

ABSOLUTE FIRE

SOLUTION



CAPABILITY
STATEMENT

2025



FIRE & SMOKE DAMPERS



VERMICULITE FIRE SPRAY



FIRESTOPS & SEALS



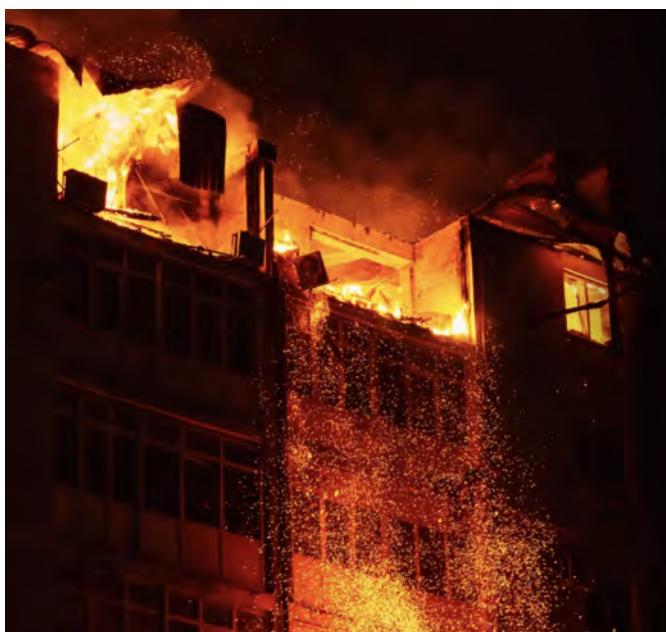
STRUCTURAL PROTECTION



COMPANY OVERVIEW ABSOLUTE FIRE SOLUTION

Why is Passive Fire Protection Important?

Passive fire protection measures are essential to limit the spread of smoke and fire within buildings, ultimately saving lives and protecting property. By containing fire and smoke within the originating compartment, these measures enable safe evacuation and preserve the building's structural integrity, making fire-fighting efforts more effective.



Incorporating passive fire containment systems, such as fire and smoke dampers, firestops, and structural protection, into a building's fabric is crucial for limiting fire damage. Regular inspections and maintenance ensure these systems perform optimally when needed, as outlined in the Australian Standard AS 1851 – 2012 for routine service of fire protection systems and equipment.

Implementing passive fire protection correctly enhances occupant safety, limits fire spread, protects structural integrity, safeguards assets, and ensures compliance with legal regulations. We aim "To set the standard for excellence in passive fire safety solutions across New South Wales."

OUR PEOPLE



Shiliang (Leon) Chen

Technical/Project Manager, Absolute Fire Solution

Leon Chen plays a key role in project execution at Absolute Fire Solution, leveraging extensive project management experience to ensure projects are completed on time, within budget, and to the highest safety standards.

Leon holds a Master of Fire Safety Engineering and a Diploma in Building Surveying. Since 2008, he has been instrumental in major projects, including the Barangaroo Precinct, 60 Martin Place Sydney, and the Gosford Hospital Redevelopment Project. His expertise spans large-scale transport infrastructure such as the Northwest Rail Link and Sydney Metro, as well as critical healthcare developments like the St George and Blacktown Hospital Redevelopment Projects. He has also contributed to high-profile data centre projects, including the Amazon AWS Data Centre.

As an FPA Australia New South Wales Committee member, Leon actively shapes industry standards and promotes best practices in passive fire protection, ensuring Absolute Fire Solution remains at the forefront of fire safety compliance and innovation.

QUALIFICATIONS

- Master of Fire Safety Engineering
- Diploma of Fire System Design
- Diploma in Building Surveying
- Certificate IV in Building and Construction
- Certificate II in Fire Protection Inspection & Testing

ACCREDITATIONS

- FPAS Accredited Fire Safety Assessor (F43412A)
- FPAS Accredited Inspect & Test Qualified (IT43412)



Norapon (Pon) Pathomponpitak

Construction/Project Manager, Absolute Fire Solution

Pon Pathomponpitak brings a practical, hands-on approach to managing construction projects, ensuring they are delivered on schedule while meeting the highest standards of safety and compliance.

