



A comprehensive flat roof framework system



 Engineered and
manufactured
in Great Britain

Roof Runner offers a comprehensive flat roof framework system for supporting and containing building services, equipment and access solutions on roofs and outdoor field locations.

The Roof runner flat roof framework system is fully adjustable, can be modified to suit changing requirements and supports all services independent of the roof structure. All roofrunner products are designed and manufactured in house by our specialist team of highly experienced engineers. Our unique supply chain is sourced from British companies to ensure all materials are of world class standard and quality.

ROOF RUNNER SERVICE

Roof Runner Systems are designed according to the needs of each project in order to create the unique solution required, taking into account the loading requirements of roof and equipment as well as the stability and clearance requirements.

EXTENSIVE PRODUCT RANGE

The entire range of FRF support systems caters for all loads and purposes and is available off-the-shelf and to specification. Roof Runner is lightweight, available in any height or width and is fully adjustable to allow for sloping or un-even roof surfaces.



Budget Feet



BUDGET DUTY

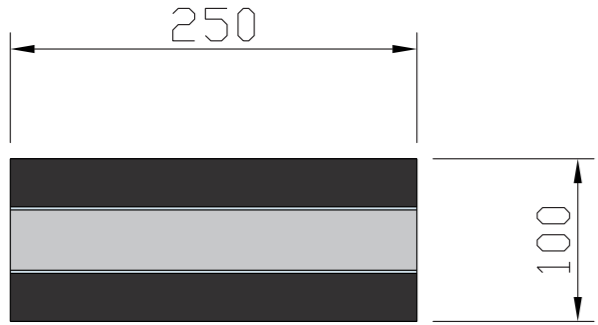
Roof Runner BD ideal for low cost installations when price is paramount. Manufactured from our identical ethafoam structure that you will find on all our other support feet range, the 65kg/m³ base provides a strong and super lightweight foundation whilst maintaining UV resistance, expansion, contraction and vibration requirements. Superb for supporting cable tray, pipework or any light loading apparatus the Roofrunner BD provides a fast and safe support unit in all environments.



110kgs

BUDGET DUTY FEET: DRAWINGS

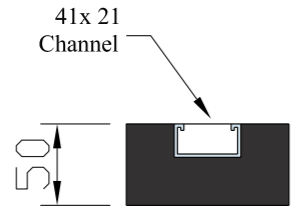
250 LONG x 50 FOOT



Plan

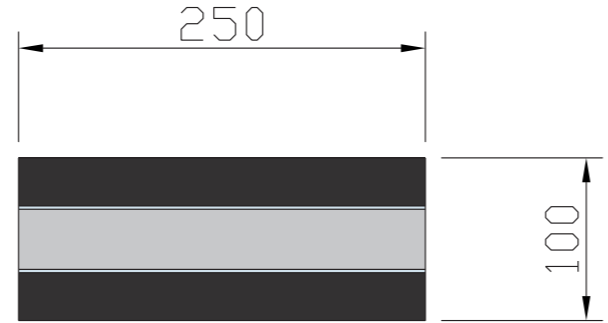


Elevation



Side

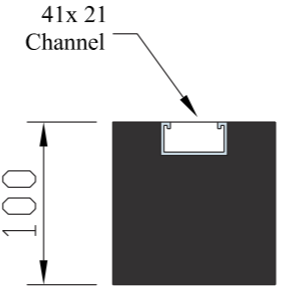
250 LONG x 100 FOOT



Plan

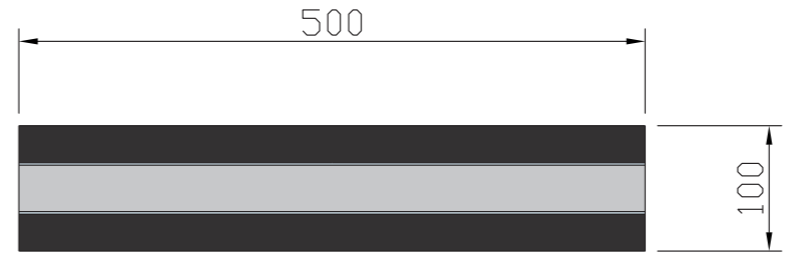


Elevation



Side

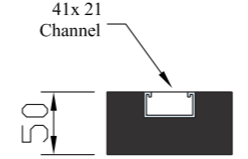
500 LONG x 50 FOOT



Plan

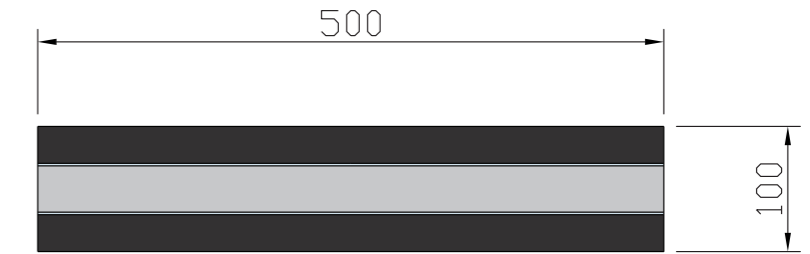


Elevation



Side

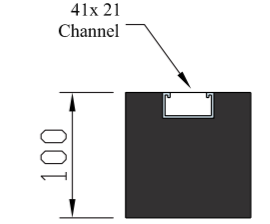
500 LONG x 100 FOOT



Plan



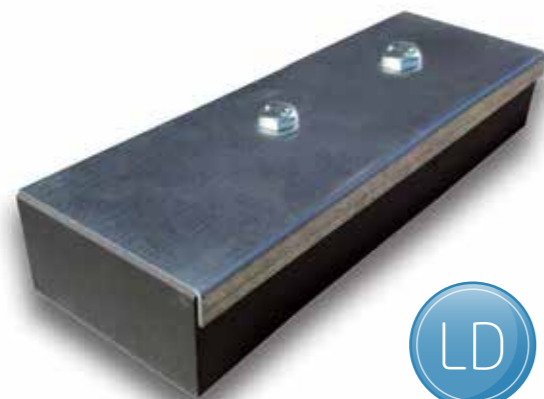
Elevation



Side

LIGHT DUTY: TWIN HOLE

Roof Runner LD (300mmL x 100mmW x 50mmH)
The Twin Hole LD Foot is ideal for directly securing electrical cable tray on to the 2 x 6mm riveted centres. Saving dramatically on installation time this is a superb versatile support application.



110kgs

LIGHT DUTY

Roof Runner LD (300mmL x 100mmW x 50mmH)
Our flexible and lightweight support foot is expert at supporting cable tray, smaller pipe systems, ducting and condenser units. Though it may be the smallest in the range it still can manage individual loadings of 110kgs per foot making it a great versatile support with large capabilities.



110kgs

Roof Runner use a unique ethafoam base to provide maximum protection to the roof membrane without the need for any mats or penetrative fixings. Our technical design team will create a solution based on the four different size supports according to the loading requirements and size of service/unit being installed.

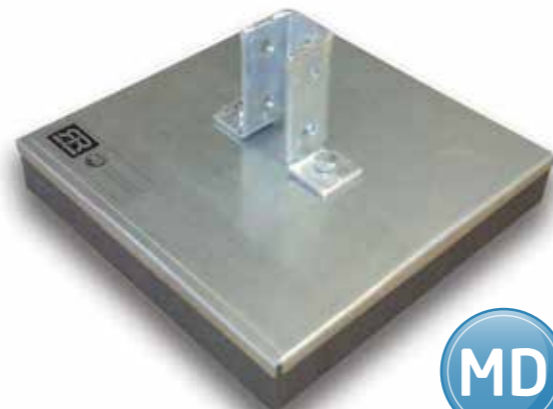


The Advantages

Dramatically reduces installation time by eliminating any drilling work requirements. Pre-assembled 10mm rivet holes plus 6mm reducers provide ease of assembly for all cable tray layouts. Also available is the pre-assembled channel framework for raised cable tray requirements or pipe support systems.

MEDIUM DUTY

Roof Runner MD (300mmL x 300mmW x 50mmH)
The mid range support foot is ideal for use with larger ducting runs, Chiller units, AHUs and access walkways. Capable of loadings up to 330kgs per foot it provides excellent support for all larger units that require an increase in frame span and load balance.



330kgs

HEAVY DUTY

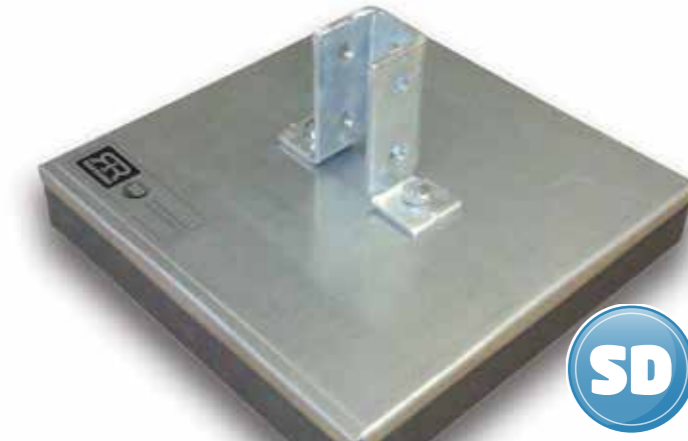
Roof Runner HD (400mmL x 300mmW x 50mmH)
Our largest support foot out of the three is ideally required when supporting extra large loads and areas such as plant rooms and larger AHUs. The extra span of the FRF400 foot can accommodate a hefty 440kgs individually and provides the greatest stability for even the largest of units or services.



440kgs

SUPER DUTY

Roof Runner SD (500mmL x 500mmW x 50mmH)
Our largest support foot is ideally required when supporting extra large loads and areas such as plant rooms and larger AHUs. The extra span of the SD foot can accommodate a hefty 900kgs individually and provides the greatest stability for even the largest of units or services.

