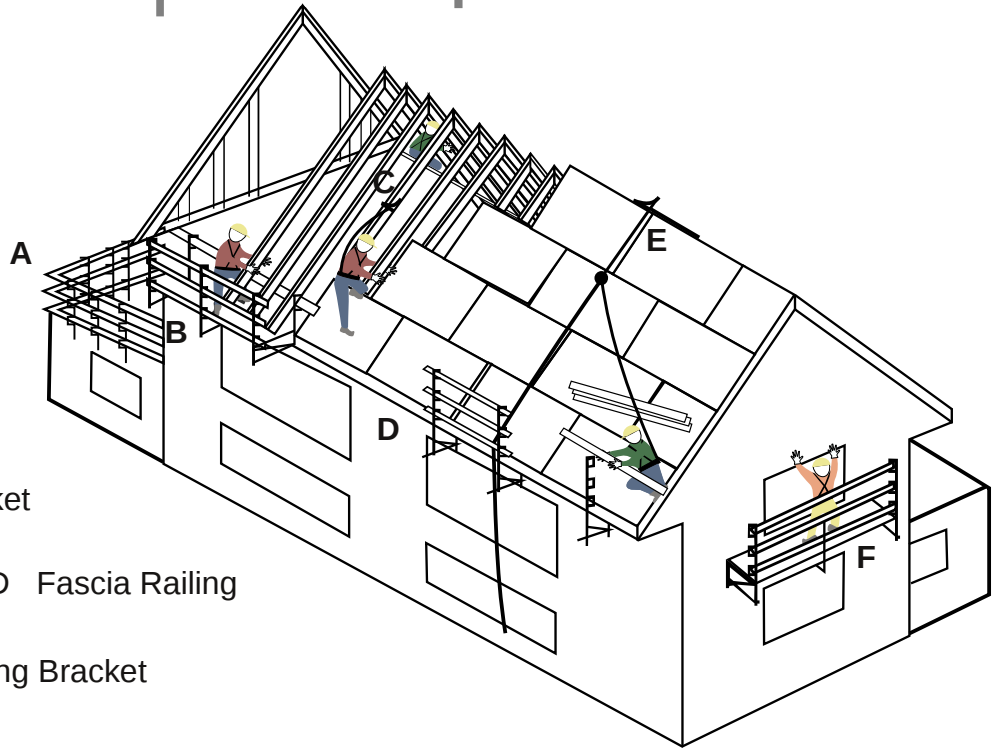
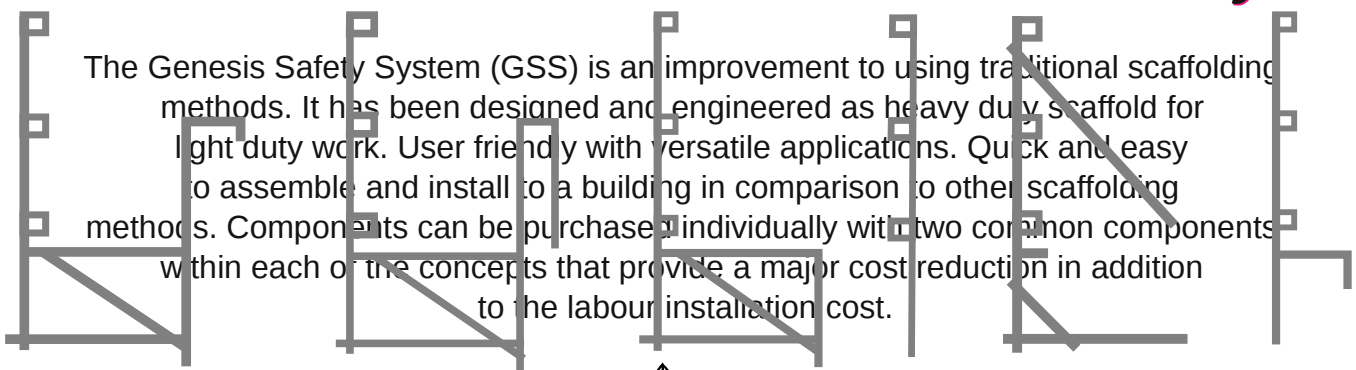




