PLATFORMS
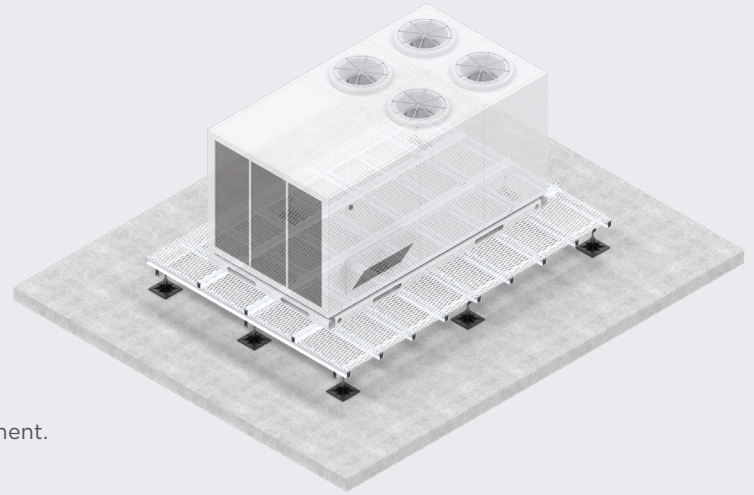## Monkeytoe
Smartgrip Mesh Platform

PRODUCT DESCRIPTION

Adjustable, non penetrating, Aluminium, Mesh deck platform for surface mounting of small medium & large HVAC units and equipment.

TYPICAL USES / APPLICATIONS

• Membrane rooftop mounting for HVAC & equipment with raised service access

• Membrane rooftop protection for servicing & maintenance access

• Equipment support & mounting to insulated panel internal ceiling area's with raised service access

• Equipment support & mounting to concrete, paved & sealed area's with raised service access

• Portable maintenance access platforms over membrane area's

CHARACTERISTICS / ADVANTAGES

• No Penetration of water tight roofing or seals

• Light weight portable structure

• Modular & Adjustable design

• Quick & Easy installation

• No welding or hotwork required

• Easily extended/expanded for future requirements

• Protection of delicate or easily damaged substructures

• Pre or custom engineered solutions to suit your needs

• Easy & safe access for servicing or maintenance of equipment with Non Slip surface

TECHNICAL DATA / MATERIALS

• High tensile structural marine-grade aluminium

• 304 Grade Stainless steel unit Fixings

• Hi grade Dacromet coated Structure fixings

• Hi Strength structural plastic feet

TESTS

APPROVALS / STANDARDS

• Structural design action B1 & B2

• AS/NZS 1170 Standards Australia / New Zealand (Relevant parts)

• Aluminium Structures, Part 1: Limit State Design AS/NZS 1664.1 Standards Australia / New Zealand NZS/ AS 1657

WARRANTY

• 10 years materials and 2 years install
• Product Warranty is valid in accordance to the PS1 Engineering Standard that it has been designed to

INSTALLATION

• Installation works must be carried out only by Monkeytoe or instructed/approved contractors

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.
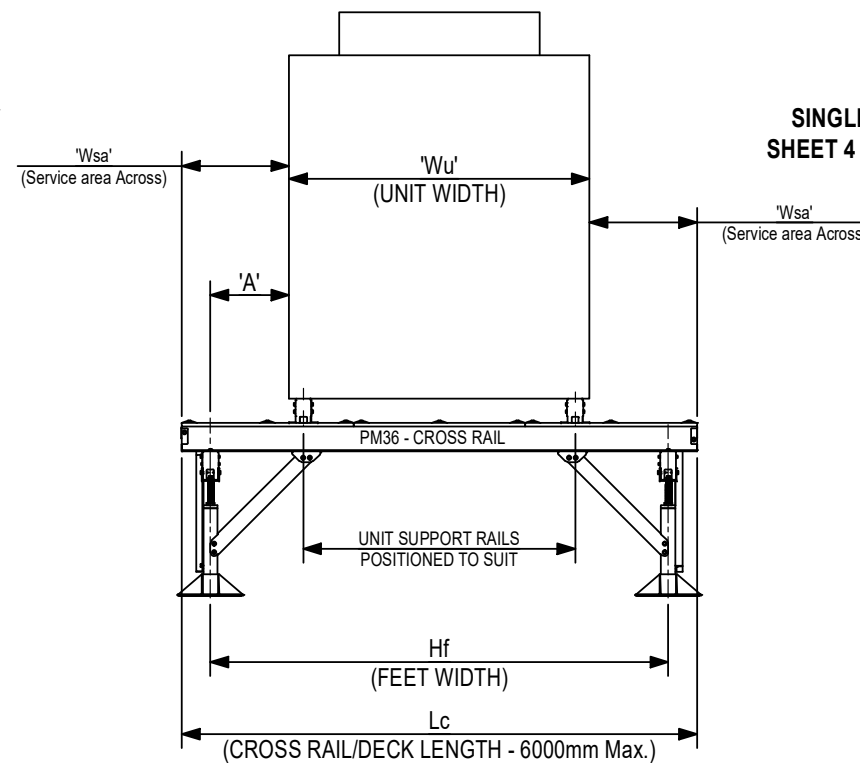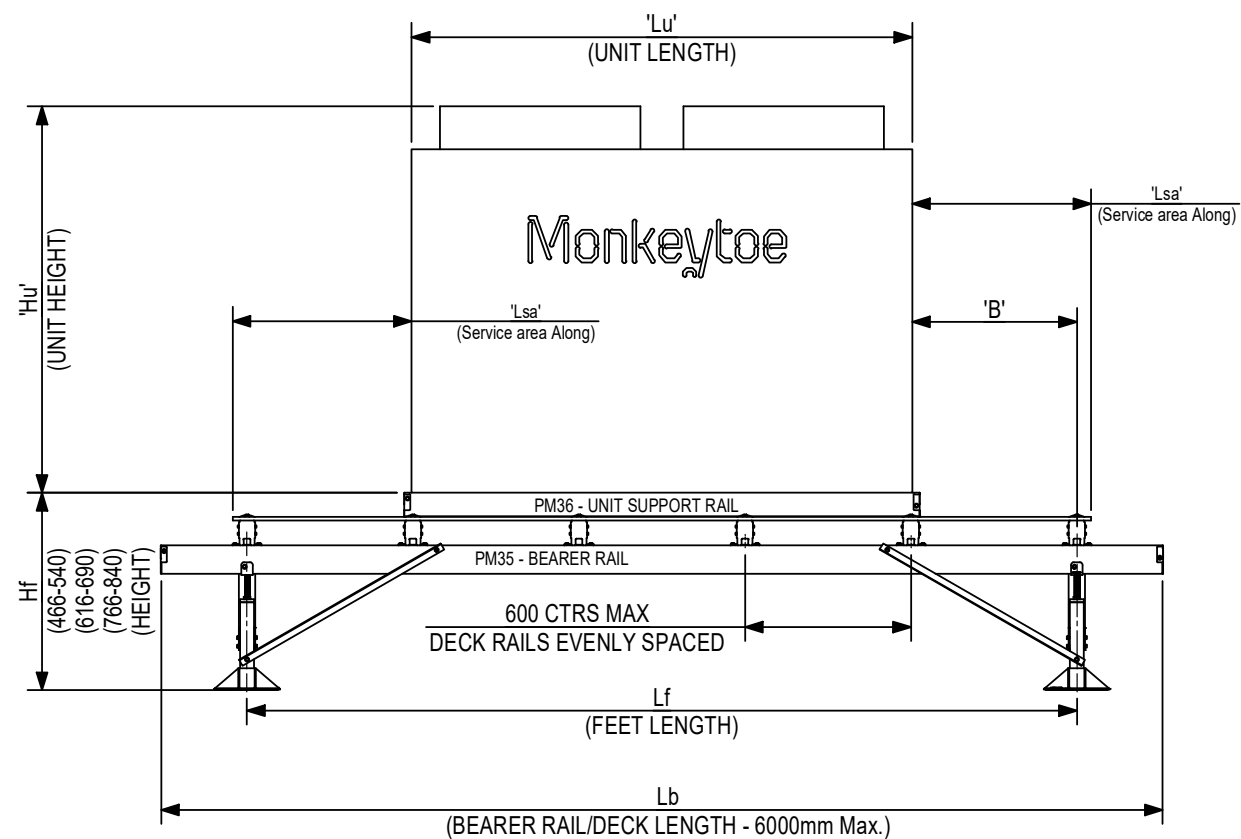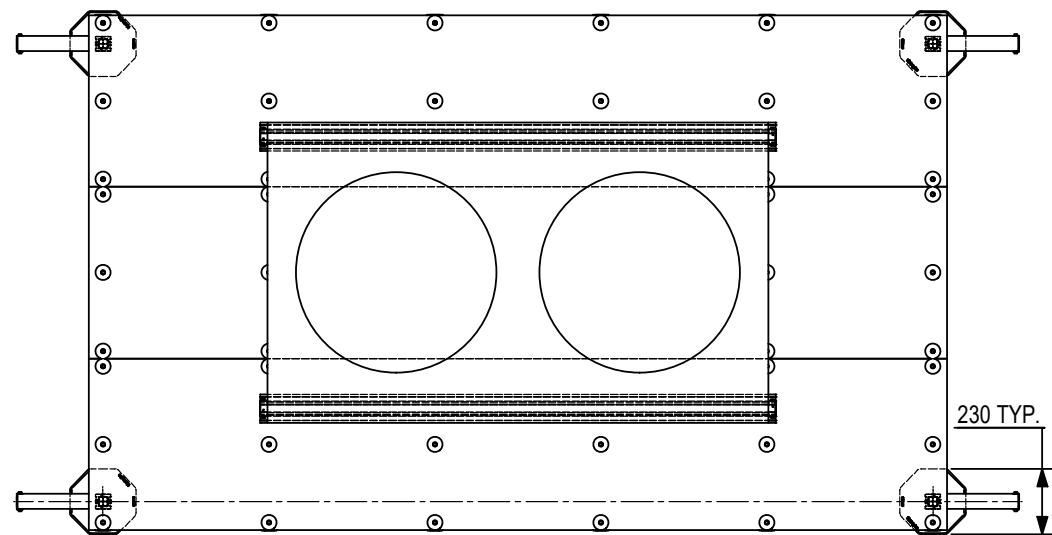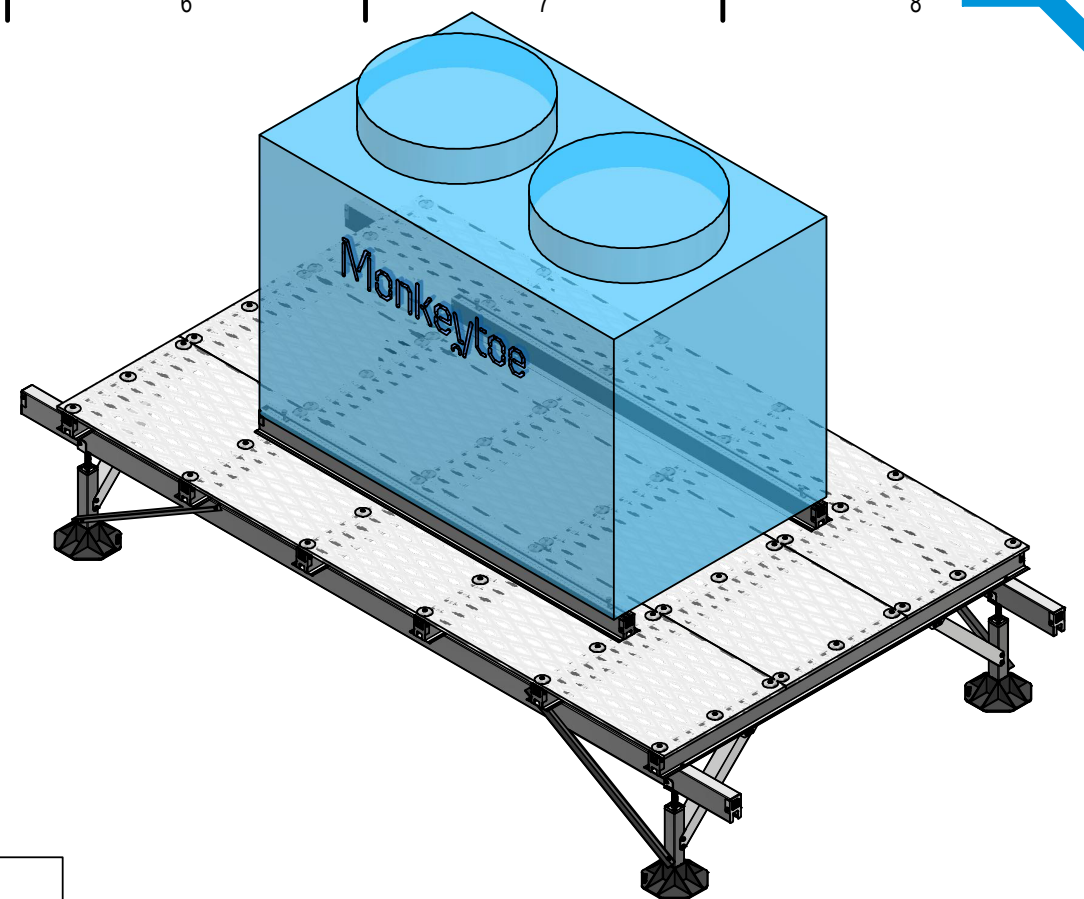
230 TYP.

'Lu'
(UNIT LENGTH)

'Lsa'
(Service area Along)

'Hu'
(UNIT HEIGHT)

'Lsa'
(Service area Along)

'B'

PM36 - UNIT SUPPORT RAIL

PM35 - BEARER RAIL

Hf
(466-540)
(616-690)
(766-840)
(HEIGHT)

600 CTRS MAX
DECK RAILS EVENLY SPACED

Lf
(FEET LENGTH)

Lb
(BEARER RAIL/DECK LENGTH - 6000mm Max.)

'Wsa'
(Service area Across)

'Wu'
(UNIT WIDTH)

'Wsa'
(Service area Across)

'A'

PM36 - CROSS RAIL

UNIT SUPPORT RAILS
POSITIONED TO SUIT

Hf
(FEET WIDTH)

Lc
(CROSS RAIL/DECK LENGTH - 6000mm Max.)

SINGLE BAY CONFIGURATION SHOWN, SEE
SHEET 4 FOR OTHER CONFIGURATION OPTIONS

KITSET NUMBERING GUIDE

PRIMARY CODE	# BAYS 'L' x # BAYS 'W'	# CROSS RAILS	BEARER RAIL LENGTH (mm) ÷ 100	CROSS RAIL LENGTH (mm) ÷ 100	# UNIT FIXINGS	FIXING DIA, (metric)
CSM200.	00.00.	00.	000.	000.	00.	00

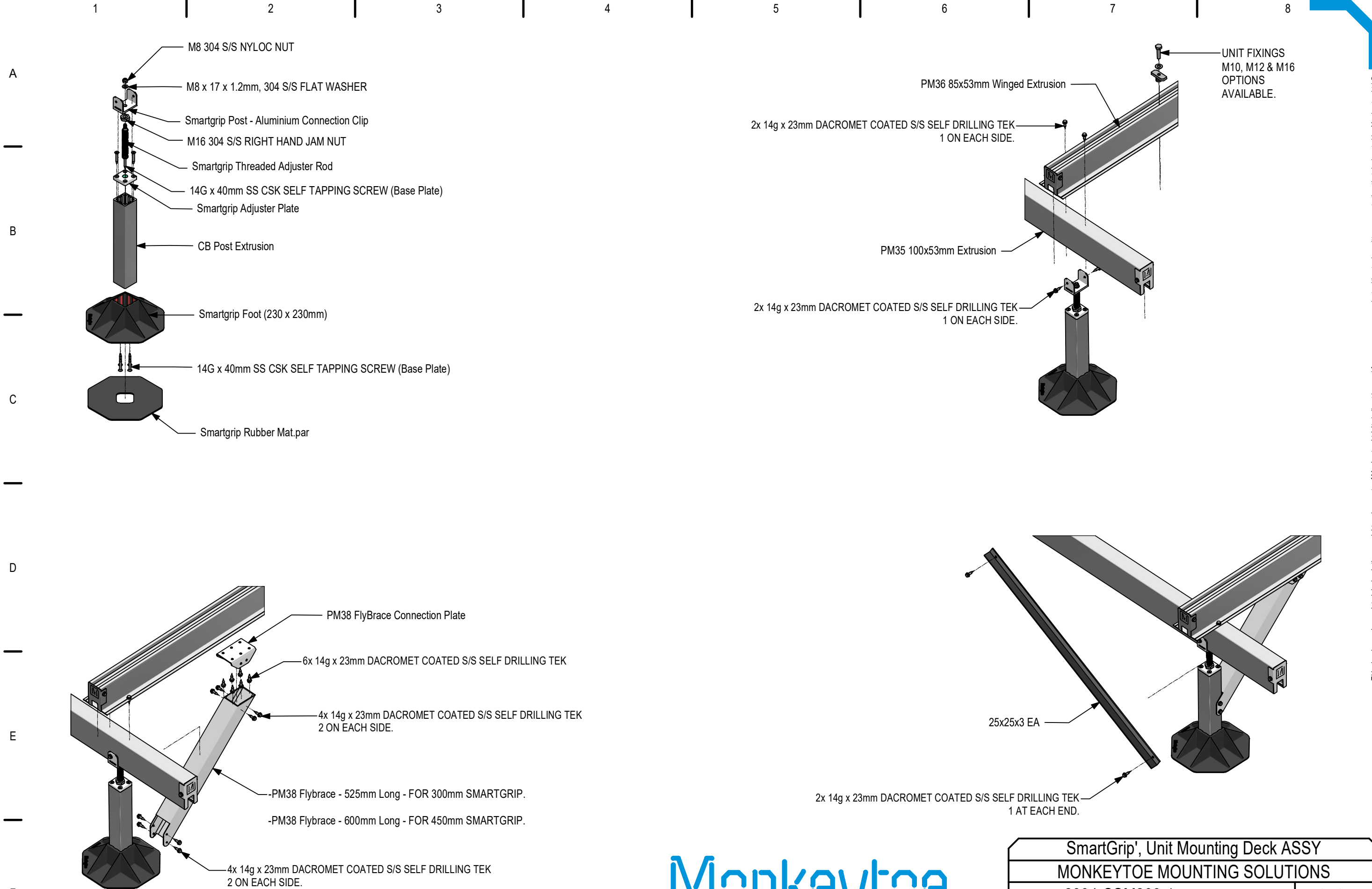CSM200.02.01.03.048.018.08.10
(Example Kitset Code)

ALL KITSETS ARE TO BE
SPECIFIED USING THE
'CSM001.ENG.CALC' FOR NZ
'CSM000.ENG.CALC' FOR AU
CALCULATOR TO
ENSURE ENGINEERING
SUITABILITY

Monkeytoe
EVERYTHING BETTER
0800 658 637 - www.monkeytoe.co.nz

SmartGrip', Unit Mounting Deck ASSY	
MONKEYTOE MOUNTING SOLUTIONS	
DWG No: **2004-CSM200-1**	18/09/2023
SHEET 1 OF 4	A3
SCALE: 1 : 25	REV:4
DO NOT SCALE	DIMENSIONS IN MILLIMETERS

M8 304 S/S NYLOC NUT

M8 x 17 x 1.2mm, 304 S/S FLAT WASHER

Smartgrip Post - Aluminium Connection Clip

M16 304 S/S RIGHT HAND JAM NUT

Smartgrip Threaded Adjuster Rod

14G x 40mm SS CSK SELF TAPPING SCREW (Base Plate)

Smartgrip Adjuster Plate

CB Post Extrusion

Smartgrip Foot (230 x 230mm)

14G x 40mm SS CSK SELF TAPPING SCREW (Base Plate)

Smartgrip Rubber Mat.par

PM38 FlyBrace Connection Plate

6x 14g x 23mm DACROMET COATED S/S SELF DRILLING TEK

4x 14g x 23mm DACROMET COATED S/S SELF DRILLING TEK
2 ON EACH SIDE.

-PM38 Flybrace - 525mm Long - FOR 300mm SMARTGRIP.

-PM38 Flybrace - 600mm Long - FOR 450mm SMARTGRIP.

4x 14g x 23mm DACROMET COATED S/S SELF DRILLING TEK
2 ON EACH SIDE.

UNIT FIXINGS
M10, M12 & M16
OPTIONS
AVAILABLE.

PM36 85x53mm Winged Extrusion

2x 14g x 23mm DACROMET COATED S/S SELF DRILLING TEK
1 ON EACH SIDE.

PM35 100x53mm Extrusion

2x 14g x 23mm DACROMET COATED S/S SELF DRILLING TEK
1 ON EACH SIDE.

25x25x3 EA

2x 14g x 23mm DACROMET COATED S/S SELF DRILLING TEK
1 AT EACH END.

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SmartGrip', Unit Mounting Deck ASSY		
MONKEYTOE MOUNTING SOLUTIONS		
DWG No: **2004-CSM200-1**		18/09/2023
	SHEET 2 OF 4	A3
	SCALE: 1 : 20	REV:4
DO NOT SCALE	DIMENSIONS IN MILLIMETERS	

14g x 55mm DACROMET COATED S/S SELF DRILLING TEK

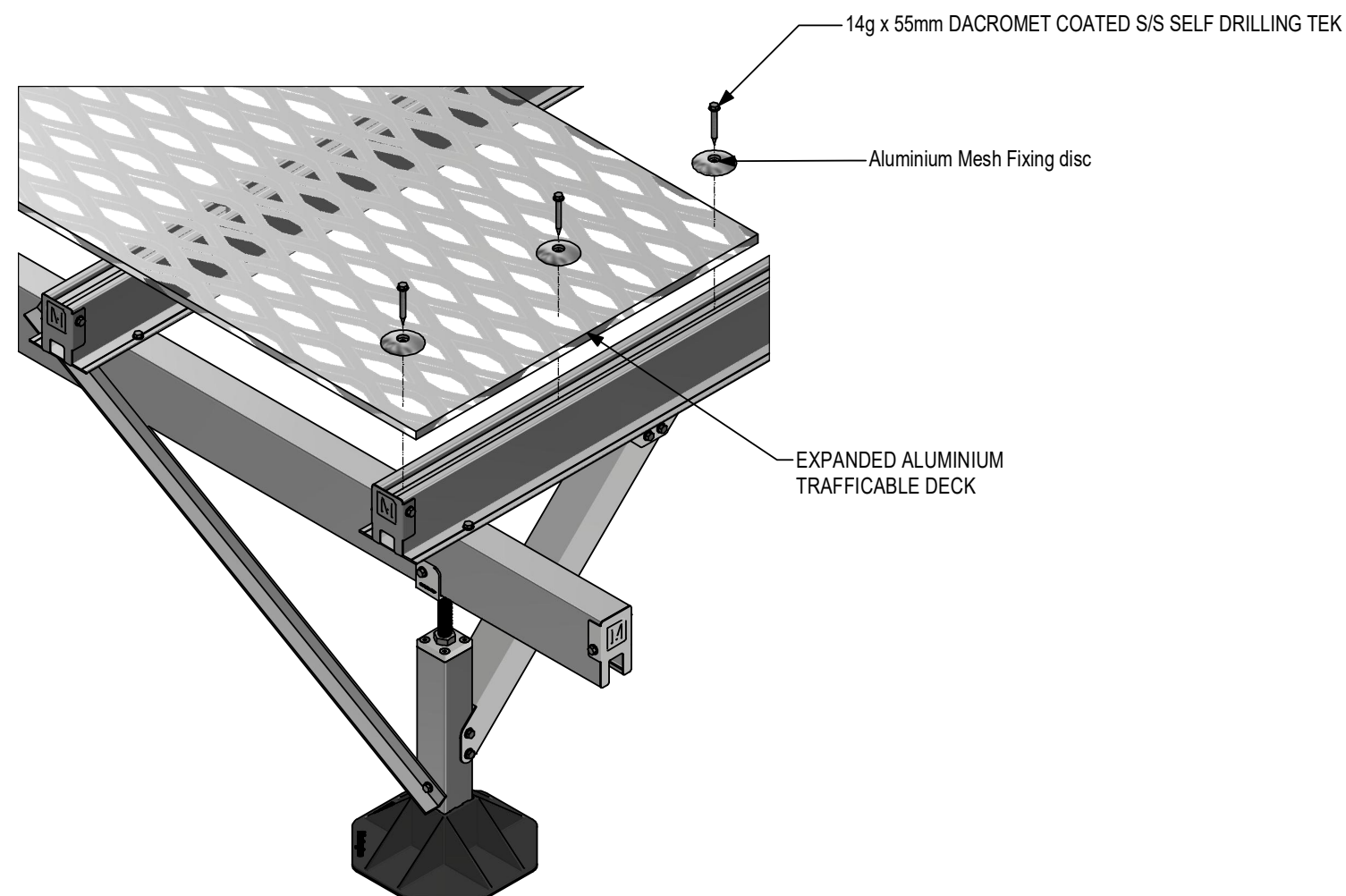Aluminium Mesh Fixing disc
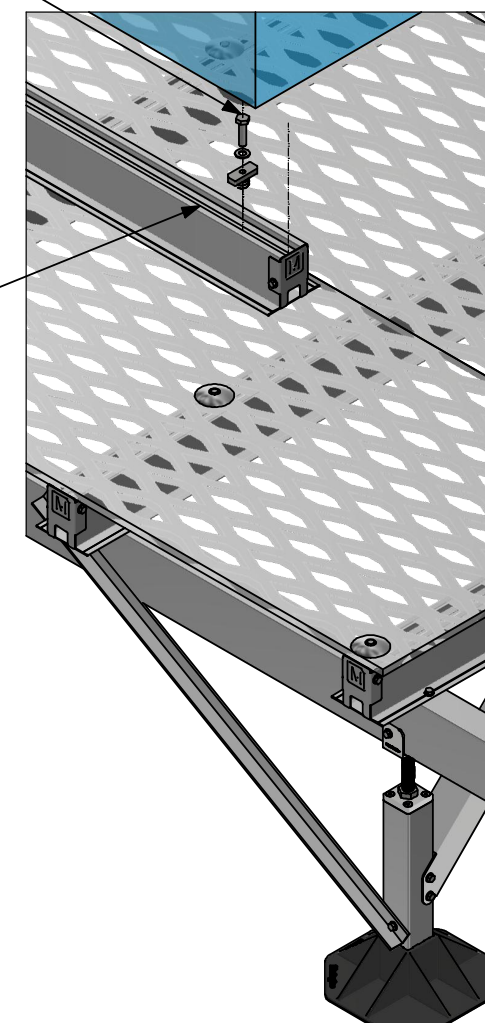
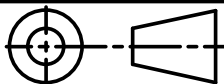EXPANDED ALUMINIUM TRAFFICABLE DECK
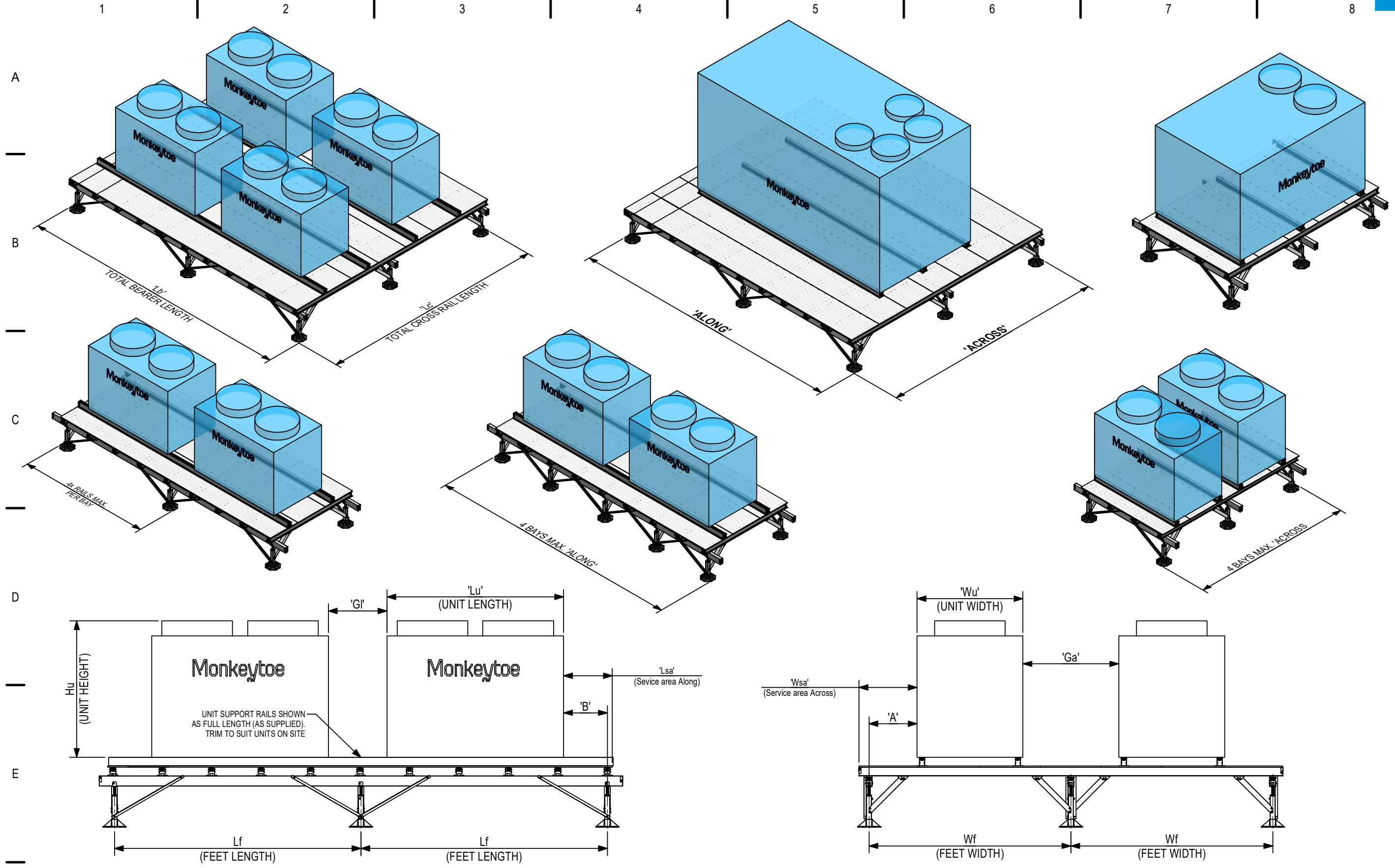
UNIT FIXINGS M10, M12 & M16 OPTIONS AVAILABLE

PM36 85x53mm Winged Extrusion

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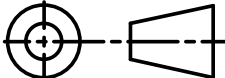
SmartGrip', Unit Mounting Deck ASSY		
MONKEYTOE MOUNTING SOLUTIONS		
DWG No: 2004-CSM200-1		18/09/2023
	SHEET 3 OF 4	A3
DO NOT SCALE	SCALE: 1 : 8	REV:4
	DIMENSIONS IN MILLIMETERS	

'Lb'
TOTAL BEARER LENGTH

'Lc'
TOTAL CROSS RAIL LENGTH

'ALONG'

'ACROSS'

4x RAILS MAX
PER BAY

4 BAYS MAX 'ALONG'

4 BAYS MAX 'ACROSS'

'Gl'

'Lu'
(UNIT LENGTH)

'Lsa'
(Sevice area Along)

'B'

Hu
(UNIT HEIGHT)

UNIT SUPPORT RAILS SHOWN
AS FULL LENGTH (AS SUPPLIED).
TRIM TO SUIT UNITS ON SITE

Lf
(FEET LENGTH)

Lf
(FEET LENGTH)

'Wu'
(UNIT WIDTH)

'Ga'

'Wsa'
(Service area Across)

'A'

Wf
(FEET WIDTH)

Wf
(FEET WIDTH)

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SmartGrip', Unit Mounting Deck ASSY		
MONKEYTOE MOUNTING SOLUTIONS		
DWG No: 2004-CSM200-1		18/09/2023
	SHEET 4 OF 4	A3
	SCALE: 1 : 27	REV:4
DO NOT SCALE	DIMENSIONS IN MILLIMETERS	