

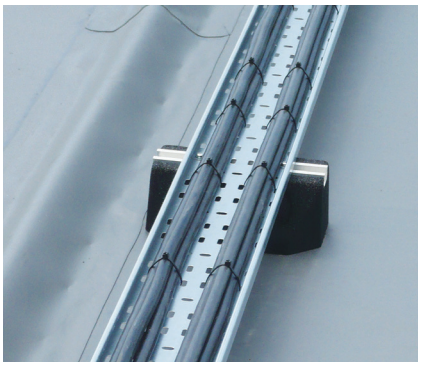
Rooftop Support Systems

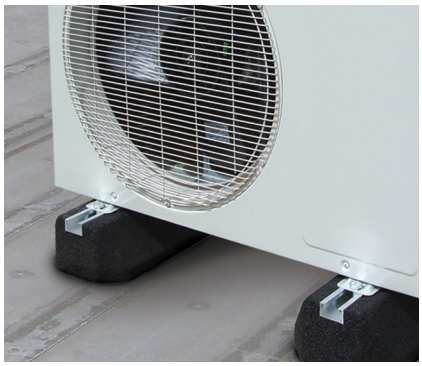
Product Guide

part of **The Malco Group**

The Global leader in Non-Penetrative Rooftop support systems.

We offer an extensive selection of support systems designed to meet the specific needs of all leading AC Manufactures. Big Foot Frames provide a robust, quick to install, non-penetrative solution for all the Equipment and Supports on your Rooftop Project. Each Frame is pre-engineered to withstand at least 80 miles per hour winds without slipping or tipping. Big Foot Frames also spread the weight load equally across the Frame, without affecting the integrity of the Building Envelope. Another attribute is the ability to ensure that the Frame remains level which is crucial to the Equipment's longevity.







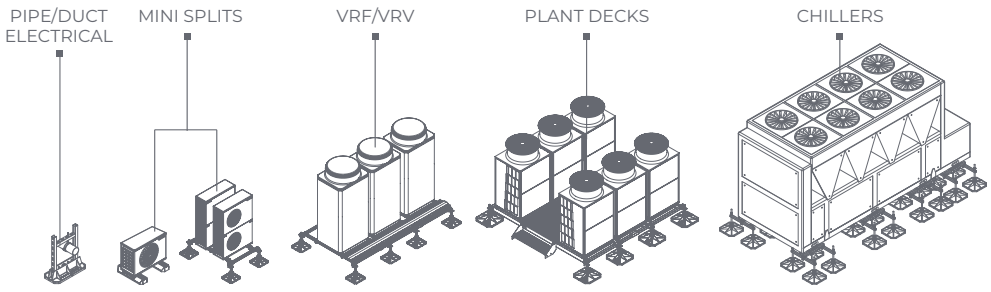






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Information correct at time of going to press.

BIG FOOT® SYSTEMS

SERVICE SUPPORT



Service Support

Service containment such as duct, pipework and cable ladder/tray can be supported using a number of products from Big Foot Systems Ancillaries range. Designed to protect lightweight modern roofs, these offer a range of benefits including cost and time-effective installation and improved system aesthetics without penetrating the roof top.

		 H Tech Set 13" & 16"	 Fix-it Foot
ELECTRICAL	Cable Basket		✔
	Small Cable Tray	✔	✔
	Larger Cable Tray	✔	✔
	Cable Ladder	✔	
	*Bus bars	✔	
DUCT	Small Duct	✔	
	*Larger Duct	✔	
	*Attenuators (Silencers)	✔	
PIPE	Small F&R Pipe		✔
	Medium F&R Pipe	✔	
	Large F&R Pipe		
	*Multiple Pipe Runs		

