

sound, lined with an intermediate six-inch space filled with well-tamped dry sand or well-tamped sand/cement mixture.

(17) Exterior of 1/8-inch steel, lined with a first intermediate layer of 3/4-inch plywood, a second intermediate layer of 3 5/8 inches well-tamped dry sand or sand/cement mixture and an interior lining of 3/4-inch plywood;

(18) Exterior of any type of fire-resistant material, lined with a first intermediate layer of 3/4-inch plywood, a second intermediate layer of 3 5/8 inches well-tamped dry sand or sand/cement mixture, a third intermediate layer of 3/4-inch plywood, and a fourth intermediate layer of two inches of hardwood or 14-gauge steel and an interior lining of 3/4-inch plywood; or

(19) Eight-inch thick solid concrete.

Par. 19. Section 55.208 is amended by revising paragraph (a)(2); by removing “3/8-inch” in paragraph (a)(4)(v) and adding in its place “1/2-inch”; by removing the number “50” wherever it appears in paragraph (b)(1) and adding in its place the number “60;” by removing the word “Exterior” in the title heading of paragraph (b)(2); by adding a new paragraph (b)(2)(iii); by removing “3/8-inch” wherever it appears in paragraph (b)(4)(v) and adding in its place “1/2-inch”; by revising paragraph (c); and by adding new paragraph (d) to read as follows:

§ 55.208 Construction of type 2 magazines.

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(a) * * *

(2) *Construction.* (i) Outdoor magazines, including doors, are to be constructed of not less than 1/4-inch steel and, effective January 29, 2004, lined with at least three inches of hardwood, or otherwise be constructed in accordance with the bullet-resistant construction criteria specified in § 55.207(c). Magazines with top openings will have lids with water-resistant seals or that overlap the sides by at least one inch when in a closed position.

(ii) No sparking material is to be exposed to contact with the stored explosive materials. All ferrous metal nails in the floor and sidewalls that might be exposed to contact with explosive materials must be blind nailed, counter-sunk, or covered with a nonsparking lattice work or other nonsparking material.

* * * * *

(b) * * *

(2) * * *

(iii) No sparking material is to be exposed to contact with the stored explosive materials. All ferrous metal

nails in the floor and sidewalls that might be exposed to contact with explosive materials must be blind nailed, counter-sunk, or covered with a nonsparking lattice work or other nonsparking material.

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(c) *Detonator boxes.* Magazines for detonators in quantities of 100 or less must be stored indoors and are to have sides, bottoms, and doors constructed of not less than number 12-gauge (.1046 inches) metal and lined with a nonsparking material. No sparking material is to be exposed to contact with the stored explosive materials. All ferrous metal nails in the floor and side walls that might be exposed to contact with explosive materials must be blind nailed, counter-sunk, or covered with a nonsparking lattice work or other nonsparking material. Hinges and hasps must be attached so they cannot be removed from the outside. One steel padlock (which need not be protected by a steel hood) having at least five tumblers and a case-hardened shackle of at least 1/2-inch diameter is sufficient for locking purposes.

(d) *Alternate construction standards for storage facilities with respect to bullet resistance.* Storage facilities (magazines) that are constructed according to any of the following minimum specifications are bullet resistant. (All steel and wood dimensions indicated are actual thicknesses. To meet the concrete block and brick dimensions indicated, the manufacturer's represented thicknesses may be used.)

(1) Exterior of 5/8-inch steel, lined with an interior of any type of nonsparking material;

(2) Exterior of 1/2-inch steel, lined with an interior of not less than 3/8-inch plywood;

(3) Exterior of 3/8-inch steel, lined with an interior of two inches of hardwood;

(4) Exterior of 3/8-inch steel, lined with an interior of three inches of softwood or 2 1/4 inches of plywood;

(5) Exterior of 1/4-inch steel, lined with an interior of five inches of softwood or 5 1/4 inches of plywood;

(6) Exterior of 1/4-inch steel, lined with an intermediate layer of two inches of hardwood and an interior lining of 1 1/2 inches of plywood;

(7) Exterior of 3/16-inch steel, lined with an interior of four inches of hardwood;

(8) Exterior of 3/16-inch steel, lined with an interior of seven inches of softwood or 6 3/4 inches plywood;

(9) Exterior of 3/16-inch steel, lined with an intermediate layer of three

inches of hardwood and an interior lining of 3/4-inch plywood;

(10) Exterior of 1/8-inch steel, lined with an interior of five inches of hardwood;

(11) Exterior of 1/8-inch steel, lined with an interior of nine inches of softwood;

(12) Exterior of 1/8-inch steel, lined with an intermediate layer of four inches of hardwood and an interior lining of 3/4-inch plywood;

(13) Exterior of any type of fire-resistant material that is structurally sound, lined with an intermediate layer of four inches solid concrete block or four inches solid brick or four inches of solid concrete, and an interior lining of 1/2-inch plywood placed securely against the masonry lining;

(14) Standard eight-inch concrete block with voids filled with well-tamped sand/cement mixture;

(15) Standard eight-inch solid brick;

(16) Exterior of any type of fire-resistant material that is structurally sound, lined with an intermediate six-inch space filled with well-tamped dry sand or well-tamped sand/cement mixture.

(17) Exterior of 1/8-inch steel, lined with a first intermediate layer of 3/4-inch plywood, a second intermediate layer of 3 5/8 inches well-tamped dry sand or sand/cement mixture and an interior lining of 3/4-inch plywood;

(18) Exterior of any type of fire-resistant material, lined with a first intermediate layer of 3/4-inch plywood, a second intermediate layer of 3 5/8 inches well-tamped dry sand or sand/cement mixture, a third intermediate layer of 3/4-inch plywood, and a fourth intermediate layer of two inches of hardwood or 14-gauge steel and an interior lining of 3/4-inch plywood; or

(19) Eight-inch thick solid concrete.

Par. 20. Section 55.209 is amended by adding two new sentences after the third sentence and by removing “3/8-inch” and adding in its place “1/2-inch” to read as follows:

§ 55.209 Construction of type 3 magazines.

* * * No sparking material is to be exposed to contact with the stored explosive materials. All ferrous metal nails in the floor and sidewalls that might be exposed to contact with explosive materials must be blind nailed, counter-sunk, or covered with a nonsparking lattice work or other nonsparking material. * * *

Par. 21. Section 55.210 is amended by revising paragraph (a)(1); by adding two new sentences after the first sentence in paragraph (a)(2); by removing “3/8 inch” in paragraph (a)(4)(v) and adding in its