

Storage Igloo. FAC: 4221

CATCODE: 422264

OPR: AF/A4LW

OCR: AFSC/SEW

1.1. Description. Igloo magazines are used to store all types of explosives and are preferred for mass detonating explosives where moisture condensation is not a problem.

1.1.1. The Munitions Storage Module (MSM), also known as the Hayman Igloo, is a pre-engineered, reinforced concrete panel. Vertical walls and a flat roof maximize storage space. A 7.9 m (26 ft) wide door adds efficiency to warehousing operations. Variable length, in increments of 6 m (20 ft up to 80 ft), provide flexibility to meet requirements. The design has been approved by The Department of Defense Explosives Safety Board (DDESB) for siting as a standard igloo maximum NEW of 500,000 pounds.

1.2. Requirements Determination. See CG-42 Ammo Storage Overview paragraph 1.1, 1.2, 1.3, and 1.4 for general guidance.

1.3. Scope Determination. See CG-42 Ammo Storage Overview paragraph 1.1, 1.2, 1.3, and 1.4 for general guidance

1.4. Dimensions. See CG-42 Ammo Storage Overview paragraph 1.1, 1.2, 1.3, and 1.4 for general guidance.

1.5. Design Considerations. Design drawings are available from USACE. Additional guidance is available online at http://www.wbdg.org/design/ammo_magazines.php.