

# EAST GRAND FIRE PROTECTION DISTRICT NO. 4

P.O. Box 2967 • 911 Old Town Dr. Winter Park, Colorado 80482

(970) 531-8953 • [www.eastgrandfire.com](http://www.eastgrandfire.com)

Fire Prevention Bureau

**FIREWORK, PYROTECHNIC AND FLAME EFFECT PERMIT Application – Effective December 2025  
SUBMITTAL PACKAGES MUST BE RECEIVED BY THE FIRE PREVENTION BUREAU AT LEAST TEN (10)  
BUSINESS DAYS BEFORE THE PRODUCTION. INCOMPLETE SUBMITTALS WILL NOT BE ACCEPTED.**

**INSPECTIONS REQUIRE 72 HOUR NOTICE PRIOR TO EVENT DATE & TIME.**

<b>EVENT ADDRESS/LOCATION:</b>	<b>OWNER NAME:</b>	<b>ADDRESS (CITY, STATE, ZIP):</b>
<b>CONTRACTOR COMPANY:</b>	<b>CONTRACTOR CONTACT:</b>	<b>MAILING ADDRESS (CITY, STATE, ZIP):</b>
<b>PHONE:</b>	<b>EMAIL:</b>	<b>LICENSE # / TYPE:</b>

**SYSTEM TYPE:** ☐ FIREWORKS ☐ FLAME EFFECT ☐ FIREWORKS DISPLAY ☐ OTHER

**SCOPE OF WORK:**

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## REQUIRED DOCUMENTATION AS PART OF SUBMITTAL PACKAGE:

- Name of person, group, or organization sponsoring the production.
- Date and time of day of the production.
- Exact location of the production.
- Name of the person in charge of firing the pyrotechnics.
- Number, names, and ages of ALL assistants who are to be present.
- Qualifications of the pyrotechnic operator.
- Confirmation of any applicable state and federal licenses held by the operator and/or assistant(s).
- Evidence of the permittee's insurance carrier or financial responsibility. (See Section IV - Insurance)
- Number and types of fireworks, pyrotechnic devices and/or flame effects and materials to be used, the operators
- Experience with those devices and effects, and a definition of the general responsibilities of the assistant(s).
- Detailed, to scale, site or facility diagram of the grounds or facilities where the production is to be held. This diagram shall show the point at which the pyrotechnic devices are to be fired, the fallout radius for each pyrotechnic device used in the performance, and the lines behind which the audience shall be restrained; distances shall be measured in feet and all exposures identified in feet from point of display. (See Section VI – Display Map)
- Point of on-site assembly of pyrotechnic devices. (If assembly on site is required)
- Manner and place of storage of pyrotechnic materials and devices.
- Material Safety Data Sheets (MSDS) for EACH of the pyrotechnic material(s) to be used.
- Certification that the costumes, set, scenery, and rigging materials are inherently flame-retardant or have been treated to achieve flame retardancy.
- A shot queue list/timeline for each shot during the performance.
- Signed installer certification
- Installer/User Certification
- Flammability certification(s) for the fabric/membrane of the temporary structure. And/or costumes, clothing, scenery, stages, etc.

**SUBMISSIONS:**

HARD COPIES CAN BE DELIVERED TO 911 OLD TOWN DR. WINTER PARK, CO 80482 OR SUBMITTED ELECTRONICALLY TO: [PERMITS@EASTGRANDFIRE.COM](mailto:PERMITS@EASTGRANDFIRE.COM)

\_\_\_\_\_  
SIGNATURE OF CONTRACTOR

\_\_\_\_\_  
DATE

**EGFD USE ONLY**

SUBMITTAL PACKAGE RECEIVED

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

PAYMENT RECEIVED PER ABOVE

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

SUBMITTAL CHECKED

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

FINAL INSPECTION COMPLETED /  
PERMIT ISSUED

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

**PURPOSE**

To provide permitting and plan submittal requirements for the use of fireworks, pyrotechnics, flame effects and other similar effect productions.

**SCOPE**

This document pertains to the approved use and requires permitting of fireworks, proximate audience displays, flame effects and pyrotechnic special effects in motion picture, television, theatrical, and group entertainment productions as required by the East Grand Fire Protection District #4.

**DEFINITIONS**

**Fireworks:** Any composition or device for the purpose of producing a visible or an audible effect for entertainment purposes by combustion, deflagration or detonation that meets the definition of 1.4G fireworks or 1.3G fireworks as set forth herein.

