Esnova
IDEAS EN METAL S.A.

NEW AGE SERVICES

Wide Span Shelving M66

THE STRENGTH OF SIMPLICITY

Wide Span Shelving M66.

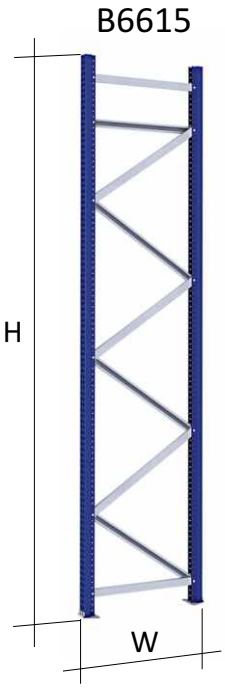
Esnova Racks

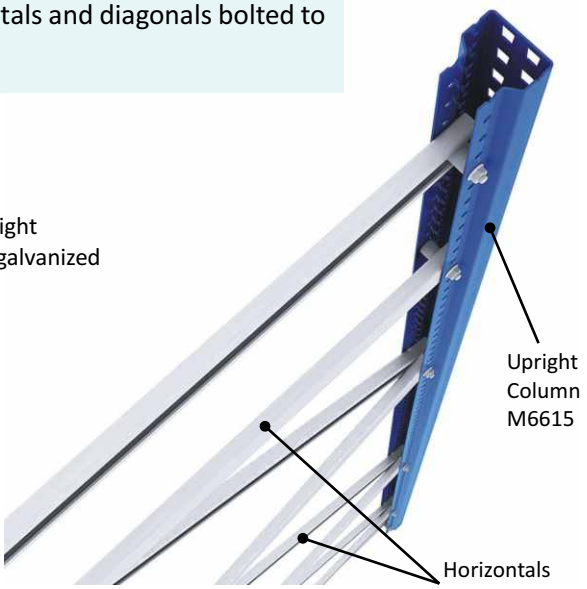
- Wide span shelving system for every type of goods and products.
- Custom-made configuration by combining frames and levels.
- Levels height adjust every 25 mm.

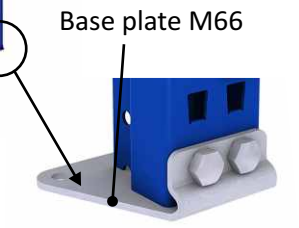
System Components

Frames

A frame consists of two perforated uprights, connected by a bracing made of horizontals and diagonals bolted to the uprights.







Technical characteristics:

Frames:

	B6615	BM6615
Min/Max Height (H)*	2500 / 5500 mm.	1500 / 3250 mm.
Frames Width (W)	400 - 600 - 800 - 1000 mm.	

* The frames standard heights increase in steps of 250 mm.

Upright columns M6615:

Dimensions: 50X51,65 mm.
Thickness: 1,5 mm.
Finishing: - Blue 5019.
- Pregalvanized.

Horizontals/Diagonals:

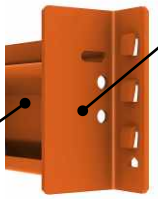
Thickness: 1,5 mm.
Finishing: Pregalvanized.

Base plate M66:

Thickness: 3 mm.
Finishing: Pregalvanized.

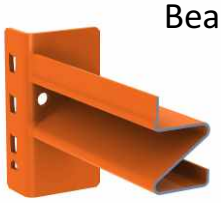
Beams

A beam is a strong horizontal member used to support the load. It's made of a Z profile with two welded connectors ot both ends. The connectors have stamped hooks every 25 mm. thus connecting them to the uprights front holes.



