

# **Zambelli**

FIREWORKS

## **FIREWORKS PROPOSAL TOWN OF DUNDEE, FL. JULY 4, 2025**



Fireworks proposal prepared by  
Ernie Simmons

Operations Manager

(863) 287-9168

[epsimms@aol.com](mailto:epsimms@aol.com)



## **Display Overview**

**Town of Dundee**

**Budget \$20,000.00**

**Insurance Liability Coverage:** \$10 Million dollars (per show coverage) for each Fireworks Display. Zambelli uses the highest insurance premium in the industry

**Permit/Fire Dept:** Zambelli Fireworks will secure all needed permits (unless otherwise specified by the City) and organize plans directly with Fire and Safety Authorities.

**Transportation Liability Coverage:** \$5 Million dollars as required by United States Department of Transportation. (DOT)

**Workers Compensation:** Pyrotechnicians will meet all of the requirements of the Workers Compensation Laws of Florida.

**Transportation:** Fireworks and equipment will be delivered by qualified CDL drivers with Haz-Mat endorsed licenses as required by US DOT.

**Personnel:** Zambelli Certified Pyrotechnicians and Trained Assistants; no subcontractors used.

**Safety Procedures:** Zambelli Fireworks adheres to all safety regulations. NFPA 1123 code will be strictly enforced.

# **Zambelli**

## **FIREWORKS**

### **Product List-Dundee**

Opening Finale

10-3" finale salute shells

20-3" color finale shells

Body of Program

150-3" color and pattern shells

100-4" color and pattern shells

24-5" color and pattern shells

27-6" color and pattern shells

4-100 shot 1.5" multishot cakes

2-408 Z shape multishot cakes

Grand Finale

20-3" finale salute shells

260-3" color finale shells

1827 Total shots

# Zambelli

## FIREWORKS

### Program Philosophy

Generally speaking there's an opening segment, main body and grand finale of a fireworks display. Just as a great play or movie has various segments that flow together, firework shows are similar type productions that should never leave the audience wanting more or leaving disappointed.

There are fundamental basics that Zambelli Fireworks adheres to, with which we create the best displays in the industry. Some of these fundamentals include:

- **No Dead Air** Just as any TV, radio or Big Screen Production, "Dead-Air" is simply not acceptable. At any given time there will be multiple firings of shots and shells in the air for the display.
- **Shell Size Combinations** A common way for companies to set a show is to shoot all 2 inch shells, then all 3 inch shells, then all 4 inch shells, etc. While this makes it easy for a technician, it is simply boring. Zambelli technicians are trained to set shows to create the ultimate in shell combinations for the various firing sites. For example, firing two 3 inch Gold Kamuro Willow shell (400 ft.) and six 2.5 inch Purple Dahlias is a great, beautiful combination. Firing two 3 inch Pink strobing lights and six 2.5 inch white strobing lights within seconds offers up to 8 seconds of beautiful strobes covering 200 to 400 ft in the air.
- **Rhythm and Intensity** Just as many movies have a loud, action-packed car chase one moment followed by a romantic scene the next moment, fireworks productions also need to flow. A show that is too fast or too slow can get monotonous. Zambelli designs shows that one moment are a constant barrage of colors and booms while the next moment may be soft horsetail golden willows fluttering down from the sky one-by-one.
- **Finales** There's a major art to shooting a spectacular finale. Many people think a finale is simply shooting a lot of shells. While true from a quantitative standpoint, a finale must make sense in order to entertain most effectively. Zambelli designs finales that start slower and lower. For example, 3 inch peony finale shells fired every half-second for 20 seconds may then grow in intensity to include white or silver glittering for the next 20 seconds. Then larger 4 inch blue cracking spiders take over while 3 inch white coconut trees are laying the ground cover. Finally the 100 3 inch multi-color crossettes are covering the sky while the 3 inch titanium salutes are rumbling the skies for miles.

