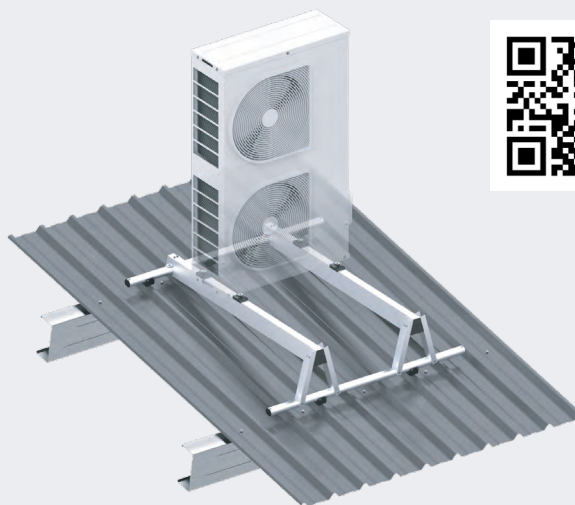


CONDENSER MOUNTS

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

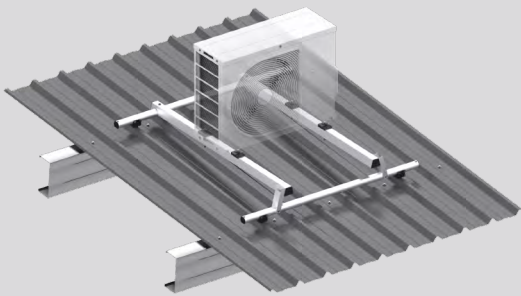
WARRANTY

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

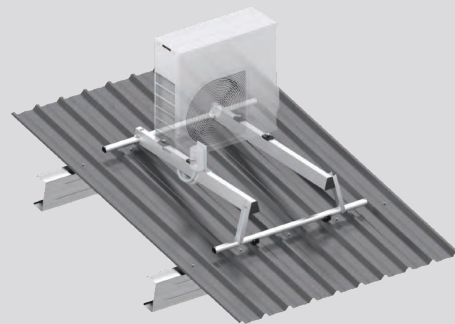
MAINTENANCE

- 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.

