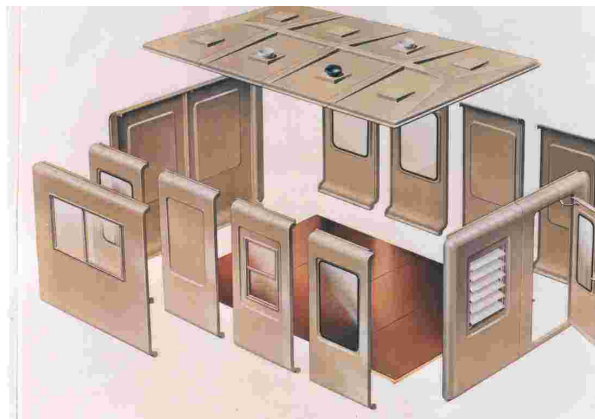


## **Amiantit Multipurpose Modular Buildings manufactured from Glass-Reinforced Polyester (GRP) composite material.**

**Multipurpose Modular Building System**, manufactured by **Amiantit Oman** is suitable for a wide range of applications like Accommodation cabins, Offices, Tourism information Kiosks, Product display rooms, Guard houses, Pump rooms, Equipment housings, Ablution units, etc.

Modular Buildings manufactured by **Amiantit Oman** consists of Side and Roof panels, designed to satisfy a diverse range of needs. The system consists of a number of standard Wall panels and a choice of many optional features from which it is possible to compose well designed permanent buildings. These buildings are presently available in 1.5m, 2.5m, 2.8m, 3.8m, 5.0m, 6.0m and 7.6m widths with practically no limitations in the length. The length of the buildings can be increased any time by bolting additional Side and Roof panels.

Small sized buildings are normally delivered fully assembled and off loaded by vehicle mounted crane, ready for simple Base fixing and occupation. Alternatively, in situations where size or site access restrictions exist, Buildings are delivered in panel form for on-site assembly and erection. Normally, these buildings are erected on a Concrete plinth of minimum 150 mm thick and the same will serve as the floor of the building. Where there is a need for frequent shifting of the building is required, the building can be mounted on a steel skid with in-built Floor panels for the convenience of portability.



### **Advantages of GRP Modular buildings over Conventional Porta Cabins :**

1. GRP being water and moisture resistant has a long life span and hence serves the purpose of permanent buildings with additional value for money spent.
2. Aesthetic design and appearance enables construction approvals from Government and other Authorities for all locations.
3. Available in U.V. stabilized built-in colours without having the need for repainting even after several years of use.
4. Light in weight and hence no need for any heavy foundation or plinth.
5. Can be transported in knocked down condition and can be easily installed and relocated with minimum manpower.
6. Light weight panel construction provides for future modifications, relocation and expansion of Cabin sizes in 1.0m increments.
7. Thus, GRP Modular Cabins can be virtually custom built for any conceivable application.

**Please see the attached images showing some of the typical applications.**

For further information on the above product please feel free to contact Amiantit Oman Co. LLC., P.O. Box 417, PC 111, Sultanate of Oman, Telephone No. 24446600, Mob#95474543 Fax No: 24446611 email: [avesh\\_amiantit@omzest.com](mailto:avesh_amiantit@omzest.com) website: [www.amiantitoman.com](http://www.amiantitoman.com)



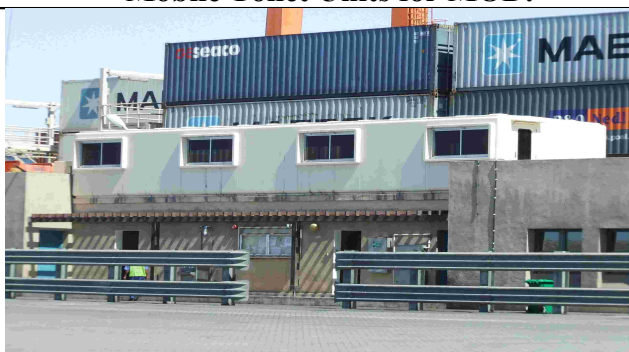
**Accommodation Units-Dimaniyat Island**



