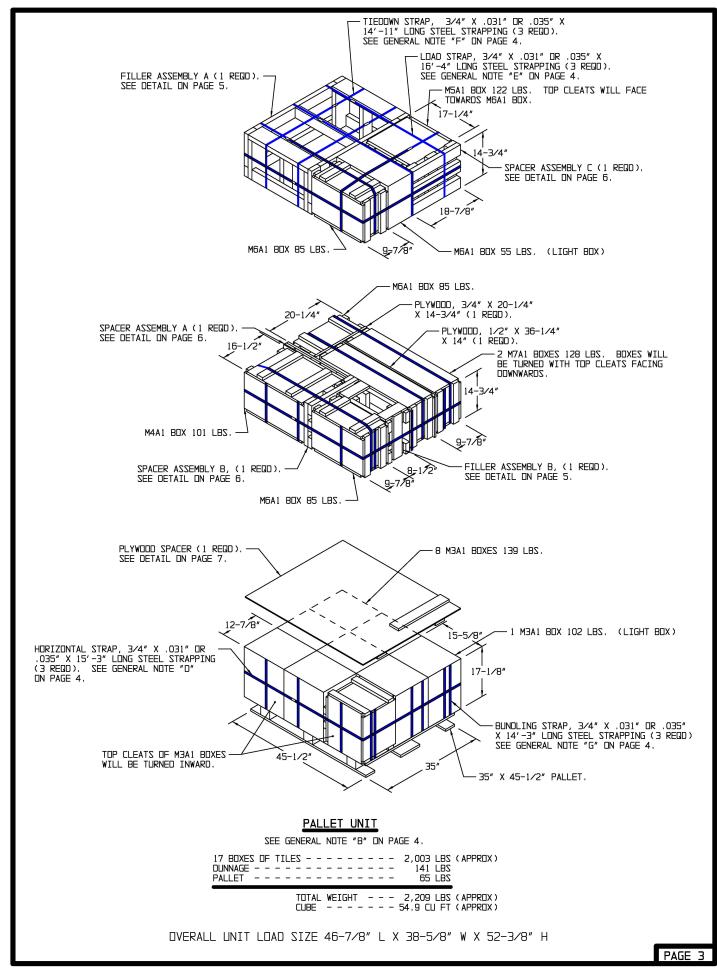
UNITIZATION PROCEDURES FOR BRADLEY ARMOR TILE COMBINA-TION PALLET, PACKED VARIOUS QUANTITIES IN VARIOUS WOODEN BOXES, UNITIZED 17 BOXES PER 35" X 45-1/2" PALLET; APPROX CONTAINER SIZE VARIES

.A THEMETATE HOLTUBIRTZIO ARMY MATERIEL COMMAND DRAWING U.S. APPROVED FOR PUBLIC RELEASE: DISTRIBUTION IS UNLIMITED. DRAFTSMAN BETTY J. KUNDERT APPROVED, U.S. ARMY INDUSTRIAL OPERATIONS ENGINEER . M ARONAZ SCHULT2 SUPPLY ENGINEERING MOITATROPSMART VALIDATION DVISION S NOI21VID ENGINEERING MO121VID w. French AZE-RA-ATZMA MT-012MA APPROVED BY ORDER OF COMMANDING GENERAL, U.S. LOGISTICS ENGINEERING OFFICE ARMY MATERIEL COMMAND Munch 1997 NO121V10 FILE 22AJ) DRAWING U.S. ARMY DEFENSE AMMUNITION CENTER 20PA DO NOT SCALE 4221/8 19 48 1009

PALLET UNIT DATA					
ITEMS INCLUDED		HAZARD CLASS AND DIVISION •		4 DDD 0 V	
NZN	DODIC	OD CLASS	COMP GROUP	APPROX WEIGHT LBS	
1375- 01-453-7834 01-453-7835 *	MN42 MN43	1.4 1.4	0	2,052 2,209	

HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PURPOSES DNLY. VERIFICATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).

^{*} THIS UNIT IS PART OF A SET, FOR NSN INFORMATION PLEASE CONSULT COMBINATION OF ADOPTED ITEMS ORAWINGS 12982782 OR 12982783.



