

SAYFA

RAPTOR

Rope Access Davit Arm

The Sayfa Raptor Rope Access Davit Arm is designed as a cantilevered anchorage device. Used over balustrades, parapets and curtain walls for rope access work where workers are required to maintain building facades and equipment mounted on the external face of a structure.

The Sayfa Raptor Rope Access Davit Arm is an engineered single person device, designed to withstand a 12kN rope access load or safe working load of 400kg. The Raptor Rope Access Davit Arm mostly connects to the primary structure of the building which includes, wall mount, floor, mount and concrete cast-in options, depending on the structure available and the intended use of the system.

HOW IT IS USED

The Raptor Rope Access Davit Arm is used where there is a need to project an abseil rope out over the edge of a building without impacting the facade, parapet or possibly a glass balustrade. Davit mounts are permanently fixed in place during construction and the Davit Arm is moved into position when required.



HOW IT WORKS

The Sayfa Raptor Rope Access Davit Arm is an engineered single person device, designed to withstand a 12kN rope access load or safe working load of 400kg. The Sayfa Raptor Rope Access Davit Arm mostly connects to the primary structure of the building which includes, wall mount, floor mount and concrete cast-in options, depending on the structure available and the intended use of the system. Its designed as a cantilevered anchorage device over balustrades, parapets and curtain walls for rope access work where workers are required to maintain building facades and equipment mounted on the external face of a structure.

The Davit Base is permanently mounted to the structure whilst the Davit Arm unit is relocated from base to base to access different sections of the structure or facade.





PERFORMANCE

The Raptor Rope Access Davit Arm is designed to conform with requirements of the Australian & New Zealand Standards AS/NZS 5532:2013 AS/NZS/ISO22846, AS/NZS1891 and relevant codes of practices and guidelines.

INSTALLATION

Installation should be carried out by a manufacturer trained technician who is familiar with the parameters of fall arrest and abseil systems.

MAINTENANCE

Inspection and certification required every 12 months by competent person in accordance with manufacturer's specifications and requirements of Australian/ NZ Standards AS/NZS 1891 and AS/NZS 5532.

WARRANTY

Valid for 3 Years from date of purchase subject to correct installation. Use and maintenance to be in accordance with manufacturer's specifications and recommendations. This excludes worn parts.

Failure to supply and/or install proprietary product in accordance with above standards and codes, specifications and instructions voids complete system certification and/or warranty.

ENVIRONMENTAL

The SAYFA Group conducts its operations in an environmentally responsible manner in accordance with relevant legislative requirements and associated standards. SAYFA business operations are committed to eliminate our local impacts and

equally realise our responsibilities towards the environment, as part of our social licence to operate.

We are committed to sourcing the products and materials from ethical sources.

The SAYFA Group ensures, so far is reasonably practicable that all products are being sourced are obtained in a responsible and sustainable way.

This includes understanding the environmental responsibility of those companies which are suppliers to SAYFA Group.

The SAYFA Group designs flat pack solutions that use the products to be shipped as the packing structure and therefore significantly eliminating the need for packaging materials.

Actively pursuing renewable energy sources.

The SAYFA Group has installed a commercial solar panel system that now provides the majority of electricity for our operations.

Classification and appropriate disposal of generated waste.

Training and awareness programs are conducted to educate the team on how to dispose of generated waste into appropriate bins based on classification.

Continual environmental improvement with a focus on fuel and energy efficiency.

Striving to continually improve our environmental performance through review, research and development, and consultation with interested parties.

Prototypes are developed using 3D printer to reduce the waste during research process.

The SAYFA Group looks for opportunities to where current products can be used interchangeably or incorporated into other new designs to reduce the amount of material used for new or upgraded products.

Apply innovative sustainable approaches to create new designs.

The SAYFA Group meets legal, regulatory and environmental requirements by maintaining certifications / accreditation to:

Quality Management System ISO 9001:2015.

The SAYFA GROUP achieves continual improvement by:

Establishing, monitoring, communicating, and reviewing company environmental objectives to exceed company expectations.

Reviewing environmental legislation, regulations and other relevant material and implementing measures to ensure compliance.

Promoting environmental awareness to all levels of the organisation and providing employees with appropriate training.

