

| INCH-POUND |

MIL-T-29218A(YD)
29 August 1989
SUPERSEDING
MIL-T-29218(YD)
30 July 1982

MILITARY SPECIFICATION

TRUCK, LIFT, PLATFORM, GASOLINE-ENGINE-DRIVEN, TELESCOPING BOOM

This specification is approved for use by the Naval Facilities Engineering Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers self-propelled personnel, telescopic boom type, aerial work platforms (hereinafter referred to as the work platform) and salient features as specified herein.

* 1.2 Classification. Units are of the following types, as specified (see 6.2):

Type I - 40 foot boom.
Type II - 60 foot boom.
Type III - 80 foot boom.
Type IV - 90 foot boom.
Type V - 100 foot boom.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications and standards. The following specifications and standards form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commanding Officer (Code 156), Naval Construction Battalion Center, Port Hueneme, CA 93043-5000, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 3930

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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SPECIFICATIONS

FEDERAL

- O-E-760 - Ethyl Alcohol (Ethanol); Denatured Alcohol; Proprietary Solvents and Special Industrial Solvents.
- TT-P-664 - Primer Coating, Alkyd, Corrosion-Inhibiting, Lead and Chromate Free, VOC-Compliant.

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- MIL-C-21567 - Compound, Silicone, Soft Film.
- MIL-B-46176 - Brake Fluid, Silicone, Automotive, All Weather, Operational and Preservative, Metric.
- MIL-P-53030 - Primer Coating, Epoxy, Water Reducible, Lead and Chromate Free.

STANDARDS

MILITARY

- MIL-STD-162 - Materials Handling Equipment: Preparation for Shipment, Storage, Cyclic Maintenance Routine Testing and Processing.
- MIL-STD-889 - Dissimilar Metals.

(Unless otherwise indicated, copies of federal and military specifications and standards are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099.)

2.2 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted are those listed in the issue of the DODISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents which is current on the date of the solicitation (see 6.2).

AMERICAN NATIONAL STANDARDS INSTITUTE, INC. (ANSI)

ANSI A92.5 - Boom-Supported Elevating Work Platforms.

(Application for copies should be addressed to the American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018.)

AMERICAN WELDING SOCIETY (AWS), INC.

AWS D1.1 - Structural Welding Code - Steel.

(Application for copies should be addressed to the American Welding Society, Inc., 550 N.W. LeJeune Road, P.O. Box 351040, Miami, FL 33135.)

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UNDERWRITERS LABORATORIES INC. (UL)

UL Electrical Construction Materials Directory.

(Application for copies should be addressed to the Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062.)

(Non-Government standards and other publications are normally available from the organizations which prepare or which distribute the documents. These documents also may be available in or through libraries or other informational services.)

2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein (except for associated detail specifications, specification sheets or MS standards), the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

* 3.1 Description. The work platform shall be hydrostatic drive (see 3.12 and 6.2), gasoline-engine-driven, four wheels and two axles, two wheel driven type. The work platform shall consist of a telescopic boom, with a basket type enclosed platform, capable of rotating 360 degrees with a 500 pound (lb) minimum rated work load and 1,000 lb maximum rated work load at maximum boom reach, and a chassis. The work platform shall operate smoothly and safely and be provided with, but not limited to, a swing brake, chassis brakes, alternating current power supply, two wheel steering, horn, ground and work area controls for all platform functions, and forward and reverse speeds. Construction of the work platform shall conform to ANSI A92.5 requirements.

3.2 First article. When specified (see 6.2), a sample shall be subjected to first article inspection (see 4.2.1 and 6.4).

3.3 Standard commercial product. The work platform shall, as a minimum, be in accordance with the requirements of this specification and shall be the manufacturer's standard commercial product. Additional or better features which are not specifically prohibited by this specification but which are a part of the manufacturer's standard commercial product, shall be included in the work platform being furnished. A standard commercial product is a product which has been sold or is being currently offered for sale on the commercial market through advertisements or manufacturer's catalogs, or brochures, and represents the latest production model.

