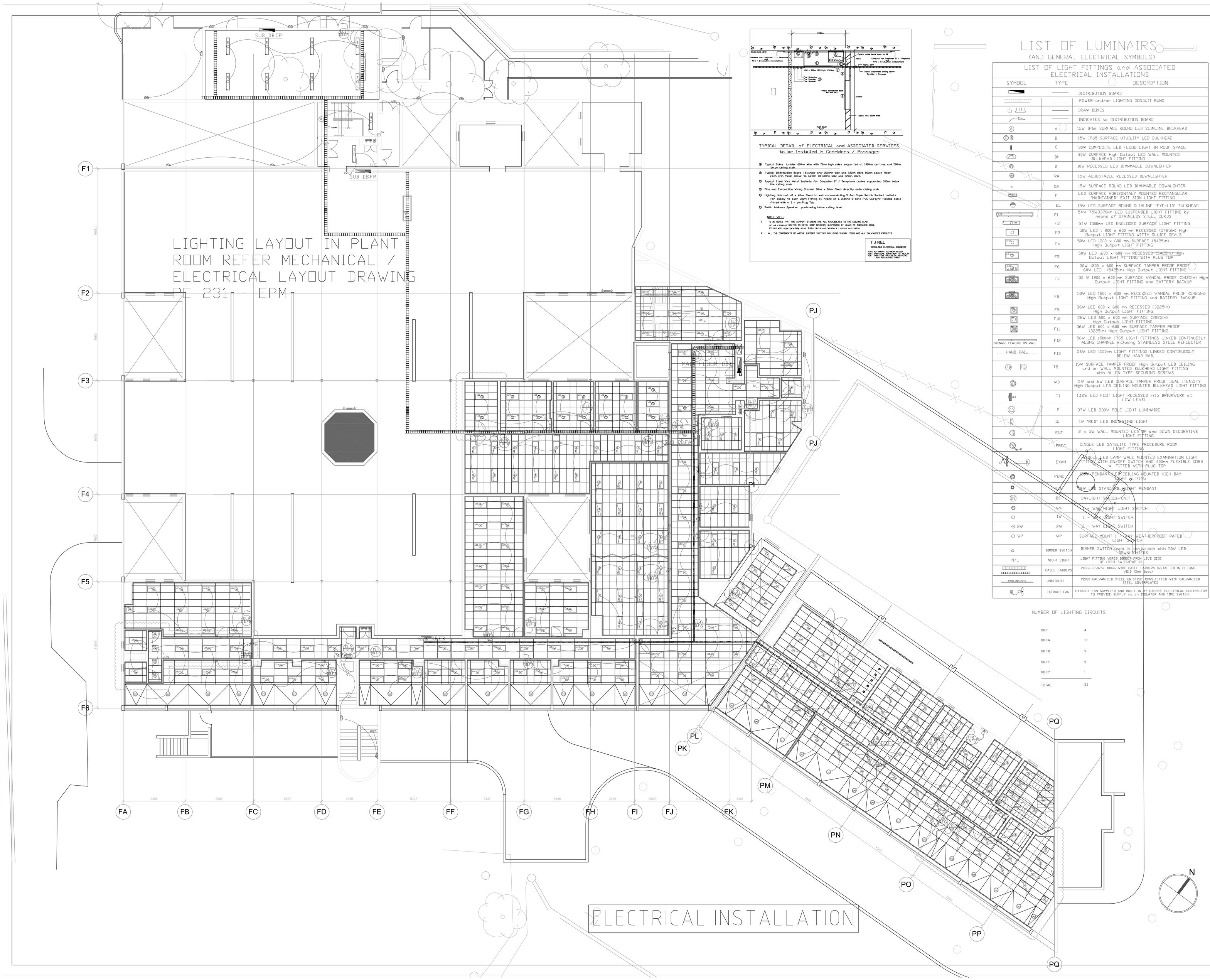

TYPICAL DETAIL of ELECTRICAL and ASSOCIATED SERVICES to be Installed in Corridors / Passages