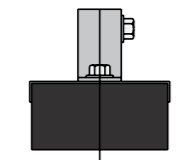
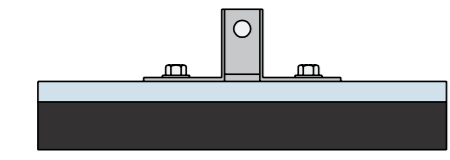
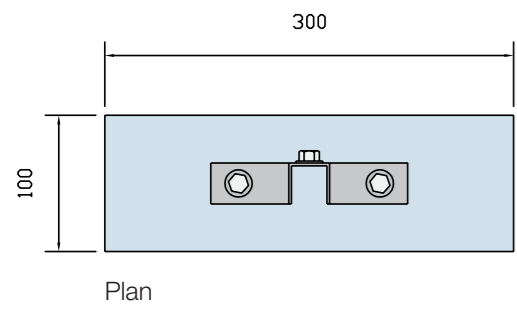
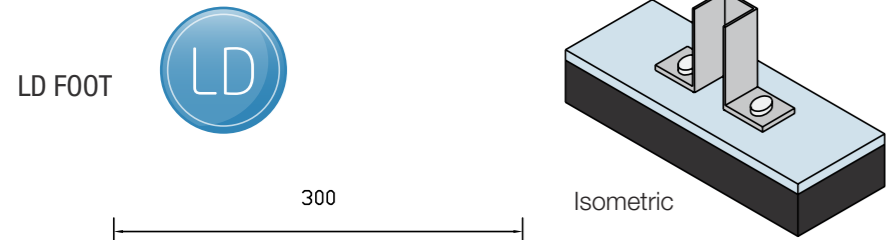
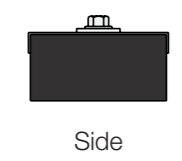
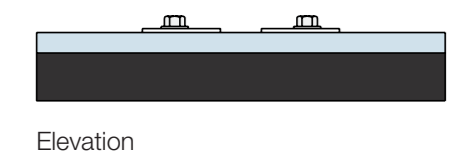
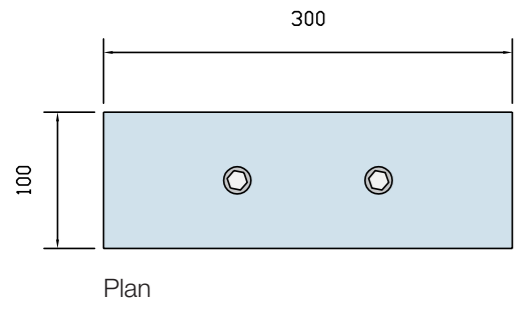
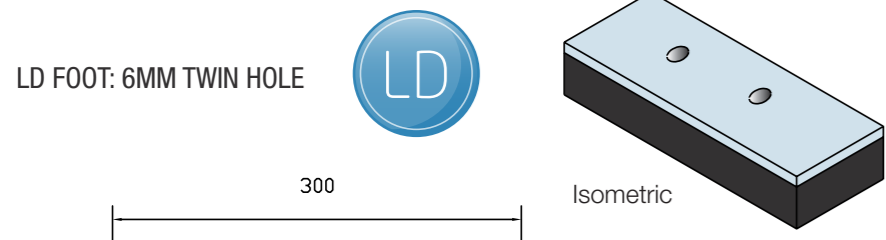


900kgs

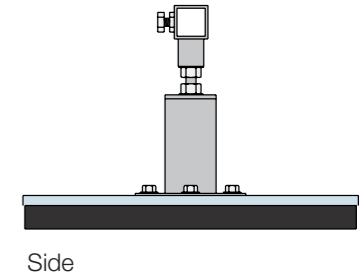
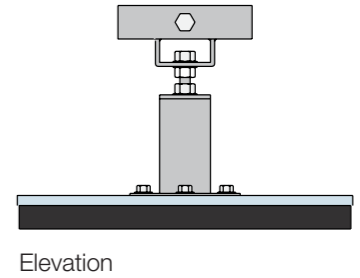
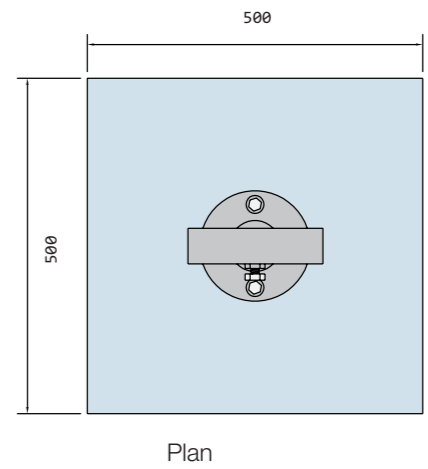
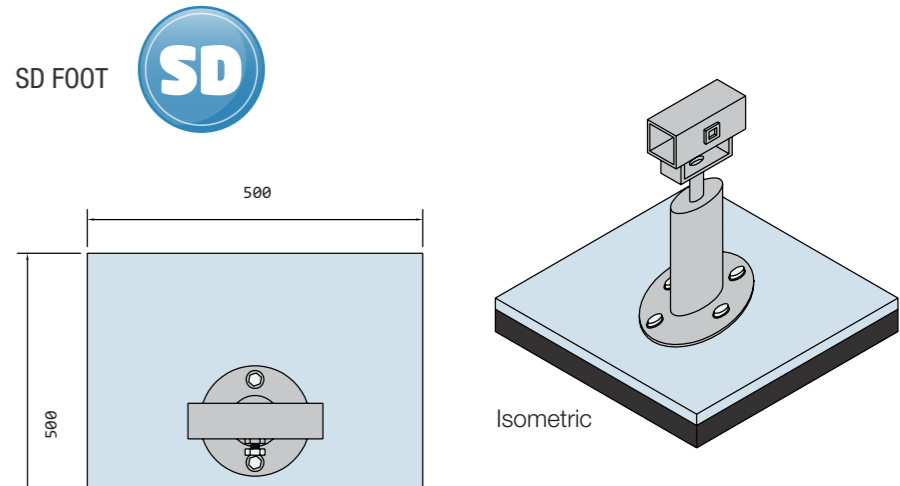
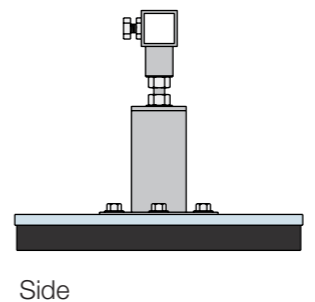
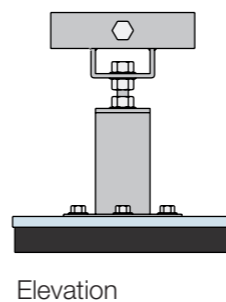
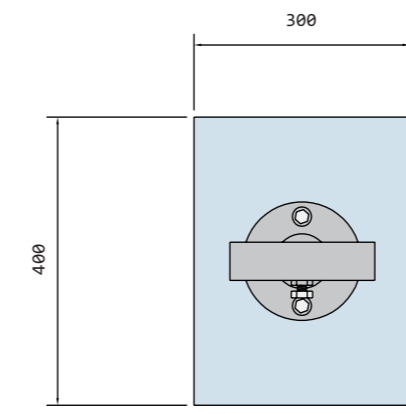
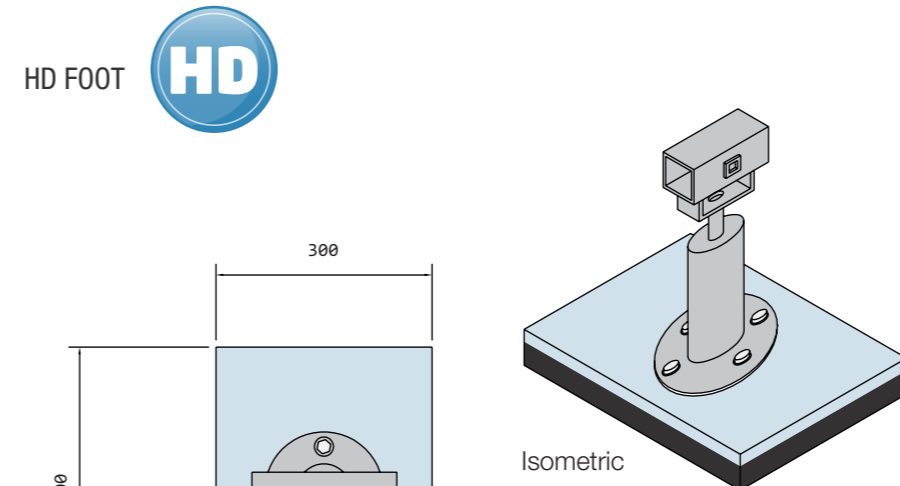
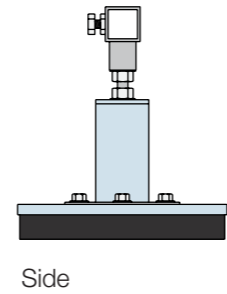
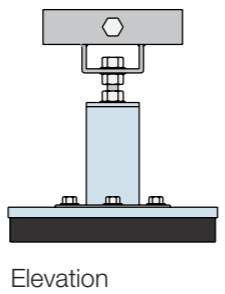
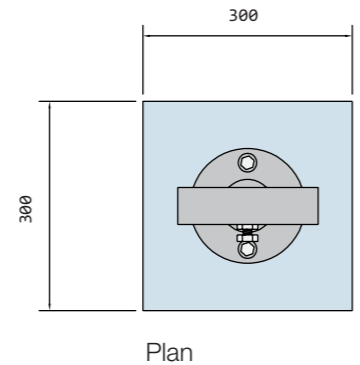
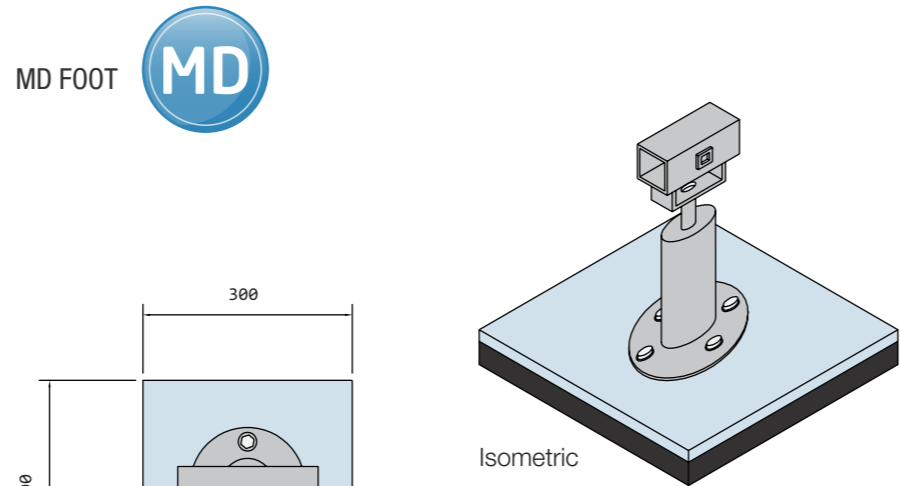


“Pre-assembled 10mm rivet holes plus 6mm reducers provide ease of assembly for all cable tray layouts”





FEET: DRAWINGS



The range of Roof Runner support systems cater for all loads and purposes and is available off-the-shelf and to specification.

