APPENDIX 45Q

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

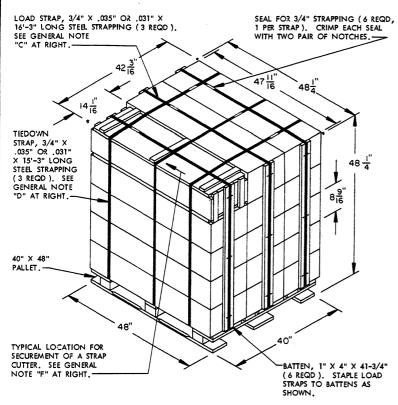
CARTRIDGE, IO5MM, PACKED 2 PER WOODEN BOX, UNITIZED I5 BOXES PER 40" X 48" PALLET; UNIT LOAD A APPROX BOX SIZE 47 16" L X 14 16" W X 8 16" H; UNIT LOAD B APPROX BOX SIZE 46 16" L X 14 16" W X 8 16" H

PALLET UNIT DATA							
ITEMS INCLUDED		HAZARD CLASSIFICATION				WEIGHT (LBS)	
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	UNIT A	UNIT B
1315- 01-030-6838 01-082-9856 01-082-1717	C523	В В В	П-В П-В П-В	(08)1.2 (08)1.2 (08)1.2	000	2, 216 2, 051 2, 216	2, 185 2, 020 2, 185

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002.

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		\ \forall \(\forall \)	Non X	MANAGEMENT CO	HITER AND SCHOOL
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	1	CLASS	DIVESION	DEANTHS	PILE
	1	10	40	4116/	20PA
		19	48	45Q	1002

DO NOT SCALE



PALLET UNIT A

SEE GENERAL NOTE "B" AT RIGHT.

15 BOXES OF 105MM CARTRIDGE (2 PER BOX) @ 141 LBS DUNNA GE	21	LBS (LBS LBS	APPROX)
TOTAL WEIGHT		LBS (APPROX)

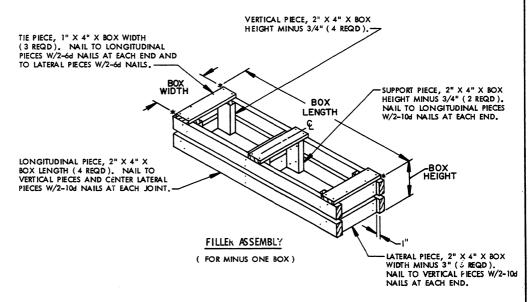
BILL OF MATERIAL (UNIT A)			
LUM BER	LINLAR FEET	BOARD FEET	
1" X 4"	20.88	6.96	
PALLET, 40" X 48" —— STEEL STRAPPING, 3/4" SEAL FOR 3/4" STRAPPIN STAPLE. 15/16" X 3/4"——	94.50' REQD	0 80 LBS 0 6.75 LBS 0 NIL	

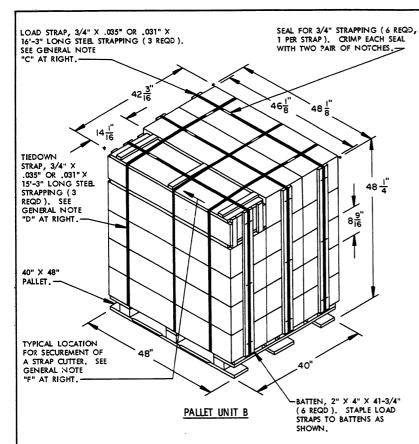
GENERAL NOTES (UNIT A)

- A. THIS PAGE OF 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 ON THIS PAGE OF THIS APPENDIX. ANY EXCEPTIONS TO THE BASIC PROCEDURES ARE SPECIFIED.
- 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 WILL BE PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING BOXES ON THE PALLET.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL BE TENSIONED AND SEALED PRIOR TO LOAD STRAPS.
- E. THE FOLLOWING DARCOM DRAWINGS ARE APPLICABLE FOR OUTLOAD-ING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADING ------ DRAWING 19-48-4115-59A1002
TRUCKLOADING ------ DRAWING 19-48-4117-119A1003
STORAGE ------- DRAWING 19-48-4118-1-2-3-4-14-22PA1002

- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM DRAWING 19-48-4127-20P1000.
- G. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 105MM CARTRIDGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON THE TITLE PAGE, 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.
- J. THE "FILLER ASSEMBLY" AS DELINEATED BELOW IS TO BE USED IN THE "PALLET UNIT A" IN PLACE OF AN OMITTED BOX (ES).
- K. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, ONE LAYER OF BOXES MUST BE OMITTED, TIEDO'M STRAP LENGTHS MUST BE DECREASED TO 13'-10" AND LOAD STRAP LENGTHS MUST BE DECREASED TO 14'-10" AND BATTEN LENGTHS MUST BE DECREASED TO 33-1/2". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 39-3/4", A GROSS UNIT WEIGHT OF 1,790 POUNDS, AND A UNIT CUBE OF 46.8 CUBIC FEET. ADDITIONALLY, THE UNIT LOAD MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR COMMERCIAL INTERMODAL REIGHT CONTAINER, CONVENTIONAL VAN TRAILER OR CONVENTIONAL OR HIGH-CAPACITY 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.





SEE GENERAL NOTE "B" AT RIGHT.

15 BOXES OF 105MM CARTRIDGE (2 PER BOX) @ 138 LBS2,070 LBS (APPROX) DUNNAGE	
TOTAL WEIGHT	

BILL OF MATERIAL (UNIT B)				
LUMBER	LINEAR FEET	BOARD FEET		
2" X 4"	20.88	13.92		
PALLET, 40" X 48" 1 REQD 80 LBS STEEL STRAPPING 3/4" 94.50" REQD 6.75 LBS SEAL FOR 3/4" STRAPPING 6 REQD NIL STAPLE, 15/16" X 3/4" 18 REQD NIL				

GENERAL NOTES (UNIT B)

- A. THIS PAGE OF 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 ON THIS PAGE OF THIS APPENDIX. ANY EXCEPTIONS TO THE BASIC PROCEDURES ARE SPECIFIED.
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- J. THE "FILLER ASSEMBLY" AS DELINEATED ON PAGE 2 CAN ALSO BE USED IN THE "PALLET UNIT B" IN PLACE OF AN OMITTED BOX(ES).
- K. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, ONE LAYER OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 13'-10", LOAD STRAP LENGTHS MUST BE DECREASED TO 14'-10", AND BATTEN LENGTHS MUST BE DECREASED TO 33-1/2". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 39-3/4", A GROSS UNIT WEIGHT OF 1,765 POUNDS, AND A UNIT CUBE OF 46.7 CUBIC FEET. ADDITIONALLY, THE UNIT LOAD MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR COMMERCIAL INTERMODAL REIGHT CONTAINER, CONVENTIONAL VAN TRAILER OR CONVENTIONAL OR HIGH-CAPACITY 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.