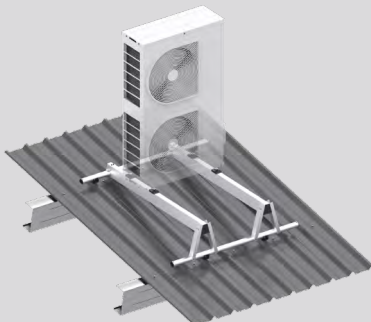
PRODUCT IMAGES



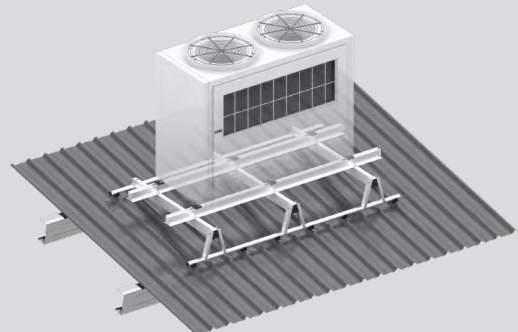
CM01 MOUNT | UP TO 120KG



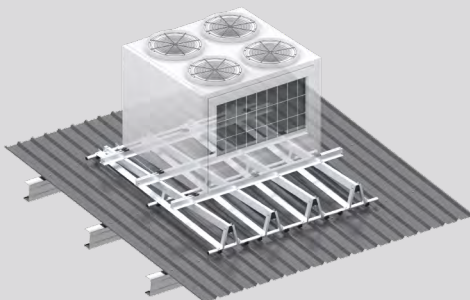
CM02 MOUNT | UP TO 200KG



CM03 MOUNT | UP TO 300KG



CM05 MOUNT | UP TO 500KG



CM10 MOUNT | UP TO 1000KG

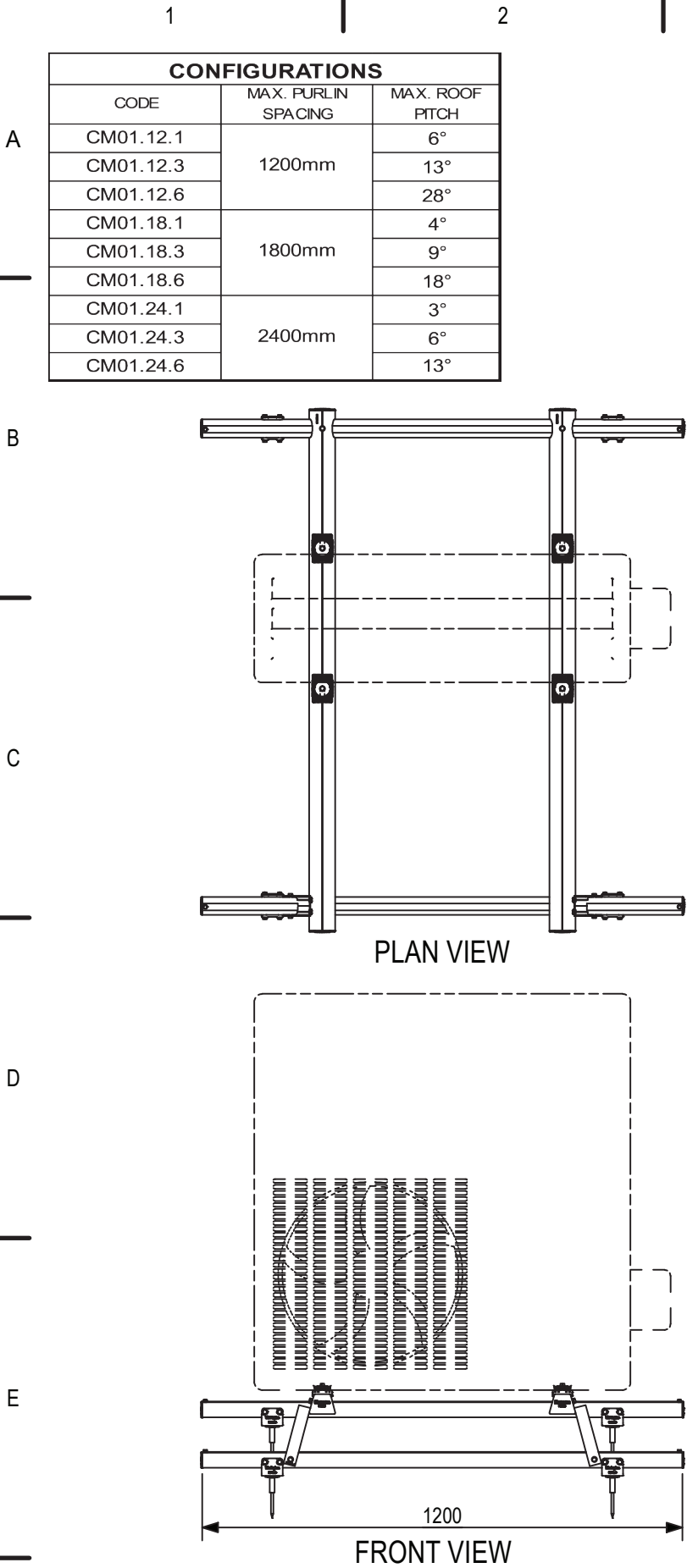


24 x additional 14g x 25mm
S/Steel Tek Screws



6 x additional RC02
Combistud fixings

CMRC.6 - WIND REGION C UPGRADE KIT



WIND REGIONS NZ1 NZ2 & A0-A5:

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

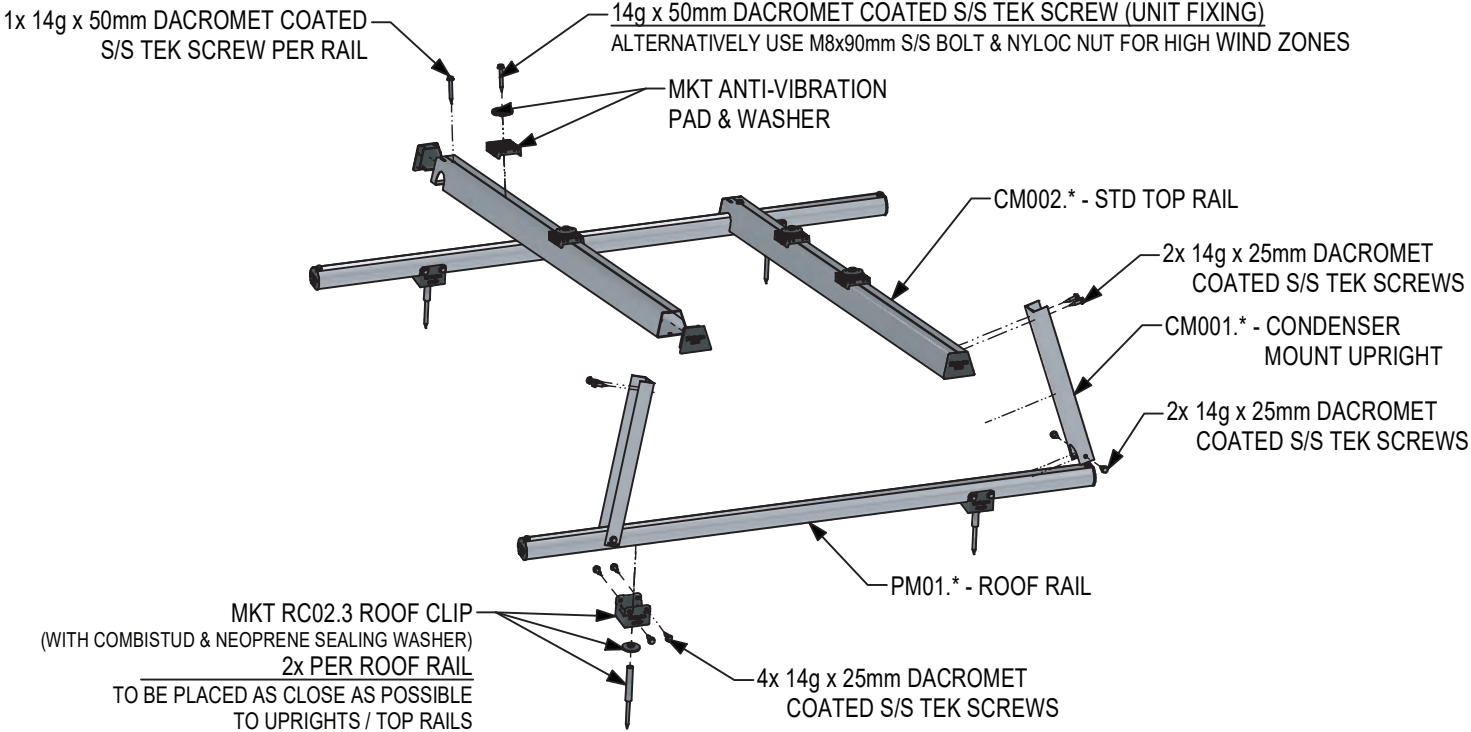
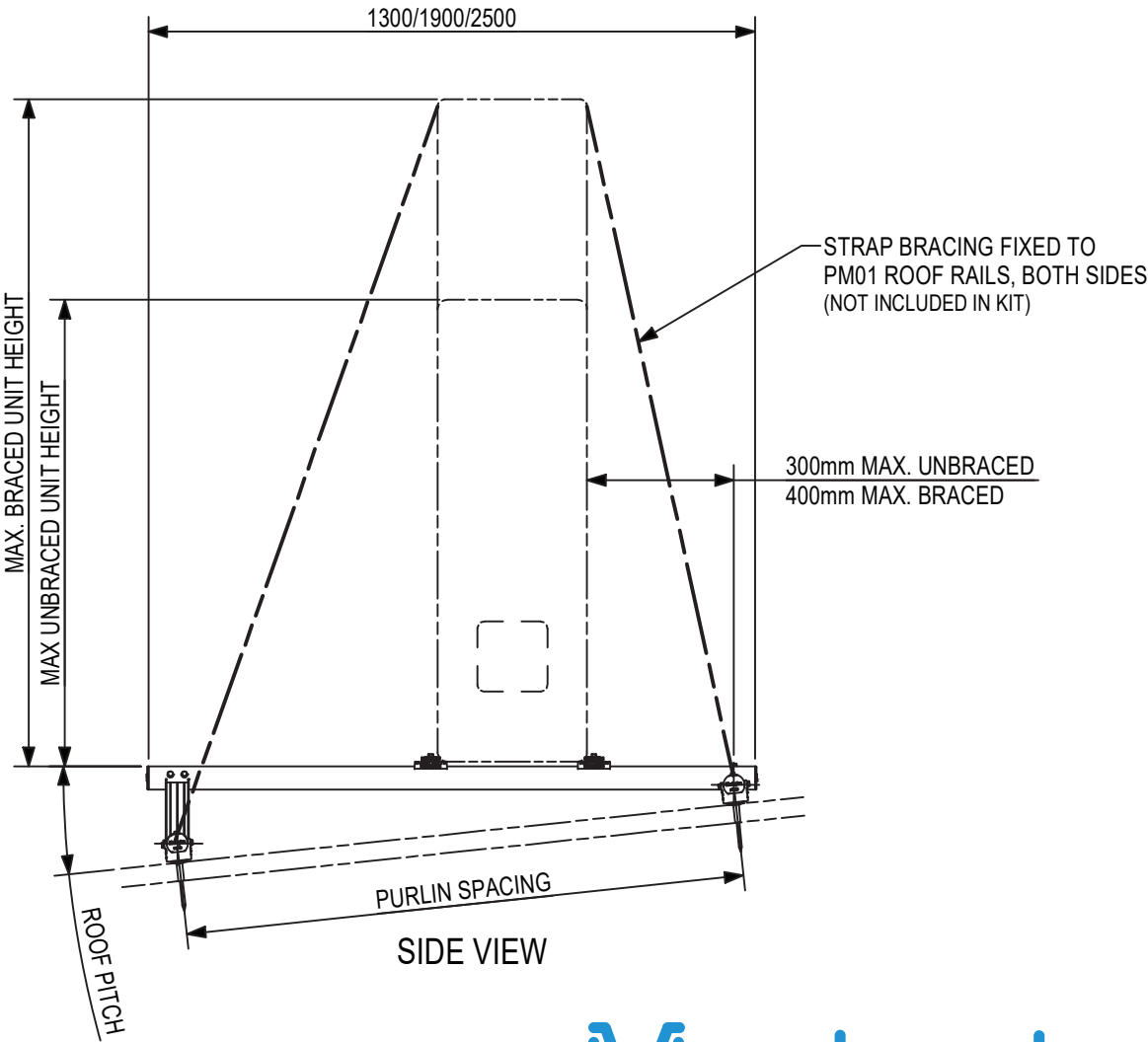
WIND REGIONS NZ3 & NZ4:

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)

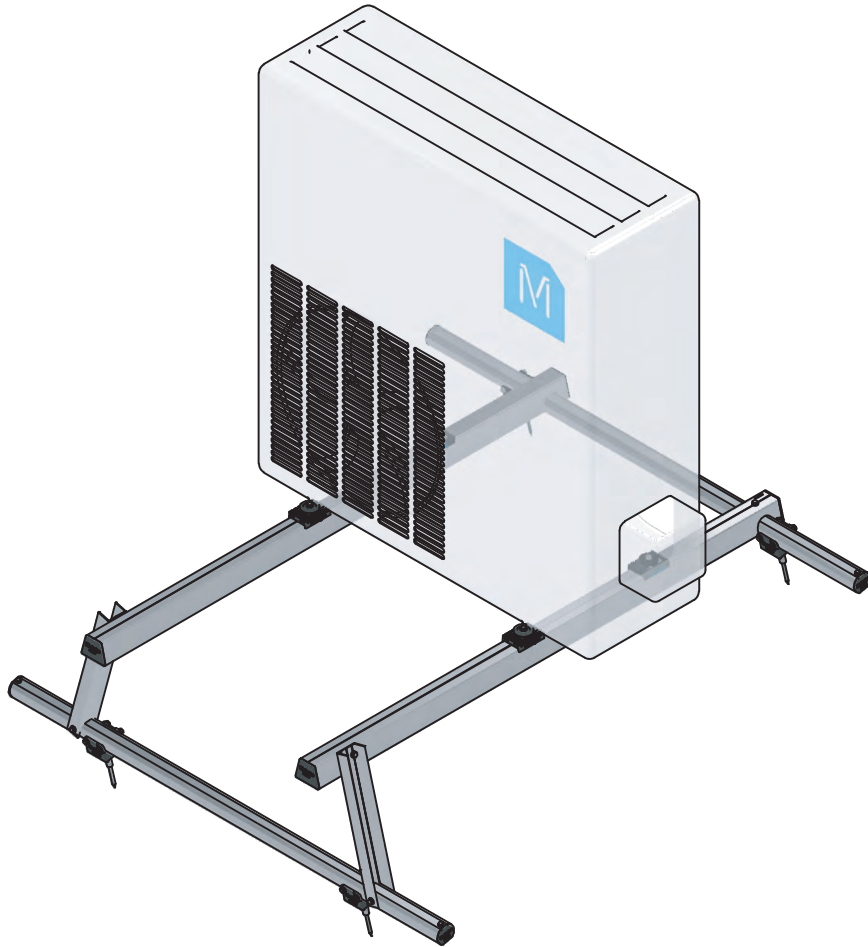
WIND REGIONS B1 & B2:

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.