Flat Roof Framework

Roof Runner offer a comprehensive flat roof framework system for supporting and containing building services, equipment and access solutions on roofs and under floor installations. The framework system is fully adjustable, can be modified to suit changing requirements and supports all services independent of the roof structure.

Flat Roof Service

The designs are according to the needs of each project in order to create the unique solution required, taking into account the loading requirements of roof and equipment as well as the stability and clearance requirements.

Extensive Product Range

The entire range of support systems caters for all loads and purposes and is available off-the-shelf and to specification. The range is lightweight, available in any height or width and is fully adjustable to allow for sloping or un-even roof surfaces.

Our main size frames are as follows:

Roof Runner can design and manufacturer any size requirements needed to support all unit sizes and loadings. Please contact our team with your details and requirements for the project in hand.

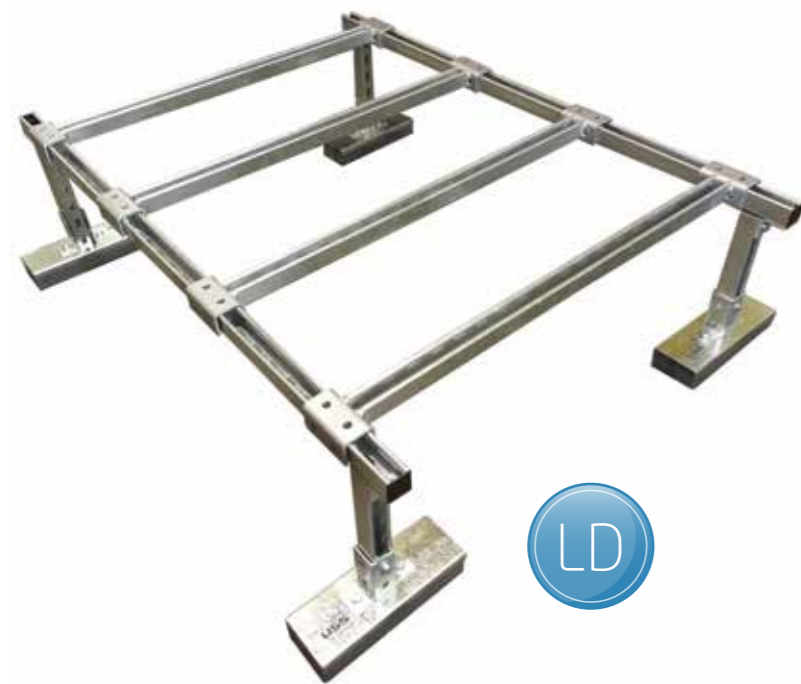
Our frames come in either light duty comprising of single channel 41x41x2.5mm and supported by the Light Duty Roof Runner foot. Or the medium / heavy duty versions comprising of steel 50mm square box section and supported by our MD and HD support feet.

Flat Roof Framework is manufactured and supplied by Roof Runner. To find out more about flat roof design, flat roof framing and Roof Runner Systems please contact us or download our brochure.

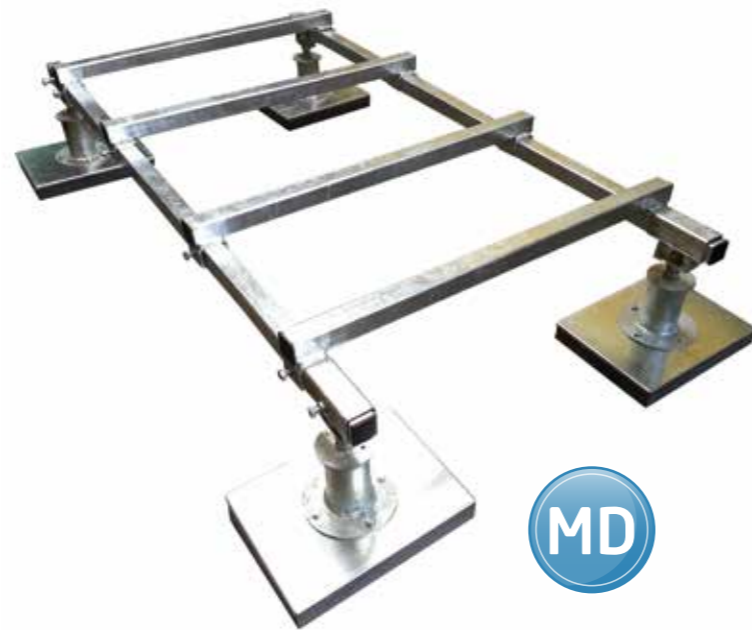
LOW LEVEL SUPPORT FRAME

This frame is designed to locate directly onto the LD, MD, HD and SD support feet. It helps when there is an issue with roof plant equipment heights that may be visible from ground level resulting in potential planning restrictions.

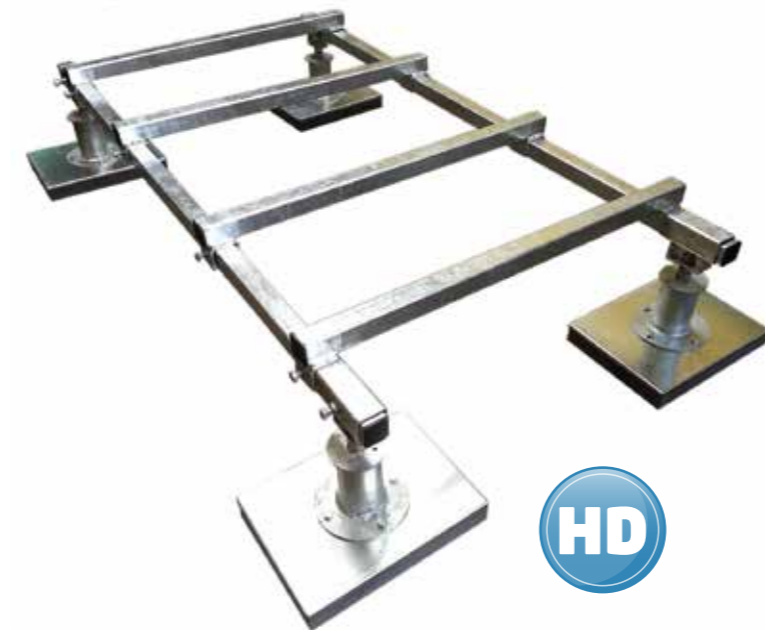
Equipment can be kept low as possible to the roof level (100mm) avoiding complications with height and maintaining simple and efficient installation. Again these frames can be manufactured in house to any size requirements that you may require.