3.4 Materials. Materials used shall be free from defects which would adversely affect the performance or maintainability of individual components or of the overall assembly. Materials not specified herein shall be of the same quality used for the intended purpose in commercial practice. Unless otherwise specified herein, all equipment, material, and articles incorporated in the work covered by this specification are to be new and fabricated using

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materials produced from recovered materials to the maximum extent possible without jeopardizing the intended use. The term "recovered materials" means materials which have been collected or recovered from solid waste and reprocessed to become a source of raw materials, as opposed to virgin raw materials. Unless otherwise specified, none of the above shall be interpreted to mean that the use of used or rebuilt products are allowed under this specification.

* 3.4.1 Dissimilar metals. Unless protected against electrolytic corrosion, dissimilar metals, as defined in MIL-STD-889, shall not be used in intimate contact with each other.

* 3.5 Safety. An emergency engine shut down shall be provided for the operator. An electric driven pump shall be provided to allow emergency use of hydraulic system. All moving parts and all parts subject to high operational temperatures that are of such a nature or so located as to become a hazard to the operating personnel shall be insulated, enclosed, or guarded to the extent necessary to eliminate the hazard. When incorporated by manufacturer's design, a manual descent valve shall be provided for lowering and retracting boom simultaneously and shall be in easy reach of the ground. All safety and warning devices shall comply with ANSI A92.5 requirements. An alarm shall be installed at the work platform which will be activated automatically when the machine base is more than 5 degrees out of level in any direction. Pilot-operated holding valves shall be provided in the lift cylinders to prevent uncontrolled descent in the event of hose or hydraulic line failure.

3.6 Interchangeability. All work platforms of the same classification furnished with similar options under a specific contract shall be identical to the extent necessary to insure interchangeability of component parts, assemblies, accessories, and spare parts. No deviations shall be acceptable without written approval by the contracting officer.

3.7 Engine. The manufacturer's standard commercial, gasoline or diesel engine shall be furnished. The engine shall be complete with a 12-volt (V) starting and charging system. An air cleaner shall be provided. The power and speed rating of the engine shall be such that the operation of the work platform under any of the requirements or conditions specified herein will not exceed the engine manufacturer's published maximum horsepower. A spark arresting muffler shall be provided. The muffler shall direct noise and exhaust fumes away from the operator; however, exhaust noise and fumes shall not effect or interfere with an operator at the ground control panel. The manufacturer's standard commercial storage battery normally furnished to make a complete electrical system shall be furnished. When specified (see 6.2), batteries furnished shall be dry charged and moisture sealed to prevent intrusion of atmospheric moisture. Electrolyte shall not be furnished.

3.8 Fuel tank. The fuel tank shall have sufficient capacity to operate the work platform not less than eight hours.

* 3.9 Steering. The steering shall be of the two-wheel type and shall be controlled from the work platform. The inside turning radius of the work platform shall be not greater than 17 feet for type I, 19 feet for type II, 21 feet for type III, and 30 feet for type IV and V.

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3.10 Chassis brakes. The work platform shall be provided with automatic spring-applied, hydraulically released brakes on at least two wheels. The brakes shall be designed to hold the work platform in the maximum grade for which the work platform was designed to negotiate.

* 3.11 Ground controls. A control panel shall be located at the base work platform for ground operation of all powered functions of the work platform, including controls for lift, telescopic boom swing, rotation of basket work area, engine off and start, platform/ground control selector switch, and platform leveling or tilting control.

* 3.12 Chassis drive. Unless otherwise specified (see 6.2), the chassis shall be hydrostatically driven. When specified (see 6.2), the chassis shall be hydraulically driven. The chassis shall be capable of forward and reverse movement. Type I work platforms shall be self-propelled up to 3 miles per hour travel speed. Types II, III, IV and V shall be self-propelled from 2.5 to 4 miles per hour travel speed.

* 3.13 Hydraulic system. The main pump shall have a filter and shall be engine driven with an operating pressure as specified by the manufacturer for the type work platform furnished.

