Monkeytoe

PRODUCT SPECIFICATION SHEET

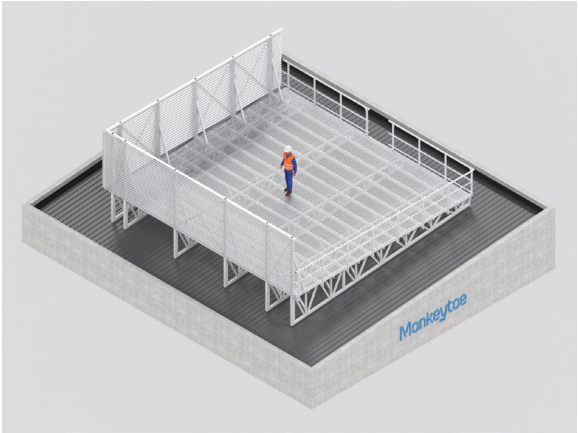
Optimised HVAC Plant Platform

PRODUCT DESCRIPTION

Monkeytoe mesh platform system ensures the simple effective installation and mounting of either a series of condenser units, large package units or any heavy duty equipment.

TYPICAL USES / APPLICATIONS

- Rooftop mounting for air conditioning units
- Hot water cylinder units
- Helicopter pads
- Industrial maintenance platforms
- Viewing decks
- Landings for roof area entry and exit
- Telecommunication service decks



CHARACTERISTICS / ADVANTAGES

- Lighter than steel structures
- Non-slip amplimesh surface
- Pre-engineered proprietary system
- Less impact than steel platforms on support structures
- Prefabricated modular componentry ensures fast onsite install
- No onsite welding / hot work requirements
- Supports up to 5.0kPa
- Low maintenance and neat appearance
- Can be walked into position
- Modular design
- System uses the unique Monkeytoe clips, non penetrating tape down, or a combination of both where required.

TESTS

APPROVALS / STANDARDS

- Physical/Practical load testing of roofing clips witnessed by independent engineers
- Physical in-situ acoustic testing conducted by Norman Disney & Young Consultants.
- Structural design certificate signed off by certified Australian engineer

