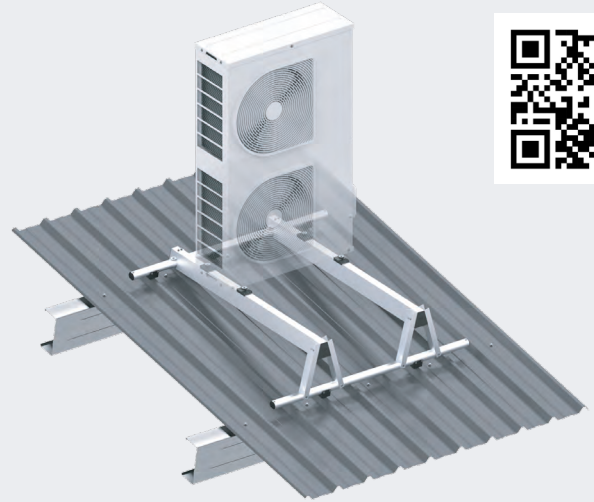


CONDENSER MOUNTS

Monkeytoe Condenser Roof Mounts



PRODUCT DESCRIPTION

Adjustable aluminium roof mounting product for HVACR units

TYPICAL USES / APPLICATIONS

- Roof top mounting for air conditioning & refrigeration condenser units
- Hot water unit mounting
- Telecommunication equipment mounting
- Supports for cable trays and pipes
- Fans and flues
- Air Handling Units
- Package Units

CHARACTERISTICS / ADVANTAGES

- Support for equipment up to 1000kg
- Suits a wide range of HVAC+R units
- Proprietary pre-engineered system
- Fully engineered & certified with supporting documentation
- Utilises the unique Monkeytoe RC02 roofing clip
- Adjustable up to 28 degrees to suit roof pitch
- Can mount through most steel roof sheeting profiles
- Kit set construction ensures easy on-site assembly
- Weight is transferred to building structure

TECHNICAL DATA / MATERIALS

Loading Capacity:

- CM01 - 0-120kg up to 2400mm purlin spacing's
- CM02 - 0-200kg up to 2400mm purlin spacing's
- CM03 - 0-300kg up to 2400mm purlin spacing's
- CM05 - 0-500kg up to 2400mm purlin spacing's
- CM10 - 0-1000kg 1200 & 1500 purlin spacing's
- Extrusions: high tensile structural marine grade aluminium
- Fixings: Dacromat coated Stainless Steel TEK Screws
- Roof Connections: HD 30% Glass filled Nylon, UV resistant RC02 Roof Clip
- Dacromat Coated Combi Stud
- BRANZ Tested Neoprene Sealing Washers
- UV Stabilised TPE Rubber Anti Vibration Mounts - 50% reduction in vibration and full galvanic isolation

TESTS

APPROVALS / STANDARDS

- NZBC B1 - Structure
- AS/NZS 1170 - Structural Design Actions, (Including Wind & Seismic)
- AS/NZ 1664.1 - Aluminium Structures, Limit State Design

PRODUCT SPECIFICATION SHEET

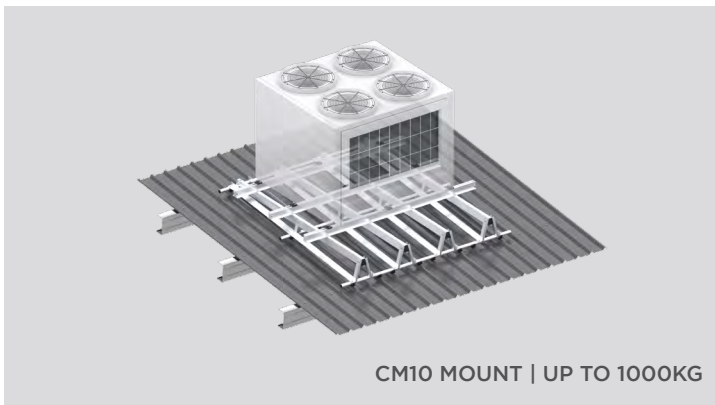
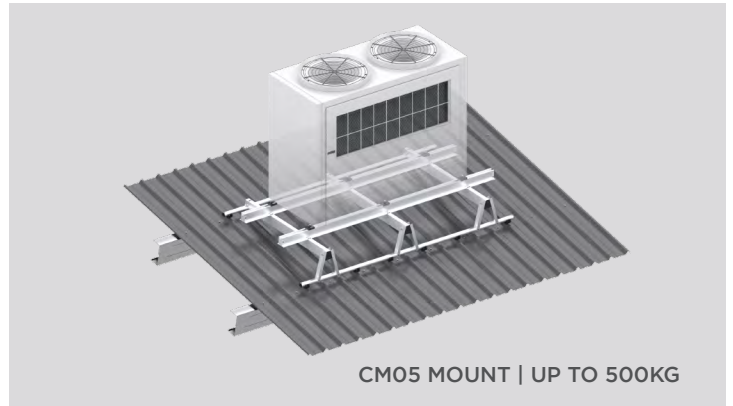
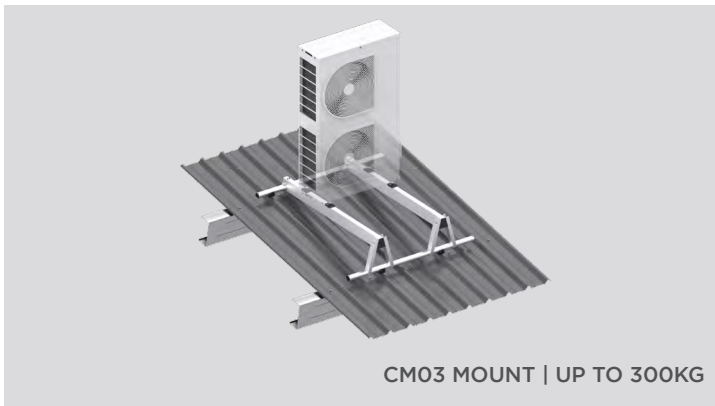
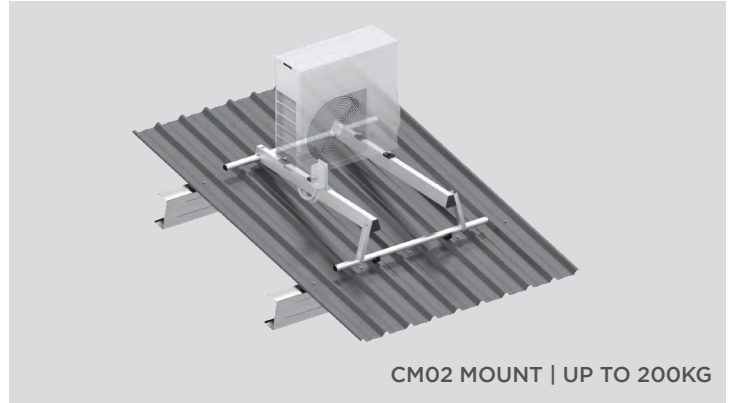
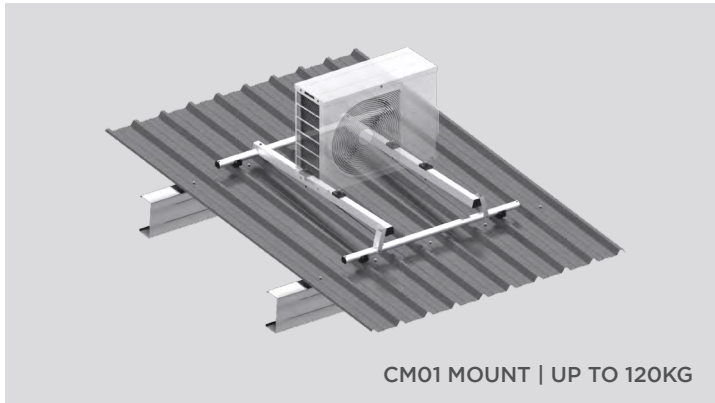
WARRANTY

- 25 year Warranty
- Product Warranty is valid in accordance to the PS1 Engineering Standard that it has been designed to

MAINTENANCE

- Visual inspection for any damage or loose fixings must be done periodically and prior to use.
- No certified maintenance required.
- Basic wear and tear preventative maintenance is recommended, as per manufacturer's specifications and recommendations.

PRODUCT IMAGES



CONFIGURATIONS		
CODE	MAX. PURLIN SPACING	MAX. ROOF PITCH
CM01.12.1	1200mm	6°
CM01.12.3		13°
CM01.12.6		28°
CM01.18.1	1800mm	4°
CM01.18.3		9°
CM01.18.6		18°
CM01.24.1	2400mm	3°
CM01.24.3		6°
CM01.24.6		13°

A

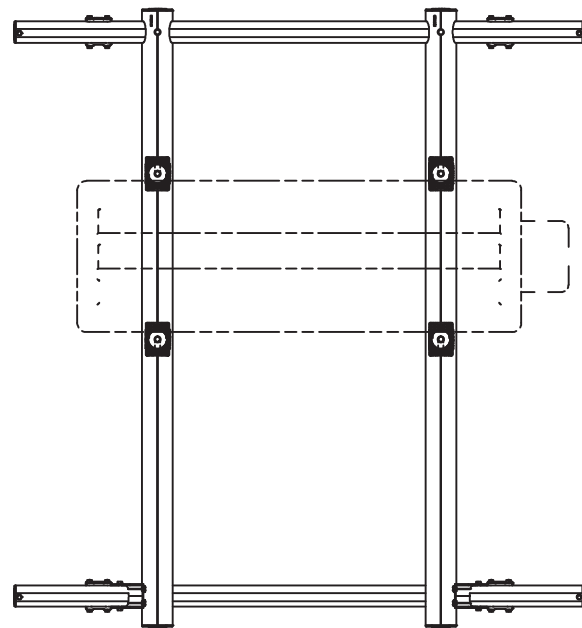
B

C

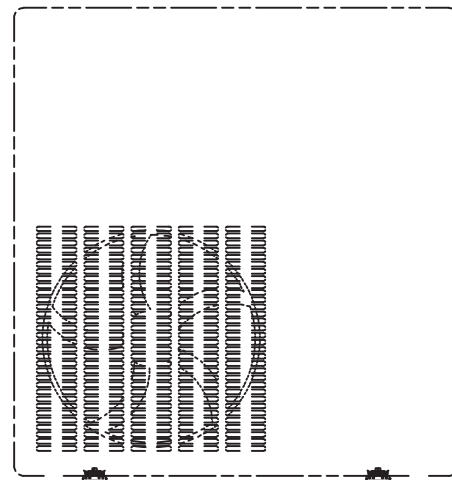
D

E

F



PLAN VIEW



FRONT VIEW

WIND REGIONS NZ1 NZ2 & A0-A5:

MAX. UNBRACED UNIT HEIGHT = 1250mm*
MAX. BRACED UNIT HEIGHT = 1430mm

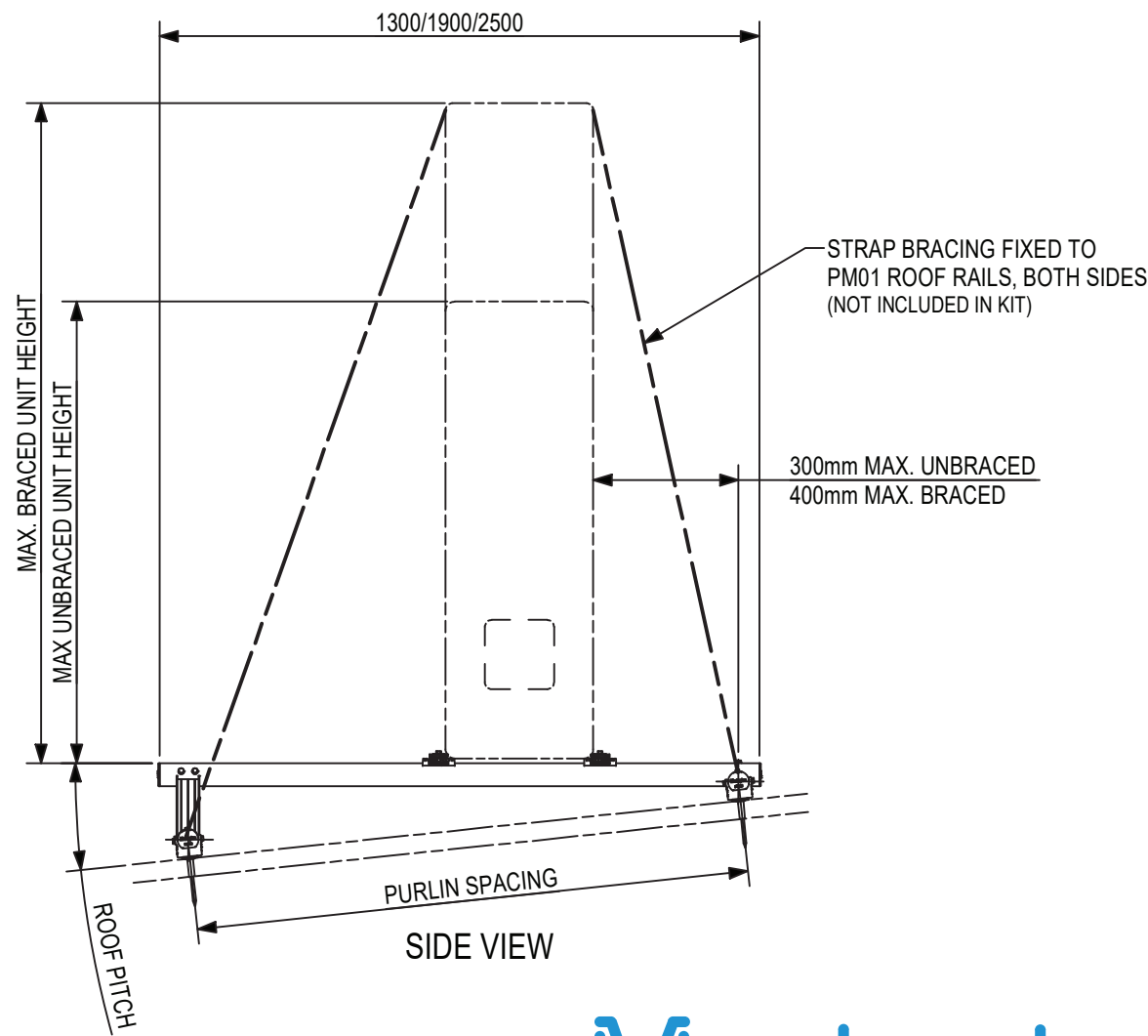
WIND REGIONS NZ3 & NZ4:

MAX. UNBRACED UNIT HEIGHT = 1000mm*
(ALL PURLIN SPACINGS)
MAX. BRACED UNIT HEIGHT = 1430mm
(1200mm PURLIN SPACING)
MAX. BRACED UNIT HEIGHT = 1350mm
(1800mm PURLIN SPACING)
MAX. BRACED UNIT HEIGHT = 1300mm
(2400mm PURLIN SPACING)

WIND REGIONS B1 & B2:

MAX. UNBRACED UNIT HEIGHT = 1000mm*
(ALL PURLIN SPACINGS)
MAX. BRACED UNIT HEIGHT = 1430mm
(1200mm PURLIN SPACING)
MAX. BRACED UNIT HEIGHT = 1150mm
(1800mm PURLIN SPACING)
MAX. BRACED UNIT HEIGHT = 1050mm
(2400mm PURLIN SPACING)

* REFER TO UNIT MANUFACTURERS BRACING REQUIREMENTS FOR UNITS LESS THAN SPECIFIED HEIGHT.



SIDE VIEW

DESIGN CRITERIA: NEW ZEALAND

IMPORTANCE LEVEL = 2
SOIL CLASS = C (Worst Case)
SEISMIC HAZARD FACTOR (Z) ≤ 0.42
HORIZONTAL SEISMIC ACCELERATION ≤ 2.2G
WIND REGIONS: NZ1 - 4
WIND EXPOSURE: UP TO 30m ABOVE GROUND

DESIGN CRITERIA: AUSTRALIA

IMPORTANCE LEVEL = 2
SOIL CLASS = C (Worst Case)
SEISMIC HAZARD FACTOR (Z) ≤ 0.15
HORIZONTAL SEISMIC ACCELERATION ≤ 0.5G
WIND REGIONS: A & B
WIND EXPOSURE: UP TO 30m ABOVE GROUND

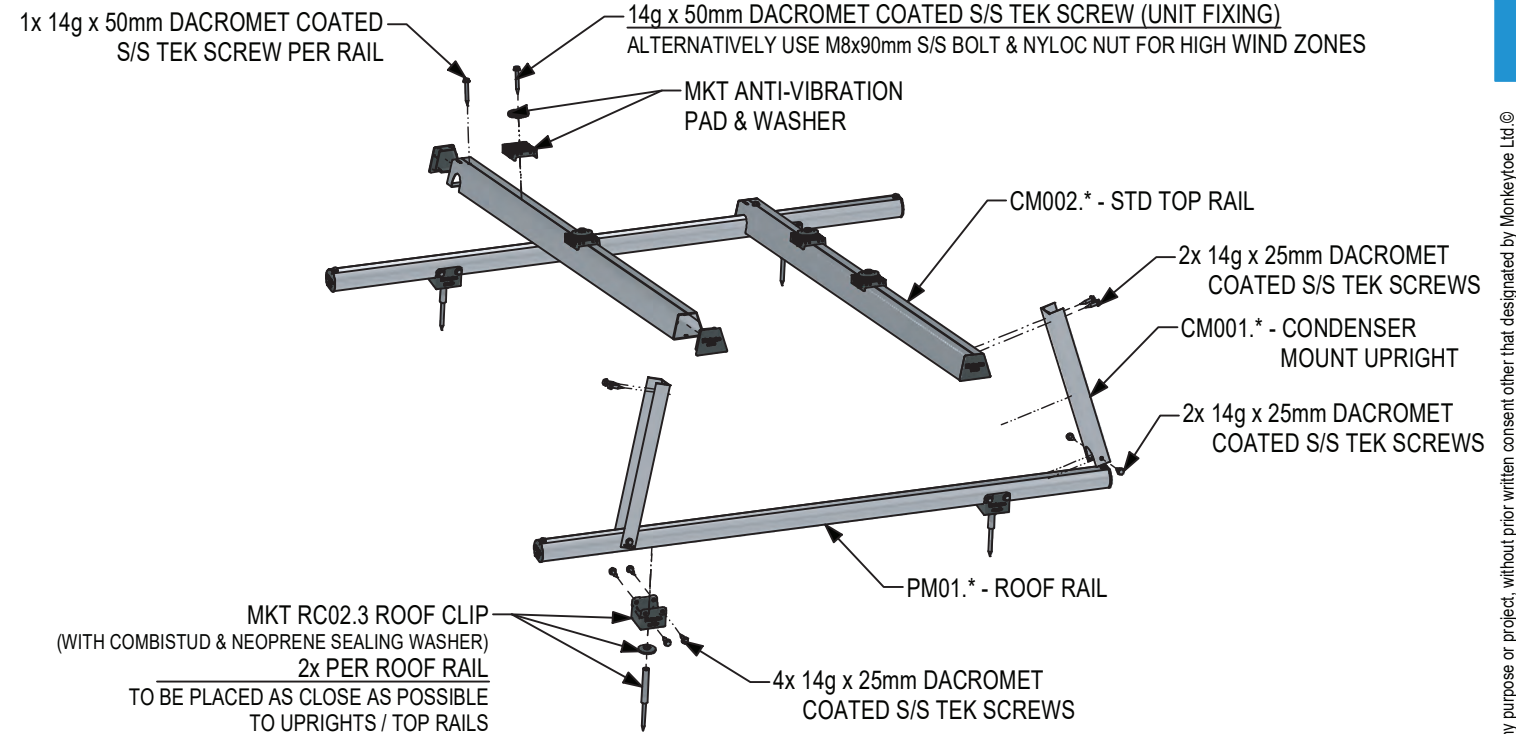
Monkeytoe

EVERYTHING BETTER

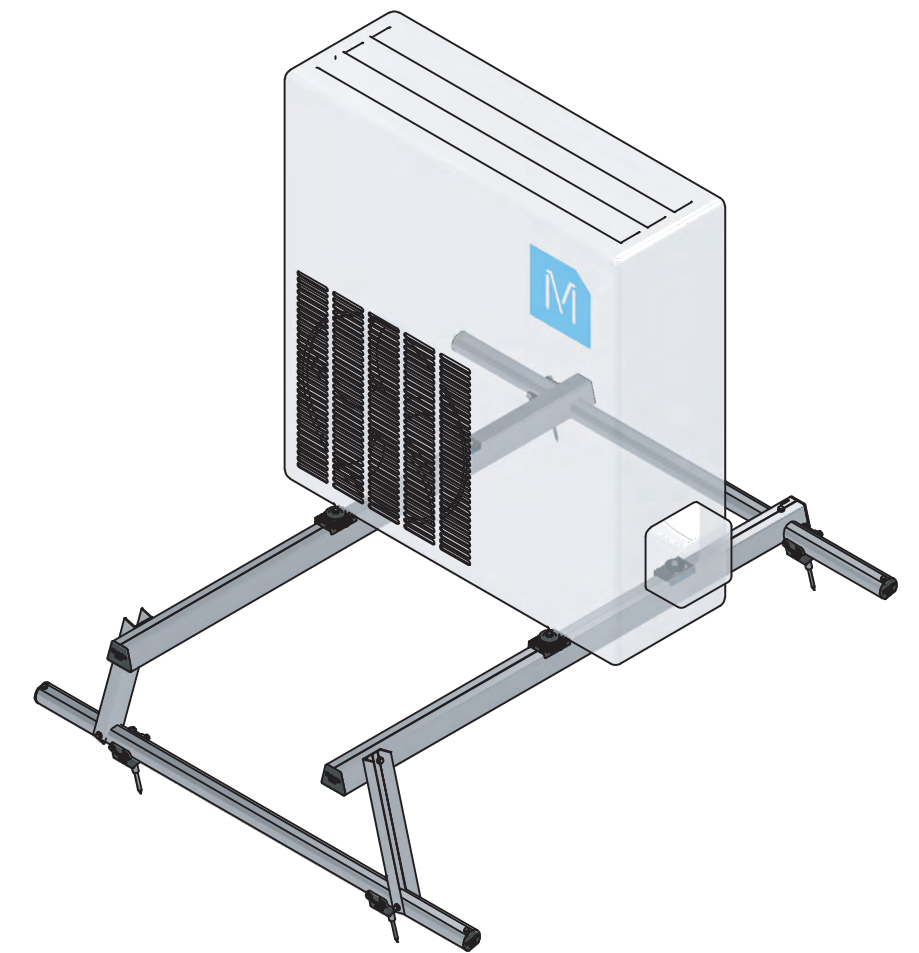
NEW ZEALAND

AUSTRALIA

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PART EXPLODED VIEW

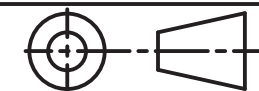


120kg TOP FIX CONDENSER MOUNT

MONKEYTOE GROUP

DWG No: CM01-CSS-1

19/05/2022



SHEET 1 OF 1

A3

SCALE: NTS

REV:1

DO NOT SCALE

DIMENSIONS IN MILLIMETERS

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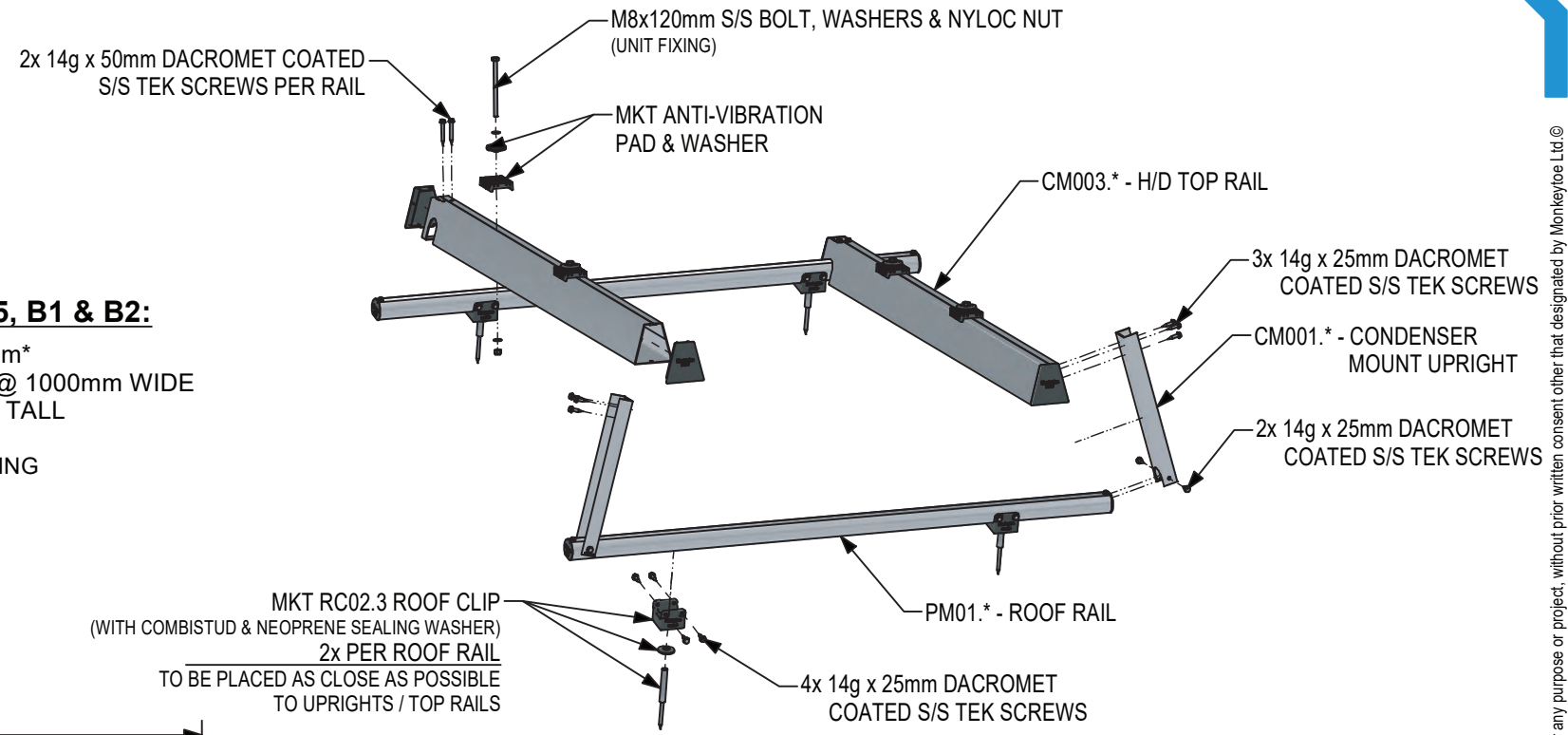
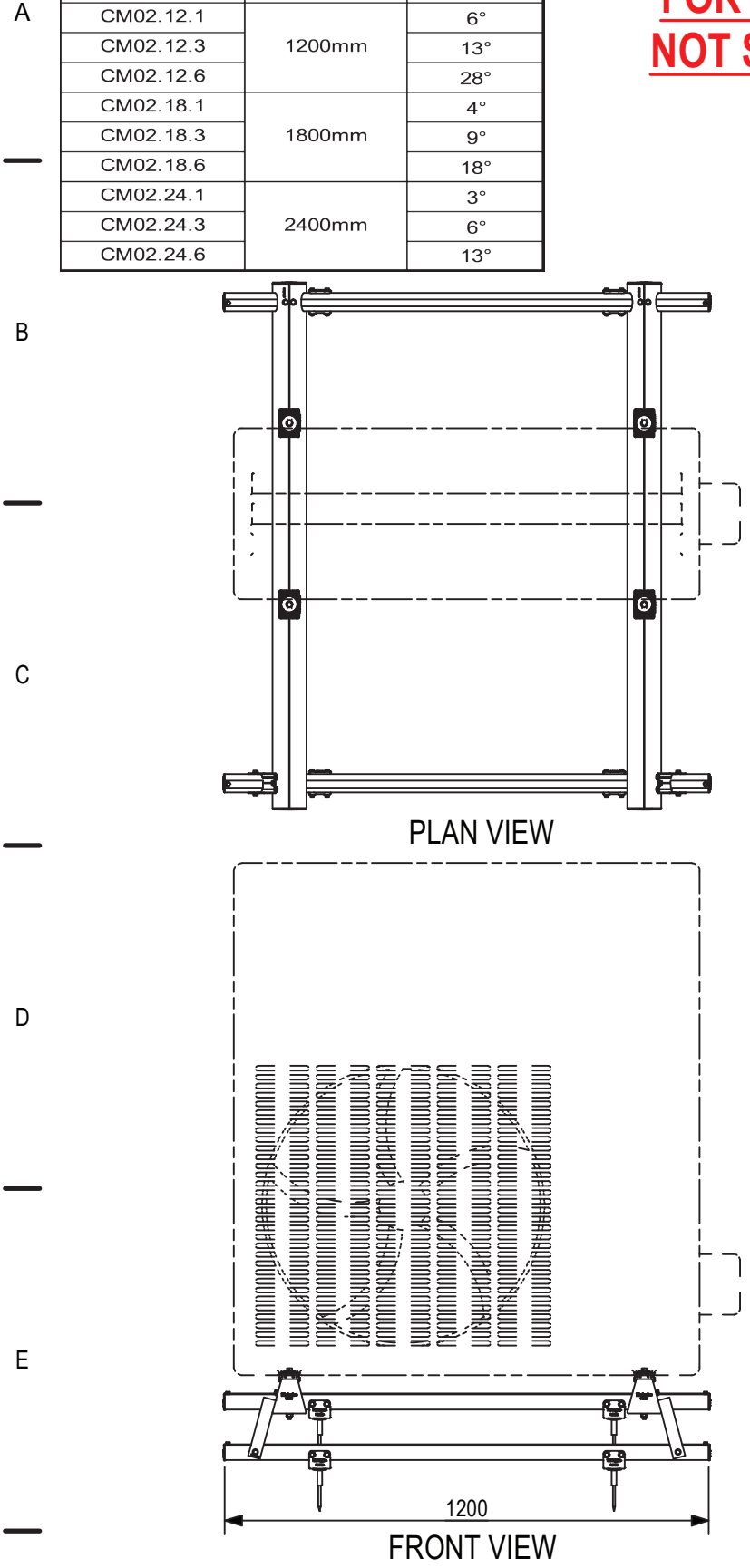
CONFIGURATIONS		
CODE	MAX. PURLIN SPACING	MAX. ROOF PITCH
CM02.12.1	1200mm	6°
CM02.12.3		13°
CM02.12.6		28°
CM02.18.1	1800mm	4°
CM02.18.3		9°
CM02.18.6		18°
CM02.24.1	2400mm	3°
CM02.24.3		6°
CM02.24.6		13°

**FOR SPLIT STYLE UNITS ONLY
NOT SUITABLE FOR VRF UNITS.**

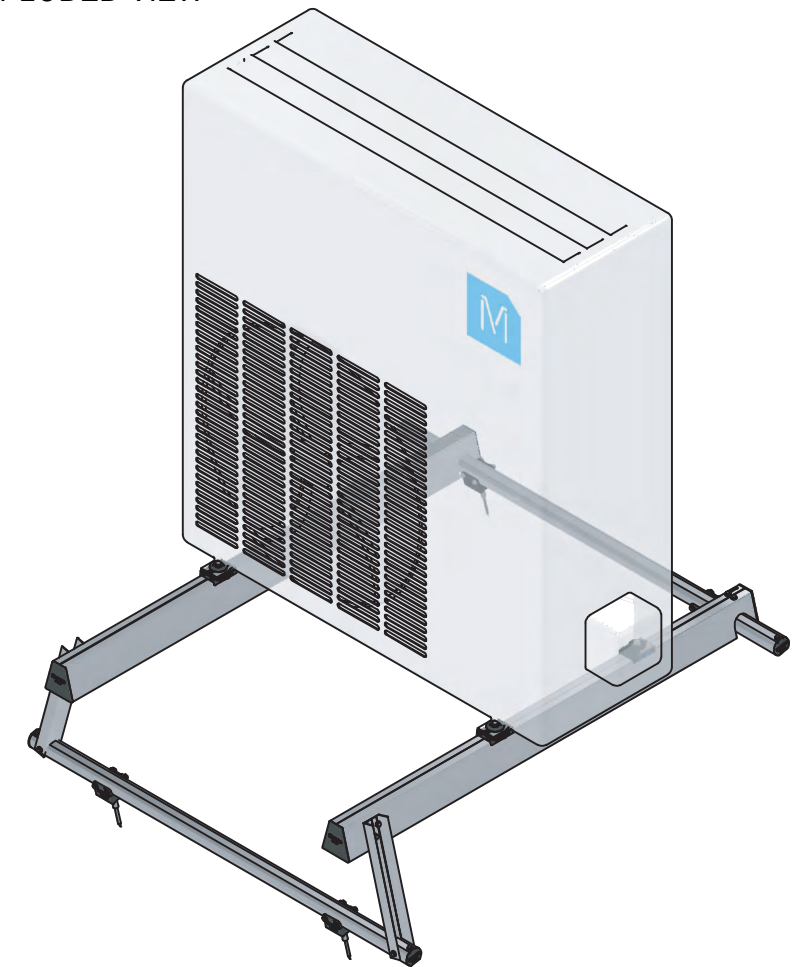
WIND REGIONS NZ1 TO NZ4, A0-5, B1 & B2:

MAX. UNBRACED UNIT HEIGHT = 1400mm*
MAX. BRACED UNIT HEIGHT = 1600mm @ 1000mm WIDE
MAX. UNIT WIDTH = 1350mm @ 1400mm TALL

* REFER TO UNIT MANUFACTURERS BRACING REQUIREMENTS FOR UNITS LESS THAN SPECIFIED HEIGHT.



PART EXPLODED VIEW



DESIGN CRITERIA: NEW ZEALAND
IMPORTANCE LEVEL = 2
SOIL CLASS = C (Worst Case)
SEISMIC HAZARD FACTOR (Z) ≤ 0.42
HORIZONTAL SEISMIC ACCELERATION ≤ 2.2G
WIND REGIONS: NZ1 - 4
WIND EXPOSURE: UP TO 30m ABOVE GROUND

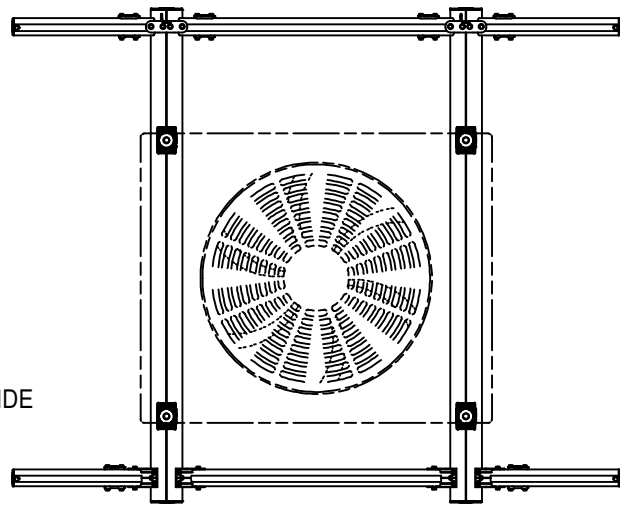
DESIGN CRITERIA: AUSTRALIA
IMPORTANCE LEVEL = 2
SOIL CLASS = C (Worst Case)
SEISMIC HAZARD FACTOR (Z) ≤ 0.15
HORIZONTAL SEISMIC ACCELERATION ≤ 0.5G
WIND REGIONS: A & B
WIND EXPOSURE: UP TO 30m ABOVE GROUND