1. Typical Cable Ladder 600mm wide with 76mm high sides supported at 1400mm centres and 500mm below ceiling slab.
2. Typical Distribution Board - Example only 2000mm wide and 820mm deep 800mm above floor each with Panel above to match DB 600mm wide and 220mm deep.
3. Typical Steel Wire Metal Baskets for Computer IT / Telephone cables supported 300mm below the ceiling slab.
4. Fire and Evacuation Wiring Channel 80mm x 80mm fixed directly onto ceiling slab
5. Lighting Unistrut 40 x 40mm fixed to wall accommodating 5 Amp 3-pin Switch Socket outlets for supply to each light fitting by means of a 2.5mm2 3-core PVC Sabtyre flexible cable fitted with a 3 - pin Plug Top
6. Public Address Speaker protruding below ceiling level

NOTE WELL

1. TO BE NOTED THAT THE SUPPORT SYSTEMS ARE ALL RAWLBOLTED TO THE CEILING SLAB or as required BOLTED TO METAL ROOF MEMBERS, SUSPENDED BY MEANS OF THREADED RODS. Fitted with appropriately sized Bolts, Nuts and Washers - above and below.
2. ALL THE COMPONENTS OF ABOVE SUPPORT SYSTEMS INCLUDING SUNDRY ITEMS ARE ALL GALVANISED PRODUCTS

T J NEL
CONSULTING ELECTRICAL ENGINEERS
TJNEL ON BEHALF SOUTHERN REGION
PORT SHEPSTONE DEPARTMENT OF HEALTH
PORT SHEPSTONE PROVINCIAL HOSPITAL
NEW PSYCHIATRIC WARD

LIST OF LUMINAIRS

(AND GENERAL ELECTRICAL SYMBOLS)

