

TITLE: PACKING FOR LIGHT BOXES

DEFINITION: LIGHT BOXES ARE PACKING BOXES WHICH CONTAIN A LESSER QUANTITY OR SMALLER COUNT OF THE ITEM PACKED THAN REQUIRED BY THE APPLICABLE PACKAGING DRAWING.

1. VOIDS IN LIGHT BOXES SHALL BE FILLED WITH APPROPRIATE MATERIALS SO AS TO HOLD THE CONTENTS AS SECURELY AS WOULD BE EXPECTED IN A FULL BOX. PARAGRAPHS 2 & 3 ARE EXAMPLES.

2. INTERIOR CONTAINERS WHICH ARE SELF-SUPPORTING, E.G. SPIRAL WRAPPED FIBER CONTAINERS, MAY BE USED WITHOUT FILLING. PACKING BOX FILLERS SHALL BE USED IN ACCORDANCE WITH NORMAL PACKING INSTRUCTIONS.

3. INTERIOR CONTAINERS WHICH ARE NOT CONSIDERED SELF-SUPPORTING MAY BE USED IF BRACED INTERNALLY. ALTERNATIVELY, THE EMPTY INTERIOR CONTAINERS MAY BE ELIMINATED AND DUNNAGING OR BRACING WITH WOOD, PLYWOOD, OR EQUIVALENT WATER-RESISTANT MATERIAL MAY BE USED.

4. FILLERS OR DUNNAGE MATERIALS SHALL NOT EXCEED THE MOISTURE LEVELS OR WATER RESISTANT REQUIREMENTS OF FILLER MATERIALS NORMALLY USED WITH THE ITEM BEING PACKED.

5. THE WEIGHT OF LIGHT BOXES SHALL NOT EXCEED THAT OF THE NORMAL PACKED BOX.

6. WHEN THE LIGHT EXTERIOR BOX CONTAINS 50 PERCENT OR MORE OF THE STANDARD QUANTITY, OR IF THE EXTERIOR CONTAINER IS MADE FROM A MATERIAL SUCH THAT THE SIZE OF THE CONTAINER CANNOT BE READILY MODIFIED (E.G. METAL OR PLASTIC CONTAINERS, FIBER DRUMS), THEN THE EXTERIOR CONTAINER SPECIFIED ON THE APPLICABLE PACKING DRAWING MUST BE USED AND VOIDS APPROPRIATELY FILLED PER NOTES 1 THROUGH 5 ABOVE. IF THE CONTAINER IS ALREADY MARKED WITH POP CERTIFICATION SYMBOLS OR IS BEING PACKAGED TO A VALID POP REPORT, THEN THE EXISTING MARK (SHOWING FULL CERTIFICATION WEIGHT) SHALL BE MARKED ON THE PACKAGE. THE SHIPPER/PACKER OF A LIGHT BOX IS RESPONSIBLE TO INSURE THAT POP CERTIFICATION REQUIREMENTS OF CFR 49 ARE MET PRIOR TO SHIPMENT.

7. WHEN THE LIGHT EXTERIOR BOX CONTAINS LESS THAN 50 PERCENT OF THE STANDARD QUANTITY AND THE SIZE OF THE EXTERIOR CONTAINER CAN BE MODIFIED (E.G. WOOD BOX, FIBERBOARD BOX), THEN THE SIZE OF THE EXTERIOR CONTAINER MAY BE REDUCED TO CONFORM TO THE NUMBER OF INTERIOR CONTAINERS TO BE PACKED USING THE SAME MATERIAL AS THE STANDARD EXTERIOR PACK (I.E. TYPE, GRADE, CLASS, ETC., OF APPROPRIATE SPECIFICATIONS). WHENEVER POSSIBLE, THE STANDARD EXTERIOR CONTAINER SHOULD BE UTILIZED SINCE REDUCED SIZE LIGHT BOXES CANNOT BE ADAPTED TO THE STANDARD UNITIZATION CONFIGURATION AND THE USE OF A REDUCED SIZE BOX WILL REQUIRE A NEW PERFORMANCE ORIENTED PACKAGING CERTIFICATION MARK. THE SHIPPER/PACKER OF A LIGHT BOX IS RESPONSIBLE TO INSURE THAT POP CERTIFICATION REQUIREMENTS OF CFR 49 ARE MET PRIOR TO SHIPMENT.

8. WHEN A LIGHT INTERIOR PACKAGE CONTAINS LESS THAN 50 PERCENT OF THE STANDARD QUANTITY, THE PACKAGE SPECIFIED ON THE APPLICABLE PACKAGING DRAWING MUST BE USED AND VOIDS APPROPRIATELY FILLED PER NOTES 1 THROUGH 5 ABOVE.

9. WHEN A LIGHT INTERIOR PACKAGE CONTAINS LESS THAN 50 PERCENT OF THE STANDARD QUANTITY, THE SIZE OF THE INTERIOR PACKAGE AND BARRIER BAG AS APPLICABLE MAY BE REDUCED TO CONFORM TO THE NUMBER OF UNITS PACKAGED USING THE SAME MATERIAL AS THE STANDARD PACKAGE (I.E. TYPE, CLASS, GRADE, ETC. OF THE APPROPRIATE SPECIFICATION). WHEN ITEMS ARE PACKAGED IN TRAYS, LIGHT TRAYS MAY BE USED ONLY IF THE INTEGRITY OF THE TRAY AS A UNIT CAN BE MAINTAINED. ITEMS SHALL BE DISTRIBUTED AROUND THE TRAY TO MAINTAIN ITS STRUCTURAL INTEGRITY AND TO EQUALLY DISTRIBUTE THE WEIGHT OF THE ITEMS.

10. FOR MARKINGS, SEE APPLICABLE PACKING AND MARKING DRAWING FOR THE NSN BEING PACKED. FOR LIGHT BOX MARKING REQUIREMENTS SEE DRAWING 12982865.

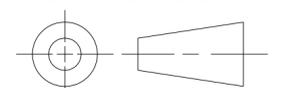
REVISIONS

MODEL REV	DRAW REV	DESCRIPTION	DATE(YEAR-MO-DA)	APPROVED
J	J	REDRAWN WITH CHANGE NOR RI1K3020 2011-08-25	2011-09-09	GJC

CURRENT DESIGN ACTIVITY CAGE CODE 19200
US ARMY
ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER
PICATINNY ARSENAL, NEW JERSEY 07806-5000

THIS DRAWING WAS GENERATED FROM A SOLID MODEL
AND IS CAD MAINTAINED. CHANGES SHALL BE
INCORPORATED BY THE DESIGN ACTIVITY.

PART NO. 9325874

PMIC			DO NOT SCALE DRAWING		CONTRACT NUMBER		DESIGN ACTIVITY	
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACTOR		US ARMY ARMAMENT COMMAND PICATINNY ARSENAL DOVER, NEW JERSEY 07081	
MECHANICAL PROPERTIES			TOLERANCE ON ANGLES ± ° 2 PLACE DECIMALS ± 3 PLACE DECIMALS ±		DRAWN BY	DATE(YEAR-MO-DA)	PACKING FOR LIGHT BOXES	
YP			THIRD ANGLE PROJECTION		G. STRAHL	1977-08-23		
TS					CHECKER	ENGINEER		
EL2			MATERIAL ENGR		M. CARIUS	S. REGISTE	SIZE C	
RA					MODELED BY			
BH			APPLICATION				DRAWING APPROVAL	
RH					NEXT ASSY		V. KHANNA	2008-06-09
			USED ON				DESIGN APPROVAL	
					APPLICATION		T. FITZGERALD	2008-06-09

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