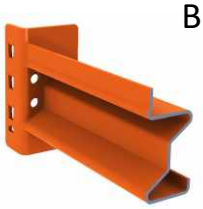
Standard models:

Beam Z35



Thickness	1,5 mm.
Connector	MC3
Standard lengths (mm.)	890-1070-1250 1425-1605
Finishing	Orange 2004

Beam Z55e



Thickness	1,5 mm. - 1,8 mm.
Connector	MC3
Standard lengths (mm.)	890-1070-1250-1425 1605-1785-1960-2140
Finishing	Orange 2004

Beam Z65e

Thickness	1,8 mm. - 2 mm.
Connector	MC3
Standard lengths (mm.)	1605-1785-1960-2140-2315-2500-2675
Finishing	Orange 2004

Beam Z85e

Thickness	2 mm.
Connector	MC4
Standard lengths (mm.)	1605-1785-1960 2140-2315-2500-2675
Finishing	Orange 2004

Gran Milano Beam

Thickness	1,5 mm.
Connector	MC3
Standard lengths (mm.)	890-1070-1250-1425-1605-1785
Finishing	Orange 2004

Beam MV

Thickness	2mm. - 2,3 mm. - 3mm.
Standard lengths (mm.)	890-1070-1250-1425
Finishing	Orange 2004

Load capacity: Maximum load per shelf (pair of beams) uniformly distributed and expressed in units of Kg.

	Standard lengths (mm.)										
Model	**890**	**1070**	**1250**	**1425**	**1605**	**1785**	**1960**	**2140**	**2315**	**2500**	**2675**
Z35	618	518	437	363	315			-	-	-	-
Z55e	1306	1103	958	824	715	627	556*	495*		-	-
Z65e	-	-	-	-	979	859	762*	679*	609*	546*	493*
Z85e	-	-	-	-	1419	1241	1098	974	872	779	702
Gran Milano	756	628	538	472	419	377	-	-	-	-	-
MV (2 mm.)	145	125	100	80	-	-	-	-	-	-	-
MV (2,3 mm.)	190	165	130	105	-	-	-	-	-	-	-
MV (3 mm.)	330	300	270	240	-	-	-	-	-	-	-

* It is recommended to use at least a crossmember in the center of the span to avoid lateral buckling (torsien) of the Z section profile beam.

Accessories.

Chipboard panels PA66

Chipboard panels designed to fit perfectly in each bay. They lean on the beams.

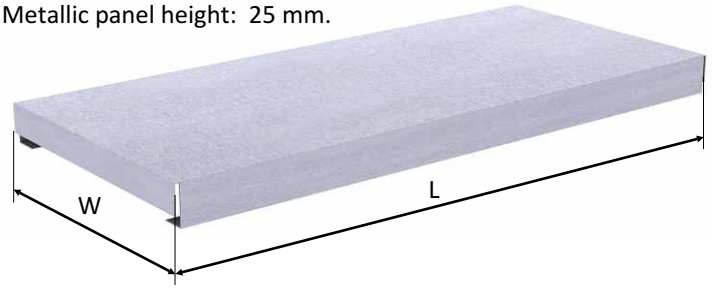
Chipboard panel height: 22 mm.

Beam length (mm.)	Chipboard panel length (L) (mm.)	Panel height (mm.)	Panels length depending on frames width (mm.) (W)			
			For widths of:			
			400	600	800	1000
890	885	22	393	593	793	993
1070	1065		393	593	793	993
1250	1245		393	593	793	993
1425	1420		393	593	793	993
1605	1600		393	593	793	993
1785	1780		393	593	793	993
1960	1955		393	593	793	993
2140	2135		393	593	793	993
2315	2310		393	593	793	993
2500	2495		393	593	793	993
2675	2670		393	593	793	993

Metallic panels M66

Metallic panels manufactured in pregalvanized steel 0,8 & 1 mm. thick, easy to clean and corrosion-free.

Metallic panel height: 25 mm.



