

DEVELOPMENT ASSESSMENT SERVICE

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APPLICATION

DAS 07

**REGULATION 28(3) PERFORMANCE SOLUTION
 ASSESSMENT REPORT / PLAN APPRAISAL**

Billing Name & Address	Name:	Signature:
	Address:	

*Application is not complete until the above is signed to accept the responsibility for payment of all fees

Applicant:	Name:		Signature:	
	Address:			
Premise:	Name:	Lot No.	Sect No.	Hundred No.
Premise:	Street:		Suburb:	
Council Area:				
Approving Authority:			Contact: Phone:	
Consultant			Contact: Phone:	
Engineers			Contact: Phone:	
Architects:			Contact: Phone:	
Building Classification:			Type of Construction:	
Total floor area:			Total Volume:	
Rise in storeys:			Effective Height:	

The following documents have been relied upon for assessment:

Specification(s)	Fire Engineering Report	<input type="checkbox"/>
	Fire Services Specification	<input type="checkbox"/>
Drawing No's	Fire Services Drawings	<input type="checkbox"/>
	Mechanical Services Drawings	<input type="checkbox"/>
	Electrical Services Drawings	<input type="checkbox"/>
	Civils Drawings	<input type="checkbox"/>
	Architectural Drawings	<input type="checkbox"/>
Referral Documents	Copy of the Development Plan Consent	<input type="checkbox"/>

Regulation 28 (3) (a) - PROPOSED PERFORMANCE SOLUTIONS

Proposed Performance Solutions requiring assessment against a Performance Requirement:

No.	Relevant Performance Requirement(s)	Relevant Deemed-to-Satisfy Provision(s)	Proposed Performance Solution
Brief description of Performance Solution			
Assessment Methods			

Regulation 28 (3) (b) – IMPACT ON FIRE FIGHTING OPERATIONS***Proposed variances with a performance requirement:***

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Regulation 28 (3) (c) – HAZARDOUS CONDITIONS***Are provisions for special hazards necessary:***

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For Farm Buildings less than 2,000m² and 12,000m³ being assessed under Minister's Specification SA H3.2 there is no need to complete the remainder of this application.

For all other types of buildings the Applicant is required to continue and complete all the remaining items of this application.

For all other buildings with more than one Alternative Solution, Variance or Hazard, you are requested to list in the above boxes your attachments. All subsequent Alternative Solutions, Variances or Hazards must be presented using the above format.

<u>Construction Details</u>	
C1.1	Does the construction comply with Specification C1.1?
C1.11	Does the wall design avoid outward collapse during fire?
C2.2	Is the floor area within prescribed limitations?
C2.3	Is this a large isolated building?
C2.4	Are open spaces / fire vehicles access OK? (18m – Non sprinklered) (6m – Sprinklered)
C2.5	Are fire and smoke compartments OK? (9a & 9c only)
C2.8	Is separation of classifications OK?
C3.2	Is protection of openings in external walls OK?

