



ROAR Over Texas, Inc.

Proposal for Indoor/Outdoor Pyrotechnics- Boxwood Manor 10/05/2024

City of Tomball

To whom it may concern:

ROAR Over Texas, Inc. is a firework and special effects company in business for 8 years as a family owned and operated first responder company. Our CTO, Oscar Lopez, was employed by the Cy-Fair Fire Department for 15 years and many of our technicians are either former or current firefighters in various fire departments. We pride ourselves on delivering first class displays for our clients' special occasions including weddings, birthdays, and corporate events. Our goal is to safely and efficiently perform pyrotechnic displays within AHJ restrictions.

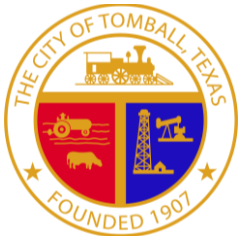
Contents of proposal:

- City of Tomball Special Event Guidelines and Application
- City of Tomball Fireworks Event Guidelines and Application
- Tomball Fire Rescue Annual Operational Permit Application
- City of Tomball Fire Department Credit Card Draft Authorization Form
- Formal Safety Plan for Sparkular Mini
- MSDS for MOKASFX Cold Spark Special Effect Fountain Particles
- Technician License
- Insurance certificate
- Michelle and Daniel's Wedding Timeline
- Site Plan of Boxwood Manor indoor/outdoor

Event details:

| | |
|-------|---|
| Date | October 5, 2024 |
| Times | 7:15-7:25pm, 9:30pm |
| Venue | Boxwood Manor 945 E Hufsmith Rd, Tomball, TX 77375 |

| | |
|-------------------------|---|
| | |
| Indoor pyrotechnics use | <ul style="list-style-type: none"> -Introduction of bride and groom -1st dance -Father/daughter dance -Mother/son dance <p>*indoor pyro machines will be moved outside</p> <ul style="list-style-type: none"> -Faux exit for family and wedding party |
| Operator | Frank Caamano |
| Operator Information | <p>FEO- 3075520</p> <p>Phone number: 281 744 9882</p> |
| Coordinator | Christine Tierra |
| Coordinator Information | <p>Owner, Lead Designer + Planner</p> <p>cell: 512.755.0179</p> <p>email: christine@houstonsoiree.com</p> <p>web: www.houstonsoiree.com</p> |



SPECIAL EVENT GUIDELINES & APPLICATION

CITY OF TOMBALL, TEXAS

Effective Date: 1/1/2023

INTRODUCTION: Any organized activity or event and open to the general public that involves the use of, or having an impact upon, public property, facilities, public parks, sidewalks, or street areas in the City of Tomball require prior approval and must meet certain requirements for consideration.

PROCEDURES: Several procedures and guidelines must be followed before any non-city staged event may take place. Those include, but are not limited to, the following:

1. A completed Special Event application must be submitted to the Tomball Department of Marketing & Tourism at least 180 days prior to any proposed festival or event. Tomball City Council approval is required if event meets one of the following criteria: sale of alcohol, street closures or contains a request for in-kind donations from the City of Tomball.
2. A written proposal must accompany the application. The proposal should include the overall event concept, a detailed site map, a list of planned activities, hours of operation, proposed vendors, food and beverage, entertainment and any other relevant aspects of the event.
3. If a charity is involved, or is the beneficiary of funds raised, information about the charity needs to be included as a part of the application process, as well as proof of non-profit status. If requesting in-kind services, preference will be given to organizations providing donations to agencies within the city limits of Tomball.
4. A fee equal to the actual cost of city services to host the event will be required of for-profit event planners to be paid no less than ten business days before the event. Non-profit organizations may request city services as an in-kind donation.
5. A meeting will be scheduled with the Tomball Events Team (representatives of Tomball Police, Fire, Public Works, Marketing and Northwest EMS) to discuss the merits and feasibility of the proposed event. The applicant is required to be at this meeting to answer questions regarding the application. Failure to attend will result in the event being cancelled by the City of Tomball.
6. If approved by the Tomball Events Team, the proposed event will be presented to City Council for final approval. The applicant is required to be at this meeting to answer questions regarding the application if necessary.
7. Ten days prior to the event, proof of general liability insurance (\$1,000,000 minimum) must be provided by the event organizer naming the City of Tomball as additional insured.
8. Event coordinators must provide their own volunteers or staff; oversee food and beverage permits, vendors, site clean-up and other aspects of staging a festival/special event.
9. Failure to comply with the guidelines listed above will preclude applicant from staging future events.

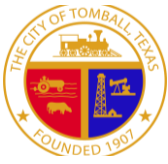
For additional information, or to submit an event application, please contact:

Chrislord Templonuevo – Marketing and Tourism Manager

401 Market Street

Tomball, Texas 77375

(281) 290-1035 | Email – ctemplonuevo@tomballtx.gov



SPECIAL EVENT APPLICATION

CITY OF TOMBALL, TEXAS | 401 Market Street | Tomball, Texas 77375 | 281-351-5484

An application to stage an event within the City of Tomball shall be filed with the Community Events Coordinator at least 180 days prior to the event. This application is not to be construed as authorizing or agreeing to any event until formally approved by Tomball City Council.

Date: 08/21/2024 Is this event Co-City sponsored? Yes ___ No

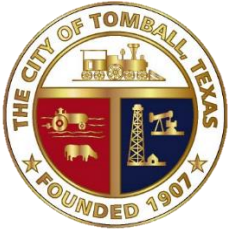
Request for permission to use a public venue for the following type of event (please check one):

Festival ___ Community Event ___ Arts & Crafts Event ___ Music Event ___ Other (specify) N/A this is a private wedding

1. Event title: Boxwood Manor wedding- indoor cold sparks for special dances and faux exit
2. Sponsoring entity: ROAR Over Texas, Inc.
3. Is this organization based in Tomball: Yes ___ No
4. Is this organization *non-profit* ___ or *for-profit* *Attach 501 (c) (3) tax exemption if applicable
5. Contact: Oscar Lopez Phone: 832 920 6138
6. Contact address: 9734 Tucker Cypress Dr. Houston, TX 77095
7. Contact email: admin@roarover texas.com
8. Event date: 10/05/2024
9. Event times: Start 5:00pm Finish 11:00pm Set-up 10:00am- all vendors can arrive; 6:15pm-ROAR arrival Breakdown 11:05pm- all vendors 9:30pm- ROAR breakdown
10. Is this event for charity? Yes ___ No
11. If yes, what charity? _____ Tax ID _____
12. If yes, what percentage of net proceeds will be donated to the charity? _____
13. On-site contact: Frank Caamano Mobile Phone: 281 744 9882
14. Estimated number of attendees: 120-150
15. Detailed site map in attached: Yes No ___
16. Is this event open to the public: Yes ___ No
17. Admission fee: \$ _____ Free private wedding
18. Time at which event staff will begin to arrive: 10:00am- all vendors can arrive; 6:15pm-ROAR arrival
19. The applicant will defend and hold harmless the City of Tomball from all claims, demands, actions or causes of action, of whatsoever nature or character, arising out of or by reason of the conduct of the activity authorized by such application including attorney fees and expenses.
Initial OK
20. The applicant will provide proof of general liability insurance for the event naming the City of Tomball as additional insured.
Initial OK
21. Name of insurance carrier: Drayton Insurance
22. Are Fireworks included in your event? ___ No Yes (Must submit Fireworks Event Application)

Signature: OK

FOR OFFICIAL USE - Fee required: Yes ___ No ___ Amount Due: \$ _____



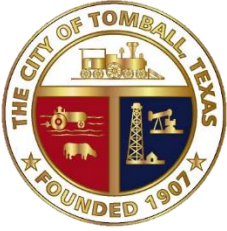
FIREWORKS EVENT GUIDELINES & APPLICATION

INTRODUCTION: Any non-sanctioned city event, including but not limited to wedding, party, or other gathering, involving the use of any firework. A firework is defined as any firecrackers, cannon crackers, skyrockets, torpedoes, roman candles, sparklers, squibs, fire balloons, star shells, gerbs or any other substance in whatever combination by any designated name intended for use in obtaining visible or audible pyrotechnic display; and such term shall include all articles or substances within the commonly accepted meaning of fireworks whether specially designated and defined or not.

PROCEDURES: Several procedures and guidelines must be followed before any non-city sanctioned event may take place involving fireworks. Those include, but are not limited to, the following:

1. A completed Fireworks Application must be submitted to the Tomball Fire Department at least 90 days prior to any proposed festival or event. Tomball City Council approval is required if event meets one of the following criteria: sale of alcohol, street closures, fireworks, or contains a request for in-kind donations from the City of Tomball.
2. A written proposal must accompany the application. The proposal should include the overall event concept, location, a detailed site map, hours of fireworks show, type of fireworks show (aerial or ground effects). **THIS DOES NOT CONSTITUTE A PERMIT FROM THE FIRE MARSHAL'S OFFICE.**
 - a. Aerial Fireworks Shooting Sites shall not be within
 - i. 1000 feet of a structure on an abutting property
 - ii. 500 feet of a lot line where livestock are present
3. If approved by the Tomball Fire Department, the proposed event will be presented to City Council for final approval. The applicant is required to be at this meeting to answer questions regarding the application if necessary.
4. If approved by the Tomball City Council, no less than 14 days prior to the event the applicant's state licensed pyro-technician shall submit appropriate documentation for permitting to the Tomball Fire Department Fire Prevention Division for permitting.
5. Failure to comply with these guidelines may result in a fine not to exceed \$2000.

