

LADDER SOLUTIONS SECTION 07



LADDER CAGES AND GUARDRAILS

ENGINEERED LADDER SAFETY SYSTEMS PROVIDING CONTROLLED VERTICAL ACCESS AND FALL PROTECTION ACROSS INDUSTRIAL, INFRASTRUCTURE AND PLANT ENVIRONMENTS.

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MEZZANINE LADDERS

LADDER ACCESS SOLUTIONS DESIGNED TO SUPPORT SAFE MOVEMENT BETWEEN FLOOR LEVELS, MEZZANINES AND ELEVATED PLATFORMS WITHIN INDUSTRIAL AND COMMERCIAL FACILITIES.

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PIT ACCESS LADDERS

PURPOSE-DESIGNED LADDER SYSTEMS ENABLING SAFE ENTRY AND EXIT FOR INSPECTION AND MAINTENANCE WITHIN PITS, TRENCHES AND BELOW-GROUND SERVICE AREAS.

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INFRASTRUCTURE SERVICE ACCESS LADDERS

ACCESS LADDER SOLUTIONS DEVELOPED TO SUPPORT INSPECTION, SERVICING AND MAINTENANCE OF INFRASTRUCTURE, UTILITIES AND SITE ASSETS.

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LADDER CAGES AND GUARDRAILS

STAIRS & RAMPS



STAR ALUMINIUM LADDER CAGES AND GUARDRAIL SYSTEMS ARE ENGINEERED TO PROVIDE COMPLETE FALL PROTECTION FOR PERSONNEL ACCESSING ELEVATED AREAS WITHIN INDUSTRIAL, INFRASTRUCTURE AND PLANT ENVIRONMENTS.



MODULAR CAGE BODIES AND COMPONENTS ALLOW SYSTEMS TO BE CONFIGURED TO SUIT SPECIFIC ACCESS REQUIREMENTS AND SITE LAYOUTS.



ADJUSTABLE LANDING PLATFORM OPTIONS ENABLE SMOOTH AND SECURE TRANSITIONS BETWEEN LADDERS, MEZZANINES AND ELEVATED WORK AREAS.



OPTIONAL LOCKABLE ENTRY SOLUTIONS ALLOW LADDERS TO BE SECURED WHEN NOT IN USE, SUPPORTING SITE SAFETY MANAGEMENT AND ACCESS CONTROL.



EACH LADDER CAGE SYSTEM IS SUPPLIED WITH AN ENGINEER-CERTIFIED COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS.



BACKED BY A LIFETIME STRUCTURAL WARRANTY



AUSTRALIAN
OWNED & OPERATED



27+ YEARS IN
BUSINESS



STRUCTURAL
LIFETIME WARRANTY



MANUFACTURED
TO AS/NZS STANDARDS



CUSTOM DESIGN
AVAILABLE



LADDER CAGES AND GUARDRAILS

STAIRS & RAMPS

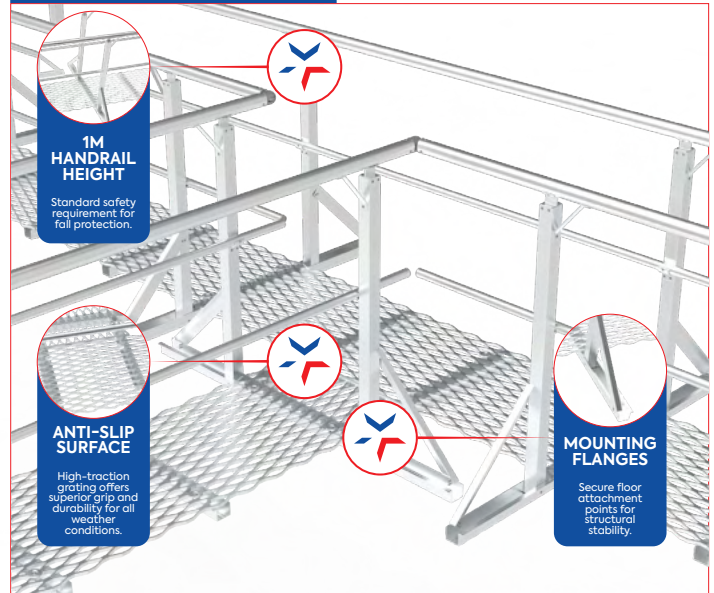


LADDER CAGE



OPTIONAL

GUARDRAILS



SCAN ME FOR MORE



LANDING PLATFORMS



POWDER COATING



ROOF WALKWAY SYSTEM



LOCKABLE HATCH



FITTED COMPLIANCE PLATE

Supports WHS requirements and site compliance.



