























































































GENERAL

[illegible]












SECURITY

| | | | |
|---|--|---|-----------------------|
|  | MOTION DETECTOR |  | MASTER CLOCK |
|  | W WALL MOUNTED |  | WALL MOUNTED CLOCK |
|  | TV WALL MOUNTED |  | CEILING MOUNTED CLOCK |
|  | D DIRECT/ANAL COVERAGE |  | DOUBLE SIDED CLOCK |
|  | CD CORRIDOR DOOR CONTROL | | |
|  | MS MASTER SECURITY CONTROL PANEL | | |
|  | SCP SECURITY CONTROL PANEL | | |
|  | DOOR CONTACT (REED RELAY) | | |
|  | R REED SWITCH (CONCEALED) | | |
|  | S SIREN | | |
|  | RS SLIDING DOOR INTERFACE | | |
|  | RSS ROLLER SHUTTER SENSOR | | |
|  | KSS KITCHEN SHUTTER SENSOR | | |
|  | EL ELECTRIC DOOR LOCK | | |
|  | S STRIKE LOCK | | |
|  | ML MAGNETIC LOCK | | |
|  | ME ELECTROMAGNETIC RING LOCK | | |
|  | MS ELECTROMAGNETIC SHEAR LOCK | | |
|  | DB DOOR BOLT | | |
|  | CR CARD READER | | |
|  | L LONG RANGE SENSITIVITY | | |
|  | KEYPAD | | |
|  | EMERGENCY BREAK GLASS DOOR RELEASE | | |
|  | SOS ALARM | | |
|  | PUSH TO EXIT | | |
|  | DINEX ALARM BUTTON | | |
|  | M WALL MOUNTED | | |
|  | P PENDANT MOUNTED | | |
|  | WP WEATHERPROOF ENCLOSURE | | |
|  | VR Vandal Resistant | | |
|  | VM VANDAL MOUNTED | | |
|  | VR Vandal Resistant | | |
|  | PT POST TOP | | |
|  | CAMERA LENS VIEWING RANGE | | |
|  | ALARM STATION | | |
|  | EXTERNAL SIREN AND VISUAL DISPLAY | | |
|  | MONITOR | | |
|  | IMAGE RECORDER | | |
|  | VIDEO INTERCOM | | |
|  | COMMUNICATIONS | | |
|  | TELEPHONE OUTLET | | |
|  | FAX OUTLET | | |
|  | HEALTH SERVICES | | |
|  | EMERGENCY ALARM BELL / BUZZER | | |
|  | FE FIRE EMERGENCY ALARM | | |
|  | MC NURSE CALL | | |
|  | DA DOCTOR CALL | | |
|  | DARK ROOM LIGHT | | |
|  | DINEX BUTTON | | |
|  | COMMUNICATIONS EARTH | | |
|  | EMERGENCY CALL POINT | | |
|  | CEILING MOUNTED DUAL COLOUR INDICATOR LAMP | | |
|  | CEILING MOUNTED WHITE INDICATOR LAMP | | |
|  | NURSE CALL POSITION - HANDSET OPERATED | | |
|  | CALL POINT | | |
|  | SOS EMERGENCY ALARM | | |
|  | AC ASSISTANT CALL | | |
|  | MASTER ANTENNA TELEVISION | | |
|  | SATELLITE DISH | | |
|  | MAY TV ANTENNA | | |
|  | 2 - MAY MAY TV SPLITTER | | |
|  | 4 - MAY MAY TV SPLITTER | | |
|  | MAY DIRECTIONAL COUPLER | | |
|  | TERMINATION RESISTOR | | |
|  | WIDE BAND AMPLIFIER | | |
|  | SINGLE CHANNEL AMPLIFIERS FOR VARIOUS CHANNELS | | |


































SCHEMATICS - POWER CIRCUIT

| | |
|---|---|
|  | CIRCUIT BREAKER - MAXIMUM AUTO |
|  | CIRCUIT BREAKER - SHUNT TRIP |
|  | AIR CIRCUIT BREAKER |
|  | WITHDRAWABLE AIR CIRCUIT BREAKER |
|  | GROUND INDICATOR (FAULT INDICATOR) |
|  | HRC COMBINATION FUSE SWITCH (CFS) |
|  | HRC FUSE |
|  | RELAY/CONTACT NORMALLY OPEN CONTACT |
|  | RELAY/CONTACT NORMALLY CLOSED CONTACT |
|  | AUTOMATIC TRANSFER SWITCH |
|  | CIRCUIT BREAKER SWITCH WITH MECHANICAL AND ELECTRICAL INTERLOCK |
|  | JOINED |
|  | SINGLE PHASE |
|  | TWO PHASE |
|  | THREE PHASE |
|  | TERMINALS SHOWN CONNECTED |

