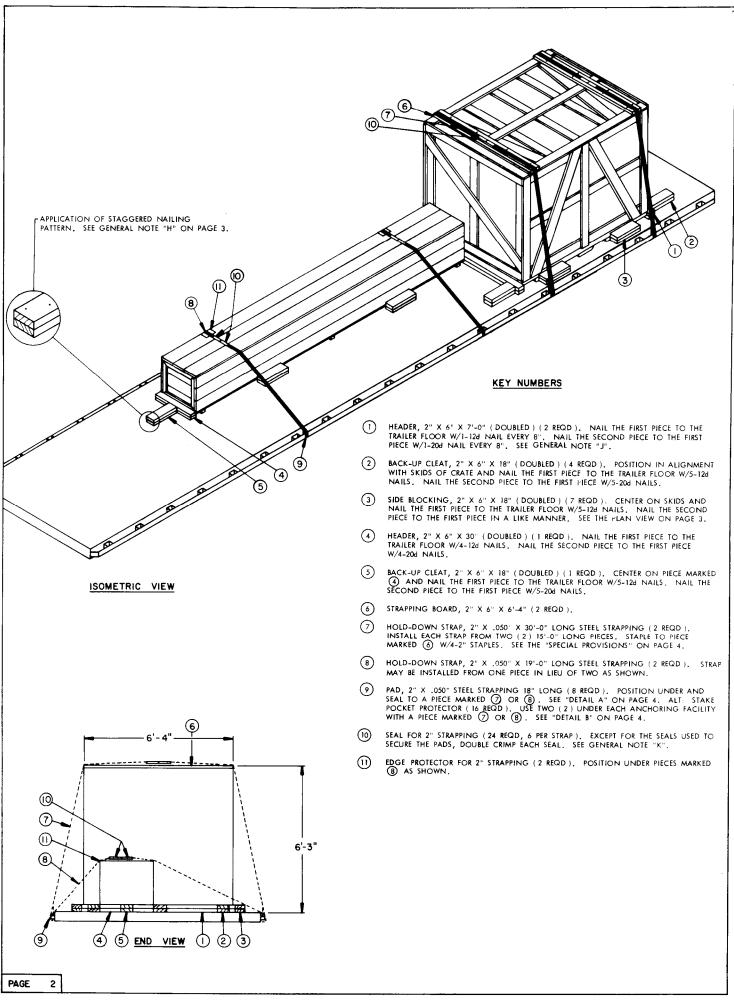
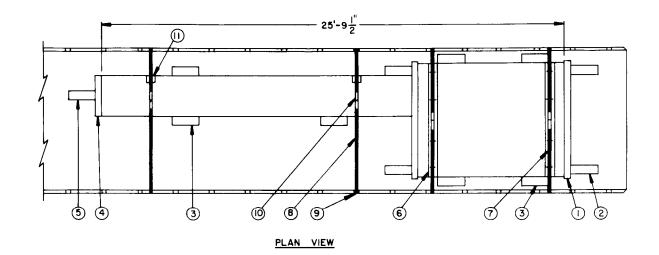
# **LANCE**

LOADING AND BRACING ON FLAT BED TRAILER OF HANDLING UNIT, GUIDED MISSILE, XM39EI

REVISIONS	DRAYTSMAN PROJENO LUW ANCOM-LICEM			
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	APPROVED BY ORDER OF COMMANDING GENERAL. U. S. ARMY MATERIEL COMMAND			
	at Ehringer UBAME AMMO CENTER			
	U. S. ARMY MATERIEL COMMAND			
	OCTOBER 1972			
	CLASS DIVISION DRAWING FILE			
	19 48 7576 GSE			