For additional information, or to submit a fireworks event application, please contact:
Tomball Fire Department – Fire Prevention Division
1200 Rudel Dr.
Tomball, Texas 77375
(281) 351-7101 | Email – firecode@tomballtx.gov



FIREWORKS EVENT APPLICATION

CITY OF TOMBALL, TEXAS | 1200 Rudel Dr | Tomball, Texas 77375 | 281-351-7101

An application to stage an event within the City of Tomball shall be filed with the Tomball Fire Department at least 90 days prior to the event. This application is not to be construed as authorizing or agreeing to any event until formally approved by Tomball City Council and permitted by the Tomball Fire Department.

Date: 08/21/2024

Request for permission to conduct and Fireworks Show for the following type of event (please check one):

Festival Community Event Wedding Music Event Other (specify)
N/A this is a private wedding

1. Event title: Boxwood Manor wedding- indoor cold sparks for special dances and faux exit
2. Contact: Oscar Lopez Phone: 832 920 6138
3. Contact address: 9734 Tucker Cypress Dr. Houston, TX 77095
4. Contact email: admin@roarover texas.com
5. Event date: October 5, 2024
6. Firework Show Event times: Start 7:15pm Finish 9:30pm Set-up 6:15pm Breakdown 9:30pm
7. Fireworks Show Type (Check All that Apply): Aerial Ground Effects
8. State -Licensed Fireworks Provider: ROAR Over Texas, Inc. Phone: 832 427 6194
9. On-site contact: Frank Caamano Mobile Phone: 281 744 9882
10. Estimated number of attendees: 120-150
11. Detailed site map is attached: Yes No
12. Is this event open to the public: Yes No
13. Admission fee: \$ Free N/A this is a private wedding

Signature: 



Tomball Fire Rescue
Fire Prevention Division
 1200 Rudel Rd.
 Tomball, TX
 281-351-7101



Business Name: ROAR Over Texas, Inc.

9734 Tucker Cypress Dr. Houston, TX 77095

Business Address: _____

Person Responsible: Oscar Lopez

Business Phone: 832 427 6194 Date: 08/21/2024

E-Mail Address: admin@roarovertx.com

Annual Operational Permit Application

| Type of Permit | | Amount | X | Reason for Permit |
|----------------|--|----------|---|--|
| 1 | Aerosol Products | \$100.00 | | To manufacture, store or handle |
| 2 | Amusement Buildings | \$100.00 | | To operate |
| 3 | Aviation Facility | \$150.00 | | Aircraft servicing or repair of |
| 4 | Carnivals and Fairs | \$150.00 | | To conduct |
| 5 | Cellulose Nitrate Film | \$100.00 | | To store, handle or use |
| 6 | Combustible Dust Products | \$100.00 | | To operate a facility that creates combustible dust |
| 7 | Combustible Fibers | \$125.00 | | To store, handle in quantities greater than 100 cubic feet. |
| 8 | Compressed Gases | \$100.00 | | To store, operate or use |
| 9 | Covered Mall Buildings | \$50.00 | | For salable goods inside covered mall buildings |
| 10 | Cryogenic Fluids | \$100.00 | | To produce, store, or transport |
| 11 | Cutting and Welding | \$75.00 | | To conduct cutting and welding operations |
| 12 | Dry Cleaning Plants | \$100.00 | | To engage in the business of |
| 13 | Exhibits and Trade Show | \$75.00 | | To operate |
| 14 | Small arms & Explosives, including Fireworks | \$150.00 | | For the manufacture, storage, sale or use of |
| 16 | Flammable and Combustible Liquids | \$75.00 | | To store, handle or use Class I liquids in accordance with the IFC 2015 |
| 17 | Floor Finishing (including bowling lanes) | \$100.00 | | To finish or surface over 350 sq. ft. |
| 19 | Fumigation & Insecticide Fogging | \$50.00 | | To operate a business of fumigation |
| 20 | Hazardous Materials | \$150.00 | | To store, transport on site, use or handle |
| 21 | HPM Facilities | \$150.00 | | To Store, handle or use hazardous production materials |
| 22 | High Piled Storage | \$75.00 | | For storage within a building exceeding 500 sq. ft. over 12ft. |
| 23 | Hot Work Operations | \$75.00 | | Welding, cutting or roofing operations |
| 24 | Industrial Ovens | \$100.00 | | To operate |
| 25 | Lumber Yards and Wood Working Plants | \$100.00 | | To store or process amounts exceeding 100, 000 board beet |
| 26 | Liquid or Gas Fueled Vehicles in Group "A" | \$100.00 | | To operate, display or demonstrate in a Group A occupancy |
| 27 | LP-Gas | \$100.00 | | To store or use and the operation of tankers that transport LP Gas |
| 28 | Magnesium Working | \$150.00 | | To melt, cast, heat treat or grind |
| 29 | Miscellaneous Combustible Storage | \$100.00 | | To store in excess of 2500 cu. ft. combustible packing material, boxes, crates, barrels, tires, cork or similar combustible material |
| 30 | Open Burning (Commercial-Trench) | \$150.00 | | To Operate |
| 32 | Open Flames and Candles | \$50.00 | | To operate in connection with assembly occupancies |
| 33 | Organic Coatings | \$100.00 | | Producing more than one (1) gallon a day |
| 34a | Places of Assembly 50-100 | \$75.00 | | To operate with occupancy of 50-100 persons |
| 34b | Places of Assembly 101-299 | \$100.00 | | To operate with occupancy of 101-299 persons |
| 34c | Places of Assembly 300 or more | \$125.00 | | To operate with occupancy of 299 or more persons |
| 36 | Pyrotechnic (special effects material) | \$150.00 | x | To use |
| 39a | Repair Garage | \$100.00 | | To operate |
| 39b | Motor Vehicle Fuel Dispensing | \$100.00 | | To operate fuel tank or station |
| 40 | Rooftop Heliports | \$150.00 | | To operate |
| 41 | Spray or Dipping | \$150.00 | | To conduct |
| 42 | Tire Storage | \$100.00 | | To establish, conduct, maintain storage that exceeds 2500 cu.ft. |
| 43 | Temporary Structures, Tents & Canopies | \$75.00 | | To operate Tent over 200 sq. ft. or Canopy over 400 sq. ft. |
| 46 | Wood Products | \$100.00 | | To store chips, hogged material lumber or plywood in excess of 200 cu. ft. |
| 50 | Water Flow Test – Fire Hydrant | \$150.00 | | To flow water from fire hydrant for flow calculations |

Mail or Drop this completed application to: Fire Prevention Division – 1200 Rudel Rd. - Tomball, TX 77375

I understand that the permit I have applied for may be revoked at any time for violation of the terms and conditions under which it is granted, or for any violation of the City of Tomball Fire Codes and Ordinances pertaining thereto. I also understand that this permit must be posted at the location indicated as the permitted premises.

Signature of Applicant *O Lopez*

Total \$ 150.00



City of Tomball Fire Department

Credit Card Draft Authorization Form



Project Name On Permit: Indoor/Outdoor Pyro- Boxwood Manor 10/05/2024

Sprinkler/Alarm Contractor Name: _____

Project Address: 945 E Hufsmith Rd, Tomball, TX 77375

Credit Card Information

Visa, Master or American Express Card ONLY

Credit Card Number: 4102 8100 0204 1862 Expiration Date: 06/27

Name Shown on Credit Card: Megan Lopez CVV Code 643

Billing Address: 9734 Tucker Cypress Dr Apt./Suite No _____

City: Houston State: TX Zip: 77095

Cell Phone: 832 920 6138 Business Phone: 832 427 6194

Effective November 1, 2021 , an additional fee of 3% of the total permit will be added to all Credit Card Transactions.

I authorize The City of Tomball to charge the account referenced above for the amount of \$ 150 , plus a 3% credit card transaction fee.

I understand that my credit card information will be used only for the purpose of a one-time Permit payment to The City of Tomball and that the City will keep my credit card information confidential.

