

# APPENDIX 1A

## UNITIZATION PROCEDURES FOR MILITARY AMMUNITION AND COMPONENTS PACKED IN FIBER- BOARD BOXES IN WIREBOUND OR FIBERBOARD 4-WAY ENTRY PALLET BOXES

CARTRIDGE, 5.56MM, PACKED 2,400 PER FIBER-BOARD BOX, UNITIZED 36 BOXES PER WIREBOUND PALLET BOX (PALLET UNIT A) OR 72 BOXES PER FIBERBOARD PALLET BOX (PALLET UNIT B); APPROX BOX SIZE 16-1/2" L X 12-1/4" W X 5" H

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4169-20PA1006.

DISTRIBUTION STATEMENT A.

APPROVED FOR PUBLIC RELEASE;  
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U. S. ARMY MATERIEL COMMAND DRAWING				
APPROVED, U. S. ARMY INDUSTRIAL OPERATIONS COMMAND <i>NKH</i> <i>David A. Beckwith</i> AMSTA-AR-ESK	DRAFTSMAN ENGINEER BETTY J. KUNDERT SANDRA M. SCHULTZ			
APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIEL COMMAND  <i>Larry V. Dullake</i> U. S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	SUPPLY ENGINEERING DIVISION <i>J. J. Michels</i>	TRANSPORTATION ENGINEERING DIVISION <i>W. Ernie</i>	VALIDATION ENGINEERING DIVISION <i>J. Kocher</i>	
LOGISTICS ENGINEERING OFFICE <i>William F. Ernst</i>		MARCH 1996		
	CLASS	DIVISION	DRAWING	FILE
	19	48	4169/ 1A	20PA 1006

DO NOT SCALE

**GENERAL NOTES**

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4169-20PA1006. 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. FOR OUTLOADING OF THE ITEMS COVERED BY THIS APPENDIX, CONTACT THE U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL, ATTN: SIOAC-DET, SAVANNA, IL 61074-9639, FOR SPECIFIC PROCEDURAL GUIDANCE. FOR STORAGE OF THE ITEMS COVERED BY THIS APPENDIX, CONTACT THE U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL, ATTN: SIOAC-DES, SAVANNA, IL 61074-9639, FOR SPECIFIC PROCEDURAL GUIDANCE.
- D. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- E. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 5.56MM CARTRIDGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN BELOW, PROVIDED THE BOX PACK DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAT WHAT IS SHOWN.

PALLET UNIT DATA					
ITEMS INCLUDED		HAZARD CLASS AND DIVISION ●		APPROX WEIGHT LBS	
NSN	DODIC	OD CLASS	COMP GROUP	UNIT A	UNIT B
1305-01-287-9659	A065	1.4	S	1,703	3,417

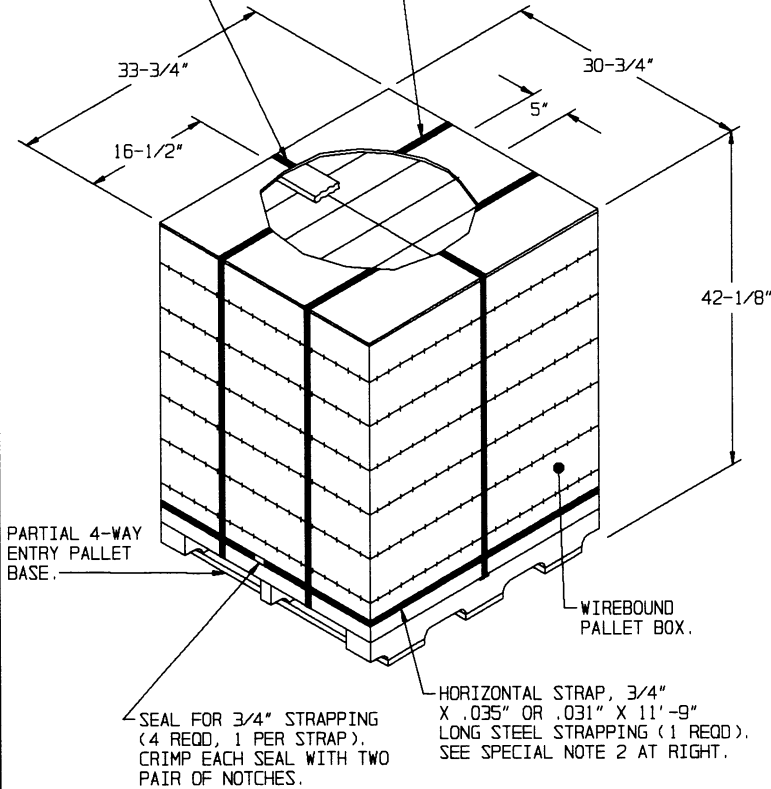
● HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PURPOSES ONLY. VERIFICATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).

LOAD STRAP, 3/4" X .035" OR .031" X 12'-4" LONG STEEL STRAPPING (1 REQD). SEE SPECIAL NOTE 1 AT RIGHT.

TIEDOWN STRAP, 3/4" X .035" OR .031" X 12'-10" LONG STEEL STRAPPING (2 REQD). SEE SPECIAL NOTE 3 AT RIGHT.

**SPECIAL NOTES:**

1. THE LOAD STRAP MUST BE THREADED THROUGH THE STRAP SLOT OF THE PALLET. THE LOAD STRAP MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION OF THE HORIZONTAL STRAP.
2. INSTALL THE HORIZONTAL STRAP TO ENCIRCLE THE PALLET BOX UNIT AS SHOWN. THE HORIZONTAL STRAP MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.
3. INSTALL TIEDOWN STRAPS TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS MAY BE APPLIED BUT NOT TENSIONED UNTIL THE HORIZONTAL AND LOAD STRAPS HAVE BEEN INSTALLED, TENSIONED AND SEALED.



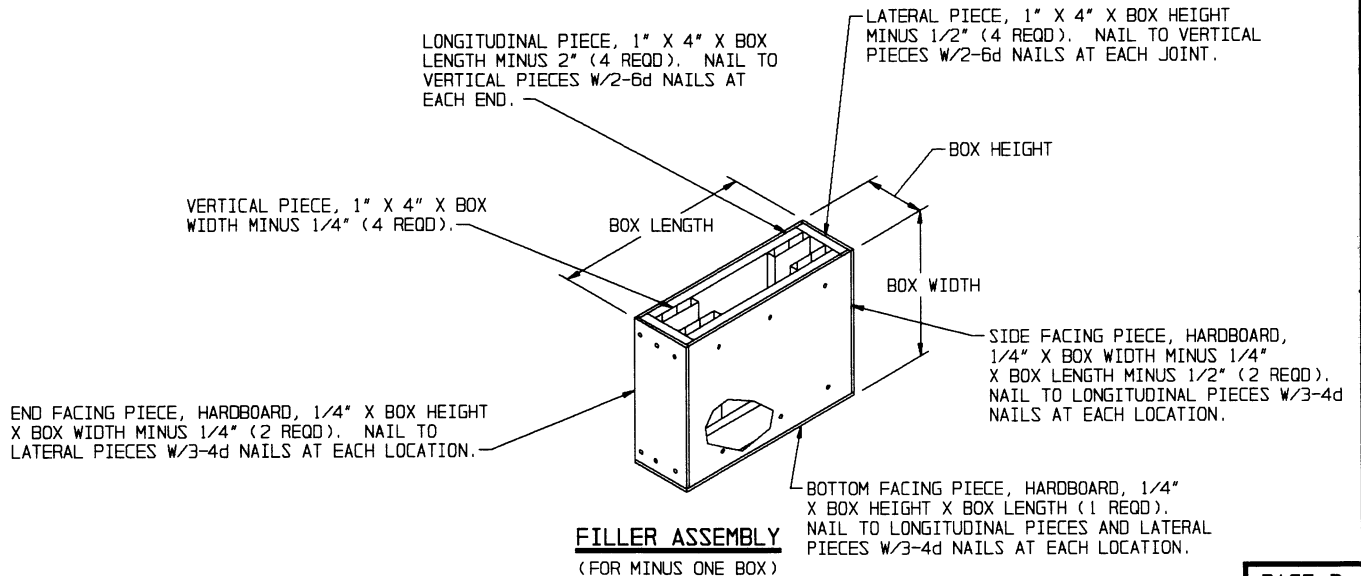
**PALLET UNIT A**

SEE GENERAL NOTE "B" ON PAGE 2.

36 BOXES OF 5.56MM CARTRIDGES (2400 PER BOX) @ 45 LBS -- 1,620 LBS (APPROX)  
 DUNNAGE -- -- -- -- -- 5 LBS  
 WIREBOUND PALLET BOX -- -- -- -- -- 78 LBS

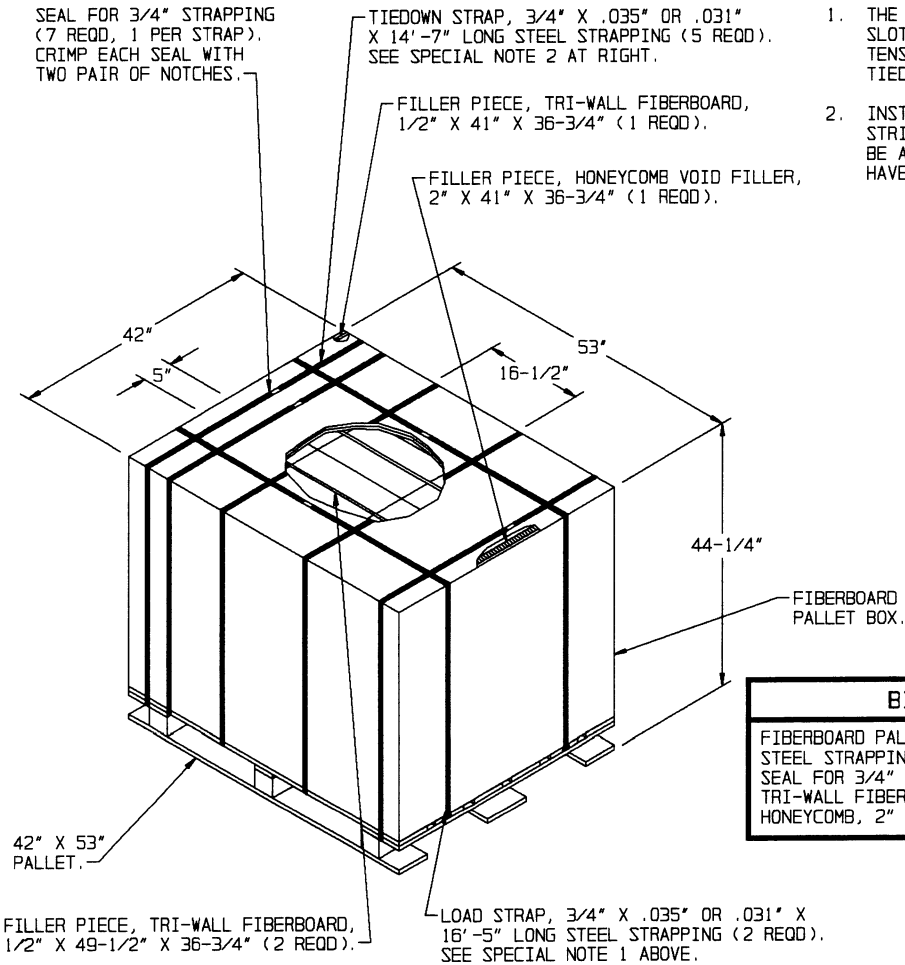
TOTAL WEIGHT -- -- -- -- -- 1,703 LBS (APPROX)  
 CUBE -- -- -- -- -- 25.3 CU FT (APPROX)

BILL OF MATERIAL (UNIT A)				
WIREBOUND PALLET BOX	----	1 REQD	----	78 LBS
STEEL STRAPPING, 3/4"	----	49.75' REQD	----	4.44 LBS
SEAL FOR 3/4" STRAPPING	----	4 REQD	----	NIL



**SPECIAL NOTES:**

1. THE LOAD STRAPS MUST BE THREADED THROUGH THE STRAP SLOTS OF THE PALLET AS SHOWN. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.
2. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE DECK STRINGER BOARDS OF THE PALLET. TIEDOWN STRAPS MAY BE APPLIED BUT NOT TENSIONED UNTIL LOAD STRAPS HAVE BEEN INSTALLED, TENSIONED AND SEALED.



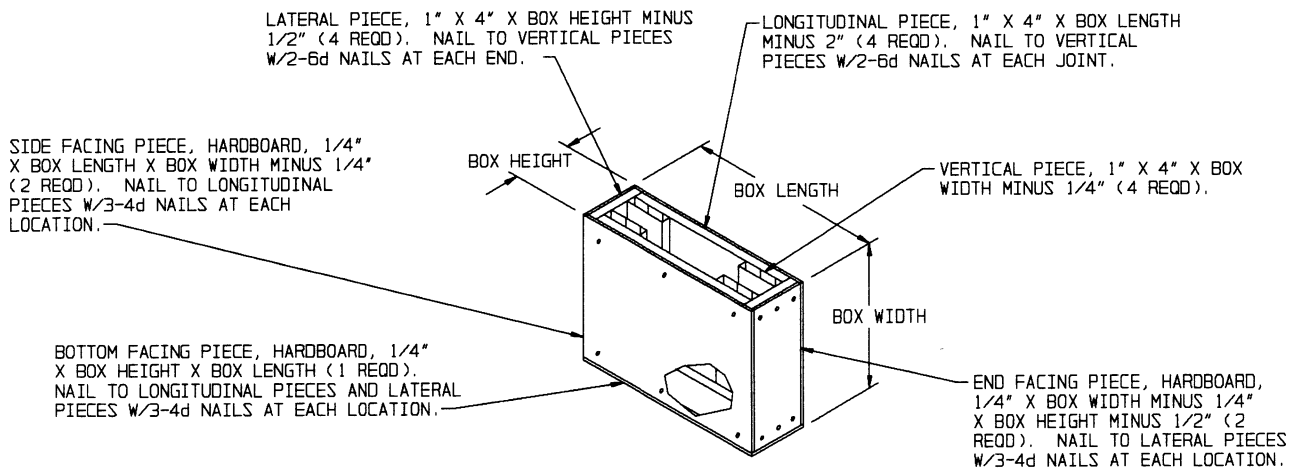
BILL OF MATERIAL (UNIT B)			
FIBERBOARD PALLET BOX	-----	1 REQD	-- 147 LBS
STEEL STRAPPING, 3/4"	-----	105.75' REQD	-- 9.44 LBS
SEAL FOR 3/4" STRAPPING	-----	7 REQD	-- NIL
TRI-WALL FIBERBOARD, 1/2"	-----	35.73 SQ FT REQD	-- 16.14 LBS
HONEYCOMB, 2"	-----	10.46 SQ FT REQD	-- 3.48 LBS

**PALLET UNIT B**

SEE GENERAL NOTE "B" ON PAGE 2.

72 BOXES OF 5.56MM CARTRIDGES (2400 PER BOX) @ 45 LBS -- 3,240 LBS (APPROX)  
 DUNNAGE ----- 30 LBS  
 FIBERBOARD PALLET BOX ----- 147 LBS

TOTAL WEIGHT ----- 3,417 LBS (APPROX)  
 CUBE ----- 57.0 CU FT (APPROX)



**FILLER ASSEMBLY**  
 (FOR MINUS ONE BOX)