**Mobile Toilet Units for MOD.**



**Guard Cabin-2.2mx1.5m**



**Training Offices-14.2mx3.8m Port of Salalah**



**Guard House-4.2mx2.5m**



**Equipment Housing-4.2mx2.8m-PDO**



**Gas Analyser Housing-OLNG Sur**



**Office Cabins at Port of Salalah12.2mx6m**



**Accommodation Units-12.2mx3.8m**



**3.2M long Cabin being lifted for transport**





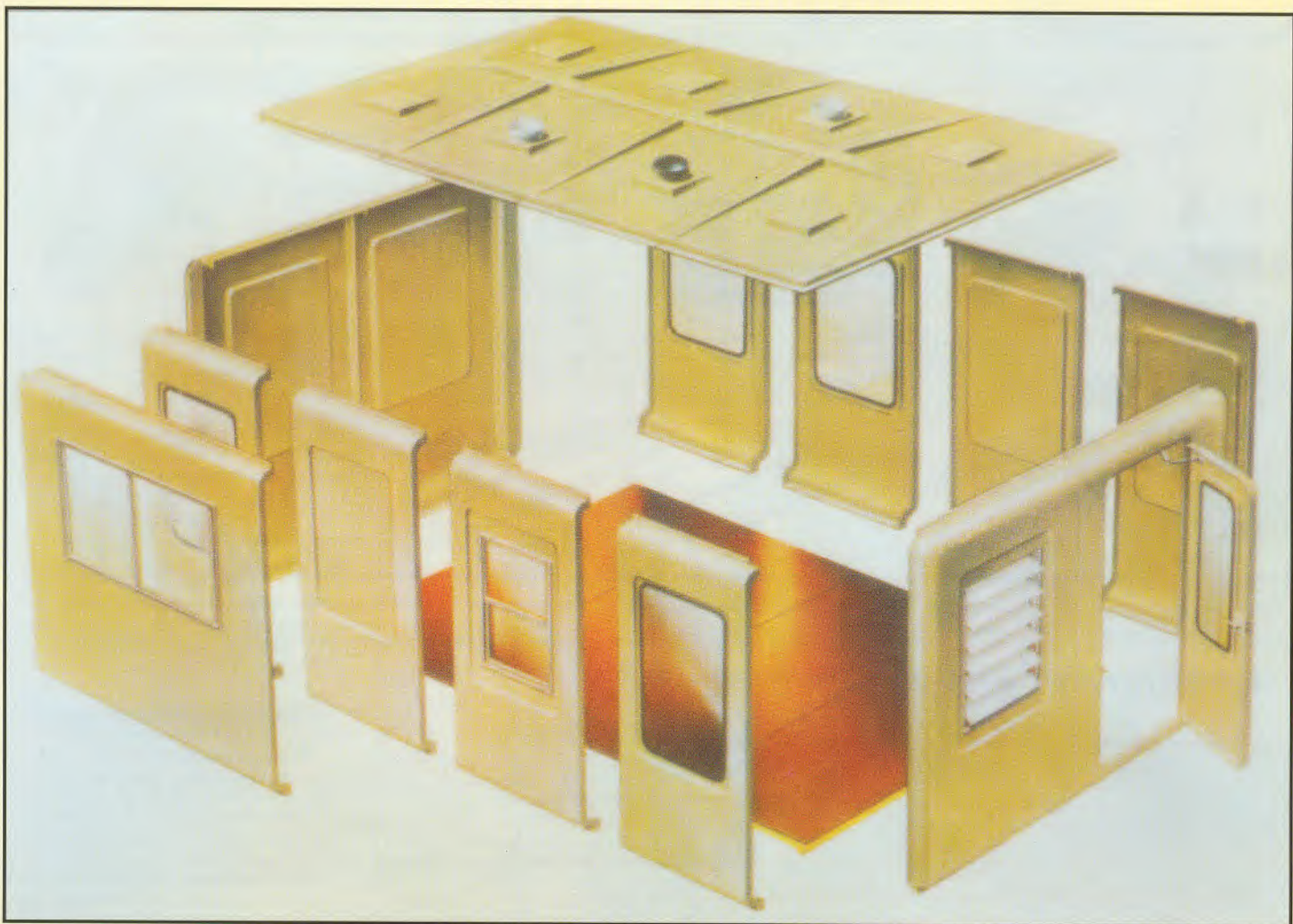
***Multipurpose, Modular Building System By Amiantit Oman***



