WHY CHOOSE PROSCAF

SafeSmart Access
Reaching new heights

NZ 0800 000 448 www.safesmartaccess.co.nz

SAFESMART ACCESS SERVICE PROMISE

RANGE

Proscaf offers the most comprehensive range of scaffolding components with over 2700 different components. Therefore the capabilities of the system are extensive including: Heavy Duty Loading/ Propping Towers, Craneable Scaffolds, Suspended/ Cantilevered Scaffolds, Stair Towers, Loading Bays, Facade Scaffolding, Bridging/ Clear Span Scaffolding, Roof Structures & Public Access Scaffolding.

In addition to the Proscaf range, SafeSmart Access stock a range of scaffolding equipment and site access systems which are commonly used by Scaffolding companies including Edge Protection, Stairs and Bridges & Maintenance Platforms.

DESIGN

SafeSmart Access offer design & engineering support for complex Proscaf projects. We work with design partners and engineers to provide complete design build methodology and engineering support. Our technical data documentation makes it simple for designers to produce streamlined scaffold designs that do not need to be 'over-engineered' as the load capacities are tested and stated.

RENTAL

Safesmart Access offers a range of rental and finance packages. We aim to help scaffold companies grow by offering a range of funding and rental options to support growth. We provide project specific support to help scaffolding companies get jobs they wouldn't normally be able to fund.
Our rental range also includes a range of height access equipment.

REWARDS

SafeSmart Rewards points are earned with every dollar you spend with us. Points can be redeemed on an incredible selection of over 5000 products such as sports and leisure equipment, computers and electronics, home decor and many more, which you can choose from our online rewards catalogue featuring leading big brand names. Get something back from your investment in Proscaf!

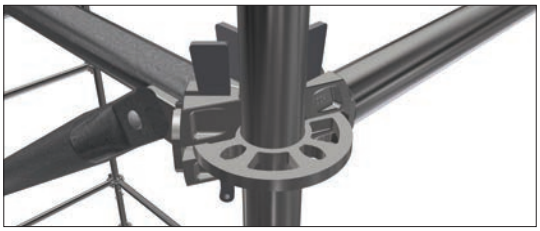
THE PROSCAF SECRET

Designed and engineered by SafeSmart Access, in New Zealand and Australia, Proscaf was developed with a clear vision in mind: to produce the safest, most efficient and highest quality scaffold system available.

As a result, the system took shape with key characteristics including:

Positive locking rosette connection:

The tested and rated locking connection between vertical components and horizontal components, as well as cross braces, allows for large hanging and craneable structures to be safely designed and built, to weight ratings exceeding heavy duty.

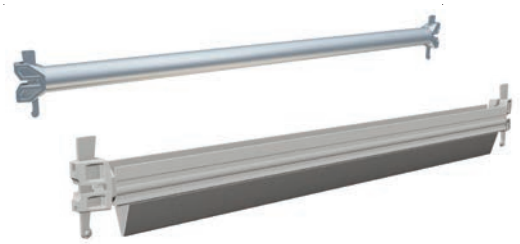


High load-bearing braces:

The Proscaf diagonal braces, used to lock scaffold bays together both vertically and horizontally, achieve substantial compression and tension loading, meaning less bracing is needed in structures than other scaffolding systems.

Tubular & U Transom:

With both Tubular and U Transom Ledger and Deck options, Proscaf can be used in many different scenarios. Lift off Locks can be used on the U Transom System which lock off planks against wind lift off.



High grade steel construction:

Steel batches are checked by Proscaf engineers before moving through to production. This ensures perfect product consistency and allows Proscaf to achieve the high loadings it's famous for.

World-leading galvanising procedure and coating:

Crucial for the longevity of the product, especially in harsh industrial environments, the Proscaf galvanising procedure results in the most consistent, thickest galvanising of any scaffold available.

Today, Proscaf is manufactured in our ISO9001 certified factory and distributed throughout the world.

STANDARDS NEW ZEALAND
PAEREWA AOTEAROA

STANDARDS Australia

bsi.

Complies with AS/NZS 1657

Certified System
Quality ISO 9001

ONE SYSTEM, ONE SOLUTION

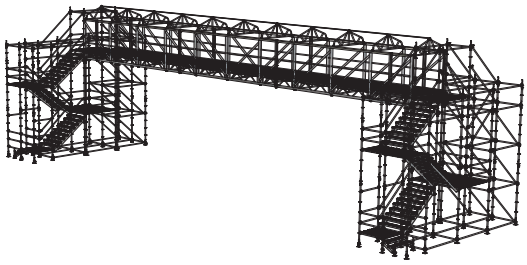
Proscaf is an all-in-one solution. With no other components aside from the Proscaf system, complex scaffold structures such as hanging, cantilevered, bridging and propping scaffolds can be built.

This means ultimate flexibility for scaffolders on site. Anything can be built utilising standard Proscaf components. **The sky's the limit**.

In addition to Proscaf system components, SafeSmart also manufactures complementary Proscaf system ranges which integrate with the Proscaf system, including:

SmartSpan: For long span bridging.

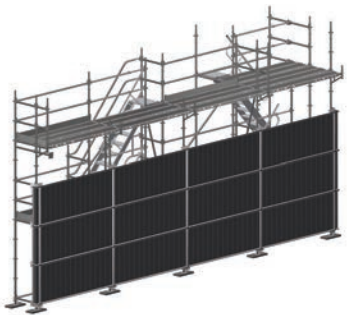
Achieves 30m+ spans at 5kPa or even longer spans at lower loadings.



