

APPENDIX 85

UNITIZATION PROCEDURES FOR BOXED AMMUNITION AND COMPO- NENTS ON SKIDDED BASES

**DISPENSING MODULE KIT, MUNITION, STANDOFF
ACTIVATED VOLCANO, XM343, PACKED 1 PER
PLASTIC CONTAINER, UNITIZED 4 CONTAINERS
PER TYPE II SKID BASE; APPROX CONTAINER SIZE
23-1/8" L X 23" W X 19-7/8" H**

**NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION
PROCEDURES DRAWING 19-48-4138-20PA1000.**

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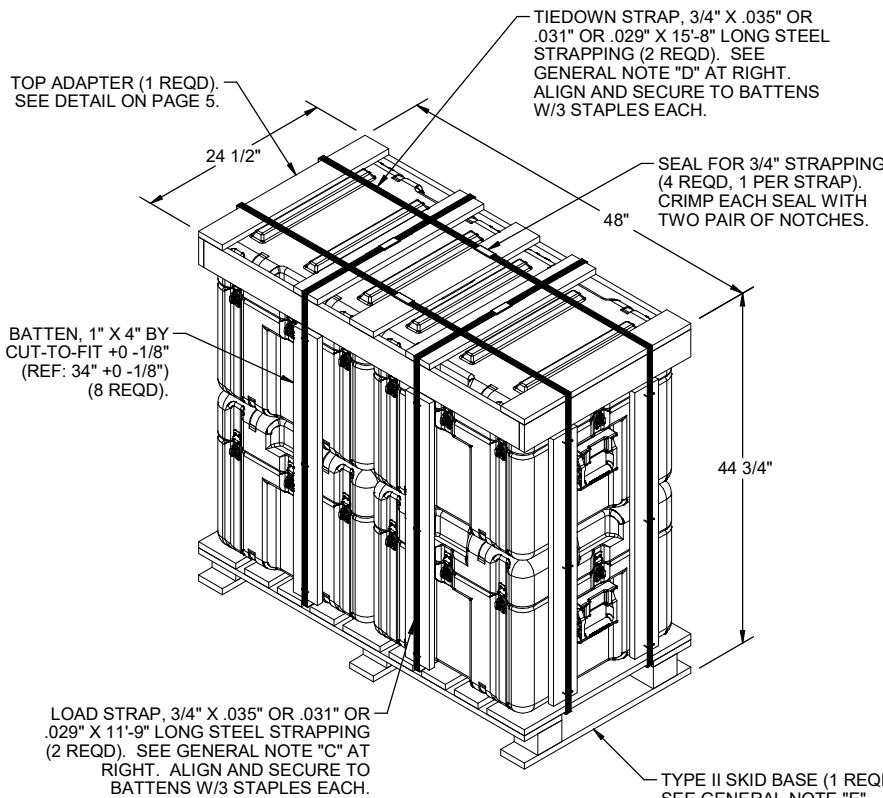
U.S. ARMY MATERIEL COMMAND DRAWING

<p>APPROVED, COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER</p> <p>HANSENEN.JO <small>Digitally signed by HANSENEN.JOSEPH.W. 1376495538 Date: 2023.03.22 08:15:32 -05'00'</small></p> <p>SEPH.W.1376 495538</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 6.</p>			DECEMBER 2022				
<p>APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND</p> <p>WARD.GINA. <small>Digitally signed by WARD.GINA.M.1369379808 Date: 2023.04.10 07:57:17 -05'00'</small></p> <p>M.1369379808</p> <p style="text-align: right;">AMSJM-MLT</p>	DO NOT SCALE	QUYEN TRAN						
<p>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</p> <p>BRAILSFORD.KEIT <small>Digitally signed by BRAILSFORD.KEITH.ANTHONY. 1028655661 Date: 2023.04.13 14:44:40 -05'00'</small></p> <p>H.ANTHONY.10286 55661</p> <p style="text-align: right;">U.S. ARMY DEFENSE AMMUNITION CENTER</p>	DESIGN ENGINEER BASIC REV.	ENGINEERING DIVISON FIEFFER.LAUR <small>Digitally signed by FIEFFER.LAURA.A.1230375727 Date: 2022.12.09 12:17:55 -06'00'</small> A.A.1230375727	TEST ENGINEER TEST REPORT 22007	GARSIDE.RICHA <small>Digitally signed by GARSIDE.RICHARD.H.12307638 59 Date: 2022.12.09 13:16:18 -06'00'</small> RD.H.1230763859	CLASS 19	DIVISION 48	DRAWING 4138/ 85	FILE 20PA1000

PALLET UNIT DATA				
ITEMS INCLUDED		*HAZARD CLASS AND DIVISION	*COMPATIBILITY GROUP	APPROX WEIGHT (LBS)
NSN	DODIC			
1346-01-694-7184	TS11	TBD	TBD	406

*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).