أغراض متعددة  
مباني جاهزة  
من الوايبرجلاس

Multi Purpose  
**MODULAR  
BUILDINGS**

In (GRP)  
FIBREGLASS



**Amiantit Oman** Company LLC.

شركة **امياتنيت عُمان** ش.م.م

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ص.ب: ٤١٧، البريد المركزي  
الرمز البريدي : ١١١ - سلطنة عُمان  
هاتف : ٢٤٤٤٦٦٠٠ (٩٦٨)  
تلكس : ٥٣٠٠٤ امياتنيت - تلكس : ٢٤٤٦٦١١  
البريد الإلكتروني : amian@omzest.com  
www.amiantitoman.com



## 1.0 m Side Panels

PA 1



Blank  
with recess

PA 2



Glazed

PA 3



Louvred  
Window

PA 4



Vertical  
Sliding  
Window

PA 5



Door Blank

PA 6



Door Glazed

PA 7



Vertical Sliding  
Window + hood  
and inner liner

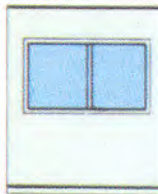
PA 8



Blank  
without  
recess

## 2.0 m Side Panels

PB 1



Horizontal  
Sliding  
Window

PB 4



Horizontal Sliding  
Window + hood  
and inner liner

PB 8



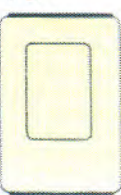
Blank  
without recess

### ADVANTAGES

- *Light in weight*
- *High in strength*
- *Water resistant*
- *Easy to install*
- *Can be supplied with*
- *Fire retardant resin*

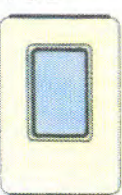
## 1.5 m End Panels

PD 1



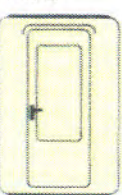
Blank  
with recess

PD 2



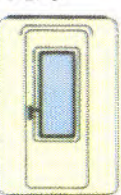
Glazed

PD 5



Door Blank

PD 6



Door Glazed



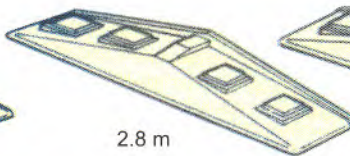
## Roofs



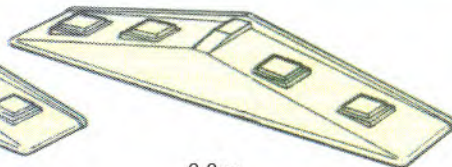
1.5 m



2.5 m



2.8 m



3.8 m

Fully insulated as standard

## Additional Features (Optional)

Ref.1 **Nest of three adjustable shelves**  
(810mm x 305mm)  
15mm white plastic coated chipboard.

Ref.2A **Worktop with lockable drawer**  
(810mm x 380mm)  
15mm white plastic coated chipboard.

Ref.2B **Worktop with lockable drawer**  
(1800mm x 380mm)  
15mm white plastic coated chipboard.

Ref.3 **Additional thermal insulation** 18mm  
fire retardent polyurethane foam.

Ref.4A **Electric light and power point.**  
Includes one 4ft 40 watt fluorescent  
light fitting wired integrally to fused  
switch box and 13 amp plug socket  
ready to receive mains supply.

Ref.4LF **Additional 4ft 40watt fluorescent  
light fitting.**

Ref.4PP **Additional 13 amp plug point.**

Ref.5 **Hit-and-Miss ventilator.**  
(230mm x 150mm). For low level  
ventilation to panels or doors.

Ref.6 **Electrically operated ventilators**  
suitable for roof or wall mounting.  
Extractor rate 260m<sup>3</sup>/hr.

