

# UNITIZATION PROCEDURES FOR PALLET BOX PACKING OF RESOURCE RECOVERY AND DISPOSITION ACCOUNT (RRDA) MATERIEL

**WARNING**

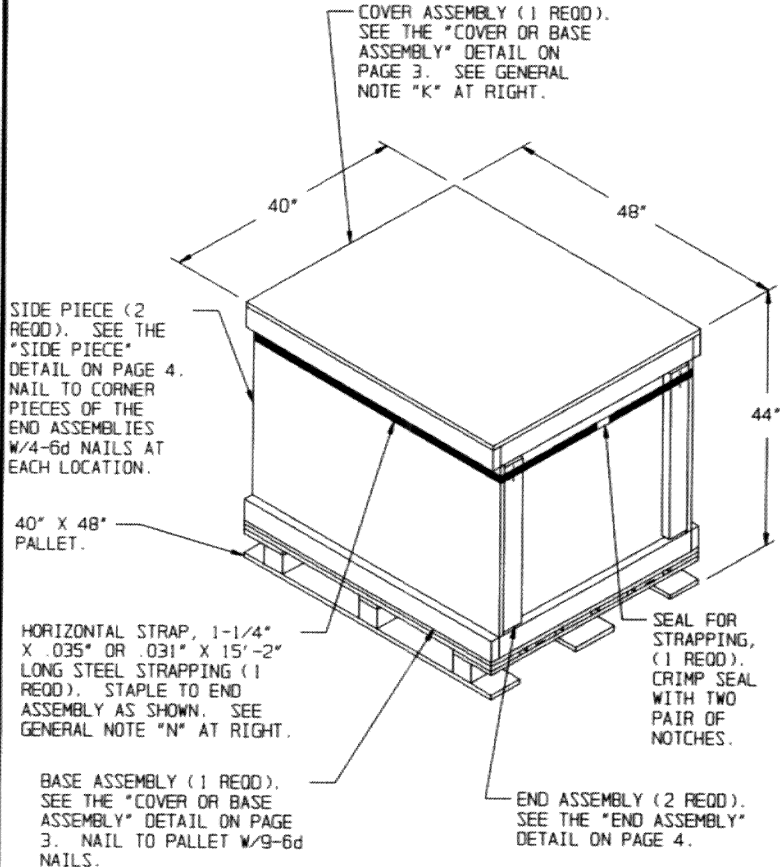
THIS DRAWING IS ONLY AUTHORIZED FOR STORAGE OPERATIONS. THESE PALLET BOXES ARE NOT TO BE USED FOR TRANSPORTING ASSETS OFF THE INSTALLATION. A TIGHT PACK MUST BE ENSURED PRIOR TO INTRA-DEPOT MOVEMENT.

**INDEX**

<u>ITEM</u>	<u>PAGES</u>
PALLET UNIT - - - - -	2
DUNNAGE DETAILS - - - - -	3,4

U.S. ARMY MATERIEL COMMAND DRAWING			
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APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND <i>Alton L. Snyder</i> U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL		<i>D. J. Michalek</i> <i>W. J. Smith</i> <i>J. A. Krohn</i> LOGISTICS ENGINEERING OFFICE	
		MARCH 1994	
CLASS	DIVISION	DRAWING	FILE
19	48	4296	20PM 1010