His leadership is instrumental in navigating the complexities of large-scale projects across Sydney. Since 2016, Pon has overseen major developments, including Crown Sydney and the Sydney Modern Art Gallery.

His expertise extends to significant infrastructure and commercial projects, such as the Western Sydney Airport terminal, Wynyard Place, and the Nepean Redevelopment Project. Pon has also successfully managed high-profile data centre projects, including NEXTDC and Amazon AWS Data Centres, further demonstrating his ability to deliver successful outcomes across various sectors.

QUALIFICATIONS

- Bachelor of Civil Engineering
- Certificate II in Fire Protection Inspection & Testing

ACCREDITATIONS

- FPAS Accredited Fire Safety Assessor (F43415A)
- FPAS Accredited Inspect & Test Qualified (IT43415)



Kachin (Sean) Pathomponpitak

Minor Works/Project Manager

Sean Pathomponpitak is a skilled leader in fire protection, specialising in managing minor works with expertise in site supervision, technical oversight, and project management since 2020.

With a strong background in Engineering Technology and Building Construction, Sean excels at overseeing the installation of fire rating systems, training teams to uphold safety and quality standards, and troubleshooting on-site issues to ensure projects stay on track.

He has played a key role in conducting third-party inspections for fire seals and dampers, managing compliance assessments, and leading rectification efforts across major projects, including Sydney Metro NWRL, Sydney Metro Central Station, the Prince of Wales Hospital Acute Services Building, and multiple Amazon SYD Data Centres.

QUALIFICATIONS

- Bachelor of Engineering (Honours), Civil Engineering
- Advanced Diploma of Engineering Technology – Electrical
- Diploma in Building and Construction
- Certificate IV in Building and Construction

ACCREDITATIONS

- FPAS Accredited Fire Safety Assessor (F063372A)
- FPAS Accredited Inspect & Testing (IT63372)



PASSIVE FIRE PROTECTION SERVICES



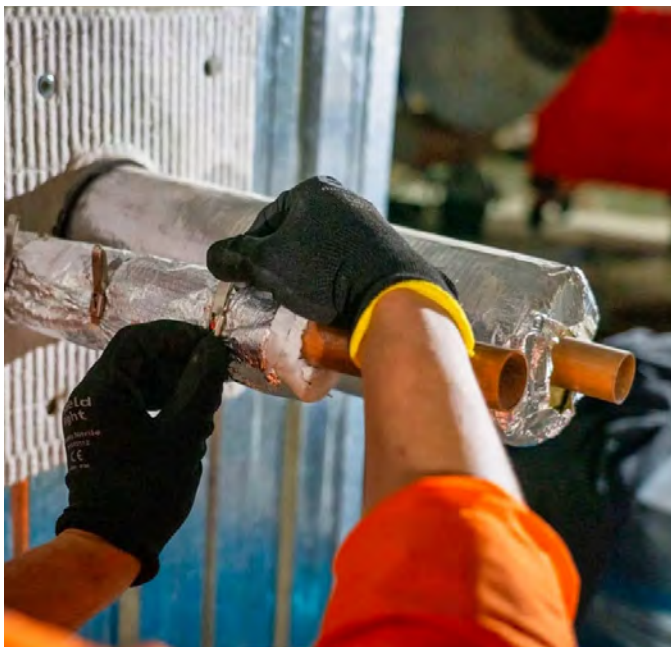
Fire & Smoke Dampers

Absolute Fire Solution specialises in the installation and maintenance of fire and smoke dampers, critical components that prevent the spread of fire and smoke through ductwork in buildings. These systems are essential for maintaining effective compartmentalisation within buildings, enhancing safety during a fire by containing the spread of hazardous smoke and flames. Our service ensures full compliance with fire safety regulations, thereby improving the overall safety for building occupants. Additionally, we provide regular inspections and maintenance to guarantee that the dampers remain operational and ready to function in case of an emergency.

