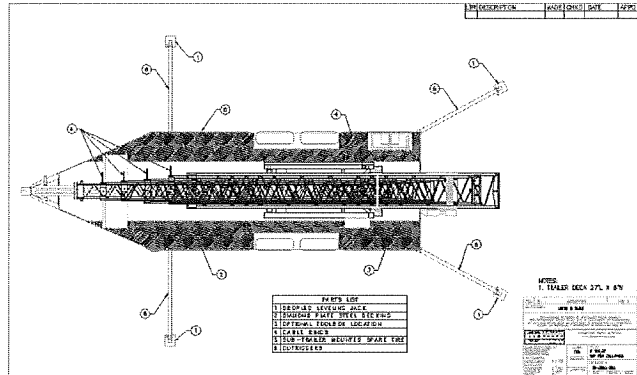
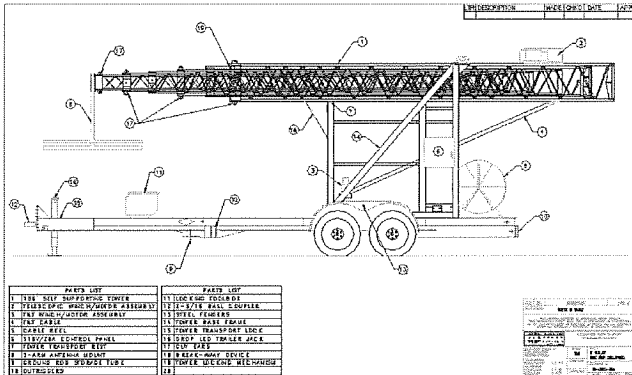


ITS MODEL IT-106/27

- **106' Self-Supporting, Fully Automated Telescopic Tower System ~ No Guy Wires Required**
- **550 lb. Top Load & Tilt Capacity**
- **Direct Drive Tower Operating System ~ No Belts & No Chains**
- **Greatest Self-Supporting Antenna Load Capacity of Any Comparable Tower System**
- **Extra-Heavy Duty, Primary Road Drawbar Trailer Configuration; $\pm 11'L \times 8'0"W \times 6'6"H$ Payload Area**
- **Gross Vehicle Weight Rating (GVWR) with 17,000 lb. Capacity ~ $\pm 6,000$ lb Payload Capacity**



Summary: ITS Model IT-106/27

This model designates an extra-heavy duty trailer and tower system designed to transport its integrated payload and support at site, approximately **6,000 lbs** of ITS and/or customer-supplied equipment. As designed, the trailer's skeletal frame is engineered with a minimum factor of safety of 2:1, with 4:1 in critical load areas. A six (6) section ~ 21'0" each, lattice steel telescopic tower is designed to transport horizontally over the trailer's forward deck, automatically tilt by means of a heavy-duty, hydraulic cylinder and raise to its full extended height, utilizing a single stage, minimum 1 HP, electric winch motor/gearbox assembly. **The IT-106/27 Portable Tower System is capable of being deployed, elevated to its full-extended height, and secured by a mechanical tower lock mechanism by one person in under 30 minutes.** For added security and stability during poor weather conditions, excessive loading, and long-term deployment, or to minimize structure deflection for critical applications, this self-supporting tower may be further protected by the use of an optional guy cable and ground anchor system.

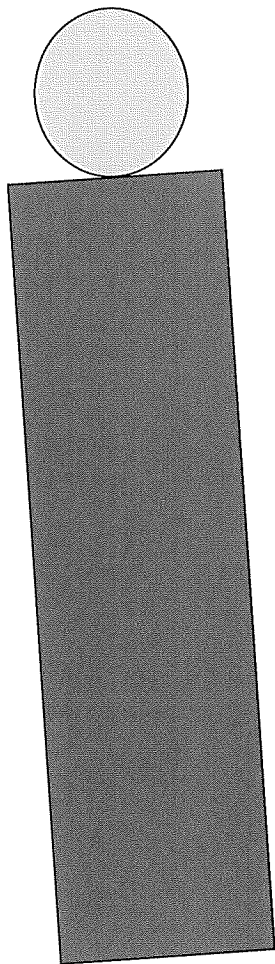
Trailer: IT Series

- GVWR 17,000 lbs.; GAWR 8,000 lbs. Each Axle
- W8@21 Main Beams and C5@6.7 Perimeter Steel
- Tandem 8,000 lb. HD Dexter Axles; 8,000 lb. Springs
- $\pm 6,000$ lb. Customer Payload Capacity
- $\pm 11'10"$ Transport Height; $\pm 31'6"$ Transport Length
- Trailer Dimensions: $\pm 27'L \times 8'0"W$ Platform
- 1/8" Steel Plate Decking, Fenders & Running Boards
- 2 5/16" Adjustable Ball Coupler with 5/16" P-70 Chains
- Electric Brakes on All Wheels; LT235/85R16 LRE Tires
- Area Available for Client Payload: $\pm 11'L \times 8'0"W \times 6'6"H$
- $\pm 25"$ Loaded Deck Height; $\pm 18'0"$ Platform & 9'0" Drawbar
- Emergency Break-Away Device; ICC/DOT Sealed Beam Lights
- 15,000 lb. Static Capacity Drop Leg Trailer Jack
- Four (4) Heavy-Duty Retractable Stabilizing Outriggers
- Full Sized Spare with 16" 8-Hole Conventional Wheel
- Grounding Lugs; Lashing Rings; SAE Universal Truck Plug
- Locking Storage Box; Tandem Teardrop Steel Fenders
- DOT Safety Decals; Reflectors; Multiple Bubble Levels
- ITS Gray Paint with Galvanized Deck Panels and Undercoating
- See Accessory Table for a Partial List of ITS Accessories

Tower: IT-106B (Direct Drive Operating System ~ No Belts, No Chains)

- $\pm 106'$ Self-Supporting/Guy Capable Steel Tower Structure
- 550 lb. Tower Top Load and Tilt Capacity
- Full Automation; ~ Multiple Limit Switch Controls
- Six (6) 21' Each, Hot Dipped Galvanized Lattice Sections
- 1/4" & 5/16" 7x19 Aircraft Quality Galvanized Cables
- Electronic Safety Features, Motor Protection Devices
- Solid State Control Circuitry; Locking NEMA Enclosure
- Min. 1 HP Motor/Gearbox Assemblies; All Weather Rated
- Hydraulic Tilt Assembly with Integrated Safety Features
- Heavy-Duty Galvanized Tower Base Support Structure
- Direct Drive Telescopic Winch/Motor Assembly ~ No Belts/Chains
- Five (5) Coax Rings with Minimum 12' Power Cable
- Positive Pull Down and Redundant Tower Cabling Systems
- 115 Volt/ 20 Amp/60 Hz Power Requirement (220V50Hz Available)
- Extended Tower Locking Mechanism; Tower Transport Locks
- Optional 3-Arm Adjustable Antenna Mount – "T" Bar Style
- Optional 3 point/3 Level Guy Kit with Ground Anchors & Hardware
- Optional Lightning Protection Package
- Optional Aviation Obstruction Lighting; Halogen Work Lights
- Power Generation, Grounding and More Options Available

**ITS IT-106/27
Mobile Tower**



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Antenna 2
100' Mobile Comm Tower
Lat: 32° 09' 53"
Lon: -96° 38' 29"
Alt: 580'

FN: 0858-EX-ST-2006
Antenna 2
Mobile Trailer 100' communication tower equipped with a
wideband (18 to 40 GHz) Standard Gain Horn.
Signal Source is a standard signal generator.

Not to Scale