O Lopez

Card Holder's Signature

08/21/2024

Date

admin@roarovertxas.com

Card Holder's Email

1200 Rudel Rd., Tomball, TX 77375
Phone: 281-290-1060 or 281-351-7100
firecode@tomballtx.gov

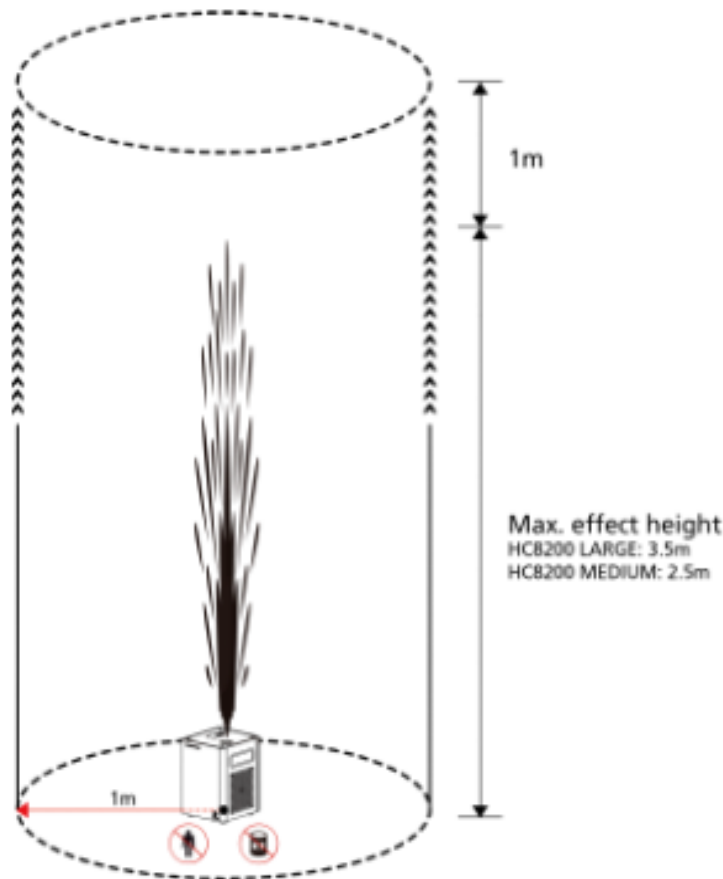
Formal Safety Plan for Sparkular Mini

Δ Safety Instructions

- ⚠ Unauthorized repair are prohibited, it may cause serious incident.
- ⚠ Keep SPARKULAR[®] mini dry and do NOT use in rain or snow.
- ⚠ Make sure lid of feeding hopper are well covered when use SPARKULAR[®] mini.
- ⚠ Accidentally burning of consumable can only use sands to extinguish.
- ⚠ Consumable should keep away from moisture and stored in a dry sealed environment.
- ⚠ Check whether there is consumable aggregate in the output nozzle both before and after each show, if any, please clean it up, or it will affect the firing effect or even damage SPARKULAR[®] mini.
- ⚠ There will be some sparks drop to ground when use HC8200 LARGE, suggest to use HC8200 MEDIUM or SMALL for indoor events.
- ⚠ The SPARKULAR[®] mini power supply cable maximum allowed cascade is 6pcs (BT06) / 3pcs (BT07), exceed connecting may result in damage or even cause fire.
- ⚠ For better heat dissipation, block the air intake and air outlet is prohibited.
- ⚠ Cover the output nozzle of SPARKULAR[®] mini are forbidden, inspect the machine before each show, making sure no objects or material will block the output nozzle.
- ⚠ Never touch the nozzle of SPARKULAR[®], danger of getting burnt
- ⚠ Never touch the sparks which shooting out from the nozzle

Safety Distance

- ⚠ Keep audience and flammable material at a minimum distance of 1m from SPARKULAR[®] mini.
- ⚠ Make sure sparks shoot out from SPARKULAR[®] mini can NOT touch any objects. And keep a clearance with minimum 1m from the setting maximum effect height.
- ⚠ In windy environment, increase the safety distance according to the wind direction and speed.
- ⚠ The safety zone area changes accordingly when machine installed in tilt position. Please increase the safety distance in the direction which machine tilt.
- ⚠ Sparks and consumables from the machine can lead to serious eye injury. Always wear safety goggles when enter the safety zone.



Δ Description

SPARKULAR[®] mini is an affordable sparks solution based on SPARKULAR[®] platform, it is with fixed sparks effects at around 2-3m. Equipped with wireless remote and DMX double control ensure the versatile use for wedding, party, clubs, cruise ships etc. venues and stages.

Δ Technical Specifications

- \\ **MODEL:** BT06/BT07
- \\ **DIMENSION:** 168x180x228mm
- \\ **WEIGHT:** 4.5kg
- \\ **VOLTAGE:** 220V(BT06)/110V(BT07), 50/60Hz
- \\ **WORK POWER:** 380W
- \\ **EFFECT HEIGHT:** 2-2.5m (HCB200 MEDIUM), 3-3.5m (HCB200 LARGE)
- \\ **INTERFACE:** 3-pin XLR, POWER IN/OUT
- \\ **CONTROL:** DMX 2 channels, Wireless Remote

SECTION 3: Composition/information on ingredients

3.1 Chemical characterization: Mixture

Description:

Mixture of the substances listed below with nonhazardous additions; For the wording of the listed risk phrases refer to section 16.

Component:

| | | |
|---|---|------|
| CAS No.: 7440-32-6 EC No.: 231-142-3 | Titanium substance with a Community workplace exposure limit | 75% |
| CAS No.: 7440-67-7 EC No.: 231-176-9 | Zirconium(stabilised) substance with a Community workplace exposure limit | 20 % |
| CAS No.:13463-67-7 EC No.:236-675-5 | Titanium dioxide substance with a Community workplace exposure limit | 5% |

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, chemical dry powder, alcohol-resistant foam. Do not use water.

5.2 Special hazards arising from the substance or mixture: May produce irritant dust under fire.

5.3 Advice for firefighters

Protective equipment: Mouth respiratory protective device.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: If exposure and feel unwell, consult doctor.

After inhalation: Supply fresh air. If feel unwell, get medical advice/attention.

After skin contact: Wipe off with dry towel, then wash skin with water. If skin irritation happens: Get medical advice/attention.

After eye contact: Rinse eyes with running water. Get medical advice/attention immediately.

After swallowing: Rinse mouth. If feel unwell, get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed: There are not any known symptoms and effects normally.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Collect spillage timely; Ensure well-ventilation; Avoid breathing the dust; Prevent contact with eyes; Keep away from water.

6.2 Environmental precautions: Do not allow large quantities of the product to enter sewers/surface or ground water; Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up: Ensure good ventilation; Pick up mechanically; Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections: See section 7 for information on safe handling; See section 8 for information on personal protection equipment; See section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling: Ensure well-ventilation; Avoid breathing the dust; Prevent contact with eyes and skin; Keep away from water.

Information about fire and explosion protection: Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any non-compatibility

Requirements to be met by storerooms and receptacles: Store in a dry and well-ventilation place.

Information about storage in one common storage facility: Keep away from acid and water.

Further information about storage conditions: Store locked up.

7.3 Specific end use(s): Material of corrosion-resisting alloy, flash, fireworks and chemical reagent.

8.2 Exposure controls

Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work; See section 7 for information about design of technical facilities.

Personal protective equipment

Respiration protection: In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

Eye protection:



Safety glasses

Protective goggles with side-shields.

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

Operating temperature is listed in manual. Ambient air temperature when not in use.

Video link for example:

<https://youtu.be/t4O97WK4Wno?si=PObii-4nly8pygtP>

SECTION 13: Disposal consideration

13.1 Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Recycle it.

13.2 Un-cleaned packaging

Recommendation: Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

| | |
|--|--|
| · 14.1 UN-Number ADR, IMDG, IATA | Not regulated as dangerous transport goods, not applicable |
| · 14.2 UN proper shipping name ADR, IMDG, IATA | Not applicable |
| · 14.3 Transport hazard class (es) ADR, IMDG, IATA Class Label | Not applicable Not applicable |
| · 14.4 Packing group ADR, IMDG, IATA | Not applicable |
| · 14.5 Marine pollution | No |
| · 14.6 Special precautions for user | Not applicable |
| · 14.7 UN "Model Regulation" | - |

Emergency Contacts:

Tomball Fire Department

4.0 ★★★★★ 5 Google reviews

Fire station in Tomball, Texas



Website



Directions



Save



Share



Call

Address: 1200 Rudel Rd, Tomball, TX 77375

Phone: (281) 351-7101

USER MANUAL

SPARKULAR® mini

V2.1
2022/06/22



Showven Technologies Co., Ltd.

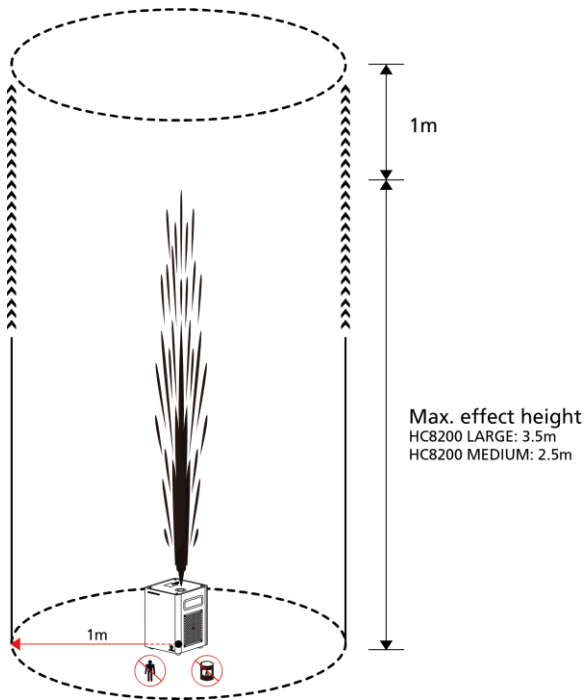
Thanks for choosing SPARKULAR[®] mini, we wish it will sparks up your show. Please read the following manual carefully before operating this product.