DO NOT SCALE



**GENERAL NOTES:**

- A. DIMENSIONAL LUMBER SPECIFIED THROUGHOUT THE DRAWING IS OF NOMINAL SIZE. FOR EXAMPLE, 2" X 4" MATERIAL IS ACTUALLY 1-1/2" THICK BY 3-1/2" WIDE.
- B. UNLESS OTHERWISE SPECIFIED, A MANUFACTURING TOLERANCE OF + OR - 1/4" IS ALLOWED ON ALL DIMENSIONS. ALTHOUGH A + OR - 1/4" TOLERANCE IS ALLOWED, ALL DIMENSIONAL LUMBER MEMBERS IN A SET, SUCH AS VERTICAL PIECES IN AN END FILLER ASSEMBLY, MUST BE WITHIN 1/8" OF THE SAME LENGTH.
- C. THE STYLE 1 PALLET DELINEATED IN THE DETAIL AT LEFT NEED NOT HAVE CHAMFERS OR STRAP SLOTS AS SPECIFIED WITHIN MILITARY SPECIFICATION MIL-P-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.
- D. REGARDLESS OF THE QUANTITY OF RRDA AMMUNITION TO BE PALLETIZED, THE TOTAL WEIGHT OF A FULLY LOADED PALLET UNIT WILL NOT EXCEED 3,000 POUNDS. WHEN THE TOTAL WEIGHT OF A FULLY LOADED PALLET UNIT EXCEEDS 3,000 POUNDS, AMMUNITION MUST BE REMOVED.
- E. CONVENTIONAL AMMUNITION IN THE RRDA, EXCLUDING GUIDED MISSILES, ROCKETS, SEPARATE LOADING PROPELLANT CHARGES, AND BULK PROPELLANTS, MAY BE STORED IN PALLET BOXES. STOCKS MUST BE COMPATIBLE.
- F. PALLET BOXES MUST BE STENCILED (PLACARDS MAY BE USED) AS FOLLOWS:
  1. IDENTITY OF CONTENTS FOR SURVEILLANCE AND INVENTORY PURPOSES, AS LOCALLY DETERMINED. A LISTING MAY BE ATTACHED TO THE PALLET BOX IN LIEU OF STENCILING.
  2. PALLET BOX SERIAL NUMBER (FOR REFERENCE).
  3. PALLET BOX REFERENCE NUMBER 19-48-4296 SHALL BE STENCILED ON EACH PALLET BOX FOR IDENTIFICATION OF PACK PROCEDURE.
- G. MARKINGS MUST BE VISIBLE FROM AN INSPECTION AISLE.
- H. MATERIAL, AS A MINIMUM, MUST BE IN AN INNER PACK PRIOR TO BEING PLACED IN THE PALLET BOX.
- J. PALLET BOXES MUST BE ACCESSIBLE FOR SAFETY-IN-STORAGE INSPECTIONS WITH MINIMAL FORKLIFT MOVES.
- K. COVER ASSEMBLIES WILL BE UTILIZED FOR STACKING CONFIGURATIONS BUT ARE OPTIONAL IF UNITS ARE NOT STACKED.
- L. MAGAZINE DATA CARDS (MDCS) WILL BE PLACED IN A LARGE MDC HOLDER IN DEPARTMENT OF DEFENSE IDENTIFICATION CODE (DDIC) AND NATIONAL STOCK NUMBER (NSN) SEQUENCE.
- M. A LISTING OF THE MATERIAL CONTAINED IN EACH SERIAL NUMBERED PALLET BOX WILL BE MAINTAINED TO FACILITATE INVENTORY, SURVEILLANCE, AND STORAGE OPERATIONS.
- N. HORIZONTAL STRAP MAY BE OMITTED IF COVER IS BEING UTILIZED.
- O. ANY RETROGRADE PALLET BOX THAT MEETS OR EXCEEDS THE DESIGN REQUIREMENTS OF THIS PROCEDURE MAY BE UTILIZED AS AN ALTERNATE IN ACCORDANCE WITH THIS DRAWING.

**PALLET UNIT**

**UNIT DATA**

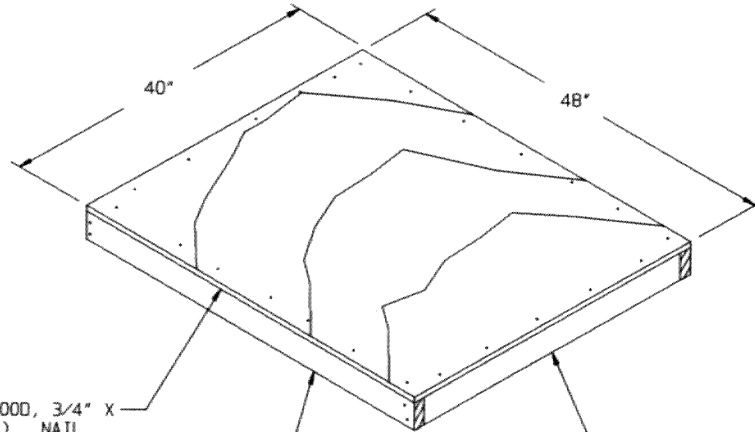
RRDA MATERIAL AMMUNITION INSIDE BOX	2,722 LBS (MAXIMUM)
DUNNAGE	198 LBS
PALLET	80 LBS
<b>TOTAL WEIGHT</b>	<b>3,000 LBS (MAXIMUM)</b>
<b>CUBE</b>	<b>48.9 CU FT (MAXIMUM)</b>

**MATERIAL SPECIFICATIONS**

- PALLET - - - - - : 4-WAY ENTRY, STYLE I, TYPE I, MIL SPEC MIL-P-15011.
- LUMBER - - - - - : SEE TM 743-200-1 (DUNNAGE LUMBER) AND FED SPEC MM-L-751.
- NAILS - - - - - : FED SPEC FF-N-105; COMMON.
- PLYWOOD - - - - - : FED SPEC A-A-55057; GROUP B, CONSTRUCTION AND INDUSTRIAL PLYWOOD, INTERIOR WITH EXTERIOR GLUE, GRADE C-D. IF SPECIFIED GRADE IS NOT AVAILABLE, A BETTER INTERIOR OR AN EXTERIOR GRADE MAY BE SUBSTITUTED.
- STRAPPING, STEEL - - : FED SPEC ASTM-D3953; CLASS 1, TYPE I OR IV, HEAVY DUTY, FINISH B (GRADE 2).
- SEAL, STRAP - - - - - : FED SPEC ASTM-D3953; TYPE D, STYLE I, II, OR IV, CLASS H, FINISH B (GRADE 2).
- HARDBOARD - - - - - : ANSI/AHA A135.4, CLASS 1.
- FIBERBOARD - - - - - : AS REQUIRED, FED SPEC PPP-F-320.
- CUSHIONING MATERIAL : AS REQUIRED, PPP-C-1752 AND/OR PPP-C-1797.

