



Engineering Controls
Excellence

NOLAELECTRICAL.CO.NZ

WELCOME TO NOLA ELECTRICAL

HVAC SPECIALISTS

Nola Electrical has over 30 years experience

with jobs ranging from small to multi-storey buildings - including hospitals, offices, universities, schools, hotels, apartments, food manufacturing outlets and other highly technical installations including PC2 and PC3 laboratories.

We specialise in all facets of Automatic Control Systems for air conditioning, heating, refrigeration, ventilation and Building Management Systems.

WE OFFER THE FOLLOWING SERVICES:

- Electrical Design
- Control Panel Manufacturing
- Installation
- Service and Maintenance
- Consulting
- Project Management

Providing the full range of services enables us to offer a total electrical solution to our clients. Nola Electrical has developed a solid reputation for high quality electrical work in the industry - installing, testing and commissioning Automatic Control Systems successfully.

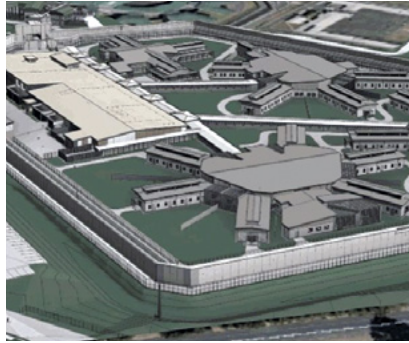


We believe - do it once, do it right.
Engineering Controls Excellence



NOLA
ELECTRICAL

QUALITY SERVICE, TIMELY SOLUTIONS.



Our Contracting Division is well known for their quality of work and superior project management. We provide timely and cost-effective service solutions, to reduce the impact of downtime to clients, getting the job completed right, the first time. We also pride ourselves in our ability to respond to the changes needed from our clients, when work is in progress.

SUPERIOR PROJECT MANAGEMENT

Our project management team has a wealth of knowledge and experience.

We have superior processes in place to give the mechanical contractor peace-of-mind knowing that any issues during construction are dealt with early, before they become a problem. This means projects are delivered on time and within budget.

Our processes are proven to deliver high quality, fault-free installations to the client time and time again. Improving profitability by reducing the amount of rework.

From design to installation, commissioning and hand-over phase, rest assured the team at Nola Electrical have it covered.



Auckland International Airport - Pier B Extension



APRIL 2017 - ONGOING

Main Building Contractor:

Hawkins

Consultant:

Aecom

Main HVAC Contractor:

Economech Services Ltd

Controls Specialist:

Siemens

Services Provided:

HVAC and Mechanical Services

BMS Controls:

Siemens

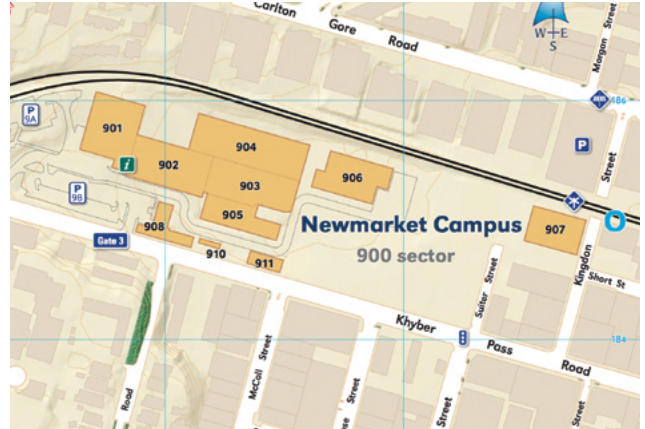
Job Description:

Extension of the Pier B Terminal,
with 2 additional new gates.

Nola Electrical PM Team:

Ned Nola / Dino Nola / Nenad Tomas /
Matthew Sublette

The University of Auckland - Sector 900 Building 907



OCTOBER 2017 - ONGOING

Main Building Contractor:

LT McGuinness

Main HVAC Contractor:

Aquaheat

Controls Specialist:

Building Technologies Ltd

Services Provided:

HVAC and Mechanical Services

BMS Controls:

Siemens

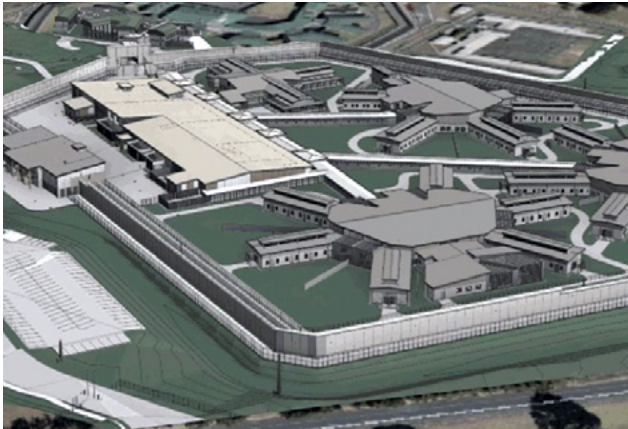
Job Description:

Refurbishment of existing building to provide
learning facilities for Exercise Sciences

Nola Electrical PM Team:

Ned Nola / Dino Nola / Darren Bailey

Government / Next Step Partners - Auckland Prison



APRIL 2017 - ONGOING

Main Building Contractor:
Fletcher Construction

Consultant:
Beca

Main HVAC Contractor:
Aquaheat NZ Ltd

Controls Specialist:
Building Technologies Ltd

Services Provided:
HVAC and Mechanical Services

HVAC Systems Installed:
Mechanical services is to be supplied to the buildings which largely consists of ventilation supplied via supply and extract fans, AHU's, split air-conditioning units and FCU's.

BMS Controls:
Siemens

Nola Electrical PM Team:
Ned Nola / Dino Nola / Marinko Peovic

Auckland International Airport - Terminal 3



MAY 2016 - ONGOING

Main Building Contractor: Fletcher Construction

Consultant: Beca

Main HVAC Contractor: Aquaheat

Controls Specialist: Siemens NZ

Services Provided: HVAC and Mechanical Services

BMS Controls: Siemens

HVAC System Installed:
Combination of new and modified plant serving the areas affected by the Level 1 development of the processor and retail expansion. Job is staged and includes demolition of existing systems, two new large air handling plant rooms, variable air volume, fan coil unit, and direct expansion air-conditioning systems, chilled and heating water pipework, BMS control, process cooling for data rooms as well as smoke exhaust and ducted ventilation systems.

Job Description:

This project is Phase 3 of a multi stage redevelopment of the existing International Terminal building. It involves construction of new outbound passenger processing areas, and major expansion and refurbishment of the duty free retail shopping areas. The project requires both landside and airside works in an operational airport and business continuity and security are of paramount importance.

Nola Electrical PM Team:
Ned Nola / Dino Nola / Ivan Rudez

The University of Auckland - Sector 900 Newmarket



DECEMBER 2013 - NOVEMBER 2014

Main Building Contractor: Hawkins

Consultant: Beca

Main HVAC Contractor: Aquaheat

Controls Specialist: Building Technologies Ltd

BMS Controls: Siemens

Services Provided:

HVAC and Mechanical Services

Job Description:

Buildings at the campus incorporate a number of **energy-saving initiatives** including occupancy sensors along with maximum utilisation of natural light. Bore water is used for cooling systems and returned to source rather than using the city's water and sewerage systems.

Project Value:

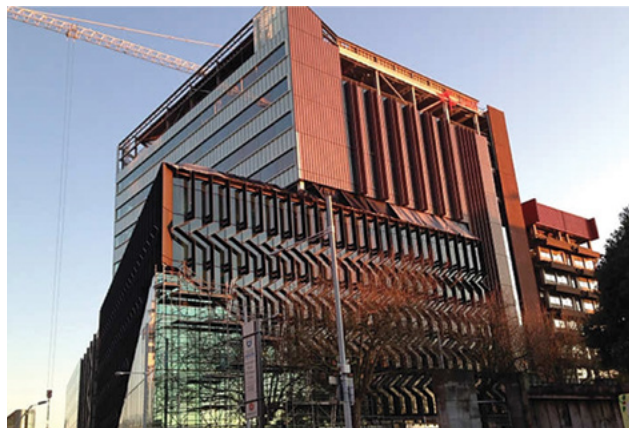
\$11m

Nola Electrical PM Team:

Ned Nola / Dino Nola / Nenad Tomas / Darren Bailey



The University of Auckland - Sector 300 Building 302



NOVEMBER 2014 - AUGUST 2016

Main Building Contractor: Fletcher Construction

Consultant: Beca

Main HVAC Contractor: Aquaheat

Controls Specialist: Building Technologies Ltd

BMS Controls: Siemens

HVAC System Installed:

Utilises basement mounted water-cooled chillers, connected to roof mounted cooling towers for heat rejection. Heating is provided by gas fired boilers (level 11 plantroom). Chilled / heating water pipework is reticulated to serve two air handling units per floor plus high efficiency matrix fan coil units.

