SIGNED May Signed MIMC-TEA

DATE 16 Aug 96

# MULTIPLE SYSTEMS

MINIMUM REQUIREMENTS FOR THE HANDLING, STOWAGE, AND LASHING ABOARD SHIPS OF GROUND BASED SENSOR (GBS), AN/MPQ-64, MOUNTED ON A 1-1/2 TON, 2-WHEEL, M103 SERIES TRAILER, AND THE SHELTER/GENERATOR PALLET MOUNTED ON A 5-TON CARGO TRUCK. M923

	U.S. ARMY MATERIEL COMMAND DRAWING				
	PPROVED, U.S. ARMY MISSILE COMMAND		NAMZ	TECHNICIAN	ENGINEER
	Greasham M. Tope Sh	? ⁄		R. HAYNES	
	APPROVED BY DRDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND  4 Early  4 Early  4 Early  4 Early  4 Early  4 Early  5 Early  6 Early  7 Early  8 Earl	VALIDATION ENGINEERING DIVISION		TRANSPORTATION ENGINEERING DIVISION  4. J. S June 6	LOGISTICS ENGINEERING OFFICE
		JULY 1996			
	U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	CLASS	NOISIVIO	DRAWING	FILE
DO NOT SCALE		19	48	7309	GSE18MS4

PROJECT GSE 756-95

#### NOTES

#### GENERAL:

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AR 740-1.
- B. THIS DRAWING DEPICTS MINIMUM PROCEDURES APPLICABLE TO THE HANDLING, STOWAGE AND LASHING ABOARD SHIPS OF GROUND BASED SENSOR (GBS), AN/MPO-64, MOUNTED ON A 1-1/2 TON, 2-WHEEL, M103 SERIES TRAILER, AND THE SHELTER/GENERATOR PALLET MOUNTED ON A 5-TON CARGO TRUCK, M923.
- C. OTHER TYPES OF CARGO MAY BE STORED IN THE SAME HOLD OR TWEEN DECK WITH THE ITEMS SPECIFIED HEREIN.
- D. LADING DATA:

  GBS TRAILER DIMENSIONS - 14'-4-1/2" LONG BY 7'-1" WIDE

  BY 7'-11-1/2" HIGH.

  GROSS WEIGHT - 4,023 POUNDS (APPROX).

  CUBE - - 810 CU FT (APPROX).

SHELTER/GENERATOR PALLET TRUCK DIMENSIONS - - 28'-1" LONG 8'-1-1/2" WIGHE BY 11'-10-1/2" HIGH.
GROSS WEIGHT - - 31,921 POUNDS (APPROX).
CUBE - - - - - 2,710 CU FT (APPROX).

