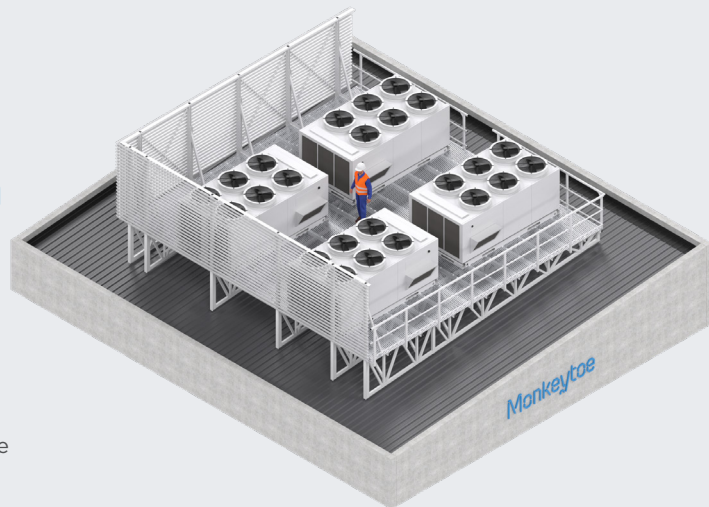


PLATFORMS

Monkeytoe Purlin-mount Plant Platform CODE: MPT3



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

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

TECHNICAL DATA / MATERIALS

- High tensile structural 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.)

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
- ABCB NCC 2019
- AS 1657
- AS/NZS 1170.0 General Principles
- AS/NZS 1170.1 Permanent, Imposed and other actions
- AS/NZS 1170.2 Wind Actions
- AS/NZS 1170.4 Earthquake actions in Australia

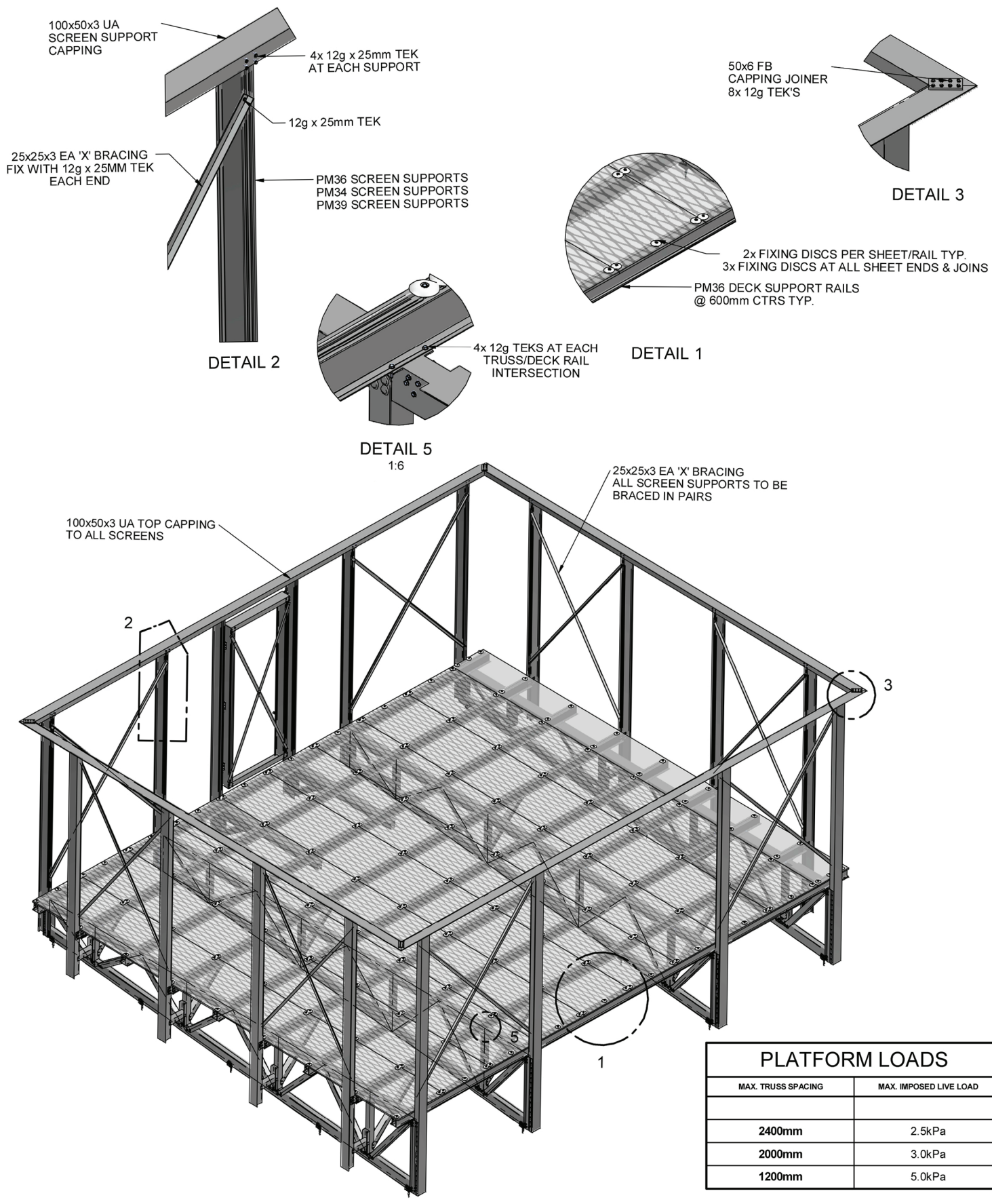
WARRANTY

- 15 years materials and 2 years install

MAINTENANCE

- It is recommended that plant platforms are included in the standard 'building warrant of fitness' inspections.

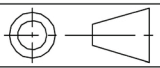
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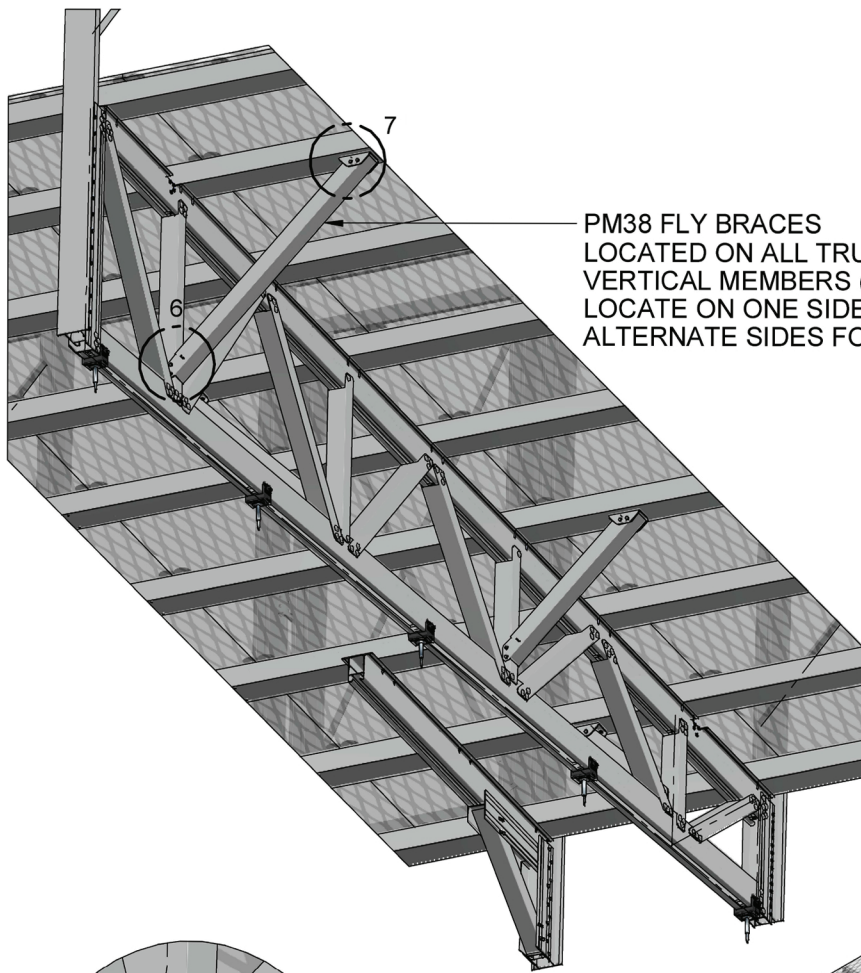


