



## COW Series Mobile Mast

### Summary ~ ITS COW Series ~ Multi-purpose Mobile Mast System

- A multi-purpose drawbar trailer with a standard 15,000lb (6,803kg) capacity GVWR ~ to 6,000lbs (2,721kg) of available transport payload capacity; tandem 7,000lb (3,175kg) capacity each, heavy-duty axles, all-wheel electric or optional hydraulic/surge “free-backing” brakes, telescopic outrigger stabilizing system, 12V/24V arctic/desert wiring and LED lighting package, adjustable height 2-5/16” ball coupler or pintle; “D-ring” style integrated tie down and lifting provisions, leveling devices, storage containment, impact and weather resistant black polyurea trailer coating
- Standard mast elevations include  $\pm 32'0''$  (9.7m),  $\pm 44'0''$  (13.4m) and  $\pm 62'0''$  (18.8m) AGL heavy-duty, super heavy-duty, and ultra-heavy-duty locking telescopic pneumatic masts, self-supporting and 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; standard payloads from 150lbs to 450lbs (68kg–204kg) capacity ~ customized to 1,200lbs (544kg)
- A NEMA 4 locking enclosure houses mast operating controls, onboard compressor system with convenient external power switch, optional elevated platform offers safe and easy access to nested mast top payload with optional elevated mast controls
- $\pm 8'0''$  (2.44m)L x  $8'0''$  (2.44m)W x  $8'0''$  (2.44m)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 COW Series ~ General Specifications

The standard COW Series trailer is approximately 22'6” (6.9m) long, 8'0” (2.44m) wide rear deck/ $\pm 5'0$  (1.5m) wide drawbar deck, has an overall transport length of approximately 24'0” (7.3m) (includes HVAC overhang) and a transport height of approximately 12'6” (3.8m). The trailer has a 2-platform deck-over design –  $\pm 12'6''$  (3.8m)L rear shelter platform and  $\pm 10'0''$  (3m)L drawbar, 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 3'6” (1.2m) each, coupled with two (2) rear bumper extending outriggers support and stabilize the mobile unit with the use of detachable minimum 8,000lb (3,628kg) static capacity each leveling jacks. A multi-section heavy-duty pneumatic locking mast is designed to transport vertically and automatically extend to its full height utilizing an onboard compressor. The COW Series is capable of being deployed, elevated to full-height and secured by individual mast-section locks by one person in under 30 minutes