Monkeytoe
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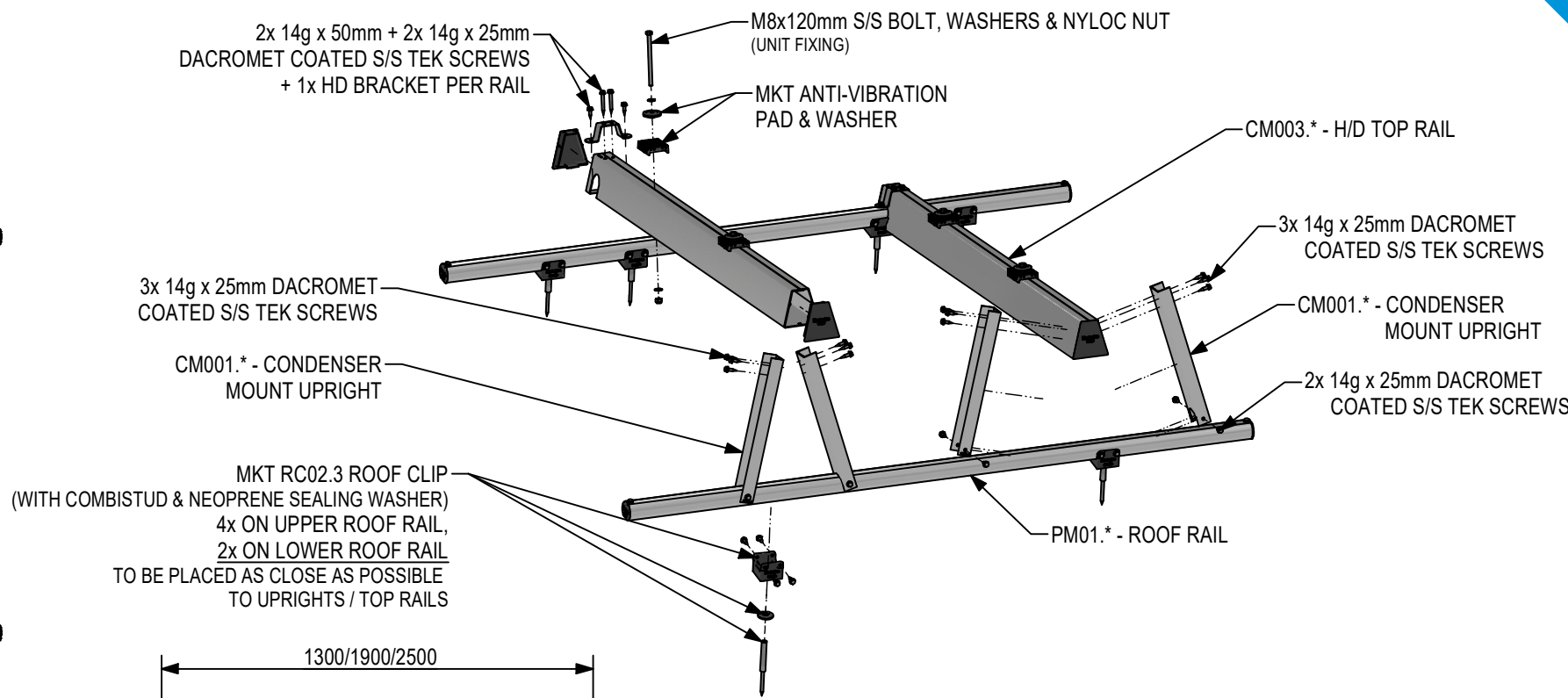
NEW ZEALAND | AUSTRALIA
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200kg TOP FIX CONDENSER MOUNT		
MONKEYTOE GROUP		
DWG No: CM02-CSS-1	19/05/2022	
	SHEET 1 OF 1	A3
	SCALE: NTS	REV:1
DO NOT SCALE	DIMENSIONS IN MILLIMETERS	

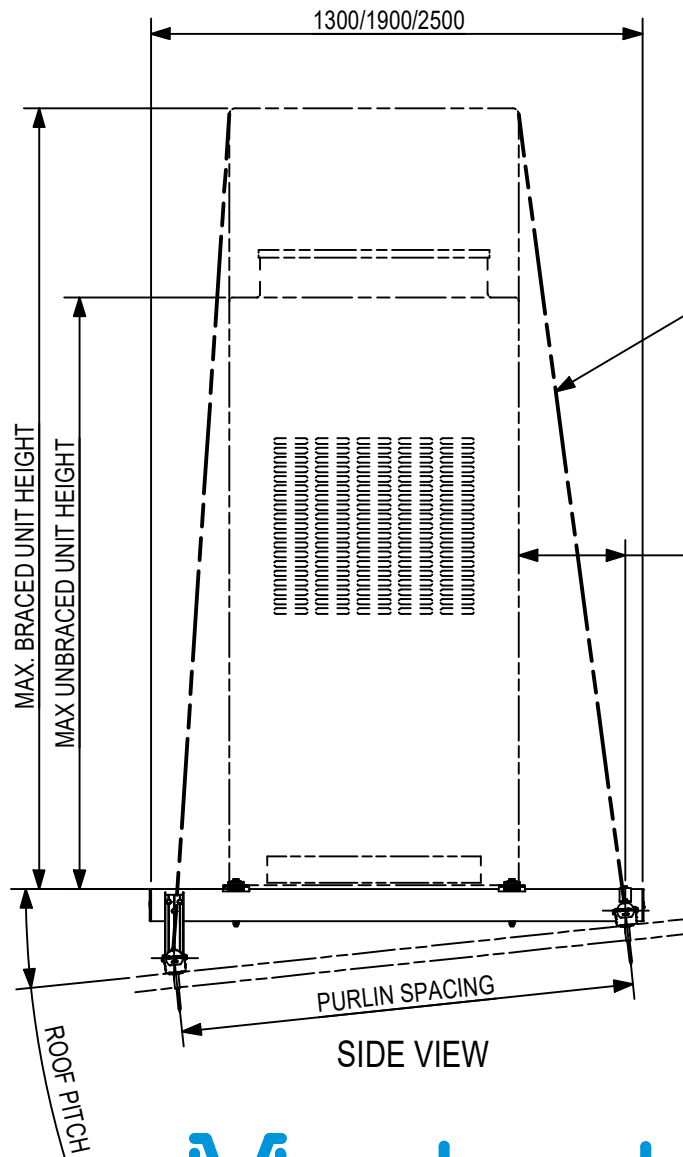
CONFIGURATIONS		
CODE	MAX. PURLIN SPACING	MAX. ROOF PITCH
CM03.12.1	1200mm	6°
CM03.12.3		13°
CM03.12.6		28°
CM03.18.1	1800mm	4°
CM03.18.3		9°
CM03.18.6		18°
CM03.24.1	2400mm	3°
CM03.24.3		6°
CM03.24.6		13°



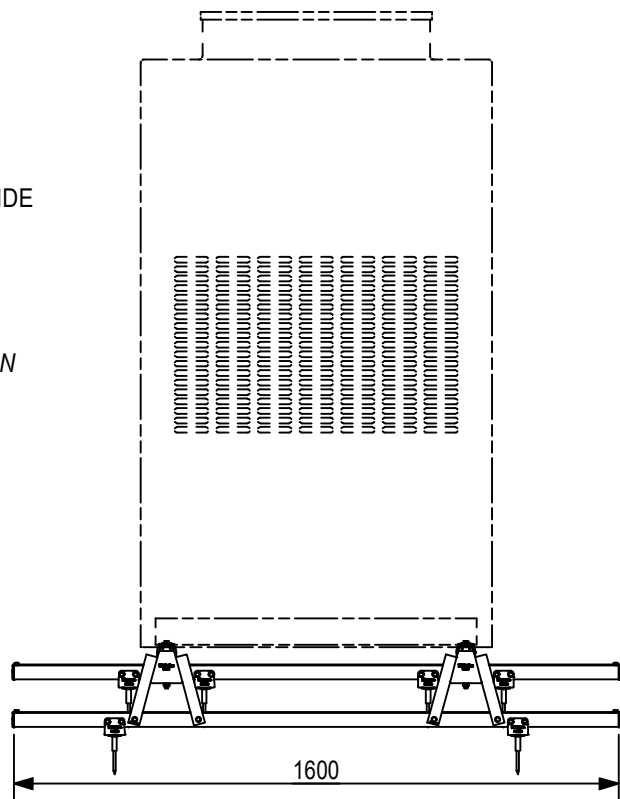
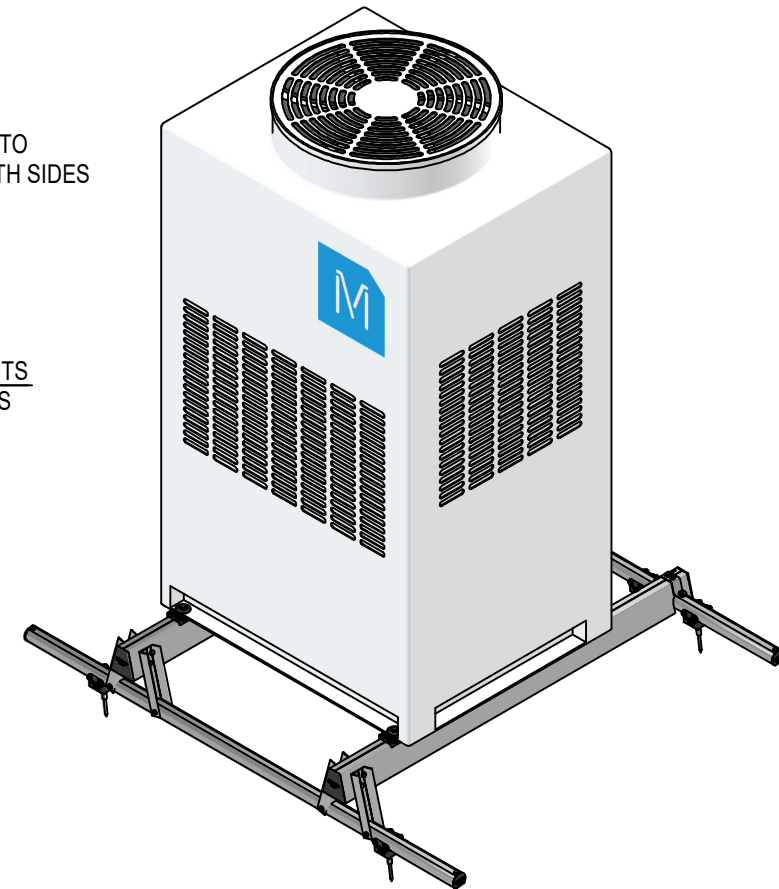
PLAN VIEW