C3.4	Are sprinklers used for fire protection / separation?	
C3.11	Is the bounding construction OK? (Class 2, 3, & 4 buildings) & (SAFS Guideline #9 Detection)	
<u>Egress</u>		
D1.4	Do the travel distances comply?	
D2.20	Door swings comply?	
D2.23	Are signs on fire and smoke doors <i>required</i> and is appropriate?	
<u>Fire Fighting Equipment</u>		
E1.3	Are fire hydrants <i>required</i> ? (Total floor area over 500m ²)	
	Has an SA Water flow test been obtained?	
	Is it proposed to use street plugs? (NOTE: SAMFS Guideline #11)	
	Are on-site feed hydrants utilised?	
	Number of unassisted feed hydrants <i>required</i> to flow 10L/s @ 200kPa:	
	Are external hydrants located 10m away from the building?	
	Are radiation barriers in accordance with AS2419.1 proposed?	
	Is a fire brigade booster <i>required</i> ?	
	Number of internal hydrants <i>required</i> to flow 10L/s @ 700kPa:	
	No. of 64mm diameter inlets proposed:	
	No. of 64mm diameter hydrants proposed:	
	Is a combined hydrant & sprinkler system proposed?	
	Combined sprinkler & hydrant flow rate:	
	Is a diesel pump <i>required</i> ? (NOTE: AS2419.1-2005 Clause 2.3.2)(SAMFS Policy #6 Pump Controls)	
	Is an electric pump <i>required</i> / proposed?	
	Are tanks <i>required</i> ? (NOTE: SAFA Policy #14 Above Ground Tanks)	
	Effective (static) tank capacity:	Quantity (kL):
		Supply duration (mins):
	Are automatic tank infill facilities provided?	
	Number of 150mm, 125mm & 100mm diameter tank suction connections provided:	
E1.4	Are hose reels <i>required</i> ?	
E1.5	Are sprinklers <i>required</i> ? (Building over 25m high, Large Isolated Building, Class 6 over 3,500m ² or 21,000m ³ , 7a, 9b, 9c, Atriums, Occupancy of Excessive Hazard)	
E1.6	Are portable fire extinguishers <i>required</i> ?	

E1.8	Is a Fire Control Room <i>required</i> ? (Building over 25m high, Class 6, 7, 8 or 9 over 18,000m ²)	
<u>Smoke Hazard Management</u> (SAFS Guideline #20 ESFR & Smoke Extraction)		
E2.2	Do Tables E2.2a or E2.2b require provisions be installed?	
	Is sandwich/zone pressurisation to AS1668.1 utilised?	
	Is an exit pressurisation system to AS1668.1 <i>required</i> ?	
E2.3	Are extra smoke hazard management measures necessary?	
Specification E2.2a 'Smoke Detection and Alarm Systems'		
	Is a fire detection system <i>required</i> ?	
	Conventional or Addressable?	
	Is Fire Service monitoring <i>required</i> ?	
	Is non-Fire Service monitoring proposed?	
	Is ducted mechanical exhaust provided to cooking and bathroom areas? (Class 2, 3 & 4)	
	Will a sound pressure level of 75dB(A) be achieved at the pillow? (Class 2, 3 & 4)	
Specification E2.2b 'Smoke Exhaust Systems'		
	Is mechanical exhaust utilised per Specification E2.2b?	
	Smoke reservoir not to exceed 2,000m ² and 60m in length for Class 6 malls. Minimum baffle depth 500mm	
	Is the exhaust rate in accordance with Specification E2.2b?	
	Exhaust rate proposed for each reservoir?	
Specification E2.2c 'Smoke-and-Heat Vents'		
	Is natural smoke venting utilised per Specification E2.2c?	
	Are smoke-and-heat vents utilised to AS2665?	
	Make-up air from ?	
<u>Lift Installations</u>		
E3.2	Is a lift stretcher facility <i>required</i> ? (Lift serving any storey above an effective height of 12m)	

<u>Sound & Intercommunication Systems for Emergency Purposes</u>	
E4.9 Is a sound and intercommunication system for emergency purposes <i>required?</i>	
E3.4 Are emergency fire lifts <i>required?</i> (Building over 25m, 9a <i>patient care areas</i> on levels without direct access to a road or open space)	
<u>Miscellaneous</u>	
G3.8 Are fire/smoke control systems in atriums <i>required?</i>	
H1 Does the building contain a theatre, stage or public hall?	
H1.2 Is a sprinkler system in accordance with E1.5 proposed, or is a proscenium wall in accordance with H1.3 proposed?	
SA I1.1 Are there any specific requirements that need to be listed on the Essential Safety Provisions (ESP) schedule?	

Completed form must be forwarded to:

das@cfs.sa.gov.au

Enquiries regarding this application please contact the
Development Assessment Service on
(08) 8115 3372