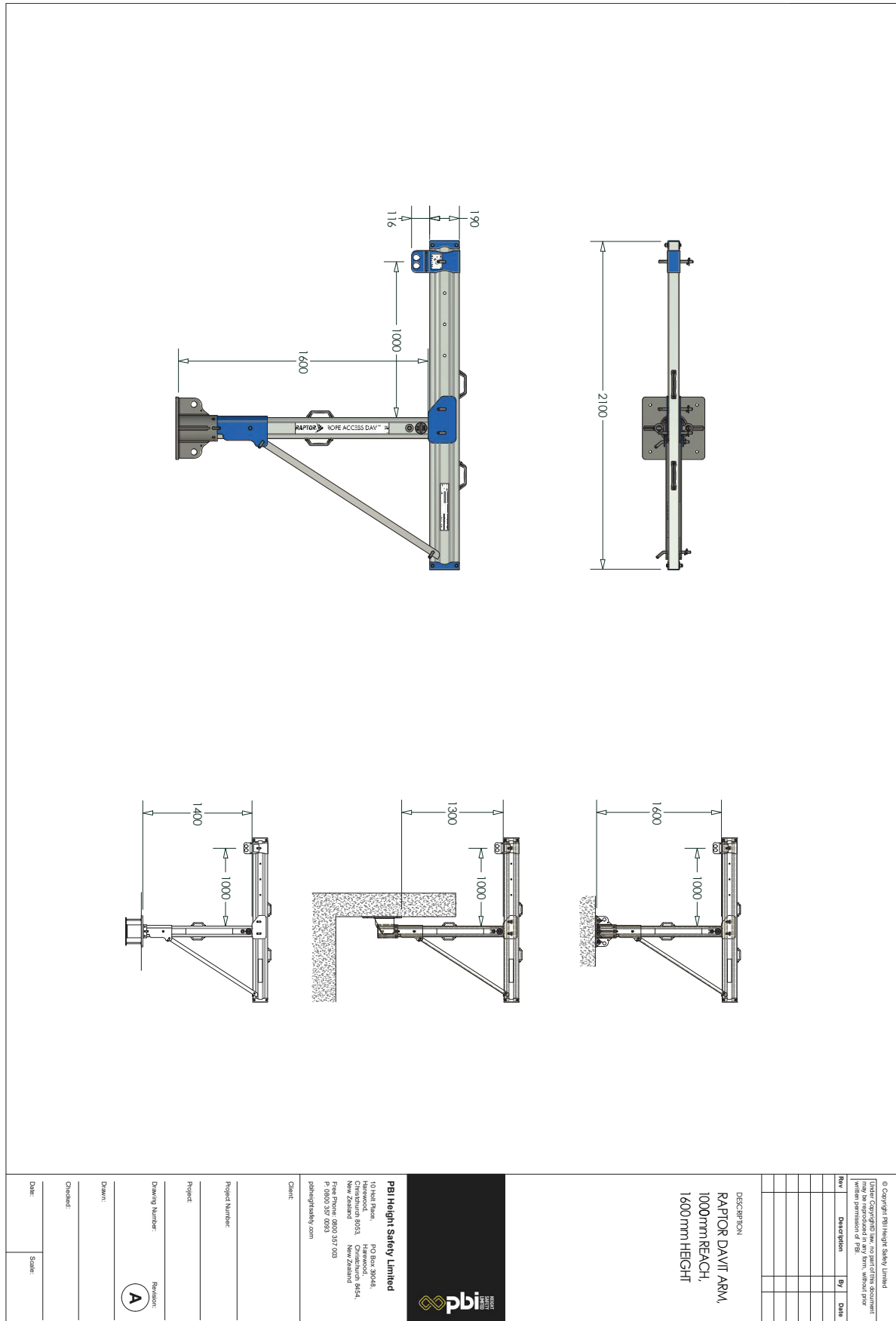
Actively working to minimise pollution and manage waste streams.

The SAYFA Group is proud of the environmentally conscious approach applied to its operations and we continuously look to improve this through innovative and environmentally friendly equipment and techniques.