PART EXPLODED VIEW



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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120kg TOP FIX CONDENSER MOUNT		
MONKEYTOE GROUP		
DWG No: CM01-CSS-1	19/05/2022	
	SHEET 1 OF 1	A3
	SCALE: NTS	REV:1
	DIMENSIONS IN MILLIMETERS	

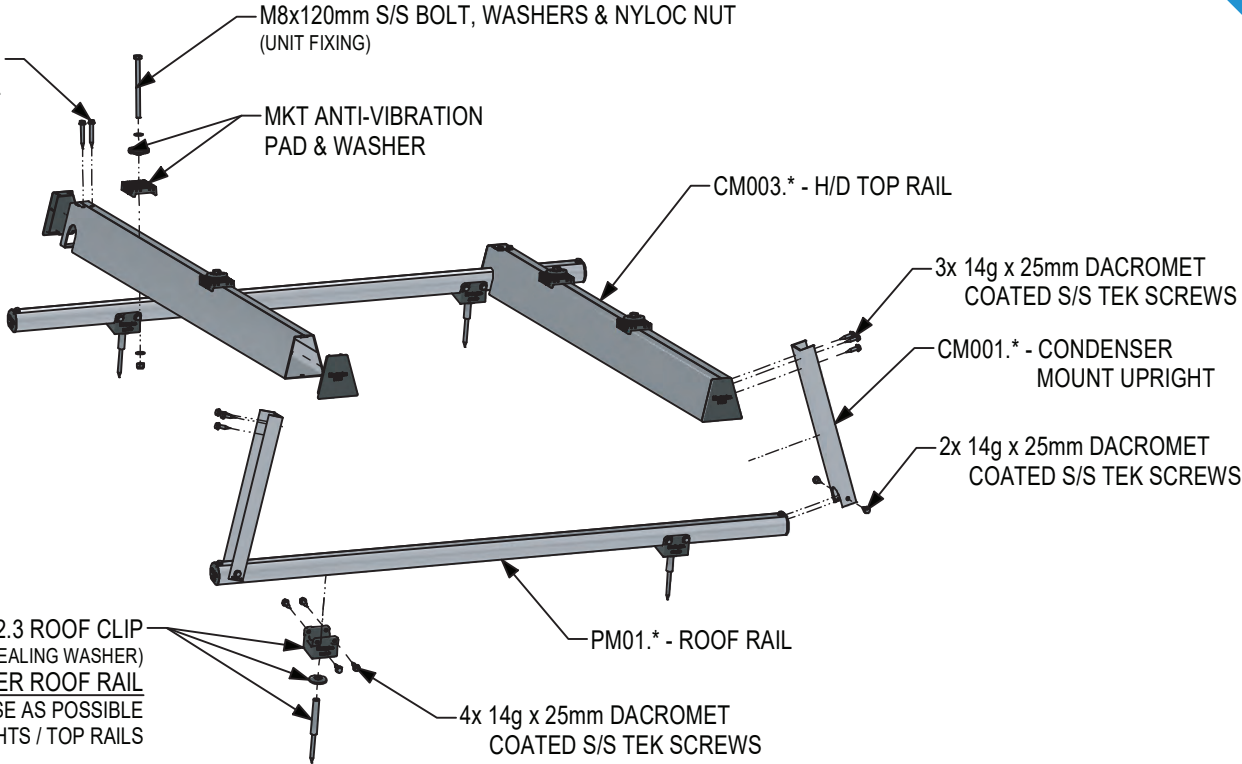
CONFIGURATIONS		
CODE	MAX. PURLIN SPACING	MAX. ROOF PITCH
CM02.12.1	1200mm	6°
CM02.12.3		13°
CM02.12.6		28°
CM02.18.1		4°
CM02.18.3	1800mm	9°
CM02.18.6		18°
CM02.24.1		3°
CM02.24.3	2400mm	6°
CM02.24.6		13°

FOR SPLIT STYLE UNITS ONLY
NOT SUITABLE FOR VRF UNITS.

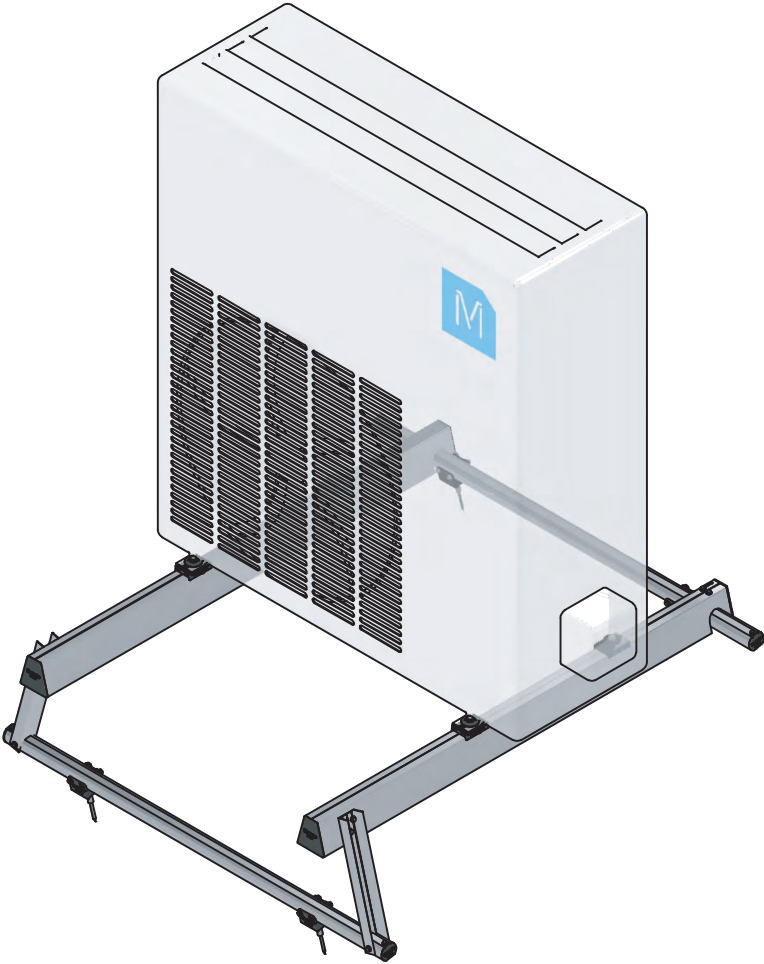
WIND REGIONS NZ1 TO NZ4, A0-5, B1 & B2:

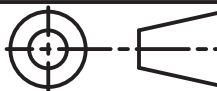
MAX. UNBRACED UNIT HEIGHT = 1400mm*
MAX. BRACED UNIT HEIGHT = 1600mm @ 1000mm WIDE
MAX. UNIT WIDTH = 1350mm @ 1400mm TALL

