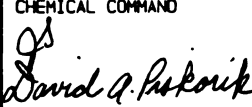
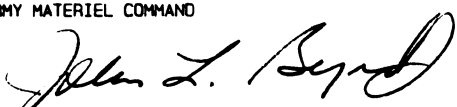


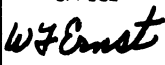


APPENDIX 54

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

LUG, BOMB, SUSPENSION, PACKED 160 PER FIBERBOARD OR WOODEN BOX, UNITIZED 64 FIBERBOARD BOXES PER 40" X 48" PALLET (UNIT LOAD A), 60 WOODEN BOXES PER 40" X 48" PALLET (UNIT LOAD B), 80 FIBERBOARD BOXES PER 42" X 53" PALLET (UNIT LOAD C) OR 45 WOODEN BOXES PER 35" X 45-1/2" PALLET (UNIT LOAD D); APPROX FIBERBOARD BOX SIZE 11-5/8" L X 9-3/8" W X 5-5/8" H (UNIT LOAD A) OR 12-7/8" L X 10-3/8" W X 6" H (UNIT LOAD C), APPROX WOODEN BOX SIZE 14-1/4" L X 10-1/2" W X 6-1/2" H (UNIT LOAD B) OR 15-1/2" L X 11-1/2" W X 6-3/4" H (UNIT LOAD D)

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

U. S. ARMY MATERIEL COMMAND DRAWING					
APPROVED, U. S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND  David A. Piskovik SMCAR-ESK	DRAFTSMAN D. REIFSTECK D. WHITMORE	TECHNICIAN 	ENGINEER W. FRERICHS S. SCHULTZ		
APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIEL COMMAND  John L. Beard U. S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	AMSMC-TMD 	EVALUATION DIVISION 	STORAGE & OUTLOADING DIVISION 	LOGISTICS ENGINEERING OFFICE 	
MAY 1981					
REVISION NO. 3	AUGUST 1990	CLASS	DIVISION	DRAWING	FILE
SEE THE REVISION LISTING ON PAGE 2		19	48	4116/ 54	20PA 1002

DO NOT SCALE

PALLET UNIT DATA									
ITEMS INCLUDED		HAZARD CLASSIFICATION				WEIGHT (LBS)			
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	UNIT A	UNIT B	UNIT C	UNIT D
1325-00-991-8890 01-236-8604	G263				INERT	2.518	3.328	3.772	2.405
	G251				INERT	2.518	3.328	3.772	2.405

● 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).

REVISIONS

REVISION NO. 1, DATED MARCH 1982, CONSISTS OF:

1. ADDING ONE MORE LAYER OF BOXES.
2. CHANGING UNITIZATION PROCEDURES TO CONFORM TO 1 ABOVE.

REVISION NO. 2, DATED NOVEMBER 1983, CONSISTS OF:

1. CHANGING FIBERBOARD BOX SIZE.
2. ADDING PROCEDURES FOR WOODEN BOXES.
3. CHANGING PROCEDURES TO CONFORM WITH 1 AND 2 IMMEDIATELY ABOVE.

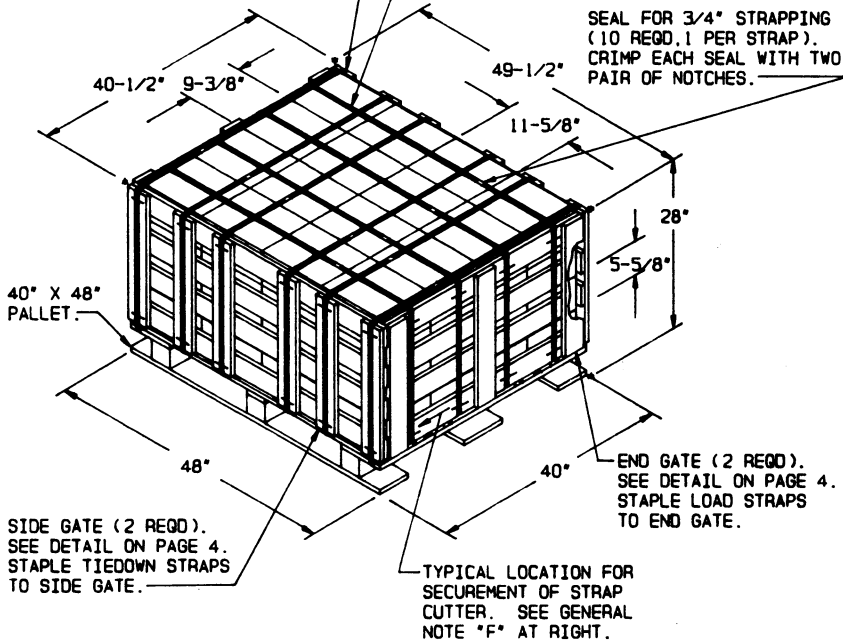
REVISION NO. 3, DATED AUGUST 1990, CONSISTS OF:

1. ADDING ITEM BY NATIONAL STOCK NUMBER (NSN) TO "PALLET UNIT DATA CHART".
2. ADDING UNITS C AND D.

TIEDOWN STRAP, 3/4" X .035" OR .031" X
11'-7" LONG STEEL STRAPPING (6 REQD).
SEE GENERAL NOTE "D" AT RIGHT.

LOAD STRAP, 3/4" X .035" OR .031" X
13'-1" LONG STEEL STRAPPING (4 REQD).
SEE GENERAL NOTE "C" AT RIGHT.

SEAL FOR 3/4" STRAPPING
(10 REQD. 1 PER STRAP).
CRIMP EACH SEAL WITH TWO
PAIR OF NOTCHES.



PALLET UNIT A

SEE GENERAL NOTE "B" AT RIGHT.

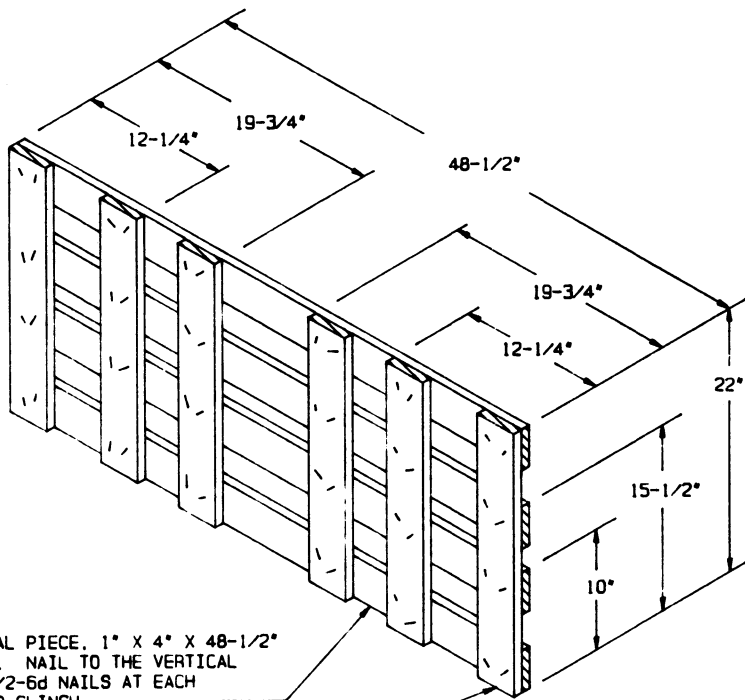
64 BOXES OF LUG. BOMB SUSPENSION (160 PER BOX) AT 37 LBS -- 2,368 LBS (APPROX)
DUNNAGE ----- 70 LBS
PALLET ----- 80 LBS

TOTAL WEIGHT ----- 2,518 LBS (APPROX)
CUBE ----- 32.5 CU FT (APPROX)

BILL OF MATERIAL UNIT A		
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	89.83	29.95
NAILS	NO. REQD	POUNDS
6d (2")	144	0.85
PALLET, 40" X 48" -----	1 REQD -----	80 LBS
STEEL STRAPPING, 3/4" -----	121.83' REQD -----	8.70 LBS
SEAL FOR 3/4" STRAPPING -----	10 REQD -----	NIL
STAPLE -----	40 REQD -----	0.11 LBS