Δ **Safety Instructions**

- ⚠ Unauthorized repair are prohibited, it may cause serious incident.
- ⚠ Keep SPARKULAR[®] mini dry and do NOT use in rain or snow.
- ⚠ Make sure lid of feeding hopper are well covered when use SPARKULAR[®] mini.
- ⚠ Accidentally burning of consumable can only use sands to extinguish.
- ⚠ Consumable should keep away from moisture and stored in a dry sealed environment.
- ⚠ Check whether there is consumable aggregate in the output nozzle both before and after each show, if any, please clean it up, or it will affect the firing effect or even damage SPARKULAR[®] mini.
- ⚠ There will be some sparks drop to ground when use HC8200 LARGE, suggest to use HC8200 MEDIUM or SMALL for indoor events.
- ⚠ The SPARKULAR[®] mini power supply cable maximum allowed cascade is 6pcs (BT06) / 3pcs (BT07), exceed connecting may result in damage or even cause fire.
- ⚠ For better heat dissipation, block the air intake and air outlet is prohibited.
- ⚠ Cover the output nozzle of SPARKULAR[®] mini are forbidden, inspect the machine before each show, making sure no objects or material will block the output nozzle.
- ⚠ Never touch the nozzle of SPARKULAR[®], danger of getting burnt
- ⚠ Never touch the sparks which shooting out from the nozzle

Safety Distance

- ⚠ Keep audience and flammable material at a minimum distance of 1m from SPARKULAR[®] mini.
- ⚠ Make sure sparks shoot out from SPARKULAR[®] mini can NOT touch any objects. And keep a clearance with minimum 1m from the setting maximum effect height.
- ⚠ In windy environment, increase the safety distance according to the wind direction and speed.
- ⚠ The safety zone area changes accordingly when machine installed in tilt position. Please increase the safety distance in the direction which machine tilt.
- ⚠ Sparks and consumables from the machine can lead to serious eye injury. Always wear safety goggles when enter the safety zone.



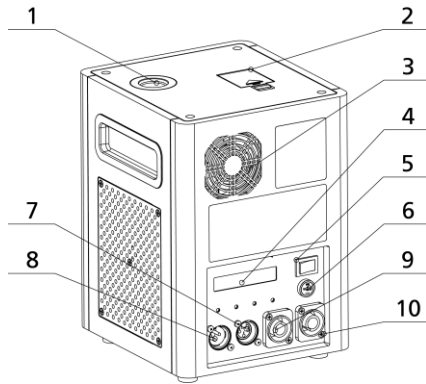
Δ Description

SPARKULAR[®] mini is an affordable sparks solution based on SPARKULAR[®] platform, it is with fixed sparks effects at around 2-3m. Equipped with wireless remote and DMX double control ensure the versatile use for wedding, party, clubs, cruise ships etc. venues and stages.

Δ Technical Specifications

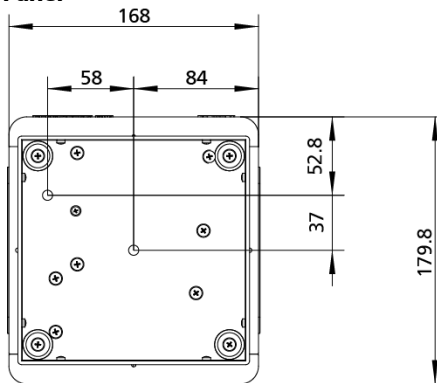
- \ **MODEL:** BT06/BT07
- \ **DIMENSION:** 168×180×228mm
- \ **WEIGHT:** 4.5kg
- \ **VOLTAGE:** 220V(BT06)/110V(BT07), 50/60Hz
- \ **WORK POWER:** 380W
- \ **EFFECT HEIGHT:** 2-2.5m (HC8200 MEDIUM), 3-3.5m (HC8200 LARGE)
- \ **INTERFACE:** 3-pin XLR, POWER IN/OUT
- \ **CONTROL:** DMX 2 channels, Wireless Remote

Δ Structure of SPRKULAR[®] mini



1. Output Nozzle
2. Feeding Hopper Lid
3. Cooling Fan
4. LCD Screen
5. Power Switch
6. Fuse
7. DMX OUT
8. DMX IN
9. POWER IN
10. POWER OUT

Diagram of Bottom Panel



Δ Operation Panel

1. LED display area



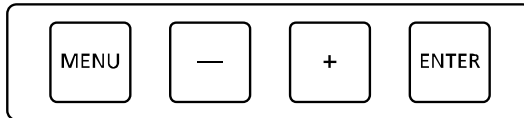
READY: After turn on machine, it will automatically preheat around 5 minutes, when the "READY" green light turns from flashing into long on, indicates that the machine is ready to work.

DMX: Flashing shows that DMX signal is connected, otherwise is without signal

FAULT: When any malfunction, the indicate light turn on

HEAT: When the machine is heating, signal light turn on

2. Control button area



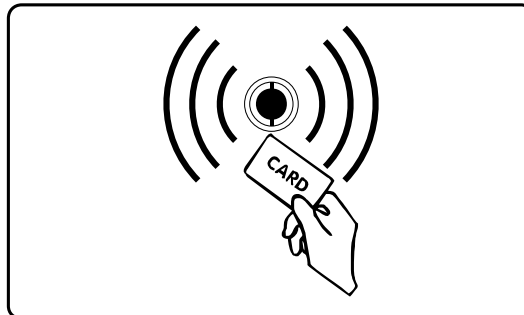
MENU: Short press to switch interface, press and hold for 3 seconds can switch to the advanced setup interface

-: Parameters down

+: Parameters up

ENTER: Confirm and save parameters.

3. RFID area



Composite Ti with RFID card, swiping cards used to identify parameters and types of granules. The RFID card is disposable, one card can only use one time.

Δ Interface

1. Main Interface

| | |
|--------------------|--------------|
| DMX Address | 1 |
| 210 ■■■ | 07.24 |

First line: Display DMX address is "1"

Second line: Display the present inner core temperature and the temperature progress bar; isplaying remaining time is 7 minutes and 24 seconds

2. Error Information

| Error information | Explanation |
|-------------------|---|
| E0 System IC | Systematic error |
| E2 Temp. Sensor | Temperature sensor is not connected or damage |
| E3 P Temp. Over | Chassis over-temperature |
| E4 Time Remain | Insufficient granules or remaining time, please swiping time card |
| E5 K Temp. Over | Heating chamber over-temperature |
| E6 Heat Fail | Heating failed |
| E7 Tip Over | Machine slant over 45 degrees. |

3. Setting Menu

Press "MENU" to enter the Setting interface, press the "MENU" button to enter different options until you return to the main interface

| Options | Range | Default | Explanation |
|------------------|--------|---------|---|
| Set DMX Address | 1-512 | 1 | Set the DMX address, machine become a wireless host and can send out DMX signal when its address is "1++" |
| Wireless Control | ON/OFF | ON | Wireless function switch, you can match machine with remote controller when at "ON" status |
| Manual Fountain | ON/OFF | OFF | Manual fountain switch , for testing purposes only |

4. Advanced Menu

Press and hold "MENU" for 3 seconds to enter the advanced setup interface, press MENU key to enter different options, wait 3 seconds to return to the main interface.

| Options | Range | Default | Explanation |
|-----------------|--------------|-----------|--|
| Set Temperature | 480-620 | 550 | Setup inner Core temperature |
| Auto Heat | ON/OFF | ON | Auto preheat function switch after turn on machine |
| Density | 70-100 | 90 | Adjust the sparks density |
| Mode Selection | Factory Mode | User Mode | Factory Mode is factory debugging mode, |

| | | | |
|-------------------|-------------------------|---------------|--|
| | User Mode | | User Mode is using mode |
| DMX Channel Mode | 2 / 4 / 2+3 DMX Channel | 2 DMX channel | Don't change. 4 DMX Channel and 2+3 DMX Channel are for special use. |
| Tip Over Error | ON/OFF | ON | Tilt function switch |
| Default Parameter | | | Useless |
| Standby Switch | ON/OFF | OFF | When ON, the machine can firing only when heating up was finished |

5. DMX Mode

When using the DMX controller, the system takes 2 channels

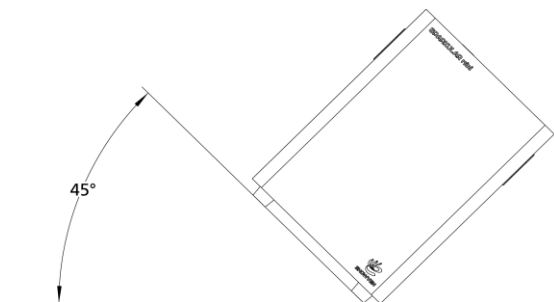
| The First channel | Functions |
|--------------------|----------------|
| 0-15 | Fountain OFF |
| 16-255 | Fountain ON |
| The second channel | Functions |
| 60-80 | Clear Material |
| 20-40 | Emergency Stop |
| 0-10 | Pre-heat OFF |
| 240-255 | Pre-heat ON |

If use together with HOST CONTROLLER ZK6200/6300, each unit of SPARKULAR[®] must use different DMX address, otherwise it may leads to signal interference.

Δ Operation Guide

1. Install SPARKULAR[®] mini

- Horizontal installation is preferred for SPARKULAR[®] mini. If need to installed SPARKULAR[®] mini in angles, please turn the Tip over to OFF status first, maximum firing angle is 45 ° and can only be angled to the right side as below picture.
- Make sure the machine is securely installed to avoid tipping.
- The safety zone area shifts accordingly when machine installed in tilt position. Please increase the safety distance in the direction which machine tilt.
- Check carefully the output nozzle of each machine, make sure the output nozzle is in good shape and there is no powder aggregate.



