APPROVED BY
MECH DIV ARR, THEIR LETTER
DATED & APR 1045 FILE LR-11.0

SIGNED **LOTTE: LATE APRIL 1968 MIT-14

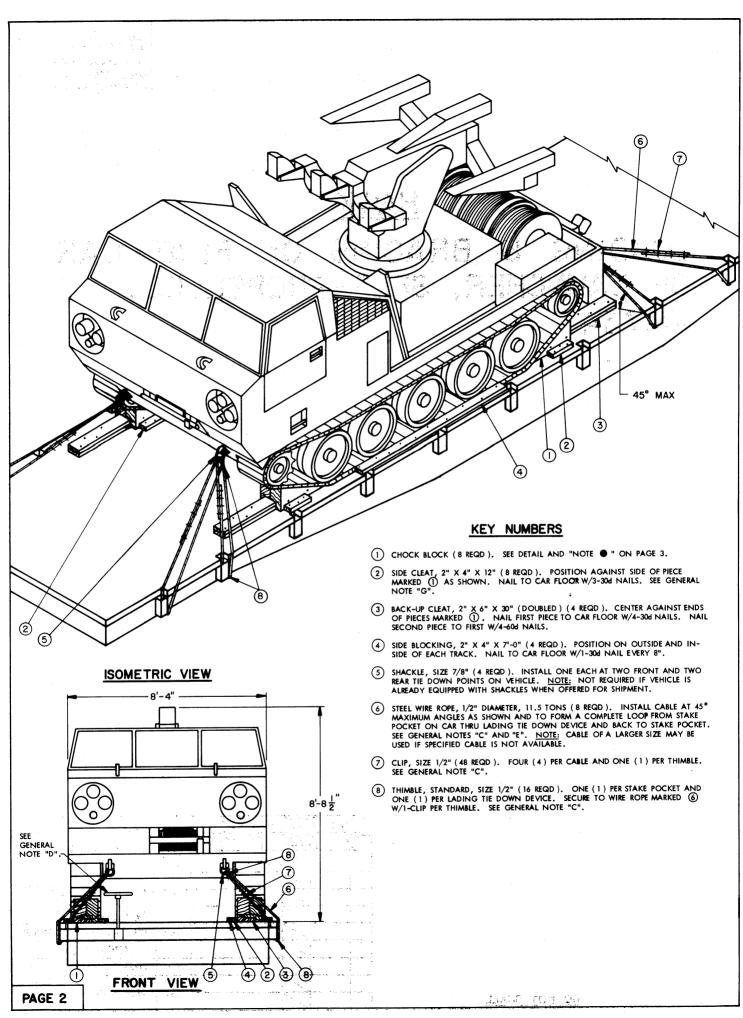
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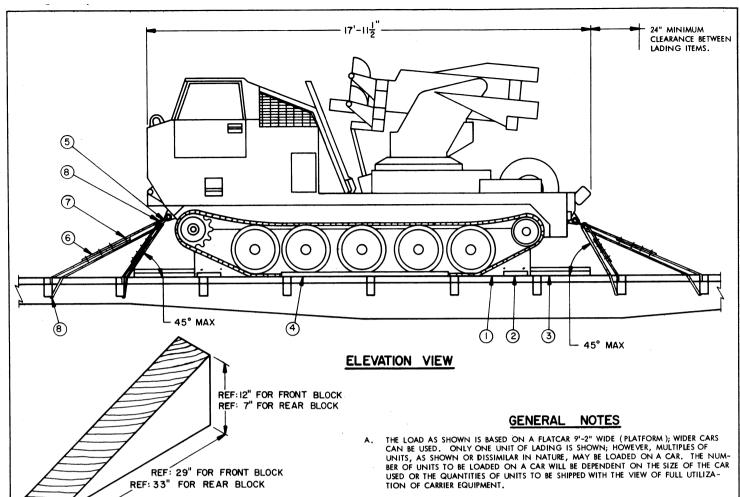
HAWK

LOADING & BRACING ON FLAT CAR OF LAUNCHER, SELF-PROPELLED, XM754

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DO NOT SCALE





TOENAIL THRU HEEL OF A BLOCK TO THE CAR FLOOR W/2-40d NAILS. TOENAIL ONE (1) SIDE OF A BLOCK TO THE CAR CHOCK **BLOCK** FLOOR W/2-40d NAILS.