Genesis Safety System 2020 Catalogue

Fall Prevention for the 21st Century

The Genesis Safety System (GSS) is an improvement to using traditional scaffolding methods. It has been designed and engineered as heavy duty scaffold for light duty work. User friendly with versatile applications. Quick and easy to assemble and install to a building in comparison to other scaffolding methods. Components can be purchased individually with two common components within each of the concepts that provide a major cost reduction in addition to the labour installation cost.



- A Perimeter Railing
- B Top Plate Wall Bracket
- C Life Line Bracket
- D Fascia Railing
- E Mounting Dismounting Bracket
- F Gable End Bracket

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All prices are in Canadian dollars unless otherwise noted. Please note that these prices do **not** include possible applicable taxes or shipping costs. Contact us with your location for more details. Prices may change without notice.

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This replication of a letter from BMR engineering provides background information and clarification on the design and testing of the Genesis Safety System.

December 5, 2014

Incorporating Responsible Solutions
339 Paton Road
Upper Sackville, Nova Scotia
B4E 3C2

ATTENTION: Mr. David Dahr

RE: GENESIS SAFETY SYSTEMS — BRACKET SCAFFOLDING LOADING

Dear Sir:

At your request, the loading for a bracket scaffold has been reviewed to the requirements of the Nova Scotia Workplace Health and Safety Regulations under the Occupational Health and Safety Act dated March 12, 2013.

Bracket scaffolds are covered in Section 23.6 of the Regulations. The loading is specified in Section 23.6(1) (c) and states "a bracket scaffold must be capable of supporting at least 4 times the load that is likely to be on it". Section 23.6(1)(a) also requires that "brackets on a bracket scaffold must be spaced no more than 3 m apart".

Duty rating categories are specified in Section 5.11.2 of CSA Z797 Code of Practice for Access Scaffold. For light duty designation the loading is 1.2 kN per square metre (25 pounds per square foot) and for heavy duty the loading is 3.6 kN per square metre (75 pounds per square foot).

Based on engineering calculations, the ultimate load that can be supported on the wall bracket was determined. Using the Regulations specified load factor of four times the load that is likely to be on the bracket and the maximum bracket spacing of three meters (ten feet), the wall bracket meets the duty rating category for light duty.

The Genesis Safety System wall brackets, The Gable End Bracket, Top Plate Bracket and the Top Plate Parapet Bracket meet the duty rating category for light duty bracket scaffold including the various guardrail applications. A piece of 1" X 6" sawn lumber can be attached to the platform and railing posts to form the toe board.

Thank you for the opportunity to provide engineering services on the Genesis Safety System.

Yours truly,
BMR Structural Engineering Ltd.

Roy T. McBride, M.Sc., P.Eng.