# Zambelli

## FIREWORKS

### Details of Proposed Show Segments

**OPENING:** An opening barrage is designed to attract the attention of the audience and entice them to pay attention..."The show has just begun!" The opening barrage for your event will certainly impress as a barrage of assorted colors, effects, and noise shells fill the night's air.

**The purpose of the opener is to impress on your audience that they are about to see something spectacular. A well-designed Zambelli opener will grab the crowd's attention and prepare them for a wonderful fireworks display.**

**FEATURE PRESENTATION:** The main body of the fireworks display should not be just one shell fired one after another. It's about rhythm, timing, and choosing the perfect effects to complement one another to build themes. Some fireworks shells are designed to be extremely intense while others are designed to slow the pace down with beautiful, softer effects. The design team hand picks every display shell used to ensure a wonderful variety of effects. The audience will never see the same combinations of shells fired in a Zambelli production.

**Different size shells will be breaking simultaneously throughout the display. This allows us to vary the intensity of the show, but more importantly create beautiful canvases of color and effect in the sky, that stimulate both visually and audibly.**

**BARRAGES OF MULTI-SHOT DEVICES:** Multi-shot devices or barrage cakes are used to add to the dynamics of the show. Zambelli Fireworks uses only the highest quality Barrages with innovative effects, colors, and angles. These devices incorporate effect sizes from 1" to 2".

# Zambelli

## FIREWORKS

**GRAND FINALE:** and it will be GRAND!

Human nature is to remember things last experienced. The Grand Finale is what people will remember the most about a fireworks production. A poor finale will leave an audience disappointed. Zambelli Fireworks has a long tradition of supplying the best and biggest finales in the industry. It will be loud, it will be full of vibrant colors, it will be long, and it will leave a lasting impression. Hundreds of shots and effects of multi-color shells, gold and silver sparking lights, gold brocade crown shells and other effects coupled with chest-pounding titaniumsalutes will be the magical ending of the grand display. The finale will be fired from multiple positions with dynamic angles. The incorporated shells, with multiple different sizes and effects, will cover every inch of sky from 150 to 300 ft in the air.

**The Finale will be LARGE, but classy. Effects will be fired at angles to light up a larger portion of the sky rather than create an area of overlapping colors. After an intense array of colors, effects, and sounds, the final few seconds of the Display will fire a barrage of gold hanging effects that will linger in the sky well after the last shell breaks.**

### **Products:**

Zambelli Fireworks carries an inventory of display shells that is more than 2,000 unique shapes, colors, patterns or varieties from nearly a dozen manufacturers. During the 2017 July 4<sup>th</sup> display season Zambelli fired more than 1,200 different types of unique shells during the opener, body and finale of shows. It would be next to impossible to discuss every single shell in detail and provide information on each one.

Zambelli chooses fireworks from a number of different manufacturers from around the world to provide audiences with both unique and creative products. Sunny, PyroEast, Vulcan, Dominator and Dancing products all come from premium Chinese manufacturers. Cabeller shells are very premium Spanish shells. Panzera from Italy make the best multi-shot shells and roman candles in the industry. Hosoya Japanese shells provide some of the best willow and kamuro shells in the world. Lastly, Zambelli still manufactures shells, some of which will be seen during the display.



# **Zambelli**

## **FIREWORKS**

### **WHY CHOOSE ZAMBELLI?**

Zambelli Fireworks prides itself on being able to provide the largest “bang for your buck.” We have a Florida network which is unrivaled in the industry. With our offices in Boca Raton, a permanent storage facility in Okeechobee, and technicians around the state, Zambelli can pass the savings these local facilities provide, onto you. We can offer more shells, regular site visits for safety, and local technicians and management to ensure you receive the best production possible.

**Zambelli Fireworks believes in honesty and integrity as a core company philosophy. We invite, and encourage, our clients to audit our firing sites for quality and quantity of our fireworks and equipment.**

### **Experience and Qualifications**

Proudly known as the "First Family of Fireworks," Zambelli Fireworks is one of the oldest and largest American fireworks companies.