PLATFORM LOADS	
MAX. TRUSS SPACING	MAX. IMPOSED LIVE LOAD
2400mm	2.5kPa
2000mm	3.0kPa
1200mm	5.0kPa

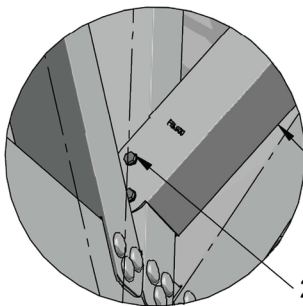
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MODELED BY:	LJK
CHECKED BY:	BP/BD/LK
DATE DRAWN:	06/12/2018
LAST SAVED:	25/08/2021
MATERIAL:	SEE B.O.M.
FINISH:	Mill
TOLERANCES:	+0,-2.0;0.1°

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MPT3 With Non-Braced Screening Platform MONKEYTOE		
DWG No: 3504-OP-AS-2NB		3504
	SHEET 1 OF 6	A3
DO NOT SCALE	SCALE: 1:30	REV:01
	DIMENSIONS IN MILLIMETERS	



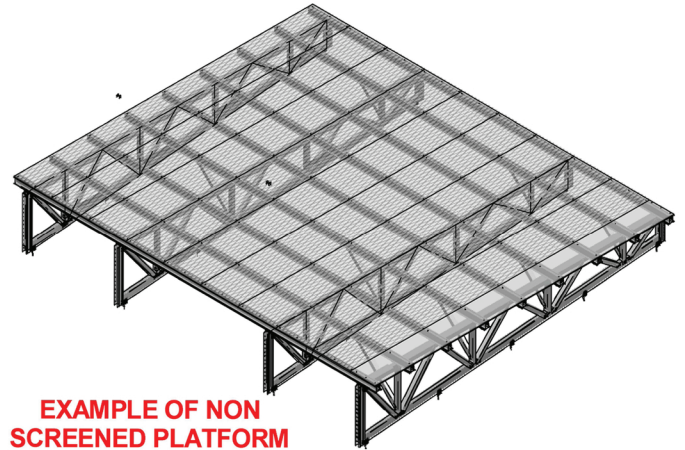
PM38 FLY BRACES
LOCATED ON ALL TRUSS
VERTICAL MEMBERS (1200 CTRS)
LOCATE ON ONE SIDE FOR OUTER TRUSSES
ALTERNATE SIDES FOR CENTRAL TRUSSES