TECHNICAL DRAWING – SAYFA Raptor Davit Arm 1000mm reach, 1600mm height



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Rev	Description	By	Date

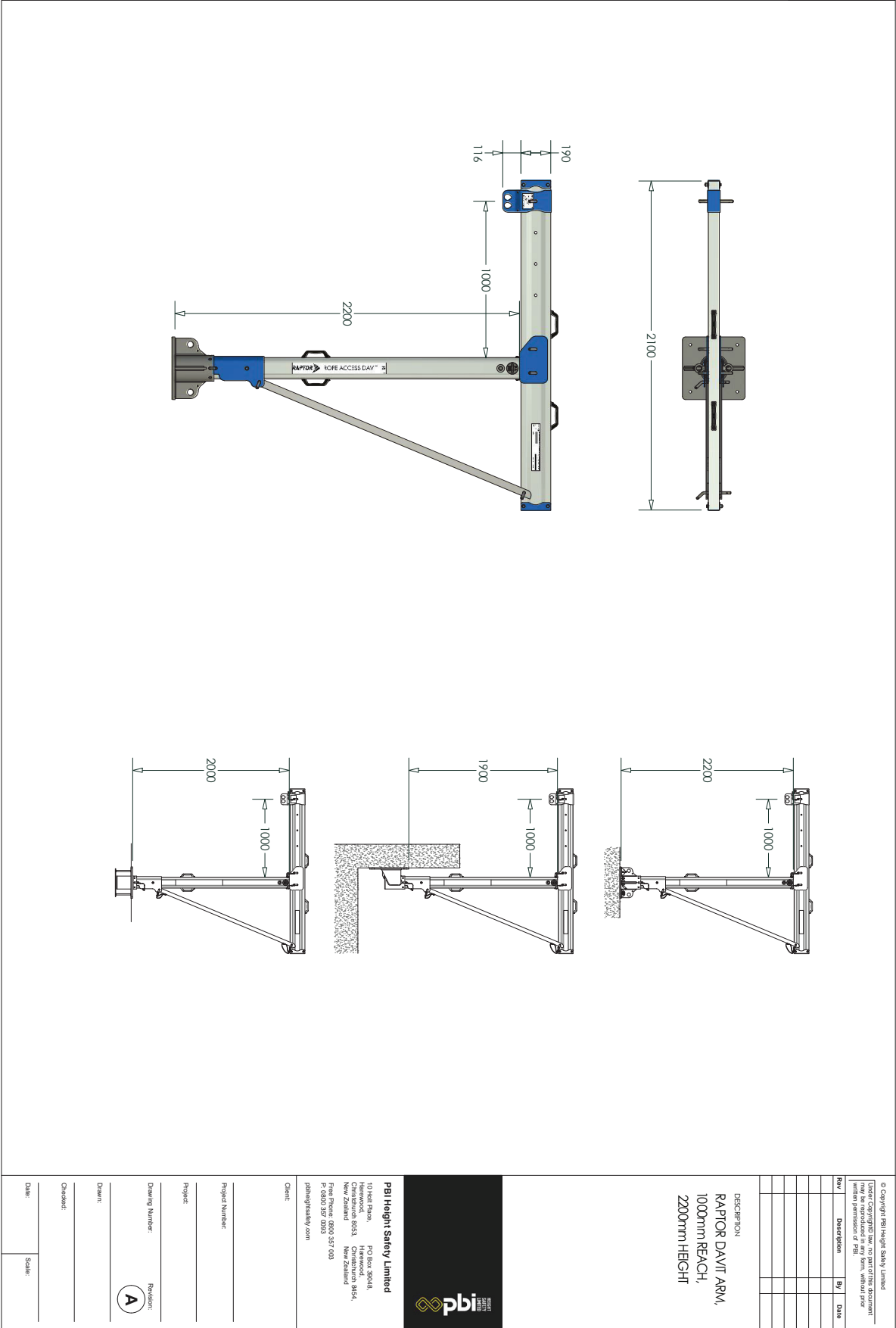
DESCRIPTION
RAPTOR DAVIT ARM,
1400mm REACH,
1600mm HEIGHT

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PO Box 39048,
Christchurch 8053,
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Free Phone 0800 357 003
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Client:	_____
Project Number:	_____
Project:	_____
Drawing Number:	_____
Revision:	A
Drawn:	_____
Checked:	_____
Date:	_____
Scale:	_____