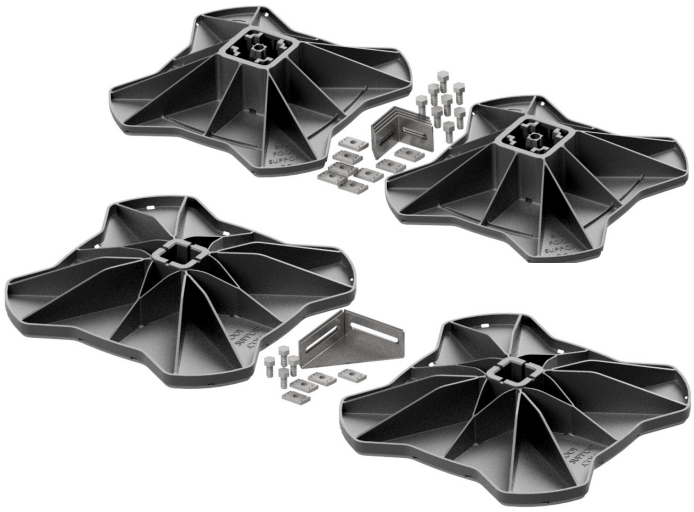
*Weight dependent
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NEW
ENHANCED GRIP

IMPROVED WIND RESISTANCE

H Tech Set 13" & 16"



Fabricated on site – and accepting a range of strut & box section sizes – the H Tech set is the most flexible choice on the market.

KEY FEATURES

- 50% Higher Coefficient of Friction; better surface to surface grip than rubber feet
- Maximum stability; EPDM mat conforms better to uneven surfaces than rubber
- Optimum weight distribution over whole foot print
- Fits 41 × 41mm strut, 40 × 38mm, 21 × 41mm (H Tech 330mm only)
- Strut fittings & bolts included
- 100% recycled glass filled nylon foot construction
- Optional angled mat accessory for use on uneven ground

KIT INCLUDES

Foot with adhered mat	× 2
Bracket & fixings	× 1

APPLICATION



* Please note: Strut is not included in kit, and is shown as an example

Description	Part no.	Foot Size Width		Weight		Max. Load	
		inches	mm	Lbs	kg	Lbs	Kg
330mm Set (paired Foot)	B6088/B	13	330	6	2.63	661	300
Angled Base 330mm 2.5° (single Foot)	B6098	13	330	1	0.6	331	150
400mm Set (paired Foot)	B6089	15 4/5	400	10	4.57	1102	500
Angled Base 400mm 2.5° (single Foot)	BN7105	15 4/5	400	3	1.2	551	250



Information correct at time of going to press.



Fix-it Foot



The heavy-duty Fix-it-Foot covers multiple applications on the Roof.

KEY FEATURES

- Quick and simple to install
- The Die-Cast Aluminum channel securely embedded in the top is capable of easily accepting all UniStrut fittings.
- Supports piping and small equipment
- Available in a wide range of height and length options
- The durable recycled rubber also reduces vibration and adds stability

Description	Part no.	Length		Width		Height		Weight		Max. Load	
		Inches	mm	Inches	mm	Inches	mm	Lbs	Kg	Lbs	Kg
10"	**B6735**	9 13/16	250	7 1/16	180	3 ¾	95	5.3	2.4	181	82
16"	**B6736**	15 ¾	400	7 1/16	180	3 ¾	95	7.8	3.5	282	128
24"	**B6737**	23 5/8	600	7 1/16	180	3 ¾	95	12.7	5.8	494	224
40"	**B9096**	39 3/8	1000	7 1/16	180	3 ¾	95	21.9	9.9	650	295
10" Low	**B9043**	9 13/16	250	5 1/8	130	1 15/16	50	2.9	1.3	181	82
16" Low	**B9045**	15 ¾	400	5 1/8	130	1 15/16	50	4.5	2.1	282	128
20" Low	**B9368**	19 11/16	500	5 1/8	130	1 15/16	50	5.4	2.5	295	134

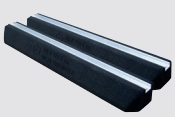
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A/C Support Systems

Our range provides a quick to install, non-penetrative solution to suit all leading AC manufacturers units.

With an ever increasing number of Air Conditioning manufacturers, we can tailor a custom system utilising standard components.

	 Mini Split Kits	 Mini Frame & Extension kit	 Multi Frame
1-2 No. A/C Split units	✓	✓	✓
3-4 No. A/C Split units		✓	✓
5-6 No. A/C Split units		✓	✓
7+ No. A/C Split units		✓	✓
1 No. VRF/VRV unit*			✓
2 No. VRF/VRV units*			✓
3 No. VRF/VRV units*			✓
4+ No. VRF/VRV units*			✓

*Based on typical carcase size of 39" x 30" (990mm x 760mm)

Information correct at time of going to press.