2. Fill SPARKULAR[®] mini

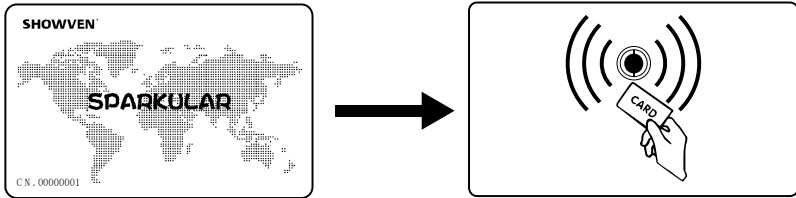
- Open powder bags and fill the feeding hopper. Hopper capacity of SPARKULAR[®] mini is 100g.
- Choose correct consumable according to the application scenario. HC8200 LARGE will have some sparks drop on ground, suggest HC8200 MEDIUM or SMALL for indoor use.
- Maximum effect height for HC8200 LARGE is 3.5m, HC8200 MEDIUM is 2.5m.
- Make sure the lid of hopper is locked tight after filling.

3. Connect Power / DMX cable

- Connect a power cable to the POWER IN socket of SPARKULAR[®] mini. Connect the other end of power cable to the power source. Make sure power supply is consistent with the rated voltage of the equipment, and the socket must well grounded.
- If connect machine in sequence, please connect a power link cable to the POWER OUT of previous machine, connect the other end of the power link cable to POWER IN of the next machine.
- The SPARKULAR[®] mini power supply cable maximum allowed cascade is 6 units (220V version) / 3pcs (110V version). Do not connect exceed units to a single electrical circuit.
- Power ON all SPARKULAR[®] mini.
- Assign DMX address for each unit of SPARKULAR[®] mini. If use SHOWVEN host controller or FXcommander to control the machine please allocate a unique DMX address for each unit of machine.
If use remote controller to control SPARKULAR[®] mini wirelessly, please set machine to wireless ON status and match machine with remote controller. For DMX cable control please execute below operations (f to h).
- Connect a DMX cable to the DMX IN socket of first unit of SPARKULAR[®] mini, connect the male connector end of DMX cable to your DMX controller (FXcommander, HOST CONTROLLER, light console etc).
- Connect a DMX cable to the DMX OUT of previous machine, and the other end of to the DMX IN of next machine. Connect all devices in series in this way.
- Suggest to plug in a DMX terminator into the DMX OUT in last unit of machine to improve signal reliability. Signal amplifier is required for long distance (>200m) DMX signal transmission.

4. Activate SPARKULAR[®] mini machine by swipe RFID card

- a) Swipe an RFID card. Read the card as show below. SPARKULAR[®] mini shows time remain if read successfully.
- b) SPARKULAR[®] mini report E4 when remaining time is less than 8 minutes.
- c) Please note each RFID card come with 50g package HC8200 can increase single machine 4min working time, the maximum recharge time for SPARKULAR[®] mini is 30min, when time remain reached 30min, it can't recharge anymore RFID card.



5. Programming and Firing

- a) Programming SPARKULAR[®] mini, set the firing height, firing sequences etc.
- a) Heating up machine, it takes around 5min. it varies according to the voltage and environment temperature.
- b) Make sure the prescribed safety zone is clear.
- c) Suggest to clear material before firing.
- b) Firing. In order to prevent overheat in the heating chamber and protect machine, the maximum continuous firing time for SPARKULAR[®] mini is 30s.
- c) The operator should always have a clear view of the device, so that he/she can stop the show immediately when there is danger.
- d) Clear material for SPARKULAR[®] mini for 5s after show, clear material will remove the remaining particles from heating chamber. For angled installation please elongate clear material time.

6. Turn off and Clean up

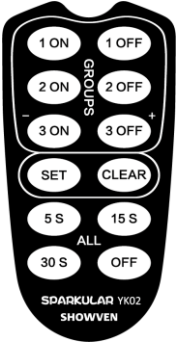
- a) Power off SPARKULAR[®] mini, allow SPARKULAR[®] mini to cool down.
- b) Disconnect all POWER and DMX cables.
- c) Empty the remaining HC8200 in hopper, and store the remaining HC8200 in a dry sealed bottle for next time use. Never touch the output nozzle of SPARKULAR[®] mini when empty the hopper. DANGER OF GET BURNT!
- d) Operators can use handheld vacuum cleaner to empty the feeding hopper. Do make sure the machine was cool down when clean it. Do NOT use high-power vacuum cleaners to avoid hot consumables being sucked into the vacuum cleaner from the heating chamber and cause fire.
- e) Clean the surroundings to remove powder residues.

Δ Wireless Control Information

1. Wireless remote control mode:

**Wireless Control
ON**

When use wireless remote control, please unplug DMX cable connection on machine, set Wireless Control at ON status, match the remote controller with machine, pull out the antenna on remote controller.

| | | | | |
|-------------|-------------------------------|--------------|------------------------------|--|
| 1 ON | DMX address "1" ON | 1 OFF | DMX address "1" OFF |  |
| 2 ON | DMX address "3" ON | 2 OFF | DMX address "3" OFF | |
| 3 ON | DMX address "5" ON | 3 OFF | DMX address "5" OFF | |
| SET | Match the machine with remote | CLEAR | Clean material for 3 seconds | |
| 5 S | All firing 5s | 15 S | All firing 15s | |
| 30 S | All firing 30s | OFF | All stop | |

NOTE:

- When the indicator light becomes weak on the remote controller, please replace the battery. The battery type is 12V23A.
- When the machine is occasionally not working, may be caused by interference, please press the start button again.
- Wireless control is easily influenced by interference, suggests to stay as close to machine as possible when use remote controller, and machines cannot use metal shielding

3. Wireless host SPARKULAR[®] mini mode (requires communication cables)

- In occasion of strong interference, using the wireless host can avoid interference, ensure stable control.
- Set the first unit of SPARKULAR[®] mini DMX address into "1+", this machine address is "1", but it can also output DMX signal and turns into wireless host SPARKULAR[®] mini.
- Use communication cables to connect all SPARKULAR[®] minis, the host SPARKULAR[®] mini will receive the signal from remote controller and transfer to all other SPARKULAR[®] mini via communication cable to realize stable signal transmission.

Δ **Maintenance**

- a) Empty the feeding hopper before shipment of machine.
- b) Empty the feeding hopper if long time not use, for high humidity environment we suggest to empty feeding hopper after show.
- c) Clear material both before and after the show for SPARKULAR® mini.
- d) Recommended to wash or replace the air intake filter every two months.

Δ **Warranty Instructions**

- \ Sincere thanks for your choosing our products, you will receive quality service from us
- \ The product warranty period is one year. If there are any quality problems within 7 days after shipping out from our factory, we can exchange a brand new same model machine for you.
- \ We will offer free of charge maintenance service for machines which with hardware malfunction (except for the instrument damage caused by human factors) in warranty period. Please don't repair machine without factory permission

Below situations NOT included in warranty service:

- \ Damage caused by use other type of consumable which is not from SHOWVEN® or SHOWVEN® authorized distributor.
- \ Damage caused by improper transportation, usage, management, and maintenance, or damage caused by human factors;
- \ Disassemble, modify or repair products without permission;
- \ Damage caused by external reasons (lightning strike, power supply etc.)
- \ Damage caused by improper installation or use;

For product damage not included in warranty range, we can provide paid service.

Invoice is necessary when applying for maintenance service from SHOWVEN®.

SHOWVEN[®]



Showven Technologies Co., Ltd.

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Web: www.showven.cn E-mail: info@showven.cn

Add: No.1 Tengda Road, Liuyang Economic & Technical Development Zone, 410300, Changsha,
Hunan, P.R.China



SHENZHEN YARUI TESTING CO., LTD.

6 Floor Baowen Building, Baole New Village, Xixiang Yantian, Bao'An District, Shenzhen City
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Material Safety Data Sheet

Applicant.....: GUANGZHOU MOLI STAGE EQUIPMENT CO.,LIMITED
Address of applicant.....: NO.388 TIANNAN ROAD,JIANG GAO TOWN,
BAIYUN DISTRICT,GUANGZHOU,CHINA
Product name.....: MOKASFX Cold Spark Special Effect Fountain Particles
Model No.....: MK-E11A
Composition/Ingredient of The Sample.....: See Section 3 on the MSDS
Service Requested.....: Material Safety Data Sheet (MSDS) for the sample with submitted composition.
Summary.....: As per request, the contents and formats of the MSDS are prepared in accordance with Regulation (EC) No 1907/2006, 1272/2008, Regulation (EU) No 2015/830 and are provided per attached.
Testing Laboratory.....: SHENZHEN YARUI TESTING CO., LTD.
Address.....: 6 Floor Baowen Building, Baole New Village,
Xixiang Yantian, Bao'An District, Shenzhen City
Report Reference No.....: YRT201804254S
Date of issue.....: April 26, 2018

Tested by (name+ signature).....: Tommy Zhong

Compiled by (name+ signature)...: David Wang

Approved by (name+ signature)...: Jack Yu



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: MOKASFX Cold Spark Special Effect Fountain Particles

Model No.: MK-E11A

Registration number: Data not available

1.2 Relevant identified uses of the substance or mixture and uses advised against on

Application of the substance/ mixture: Material of corrosion-resisting alloy, flash, fireworks and chemical reagent.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GUANGZHOU MOLI STAGE EQUIPMENT CO.,LIMITED

NO.388 TIANNAN ROAD,JIANG GAO TOWN,BAIYUN DISTRICT,GUANGZHOU,CHINA

Tel: 18998818260

Email: wison@mokalighting.com

Only Representative/other EU contact point: Not special country, data not available

Further information obtainable from: GUANGZHOU MOLI STAGE EQUIPMENT CO.,LIMITED

1.4 Emergency telephone number

wison

15920591696

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to regulation (EC) 1272/2008:

The product is not classified according to CLP Regulation

Classification system:

The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.

