

APPROVED BY  
MTMTS

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TEA, MTMTS

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# HAWK

## MINIMUM REQUIREMENTS FOR THE HANDLING, STOWAGE, & BRACING ABOARD SHIPS OF LOADER- TRANSPORTER, XM501 SERIES

DRAFTER <i>SMH/266</i>	PROJ ENG <i>MWD/1105</i>	AMICM-HAS <i>E.C. Young</i>	SUBMITTED <i>M R Dickson</i>
CHECKED <i>PSH/AM</i>	USAC AMMO CTR <i>John Syard</i>	AM510-3P <i>023</i>	COMMANDING OFFICER, SAVANNAH ARMY DEPOT
REVISIONS			APPROVED
			<i>Morris E. Johnson</i> ARMY MISSILE COMMAND
			APPROVED BY ORDER OF COMMANDING GENERAL U. S. ARMY MATERIEL COMMAND
			<i>John L Syard</i> USAMC AMMO CENTER
			U. S. ARMY MATERIEL COMMAND
			AUGUST 1971
			CLASS DIVISION DRAWING FILE
			19 48 7224 GSE 18HA5

DO NOT SCALE

## NOTES

### GENERAL:

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AMCR 740-13.
- B. THIS DRAWING DEPICTS MINIMUM PROCEDURES APPLICABLE TO THE HANDLING, STOWAGE AND BRACING ABOARD SHIPS OF LOADER-TRANSPORTER, XM501 SERIES, FOR THE HAWK GUIDED MISSILE SYSTEM.
- C. THE LOADER-TRANSPORTER SHOWN HEREIN MAY BE STOWED IN THE SAME HOLD OR TWEEN DECK WITH OTHER TYPES OF CARGO. HOWEVER, IF THIS ITEM IS TO BE STOWED ADJACENT TO DANGEROUS ARTICLES, PERTINENT REQUIREMENTS OF COAST GUARD REGULATION NO. CG 108 MUST BE APPLIED.
- D. LADING DATA:

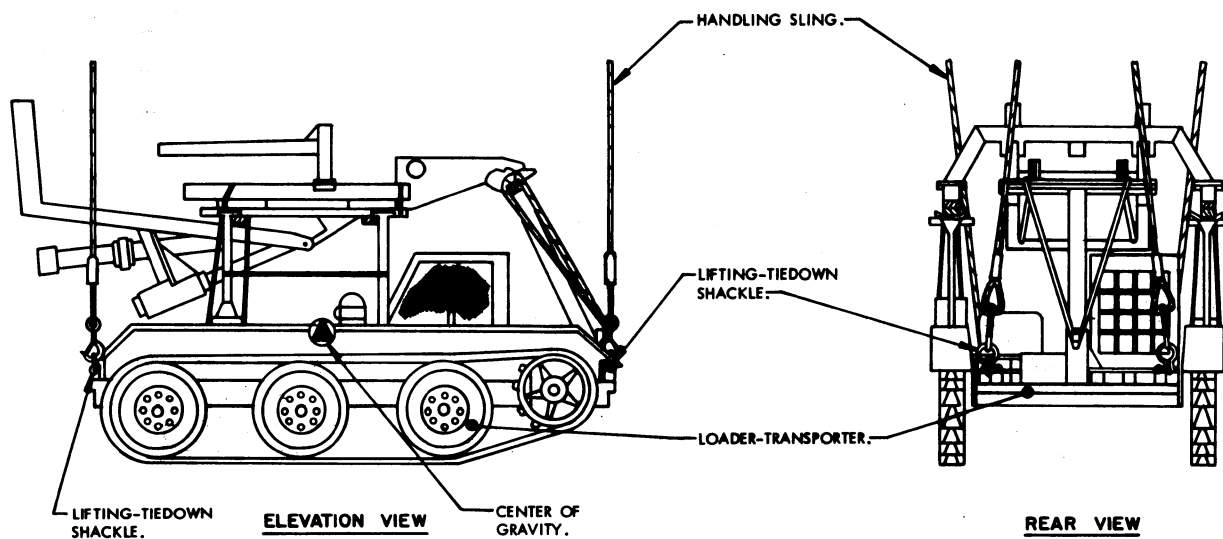
DIMENSIONS ----- 17'-0" LONG X 6'-3" WIDE X 7'-8-3/4" HIGH.  
GROSS WEIGHT -- 5,460 LBS (APPROX).  
CUBE ----- 821.3 FT.