SmartRoof: For encapsulation and weather protection.

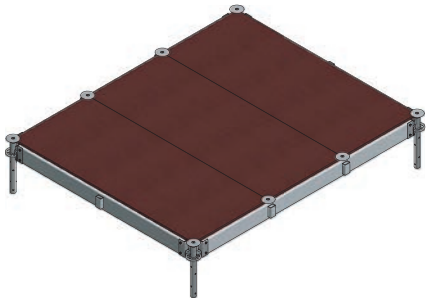
Fitted to the top of Proscaf structures. Integral keder tracks for speed and ease of use.

ProPanel: For neat encapsulation of Proscaf structures.



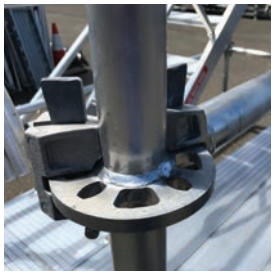
SwiftStage: The Proscaf staging system.

Create large, open stages quickly and neatly. Integrates with Proscaf public access components.



Proscaf Aluminium: Design flexibility and light weight.

For those jobs where you want the unique Proscaf difference but require the light weight and installation advantages that aluminium offers.



QUALITY & ENGINEERING

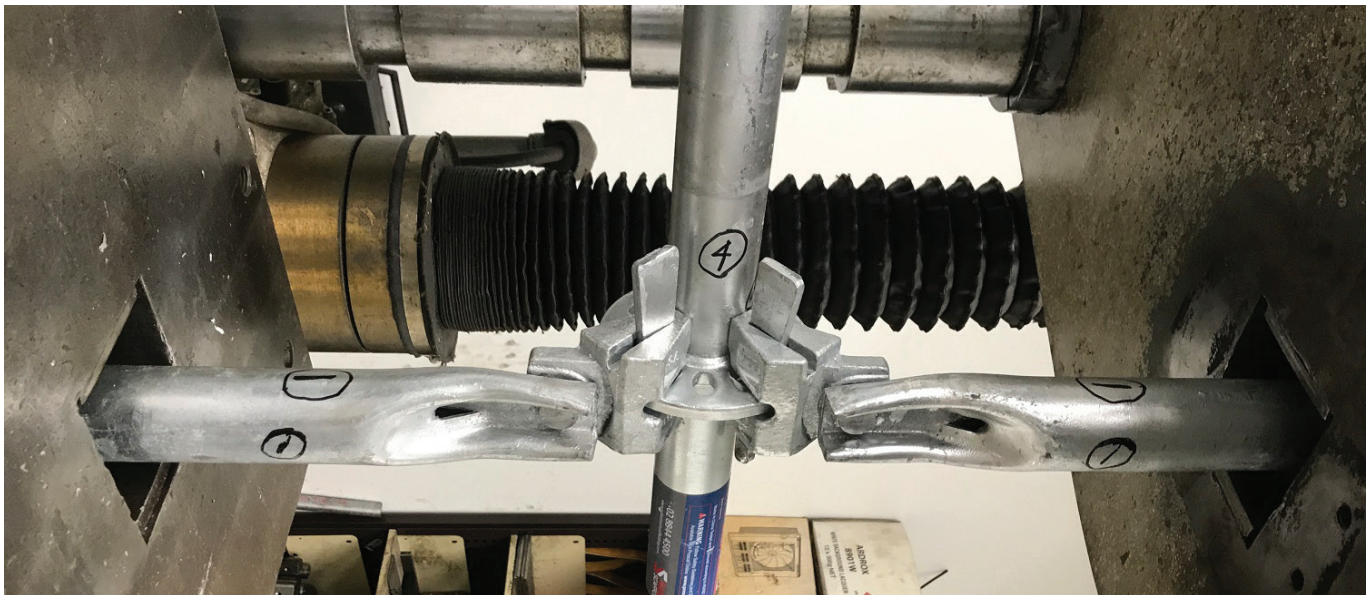
The Proscaf quality and engineering procedures are managed between two departments that work together to ensure the highest levels of quality and consistency: **Product Engineering**, and **Factory Quality Assurance**.

Product Engineering: This team controls all technical data relating to Proscaf components and material specifications. This information is utilised by the Factory QA department to ensure the consistency and quality in manufacture.

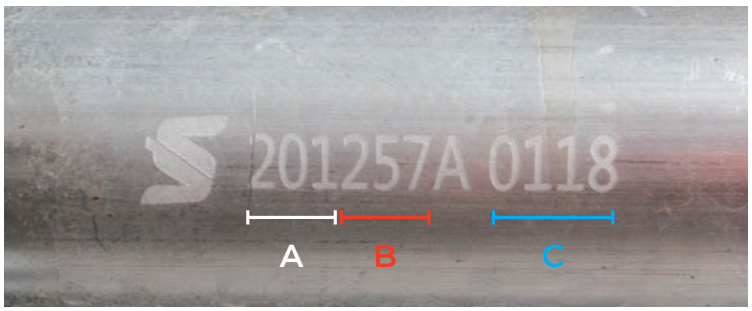
Factory Quality Assurance: All Proscaf-manufactured products are controlled by factory

QA. This includes; material testing and approval, manufacture/welding checks, galvanising tests, and batch marking and stamping upon completion of manufacture.

