL BE THE ELECTRICAL SUB-CONTRACTOR'S RESPONSIBILITY. PROVIDE ALL NECESSARY PENETRATIONS THROUGH CONCRETE, BRICKWORK AND BUILDING FINISHES TO ACCOMMODATE PIPEWORK. PENETRATIONS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. PENETRATIONS REQUIRED THROUGH CONSTRUCTED MATERIALS AND PRECAST SLABS SHALL BE CORE DRILLED. ALL PENETRATIONS ARE TO BE SEALED IN AN APPROVED MANNER.
- THE ELECTRICAL SUB-CONTRACTOR SHALL SUPPLY AND INSTALL HILTI CP611A O APPROVED EQUIVALENT INTUMESCENT FIRESTOP MASTIC FOR ALL PENETRATIONS (INCLUDING SLEEVES) THROUGH WALLS, CEILING SLABS, BEAMS ETC. FOR ALL CABLING.

**GENERAL NOTES CONTINUED:**

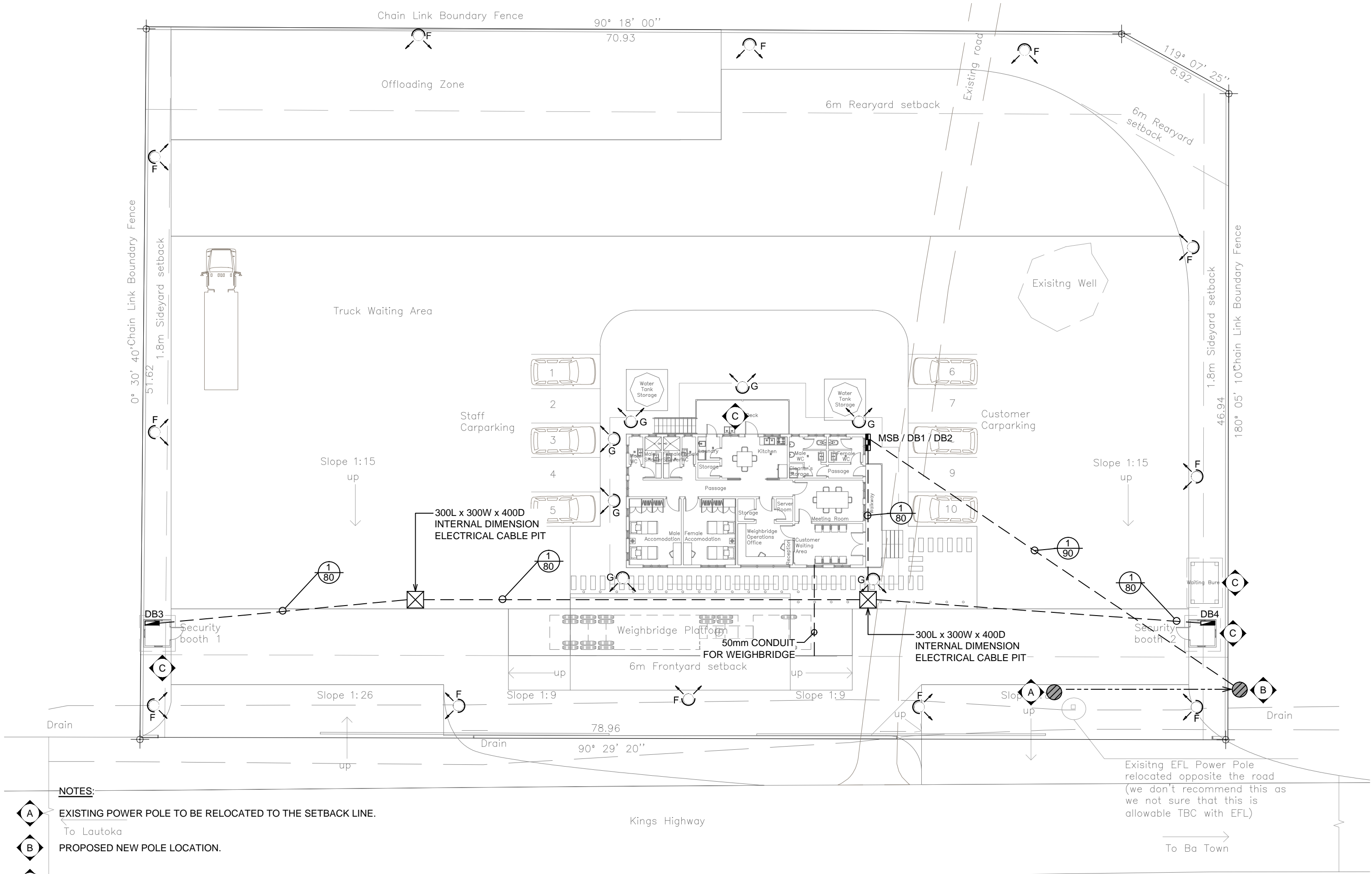
**ABBREVIATIONS:**

	CIRCLE WITHIN DIAMOND ENCLOSED LETTER INDICATES SPECIFIC NOTE REFERENCE ON SAME SHEET	AB	ABOVE BENCH
	TRIANGLE WITH A NUMBER INSIDE INDICATES DRAWING REVISION	ACU	AIRCON COOLING UNIT
	D# : INDICATES THE DETAIL NUMBER. E## : INDICATES THE ELECTRICAL DRAWING SHEET NUMBER.	BD	BUILDING DISTRIBUTOR
