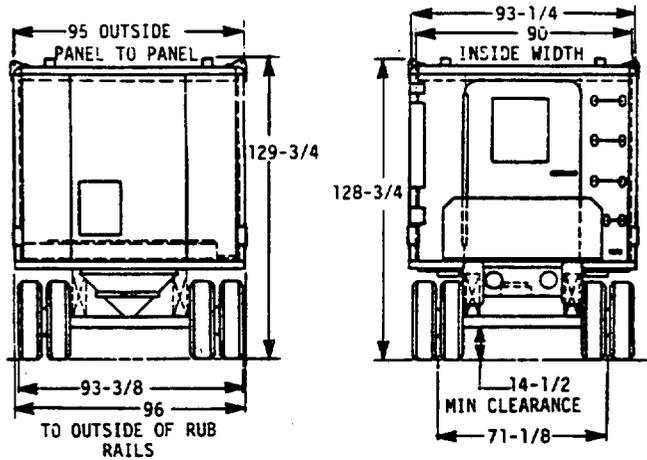
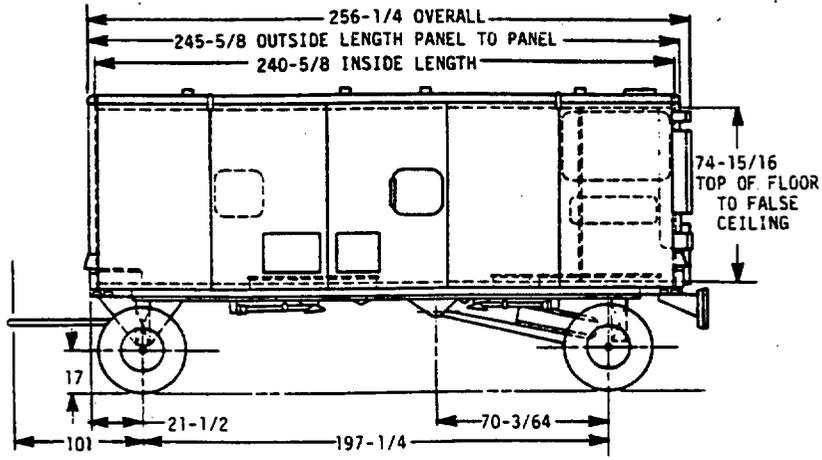


**(B)** INACTIVE FOR NEW DESIGN AFTER 10 FEBRUARY 1989  
NO SUPERSEDING STANDARD.



USER ACTIVITIES:

This military standard is approved for use by the US Army Tank-Automotive Command, Department of the Army, and is available for use by all Departments and Agencies of the Department of Defense.  
AMSC W/A  
DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.  
REVIEWER ACTIVITIES

APPROVED 1 AUGUST 1966 REVISED (A) 22 MAY 65 (B) 10 FEB 1989

P. A. ARMY-AT Other Cust NAVY-AS	INTERNATIONAL INTEREST	TITLE TRAILER, GUIDED MISSILE, TRACKING STATION, 4 WHEEL, M428A1
PROCUREMENT SPECIFICATION MIL-T-45393	SUPERSEDES:	

MS PART NO.	ENGINEERING DWG NO
MS500063-1	8736392

MILITARY STANDARD	
MS500063(AT)	
SHEET 1	OF 2

(B) INACTIVE FOR NEW DESIGN AFTER 10 FEBRUARY 1989  
NO SUPERSEDING STANDARD.

## VEHICLE CHARACTERISTICS

PRIME MOVER: TRUCK, 2-1/2 TON, 6 X 6REFLECTORS: 4, RED,  
4, AMBER,MS35387-1  
MS35387-2WEIGHTS:

CURB WEIGHT 12715  
PAYLOAD 4895  
BODY AND PAYLOAD SPRUNG WEIGHT 9815  
NET EMPTY 7820  
FRONT DOLLY 1400  
REAR DOLLY 1500 LBS

TRAILER DOLLIES:

FRONT, M573D 8736414  
SPRING, LEFT 8221331  
SPRING, RIGHT 7615319  
REAR, M430 AIR 8158425  
SPRING, RIGHT 8155307  
SPRING, LEFT 8001855

MAXIMUM WEIGHT: INCLUDING BODY, WITH  
PAYLOAD EVENLY DISTRIBUTED.

