UNITIZATION PROCEDURES FOR CHEMICAL FILLED PROJECTILES, 105MM AND 4.2-INCH, UNITIZED 24 PROJECTILES PER SPECIAL 4-WAY ENTRY SKIDDED BASE

 THE PROCEDURES DELINEATED IN THIS DRAWING ARE FOR INTRA-INSTALLATION MOVEMENT ONLY.

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U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	CLASS	NOIZIVIO	DRAWING	FILE
	19	48	4538/1	CB 20PE1

DO NOT SCALE

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 PROJECTILES AND THE WEIGHT OF THE SPECIFIC ITEM BEING UNITIZED.
- C. DETAILS OF THE 105MM AND 4.2" PROJECTILES

HEIGHT, 105MM - - - - 19-1/2" WEIGHT, 105MM - - - - 32 LBS (APPROX) HEIGHT, 4.2" - - - 18-1/2" WEIGHT, 4.2" - - - 22 LBS (APPROX)

- DIMENSIONAL LUMBER SPECIFIED THROUGHOUT THIS PROCEDURAL DRAYING IS OF A NOMINAL SIZE, UNLESS OTHERWISE
 SPECIFIED. FOR EXAMPLE, 1" X 4" MATERIAL IS ACTUALLY
 3/4" THICK BY 3-1/2" WIDE AND 2" X 4" MATERIAL IS
 ACTUALLY 1-1/2" THICK BY 3-1/2" WIDE.
- A PLUS OR MINUS 1/8" IS ALLOWED ON OVERALL DIMENSIONS OF THE PALLET OR ANY DUNNAGE ASSEMBLY, HOWEVER, SIMILAR PIECES IN AN ASSEMBLY MUST BE WITHIN 1/8" OF THE SAME DIMENSION. HOLE DIMENSION TOLERANCES ARE PLUS 0", MINUS
- WHEN ASSEMBLING A PALLET UNIT, CARE SHALL BE TAKEN TO INSURE THAT THE COVER ASSEMBLY AND PALLET ARE EVENLY ALIGNED HORIZONTALLY AND VERTICALLY SO THAT THE SIDES AND ENDS OF THE PALLET UNIT DO NOT EXCEED A 1/2" TOLERANCE.
- IN ORDER TO OBTAIN COMPACT (SOUND) UNITS, ALL STRAPS SHALL BE LOCATED IN PROPER ALIGNMENT AND TENSIONED UNTIL THEY CUT INTO THE EDGE OF THE COVER ASSEMBLY AND THE PALLET DECK. AFTER TENSIONING, ALL STRAPS WILL BE SECURED USING ONE SEAL CRIMPED WITH TWO PAIR OF NOTCHES PER SEAL.
- 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 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 TYPE TENSIONING TOOL, MANUAL OR PNEUMATIC, AND THE APPLICATION OF ONE ADDITIONAL SEAL ADDITIONAL SEAL.
- DUE TO PALLET UNIT DESIGN, A MAXIMUM OF 20 PROJECTILES MAY BE OMITTED FROM A PALLET TO SATISFY A LESS-THAN-FULL PALLET UNIT REQUIREMENT. NO FILLER ASSEMBLIES ARE REQUIRED FOR THE OMITTED PROJECTILES PROVIDED THE FOUR REMAINING ONES ARE PLACED IN THE FOUR CORNER LOCATIONS.
- FOR STORAGE OF THE ITEMS COVERED BY THIS DRAWING, REFER TO AMC DRAWING 19-48-4539/1-CB1-14PE2.

MATERIAL SPECIFICATIONS

LUMBER - - - - - -: SEE TM 743-200-1 AND FED SPEC

	MM-L-751.
::	FED SPEC FF-N-105; COMMON. ALT: ANNULAR-RING TYPE NAIL, PALLET TYPE (MECHANICALLY DEFORMED) NAIL, OR COOLER NAIL OF SAME SIZE.

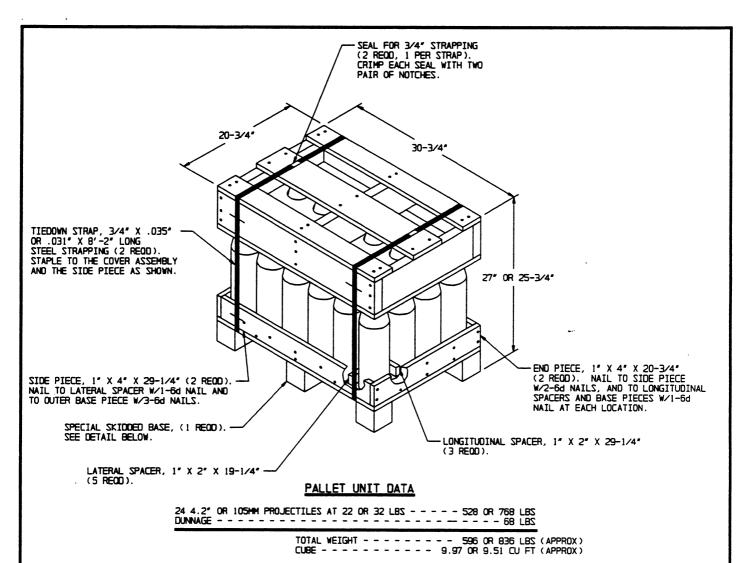
PLYWOOD ----: FED SPEC NN-P-530; GROUP B,
CONSTRUCTION AND INDUSTRIAL PLYWOOD,
INTERIOR WITH EXTERIOR GLUE, GRADE
C-D. IF SPECIFIED GRADE IS NOT AVAILABLE, A BETTER INTERIOR OR AN EXTERIOR GRADE MAY BE SUBSTITUTED.

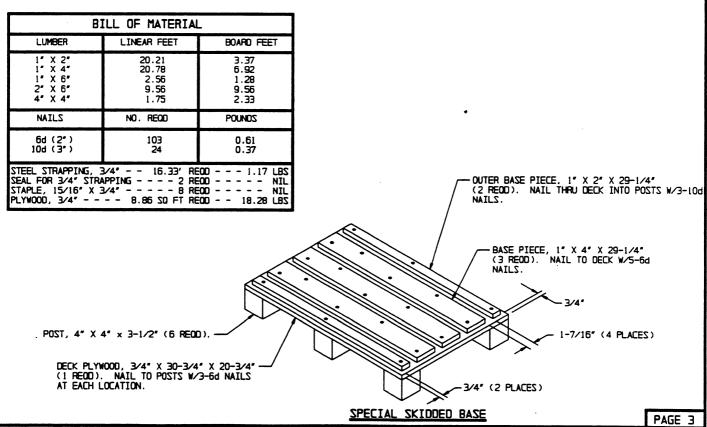
STRAPPING, STEEL - -: ASTM D 3953; FLAT STRAPPING, TYPE 1 OR 2, HEAVY DUTY, ZINC-COATED (GRADE 2), SIZE 3/4" X .035" OR .031".

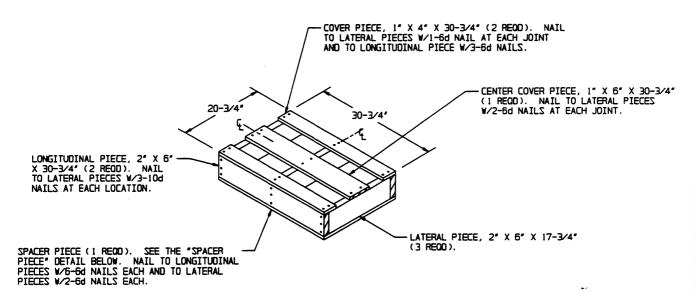
SEAL, STRAP ---: ASTM D 3953; CLASS H, FINISH B (GRADE 2), TYPE D, STYLE I, II, OR IV.

STAPLE - - - - - - : FED SPEC FF-N-105; 15/16' WIDE X 3/4' LEG LENGTH FOR 3/4' STRAPPING,

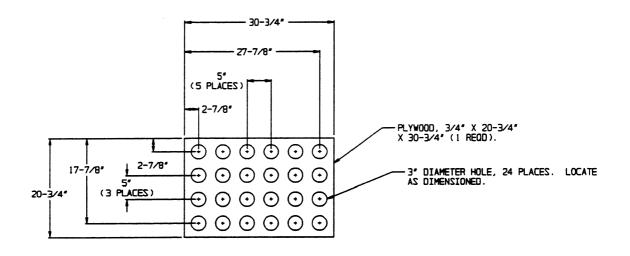
TYPE III, STYLE 3.







COVER ASSEMBLY



SPACER PIECE