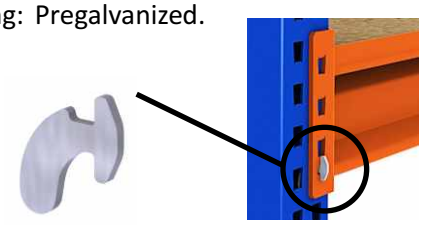
Frame depth (mm).	L (mm.)	W (mm.)
400	402	178
600	602	178
800	802	178
1000	1002	178

	Standard beam lengths (mm.)										
	890	**1070**	**1250**	**1425**	**1605**	**1785**	**1960**	**2140**	**2315**	**2500**	**2675**
Nº Panels	5	6	7	8	9	10	11	12	13	14	15

Safety clip CME

Element designed to avoid accidentally disengaging of beams.

Finishing: Pregalvanized.

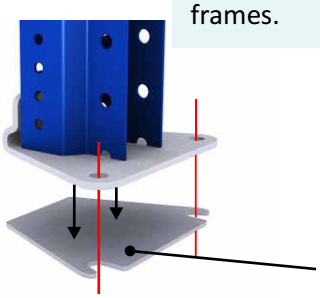


Shim plate M66

Element designed to help levelling of frames.

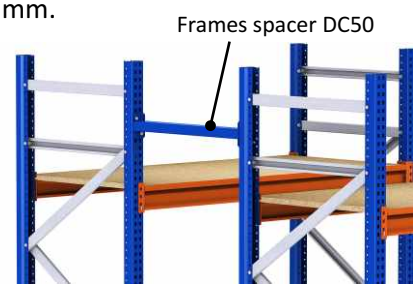
Finishing: Pregalvanized.

Available in thickness of 1 & 2 mm.



Frames spacer DC50

Lengths: 100 - 150 - 200 - 300 - 400 - 500 mm.
Finishing: Blue 5019.



Joining element bolted to two frames placed at the same level to maintain a constant distance between two alignments of modules.

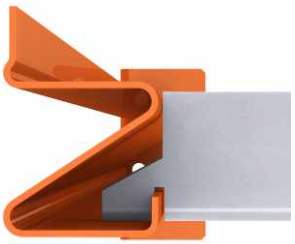
Crossmember

Standard models:
Finishing: Pregalvanized.

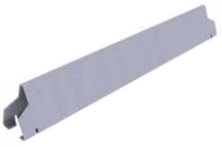
Element designed to carry loads, it is placed on two beams of the same shelf without the need of joining elements.

Crossmember T35

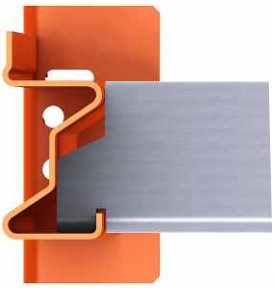
Designed to be used together with beams Z35.



Crossmember T55

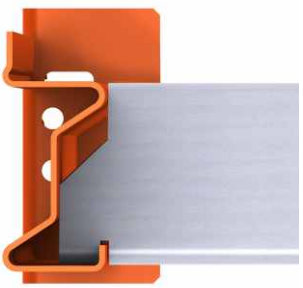


Designed to be used together with beams Z55e.



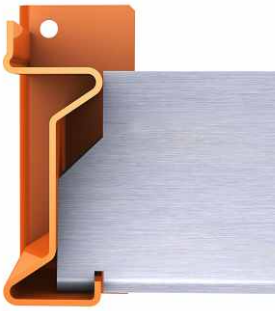
Crossmember T65

Designed to be used together with beams Z65e.



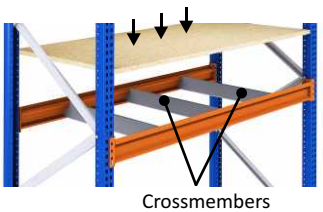
Crossmember T85

Designed to be used together with beams Z85e.



Crossmember RM42

Designed for use with all beams.



