

WAC 296-52-70025 Construction for Type 2 magazines. (1) Exterior, doors, and top openings.

(a) The exterior and doors must be constructed of at least 1/4-inch steel and lined with a minimum of three-inch hardwood.

(b) Magazines with top openings must have lids with water resistant seals or lids that overlap the sides by a minimum of one inch when closed.

(2) **Hinges and hasps.** Hinges and hasps must be installed so they cannot be removed when the doors are closed and locked by:

(a) Welding;

(b) Riveting; or

(c) Bolting nuts on the inside of the door.

(3) **Locks.**

(a) Each door must be equipped with:

(i) Two mortise locks;

(ii) Two padlocks fastened in separate hasps and staples;

(iii) A combination of mortise lock and a padlock;

(iv) A mortise lock that requires two keys to open; or

(v) A three-point lock.

(b) Padlocks must have:

(i) A minimum of five tumblers and a case hardened shackle with a minimum of 3/8-inch diameter;

(ii) A minimum of 1/4-inch steel hoods constructed to prevent sawing or lever action on the locks, hasps, and staples.

Note: These requirements do not apply to magazine doors that are adequately secured on the inside by means of a bolt, lock, or bar that cannot be operated from the outside.

(4) **Ventilation.**

(a) A two-inch air space must be left around ceilings and the perimeter of floors, except at doorways;

(b) Foundation ventilators must be at least four inches by six inches;

(c) Vents in the foundation, roof, or gables must be screened and offset.

(5) **Exposed metal.**

(a) Sparking metal cannot be exposed below the top of walls in the storage facilities;

(b) All nails must be blind nailed, countersunk, or nonsparking.

Note: The following are nonmandatory construction alternatives for magazine exteriors:

1. All steel and wood dimensions shown are actual thickness;

2. The manufacturer's represented thickness may be used to meet the concrete block and brick dimensions.

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(c) 3/16-inch steel lined with an interior of 4-inch hardwood.

(d) 3/16-inch steel lined with:

(i) An interior of 7 inches of softwood; or

(ii) 6 3/4 inches of plywood.

(e) 3/16-inch steel lined with:

(i) An intermediate layer of 3-inch hardwood; and

(ii) An interior lining of 3/4-inch plywood.

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(f) 1/8-inch steel lined with an interior of 5-inch hardwood.

(g) 1/8-inch steel lined with an interior of 9-inch softwood.

(h) 1/8-inch steel lined with:

(i) An intermediate layer of 4-inch hardwood; and

(ii) An interior lining of 3/4-inch plywood.

(i) Reserved.

- (j) 1/8-inch steel lined with:
 - (i) A first intermediate layer of 3/4-inch plywood;
 - (ii) A second intermediate layer of 3 5/8 inches well-tamped dry sand; or
 - (iii) Sand/cement mixture.
- (6) An interior lining of 3/4-inch plywood.
 - (a) 5/8-inch steel lined with an interior of any type of non-sparking material.
 - (b) 1/2-inch steel lined with an interior of at least 3/8-inch plywood.
 - (c) 3/8-inch steel lined with an interior of 2-inch hardwood.
 - (d) 3/8-inch steel lined with an interior of:
 - (i) 3 inches softwood; or
 - (ii) 2 1/4 inches of plywood.
 - (e) 1/4-inch steel lined with:
 - (i) An interior of 5 inches of softwood; or
 - (ii) 5 1/4 inches of plywood.
 - (f) Any type of structurally sound fire resistant material lined with:
 - (i) An intermediate layer of 4-inch solid concrete block; or
 - (ii) 4-inch solid brick or concrete; and
 - (iii) An interior lining of 1/2-inch plywood placed securely against the masonry lining.
 - (g) Standard 8-inch concrete block with voids filled with well tamped sand/cement mixture.
 - (h) Standard 8-inch solid brick.
 - (i) Reserved.
 - (j) Any type of structurally sound fire resistant material lined with an intermediate 6-inch space filled with:
 - (i) Well tamped dry sand; or
 - (ii) Well tamped sand/cement mixture.
 - (k) Any type of fire resistant material lined with:
 - (i) A first intermediate layer of 3/4-inch plywood;
 - (ii) A second intermediate layer of 3 5/8-inch well tamped dry sand; or
 - (iii) Sand/cement mixture;
 - (iv) A third intermediate layer of 3/4-inch plywood;
 - (v) A fourth intermediate layer of 2-inch hardwood; or
 - (vi) 14 gauge steel and an interior lining of 3/4-inch plywood;
 - (vii) 8-inch thick solid concrete.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and 49.17.060. WSR 17-16-132, § 296-52-70025, filed 8/1/17, effective 9/1/17; WSR 05-08-110, § 296-52-70025, filed 4/5/05, effective 6/1/05. Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. WSR 02-03-125, § 296-52-70025, filed 1/23/02, effective 3/1/02.]