



**ELECTRICAL NOTES**

ALL LUMINAIRES ARE TO COMPLY WITH PERFORMANCE REQUIREMENTS OF ALL RELEVANT AUTHORITIES AND BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

NOTE: HELIPAD LIGHTING IS DIFFERENT TO 6.6A SIT LIGHTING FOR AIRFIELDS.

TLOF (TOUCH DOWN AND LIFT OFF AREA) LIGHTING TO BE OMNIDIRECTIONAL SHOWING GREEN. LUMINAIRES TO BE RECESSED IN GROUND WITH MINIMAL PROTRUSION. SIMILAR THORN IN-OMH OR APPROVED EQUAL. AVAILABLE FROM THORN AIRFIELD LIGHTING PTY LTD. 2/7-9 NEWCASTLE ROAD, BAYSWATER VICTORIA 3153. PHONE 03 9720 3233 (Meryl Elismore) OR WWW.SAFEGATE.COM. 240 VOLT 50 HZ SUPPLY TO LUMINAIRE. ENERGISED FROM TWO DEDICATED CIRCUIT BREAKERS ON ESSENTIAL SECTION OF DISTRIBUTION BOARD FOR ACCIDENT AND EMERGENCY AREA. SWITCHED (WITH GREEN INDICATOR LAMP) AT NURSES STATION FOR ACCIDENT AND EMERGENCY AREA. SWITCH TO BE LABELLED "HELIPAD TLOF LIGHTING - CIRCLE OF GREEN LIGHTS".

FATO (FINAL APPROACH AND TAKE OFF) LIGHTING TO BE OMNIDIRECTIONAL SHOWING WHITE. LUMINAIRES SIMILAR TO TLOF LIGHTING. DIFFERENT CIRCUIT BREAKERS AND SWITCH TO TLOF. ENERGISED FROM OWN DEDICATED CIRCUIT BREAKERS ON ESSENTIAL SECTION OF DISTRIBUTION BOARD FOR ACCIDENT AND EMERGENCY AREA. SWITCHED (WITH WHITE INDICATOR LAMP) AT NURSES STATION FOR ACCIDENT AND EMERGENCY AREA. SWITCH TO BE LABELLED "HELIPAD FATO LIGHTING - CIRCLE OF WHITE LIGHTS".

ILLUMINATED WIND DIRECTION INDICATOR (WINDSOCK) - EXISTING UNIT ON SOUTHERN SIDE OF HOSPITAL BUILDING TO BE RELOCATED. LOCATION OF IWDI TO BE DETERMINED ON SITE IN CONSULTATION WITH SUPERINTENDENT'S REPRESENTATIVE. ENERGISED FROM OWN DEDICATED CIRCUIT BREAKER ON ESSENTIAL SECTION OF NEAREST DISTRIBUTION BOARD TO IWDI. FOUNDATION FOR IWDI TO BE CERTIFIED BY RPEQ AND THEN SUBMITTED TO SR FOR APPROVAL. IWDI ILLUMINATION TO BE SWITCHED FROM NURSES STATION IN EMERGENCY DEPARTMENT. SWITCH TO BE LABELLED "HELIPAD WINDSOCK LIGHTING" WITH WHITE INDICATOR LAMP.

**ELECTRICAL NOTES (continued)**

FLOOD LIGHTING: THREE FLOODLIGHTS TO BE MOUNTED ON DIALYSIS UNIT BUILDING AND TWO FLOODLIGHTS TO BE MOUNTED ON AGED CARE BUILDING. FLOODLIGHTS TO BE ENERGISED FROM THE RELEVANT LOCAL SWITCHBOARD, BUT BE SWITCHED BY CONTACTORS. THE CONTACTOR COILS TO BE ENERGISED FROM A CIRCUIT BREAKER IN THE ESSENTIAL SECTION OF THE DISTRIBUTION BOARD FOR THE EMERGENCY DEPARTMENT, SWITCHED AT THE NURSES STATION IN THE EMERGENCY DEPARTMENT WITH A WHITE INDICATOR LIGHT, LABELLED "HELIPAD FLOODLIGHTING". LABEL AT CONTACTORS- "WARNING - TWO SOURCES OF SUPPLY. CONTACTOR ENERGISED FROM EMERGENCY DEPARTMENT".

