

# SAFETY IN DESIGN FOR WORKING AT HEIGHT

Aesthetics, compliance and peace of mind at the design stage

“

Clients value architects and designers who cut through red tape with a practical design without the unnecessary costs. And when it comes to height safety design, there are lives to be saved.

”



**workplace  
access&safety®**

the fall prevention specialists

[www.workplaceaccess.com.au](http://www.workplaceaccess.com.au)

# SAFETY IN DESIGN

## for Working at Height

### Compliance without compromising your vision

Height safety doesn't have to be an ugly add on. Architectural features can be retained rather than obscured by fall prevention systems like guardrails visible over parapet walls. Engage Workplace Access & Safety's (WAS) fall prevention experts early in the design process for eminently practical yet aesthetically pleasing and usable solutions. Together, we can make height safety simple.

Workplace Access & Safety works with architects and designers to develop four reference documents that serve as a toolkit for procurement, construction and final hand-over:

#### 1 Scope of works and a specification

Specialist height safety designers review the concepts and can consult on alterations to the building design to eliminate risks and reduce the need for specialist equipment (which reduces cost in the construction phase and future building maintenance).

After reviewing your drawings or site, your consultant will identify the tasks demanding work at height and the areas where access is required. Minimum compliance requirements and response schedules for equipment will be prescribed and drawings can be provided detailing quantities and site-specific designs.

*Consistent and aligned with the overall design of the building*

#### 2 Risk assessment

In a highly visual report, WAS will identify hazards and apply a risk rating to assess risks in accordance with the likelihood and severity of injury – both while the equipment is being installed and during its years of maintenance.

#### 3 Design

*Architect gets more design control.*

Answering the risk assessment, WAS will design a system that indicates the height safety control for each of the hazards in line with the working at heights Hierarchy of Control, Safety in Design Code of Practice, Australian Standards, fall prevention legislation and the WHS Act.

*Client receives a system design that is consistent and fully aesthetically aligned.*

#### 4 Cost estimates

WAS provides detailed costings that your client can rely on and use to budget accurately, encapsulating the construction costs of fabrication, equipment and installation.

*Retain architectural features of the building*

## Design Brief

Whether you need to present a design brief to a client or incorporate requirements into a standard design template, Workplace Access & Safety can provide an unambiguous document to ensure compliant offerings.

## Design Projects



**Client:** Cox Architecture  
**Builder:** Probuild  
**Project:** ABC Southbank Redevelopment  
**Value:** \$176M

Design consultancy for height safety and fall prevention. Schematic design, design documentation, construction documentation.



**Client:** CA Architects  
**Builder:** Paynter Dixon  
**Project:** Cairns Convention Centre Upgrade  
**Value:** \$13M

Specialist Consultant – Safe Roof Access. Preparation of specification to meet Region D Cyclonic ratings. Preparation of roof layout plans and design detail overlayed onto existing CAD drawings. Issued Certificate of Compliance to Code of Practice for Safe Design of Structures (July 2012) for safety and design.



## Handover-ready *Safety in Design* package

With the scope of works, risk assessment and design complete, ask your Workplace Access & Safety consultant to prepare a handover-ready package that satisfies your safety in design obligations and makes perfect sense to builders.

### Bill of materials

All the details of the height safety system are spelled out in the comprehensive bill of materials. Beyond simple product specification and quantities, the bill of materials also explains how the height safety equipment is integrated into the structure so it can be installed seamlessly during the construction phase.

Australia's Safe Design of Structures Code of Practice demands designers eliminate hazards – both during the construction phase and in the decades of maintenance that follow – even before they are created. It's bankable compliance.

Why? Because buildings designed to be safer are also inherently easier and cheaper to manage over their lifetimes. The benefit is less paperwork, simpler equipment, less risk and more attention to aesthetics.

### Safety in design certificate

Complete the package with a safety in design certificate that confirms the entire height safety system – both the design and equipment laid out in the bill of materials – conforms to the Safety in Design Code of Practice, Australian Standards, fall prevention legislation and the WHS Act.

### Sequence of work reaps savings

The sequence of installation is planned to avoid out-of-sequence construction, expensive retro-fits and rectification work.

Ask us about our CPD presentations

**Safety in Design  
for Working at Height**



**Client:** Denton Corker Marshall  
**Builder:** Kane Constructions  
**Project:** Melbourne Grammar Science, Innovation & Technology Building  
**Value:** \$23M

Tender package for fall prevention system. Fall prevention system design, production of roof plans, specification of materials and scope of works, costing for the works. Safe design certificate to Denton Corker Marshall.



**Client:** City of Sydney  
**Project:** Heritage Building Upgrade St. Peters Town Hall Complex  
**Value:** \$600K

Design Consultancy Services. Review of routine maintenance access to roof, solar panels, and access through the ceiling to routinely maintained mechanical equipment. Preparation of a specification, design drawings. Certification of the design to Safe Design of Structures (COP, July 2012).



**Client:** MGS Architects  
**Project:** Heritage Building Renovation, Swanston St. Melbourne  
**Value:** \$1.5M

Consultancy Services for Height Safety and Roof Access. Performed a risk assessment, created a scope of works, a performance-based specification, bill of quantities. Marked-up CAD drawings and provided a certification of the design to Safe Design of Structures (COP, July 2012).

# Partner with Australia's most highly credentialed height safety designers

Established in 1997, Workplace Access & Safety is a market leader in height safety, with:

- An ISO 9001 certified design quality system
- Independent NATA-accreditation for design of fall prevention systems
- Its own NATA-accredited laboratory
- Licensed contractor status with state governments
- Offices in Sydney, Brisbane and Melbourne.

The company's client list includes government, construction and blue-chip companies.

Workplace Access & Safety is independently certified to Australian Standard AS/NZS 4801, the benchmark for full compliance to WHS/OH&S regulations.

Workplace Access & Safety's in-house team of professionals comprises architects, engineers, OH&S professionals, mechanical draftsmen, builders, fabricators, electricians and carpenters for a design that is both well thought-out and eminently buildable.

## Contact Us

Like to know more about *Safety in Design* for working at height?

Call **1300 552 984**, email [enquiries@workplaceaccess.com.au](mailto:enquiries@workplaceaccess.com.au) or visit [www.workplaceaccess.com.au](http://www.workplaceaccess.com.au)



### ISO 9001

Workplace Access & Safety operates an independently certified Quality Management System. The scope includes design, risk assessment and audit services, fabrication, construction and installation of fall prevention products for height safety.



### ISO 14001

Environmental Management System complies with the requirements of ISO 14001:2004 for: design, risk assessment and audit services, fabrication, construction and installation of fall prevention products for height safety including industrial fall arrest systems and safe access systems.



### AS/NZS 4801 Certified

Workplace Access & Safety are independently certified to Australian Standard AS 4801, the benchmark for full compliance to WHS/OH&S regulations.

T 1300 552 984 [www.workplaceaccess.com.au](http://www.workplaceaccess.com.au)

Victoria (Head Office) 42-46 Cochrane Rd., Moorabbin VIC 3189

New South Wales • Queensland • South Australia • Western Australia

