

OUTDOOR HOUSING



THE HOUSING CONFIGURATION PICTURED ABOVE IS PROVIDED AS AN EXAMPLE ONLY.

The housing shown above was manufactured for a telecommunications company for use in a remote area of the Australian Outback. The prime objectives were to house two air-conditioned MFB industrial cabinets within another enclosure to prevent entry by vandals, vermin, dust, moisture and heat. To-achieve this the Outdoor Housing was designed and manufactured by MFB and matched to the two MFB cabinets.

13mm diameter mounting holes are provided in the feet, lifting eyes project through the weather top and it may be lifted by fork lift under the main body without fear of damage to the unit.

NOTES:

These units are constructed to individual requirements, wherever possible incorporating existing components. All designs are maintained on CAD so they can be readily reproduced.



The outer housing provides primary weather protection, preventing driven dust and rain from reaching the inner cabinets, which are rated to IP55. This ensures maximum weather protection.

Both the inner and outer housings independently provide high levels of vandal protection. The outer housing also protecting against vermin.

The inner housing is made up of two 27 RU x 600mm deep Industrial cabinets bayed together and fitted with an air-conditioner on one end to maintain an even temperature inside.

All of the inner cabinet doors are equipped with positive lock braces to hold them open, the upper side covers are also secured by braces when open and provide rain and sun protection for operators. When closed they secure the lower covers and are locked by padlocks at each end.

The air-conditioner service door lock can only be accessed from inside, after opening the side cover.

The outer housing has a fully welded heavy gauge square steel tube frame with a hot dip galvanised finish.

The panels are constructed in 2.0mm galvanneal steel finished with white baked enamel, the colour being chosen to reflect heat. Further, the concept of a cabinet within a cabinet with an air gap between them ensures minimal heat transfer into the inner cabinets.

All panel hinges are constructed with nylon bushes and stainless steel pivots and all panels are one piece construction fully welded.

These features are incorporated into the design to minimise potential rust outbreaks and they typify the MFB attention to detail.