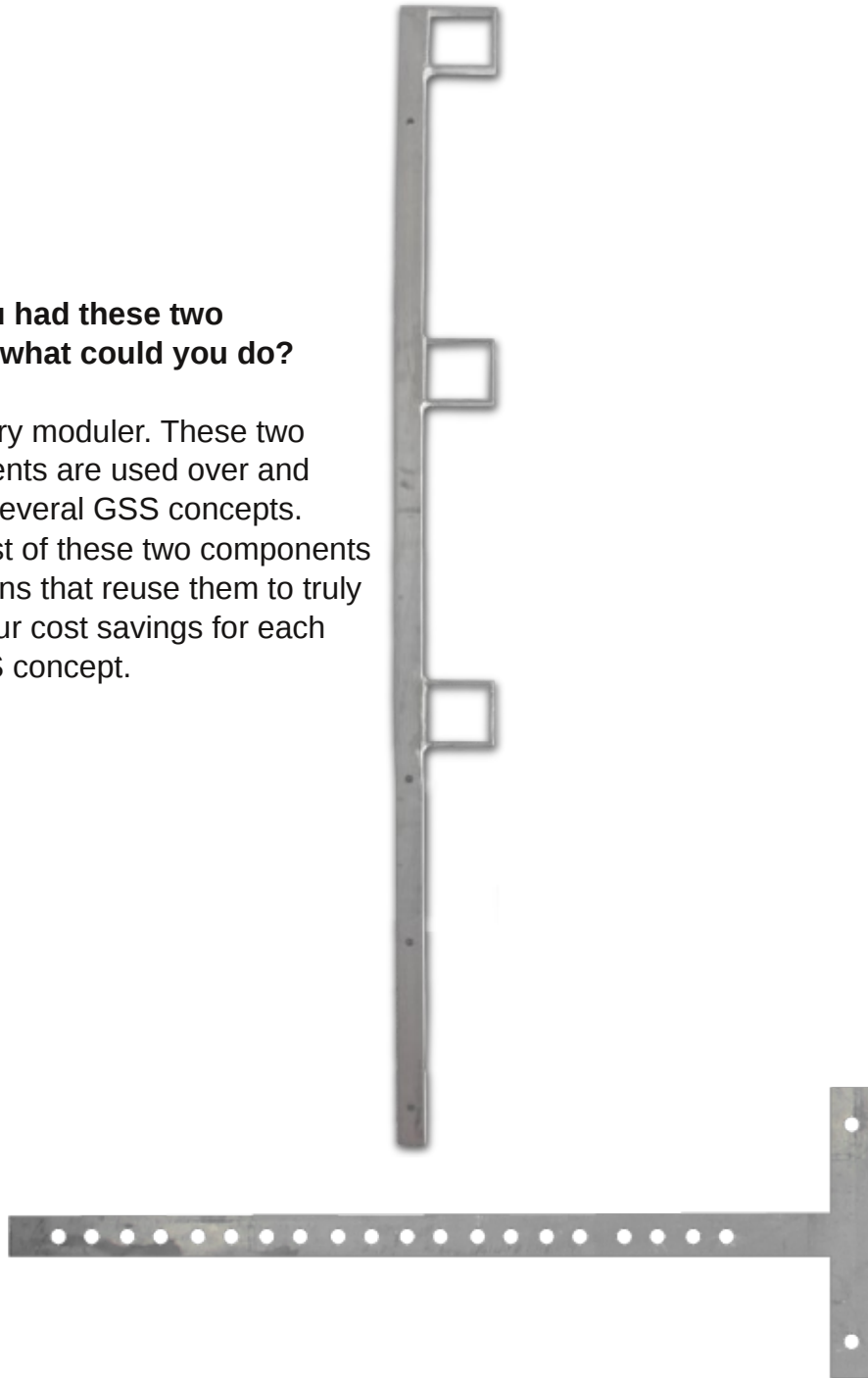


STANCHION AND RIGHT ANGLE SUPPORT ARM

The Stanchion Post and Right Angle Support Arm are interchangeable with many of the GSS pieces and can be used to make many of the arrangements the system uses.

Imagine if you had these two components; what could you do?

The GSS is very modular. These two basic components are used over and over again in several GSS concepts. Deduct the cost of these two components from applications that reuse them to truly understand your cost savings for each additional GSS concept.



PERIMETER RAIL



The Perimeter Railing provides a railing around the edge of a floor surface when the surface is two stories or more.

The maximum allowed distance between brackets is ten feet (3 metres).

PERIMETER RAIL COMPONENTS



GABLE END BRACKET

Please note that the Gable End Bracket can be utilized for two extra concepts, the Gable End Platform Base and the Perimeter Railing.



