

**NOTES:**

1. ASME Y14.5M, DOT-SP 9649 AND CFR 49 APPLY.
2. THIS DRAWING APPLIES TO PALLET UNITS OF AMMUNITION CARTRIDGES CONTAINING COMPONENTS (PENETRATORS) MADE OF DEPLETED URANIUM (DU), CLASSIFIED AS CLASS 1 WITH SUBSIDIARY HAZARD OF CLASS 7. THE PALLET UNIT IDENTIFICATION MARKINGS DEPICTED HEREIN ARE IN ADDITION TO THE REQUIREMENTS SET FORTH IN DEFENSE AMMUNITION CENTER (DAC) DRAWING ACV00561.
3. EACH PALLET UNIT CONTAINING DU ITEMS (AS LISTED IN TABLE 1 BELOW) REQUIRES AT LEAST ONE "RADIOACTIVE YELLOW II" LABEL TO BE APPLIED. THE REQUIREMENT FOR ONLY ONE LABEL PER PALLET UNIT IS AN EXCEPTION TO CFR 49 §§ 172.406(e), BUT THIS EXCEPTION IS GRANTED TO DOD WITHIN SPECIAL PERMIT DOT-SP 9649.

DODIC	MODEL	SIZE	DODIC	MODEL	SIZE
A675	MK149	20MM	B128	PGU-14	30MM
A676	MK149	20MM	C380	M829A1	120MM
A979	PGU-20	25MM	C523	M774	105MM
A983	PGU-20	25MM	C524	M833	105MM
A986	M919	25MM	C543	M900	105MM
AB20	PGU-14	30MM	C783	M827	120MM
B102	PGU-14	30MM	C786	M829	120MM
B103	PGU-14	30MM	C792	M829A2	120MM
B117	PGU-14	30MM	CA26	M829A3	120MM

4. "RADIOACTIVE YELLOW II" LABELS WILL MEET THE MATERIAL, COLOR AND CONSTRUCTION REQUIREMENTS OF CFR §§ 172.407 AND 172.438. FIGURE 1 DEPICTS A TYPICAL "RADIOACTIVE YELLOW II" LABEL. EACH "RADIOACTIVE YELLOW II" LABEL SHALL INCLUDE THE FOLLOWING APPLICABLE INFORMATION ENTERED IN THE CORRESPONDING SPACES FOR FULL OR LIGHT PALLET LOADS. BECQUEREL MAY BE ABBREVIATED "Bq".

- A. CONTENTS: U(dep)
- B. ACTIVITY: 4.2E +9 Becquerel
- C. TRANSPORT INDEX: 0.7

CAUTION: THIS DATA IS ONLY VALID FOR PALLET UNITS CONTAINING ONE TYPE OF MUNITION AND IS NOT APPROPRIATE FOR MIXED-ITEM PALLET UNITS OR INDIVIDUAL AMMUNITION CONTAINERS. WHEN SHIPPING A SINGLE AMMUNITION CONTAINER, TWO RADIOACTIVE LABELS FOR EACH PACKAGED ITEM ARE REQUIRED IAW CFR 49. REFER TO THE APPLICABLE PACKING AND MARKING DRAWING FOR THE NSN FOR FURTHER GUIDANCE ON INDIVIDUAL CONTAINER SHIPMENTS.

5. THE "RADIOACTIVE YELLOW II" LABEL MUST BE AFFIXED TO THE PALLET UNIT ON THE SAME SIDE AND NEAR THE PROPER SHIPPING NAME. THE LABEL MUST BE CLEARLY VISIBLE AND MUST NOT OBSCURE ANY OTHER MARKINGS.
6. **WARNING:** THE PROVISIONS OUTLINED IN THIS DRAWING SHOULD NOT BE UNDERTAKEN WITHOUT FIRST VERIFYING THE ACCURACY OF THE REQUIREMENTS BY REFERRING TO THE CURRENT VERSIONS OF BOTH DOT-SP 9649 AND CFR 49.