2.2 Label elements · Labeling according to Regulation (EC) No 1272/2008: The product is labeled according to CLP regulation. ·

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

Precautionary statement: Not applicable

SPECIAL RULES FOR SUPPLEMENTAL LABEL ELEMENTS FOR CERTAIN MIXTURES

EUH210 -‘Safety data sheet available on request’.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

VPvB: Not applicable

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SECTION 3: Composition/information on ingredients

3.1 Chemical characterization: Mixture

Description:

Mixture of the substances listed below with nonhazardous additions; For the wording of the listed risk phrases refer to section 16.

Component:

| | | |
|---|---|------|
| CAS No.: 7440-32-6 EC No.: 231-142-3 | Titanium substance with a Community workplace exposure limit | 75% |
| CAS No.: 7440-67-7 EC No.: 231-176-9 | Zirconium(stabilised) substance with a Community workplace exposure limit | 20 % |
| CAS No.:13463-67-7 EC No.:236-675-5 | Titanium dioxide substance with a Community workplace exposure limit | 5% |

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: If exposure and feel unwell, consult doctor.

After inhalation: Supply fresh air. If feel unwell, get medical advice/attention.

After skin contact: Wipe off with dry towel, then wash skin with water. If skin irritation happens: Get medical advice/attention.

After eye contact: Rinse eyes with running water. Get medical advice/attention immediately.

After swallowing: Rinse mouth. If feel unwell, get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed: There are not any known symptoms and effects normally.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, chemical dry powder, alcohol-resistant foam. Do not use water.

5.2 Special hazards arising from the substance or mixture: May produce irritant dust under fire.

5.3 Advice for firefighters

Protective equipment: Mouth respiratory protective device.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Collect spillage timely; Ensure well-ventilation; Avoid breathing the dust; Prevent contact with eyes; Keep away from water.

6.2 Environmental precautions: Do not allow large quantities of the product to enter sewers/surface or ground water; Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up: Ensure good ventilation; Pick up mechanically; Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections: See section 7 for information on safe handling; See section 8 for information on personal protection equipment; See section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling: Ensure well-ventilation; Avoid breathing the dust; Prevent contact with eyes and skin; Keep away from water.

Information about fire and explosion protection: Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any non-compatibility

Requirements to be met by storerooms and receptacles: Store in a dry and well-ventilation place.

Information about storage in one common storage facility: Keep away from acid and water.

Further information about storage conditions: Store locked up.

7.3 Specific end use(s): Material of corrosion-resisting alloy, flash, fireworks and chemical reagent.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

| Country | Limit value - Eight hours | Limit value - Short term |
|---------------------------------------|--|---------------------------------|
| 7440-32-6 Titanium (75%) | | |
| Latvia | 10 mg/m ³ | - |
| 7440-67-7 Zirconium(stabilised) (20%) | | |
| Finland | 1 mg/m ³ | - |
| 13463-67-7 Titanium dioxide (5%) | | |
| Belgium | 10 mg/m ³ | - |
| Denmark | 6 mg/m ³ total dust | 10 mg/m ³ total dust |
| France | 11 mg/m ³ Inhalable aerosol | - |
| Ireland | 10 mg/m ³ Inhalable fraction; 4 mg/m ³ Respirable fraction | - |
| Latvia | 10 mg/m ³ | - |
| Poland | 10 mg/m ³ | 30 mg/m ³ |
| Spain | 10 mg/m ³ inhalable aerosol | - |

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| | | | |
|------------------------------------|--|--------------------------|----------------------------|
| Sweden | 5 mg/m ³ inhalable aerosol | - | |
| United Kingdom | 10 mg/m ³ inhalable aerosol; 4 mg/m ³ respirable aerosol | - | |
| DNEL type | | DNEL worker value | DNEL consumer value |
| 13463-67-7 Titanium dioxide | | | |
| Local effects | Long-term, inhalation exposure | 10 mg/m ³ | - |
| Systemic effects | Long-term, oral exposure | - | 700 mg/kg bw/day |
| PNEC type | | Value | |
| 13463-67-7 Titanium dioxide | | | |
| PNEC aquatic, freshwater | | 184 µg/L | |
| PNEC aquatic, intermittent release | | 193 µg/L | |
| PNEC aquatic, marine water | | 18.4 µg/L | |
| PNEC sewage treatment plant | | 100 mg/L | |
| PNEC sediment, freshwater | | 1000 mg/kg sediment dw | |
| PNEC sediment, marine water | | 100 mg/kg sediment dw | |

Additional information: The lists valid during the marking were used as basis.

8.2 Exposure controls

Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work; See section 7 for information about design of technical facilities.

Personal protective equipment

Respiration protection: In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

Eye protection:



Safety glasses

Protective goggles with side-shields.

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

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SECTION 9: Physical and chemical properties

| 9.1 Information on basic physical and chemical properties | |
|--|--|
| · Appearance: | |
| Form | <i>Particle</i> |
| Color | <i>Grey</i> |
| Odor | <i>Odorless</i> |
| Odor threshold | <i>Data not available</i> |
| · pH-value | <i>Not applicable</i> |
| · Change in condition | |
| Melting point/melting range | <i>>1600°C</i> |
| Boiling point and boiling range | <i>>3200°C</i> |
| · Freezing point | <i>Data not available</i> |
| · Flash point | <i>Not applicable</i> |
| · Flammability | <i>Not flammable solid</i> |
| · Decomposition temperature | <i>Data not available</i> |
| · Self-ignition | <i>Product is not self-igniting.</i> |
| · Danger of explosion | <i>Product does not present an explosion hazard.</i> |
| · Explosion limits | |
| Lower: | <i>Not explosive</i> |
| Upper: | <i>Not explosive</i> |
| · Oxidizing properties | <i>Data not available</i> |
| · Vapor pressure | <i>Data not available</i> |
| · Density | <i>Data not available</i> |
| · Relative density | <i>Data not available</i> |
| · Vapor density | <i>Data not available</i> |
| · Evaporation rate | <i>Data not available</i> |
| · Solubility in/Miscibility with | |
| Water | <i>Insoluble in water</i> |
| · Partition coefficient (n-octanol/water) | <i>Data not available</i> |
| · Viscosity | |
| Dynamic | <i>Not applicable</i> |
| Kinematic | <i>Not applicable</i> |
| · 9.2 Other information | <i>Data not available</i> |

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SECTION 10: Stability and reactivity

- 10.1 **Reactivity:** No decomposition if used according to specification.
- 10.2 **Chemical stability:** Stable under recommended storage conditions.
- 10.3 **Possibility of hazardous reactions:** No further relevant information available.
- 10.4 **Conditions to avoid:** Moisture.
- 10.5 **Incompatible materials:** Strong oxidizing agent, acid and water.
- 10.6 **Hazardous decomposition products:** No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification: No animal test has been done for this product.

| | | |
|--|------------------------------|-----------------------|
| 13463-67-7 Titanium dioxide | | |
| Rat | LD50-oral LC50-inhalation | >20000mg/kg >6.82mg/L |
| Rabbit | LD50-skin | >10000mg/kg |
| Remark: The above data is from literature. | | |

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eyes damage/ irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Not hazardous to the aquatic environment.

| | |
|--|---|
| 13463-67-7 Titanium dioxide | |
| Short-term toxicity to fish | LC50 (14 days) 1 - 1.1 mg/L NOEC (14 days) 870 - 1 100 µg/L |
| Short-term toxicity to aquatic invertebrates | EC50 (48 h) 19.3 - 33.6 mg/L LC50 (48 h) 500 mg/L |
| Long-term toxicity to aquatic invertebrates | NOEC (21 days) 1.72 - 2.92 mg/L |
| Toxicity to aquatic algae and cyanobacteria | EC50 (72 h) 100 mg/L NOEC (32 days) 1 mg/L |

12.2 Persistence and degradability: Inorganic substance

12.3 Bio-accumulative potential: Data not available

12.4 Mobility in soil: Data not available

12.5 Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

12.6 Other adverse effects: No further relevant information available.

12.7 Additional ecological information

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General notes: Water hazard class 1 (German Regulation) (self-assessment): Slightly hazardous for water. Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration

13.1 Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Recycle it.

13.2 Un-cleaned packaging

Recommendation: Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

| | |
|--|--|
| · 14.1 UN-Number ADR, IMDG, IATA | Not regulated as dangerous transport goods, not applicable |
| · 14.2 UN proper shipping name ADR, IMDG, IATA | Not applicable |
| · 14.3 Transport hazard class (es) ADR, IMDG, IATA Class Label | Not applicable Not applicable |
| · 14.4 Packing group ADR, IMDG, IATA | Not applicable |
| · 14.5 Marine pollution | No |
| · 14.6 Special precautions for user | Not applicable |
| · 14.7 UN "Model Regulation" | - |

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture MAK (German Maximum Workplace Concentration):

| | | |
|------------|------------------|----|
| 13463-67-7 | Titanium dioxide | 3A |
|------------|------------------|----|

Directive 2012/18/EU · Named dangerous substances-ANNEX I: None of the ingredients is listed. ·

National regulations.

Water hazard class: Water hazard class 1 (German Regulation) (self-assessment): Slightly hazardous for water. ·

Other regulations, limitations and prohibitive regulations

SVHC Candidate list of REACH Regulation Annex XIV Authorization: None of the ingredients is listed. ·

REACH Regulation Annex XVII Restriction: None of the ingredients is listed. ·

SHENZHEN YARUI TESTING CO., LTD.