	NUMBER INDICATES MOUNTING HEIGHT IN MILLIMETERS ABOVE FINISHED FLOOR LEVEL	DB	DISTRIBUTION BOARD
		DH	DEHUMIDIFIER
		EF	EXHAUST FAN
		F	FLOOR RECESSED GPO
		FC	FAN CONTROLLER
		FCU	FAN COIL UNIT
		FIU	FIRE INDICATING UNIT
		HD	HAND DRYER
		LSP	LIGHT SWITCHING PANEL
		MB	METER BOARD
		MDB	MAIN DISTRIBUTION BOARD
		MDF	MAIN DISTRIBUTION FRAME
		MIC	MOUNTED IN CEILING
		MP	MOTOR PROJECTOR
		MS	MONITOR SCREEN
		MSB	MAIN SWITCH BOARD
		NTS	NOT TO SCALE
		ODU	OUT DOOR UNIT
		PJ	HIGH LEVEL PROJECTOR
		PP	PATCH PANEL
		SH	SHAVER
		SW	SWITCH NUMBER
		TBA	TO BE ADVISED
		TBC	TO BE CONFIRMED
		WP	WEATHERPROOF IP65



**GOOGLE EARTH - LOCALITY PLAN NTS**

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							JOB No: 7835 DWG No: E01 REVISION No: -		



**NOTES:**

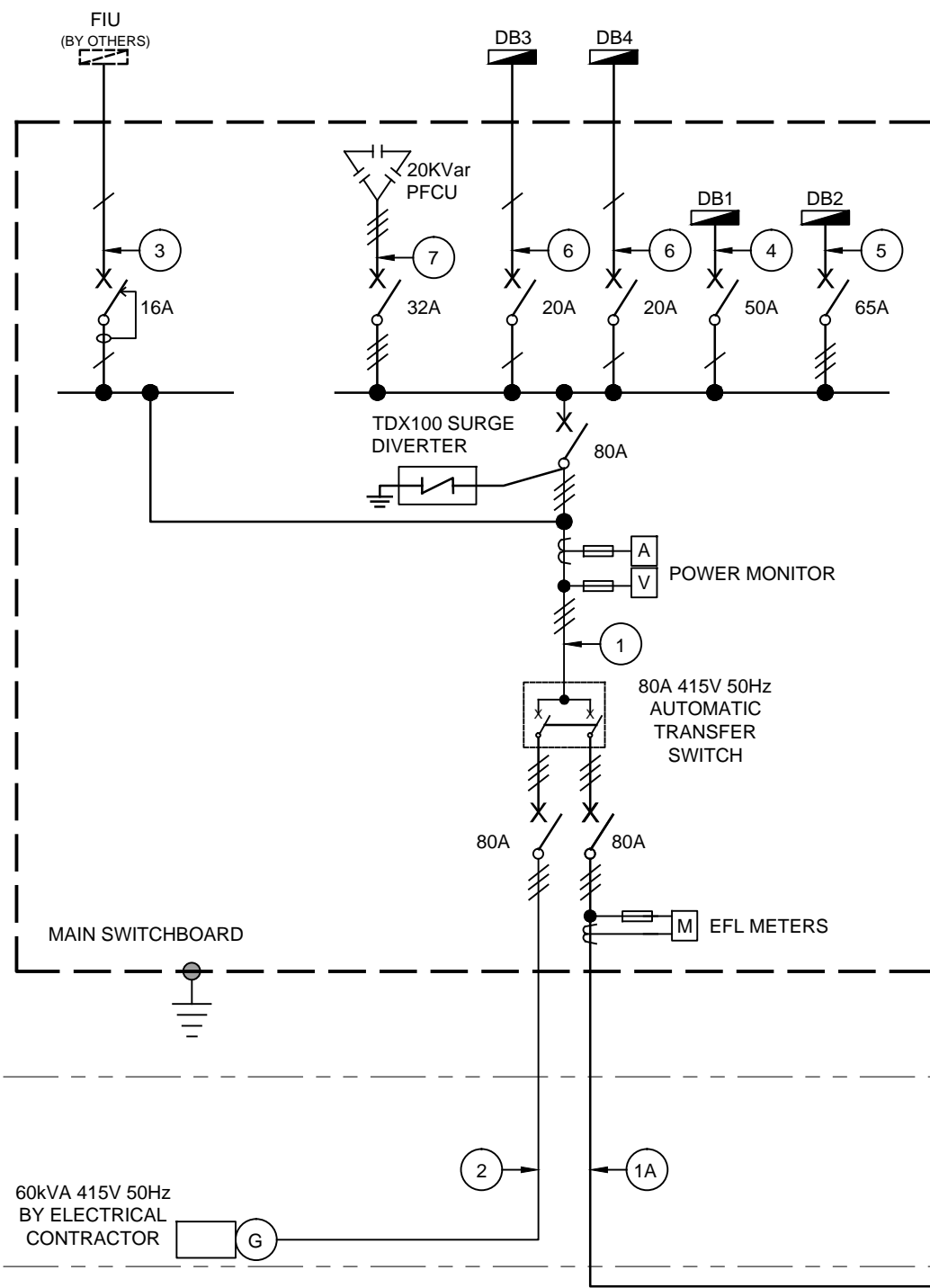
- (A)** EXISTING POWER POLE TO BE RELOCATED TO THE SETBACK LINE.  
To Lautoka
- (B)** PROPOSED NEW POLE LOCATION.  
To Ba Town
- (C)** REFER TO ELECTRICAL DRAWING NUMBER E06 FOR FURTHER DETAILS.