GENERAL NOTES FOR UNIT A

- 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 MUST BE PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING 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
 - COMMERCIAL CONTAINER - - - - 19-48-4153-15PA1002
 - MILVAN - - - - - 19-48-4166-15PA1003
- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE AMC 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 LUG. BOMB SUSPENSION 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.
- K. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, 1 LAYER OF BOXES MUST BE OMITTED. TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 10'-8", LOAD STRAP LENGTHS MUST BE DECREASED TO 12'-2", AND GATE ASSEMBLIES MUST BE MODIFIED. THE SIDE GATE AND END GATE ASSEMBLY MODIFICATIONS INCLUDE CHANGING THE VERTICAL PIECE LENGTHS TO 17", ELIMINATING THE HORIZONTAL PIECE LOCATED AT THE 22" HEIGHT DIMENSION, AND LOCATING THE UPPERMOST HORIZONTAL PIECE EVEN WITH THE TOP OF THE VERTICAL PIECES. THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 22-1/2", A GROSS UNIT WEIGHT OF 1,910 POUNDS, AND A UNIT CUBE OF 19.5 CUBIC FEET.
- J. 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.

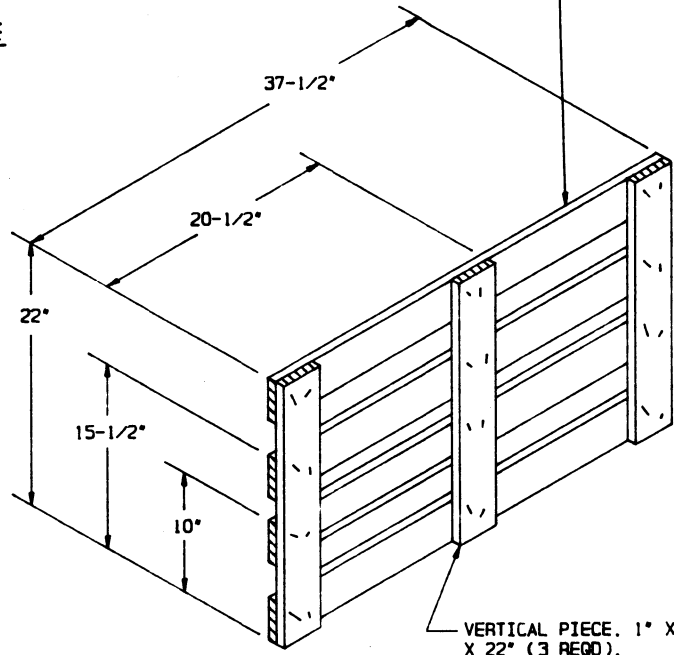


HORIZONTAL PIECE, 1" X 4" X 48-1/2"
(4 REQD). NAIL TO THE VERTICAL
PIECES W/2-6d NAILS AT EACH
JOINT AND CLINCH.

VERTICAL PIECE, 1" X 4"
X 22" (6 REQD).

SIDE GATE
(2 REQD)

HORIZONTAL PIECE, 1" X 4" X 37-1/2"
(4 REQD). NAIL TO VERTICAL PIECES
W/2-6d NAILS AT EACH JOINT AND
CLINCH.

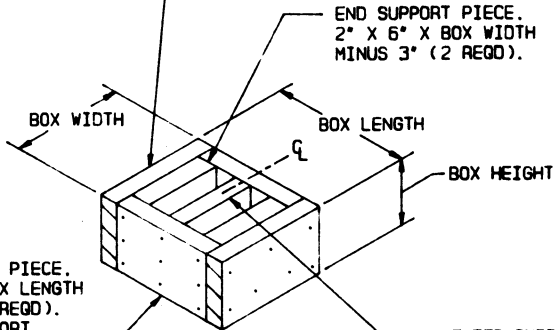


VERTICAL PIECE, 1" X 4"
X 22" (3 REQD).

END GATE
(2 REQD)

LATERAL PIECE, 2" X 6" X BOX WIDTH
(2 REQD). NAIL TO LONGITUDINAL
PIECES W/2-10d NAILS AT EACH END
AND TO THE END SUPPORT PIECE
W/3-10d NAILS.

END SUPPORT PIECE,
2" X 6" X BOX WIDTH
MINUS 3" (2 REQD).



LONGITUDINAL PIECE,
2" X 6" X BOX LENGTH
MINUS 3" (2 REQD).
NAIL TO SUPPORT
PIECES W/3-10d NAILS
AT EACH JOINT.