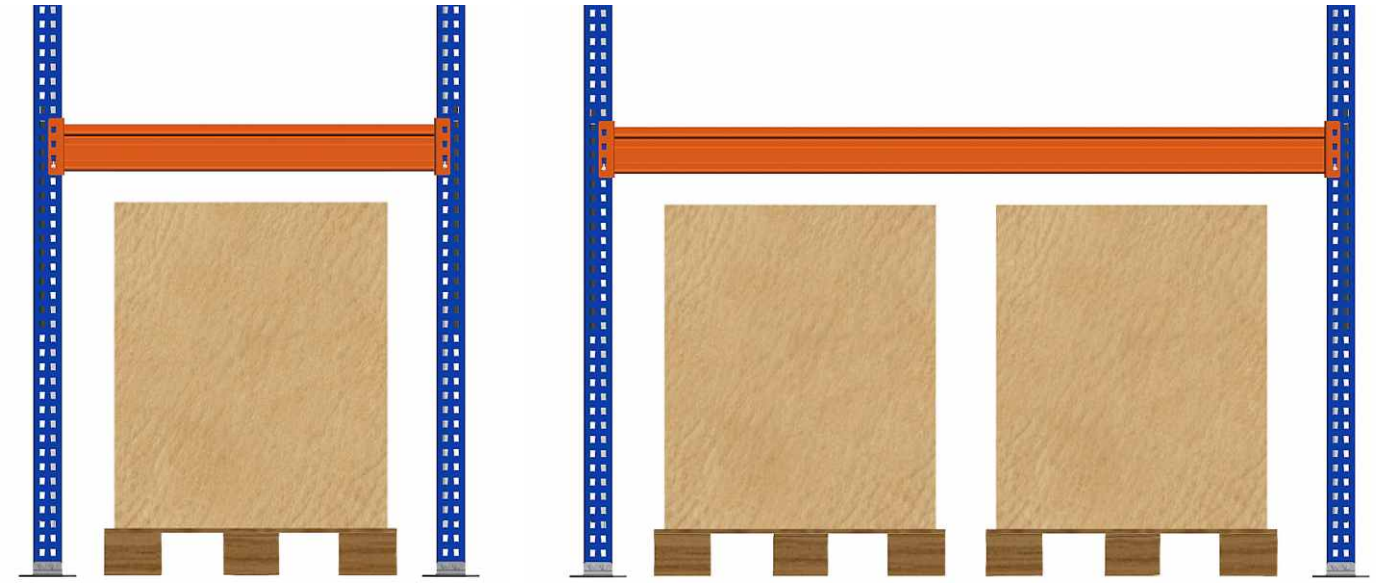
Aplications

The range of standard beams allows the storage at floor level of pallet loads.

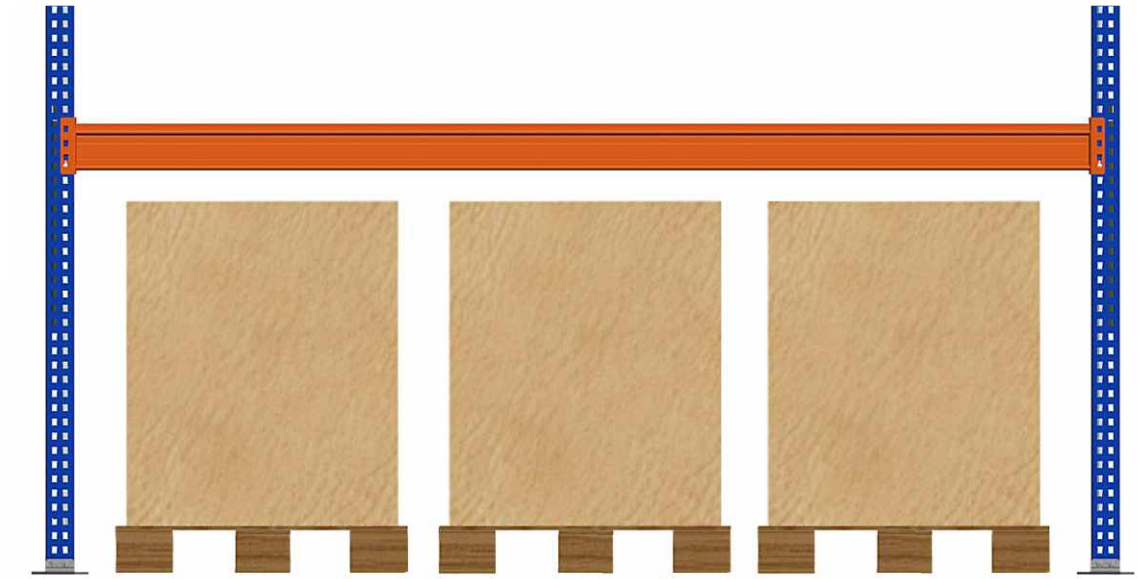
Storage of pallet loads at floor level:

	Lengths of standard beams (mm.)										
Dimensions of pallet (mm)	**890**	**1070**	**1250**	**1425**	**1605**	**1785**	**1960**	**2140**	**2315**	**2500**	**2675**
800x1200[(1)]	1 pallet	1 pallet	1 pallet	1 pallet	1 pallet	2 pallets	2 pallets	2 pallets	2 pallets	3 pallets	3 pallets
1000x1200[(2)]	-	1 pallet	1 pallet	1 pallet	1 pallet	1 pallet	1 pallet	2 pallets	2 pallets	2 pallets	2 pallets

(1) Storage front: 800 mm.
(2) Storage front: 1000 mm.

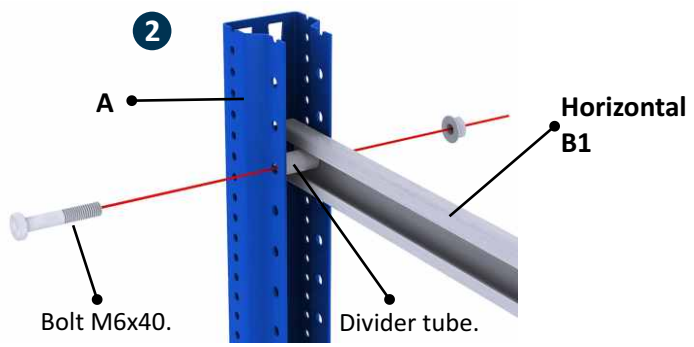


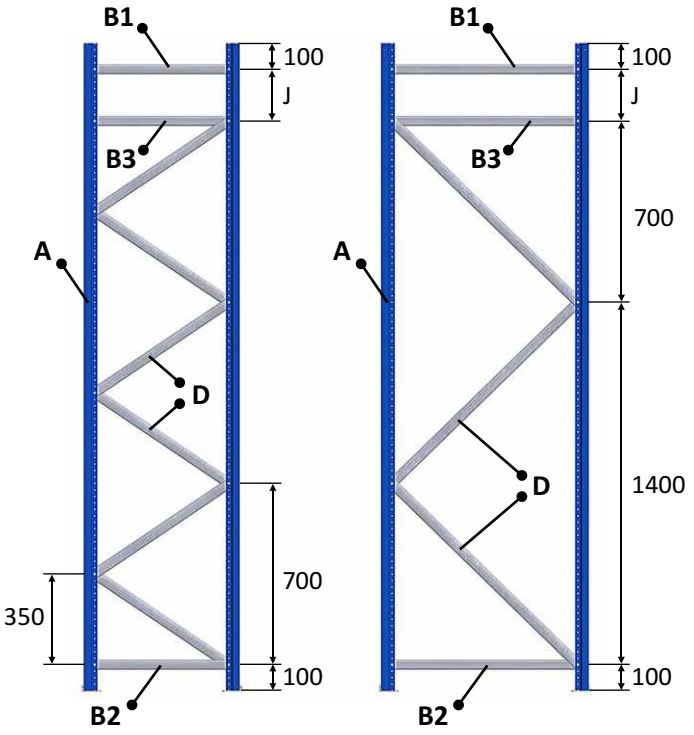
Examples of pallet storage at floor level with standard beams.



