APPENDIX 117A

UNITIZATION PROCEDURES FOR BOXED AMMUNITION AND COMPONENTS ON SKIDDED BASES

DEMOLITION KIT, RAPID WALL BREACHING, TACTI-CAL, M322, BLASTING, PRACTICE, M323, OR TRAIN-ING, M324, PACKED 2 PER METAL DRUM, UNITIZED 4 DRUMS PER TYPE II SKID BASE; APPROX DRUM SIZE 24-3/8" DIA X 17-1/2" H

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

DISTRIBUTION STATEMENT A

APPROVED FOR PUBLIC RELEASE DISTRIBUTION IS UNLIMITED.

U.S. ARMY MATERIEL COMMAND DRAWING

APPROVED, U.S. ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND CAUTION: VERIFY PRIOR TO USE AT WWW.DAC.ARMY.MIL THAT THIS IS REHMSTEDT.MA Digitally signed by REHMSTEDT.MARK.J.12300 THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4. RK.J.1230548400 ou=PKI, ou=USA, on=REFMSTEDT.MARK.J.1230548400 Date: 2009.10.26 20:34:00 -05'00' RDAR-EIL-TP DO NOT SCALE APPROVED U.S. ARMY **NOVEMBER 2007** JOINT MUNITIONS COMMAND CASILLAS.GILBERT.

Digitally signed by CASILLAS.GILBENT.

J. 1230399644

Digitally signed by CASILLAS.GILBENT.

DIgitally signed by CASILLAS.GILBENT.

J. 1230399644

Digitally signed by CASILLAS.GILBENT. **ENGINEER** BASIC **ADIN FELICIANO** bu=PKI, ou=USA, cn=CASILLAS.G J.1230393644 Date: 2009.10.30 10:47:04 -05'00' J.1230393644 RF\/ **ADIN FELICIANO** TECHNICIAN AMSJM-LIT **REVISION NO. 1 SEPTEMBER 2009** TRANSPORTATION APPROVED BY ORDER OF COMMANDING FIEFFER.LAURA. **ENGINEERING** GENERAL, U.S. ARMY MATERIEL COMMAND SEE THE REVISION LISTING ON PAGE 2 A.1230375727 Danie 2009.10.11 13:04:10-05:00 DIVISON BARICKMAN. Digitally signed by BARICKMAN PHILP W. 12302 Div. cit. S. out 95, Outermant our Dol. out 96, out 98, out 98 TESTED CLASS DIVISION DRAWING FILE CARNEY.GAR
Digitally signed by
CARNEY.GAR/BURTON.1038708038
Y.BURTON.10
Div. c-US, o-ULS. Government,
ou-Dob. ou-PVA, ou-USA,
ou-Dob. ou-PVA, Use-USA,
ou-Dob. ou-PVA,
Div. c-US, o-ULS,
ou-Dob. ou-VVA,
ou-Dob. ou-PVA,
ou-Dob. ou-VVA,
ou-VV VALIDATION **ENGINEERING** 01=BARICKMAN.PHILIP.W.12302 02 Date: 2009.10.16 07:40:24 -05'00' DIVISON 0202202 4138/ 38708038 20PA1000 19 48 Date: 2009.11.04 09:19:09 -06'00 BEAVER.JERRY Digitally signed by
BEAVER.JERRY DN: c=U.S. o=U.S. Govern **ENGINEERING** 117A DIRECTORATE .W.1230949952 U.S. ARMY DEFENSE AMMUNITION CENTER

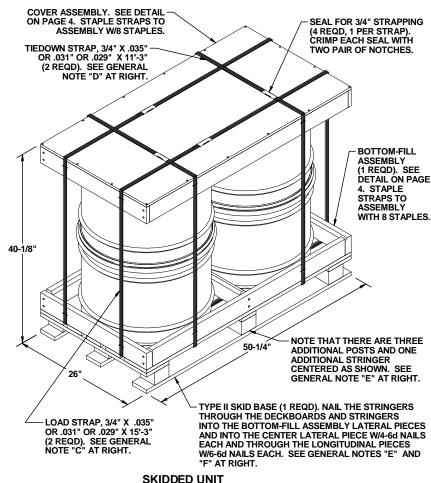
PALLET UNIT DATA								
ITEMSINCLUDED		*HAZARD						
NSN	DODIC	CLASS AND DIVISION	*COMPATI- BILITY GROUP	APPROX WEIGHT (LBS)				
1375-								
01-517-9435	MN95	1.1	В	426				
01-517-9437 6920-	MPO2	1.1	В	426				
01-518-2412	MZ06	I NERT	I NERT	426				

^{*}HAZARD AND 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 SEPTEMBER 2009, CONSISTS OF:

- 1. REDUCING DRUM HEIGHT AND MODIFYING SKIDDED UNIT AS NECESSARY.
- 2. MODIFYING DUNNAGE ASSEMBLIES.