3.14 Electrical system. When specified (see 6.2), an electrical system for work platform electrification shall be provided. All electrical materials shall bear the UL listing mark and be listed in the UL Electrical Construction Materials Directory. All electrical equipment and receptacles shall be connected to a 120V, 60 Hertz, 2-pole, 3-wire, grounded, single phase power provided by the manufacturer's standard generator. All wiring and equipment shall be provided with over-current circuit breaker protection. All duplex receptacles shall be hospital grade. All distribution wiring shall be adequately supported and protected with grommets wherever passing through sheet metal, supports, or framework. All receptacles provided with the work platform shall be weatherproof and shall have ground-fault protection. A receptacle shall be provided in the work platform area.

3.15 Outriggers. Outriggers or powered extendable axles may be provided to meet the stability requirements specified herein.

* 3.16 Wheels and tires. The work platform shall be mounted on four wheels of the manufacturer's current standard type and size. The tires shall be pneumatic or polyurethane-filled, as specified (see 6.2), and shall have individual rated load carrying capacities equal to the maximum tire loading imposed by the operation. When tube type tires are furnished, tubes shall be of heavy-duty type and shall be of proper size for tires.

3.17 Horn. The work platform shall be equipped with an electric horn with push-button located in the work platform. The horn shall be protected against moisture and adverse weather conditions.

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* 3.18 Platform. The platform shall be hydraulically controlled and shall be elevated by a telescoping boom. The platform shall be automatically self-leveling; shall be able to rotate at least 160 degrees; and shall contain all operating controls to allow the operator to perform all functions including work platform drive (forward, reverse movement, and braking), platform lift and lower, boom extension and retraction; 360 degrees continuous turntable swings (either direction), and start and stop engine. The basket type enclosed work area for all platform sizes shall be at least 30 inches wide, 60 inches long, with a height of at least 40 inches. The platform area shall also be provided with emergency shut down devices, and deadman control that must be depressed before operator control can be activated.

* 3.19 Boom. The boom shall be of the telescoping type with a swing of 360 degrees. Minimum rated work load shall be 500 lb, and maximum rated work load shall be 1,000. Work loads are rated with work platform positioned on level ground and boom at maximum reach. The boom when fully extended shall be capable of reaching a platform height of 40 feet for type I, 60 feet for type II, 80 feet for type III, and 100 feet for type IV. The boom shall be provided with a swing brake and shall operate smoothly. The boom shall have 360 degrees continuous turntable swing in either direction. When the rated work load varies according to multiple configurations of the work platform, the manufacturer shall clearly describe these configurations, including the rated work load of each on the work platform.

3.20 Stability.

3.20.1 Level ground. With 1-1/2 times the rated load placed on the work platform and the work platform otherwise unloaded, the work platform, while on level ground, shall be stable (see 6.5) through the full range of the boom and platform movement.

3.20.2 Slope. With 1-1/3 times the rated load placed on the work platform and the work platform otherwise unloaded, the work platform, while on a slope of five degrees downward in the direction most likely to cause overturning, shall be stable (see 6.5) through the full range of the boom and platform movement.

* 3.20.3 Structural safety factor. All load-supporting structural elements of the work platform shall have a structural safety factor of not less than 2 to 1 based on the minimum yield strength of the materials used. The load-supporting structural elements of the work platform, that are made of nonductile material which will not deform plastically before breaking, shall have a structural safety factor of not less than 5 to 1 based on the minimum ultimate strength of the materials used.

* 3.21 Dimensions. The maximum retractable dimensions of the work platform shall not exceed those specified in table I for the applicable types. Width dimensions shall be determined with the axles retracted to transport/stowed position.

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TABLE I. Unit dimensions.