**DISTRIBUTION STATEMENT A.**  
**APPROVED FOR PUBLIC RELEASE;**  
**DISTRIBUTION IS UNLIMITED.**

REVISION			APPROVED		
LTR.	DESCRIPTION	ENG.	BY	DATE	
-	PRODUCTION BASELINE (ERR R10K3001)	QT	LF	10-02-01	

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

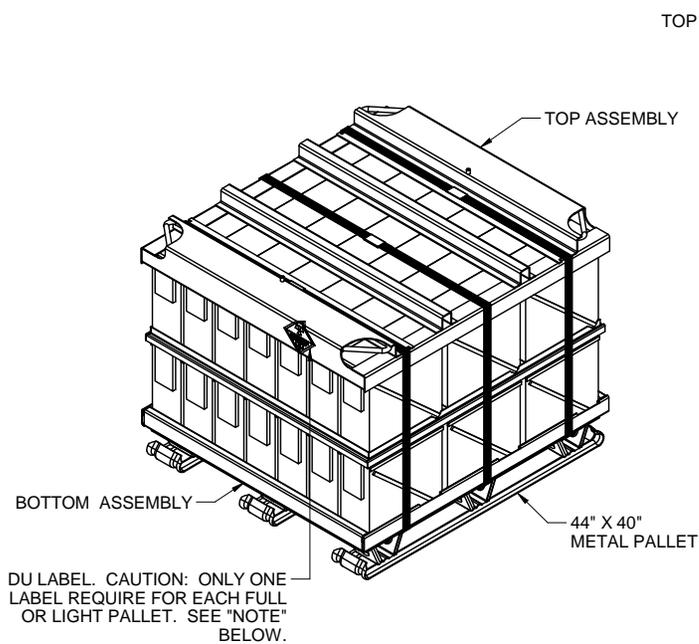


**FIGURE 1**  
**DEPLETED URANIUM (DU) LABEL.**

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES		DATE: 10-02-01	DESIGN ACTIVITY
<input type="checkbox"/> DECIMALS <input checked="" type="checkbox"/> FRACTIONS 1/16 <input type="checkbox"/> 1/32 <input type="checkbox"/> 1/64 <input type="checkbox"/> 1/128 <input type="checkbox"/> 1/256 <input type="checkbox"/> 1/512 <input type="checkbox"/> 1/1024 <input type="checkbox"/> 1/2048 <input type="checkbox"/> 1/4096 <input type="checkbox"/> 1/8192 <input type="checkbox"/> 1/16384 <input type="checkbox"/> 1/32768 <input type="checkbox"/> 1/65536 <input type="checkbox"/> 1/131072 <input type="checkbox"/> 1/262144 <input type="checkbox"/> 1/524288 <input type="checkbox"/> 1/1048576 <input type="checkbox"/> 1/2097152 <input type="checkbox"/> 1/4194304 <input type="checkbox"/> 1/8388608 <input type="checkbox"/> 1/16777216 <input type="checkbox"/> 1/33554432 <input type="checkbox"/> 1/67108864 <input type="checkbox"/> 1/134217728 <input type="checkbox"/> 1/268435456 <input type="checkbox"/> 1/536870912 <input type="checkbox"/> 1/1073741824 <input type="checkbox"/> 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1/36028797018963968 <input type="checkbox"/> 1/72057594037927936 <input type="checkbox"/> 1/144115188075855872 <input type="checkbox"/> 1/288230376151711744 <input type="checkbox"/> 1/576460752303423488 <input type="checkbox"/> 1/1152921504606846976 <input type="checkbox"/> 1/2305843009213693952 <input type="checkbox"/> 1/4611686018427387904 <input type="checkbox"/> 1/9223372036854775808 <input type="checkbox"/> 1/18446744073709551616 <input type="checkbox"/> 1/36893488147419103232 <input type="checkbox"/> 1/73786976294838206464 <input type="checkbox"/> 1/147573952589676412928 <input type="checkbox"/> 1/295147905179352825856 <input type="checkbox"/> 1/590295810358705651712 <input type="checkbox"/> 1/1180591620717411303424 <input type="checkbox"/> 1/2361183241434822606848 <input type="checkbox"/> 1/4722366482869645213696 <input type="checkbox"/> 1/9444732965739290427392 <input type="checkbox"/> 1/18889465931478580854784 <input type="checkbox"/> 1/37778931862957161709568 <input type="checkbox"/> 1/75557863725914323419136 <input type="checkbox"/> 1/151115727451828646838272 <input type="checkbox"/> 1/302231454903657293676544 <input type="checkbox"/> 1/604462909807314587353088 <input type="checkbox"/> 1/1208925819614629174706176 <input type="checkbox"/> 1/2417851639229258349412352 <input type="checkbox"/> 1/4835703278458516698824704 <input type="checkbox"/> 1/9671406556917033397649408 <input type="checkbox"/> 1/19342813113834066795298816 <input type="checkbox"/> 1/38685626227668133590597632 <input type="checkbox"/> 1/77371252455336267181195264 <input type="checkbox"/> 1/154742504910672534362390528 <input type="checkbox"/> 1/309485009821345068724781056 <input type="checkbox"/> 1/618970019642690137449562112 <input type="checkbox"/> 1/1237940039285380274899244224 <input type="checkbox"/> 1/2475880078570760549798488448 <input type="checkbox"/> 1/4951760157141521099596968896 <input type="checkbox"/> 1/9903520314283042199193937792 <input type="checkbox"/> 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REVISION			APPROVED		
LTR.	DESCRIPTION	ENG.	BY	DATE	
-	PRODUCTION BASELINE (ERR R10K3001)	QT	LF	10-02-01	

