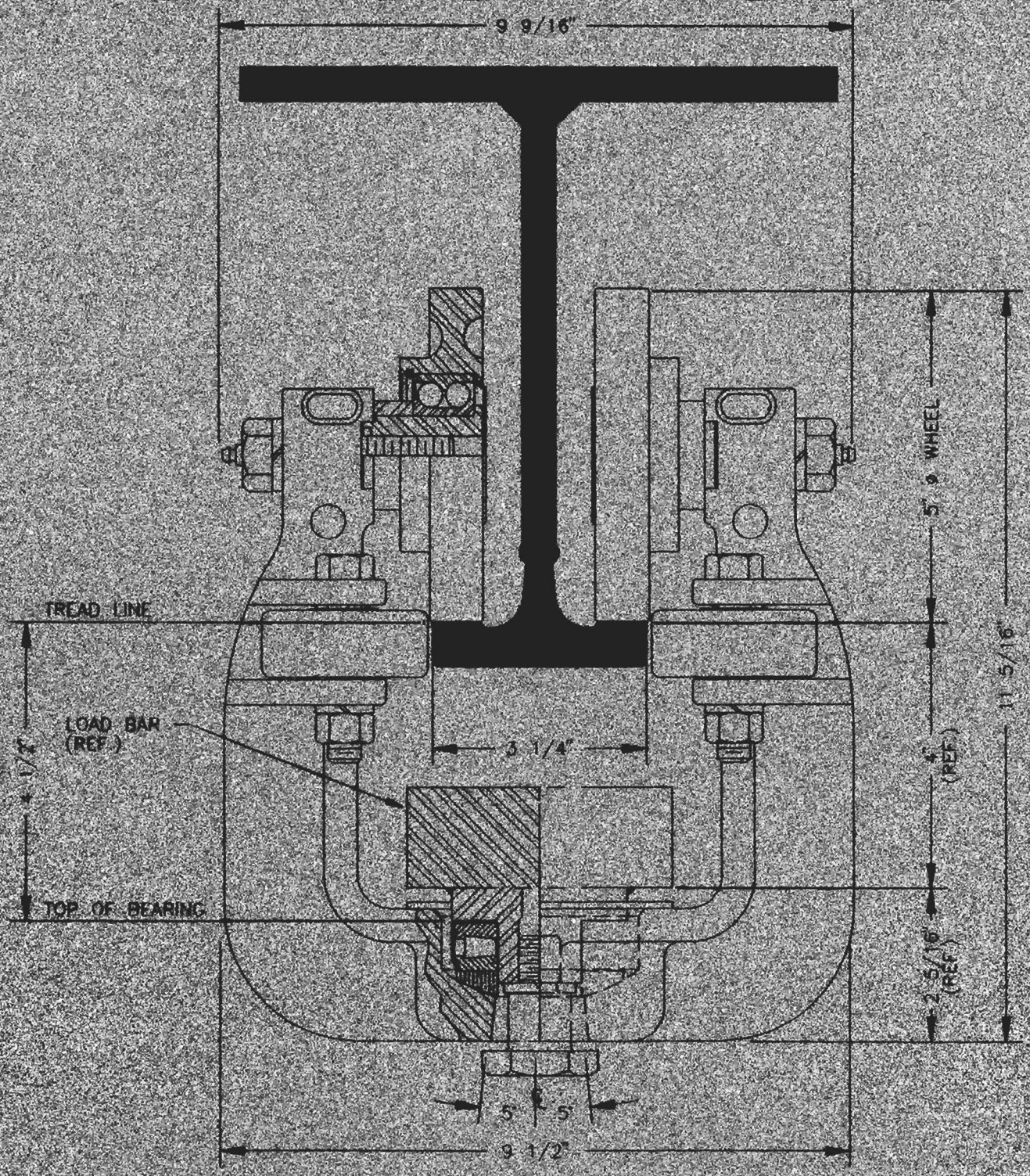
Building The Perfect Beast



TC/AMERICAN

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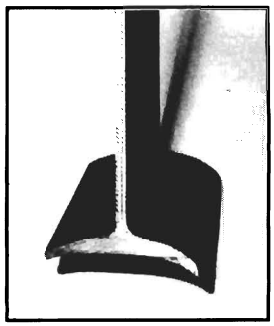
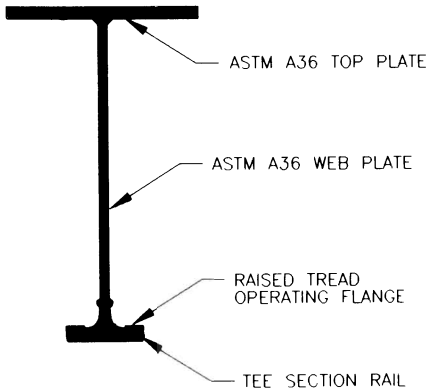
Time after time, year after year, we've built "the perfect beast of burden" -- the best overhead rail/trolley system for moving all kinds of material in all kinds of ways.