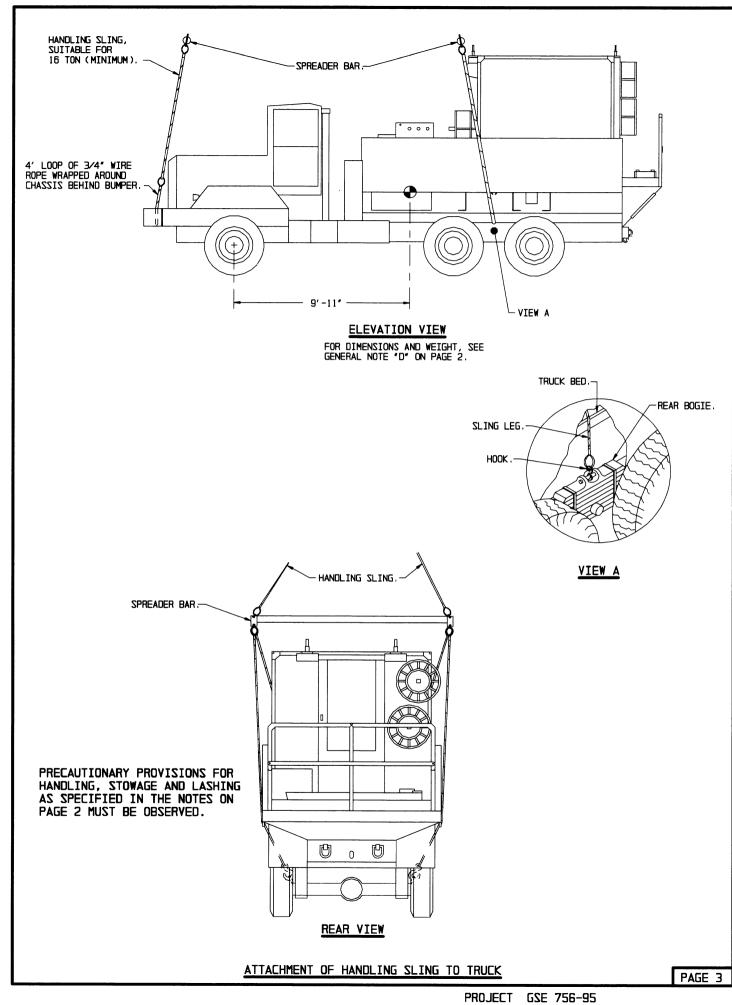
- E. CONVERSION TO METRIC EQUIVALENTS: DIMENSIONS WITHIN THIS DOCUMENT ARE EXPRESSED IN INCHES AND WEIGHTS ARE EXPRESSED IN POUNDS. WHEN NECESSARY, THE METRIC EQUIVALENTS MAY BE COMPUTED ON THE BASIS OF ONE INCH EQUALS 25.4 MM, AND ONE POUND EQUALS 0.45KG.
- F. THE PROCEDURES DEPICTED WITHIN THIS DRAWING HAVE BEEN PREPARED IN ACCORDANCE WITH MTMCTEA REFERENCE 95-55-22, MARINE LIFTING AND LASHING HANDBOOK, MARCH 1995.

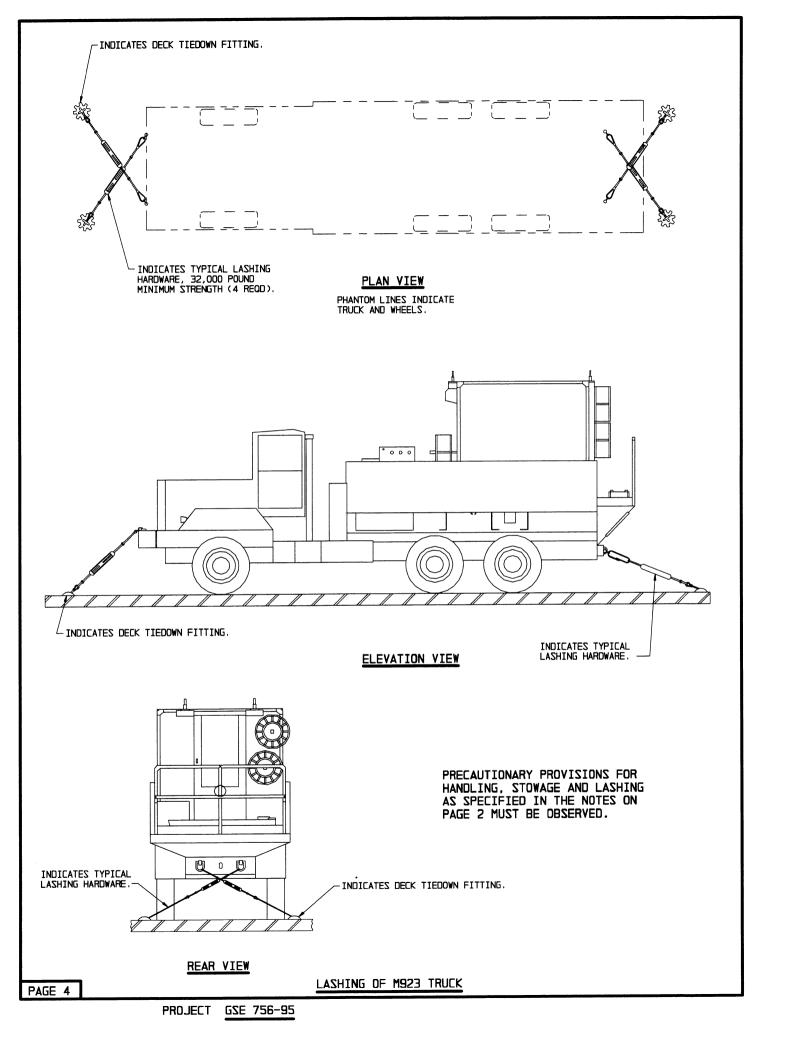
#### HANDLING:

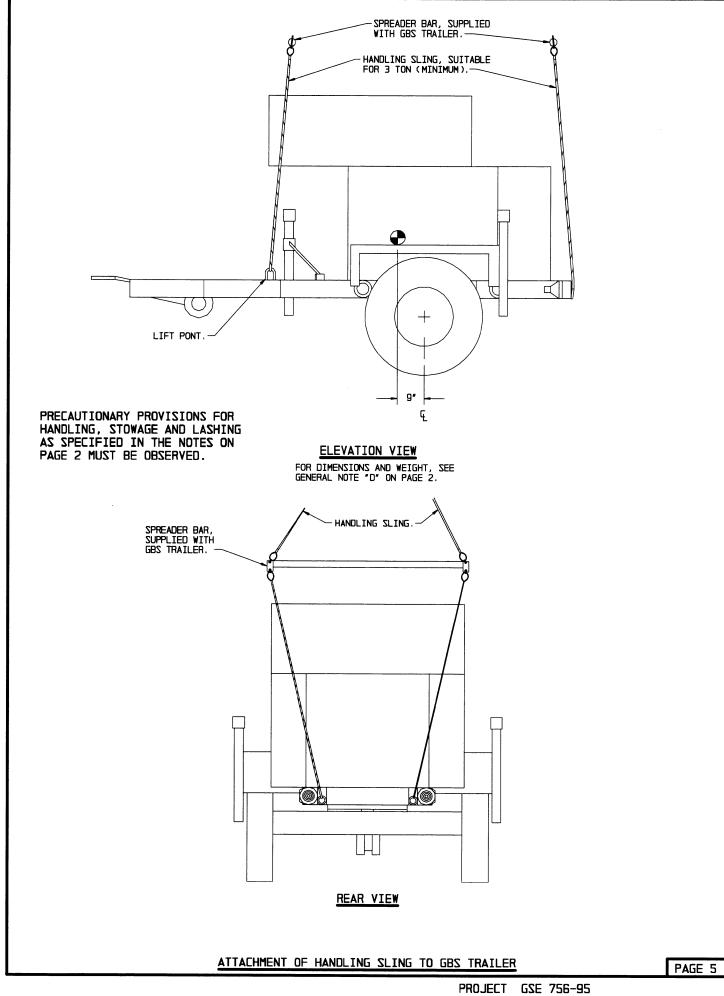
- A. PERTINENT PROVISIONS OF TITLE 46/49 CODE OF FEDERAL REGULATIONS APPLY.
- B. HANDLING OF THE GBS TRAILER AND SHELTER/GENERATOR TRUCK SHOULD BE ACCOMPLISHED BY USING THE LIFT POINTS DESIGNATED HEREIN.
- C. THE HANDLING SLING SHALL BE OF THE DESIGN AND CONFIGURATION SPECIFIED ON PAGES 3 AND 5 SO AS TO LIFT THE ITEMS IN SUCH A MANNER THAT THE CABLE LEGS DO NOT APPLY EXCESSIVE PRESSURE AGAINST THE FRAMING, SUPERSTRUCTURE OR OTHER MEMBERS OF THE ITEMS, WHICH MAY DAMAGE THE ITEMS.
- D. EACH LEG OF THE HANDLING SLING MUST BE SECURELY ATTACHED TO A LIFT POINT PRIOR TO LIFTING.
- E. ALTHOUGH DESIRABLE, A LEVEL LIFT IS NOT MANDATORY. THE APPROXIMATE CENTER OF BALANCE OF THESE ITEMS IS SHOWN TO ASSIST IN DETERMINING CABLE LENGTHS TO ASSURE A SAFE