A/C SUPPORT

Mini Split Kit

The Mini Split Kit is a simple and neat solution. With channel recessed into the rubber foot, it allows for easy fixing and also offers built-in anti-vibration. Die-Cast Aluminum channel securely anchored in top for easy fixing of unit.



KEY FEATURES

- Available in 2 sizes.
- Boxed kit with fixings.
- Quick and simple install.
- Aluminium channel securely anchored in top for easy fixing of unit.
- Durable recycled rubber reduces vibration and adds stability.

KIT INCLUDES

Rubber Foot	x 2
Fixing kit	x 2



APPLICATION



Description	Part no.	Length		Width		Height		Weight		Max. Load	
		Inches	mm	Inches	mm	Inches	mm	Lbs	Kg	Lbs	Kg
24"	**B9284**	23 5/8	600	7 1/16	180	3 ¾	95	12.1	11	494	448
40"	**B9530**	39 3/8	1000	7 1/16	180	3 ¾	95	20.9	19	650	590

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Mini Frame & Extension Kit

Mini Frame: for supporting small condensing units and heat pumps.

Ideal for ground mounting or wind protected environments.

KEY FEATURES

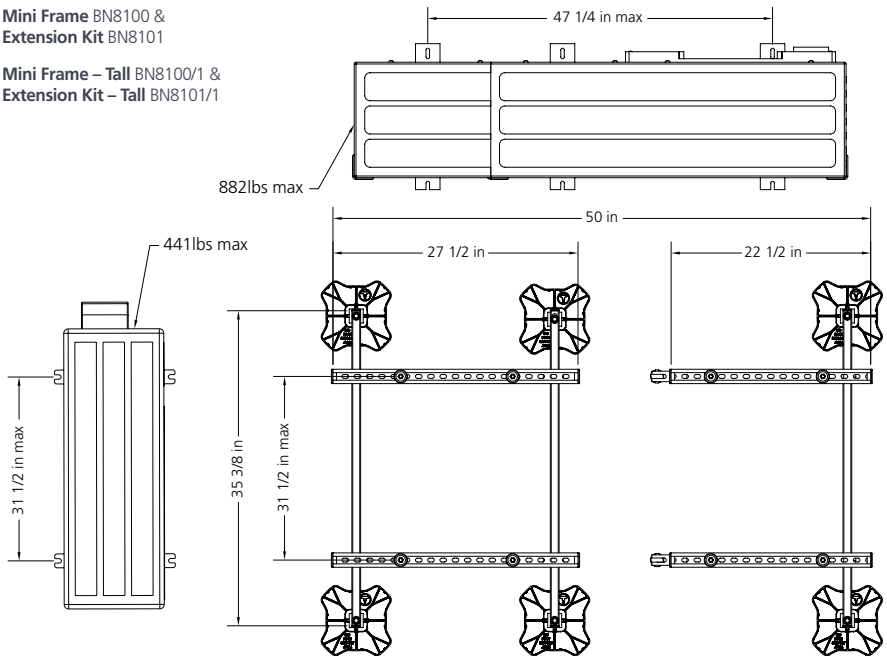
- Suitable for most mini splits & heat pumps
- Easy adjustment to suit any requirement
- Complete boxed kit of required components
- Install multiple units with extension kit

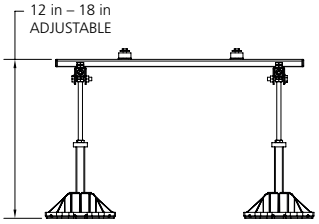
KIT INCLUDES

Components	Frame	Ext.
8" foot & mat	× 4	× 2
35" End bar	× 2	× 1
27.5" Cross bar	× 2	-
22.5" Cross bar	-	× 2
Unit fixing kit	× 1	× 1

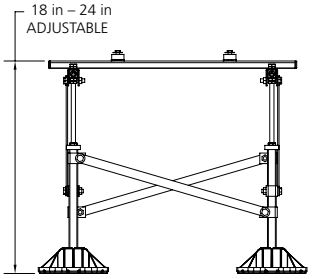
Mini Frame BN8100 &
Extension Kit BN8101

