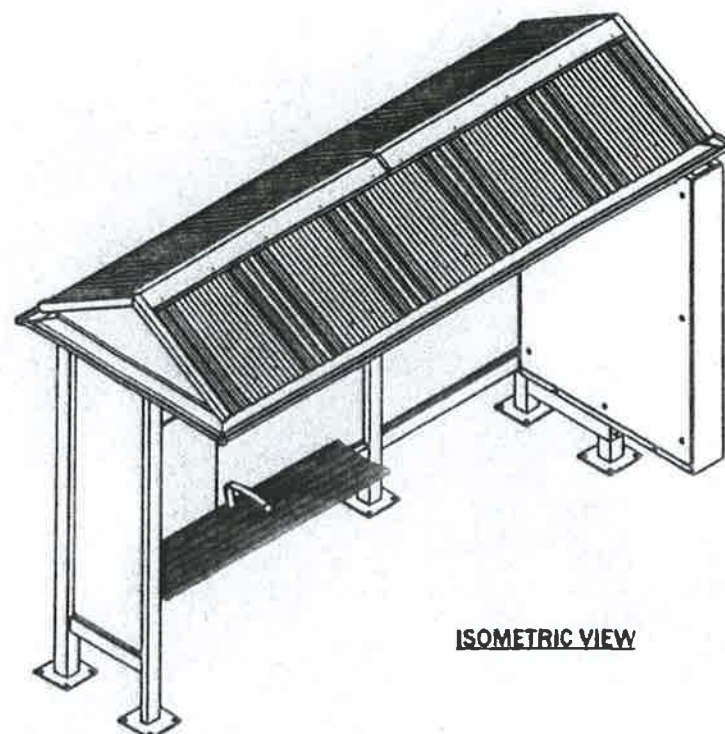
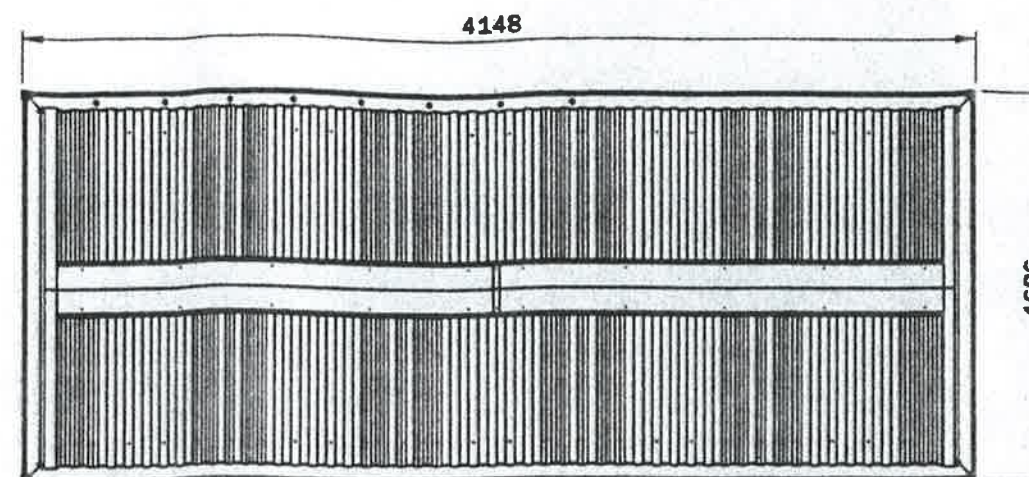