We discovered years ago that conventional I-beam systems have a lot of shortcomings. Solving those problems led to our TC/American patented track system-- the one to trust for dependable workhorse performance day in, day out.

Every TC/American track and trolley system offers complete design flexibility. You can move loads easily throughout your plant in precisely the patterns you choose. And because it's engineered with standard components wherever possible, this superior system can also cut installation costs. But most important, it delivers smoother performance, longer, with less maintenance. Check the charts on these pages for a point-by-point comparison of how TC/American outperforms any system using structural I-beam tracks.

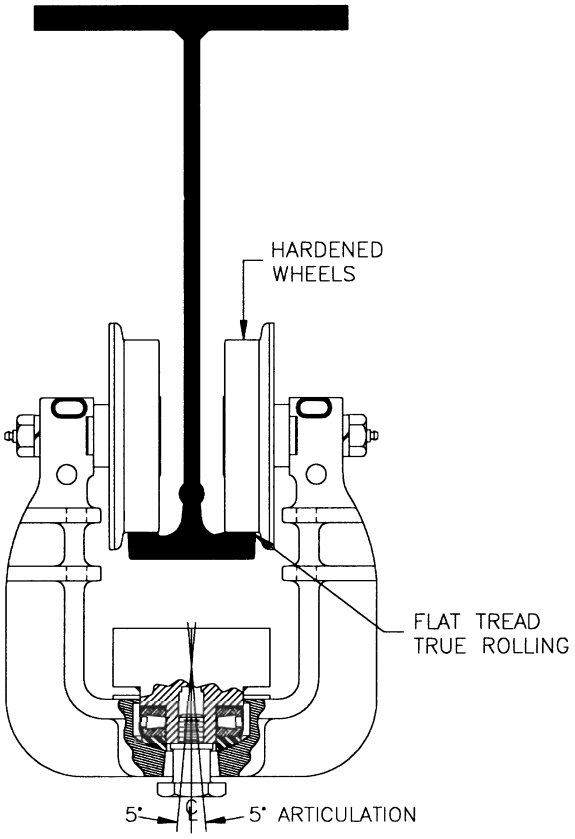


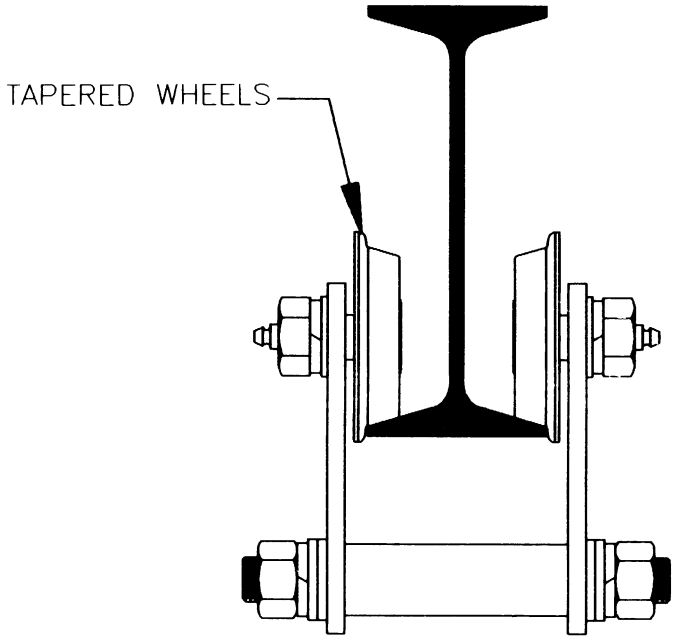
FAILED I-BEAM



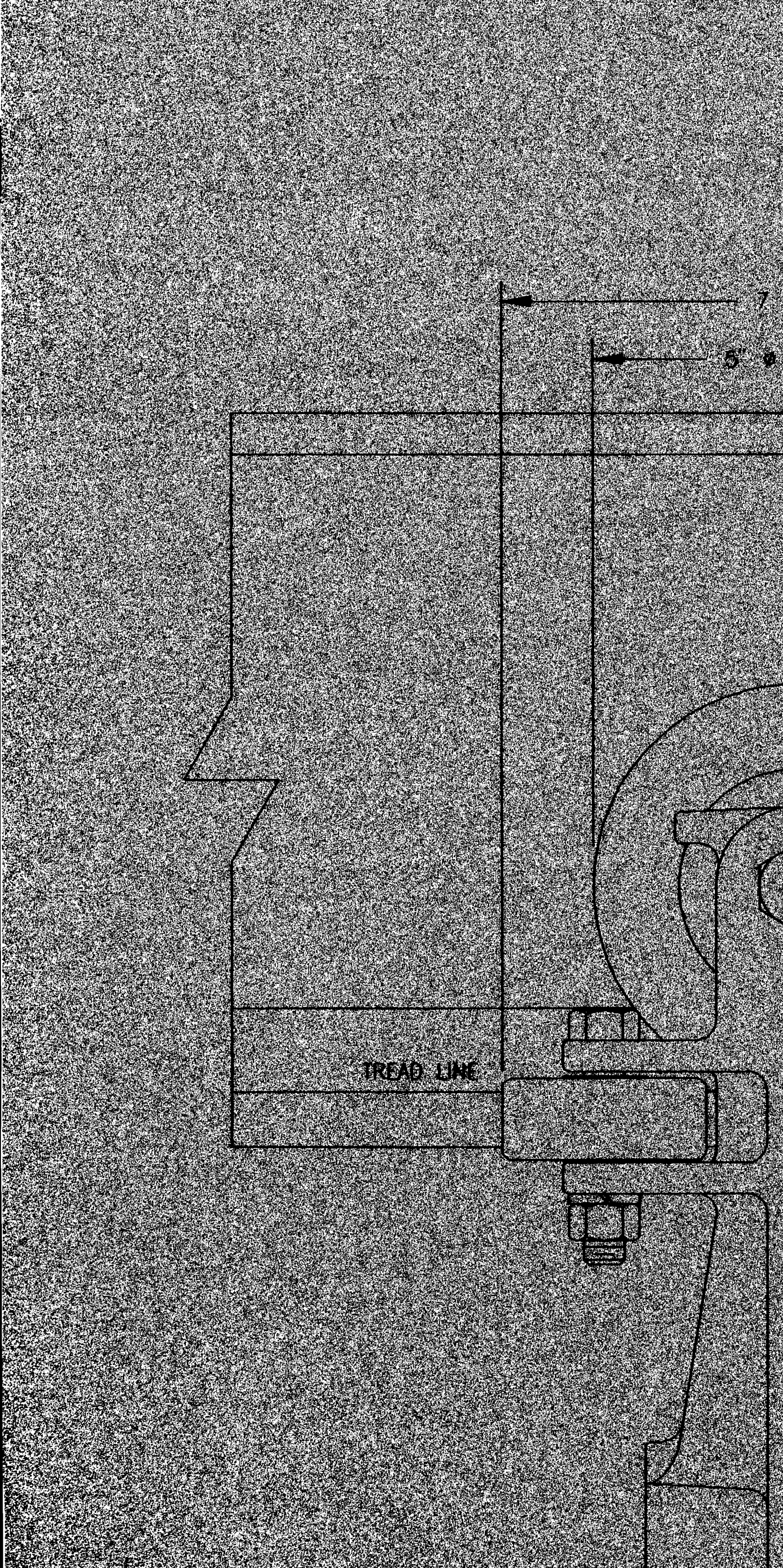
FEATURE	TC/AMERICAN TRACK	I-BEAM	TC/AMERICAN SYSTEM BENEFIT
Hardness	TC/American Tee section is a specially rolled, high carbon-manganese alloy steel with a 225 Brinell hardness and 125,000 ultimate tensile strength.	A-36 mild steel, 130 Brinell hardness and 60,000 ultimate psi tensile strength.	Harder rail gives better wear resistance and easier rolling under heavy loads.
Tread design	Flat tread operating flange.	Tapered flanges.	Flat tread allows true rolling – tapered tread has slipping and friction.