	Length (feet)	Height (feet)	Width (feet)
Type I	34	9	8
Type II	34	10	8
Type III	39	12	10
Type IV and V	50	12	10

3.22 Cleaning, treatment, and painting. Surfaces normally painted in good commercial practice shall be cleaned, treated, and painted as specified herein. The color of the finish coat shall be as specified (see 6.2). Surfaces to be painted shall be cleaned and dried to insure that they are free from contaminants such as soil, grease, welding slag and spatter, loose mill scale, water, dirt, corrosion product, or any other contaminating substances. As soon as practicable after cleaning, and before any corrosion product or other contamination can result, the surfaces shall be prepared or treated to insure the adhesion of the coating system. The painting shall consist of at least one coat of primer and one finish coat. The primer shall be applied to a clean, dry surface as soon as practicable after cleaning and treating. Painting shall be with manufacturer's current materials according to manufacturer's current processes and the total dry film thickness shall be not less than 2.5 mils over the entire surface. The paint shall be free from runs, sags, orange peel, or other defects.

3.23 Instruction plates. The work platform shall be equipped with instruction plates suitably located, describing any special or important procedures to be followed in operating and servicing the equipment. Plates shall be of a material which will last and remain legible for the life of the equipment. Plates shall be securely affixed to the equipment with nonferrous metal screws or bolts of not less than 1/8-inch diameter.

3.23.1 Name plate. A name plate will be furnished by the contracting officer for each work platform. The contractor shall stamp all necessary data in the blank spaces provided for the purpose and securely affix it to each work platform in a conspicuous place with non-ferrous metal screws or bolts not less than 1/8-inch diameter. The applicable nomenclature contained in contract item description shall be placed in the top blank.

* 3.23.2 Operating instructions. Manufacturers shall display on the work platform, in a permanent manner, all special warnings, cautions or restrictions necessary for safe operation and include all load ratings along with a statement whether or not the platform and its enclosure are electrically insulated.

3.24 Workmanship.

3.24.1 Steel fabrication. The steel used in fabrication shall be free

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from kinks, sharp bends, and other conditions which would be deleterious to the finished product. Manufacturing processes shall not reduce the strength of the steel to a value less than intended by the design. Manufacturing processes shall be done neatly and accurately. All bends shall be made by controlled means to insure uniformity of size and shape.

3.24.2 Bolted connections. Boltholes shall be accurately punched or drilled and shall have the burrs removed. Washers or lockwashers shall be provided in accordance with good commercial practice, and all bolts, nuts, and screws shall be tight.

3.24.3 Riveted connections. Rivet holes shall be accurately punched or drilled and shall have the burrs removed. Rivets shall be driven with pressure tools and shall completely fill the holes. Rivet heads, when not countersunk or flattened, shall be of approved shape and of uniform size for the same diameter of rivet. Rivet heads shall be full, neatly made, concentric with the rivet holes, and in full contact with the surface of the member.

3.24.4 Welding. Welding procedures shall be in accordance with AWS D1.1.

3.24.5 Castings. All castings shall be sound and free from patching, misplaced coring, warping, or any other defect which reduces the castings ability to perform its intended function.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Responsibility for compliance. All items must meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material.

4.2 Classification of inspections. The inspection requirements specified herein are classified as follows:

- a. First article inspection (see 4.2.1).
- b. Quality conformance inspection (see 4.2.2).
- c. Packaging inspection (see 4.5).

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4.2.1 First article inspection. The first article inspection shall be performed on one work platform when a first article is required (see 3.2 and 6.2). This inspection shall include the examination of 4.3 and the tests of 4.4.1 through 4.4.1.4. The first article may be either a first production item or a standard production item from the supplier's current inventory provided the item meets the requirements of the specification and is representative of the design, construction, and manufacturing technique applicable to the remaining items to be furnished under the contract.

4.2.2 Quality conformance inspection. The quality conformance inspection shall include the examination of 4.3, the test of 4.4.2, and the packaging inspection of 4.5.

4.3 Examination. Each work platform shall be examined for compliance with the requirements specified in section 3 of this specification. Any redesign or modification of the contractor's standard product to comply with specified requirements, or any necessary redesign or modification following failure to meet specified requirements shall receive particular attention for adequacy and suitability. This element of inspection shall encompass all visual examinations and dimensional measurements. Noncompliance with any specified requirements or presence of one or more defects preventing or lessening maximum efficiency shall constitute cause for rejection.