The corporate headquarters and main plant operations are based in New Castle, PA. The southeast regional office is located in Boca Raton, FL and the western office is located in Bakersfield, CA. Zambelli Fireworks currently employs over 40 full-time individuals and thousands of trained, qualified pyrotechnicians. All full-time staff and technicians working with your display will be fully trained, federally approved, Zambelli employees.

The Zambelli family has manufactured the highest quality fireworks and has presented artistic excellence in fireworks displays for over 100 years.

The Zambelli name is recognized and respected, worldwide. Competitors strive to achieve the name recognition that Zambelli Fireworks commands today.

# **Zambelli**

## **FIREWORKS**

Zambelli Fireworks is known worldwide for setting the industry standard in show design and technology.

George Zambelli, Sr. was the pioneer of Zambelli Fireworks for over 65 years. His father, Antonio Zambelli, brought the artistry to New Castle, PA from Italy.

George Zambelli Jr., current Chairman of the Board, is carrying on the Family Tradition of "Lighting Up the Skies!" The Zambelli family and year-round professional staff of technicians, designers, office staff and administrators are here to assist and guide you in the development and implementation that is specific for your fireworks event. We have a team of individuals ready to make your event an extreme success.

Many of the most sought-after master pyrotechnicians in the industry are longtime employees of Zambelli Fireworks.

Experience means quality. Zambelli Fireworks is proud to have a number of individuals who have made long careers within the pyrotechnics industry. The Senior Plant Manager has over 35 years experience in fireworks, the Senior Choreographer/Show Designer has over 25 years experience in fireworks, and the Senior Product Manager has over 25 years experience choosing the highest quality shells and equipment. These individuals' dedication to the artistry of pyrotechnics creates a scenario for quality fireworks shows for every client, large and small.

There's a tremendous dedication to technician training to ensure the most safe display with the highest quality production.

All of our display technicians have attended Zambelli Fireworks' extensive training program and have met all of the rigid safety procedures, which exceed state and federal requirements. We offer a number of different training courses with extensive classroom and hands-on training, per year, around the country. New technicians must also work alongside experienced technicians to gain competence and meet the highest safety, regulatory, and overall performance standards.

Zambelli Fireworks exists as the largest fireworks company in the United States for one reason...customer service and satisfaction EVERY SHOW!

Zambelli Fireworks is proud to be the largest fireworks company in the United States. However, we cannot rest on our laurels by simply being the largest. We must prove our quality and customer satisfaction to every client, on every show, every time. Clients trust us to successfully produce thousands of displays every year. Our goal is to outperform with every show, large or small.



# **Zambelli**

## **FIREWORKS**

### **COMPANY EXPERIENCE:**

#### *Internationally Known Programs*

The Statue of Liberty, Super Bowls, Presidential Inaugurations, Visits of Kings and Queens, Times Square New Years Eve, Mount Rushmore, Washington D.C. and New York City Fireworks displays, Kuwait Display for the Troops in the First Gulf War and many more historical events.

#### *Top U.S. Festivals and Civic Celebrations*

Thunder Over Louisville/Kentucky Derby Festival, Minneapolis Aquatennial, Pittsburgh 250<sup>th</sup> Anniversary, Boise Riverfest, Macon Cherry Blossom Festival, the North Carolina State Fair, Canton Football Hall of Fame, Tampa Gasparilla Celebration, the Florida State Fair and many more.

#### *Sports Franchises and Venues*

Detroit Tigers, Pittsburgh Pirates, Baltimore Orioles, Colorado Rockies, Washington Redskins, Pittsburgh Steelers, Ft. Myers Miracle, Carolina Mudcats, Buffalo Bison, Charleston Riverdogs, Winston-Salem War Hogs, Louisville Bats, Clemson University, University of Miami, ACC Championship Game (Tampa), St. Petersburg Bowl (Tropicana Field) and a number of other College and HS Football venues.

