



AUTHORIZED FIREWORKS
WHICH CAN BE SOLD WITHIN THE
CITY OF SALINA
CITY LIMITS

City of Salina Ordinance No. 11-10588 regulates the type of fireworks that can be sold at a retail fireworks stand within the city limits. The ordinance also regulates fireworks that are **strictly prohibited** to be sold within the city limits.

So what can be sold?

Ordinance No. 11-10588 authorizes the sale of fireworks classified by the U.S. Department of Transportation as Consumer Fireworks. Consumer Fireworks are also known as 1.4G fireworks. Consumer Fireworks can also be identified by a UN number. The UN numbers that identify the consumer fireworks are UN0336 and/or UN0337.

How do I know if they are authorized fireworks?

All consumer fireworks are required to be identified on the individual package. This identification will contain the following information, either alone or combine with other wording. Examples are:

- Consumer Fireworks 1.4G
- Consumer Fireworks UN 0336
- Consumer Fireworks UN 0337
- DOT Class C, Consumer Fireworks, 1.4G, UN 0336
- UN 0336
- UN 0337



APPLICATION REVIEW PHASE

This phase involves the review process of the completed and submitted application for a consumer fireworks facility and the site plan submitted with the application by both the Fire Department and Planning Division.

The completed application, submitted initially to the Community and Development Services Department, will be forwarded to the Fire Marshal (Salina Fire Dept.), the Planning Division, the Building Services Division and the City's Risk Management Specialist, for review, and finally returned back to the Development Services Department for issuance of a Consumer Fireworks Facility Temporary Use Permit ***if the application shows all requirements have been met.***

Reviewing departments/divisions will review for the following information:

Salina Fire Department:

- Review for all the required information on the site plan
- Review the distances between the fireworks stand and existing building(s) and property lines
- Review the source of electricity to the tent
- Review the proposed location of fire suppression equipment (fire extinguishers)
- Review the size of the tent for further requirements
- Review the "Certificate of Flame Resistance" for the tent
- Sign and date the application

Planning Division:

- Review the current zoning of the property
- Review for approved zoning for a consumer fireworks facility
- Review the legal description
- Review the property owners written consent, if applicable
- Review the off-street parking available on the site
- Review the site plan. Failure to meet and adhere to the setback and separation requirements may result in the application being denied.
- Sign and date the application.

Building Services Division:

- Review of tent staking

City Risk Manager:

- Review of the certificate of insurance and any related insurance documentation that is required

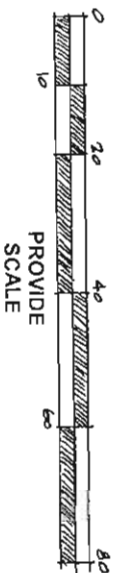
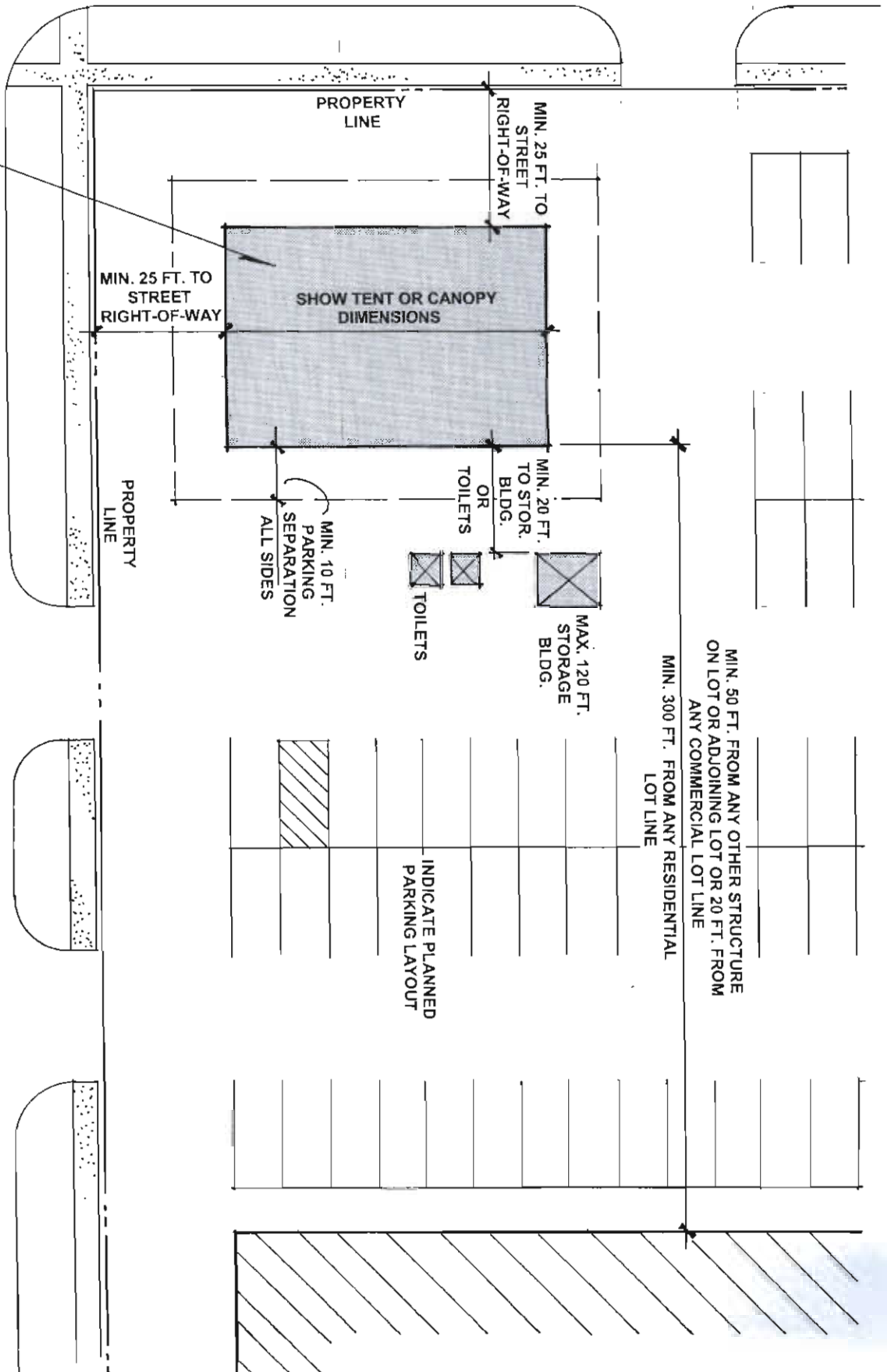
* The permit holder for a consumer fireworks facility must carry and provide proof that it carries general liability insurance coverage written by a carrier authorized to do business in Kansas with coverage limits of no less than \$1,000,000.