This combination railing and platform can be attached anywhere on a 2x6 or 2x4 wall that has studs exposed on the inside of the wall. It can also be installed on the exterior of the wall before or after the wall is standing. The maximum allowed span between brackets is twenty eight feet or 8.5 metres (pending). This concept is great for the installation of roof truss. In addition to safely installing the roof truss this method will increase the productivity of the first course of plywood sheathing and fascia board, ice and water shield, starter strip and a few courses of singles.

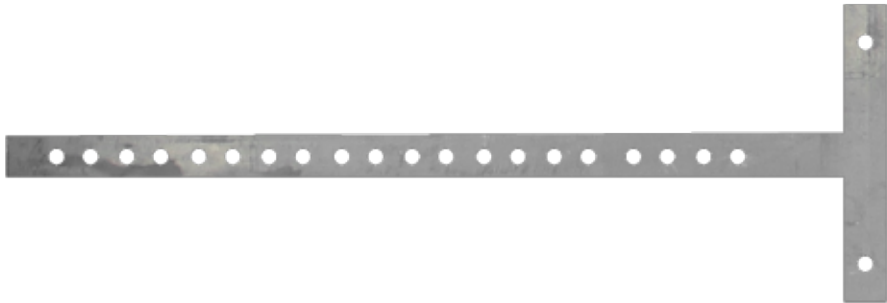
The maximum allowed distance between brackets is twenty eight feet or 8.5 metres (pending).

GABLE END PLATFORM BASE



The Gable End Platform Base can provide you with a safe work platform on the interior of a wall where a railing is not required in addition to the platform. The maximum height for this platform must not exceed six feet (1.82 metres). The maximum span between brackets is ten feet (3 metres). This is a safe method for installation of floor joist when constructing two or more stories.

GABLE END BRACKET COMPONENTS



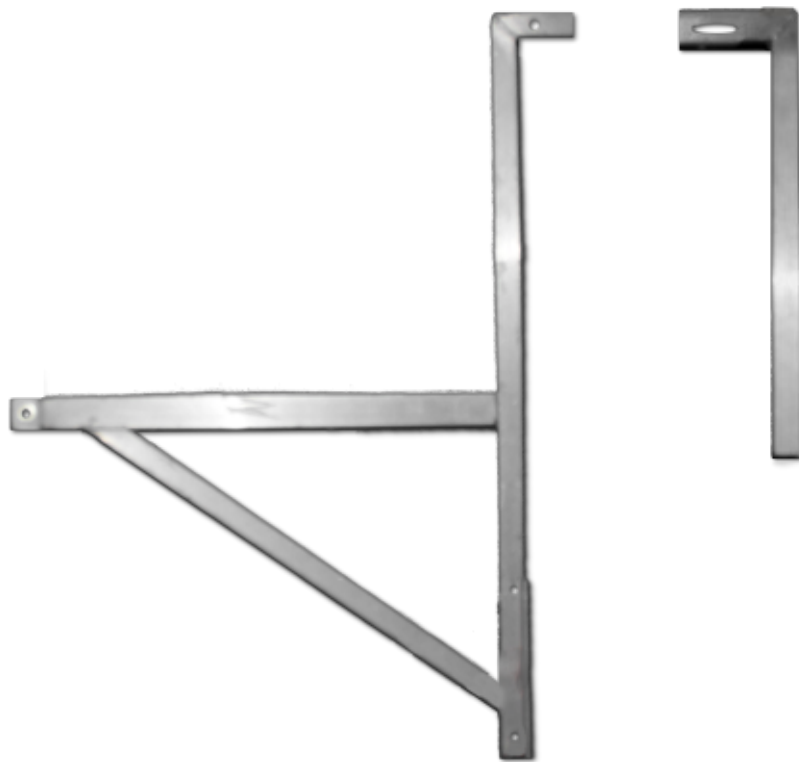
TOP PLATE WALL BRACKET



The Top Plate Wall Bracket replaces the Gable End Bracket when there are a number of studs attached to one another. This occurs on the sides of window and door opening, support columns in the wall to carry a beam or the corner points in a tarrette.

The maximum allowed distance between brackets is twenty eight feet or 8.5 metres (pending).

TOP PLATE WALL BRACKET COMPONENTS



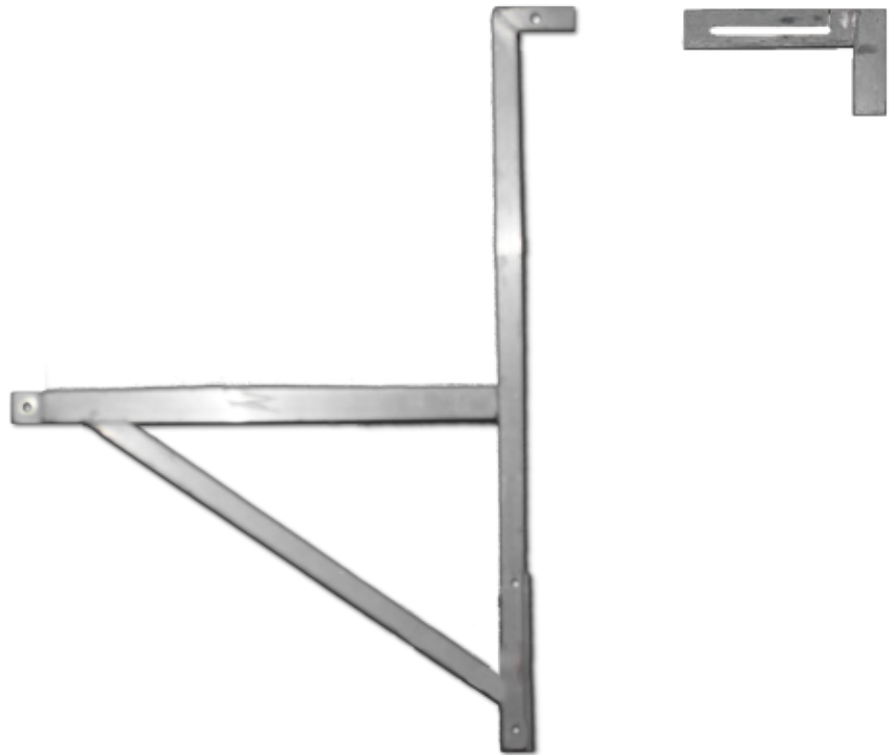
TOP PLATE PARAPET BRACKET



Top Plate Parapet Bracket is used for the installation of roof truss when converting a building with a flat roof to a pitched roof or the installation of roof truss in ICF construction.

The maximum allowed distance between brackets is twenty eight feet or 8.5 metres (pending).