4.4 Tests. The first article shall be tested in accordance with 4.2.1. Production work platforms shall be tested in accordance with 4.4.2.

4.4.1 First article tests. The work platform shall be fueled and serviced in accordance with the manufacturer's recommendations preparatory to testing. The first article shall be tested to verify compliance with the operational requirements of this specification.

4.4.1.1 Propulsion test. Propulsion speed shall be measured to verify conformance to 3.11.

4.4.1.2 Load test. The load test shall be conducted with the work platform resting on approximately level ground, and the outriggers, when provided, in place. The platform shall be loaded with an evenly distributed load equal to 1-1/2 times the rated working load and exercised through the full range of horizontal and vertical positions in which the platform can be placed.

4.4.1.3 Stability test on level ground. The work platform shall maintain stability (see 6.5) while sustaining a static load equal to 1-1/2 times its rated work load evenly distributed on the platform throughout its entire range of motion while the work platform is on a firm and level surface.

4.4.1.4 Stability test on slope. The work platform shall maintain stability (see 6.5) while sustaining a static load equal to 1-1/3 times its rated work load evenly distributed on the platform throughout its entire range of motion while the work platform is on a slope of five degrees downward in the direction most likely to cause overturning. If outriggers are provided, they shall be extended.

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4.4.2 Production test. Each work platform shall be subjected to the tests as specified herein. Failure to pass any phase of these tests shall be cause for rejection. Each work platform control shall be operated not less than ten times to verify proper operation and response of each component. Hydraulically actuated components shall be observed for evidence of lurching or binding and leaking of fluids.

4.5 Packaging inspection. The preservation, packing, and marking of the item shall be examined in accordance with the quality conformance inspection requirements of MIL-STD-162.

5. PACKAGING

5.1 Preservation, packing, and marking. Preservation, packing, and marking shall be in accordance with the requirements of MIL-STD-162, and the following modification, with the level of preservation and the level of packing as specified (see 6.2). The following requirement shall be in lieu of that given in MIL-STD-162 for levels A and B preservation:

5.1.1 Brakes.

5.1.1.1 General. Clean all surfaces as required to remove contaminants. Coat unpainted exterior surfaces of rods, levers, cables, clevises, linkage, and associated parts with type P-1 preservative. Remove brake drum covers and spray enclosed metallic components with primer TT-P-664 or MIL-P-53030. Spray coat brake drum friction surfaces with a very thin coat (0.5 - 0.75 mil thick) of primer. Coat friction surfaces of cams, adjusting screws, and anchor pins with type P-6 or P-7 preservative. Backoff all brake shoe adjusters for maximum clearance between brake drum and brake shoes. Do not apply coating of any type to contact surfaces of electric brakes. Adjust brake shoes to provide maximum clearance to drum surfaces and lined surfaces. In a conspicuous location in the operator's compartment, attach a weatherproof warning tag marked, "Brakes preserved. Do not apply brakes when vehicle is being moved. Use tow bar or similar arrangement for moving vehicle. Adjust brakes before placing equipment into operation." Markings shall be applied with waterproof material.

5.1.1.2 Hydraulic brakes and steering systems. Remove and disassemble the brake cylinder. Clean the cylinders, pistons, springs, and other metallic surfaces normally in contact with hydraulic brake fluid with alcohol conforming to O-E-760. Flush hydraulic lines with alcohol. Follow this by cleaning process C-8. Dry by procedure D-1. Coat the cylinders, pistons, springs, rubber cups, rubber dust boots, and other internal metallic and rubber parts with silicone protector, MIL-C-21567. Fill the hydraulic system and the hydraulic fluid supply reservoirs with silicone brake fluid, MIL-B-46176. Bleed as necessary to assure the system is completely filled with fluid. After filling pressure bleeder reservoir, allow fluid to stand three to five minutes for air bubbles to escape, before replacing cap. In order to prevent air entrainment, if vehicle is manually bled, do not depress brake pedal over one-half of travel.

