

Form 16—Inspection Certificate/Aspect Certificate/QBCC Licensee Aspect Certificate

NOTE: This form is to be used for the purposes of section 10(c) and 239 of the *Building Act 1975* and/or sections 32, 35B, 43, 44 and 47 of the *Building Regulation 2006*.

1. Indicate the type of certificate The stages of assessable building work are listed in section 24 of the Building Regulation 2006 or as conditioned by the building certifier. An aspect of building work is part of a stage (e.g. waterproofing).	✓ Inspection Certificate for FIRE HYDRANTS FLOW & PRESSURE Stage of building work (for single detached class 1a or class 10 building or structure) (indicate the stage) _____ Aspect of building work ✓ HYDRANT & PUMP FLOW & PRESSURE _____ QBCC Licensee Aspect Certificate Scope of the work Scope of the work covered by the licence class under the <i>Queensland Building and Construction Commission Regulation 2003</i> for the aspect being certified, e.g. scope of work for a waterproofing licence is “installing waterproofing materials or systems for preventing moisture penetration”. An aspect being certified may include “wet area sealing to showers”. <table border="1"> <tr><td>HYDRANTS AND PUMP FLOW AND PRESSURE</td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>	HYDRANTS AND PUMP FLOW AND PRESSURE											
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LOCAL GOVERNMENT USE ONLY

DATE RECEIVED	REFERENCE NUMBER/S
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4. Description of component/s certified Clearly describe the extent of work covered by this certificate, e.g. all structural aspects of the steel roof beams.	FLOW & PRESSURE TESTING ON HYDRANT AND FIRE PUMP FOR COMPLIANCE 	
5. Basis of certification Detail the basis for giving the certificate and the extent to which tests, specifications, rules, standards, codes of practice and other publications, were relied upon.	AS PER BUILDING APPROVAL AND NCC AS2419 2005 SECTION 10 AS WELL AS AS2941 	
6. Reference documentation Clearly identify any relevant documentation, e.g. numbered structural engineering plans.	DOCUMENTS CONTAINED IN THE DEVELOPMENT APPROVAL 	
7. Building certifier reference number and development approval number	Building certifier reference number 	Development approval number
8. Building certifier, competent person or QBCC licensee details A competent person must be assessed as competent before carrying out the inspection. The builder for the work cannot give a stage certificate of inspection. A competent person is assessed by the building certifier for the work as competent to practice in an aspect of the building and specification design, because of the individual's skill, experience and qualifications. The competent person must be registered or licensed under a law applying in the State to practice the aspect. If no relevant law requires the individual to be licensed or registered, the certifier must assess the individual as having appropriate experience, qualifications or skills to be able to give the help. If the chief executive issues any guidelines for assessing a competent person, the building certifier must use the guidelines when assessing the person.	Name (in full) NFC Fire Safety Company name if applicable Lonebrook P/L Contact person Neil Smith Phone no. (business hours) 0754914695 Mobile no. 0417555985 Fax no. 0754914615 Email address Nfcfire@gmail.com Postal address 9 Elonera St Currimundi Postcode 4551 Licence class FIRE CERTIFIER Licence number 82161 Date approval to inspect received from building certifier 12 th JULY 2019	
9. Signature of building certifier, competent person or QBCC licensee Note: A building certifier must sign this form for temporary swimming pool fencing under section 4 of Schedule 1 of QDC MP 3.4.	Signature  Date 12 th JULY 2019	

Form 71—fire hydrant commissioning

This form is to be used for the purposes of commissioning water based fire safety installations, as required by the Queensland Development Code – Mandatory Part (MP) 6.1, which is a building assessment provision under the *Building Act 1975*, section 30. This form is also to be used in accordance with the 'Fire hydrant and sprinkler system commissioning and periodic maintenance procedure', defined in MP 6.1 as the 'Relevant procedure'. Please note that this form does not comprise all testing requirements for commissioning—this form is only for collecting results of testing for some sections of the Australian Standards referred to and in each case, further testing is required.