Existing EFL Power Pole relocated opposite the road (we don't recommend this as we not sure that this is allowable TBC with EFL)

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	1 24 / 05 / 2019 FOR TENDER IAP No: DATE DESCRIPTION BY:								



ROOF LEVEL  
0.00m



SCHEDULE OF CABLING			
REF. No	DESCRIPTION	CABLING SIZE & TYPE	METHOD OF INSTALLATION
1A	CONSUMER MAINS CABLING	4 x 25mm <sup>2</sup> XLPE/PVC + E	CONDUITS LAID UNDERGROUND & CABLE LADDER
1	MSB SUBMAINS CABLING	4 x 25mm <sup>2</sup> XLPE/PVC + E	WITHIN MAIN SWITCH-BOARD
2	GENERATOR MAINS CABLING	4 x 25mm <sup>2</sup> XLPE/PVC + E	CONDUITS LAID UNDERGROUND & CABLE LADDER
3	FIRE INDICATING UNIT SUB-MAINS CABLING	2 x 2.5mm <sup>2</sup> ALSECURE + E	CONDUITS LAID UNDERGROUND & CABLE LADDER
4	DB1 SUB-MAINS CABLING	2 x 10mm <sup>2</sup> XLPE/PVC + E	CABLE LADDER - REFER TO NOTE 1
5	DB2 SUB-MAINS CABLING	4 x 25mm <sup>2</sup> XLPE/PVC + E	CABLE LADDER - REFER TO NOTE 1
6	DB2 & DB3 SUB-MAINS CABLING	2 x 4mm <sup>2</sup> PVC/PVC + E	CONDUITS LAID UNDERGROUND & CABLE LADDER
7	POWER FACTOR CORRECTION UNIT SUB-MAINS CABLING	4 x 10mm <sup>2</sup> XLPE/PVC + E	WITHIN MAIN SWITCH-BOARD

**NOTES**

1. ALL SINGLE CORE CABLING ON CABLE LADDERS TO BE SPACED APART TO COMPLY WITH ITEM 2 OF TABLE 3(1), AS/NZS 3008.1.1:2009. THE CABLE LADDERS ARE TO BE SIZED TO ALLOW FOR THIS REQUIREMENT.

GROUND LEVEL  
0.00m

BASEMENT LEVEL  
0.00m

PROPOSED MAIN ELECTRICAL SINGLE LINE DIAGRAM

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							No: <b>1</b> DATE: <b>24 / 05 / 2019</b> DESCRIPTION: <b>FOR TENDER</b> BY: <b>IAP</b>					