MASTER ANTENNA TELEVISION

| | |
|---|--|
|  | SATELLITE DISH |
|  | TV ANTENNA |
|  | 2 - WAY TV SPLITTER |
|  | 4 - WAY TV SPLITTER |
|  | TV DIRECTIONAL COUPLER |
|  | TERMINATION RESISTOR |
|  | WIDE BAND AMPLIFIER |
|  | SINGLE CHANNEL AMPLIFIERS FOR VARIOUS CHANNELS |
|  | TV OUTLET |
|  | P - DEMODS PAY TV |
|  | AUDIO VISUAL CAMERA |

COMMUNICATIONS

| | |
|---|---|
|  | TELEPHONE OUTLET |
|  | FAX OUTLET |
|  | INTERSECTION POINT |
|  | RARE BRIDGE INTERCOM |
|  | MASTER KEY BRIDGE INTERCOM |
|  | WAGON INTERCOM POINT |
|  | TELEPHONE/INTERCOM/PRIVATE CONNECTION P - DENOTES NUMBER OF OUTLETS IF MORE THAN 1 |
|  | TELEPHONE/INTERCOM/DATA OUTLET SUBSCRIPT |
|  | FLOOR MOUNTED |
|  | WALL MOUNTED |
|  | CEILING MOUNTED |
|  | UNDER BENCH |
|  | WEATHER ROOF |
|  | PENDANT |
|  | SURFACE MOUNTED |
|  | MAN DISTRIBUTION FRAME |
|  | INTERFERENCE DISTRIBUTION FRAME |
|  | FINAL DISTRIBUTION FRAME |
|  | TEST POINT FRAME |
|  | PRIVATE AUTOMATIC BRANCH EXCHANGE |
|  | DATA/DIGITAL COMMUNICATION EQUIPMENT RACK |
|  | CONSOLIDATION POINT |
|  | RED AND AMBER EYES FLASHING LIGHTS |
|  | MICROPHONE |
|  | LOOPSPAKER DEPRESSED |
|  | VOLUME CONTROL |
|  | HORN |
|  | SPEAKERS SURFACE MOUNTED |
|  | M - DENOTES WALL MOUNTED |
|  | P - DENOTES PENDANT |
|  | MOBILE PHONE ANTENNA |
|  | MASTER EMERGENCY CONTROL PANEL |
|  | EMERGENCY CONTROL PANEL |

GENERAL NOTES

1. REFER TO THE SCHEDULES FOR LUMINAIRE, DISTRIBUTION BOARDS AND SUBMANS IN THE SPECIFICATION.
2. LOCATIONS AND MOUNTING HEIGHTS OF ALL OUTLETS, SWITCHES, RECESSED AND SURFACE MOUNTED LIGHT FIXTURES, ELECTRICAL SERVICE PANELS, ELECTRICAL DISTRIBUTION BOARDS, ELECTRICAL SERVICE PANELS AND ROOM DATA SHEETS ON SITE PRIOR TO INSTALLATION AND WORKING.
3. THE ELECTRICAL SERVICES INSTALLATION SHALL BE STAGED IN ACCORDANCE WITH THE ELECTRICAL SERVICE PANEL SCHEDULES WHICH STAGING DOCUMENT INCLUDING THE ELECTRICAL SERVICES MOVEMENTS.
4. LIGHT AND POWER SHALL BE SUPPLIED FROM THE APPROPRIATE LIGHT AND POWER DISTRIBUTION BOARDS LOCATED AS SHOWN ON THE DRAWINGS.
5. WHERE ELECTRICAL SERVICES ARE REQUIRED FROM DISTRIBUTION BOARDS OTHER THAN THE DISTRIBUTION BOARDS INSTALLED ON THE SAME FLOOR AS THE ELECTRICAL SERVICES, THE ELECTRICAL SERVICES WILL BE SUPPLIED THROUGH AND ASSOCIATED DISTRIBUTION BOARDS SHALL BE CLEARLY IDENTIFIED INCLUDING THE DISTRIBUTION BOARDS THEY ARE SUPPLIED FROM IN ACCORDANCE WITH AS2004.
6. LIGHT AND POWER SUB-CIRCUITS SHALL BE CABLED IN SUCH A WAY TO LIMIT THE MAXIMUM CABLE LENGTHS IN ACCORDANCE WITH AS2004. ALLOW FOR ADDITIONAL CABLE TRAYS OR CABLEWAYS NECESSARY TO COMPLY WITH THIS REQUIREMENT.
7. SUB-CIRCUIT CABLE SIZES SHALL BE SELECTED BASED ON ASSESSED LOAD, VOLTAGE DROPPING OF THE PROTECTION DEVICE AND METHOD OF INSTALLATION.
8. ALL WALLS AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER AND SHALL BE PROTECTED BY THE SUB-CIRCUIT CABLES.
9. ALL NEW CABLETRAYS SHALL BE PROVIDED WITH LOCKABLE LINED DOORS, LINED ENCLOSURES AND SHOCK STAKES.
10. READ DRAWINGS INCLUDING THE ELECTRICAL DRAWINGS, IN CONJUNCTION WITH THE ELECTRICAL SERVICES DRAWINGS AND SPECIFICATION.
11. ALL ELECTRICAL SERVICES SHALL BE NEW UNLESS NOTED OTHERWISE.
12. WHERE TRADE NAMES ARE SPECIFIED "APPROVED EQUIVALENTS" CAN BE OFFERED.

