

APPENDIX 127N

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

DUMMY BOOSTER, DEMOLITION CHARGE: NON-ELECTRIC, 30 FT INERT DETONATING CORD, M652, PACKED 120 PER FIBERBOARD BOX, UNITIZED 24 BOXES PER 40" X 48" PALLET; APPROX BOX SIZE 24-1/2" L X 12-1/4" W X 10-3/4" H

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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U.S. ARMY MATERIEL COMMAND DRAWING

<p>APPROVED, COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER</p> <p>HANSEN.JO. Digitally signed by HANSEN.JOSEPH.W. SEPH.W.1376 1376495538 495538 Date: 2020.12.03 08:59:45 -06'00' 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>APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND</p> <p>WARD.GINA. Digitally signed by WARD.GINA.M.1369379808 M.1369379808 Date: 2020.12.16 14:59:50 -06'00' AMSJM-MLT</p>	<p>DO NOT SCALE</p>		<p>MAY 2020</p>																	
<p>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</p> <p>SMITH.THERESA. Digitally signed by SMITH.THERESA.ANN.1009147 ANN.1009147639 Date: 2020.12.21 10:25:10 -06'00' U.S. ARMY DEFENSE AMMUNITION CENTER</p>	<table border="1" style="width: 100%;"> <tr> <td style="width: 25%;">DESIGN ENGINEER</td> <td style="width: 25%;">BASIC</td> <td colspan="2" style="text-align: center;">RICHARD GARSIDE</td> </tr> <tr> <td></td> <td style="text-align: center;">REV.</td> <td colspan="2" style="text-align: center;">RICHARD GARSIDE</td> </tr> </table>	DESIGN ENGINEER	BASIC	RICHARD GARSIDE			REV.	RICHARD GARSIDE		<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">REVISION NO. 1</td> <td style="width: 50%;">NOVEMBER 2020</td> </tr> </table>	REVISION NO. 1	NOVEMBER 2020	<p>SEE THE REVISION LISTING ON PAGE 2</p>							
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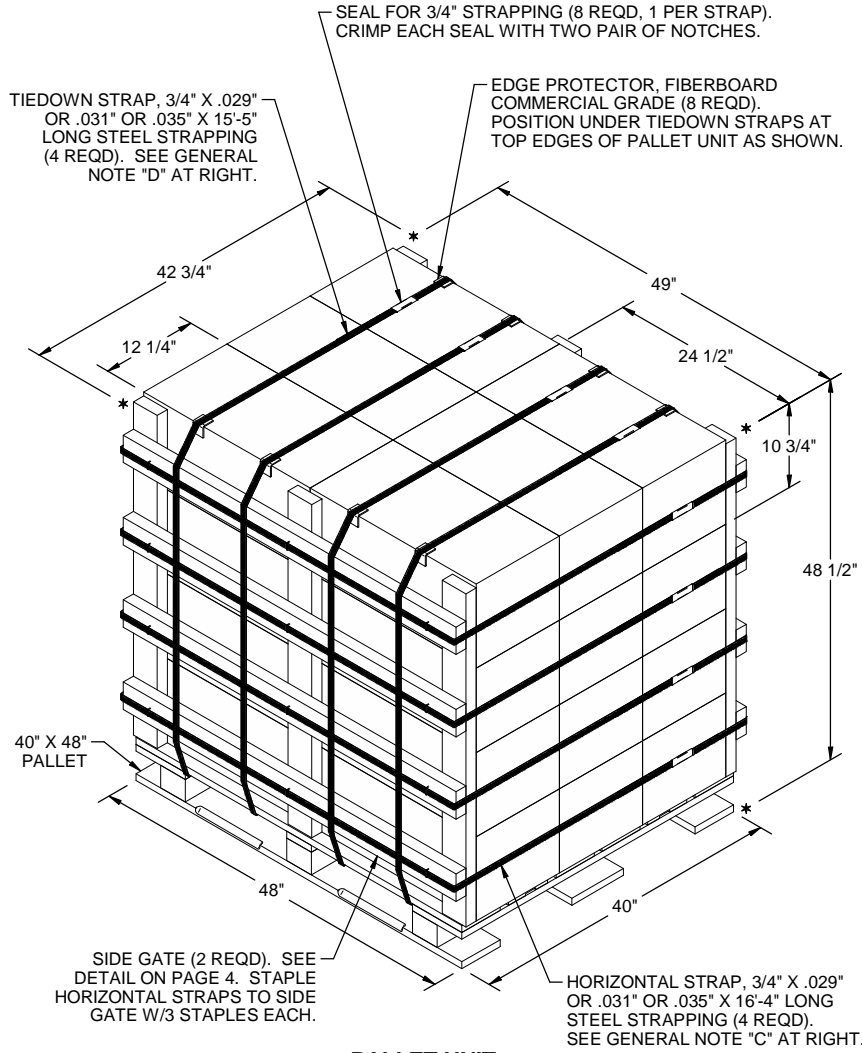
PALLET UNIT DATA				
ITEMS INCLUDED		*HAZARD CLASS AND DIVISION	*COM-PATI-BIL-ITY GROUP	APPROX WEIGHT (LBS)
NSN	DODIC			
1375-01-470-2399	MN75	-----I NERT-----		692