**BILL OF MATERIAL**

LUMBER	LINEAR FEET	BOARD FEET / LBS
2" X 4"	38.00	25.33 / 50.66
NAILS	NO. REOD	POUNDS
6d (2")	37	0.22
10d (3")	64	0.98
PALLET, 40" X 48"	1 REOD	80 LBS
STEEL STRAPPING, 1-1/4"	15.17' REOD	2.17 LBS
SEAL FOR 1-1/4" STRAPPING	1 REOD	NIL
PLYWOOD, 3/4"	69.58 SQ FT REOD	143.51 LBS
STAPLE, 1-17/32" X 3/4"	4 REOD	NIL

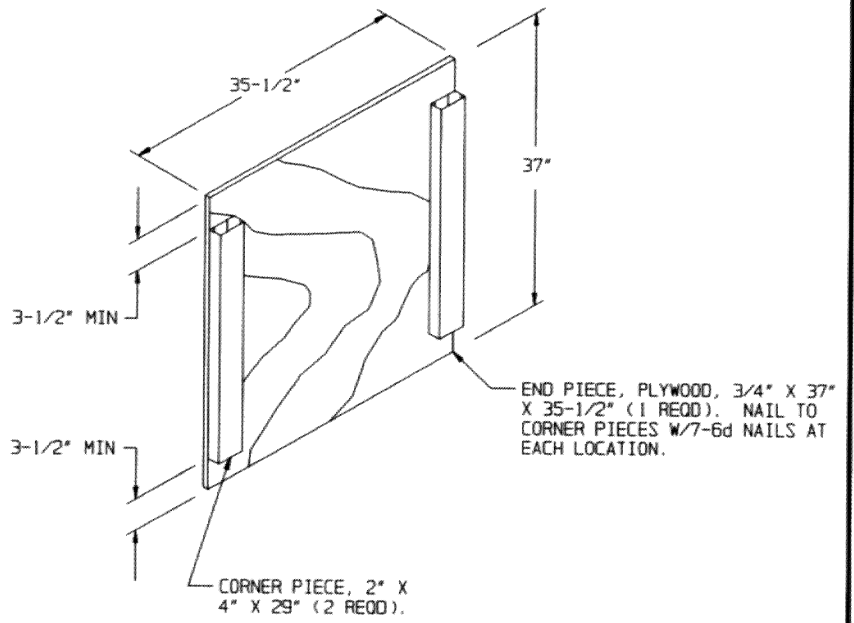


COVER PIECE, PLYWOOD, 3/4" X  
40" X 48" (1 REQD). NAIL  
TO LATERAL PIECES W/5-10d  
NAILS AT EACH LOCATION.  
NAIL TO LONGITUDINAL PIECES  
W/7-10d NAILS AT EACH  
LOCATION.

LONGITUDINAL PIECE, 2" X 4" X 48"  
(2 REQD). NAIL TO LATERAL PIECES  
W/2-10d NAILS AT EACH END.

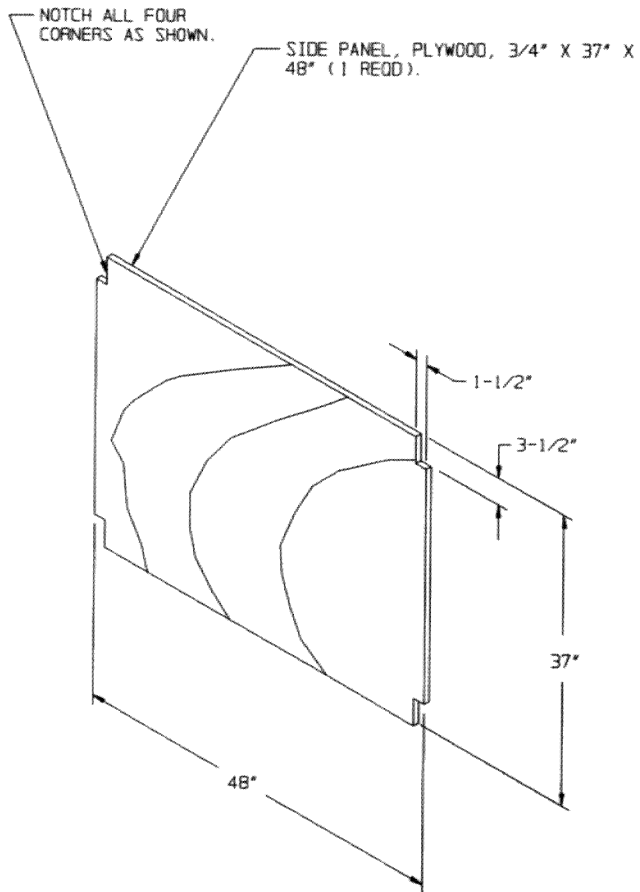
LATERAL PIECE, 2" X 4" X 37"  
(2 REQD).

COVER OR BASE ASSEMBLY  
(SEE GENERAL NOTE "K" ON PAGE 2)



**END ASSEMBLY**

(2 REQD)



**SIDE PIECE**

(2 REQD)