Mini Frame – Tall BN8100/1 &
Extension Kit – Tall BN8101/1





Mini Frame BN8100 &
Extension Kit BN8101



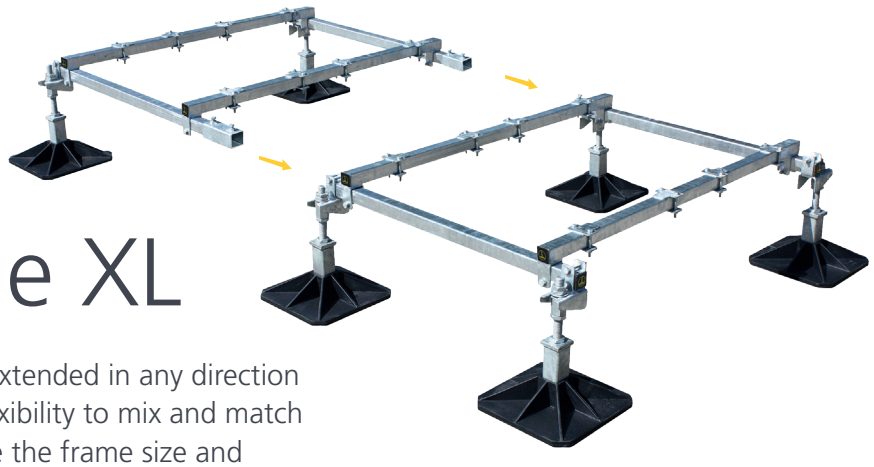
Mini Frame – Tall BN8100/1 &
Extension Kit – Tall BN8101/1

Description	Product Code	Box Length (in)	Box Width (in)	Box Height (in)	Box Weight (lbs)	Max. Load (lbs)
Mini Frame	**BN8100**	38 1/5	8 2/3	4 1/3	29	441
Mini Extension Kit	**BN8101**	38 1/5	8 2/3	4 1/3	18	441
Mini Frame – Tall	**BN8100/1**	38 1/5	8 2/3	4 1/3	35	441
Mini Extension Kit – Tall	**BN8101/1**	38 1/5	8 2/3	4 1/3	22	441



NEW & IMPROVED

THE FRAME THAT EXTENDS IN ANY DIRECTION



Multi Frame & Multi Frame XL

Multi Frame and Multi Frame XL can be extended in any direction using the Extension kits, providing the flexibility to mix and match Multi Frame and Multi Frame XL to create the frame size and shape configuration to suit the install.

KEY FEATURES

- 12" Feet.
- 39" x 47", 59" x 47" multiples.
- Mix and match any Multi Frame and Multi Frame XL of the same height.
- Extend from any side.
- Suits a wide variety of units.
- Adjustable leg assemblies.
- Easy to assemble - cross bars simply position onto the end bars.
- Supplied boxed with clamp kits.

KIT INCLUDES

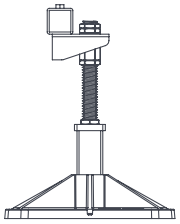
Multi Frame	Frame	Ext.
12" foot & adhered mat	× 4	× 2
39" End bar	× 2	× 2
47" Cross bar	× 2	× 2
Unit clamp kit (4 pack)	× 2	× 2
Connector	-	× 2
Multi Frame XL	**Frame**	**Ext.**
12" foot & adhered mat	× 4	× 2
59" End bar	× 2	× 2
47" Cross bar	× 3	× 3
Unit clamp kit (4 pack)	× 2	× 2
Connector	-	× 2

APPLICATION

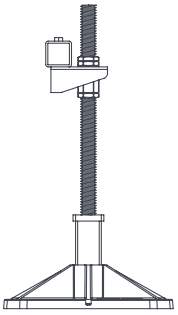


Description	Part no.	Max. Load (lbs)	Single Unit			
			Width (Inches)	Length (Inches)	Height (Inches)	Weight (lbs)
Multi Frame	**B9720**	1102	48	12	4 ¾	79
Extension Kit	**B9721**	1102	48	12	4 ¾	57
Multi Frame Long Stud	**B9720/1**	1102	48	12	4 ¾	88
Extension Kit Long Stud	**B9721/1**	1102	48	12	4 ¾	62
Multi Frame XL	**B9731**	1102	60	12	4 ¾	95
Extension XL Kit	**B9732**	1102	60	12	4 ¾	73
Multi Frame XL Long Stud	**B9731/1**	1102	60	12	4 ¾	99
Extension XL Kit Long Stud	**B9732/1**	1102	60	12	4 ¾	77

Information correct at time of going to press.



