

APPENDIX 10B

UNITIZATION PROCEDURES FOR BOXED AMMUNITION AND COMPO- NENTS ON 4-WAY ENTRY PALLETS

**WARHEAD, 2.75 INCH ROCKET, PACKED 4 PER
WOODEN BOX, UNITIZED 60 BOXES PER 40" X 48"
PALLET; APPROX BOX SIZE 20-13/16" L X 8-1/4"
W X 9-1/4" H**

**NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION
PROCEDURES DRAWING 19-48-4015-20PA1004.**

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U.S. ARMY MATERIEL COMMAND DRAWING

<p>APPROVED, COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER</p> <p>HANSEN.JO.1376 SEPH.W.1376 495538</p> <p><small>Digitally signed by HANSEN.JOSEPH.W. 1376495538 Date: 2021.05.05 15:19:27 -05'00'</small></p> <p style="text-align: right;">FCDD-ACE-LTP</p>	<p>CAUTION: VERIFY PRIOR TO USE AT https://www.dau.edu/cop/ammo/Pages/Default.aspx THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4.</p>		<p>DO NOT SCALE</p>		<p>SEPTEMBER 1983</p>		
<p>APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND</p> <p>WARD.GINA.10286 M.1369379808</p> <p><small>Digitally signed by WARD.GINA.M.1369379808 Date: 2021.05.06 10:24:46 -05'00'</small></p> <p style="text-align: right;">AMSJM-MLT</p>	DESIGN ENGINEER	BASIC REV.	ROBERT REGAZZI SPENCER HOVEY		REVISION NO. 1	APRIL 2021	
<p>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</p> <p>BRAILSFORD.KEITH H.ANTHONY.10286 55661</p> <p><small>Digitally signed by BRAILSFORD.KEITH.ANTHONY. 1028655661 Date: 2021.05.06 14:05:30 -05'00'</small></p> <p style="text-align: center;">U.S. ARMY DEFENSE AMMUNITION CENTER</p>	ENGINEERING DIVISON	TEST REPORT	EXPLOSIVE SAFETY DIRECTORATE	FIEFFER.LAUR A.A.1230375727	FELICIANO.ADI N.1259200373	FAIRHURST.ROBE RT.JOHN.10157688 80	SEE THE REVISION LISTING ON PAGE 2
				<small>Digitally signed by FIEFFER.LAURA.A.1230375727 Date: 2021.04.06 12:30:54 -05'00'</small>	<small>Digitally signed by FELICIANO.ADIN.1259200373 Date: 2021.04.08 13:59:52 -05'00'</small>	<small>Digitally signed by FAIRHURST.ROBERT.JOHN.101 5766880 Date: 2021.04.15 11:16:01 -05'00'</small>	CLASS DIVISION DRAWING FILE
				19	48	4015/10B	20PA1004

PALLET UNIT DATA				
ITEMS INCLUDED		*HAZARD CLASS AND DIVISION	*COMPATIBILITY GROUP	APPROX WEIGHT (LBS)
NSN	DODIC			
1340-				
00-782-5848	H855	1. 2. 1	H	3, 572
00-782-5849	H849	1. 2. 1	H	3, 572

*HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PURPOSES ONLY. VERIFICATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).

REVISION

REVISION NO. 1, DATED APRIL 2021, CONSISTS OF CHANGES PER ECP MI-P1695 INCLUDING:

1. DELETING STRAP CUTTER NOTE (GENERAL NOTE "F").
2. UPDATING DRAWING TO CURRENT STANDARD FORMAT.

GENERAL NOTES

A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002. TO PRODUCE AN APPROVED UNIT LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN THIS APPENDIX. ANY EXCEPTIONS TO THE BASIC PROCEDURES ARE SPECIFIED IN THIS APPENDIX.

B. DIMENSIONS, CUBE AND WEIGHT OF A PALLET UNIT WILL VARY SLIGHTLY DEPENDING UPON THE ACTUAL DIMENSIONS OF THE BOXES AND THE WEIGHT OF THE SPECIFIC ITEM BEING UNITIZED.

C. THE LOAD STRAPS MAY BE THREADED THROUGH THE STRAP SLOTS OF A PALLET OR PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING THE BOXES ON THE PALLET. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.

D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE DECK/STRINGER BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE LOAD STRAPS HAVE BEEN TENSIONED AND SEALED.