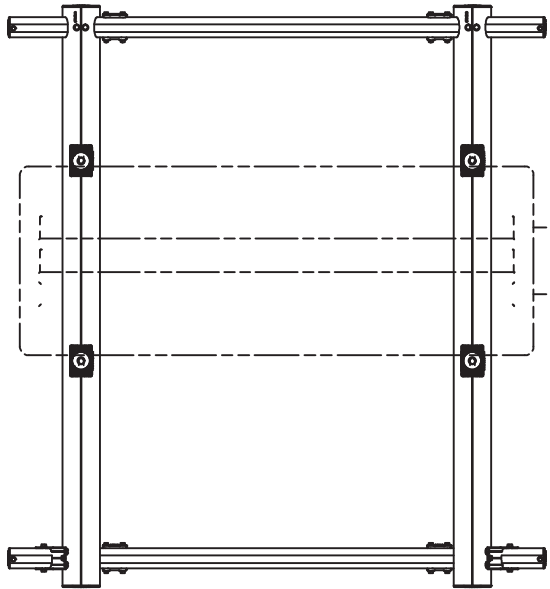
* REFER TO UNIT MANUFACTURERS BRACING REQUIREMENTS FOR UNITS LESS THAN SPECIFIED HEIGHT.



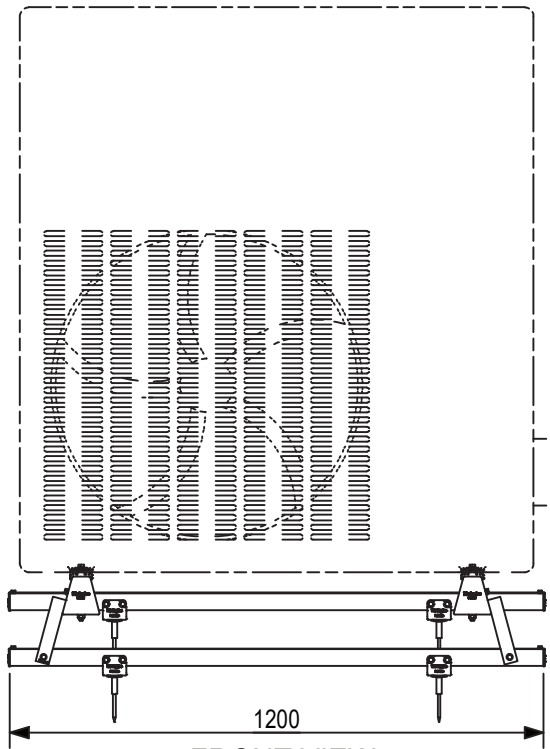
PART EXPLODED VIEW



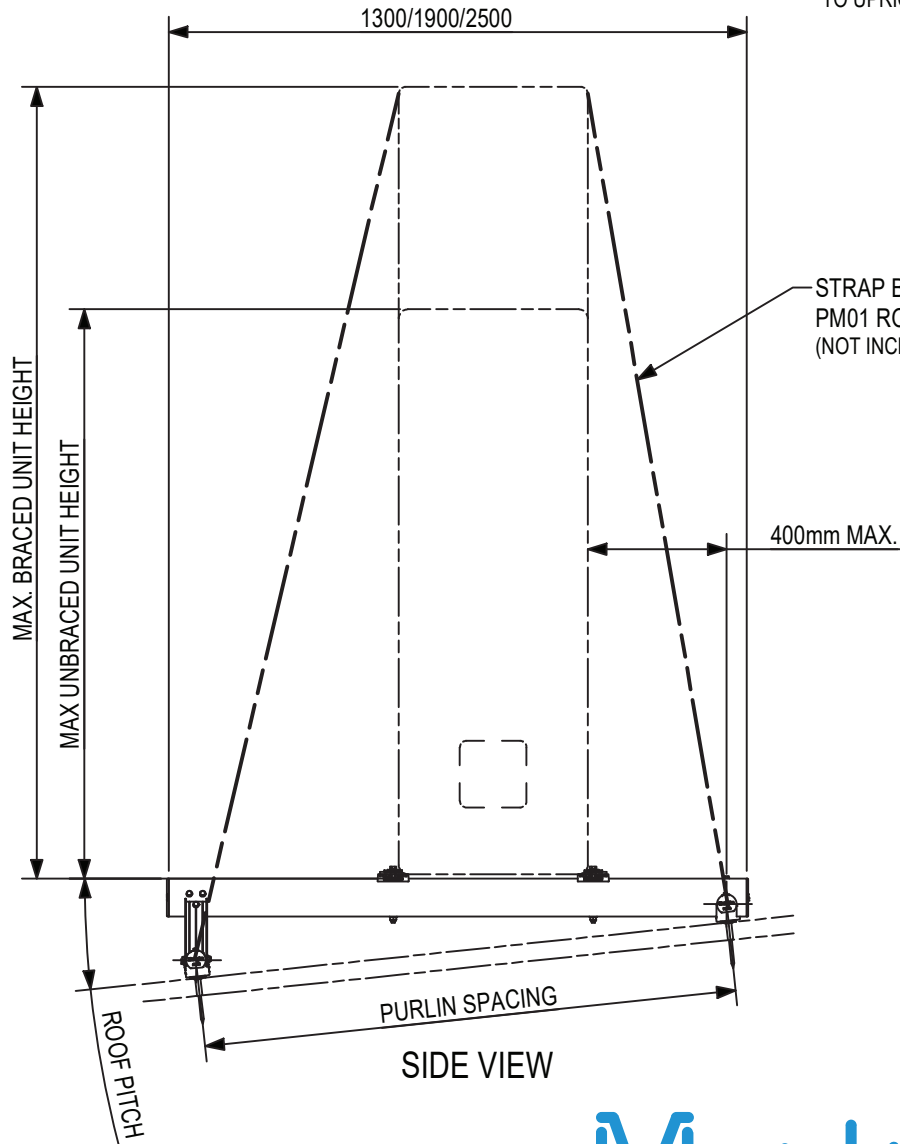
200kg TOP FIX CONDENSER MOUNT		
MONKEYTOE GROUP		
DWG No: CM02-CSS-1		19/05/2022
	SHEET 1 OF 1	A3
	SCALE: NTS	REV:1
	DO NOT SCALE	DIMENSIONS IN MILLIMETERS



PLAN VIEW



FRONT VIEW



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

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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°

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.

