

ISO A1 594mm x 841mm

A

B

C

D

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POWER

- SINGLE PHASE ISOLATOR
- TWO PHASE ISOLATOR
- THREE PHASE ISOLATOR
- NON-ESSENTIAL 10A SOCKET OUTLET
- NON-ESSENTIAL 10A DOUBLE SOCKET OUTLET

DISTRIBUTION

- MSB MAIN SWITCHBOARD
- DISTRIBUTION BOARD
- MECHANICAL SERVICES SWITCHBOARD
- SERVICES BOARD
- CABLE TRAY/LADDER - ELECTRICAL
- CABLE TRAY - COMMUNICATIONS
- CABLE PIT - ELECTRICAL

COMMUNICATIONS

- COMMUNICATIONS OUTLET
- COMMUNICATIONS OUTLET
- DOUBLE COMMUNICATIONS OUTLET
- AMPLIFIER
- ANTENNA
- NBN Co. NETWORK TERMINATING DEVICE (NTD)
- NBN Co. FIBRE DISTRIBUTION TERMINAL (FDT)
- NBN Co. PREMISES DISTRIBUTION HUB (PDH)
- AERIAL
- EWIS PANEL
- AMPLIFIER EQUIPMENT

SECURITY

- CCTV MONITOR
- ELECTRIC STRIKE
- DOOR CONTACT (REED SWITCH)
- ACCESS CONTROL PROXIMITY READER  
NB. GENERALLY ALL DOORS ARE TO BE  
FREE HANDLE EGRESS FROM A  
ACCESS CONTROL DOOR.
- AFTER HOURS DOOR OPEN REQUEST
- ELECTROMAGNETIC SWITCH
- ELECTRONIC DOOR RELEASE
- PASSIVE INFRARED DETECTOR
- ULTRASONIC MOTION DETECTOR
- IP POE MINI DOME COLOUR CCTV CAMERA  
SIMILAR TO PACOM EVONET-C-IDF320
- CCTV MASTER CONTROL PANEL
- 6TB NETWORK VIDEO RECORDER  
PACOM SMART IP16SD
- SECURITY CONTROL PANEL
- MASTER INTERCOM CONTROL PANEL
- BUILDING ENTRANCE PANEL  
BTICINO D45 SYSTEM DIGITAL COLOUR  
ENTRANCE PANEL (ACCESS CONTROL  
PROXIMITY READER COULD BE  
INTEGRATED INTO THIS PANEL).
- KEY LOCK
- BREAK GLASS DOOR RELEASE
- VIDEO/INTERCOM  
BTICINO D45 7" COLOUR INDOOR  
APARTMENT HANDSET
- MASTER SWITCHBOARD  
BTICINO D45 7" DESKTOP PORTERS  
INTERCOM SWITCHBOARD
- ROLLER SHUTTER
- ACCESS CONTROL DATA  
GATHERING PANEL
- GIGABIT ETHERNET MANAGED  
POE SWITCH

LUMINAIRES

- WALL BRACKET
- SURFACE MOUNTED LUMINAIRE (1x36W FL)
- SURFACE MOUNTED LUMINAIRE (1x28W FL)
- SURFACE MOUNTED LUMINAIRE (2x36W FL)
- SURFACE MOUNTED LUMINAIRE (2x14W FL)
- SURFACE MOUNTED LUMINAIRE
- SURFACE MOUNTED OBSTACLE LUMINAIRE
- SURFACE MOUNTED LUMINAIRE ( SQUARE)
- RECESSED LED DOWNLIGHT
- RECESSED LED FIXED DOWNLIGHT IP65
- RECESSED LED DOWNLIGHT (2x10W)
- TRACK LIGHT WITH TWIN LAMPS
- TWIN LED SPOT LIGHTS
- LED LIGHTING STRIP
- EXTERIOR LED LIGHTING STRIP
- EXTERIOR LED LIGHTING STRIP
- RECESSED BRICK LIGHT
- IN GROUND UPLIGHT

EMERGENCY LUMINAIRES

- SURFACE MOUNTED LUMINAIRE (1x36W FL)
- SURFACE MOUNTED LUMINAIRE MAINTAINED(1x28W FL)
- SURFACE MOUNTED LUMINAIRE COMBINED MAINTAINED(2x28W FL)
- 10W LED RECESSED MOUNTED LUMINAIRE
- 10W LED SURFACE MOUNTED LUMINAIRE