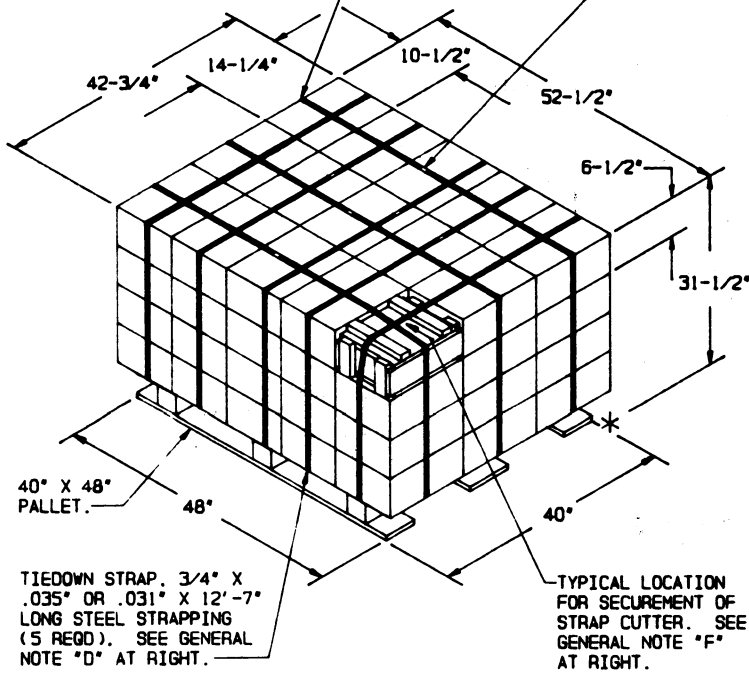
CENTER SUPPORT PIECE,
2" X 6" X BOX WIDTH
MINUS 3" (1 REQD).

FILLER ASSEMBLY A
(FOR MINUS ONE BOX)

GENERAL NOTES FOR UNIT B

LOAD STRAP, 3/4" X .035" OR .031" X 14'-2" LONG STEEL STRAPPING (3 REQD). SEE GENERAL NOTE "C" AT RIGHT.

SEAL FOR 3/4" STRAPPING (8 REQD, 1 PER STRAP). CRIMP EACH SEAL WITH TWO PAIR OF NOTCHES.



PALLET UNIT B

SEE GENERAL NOTE "B" AT RIGHT.

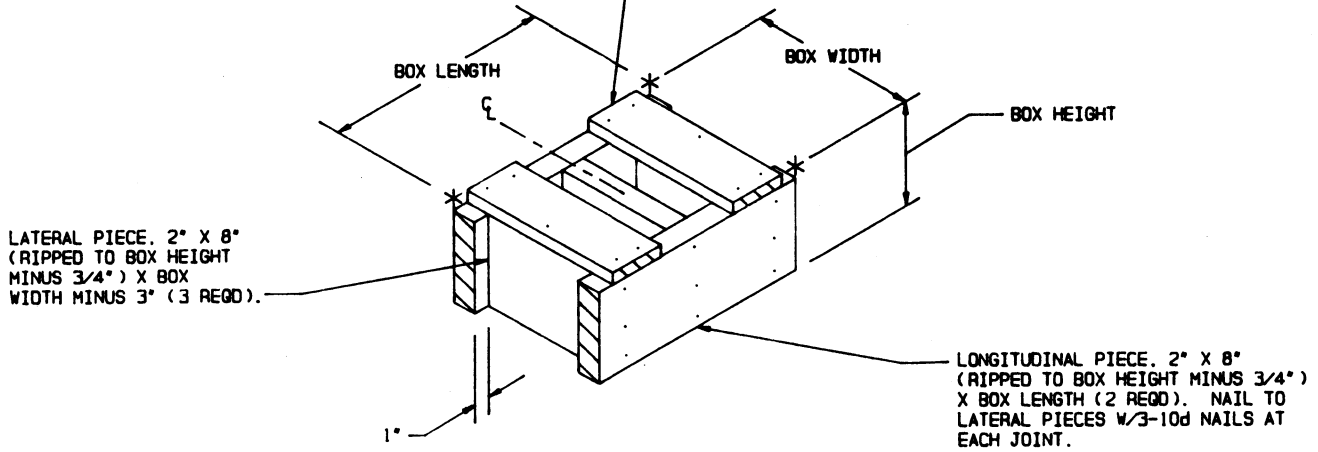
60 BOXES OF LUGS, BOMB SUSPENSION (160 PER BOX) AT 54 LBS	---	3,240 LBS (APPROX)
DUNNAGE	---	8 LBS
PALLET	---	80 LBS
<hr/>		
TOTAL WEIGHT	---	3,328 LBS (APPROX)
CUBE	---	40.9 CU FT (APPROX)