WARRINGAH COUNCIL  
THIS PLAN TO BE READ  
IN CONJUNCTION WITH

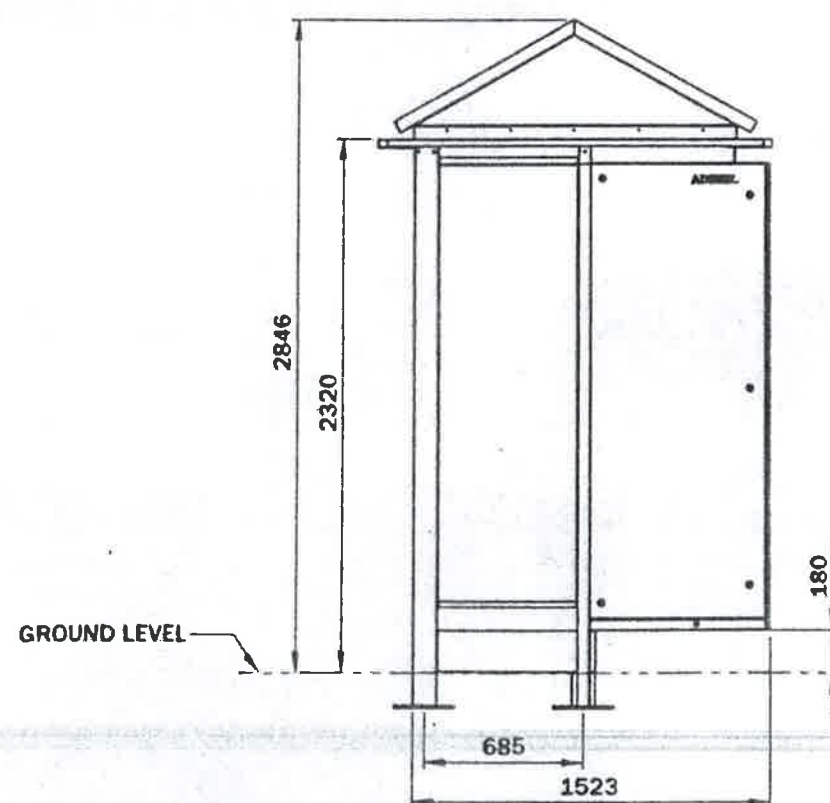
Construction  
Certificate No. *CC2011/0665*