Frames assembly:

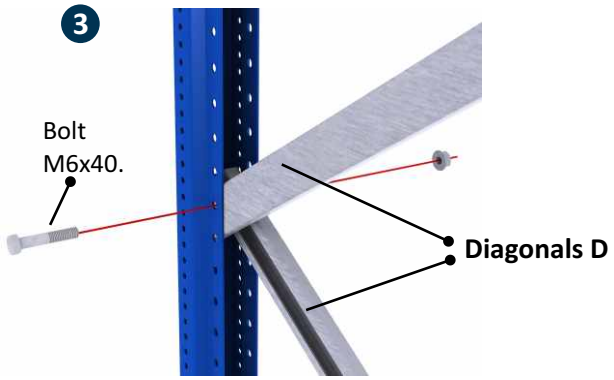
1. Place de upright columns (A) horizontal and parallel to each other.
2. Fix the top horizontal end (B1)to the upright columns.
3. Fix the low horizontal end (B2) and continue with the diagonals (D), finishing with the horizontal (B3) according to the following scheme:
   (Level "J" should be within 100 and 700 mm.)



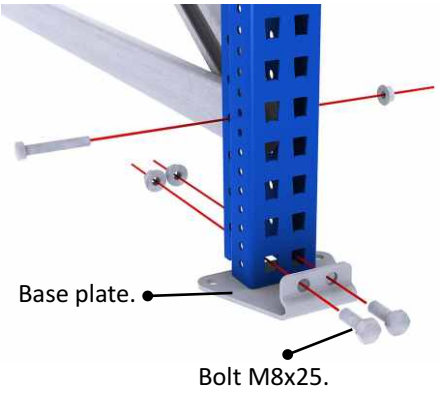


Frame B6615 Frame BM6615

Measurements in mm.

