



PATENT

Our patent allows Ironman to attach both interchangeable bearing plates to the column assuring the customer of savings such as:

- Loss of product
- Replacement costs
- Picking errors
- Storage costs

ENGINEERED TOP PLATES

All plate capacities are designed based on the bearing area of the plate in relation to each size of beam, not just on the total bearing area possible of the plate.

IE: $4 \times 6 \times 615\text{psi} = 14,760$

Ironman: $4 \times 4.5 \times 615\text{psi} = 11,070$

All top plates are designed for Ironman columns to specific specifications.

All plates are designed to allow for full Beam to Plate coverage as per code.

All plates are designed to specific capacities for each size, number of plies, and beam manufactures specific perpendicular compression strengths.

Our LTS line of columns has been designed to allow for not only interchangeability but standardized parts throughout affording you the ability to stock the least amount of product yet always retaining adequate stock.

We offer custom plates for any application as well.

BASE PLATES

Ironman offers interchangeable base plates with the LTS (P) columns as well as a standard $8" \times 8" \times 1/2"$ plates for all our high capacity columns.

This allows the designer to vary the sizes of footings for each point load by using smaller footings with larger base plates. The designer can do this conversely as well. No other manufacturer offers this as a standard variable.

POSTS

Don't be fooled by claims that a column can offer lateral restraint of any real value.

Your column must receive restraint from beam and the beam by floor system (i.e. bridging).

The beams must be restrained by the floor system because eccentric loading reduces column capacity.

Ironman Columns offer the greatest capacities compared to price of any manufacture.

Ironman columns have the screw assembly welded to the tubing which makes the post more rigid thus increasing its capacity due to engineering principles.

All post designs have been destructively tested for federal certifications at the U of A, U of C and CFER labs, as well as theoretically engineered to ensure that our customers safety is ensured.

CUSTOM POSTS

Ironman offers our custom column and plate configurations cheaper than any other manufacturer.

CUSTOM STEEL PODUCTS

Ironman, with its full fabrication and processing capabilities can also affordably supply steel beams and custom hangers to suit any need as well as engineered roof top anchors.

SINGLE BOLT ADJUSTMENT

Ironman has a single bolt adjusting screw which is obviously a great idea because all other manufactures are now utilizing this method.

This allows for the knowledge that the single bolt carries all the weight. Other two bolt designs retain the possibility of uneven weight distribution because they are adjusted independently. This is the reason that the Alberta Government outlawed the doubling up of standard 8,000 lb teleposts.