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6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. The telescoping boom platform lift truck is intended for use as a self-propelled maintenance platform for replacement of lamps, tree trimming, painting, window washing, and many other types of overhead construction and maintenance work.

6.2 Ordering data. Acquisition documents should specify the following:

- a. Title, number, and date of this specification.
- b. Type of work platform required (see 1.2).
- c. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents reference (see 2.1.1 and 2.2).
- d. When a first article is required for inspection and approval (see 3.2 and 4.2.1).
- e. When batteries furnished shall be shipped dry charged and moisture sealed (see 3.7).
- f. When a hydraulic drive chassis is required (see 3.12).
- g. When an electrical system for electrification of work platform is required (see 3.14).
- h. Type of tires to be furnished (see 3.16).
- i. Color required (see 3.22).
- j. Level of preservation and level of packing required (see 5.1).

6.3 Data requirements. When this specification is used in an acquisition and data are required to be delivered, the data requirements should be developed as specified by an approved Data Item Description (DD Form 1664) and delivered in accordance with the approved Contract Data Requirements List (CDRL), incorporated into the contract. When the provisions of DOD FAR Supplement, Part 27, Sub-Part 27.475-1 (DD Form 1423) are invoked and the DD Form 1423 is not used, the data should be delivered by the contractor in accordance with the contract or purchase order requirements.

6.4 First article. When a first article inspection is required, the item will be tested and should be a first production item or it may be a standard production item from the contractor's current inventory as specified in 4.2.1. The first article should consist of one complete work platform. The contracting officer should include specific instructions in acquisition documents regarding arrangements for examination, test, and approval of the first article.

* 6.5 Definition. Stability - A condition of the work platform in which the sum of the moments which tend to overturn the unit is less than the sum of the moments tending to resist overturning.

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6.6 Changes in classification. The classification of work platforms in this document differs from the superseded specification in the following respects:

<u>MIL-T-29218(YD)</u>	<u>MIL-T-29218A(YD)</u>
Type I - 40 foot boom.	Same.
Type II - 60 foot boom.	Same.
Type III - 80 foot boom.	Same.
Type IV - not used.	Type IV - 90 foot boom.
Type V - not used.	Type V - 100 foot boom.

6.7 Subject term (key word) listing.

Work platform
Chassis
Electrical system
Stability
Dissimilar metals

6.8 Changes from previous issue. The margins of this specification are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Preparing activity:
Navy - YD

Project 3930-N009

INSTRUCTIONS: In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (*DO NOT STAPLE*), and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

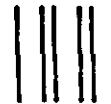
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DEPARTMENT OF THE NAVY

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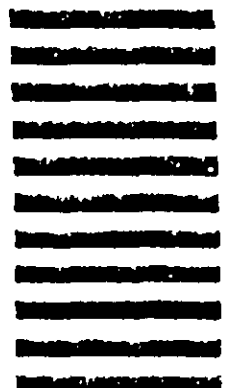
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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER MIL-T-29218A(YD)		2. DOCUMENT TITLE TRUCK, LIFT, PLATFORM, GASOLINE-ENGINE-DRIVEN, TELESCOPING BOOM	
3a. NAME OF SUBMITTING ORGANIZATION		4. TYPE OF ORGANIZATION (Mark one)	
b. ADDRESS (Street, City, State, ZIP Code)		<input type="checkbox"/> VENDOR	
		<input type="checkbox"/> USER	
		<input type="checkbox"/> MANUFACTURER	
		<input type="checkbox"/> OTHER (Specify): _____	
5. PROBLEM AREAS			
a. Paragraph Number and Wording:			
b. Recommended Wording:			
c. Reason/Rationale for Recommendation:			
6. REMARKS			
7a. NAME OF SUBMITTER (Last, First, MI) - Optional		b. WORK TELEPHONE NUMBER (Include Area Code) - Optional	
8. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional		9. DATE OF SUBMISSION (YYMMDD)	

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