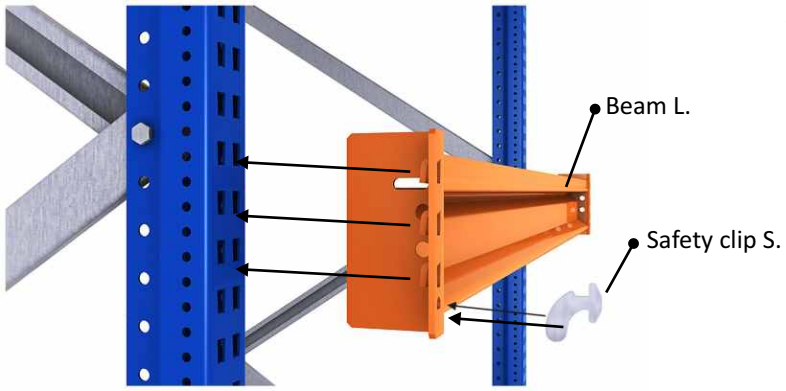


4. Fix the base plate to the upright columns (A).

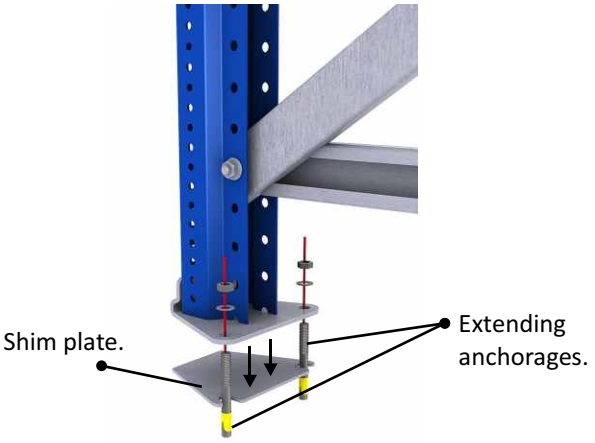


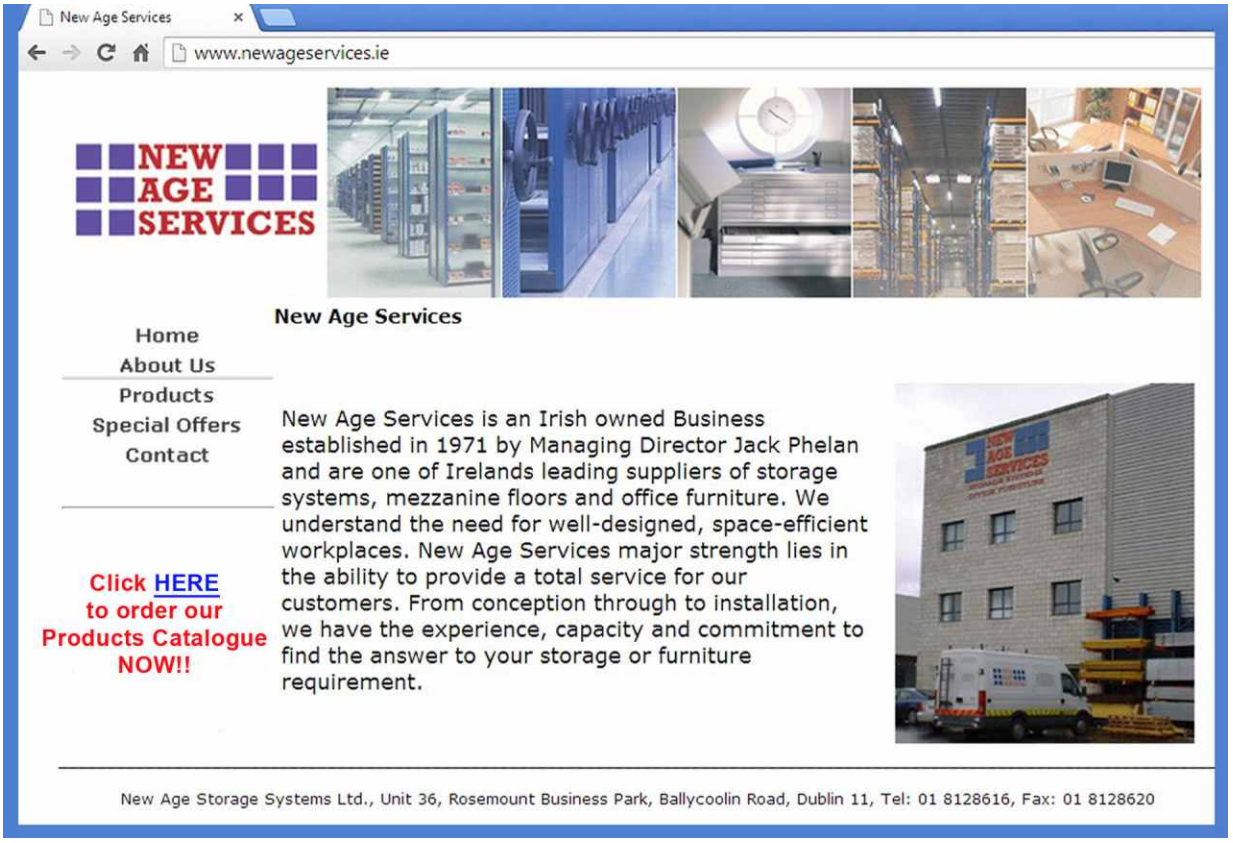
Beams assembly:

5. Fit the beams (L) of the different levels in the upright columns and secure them with the safety clip (S).



6. Place de structure in the desired place and arrange the shim plates under the base plates. Anchor the frames to the floor using extending anchorages.





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