PART EXPLODED VIEW



SIDE VIEW



FRONT VIEW

WIND REGIONS NZ1-4 & A0-5:

SPLIT STYLE UNITS:

MAX. UNBRACED UNIT HEIGHT = 1400mm*
 MAX. BRACED UNIT HEIGHT = 1700mm @ 1100mm WIDE
 MAX. UNIT WIDTH = 1400mm @ 1500mm TALL
 MAX. UNIT WIDTH = 1900mm @ 1350mm TALL

VRF UNITS:

SUITABLE FOR VRF UNITS ON 1200 & 1800mm PURLIN SPACINGS ONLY. BRACING REQUIRED FOR ALL VRF UNITS ON 1800mm PURLINS.

MAX. UNIT HEIGHT = 1850mm*
 MAX. UNIT WIDTH = 1210mm
 MAX. UNIT DEPTH = 1000mm

WIND REGIONS B1 & B2:

SPLIT STYLE UNITS:

MAX. UNBRACED UNIT HEIGHT = 1400mm*
 MAX. BRACED UNIT HEIGHT = 1700mm @ 1100mm WIDE
 MAX. UNIT WIDTH = 1400mm @ 1400mm TALL
 MAX. UNIT WIDTH = 1700mm @ 1200mm TALL

VRF UNITS:

SUITABLE FOR VRF UNITS ON 1200 & 1800mm PURLIN SPACINGS ONLY. BRACING REQUIRED FOR ALL VRF UNITS ON 1800mm PURLINS.

MAX. UNIT HEIGHT = 1850mm*
 MAX. UNIT WIDTH = 1000mm
 MAX. UNIT DEPTH = 1000mm

* REFER TO UNIT MANUFACTURERS BRACING REQUIREMENTS FOR UNITS LESS THAN SPECIFIED HEIGHT.

DESIGN CRITERIA: NEW ZEALAND

IMPORTANCE LEVEL = 2
 SOIL CLASS = C (Worst Case)
 SEISMIC HAZARD FACTOR (Z) ≤ 0.42
 HORIZONTAL SEISMIC ACCELERATION ≤ 2.2G
 WIND REGIONS: NZ1 - 4
 WIND EXPOSURE: UP TO 30m ABOVE GROUND

DESIGN CRITERIA: AUSTRALIA

IMPORTANCE LEVEL = 2
 SOIL CLASS = C (Worst Case)
 SEISMIC HAZARD FACTOR (Z) ≤ 0.15
 HORIZONTAL SEISMIC ACCELERATION ≤ 0.5G
 WIND REGIONS: A & B
 WIND EXPOSURE: UP TO 30m ABOVE GROUND

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NEW ZEALAND

AUSTRALIA

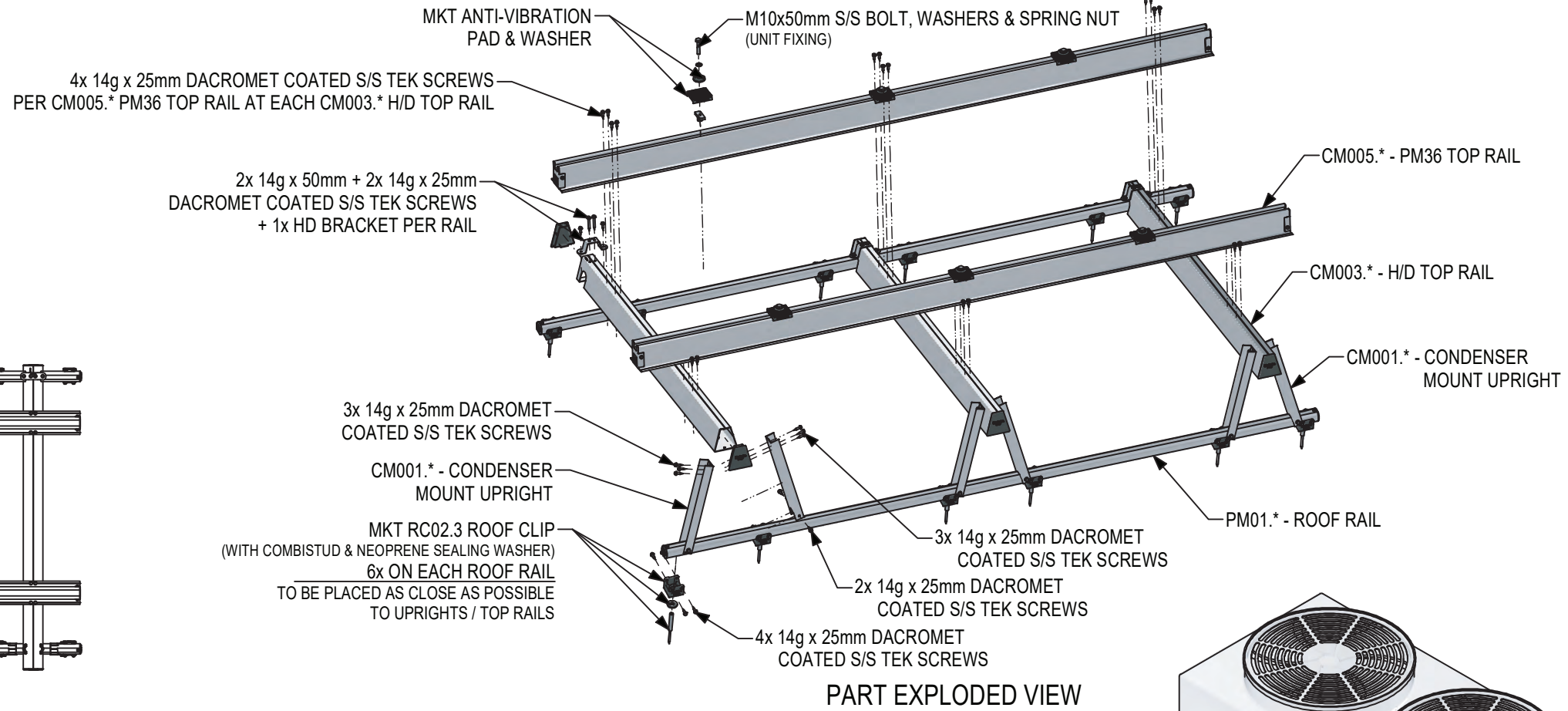
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300kg TOP FIX CONDENSER MOUNT		
MONKEYTOE GROUP		
DWG No: CM03-CSS-1	22/07/2024	
	SHEET 1 OF 1	A3
	SCALE: NTS	REV:1
DO NOT SCALE	DIMENSIONS IN MILLIMETERS	

