



# SRS-MS Series Mobile Mast with Shelter

## Summary ~ ITS SRS-MS Series ~ Multi-Terrain Mobile Mast System with Integrated Shelter

- A multi-terrain drawbar, gooseneck or 5<sup>th</sup> wheel trailer with a standard 20,000-28,000lb (9,070-12,698kg) capacity GVWR ~ to ±8,000lbs (3,628kg) of available deck top payload; tandem 10,000-12,000lb (4,535-5,442kg) capacity each heavy-duty axles, telescopic outrigger stabilizing system, 12V/24V arctic-desert wiring with LED lighting package, all-wheel electric, hydraulic or air brake systems; optional integrated tie-down and lifting provisions; “D” ring-style outrigger lashing rings, leveling devices, storage containment; impact and weather resistant black polyuria trailer coating
- Heavy-duty, super heavy-duty or ultra-heavy-duty *locking telescopic pneumatic mast* with elevations to ±100’0” (30m) AGL, self-supporting & guy capable, rugged construction, high-strength heat treated aluminum tubes & collars, low-friction synthetic bearings, shock absorbing bumpers; includes mast base plate and external brackets; *payload capacity to 1,200lbs (544kg) at 80’0” (24.4m) & to 450lbs (204kg) at 100’0” AGL*
- Heavy-duty, 120/220VAC/50-60Hz *limit switch controlled electric winch or tandem hydraulic cylinder tilt assembly*, integrated safety features; trailer-level NEMA 4 locking enclosure houses mast operating controls – tilt and telescoping functions; onboard compressor system with convenient external power switch
- ±8’0”-16’0” (2.44-4.88m)L x 8’0” (2.44m)W x 8’0”-9’6” (2.44-2.9m)H (OD) ~ environmentally controlled, light-weight steel communications equipment and personnel shelter ~ skid-mounted (6”/15.2cm channel skid) with fork pockets, reinforcement features for additional transport protection, weather protecting roof membrane, complete electrical, HVAC, interior/exterior lighting, shore/generator power entry provision, halo grounding, alarm system, emergency lighting, transfer switch and more

## ITS SRS-MS Series ~ General Specifications

The typical **SRS-MS Series** Mobile Mast ranges in length from 33’0”- 41’0” (10-12.5m), is 8’0” (2.44m) wide and ±12’6” (3.84m) high. The trailer has a single platform deck-over design, is constructed of solid steel with heavy-duty main and shelter-skid reinforced perimeter frames. 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. When deployed, two deck forward telescopic steel tube outriggers, approximately 6’7” (2m) each, coupled with two (2) rear bumper extending outriggers of equal length support and stabilize the mobile unit with the use of detachable minimum 12,000lb (5,442kg) static capacity each leveling jacks.

A multi-section heavy-duty, super heavy-duty or ultra-heavy-duty pneumatic locking mast is designed to transport horizontally over the trailer’s forward platform, automatically tilt by means of an HD electric cable winch or tandem hydraulic cylinder assembly and extend to its full height utilizing an onboard compressor. The **SRS-MS Series** is capable of being deployed, elevated to its full-extended height and secured by individual mast-section locks by one person in under 30 minutes.

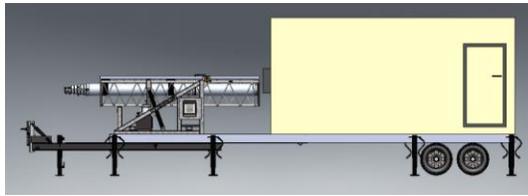
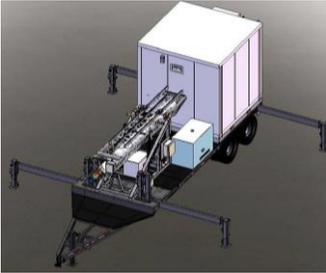
## Pneumatic Mast Selection ~ Will-Burt Models to 100’0” (30m)

