STINGER

UNITIZATION PROCEDURES FOR EJECT MISSILE GROUP ROCKET MOTOR, PACKED ONE PER MONOPAK CONTAINER, UNITIZED 6 CONTAINERS PER 4-WAY ENTRY PALLET

U.S. ARMY MATERIEL COMMAND DRAWING								
APPROVED, U.S. ARMY MISSILE COMMAND #	DRAFT:	SMAN	TECHNICIAN	ENGINEER				
Tel a Sonen				L. FIEFFER				
APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND ALL APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIAL COMMAND APPROVED BY ORDER OF COMMANDING GENERAL, U.S.	7		STORAGE & OUTLOAD DIVISION	Rs. WF Ernst				
	/	L	DECEMBER 1990					
U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	CLASS	DIVICIO	N DRAWING	FILE				
	19	48	5263	GM20SR5				

DO NOT SCALE

GENERAL NOTES

- THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AR 740-1 AND ALIGMENTS TM 743-200-1 (CHAPTER 5) AND CONFORMS TO MIL-SID-1660.
- DIMENSIONS, CUBE AND WEIGHT OF A PALLET UNIT WILL VARY SLIGHTLY DEPENDING UPON THE ACTUAL DIMENSIONS OF THE \cdot CONTAINER AND THE SPECIFIC ITEM BEING UNITIZED. В.
- FOR DETAILS OF THE STINGER EJECT MISSILE GROUP MONOPAK CONTAINER, SEE U.S. ARMY MISSILE COMMAND DRAWING NO. 13049350.

CONTAINER DIMENSIONS - - - 56" LONG X 17" WIDE X 12-3/4" HIGH

GROSS WEIGHT OF CONTAINER WITH ITEM - - - - - - 147 LBS (APPROX)

- CAUTION: THIS ITEM IS IN A "PROPULSIVE STATE" AND MUST BE LOADED ON THE PALLET WITH THE FORWARD END (FWD) OF ALL CONTAINERS FACING IN ONE DIRECTION.
- IN ORDER TO OBTAIN COMPACT (SOUND) UNITS, ALL STRAPS SHALL THE CONTACT CONTACT CONTACT TO STATE THE CONTACT CONTA
- DIMENSIONAL LUMBER SPECIFIED THROUGHOUT THIS PROCEDURAL DRAWING IS OF NOMINAL SIZE UNLESS OTHERWISE SPECIFIED.
 FOR EXAMPLE, 1" X 6" MATERIAL IS ACTUALLY 3/4" THICK BY
 5-1/2" WIDE AND 2" X 4" MATERIAL IS ACTUALLY 1-1/2" THICK BY 3-1/2" WIDE.
- A PLUS OR MINUS 1/4" IS ALLOWED ON OVERALL DIMENSIONS OF ANY DUNNAGE ASSEMBLY. HOWEVER, SIMILAR PIECES IN AN ASSEMBLY MUST BE WITHIN 1/8" OF THE SAME DIMENSION.
- WHEN APPLYING ANY STRAP, CARE MUST BE EXERCISED TO ASSURE THAT THE END OF THE STRAP ON THE UNDERSIDE OF THE JOINT EXTENDS AT LEAST 6' BEYOND THE SEAL. THIS EXTRA MINIMUM LENGTH OF THE STRAP IS REQUIRED TO PERMIT SUBSEQUENT TIGHTENING OF LOOSENED STRAPPING. RETENSIONING CAN BE ACCOMPLISHED WITHOUT REPLACING STRAPPING OR SPLICING STRAPPING THROUGH THE USE OF A FEEDWHEEL TENSIONING TOOL, MANUAL OR PNEUMATIC, AND THE APPLICATION OF ONE ADDITIONAL
- ALL FILLER ASSEMBLIES WILL BE POSITIONED IN THE TOP LAYER OF A UNIT LOAD.
- IF LESS THAN SIX CONTAINERS ARE TO BE LOADED ON A PALLET, IT MAY BE ACCOMPLISHED BY SUBSTITUTING A FILLER ASSEMBLY, AS DIRECTED ON PAGE 4 FOR ONE OMITTED CONTAINER. HOWEVER IF MORE THAN ONE CONTAINER IS TO BE OMITTED, A COMPLETE LAYER OF CONTAINERS MUST BE OMITTED AND THE DUNNAGE ASSEMBLY MUST BE ADJUSTED ACCORDINGLY.

(CONTINUED AT RIGHT)

MATERIAL SPECIFICATIONS

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

TREATED.

SEE TM 743-200-1 (DUNNAGE LUMBER) AND FED SPEC MM-L-751. SEE GENERAL NOTE LUMBER - - - - - -:

NAILS - - - - - - : FED SPEC FF-N-105; COMMON.

ANNULAR-RING TYPE NAIL, PALLET TYPE (MECHANICALLY DEFORMED) NAIL OR

COOLER NAIL OF SAME SIZE.