POWER AND COMMUNICATIONS OUTLETS

1. ALL POWER AND COMMUNICATIONS OUTLETS SHALL BE MOUNTED AT 300mm A.F.F.
2. OUTLETS SHALL BE CIRCULAR, 20mm SERIES OR EQUAL.
3. OUTLETS IN SWITCHBOARDS AND PLANT ROOMS SHALL BE 25mm S.S. SERIES OR EQUAL.
4. WHERE 2 OR MORE DATA OR MULTI OUTLETS ARE LOCATED TOGETHER, MOUNT ON A COMMON RACK.
5. THE STYLE OF ALL VISIBLE POWER AND COMMUNICATIONS OUTLETS SHALL BE CO-ORDINATE WITH THE ARCHITECT.
6. ALL POWER AND COMMUNICATIONS OUTLETS SHALL BE LABELED WITH DISTRIBUTION BOARD OR DISTRIBUTION IDENTIFICATION AND CIRCUT NUMBER.
7. POWER AND DATA CABLE PLANNING OUTLETS INSTALLED IN OPENING OR WALL DUTLS SHALL BE SURTABLE TYPE FOR INSTALLING ON THESE DUTLS.
8. UNLESS NOTED OTHERWISE, ALL POWER SOCKET OUTLETS SHALL BE SWITCHED TYPE.

LIGHTING AND CONTROLS

1. UNLESS SPECIFIED OTHERWISE, ALL NEW FLUORESCENT LUMINAIRES SHALL BE PROVIDED WITH THIMBROUSE 15 TUBES LOOK BEYD.
2. DISPOSED LIGHTING SHALL BE PROVIDED WITH POWER FACTOR CORRECTION TO CORRECT TO A MINIMUM OF 0.90 LAG FACTOR.
3. CONTROL GEAR.
4. UNLESS SPECIFIED OTHERWISE, ALL LUMINAIRES SHALL BE PROVIDED WITH ELECTRONIC CONTROL GEAR.
5. THE FIRM COLOUR OF ALL LUMINAIRES SHALL BE CO-ORDINATE WITH THE ARCHITECT PRIOR TO PLACING ORDERS.
6. ALL LIGHT SWITCHES SHALL BE MOUNTED 1275mm AT UNLESS NOTED OTHERWISE.
7. WHERE 2 OR MORE SWITCHES ARE LOCATED TOGETHER, MOUNT ON A COMMON SWITCH PLATE.
8. ALL LIGHT SWITCHES SHALL BE OPERED FROM SERIES OR PARALLEL SWITCHBOARDS AND CABLE RINGS SHALL BE CIRCULAR 25 SERIES OR EQUAL.
9. THE FINAL LOCATION OF THE SWITCHES (ROOMS) PRIOR TO INSTALLATION, CO-ORDINATE WITH THE ARCHITECT. PROVIDE THE DETAILERS AND COORDINATE LIGHTING CONTROL SYSTEM, REFER TO SPECIFICATION.
10. UNLESS NOTED OTHERWISE, ALL SINGLE PHASE LIGHT SWITCHES SHALL BE RATED 250V, 50/60HZ.