### Pneumatic Mast Selection ~ Will-Burt Models from 30'0” (9.1m) to 60'0” (18m)

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

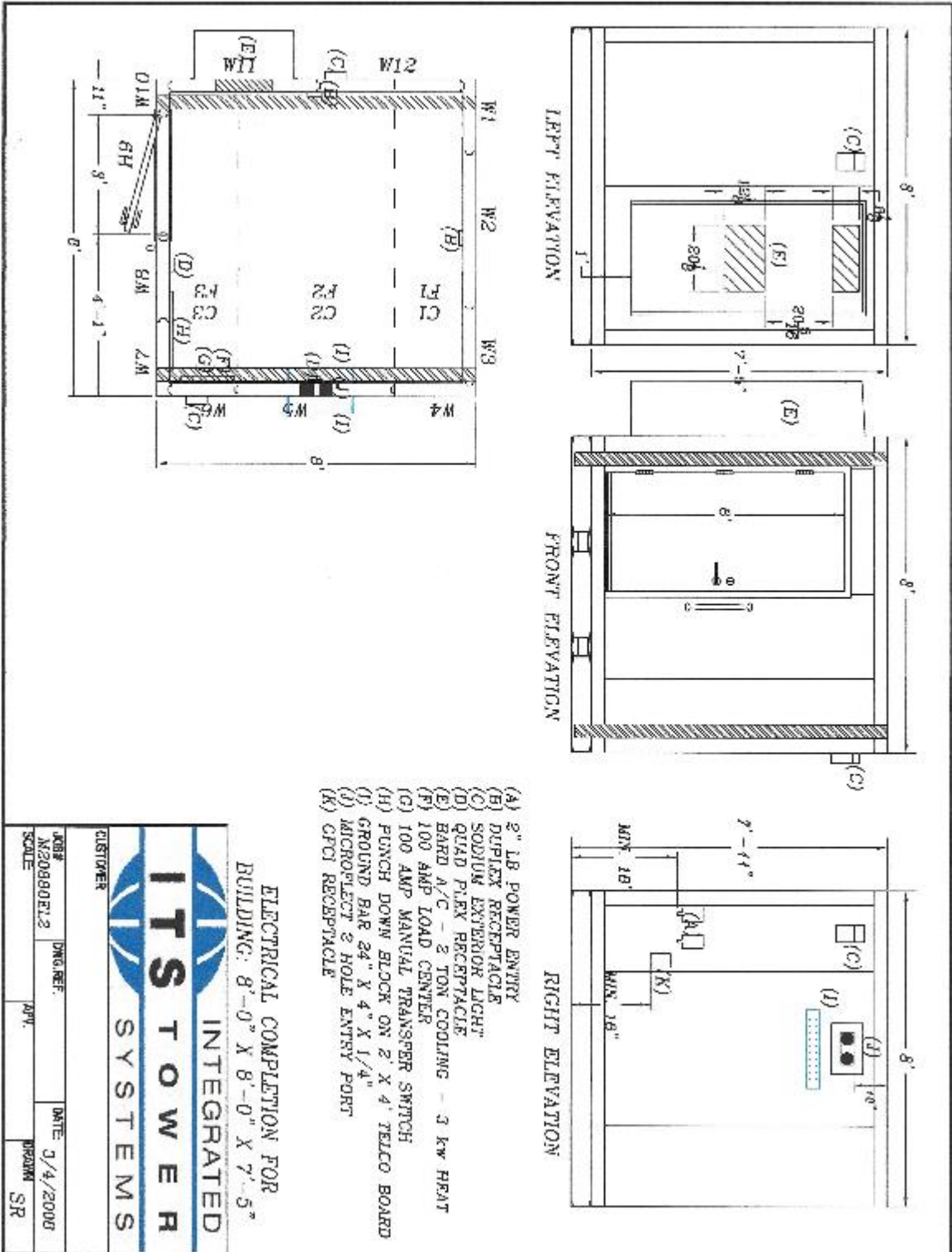
- » Locking collars allow the mast to remain extended indefinitely without air pressure
- » Rugged construction of high strength heat-treated aluminum tubes and collars with low friction synthetic bearings
- » Two full-length external keys on sections; collars have matching keyways that maintain directional 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 of the most common models from 150lbs to 450lbs (68kg – 204kg); custom to 1,200lbs (544kg)
- » ITS secures the pneumatic mast to both the shelter wall and trailer platform using heavy-duty mounting plates and brackets
- » The COW Series may be configured with an optional mast-top access platform with elevated control panel or as standard, a “Yoke Snagger” used to engage and disengage each mast section locking collar