Standard Leg Assembly
Height adjustment:
13" - 18"



Long Stud Leg Assembly
Height adjustment:
13" - 26"



Multi Frame Wide & Extension Kit



Multi Frame Wide is 1.2m long and 1.5m wide, providing superb frame stability and prevents overturning in higher wind applications.

EASY TO ASSEMBLE
Cross bars simply place onto the end bars rather than sliding onto.

KEY FEATURES

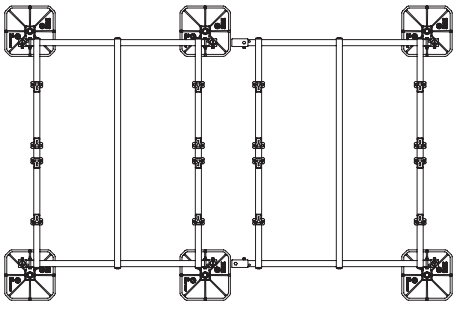
- Suitable for larger units up to 1.5m width/depth
- Easy adjustment to suit any requirement
- Complete boxed kit of required components
- Install units back to back

KIT INCLUDES

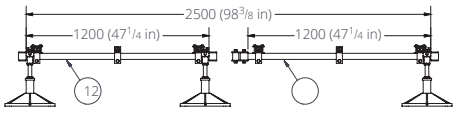
Multi Frame	Frame	Ext.
305mm foot & mat	× 4×	2
1.2m End bar	× 2×	2
1.5m Cross bar	× 3×	3
Unit clamp kit (4 pack	× 2×	2
Connector	-×	4

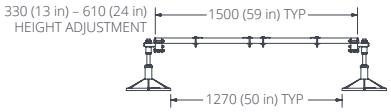
APPLICATION











PartD	escription	Product Code	Box LengthB		ox WidthB		ox Height		Box Weight		Max. Load	
			(mm)	(in)(	mm)	(in)(	mm)	(in)(	Kg)	(lbs)	(Kg)	(lbs)
1	Multi Frame Wide	**BN6900**	1600	62 7/8	350	13 7/8	150	65	2	115	500	1102
2	Wide Extension Kit	**BN6901**	1600	62 7/8	350	13 7/8	150	64	19	3	500	1102

Information correct at time of going to press.



Technical Project Team

Big Foot Systems offer a total solution to rooftop building services load management. From initial phone call through to project completion, the experienced in-house technical team are here to ensure you get the most cost effective results, in the fastest time, ensuring the individual requirements of your project are met.

The team work closely with every client to supply the correct non-penetrative support solution for every scenario - large, heavy, irregular shaped or unevenly loaded plant. With the aid of technical surveyors, a highly skilled in-house technical team and use of engineering tools such as FEA/CFD, Big Foot Systems can design and manufacture complete one-off solutions.



Information correct at time of going to press.



CASE STUDY

Big Foot Systems has an established heritage in solving simple and complex rooftop management design challenges that will protect a roof's integrity, whilst offering an alternative to traditional timber, steel and concrete constructions. Launched in 2001, the company's expertise and experience has strong foundations built on meeting the needs of clients, developers, architects, consultants, engineers and contractors - delivering many thousands of projects to the very highest standard.