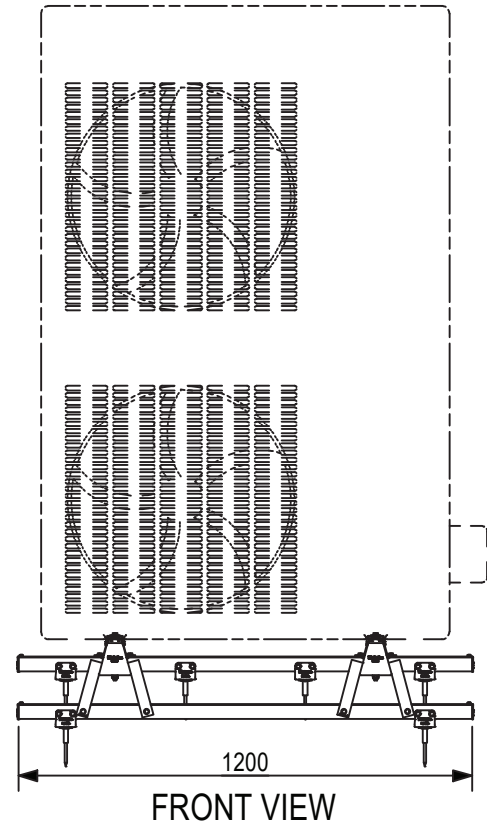
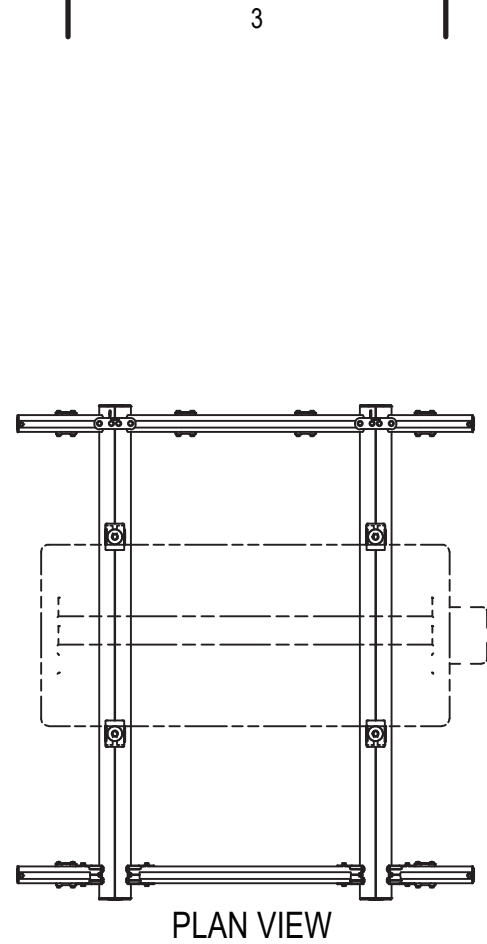
MAX. UNIT HEIGHT = 1850mm*

MAX. UNIT WIDTH = 1000mm

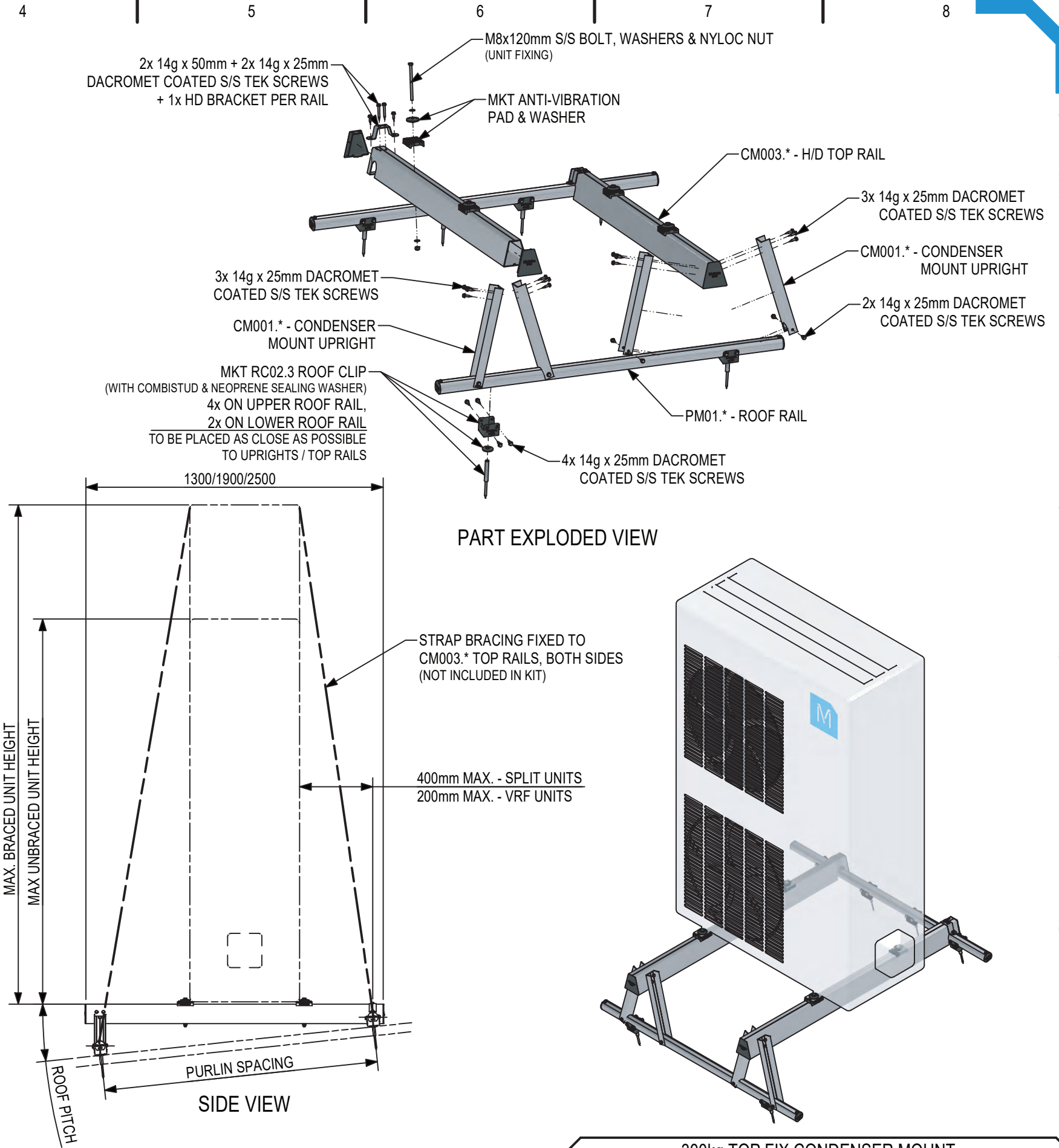
MAX. UNIT DEPTH = 1000mm

* 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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300kg TOP FIX CONDENSER MOUNT		
MONKEYTOE GROUP		
DWG No: CM03-CSS-1	19/05/2022	
	SHEET 1 OF 1	A3
	SCALE: NTS	REV:1
	DIMENSIONS IN MILLIMETERS	

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

B

C

D

E

F

G

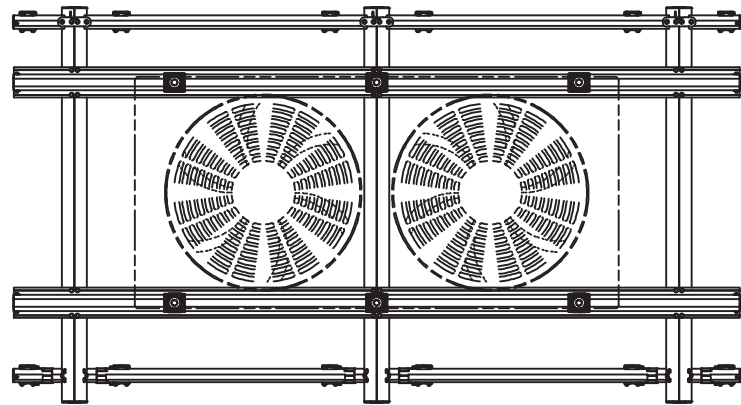
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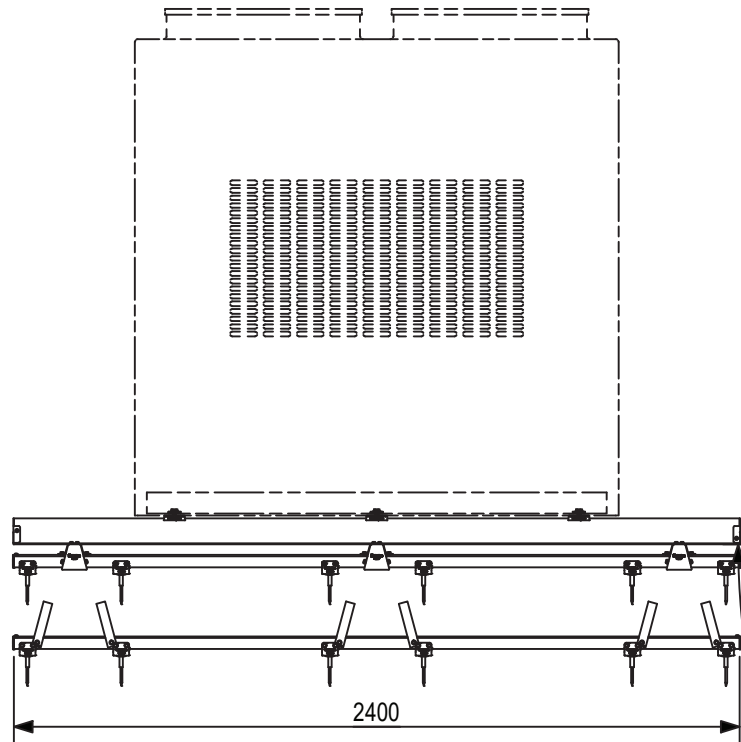
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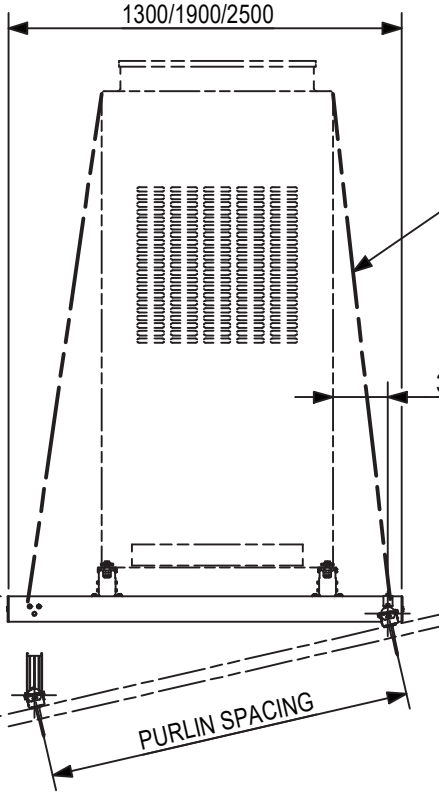
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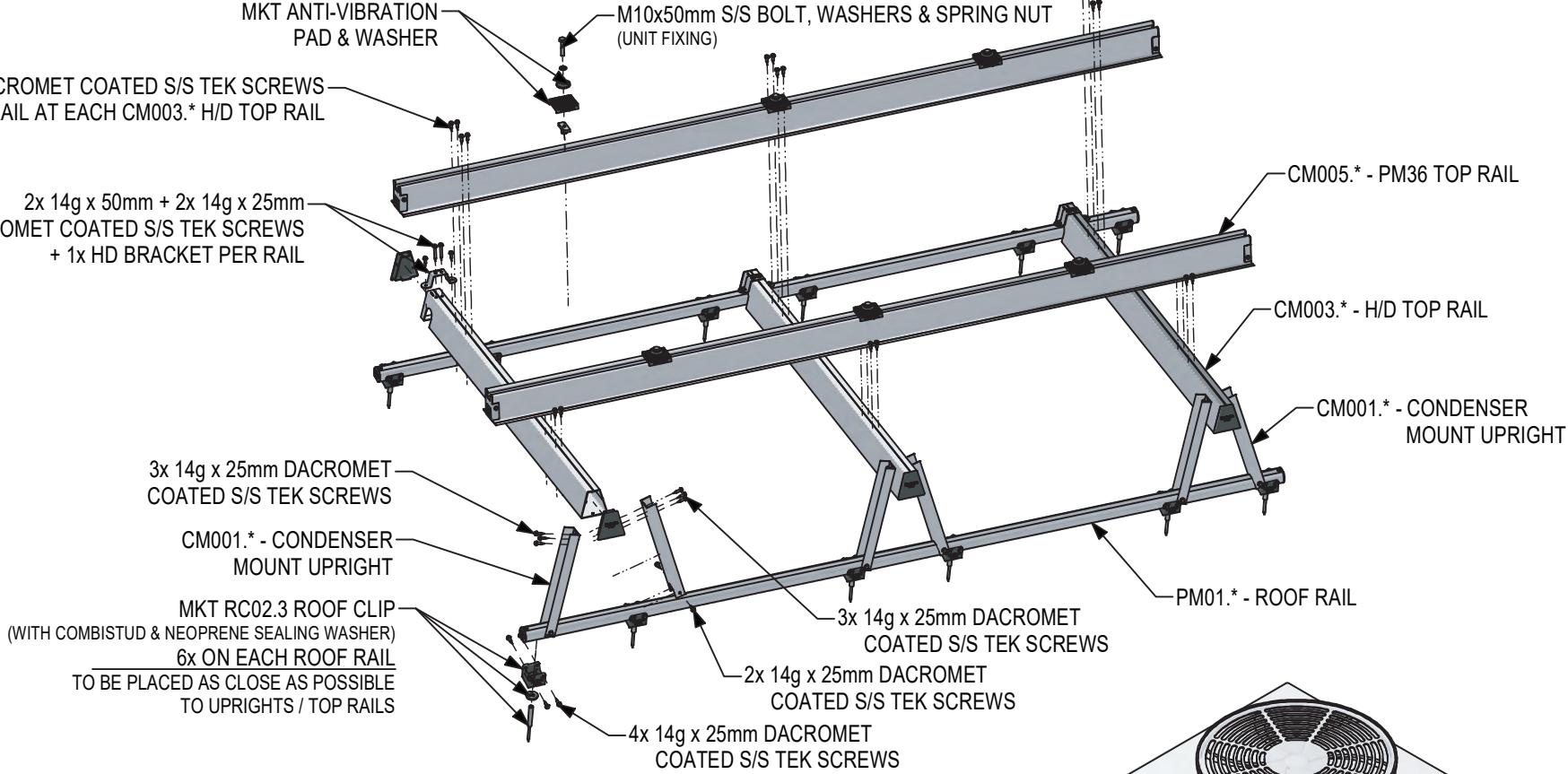
PLAN VIEW



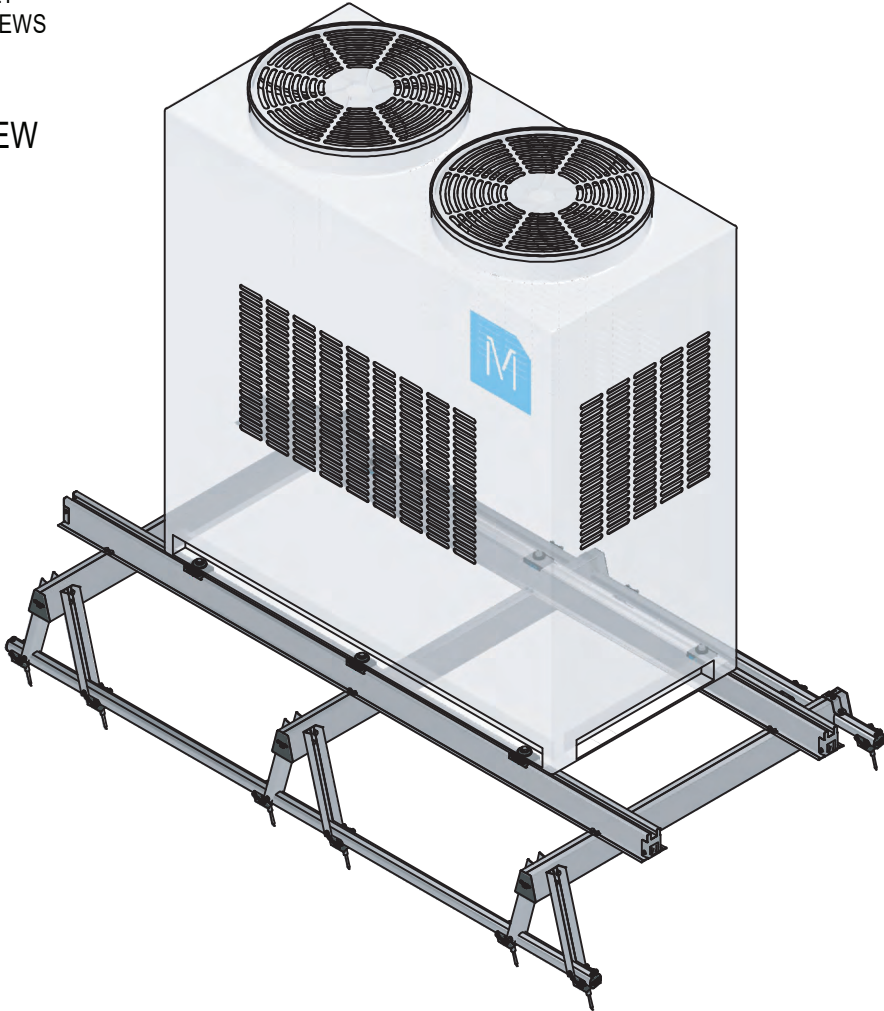
FRONT VIEW



SIDE VIEW



PART EXPLODED VIEW



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

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	
DO NOT SCALE	SHEET 1 OF 1	A3
	SCALE: NTS	REV:1
	DIMENSIONS IN MILLIMETERS	