BILL OF MATERIAL UNIT B

PALLET, 40" X 48"	---	1 REQD	---	80 LBS
STEEL STRAPPING, 3/4"	---	105.42' REQD	---	7.53 LBS
SEAL FOR 3/4" STRAPPING	---	8 REQD	---	NIL

- 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 MUST BE PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING 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 OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.
 - CARLOADING - - - - 19-48-4115-SPA1002
 - TRUCKLOADING - - - - 19-48-4117-11PA1003
 - STORAGE - - - - - 19-48-4118-1-2-3-4-14-22PA1002
 - COMMERCIAL CONTAINER - - - - 19-48-4153-15PA1002
 - MILVAN - - - - - 19-48-4166-15PA1003
- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE AMC 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 LUG, BOMB SUSPENSION 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 THAT WHAT IS SHOWN.
- J. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, 2 LAYERS OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 7'-4" AND THE LOAD STRAP LENGTHS MUST BE DECREASED TO 12'-0". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 18-1/2", A GROSS UNIT WEIGHT OF 1,706 POUNDS AND A UNIT CUBE OF 24.0 CUBIC FEET
- K. 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.

TIE PIECE, 1" X 4" X BOX WIDTH (2 REQD).
NAIL TO LONGITUDINAL PIECES W/2-6d NAILS
AT EACH END AND TO LATERAL PIECES W/1-6d NAIL.



LATERAL PIECE, 2" X 8"
(RIPPED TO BOX HEIGHT
MINUS 3/4") X BOX
WIDTH MINUS 3" (3 REQD).

LONGITUDINAL PIECE, 2" X 8"
(RIPPED TO BOX HEIGHT MINUS 3/4")
X BOX LENGTH (2 REQD). NAIL TO
LATERAL PIECES W/3-10d NAILS AT
EACH JOINT.

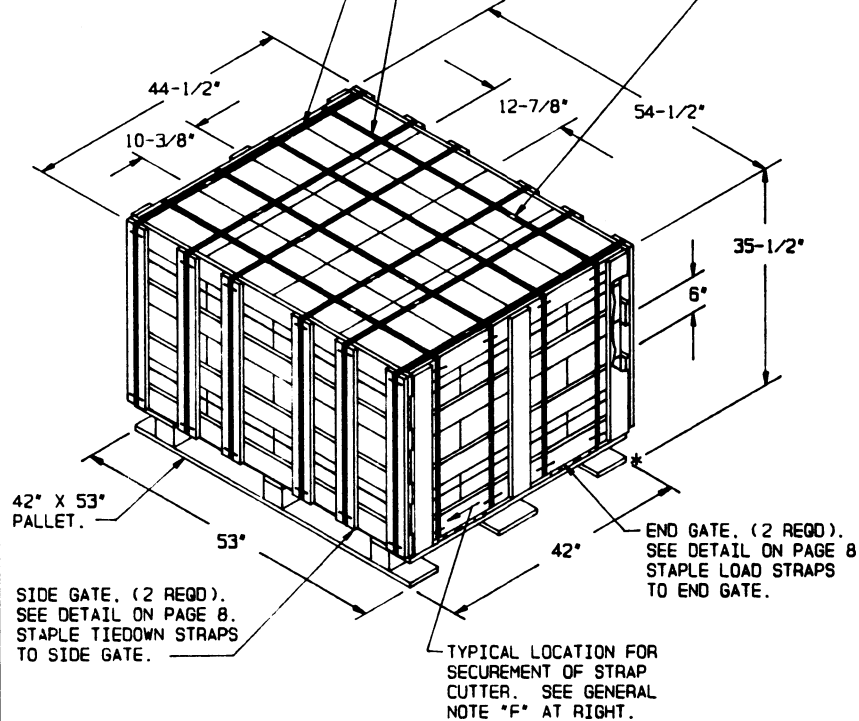
FILLER ASSEMBLY B
(FOR MINUS ONE BOX)

GENERAL NOTES FOR UNIT C

TIEDOWN STRAP, 3/4" X .035" OR .031" X 13'-4" LONG STEEL STRAPPING (6 REQD). SEE GENERAL NOTE "D" AT RIGHT.