GENERAL NOTES

- THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AR 740-1 AND AUGMENTS TM 743-200-1 (CHAPTER 5) AND CONFORMS TO MIL-STD-1660.
- 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.
- CONVERSION TO METRIC EQUIVALENTS: DIMENSIONS WITHIN THIS DOCUMENT ARE EXPRESSED IN INCHES, AND WEIGHTS ARE EXPRESSED IN POUNDS. WHEN NECESSARY, THE METRIC EQUIVALENTS MAY BE COMPUTED ON THE BASIS OF ONE INCH EQUALS 25.4 MM AND ONE POUND EQUALS 0.454 KG.
- INSTALL EACH HORIZONTAL STRAP TO BE LOCATED AS SHOWN. HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION OF TIEDOWN AND LOAD STRAPS.
- THE LOAD STRAPS WILL NOT BE THREADED THROUGH THE STRAP SLOTS OF A PALLET. THE LOAD STRAPS MAY BE THREADED THROUGH THE CLEATS OF THE BOXES OR PREPOSITIONED ON THE PALLET DECK PRIOR TO PLACING BOXES ON THE PALLET. LOAD STRAPS MUST BE TENSIONED PRIOR TO THE APPLICATION OF TIEDOWN STRAPS AND AFTER THE APPLICATION OF TIEDOWN STRAPS AND AFTER THE APPLICATION OF HORIZONTAL STRAPS.
- INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE LOAD STRAPS AND HORIZONTAL STRAPS HAVE BEEN TENSIONED AND
- INSTALL EACH BUNDLING STRAP TO ENCIRCLE THE BOTTOM TWO LAYERS OF BOXES AND FILLERS ON THE PALLET. THE BUNDLING STRAPS MAY BE THREADED THROUGH THE CLEATS OF BUNDLING STRAPS MAY BE THREADED THROUGH THE CLEATS OF THE BOXES OR PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING BOXES ON THE PALLET. THE BUNDLING STRAPS WILL NOT BE THREADED THROUGH THE STRAP SLOTS OF THE PALLET. THE BUNDLING STRAPS MUST BE APPLIED BEFORE THE THIRD LAYER IS LOADED ONTO THE PALLET AND AFTER THE HORIZONTAL STRAPS ARE APPLIED TO THE FIRST AND SECOND LAYERS.
- THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR DUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS DRAWING.

CARLOADING - - - 19-48-4115-5PA1002 TRUCKLOADING - - 19-48-4117-11PA1003

- - - - 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 - 19-48-4267-15PA1009 CONTAINER

- IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS DRAWING, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS DRAWING.
- THE LINITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING ARMOR TILE 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 SUBBAN WHAT IS SHOWN.
- THE STYLE 1A PALLET DELINEATED IN THE DETAIL ON PAGE 3 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 DRAWING.
- ALL DUNNAGE, SUCH AS FILLER OR SPACER ASSEMBLIES, USED IN UNIT LOADS SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH THE PROCEDURES SPECIFIED IN MIL-B-2427 FOR CLEATED WOODEN BUXES. IF THE DUNNAGE CONSISTS OF MORE THAN ONE COMPONENT, IT MUST BE ASSEMBLED PRIOR TO TREATMENT. THE LETTERS PADENOTING POSE (COPPER-B-GUINDLINGLATE), PB DENOTING M-ADD WEED ASSEMBLED ASSEMBLED ASSEMBLED BURNADURING MESTATAD COMPONENT OF THE PROPERTY DENOTING MS50 (COPPER SUBJUNCTINGLIE), DE DENOTING GARD WS50 (ZINC NAPHTHENATE EMULSIFIABLE) OR PC DENOTING M-GARD WS10 OR CUNAPSOL 5 (COPPER NAPHTHENATE) MUST BE APPLIED TO THE WOOD DUNNAGE IN LETTERS AT LEAST ONE INCH HIGH.
- THE WOODEN BOXES ARE MIL-STD-2427 BOXES. FOR DETAILS THE MUDDEN BUXES ARE MILE-SID-2427 BUXES. FUR DETAILS
 OF THE M3 OR M3A1 BOX SEE DRAWING 12590204, FOR THE
 M4 OR M4A1 BOX SEE 12561423, FOR THE M5 OR M5A1 BOX
 SEE 12590209, FOR THE M6 OR M6A1 BOX SEE 12590330 AND
 FOR THE M7 OR M7A1 BOX SEE 12590323.