Address: 6 Floor Baowen Building, Baole New Village, Xixiang Yantian, Bao'An District, Shenzhen City
 Tel.: +86-755-27912080 Fax.: +86-755-27916936 Website: www.yarui-lab.com

REACH Regulation Annex XIV Authorization List: None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

NOEC: No observed effect concentration

LOEC: Lowest observed effect concentration

EC50: Concentration of maximal effect, 50 percent

Skin Irrit. 2: Skin corrosion/irritation, hazard category 2

Eye Irrit. 2: Eye damage/irritation, hazard category 2

---END---

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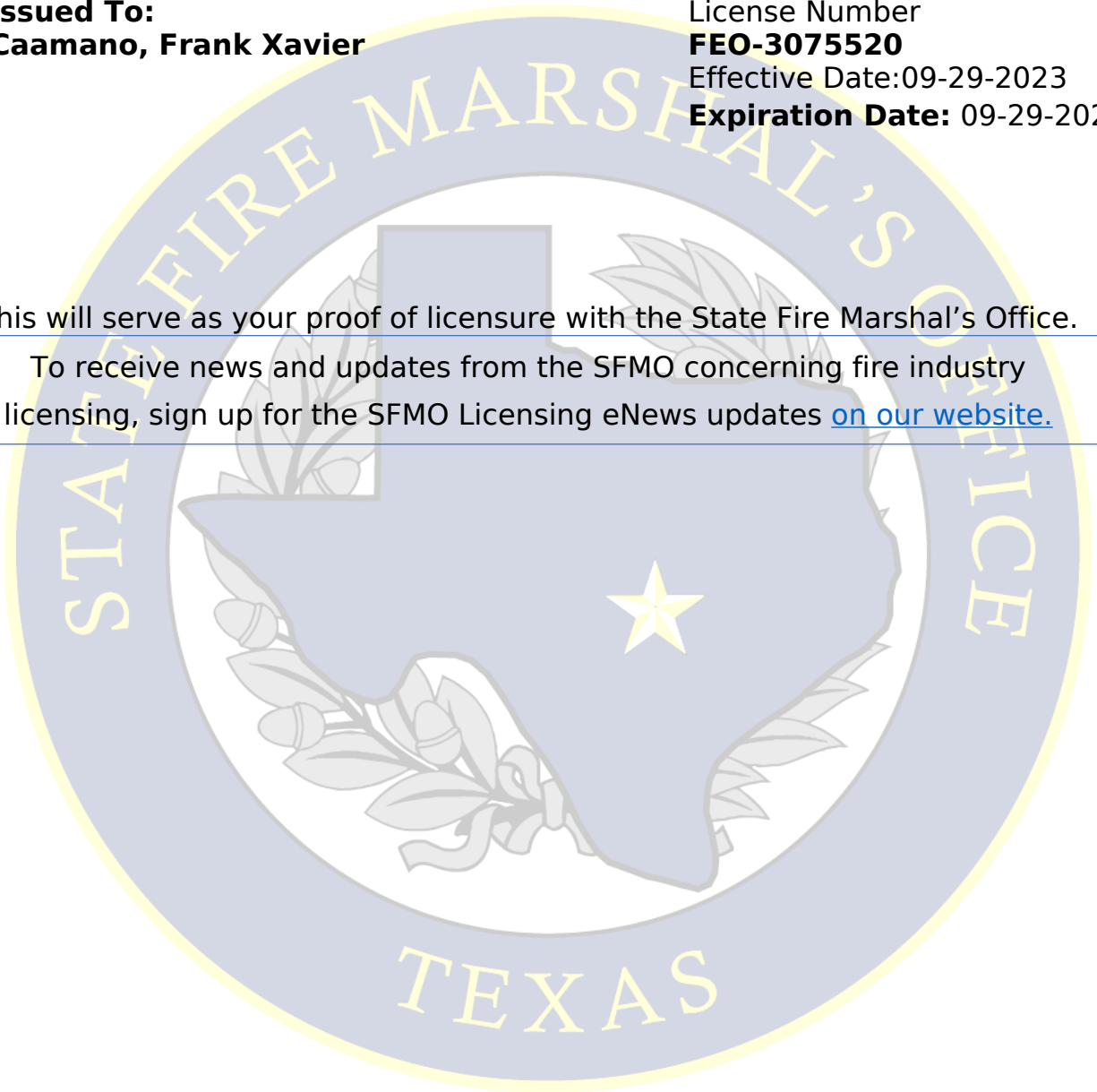
**FIREWORKS FLAME EFFECTS OPERATOR'S LICENSE
TEXAS DEPARTMENT OF INSURANCE
STATE FIRE MARSHAL'S OFFICE**

Issued To:
Caamano, Frank Xavier

License Number
FEO-3075520
Effective Date:09-29-2023
Expiration Date: 09-29-2025

This will serve as your proof of licensure with the State Fire Marshal's Office.

To receive news and updates from the SFMO concerning fire industry licensing, sign up for the SFMO Licensing eNews updates [on our website.](#)



DRAYTON INSURANCE BROKERS, INC.

2500 CENTER POINT ROAD, SUITE 301
BIRMINGHAM, ALABAMA 35215
PHONE: (205) 854-5806
FAX: (205) 854-5899

POST OFFICE BOX 94067
BIRMINGHAM, ALABAMA 35220
EMAIL: dib@draytonins.com

CERTIFICATE OF INSURANCE

NO. 460838

We certify that insurance is afforded as stated below. This Certificate does not affirmatively or negatively amend, extend or alter the coverage afforded by the insurance policy and the insurance afforded is subject to all the terms, exclusions and conditions of the policy.

INSURER Admiral Insurance Company **POLICY NO.** CA000003209-34-1152

NAMED INSURED Roar Over Texas, Inc.
9734 Tucker Cypress Drive
Houston, Texas 77095

POLICY TERM May 8, 2024 to May 8, 2025; Both Days 12:01 A.M. Standard Time

COVERAGE Fireworks Display Contractors Liability: Occurrence Basis Claims Made Basis

LIMIT OF LIABILITY \$ 1,000,000 each occurrence, \$ 2,000,000 general aggregate
The limit of liability shall not be increased by the inclusion of more than one insured or additional insured.

RESTRICTION This policy applies only to displays which comprise solely Class "C" Fireworks (Explosives Classification 1.4), pyrotechnics special effects (including indoor pyrotechnics), propane, open flame effects, lasers and other non-pyrotechnic special effects. Excluding the use of Class "B" fireworks (Explosives Classification 1.3).

INSURED OPERATIONS Public fireworks display and special effects contractor

It is certified that, if named below, this policy includes as Additional Insureds 1) the sponsor(s), promoter(s), organizer(s) (including other entities having similar interests), of insured pyrotechnic events and/or 2) the owner(s) of real property (or barges) at which insured pyrotechnic events are held and/or 3) the owner(s), manager(s), tenant(s), mortgagee(s) (including other entities having similar interests), of buildings, stadiums, arenas and similar facilities at which insured pyrotechnic events are held and/or 4) the licensing or permitting authority, or other authority having jurisdiction, issuing licenses/permits for insured pyrotechnic events and/or 5) any other entity for which the insurance is required to be afforded under written contract. Coverage applies only as respects the legal liability of such Additional Insured(s) for bodily injury and property damage caused by the operations of the Named Insured. The insurance afforded any Additional Insured does not include coverage for any bodily injury or property damage arising from the failure of such Additional Insured to fulfill its obligations specified in its contract with the Named Insured.

**NAME(S) OF
ADDITIONAL INSURED(S)**

City of Tomball

DISPLAY LOCATION
Boxwood Manor
945 E Hufsmith Rd
Tomball, TX 77375

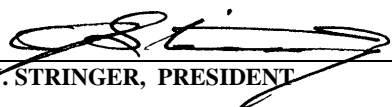
DISPLAY DATE(S)
10/05/2024

It is certified that this policy requires a 30 day mutual notice of cancellation between the Insurer and the Named Insured. In the event of such cancellation we will endeavor to mail 10 days written notice to the Additional Insured(s), whose name and address is shown hereon, but failure to mail such notice shall impose no obligation or liability of any kind upon the insurer and/or the undersigned.

DRAYTON INSURANCE BROKERS, INC.