WARRANTY

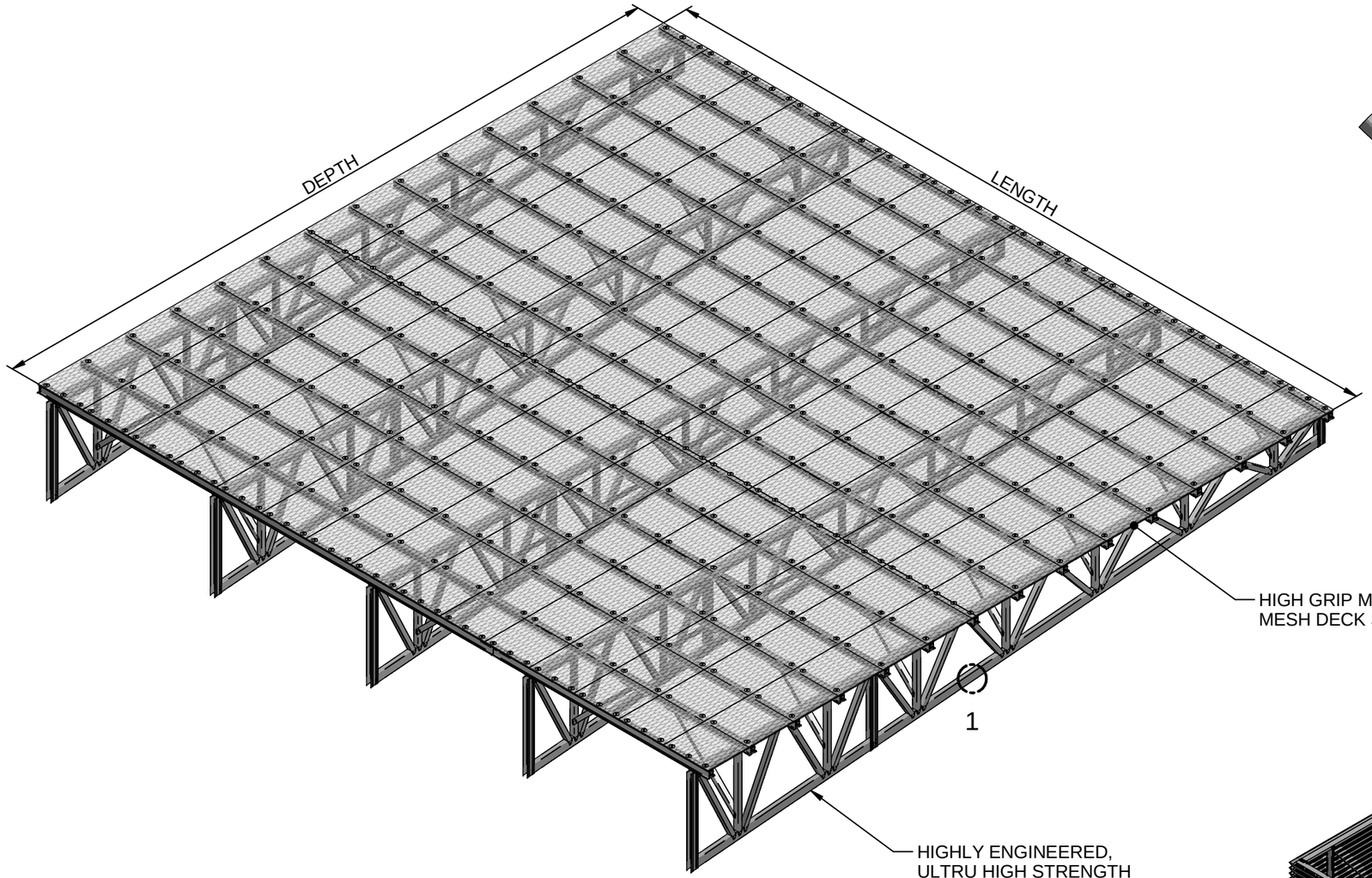
15 years product warranty

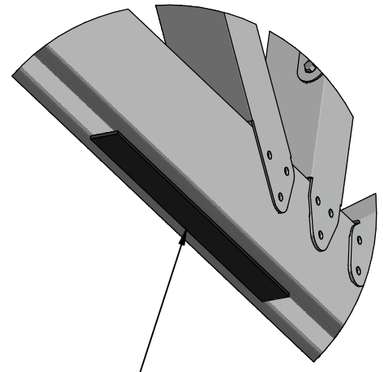
TECHNICAL DATA / MATERIALS

- High tensile strucutral T6 marine-grade aluminium
- Fixings: Stainless steel 304 grade
- Roof connections:
  - Roofing clip – High density polyethylene, UV resistant
  - Class 4 galvanised roofing jacking stud
  - Neoprene sealing washers
  - Tape down, non penetrating connection (In high wind zones or where screens more than 2m are required this may need to be accompanied by localized mechanical fixings.)

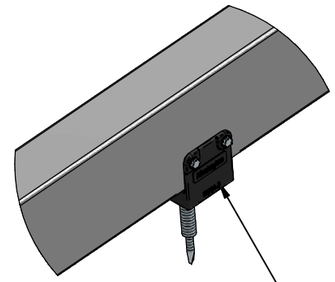
MAINTENANCE

- It is recommended that plant platforms are included in the standard ‘building warrant of fitness’ inspections.
- All damage or loose fixings to be reported immediately to asset manager or building owner for correction.





PLATFORM FIXINGS:
- TAPEDOWN (INTO PAN)