FRONT AXLE 3780  
REAR AXLE 4240 LBS

FORDING DEPTH: TOP OF TIRES.UNDERCARRIAGE: INST'N 10906594(REFERENCED WEIGHTS ARE FOR INFORMATION  
ONLY.)SERVICE BRAKES:

DRUM SIZE, 13-1/8 X 2  
ACTUATION, AIR/HYDRAULIC 8016936  
EMERGENCY RELAY VALVE, 8017035  
AIR RESERVOIR,  
BRAKE ASSEMBLY:  
LEFT FRONT, 8016969  
RIGHT FRONT, 8016970  
LEFT REAR, 8016971  
RIGHT REAR, 8016972  
POWER CLUSTER, 8017004

GENERAL: THE M428A1 IS A 4 DUAL WHEEL  
VAN TYPE TRAILER USED IN THE NIKE  
HERCULES SYSTEM FOR ACCOMODATING MISSILE-  
TRACKING AND TARGET-TRACKING RADAR  
EQUIPMENT.

THE BODY IS INSULATED WITH BONDED HONEY-  
COMB TYPE INSULATION AND PROVIDED WITH  
HEATING AND VENTILATING DUCTS.

THE TRAILER IS PROVIDED WITH FOUR CORNER  
TIE-DOWNS, FOUR FRAME TIE-DOWNS, FOUR  
LIFTING EYES, WHEEL CHOCKS, REAR PLATFORM,  
REAR BUMPER, AND A GROUND ROD STUD. IT  
HAS A PIVOTING FRONT DOLLY APPROX. 85°  
EACH DIRECTION FROM CENTER AND A FIXED  
REAR DOLLY WHICH ARE DETACHABLE FROM THE  
TRAILER BED.

THE FRONT DOLLY CONSISTS OF A CONESHAPED  
FIFTH WHEEL ASSEMBLY AND INCLUDES INDEP-  
ENDENT WHEEL SUSPENSION, DETACHABLE IN-  
TERVEHICULAR CABLE, AND SAFETY CHAINS.  
THE REAR DOLLY IS AN "A" FRAME TYPE THAT  
INCLUDES STABILIZER BAR, SWAYBAR, SERVICE  
AND HAND BRAKE. THE TRAILER INTERIOR IS  
EQUIPPED WITH FLUORESCENT AND INCANDESCENT  
LIGHT FIXTURES WHICH SERVE AS OPERATIONAL,  
EMERGENCY, AND BLACKOUT LIGHTS,

WHEELS:

DUAL, DISC, SIZE, 16 X 6-1/2  
5-7/8 OFFSET, MS53044-3

TIRES:

TREAD TYPE, REGULAR, 9.00-16, 8 PLY,  
TUBES, MS35388-78,  
MS35392-10

MAXIMUM TOWING SPEEDS:

HIGHWAY, 50 MPH  
CROSS COUNTRY, 20 MPH

BUMPER ASSY:

10906582

FRAME ASSY:

10906632

VAN:

INST'N 9020103

LIFTING EYES:

2 FRONT, 2 REAR

MISCELLANEOUS EQUIPMENT:

FIRE EXTINGUISHER: 2, FREON, 2-3/4 LB,  
PORTABLE, 10916537  
LEVELING JACKS: 2, 8002383  
2, 8004581  
STAIR ASSEMBLY: PORTABLE, EXTENSIBLE,  
8161317

ELECTRICAL SYSTEM:

VAN, INST'N 8003501  
CHASSIS, INST'N 10906588  
POTENTIAL, 24 VOLTS  
HEATER, 9005301  
400 CYCLE, 3 PHASE, 208 VOLTS, AC  
INTERIOR, 120 VOLT, AC, 60 CYCLE  
EXTERIOR AND EMERGENCY LIGHTS  
24 VOLTS, DC  
CLEARANCE, SERVICE 2 AMBER, MS35423-1  
2 RED, MS35423-2  
CLEARANCE, BLACKOUT 2 AMBER, MS35424-1  
2 RED, MS35424-2  
STOPLIGHT, TAIL, 2 MS51329-1  
STOPLIGHT, BLACKOUT, 1 MS51302-1

NOTES:

- DIMENSIONS ARE IN INCHES AND ARE SHOWN FOR ENGINEERING REFERENCE ONLY.
- REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID
- THIS VEHICLE SHALL BE IN ACCORDANCE WITH REFERENCED ENGINEERING DRAWINGS, COPIES WHICH MAY BE OBTAINED FROM: US ARMY TANK-AUTOMOTIVE COMMAND, WARREN, MICH. 48397-5000.

USER ACTIVITIES:

REVIEWER ACTIVITIES

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ANSC N/A  
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Other Cust NAVY-AS			TRAILER, GUIDED MISSILE, TRACKING STATION, 4 WHEEL, M428A1	MS 500063-1	8736392
PROCUREMENT SPECIFICATION MIL-T-45393		SUPERSEDES:		MILITARY STANDARD MS500063(AT)	
				SHEET 2	OF 2

DD FORM 1 MAY 73 672-1 LIMITED COORDINATION

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2330-A995

APPROVED 1 AUGUST 1966 REVISED (A) 22 MAY 85 (B) 10 FEB 1989