#### *Florida and Caribbean Displays*

Tampa Gasparilla Pirate Festival, Annual FFEA conference, Edison Ft. Myers Festival of Light, Orlando July 4<sup>th</sup>, Boca Raton July 4<sup>th</sup>, Sanibel Island July 4<sup>th</sup>, Naples July 4<sup>th</sup> and New Year's Eve, Sarasota July 4<sup>th</sup>, the Florida State Fair, Coconut Creek Festival, City of Winter Haven, Nevis West Indies, St. Thomas NYE, Puerto Rico NYE, and many more!

# **Zambelli**

## **FIREWORKS**

### **Your Personalized Zambelli Fireworks Team and Technicians**

Ernie Simmons  
Operations Manager  
Senior Project Manager  
863-287-9168 cell epsimms@aol.com

Ernie has worked with Zambelli Fireworks since 1978 designing, shooting and training technicians. His primary roles include training both fireworks technicians and Fire Marshals/Safety Officials, and of course lead technician on dozens of shows annually.

Tony Sawdey  
Project Manager/Storage Facility Manger  
(941) 232-2114 Cell  
[mikesimmons@zambellifireworks.com](mailto:mikesimmons@zambellifireworks.com)

Tony has been designing and displaying shows for Zambelli Fireworks for more than 25 years. He also oversees displays primarily on the East Coast of Florida. Toney is also the Storage Facility Logistics and Inventory manager for the Florida ATF facility. He will spend significant time coordinating the logistics of the display.

Danielle Fredrickson  
Senior Customer Service Manager  
561-395-0955  
[daniellefredrickson@zambellifireworks.com](mailto:daniellefredrickson@zambellifireworks.com)

Danielle is the person who works behind the scenes to make everything regarding the fireworks show logistics come together. She will work on the permit applications, certificates of insurance, technician coordination, area site maps, and can answer any question you may have regarding your fireworks display.

Zach Taminosian  
Senior Designer/Choreographer  
561-395-0955 office  
239-225-8012 cell [zach@zambellifireworks.com](mailto:zach@zambellifireworks.com)

Zach has worked for Zambelli Fireworks for more than twelve years. His in-depth knowledge of show design and choreography is second-to-none. He is tasked with designing some of the largest displays in the United States. Zach also works tirelessly to buy the best fireworks from around the world

# Zambelli

## FIREWORKS

### Chrysanthemums



Description: Typically a spherical break of colored stars that leave a trail or sparks behind. May include pistils (center multi break stars) or other features such as multicolored, half and half, cracking, etc.

### **Body**

Red Chrys  
Green Chrys  
Yellow Chrys  
Blooming Silvery Chrys  
Blue Chrys  
Red, White and Blue Chrys  
Green to Purple Chrys  
Varied Colorful Flowers  
Multi-Color Chrys  
Golden Chrys w/rising tails  
Silver to Purple Chrys  
Glittering Silver to Red Chrys  
Purple Chrys with White Pistil  
Red Chrys with white Pistil  
Gold Wave to Red/Blue Chrys

Red to Blue Chrys.  
Silver to Green Chrys.  
Gold Chrys. w/ rising tails  
Glitter Silver to Red Chrys  
White Twinkling Chrys.  
Spangle Chrys. w/rising tails  
Orange Chrys. w/rising tails  
Purple Chrys  
Yellow Chrys  
Silver Chrys w/rising tails  
Silver to Green Chrys  
Variegated Rainbow Chrys  
Green Chrys with Green Pistil  
Silver and Gold Chrys  
Multi-Color Chrys to Popping Flowers

# Zambelli

## FIREWORKS

### Peonies



Description: Typically a spherical break of colored stars that leave no trail or sparks behind. May include pistils (center multi break stars) or other features such as multicolored, half and half, cracking, etc.

