



DEPARTMENT OF DEFENSE EXPLOSIVES SAFETY BOARD

4800 MARK CENTER DRIVE, SUITE 16E12
ALEXANDRIA VIRGINIA, 22350

AUG 24 2018

DDESB-PD

MEMORANDUM FOR HEADQUARTERS AIR FORCE SAFETY CENTER
(ATTENTION: SEW)

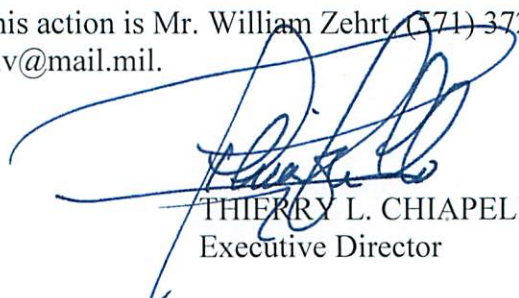
SUBJECT: Approval of 7-Bar Structural Strength Designation for Standard Series 421-80-13 Modular Storage Magazine

- References:
- (a) HQ AFSEC/SEWC Memorandum for DDESB-PD, SUBJECT: Request DDESB Design Approval for Modular Storage Magazine (MSM), Box-Type, European Version, Standard 421-80-13, with Sliding Door, dated 07 June 2018, with enclosures
 - (b) Modular Storage Magazine, Box-Type, European Version, Std 421-80-13 with Sliding Door; U S Army Corps of Engineers Huntsville Center; August 2018 (25 drawing sheets)
 - (c) DoD 6055.09-M, "DoD Ammunition and Explosives Safety Standards," date varies by volume
 - (d) DDESB Technical Paper 15, "Approved Protective Construction," Revision 3, May 2010

As requested by reference (a), we have reviewed the reference (b) drawings for compliance with Department of Defense explosives safety criteria, as provided in reference (c). Based on our evaluation, the reference (b) design is approved as a 7-bar earth-covered magazine and, in accordance with reference (c), may be sited as an exposed site from potential explosion sites storing up to 500,000-lbs Hazard Division 1.1 explosives.

The reference (b) design will be added to Table AP 1-1 of reference (d) as approved for new construction.

The point of contact for this action is Mr. William Zehrt (571) 372-6778, DSN 372-6778, e-mail: william.h.zehrt2.civ@mail.mil.



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