Ref.7 **Manually operated clear acrylic double  
skin roof ventilator** (360mm x 360mm)

Ref.8 **Antisun Solar Control Glass** (Grey)

Ref.9 **Double glazing.** Hermetically sealed  
toughened glass.

Ref.10 **Obscure glazing.** Standard toughened  
glass, sandblasted.

Ref.11 **Electric fan convactor heater.**  
3kW, 3 speed, wall mounted, wired  
integrally to switched socket.

Ref.12 **External GRP shutters** for glazed  
areas.

Ref.14 **Additional timber reinforcement**  
within double skin GRP 18mm ply.

Ref.15 **Internal partitioning.** Twin 12mm  
plywood panels on 50mm x 38mm  
timber studding. Solid, glazed and  
door panels.

**External G.R.P. shelves** (400mm projection)



1.0m

Ref.18A



2.0m

Ref.18B

**External G.R.P. canopies** (700mm projection)



1.0m

Ref.19A



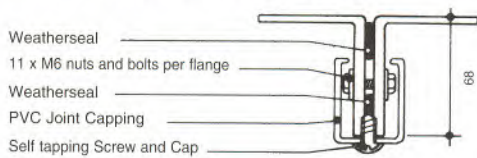
2.0m

Ref.19B

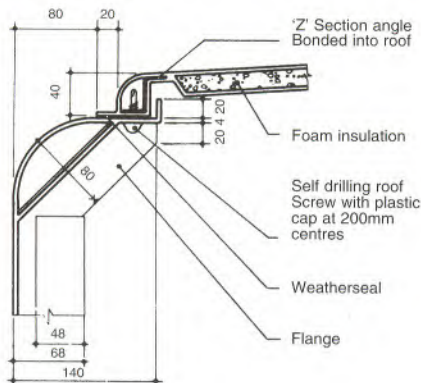
Length variable  
to suit panel  
widths