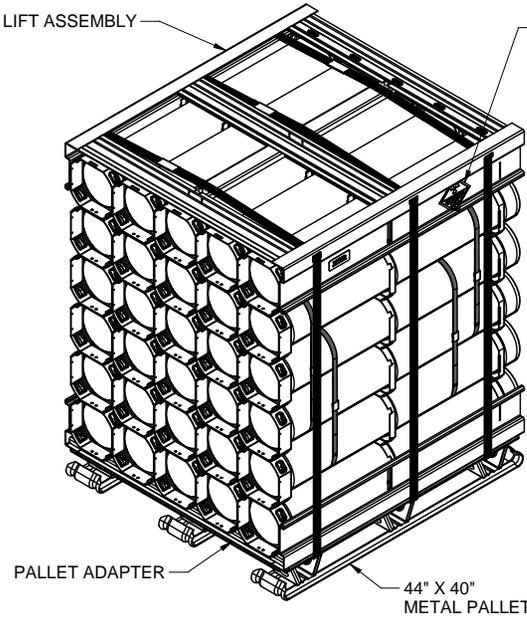
CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



DU LABEL. CAUTION: ONLY ONE LABEL REQUIRE FOR EACH FULL OR LIGHT PALLET. SEE "NOTE" BELOW.

**FIGURE 2**

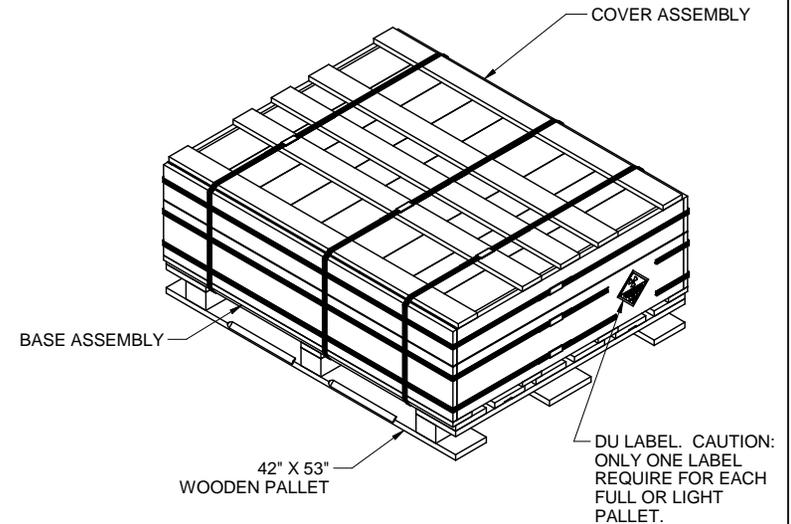
CARTRIDGE, 25MM, PACKED 30 PER PA125 METAL BOX. SEE AMC 19-48-4232/17. NOTE: THE PLACEMENT OF THE DU LABEL IN FIGURE 2 ABOVE IS AN EXCEPTION TO THE GENERAL REQUIREMENTS OF CFR 49, HOWEVER, THE EXCEPTION IS NECESSARY FOR THIS PARTICULAR PALLET UNIT CONFIGURATION. THIS DEVIATION IS AUTHORIZED WITHIN CFR 49 §§ 172.406(a)(ii).



DU LABEL. CAUTION: ONLY ONE LABEL REQUIRE FOREACH FULL OR LIGHT PALLET.

**FIGURE 3**

CARTRIDGE, 120MM, PACKED 1 PER PA116 OR PA171 CYLINDRICAL METAL CONTAINER. SEE AMC 19-48-4231/48.



DU LABEL. CAUTION: ONLY ONE LABEL REQUIRE FOR EACH FULL OR LIGHT PALLET.

**FIGURE 4**

CARTRIDGE, 25MM, PACKED 30 PER M621 CONTAINER. SEE AMC 19-48-4116/17.

DISTRIBUTION STATEMENT A.

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DISTRIBUTION IS UNLIMITED.

DATE: 10-02-01			DESIGN ACTIVITY		
OFFSRN	CHECKER	PROJL ENGR	U.S. ARMY JOINT MUNITIONS COMMAND DEFENSE AMMUNITION CENTER (DAC) MCALISTER, OKLAHOMA 74501-9053		
TRAN			<b>RADIOACTIVE YELLOW-II LABEL PLACEMENT</b>		
UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES					
TOLERANCES					
XX	XXX	✓	FRACTIONS	1/32	✓
±.01	±.005	±0/15	±1/84		
REMOVE ALL BURRS AND SHARP EDGES AND FILE OR CHAMFER SAYS					
MATERIAL	SIZE	CAGE	DRAWING NO.	REV.	
	D	28620	ACV00832	-	
SCALE	NONE	UNIT WT	SHEET	2 OF 2	