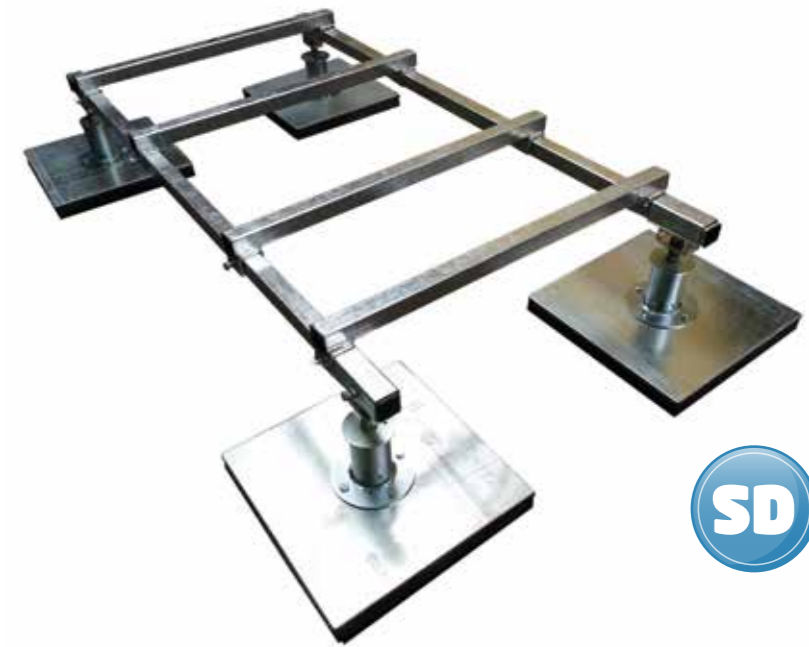
LD



MD



HD

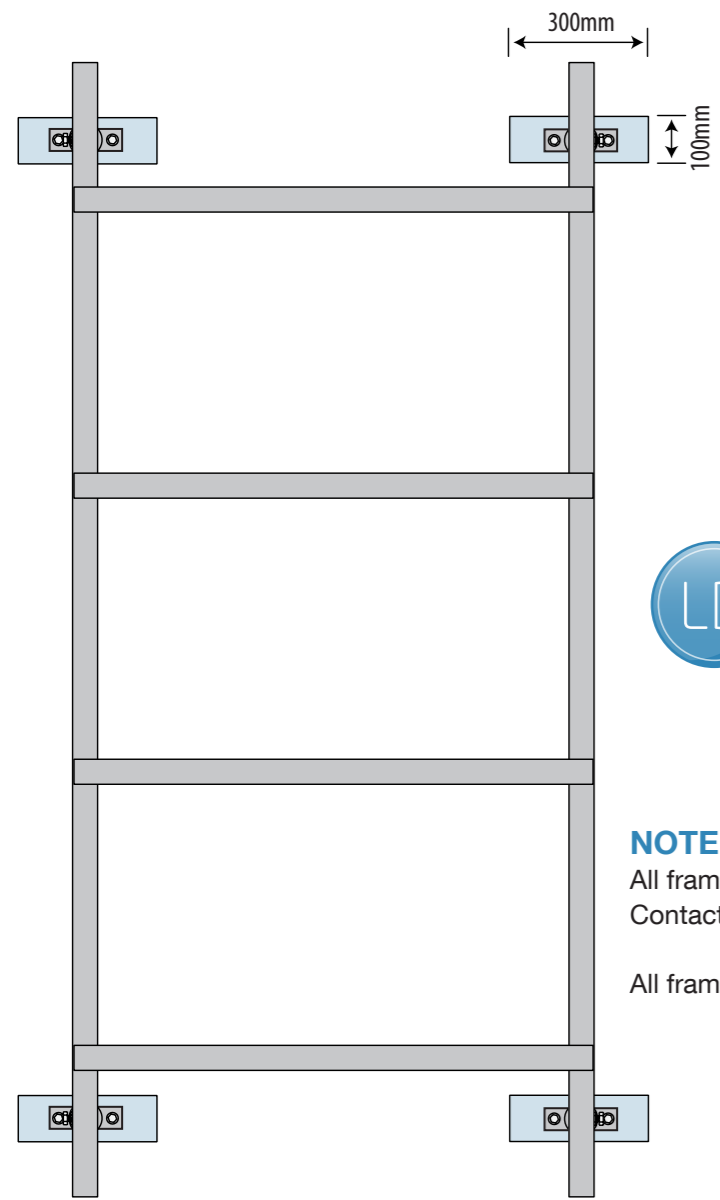


SD



“The entire range of Roof Runner support systems cater for all loads and purposes and is available off-the-shelf and to specification”

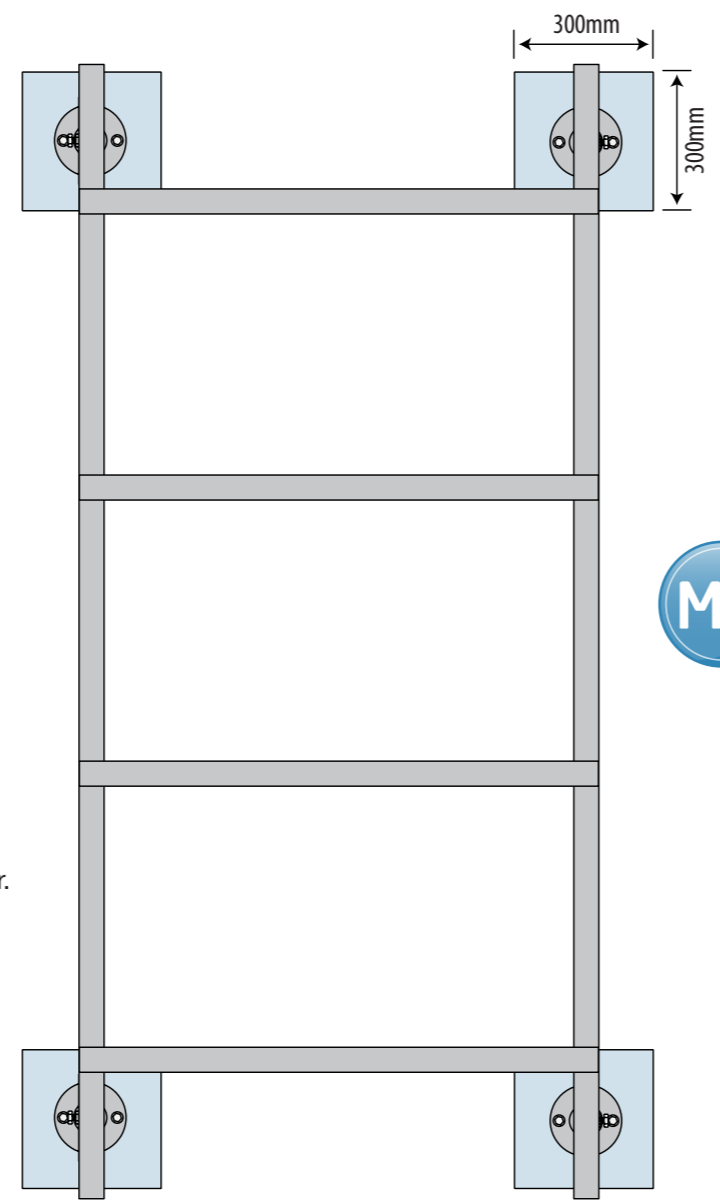
FRAMEWORK: DRAWINGS



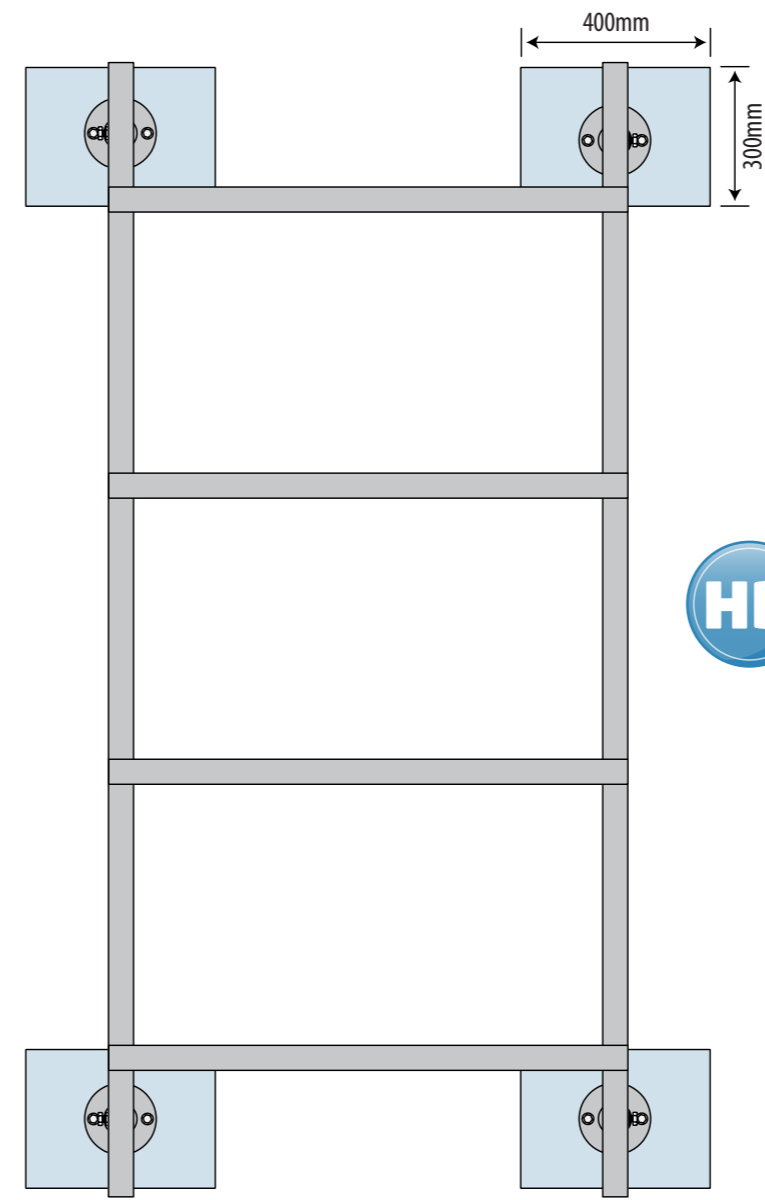
LD

NOTE
All framework is measured and made to order.
Contact us now for further information.

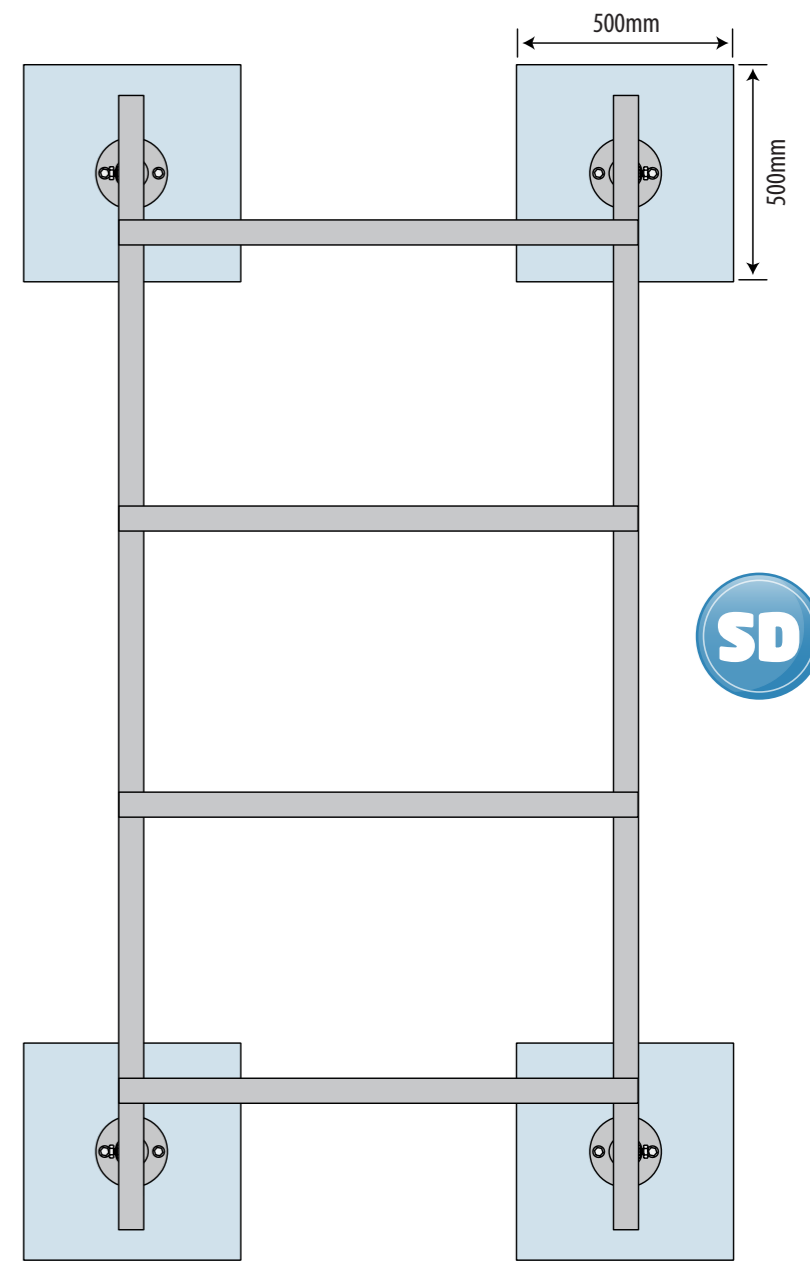
All framework the is completely adjustable.