**Fireworks, 1.4G. (Formerly known as Class C, Common Fireworks.)** Small fireworks devices containing restricted amounts of pyrotechnic composition are designed primarily to produce visible or audible effects by combustion.

**Fireworks, 1.3G. (Formerly Class B, Special Fireworks.)** Large fireworks devices, which are explosive materials, intended for use in fireworks displays and designed to produce audible or visible effects by combustion, deflagration or detonation. Such 1.3G fireworks include, but are not limited to, firecrackers containing more than 130 milligrams (2 grains) of explosive composition, aerial shells containing more than 40 grams of pyrotechnic composition, and other display pieces which exceed the limits for classification as 1.4G fireworks. Such 1.3G fireworks, are also described as Fire-works, UN0335 by the DOTn.

**Fireworks Display:** A presentation of fireworks for a public or private gathering. (See also definitions in NFPA 1123 - Code for Fireworks Display)

**Flame Effect:** The combustion of flammable solids, liquids or gases to produce thermal, physical, visual or audible phenomena before an audience. (See also definitions in NFPA 160, Standard on the Use of Flame Effects Before an Audience.)

**Pyrotechnic Special Effect:** A visible or audible effect for entertainment is created through the use of pyrotechnic materials and devices. (See also definitions in NFPA 1126 - Standard for the Use of Pyrotechnics Before a Proximate Audience.)

# **GUIDELINES**

## **I. Permitting and Fees**

A provisional permit from the Fire Prevention Bureau is required prior to the use of any approved fireworks or pyrotechnic production. Once a permit application has been submitted and approved, set up of the display may begin. The permit will be issued at the time of inspection and must always remain on site of the display until after the dismantling of the production. Fees are required for permits and subsequent inspections. The fee is based on the current approved Fire Prevention Bureau Fee Schedule.

## **II. Plan Submittal Requirements**

For a permit to be issued, construction plans must be submitted to the Fire Prevention Bureau and subsequently reviewed and approved. The applicant must submit for approval a detailed drawing of the site and/or production area, its layout, location, separations from other structures, purpose (e.g., retail use, public assembly), and the permit application (See Attachments for examples). When the submittal has been approved, the required fees will be collected, and an inspection may be scheduled. Permits are issued upon inspection approval. The submittal package for fireworks, pyrotechnic and/or flame effect production must consist of the following documents.

## **III. Inspections**

A Fire Inspector from the Fire Prevention Bureau is required to conduct an inspection for the approval of the fireworks, pyrotechnic and/or flame effect production installation and permit application prior to the production occurring. Fire inspections are scheduled by calling the Fire Prevention Bureau and making an appointment after the submittal package has been approved. Inspection scheduling is subject to personnel availability. A minimum of three (3) business days is needed between the inspection scheduling and inspection date. Although it is strongly recommended that inspections be scheduled as far in advance as possible to ensure any desired inspection date. The fireworks/pyrotechnic installer and/or operator shall be present on site for the duration of the fire inspection and remain on-site through the production. For fireworks productions, the installer/operator shall remain on-site after the production as required per NFPA 1123. Prior to the Fire Inspector's arrival for the inspection, production shall be installed completely and compliant with all applicable fire codes and standards as well as plan review comments. A copy of the permit submittal package shall be available to the inspector. Fire Inspectors may require the "shooter" to demonstrate any or all the items used within a production to verify what the effect will be or look like (span/extent of effects, number of sparks produced, height of flames, etc.) as well as adequate clearances from adjacent hazards. Any deficiencies found by the Fire Inspector must be corrected prior to issuance of the permit. The Fire Prevention Bureau is authorized to delay, cease or modify the production based on fire and life safety concerns noted during the plan review and/or during final site inspection. Once the installation has been approved by the inspector, the inspector will issue the permit which then allows the production to commence.