E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR UNLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADING - - - - 19-48-4115-5PA1002
 TRUCKLOADING - - - - 19-48-4117-11PA1003
 STORAGE - - - - 19-48-4118-1-2-3-4-14-22PA1002

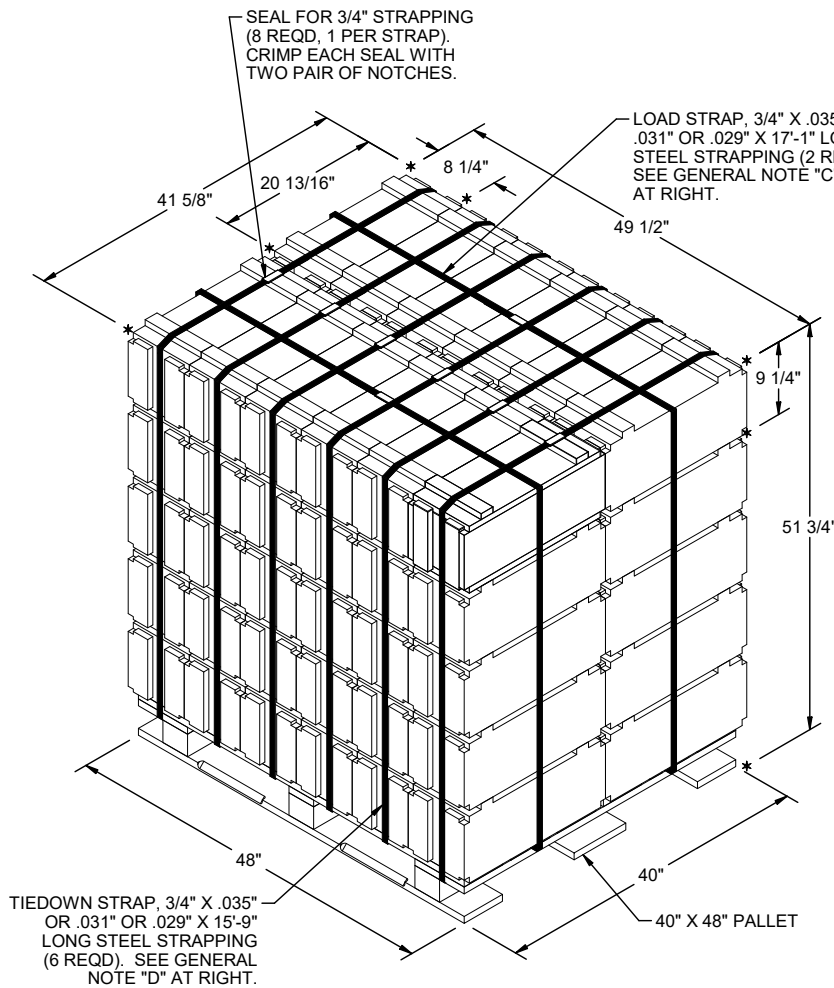
END OPENING ISO CONTAINER - - - - 19-48-4153-15PA1002
 MILVAN - - - - 19-48-4166-15PA1003
 SIDE OPENING ISO CONTAINER - - - - 19-48-4267-15PA1009

F. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS REVISION TO THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS REVISION.

G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 2.75" ROCKET WARHEADS WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON PAGE 2, PROVIDED THE BOX PACK DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.

H. THE STYLE 1 PALLET DELINEATED IN THE DETAIL AT LEFT NEED NOT HAVE CHAMFERS OR STRAP SLOTS AS SPECIFIED WITHIN MILITARY SPECIFICATION MIL-DTL-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.

J. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, TWO LAYERS OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 12'-8", AND LOAD STRAP LENGTHS MUST BE DECREASED TO 14'-0". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 33-1/4", A GROSS UNIT WEIGHT OF 2,176 POUNDS, AND A UNIT CUBE OF 39.6" CUBIC FEET. ADDITIONALLY, THE UNIT MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR ISO INTERMODAL FREIGHT CONTAINER, VAN TRAILER, OR BOXCAR. THE DETERMINATION TO REDUCE THE LOAD BY A LAYER FOR TRANSPORTATION WILL BE MADE BY THE RESPONSIBLE COMMAND AND WILL BE BASED UPON ECONOMICS OF TRANSPORTATION AND HANDLING.



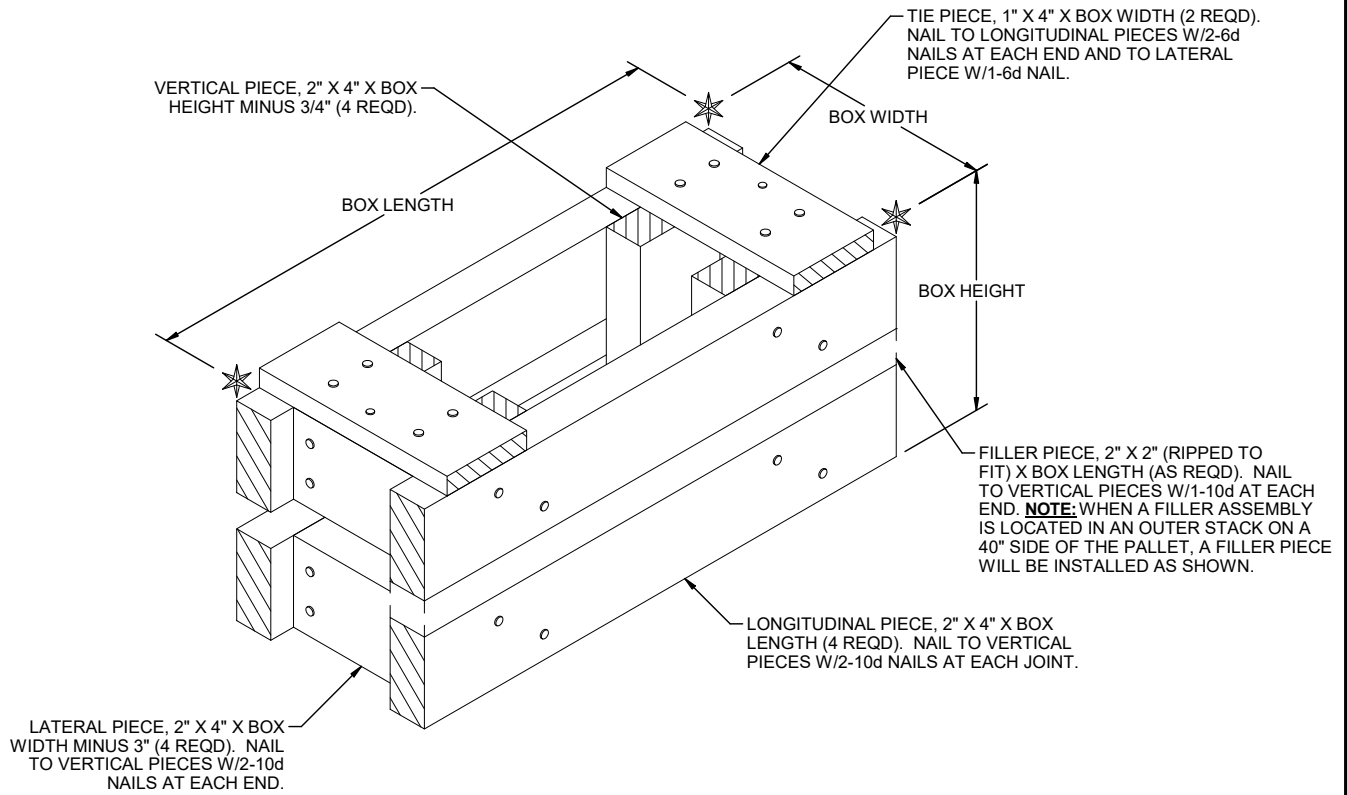
PALLET UNIT

SEE GENERAL NOTE "B" AT RIGHT.

60 BOXES OF 2.75 INCH WARHEADS (4 PER BOX) @ 58 LBS	- -	3,480 LBS
DUNNAGE	- - - - -	12 LBS
PALLET	- - - - -	80 LBS
TOTAL WEIGHT		3,572 LBS (APPROX)
CUBE		61.7 CU FT (APPROX)

BILL OF MATERIAL

PALLET, 40" X 48"	- - - - -	1 REOD	- - - - -	80 LBS
STEEL STRAPPING, 3/4"	- 128.67'	REOD	- - - - -	11.49 LBS
SEAL FOR 3/4" STRAPPING	- - -	8 REOD	- - - - -	NIL



FILLER ASSEMBLY

(FOR MINUS ONE BOX)