DETAIL 6

PM38 Flybrace

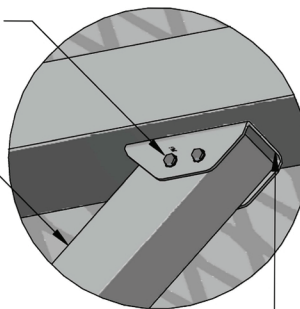
2x 12g Tek Screws
Each Side



**EXAMPLE OF NON
SCREENED PLATFORM
CONFIGURATION**

2x 12g Tek Screws
Each Side

PM38 Flybrace
FLYBRACE LENGTHS VARIES
DEPENDENT ON POSITION AND
TRUSS PITCH



DETAIL 7

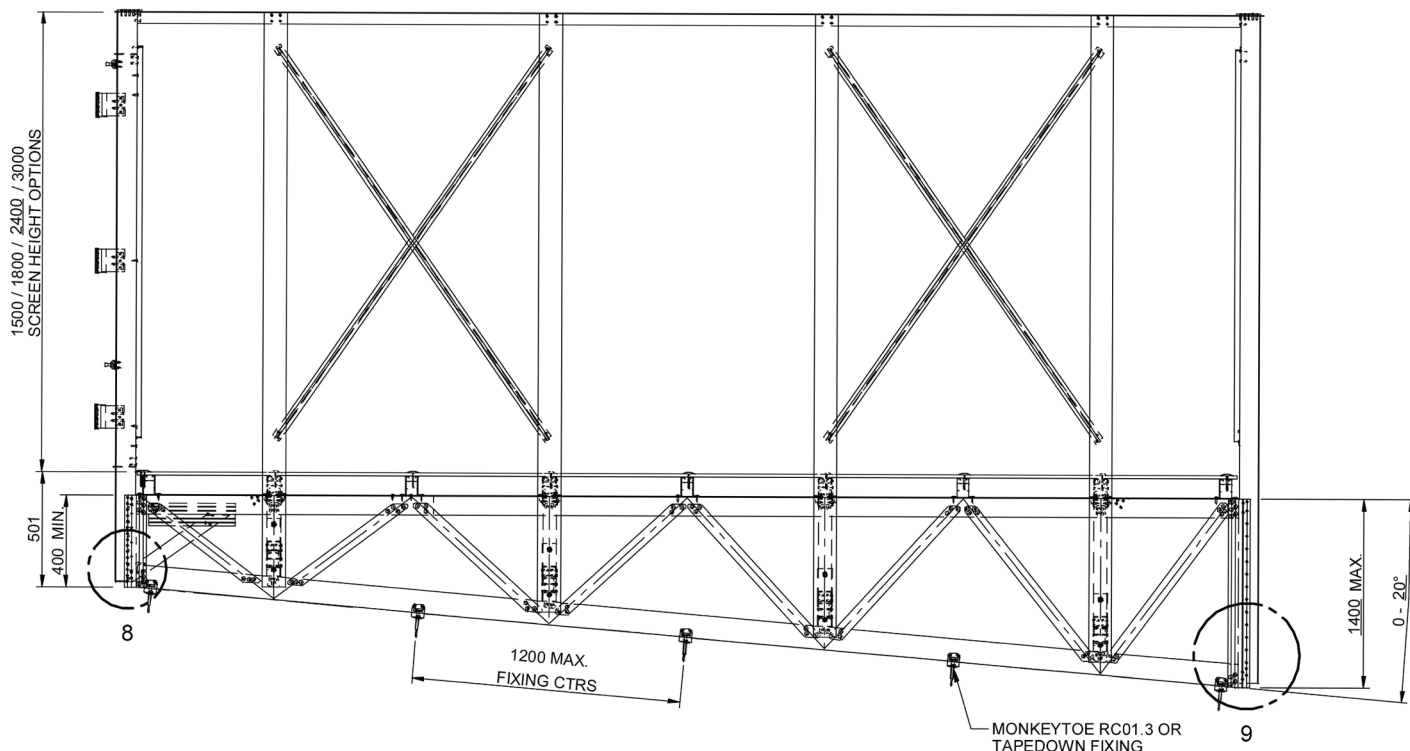
PM38 Flybrace Connection Plate
12g x 22mm Tek Screws
INTO DECK RAIL

DRAWN BY:	LJK
MODELED BY:	LJK
CHECKED BY:	BP/BD/LK
DATE DRAWN:	06/12/2018
LAST SAVED:	25/08/2021
MATERIAL:	SEE B.O.M.
FINISH:	Mill
TOLERANCES:	+0,-2.0;0.1°

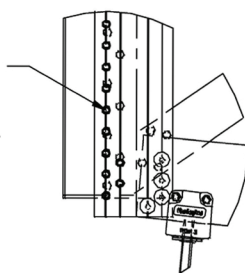
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MPT3 With Non-Braced Screening Platform		
MONKEYTOE		
DWG No: 3504-OP-AS-2NB		3504
	SHEET 2 OF 6	A3
	SCALE: 1:50	REV:01
DO NOT SCALE	DIMENSIONS IN MILLIMETERS	

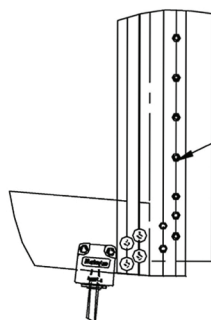


Fix Screen Support Using
14 x 12g x 22 S/Steel TEK's Per Side,
4 Tek's Top and Bottom,
Evenly Spaced Along Length of Truss End.