In addition to this process, a program of individual component testing is carried out in conjunction with independent testing agencies, to verify component consistency and strength. This is also used in engineering calculations vital to Proscaf technical data sheets on each component.



Proscaf products are batch stamped in the process of quality control, for traceability and identification as a genuine Proscaf part.



A: 3 digits: item 'group' code.
B: 3 digits: item length.
C: 4 digits: batch code for traceability.

To meet the standard - Manufactures must display the batch ID on each component.

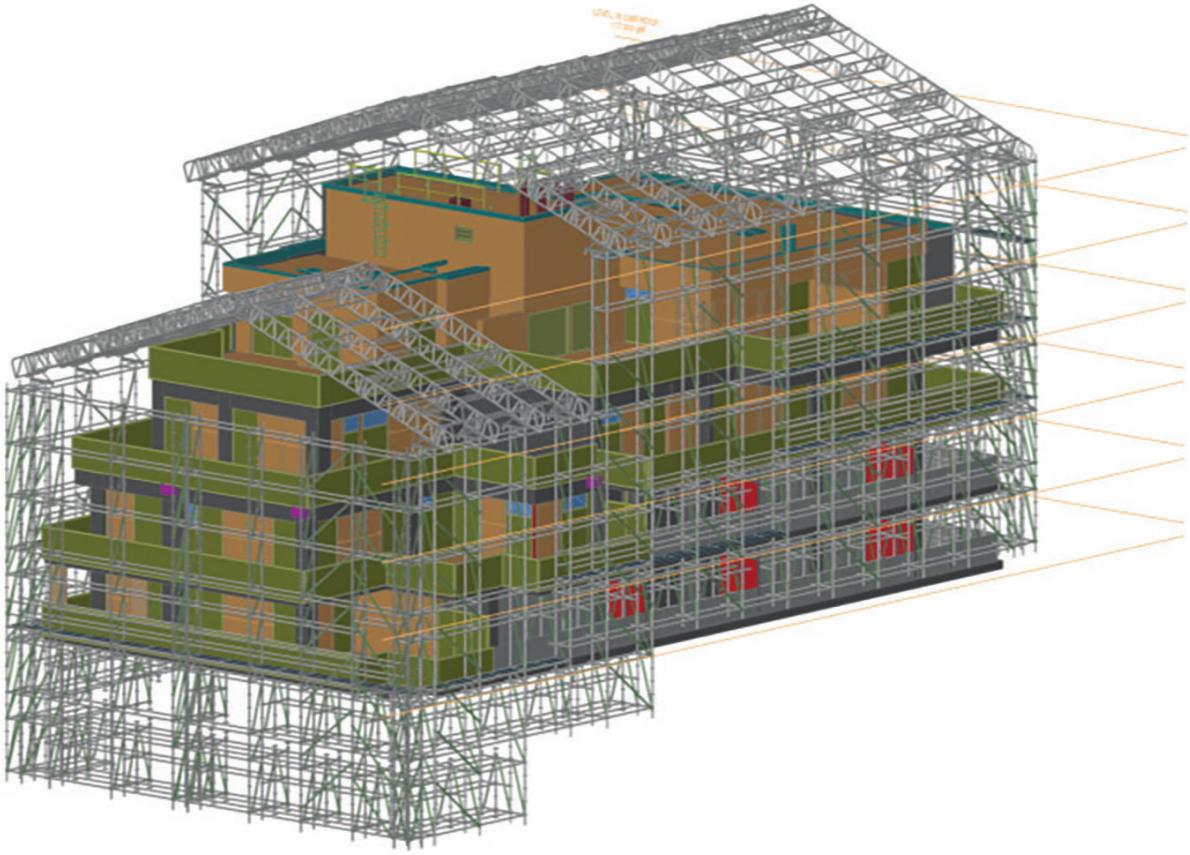
ENGINEERING SUPPORT

Extensive technical data is available for individual Proscaf components. This is used in structure design to verify capacities of installations.

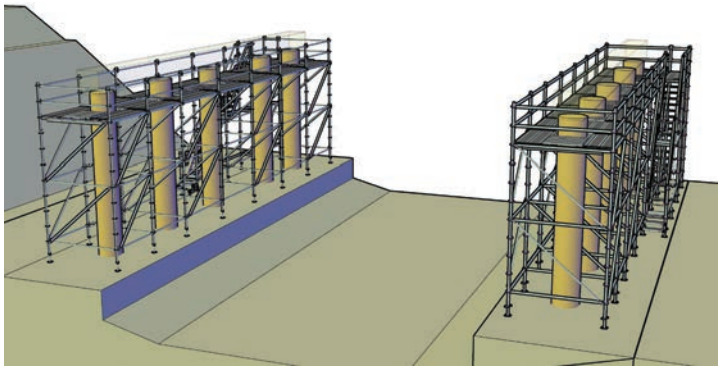
Stress points in Proscaf structures are quickly determined through engineering analysis of designs, through analysing the load limits of individual components that make up the structure.

The technical data pack detailing Proscaf components, make it simple for designers to produce **streamlined scaffold designs**; load capacities are clearly stated, so there is no need or tendency to 'over-engineer'.

For those with in-house CAD design and analysis capacity, a Proscaf CAD package is available through SafeSmart Access.