### HANDLING:

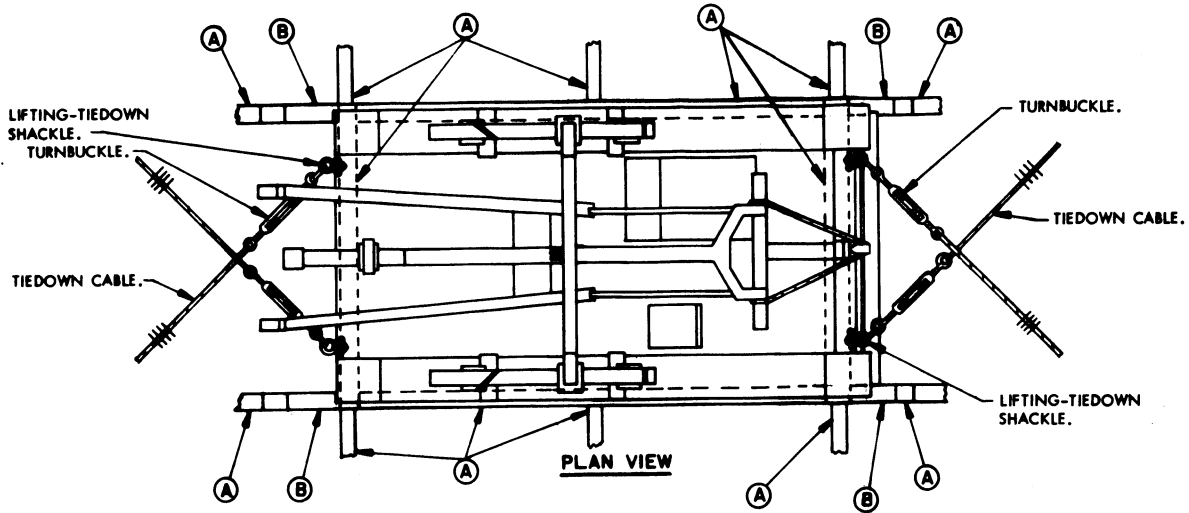
- A. PERTINENT PROVISIONS OF TITLE 46 CODE OF FEDERAL REGULATIONS APPLY.
- B. HANDLING OF THE LOADER-TRANSPORTER SHOULD BE ACCOMPLISHED BY USING THE LIFT POINTS DESIGNATED HEREIN.
- C. THE HANDLING SLING SHALL BE OF A DESIGN AND CONFIGURATION TO LIFT THE ITEM IN SUCH A MANNER THAT THE CABLE LEGS DO NOT COME IN CONTACT WITH OR APPLY PRESSURE AGAINST THE FRAMING, SUPERSTRUCTURE OR OTHER MEMBERS OF THE ITEM WHEN BEING LIFTED.
- 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 CENTER OF GRAVITY OF THIS ITEM IS SHOWN TO ASSIST IN DETERMINING CABLE LENGTHS TO ASSURE A SAFE LIFT.