STREET RIGHT-OF-WAY

PROVIDE NORTH
ARROW

MAXIMUM 2400 SQ. FT. TENT
OR CANOPY ALLOWED

STREET RIGHT-OF-WAY



CONSUMER FIREWORKS FACILITY
SAMPLE SITE PLAN



Tent Anchoring Requirements

Staking/Anchoring:

- The ability of the tent to withstand wind loading and other weather related events is paramount to the safety of all individuals utilizing the tent space and to protect adjacent property. In the absence of engineered specifications and manufacturer's installation instructions, the following information will serve as a guideline for the tent anchoring requirements. These anchoring requirements have been thoroughly tested by the Tent Division of International Fabrics Association International (IFAI).
- Install all tents in accordance with the manufacturer's instructions. (Preferred method)
- Use the staking /anchoring charts provided by the tent manufacturer. (Preferred method)
- Provide the location of stakes and/or ballasts for anchoring on the site plan. Also provide the distance of the stakes and/or ballast from the tent support poles as determined by the manufacturer.
- Staking refers to the use of steel stakes/pins at least 1 inch in diameter.
Note: Be aware of the soil conditions in the area where staking is to occur. Soil type and condition of the soil (wet/dry) will factor into the holding capacity of the stakes. Larger diameter stakes will result in increased holding capacity. Drive stakes/pins straight down as opposed to driving them in at an angle.
- Ballast refers to using concrete and water weight of various configurations.
Note: Typical 50-55 gallon plastic water barrels are not recommended for ballast due to being top-heavy and they are prone to sliding on any surface. In addition, a typical 5 gallon bucket filled with concrete (approx. 100 lbs ea. when filled to the top) is not recommended. They are not consistent with volume or weight and are easily displaced.
- As a point of reference:
 - Standard concrete weights 150 lbs per cubic foot.
 - A gallon of water weighs 8.33 to 8.34 lbs. on average at 62°-70° F.

Stake Sizing Table

Stake size	Average holding force- driven "full" depth
5/8" x 18"	200 lbs
5/8" x 24"	500 lbs
1" x 36"	1150 lbs
1" X 42"	1450 lbs
	Note: "Full" depth is considered to be within 1"-2" above grade.
Stake size	Average holding force- driven "½" depth
5/8" x 18"	135 lbs
5/8" x 24"	275 lbs
1" x 36"	400 lbs
1" x 42"	700 lbs

Typical Ballast Weights (examples)

Lego Style Concrete Block	2 ft. wide x 3ft. long x 24 inches high	1800 lbs
Cylindrical Concrete Block	24 inches diameter x 21 inches high	1000 lbs
Cylindrical Concrete Block	18 inches diameter x 18 inches high	500 lbs
Jersey Barrier (concrete)	36 inches high x 10 ft. long	4000 lbs.
Jersey Barrier (water)	36 inches high x 60 inches long	683 lbs. (filled)
Giffy Tent Barrels (water)	75 gallon	660 lbs. (filled)

How to calculate number of stakes and/or how much ballast weight is needed:

- Multiply the square feet of the tent by 22.5 pounds per square foot (psf).
- For tent installations, it has been determined that 15 psf and a 1.5 safety factor is sufficient for most applications. (This equates to 22.5 psf)

Examples: (using 1 inch diameter by 36 inch long steel stakes/pins or 1000 lb. concrete ballast)

- 20' x 20' tent – 400 sq. ft.: 9000 lbs. = (9) stakes or (9) 1000 lb. (ea). concrete ballast.
- 30' x 60' tent- 1800 sq. ft.: 40,500 lbs. = (41) stakes or (41) 1000 lb. (ea). concrete ballast.
- 40' x 80' tent- 3200 sq. ft.: 72,000 lbs. = (71) stakes or (71) 1000lb. (ea). concrete ballast.
- 60' x 90' tent- 5400 sq. ft.: 121,500 lbs. = (122) stakes or (122) 1000 lb. (ea). concrete ballast.

Other items to consider:

- Age and maximum capacity (strength) of the ropes and/or straps to be used for anchoring purposes.
- Attach all ropes/straps as close to the ground as possible.