## **IV. Insurance**

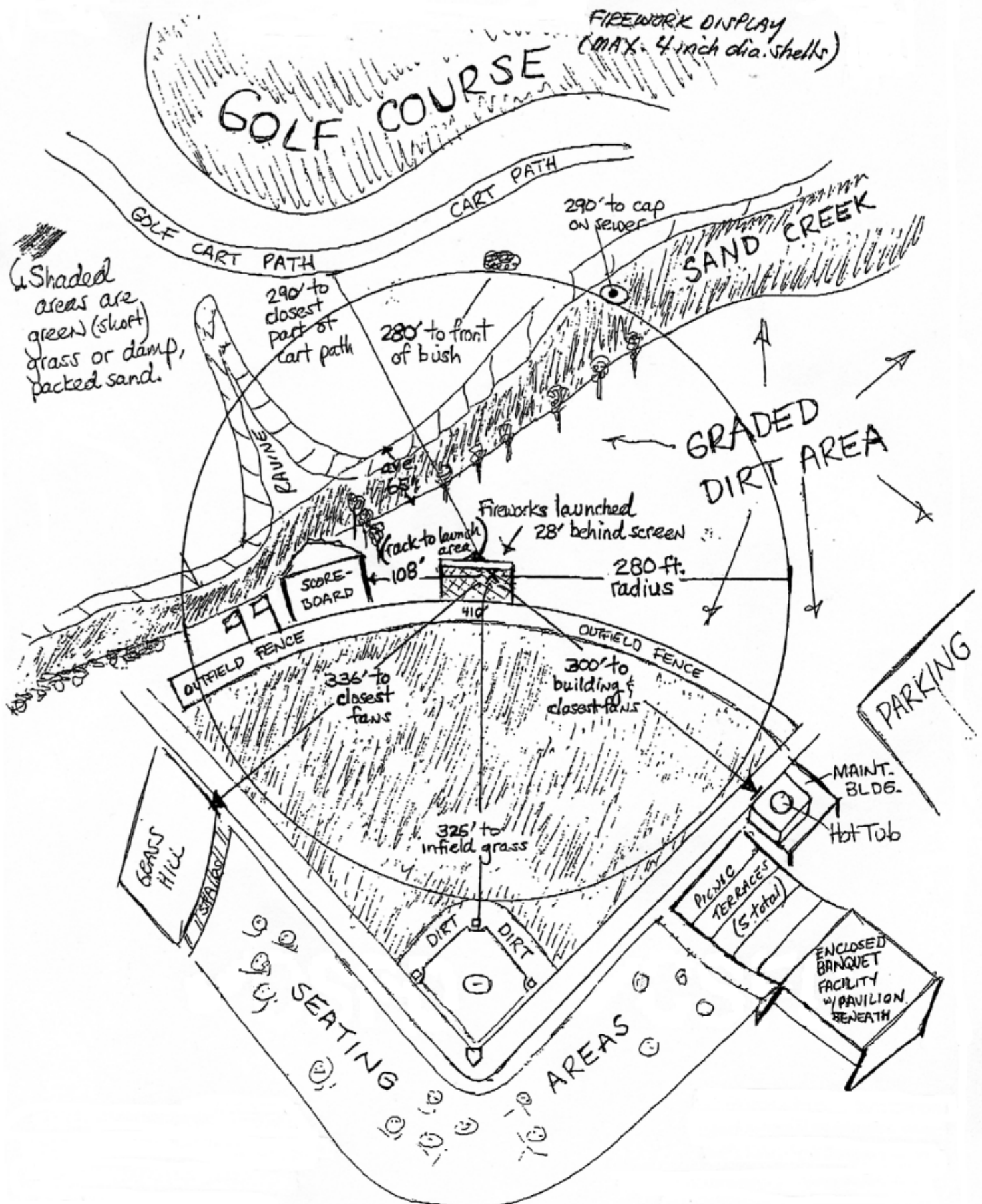
With the exception of government entities, the permit holder shall furnish a bond or certificate of insurance in an amount deemed adequate by the fire code official for the payment of all potential damages to a person or persons or to property by reason of the permitted display, and arising from any acts of the permit holder, the agent, employees or subcontractors. This bond or certificate shall include:

1. \$2,000,000 general aggregate.
2. \$1,000,000 products and completed operative aggregate.
3. \$1,000,000 each occurrence.
4. Comprehensive automobile liability with minimum limits of \$1,000,000 per occurrence.
5. Workers compensation and employers liability as required by statute. Employers' liability coverage is to be carried out for a minimum of \$100,000.
6. The insurance shall cover all operations involving fireworks and any vehicles used for the transportation or storage of fireworks, bodily injury liability and property liability for the purpose of payment of any damages to persons or properties which arise from, or are caused by, the conduct of an act authorized by the permit upon which a judicial judgment results. The insurance shall also provide protection for underground property damage and property damage resulting from fireworks or explosion. The certificate of insurance shall guarantee 30 days' written notice to the chief of the fire department in the event of policy cancellation for any reason. The chief is authorized to specify a greater or lesser amount when, in the chief's opinion, conditions at the location of use indicate the need for modification.

