

INCH-POUNDMIL-C-104C
AMENDMENT 1
24 June 1993

MILITARY SPECIFICATION

CRATES, WOOD: LUMBER AND PLYWOOD
SHEATHED, NAILED, AND BOLTED

This amendment forms a part of Military Specification MIL-C-104C, dated 30 March 1992 and is approved for use by all Departments and Agencies of the Department of Defense.

The attached insertable replacement pages listed below are replacements for stipulated pages. When the new pages have been entered in the document, insert the amendment as the cover sheet to the specification.

<u>Replacement page</u>	<u>Page replaced</u>
39	39 (Table XXIV)
40	Reprinted without change

Custodians.
Army - ME
Navy - YD
Air Force - 69

Preparing Activity:
Navy - YD

(Project 8115-0552)

Review Activities:
Army - CR, SM, GL, EA, AR
Navy - AS, MC, SA
Air Force - 99

User Activities
Army - AT, ER

AMSC N/A

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FSC 8115

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TABLE XXIV. Assembly nailing of nailed crate (see figure 26). 1/

Fasten		Nail size and spacing		
Part	To part	Lumber sheathing	Plywood sheathing	Notes
Sheathing of side and end	Skid and end header (skid base)	Eightpenny minimum size 3-inch maximum spacing	Sevenpenny minimum size 3-inch maximum spacing	See nailing table XXV for number required
	End and side sills (sill base)	2 rows up to 4x4 skids 3 rows 4x6 skid (on edge) 3 rows for all sill bases	2 rows up to 4x4 skids 3 rows for 4x6 skid (on edge) 3 rows for all sill bases	
Corner strut of end	Corner strut of side	Twentypenny predrill 12-inch spacing	Twelvepenny 12-inch spacing	Predrill for twentypenny nails, 75% of shank diameter
Sheathing of side	Corner strut of end	Eightpenny minimum size 6- to 8-inch spacing	Sevenpenny minimum size 6- to 8-inch	

1/ For fastening top to sides and ends use strapping as specified in 3.3.5.5 and shown in figure 27

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TABLE XXV Number of nails per each 1,000 pound gross load (nailing sheathing to base around perimeter of nailed crate).*

Type of nail	Size of nail	Wood group of skid		
		II	III	IV
Sinkers or coolers	7d	23	26	19
	8d or 9d	19	21	16
	10d	18	19	14
	12d	15	16	12
Corkers	7d	24	26	19
	8d or 9d	17	19	14
	10d	15	16	12
	12d	15	16	12

* Nails shall not be less than 2 per board (lumber sheathing) and shall neither be more than 3 inches apart nor less than 1-1/2 inches apart