

MIL-S-3905D  
AMENDMENT 1  
4 February 1985

MILITARY SPECIFICATION

SLING, PALLET

This amendment forms a part of Military Specification MIL-S-3950D, dated 19 July 1983, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

DD Form 1426 note, delete entirely and substitute:

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: USA Belvoir Research and Development Center, ATTN: STRBE-DS, Fort Belvoir, VA 22060-5606 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

PAGE 2

2.1.1, under SPECIFICATIONS, MILITARY, delete:

"MIL-P-23377 - Primer Coatings: Epoxy-Polyamide, Chemical and Solvent Resistant."

2.1.1, under STANDARDS, MILITARY, delete:

"MIL-STD-1188 - Commercial Packaging of Supplies and Equipment."

PAGE 3

2.2, delete in its entirety and substitute:

"2.2 Other publications. The following document(s) form a part of this specification to the extent specified herein. The issues of the documents which are indicated as DoD adopted shall be the issue listed in the current DoDISS and the supplement thereto, if applicable."

FSC 3940

MIL-S-3905D  
AMENDMENT 1

"AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- ASTM A 53 - Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless.
- ASTM B 633 - Electrodeposited Coatings of Zinc on Iron and Steel.
- ASTM D 3951 - Standard Practice for Commercial Packaging.

"(Application for copies should be addressed to American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

"(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)"

PAGE 4

3.3.1.1, delete entirely and substitute:

"3.3.1.1 Dissimilar metals. Dissimilar metals, as defined in MIL-STD-889, shall be electrically insulated from one another to minimize or prevent galvanic corrosion. Insulation may be provided by an insulating barrier such as a corrosion inhibiting sealant conforming to MIL-S-81733 or chromate tape conforming to MIL-G-20241. Protection against any galvanic corrosion could also be obtained by exclusion of the electrolyte if feasible."

TABLE I, delete entirely and substitute:

"TABLE I. Components and strength requirements for slings types I, II, and III.

Type	Wire rope, dia. (inch)	Construction (IWRC)	Lifting bars (inches) (nominal)	Spreader bars (inches)	Lifting ring (inches)	Size of shackles (inch)	Proof load per leg (lbs)	Sling rated capacity* (lbs)	Net req.
I	1/2	6 x 19	1-1/2 x 58	3 x 3 x 58	1-1/8 x 6	1	1,250	2,500	yes
II	1/2	6 x 19	1-1/2 x 60	None	1-3/8 x 6	1	2,000	4,000	no
III	3/4	6 x 19	2 x 59-1/2	3 x 3 x 60-3/8	1-1/2** x 6	1-1/8	3,750	7,500	no

\* Rated capacity is the maximum safe working load recommended based on a safety factor of five.

\*\* Type II lifting ring may be used if strength requirements for 1-1/2 x 6" ring are met."

MIL-S-3905D  
AMENDMENT 1

PAGE 5

3.6, line 3, delete "ANSI/ASTM B633" and substitute "ASTM B 633".

PAGE 9

5.2.3, line 2, delete "MIL-STD-1188" and substitute "ASTM D 3951".

5.3.2, line 2, delete "MIL-STD-1188" and substitute "ASTM D 3951; in addition, weight and cube of the pack shall be marked on the shipping container."

PAGE 11

Figure 1, delete and substitute new figure 1.

PAGE 12

Figure 2, delete and substitute new figure 2.

PAGE 13

Figure 3, delete and substitute new figure 3.

PAGE 14

Figure 4, delete and substitute new figure 4.

Custodians:

Army - ME  
Navy - SH  
Air Force - 99

Preparing activity:

Army - ME

Project 3940-0177

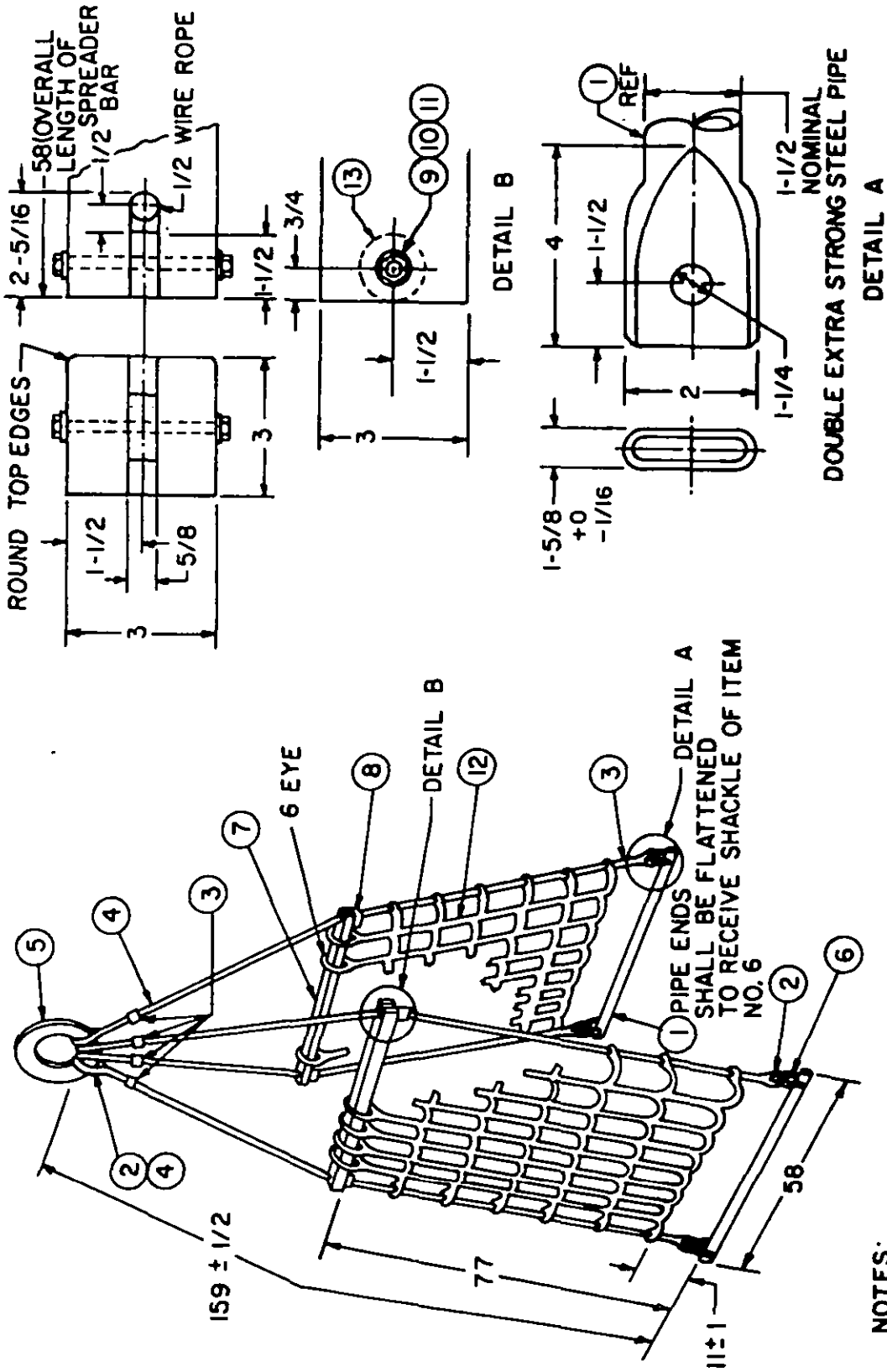
Review activities:

Army - AV, MT  
Navy - SA  
Air Force - 84  
DLA - IS

User activity:

Navy - MC

MIL-S-3905D  
AMENDMENT 1

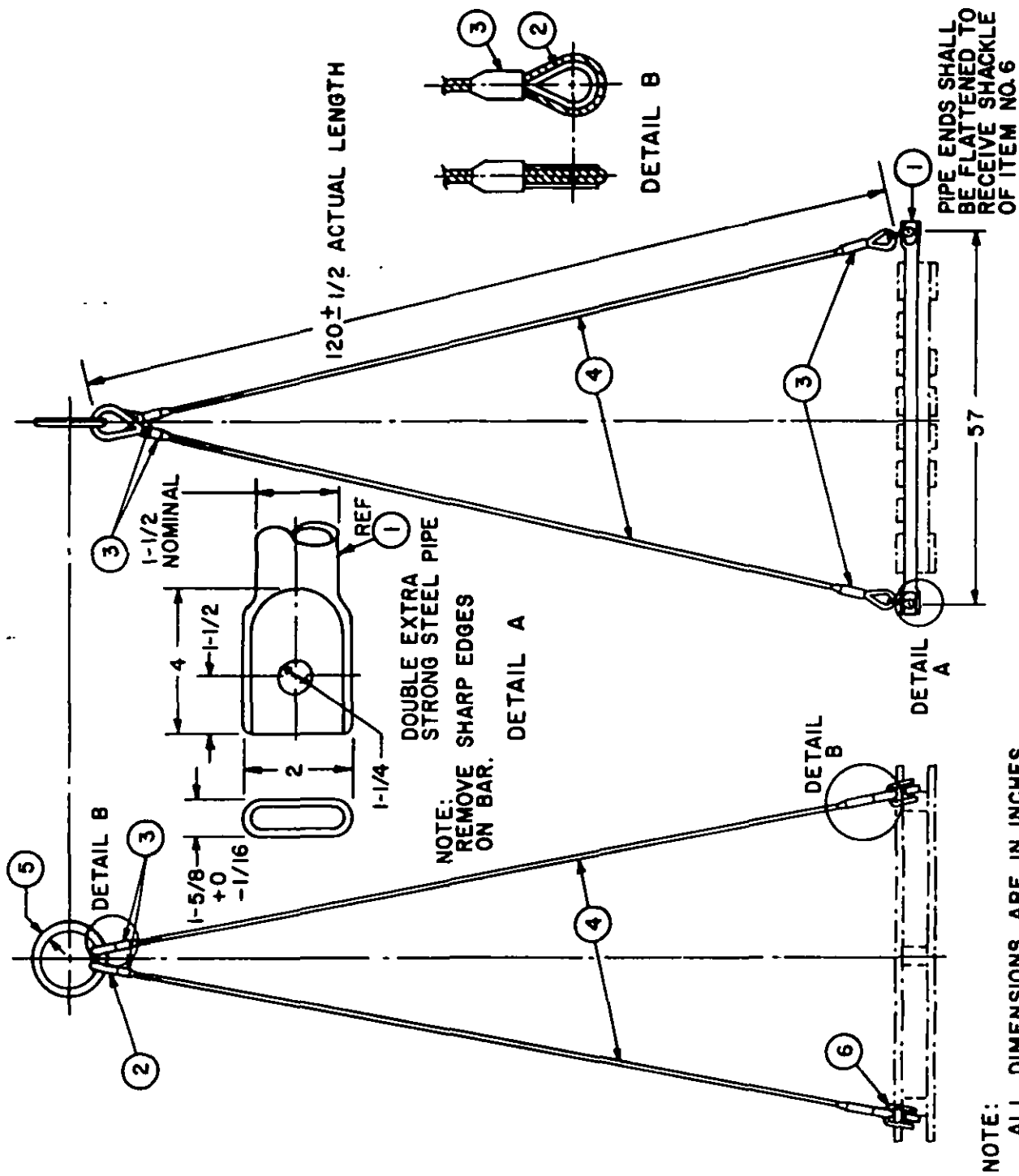


NOTES:  
 1. ALL DIMENSIONS ARE IN INCHES.  
 2. DRILL 5/16 DIA HOLE IN ITEM 7 FOR INSTALLATION OF ITEM 9.

FIGURE 1. Details of type I sling with net.