Job Description:

New 38,000m² tertiary education campus. As the building is a teaching environment **close attention has been paid to the attenuation of noise from mechanical plant**. A total of 60 fume cupboards are installed in the building and the plastic flues are reticulated to special PVC exhaust fans located in the level 11 plant room.

Nola Electrical PM Team:

Ned Nola / Dino Nola / Darren Bailey / Ivan Rudez



Auckland District Health Board - PC3 LAB



SEPTEMBER 2015 - JUNE 2016

Main Building Contractor: Cockram

Consultant: Beca

Main HVAC Contractor: AE Smith

Controls Specialist: Building Technologies Ltd

BMS Controls: Siemens - Specialised requirements for one of the few PC3 Certified Labs in New Zealand - one level below nuclear. Main requirement is to provide negative pressure work stations in a fully contained environment. **Required specialist skills and expertise, dealing with extremely hi-tech spec and materials.**

HVAC System Installed:

Designed to meet all requirements of PC3 (Physical Containment Level 3) Lab

Nola Electrical PM Team:

Ned Nola / Dino Nola / Ivan Rudez



Government / Secure Future - Mens Correctional Facility, Wiri



FEBRUARY 2013 - JAN 2015

Main Building Contractor: Fletcher Construction

Consultant: Beca

Main HVAC Contractor: Aquaheat

Controls Specialist: Building Technologies Ltd

BMS Controls: Siemens

Services Provided: HVAC and Mechanical Services

Job Description:

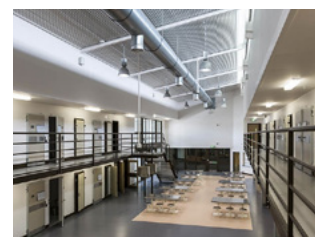
New 49,000m², 960 bed corrections facility, 32 buildings in total. Mechanical services supplied to 30 of the buildings, ventilation supplied via supply and extract fans, AHU's, split air-conditioning units and FCU's. Heating via gas fired hot water boilers serving the FCU's & AHU's. Two air-cooled chiller units feeding chilled water system through a below ground pipework system, which serve the FCU's. Below ground gas ring main over whole site, feeds heaters and boilers throughout the industry buildings. Mechanical system controlled by a full site BMS in conjunction with the mechanical electrical trade.

Construction Value: \$270m

Mechanical Value: \$12.2m

Nola Electrical PM Team:

Ned Nola / Dino Nola / Goran Zilic



Completed Projects

The University of Auckland - PC3 Lab



MARCH 2011 - JUNE 2011

Main Building Contractor:

AE Smith

Controls Specialist:

Building Technologies Ltd

HVAC System Installed:

Designed to meet all requirements
of PC3 (Physical Containment Level 3) Lab

BMS Controls:

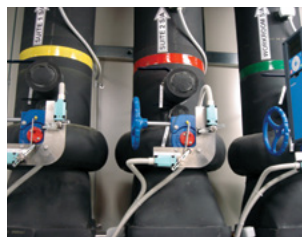
Siemens

Job Description:

**Specialised requirements for the only
PC3 Certified Lab in New Zealand - one level
below nuclear.** Main requirement is to provide
negative pressure work stations in a fully
contained environment. Required specialist
skills and expertise, dealing with extremely
hi-tech spec and materials.

Nola Electrical PM Team:

Ned Nola / Dino Nola



The University of Auckland - PC2 Labs, School of Medicine & Health Sciences, Refurbishment 501-504



FEBRUARY 2010 - JANUARY 2014

Main Building Contractor:

Fletcher Construction

Main HVAC Contractor:

Airpro Mechanical

Controls Specialist:

Building Technologies Ltd

HVAC System Installed:

Designed to meet all requirements
of PC2 (Physical Containment Level 2) Lab

BMS Controls:

Siemens

Job Description:

Challenge of this project was that the **University had
to remain open and construction to cause minimal
disruption.** Mostly PC2 (Physical Containment Level
2) labs which keep a negative pressure regime.
Also included an Aseptic Suite, which is a sterile area
for the preparation of medication and equipment.
Multi-level, multi-building project.