CONCEPT



REALITY

COMPLIANCE AND PROJECT SUPPORT

When undertaking complex scaffolding projects, its important to have clear, comprehensive documentation to ensure that safety risks are reduced and correct processes are followed.

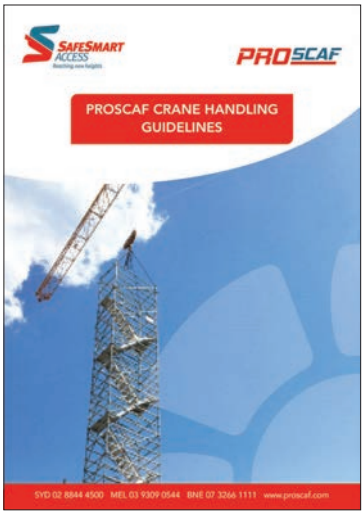
That's why Proscaf is supported with a wide-ranging package of guideline documents, for many different applications.

Along with the Technical Data and CAD package, these guidelines are a valuable tool to aid in scaffold design and to streamline scaffold build methodologies.

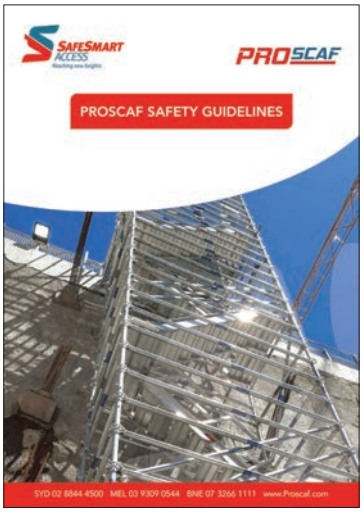
These include the booklets below and more;

PROSCAF INSTALLATION METHODOLOGY:

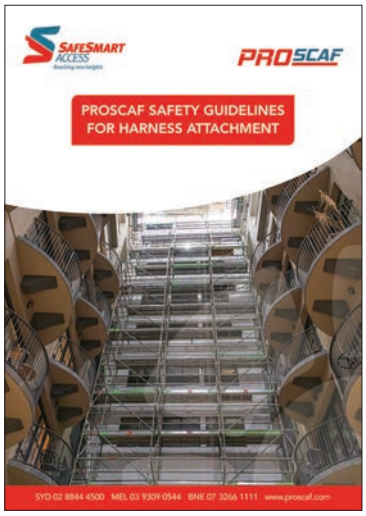
PROSCAF GUIDELINES FOR CRANE HANDLING:



PROSCAF SAFETY GUIDELINES:



PROSCAF GUIDELINES FOR HARNESS ATTACHMENT:



PROSCAF CRANEABLE TOWER DESIGN METHODOLOGY:

DECKS & GAP COVER SOLUTIONS

Proscaf has a range of proprietary system components that are used to ensure that gaps in the scaffold can be eliminated or minimised efficiently.

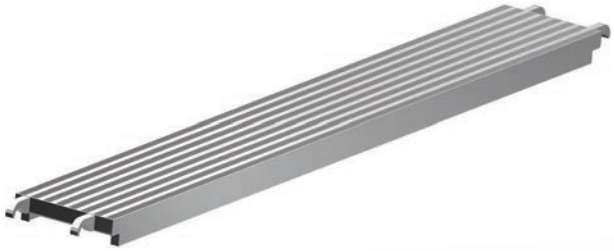
These items include;

PLANKS

Aluminium Tubular Deck

Aluminum decks are designed to reduce the weight of a scaffold structure.

This deck exceeds the heavy duty rating, a premium solution for a technical project.



Steel Tubular Deck

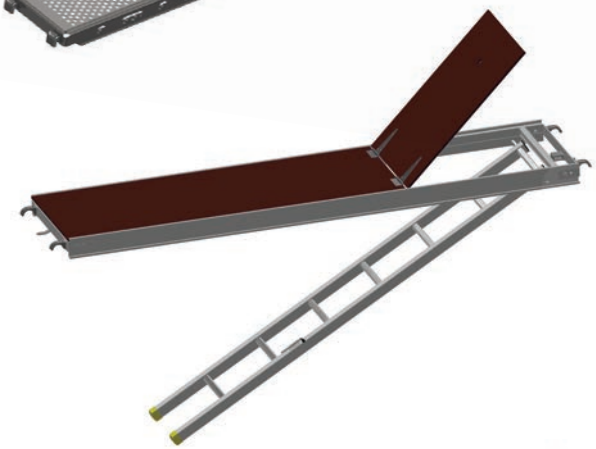
Proscaf Tubular deck are rated to heavy duty. They have handles to assist lifting and punched sides to decrease weight without compromising on strength.

Steel U Transom Deck

Proscaf U-transom deck is rated to heavy duty. They have handles to assist lifting and punched sides to decrease weight without compromising on strength.

Hatch with Integrated Ladder

The Proscaf hatch decks are a study, robust design. The frame and drop-down ladder are made from lightweight aluminium and the deck is made from ply with an anti-slip surface. 2.07m & 2.57m hatch decks are weight rated at 450kg & 3.07 is weight rated at 225kg.



GAP COVER SOLUTIONS

Lift-off Lock

To create a flush transition over the transom, from plank to plank. Required for the U-Transom deck. Also locks the decks into place when installed.