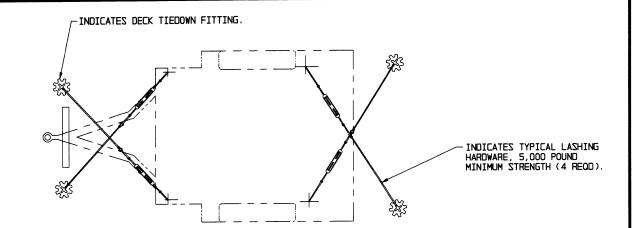
## STOWAGE AND LASHING:

- A. WHEN STOWING THE ITEMS DESIGNATED HEREIN WITHIN THE HOLD OR TWEEN DECK, SPACING BETWEEN VEHICLES SHALL BE A MINIMUM OF 10". ALSO, OTHER CARGO ITEMS MUST NOT BE STACKED ON TOP OF OR AGAINST ANY OTHER PART OF THE ITEMS IDENTIFIED ABOVE.
- B. LASHING HARDWARE MUST BE CROSSED, IF POSSIBLE, AND ACHIEVE APPROXIMATELY A 25° ANGLE WITH THE DECK.
- C. THE GBS, MOUNTED ON A M103 TRAILER, AND THE SHELTER/
  GENERATOR PALLET MOUNTED ON A M923 CARGO TRUCK WITH
  TIE-DOWN DEVICES AS SHOWN HEREIN AND ARE SYMMETRICAL
  ABOUT THE LONGITUDINAL LINES OF CENTER. THE ITEMS SHOULD
  BE SECURED FORE AND AFT TO TIEDOWN POINTS USING A
  MINIMUM OF TWO SYMMETRICALLY LOCATED TIE-DOWN DEVICES IN
  EACH DIRECTION AS TYPICALLY SHOWN WITHIN THIS DOCUMENT.
- D. TYPICAL TIEDOWN PROCEDURES ARE SHOWN AND DEPICT A METHOD OF USING CABLES AND TURNBUCKLES. IF USED, A TURNBUCKLE MUST BE OF A SIZE EQUAL IN STRENGTH TO THE MINIMUM SIZE CABLE REQUIRED TO SECURE THE ITEMS. IN LIEU OF CABLES AND TURNBUCKLES, SECUREMENT MAY BE ACCOMPLISHED BY OTHER ACCEPTED METHODS.



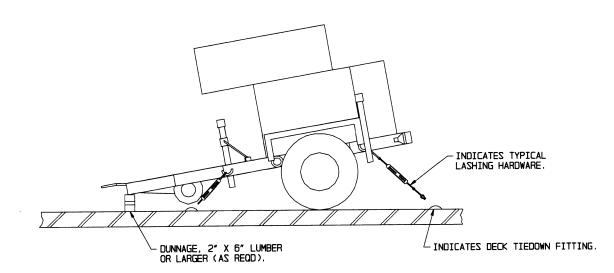




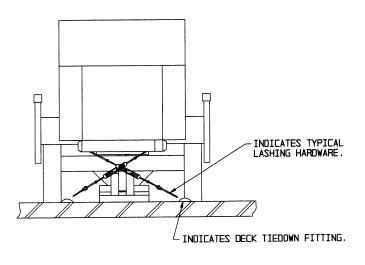


### PLAN VIEW

PHANTOM LINES INDICATE TRAILER AND TIRES.



## **ELEVATION VIEW**



PRECAUTIONARY PROVISIONS FOR HANDLING, STOWAGE AND LASHING AS SPECIFIED IN THE NOTES ON PAGE 2 MUST BE OBSERVED.

REAR VIEW

LASHING OF GBS TRAILER