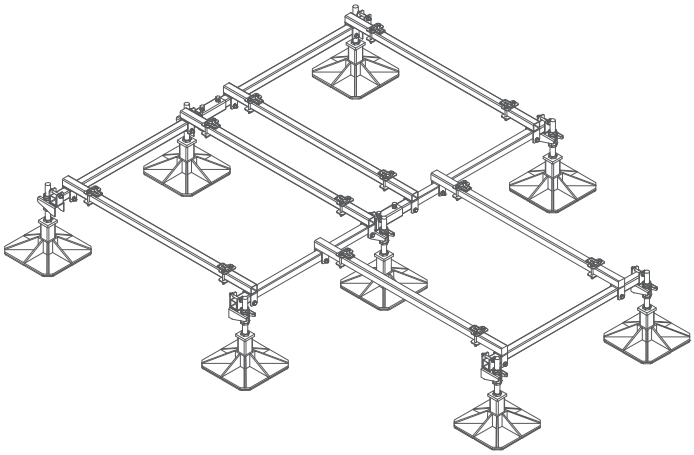
Today Big Foot Systems are the industry leaders in rooftop load management, designing and manufacturing the widest product range of support solutions. The brands non-penetrative products and systems are quick and easy to install ensuring project cost and time clarity, therefore reducing the need for complex, time-consuming and expensive detailing.

Big Foot engineers understand that no two roofs are the same. Limited space, access, existing obstructions or lightweight roofs may require a Big Foot Systems Custom Framework. The experienced in-house technical services team will plan the most effective support solution using the latest design software.

Big Foot Systems embrace any challenge, and are yet to encounter a scenario for which a custom or packaged solution couldn't be delivered. That is a bold claim to make so they decided it would be more helpful to let actions speak louder than words, putting together this illustrative book to showcase just a small range of the system solutions they have developed for their multi-client base over the years.

PROJECT
CAMELBACK TOWER
Phoenix, AZ, USA

DISTRIBUTOR	*Goodman*
ROOF FINISH	*TPO Single-ply*
SUPPORTED	*VRFs*
BFS PRODUCT	*Multi Frame*







The top floor penthouse condo occupies the entire 11th floor of Camelback Tower in the Scottsdale area of Phoenix. Big Foot's Multi Frames were specified because of their ease of installation and the need for a packaged product that could be delivered to a short timeline. This was essential as the VRF equipment was flown to the roof the day after the frames were delivered to the site.

The Multi Frame is a repeatable support structure for mounting all sizes and weights of standardised AC equipment on flat roofs and was ideal on the delicate thermoplastic polyolefin (TPO) single-ply roof.

Information correct at time of going to press.


R410A
NON-FLAMMABLE GAS
2
R410A
NON-FLAMMABLE GAS
2

Project Solutions

Custom Frames are kitted from standard components, offering a solution where our Standard Frames may not be suitable in meeting a specific need.

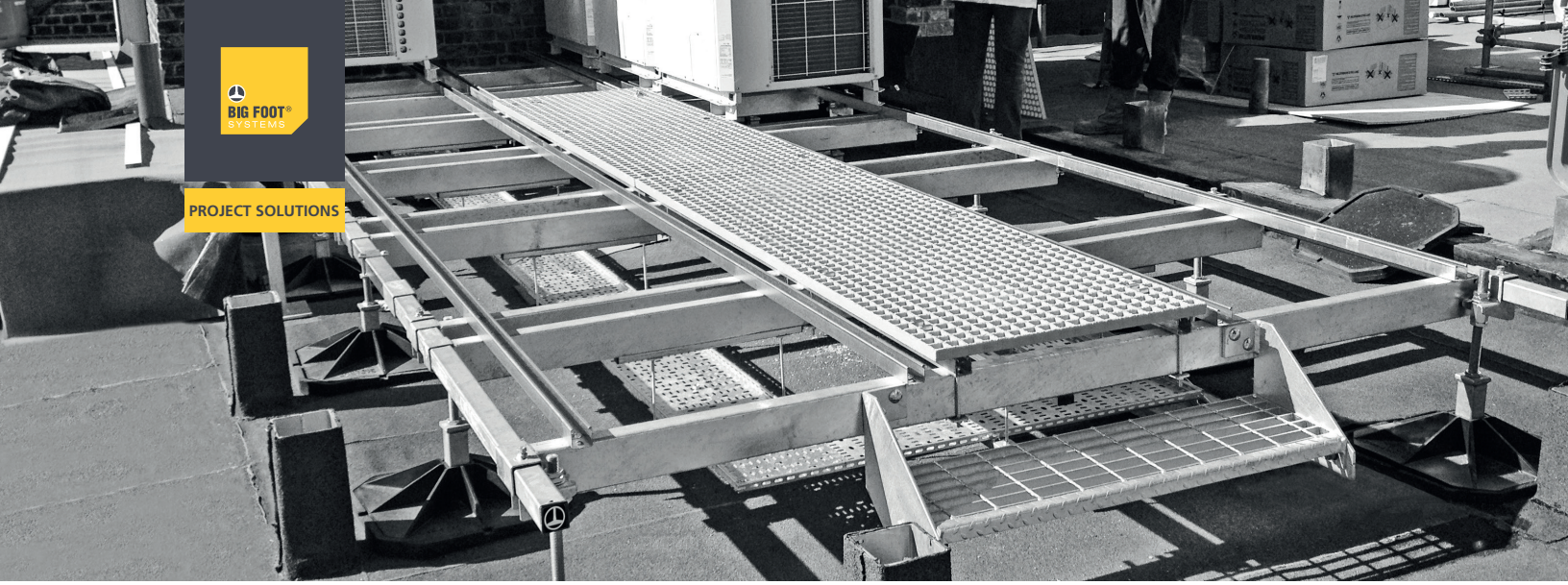
Custom Frames are fabricated specifically for a certain project. Note: 3 month lead time.

