



Re: (Q0327)- Childcare Projects

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## QUOTATION

### 1. TENDER FORM:

<b>To:</b>	Felix Ye	<b>From:</b>	Ash Fire Solutions
<b>email:</b>	<a href="mailto:felix@pcen.com.au">felix@pcen.com.au</a>	<b>Pages:</b>	3
<b>Company:</b>	Premium Consulting Engineers Pty Ltd	<b>Date:</b>	23/02/2024

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Hi Felix,

We are pleased to provide you with our fee proposal for the “573 Old Northern Rd, Glenhaven” and “13-15 Birch Ave, Casula” projects:

Basis of Quotation:

- Architectural plans
- Bushfire Assessment Report

Assumption:

Below items to be provided for ASH fire as input

- BCA report will be provided as input along with fire engineering report for both projects.
- Set up of cad file of architect layout
- Other service layouts
- Town aamin flow pressure

### Pre-School Old Northen Road, Glenhaven

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In accordance with NCC,E1D2-(a), Fire hydrant is required as the building total floor area is more than 500 sqm.

As per our measurement, main building is around 560sqm including terrace areas however this shall be confirmed by BCA/ PCA. Also there is clad metal house that needs to be confirmed by BCA whether



floor area of that building ( 165 sqm is needed to be added to main building or it can be act as separate and no need hydrant and hose reel protection for it)

As per Bush fire report, existing in ground hydrants are available along Old Northern Road and surrounding streets for the replenishment of attending fire services. However as per our quick check , street hydrant cannot achieve hydrant coverage for whole building. This is required to be included in FER to have three hoses or need to be clarified by bush fire assessment that to which level they want coverage.

According to E1D3-(2a), Fire hose reels are required as project has internal fire hydrant.

According to E1D11 Exemption (a), Fire sprinkler system is not required for this building as it is one storey with direct egress to open space.

According to E1D14-(3), Portable fire extinguishers are required.

According to E2D20-(3) fire detection and alarm system are required for childcare.

### **13-15 Birch Ave, Casula**

In accordance with NCC and the total floor area of the buildings (two storeys and basement which is greater than 500sqm):

According to E1D2-(a), Fire hydrant is required as the building total floor area is more than 500.

According to E1D3-(2a), Fire hose reels are required as project has internal fire hydrant.

According to E1D11 -(2a), this clause stipulates sprinkler protection is required for throughout the whole building with exception of a rise in stories of not more than 2, where the Class 9b early childhood center is the only use in the building. From our understanding, rise in story is 2 however there is two uses for this building class 9b and 7a and sprinkler protection is required. But please confirm with certifier whether sprinkler protection is required or not. That can impact spatial of this building ( due to high water demand requirement).

According to E1D14-(3), Portable fire extinguishers are required.

According to E2D20-(3) fire detection and alarm system are required for childcare.

### **PROJECT SPECIFIC INCLUSIONS, EXCLUSIONS AND CLARIFICATIONS**

#### **INCLUSIONS**

The work includes the following:

- Liaising with the certifier (BCA consultant) and fire engineering (if required) for the fire protection requirements.
- Spatial and PDF markups (allowance for two submissions).
- **For Old Northern Road:** Design of the *fire hydrants, fire hose reels, portable fire extinguishers, fire detection and alarm systems* to NCC 2022 and referenced codes (allowance for two submissions and to D&C Tender issue 70%). Refer to above for confirmation with BCA.
- **For 13-15 Birch Avenue, Casula:** Design of the *fire sprinkler, fire hydrants, fire hose reels, portable fire extinguishers, fire detection and alarm systems* to NCC 2022 and referenced codes (allowance for two submissions and to D&C Tender issue 70%). Refer to above for confirmation with BCA.
- Fire hose reel layout will be provided for hose reel coverage and location only but connection to water meter and the pipework will be designed by Hydraulic designer and outside of this scope of work
- The first submissions will be in pdf markup and second submission in CAD respectively.



- Design certificate for D&C documentation will be included.

#### **EXCLUSIONS AND CLARIFICATIONS**

- We have assumed the proposed design will be as per NCC 2022.
- We have assumed the pressure and flow statement will be provided by Premium Consulting Engineers.
- Fire hose reel pipework, water supply, connections and meters are excluded and will be in Hydraulic scope of work.
- No allowance has been considered for the meetings and site inspection.
- We have assumed there are no EV charging stations in the proposed-on grade carpark design.
- Approved for Construction and all associated works or Issued For Construction, Workshop drawings, O&M and testing and commissioning are excluded.
- Review and submission of AFC (or IFC), construction drawings and workshop drawings are excluded.
- Design co-ordination will be done as part of D&C documents.
- Any changes to the design as a result of any changes such as authorities (i.e. FRNSW) that impact the fire protection system design will be charged as variation.
- Revit/ 3D Modelling has been excluded.
- It is assumed project architects will provide background Autocad files for all services design use.
- We note the Bushfire Assessment Report was carried out based on NCC 2019, and we recommend the report to be updated based on the requirements of NCC 2022. Any changes to the fire protection design as a result of update in the Bushfire Assessment Report will be charged as variation.
- Fire Specification as a separate file will be excluded. Notes will be provided on the drawings.

## **2. PRICING:**

### **PRICING SUMMARY:**

- The fee for this work is: **\$10,000 + GST**

Best Regards,

Ashfire Team