LOAD STRAP, 3/4" .035" OR .031" X 15'-2" LONG STEEL STRAPPING (4 REQD). SEE GENERAL NOTE "C" AT RIGHT.

SEAL FOR 3/4" STRAPPING (10 REQD, 1 PER STRAP). CRIMP EACH SEAL WITH TWO PAIR OF NOTCHES.



PALLET UNIT C

SEE GENERAL NOTE "B" AT RIGHT.

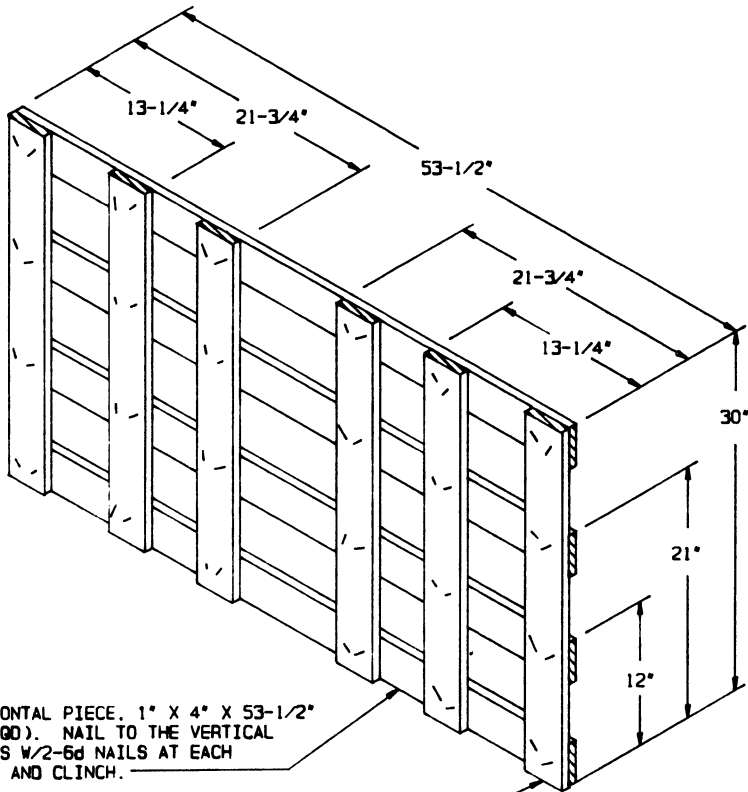
80 BOXES OF LUG, BOMB SUSPENSION (160 PER BOX) AT 45 LBS -- 3,600 LBS (APPROX)
 DUNNAGE ----- 82 LBS
 PALLET ----- 90 LBS

TOTAL WEIGHT ----- 3,772 LBS (APPROX)
 CUBE ----- 46.8 CU FT (APPROX)

BILL OF MATERIAL UNIT C

LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	107.00	35.66
NAILS	NO. REQD	POUNDS
6d (2")	144	0.85
PALLET, 42" X 53" -----	1 REQD -----	90 LBS
STEEL STRAPPING, 3/4" -----	140.67' REQD -----	10.05 LBS
SEAL FOR 3/4" STRAPPING -----	10 REQD -----	NIL
STAPLE -----	40 REQD -----	0.11 LBS

- 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 MUST BE PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING 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 OUTLOADING 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
 - COMMERCIAL CONTAINER ----- 19-48-4153-15PA1002
 - MILVAN ----- 19-48-4166-15PA1003
- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE AMC 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 LUG, BOMB SUSPENSION 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.
- J. THE STYLE 1B 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.
- K. THE 44-1/2" LENGTH DIMENSION IS AN EXCEPTION TO THE BASIC PROCEDURES. HOWEVER, THE EXCEPTION IS NECESSARY FOR THE AMMUNITION PACK COVERED BY THIS APPENDIX, TO MOST EFFECTIVELY GET AN ACCEPTABLE, COMPACT AND SOUND PALLET UNIT.