GENERAL NOTES



SKIDDED UNIT
SEE GENERAL NOTE "B" AT RIGHT.

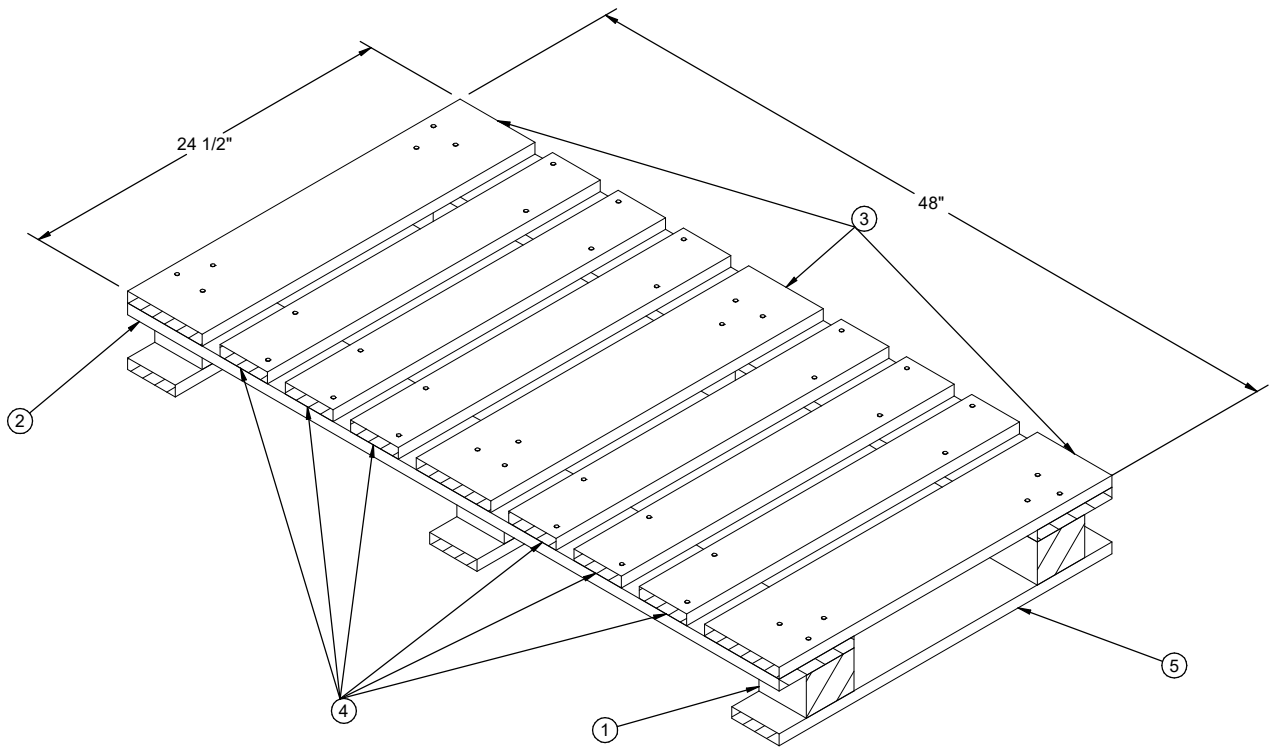
- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4138-20PA1000. TO PRODUCE AN APPROVED SKIDDED LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN THIS APPENDIX. ANY EXCEPTIONS TO THE BASIC PROCEDURES ARE SPECIFIED IN THIS APPENDIX.
- B. DIMENSIONS, CUBE AND WEIGHT OF A SKIDDED UNIT WILL VARY SLIGHTLY DEPENDING UPON THE ACTUAL DIMENSIONS OF THE CONTAINERS AND THE WEIGHT OF THE SPECIFIC ITEM BEING UNITIZED.
- C. THE LOAD STRAPS MAY BE THREADED THROUGH THE GAP BETWEEN THE TOP DECK BOARDS AS SHOWN OR PRE-POSITIONED ON THE SKID BASE DECK PRIOR TO PLACING CONTAINERS ON THE SKID BASE. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE SKIDDED BASE AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE LOAD STRAPS HAVE BEEN TENSIONED AND SEALED.
- E. ONLY A TYPE II SKID BASE WILL BE USED TO ASSEMBLE THIS UNIT. THE "W" DIMENSION OF THE SKID BASE WILL BE 24-1/2" AND THE "L" DIMENSION OF THE SKID BASE WILL BE 48". **CAUTION:** A TYPE I SKID BASE WILL NOT BE USED.
- F. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADING	- - - -	19-48-4123-5PA1003
TRUCKLOADING	- - - -	19-48-4124-11PA1004
STORAGE	- - - -	19-48-4125-1-2-3-4-14-22PA1003
END OPENING ISO CONTAINER	- - - -	19-48-4153-15PA1002
MILVAN	- - - -	19-48-4166-15PA1003
SIDE OPENING ISO CONTAINER	- - - -	19-48-4267-15PA1009