MD



HD



SD



H Frames

Our H frame kits provide very quick and easy installation supports for a variety of services such as cable tray, pipe supports and ductwork.

We offer three installation sizes beginning with Roof Runner 150 H Frame kit, Roof Runner 300 kit, Roof Runner 400 H Frame kit.

All kits include support feet, fixtures and fittings as standard. However we also provide pre-assembled kits to include unistrut channel cut to any bespoke size requirements you may have for increased ease of installation.

Please contact us to discuss your project requirements, as every job is tailored to suit your needs.

LD H FRAME KIT

Our light duty support frame is ideal for cable tray, small pipe work and ducting.

The kit comes complete with:

- LD roofrunner support feet
- Channel Adaptors
- SCF 12 90 degree brackets
- M 10 x 25 bolts
- M 10 nuts
- M 10 washers
- End caps



MD H FRAME KIT

Our medium duty frame provides extra support for larger ductwork or twin support of dual ducts, multiple cable tray or large pipe supports.

The kit comes complete with:

- MD roofrunner support feet
- Channel Adaptors
- SCF 12 90 degree brackets
- M 10 x 25 bolts
- M 10 nuts
- M 10 washers
- End caps



HD H FRAME KIT

Our heavy duty frame provides ultimate support for the largest of duct work or multiple support requirements when combining a variety of building services.

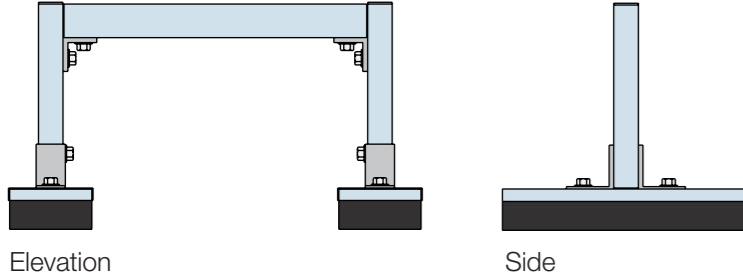
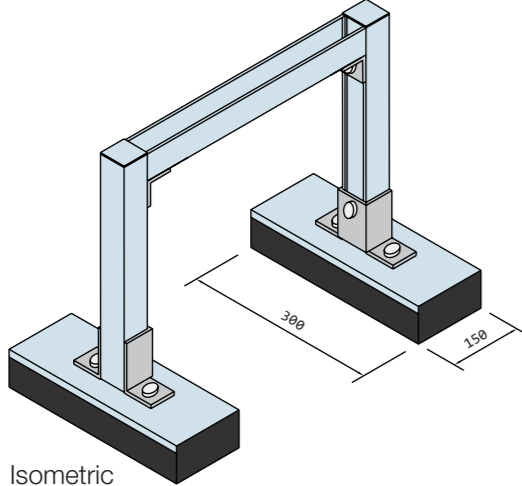
The kit comes complete with:

- HD roofrunner support feet
- Channel Adaptor
- SCF 12 90 degree brackets
- M 10 x 25 bolts
- M 10 nuts
- M 10 washers
- End caps

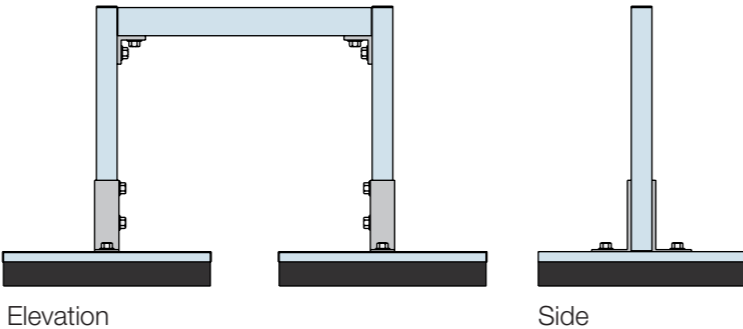
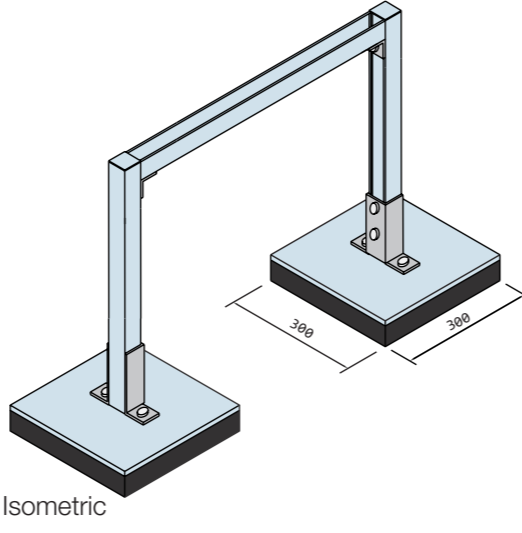


H-FRAMES: DRAWINGS

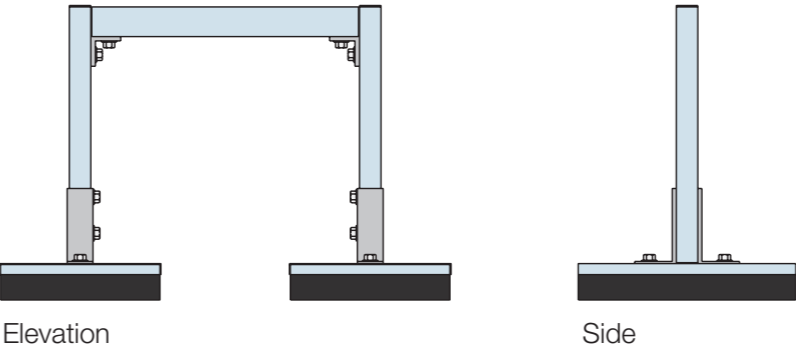
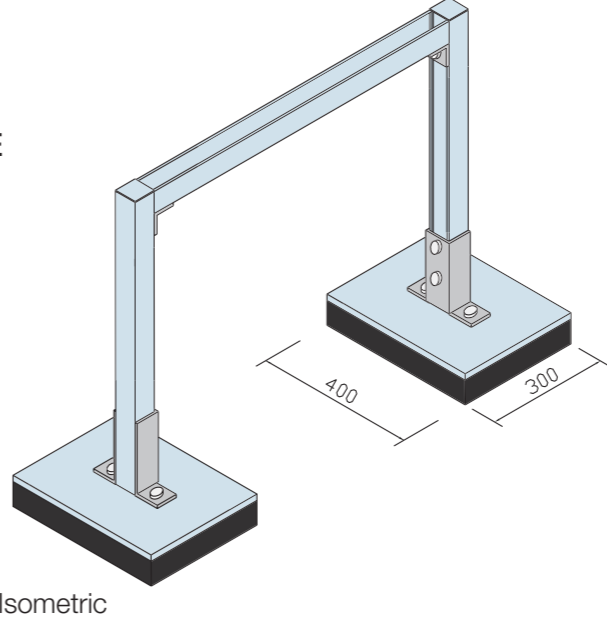
LD FRAME



MD FRAME



HD FRAME





Roofrunner manufacture a diverse and complete range of products for access solutions to provide safe passage in and around service equipment on flat roofs.

Bespoke systems are designed in house to meet any size or specialized requirement your project may need. We can offer standard or heavy duty steel platforms for personnel access or large unit supports. Low or high level step up and over systems all complete with handrail guarding.

Step over system: For larger and higher clearance requirements our stepover systems are readily available manufactured to any size.

Supported on our height adjustable FRF 300 feet these stepover systems are ideal to provide access over larger duct or pipework even in or around pitched or uneven roof areas.



Access Walkways

Roof Runner Access walkways can be created to suit the specific requirements of the project, taking into account the safety requirements of access equipment.

All Roof Runner access walkways are carried on adjustable feet to ensure the system is level and secure with handrails to British Standards.



Access Steps

Designed and manufactured in house to any size and height requirements. Available pre galvanized or hot dipped and supported on our LD or MD feet with height adjustment.

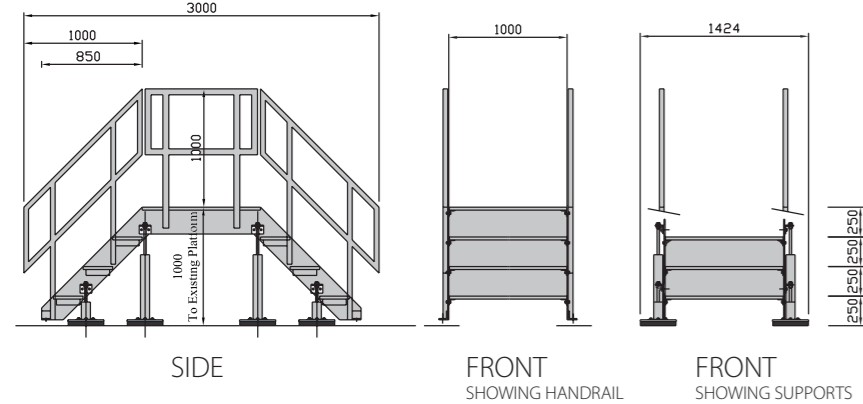
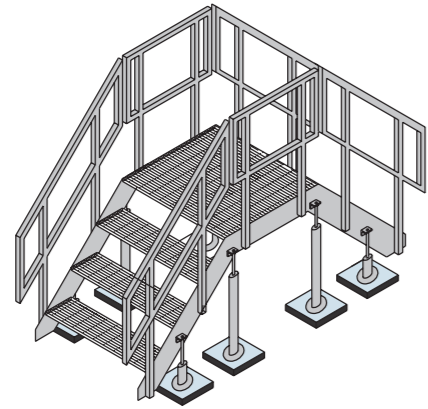


Access Step-up and Overs

All walkways and step systems are designed and manufactured to your specific needs and requirements. Providing safe access over and around service equipment on flat roofs. All systems are manufactured and designed to BS 5395 and are HDG steel finish as standard.