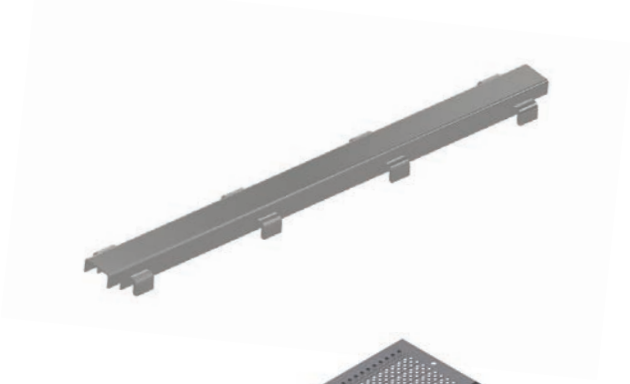
Gap Cover Ledger

These are used at the base of a stair riser, to continue the landing beneath the step above.

GAP COVER SOLUTIONS

Gap Cover Channel

This channel is a handy item, used to create a flat working deck with the U-Transom system where 2 standards are joint side by side.

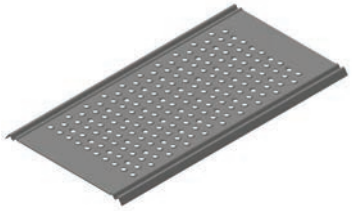


Gap Cover Plank

Gap cover planks are used to span between offset scaffold bays. Around tanks and difficult projects. Designed with 45Deg angle to meet the scaffold standards.

Gap Cover Lap Plate

The gap cover plate covers the space between a cantilever bracket and the adjacent scaffold bay. Or providing a seamless surface on a birdcage deck.



Retainer Pin

To provide a lift off lock for the gap cover plank and plate.

TRANSOMS

Deck to Deck and Deck to Ledger Transoms:

These are used when there are structures protruding through the working platform of the scaffold. They ensure a flush deck finish, and are safer and neater than using timber or Steel Lap Planks. Utilising these components eliminates the trip hazard or tie down requirement that Lap Boards create.