- G. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE CONTAINERS NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING DISPENSING MODULE KIT, MUNITION, STANDOFF ACTIVATED VOLCANO, XM343 WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON PAGE 2, PROVIDED THE CONTAINER PACK DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.
- J. FOR DETAILS OF THE PLASTIC CONTAINER SEE PELICAN PRODUCTS INC. DRAWING AL2020-1305.
- K. ALL WOODEN DUNNAGE SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH GENERAL NOTE "X" IN THE BASIC PROCEDURES, AND HEAT TREATED IN ACCORDANCE WITH GENERAL NOTE "Z" IN THE BASIC PROCEDURES.
- L. THE UNIT MAY BE REDUCED BY ONE CONTAINER BY USING A FILLER ASSEMBLY TO REPLACE THE CONTAINER. A FILLER ASSEMBLY MUST BE POSITIONED IN THE TOP LAYER OF A UNIT LOAD. THE UNIT MAY BE REDUCED BY TWO CONTAINERS BY ELIMINATING THE TOP LAYER. ADJUST THE LENGTH OF THE STRAPS AND BATTENS AS APPROPRIATE. ONE CONTAINER CAN BE SHIPPED BY COMBINING BOTH METHODS ABOVE. SEE THE DETAIL OF THE FILLER ASSEMBLY ON PAGE 6.
- M. **CAUTION:** WHEN HANDLING THE UNIT USING A FORKLIFT ON THE SHORT SIDE OF THE UNIT, USE CARE TO AVOID TIPPING OR FALLING.

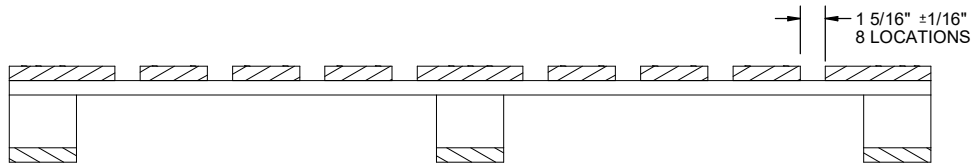
4 CONTAINERS OF STANDOFF ACTIVATED VOLCANO, XM343 @ 85 LBS	- - - -	340 LBS
DUNNAGE	- - - -	34 LBS
SKID BASE	- - - -	32 LBS
TOTAL WEIGHT		406 LBS (APPROX)
CUBE		30.5 CU FT (APPROX)

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	45	15
NAILS	NO. REQD	POUNDS
6d (2")	30	0.18
TYPE II SKID BASE		
48" L X 24-1/2" W	- - - - 1 REQD	- - - - 32 LBS
STEEL STRAPPING, 3/4"	- 54.83 REQD	- - 3.92 LBS
SEAL FOR 3/4" STRAPPING	- - 4 REQD	- - - - - NIL
STAPLE, 15/16" X 3/4"	- - 24 REQD	- - - - - NIL



TYPE II SKID BASE

SEE MATERIAL SPECIFICATIONS ON PAGE 5 AND SPECIAL NOTES ON PAGE 10 OF DRAWING 19-48-4138-20PA1000.