Nola Electrical PM Team:

Ned Nola / Dino Nola / Nenad Tomas



Fonterra Project Kiwi



NOVEMBER 2012 - MARCH 2013

Main Building Contractor:

NZ Strong

Main HVAC Contractor:

Airpro Mechanical

Controls Specialist:

Building Technologies Ltd

HVAC System Installed:

Designed to meet all requirements of sterile food preparation area

BMS Controls:

Siemens

Job Description:

Installation of Air Conditioning System for the cooling of milk packaging process plant. Installation included **work in Fonterra sterile food preparation areas.**

Nola Electrical PM Team:

Ned Nola / Dino Nola



80 Queen Street - Deloitte Centre



MAY 2008 - MARCH 2010

Main Building Contractor:

Multiplex

Main HVAC Contractor:

Hastie NZ

Controls Specialist:

Honeywell

BMS Controls:

Honeywell

Job Description:

The first high-rise tower (23 levels) in New Zealand to achieve 5 Star Green Design rating from the New Zealand Green Building Council. The Deloitte Centre is now Auckland's most advanced environmentally sustainable commercial building. All building power and water usage is monitored by BMS.

Nola Electrical PM Team:

Ned Nola / Dino Nola / Nenad Tomas

Westfield Mall - Albany



FEB 2007 - FEB 2008

Main Building Contractor:
Westfield

Main HVAC Contractor:
Hastie NZ

Controls Specialist:
Building Technologies Ltd

HVAC System Installed:
Series of rooftop package units for large tenancies and split systems for small tenancies

BMS Controls:
Siemens

Job Description:
This project had an **extremely tight time-frame** of one year for the large scope of this job. Completed in two stages with a **partial opening part way through** the project to manage. Total build of \$210 million, over 3,000 construction workers involved the mall houses 140 stores plus public spaces.

Nola Electrical Project Management Team:
Ned Nola / Dino Nola



The University of Auckland - Owen G. Glenn Building, Business School



JANUARY 2006 - OCTOBER 2007

Main Building Contractor:
Fletcher Construction

Main HVAC Contractor:
Hastie NZ

Controls Specialist:
Building Technologies Ltd

Job Description:
Two 600 seat lecture theatres, multiple smaller lecture theatres and 11 computer labs make up **New Zealand's largest teaching space** covering 34,000m². The HVAC system installed had to meet **strict noise control requirements**. All building power and water usage is monitored by BMS.

Nola Electrical Project Management Team:
Ned Nola / Nenad Tomas



Auckland War Memorial Museum - Stage 2



DECEMBER 2005 - DECEMBER 2006

Main Building Contractor:

Hawkins

Main HVAC Contractor:

Hastie NZ

Controls Specialist:

Honeywell

BMS Controls:

Honeywell

Job Description:

Plant room inside Kava Bowl, suspended in Atrium which also includes Lecture Theatre and Events Centre. Upgrade of all Stage 1 controls to match Stage 2. Close control for sensitive areas housing paintings, historical artifacts and photographic stores. **Extra care required working in a sensitive environment.** On-going services relationship.

Nola Electrical Project Management Team:

Ned Nola / Dino Nola



Auckland City Hospital - Acute Services Building



DECEMBER 2001 - JULY 2003

Main Building Contractor:

Fletcher Construction

Main HVAC Contractor:

Hastie NZ

Controls Specialist:

Honeywell NZ

BMS Controls:

Honeywell

Job Description:

The project was, at the time of construction, **the largest HVAC installation in New Zealand.** With over 100 Air Handling Units and over 1000 controls points. The fact that there were minimal issues during the commissioning process, was a real achievement and is testament to Nola's work ethic.

Nola Electrical Project Management Team:

Ned Nola / Nenad Tomas

We have developed a solid reputation for high quality electrical installation work on a variety of specialised projects, successfully completing a number of industrial and commercial projects on time and within budget.

THE UNIVERSITY OF AUCKLAND - SCHOOL OF MEDICINE & HEALTH SCIENCES, B505 BOYLE BUILDING

PROJECT COMPLETED OCTOBER 2011

Main Building Contractor: Fletcher Construction

Main HVAC Contractor: Hastie NZ

Controls Specialist: Building Technologies Ltd

Nola Electrical PM Team: Ned Nola / Dino Nola / Nenad Tomas

BMS Controls: Siemens

Job Description: Chilled beam system installed, designed to heat or cool large buildings. Constant flow of convection. Lower operating costs and efficiency, more complex control functionality than a standard system.