### **Body**

White Peony  
Silver Wave to Purple Peony  
Yellow Peony  
Purple Peony w/Gold Palm  
Variegated Peony (rainbow)  
Red, White and Blue Peony  
Silver to Red Peony  
Orange Peony  
Silver Wave to Blue Peony  
Red to Silver Peony  
Golden Peony  
Red and Green Peony  
Color Changing Peony  
Popping Peony (Red)  
Half Blue Half Red Peony  
Half Green Half White Peony  
Pink Peony  
Green to Silver to Blue Peony

Blue Peony w/Blue Palm Tree.  
Multi-Colored Peony  
Green Peony w/Gold Palm Tree  
Red to Blue Peony  
White Peony w/Blue Pistil  
Glittering Peony  
Silver to Blue Peony  
Half Green Half White Peony  
Silver Wave to Purple Peony  
Green to Purple Peony  
Blue Peony w/titanium reports  
Blue to Silver Peony  
Sparkling Peony w/Pistil  
Popping Peony (White)  
Half White Half Red Peony  
Golden Waves to Purple Peony  
Brilliant Orange Peony  
Red to White to Blue Peony

# Zambelli

## FIREWORKS

### Crossettes



Description: A crossette is a unique shell that breaks into 6 or 8 arms. Then, after some delay, those arms again break into multiple arms criss-crossing each other in a grid-like fashion throughout the sky. Larger caliber shells may even have a third break in all of the arms.

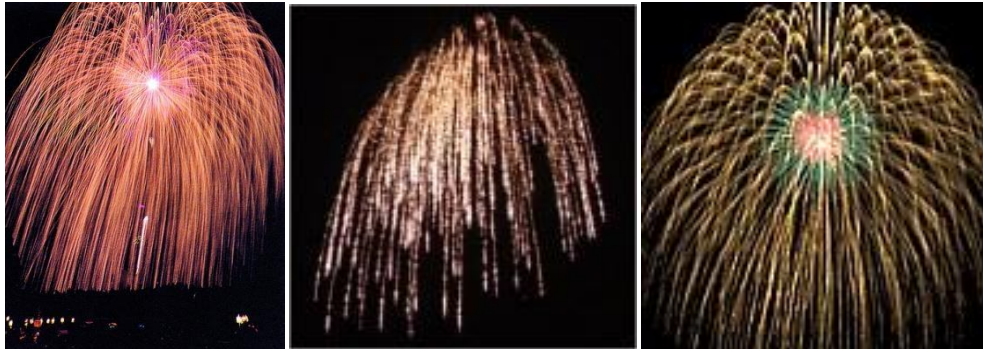
Blue Crossettes  
Red to Blue Crossettes  
Variegated Rainbow Crossettes  
Crackling Crossettes  
Red to Green Crossettes  
Green to Purple Crossettes  
Red Crossette Palm Tree  
White Flitter Crossettes

Green to Blue Crossettes  
Silver Crossettes  
Purple and White Crossettes  
Gold Crossettes w/rising tails  
Green Crossette w/green Tails  
Rainbow Crossettes w/red Tails  
Blue Crossette Palm Tree  
Silver Crossettes

# Zambelli

## FIREWORKS

### Duration/Lingering Effects (Willows, Brocades, Kamuros)



Description: A Long Duration/Lingering Effect is like a Chrysanthemum but burns slowly to the ground leaving a trail of aerial spark dust. These shells are many times gold or silver with various color tips, color changing, or have various colored centers. Zambelli uses many long duration effects at the end of finales to create a sky of gold or silver.

Twilight Glitter w/Purple  
Brocade Crowns  
Brocade Crown to Purple  
Variegated Falling Leaves  
Long Duration Kamuro  
Pixie Dust Willows  
White Poca Shells

Twilight Glitter w/Red  
Long Duration Red Falling Leaves  
Brocade Crown to Red  
Purple Falling Leaves  
Super Brocade Crowns  
Ultra-Long Duration Gold Kamuro  
Gold Poca Shells



# Zambelli

## FIREWORKS

### Dahlias



Description: A Dahlia shell is like a peony but uses dramatically larger and fewer stars to create brighter, wider trails of sparks through the air. They are typically very bold, defined colors used to mix up the pace of a show. They many times are also used in finales.