(CONTINUED AT RIGHT)

(GENERAL NOTES CONTINUED)

- DIMENSIONS GIVEN FOR DUNNAGE (FILLER ASSEMBLIES SPACER ASSEMBLIES AND PLYWOOD) WILL BE FIELD CHECKED PRIOR TO THEIR ASSEMBLY. THIS GUIDANCE MUST BE APPLIED PRIOR TO BEGINNING A PALLETIZING OPERATION APPLIED PRIUR TO BEGINNING A PALLETIZING OPERATION
 BECAUSE DIMENSIONS OF WOODEN BOXES WILL VARY. DUE TO
 VARIATIONS OF PACKAGE DIMENSIONS, ADJUSTMENTS MAY BE
 REGULTRED AS TO THE LOCATION AND/OR SIZE OF CERTAIN
 PIECES ON DUNNAGE ASSEMBLIES. THIS DRAWING USES
 ADVISORY OUTSIDE DIMENSIONS PROVIDED IN THE BOX
 DRAWINGS LISTED IN GENERAL NOTE "N". DUE TO
- UNIT LOAD MARKING WILL BE ACCOMPLISHED IN ACCORDANCE WITH DRAWING ACVOOS61, UNIT LOAD MARKING FOR SHIPMENT AND STORAGE, AMMUNITION AND EXPLOSIVES.

MATERIAL SPECIFICATIONS

MIL SPEC MIL-P-15011; 4-WAY ENTRY, STYLE 1A, TYPE I, CLASS 1, PRESERVATIVE TREATED. PALLET - - - - - -:

SEE TM 743-200-1 (DUNNAGE LUMBER) AND VOLUNTARY PRODUCT STANDARD PS-LUMBER - - - - - -:

NAILS - - - - - -: ASTM F1667; COMMON STEEL NAIL

ASIM F100/; CUMMUN STEEL NAIL
(NLCMS OR NLCMMS), ALT:
UNDERLAYMENT NAIL (NLUL), PALLET
NAIL (NLPL), OR COOLER NAIL
(NLCL) OF SAME SIZE.

PLYW000 ----: COMMERCIAL ITEM DESCRIPTION A-A-

SSOST, TYPE A, CONSTRUCTION AND INDUSTRIAL PLYWOOD, INTERIOR WITH EXTERIOR GLUE, GRADE C-D. IF SPECIFIED GRADE IS NOT AVAILABLE, A BETTER INTERIOR OR AN EXTERIOR

GRADE MAY BE SUBSTITUTED.

STRAPPING. STEEL - -: ASTM D3953; FLAT STRAPPING, TYPE

1, HEAVY DUTY, FINISH B (GRADE 2), SIZE 3/4" X .035" DR .031".

SEAL, STRAP - - - -: ASTM D3953; CLASS H, FINISH B

(GRADE 2), DOUBLE NOTCH TYPE,

STYLE I, II, III, OR IV.
ALTERNATIVE SEAL FINISH: SIGNOL
PAINTED SEALS MAY BE USED AS AN
ALTERNATIVE IF ALL SURFACES ARE

PAINTED, GRITTED BACKING IS NOT

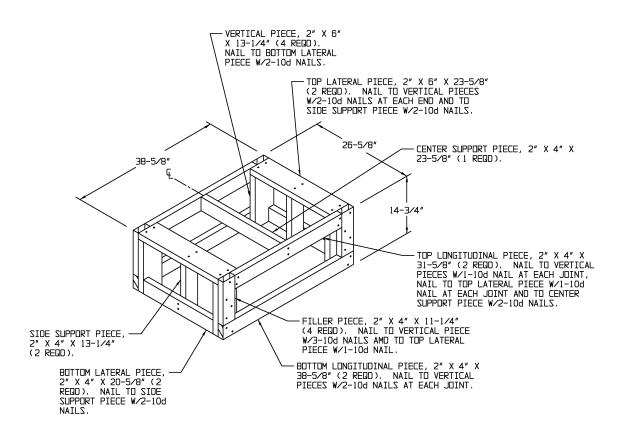
PERMITTED.