*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 NOVEMBER 2020, CONSISTS OF CHANGES PER ERR R20K3007 INCLUDING:
CORRECTING DRAFTING ERRORS ON PAGES 2 THROUGH 4.

GENERAL NOTES



PALLET UNIT
SEE GENERAL NOTE "B" AT RIGHT.

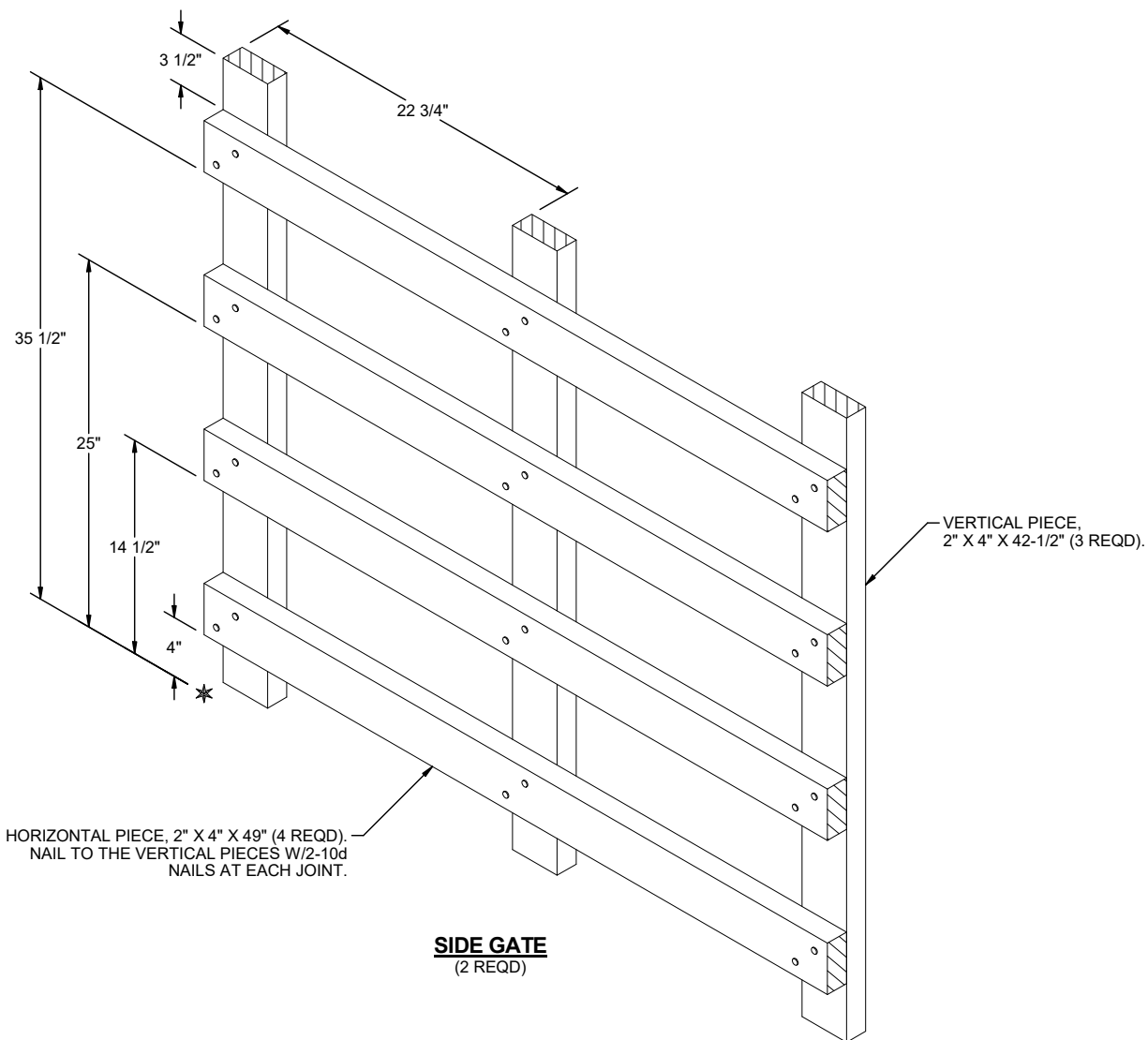
- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002. TO PRODUCE AN APPROVED UNIT LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN 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. INSTALL EACH HORIZONTAL STRAP TO BE LOCATED AS SHOWN. HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE HORIZONTAL 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
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 APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING DEMOLITION CHARGE BOOSTERS 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. ALL WOODEN DUNNAGE SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH GENERAL NOTE "AA" IN THE BASIC PROCEDURES, AND HEAT TREATED IN ACCORDANCE WITH GENERAL NOTE "JJ" IN THE BASIC PROCEDURES.
- K. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, ONE LAYER OF BOXES AND ONE HORIZONTAL STRAP AND SEAL MUST BE OMITTED AND TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 13'-7". THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 37-3/4", A GROSS UNIT WEIGHT OF 540 POUNDS, AND A UNIT CUBE OF 45.8 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.
- L. FOR DETAILS OF THE FIBERBOARD BOX SEE CCDC DRAWING 13096806.