X-1572E

MIL-D-3905D  
AMENDMENT 1

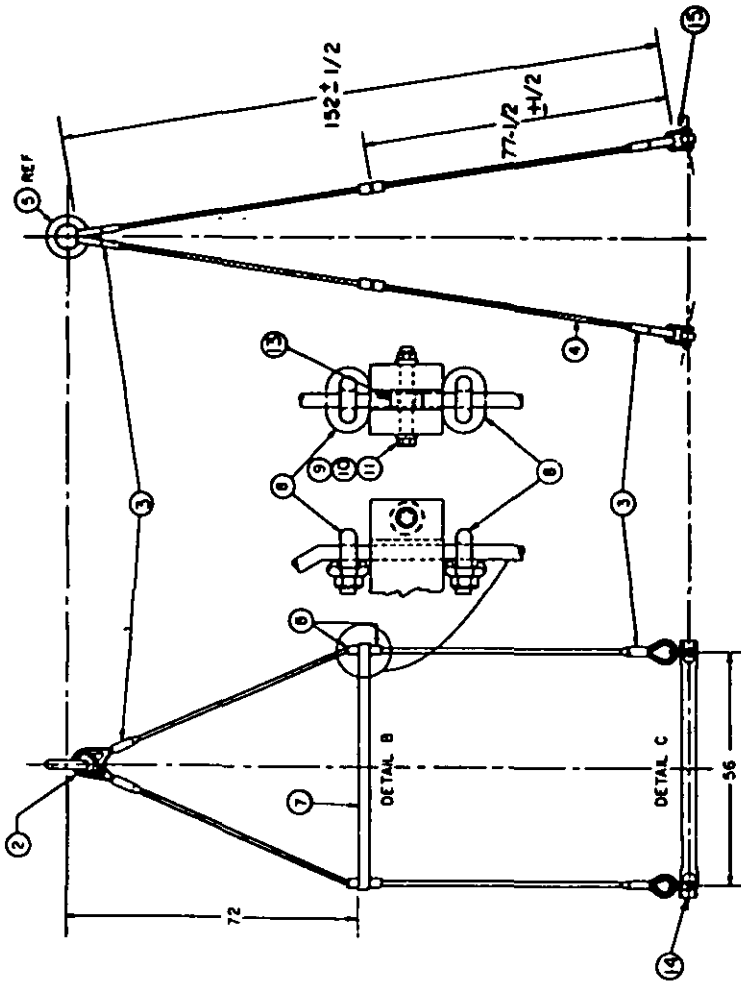


NOTE:  
ALL DIMENSIONS ARE IN INCHES.

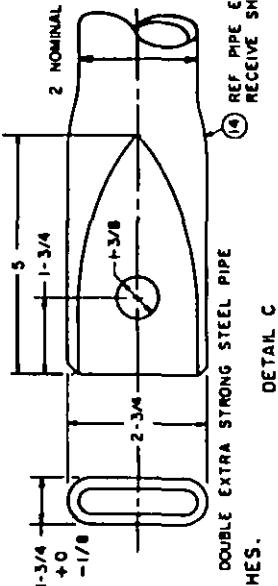
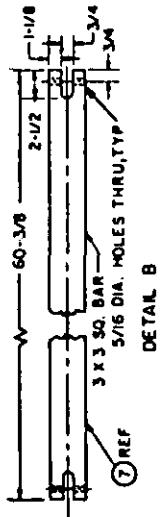
FIGURE 2. Assembly details of type II sling.

X-1573E

MIL-S 3905D  
AMENDMENT 1



ASSEMBLY



NOTE: ALL DIMENSIONS ARE IN INCHES.  
DOUBLE EXTRA STRONG STEEL PIPE  
REF PIPE ENDS SHALL BE FLATTENED TO RECEIVE SHACKLE OF ITEM NO.15

FIGURE 3. Details of type III sling with spreader bars and lifting bars.

X-1574E

ITEM NO.	FIG. 1	FIG. 2	FIG. 3	DESCRIPTION	SPECIFICATION
	Quantity required				
1	2	2	0	Lifting bars - pipe 1-1/2 inch diam., type S, grade A weight class XXS; or type F, weight class XXS	ASTM-A53
2	8	8	8	Thimbles, type III	FF-T-276
3	8	8	8	Swaged sleeves, type I	MIL-F-52553
4	4	4	4	Wire rope, type, I, class 2, 6 x 19, improved plow steel, galvanized (IWRC)	RR-W-410
5	1	1	1	Lifting rings (See table I for size) type VI	RR-O-271
6	4	4	0	Shackles - 1 inch size D - screw pin - type IV - CL. 1	RR-C-271
7	2	0	2	Spreader - wood - 3 x 3 inch x S4S, type II	MM-L-736
8	4	0	8	Wire rope clamp - sgl. grp., type I, CL. 2	FF-O-450
9	4	0	4	Bolts - 1/4-20 UNC-2A x 3-1/2 lg Hex Hd, CS - CD pld, type 2	FF-B-575
10	4	0	4	Hex nuts - plain - CS - CD - pld. 1/4-20 UNC-2B	MS-51967
11	4	0	4	Washers - flat - CS - CD - pld. - I.D. 0.281	MS-27183
12	2	0	0	Rope net - nylon - 3/4 inch crcmf.	MIL-R-17343
13	4	0	4	Spacer, aluminum rd. rod, 1-1/2 inch dia. w/ 3/8 hole type 6061, thickness shall be 5/8 inch for type I sling and 3/4 inch for type III sling	ASTM-B221
14	0	0	2	Lifting bars - pipe 2 inch diam., type S, grade A, weight class XXS, or type F, weight class XXS	ASTM-A53
15	0	0	4	Shackles - 1-1/8 inch size D - screw pin - type IV - CL. 1	RR-C-271

FIGURE 4. List of materials.

X-2112D