DETAIL 8

Fix Screen Support Using
14 x 12g x 22 S/Steel TEK's Per Side,
4 Tek's Top and Bottom,
Evenly Spaced Along Length of Truss End.



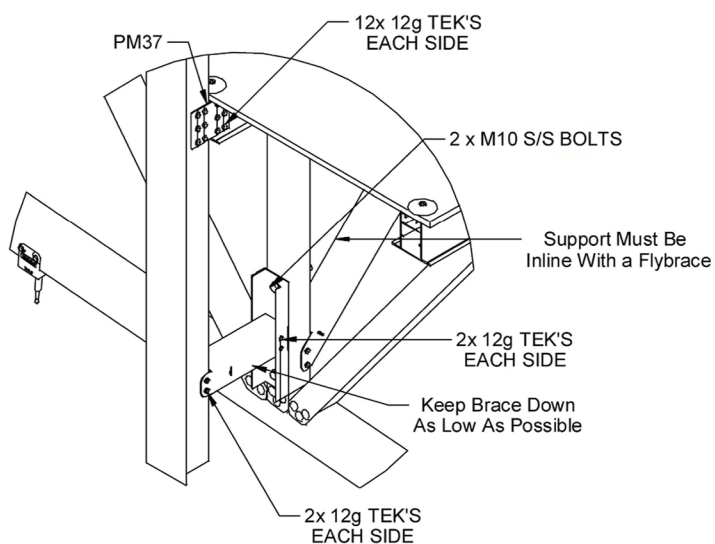
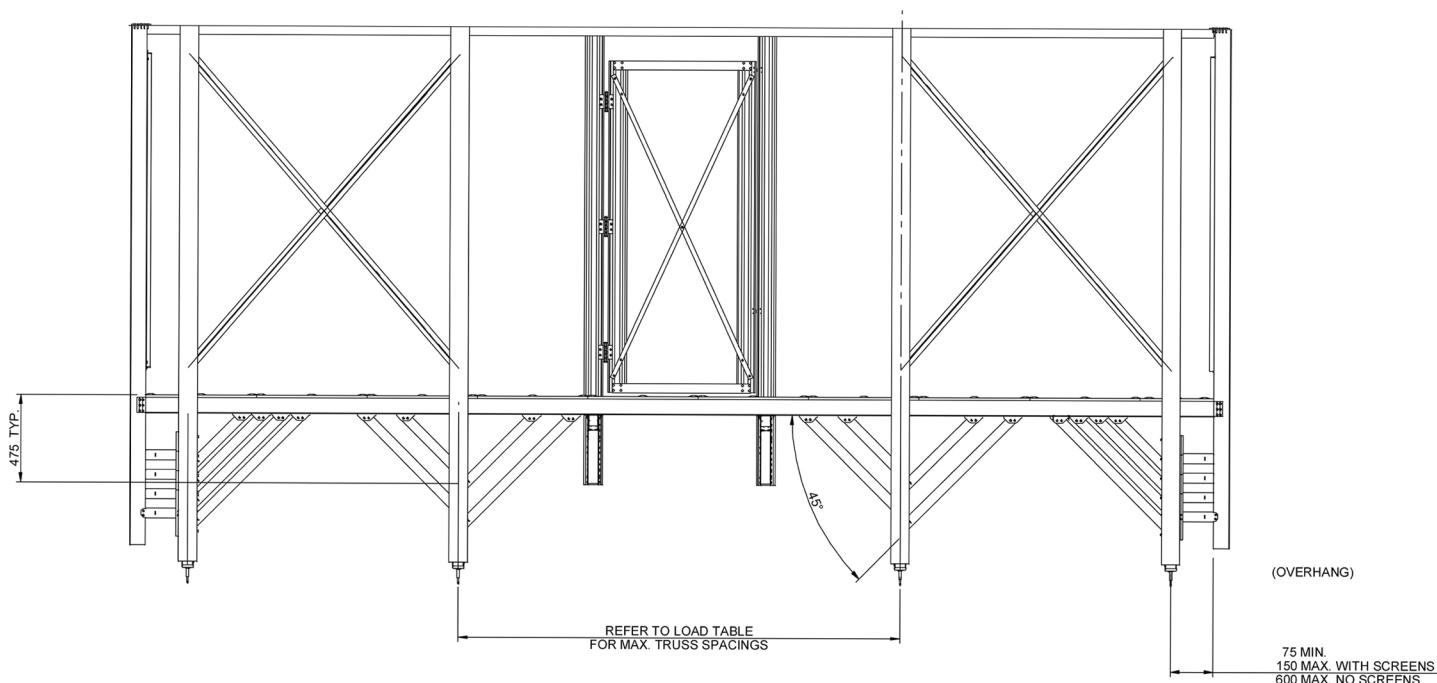
DETAIL 9

DRAWN BY:	LJK
MODELED BY:	LJK
CHECKED BY:	BP/BD/LK
DATE DRAWN:	06/12/2018
LAST SAVED:	25/08/2021
MATERIAL:	SEE B.O.M.
FINISH:	MILL
TOLERANCES:	+0,-2.0;0.1°

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MPT3 With Non-Braced Screening Platform		
MONKEYTOE		
DWG No: 3504-OP-AS-2NB		3504
	SHEET 3 OF 6	A3
	SCALE: 1:20	REV:01
DO NOT SCALE	DIMENSIONS IN MILLIMETERS	



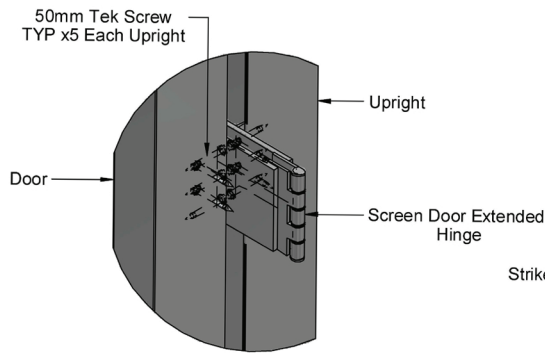
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MODELED BY:	LJK
CHECKED BY:	BP/BD/LK
DATE DRAWN:	06/12/2018
LAST SAVED:	25/08/2021
MATERIAL:	SEE B.O.M.
FINISH:	Mill
TOLERANCES:	+0,-2.0;0.1°

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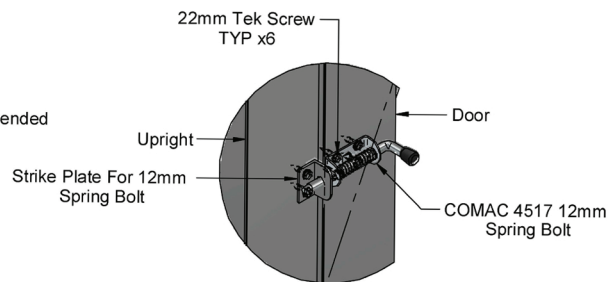
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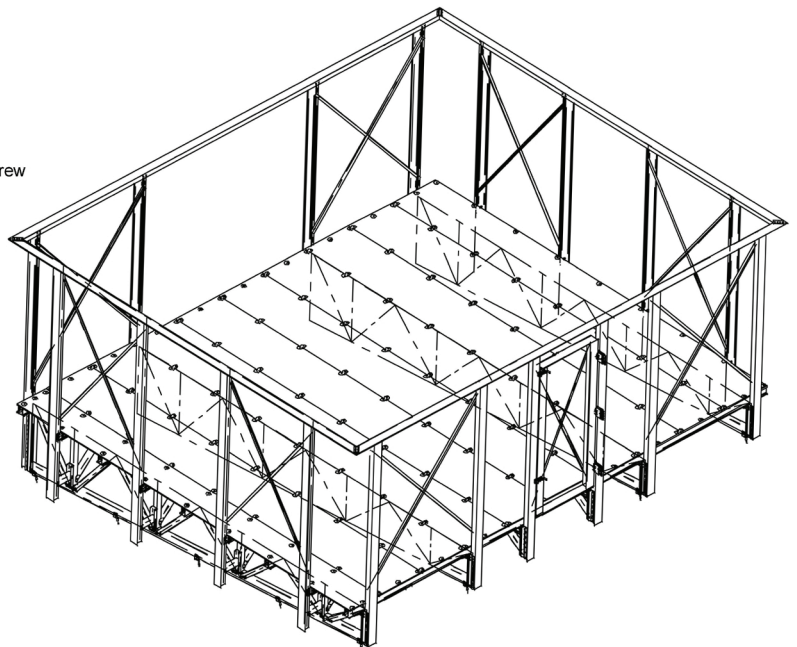
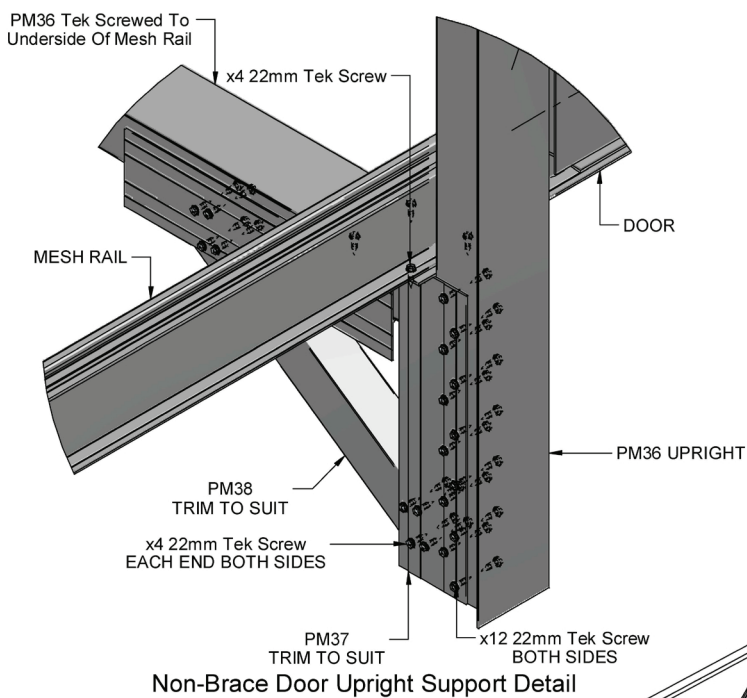
MPT3 With Non-Braced Screening Platform		
MONKEYTOE		
DWG No: 3504-OP-AS-2NB		3504
	SHEET 4 OF 6	A3
DO NOT SCALE	SCALE: 1:20	REV:01
DIMENSIONS IN MILLIMETERS		



DOOR HINGE FIXING DETAIL



DOOR SPRING BOLT FIXING DETAIL



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MODELED BY:	LJK
CHECKED BY:	BP/BD/LK
DATE DRAWN:	06/12/2018
LAST SAVED:	25/08/2021
MATERIAL:	SEE B.O.M.
FINISH:	Mill
TOLERANCES:	+0,-2.0;0.1°

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MPT3 With Non-Braced Screening Platform		
MONKEYTOE		
DWG No: 3504-OP-AS-2NB		3504
	SHEET 5 OF 6	A3
DO NOT SCALE	SCALE: 1:50	REV:01
	DIMENSIONS IN MILLIMETERS	

PM36 REINFORCED TRUSS END		
MAX. TRUSS SPACING	TRUSS MOUNTED SCREEN HEIGHT / WIND LOAD CAPACITY	
	1000mm	1250mm
2400mm		
2000mm		
1200mm		

PM36 DECK MOUNTED SIDE SCREENSUPPORTS		
MAX. TRUSS SPACING	TRUSS MOUNTED SCREEN HEIGHT / WIND LOAD CAPACITY	
	1000mm	1250mm
2400mm	2.25kPa	1.45kPa
1200mm	4.59kPa	2.90kPa

PM36 TRUSS END SCREEN SUPPORTS		
MAX. TRUSS SPACING	TRUSS MOUNTED SCREEN HEIGHT / WIND LOAD CAPACITY	
	1000mm	1250mm
2400mm	2.25kPa	1.45kPa
2000mm	2.70kPa	1.74kPa
1200mm	4.51kPa	2.87kPa

PM34 TRUSS END SCREEN SUPPORTS					
MAX. TRUSS SPACING	TRUSS MOUNTED SCREEN HEIGHT / WIND LOAD CAPACITY				
	1000mm	1250mm	1500mm	1800mm	2000mm
2400mm	6.12kPa	4.03kPa	2.82kPa	1.93kPa	1.56kPa
2000mm	7.57kPa	4.83kPa	3.38kPa	2.33kPa	1.88kPa
1200mm	12.56kPa	8.05kPa	5.64kPa	3.86kPa	3.14kPa

PM34 REINFORCED TRUSS END						
MAX. TRUSS SPACING	TRUSS MOUNTED SCREEN HEIGHT / WIND LOAD CAPACITY					
	1000mm	1250mm	1500mm	1800mm	2000mm	
2400mm						
2000mm						
1200mm						

PM34 DECK MOUNTED SIDE SCREEN SUPPORTS					
MAX. TRUSS SPACING	TRUSS MOUNTED SCREEN HEIGHT / WIND LOAD CAPACITY				
	1000mm	1250mm	1500mm	1800mm	2000mm
2400mm	4.51kPa	2.74kPa	1.93kPa	1.37kPa	1.13kPa
1200mm	8.69kPa	5.64kPa	4.03kPa	2.74kPa	2.24kPa

PM39 TRUSS END SCREEN SUPPORTS							
MAX. TRUSS SPACING	TRUSS MOUNTED SCREEN HEIGHT / WIND LOAD CAPACITY						
	1000mm	1250mm	1500mm	1800mm	2000mm	2400mm	3000mm
2400mm	9.02kPa	5.80kPa	4.03kPa	2.70kPa	2.25kPa	1.53kPa	1.00kPa
2000mm	10.63kPa	6.92kPa	4.83kPa	3.20kPa	2.66kPa	1.85kPa	1.18kPa
1200mm	17.71kPa	11.43kPa	7.73kPa	5.44kPa	4.51kPa	3.14kPa	1.82kPa

PM39 REINFORCED TRUSS END							
MAX. TRUSS SPACING	TRUSS MOUNTED SCREEN HEIGHT / WIND LOAD CAPACITY						
	1000mm	1250mm	1500mm	1800mm	2000mm	2400mm	3000mm
2400mm							
2000mm							
1200mm							


PM39 DECK MOUNTED SIDE SCREEN SUPPORTS							
MAX. TRUSS SPACING	TRUSS MOUNTED SCREEN HEIGHT / WIND LOAD CAPACITY						
	1000mm	1250mm	1500mm	1800mm	2000mm	2400mm	3000mm
2400mm	5.47kPa	3.38kPa	2.42kPa	1.77kPa	1.45kPa	1.13kPa	0.87kPa
1200mm	10.95kPa	6.76kPa	4.83kPa	3.54kPa	2.90kPa	2.25kPa	1.69kPa

Cells highlighted Blue indicate generally 2-3 holddown TEK's will be required for uplift at the tall end

Cells highlighted in Red indicate that cross members will need to be added with 4-5 fasteners at the tall and 2-3 fasteners at the short end.

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MODELED BY:	LJK
CHECKED BY:	BP/BD/LK
DATE DRAWN:	06/12/2018
LAST SAVED:	25/08/2021
MATERIAL:	SEE B.O.M.
FINISH:	Mill
TOLERANCES:	+0,-2.0;0.1°

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MPT3 With Non-Braced Screening Platform		
MONKEYTOE		
DWG No: 3504-OP-AS-2NB		3504
	SHEET 6 OF 6	A3
DO NOT SCALE	SCALE: 1:1	REV:01
	DIMENSIONS IN MILLIMETERS	