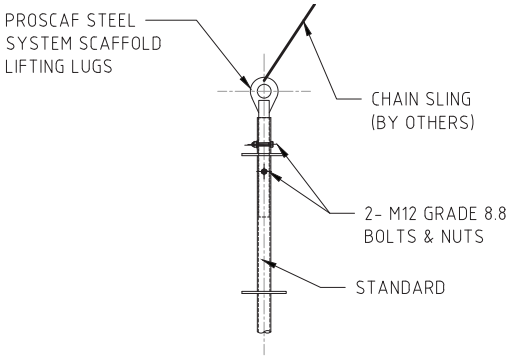
Deck-to-Deck Transom

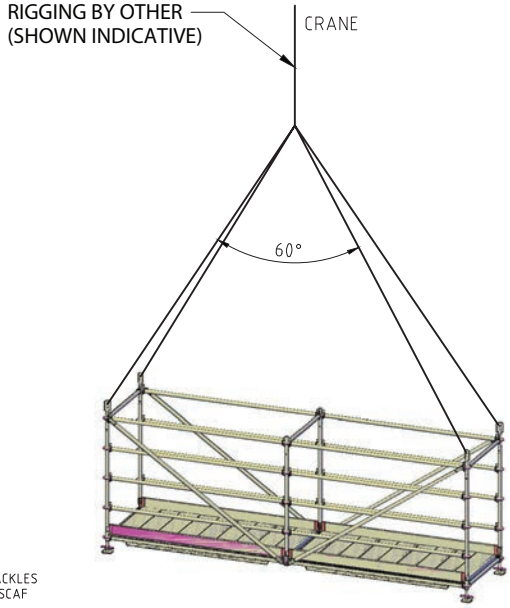
Deck-to-Ledger U-Transom

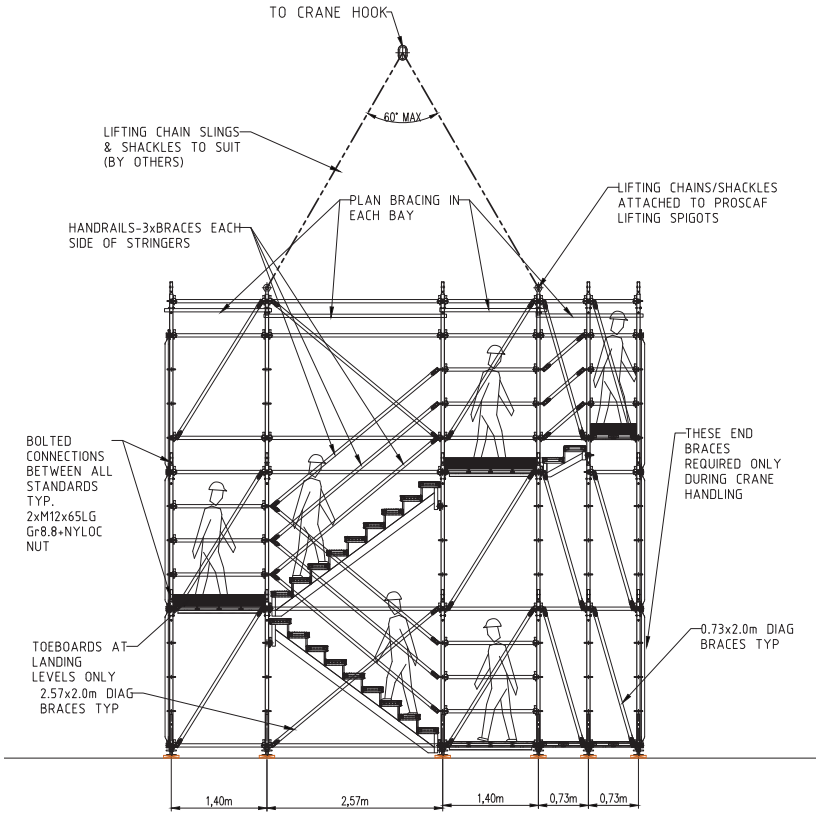
Deck-to-Deck Transom - Tubular

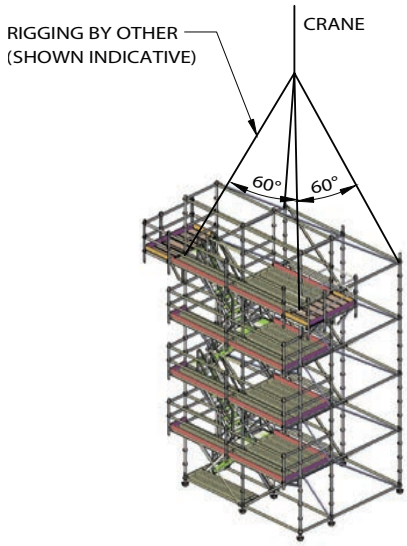
CRANE & LIFTING

The locking properties of Proscaf makes it the ideal system to use in creating craneable or suspended structures. Component load rating data, such as the hanging capacity of the legs and tension on the ledgers and braces, is used to verify craneable or hanging structures. Below are some examples showing how Proscaf structures can be lifted. Contact SafeSmart Access for technical data on lifting components and lifting advice for Proscaf structures.



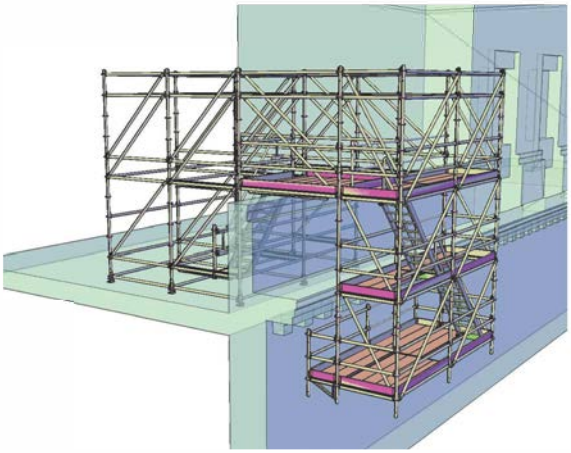






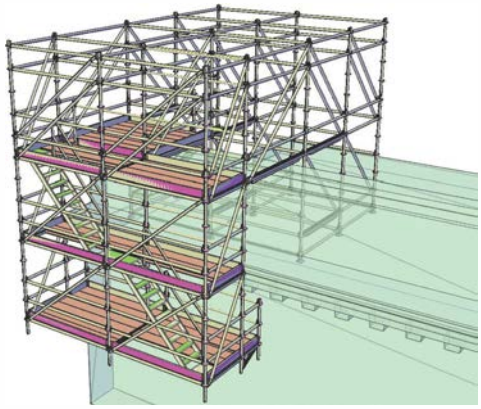
SUSPENDED/CANTILEVERED SCAFFOLDS

- The high capacity of the double-bolt standards, along with the load-bearing braces and node-to-node connection, means that with Proscaf large, suspended scaffold structures can be built without the requirement of additional material. No splicing or support beams needed!
- Load bearing braces allow for cantilevered or suspended bays to be progressively installed, safely from behind a work deck or handrails.
- The higher capacity of braces and other components allows for larger cantilevered spans without non-system components being used for support.
- Rated harness attachment points are used as an added safeguard to ensure user safety.
- In design, all scaffolds are inherently crane liftable – building at ground level and lifting modules into position can reduce cost and minimise working at height risk.