STRAPPING, STEEL - -: FED SPEC QQ-S-781; CLASS 1, TYPE I OR

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

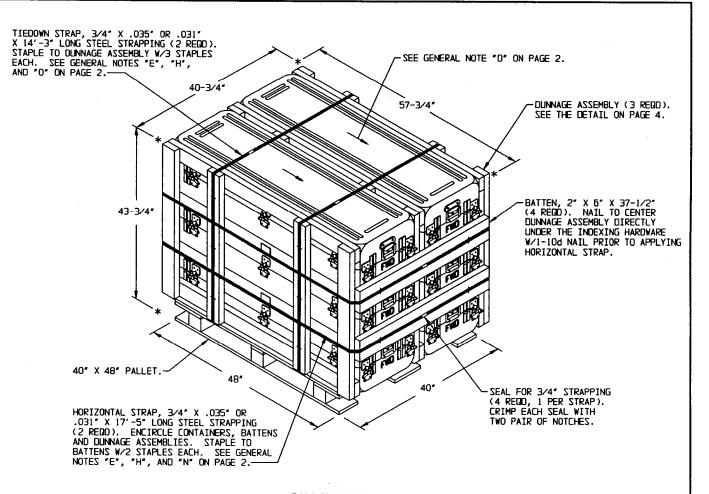
FED SPEC DD-S-781; TYPE D, STYLE I, II, OR IV, CLASS H, FINISH B (GRADE SEAL, STRAP - - - -:

FED SPEC FF-N-105; 15/16" WIDE X 3/4" LEG LENGTH, TYPE III, STYLE 3. STAPLE - - - - - -:

(GENERAL NOTES CONTINUED)

- 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.
- FOR THE METHOD OF SECURING A STRAP CUTTER TO THE PALLET LINIT, SEE AMC DRAWING 19-48-4127-20P1000.
- INSTALL EACH HORIZONTAL STRAP TO ENCIRCLE DUNNAGE ASSEM-BLIES AS SHOWN. HORIZONTAL STRAPS WILL BE TENSIONED AND SEALED PRIOR TO APPLICATION OF THE TIEDOWN STRAPS.
- INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE TOP DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIE-DOWN STRAPS WILL NOT BE APPLIED UNTIL THE HORIZONTAL STRAPS HAVE BEEN TENSIONED AND SEALED.
- ALL WOODEN DUNNAGE USED IN UNIT LOADS SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH THE PROCEDURES SPECIFIED IN MIL-B-2427 FOR CLEATED WOODEN BOXES. IF THE DUNNAGE CONSISTS OF MORE THAN ONE COMPONENT, IT MUST BE ASSEMBLED PRIOR TO TREATMENT. THE LETTERS PA DENOTING POS6 (COPPER QUINOLINOLATE), PB DENOTING M-GARD WS50 (ZINC NAPHTHENATE EMULSIFIABLE), OR PC DENOTING M-GARD WS10 OR CUNAPSOL (COPPER NAPHTHENATE) MUST BE APPLIED TO THE WOOD DUNNAGE IN LETTERS AT LEAST ONE INCH HIGH. LETTERS AT LEAST ONE INCH HIGH.
- D. WHEN ASSEMBLING A PALLET UNIT, CARE SHALL BE TAKEN TO INSURE THAT THE CONTAINERS AND ASSEMBLIES ARE EVENLY ALIGNED HORIZONTALLY AND VERTICALLY SO THAT THE SIDES AND ENDS OF THE PALLET UNIT DO NOT EXCEED A 1/2" TOLERANCE.

PAGE 2

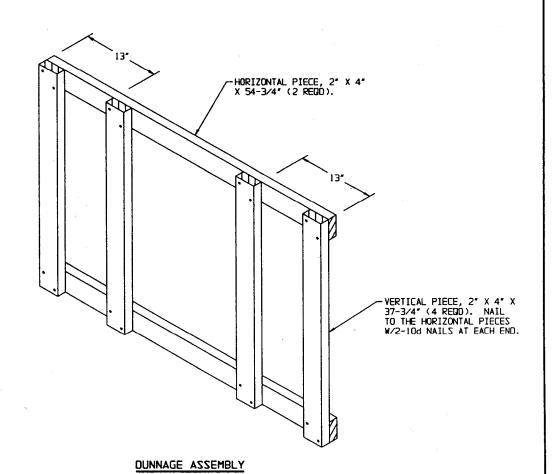


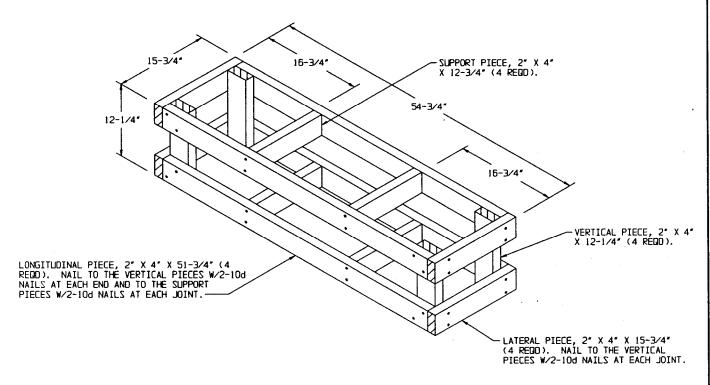
PALLET UNIT

SEE GENERAL NOTE 'B" ON PAGE 2.

6 MONOPAK CONATINERS @ 147 LBS DUNNAGE	 	 	118 FBZ
			1,080 LBS (APPROX)

BILL OF MATERIAL					
LUMBER	LINEAR FEET	BOARD FEET			
2" X 4" 2" X 6"	65.13 12.50	43.42 12.50			
NAILS	NO. REDID	20NUO9			
10d (3*)	52	0.80			
PALLET, 40" X 48" 1 REGO 80 LBS STEEL STRAPPING, 3/4" - 63.33' REGO 4.52 LBS SEAL FOR 3/4" STRAPPING 4 REGO NIL STAPLE, 15/16" X 3/4" 20 REGO NIL					





FILLER ASSEMBLY

(FOR MINUS ONE CONTAINER)
SEE GENERAL NOTES "J" AND "K" ON PAGE 2.