STEP UP SYSTEMS + WALKWAYS

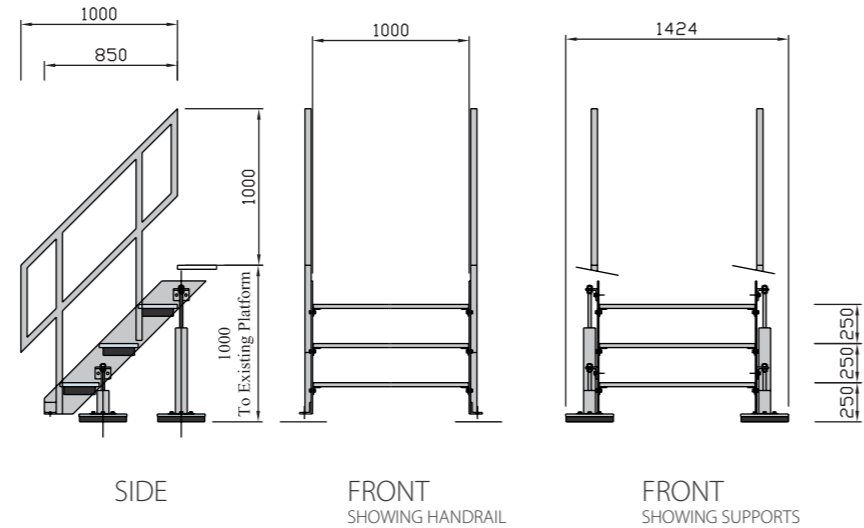
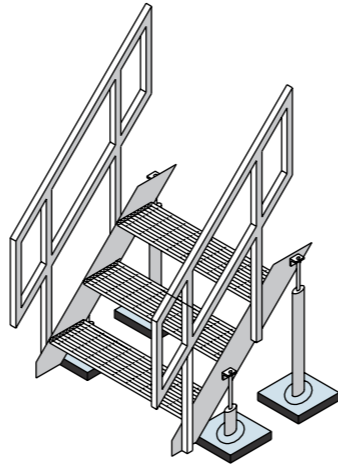
STEP OVER SYSTEM



CONSTRUCTION

- 1 100 X 25 GRID
- 2 40 X 40 RHS & 6THK PLATE
- 3 STD MD FEET

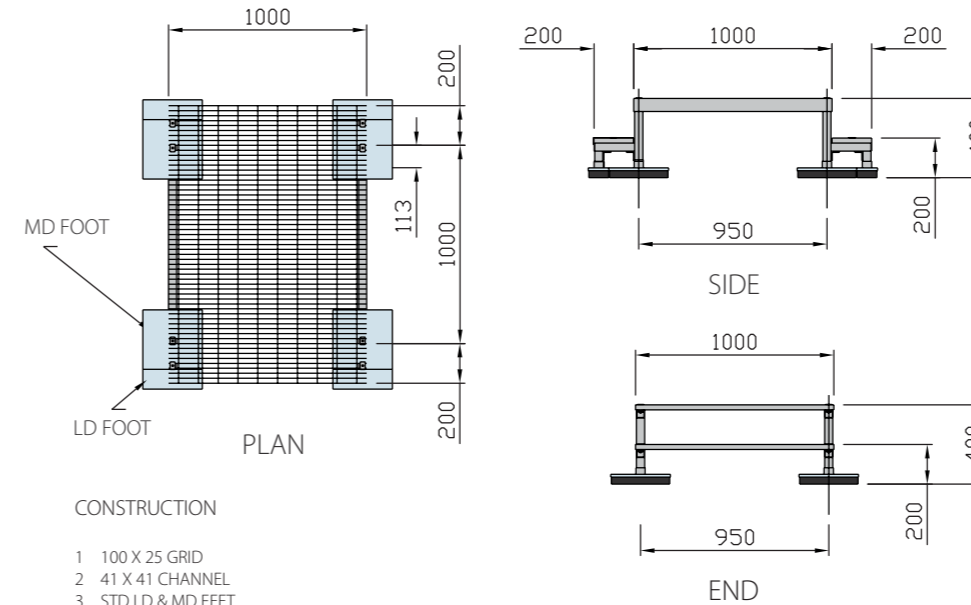
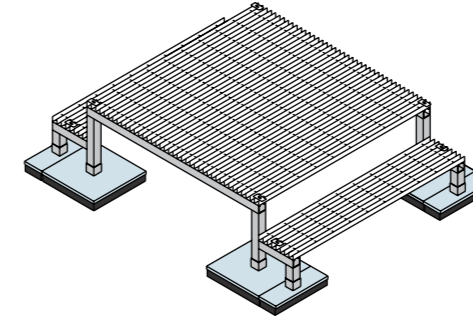
MD STEP UP



CONSTRUCTION

- 1 100 X 25 GRID
- 2 40 X 40 RHS & 6THK PLATE
- 3 STD MD FEET

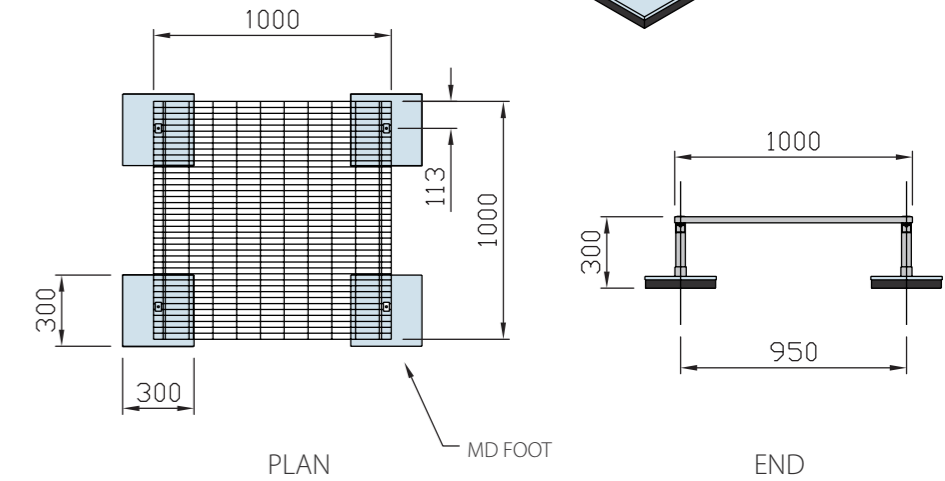
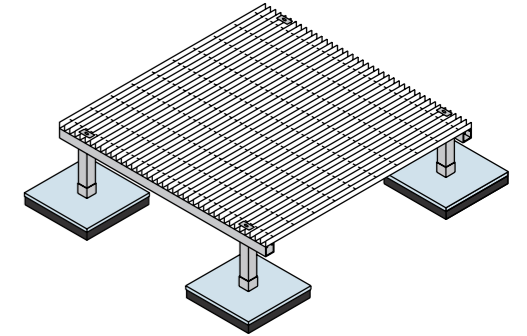
MD STEP OVER WITH LD STEP UP