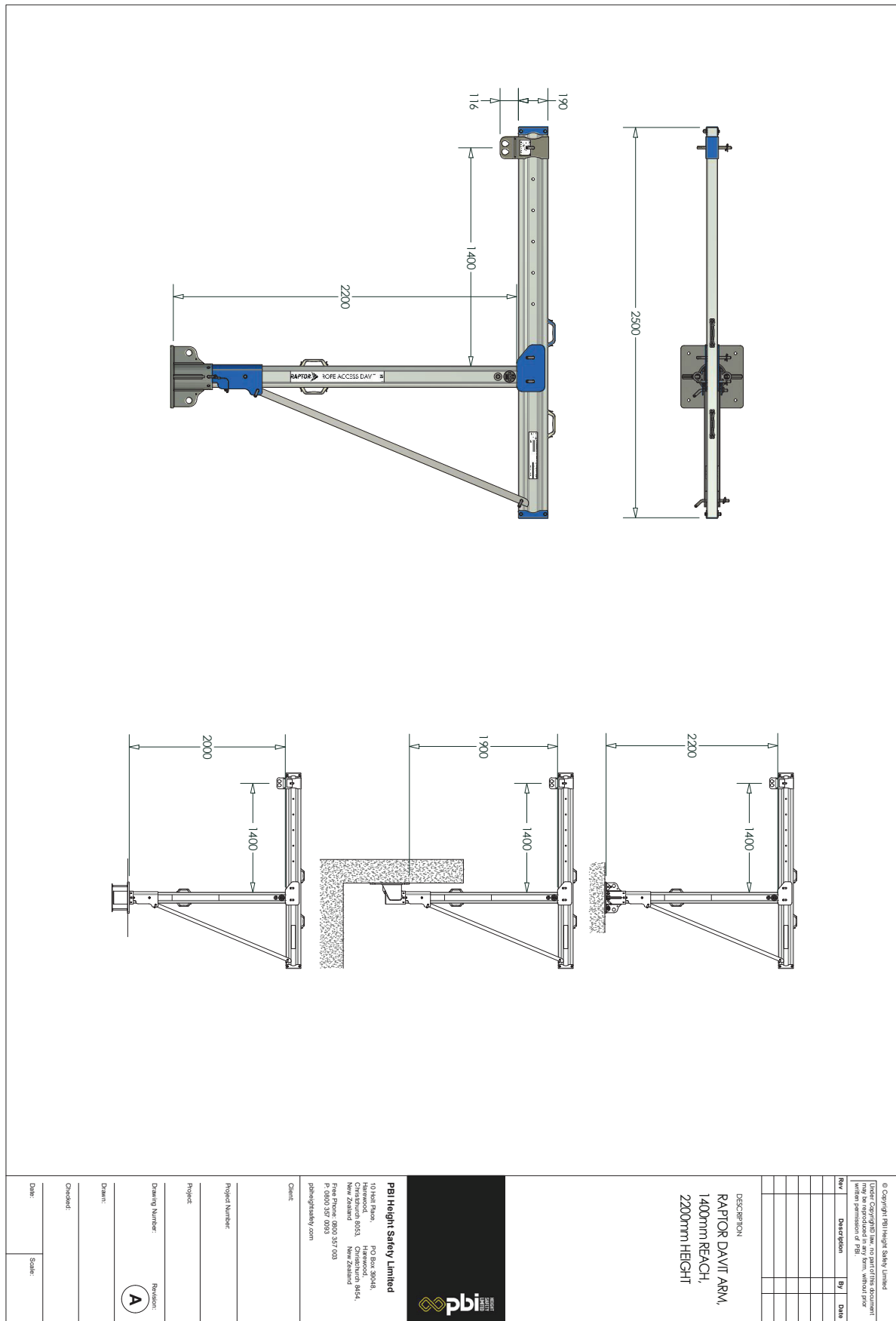


TECHNICAL DRAWING – SAYFA Raptor Davit Arm 1000mm reach, 2200mm height



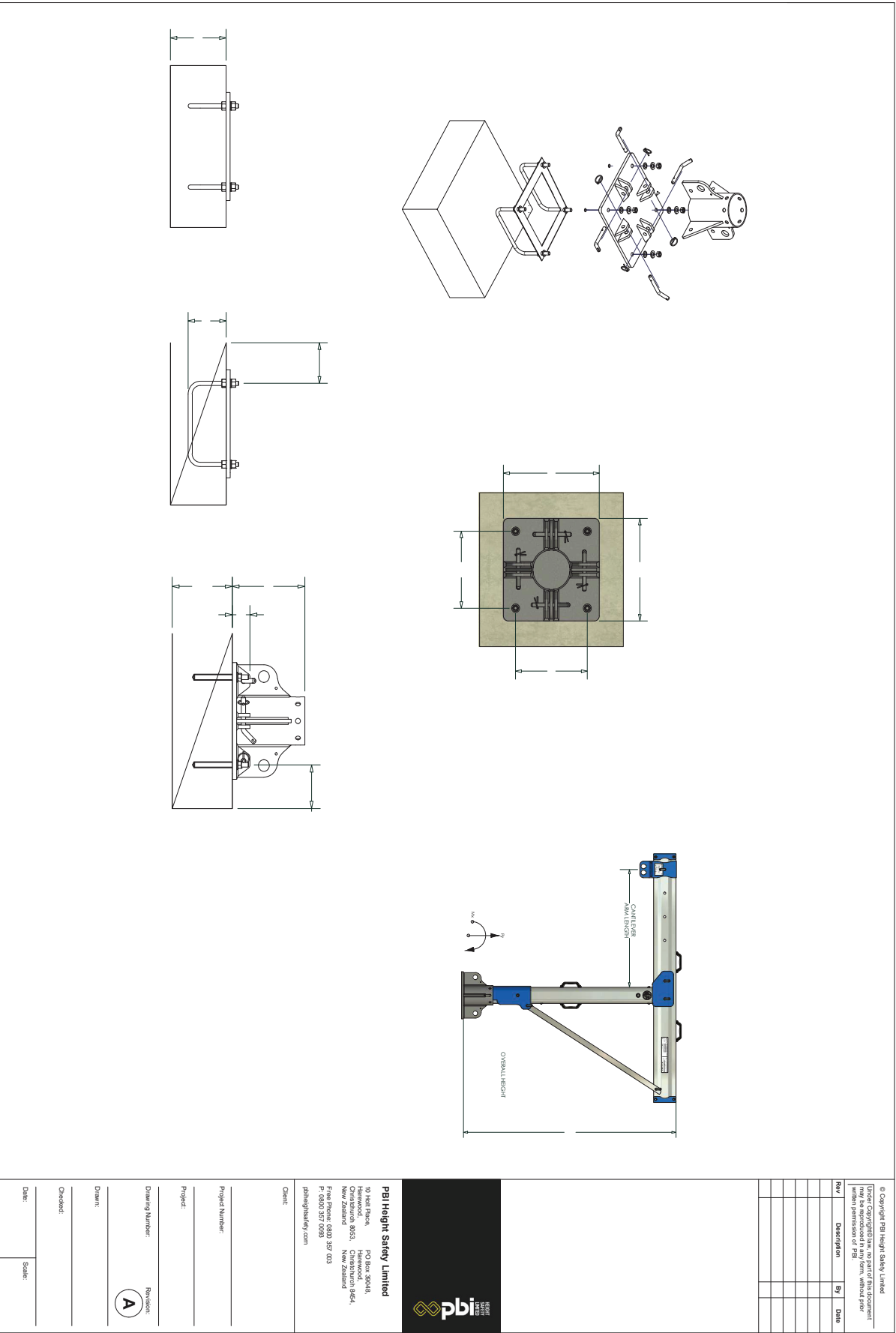


TECHNICAL DRAWING – SAYFA Raptor Davit Arm 1400mm reach, 2200mm height





TECHNICAL DRAWING – SAYFA Raptor Rope Access Davit Arm Fixing



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REVISION HISTORY

REV	DESCRIPTION	DRAWN	DATE
1	FIRST ISSUE	ML	

Note:
* All steel to be Mild Steel
* Final weldment to be Hot Dip Galvanised

The top view shows a square base plate with overall dimensions of 375mm by 375mm. A central circular opening has a diameter of 300mm. Four support legs are attached to the corners, each with a width of 22mm. The distance from the center to the outer edge of the base is 300mm. There are four mounting holes, each with a diameter of 10mm. The base plate is made of mild steel (FILL TYP) and has a thickness of 10mm. The drawing is labeled 'SECTION B-B' and 'SCALE 1:3'.

The side view shows the profile of the davit base. It features a central vertical pipe with a diameter of 10mm. The base plate is 10mm thick. The drawing is labeled 'SECTION C-C' and 'SCALE 1:3'.