The primary benefits and features of the Will-Burt pneumatic mast includes:

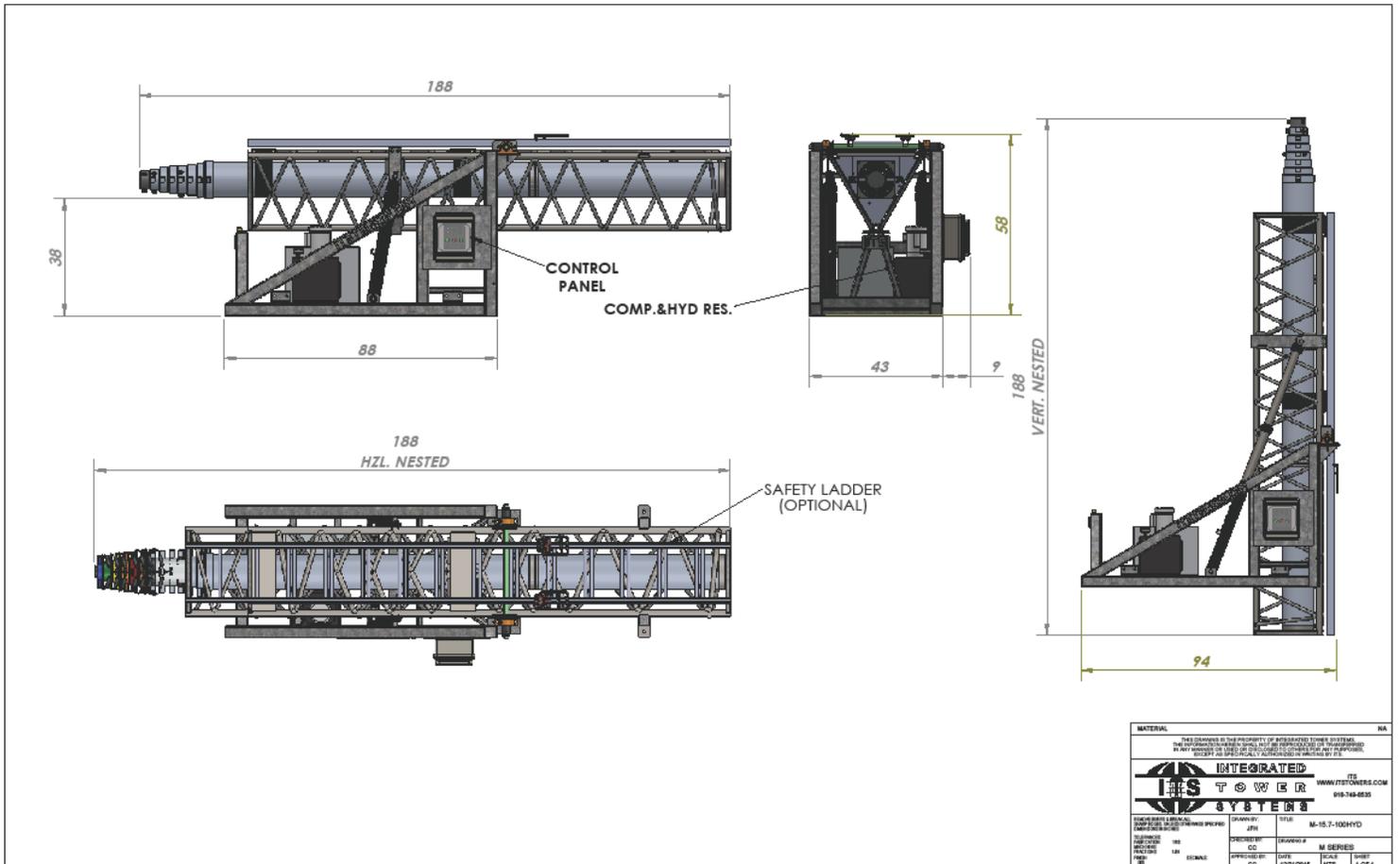
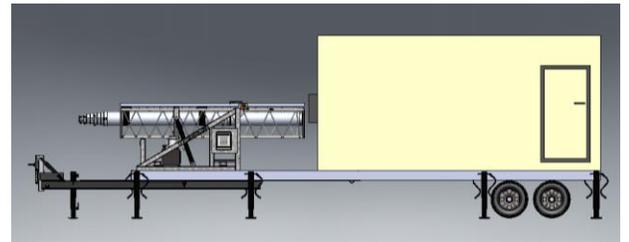
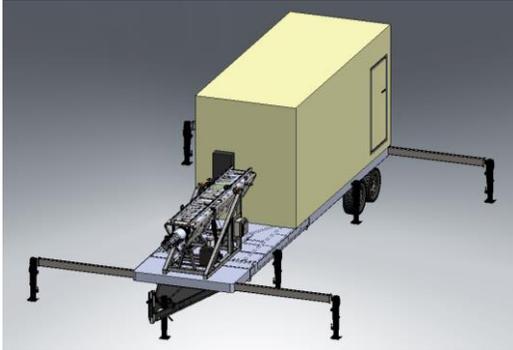
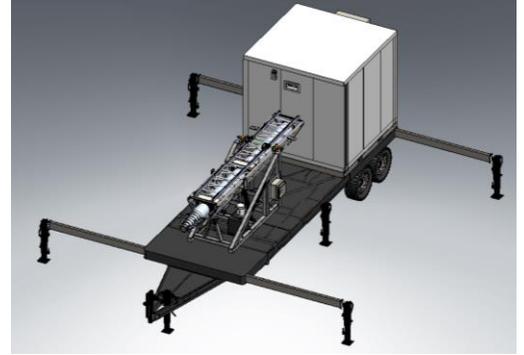
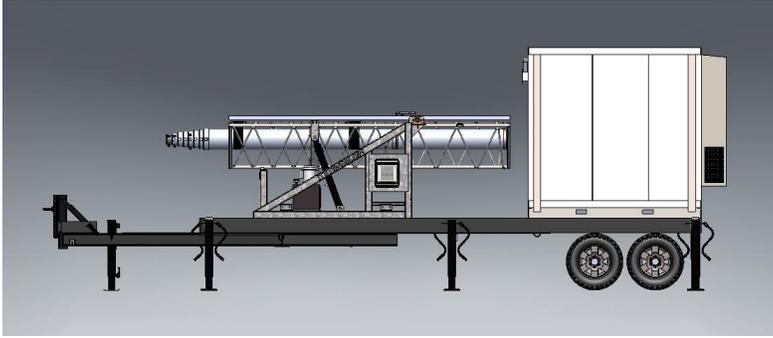
- » Locking collars allow the mast to remain extended indefinitely without air pressure
- » Rugged construction of high strength heat-treated aluminum tubes and collars with low friction synthetic bearings
- » Two full-length external keys on sections; collars have matching keyways that maintain directional azimuth
- » The bumpers are designed to reduce shock on extension and retraction
- » All exterior aluminum surfaces are anodized & sealed for long life; fasteners are plated steel for corrosion resistance
- » Payload capacity for select masts: to 1,200lbs (544kg) at 80’0” (24.4m) and 450lbs (204kg) at 100’0” (30m)
- » ITS secures the pneumatic mast within a heavy-duty lattice steel exoskeleton (“truss”) that protects the mast during the tilt function and offers added strength and stability to the extended mast structure
- » The truss-enclosed mast is secured to a square tube steel support structure that provides maximum protection and minimal deflection/vibration during primary and multi-terrain transport as well as during mast operation