TOP PLATE PARAPET BRACKET COMPONENTS



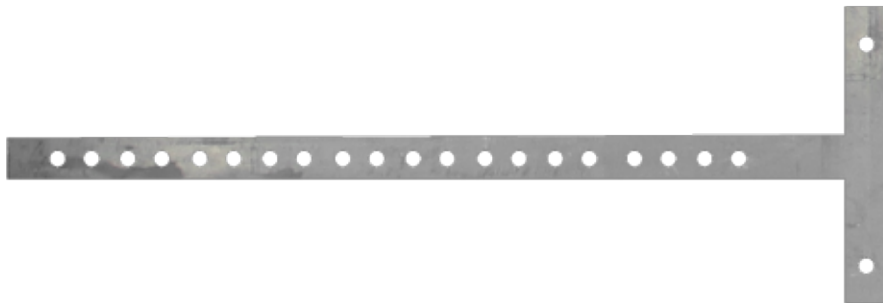
FASCIA RAILING



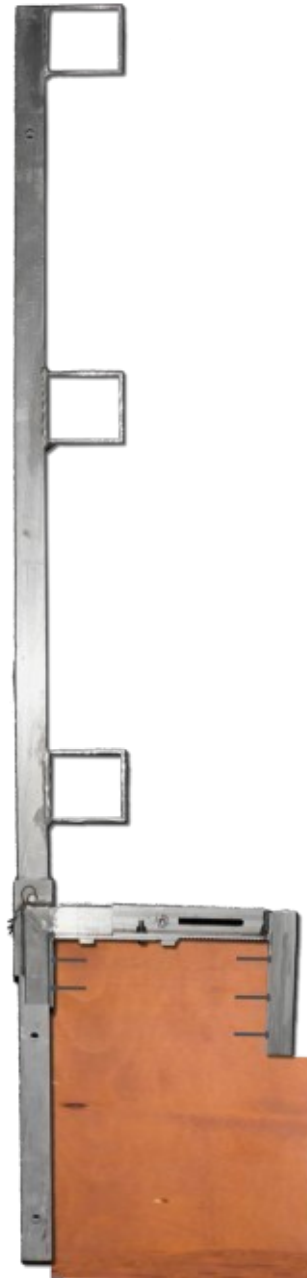
The Fascia Railing provides a railing at the edge of a roof when a platform is not required. It is connected to the roof at two points. This railing can be adjusted from a 4/12 pitch to a 12/12 pitched roof. The Right Angle Support Arm can also be adjusted to accommodate the various depths of a soffit.

The maximum allowed distance between brackets is ten feet (3 metres).

FASCIA RAILING COMPONENTS



PARAPET RAIL



The Parapet Railing provides a 2x4 railing around the perimeter of a flat roof that has a parapet (curb) no greater than twelve inches wide (30 centimetres) when a platform is not required.

The maximum allowed distance between brackets is ten feet (3 metres).

PARAPET RAIL COMPONENTS



FEATHERLITE CATWALK PLATFORM



Using the certified Featherlite Platform allows a maximum span of twenty eight feet or 8.5 metres (pending) between all the platform Brackets.

FEATHERLITE STANCHION POST



The Featherlite Stanchion post allows the installation of the Featherlite Platform across a significantly long span. Use of these posts is shown in the above photo. The posts are highlighted by magenta markings.