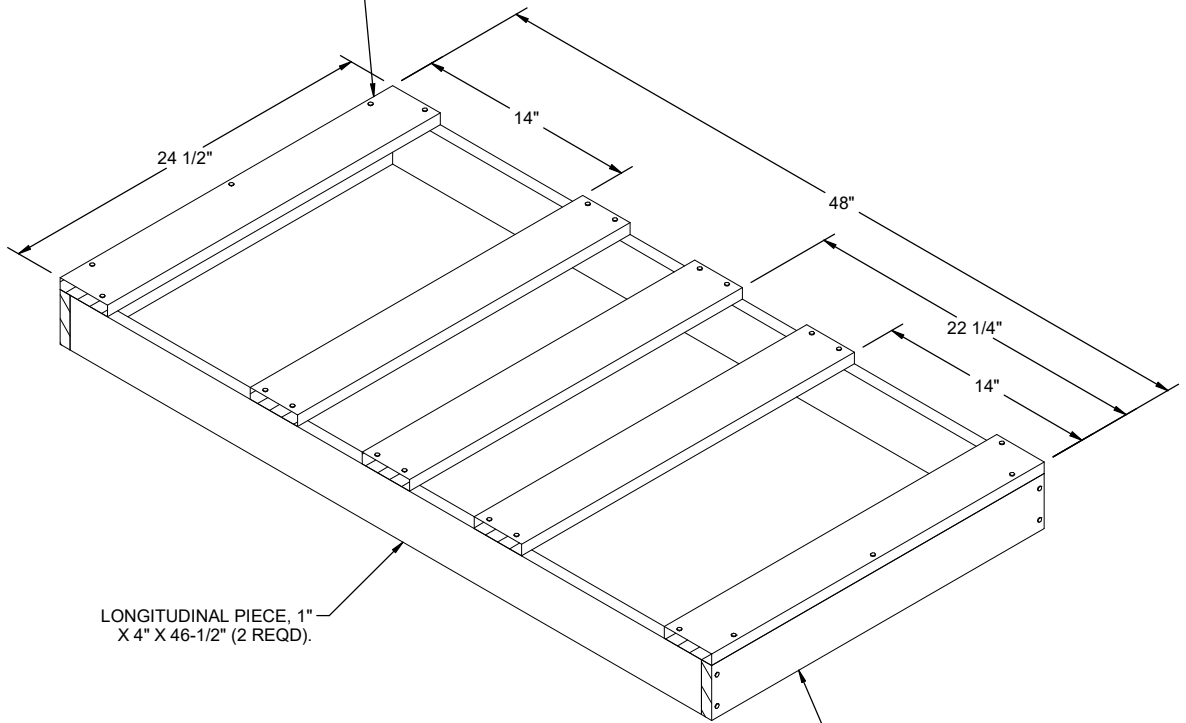


FRONT VIEW

KEY NUMBERS

- ① POST, 4" WIDE X 2-3/4" HIGH X 3-1/2" LONG (6 REQD). SEE THE "POST" DETAIL AND SPECIAL NOTE 2 ON PAGE 10 OF DRAWING 19-48-4138-20PA1000.
- ② STRINGER, 1" X 6" X 48" (2 REQD). POSITION AS SHOWN. SEE SPECIAL NOTE 1.B ON PAGE 10, AND MATERIAL SPECIFICATIONS ON PAGE 5 OF DRAWING 19-48-4138-20PA1000.
- ③ TOP DECK BOARD, 1" X 6" X 24-1/2" (3 REQD). POSITION AS SHOWN AND NAIL THRU STRINGER PIECE INTO POST W/3 NLPLD-08 OR NLPLD-10 NAILS AT EACH END WITH A STAGGERED NAILING PATTERN. SEE SPECIAL NOTE 1.A ON PAGE 10 OF DRAWING 19-48-4138-20PA1000.
- ④ TOP DECK BOARD, 1" X 4" X 24-1/2" (6 REQD). POSITION AS SHOWN AND NAIL TO STRINGER PIECE W/2 NLPLD-01 OR NLPLD-02 NAILS AT EACH END. SEE SPECIAL NOTES 1.A, 4, AND 5 ON PAGE 10 OF DRAWING 19-48-4138-20PA1000.
- ⑤ RUNNER, 1" X 4" X 24-1/2" (3 REQD). POSITION AS SHOWN AND NAIL TO POST W/3 NLPLD-04 NAILS AT EACH JOINT. SEE NAILING PATTERN IN "PARTIAL BOTTOM VIEW" ON PAGE 9 AND SPECIAL NOTE 1.A ON PAGE 10 OF DRAWING 19-48-4138-20PA1000.