Offering secure and easy access to rooftop services the Safe Access range provides standard site-assembled Walkway, and Plant Deck.

In addition, Big Foot Systems highly skilled engineering team will survey and design Custom Safe Access systems as well as Screen Support tailored specifically to meet individual design parameters.



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Walkway

Ideal for establishing a safe path around installations on a flat roof. The gritted GRP top is non-slip in any weather and supported by our tried and tested Fix-it Foot.

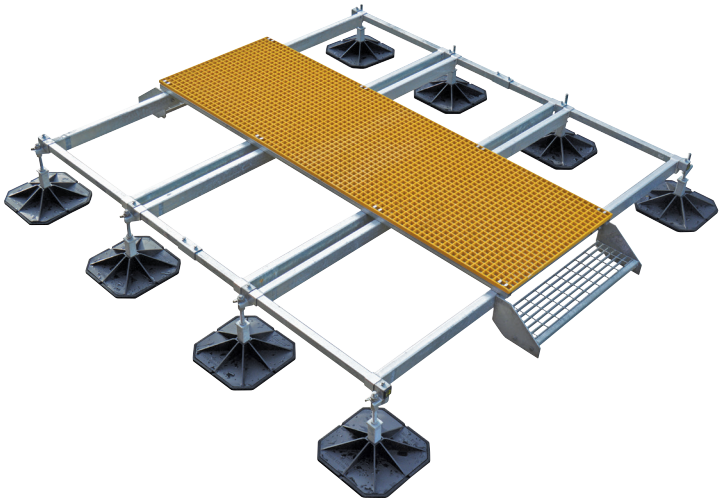


KEY FEATURES

- Easy fixing system for fast site installation.
- Flexible solution with 3 length options available from stock.
- Supported on Fix-it Foot for tried and tested stability and reduced vibration.
- Safe non-slip GRP walkway.
- Flat packed for ease of handling.

Plant Deck

Designed to facilitate multiple VRF/VRV installations with access requirements, available in 3 sizes, the wide base also offers stability in high wind locations.



KEY FEATURES

- A non-penetrative and cost effective solution.
- Safe and easy access to installations on roof.
- Excellent load distribution for heavy plant.
- Custom solution on site in 3-5 working days from design approval.
- Custom solution on site in 3 months from receipt of purchase order.
- Project specific calculations and load mangaement.
- Versatile modular design to give greater flexibility on-site.
- Hot dipped galvanized carbon steel for all weather application.
- Suitable for all types of roof finish.
- Foot protection fleeces to safeguard against polymer migration on all membrane roof finish.
- Roof membrane integrity upheld due to no prenetrations.
- 10 year certified product guarantee.

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ENERGYGUIDE
DAIKIN
VRV
ON
OFF







NOTES

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NOTES

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14080 Hwy 55 NW, Annandale, MN 55302

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