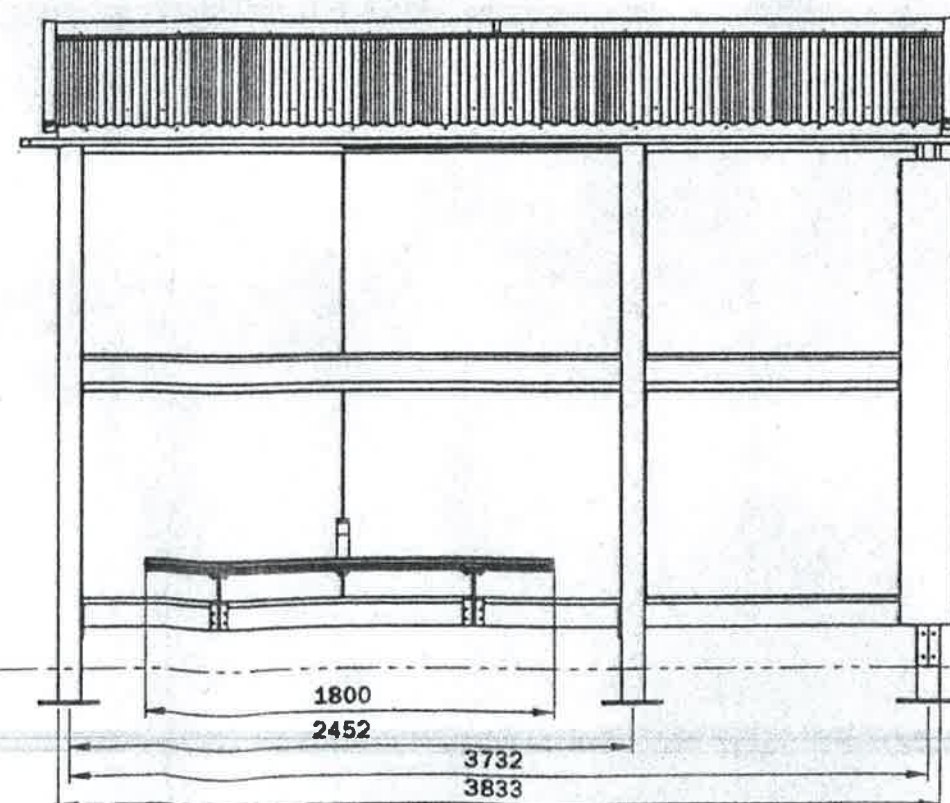
ISOMETRIC VIEW



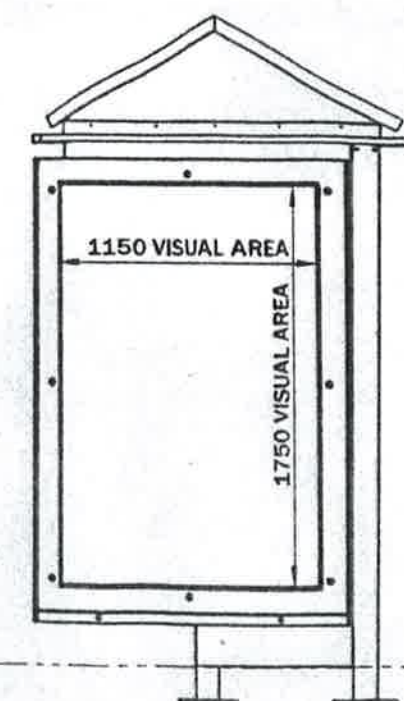
PLAN VIEW



SIDE ELEVATION



FRONT ELEVATION

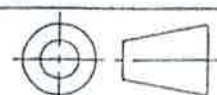


SIDE ELEVATION

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
- XX - INDICATES DIMENSION  
SYMMETRIC ABOUT CENTRELINE

CAD GENERATED DRAWING  
DO NOT MANUALLY UPDATE  
DO NOT SCALE DRAWING

TOLERANCES:  
LINEAR:  $\pm 0.5\text{mm}$   
ANGULAR:  $\pm 0.5^\circ$



DRAWN:  
SB

CHECKED:

MANUFACTURING:

DATE:  
18/11/2008

DATE:

REV DATE:

ADSHHEL

The Forum Level 11 205 Pacific Highway  
St Leonards NSW 2065  
t: (+612) 8425 7200 f: (+612) 8425 7222

TITLE:

OPTISHEL VILLA  
AD-MAINS-FULL BACK

DRAWING TYPE:  
General Assembly

MATERIAL:

DRAWING NO:

ELEVATION VIEWS  
50416

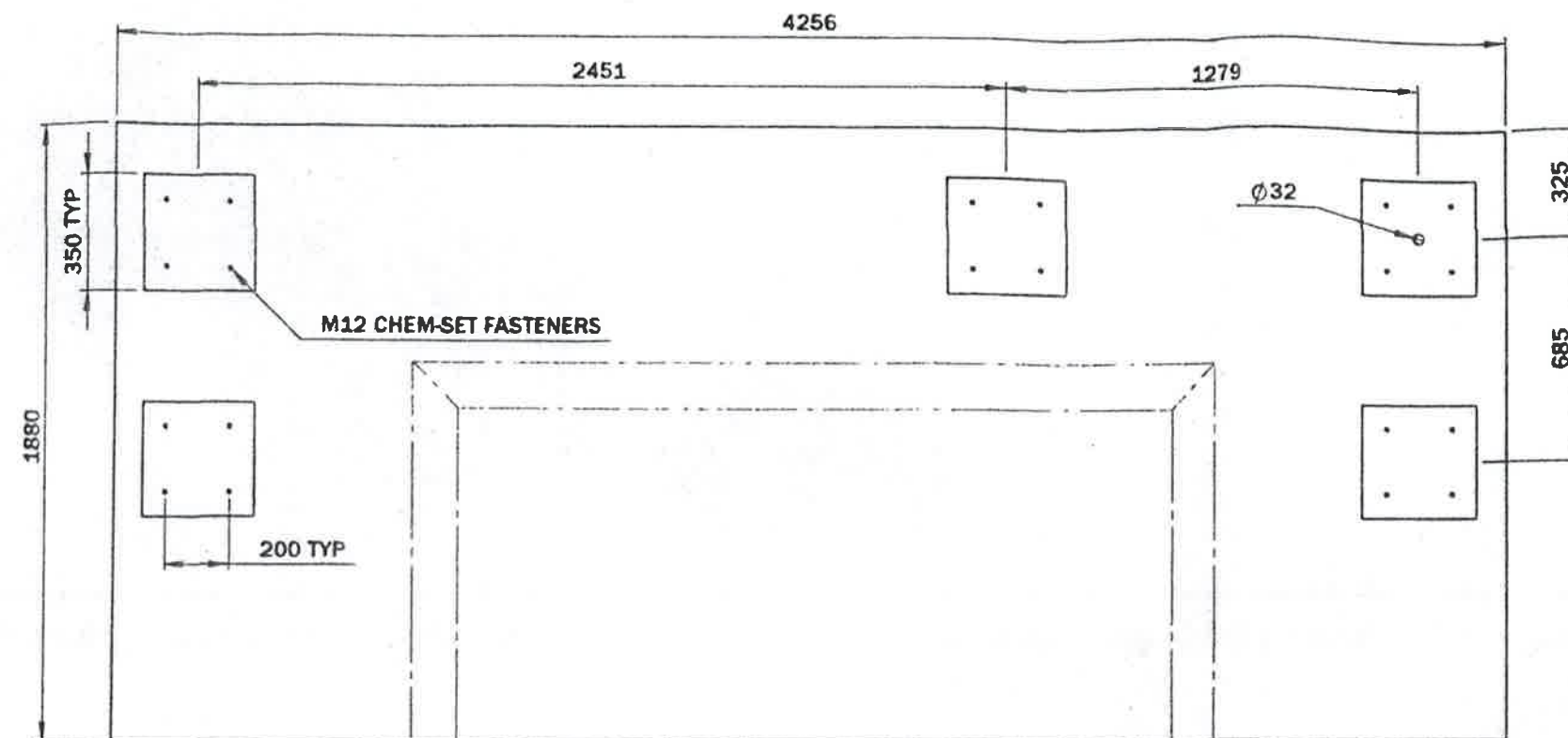
FINISH:  
Powdercoat

SIZE:  
A3

SCALE:  
1:30

SHEET:  
2

**WARRINGAH COUNCIL**  
THIS PLAN TO BE READ  
IN CONJUNCTION WITH  
Construction  
Certificate No. CC2011/0665



CONDUIT LOCATIONS ARE CRITICAL

CONCRETE REQUIREMENTS:

- MPA25
- SLUMP 80mm
- MAXIMUM AGGREGATE = 20mm
- MINIMUM DENSITY = 2400kg/mm<sup>3</sup>

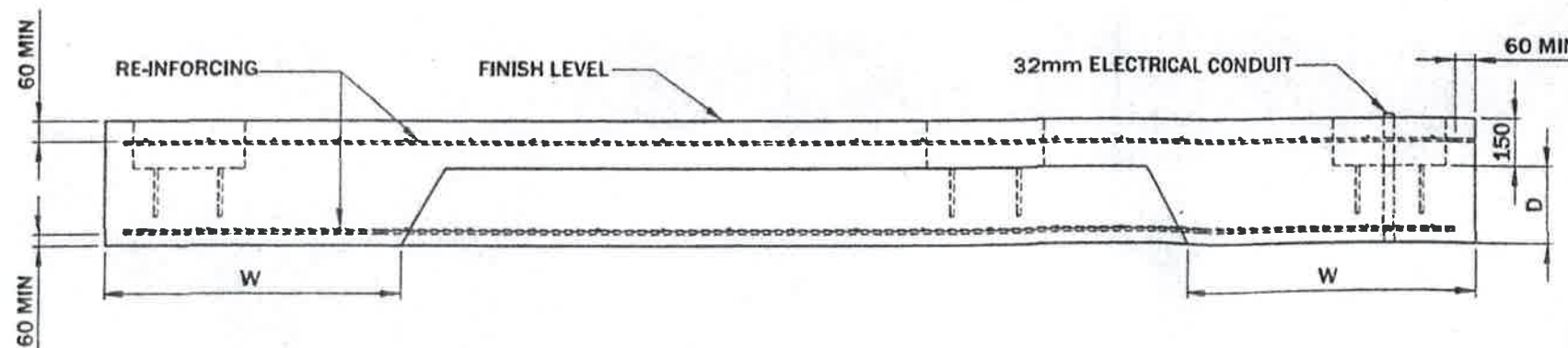
RE-INFORCEMENT:

- MINIMUM COVER OF RE-INFORCEMENT = 60mm

FASTENERS:

- 4 off M12 CHEM-SET FASTENERS PER UPRIGHT, MINIMUM EMBEDMENT = 150mm

DIMENSIONS BASED ON METRO MKII CERTIFIED FOOTING



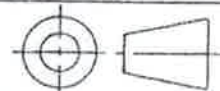
| REGION | DESCRIPTION  | ULTIMATE WIND SPEED (m/s) | W (mm) | D (mm) | RE-INFORCEMENT TOP & BOTTOM |
|--------|--------------|---------------------------|--------|--------|-----------------------------|
| A      | NORMAL       | 50                        | 910    | 240    | RF92 MESH                   |
| B      | INTERMEDIATE | 60                        | 1250   | 240    | RF92 MESH                   |

Ø9 200  
**DETAIL B**  
MESH SIZE 200 x 200 x 9mm

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
- XY - INDICATES DIMENSION  
SYMMETRIC ABOUT CENTRELINE

CAD GENERATED DRAWING  
DO NOT MANUALLY UPDATE  
DO NOT SCALE DRAWING

TOLERANCES:  
LINEAR: ± 0.5mm  
ANGULAR: ± 0.5°



DRAWN:  
SB

CHECKED:

MANUFACTURING:

DATE:  
18/11/2008

DATE:

REV DATE:

**ADSHL**

The Forum, Level 11, 205 Pacific Highway  
St Leonards NSW 2065  
t: (+612) 8425 7200 f: (+612) 8425 7222

TITLE:

**OPTISHEL VILLA  
AD-MAINS-FULL BACK**

DRAWING TYPE:  
General Assembly

MATERIAL:

DRAWING NO:

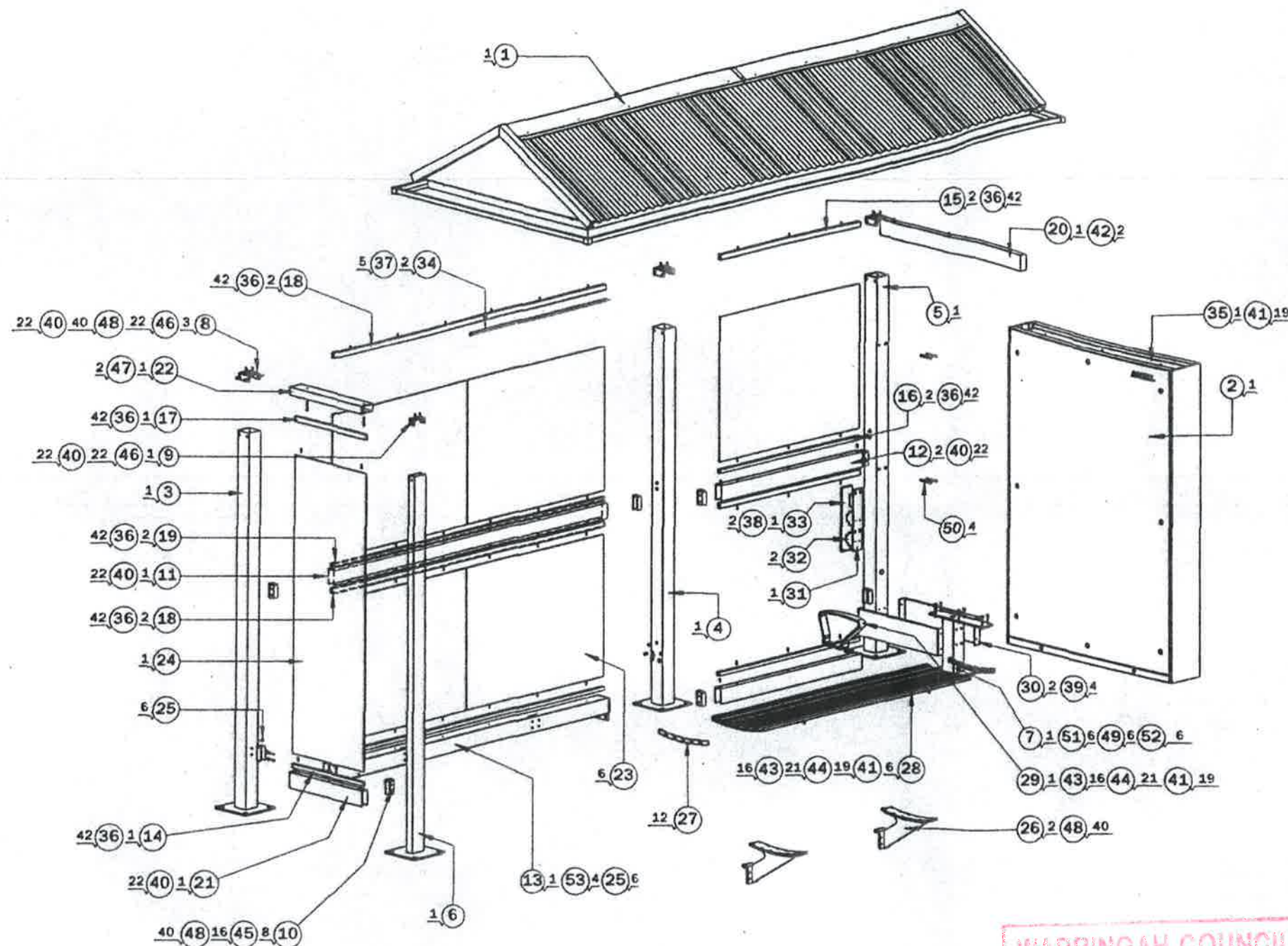
**FOOTING DETAIL  
50416**

FINISH:

SIZE:  
A3

SCALE:  
1:20

SHEET:  
3



| BOM Table |      |                |                                        |                        |  |
|-----------|------|----------------|----------------------------------------|------------------------|--|
| ITEM NO.  | QTY. | DRAWING NUMBER | DESCRIPTION                            | MATERIAL               |  |
| 1         | 1    | 50056          | VILLA ROOF ASSEMBLY - MAINS SUPPLY     | ALUMINIUM              |  |
| 2         | 1    | 11550          | UNIVERSAL SUPERLITE DSFS               | VARIOUS                |  |
| 3         | 1    | 12234          | UPRIGHT A                              | ALUMINIUM              |  |
| 4         | 1    | 50193          | UPRIGHT G                              | ALUMINIUM              |  |
| 5         | 1    | 12236          | UPRIGHT C                              | ALUMINIUM              |  |
| 6         | 1    | 12233          | UPRIGHT D                              | ALUMINIUM              |  |
| 7         | 1    | 50005          | UPRIGHT E                              | ALUMINIUM              |  |
| 8         | 3    | 12241          | REAR UPRIGHT BRACKET                   | SS                     |  |
| 9         | 1    | 12240          | FRONT UPRIGHT BRACKET                  | SS                     |  |
| 10        | 8    | 11571          | MID&BOTTOM RAIL BRACKET                | SS                     |  |
| 11        | 1    | 50019          | MID RAIL LONG                          | ALUMINIUM              |  |
| 12        | 2    | 11570          | MID RAIL                               | ALUMINIUM              |  |
| 13        | 1    | 12230          | SEAT RAIL                              | ALUMINIUM              |  |
| 14        | 1    | 11582-1        | U GLASS HOLDER 1                       | ALUMINIUM              |  |
| 15        | 2    | 11584-2        | U GLASS HOLDER 2                       | ALUMINIUM              |  |
| 16        | 2    | 11582-2        | U GLASS HOLDER 3                       | ALUMINIUM              |  |
| 17        | 1    | 50022          | U GLASS HOLDER 5                       | ALUMINIUM              |  |
| 18        | 2    | 12288          | UPPER LONG U GLASS HOLDER              | ALUMINIUM              |  |
| 19        | 2    | 50000          | LOWER LONG U GLASS HOLDER              | ALUMINIUM              |  |
| 20        | 1    | 12281          | UPPER PANEL SUPPORT                    | ALUMINIUM              |  |
| 21        | 1    | 12280          | LOWER WINDBREAK SUPPORT                | ALUMINIUM              |  |
| 22        | 1    | 12279          | UPPER WINDBREAK SUPPORT                | ALUMINIUM              |  |
| 23        | 6    | 11577          | BACK GLASS                             | TOUGHENED SAFETY GLASS |  |
| 24        | 1    | 11578          | WINDBREAK GLASS                        | TOUGHENED SAFETY GLASS |  |
| 25        | 6    | 50033          | DOWEL SCREW                            | SS                     |  |
| 26        | 2    | 50026          | SEAT SUPPORT RATIONALISED              | ALUMINIUM CAST         |  |
| 27        | 12   | 50004          | SEAT END CAP                           | PP WITH UV PLASTIC     |  |
| 28        | 6    | 11575          | SEAT SLAT                              | ALUMINIUM EXTRUSION    |  |
| 29        | 1    | 11574          | ARM REST                               | ALUMINIUM              |  |
| 30        | 2    | 50030          | BASE CLADDING                          | ALUMINIUM              |  |
| 31        | 1    | 12297          | ELECTRICAL PLATE                       | ALUMINIUM              |  |
| 32        | 2    | -              | RCD_MCB                                | -                      |  |
| 33        | 1    | 50456          | COVER PLATE 2                          | ALUMINIUM              |  |
| 34        | 1    | 11968          | LED LIGHT SYSTEM                       | ALUMINIUM              |  |
| 35        | 1    | 10668          | LIGHTBOX TOP CHANNEL                   | ALUMINIUM              |  |
| 36        | 42   | -              | #10 x 1" PHILLIPS SELF DRILLING SCREW  |                        |  |
| 37        | 5    | -              | #8 x 1/2" PHILLIPS SELF DRILLING SCREW |                        |  |
| 38        | 2    | -              | M6 X 16 C'SNK SOCKET HD SCREW          |                        |  |
| 39        | 4    | -              | M6 X 16 BUTTON SOCKET HD SCREW         |                        |  |
| 40        | 22   | -              | M6 X 20 C'SNK SOCKET HD SCREW          |                        |  |
| 41        | 19   | -              | M6 X 25 HEX HD SCREW                   |                        |  |
| 42        | 2    | -              | M6 X 25 SHCS                           |                        |  |
| 43        | 16   | -              | M6 NYLOCK NUT                          |                        |  |
| 44        | 21   | -              | M6 PLAIN WASHER                        |                        |  |
| 45        | 16   | -              | M8 X 25 HEX HD SCREW                   |                        |  |
| 46        | 22   | -              | M8 X 35 SHCS                           |                        |  |
| 47        | 2    | -              | M8 X 50 SHCS                           |                        |  |
| 48        | 40   | -              | M8 PLAIN WASHER                        |                        |  |
| 49        | 6    | -              | M10 X 80 HEX HD SCREW                  |                        |  |
| 50        | 4    | -              | M10 X 80 SHCS                          |                        |  |
| 51        | 6    | -              | M10 PLAIN WASHER                       |                        |  |
| 52        | 6    | -              | M10 FULL NUT                           |                        |  |