24 BOXES OF DEMO CHARGE BOOSTERS (120 PER BOX) @ 22 LBS -	528 LBS
DUNNAGE - - - - -	84 LBS
PALLET - - - - -	80 LBS
TOTAL WEIGHT - - - - -	692 LBS (APPROX)
CUBE - - - - -	58.8 CU FT (APPROX)

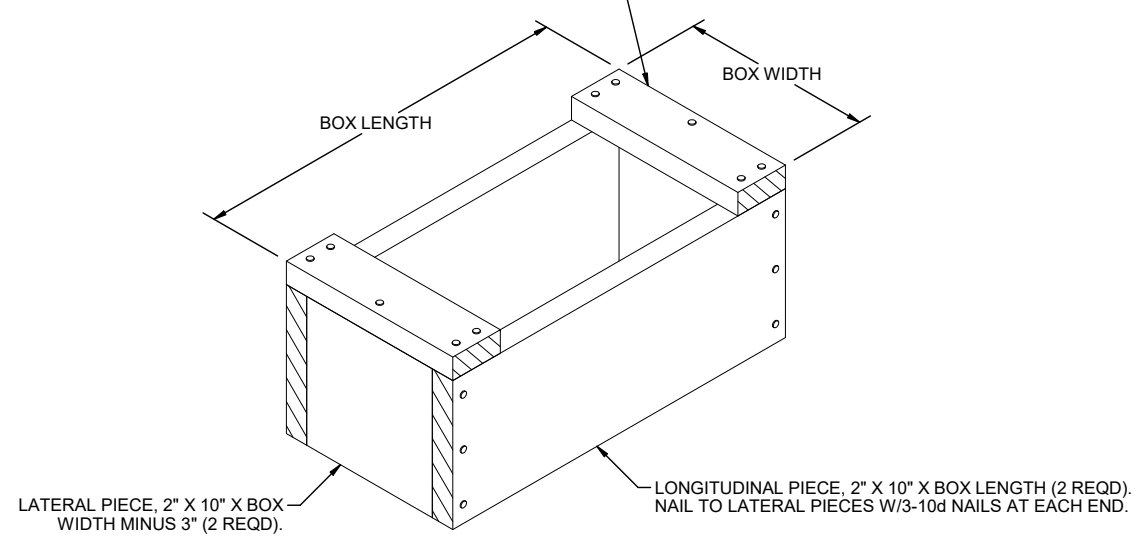
BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" x 4"	53.92	35.94
NAILS	NO. REQD	POUNDS
10d (3")	48	3/4
PALLET, 40" x 48" - - - - -	1 REQD - - - - -	80 LBS
STEEL STRAPPING, 3/4" - 126.66' REQD - - - - -		11.3 LBS
SEAL FOR 3/4" STRAPPING - - - 8 REQD - - - - -		NIL
FIBERBOARD EDGE PROTECTOR - - 8 REQD - - - - -		NIL
STAPLE, 15/16" x 3/4" - - - 24 REQD - - - - -		NIL



HORIZONTAL PIECE, 2" X 4" X 49" (4 REQD).
 NAIL TO THE VERTICAL PIECES W/2-10d
 NAILS AT EACH JOINT.

SIDE GATE
 (2 REQD)

TIE PIECE, 2" X 4" X BOX WIDTH (2 REQD). NAIL
 TO LONGITUDINAL PIECES W/2-10d NAILS AT EACH
 END AND TO LATERAL PIECE W/1-10d NAIL.



LATERAL PIECE, 2" X 10" X BOX
 WIDTH MINUS 3" (2 REQD).

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

FILLER ASSEMBLY
 (FOR MINUS ONE BOX)