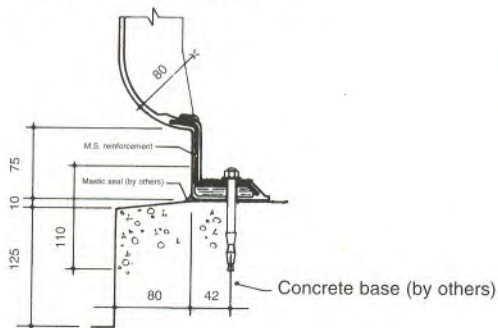
## Side Panel Fixing Detail



## Roof Fixing Detail



## Base Fixing Detail



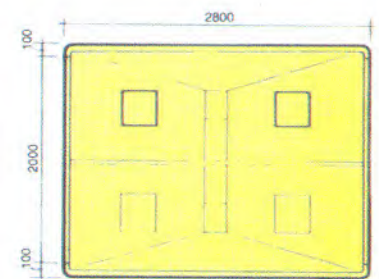
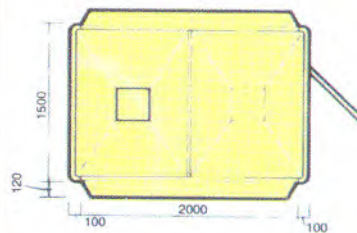
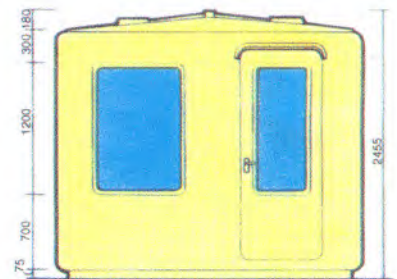
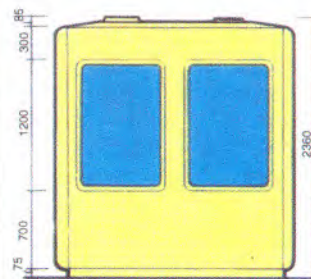
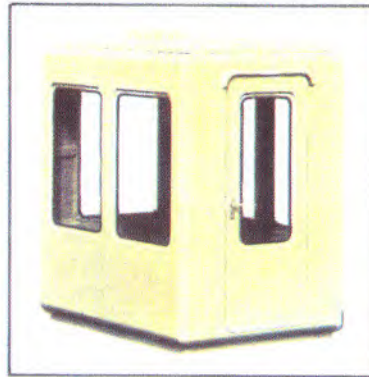
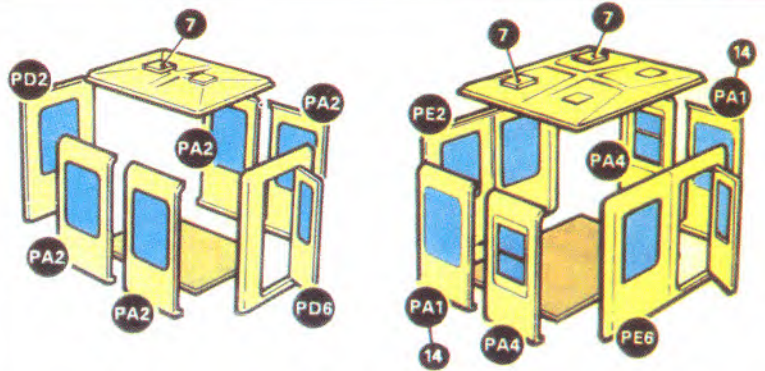
Base fixing accomplished by means of Torgrip 10 expansion bolts (see Additional features Ref. 17). Tensile force 9.0kN. Shear force 7.0kN. Ref: M10 x 110/S hot dipped galvanised Drill diameter: 10mm  
10mm holes to be drilled on site, through pre-drilled holes in kiosk base, to a minimum depth in the concrete base of 90mm  
2 no. for each 1m side panel  
3 no. for each 2.8m end panel  
4 no. for each 2.0m side panel

## Base Dimensions

Assuming no suitable existing surface, base to be a minimum thickness of a 125mm concrete on to hardcore, preferably base should be raised slightly above surrounding ground level.

### NOTE:

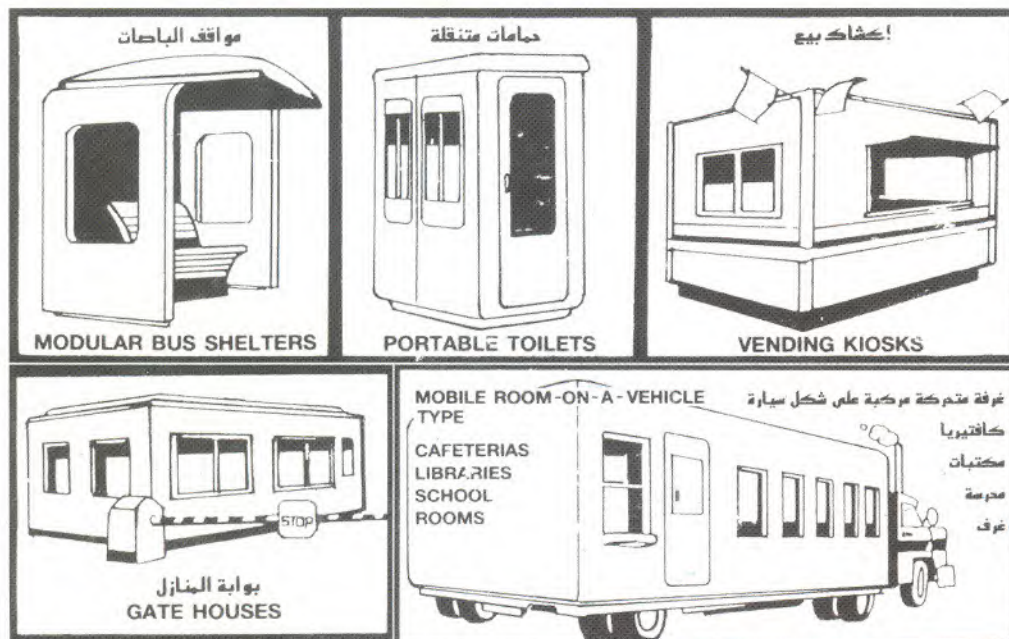
In accordance with our policy of continuous development and improvement we reserve the right to make changes in design and specification without notice. We reserve the right to amend our prices without notification.