August 23, 2024

DATE OF ISSUE



A.J. STRINGER, PRESIDENT



Timeline
Primary
Michelle & Daniel's Wedding
October 5th, 2024

WEDNESDAY, OCTOBER 2ND

10:00 am Michelle & Dan Check In at the Hotel

FRIDAY, OCTOBER 4TH

3:00 pm Guests Checks in at the Hotel

5:00 pm Wedding Party Rehearsal

5:45 pm Ceremony Rehearsal Concludes

6:00 pm Rehearsal Dinner at Sixty Vines Woodlands

ADDRESS:

SATURDAY, OCTOBER 5TH

10:00 am Venue opens for set up

LOCATION: Boxwood Manor

ADDRESS: 945 E Hufsmith Rd, Tomball, TX 77375

All tables and chairs set based on diagram

Please set chairs per table according to this list:

- *Sweetheart Table*

- *Table 1*
- *Table 2*
- *Table 3*
- *Table 4*
- *Table 5*
- *Table 6*
- *Table 7*
- *Table 8*
- *Table 9*
- *Table 10*

| | |
|-----------------|---|
| 10:00 am | Vendor I Arrive for set up <ul style="list-style-type: none"> • Glaiza Artistry, Hair & Makeup Artists • Houston Soiree, Planners • EB Events, Linen Rentals • Secret Floral Garden, Lounge |
| 10:00 am | Bridesmaids arrive at getting ready location |
| 10:15 am | Hair and Makeup Begins |
| 12:00 pm | Groomsmen arrive at getting ready location |
| 12:00 pm | Lunch Available for wedding party Venue to have Chick-fil-A set up |
| 12:00 - 1:00 pm | Vendor II Arrive for Set up <ul style="list-style-type: none"> • Mustard Seed Photography • Kim Events, Florist |
| 1:00 pm | Mustard Seed Photography Coverage Begins 10 Hours Coverage, 2 Photographer |
| 2:00 - 3:00 pm | Vendor III Arrive for Set up <ul style="list-style-type: none"> • Cafe Natalie, Catering • Mast Wedding Films, Cinematographer • Dolce Design, Cake • Unique Style Production, DJ |
| 2:00 pm | Groom and groomsmen dressed and ready |

| | |
|----------------|---|
| 2:30 pm | All Hair and makeup complete |
| 2:40 pm | Bride gets dressed |
| 2:45 pm | Bridesmaids dressed and ready |
| 3:00 pm | Pre-Ceremony Photos Begins |
| 3:00 pm | Jesse with Mast Wedding Films Cinematography Coverage Begins 8 Hour Coverage, 1 videographer, aerial drone |
| 3:00 pm | Bride and Groom First Look |
| 3:15 pm | Quick Rehearsal with Wedding Party |
| 4:15 pm | DJ Completes sound check |
| 4:30 pm | All ceremony details set for guest arrival HS to confirm |
| 4:30 pm | Officiant Arrive PHONE # DJ to pin lapel mic, HS to confirm |
| 5:00 pm | Earliest guest arrival 56-Shuttle arrive with guests from Courtyard By Marriott Houston NW SHUTTLE AVAILABLE UPON REQUEST |
| 5:30 pm | Ceremony Begins, Chapel |
| 5:30 - 6:30 pm | Vendor III Arrive for set up <ul style="list-style-type: none"> • HTX Photo Booth <ul style="list-style-type: none"> ◦ 4 Hour Service (7pm-11pm) ◦ Props ◦ 1 Attendant • Fellowship Coffee Company <ul style="list-style-type: none"> ◦ X • Roar Over Texas <ul style="list-style-type: none"> ◦ 6 Cold Sparks |

| | |
|---------|---|
| 6:00 pm | Cocktail Hour Begins, Outside |
| 6:10 pm | Couple Portraits Begin Wedding Party and families to join cocktail hour |
| 6:10 pm | Post Ceremony Photos Begins |
| 6:40 pm | Couple to join Cocktail Hour Have apps & drinks ready for the bride and groom |
| 7:00 pm | Reception Begins HS to usher guests Guests are seated for dinner Photo Booth Opens |
| 7:10 pm | Bridal Party Introductions Walking by Groups DJ to announced First Name <ol style="list-style-type: none"> 1. Bridal Party SONG: <ul style="list-style-type: none"> ◦ Kevin, Margaret, Tiffany, Christine, Annie, Laban 2. Grooms Party SONG: <ul style="list-style-type: none"> ◦ Hyeong, Jae, John, Nate, Selin, |
| 7:11 pm | Sunset |
| 7:15 pm | Newlywed Introduction SONG: INTRODUCED AS "Michelle & Dan" **Sparklers to go off** |
| 7:18 pm | First Dance SONG: **Sparklers to go off** |
| 7:20 pm | Father and Daughter Dance SONG: Father of the bride: SC **Sparklers to go off** |
| 7:25 pm | Mother and Son Dance SONG: |

Mother of the groom: Diana

****Sparklers to go off****

| | |
|-----------------|--|
| 7:28 pm | Welcome Speech and Thank you by Newlywed |
| 7:30 pm | Dinner Service Begins |
| 7:40 pm | Speeches HS to have champagne ready for the speaker DJ to have wireless mic Bride to have sparkling wine, champagne for groom <ul style="list-style-type: none">• Father of the Bride, SC• Father of the Groom, Susu• Man of Honor, Kevin• Best Man, Hyeong |
| 8:30 pm | HS to prep the LED Dance floor props |
| 8:40 pm | Cake Cutting SONG: Save the top tier Y/N? Yes |
| 8:40 - 9:00 pm | Table to Table Photos |
| 9:00 pm | Dance Floor Opens SONG: HS to pass LED wands |
| 9:00 pm | HS to prep for Faux Exit and gather Wedding Party/Families |
| 9:30 pm | Faux Exit with Cold Sparks & Wedding Party **Sparklers to go off** |
| 10:00 pm | Roar Over Texas Departs |
| 10:00 pm | HS to prep Exit Items |
| 10:30 pm | Bar Last Call |
| TBD | Sams Limousine ready for last departure |

10:50 pm Everyone's Last Dance
SONG:
DJ to invite all guests to line up outside for grand exit
HS to hand off exit items

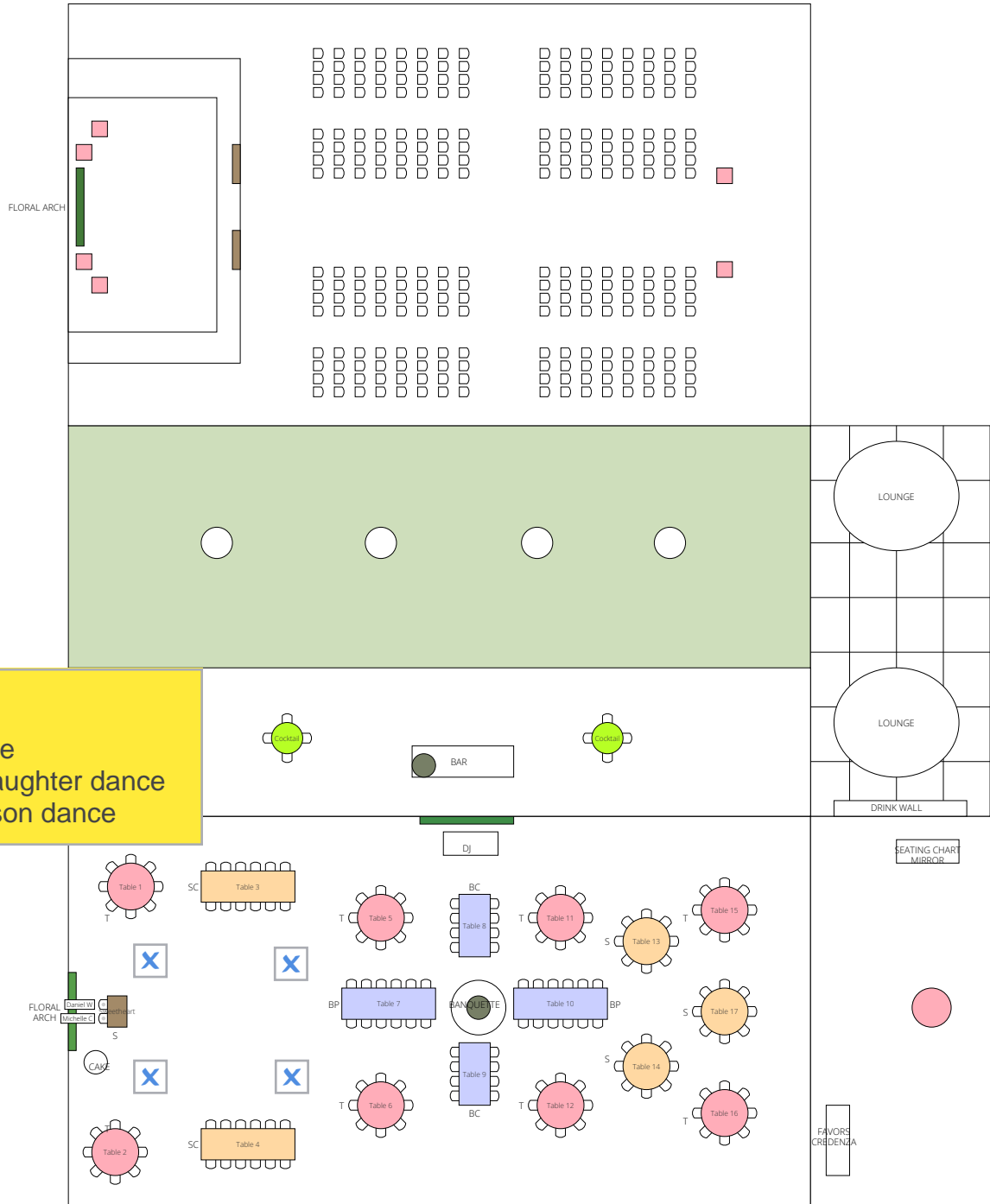
10:55 pm Private Last Dance
SONG:

11:00 pm Newlywed send off
EXIT ITEMS:
Handheld Sparklers

Couple to hop on the shuttle along with the guests

11:05 pm Breakdown Begins
Margaret, Bridesmaid: 361-549-4916

11:59 pm All clean up and breakdown complete



6 ft tall cold sparks.

10 ft safety distance from spectators.

Safety personnel will have direct line of sight of operations.

Emergency procedure for fire is to extinguish with dry chem extinguisher and notify authorities.

Shoot times:
 7:15- intro
 7:18- 1st dance
 7:20- father/daughter dance
 7:25- mother/son dance

Shoot times:
 9:30pm- Faux exit (with family and wedding party)