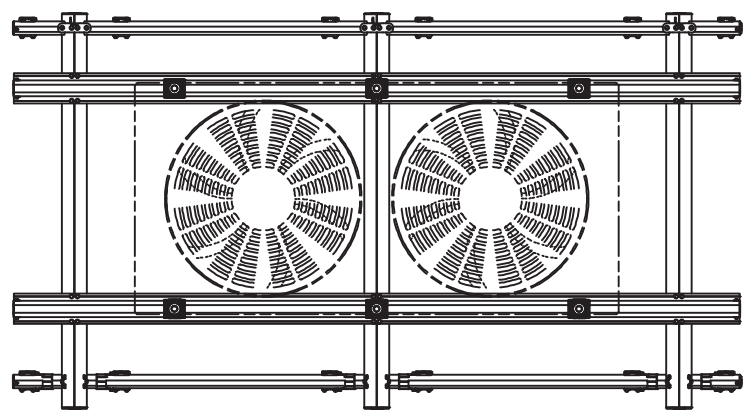
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CONFIGURATIONS		
CODE	MAX. PURLIN SPACING	MAX. ROOF PITCH
CM05.12.1	1200mm	6°
CM05.12.3		13°
CM05.12.6		28°
CM05.18.1	1800mm	4°
CM05.18.3		9°
CM05.18.6		18°
CM05.24.1	2400mm	3°
CM05.24.3		6°
CM05.24.6		13°

A

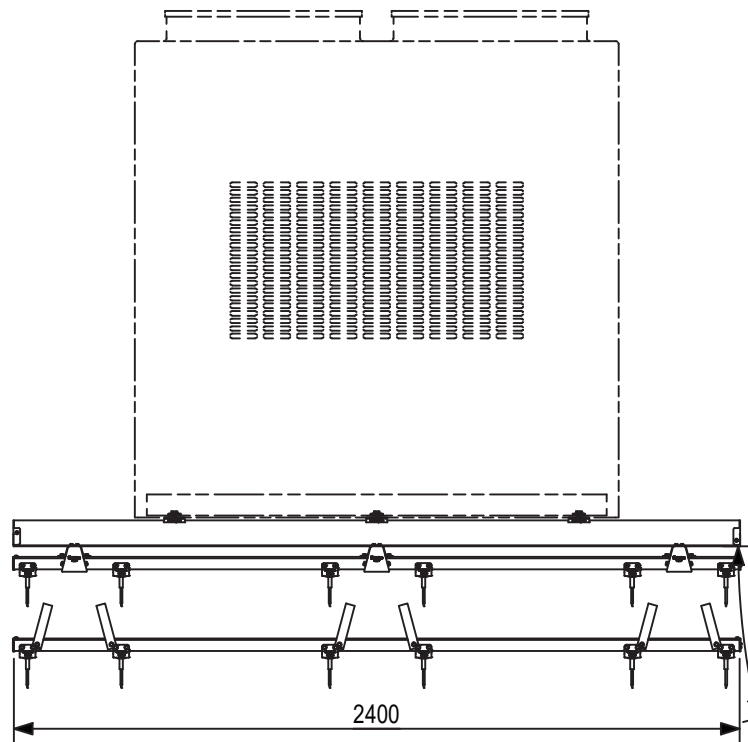


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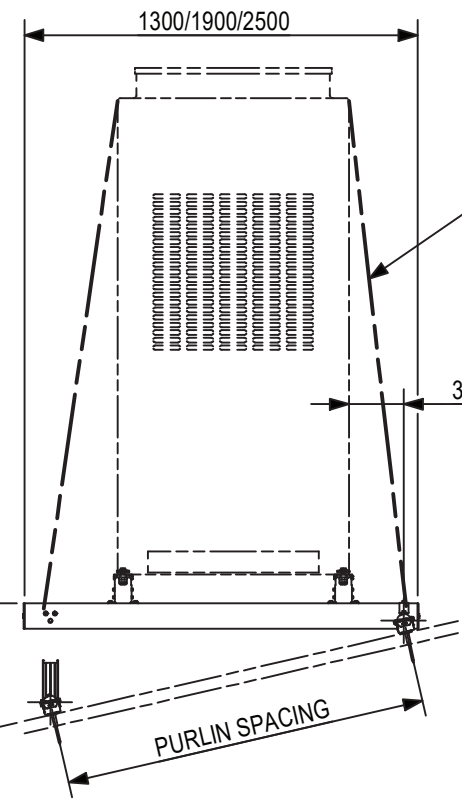


PLAN VIEW

C

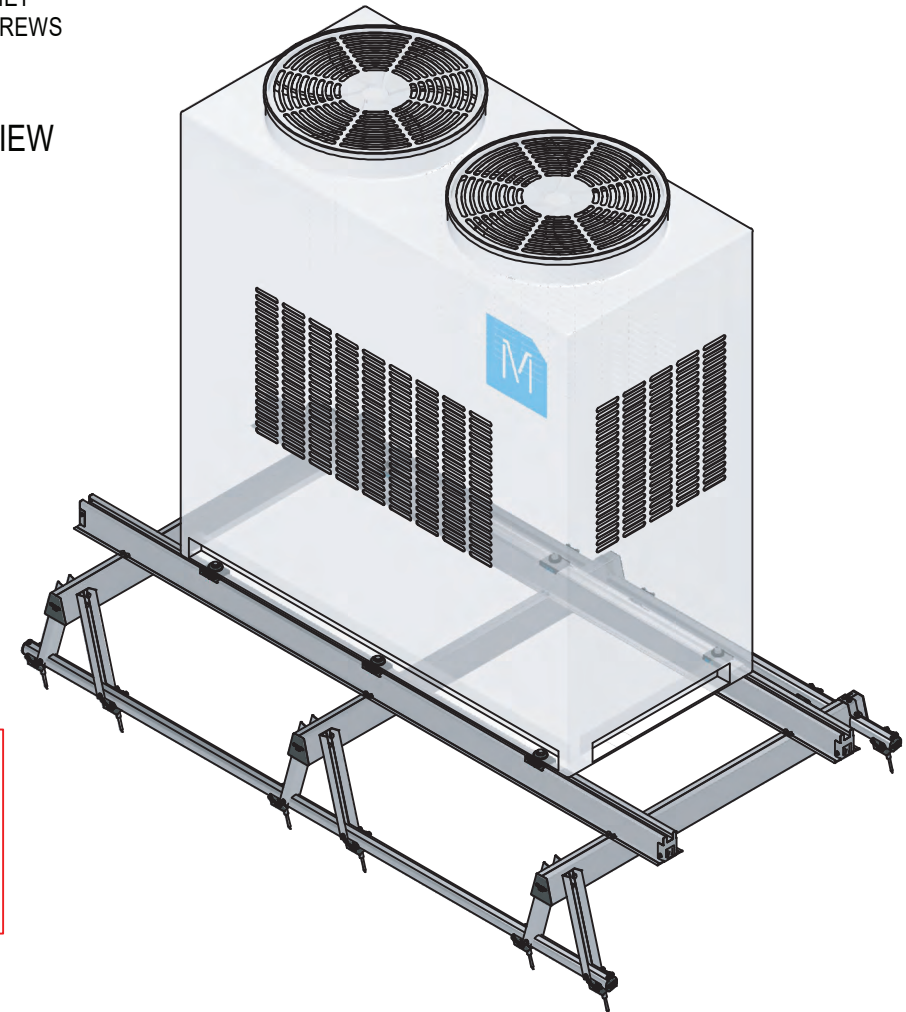


FRONT VIEW



SIDE VIEW

NOTE:
FOR 2400mm PURLINS A 4th CM003.25 H/D TOP RAIL AND PAIR OF CM001.* UPRIGHTS ARE REQUIRED.



D

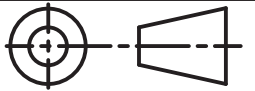
E

F

DESIGN CRITERIA: NEW ZEALAND
 IMPORTANCE LEVEL = 2
 SOIL CLASS = C (Worst Case)
 SEISMIC HAZARD FACTOR (Z) ≤ 0.42
 HORIZONTAL SEISMIC ACCELERATION ≤ 2.2G
 WIND REGIONS: NZ1 - 4
 WIND EXPOSURE: UP TO 30m ABOVE GROUND

DESIGN CRITERIA: AUSTRALIA
 IMPORTANCE LEVEL = 2
 SOIL CLASS = C (Worst Case)
 SEISMIC HAZARD FACTOR (Z) ≤ 0.15
 HORIZONTAL SEISMIC ACCELERATION ≤ 0.5G
 WIND REGIONS: A & B
 WIND EXPOSURE: UP TO 30m ABOVE GROUND

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500kg TOP FIX CONDENSER MOUNT		
MONKEYTOE GROUP		
DWG No: CM05-CSS-1	19/05/2022	
	SHEET 1 OF 1	A3
	SCALE: NTS	REV:1
DO NOT SCALE	DIMENSIONS IN MILLIMETERS	

CONFIGURATIONS		
CODE	MAX. PURLIN SPACING	MAX. ROOF PITCH
CM10.30.1	1200mm	3°
	1500mm	2.5°
CM10.30.3	1200mm	6°
	1500mm	5°
CM10.30.6	1200mm	13°
	1500mm	11°

A

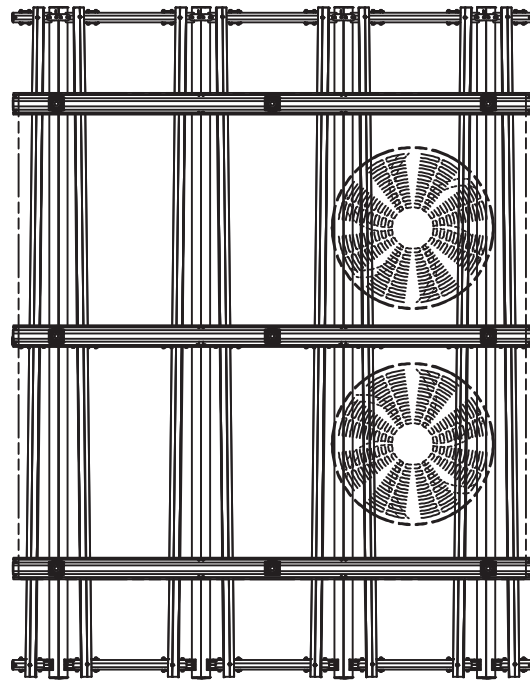
B

C

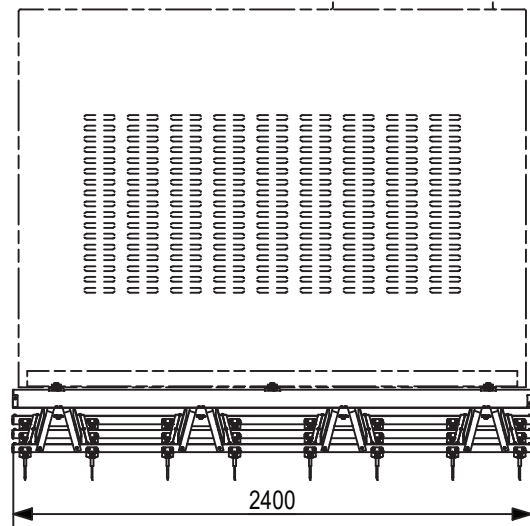
D

E

F



PLAN VIEW



FRONT VIEW

M10x50mm S/S BOLT, WASHERS & SPRING NUT (UNIT FIXING)

MKT ANTI-VIBRATION PAD & WASHER

2x 14g x 50mm + 2x 14g x 25mm DACROMET COATED S/S TEK SCREWS + 1x HD BRACKET PER RAIL

4x 14g x 25mm DACROMET COATED S/S TEK SCREWS

MKT RC02.3 ROOF CLIP (WITH COMBISTUD & NEOPRENE SEALING WASHER) 8x ON EACH ROOF RAIL TO BE PLACED AS CLOSE AS POSSIBLE TO UPRIGHTS / TOP RAILS

3x 14g x 25mm DACROMET COATED S/S TEK SCREWS

CM001.* - CONDENSER MOUNT UPRIGHT

4x 14g x 25mm DACROMET COATED S/S TEK SCREWS PER CM005.* PM36 TOP RAIL AT EACH CM003.* H/D TOP RAIL

PM16.31 - ROOF RAIL TIES FIX WITH 1x 14g x 25mm DACROMET COATED S/S TEK SCREW AT EACH ROOF RAIL INTERSECTION

CM005.* - PM36 TOP RAIL

CM003.* - H/D TOP RAIL

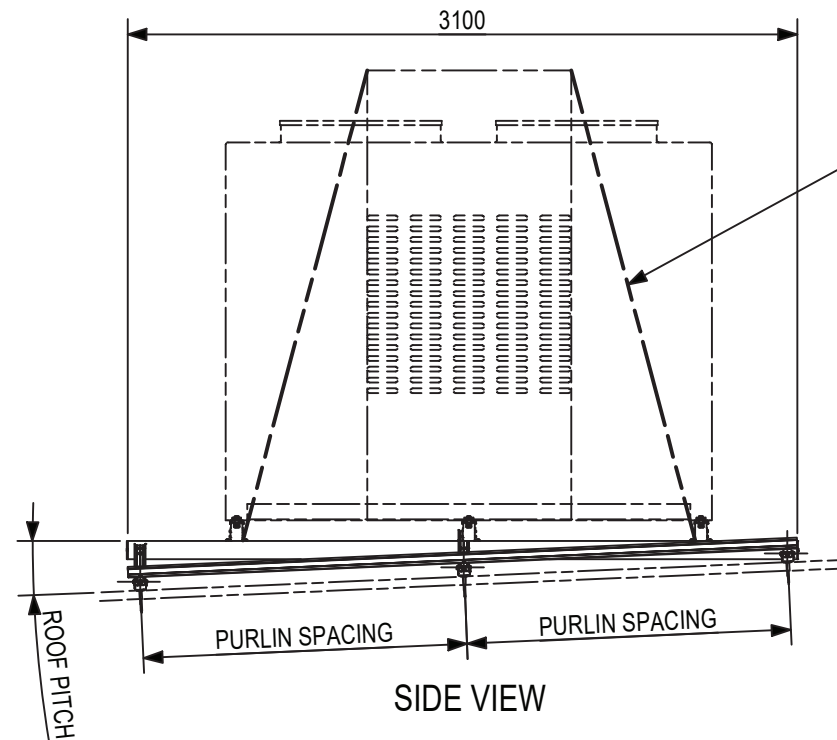
CM001.* - CONDENSER MOUNT UPRIGHT

PM01.* - ROOF RAIL

2x 14g x 25mm DACROMET COATED S/S TEK SCREWS

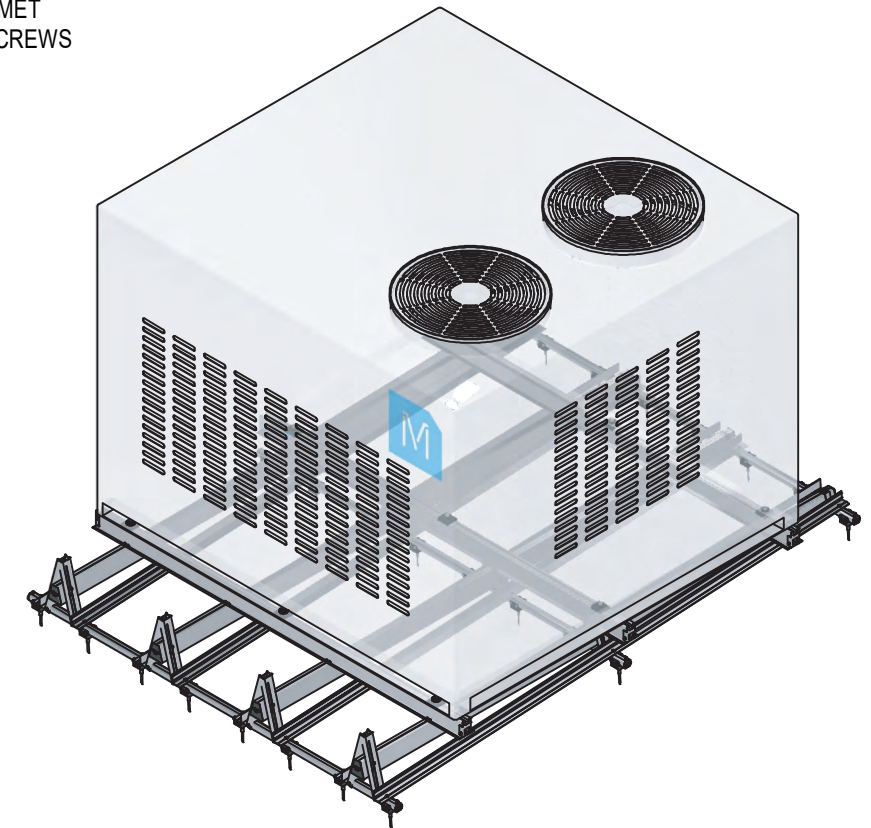
3x 14g x 25mm DACROMET COATED S/S TEK SCREWS

PART EXPLODED VIEW



SIDE VIEW

TALL SLENDER UNITS TO BE BRACED, FIX TO CM003.* TOP RAILS, BOTH SIDES (NOT INCLUDED IN KIT)

**DESIGN CRITERIA: NEW ZEALAND**

IMPORTANCE LEVEL = 2
 SOIL CLASS = C (Worst Case)
 SEISMIC HAZARD FACTOR (Z) ≤ 0.42
 HORIZONTAL SEISMIC ACCELERATION ≤ 2.2G
 WIND REGIONS: NZ1 - 4
 WIND EXPOSURE: UP TO 30m ABOVE GROUND

DESIGN CRITERIA: AUSTRALIA

IMPORTANCE LEVEL = 2
 SOIL CLASS = C (Worst Case)
 SEISMIC HAZARD FACTOR (Z) ≤ 0.15
 HORIZONTAL SEISMIC ACCELERATION ≤ 0.5G
 WIND REGIONS: A & B
 WIND EXPOSURE: UP TO 30m ABOVE GROUND

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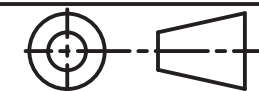
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1000kg TOP FIX CONDENSER MOUNT

MONKEYTOE GROUP

DWG No: CM10-CSS-1

19/05/2022



SHEET 1 OF 1

A3

SCALE: NTS

REV:1

DO NOT SCALE

DIMENSIONS IN MILLIMETERS