# Technical Information

<b>Panel Make-up</b>	External finish GRP Laminate Internal finish	Isophthalic polyester pigmented resin (gelcoat) General purpose polyester resin and glass reinforcement Washable, pigmented resin coat.
<b>Glazing</b>	Fixed window, Door window Sliding window Display glazing - 1m, 1.5m panels Display glazing - 2m, 2.8m panels	4mm toughened glass secured in rubber gasket 4mm toughened glass in aluminium frame 6mm plate glass secured with aluminium frames 10mm plate glass secured with aluminium frames
<b>Alternative Galzing</b>	6mm Georgian wired glass Double glazing (Hermetically sealed). (Ref. 9) Antisun solar control glass (Grey). (Ref. 8)	Available as an alternative in fixed glazed sections only (with rubber gasket) Available in fixed glazed sections only (with rubber gasket) Available for any glazing
<b>Insulation</b>	'U' value (standard panel) Additional thermal insulation (optional) 'U' value (where additionally insulated)	1.0 BTU/ft <sup>2</sup> °F (5.6W/m <sup>2</sup> °C) 18mm fire retardant polyurethane foam 0.2 BTU/ft <sup>2</sup> °F (1.12W/m <sup>2</sup> °C)
<b>Timber Reinforcement</b>	18mm plywood between GRP skins 18mm plywood between GRP skins 18mm plywood between GRP skins. (Ref.14)	Lower half of all panels as standard PA8, PB8, PC8, PD8, and PE20 over entire area as standard Upper and lower sections of blank panels, where additional reinforcement specified by client
<b>Doors</b>	Standard Door  Alternative Standard Door (2.8m panel) Extra wide Door Roller shutters to door and window openings	750mm width. Right hand hung, outward opening All standard external doors fitted with door closer and check strap Left hand hung and/or inward opening Situating in right hand half of panel only 1075mm width (1.5m panel only) Extruded PVC metal reinforced Alternative anodised aluminium
<b>Roofs</b>	Unit width 1m, 1.5m, 2.5m, 2.8m, 3.8m	Roof made up in 1m sections
<b>Floor panels</b>	Normally not supplied	Concrete base to act as the building floor. Floor finishes can be provided to client's specification at extra cost
<b>Standard Electrics (Ref.4A)</b>	Socket Circuit Light Circuit Power Supply	One 13 amp 3 pin socket outlet One 4ft fluorescent light fitting wired to 5 amp fuse through rocker switch. Two way consumer unit with 30 amp and 5 amp fuse. All wiring carried out with surface mounted 20mm plastic conduit. Connection to mains supply through base of building by others.
<b>Colours</b>	Standard production colour alternative colour of customers' choice Internal finish	Beige BS 2600 range, 4048 (Nearest equivalent BS 4800 10 B 17) Available at additional cost Beige Portaflek (Fire rating BS 476, Parts 6 and 7 Class 1) Or pigmented resin flocoat.
<b>Weights</b>	Examples:	1m x 1.5m unit - 215 Kg (473 lbs) 2m x 1.5m unit - 450 Kg (990 lbs) 2m x 2.8m unit - 550 Kg (1120 lbs) 4m x 2.8m unit - 1014 Kg (2230 lbs)
<b>Sound Reduction</b>	Average Sound Reduction of a typical unit	10-15 dB in the 100-5000 cps, range
<b>Fire Reduction (optional)</b>	Fire retardancy (resin) Fire retardancy (gelcoat) For special applications a Class 1 gelcoat may be used	BS 476 Part 3, 5, 6 and 7 1971. Surface spread of flame Class 1 Class 2 of the above BS specifications
<b>Wind Loading</b>		Wind loading/unglazed panels - approximately 6.000N/m <sup>2</sup> Wind loading/glazed panels - approximately 3.000N/m <sup>2</sup>
<b>Availability</b>	Average manufacturing time required	Approximately 4-8 weeks



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