

## Explosive Magazine Inspection Checklist

	Item	Reference
	<b>Placards and Labels</b>	
_____	Magazine placarded in accordance with NFPA 495	71-8302-4(D)6
_____	Magazine permit shall be visible from the outside of magazine	71-8302-4(D)4
_____	Normal access roads to explosive storage magazines posted with weather resistant signs that are reflective with the warning: DANGER - NEVER FIGHT EXPLOSIVES FIRES. EXPLOSIVES ARE STORED ON THIS SIGHT CALL	NFPA 495 4.1.9.2
_____	Safety rules covering operations of magazines posted on inside door of magazine	NFPA 495 9.7.4
	<b>Outside of Magazine</b>	
_____	Ground graded so that water drains away from magazine	NFPA 495 9.5.2
_____	Area around magazine within 25 ft. shall be kept clear of all brush, leaves, dried grass, and similar materials	NFPA 495 9.8.2
_____	Combustible materials not stored within 50 ft. of magazine	NFPA 495 9.8.3
_____	No smoking, firearms, or spark producing devices inside or within 50 ft. of magazine	NFPA 495 9.8.1
	<b>Indoor Magazines</b>	
_____	Indoor magazines used for storage of < 50 lbs. Of explosive shall be fire and theft resistant when used in wholesale or retail establishments or in warehouses	NFPA 495 9.3.2
_____	Indoor magazines located on a floor that has an entrance at or a ramp to grade level	NFPA 495 9.4.4.1
_____	Indoor magazines shall be located within 10 ft. of an entrance door	NFPA 495 9.4.4.2
_____	A maximum of 2 indoor magazines per building with a minimum of 10 ft. between each magazine provided one magazine is for storage of not more than 5000 detonators	NFPA 495 9.4.5.1 /9.4.5.2
	<b>Electrical and Lighting</b>	
_____	Electrical wiring shall be in rigid metal conduit	NFPA 495 9.5.6.2
_____	Electrical wiring leading to the magazine shall be in rigid metal conduit and all wires leading to the magazine shall be installed underground	NFPA 495 9.5.6.2 (3)(4)
_____	All wires leading to the magazine shall be installed underground	NFPA 495 9.5.6.2 (4)
_____	Lights and conduit shall be protected with covers or guards	NFPA 495 9.5.6.2 (5)
	<b>Misc. Safety and Storage</b>	
_____	Local fire department shall be notified of location of magazine(s)	NFPA 495 4.1.2.1
_____	Fire department notified of location, type magazine, storage capacity, where explosives are stored. Verbally by the end of the day, in writing within 48 hours	NFPA 495 4.1.2.2
_____	Blasters license is valid and has on person	23-36-50

_____	Storage neat and orderly, allows for easy counting and inventory check	NFPA 495 9.7.7
_____	Inventories rotated properly so that oldest product is used first	NFPA 495 9.7.5
_____	Tools used for opening containers of explosive materials shall be non- sparking	NFPA 495 9.7.11
_____	Magazine floors swept and kept clean	NFPA 495 9.7.16.1
_____	Blasting misfires kept in a separate storage magazine	NFPA 495 9.8.4.1
	<b>Outdoor Magazines</b>	
_____	Outdoor magazines shall comply with Table of Distances in Table 9.4.1	NFPA 495 T 9.4.1
_____	Ammonium Nitrate storage shall be stored in accordance with Table 9.4.2	NFPA 495 T 9.4.2
	<b>Magazine Construction Requirements</b>	
	<b>Type 1 Magazines</b>	
_____	Permanent structure, bullet resistant, theft resistant, fire resistant, and weather resistant	NFPA 495 9.6.1
_____	Foundation made of masonry, wood, or metal and shall be enclosed completely	NFPA 495 9.6.1 (4)
_____	Wood foundations shall be enclosed by metal of not less than 26 gauge in thickness on the exterior	NFPA 495 9.6.1 (5)
_____	Floor constructed of wood or other suitable materials, must be non sparking	NFPA 495 9.6.1 (7)
_____	Magazine properly Ventilated	NFPA 495 9.6.1 (9)
_____	Vent openings screened to prevent sparks from entering into the magazine	NFPA 495 9.6.1 (10)
_____	Each magazine door equipped with one of the following lock systems:	NFPA 495 9.6.1 (14)
	a. Two mortise locks	
	b. Two padlocks in separate hasps and staples	
	c. A mortise lock and a padlock	
	d. A mortise lock that requires two keys to open	
	e. A three point lock or an equivalent lock that secures the door to the frame at more than one point	
_____	Padlocks shall be steel, have at least 5 tumblers, and at least a 3/8 inch case hardened shackle	NFPA 495 9.6.1.1
	<b>Type 2 Magazines</b>	
_____	Portable or mobile structure that is fire resistant, theft resistant, weather resistant and ventilated	NFPA 495 9.6.2
_____	Walls and doors shall be bullet resistant	NFPA 495 9.6.2.1
_____	Roof made of any material that is fire resistant or made fire resistant	NFPA 495 9.6.2.2.1
_____	Floors constructed of metal covered with non sparking surface	NFPA 495 9.6.2.2.3
_____	Top opening magazine shall have a lid that overlaps the sides by at least 1 inch when in the closed position	NFPA 495 9.6.2.2.4
_____	Magazine supported so that floor does not contact the ground	NFPA 495 9.6.2.2.5
_____	Magazines of less than 1 cubic yd. securely fastened to a fixed object	NFPA 495 9.6.2.2.6
_____	Each magazine door equipped with one of the following lock systems:	NFPA 495 9.6.2.2.7

	a. Two mortise locks	
	b. Two padlocks in separate hasps and staples	
	c. A mortise lock and padlock	
	d. A mortise lock that requires two keys to open	
	e. A three point lock or an equivalent lock that secures the door to the frame at more than one point	
_____	Padlocks on vehicular magazines are not required to be protected by steel hoods	NFPA 495 9.6.2.2.8
_____	Unattended vehicular magazines shall have wheels removed, kingpins locked, or otherwise be effectively immobilized	NFPA 495 9.6.2.2.9
	<b>Type 3 Magazines</b>	
_____	Fire resistant, theft resistant, and weather resistant	NFPA 495 9.6.3.1
_____	Doors shall overlap sides by at least one inch	NFPA 495 9.6.3.3
_____	Hinges and hasps shall be attached by welding, riveting or bolting (nuts on inside)	NFPA 495 9.6.3.4
_____	Locked with at least one steel 5 tumbler padlock with at least a 3/8 inch case hardened Shackle (hood not required)	NFPA 495 9.6.3.2
_____	Not less than 12 gauge steel lined with 1/2 inch plywood or masonite hardboard	NFPA 495 9.6.3.5
_____	Shall be within line of site of blaster at all times	NFPA 495 9.6.3.6

	<b>Type 4 Magazine</b>	
_____	Constructed of masonry and wood covered with sheet metal or fabricated metal	NFPA 495 9.6.4.1.1
_____	Doors made of metal or wood covered metal	NFPA 495 9.6.4.1.2
_____	Foundation of masonry, wood, or metal and completely enclosed	NFPA 495 9.6.1 (4)
_____	Ventilated to prevent dampness or heating of explosive materials, Ventilation opening covered with screens to prevent sparks from entering into the magazine	NFPA 495 9.6.1 (6)
_____	Each magazine door equipped with one of the following lock systems:	NFPA 495 9.6.1 (14)
	a. Two mortise locks	
	b. Two padlocks in separate hasps and staples	
	c. A mortise lock and a padlock	
	d. A mortise lock that requires two keys to open	
	e. A three point lock or an equivalent lock that secures the door to the frame at more than one point	
_____	Padlocks shall have at least 5 tumblers with at least a 3/8 inch case hardened steel shackle	NFPA 495 9.6.2.3.3
	<b>Type 5 Magazine</b>	
_____	Weather resistant	NFPA 495 9.6.5.2.1
_____	Doors locked with at least one steel 5 tumbler padlock with at least 3/8 inch case hardened shackle (hood not required)	NFPA 495 9.6.5.2.1
_____	Hinges and hasps securely fastened to magazine	NFPA 495 9.6.5.2.3
_____	Locking hardware secured rigidly and directly to the door frame	NFPA 495 9.6.5.2.3
_____	Vehicular magazines shall be immobilized while unattended by removing wheels, locking kingpins, or otherwise effectively immobilizing it	NFPA 495 9.6.5.2.4

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