THE UNIVERSITY OF AUCKLAND - SCHOOL OF MEDICINE & HEALTH SCIENCES, CENTRAL PLANT

MARCH 2010 - DECEMBER 2010

Main Building Contractor: Fletcher Construction

Main HVAC Contractor: Hastie NZ

Controls Specialist: Building Technologies Ltd

Nola Electrical PM Team: Ned Nola / Nenad Tomas

BMS Controls: Siemens

Job Description: Installed Central Plant to manage HVAC and hot water for 5 buildings. Phased / Staged change over from old plant to ensure seamless services and no disruption while building was in use.

STAMFORD HOTEL APARTMENTS

APRIL 2006 - OCTOBER 2008

Main Building Contractor: Fletcher Construction

Main HVAC Contractor: Hastie NZ

Controls Specialist: Honeywell

Nola Electrical PM Team: Ned Nola / Dino Nola / Nenad Tomas

BMS Controls: Honeywell

Job Description: Individual hydronic units for tailored in-room heating and cooling. Part of the hotel had to remain open during install. Multi-level job, existing system and plant was upgraded for additional capacity.

SKY CITY GRAND HOTEL & CONVENTION CENTRE

JUNE 2003 - JULY 2004

Main Building Contractor: Fletcher Construction

Main HVAC Contractor: Hastie NZ

Controls Specialist: Honeywell

Nola Electrical PM Team: Ned Nola / Dino Nola

BMS Controls: Honeywell

Job Description: The \$85 million Grand & Convention Center houses 316 rooms over 21 levels with a 700 seat convention centre.

Previous Projects:

2004 - Auckland Sky City (Convention and Hotel)

2003 - Auckland City Hospital (Acute Services Building)

2002 - Eden Project of Buildings (3&4)

2002 - 277 Broadway Food Court

2001 - Chancery Square

2001 - Millennium Institute of Sport

2000 - Auckland Hospital A+Laboratory

1999 - Waitemata Health (Forensic Services)

1998 - Farmers Deku East Tamaki

1995 - ASB Computer Centre

1994 - University of Auckland (Thomas Building)

1993 - Middlemore Hospital (ICU)

1992 - Fisher & Paykel (East Tamaki Development)

1991 - Southern Cross Hospital

1988 - 151 Queen Street (Fay-Richwhite & Co Ltd Building)

1987 - University of Auckland (Pathology)

1986 - University of Auckland (Animal Laboratory)

1985 - Auckland Harbor Board Building

Auckland Museum
Tamaki Paenga Hira
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New Zealand

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www.aucklandmuseum.com



20 May 2012

To whom it may concern:

Nola Electrical have been servicing the HVAC Control system and the Building Management System (BMS) at the Auckland War Memorial Museum (AWMM) for almost ten years.

Nola's were involved in the AWMM Stage 2 project works completed in 2006, installing the currently operational Honeywell HVAC Control /BMS System.

Following on from the Stage II works all of the existing AWMM Stage 1 (1929 & 1960's parts of the building) HVAC control systems were upgraded; Honeywell controllers were installed in all the existing MCC's. Nola's met the challenge of minimizing disruption and ensuring quick turnaround, with all parties fully satisfied with the process and end product.

Nola's have played a key pivotal role within the energy efficiency strategy currently being implemented by the Museum at present; contributing to our recent successful reduction of 12.2% in our carbon footprint within a twelve month period.

Nola Electrical continues to provide ongoing service and technical support for the HVAC mechanical electrical system at the Museum when called upon. At present we have Nola's relocating existing Stage 1 HVAC control wiring from the internal 'Maori Court' roof (Building heritage area) to enable conservation of the building fabric to be undertaken.

In conclusion, whenever we at Auckland Museum face complicated, technical electrical issues that can often be beyond the abilities of standard electrical contractors, Nola's staff never fails to resolve all issues to our full satisfaction. On this basis we here at the Auckland War Memorial Museum would highly recommend them as electrical specialists and we look forward to continue our ongoing relationship with 'Nola Electrical' in the future.

Please feel free to give me a call should you require further elaboration.

Kind regards,

John Glen
Building Facilities Manager



Contact Us

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