DUE TO CABLE RUN LENGTHS, ALL NEW LIGHTING CIRCUITS TO BE:  
 - MINIMUM 2.5 mm<sup>2</sup> CABLES  
 - MAXIMUM 16 AMP CIRCUIT BREAKER, COMBINED 30mA RCD

WINDSOCK LIGHTING CABLE SIZING IS DEPENDENT ON FINAL LOCATION AND MAY NEED TO BE MINIMUM 4 mm<sup>2</sup>.

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 CONTRACTOR TO ARRANGE WITH SUPPLY AUTHORITY FOR YELLOW MARKER BALLS AND FLAGS TO BE FITTED TO AERIAL CABLE SPANS IN HOPE STREET ON ALIGNMENT WITH DESIGNATED APPROACH PATH (AND ALTERNATIVE TAKE-OFF PATH)  
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**ELECTRICAL LEGEND**

- 14 QUANTITY TLOF (GREEN) LIGHTS - INNER CIRCLE ON HELIPAD
- 14 QUANTITY FATO (WHITE) LIGHTS - OUTER CIRCLE ON HELIPAD REFER NOTES THIS DRAWING
- ⊗ 70 WATT METAL HALIDE FLOODLIGHT MOUNTED UNDER EAVE OR BRACKETED OFF BARGE BOARD OF BUILDING. PIERLITE MINI MARINE OR APPROVED EQUAL.
- ⊙ 26 WATT COMPACT FLUORESCENT BOLLARD MOUNTED ON 700 SQUARE CONCRETE PAD FOOTING. ROUND PROFILE, 785 HIGH, DOME TOP, CLEAR DIFFUSER, ANTI GLARE LOUVRE., ELECTRONIC CONTROL GEAR. LIGHMAN BRAND, TAURUS 1 MODEL, LIG 10132-1-CE OR APPROVED EQUAL.

**AMENDMENTS**

ISSUE	DATE	SUBJECT	AUTHORISED
*	12.10.11	TENDER ISSUE	

**DRAWING INDEX SYSTEM**  
FOR PROJECT SERVICES - LOGISTICS USE ONLY

<input type="checkbox"/> AUDIO VISUAL SYSTEMS	<input type="checkbox"/> MASTER ANTENNA TELEVISION
<input type="checkbox"/> COMMUNICATIONS	<input type="checkbox"/> NOTES
<input type="checkbox"/> ELECTRONIC SECURITY	<input type="checkbox"/> OTHER
<input type="checkbox"/> FIRE DETECTION / EWS	<input type="checkbox"/> POWER-OUTLETS/CONNECTIONS
<input type="checkbox"/> GENERATING SETS	<input type="checkbox"/> SITE PLAN
<input type="checkbox"/> LEGEND	<input type="checkbox"/> STANDARDS
<input type="checkbox"/> LIFTS	<input type="checkbox"/> SWITCHBOARDS/CONTROL PANELS
<input type="checkbox"/> LIGHTING/EMERGENCY LIGHTING	<input type="checkbox"/> UNINTERRUPTIBLE POWER SUPPLY
<input type="checkbox"/> LIGHTNING PROTECTION	



CONSULTANT  
**Project Services**  
 Department of Public Works  
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JT BIRD	SEPT 2011
DRAWN	DATE
J.T.BIRD	12/10/2011
DISCIPLINE TEAM LEADER	DATE
A.RUSSELL	12/10/2011
AUTHORISED FOR ISSUE	DATE

**COOKTOWN HOSPITAL**

HELIPAD UPGRADE

ELECTRICAL SERVICES

SCALE	1:200	AT	A1 SIZE
MASTER SITE NUMBER	26449	CLIENT REFERENCE NUMBER	
DRAWING NUMBER	60093/CD/E01	ISSUE	*
		SHEET NO	

TO BE READ IN CONJUNCTION WITH DRAWING 60093/CD/C06.01