LIST OF LIGHT FITTINGS and ASSOCIATED ELECTRICAL INSTALLATIONS

SYMBOL	TYPE	DESCRIPTION
		DISTRIBUTION BOARD
		POWER and/or LIGHTING CONDUIT RUNS
		DRAW BOXES
		INDICATES to DISTRIBUTION BOARD
A	A	15W IP66 SURFACE ROUND LED SLIMLINE BULKHEAD
B	B	15W IP65 SURFACE UTUILITY LED BULKHEAD
	C	30W COMPOSITE LED FLOOD LIGHT IN ROOF SPACE
	BH	30W SURFACE High Output LED WALL MOUNTED BULKHEAD LIGHT FITTING
D	D	10W RECESSED LED DIMMMABLE DOWNLIGHTER
RA	RA	15W ADJUSTABLE RECESSED DOWNLIGHTER
D2	D2	15W SURFACE ROUND LED DIMMMABLE DOWNLIGHTER
E	E	LED SURFACE HORIZONTALY MOUNTED RECTANGULAR "MAINTAINED" EXIT SIGN LIGHT FITTING
EL	EL	15W LED SURFACE ROUND SLIMLINE "EYE-LID" BULKHEAD
F1	F1	54W 75W3370mm LED SUSPENDED LIGHT FITTING by means of STAINLESS STEEL CORDS
F2	F2	54W 1500mm LED ENCLOSED SURFACE LIGHT FITTING
F3	F3	50W LED 1 200 x 600 mm RECESSED (5425lm) High Output LIGHT FITTING WITTH SLUICE SEALS
F4	F4	50W LED 1200 x 600 mm SURFACE (5425lm) High Output LIGHT FITTING
F5	F5	50W LED 1200 x 600 mm RECESSED (5425lm) High Output LIGHT FITTING WITH PLUG TOP
F6	F6	50W 1200 x 600 mm SURFACE TAMPER PROOF PROOF 60W LED (5425lm) High Output LIGHT FITTING
F7	F7	50 W 1200 x 600 mm SURFACE VANDAL PROOF (5425lm) High Output LIGHT FITTING and BATTERY BACKUP
F8	F8	50W LED 1200 x 600 mm RECESSED VANDAL PROOF (5425lm) High Output LIGHT FITTING and BATTERY BACKUP
F9	F9	36W LED 600 x 600 mm RECESSED (3225lm) High Output LIGHT FITTING
F10	F10	36W LED 600 x 600 mm SURFACE (3225lm) High Output LIGHT FITTING
F11	F11	36W LED 600 x 600 mm SURFACE TAMPER PROOF (3225lm) High Output LIGHT FITTING
SIGNAGE FEATURE ON WALL	F12	56W LED 1500mm IP65 LIGHT FITTINGS LINKED CONTINUOSLY ALONG CHANNEL including STAINLESS STEEL REFLECTOR
HAND RAIL	F13	56W LED 1500mm LIGHT FITTINGS LINKED CONTINUOSLY BELOW HAND RAIL
TB	TB	15W SURFACE TAMPER PROOF High Output LED CEILING and or WALL MOUNTED BULKHEAD LIGHT FITTING with ALLEN TYPE SECURING SCREWS
WD	WD	11W and 6W LED SURFACE TAMPER PROOF DUAL ITENSITY High Output LED CEILING MOUNTED BULKHEAD LIGHT FITTING
FT	FT	1,12W LED FOOT LIGHT RECESSED into BRICKWORK at LOW LEVEL
P	P	37W LED 230V POLE LIGHT LUMINAIRE
IL	IL	1W "RED" LED INDICATING LIGHT
ENT	ENT	2 x 5W WALL MOUNTED LED UP and DOWN DECORATIVE LIGHT FITTING
PROC	PROC	SINGLE LED SATELITE TYPE PROCEDURE ROOM LIGHT FITTING
EXAM	EXAM	SINGLE LED LAMP WALL MOUNTED EXAMINATION LIGHT FITTING WITH ON/OFF SWITCH AND 400mm FLEXIBLE CORD FITTED WITH PLUG TOP
PEND	PEND	18W PENDANT LED CEILING MOUNTED HIGH BAY LIGHT FITTING
		18W LED STANDARD LIGHT PENDANT
DS	DS	DAYLIGHT SWITCH UNIT
N/L	N/L	1 - WAY NIGHT LIGHT SWITCH
1W	1W	1 - WAY LIGHT SWITCH
2W	2W	2 - WAY LIGHT SWITCH
WP	WP	SURFACE MOUNT 1 - WAY WEATHERPROOF RATED LIGHT SWITCH
	DIMMER SWITCH	DIMMER SWITCH used in conjuction with 50W LED DOWNLIGHTERS
N/L	NIGHT LIGHT	LIGHT FITTING WIRED DIRECT FROM LIVE SIDE OF LIGHT SWITCH or DB
CABLE LADDERS	CABLE LADDERS	200mm and/or 100mm WIDE CABLE LADDERS INSTALLED IN CEILING VOID (See Spec)
PAINT UNISTRUTS	UNISTRUTS	P2000 GALVANISED STEEL UNISTRUT RUNS FITTED WITH GALVANISED STEEL COVERPLATES
	EXTRACT FAN	EXTRACT FAN SUPPLIED AND BUILT IN BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE SUPPLY via an ISOLATOR AND TIME SWITCH

NUMBER OF LIGHTING CIRCUITS

DBF	4
DBFA	10
DBFB	9
DBFC	9
DBCP	1
TOTAL	33

NOTE: THE ELECTRICAL and ASSOCIATED INSTALLATION CHANGES on DRAWINGS have TAKEN INTO ACCOUNT ALL THE ABOVE ADDITIONS and ALTERATIONS AS PER THE RECORDED CHANGES as INDICATED ABOVE

HEALTH DEPARTMENT SIGNATURES

FACULTY STAMP

FACULTY MANAGER

INFRASTRUCTURE MANAGER

GENERAL MANAGER

CHECKED BY PROFESSIONAL CONSULTANT

Name: Tilman Nel

TJNel — Signature

30 September 2023 — Date

CONSULTING ENGINEERS

T J NEL

CONSULTING ELECTRICAL ENGINEERS

P O BOX 169

PORT EDWARD

4295

CELL: 083 - 2659623

public works

Department:
Public Works
PROVINCE OF KWAZULU-NATAL

SOUTHERN REGION

Project

WIMS NO: 044044 SOUTHERN REGION
PORT SHEPSTONE DEPARTMENT OF HEALTH
PORT SHEPSTONE PROVINCIAL HOSPITAL
NEW PSYCHIATRIC WARD

Drawing Description

FIRST FLOOR LIGHTING LAYOUT DRAWING

Drawn: TJN — Date: 12 November 2023

Scale/s: 5000mm — Revision: Up to A16

Consultant Drawing number

SL 231 - EL7

DOPW Drawing number

Stamped by Plans Approval Committee