



DEPARTMENT OF DEFENSE EXPLOSIVES SAFETY BOARD

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ALEXANDRIA VIRGINIA, 22350

DDESB-PD

JUL 19 2017

MEMORANDUM FOR COMMANDING OFFICER, NAVAL ORDNANCE SAFETY AND SECURITY ACTIVITY (ATTN: CODE N54)

SUBJECT: Approval of 7-Bar Structural Strength Designation for Navy Type D Earth Covered Box Magazines constructed to Naval Facilities Engineering Command Drawing Numbers 18232899 through 18232936, revision 1 (without loading platform) and to Naval Facilities Engineering Command Drawing Numbers 18232939 through 18232978, revision 1 (with loading platform)

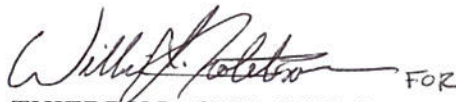
- References:
- (a) Memorandum from Commanding Officer, Naval Ordnance Safety and Security Activity, Subject: REQUEST FOR EXPEDITED REVIEW AND APPROVAL OF REVISED STANDARD TYPE D EARTH-COVERED MAGAZINE AS A 7-BAR EARTH-COVERED MAGAZINE [CRITERIA/WEBSAR 4216/WI-133], dated 01 Jun 17
  - (b) NAVFAC Drawing Numbers 18232899 through 18232936, Type D Box Magazine without Loading Platform, revision 1, dated April 2017 and signed 10 May 2017
  - (c) NAVFAC Drawing Numbers 18232939 through 1823978, Type D Box Magazine with Loading Platform, revision 1, dated April 2017 and signed 10 May 2017
  - (d) DoD 6055.09-M, "DoD Ammunition and Explosives Safety Standards," date varies by volume
  - (e) Memorandum from Department of Defense Explosives Safety Board to Commanding Officer, Naval Ordnance Safety and Security Activity, Subject: Approval of 7-Bar Structural Strength Designation for Navy Standard Type D Earth-Covered Box Magazine constructed to Naval Facilities Engineering Command Drawing Numbers: 14021368-14021404 (Without Platform) and 14021406 through 14021444 (With Platform), dated 13 Mar 2013.
  - (f) DDESB Technical Paper 15, "Approved Protective Construction," Revision 3, May 2010

As requested by reference (a), we have reviewed the reference (b) and reference (c) drawings for compliance with Department of Defense explosives safety criteria, as provided in reference (d). Based on our evaluation, the reference (b) and reference (c) designs are approved as 7-bar

earth-covered magazines and, in accordance with reference (d), may be sited as exposed sites from potential explosion sites storing up to 500,000-lbs Hazard Division 1.1 explosives.

The reference (b) and reference (c) designs supersede the designs of reference (e) and will be added to Table AP 1-1 of reference (f) 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](mailto:william.h.zehrt2.civ@mail.mil).

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