A manufacturing business engaged Star Aluminium to provide safe and compliant roof access for ongoing maintenance activities at their facility. As a new client, they approached Star Aluminium directly after identifying the need for a cage ladder system to support gutter maintenance and access to rooftop solar installations.

PROJECT USE-CASES

MANUFACTURING FACILITY ROOF ACCESS

PROJECT FOCUS

The project focused on delivering a vertical access solution capable of supporting routine roof maintenance tasks within an active manufacturing environment. Key requirements included:

- ✕ Safe access to roof areas for gutter cleaning and inspection.
- ✕ Reliable access for servicing rooftop solar panels.
- ✕ A ladder system suitable for extended vertical heights.
- ✕ Compliance with workplace safety requirements for working at height.



THE COMMERCIAL ADVANTAGE

The cage ladder installation delivered clear benefits for the manufacturing facility:

- ✕ Maintenance tasks can now be carried out safely and efficiently.
- ✕ Reliable roof access reduces reliance on temporary access equipment.
- ✕ Improved access supports ongoing asset maintenance and solar system performance.
- ✕ The compliant ladder solution provides long-term confidence in site safety management.



THE ENGINEERED SOLUTION

Star Aluminium engineered and supplied a cage ladder tower exceeding 11 metres in height to meet the site requirements:

- ✕ The ladder cage provides controlled vertical access with integrated fall protection.
- ✕ Robust aluminium construction delivers durability while remaining suitable for industrial environments.
- ✕ The system was designed to integrate with the existing building structure and roof access points.
- ✕ Engineering certification and compliance features were incorporated to support safe use.





A food processing and cold storage operator engaged Star Aluminium to deliver cage ladder tower access across their refrigerated room infrastructure. The project required safe and efficient access over multiple cool rooms, as well as roof access from one end of the facility to support ongoing maintenance activities.

PROJECT USE-CASES

FOOD PROCESSING & COLD STORAGE FACILITY

PROJECT FOCUS

The project focused on providing safe vertical access solutions suitable for use within a temperature-controlled industrial environment. Key requirements included:

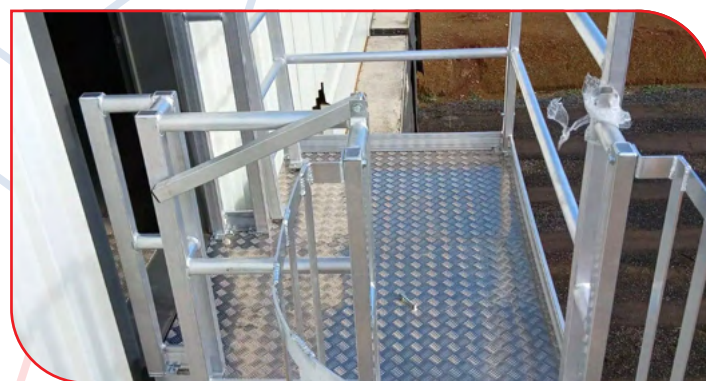
- ⊗ Safe access over the top of refrigerated rooms for inspection and servicing.
- ⊗ End-to-end access across multiple cool room structures.
- ⊗ Ladder systems are suited to differing height requirements within the same facility.
- ⊗ A solution that would not disrupt daily operations.



THE COMMERCIAL ADVANTAGE

The cage ladder tower systems delivered measurable operational benefits for the facility:

- ⊗ Safe and reliable access enables routine maintenance without interrupting operations.
- ⊗ Reduced downtime supports consistent facility performance.
- ⊗ Purpose-designed access improves workplace safety and risk management.
- ⊗ The tailored ladder solution supports long-term maintenance planning across the site.
- ⊗ Reliable roof access reduces reliance on temporary access equipment.



THE ENGINEERED SOLUTION

Star Aluminium engineered and supplied two cage ladder towers tailored to the site layout:

- ⊗ One cage ladder tower was designed to reach a height of approximately 8 metres.
- ⊗ A second tower, approximately 5 metres high, provided access from the opposite end of the facility.
- ⊗ Both systems deliver enclosed ladder access with continuous fall protection.
- ⊗ Aluminium construction ensures durability and suitability for food processing environments.
- ⊗ The ladders were engineered to meet safety and compliance requirements for ongoing use.