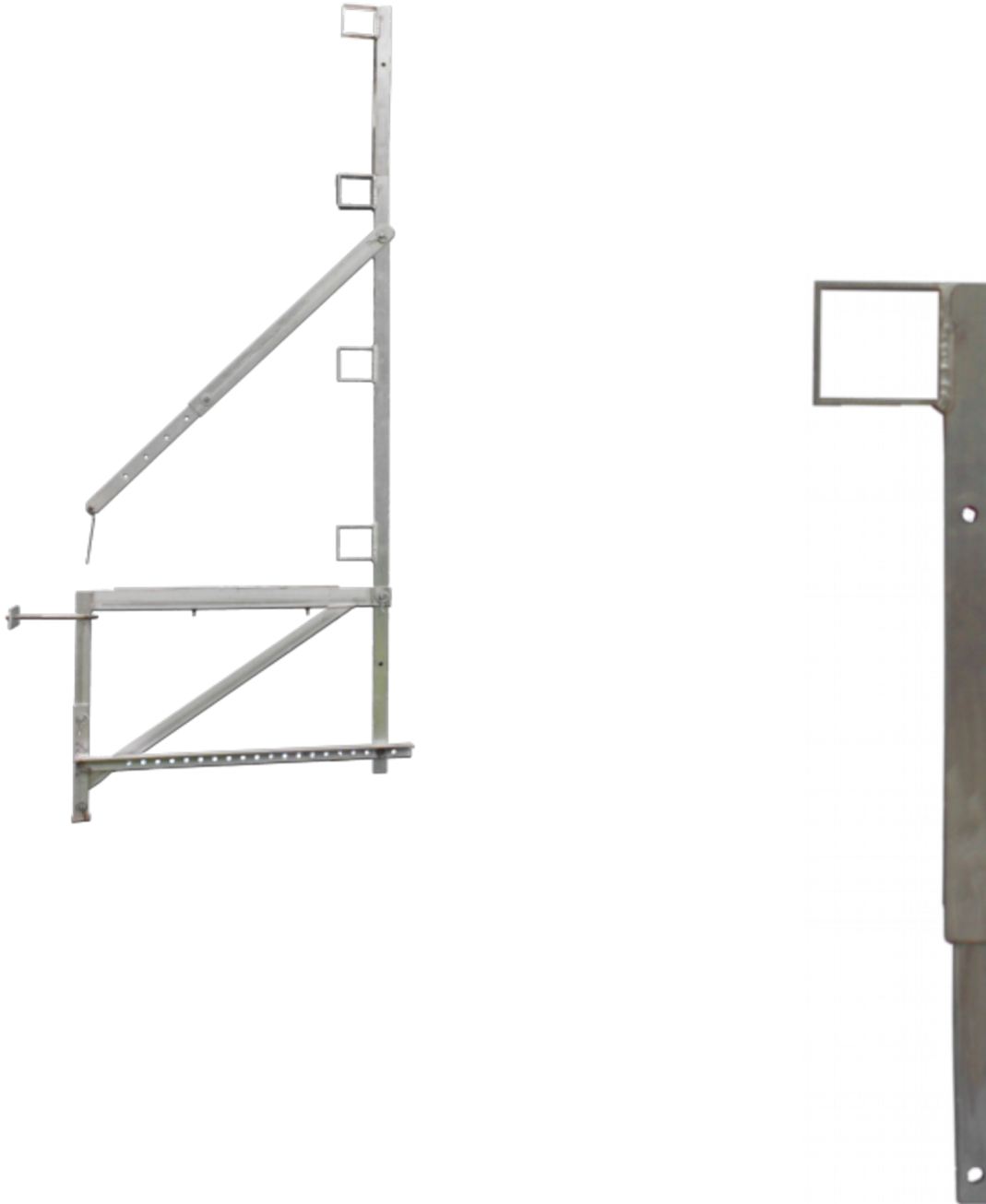
The maximum span between the Featherlite Stanchion is 10 feet (3 metres).

PULLEY CONNECTOR



Using the Gable End Platform Base you can attach the Pulley connector into the stanchion pocket to hoist and lower the Featherlite Platform on to the Platform Brackets.

STANCHION EXTENSION



The Stanchion Extension provides you with that additional guard rail when working on a steep roof or the lower rail is beneath the fascia board after the installation of a roof truss. The Telescopic Arm must be used when you add the extension into the Stanchion Post. The Stanchion Extension can be used on the Platform Brackets and the Fascia Railing.

PARAPET CABLE RAILING



A Cable Railing can be used on the Parapet Bracket. The Telescopic Arm must be used on both ends where the cable connects to the Stanchion Post. The span between the ends can be no greater than thirty feet (9.1 meters) with two intermediate Parapet Brackets spanning no greater than 10 feet (3 meters) apart for a total of four Parapet Brackets every thirty feet (9.1 meters). The Telescopic Arm is not required for the intermediate Parapet Brackets. Turnbuckles are not included in the cost.

SLAB RAIL WITH TUBE AND CLAMP



The Slab Rail provides railing around the perimeter of a concrete slab. The Tube and Clamp Railing can be used in all the Stanchion Post applications so the U Bolts are priced individually. The 1 1/2" pipe is also priced according to the the required length. The maximum span between brackets is ten feet (3 meters).

GABLE END BRACKET ON STEEL C CHANNEL



A Gable End Bracket can be installed on a pre drilled steel C Channel using 1/2" diameter carriage bolts for an easy connection. The C Channel comes in ten foot (3 meter) lengths and can be attached to any type of steel structure. The C Channel also provides an anchor point for a Static Line in addition to a guard rail and platform.