The front view shows the base plate with a width of 200mm and a height of 105mm. The base plate is made of mild steel (FILL TYP) and has a thickness of 10mm. The drawing is labeled 'SECTION B-B' and 'SCALE 1:3'.

This detail view shows a section of the base plate with a width of 82mm and a height of 10mm. It includes a tapped hole with a diameter of 10mm. The drawing is labeled 'SECTION C-C' and 'SCALE 1:3'.

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Client: _____

Description: _____

Davit Base

Project Number: _____

Project: _____

Drawing Number: _____

Sheet Size:
A3

Drawn: _____

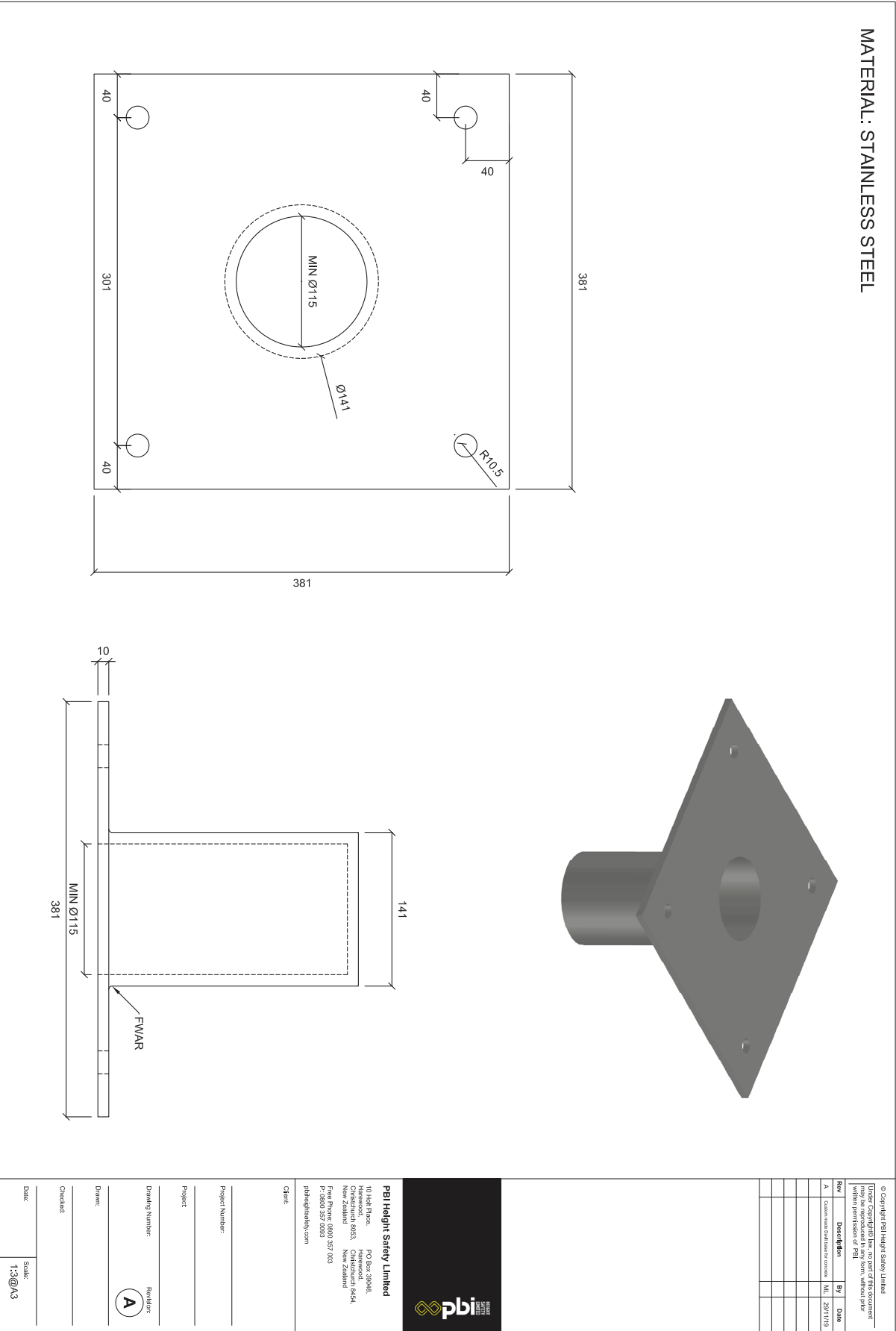
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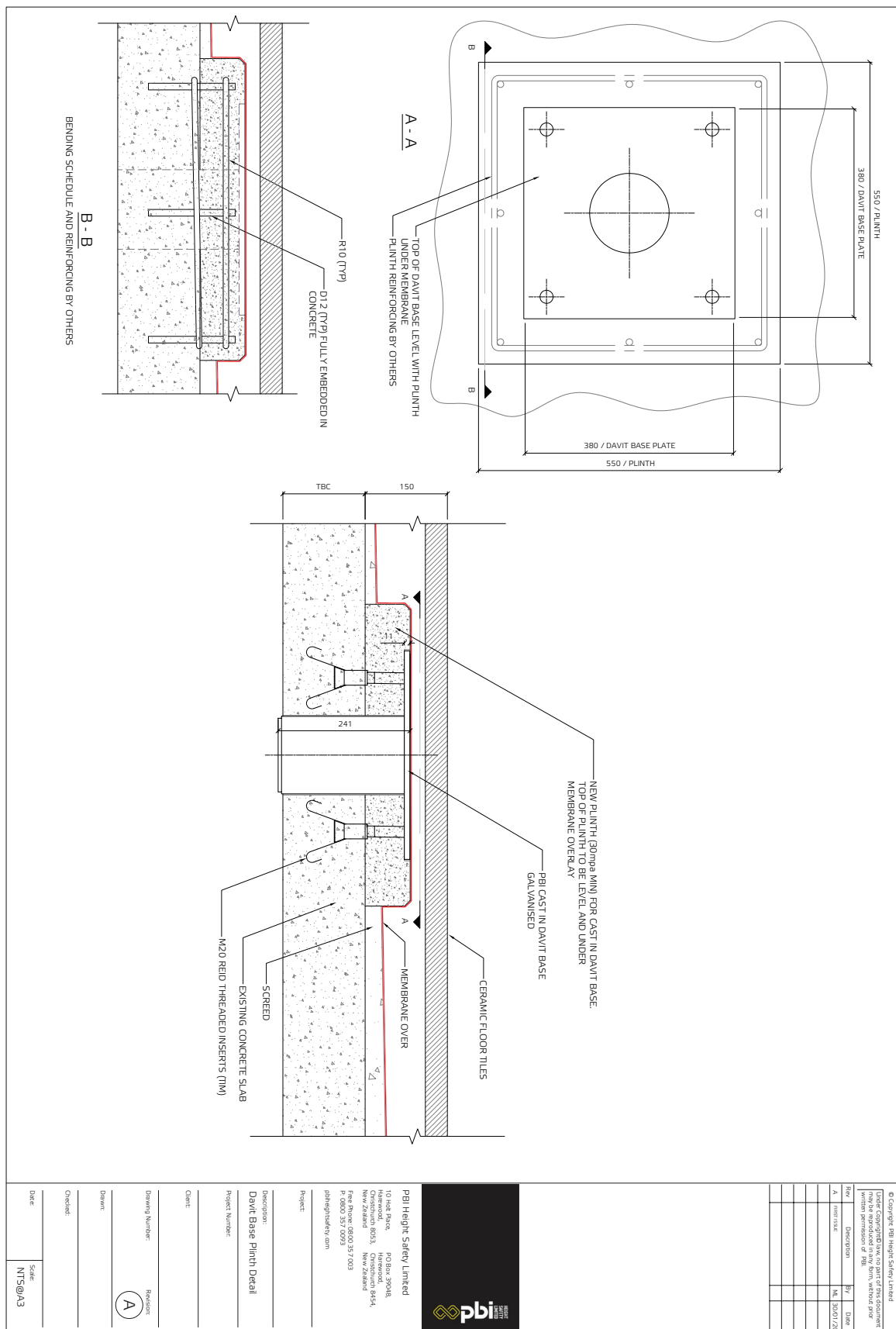


TECHNICAL DRAWING – SAYFA Raptor Rope Access Davit Arm Steel Base





TECHNICAL DRAWING – SAYFA Raptor Rope Access Cast-in Base



PBI HEIGHT SAFETY

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TECHNICAL DRAWINGS KEY



Rate to
15kN



Person
Capacity



Abseil



Fall Arrest



Restraint
Technique