



**US Army Corps
of Engineers®**

ENGINEERING AND CONSTRUCTION BULLETIN

No. 2012-11 Issuing Office: CECW-CE/CESO **Issued:** 11 Apr 2012 **Expires:** 11 Apr 2014

Subject: Department of Defense Explosives Safety Board (DDESB) Approval of Modular Storage Magazine (MSM), U.S. Army Corps of Engineers Standard Drawing Series 421-80-07

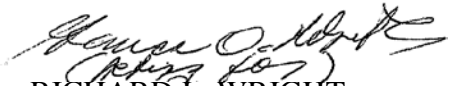
Applicability: Guidance

1. Purpose: This bulletin announces the availability of the new 7-bar structural designation MSM approved by DDESB for new construction. The 421-80-07 MSM supersedes the MSM, Box Type, Standard 421-80-06 (Modified) design. The 421-80-07 MSM is a pre-cast reinforced box type structure and qualifies to be sited as an earth covered magazine (ECM) per the guidance in DoD 6055.09-M, DoD Ammunitions and Explosives Safety Standards. The approval documentation will be included in DDESB Technical Paper 15, Approved Protective Construction. The magazine drawings will soon be posted for download on the Whole Building Design Guide (WBDG) website for Ammunition and Explosives Storage Magazines: http://www.wbdg.org/design/ammo_magazines.php. In the interim, request for the drawings should be sent to Mr. Jeff Coulston at jeff.coulston@usace.army.mil.
2. Background: The DDESB requested a new series MSM be developed to incorporate several lessons learned provided from various sources who had constructed the MSM, Box Type, 421-80-06 (Modified). The development of the new 421-80-07 MSM was coordinated with the DDESB, Army, Navy and Air Force Safety Centers.
3. Applicability: This MSM provides another DDESB approved protective construction alternative for storage of ammunition and explosives. This ECM is approved for new construction of Ammunition Supply Points and other Munitions Supply Areas. Although a transition period is recognized, it is recommended, as possible, that the 421-80-07 MSM be utilized for projects that currently include the construction of the 421-80-06 (Modified). The new series updates the drawings to meet current AEC CAD standards, improved plan readability, constructability, and correct omissions within the construction drawings.
4. Distribution: The 421-80-07 MSM drawings are approved for public release and distribution is unlimited.

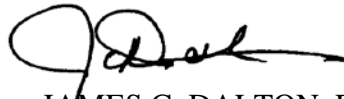
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5. POC: The HQUSACE POCs for this bulletin is Mr. Peter Rossbach, CECW-CE, 202-761-4352, and Mrs. Blanca O. Roberts, CESO, 202-761-8668, and the technical POC is Mr. Jeff Coulston, CEHNC-ED-CS-S, 256-895-1651.



RICHARD L. WRIGHT
Chief, Safety and Occupational
Health Office



JAMES C. DALTON, P.E., SES
Chief, Engineering and Construction Division
Directorate of Civil Works