WARRINGAH COUNCIL  
THIS PLAN TO BE READ  
IN CONJUNCTION WITH

Construction  
Certificate No. CC2001/0665

QTY ITEM NO.

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
- XX - INDICATES DIMENSION  
SYMMETRIC ABOUT CENTRELINE

CAD GENERATED DRAWING  
DO NOT MANUALLY UPDATE  
DO NOT SCALE DRAWING

TOLERANCES:  
LINEAR:  $\pm 0.5\text{mm}$   
ANGULAR:  $\pm 0.5^\circ$



DRAWN:  
SB

CHECKED:

MANUFACTURING:

DATE:  
18/11/2008

DATE:

REV DATE:

ADSHHEL

The Forum, Level 11, 205 Pacific Highway  
St Leonards NSW 2065  
t: (+612) 8425 7200 f: (+612) 8425 7222

TITLE:

OPTISHEL VILLA  
AD-MAINS-FULL BACK

DRAWING TYPE:  
General Assembly

MATERIAL:

DRAWING NO:

EXPLODED ASSEMBLY  
50416

FINISH:

SIZE:

SCALE:

SHEET:

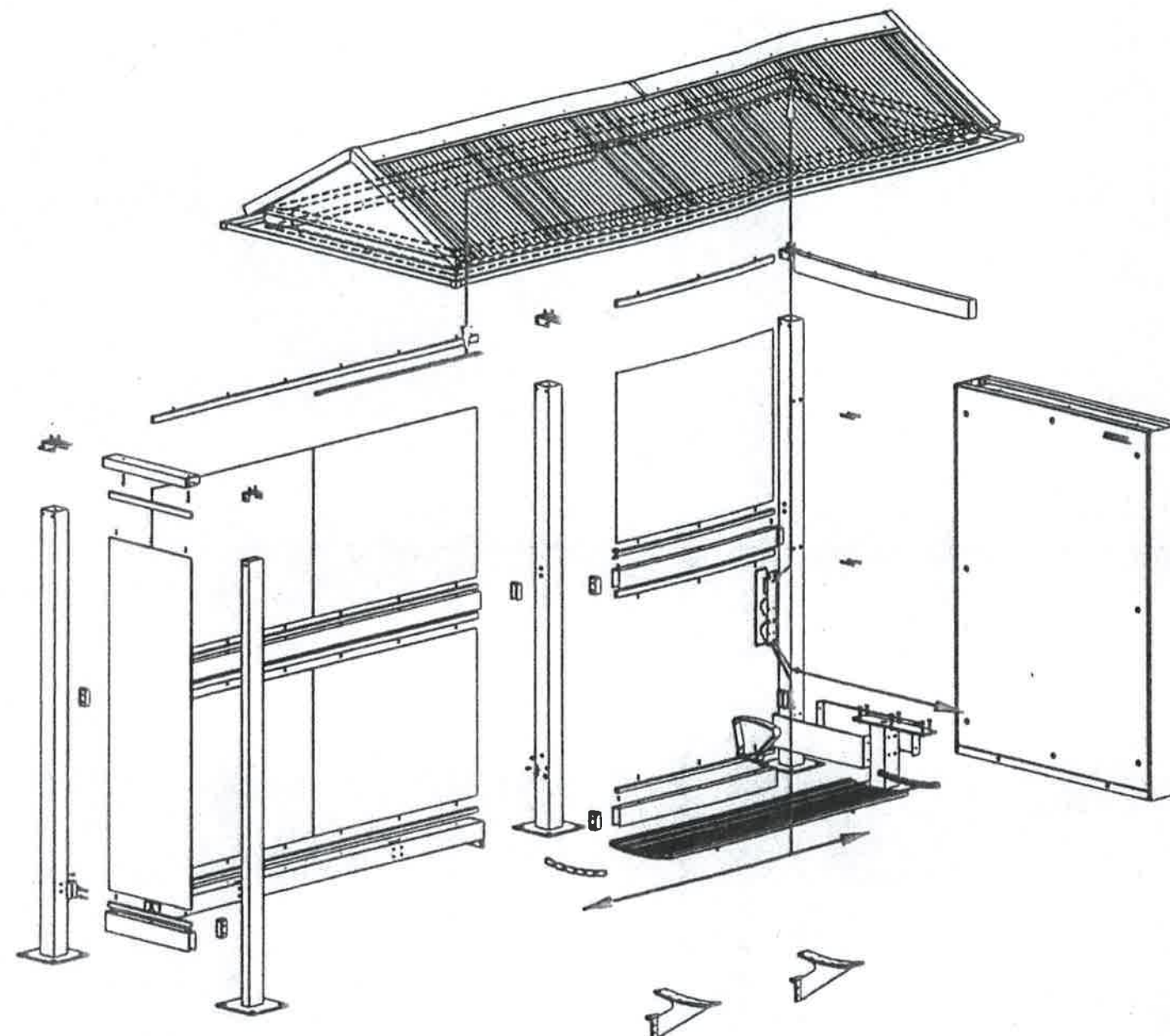
A3

1:30

4

WARRINGAH COUNCIL  
THIS PLAN TO BE READ  
IN CONJUNCTION WITH

Construction:  
Certificate No. CC 2011/0665



KEY:

→ SUPPLY = 240V

→ LOAD / LIGHTS = 12V

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
- 101 - INDICATES DIMENSION  
SYMMETRIC ABOUT CENTRELINE

TOLERANCES:  
LINEAR:  $\pm 0.5\text{mm}$   
ANGULAR:  $\pm 0.5^\circ$

DRAWN:  
SB

DATE:  
18/11/2008

CHECKED:

DATE:

MANUFACTURING:

REV DATE:

ADSHHEL

The Forum, Level 11, 205 Pacific Highway  
St Leonards NSW 2065  
t: (+612) 8425 7200 f: (+612) 8425 7222

TITLE:

OPTISHEL VILLA  
AD-MAINS-FULL BACK

DRAWING NO:

WIRING DETAIL  
50416

DRAWING TYPE:  
General Assembly

MATERIAL:

FINISH:

SIZE:  
A3

SCALE:  
1:30

SHEET:  
5

CAD GENERATED DRAWING  
DO NOT MANUALLY UPDATE  
DO NOT SCALE DRAWING