DO NOT SCALE





### GENERAL NOTES

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AMCR 740-13.
- B. THE LOAD AS SHOWN IS BASED ON A FLAT BED TRAILER 8'-0" WIDE WITH A WOOD OR A WOOD AND METAL FLOOR. TRAILERS WITH ALL METAL FLOORS WILL NOT BE USED. ONLY ONE UNIT OF LADING (IN TWO (2) PACKAGES) IS SHOWN, HOWEVER, MULTIPLES OF UNITS, AS SHOWN OR DISSIMILAR IN NATURE, MAY BE LOADED ON A TRAILER. THE NUMBER OF UNITS TO BE LOADED ON A TRAILER WILL BE DEPENDENT ON THE SIZE OF THE TRAILER USED OR THE QUANTITIES OF UNITS TO BE SHIPPED, WITH THE VIEW OF FULL UTILIZATION OF CARRIER EQUIPMENT.
- C. ONLY TRAILERS CAPABLE OF SAFELY TRANSPORTING THE LADING TO DESTINATION WITHOUT DAMAGE WILL BE SELECTED. TRAILERS SELECTED MUST HAVE "SOUND" FLOORS WHICH PROVIDE NAIL RETENTION PROPERTIES EQUAL TO OR BETTER THAN SPECIFIED DUNNAGE LUMBER, AND A SUFFICIENT NUMBER OF ANCHORING FACILITIES OF A STRENGTH EQUAL TO OR BETTER THAN SPECIFIED LADING TIE DOWN ASSEMBLIES. SEE PROVISIONS OF GENERAL NOTE "F" BELOW.
- D. SHIPMENT GROSS WEIGHT, AXLE DISTRIBUTION OF LADING WEIGHT AND OVERALL DIMENSIONS MUST MEET STATE LAW REQUIREMENTS.
- E. LADING DATA:

ITEM WEIGHT (APPROX ) DIMENSIONS

BASE ASSEMBLY ( CRATED ) ---- 1,298 LBS ---- 8'-1" LONG X 6'-4" WIDE X 6'-1" HIGH. BOOM ASSEMBLY ( BOXED )---- 843 LBS ---- 17'-3" LONG X 26" WIDE X 22" HIGH.

- F. IF THE STAKE POCKETS AND/OR ANCHOR DEVICES ON A TRAILER ARE NOT PROPERLY LOCATED TO PERMIT SECUREING OF THE TWO INCH (2") STEEL STAPPING AS SHOWN, OR IF THE POCKETS AND/OR ANCHOR DEVICES ARE NOT EQUAL TO OR REATER THAN THE STRENGTH OF THE 2" TIE DOWN STRAPS, STRAPPING MAY BE APPLIED TO FORM A COMPLETE LOOP WHICH ENCOMPASSES BOTH THE LADING AND THE TRAILER FRAME AND/OR BED. CAUTION: WHEN INSTALLING A TIE DOWN STRAP WHICH ENCOMPASSES BOTH LADING AND TRAILER FRAME AND/OR BED, AVOID TRAILER WHEELS, FIFTH WHEEL PLATE, CONTROLS, WIRING AND APPURTENANCES; AND USE PADS ON ALL SHARP EDGES AS CUSHIONING FOR THE STRAPPING. NOTE: PROVISIONS OF GENERAL NOTE "K" BELOW WILL ALSO APPLY.
- G. SEE THE "SPECIAL PROVISIONS" ON PAGE 4 FOR SPECIFICATIONS WHICH MUST BE APPLIED IF CHAINS AND LOAD BINDERS ARE USED.
- H. DUNNAGE LUMBER SPECIFIED THROUGHOUT THIS PROCEDURAL DRAWING IS OF NOMINAL SIZE. FOR EXAMPLE, 2" X 6" MATERIAL IS ACTUALLY 1-1/2" THICK BY 5-1/2" WIDE OR 1-5/8" THICK BY 5-5/8" WIDE.
- J. NOTICE: A STAGGERED NAILING PATTERN WILL BE USED WHEN DUNNAGE IS NAILED TO THE FLOOR OF THE TRANSPORTING VEHICLE, OR WHEN LAMINATING DUNNAGE. ADDITIONALLY, THE NAILING PATTERN FOR AN UPPER PIECE OF LAMINATED DUNNAGE WILL BE ADJUSTED AS REQUIRED SO THAT A NAIL FOR THAT PIECE WILL NOT BE DRIVEN THROUGH ONTO OR RIGHT BESIDE A NAIL IN A LOWER PIECE.
- K. WHEN ANY STRAP IS SEALED AT AN END-OVER-END LAP JOINT, A MINIMUM OF TWO (2) SEALS, BUTTED TOGETHER, WITH TWO (2) PAIR OF CRIMPS PER SEAL MUST BE USED TO SEAL THE JOINT.