SKIDDED UNIT SEE GENERAL NOTE "B" AT RIGHT.

4 DRUMS OF DEMOLITIO DUNNAGE SKID BASE			 46 LBS
	TOTAL WEIGHT - CUBE	===	436 LBS (APPROX) 30.8 CU FT (APPROX)

BILL OF MATERIAL						
LUMBER	LINEAR FEET	BOARD FEET				
1" X 4"	12. 46	4. 15				
2" X 4"	14. 63	9. 75				
NAI LS	NO. REQD	POUNDS				
6d (2")	48	1/2				
10d (3")	12	1/4				
PLYWOOD, 1/2" 9.07 SQ FT REQD 12.48 LBS STRAP STAPLE, 15/16" X 3/4" 16 REQD NI L						

STEEL STRAPPING, 3/4" - - - 53.00' REQD - - 4.75 LBS

SEAL FOR 3/4" STRAPPING - - - - 4 REQD - - - - NIL

GENERAL NOTES

- 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 DRUMS AND THE WEIGHT OF THE SPECIFIC ITEM BEING UNITIZED.
- C. THE LOAD STRAPS MUST BE PRE-POSITIONED ON THE SKID BASE DECK PRIOR TO PLACING DRUMS 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 TEN-SIONED 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 50-1/4" AND THE "L" DIMENSION OF THE SKID BASE WILL BE 26". CONSTRUCT THE SKID BASE IAW DRAW-ING 19-48-4138-20PA1000 BY ADDING THREE POSTS AND A 1" X 4" BY DIM "L" STRINGER CENTERED AS SHOWN. CAUTION: DO NOT USE LUMBER FROM GROUP I (TABLE 1, BASIC DRAWING) TO CONSTRUCT THE TOP DECK BOARDS. A TYPE I SKID BASE WILL NOT BE USED.
- F. THE RUNNERS IN THE SKID MAY BE INSTALLED AFTER ATTACHING THE DECK BOARDS TO THE BOTTOM SUP-PORT ASSEMBLY IF IT FACILITATES INSTALLATION.
- G. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADI NG - - - 19-48-4123-5PA1003
TRUCKLOADI NG - - 19-48-4124-11PA1004
STORAGE - - - 19-48-4125-1-2-3-4-1422PA1003
END OPENI NG I SO
CONTAI NER - - - 19-48-4153-15PA1002
MI LVAN - - - - 19-48-4166-15PA1003
SI DE OPENI NG I SO
CONTAI NER - - - 19-48-4267-15PA1009

- H. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS REVISION, THE DRUMS NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS REVISION TO THIS APPENDIX.
- J. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING RAPID WALL BREACHING DEMOLITION KITS WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON PAGE 2, PROVIDED THE DRUM PACK DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.
- K. ALL DUNNAGE SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH GENERAL NOTE "X" IN THE BASIC PROCEDURES.
- L. FOR DETAILS OF THE METAL DRUM SEE MILITARY
 STANDARD MS27683-5
- M. DIMENSIONS GIVEN FOR DUNNAGE PIECES WILL BE FIELD CHECKED PRIOR TO THEIR ASSEMBLY TO THE SKIDDED UNIT. DRUMS MUST FIT SNUGLY IN THE DUNNAGE ASSEMBLIES. ALSO, DUE TO THE VARIATION OF DRUM DIMENSIONS, ADJUSTMENTS MAY BE REQUIRED AS TO THE LOCATION OF CERTAIN PIECES OF DUNNAGE IN A DUNNAGE ASSEMBLY.
- N. THE UNIT MAY BE REDUCED TO TWO DRUMS BY ELIMI-NATING ONE LAYER, OR ONE DRUM BY ELIMINATING ONE LAYER AND USING A FILLER ASSEMBLY TO RE-PLACE ONE DRUM.

PAGE 3