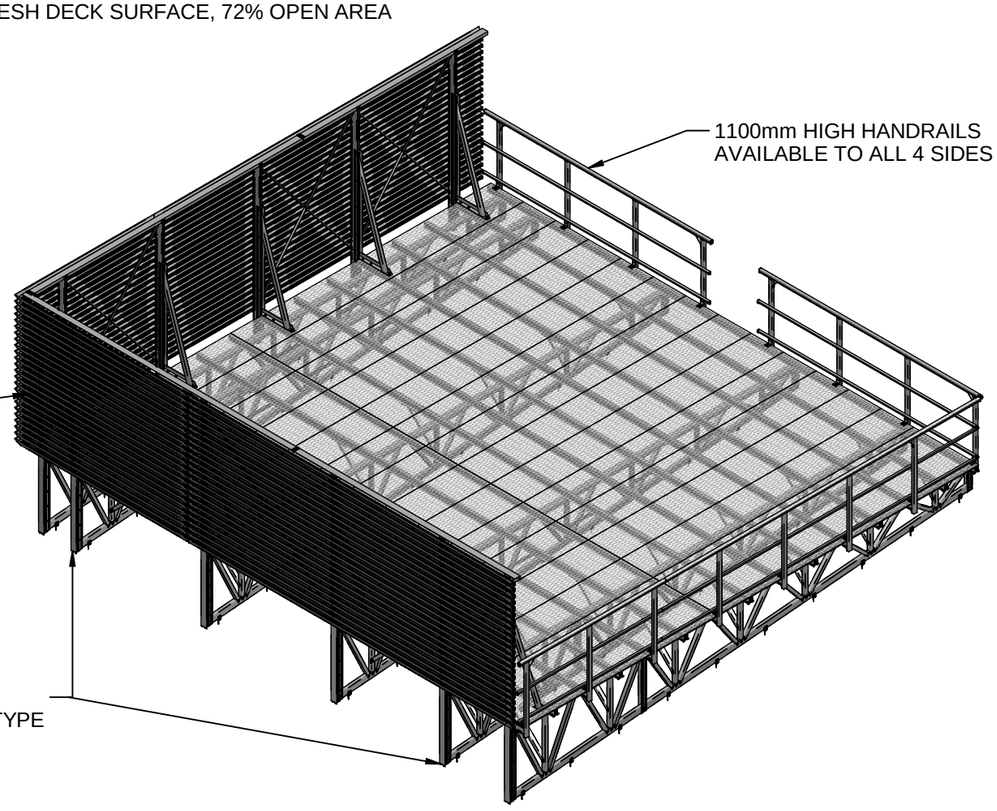


PLATFORM FIXINGS:
- MONKEYTOE TOP FIX CLIP (ONTO RIDGE)
*SEE CLIP FIXING DETAIL DRAWINGS FOR OPTIONS

DETAIL 1
(FIXING OPTIONS)
1:5

HIGH GRIP MARINE GRADE ALUMINIUM MESH DECK SURFACE, 72% OPEN AREA

HIGHLY ENGINEERED, ULTRU HIGH STRENGTH TRUSS ASSEMBLY



SCREEN OPTIONS INCLUDE BUT NOT LIMITED TO:
MONKEYTOE LOUVRES
MONKEYTOE LOUVRES + ACCOUSTIC SCREENING
ACCOUSTIC SCREENING ONLY
PERFORATED SHEET SCREENS

STANDARD HEIGHTS (ABOVE DECK LEVEL):
1500mm
1800mm
2400mm
3000mm

OTHER HEIGHTS AND SCREENS AVAILABLE ON REQUEST BUT WILL REQUIRE CUSTOM DESIGN.

ADDITIONAL TRUSSES REQUIRED DEPENDANT ON SCREEN HEIGHT/TYPE AND WIND ZONE.

FOR CUSTOM DESIGN PLEASE SUPPLY THE FOLLOWING INFORMATION :

1.PLATFORM SURFACE DIMENSIONS
2.PLATFORM LOADS : NO. OF SERVICE PERSONEL AND EQUIPMENT WEIGHTS
3.ROOF CLADDING, PITCH AND PURLIN SPACING
4.GEOGRAPHIC LOCATION AND SOIL CLASS (AS/NZS1170)
5.BUILDING IMPORTANCE LEVEL (AS/NZS1170)
NOTE: MONKEYTOE IS NOT RESPONSIBLE FOR DETERMINING THE SUITABILTY OF THE BUILDING STUCTRE TO SUPPORT THE PLATFORM-PLATFOMS CAN BE DESIGNED TO SPECIFIC LOADINGS AND SUPPORT CENTRES IF REQUIRED