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# MATERIAL SPECIFICATIONS

LUMBER -----: DOUGLAS FIR OR COMPARABLE LUMBER WITH STRAIGHT GRAIN AND FREE OF MATERIAL DEFECTS, REF; FED SPEC MM-L-751.

STRAPPING, STEEL: TYPE I, CLASS A, B, OR C. REF: FED SPEC QQ-S-781.
(FOR FSN, SEE SB-38-100)

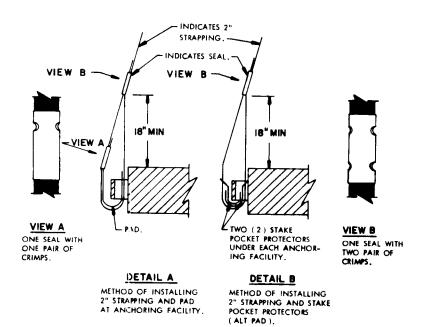
STRAP SEAL; STRAP STAPLE; STAKE POCKET PROTECTOR; EDGE PROTECTOR-:

COMMERCIAL GRADE.

# LOAD AS SHOWN

ITEM	QUANTITY	WEIG	HT (APPROX)
HANDLING	UNIT 1	2,141	LBS
		251	LBS
	TOTAL WEIGHT	2,392	LBS

PAGE



## SPECIAL PROVISIONS:

LADING MAY BE SECURED BY CARRIER-OWNED CHAINS AND LOAD BINDERS IN LIEU OF SPECIFIED HOLD-DOWN STRAPPING DUNNAGE MATERIALS, PROVIDING THE FOLLOWING CONDITIONS ARE MET.

- ONLY CHAINS AND LOAD BINDERS OF GOOD QUALITY SHOULD BE USED. <u>CAUTION:</u> EXTREME CARE MUST BE USED IN TENSIONING CHAINS TO PREVENT DAMAGE TO THE LADING.
- 2. IN LIEU OF EACH HOLD-DOWN STRAP MARKED (2), ONE (1) LINE OF 1/4" CHAIN MAY BE USED. THE STRAPPING BOARD MARKED (3) MUST BE DOUBLED AND LAMINATED W/1-104 NAIL EVERY 12". EACH CHAIN STALL BE SECURED TO THE LAMINATED BOARDS W/4-204 NAILS BY DRIVING EACH NAIL INTO THE BOARD THRU AN OPENING IN A CHAIN LINK AND BENDING IT OVER THE LINK.
- 3. ONE (1) LINE OF 1/4" CHAIN MAY BE SUBSTITUTED FOR EACH HOLD-DOWN STRAP MARKED (B). AT EACH SIDE OF THE CONTAINER, IN LIEU OF USING EDGE PROTECTORS, A 12" LONG "L" SHAPED CAP ASSEMBLY MUST BE USED UNDER THE CHAIN. FABRICATE EACH CAP BY NAILING A 2" X 2" PIECE TO THE SIDE OF A 2" X 4" PIECE, SECURE A CHAIN TO A CAP BY DRIVING A 201 NAIL INTO THE CAP THRU AN OPENING IN A CHAIN LINK AND BENDING IT OVER THE LINK. CAUTION: DO NOT DRIVE NAILS INTO THE CONTAINER.
- 4. IF DESIRED, CHAINS OF A LARGER SIZE THAN SPECIFIED ABOVE MAY BE USED.
- 5. BEFORE AND DURING INSTALLATION, THE CHAINS AND LOAD BINDERS SHALL BE INSPECTED FOR BENT HOOKS, STRETCH, GOUGES, BENT LINKS, WEAR, AND ANY OTHER NOTICEABLE DEFECTS ANY DEFICIENCY SHALL BE CAUSE FOR REJECTION OF A CHAIN OR LOAD BINDER. CHAINS MUST NOT BE TWISTED DURING INSTALLATION.
- THE TENSIONING DEVICE OF EACH LOAD BINDER MUST BE SAFETY-WIRE TIED TO PREVENT ACCIDENTAL OPENING OR LOOSENING IN TRANSIT.