### STOWAGE AND BRACING:

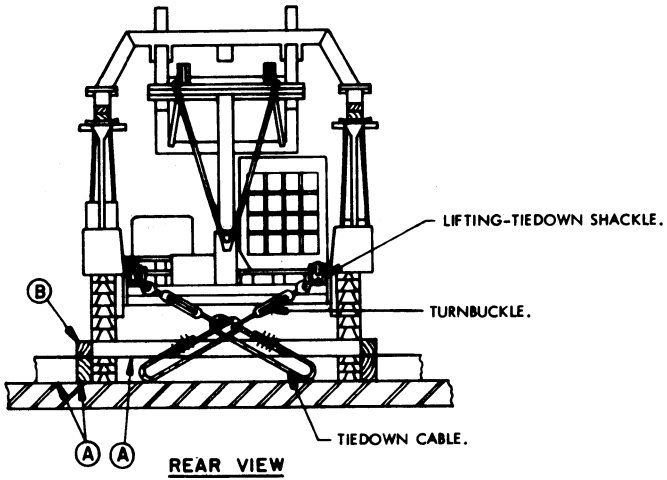
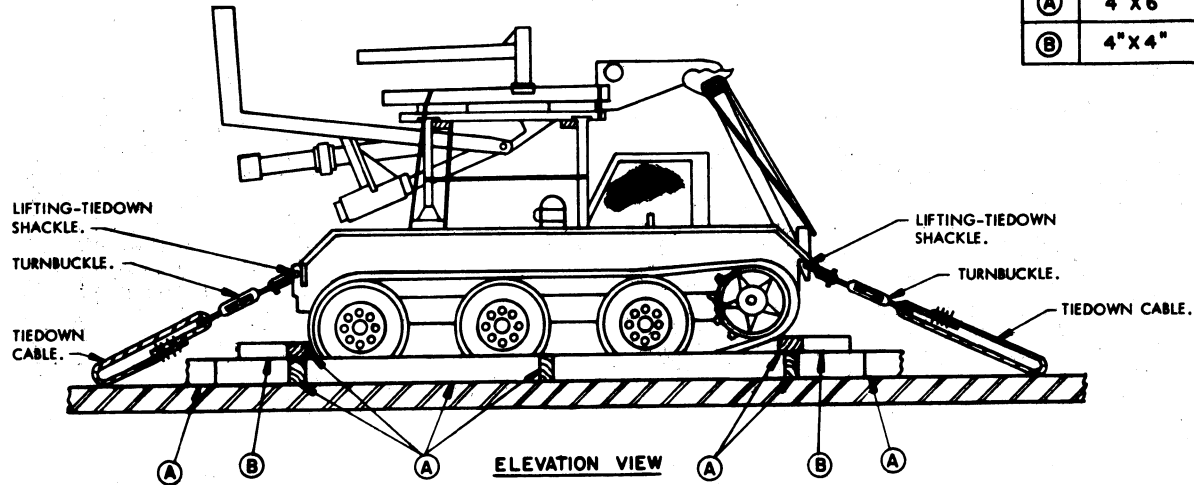
- A. WHEN STOWING THE LOADER-TRANSPORTER WITHIN THE HOLD OR TWEEN DECK, BRACING BETWEEN VEHICLES OR BETWEEN LOADER-TRANSPORTER AND OTHER CARGO SHALL ONLY BE APPLIED AGAINST THE TRACK WHEELS AND/OR TRACKS OF THE VEHICLE. ALSO, OTHER CARGO ITEMS MUST NOT BE STACKED ON TOP OF OR BE BRACED AGAINST ANY OTHER PART OF THE LOADER-TRANSPORTER THAN AS IDENTIFIED IMMEDIATELY ABOVE.
- B. SPECIES, GRADE AND SIZE OF LUMBER TO BE USED WILL COMPLY WITH REQUIREMENTS OF CURRENT SHIPWRIGHT-CARPENTRY AND RELATED SERVICES CONTRACTS. BRACING METHODS AND LUMBER SIZES DEPICTED IN THIS DRAWING ARE CONSIDERED MINIMUM AND ARE NOT INTENDED TO CONFLICT WITH CONTRACT REQUIREMENTS.
- C. THE LOADER-TRANSPORTER IS EQUIPPED WITH TIEDOWN DEVICES AS SHOWN HEREIN AND ARE SYMMETRICAL ABOUT THE LONGITUDINAL LINE OF CENTER. THE ITEM SHOULD BE SECURED FORE AND AFT TO SHIP TIEDOWN POINTS USING A MINIMUM OF TWO SYMMETRICALLY LOCATED TIEDOWN DEVICES IN EACH DIRECTION AS TYPICALLY SHOWN WITHIN THIS DOCUMENT.
- D. A TYPICAL TIEDOWN PROCEDURE IS SHOWN AND DEPICTS THE PREFERRED 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 ITEM. IN LIEU OF CABLES AND TURNBUCKLES, SECUREMENT MAY BE ACCOMPLISHED BY OTHER ACCEPTED METHODS.



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



MINIMUM LUMBER SIZES	
(A)	4" X 6"
(B)	4" X 4"



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