Part A—Test details						
Site name	RESIDENTIAL DEVELOPMENT					
Site address	CNR TENBY & VIRGIL ST MT GRAVATT					
Contractor	NFC FIRE SAFETY					
Testing details	Test date: 12 TH JULY 2019			Commissioning test: fire hydrant ☒ fire sprinkler ☐ combined ☐		
	Time: 0700					
Part B—Hydrant hydrostatic test PASS ☒ FAIL ☐						
Refer to the required pressure specification for commissioning as per AS2419.1.						
Boost pressure	1100	Test pressure	1700 kPa			
Duration of test	120 MINUTES	End of test pressure		Loss (if any):	NIL	
Comments: COMPLETED PREVIOUSLY						
Part C—Hydrant test equipment/pressure gauges						
If using more devices, provide details in the Notes section below or complete another form. The correction factor must be kPa or a percentage.						
Flow measuring device	Mechanical ☒ Calibrated: 10/2011					
	Device/gauge 1	Device/gauge 2	Device/gauge 3	Device/gauge 4		
Serial number	M1104 /11-01643	M1104 / 11 -01642				
Date calibrated	2011	2011				
Correction certificate						
65/100/150 mm face	100	100				
Digital reader						
Increments (kPa)	10	20				
Part D—Hydrant system flow test PASS ☒ FAIL ☐						
This part relates to section 10.3 of AS2419.1. If pressure/flow rates do not meet the fire system design criteria and there are no on-site problems, contact the relevant water service provider to ascertain if there are any problems with the water system network. In the table below, please record the pressure readings obtained during the hydrant system flow test.						
Hydrant 1 location	MOST DISADVANTAGED HYD TOP OF STAIRS		Hydrant 3 location			
Hydrant 2 location			Hydrant 4 location			
System requirements	10L/s @	700 kPa	Static pressure	700 kPa		
On-site pump set installed (both)	Yes ☒					
Pressure zone number:	Size/flow rate	Hydrant 1	Hydrant 1	Hydrants 3	Hydrants 4	TOTAL FLOW
Other portable testing devices	10L/s	700 kPa	kPa		kPa	10 L/s
		kPa	kPa	kPa	kPa	L/s
		kPa	kPa	kPa	kPa	L/s
		kPa	kPa	kPa	kPa	L/s
		kPa		kPa	kPa	L/s
System achieved: 5 L/s @ 900 kPa FIRE PUMP ASSISTED						

Part E—Pump appliance booster test				PASS ☒		FAIL ☐	
This part relates to sections 10.4 and 10.5 of AS2419.1. If pressure/flow rates do not meet the fire system design criteria and there are no on-site problems, contact the relevant water service provider to ascertain if there are any problems with the water system network. In the table below, please record the pressure readings obtained during the pump appliance booster test.							
Hydrant locations	AS ABOVE			Height of highest hydrant above booster		15m	
System requirements	10L/s @ 700 kPa	Static pressure		700			
Pump inlet pressure	200 kPa	Pump discharge pressure		1100 kPa			
Boost pressure	910	Calculated frictional loss		30 kPa			
Comments:							
Part F—Sprinkler hydrostatic test				PASS ☐		FAIL ☐	
Relevant required pressure specification in AS2118.1, AS2118.4 and AS2118.6.							
Pressure	kPa		Time held		mins		
Comments: N/A							
Part G—Sprinkler system flow test							
This section is to be used for sections 4.14 of AS2118.1-1999, 4 of AS2118.6-2012 and 6.2 of AS2118.4-2012. Notes: (1) For AS2118.1 and AS2118.6 systems, multiple testing points may be required. (2) For AS2118.4, a simulated running test may be required for systems without a flow measuring device, in which the test involves opening a valve to discharge a volume of water that is accepted as being in excess of the design flow. System test points shall be noted for each different system and its location and descriptor.							
	System specifications (block plan):			Test results:			
Test point 1	Location						
	Required flow rate	L/min	Pass ☐ Fail ☐		L/min		
	Required pressure	kPa	Pass ☐ Fail ☐		kPa		
Test point 2	Location						
	Required flow rate	L/min	Pass ☐ Fail ☐		L/min		
	Required pressure	kPa	Pass ☐ Fail ☐		kPa		
Running test	Installation gauge pressure: kPa						
Comments: N/A							
Part H—Compliance							
Critical defects identified	Yes ☐	Give owner/occupier a critical defect notice					
	No ☒	No action required in relation to critical defects at this time					
Repairs/corrective actions taken	Yes ☐	Attach details (including action and date taken) as part of Licensee's report					
	No ☒	No action required in relation to repairs/corrective actions at this time					
System	Pass ☒						
	Fail ☐						
By signing this Form 71, I confirm that the information contained herein is correct to the best of my knowledge given the information available and that this Form 71 has been completed in accordance with the relevant standards, codes and regulations.							
Licensee name	NFC FIRE SAFETY		Licensee report no.		#19337		
Licence no. (QBCC/PIC)	82161		Licensee signature				