ISOMETRIC VIEW

NOT TO SCALE

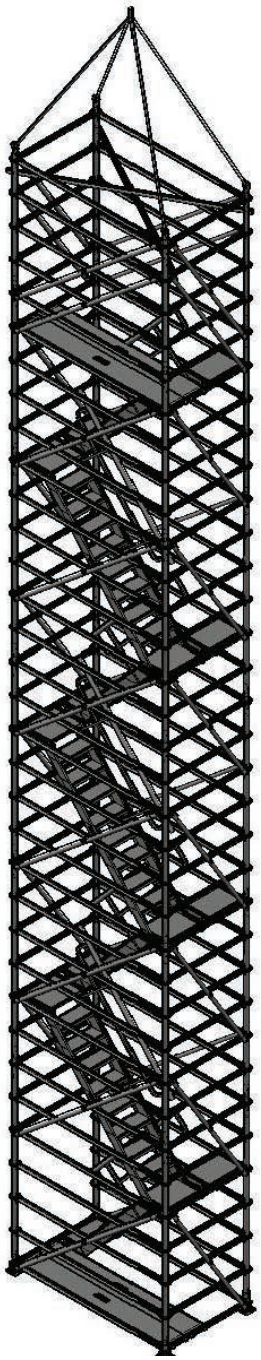


ISOMETRIC VIEW

NOT TO SCALE

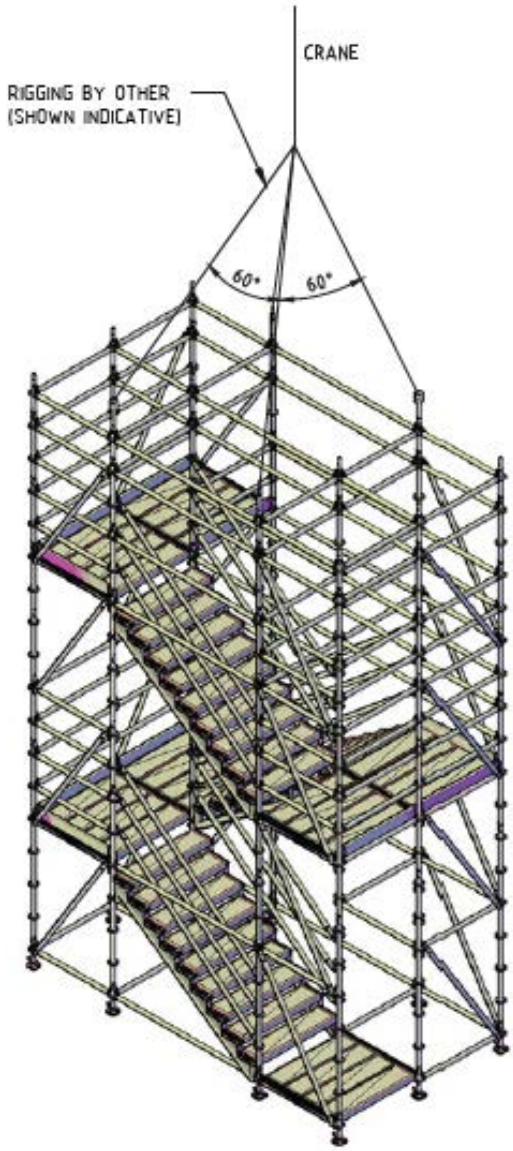
CONSTRUCTION STAIR TOWERS

- 2m lift heights ensures access heights meet working platform heights, in typical building structures.
- Stairs are fully craneable using only Proscaf proprietary components.
- 2m lift heights allow for stairs to be installed parallel to working deck, to reduce stair footprint and maximise configuration flexibility.
- Lift off prevention devices to guard against accidental or wind load imposed lift off.
- Lightweight but strong Aluminium construction; ridged, slip resistant step treads for safety in all conditions.



STRETCHER STAIR TOWERS

- Public Access Compliant Stringers and Childproof guardrails available - fully public compliant site accommodation access is achievable
- Stair Stringers act as diagonal bracing meaning less ledgers and braces are required to be installed
- Stairs are fully craneable, using only Proscaf proprietary components