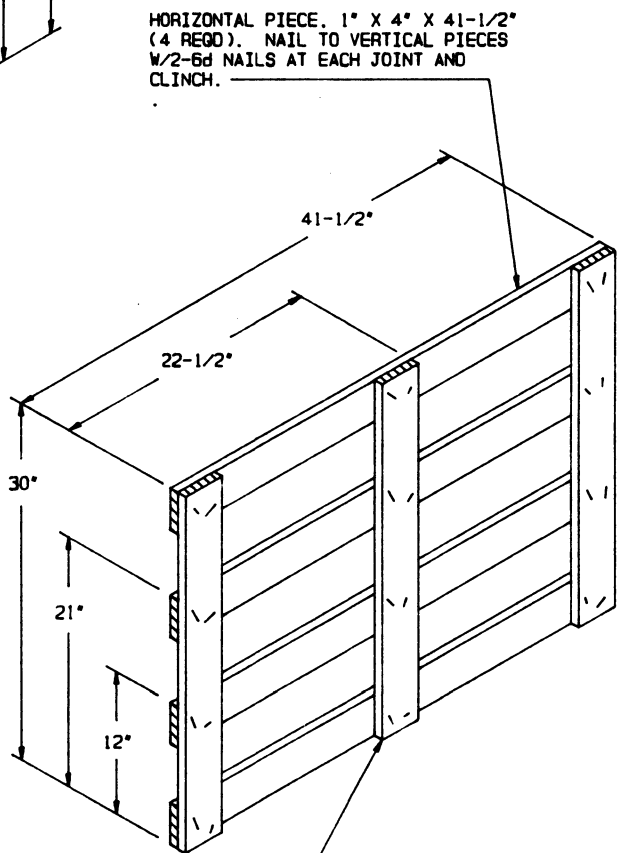


HORIZONTAL PIECE, 1" X 4" X 53-1/2"
(4 REQD). NAIL TO THE VERTICAL
PIECES W/2-6d NAILS AT EACH
JOINT AND CLINCH.

VERTICAL PIECE, 1" X 4"
X 30" (6 REQD).

SIDE GATE

(2 REQD)



HORIZONTAL PIECE, 1" X 4" X 41-1/2"
(4 REQD). NAIL TO VERTICAL PIECES
W/2-6d NAILS AT EACH JOINT AND
CLINCH.

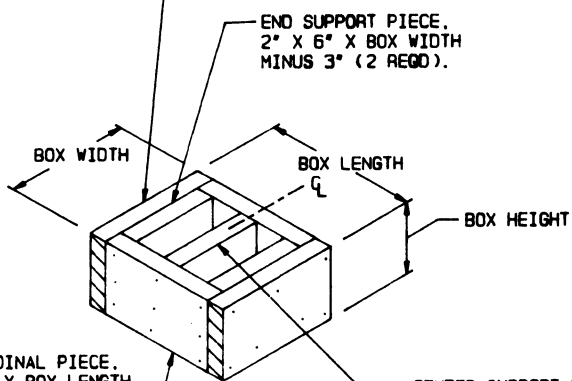
VERTICAL PIECE, 1" X 4"
X 30" (3 REQD).

END GATE

(2 REQD)

LATERAL PIECE, 2" X 6" X BOX WIDTH
(2 REQD). NAIL TO LONGITUDINAL
PIECES W/2-10d NAILS AT EACH END
AND TO THE END SUPPORT PIECE
W/3-10d NAILS.

END SUPPORT PIECE,
2" X 6" X BOX WIDTH
MINUS 3" (2 REQD).