ASTM F1667; 15/16" OR 1" CROWN WIDTH X 3/4" LEG LENGTH FOR 3/4" STAPLE - - - - - -:

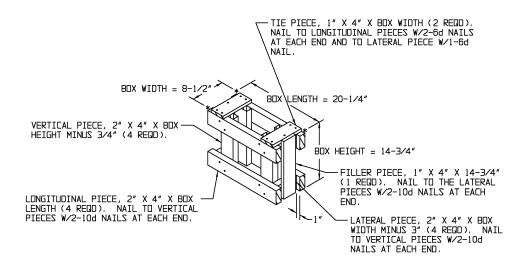
STRAPPING, TYPE IV, STYLE 3.

BILL OF MATERIAL					
LUMBER	LINEAR FEET	BOARD FEET			
1" X 4" 2" X 4" 2" X 6"	21.65 53.01 8.35	7.22 35.34 8.35			
NAILS	NO. REGO	SUNDS			
4d (1-1/2") 6d (2") 10d (3")	34 28 124	0.12 0.16 1.91			
PALLET, 35" X 45-1/2" 1 REGD 65 LBS STEEL STRAPPING, 3/4"182.25' REGD16.27 LBS					

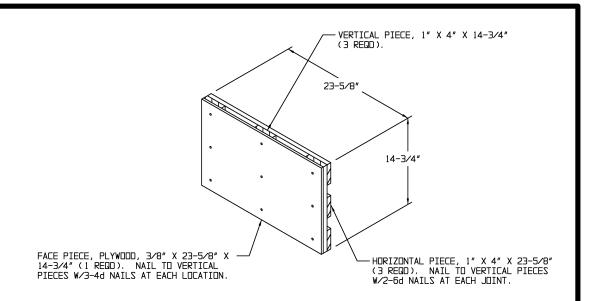
STEEL STRAFFING, 3/4 - - - - 12 REGD - - - NIL
PLYWOOD, 1/4" - - - - 12.43 SQ FT REGD - - 8.55 LBS
PLYWOOD, 3/8" - - - - 2.42 SQ FT REGD - - 2.50 LBS
PLYWOOD, 1/2" - - - - 3.52 SQ FT REGD - 4.84 LBS
PLYWOOD, 3/4" - - - - 2.07 SQ FT REGD - 4.27 LBS



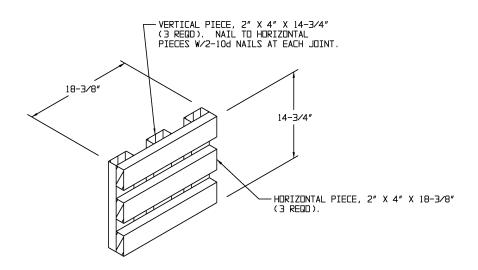
FILLER ASSEMBLY A

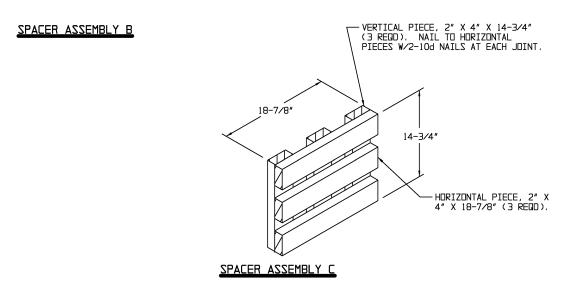


FILLER ASSEMBLY B

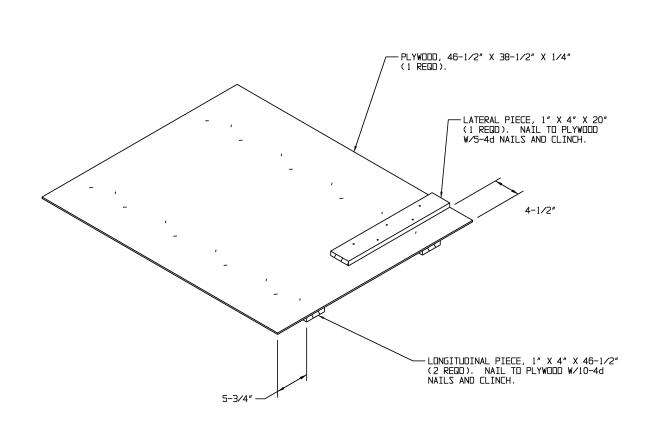


SPACER ASSEMBLY A





PAGE 6



PLYWOOD SPACER