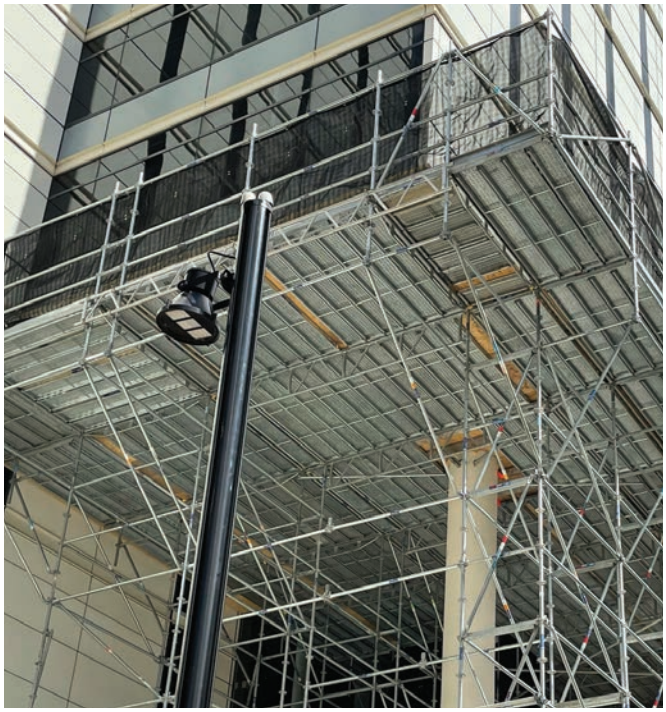


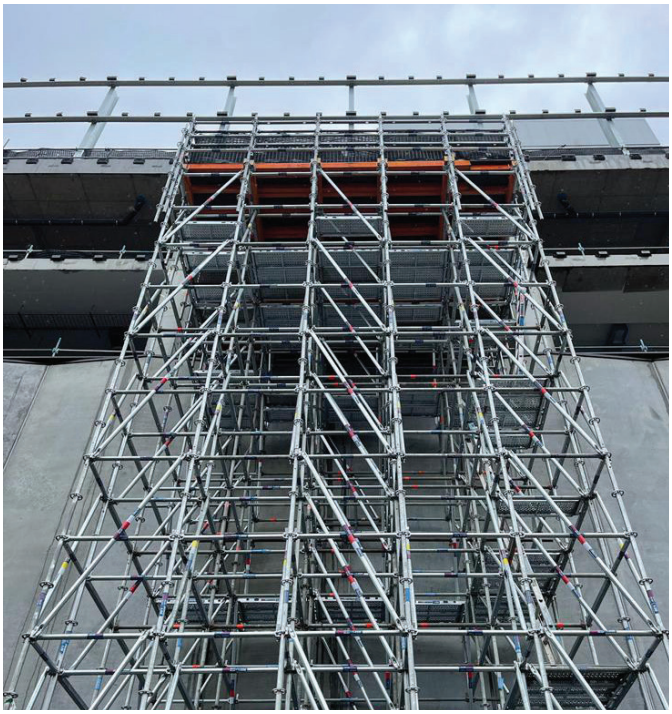
HEAVY DUTY LOADING / PROPPING

- High leg loads achieved with Proscaf make high strutting and propping projects safe and efficient. Technical information is available to aid design.

LOADING BAYS

- High load capacity and leg loads achievable with Proscaf means less material and structure is needed to build heavy duty loading bays.
- Increased plank capacity for heavy duty loads; a Proscaf 2.57m plank is suitable for 7.9kPa allowable loading.
- Node to node brace connection for increased rigidity in loading bays.





FACADE SCAFFOLDING

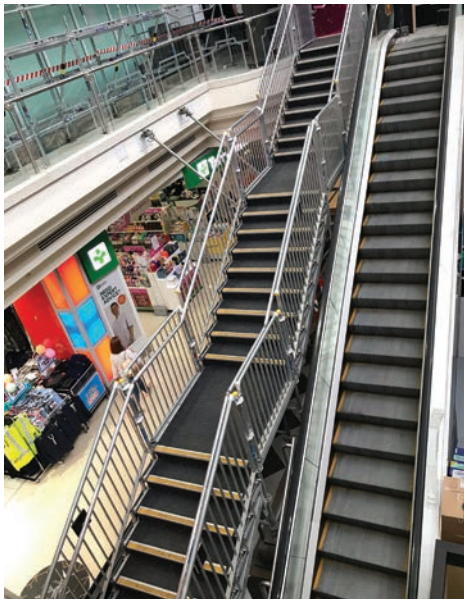
- Base collars are used to ensure minimal labour is needed during base out – designed to be completed with one person.
- Integrated stair and ladder access systems save time and labour.
- Proscaf load bearing braces allow for bridging working platforms, reducing material and footprint on the ground. The requirement for additional materials eg ladder beams is removed.
- Wider planks (320mm) and longer working bays mean less components are used in the scaffold, reducing time and build complexity.
- Folded steel toeboards are lightweight, durable and simple to use – simply lock in behind the wedge head.
- Tubular stiffeners underneath Proscaf planks ensure a solid, 'bounce-free' working platform, and also act as handles to aid install from the lift below.
- A wide range of hop-up and gap cover solutions are available for a close finish to the building or work area.

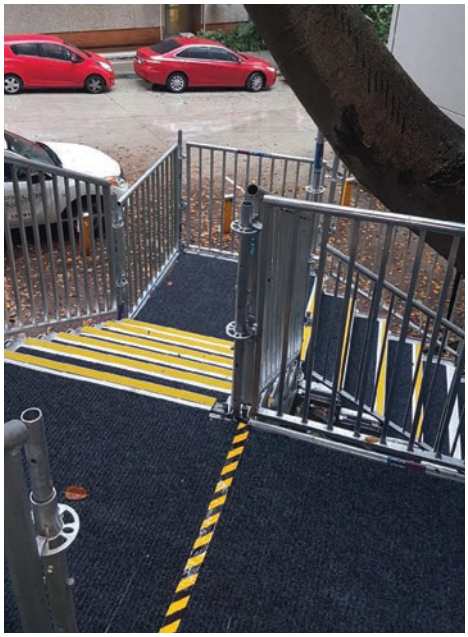
CLEAR SPAN / BRIDGING

- Where on-site access is required over obstructions or roads and walkways, Proscaf is used to provide a pre-engineered, compliant solution – without the requirement for external components such as heavy support beams.
- A constant platform height is maintained on bridging structures, as the spans are built directly off node points. Other systems may require support beams which lead to irregular step and platform heights.

PUBLIC ACCESS STAIRS

- Utilise Proscaf public access components to create a system suitable for pedestrian access
- Stair treads (rise and going dimensions) and other system components are designed to comply with public access requirements (where applicable)
- Ideal for projects at schools, train stations, hospitals, and other high traffic areas
- Includes continuous guardrails and flooring





PEDESTRIAN ACCESS RAMPS / WALKWAYS

- Create ramps suitable for high traffic, public pedestrian access
- Available with flooring and continuous handrail solutions
- Designed and engineered for public access
- Ideal for high traffic, high profile projects

TERMS & CONDITIONS

2. SafeSmart Access has made every effort to portray accurate descriptions and information within this catalogue.
   No liability is accepted in the event of errors or omissions.
3. Where specifications are provided they are intended as a guide only. Please enquire from our staff for full details of product at time of enquiry.
4. Products may be deleted, amended, substituted or changed at the sole discretion of SafeSmart Access.
5. The customer/user must establish the suitability of the product purchased for their own safe use.

PROSCAF

BY

SAFESMART ACCESS

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www.proscaf.com