**REPRESENTATIVE COW SERIES MOBILE MAST**  
(Shown with Optional Features/Accessories ~ 60'HDL (18m Mast))



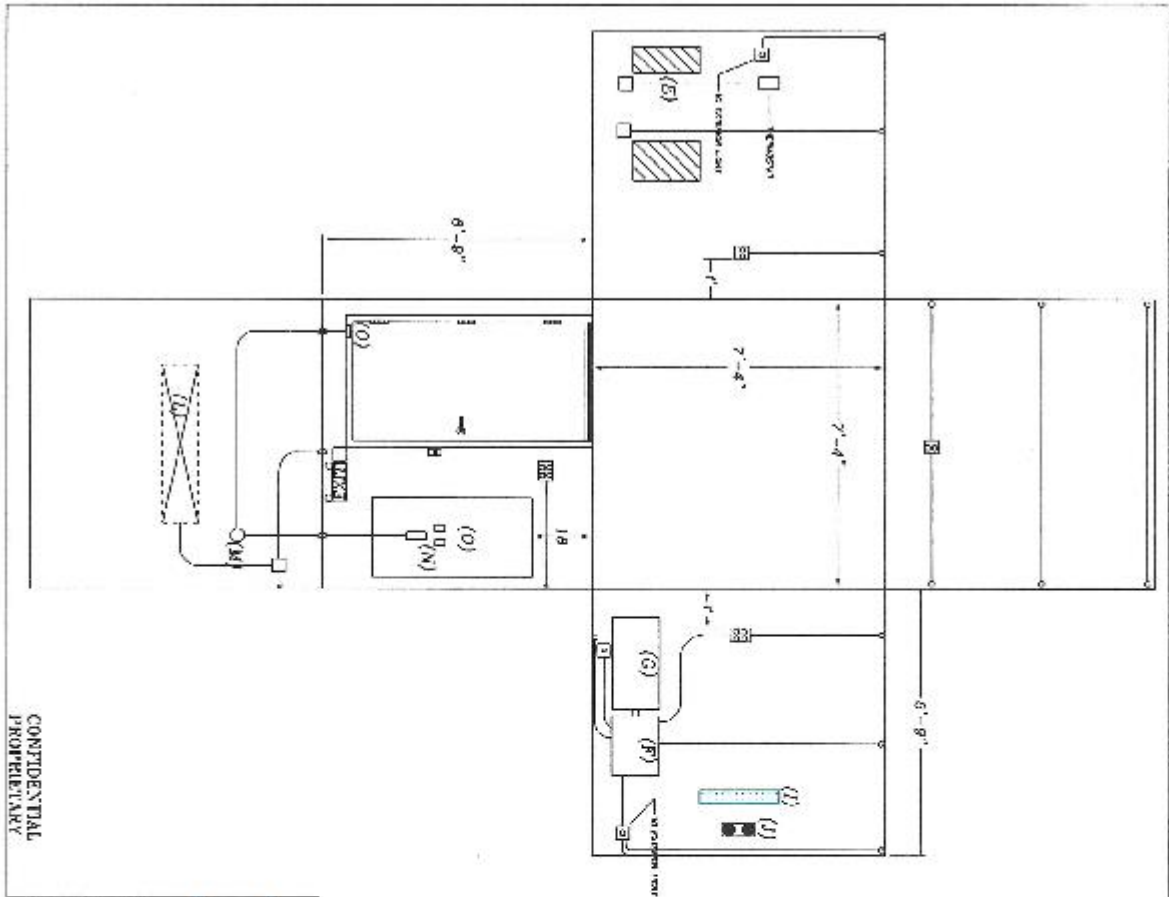
# REPRESENTATIVE COW SERIES MOBILE MAST

(Typical 8'-0" x 8'-0" Shelter)



**REPRESENTATIVE COW SERIES MOBILE MAST**

(Typical 8'0" x 8'0" Shelter)



CONFIDENTIAL  
 PROPRIETARY

- (E) BARD A/C - 2 TON COOLING - 3 kW HEAT
- (F) 100 AMP LOAD CENTER
- (G) 100 AMP MANUAL TRANSFER SWITCH
- (H) PUNCH DOWN BLOCK ON 2' X 4' TRUSS BEARD
- (I) CROUND BAR 24" X 4" X 1/4"
- (J) MICROFLECT & HOLE ENTRY PORT
- (K) 2 BULB FLUORESCENT LIGHT FIXTURE
- (L) SMOKE ALARM
- (M) HIGH/LOW TEMP SENSORS
- (N) DOOR CONTACT
- (O) LIGHT SWITCH
- (P) 4 X 4 BOX
- (Q) DUPLEX RECEPTACLE
- (R) QUAD PLEX RECEPTACLE

ELECT. PLAN

ELECTRICAL COMPLETION FOR  
 BUILDING: 8'-0" X 8'-0" X 7'-5"

INTEGRATED  
**ITS** TOWER  
 SYSTEMS

CUSTOMER

JOB#	DATE
M20808012	3/4/2008
SCALE	DRAWN
	SR

