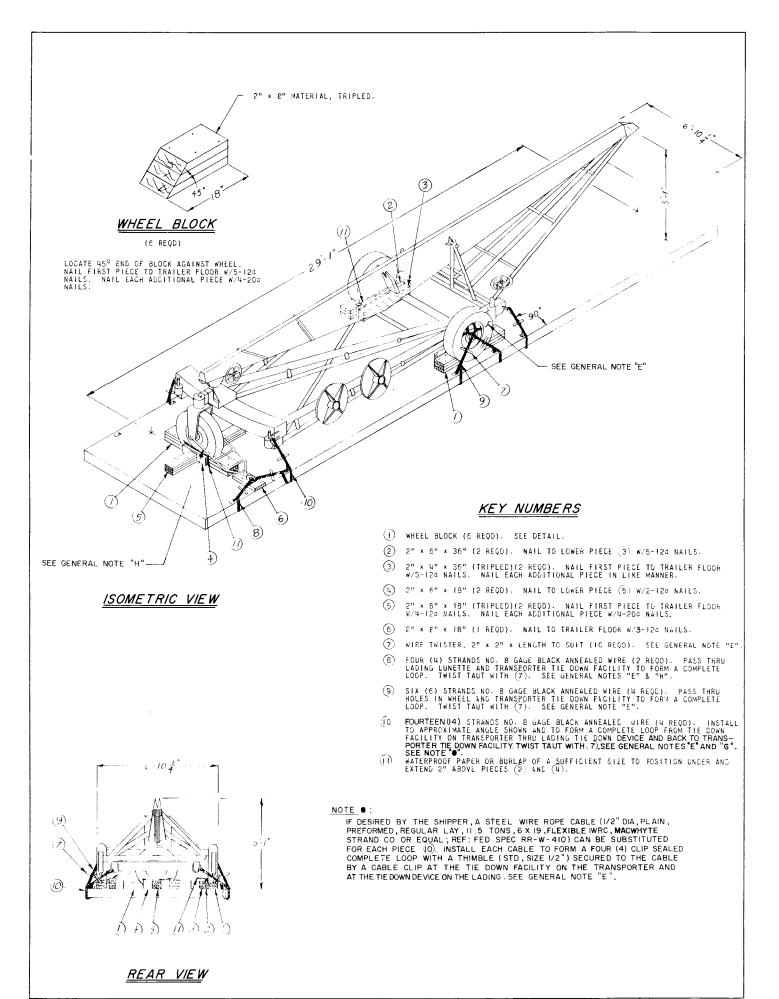
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AREMA JOHN LANGE WAR
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LOADING & BRACING ON FLAT BED TRAILER OF LAUNCHER, XM33, FOR THE 762 MM ROCKET SYSTEM

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## GENERAL NOTES

- A. LOAC AS SHOWN IS BASED ON A FLAT BED OR "LOW-BOY" TRAILER B'-O" WIDE WITH WOOD OR WOOD AND METAL FLOOR. TRAILERS WITH ALL METAL FLOORS WILL NOT BE USED. ONLY ONE UNIT OF LADING 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.
- B. 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 THE DOWN FACILITIES OF A STRENGTH EQUAL TO OR BETTER THAN SFECIFIED LADING THE DOWN ASSEMBLIES.
- C. SHIPMENT GROSS WEIGHT, AXLE DISTRIBUTION OF LADING WEIGHT AND OVERALL DIMENSIONS MUST MEET STATE LAW REQUIREMENTS.
- D. LADING DATA:

ITEM DIMENSIONS - 37'-1" LONG (WITH TOW BAR IN NORMAL POSITION, SEE GENERAL NOTE "H") × 6'-10-1/4" WIDE × 5'-1" HIGH. ITEM GROSS WEIGHT - 4,625 POUNDS (APPROX).

- E. REFER TO ORD DWG 19-48-C-ORDJU-588, "WIRE ROPE AND ANNEALED WIRE APPLICATION METHODS FOR SECURING LADING ON RAIL & MOTOR CARRIER EQUIP", FOR PROPER TIE DOWN APPLICATION.

  CAUTION: DURING TWISTED WIRE CABLE INSTALLATION, AVOID CONTACT WITH ALL ELECTRICAL WIRING, VEHICLE CONTROLS AND OTHER APPURTENANTS. METAL FILLERS OR COMPARABLE CUSHIONING MATERIAL MUST BE USED BETWEEN TIE DOWN WIRES AND/OR CABLES AND ALL SHAPP EDGES, AND ANTI-CHAFING MATERIAL MUST BE USED BETWEEN CONTACTING TIE DOWN WIRES AND LADING TIRES.

  ADDITIONALLY, LADING TIRES WILL BE INFLATED TO HIGHWAY OPERATING PRESSURE, AND ALL HAND BRAKES MUST BE "SET" WITH THE HAND LEVERS WIRE TIED OR BLOCKED.
- F. LADING WILL NOT BE SECURED BY CHAINS AND/OR LOAD BINDERS IN LIEU OF SPECIFIED DUNNAGE.
- G. CAUTION: IT IS RECOMMENDED THAT TWISTED WIRE CABLE BE INSTALLED TO APPROXIMATE ANGLE SHOWN; HOWEVER, IF PLACEMENT OF TRANSPORTER TIE DOWN FACILITIES PREVENTS THIS, CARE MUST BE EXERCISED TO ENSURE THAT CABLES ON THE SAME SIDE OF LADING ARE INSTALLED SO THEIR RETENTION FORCES ACT IN OPPOSITE LONGITUDINAL DIRECTIONS.
- H. THE TOW BAR IS SHOWN ROTATED 90° FROM NORMAL POSITION TO CONSERVE CARRIER EQUIPMENT SPACE. IF SPACE PERMITS, THE TOW BAR MAY BE LEFT IN A NORMAL POSITION AND BLOCKED WITH TWO (2) EACH OF (1), (2), (3) AND (11). OMIT PIECES (4) AND (5), AND INSTALL 8) FROM A TIE DOWN FACILITY ON EACH SIDE OF THE TRANSPORTER TO THE LADING LUNETTE.

	LOAD AS SHOWN		
ITEM	QUANTITY	WEIGHT	(APPROX)
LAUNCHER, XM33		4,625	LBS
DUNNAGE		198	LBS
	TOTAL WEIGHT	4.823	LBS (APPROX

## LOADING & BRACING ON FLAT BED TRAILER OF LAUNCHER, XM33, FOR THE 762 MM ROCKET SYSTEM

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BILL OF MATERIAL			
LUMBER	LINEAL FEET	BOARD FEET	
2" × 2"	15	5	
2" x 4"	18	12	
2" × 6"	18	18	
2" x 8"	25	33	
NAILS	NO. REQD	POUNDS	
12d (3£")	95	1-3/1	
20d (4")	74	2-3/1	

WIRE, NO. 8 GAGE ---- - 245' REQD ---- 23 LBS WATERPROOF PAPER OR BURLAP--- AS REQD

## MATERIAL SPECIFICATIONS

LUMBER: DOUGLAS FIR OR COMPARABLE LUMBER WITH STRAIGHT GRAIN AND FREE FROM MATERIAL DEFECTS. REF: FEC SPEC MM-L-751.

NAILS: COMMON, CEMENT COATED. REF: FED SPEC FF-N-105.

ALT: ANNULAR-RING TYPE NAIL OF SAME SIZE.

WIRE: ANNEALED, BLACK. REF: FED SPEC QQ-W-461.