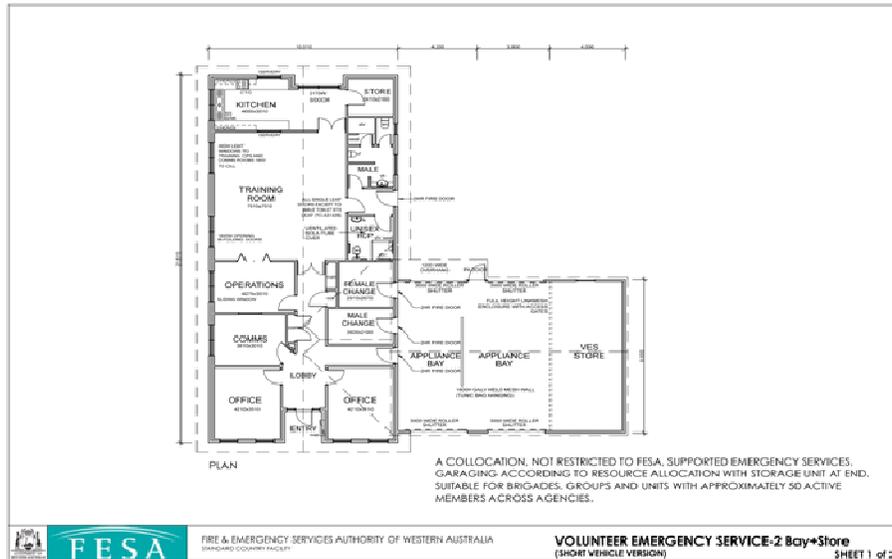


## FESA STANDARD DESIGNS FOR OPERATIONAL FACILITIES “Footprints”

### What are they?

The Fire and Emergency Services Authority (FESA) has developed a suite of 14 drawings and illustrations commonly called ‘footprints’, for emergency service facilities. They provide varied accommodation options for volunteer and career emergency services and provide flexibility to meet the needs of the different combinations of FESA supported services



Typical footprint example

The individual designs represent an accumulation of knowledge gleaned from past construction projects plus collective input from operational personnel (career and volunteer) and post occupancy feedback regarding the functional effectiveness of previous designs to deliver fit for purpose facilities.

### Why do we need them?

Historically, the planning component of capital works projects for new/replacement volunteer buildings (Fire and Rescue Service, Bush Fire Service, State Emergency Services, and collocations) has involved extended and protracted negotiations with stakeholders regarding size, design and functionality. This has resulted in significant escalation in costs and delays in completed projects.

The ‘facility footprint’ concept was developed to:

- Provide designs to support Emergency Services Levy grants application and capital works processes;
- Simplify and streamline the planning phase;

- Contain costs associated with building design, architectural inputs and tender specifications;
- Deliver buildings that are fit for purpose;
- Provide parity of standards for facilities between units and services; and
- Improve transparency of decision-making.

The footprints will enable Local Governments, FESA and volunteer units to identify a building type that is fit for purpose. Aside from architectural/quantity surveying costs, footprints will also assist in managing escalating building costs.

### **Scope**

To date footprints have been designed for Bush Fire Service (BFS), State Emergency Service (SES), Collocations and Fire and Rescue Service (FRS) facilities. As Volunteer Marine Rescue Services (VMRS) groups continue to develop and expand they will require suitable facilities and these will be planned according to their specific needs and ability to collocate with other services.

The current footprints include the following designs;

- Seven Bush Fire Brigade (BFB) sheds in various designs ranging from one bay to six bays.
- One Collocation Facility design for any mix of SES, BFB and VFRS with the possibility of VMRS inclusion. The garaging of resources expanded / contracted according to allocated resources
- Two Career Fire & Rescue Service stations (one metropolitan and one country) based upon the Kalgoorlie and Belmont models.
- One SES facility with scope for flexibility in garaging according to resources allocated (proposed Busselton model). This design has the flexibility to scale up to accommodate an SES Unit that consistently maintains in excess of approximately 50 active members when planning a new facility.
- Two facilities suitable for and Volunteer Emergency Service (VES) units (also suitable for smaller State Emergency Service (SES) units). VES Units' facilities are upgraded on a needs basis and could utilise the appropriate BFB shed or FESA collocation design as required.
- One Volunteer Fire Station based upon the Merredin model.

## **Guidelines for Using the Footprints**

Key points to note about the facility footprints include:

1. Minor adaptations to the designs may be accommodated provided they do not result in overall cost increases. This flexibility considers the option to separate garaging/parking bay facilities.
2. The footprint includes floor plan and artists illustrations. Designs accommodate construction in different environments e.g. suburban, rural, and industrial. Designs will need to incorporate Local Government by-laws, regulations, etc.
3. Design is scalable to reflect active membership numbers.
4. Facility specification is determined according to unit profile.
5. Footprints will be made available to Local Governments/volunteers to inform and support capital grant applications.
6. Costs are not provided as these will fluctuate over time and will vary from region to region e.g. the Kimberley/ South West/ Metropolitan area. However, costs will be obtained by FESA from Building Management and Works on a case-by-case basis to determine regional weightings and to support the Capital Grants Committee in its determinations.
7. The designs reflect the total area of construction. However, building heights can vary but are linked to the size of the garage doors that are a minimum 3.6 metres in height.

## **Comments and Suggestions**

Service Delivery and Planning Branch welcome comments and feedback regarding these Standard Designs for Operational Facilities.

These can be forwarded via Email or written submissions to;

**Email**      [SDPB@fesa.wa.gov.au](mailto:SDPB@fesa.wa.gov.au)

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