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AUSTRALIAN OPTIMISED PLATFORM SPECIFICATION		
MONKEYTOE		
DWG No: MP-AUOP-SPSH-01		1/04/2019
	SHEET 1 OF 2	A3
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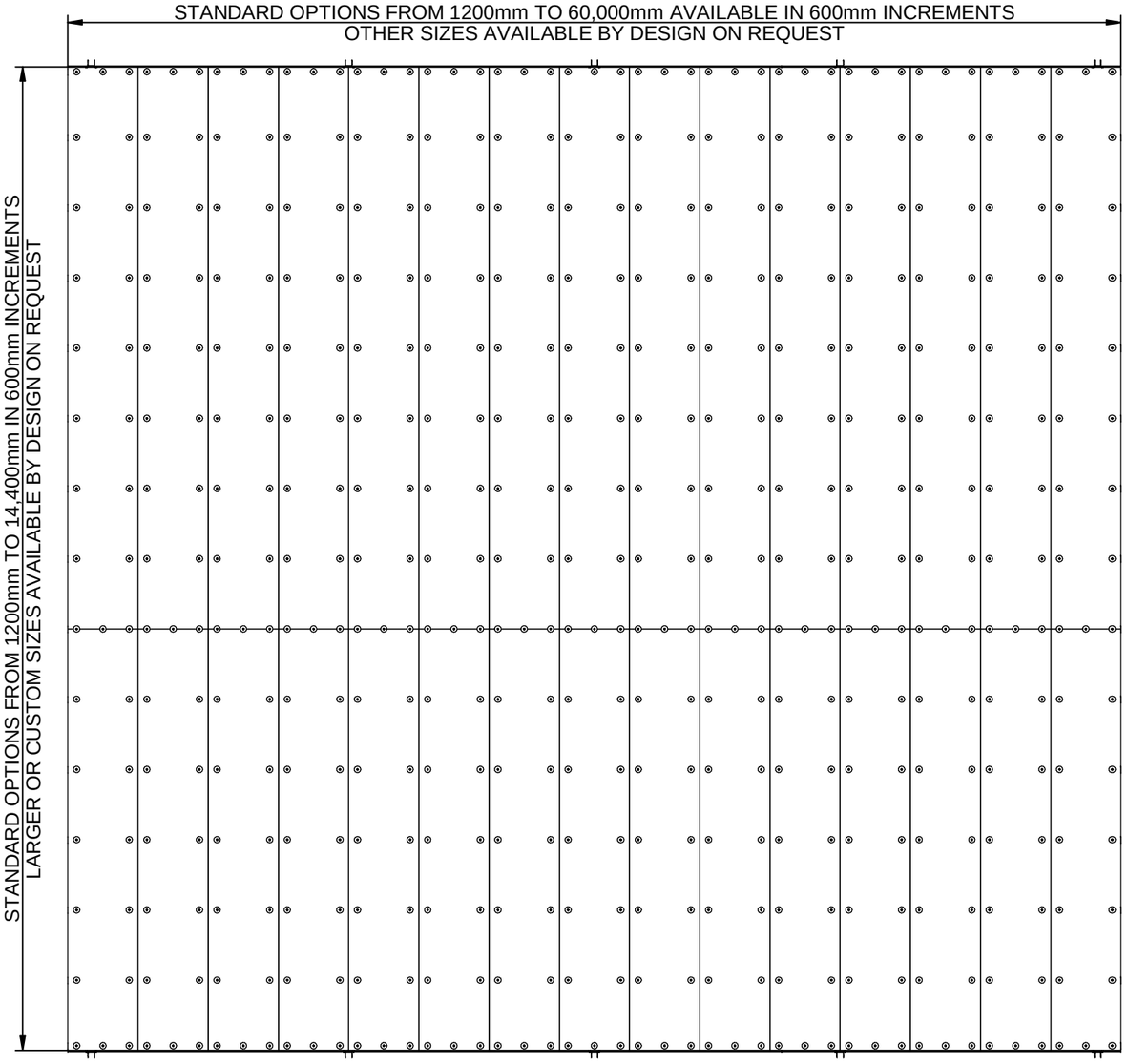


PLATFORM LOADS @ 1200mm PURLIN CENTERS

MAX. TRUSS SPACING	MAX. IMPOSED LIVE LOAD	TRUSS MOUNTED SCREEN HEIGHT / WIND LOAD CAPACITY			
		1500mm	1800mm	2400mm	3000mm
2400mm	2.5kPa	4kPa	3kPa	1.75kPa	1.0kPa
2000mm	3.0kPa	4kPa	3.5kPa	2kPa	1.5kPa
1200mm	5.0kPa	4kPa	4kPa	3.45kPa	3kPa

PLATFORM LOADS @ 900mm PURLIN CENTERS

MAX. TRUSS SPACING	MAX. IMPOSED LIVE LOAD	TRUSS MOUNTED SCREEN HEIGHT / WIND LOAD CAPACITY			
		1500mm	1800mm	2400mm	3000mm
2400mm	2.5kPa	4kPa	4kPa	2.5kPa	1.5kPa
2000mm	3.0kPa	4kPa	4kPa	3kPa	1.85kPa
1200mm	5.0kPa	4kPa	4kPa	4kPa	3kPa

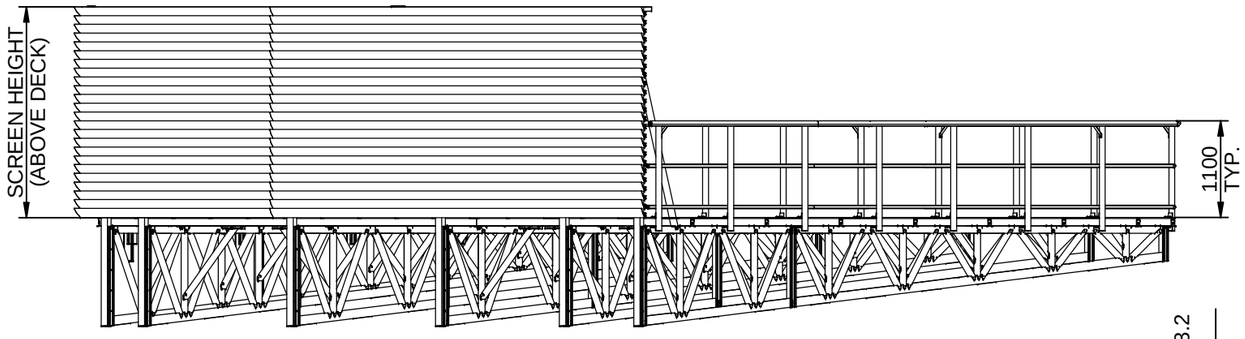
DECK MOUNTED END SCREEN SUPPORTS WIND LOAD CAPACITY