ROUTING CRITERIA

CIRCUITING CRITERIA

- FINAL LOCATIONS AND PORTS OF LADDER AND CABLE TRAYS INCLUDING CLIMBERS WORKS IN THE CEILING SPACES SHALL BE DETERMINED AND CO-ORDINATED ON SITE WITH OTHERS INVOLVED PRIOR TO INSTALLATION. ALLOW FOR ADJUSTING LOCATIONS AND PORTS AS NECESSARY.
- LOCATIONS AND PORTS OF LADDER AND CABLE TRAYS SHALL SUIT THE FINAL LOCATIONS OF WIRING DEVICES IN THE FITTINGS AND EQUIPMENT.
- ALL SUBMAIN CABLES SHALL BE SUPPORTED ON LADDER TRAYS FOR THE TOTAL RATED LENGTH OF THE SUBMAIN CABLES.
- PROVIDE SUFFICIENT SPACING BETWEEN ELECTRICAL AND COMMUNICATIONS TRAYS.

CONDUITS

- FINAL LOCATIONS, ROUTES, QUANTITIES, SIZES AND METHODS OF INSTALLING CONDUITS FOR SUB-CIRCUIT WIRING AND CABLES SHALL BE CO-ORDINATED ON SITE WITH THE ARCHITECT PRIOR TO INSTALLATION.
- LOCATIONS AND PORTS SHALL SUIT THE BEST METHOD OF RETICULATING SUB-CIRCUIT WIRING AND CABLES TO THE FITTINGS AND EQUIPMENT.
- CONDUITS SHALL BE HEAVY DUTY RIGID PIPE TYPE.
- NO SURFACE RUN CONDUITS SHALL BE PERMITTED UNLESS APPROVED BY THE

SCHEDULE OF DRAWINGS

E001 LEGEND OF SYMBOLS, SCHEDULE OF DRAWINGS & GENERAL

NOTES

E002 SITE & EXTERNAL SERVICES DEMOLITION PLAN

E003 SITE MAIN SWITCHBOARD SMSB & MAIN DISTRIBUTION BOARD MDB1 SCHEMATICS

E004 NURSE CALL SYSTEM & LIGHTING CONTROLS SCHEMATICS

E005 VOICE/DAIA & MAIL SCHEMALS

E007 MAIN SWITCHROOM & CONDUITS LAYOUT

E008 DISTRIBUTION BOARDS SCHEMATICS

E101 GROUND FLOOR - SHEET 1 - LIGHTING AND PUBLIC ADDRESS LAYOUT

FLOOR - SHEET 2 - LIGHTING AND PUBLIC ADDRESS LAYOUT

E104 GROUND FLOOR - SHEET 1 - POWER, COMMUNICATIONS & ACCESS CONTROLS LAYOUT

E105 GROUND FLOOR - SHEET 2 - POWER, COMMUNICATIONS & ACCESS CONTROLS LAYOUT

E106 GROUND FLOOR - SHEET 3 - POWER, COMMUNICATIONS & ACCESS CONTROLS LAYOUT

E201 FIRST FLOOR - LIGHTING AND PUBLIC ADDRESS LAYOUT

E202 FIRST FLOOR - POWER, COMMUNICATIONS & ACCESS CONTROLS LAYOUT

CONSTRUCTION ISSUE

THESE DRAWINGS HAVE BEEN MARKED "CONSTRUCTION ISSUE" ON THE UNDERSTANDING THAT THEY ARE TO BE USED AS THE BASIS FOR THE COMMENCEMENT OF THE SUB CONTRACTOR'S SHOP DRAWING PROCESS.

| Player | Description | Date |
|--------|----------------------|--------------|
| Alex | TENDER ISSUE | JUG 18.04.11 |
| B | REVISED TENDER ISSUE | JUG 18.05.11 |
| C | CONSTRUCTION ISSUE | SL 21.11.11 |

| Order Date | Order A/E/D |
|------------|-------------|
| 14.11.11 | X06-A/E/D |

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| | |
|--|--------------|
| <p>ASSISI CENTRE EXISTING AGED CARE BUILDING & NEW RETIREMENT ACCOMMODATION 230 ROSANNA RD., ROSANNA</p> | <p>Topic</p> |
| <p>ELECTRICAL SERVICES LEGEND OF SYMBOLS, SCHEDULE OF DRAWINGS & GENERAL NOTES</p> | <p>Title</p> |