# REPRESENTATIVE SRS-MS SERIES MOBILE MAST

(Shown with Optional Features/Accessories)

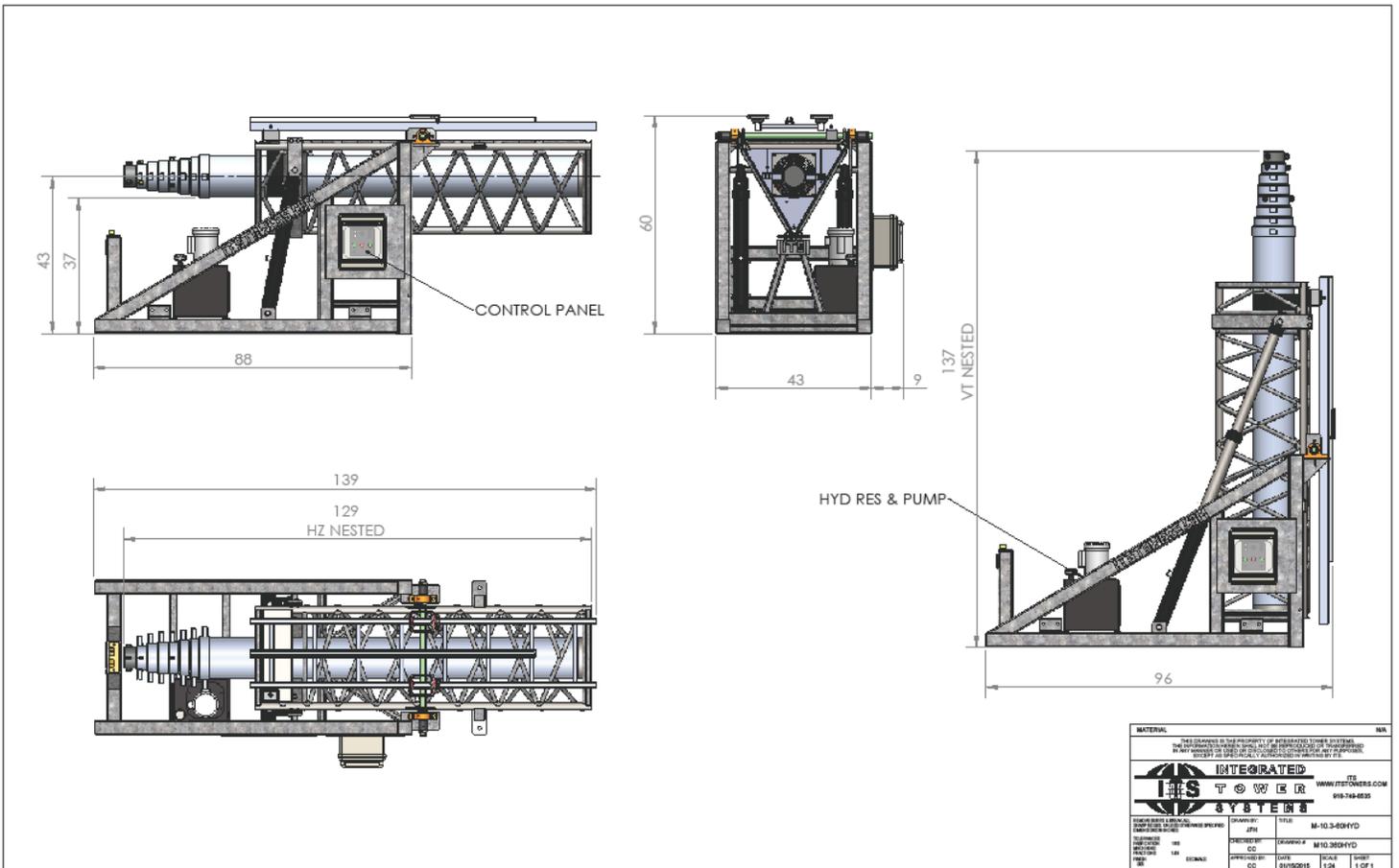
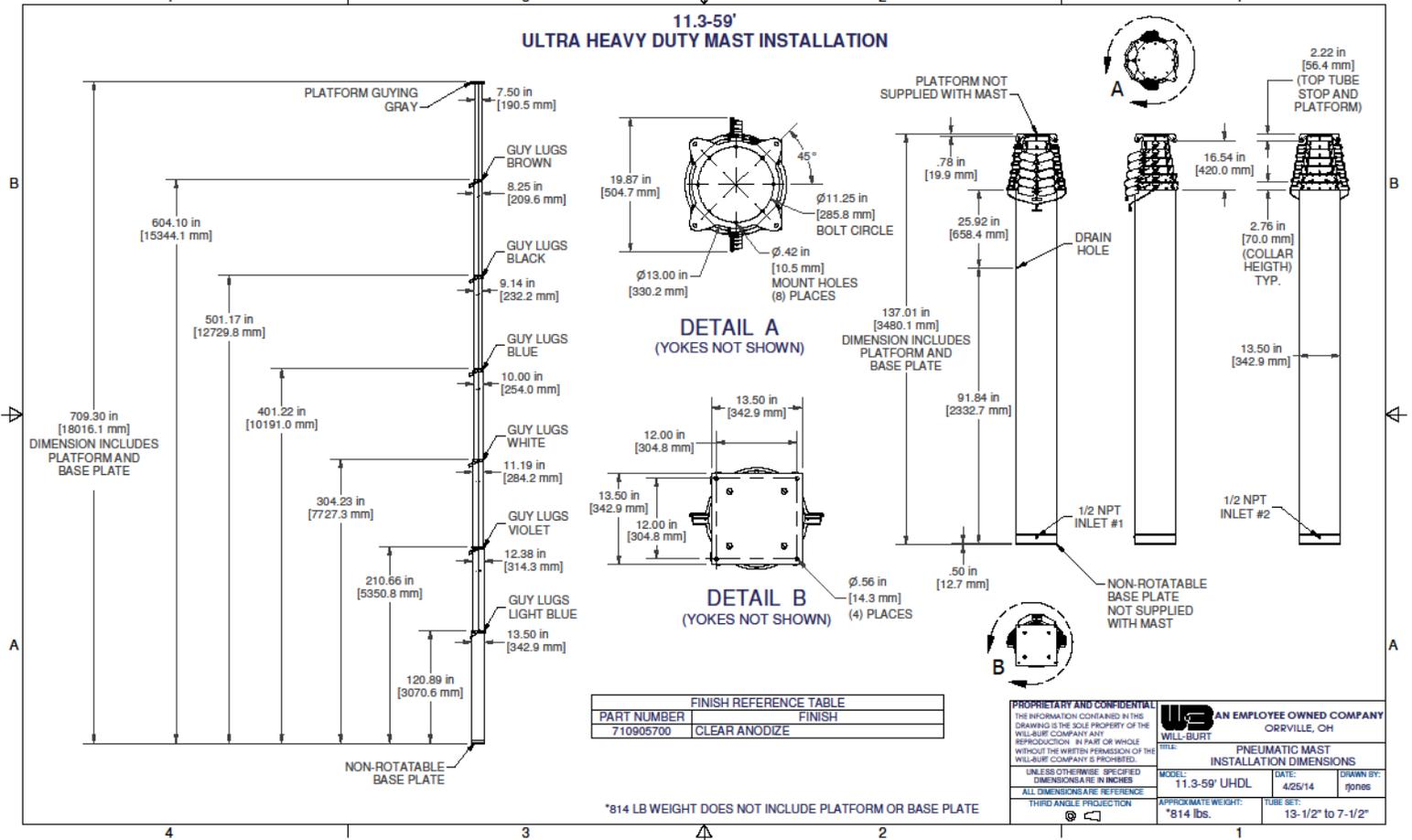