Form 16—Inspection Certificate/Aspect Certificate/QBCC Licensee Aspect Certificate

NOTE: This form is to be used for the purposes of section 10(c) and 239 of the *Building Act 1975* and/or sections 32, 35B, 43, 44 and 47 of the *Building Regulation 2006*.

1. Indicate the type of certificate

The stages of assessable building work are listed in section 24 of the Building Regulation 2006 or as conditioned by the building certifier.
An aspect of building work is part of a stage (e.g. waterproofing).



Inspection Certificate for

Stage of building work (for single detached class 1a or class 10 building or structure)

(indicate the stage)



Aspect of building work

FIRE HOSE REELS

QBCC Licensee Aspect Certificate

Scope of the work

Scope of the work covered by the licence class under the *Queensland Building and Construction Commission Regulation 2003* for the aspect being certified, e.g. scope of work for a waterproofing licence is "installing waterproofing materials or systems for preventing moisture penetration". An aspect being certified may include "wet area sealing to showers".

FIRE HOSE REEL FLOW TEST

2. Property description

The description must identify all land the subject of the application.

The lot and plan details (e.g. SP/RP) are shown on title documents or a rates notice.
If the plan is not registered by title, provide previous lot and plan details.

Street address (include no., street, suburb/locality and postcode)

CNR TENBY ST & VIRGIL

MT GRAVATT QLD

Postcode: 4122

Lot and plan details (attach list if necessary)

LOT 9 ON RP73863

In which local government area is the land situated?

BRISBANE

3. Building/structure description

Building/structure description

Residential building

Carpark

Class of building/structure

Class 2

Class 7a

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DATE RECEIVED

REFERENCE NUMBER/S

4. Description of component/s certified

Clearly describe the extent of work covered by this certificate, e.g. all structural aspects of the steel roof beams.

FLows FROM HOSE REELS AS PER AS 2441 PART 10

5. Basis of certification

Detail the basis for giving the certificate and the extent to which tests, specifications, rules, standards, codes of practice and other publications, were relied upon.

BUILDING WORKS PERMIT

NCC 2016 VOLUME 1

AS2441

6. Reference documentation

Clearly identify any relevant documentation, e.g. numbered structural engineering plans.

DOCUMENTS AS PER BUILDING APPROVAL

7. Building certifier reference number and development approval number

Building certifier reference number

Development approval number

8. Building certifier, competent person or QBCC licensee details

A **competent person** must be assessed as competent before carrying out the inspection.

The builder for the work cannot give a stage certificate of inspection.

A competent person is assessed by the building certifier for the work as competent to practice in an aspect of the building and specification design, because of the individual's skill, experience and qualifications. The competent person must be registered or licensed under a law applying in the State to practice the aspect.

If no relevant law requires the individual to be licensed or registered, the certifier must assess the individual as having appropriate experience, qualifications or skills to be able to give the help.

If the chief executive issues any guidelines for assessing a competent person, the building certifier must use the guidelines when assessing the person.

Name (in full)

NFC Fire Safety

Company name if applicable

Lonebrook P/L

Contact person

Neil Smith

Phone no. (business hours)

0754914695

Mobile no.

0417555985

Fax no.

0754914615

Email address

Nfcfire@gmail.com

Postal address

9 Elonera St

Currimundi

Postcode 4551

Licence class

FIRE CERTIFIER

Licence number

82161

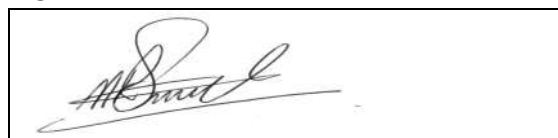
Date approval to inspect received from building certifier

12th JULY 2019

9. Signature of building certifier, competent person or QBCC licensee

Note: A building certifier must sign this form for temporary swimming pool fencing under section 4 of Schedule 1 of QDC MP 3.4.

Signature



Date

12th JULY 2019