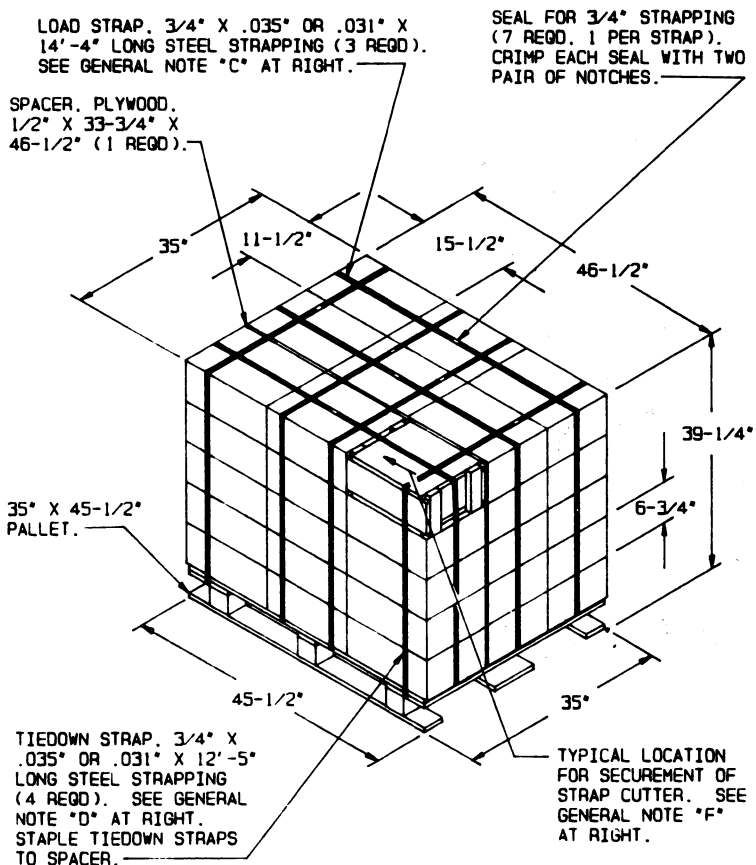
LONGITUDINAL PIECE,
2" X 6" X BOX LENGTH
MINUS 3" (2 REQD).
NAIL TO SUPPORT
PIECES W/3-10d NAILS
AT EACH JOINT.

CENTER SUPPORT PIECE,
2" X 6" X BOX WIDTH
MINUS 3" (1 REQD).

FILLER ASSEMBLY C

(FOR MINUS ONE BOX)

GENERAL NOTES FOR UNIT D



PALLET UNIT D

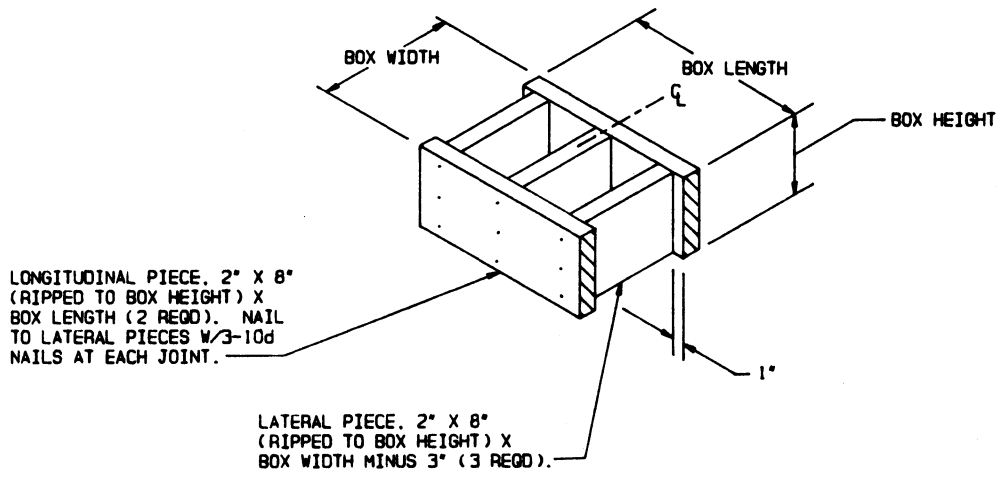
SEE GENERAL NOTE *B* AT RIGHT.

45 BOXES OF LUGS, BOMB SUSPENSION (160 PER BOX) AT 51-1/2 LBS	--	2,318 LBS (APPROX)
DUNNAGE	-----	22 LBS
PALLET	-----	65 LBS
TOTAL WEIGHT		----- 2,405 LBS (APPROX)
CUBE		----- 36.97 CU FT (APPROX)

BILL OF MATERIAL UNIT D			
PALLET, 35" X 45-1/2"	---	1 REQD	65 LBS
STEEL STRAPPING, 3/4"	---	92.67' REQD	6.62 LBS
PLYWOOD, 1/2"	---	10.90 SQ FT REQD	14.99 LBS
SEAL FOR 3/4" STRAPPING	---	7 REQD	NIL
STAPLE	---	4 REQD	NIL

- 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 MUST BE PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING 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
COMMERCIAL		
CONTAINER	----	19-48-4153-15PA1002
MILVAN	----	19-48-4166-15PA1003
- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE AMC 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 LUG, BOMB SUSPENSION 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.
- J. THE STYLE 1A 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.



FILLER ASSEMBLY D
 (FOR MINUS ONE BOX)