REPRESENTATIVE SRS-MS SERIES MOBILE MAST

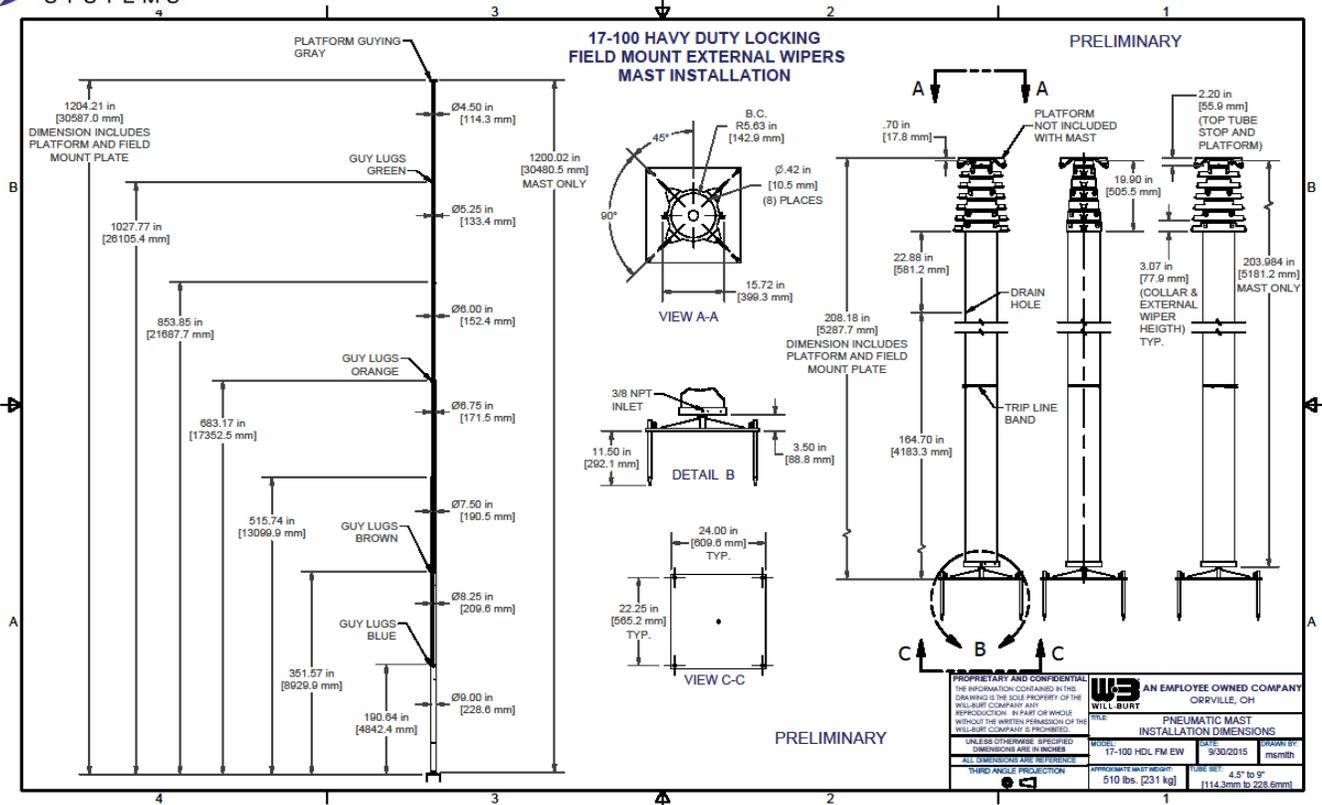


# REPRESENTATIVE SRS-MS SERIES MOBILE MAST

## 11.3-59' ULTRA HEAVY DUTY MAST INSTALLATION



**REPRESENTATIVE SRS-MS SERIES MOBILE MAST**



**REPRESENTATIVE ITS COMMUNICATIONS EQUIPMENT SHELTER**