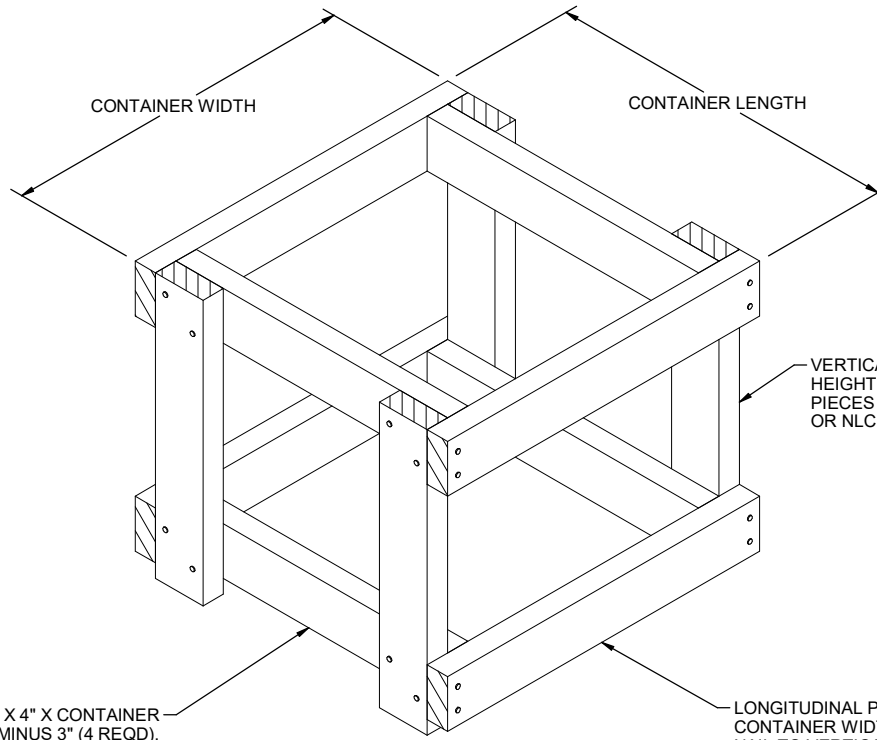
TIE PIECE, 1" X 4" X 24-1/2" (5 REQD). NAIL OUTER TIE PIECES TO LONGITUDINAL PIECES W/1-6d NAIL (NLCMS-05 OR NLCMPS-28) AT EACH END AND TO LATERAL PIECE W/3-6d NAILS (NLCMS-05 OR NLCMPS-28) AS SHOWN. NAIL THREE INNER PIECES TO LONGITUDINAL PIECES W/2-6d NAILS (NLCMS-05 OR NLCMPS-28) AT EACH END.



LONGITUDINAL PIECE, 1" X 4" X 46-1/2" (2 REQD).

LATERAL PIECE, 1" X 4" X 24-1/2" (2 REQD). NAIL TO LONGITUDINAL PIECES W/2-6d NAILS (NLCMS-05 OR NLCMPS-28) AT EACH END.

TOP ADAPTER

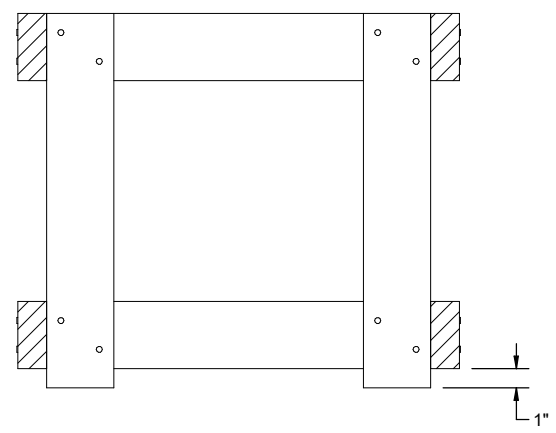


LATERAL PIECE, 2" X 4" X CONTAINER LENGTH MINUS 3" (4 REQD).

VERTICAL PIECE, 2" X 4" X CONTAINER HEIGHT (4 REQD). NAIL TO LATERAL PIECES W/2-10d NAILS (NLCMS-09 OR NLCMPS-72) AT EACH END.

LONGITUDINAL PIECE, 2" X 4" X CONTAINER WIDTH (4 REQD). NAIL TO VERTICAL PIECES W/2-10d NAILS (NLCMS-09 OR NLCMPS-72) AT EACH END.

FILLER ASSEMBLY
(FOR MINUS ONE CONTAINER)



FRONT VIEW