CONSTRUCTION

- 1 100 X 25 GRID
- 2 41 X 41 CHANNEL
- 3 STD LD & MD FEET

MD STEP UP



CONSTRUCTION

- 1 100 X 25 GRID
- 2 41 X 41 CHANNEL
- 3 STD MD FEET

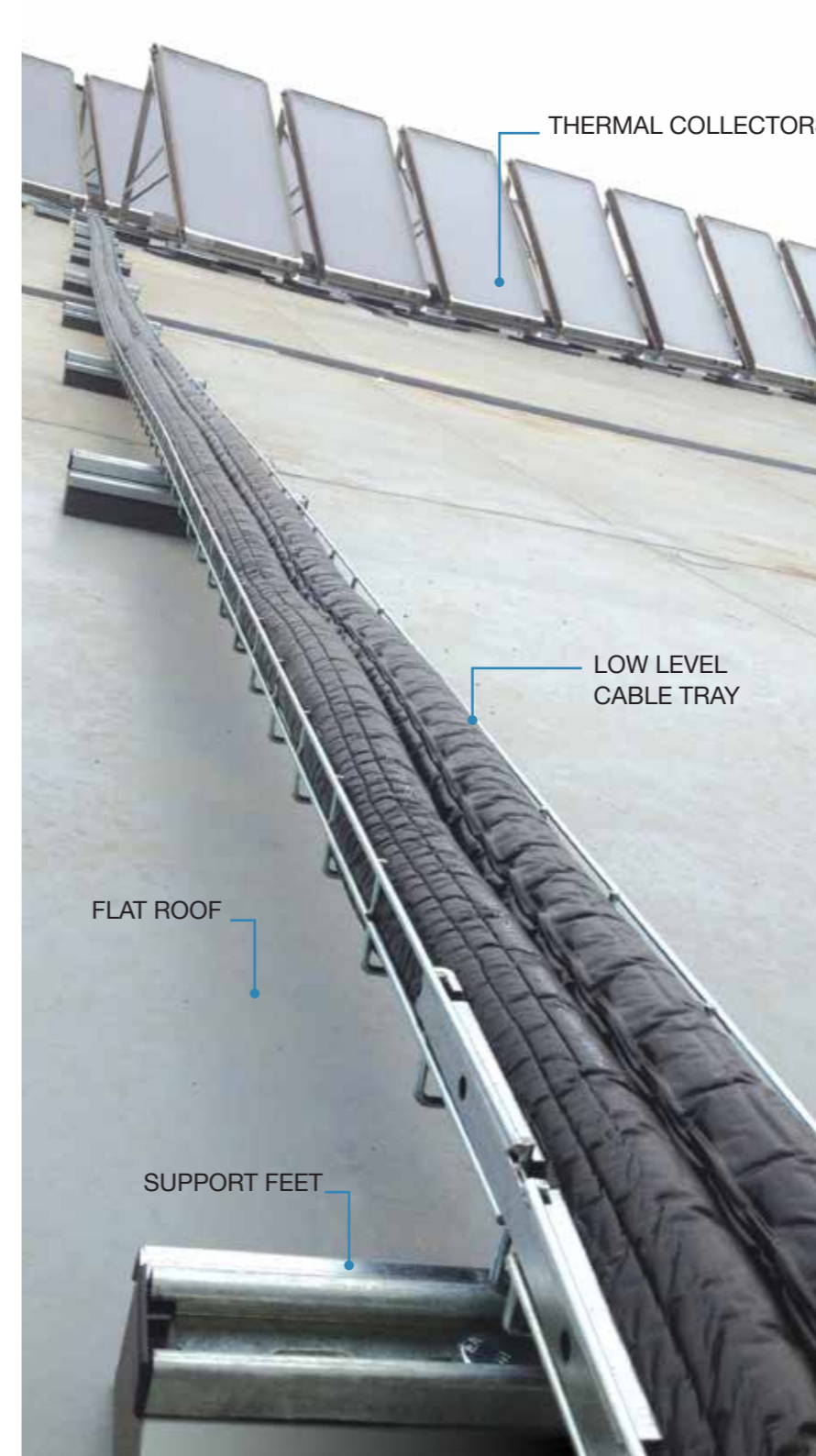
Thermal Collectors



Both systems are pre assembled and provide heavy duty support due to the extra ballast loading requirements for these panels.

When supporting the larger Thermal collector panels roofrunner can offer two types of system. The first design is a complete framework providing the A frame and base section for ballast loading. The second is the base section only giving you flexibility if you already have the manufacturers A frame provided. Both systems are pre assembled and provide heavy duty support due to the extra ballast loading requirements for these panels.

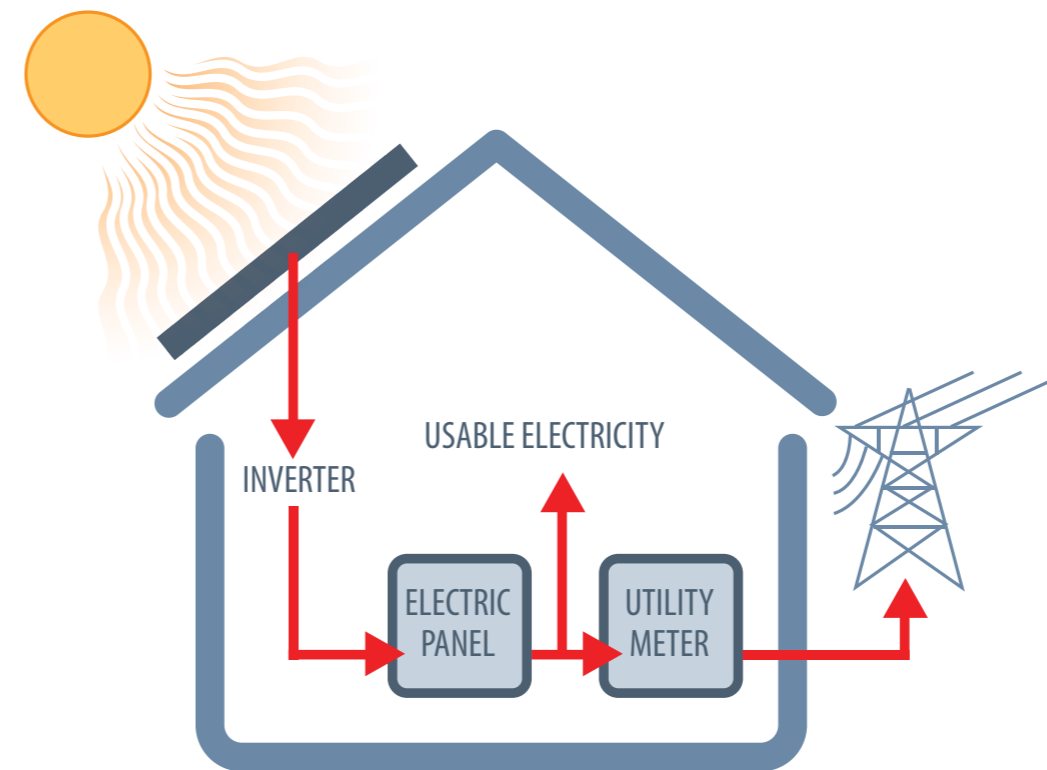
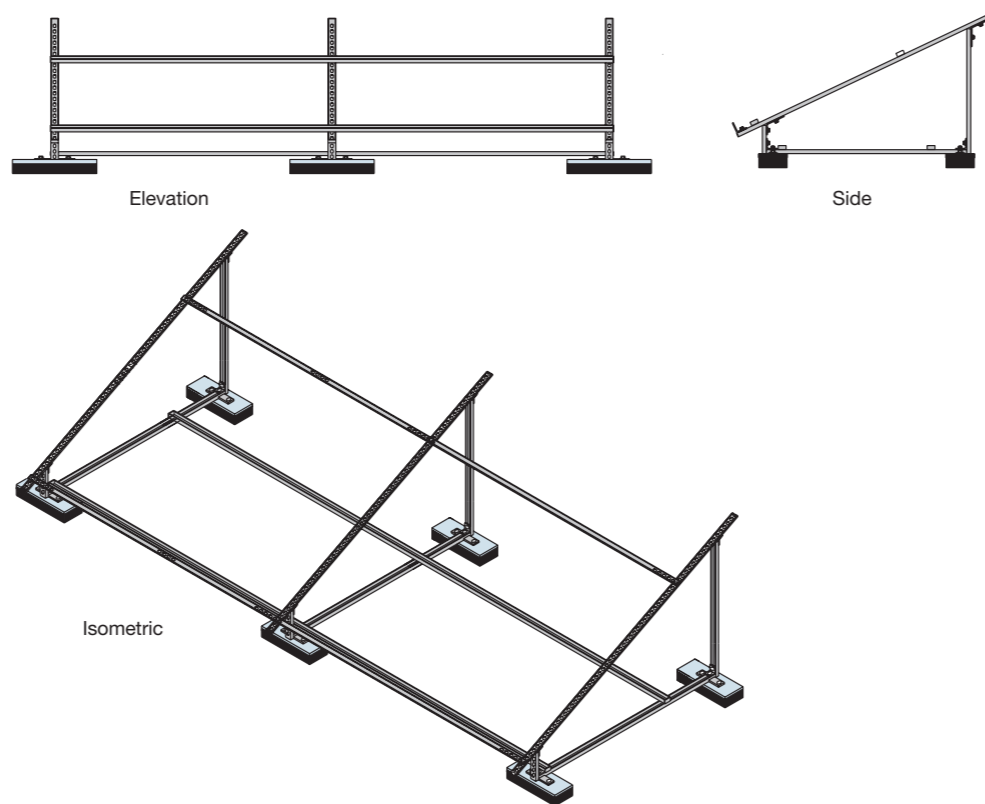
Roofrunners Solar thermal collector support frames are specifically designed to allow for the larger size of these modules when compared to standard PV panels. Frames can be manufactured individually per panel or dual for two collectors positioned together. Our Roofrunner MD and HD support feet allow for the extra ballast loading requirement together with our heavier duty steel support frames.





Roofrunners versatile PV support systems are much stronger and durable than any Aluminium system currently on the marketplace. Our Hot dip galvanised steel structures provide excellent strength and 25 year guarantee out lasting any panel lifetime.

High or low ballasts can be accommodated through the strength of our system and any angle requirement can be made to suit. Wind flow and panel temperature cooling are superior when compared to plastic consoles due to our elevated panel positions on the framework and rear airflow access.



1. Sunshine/rays
2. PV cells on the panels turn the light into DC electricity
3. The current flows into an inverter, which converts it to AC electricity ready to be used
4. The current is fed through a meter and then into your home's consumer unit
5. Plug in and switch on. Your system will automatically use the free electricity you've generated, then switch back to the grid as needed.

Roofrunners specialist solar field framework is designed to provide two options for agricultural environment installations. For a greener and highly efficient installation we provide pre cast concrete support feet which attach directly to our steel support frames. These feet eliminate the need for digging trenches and using excessive amounts of concrete per row.

The local environment and individual fields are therefore far less damaged and in the event the solar panels need to be removed in the future this system is totally flexible and environmentally friendly. Additional ballast is easily installed upon the central base channel supports to comply with British wind loading standards.

A second system is available if you wish to install the support framework directly onto concrete trenches. All A frame sections can simply be bolted in position and secured on to the concrete itself. The advantage with this system is the elimination of additional ballast requirements. Both systems are available with fully adjustable leveling systems to take into account the unevenness in land topography. Roofrunner can design and manufacture any panel layout required from single row systems through to multiple group rows.



Having been involved in specialist support systems for 20 years FRF Systems were recently asked by Birmingham city council to design a flat roof support system for PV/solar panels as part of their energy reduction programme.

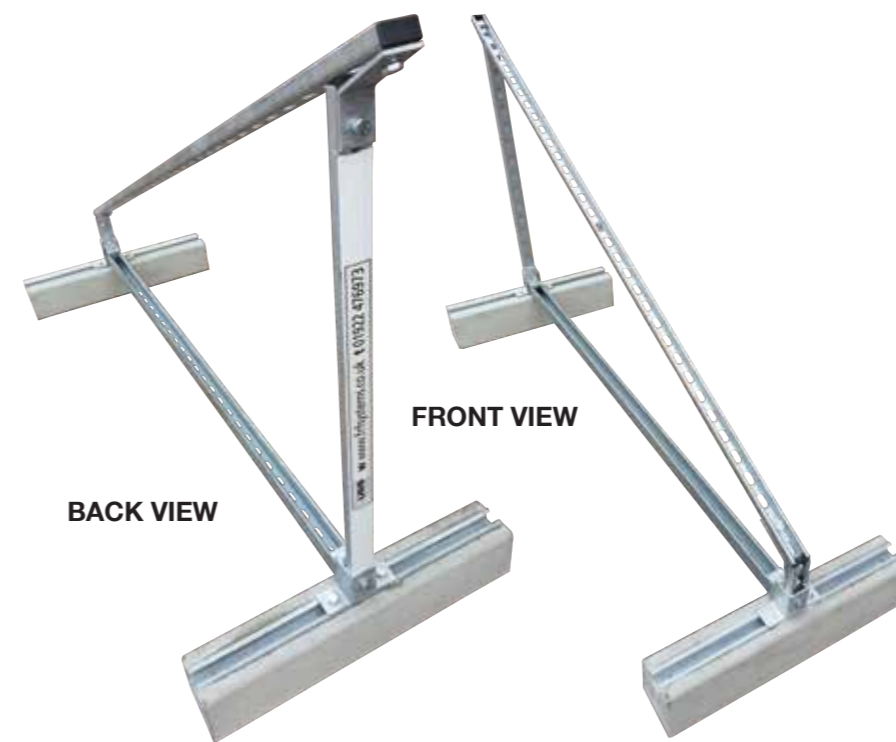
The project is a large scheme aimed at highlighting the energy savings capable by a major city when installing pv panels on various buildings across Birmingham.

The savings made will then be illustrated to other towns and cities across the UK as well as all industry sectors in the attempt to reduce their respected carbon footprint by 2026.

Therefore we have created a framework designed as with all our other framework to be installed with ease and efficiency. There is no need to drill our framework or the roof membrane for installation thus eliminating any damage or water leakage.

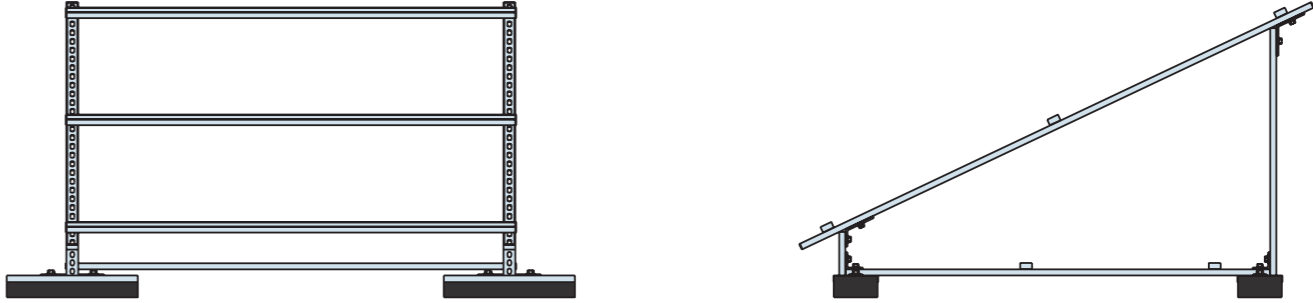
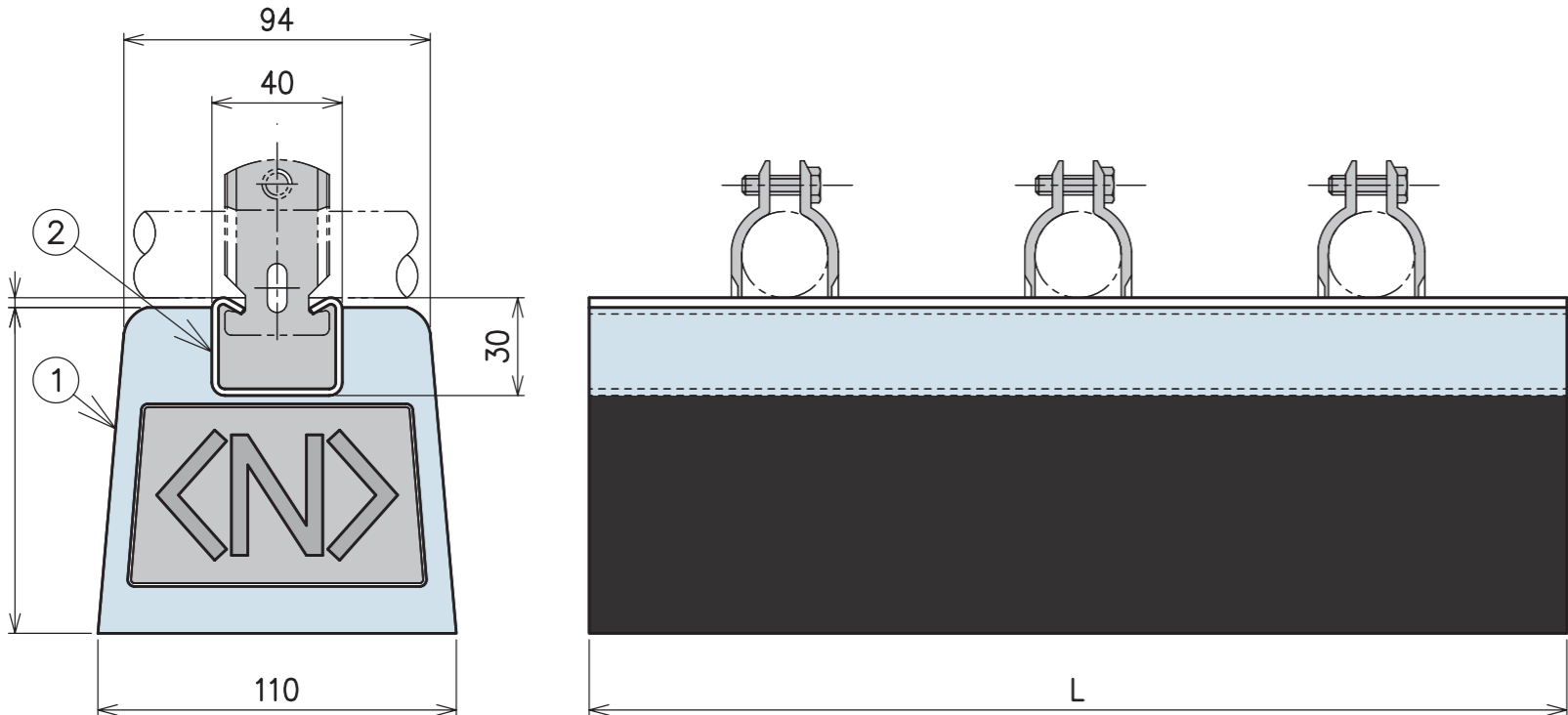
Weighted down accordingly by ballast the framework can withstand high wind loads capable of up to a 45 degree tilt.

Manufactured from galvanized steel channel and bracketry each frame support will exceed the lifetime of any solar or pv panel.



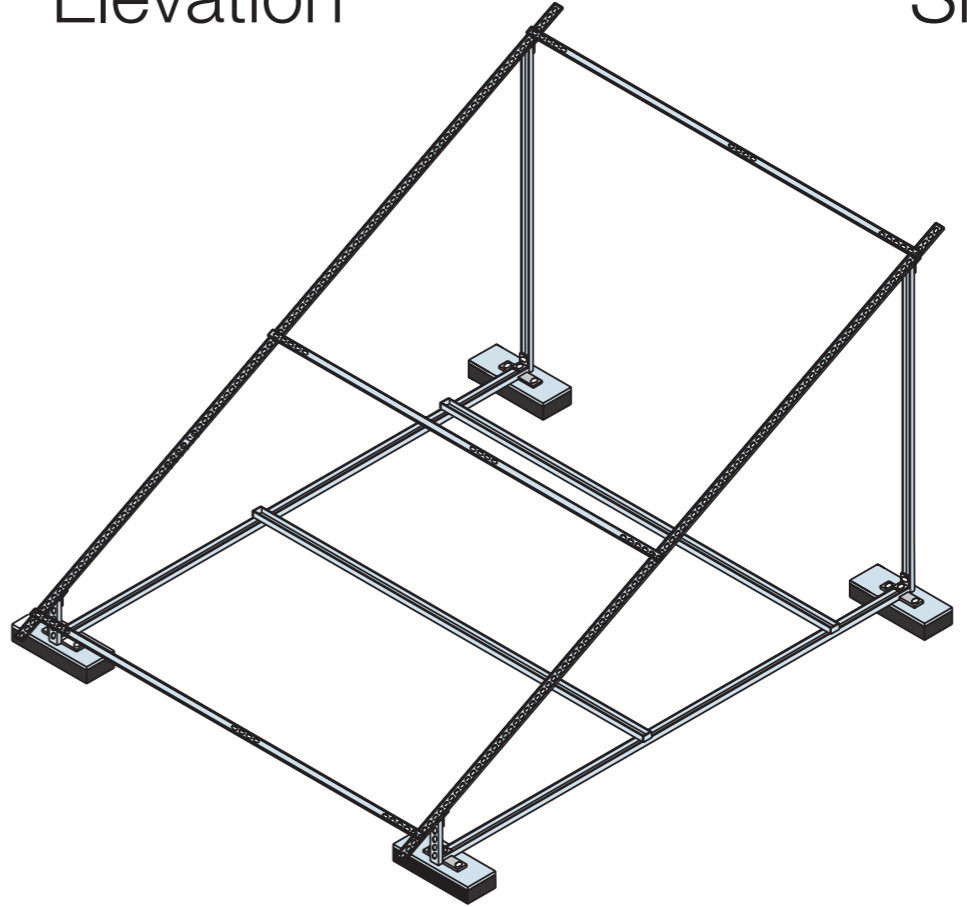
Available to support a wide range of various solar modules without the need for any adjustment to the framework.

FOOT + FIELD SYSTEMS: DRAWINGS



Elevation

Side





Engineered and
manufactured
in Great Britain



Support Feet



HVAC Support Frames



H Frames



Walkways & Step Overs



Solar Panels & Frames

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