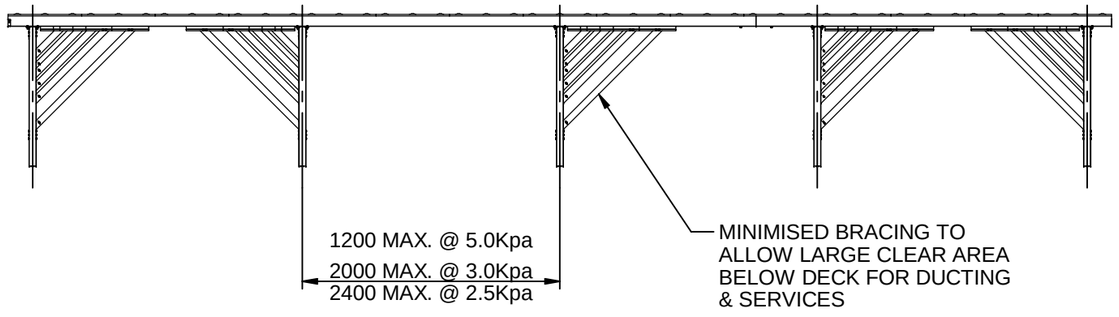
SCREEN SUPPORT SPACING	SCREEN HEIGHT / WIND LOAD CAPACITY			
	1500mm	1800mm	2400mm	3000mm
1800mm	4kPa	2.8kPa	1.6kPa	1.0kPa
1200mm	4kPa	4kPa	2.4kPa	1.5kPa
600mm	4kPa	4kPa	4kPa	3.1kPa

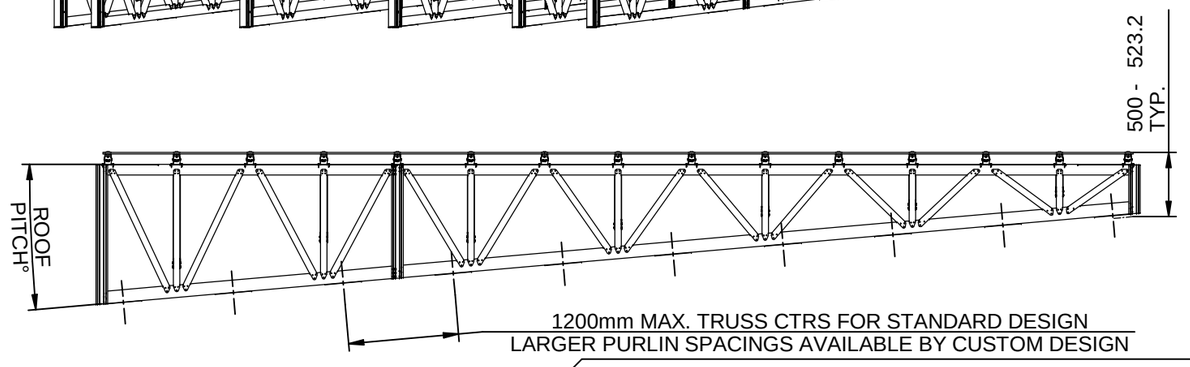
PLATFORM STANDARD SIZE OPTIONS

ROOF PITCH	MAX. DEPTH	MAX. LENGTH
0°	14.4m	60m
1°	14.4m	60m
2°	14.4m	60m
3°	14.4m	60m
4°	13.2m	60m
5°	10.2m	60m
6°	9m	60m
7°	7.8m	60m
8°	6m	60m
9°	5.4m	60m
10°	5.4m	60m
11°	4.8m	60m
12°	4.2m	60m
13°	4.2m	60m
14°	4.2m	60m
15°	3.6m	60m
16°	3.6m	60m
17°	3.6m	60m
18°	3m	60m
19°	2.4m	60m
20°	2.4m	60m

OTHER SIZES AVAILABLE BY DESIGN ON REQUEST







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