Vermiculite Fire Spray

We offer professional application of vermiculite fire spray to structural steel and ductwork. This mineral-based industrial coating is designed to insulate steel structures, protecting them from the intense heat generated during a fire. Vermiculite fire spray can provide up to four hours of fire resistance, making it suitable for both internal and external applications. This protective layer forms a physical barrier between fire compartments, helping to prevent the spread of fire and maintain the integrity of the structure.





Firestops and Seals

Our firestopping and sealing services involve the meticulous sealing of penetrations in fire-rated elements such as walls, floors, and ceilings. This includes the installation of barriers, sealants, putty pads, and other materials designed to prevent the spread of fire, smoke, and heat through gaps and openings. These measures significantly enhance building safety, ensure compliance with stringent fire safety standards, and protect the structural integrity of the building by maintaining effective compartmentalisation.

Structural Protection

Our comprehensive structural protection solutions are designed to enhance the fire resistance of various structural elements. This includes the application of fireproof boards, coatings, and sprays. These measures ensure that buildings can withstand fire damage, protecting both occupants and assets. By extending the fire resistance time of structural components, we ensure compliance with building codes and significantly enhance overall building safety.





CONSULTING SERVICES

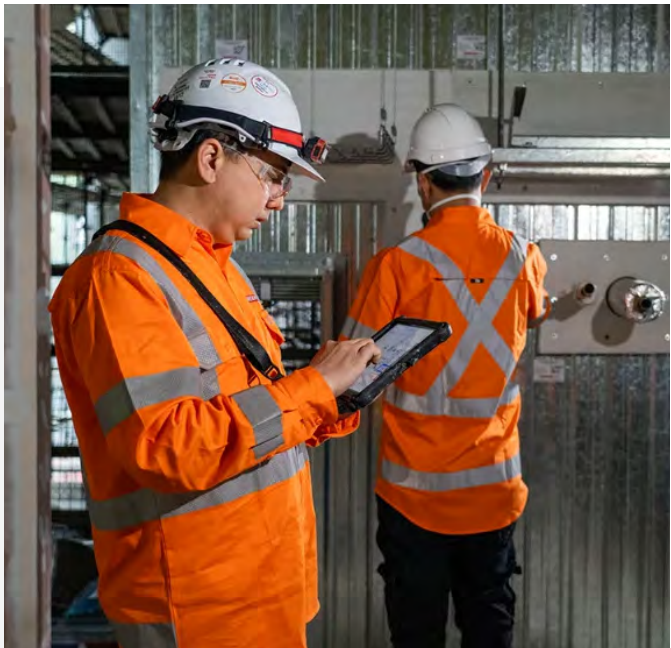


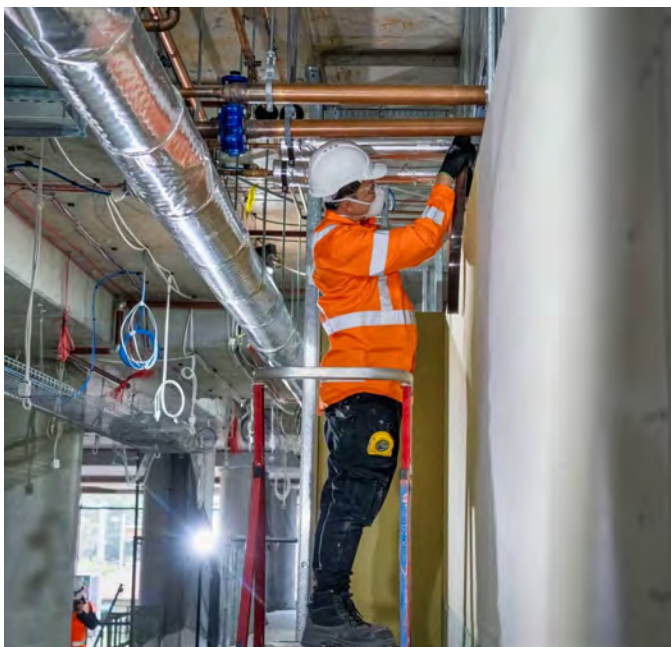
Technical Advice

Absolute Fire Solution offers specialist technical advice during the early stages of design to help develop optimal, compliant fire protection solutions. This includes guidance on buildability, costing, and programming to ensure efficient project execution. Our expert advice helps clients develop effective fire safety strategies, ensures compliance with all relevant regulations, and optimises project outcomes, reducing risks and costs associated with fire protection.

Compliance Audits

We conduct annual maintenance inspections and comprehensive assessments of passive fire systems to ensure they are functioning correctly and in compliance with regulations. This service includes the development of passive fire maintenance registers for ongoing management. Our audits identify and rectify any non-compliant installations, ensuring continuous compliance with fire safety standards and enhancing overall fire safety management.



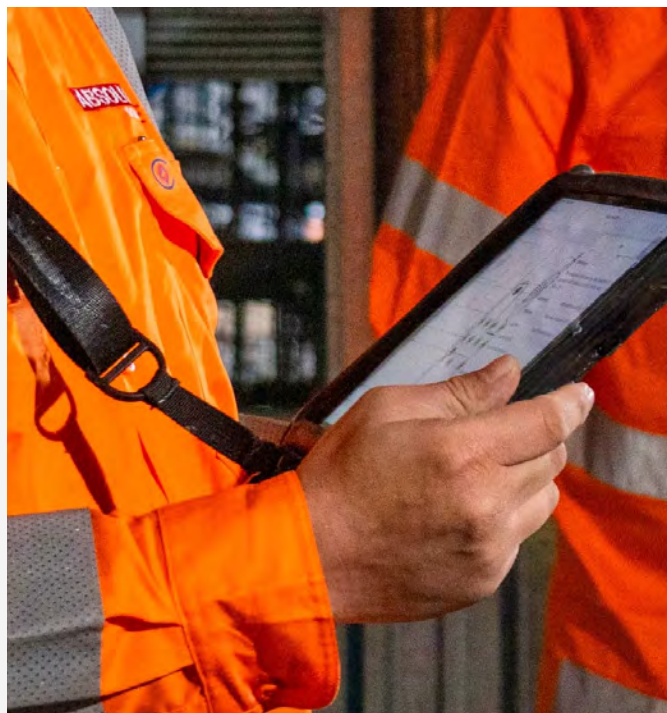


Surveys

Our team performs detailed fire risk surveys and compartmentation inspections to identify potential fire hazards and breaches in fire barriers. These surveys provide thorough assessments and detailed recommendations for remedial actions. By ensuring the integrity of fire compartmentation systems, we help clients identify areas for improvement, enhance overall building safety, and maintain compliance with fire safety regulations.

Fire Safety Statements & Certification

We provide fire safety statements and certification services for multi-unit residential developments, commercial, and industrial buildings. These statements confirm that fire safety systems are maintained correctly and operate as intended. Our certification process ensures compliance with fire safety regulations, provides the necessary documentation for regulatory authorities, and enhances occupant safety by verifying that all fire protection measures are in place and functional.



About Absolute Fire Solution

Absolute Fire Solution is a trusted specialist in passive fire protection, providing accredited services across Sydney and New South Wales. With extensive collective experience and a commitment to innovation, we deliver comprehensive passive fire protection solutions. Our service also includes supplying, installing, and certifying the passive fire protection system in accordance with the relevant AS Standards to comply with the NCC requirements. We work closely with Principal Contractors, Service Contractors, Principal Certifying Authorities, Fire Safety Engineers, and Facility Management Teams to ensure full compliance and maximum safety.

Why Choose Absolute Fire Solution?



Accreditation and Expertise

We hold accreditations with the Fire Protection Association Accreditation Scheme (FPAS). Our team comprises highly qualified professionals with substantial industry experience. Our mission is "To deliver professional, trustworthy, and reliable passive fire solutions that ensure safety and compliance for our clients and communities."



Client-Centric Approach

Our seasoned management teams are adept at delivering solutions tailored to both small-scale and large, multi-million-dollar projects. We operate efficiently as both a sub-contractor and principal contractor across various sectors, ensuring the well-being and safety of our clients. Our goal is "To consistently exceed client expectations by providing top-tier passive fire solutions that prioritize safety, ensure compliance with regulations, and build lasting trust within the communities we serve."



Comprehensive Services

From audits and certification to technical advice and installation of new passive fire protection systems, we offer a wide range of services to meet diverse client needs.



Proven Track Record

With a strong commitment to quality and compliance, we have successfully completed numerous projects, earning a reputation for reliability and excellence in the industry.





ANNUAL FIRE SAFETY STATEMENT **ALLIANZ STADIUM** - SYDNEY CBD

CLIENT:
CBRE | GWS Pacific

LOCATION:
Sydney CBD, NSW

PROJECT DURATION:
3 months

SERVICES PROVIDED:
Compliance Audits for the Annual Fire Safety Statement as per the relevant AS Standards and NCC requirements.

Project Overview

CBRE | GWS Pacific contracted Absolute Fire Solution to conduct the annual inspection and endorse the relevant fire safety measures (Fire seal and lightweight construction) for Allianz Stadium.

Scope of Work

- Conducted the annual inspection per the relevant AS standards and NCC requirements listed on the Annual Fire Safety Statement.
- Assisted the client in site meetings with the original contractor to clarify non-compliant items and monitor the rectification progress.
- Proposed rectification methodologies and relevant costs to address outstanding non-compliant items.

Outcome

- Identified all existing non-compliant items per the relevant AS Standards and NCC requirements.
- Successfully clarified and allocated non-compliant items to the responsible subcontractors within the Defect Liability Period.
- Closed out outstanding non-compliant items, allowing the AFSS to be endorsed without delay.





CLASS 2 RESIDENTIAL BUILDING

AURA – 168 WALKER STREET NORTH SYDNEY

CLIENT:
Carrington Electrical Services

LOCATION:
North Sydney, NSW

PROJECT DURATION:
6 months

SERVICES PROVIDED:
Supply, Install, and Certify
electrical service penetration in
accordance with the relevant AS
Standards and NCC requirements
to achieve the required Fire
Resistance Levels (FRLs).

Project Overview

AURA – 168 Walker Street is one of the 28-storey high-rise Class 2 residential buildings recently completed by Absolute Fire Solution for Carrington Electrical Services.

Scope of Work

- Reviewed electrical drawings with the relevant builder work and fire compartment drawings to determine the FRLs of electrical service penetrations.
- Prepared the fire matrix, including the proposed Passive Fire Protection system specifications, with relevant test and assessment reports.
- Provided consultation throughout the project, attending meetings and responding to Passive Fire-related inquiries.
- Fire-sealed the electrical service penetration with a passive fire protection system per AS1530.4 and 4072.1 to comply with NCC requirements.
- Prepared and submitted the Fire seal installation certificate, Passive Fire Register, installation report with photos, and marked-up drawings of all service penetrations.

Outcome

- All electrical penetrations were fire-sealed in compliance with AS Standards and NCC requirements.
- Completed large quantities of service penetrations within the limited time allowed per the construction program.
- Uploaded photo evidence of compliant details of each electrical penetration to “CtrlDoc” as per additional project requirements.



**THIRD PARTY
INDEPENDENT
CONSULTANT**

WATERLOO METRO QUARTER DEVELOPMENT SOUTHERN PRECINCT

CLIENT:
John Holland

LOCATION:
Waterloo, NSW

PROJECT DURATION:
12 months

SERVICES PROVIDED:
Third Party Independent Passive
Fire Consultant and Inspector

Project Overview

Absolute Fire Solution served as an independent passive fire consultant for the Waterloo Metro Quarter Development, a significant urban project in NSW.

Scope of Work

- Reviewed consultant and subcontractor passive fire matrix to demonstrate the required fire rating locations, proposed products, and relevant data sheets.
- Provided inspection registers, reports, and marked-up drawings.
- Participated in value management/engineering and risk management workshops.
- At Practical Completion, provided a third-party inspection certificate confirming that the fire-rated penetrations were protected per AS1530.4 and AS4072.1, complying with C3.15 of the NCC during the construction stage.

Outcome

- Ongoing project.
- The Fire matrix includes all potential Passive Fire Protection systems with the relevant test and assessment reports, submitted early in the project to the Private Certifier.
- Assisted the client in substituting Passive Fire Protection systems when design changes occurred during construction.
- Prepared and submitted inspection registers, reports with photos, and marked-up drawings for required areas before installing partition walls and ceilings.



M6 STAGE 1 MOTORWAY (MOC1 SUBSTATION)

CLIENT:

CPB Contractors GHELLA UGL
Joint Venture

LOCATION:

Arncliffe to Kogarah, NSW

PROJECT DURATION:

1 month

SERVICES PROVIDED:

Supply, Install, and Certify electrical and mechanical service penetration in accordance with the relevant AS Standards and NCC requirements to achieve the required Fire Resistance Levels (FRLs).

Project Overview

Absolute Fire Solution was engaged to ensure fire protection compliance for the MOC1 Substation as part of the M6 Stage 1 Motorway project.

Scope of Work

- Reviewed builder work and fire compartment drawings to determine FRLs of electrical service penetrations.
- Prepared a fire matrix, including proposed Passive Fire Protection system specifications, with relevant test and assessment reports.
- Provided consultation throughout the project, attended meetings, and responded to Passive Fire-related inquiries.
- Fire-sealed electrical and mechanical service penetrations with passive fire protection systems per AS1530.4 and 4072.1 to comply with NCC requirements.
- Prepared and submitted Fire seal installation certificates, Passive Fire Registers, installation reports with photos, and marked-up drawings of all service penetrations.

Outcome

- The project was completed to the client's satisfaction, equipping the industrial facility with state-of-the-art passive fire protection systems.
- Absolute Fire Solution continues to assist CPB Contractors GHELLA UGL Joint Venture with the tender for the main Passive Fire contract and is looking forward to assisting with further passive fire protection works at later stages.



SYDNEY CHILDREN'S HOSPITAL STAGE 1

CLIENT:

Austral Air Conditioning Pty Ltd
& Value Added Construction JV

LOCATION:

Randwick, NSW

PROJECT DURATION:

12 months

SERVICES PROVIDED:

Fire damper third-party
certification and Fire seal of
Mechanical service penetrations

Project Overview

Absolute Fire Solution provided crucial fire protection services for the Sydney Children's Hospital Stage 1 redevelopment.

Scope of Work

- Inspected fire/smoke dampers per the relevant AS Standard and NCC requirements and prepared a Third-party independent Fire Damper Inspection certificate with an inspection register/report for the mechanical contractor to form part of the Occupancy Certificate.
- Fire-sealed mechanical service penetrations with passive fire protection systems per AS1530.4 and 4072.1 to comply with NCC requirements.
- Prepared and submitted the Fire seal installation certificate, Passive Fire Register, and installation report with photos and marked-up drawings of all mechanical penetrations.

Outcome

- The project is ongoing, with 80% completed.
- The client is satisfied with the current progress.
- The fire/smoke damper inspection register has been updated regularly and is ready for review by all stakeholders during the project.





ANNUAL FIRE SAFETY STATEMENT

SYDNEY METRO NORTH WEST

CLIENT:

CBRE | GWS Pacific

LOCATION:

Rouse Hill to Chatswood

PROJECT DURATION:

6 months

SERVICES PROVIDED:

Compliance Audits for the Annual Fire Safety Statement as per the relevant AS Standards and NCC requirements.

Project Overview

CBRE | GWS Pacific contracted Absolute Fire Solution to conduct the annual inspection and endorse the relevant fire safety measures (Fire seal, Fire/Smoke dampers and lightweight construction) for North West Rail Link Cross Passages and Service Facilities from Rouse Hill to Chatswood .

Scope of Work

- Conducted the annual inspection per the relevant AS standards and NCC requirements listed on the Annual Fire Safety Statement.
- Assisted the client in site meetings with the original contractor to clarify non-compliant items and monitor the rectification progress.
- Proposed rectification methodologies and relevant costs to address outstanding non-compliant items.
- Supervised and conducted rectification work, including the installation and repair of fire seals and fire/smoke dampers, ensuring compliance with safety regulations.
- Prepared and submitted the final inspection report, endorsing relevant fire safety measures listed on the Annual Fire Safety Statement.

Outcome

- Identified all existing non-compliant items per the relevant AS Standards and NCC requirements.
- Successfully clarified and allocated non-compliant items to the responsible subcontractors within the Defect Liability Period.
- Closed out outstanding non-compliant items, allowing the AFSS to be endorsed without delay.



ANNUAL FIRE SAFETY STATEMENT

SYDNEY METRO – CENTRAL STATION, WATERLOO STATION AND BARANGAROO STATION

CLIENT:
CBRE | GWS Pacific

LOCATION:
Sydney CBD, NSW

PROJECT DURATION:
3 months

SERVICES PROVIDED:
Compliance Audits for the
Annual Fire Safety Statement as
per the relevant AS Standards
and NCC requirements.

Project Overview

CBRE | GWS Pacific contracted Absolute Fire Solution to conduct the annual inspection and endorse the relevant fire safety measures (Fire seal, Fire/Smoke dampers and lightweight construction) for Sydney Metro Central Station, Waterloo Station and Barangaroo Station.

Scope of Work

- Conducted the annual inspection per the relevant AS standards and NCC requirements listed on the Annual Fire Safety Statement.
- Assisted the client in site meetings with the original contractor to clarify non-compliant items and monitor the rectification progress.
- Proposed rectification methodologies and relevant costs to address outstanding non-compliant items.
- Prepared and submitted the final inspection report, endorsing relevant fire safety measures listed on the Annual Fire Safety Statement.

Outcome

- Identified all existing non-compliant items per the relevant AS Standards and NCC requirements.
- Successfully clarified and allocated non-compliant items to the responsible subcontractors within the Defect Liability Period.
- Closed out outstanding non-compliant items, allowing the AFSS to be endorsed without delay.



UNSW HEALTH TRANSLATION HUB

CLIENT:

Hansen Yuncken, Grid Electrical Services, Fredon Air and Central Plumbing Group

LOCATION:

Randwick, NSW

PROJECT DURATION:

12 months

SERVICES PROVIDED:

Third-party passive fire consultation, inspection, and certification for electrical, mechanical, and plumbing penetrations.

Project Overview

Absolute Fire Solution has been engaged as an independent passive fire consultant for the UNSW Health Translation Hub, a critical component of the Randwick Health & Innovation Precinct. The project aims to establish a leading research facility that supports innovative health solutions, requiring rigorous compliance with fire safety

Scope of Work

- **Electrical Services:** Fire-sealed the electrical service penetration with a passive fire protection system per AS1530.4 and 4072.1 to comply with NCC, AS1530.4 and AS4072.1 requirements.
- **Mechanical Services:** Collaborated with Fredon Air to inspect, certify fire dampers and install fire seal for mechanical systems. Provided guidance on passive fire protection systems that met relevant Australian Standards and NCC requirements, focusing on maintaining fire integrity across compartments.
- **Plumbing Services:** Worked alongside Central Plumbing Group to inspect fire collars and seals on plumbing penetrations. Ensured all fire collars complied with AS1530.4, providing detailed installation reports and photo documentation for accurate record-keeping.
- Provided consultation throughout the project, attending meetings and responding to Passive Fire-related inquiries.
- Prepared and submitted the Fire seal installation certificate, Passive Fire Register, installation report with photos, and marked-up drawings of all service penetrations.

Outcome

- Developed a comprehensive Passive Fire Protection matrix, incorporating fire resistance levels and specifications tailored to each service penetration.
- Provide penetrations fire seal in compliance with AS Standards and NCC requirements.
- Conducted regular site inspections, prepared third-party inspection certificates, and submitted marked-up drawings, reports, and registers to document compliance with AS Standards and NCC requirements.
- Provided ongoing support to Hansen Yuncken and subcontractors, addressing compliance inquiries and assisting in adapting fire protection systems to evolving project needs.