EXIT SIGNS

- RECESSED EDGELIT LED EXIT SIGN
- RECESSED EDGELIT LED DOUBLE SIDED  
DIRECTIONAL EXIT SIGN (LEFT)
- RECESSED EDGELIT LED DOUBLE SIDED  
DIRECTIONAL EXIT SIGN (RIGHT)
- RECESSED EDGELIT LED SINGLE SIDED  
DIRECTIONAL EXIT SIGN (LEFT)
- RECESSED EDGELIT LED SINGLE SIDED  
DIRECTIONAL EXIT SIGN (LEFT)
- SURFACE MOUNTED EXIT SIGN
- 40m EXIT SIGN SURFACE MOUNTED
- WATER PROOF EXIT SIGN

FOR LUMINAIRE SCHEDULE  
REFER TO ELECTRICAL  
SPECIFICATION APPENDIX 'A'

SCHEMATICS

- ON-LINE ISOLATION SWITCH (LOAD MAKE/BREAK)
- CIRCUIT BREAKER (RATING AS NOTED)
- EARTH LEAKAGE CIRCUIT BREAKER WITH INTEGRAL  
RESIDUAL CURRENT DEVICE PROTECTION
- SURGE ARRESTOR - TYPE 1
- POTENTIAL TRANSFORMER
- KILOWATT HOUR METER
- MULTI FUNCTION METER
- EARTH
- CASTELL KEY
- PE CELL SWITCH
- INTERLOCK
- RISER TEE OFF POINT
- FUSE
- SINGLE PHASE
- TWO PHASE
- THREE PHASE
- TRANSFORMER
- CURRENT TRANSFORMER

SWITCHING

- SWITCH
- IP66 PUSHBUTTON SWITCH WITH TIMER
- MULTI-GANG SWITCH WHERE 'n' IS THE  
NUMBER OF SWITCHES/GANGS
- SINGLE POLE TWO WAY LIGHT SWITCH
- ROTARY DIMMER LIGHT SWITCH
- 2 WAY ROTARY DIMMER LIGHT SWITCH
- 180° MOTION SENSOR
- 360° MOTION SENSOR
- PHOTO ELECTRIC CELL
- LIGHTING CONTROL PANEL
- DIMMER CONTROL PANEL

ANNOTATIONS

- 15A 15AMP MINIMUM OR AS OTHERWISE SHOWN
- 2G 2 GANG SWITCHPLATE OR AS SHOWN
- 24HR 24 HOURS SECURITY
- 600 600mm ABOVE FINISHED FLOOR LEVEL OR AS SHOWN
- AB OUTLET MOUNTED ABOVE BENCH
- AC AIRCONDITIONING UNIT APARTMENT
- AFFL ABOVE FINISHED FLOOR LEVEL
- AGL ABOVE GROUND LEVEL
- CL CLEANER'S OUTLET
- DRY DRYER
- DW DISHWASHER
- EWM ELECTRONIC WATER METER
- FR REFRIGERATOR
- GAS GAS IGNITER
- HHWP HEATING HOT WATER PLANT
- HL HIGH LEVEL
- MBB MECHANICAL BRANCH BOX
- MW MICROWAVE
- NBN NATIONAL BROADBAND NETWORK
- OV OVEN
- RH RANGEHOOD
- TEF TOILET EXHAUST FAN
- TR LOCATED WITHIN AUTO DOOR TRANSOM
- TV TELEVISION
- UB OUTLET MOUNTED UNDERBENCH
- VII VIDEO/INTERCOM
- WM WASHING MACHINE
- W WALL MOUNTED



PROJECT

ANGAS APARTMENTS

CLIENT

WESTERN CORE PROJECTS

ABN: 94491548277

DEVELOPER

Flagship (Penny Place) Pty Ltd

ARCHITECT



ENGINEERING

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TENDER ISSUE

PROJECT MANAGEMENT INITIALS

GH	JAPF	MAS
DESIGNER	CHECKED	APPROVED

ISSUE/REVISION

T4	07.06.16	UPDATED 60% TENDER ISSUE
T3	10.12.15	REVISED TENDER ISSUE
T2	18.09.15	REVISED TENDER ISSUE
T1	10.09.15	60% DD TENDER ISSUE
P2	28.08.15	60% DD FOR TENDER
P1	21.08.15	FOR INFORMATION ONLY
I/R	DATE	DESCRIPTION

SCALE

NOT TO SCALE

PROJECT NUMBER

60433295

SHEET TITLE

ELECTRICAL SERVICES  
LEGEND OF SYMBOLS

SHEET NUMBER

60433295-DRG-EL- 5001