## V. DISPLAY

- ☐ **Section 5601.7 Seizure:** The fire code official is authorized to remove or cause to be removed or disposed of in an approved manner, at the expense of the owner, explosives, explosive materials or fireworks offered or exposed for sale, stored, possessed or used in violation of this chapter.
- ☐ **Section 5601.2.4 Financial Responsibility:** Before a permit is issued, as required by Section 5601.2, the applicant shall file with the jurisdiction a corporate surety bond in the principal sum of \$100,000 or a public liability insurance policy for the same amount, for the purpose of the payment of all damages to persons or property that arise from, or are caused by, the conduct of any act authorized by the permit upon which any judicial judgment results. The fire code official is authorized to specify a greater or lesser amount when, in his or her opinion, conditions at the location of use indicate a greater or lesser amount is required.
- ☐ **NFPA 1123 5.1.3 Minimum Site Size Requirements:** All mortars for aerial displays are separated from spectator viewing areas, vehicles and buildings as set forth in NFPA Chapter 1123, table 5.1.3.1 ( \_\_\_\_\_ minimum feet is required for this display ) The designated landing area shall not be within 100 feet of any tents, canopies, or membrane structures and is a large, clear, open area.
- ☐ **NFPA 1123 4.3.1 Inspection:** All mortars, prior to placement, have been inspected for defects such as dents, bend ends, damaged interiors and damaged plugs. All damaged mortars found defective shall not be used.
- ☐ **Section 5608.6 Installation of Mortars:** Mortars for firing fireworks shells shall be installed in accordance with NFPA 1123 and shall be positioned so that shells are propelled away from spectators and over the fallout area. Mortars shall not be angled toward the spectator viewing area. Prior to placement, mortars shall be inspected for defects, such as dents, bent ends, damaged interiors and damaged plugs. Defective mortars shall not be used.
- ☐ **NFPA 1123 4.4. Installation of Buried Mortars:** All mortars are securely buried with correct spacing and depth. And have a solid backing if they are in soft dirt.
- ☐ **NFPA 1123 4.4.4.1 & 4.4.4.2 Moisture Protection:** Where paper mortars are to be placed in damp ground or damp sand or are to be in the ground or sand for more than 12 hours prior to the display, they shall be placed inside a water-resistant bag or otherwise protected against moisture prior to placement in the ground or sand. Wherever there is the likelihood of groundwater leaking into the mortar, the mortar shall be placed inside a water-resistant bag prior to placement in the ground. Weather-resistant coverings shall be placed over the mouth of mortars wherever there is imminent danger of water collecting in the mortars.
- ☐ **NFPA 1123 4.3.3 Grouping Mortars:** Where mortars are to be reloaded during a display, the following procedures shall be followed:
  - (1) Mortars of various sizes shall not be intermixed.
  - (2) Mortars of the same size shall be placed in groups, and the groups shall be separated from one another.
- ☐ **NFPA 1126 Proximate Audience Displays and Ground Piece location per NFPA 1126**
- ☐ **NFPA 1123 8.3.2 Combustibles:** All ground pieces shall be clear and free from any dry grass and combustibles or wet down before display.
- ☐ **NFPA 1123 8.3.3 Securing:** All ground pieces shall be securely placed and braced.
- ☐ **NFPA 1123 9.1 Electrical Ignition of a Display:** All electrical firing units shall be in accordance with Chapter 9 NFPA 1123.
- ☐ **NFPA 1123 8.1.1 Display Operation - Fire Protection:** The sponsor shall consult with the AHJ, the local responding fire department (if different from the AHJ), and the operator to determine the level of fire protection required.
- ☐ **NFPA 1123 8.1.2 Monitors:** The following shall apply to crowd control:
  - (1) Monitors whose sole duty is the enforcement of crowd control shall be located around the display site and at other locations as determined by the sponsor
  - (2) The AHJ and the operator shall approve the provisions for crowd control.
- ☐ **NFPA 1123 8.1.2.2 Barriers:** If authorized by the AHJ, approved delineators or barriers shall be used to aid in crowd control.
- ☐ **NFPA 1123 8.1.4 Display Discontinued:** Any authority or authorities deeming this display unsafe due to lack of crowd control or that the crowd is in danger, may have the authority to immediately discontinue the display, or if at any time the winds, or wet weather creates a danger, the display shall be postponed until weather conditions are acceptable to the AHJ.
- ☐ **NFPA 1123 8.1.5 Illumination:** Display operators shall only use flashlights or electrical lighting for illumination.
- ☐ **NFPA 1123 8.1.6.1 Smoking and Open Flames:** Smoking materials, matches, lighters, or open flame devices shall not be permitted within 50 ft (15 m) of any area where fireworks or other pyrotechnic materials are present.

**Outdoor:**





Indoor:

