APPENDIX 19

UNITIZING PROCEDURES FOR PROPELLING CHARGES PACKED IN CYLINDRICAL METAL CONTAINERS ON 4-WAY ENTRY PALLETS

PA97 SERIES CONTAINER

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| PALLET UNIT DATA | | | | | | | | |
|---------------------------|-------|--------------|-------------|-------------|---------------|--------|--|--|
| ITEMS INCLUDED HAZARD CLA | | | | SSIFICAT | WEIGHT | | | |
| NSN | DODIC | DOT CLASS | CG CLASS | QD CLASS | COMP GROUP | (LBS) | | |
| UNASSIGNED | | | _ | | | 1, 919 | | |

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4042A-20PM1001.

• HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PURPOSES ONLY. VERIFI-CATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULT-ING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).

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| 1 | l | / | | U.S. AMEY DEFENSE AMERITON CONTER AND SCHOOL | | | | | |
| | I V | | U.S. | ARMY [| ARCOM | DRAWING | | | |
| | | | | 9 | SEPTEMBER 1983 | | | | |
| | | | | CLASS | DIVISION | DRAWING | FILE | | |
| | | | | 19 | 48 | 4042A/ 19 | 20PM 1001 | | |

DO NOT SCALE

GENERAL NOTES

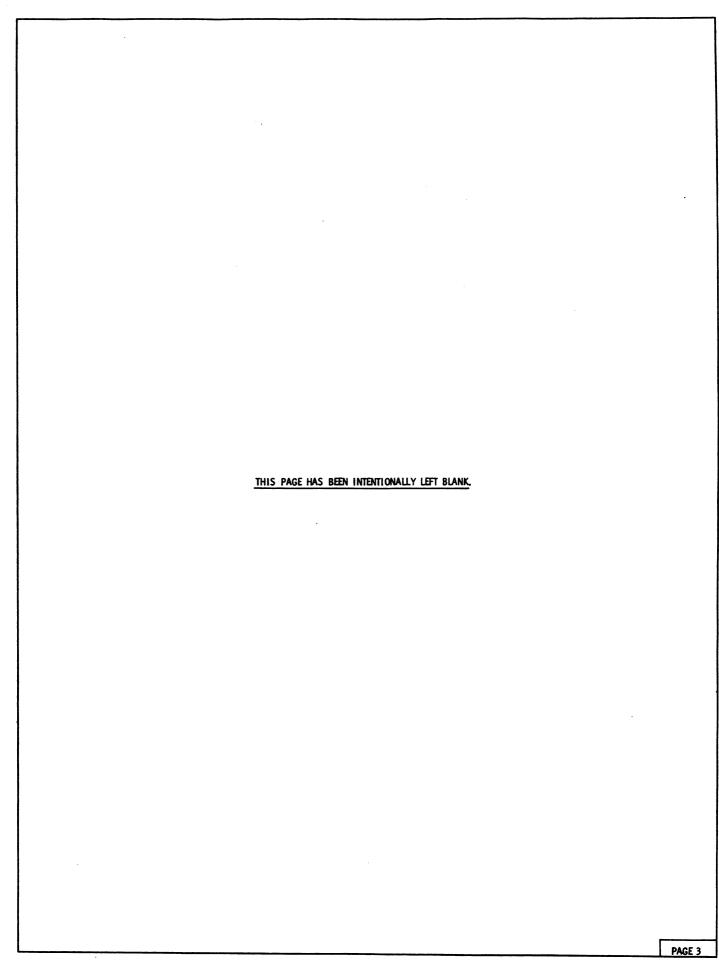
- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZING PROCEDURES DRAWING 19-48-4042A-20PM1001. TO PRODUCE AN APPROVED UNIT LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN 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 CONTAINER, WEIGHT OF THE SPECIFIC ITEM, AND METHOD OF UNITIZATION.
- C. OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX SHALL BE ACCOMPLISHED IN ACCORDANCE WITH AMC (DARCOM) DRAWINGS IDENTI-FIED WITHIN DA PAMPHLET 75-5.
- D. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM DRAWING 19-48-4127-20P1000.
- E. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE CONTAINERS NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- F. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING PROPELLING CHARGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN.) THAN THOSE SHOWN ON THE COVER PAGE, PROVIDED THE ITEM IS PACKED IN THE PA97 SERIES CONTAINER. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN THOSE SHOWN.
- G. FOR DETAILS OF THE PA97 SERIES CONTAINER, SEE US ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND DRAWING NO. 9331202.

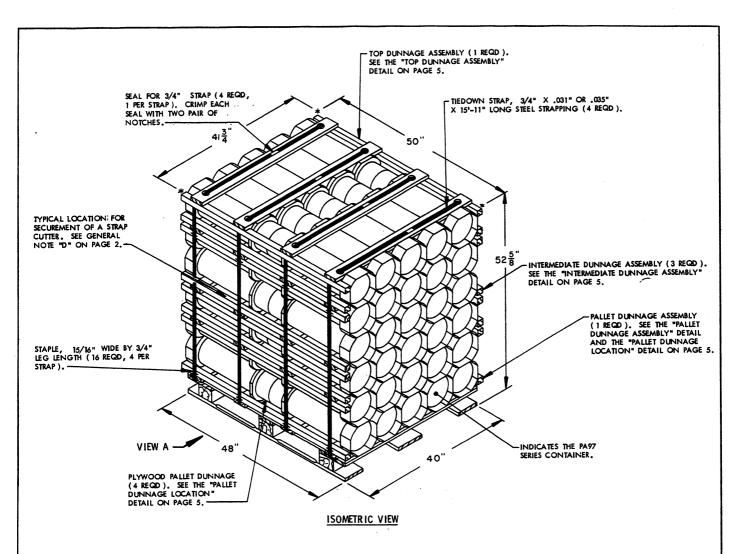
H. IF DEEMED MORE ECONOMICAL FOR SHIPPING AND STORAGE BY THE RESPONSIBLE COMMAND, THE UNIT DEPICTED ON THE FOLLOWING PAGES MAY BE DECREASED BY ONE COMPLETE LAYER OF CONTAINERS. FOR FURTHER UNITIZATION GUIDANCE, SEE SPECIAL NOTES ON PAGE 4.

REVISION

REVISION NO. 1, DATED JULY 1986, CONSISTS OF:

CHANGING 1-1/4" STRAPPING TO 3/4" STRAPPING.



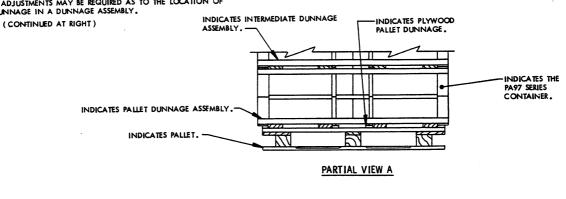


SPECIAL NOTES:

- WHEN THE UNIT LOAD DEPICTED ABOVE IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, TWO LAYERS OF CONTAINERS MUST BE OMITTED, THE UPPER-MOST "INTERMEDIATE DUNNAGE ASSEMBLY" MUST BE OMITTED, AND THE TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 13'-4". THIS WILL RESULT IN AN OVER-ALL UNIT HEIGHT OF 37 -1/8", A GROSS UNIT WEIGHT OF 1,320 LBS., AND A UNIT CUBE OF 44.8 CUBIC FEET.
- 2. THE UNIT LOAD DEPICTED ABOVE MAY ALSO BE REDUCED BY TWO LAYERS OF CONTAINERS, AS DESCRIBED IN SPECIAL NOTE 1, WHEN BEING SHIPPED BY MILVAN OR COMMERCIAL INTERMODAL PREIGHT CONTAINER, THE DETERMINATION TO REDUCE THE LOAD BY A LAYER WILL BE MADE BY THE RESPONSIBLE COMMAND AND WILL BE BASED UPON ECONOMICS OF TRANSPORTATION AND HANDLING.
- 3. DIMENSIONS GIVEN FOR DUNNAGE PIECES OR DUNNAGE ASSEMBLIES WILL BE FIELD CHECKED PRIOR TO THEIR ASSEMBLY TO THE PALLET UNIT. CONTAINERS MUST FIT SNUGLY IN THE DUNNAGE ASSEMBLIES. A LISO, DUE TO THE VARIATION OF CON-TAINER DIMENSIONS, ADJUSTMENTS MAY BE REQUIRED AS TO THE LOCATION OF CERTAIN PIECES OF DUNNAGE IN A DUNNAGE ASSEMBLY.

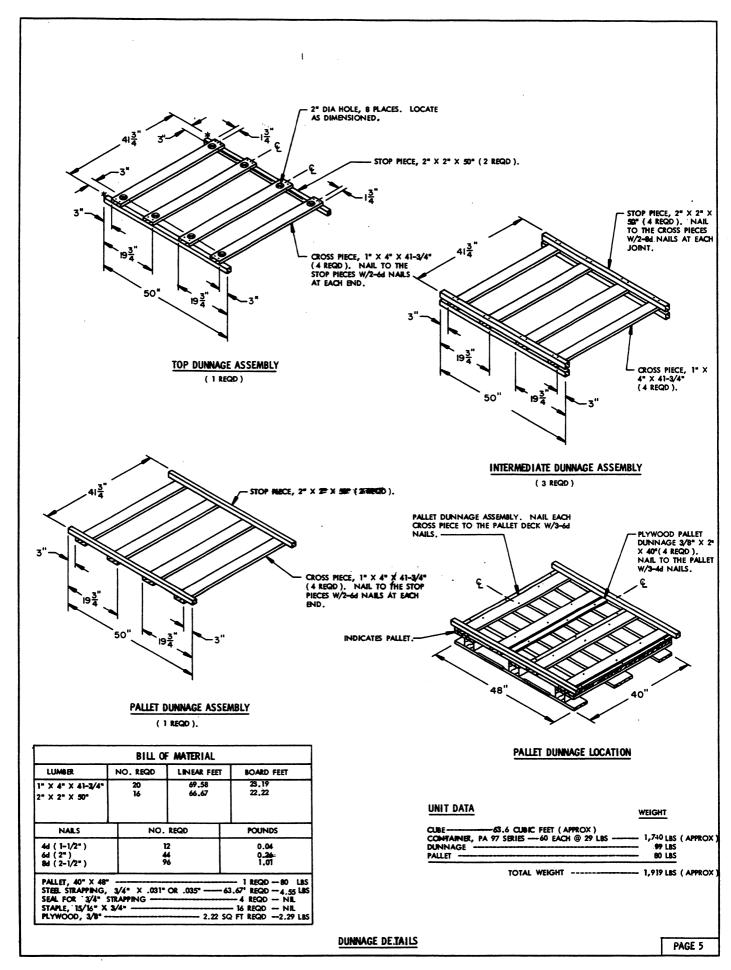
(SPECIAL NOTES CONTINUED)

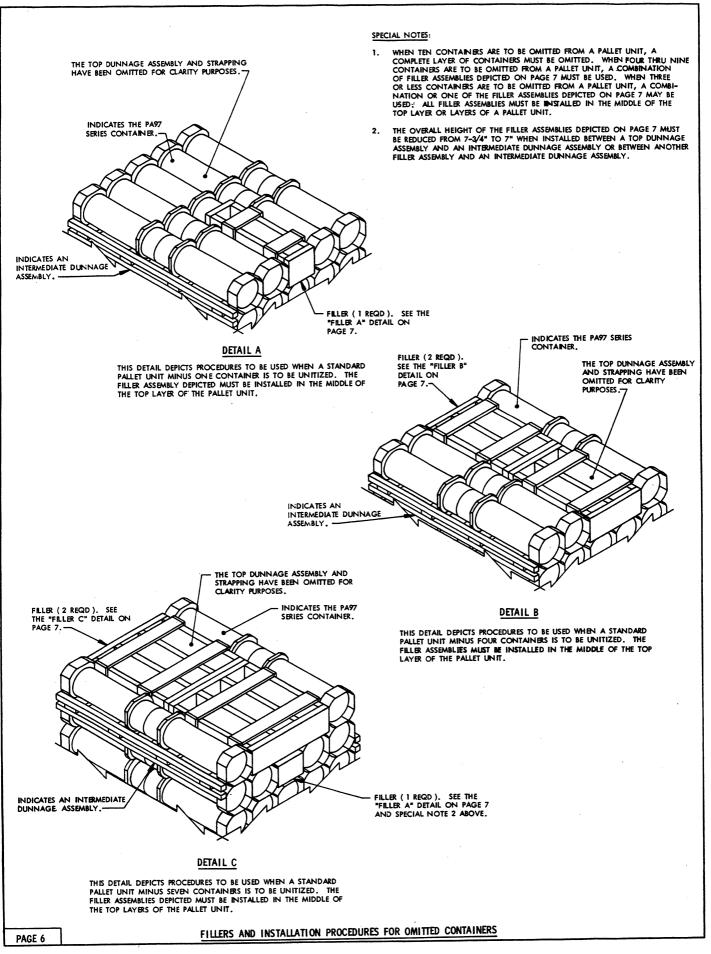
4. ALTHOUGH THE PROPELLING CHARGE CONTAINERS DEPICTED IN THE UNIT LOAD ABOVE ARE CONSTRUCTED WITH INTERLOCKING DEVICES, THE INTERLOCKS WILL NOT FUNCTION PROPERLY UNLESS THE CONTAINERS ARE POSITIONED SO THAT THE "PINS" OF THE INTERLOCKS ARE IN AN UPRIGHT ORIENTATION. THIS ORIENTATION WILL PRECLUDE INTERFERENCE OF THE "PINS" AND THE PLYWOOD PALLET DUNNAGE AND WILL AID IN THE PREVENTION OF CONTAINER MOVEMENT, BOTH LATERALLY AND LONGITUDINALLY, DURING SHIPMENT OF THE UNIT LOAD.

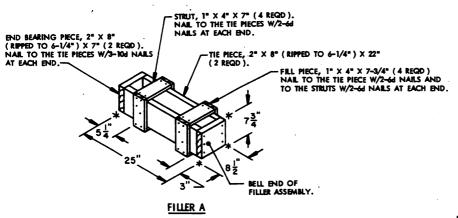


UNIT DETAIL

PAGE 4







THIS FILLER ASSEMBLY IS TO BE USED WHEN ONE CONTAINER IS TO BE OMITTED FROM A PALLET UNIT, OR IN COMBINATION WITH OTHER FILLER ASSEMBLIES.

FILL PIECE, 1" X 4" X 7-3/4" (4 REQD).

NAIL TO THE TIE PIECE W/2-6d NAILS AND

TO THE STRUTS W/2-6d NAILS AT EACH END.

THE PIECES W/2-6d NAILS AT EACH END.

THE PIECE, 2" X 8" (RIPPED TO 6-1/4"

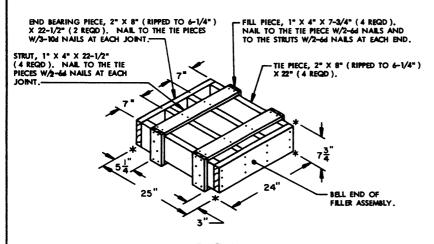
X 22" (3 REQD).

BELL END OF
FILLER ASSEMBLY.

- END BEARING PIECE, 2" X 8 (RIPPED TO 6-1/4") X 14-3/4" (2 REQD), NAIL TO THE TIE PIECES W/3-104 NAILS AT EACH JOINT.

FILLER B

THIS FILLER ASSEMBLY IS TO BE USED WHEN TWO CONTAINERS ARE TO BE OMITTED FROM A PALLET UNIT, OR IN COMBINATION WITH OTHER FILLER ASSEMBLIES.



FILLER C

THIS FILLER ASSEMBLY IS TO BE USED WHEN THREE CONTAINES ARE TO BE OMITTED FROM A PALLET UNIT, OR IN COMBINATION WITH OTHER FILLER ASSEMBLIES.

FILLERS AND INSTALLATION PROCEDURES FOR OMITTED CONTAINERS

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