ANNUAL FIRE SAFETY STATEMENT

BARANGAROO PRECINCT – TOWERS 1, 2, 3, C1, C2, R7, R8, AND SHARED BASEMENT

CLIENT:
CBRE | GWS Pacific

LOCATION:
Barangaroo, Sydney CBD, NSW

PROJECT DURATION:
6 months

SERVICES PROVIDED:
Compliance Audits for the
Annual Fire Safety Statement
and Rectification Work as per the
relevant AS Standards and NCC
requirements

Project Overview

CBRE | GWS Pacific contracted Absolute Fire Solution to conduct the annual inspection and address non-compliance issues for the Barangaroo Precinct. The scope covered multiple high-rise towers and the shared basement, ensuring that all relevant fire safety measures, including fire seals and lightweight constructed, were inspected, rectified, and endorsed.

Scope of Work

- Conducted annual inspections across the entire Barangaroo Precinct, including all designated towers and the shared basement, to verify compliance with relevant AS Standards and NCC requirements as part of the Annual Fire Safety Statement.
- Assisted the client during site meetings with the original contractors to clarify outstanding non-compliant items and to monitor rectification progress.
- Provided rectification recommendations and cost estimates for addressing identified non-compliant items within the precinct.
- Managed and executed rectification work, including the installation and repair of fire seals, fire collars, and fire/smoke dampers, to meet the fire safety compliance standards.
- Prepared and submitted a comprehensive final inspection report, which included photographic evidence, endorsing all fire safety measures listed on the Annual Fire Safety Statement.

Outcome

- Successfully identified and documented all existing non-compliant items in accordance with AS Standards and NCC requirements.
- Completed all necessary rectification work, which included the installation and repair of fire/smoke dampers, and fire seals, ensuring the AFSS could be endorsed without delay.
- Delivered detailed reports and photographic evidence of compliance, assisting CBRE | GWS Pacific in maintaining a comprehensive record for future audits and inspections.



ANNUAL FIRE SAFETY STATEMENT SYDNEY MODERN ART GALLERY

CLIENT:
CBRE | GWS Pacific

LOCATION:
Sydney CBD, NSW

PROJECT DURATION:
2 months

SERVICES PROVIDED:
Compliance Audits for the Annual Fire Safety Statement as per the relevant AS Standards and NCC requirements, including rectification work.

Project Overview

CBRE | GWS Pacific engaged Absolute Fire Solution to conduct the annual inspection and manage the rectification of fire safety measures at the Sydney Modern Art Gallery. The project required a meticulous review of fire seals and lightweight construction to ensure compliance with stringent fire safety standards.

Scope of Work

- Conducted a comprehensive annual inspection in line with AS Standards and NCC requirements as part of the Annual Fire Safety Statement for the Sydney Modern Art Gallery.
- Collaborated with the original contractors during site meetings to clarify the details of non-compliant items and monitor the progress of rectification efforts.
- Provided recommendations for rectification methodologies and associated costs to address identified non-compliance issues.
- Undertook rectification work, including the installation and repair of fire seals and fire/smoke dampers, to bring all fire safety measures into compliance with the relevant standards.
- Compiled and submitted a detailed final inspection report, documenting compliance with photographic evidence and verifying that all fire safety measures listed on the Annual Fire Safety Statement were met.

Outcome

- Identified and documented all non-compliant items in accordance with AS Standards and NCC requirements.
- Allocated responsibilities for the identified non-compliance issues to the appropriate subcontractors, facilitating timely resolutions.
- Completed all required rectification work, including the installation and repair of fire/smoke dampers and fire seals, which ensured the AFSS could be endorsed without delay.
- Delivered a comprehensive inspection report with photographic evidence, assisting CBRE | GWS Pacific in maintaining a thorough record for future fire safety audits and inspections

OUR COMMITMENT

At Absolute Fire Solution, we prioritise the safety and compliance of our clients' buildings. Our team of experts is dedicated to delivering superior passive fire protection services, backed by rigorous standards and a commitment to excellence. Trust us to provide reliable and effective solutions for all your passive fire protection needs.

For further enquiries or to discuss your specific requirements, please contact us:



1300 793 115



admin@absolutefiresolution.com.au



11/2 The Crescent, Kingsgrove NSW 2208