BILL OF MATERIAL						
LUMBER	LINEAR FEET	BOARD FEET				
2" X 4"	36	24				
2" X 6"	20	20				
6" X 8"	6	24				
6" X 12"	5	30				
NAILS	NO. REQD	POUNDS				
30d (4-1/2")	80	4				

NOTE :

USE TWO EACH SIDE-BY-SIDE AT EACH

BLOCKING LOCATION. LOCATE BEVELED END OF EACH BLOCK AGAINST TRACK.

NAILS	NO. REQD	POUNDS	
30d (4-1/2")	80	4	
40d (5")	32	2	
60d (6")	16	1-3/4	
ROPE, STEEL WIRE, 1/2 CLIP, 1/2" THIMBLE, STANDARD, SHACKLE, 7/8"	1/2" 16	REQD 21 LBS	

MATERIAL **SPECIFICATIONS**

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

NAILS - : COMMON, CEMENT COATED OR CHEMICALLY ETCHED. REF: FED SPEC FF-N-105.
ALT: ANNULAR-RING TYPE NAIL OF SAME SIZE.

ROPE --: STEEL WIRE, PLAIN, PREFORMED, REGULAR LAY, 11.5 TONS, 6 X 19, FLEXIBLE IWRC, MACWHYTE WIRE ROPE CO. (OR EQUAL). REF: FED SPEC RR-W-410.

CLIPS --: "U" BOLT, CROSBY, HEAVY DUTY (OR EQUAL).

SHACKLE: MIL-S-5675A.

LADING DATA:

ITEM DIMENSION ------ 17'-11-1/2" LONG X 8'-4" WIDE X 8'-8-1/2" HIGH. ITEM GROSS WEIGHT --- 22,650 POUNDS (APPROX).

- 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, EXCEPT NUTS ON 1/2" CABLE CLIPS WILL BE TIGHTENED TO A TORQUE OF 85 TO 95 FOOT POUNDS.
- REFER TO ASSOCIATION OF AMERICAN RAILROADS MANUAL, "GENERAL RULES GOVERNING THE LOADING OF COMMODITIES ON OPEN TOP CARS", FOR APPLICABLE LOADING RULES: PREFACE, 1-A, 2, 3, 4, 5, 9, 14, 15, AND 19-A.
- TO ACHIEVE PROPER CABLE TENSION, EMPLOY TWO (2) CABLE "GRIPPERS" AND AN APPLICABLY SIZED "COME-A-LONG" TYPE MECHANICAL HOIST. NOTE: CABLES WILL BE TENSIONED SUFFICIENTLY TO CAUSE THE BODY OF THE TRACK VEHICLE TO DEPRESS APPROXIMATELY ONE INCH (1").
- DUNNAGE LUMBER SPECIFIED THROUGHOUT THIS PROCEDURAL DRAWING IS OF NOMI-NAL SIZE UNLESS OTHERWISE DIMENSIONED. FOR EXAMPLE, 2" X 4" MATERIAL IS ACTUALLY 1-5/8" THICK BY 3-5/8" WIDE.
- A STAGGERED NAILING PATTERN WILL BE USED WHEN DUNNAGE IS NAILED 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.

LOAD AS SHOWN

ITEM	QUANTITY	WE	IGHT	(APPROX)
LAUNCHER, XM754	1	22,650	LBS	
		353	LBS	_
	TOTAL WEIGHT	23,003	LBS	

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