Tread width	Constant tread width for all depth of track.	Varies with beam size.	Allows standardization of trolleys. Track depth and weight can vary to accommodate larger span. Size of structural beam is determined by longest span.
Manufacturing tolerances	Close manufacturing tolerance – beams are cambered and straightened for uniformity in regard to: • Web to flange perpendicularity. • Sweep • Beam Twist • Beam Depth	Mill tolerances only – less controlled.	Uniformity creates better operation – less component wear – reduced installation time.
Availability	Wide selection of sizes – computer designed for optimum section modulus.	Size limited to mill shapes.	Most economical size for given loading condition; typically 25% plus weight savings.

T/C AMERICAN VS I-BEAM





FEATURE	TC/AMERICAN TROLLEY	RIGID TROLLEY	TC/AMERICAN SYSTEM BENEFIT
Wheel tread	Flat tread – true rolling.	Tapered tread – partial sliding and friction.	Easier operation. Easier rolling. Less wheel wear. Less track wear. Longer track life.
Wheel hardness	425 Brinell.	230 Brinell.	Longer wheel life. Easier rolling. Larger wheel loads. Longer wheel life.
Wheel load equalization	Articulated – uniform wheel loads.	Rigid or semi-rigid – unequal wheel loads.	Easier rolling. Longer wheel life.
Loadbar fittings	Various engineered connections.	One standard connection.	More adaptable to various type loads.


7
5"
TREAD LINE