

INSTALLATION CERTIFICATE

Under Clause A2.2 of the Building Code of Australia Volume 1

Project Details

Project name	North Kellyville Primary school
Project address	Hezlett Road, Kellyville NSW 2155
Whole or part of the building to which the certificate relates?	Whole
Description of the work	Construction of a new two storey primary school, external sports fields, hardstand areas, vehicular access and landscaping

Installer's Details

Company Name	FREEDON AIR
Company Address	123 WETHERILL STREET NORTH, SILVERWATER
Phone No.	2128
Installer's name	JAY SMITH
Qualifications / accreditations	

Drawings

Drawing & Rev. No.	INCLUDED IN AS BUILTS

Installation Statement

I confirm that the work specified above has been installed in accordance with the relevant clauses of the Building Code of Australia, the relevant Australian Standards and any other relevant requirements of the Development Consent or Alternative Solution including those listed below.

Signature

Date

MECHANICAL WORKS

Australian Standard & Building Code Of Australia Clause

No.	Date	Title	BCA 2016 Clause
AS 1668.2	2015	The use of mechanical ventilation and air conditioning in building: Mechanical ventilation for acceptable indoor-air quality	F4.5, F4.11, F4.12
AS/NZS 3666.1	2011	Air handling and water systems of buildings – Microbial control – Installation, installation and commissioning	F2.7, F4.5
AS 4254.1	2012	Ductwork for air handling systems in buildings – Flexible duct	Spec C1.10, J5.2b
AS 4254.2	2012	Ductwork for air handling systems in buildings – Rigid duct	Spec C1.10, J5.2b

Building Code of Australia 2016 requirement

BCA Clause	Title	Requirement
J5.2	Air-conditioning systems	All new mechanical work is to comply with the BCA's energy efficiency requirements
J5.3	Mechanical ventilation systems	All new mechanical work is to comply with the BCA's energy efficiency requirements
J5.4	Miscellaneous exhaust systems	All new mechanical work is to comply with the BCA's energy efficiency requirements

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AUTOMATIC SHUTDOWN OF MECHANICAL VENTILATION SYSTEM

Building Code of Australia 2016 requirement

BCA Clause	Title	Requirement
E2.2, NSW Table E2.2a, Spec E2.2a	Smoke Hazard Management & Smoke Detection and Alarm Systems	The building is required to be provided with automatic shutdown of any air-handling system (other than non-ducted individual room units with a capacity not more than 1000 l/s and miscellaneous exhaust air systems installed in accordance with Sections 5 and 11 of AS/NZS 1668.1) on the activation of smoke detectors installed complying with Clause 5 of BCA Specification E2.2a. Clause 5 of BCA Specification E2.2a states that detectors must be spaced not more than 20m apart and not more than 10m from any wall, bulkhead or smoke curtain and have a sensitivity in accordance with AS/NZS 1668.1..

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AUTOMATIC SMOKE EXHAUST SYSTEM

Australian Standard & Building Code Of Australia Clause

No.	Date	Title	BCA 2016 Clause
AS/NZS 1668.1	2015	The use of ventilation and airconditioning in buildings – Fire and smoke control in multi-compartment buildings	E2.2, Spec E2.2b

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ELECTRICAL WORKS

Australian Standard & Building Code Of Australia Clause

No.	Date	Title	BCA 2016 Clause
AS/NZS 3000	2007	Electrical Installation 'Wiring Rules'	-

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FIRE SEALING PENETRATIONS TO FIRE RATED CONSTRUCTION

Australian Standard & Building Code Of Australia Clause

No.	Date	Title	BCA 2016 Clause
AS 1530.4	2005	Methods for fire tests on building materials, components and structures - Fire-resistance test of elements of construction	C3.15

Please specify what type of work the fire protection is related to:

Fire protection sealing applied (please tick)	Type of works
	Mechanical system
	Electrical works
	Hydraulic and plumbing
	Other (please specify)

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SMOKE & FIRE DAMPERS

Australian Standard & Building Code Of Australia Clause

No.	Date	Title	BCA 2016 Clause
AS 1668.1	1998	The use of ventilation and airconditioning in buildings - Fire and smoke control in multi-compartment buildings	C2.12, C3.15, Spec C2.5, D1.7, Spec E1.8, E2.2, Spec E2.2a, F4.12, Spec E2.2b, Spec G3.8
AS 1682.1	1990	Fire dampers - Specification	-
AS 1682.2	1990	Fire dampers - Installation	-