Assorted Color Dahlia  
Green Dahlia w/Pistil  
Yellow Dahlia w/Pistil  
Pink Dahlia  
Gold Strobe Dahlia  
Red Strobe Dahlia  
Variegated Dalia  
Purple and Red Dahlia

Blue Dahlias w/Pistil  
Red Dahlia w/Pisitl  
Red and Blue Dahlia  
Silver Dahlia  
Blue Strobe Dahlia  
Purple Strobe Dahlia  
White Dahlie w/Purple Tips  
White Dahlia w/Red Tips

# Zambelli

## FIREWORKS

### Patterns



Description: Pattern shells come in a variety of shapes, sizes and depictions. Most notable shapes are shells with stars in patterns of hearts, smile faces, Saturn or other planet blasts, 4-leaf clovers, wagon wheels, etc.

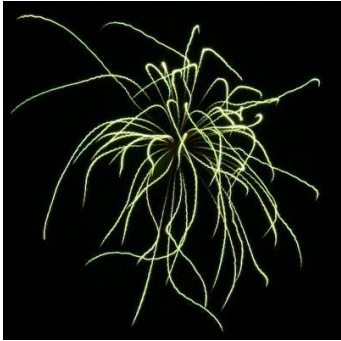
Red Palm Trees  
Red Hearts  
Green to Purple Ring  
Octopus Shells  
Saturn Rings  
Smile Faces  
Green to Blue Crossing Rings  
Bowtie in Ring

Blue Palm Trees  
Triple Rings  
Saturn Blasts  
Meteor Rings  
Crackling Palm Trees  
Triple Rings w/scattering stars  
Half White Half Purple Ring White/Red

# Zambelli

## FIREWORKS

### Specialty Shells



Description: There's a variety of specialty, premium shells that include horsetail willows, scattering stars, bees, falling leaves, Palm Trees and other unique designs and effects.

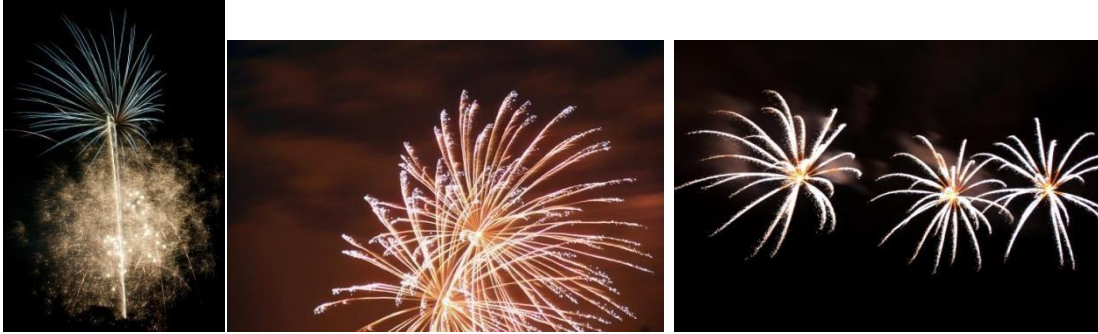
Silver Bees  
Horsetails  
Large Silver Whirls (Serpents)  
Trees of Many Colors  
Peacock Feathers  
Thousands of Gold Waves  
Peacock Tails  
Silver and Purple Strobes  
Treasure Chests  
Green Magnesium to Fast Strobe  
Multi-Color Shell of Shells

Blue Bees  
Aluminum King Shells  
Blue and Red Spiders  
Kaleidoscopes  
Gold Sparkling Kamikazes  
Thousands of Red Waves  
Red, White, Blue Dragon Eggs  
Popping Flowers  
Red Shell of Shells  
Green Shell of Shells  
Tourbillion and Multi-Color

# Zambelli

## FIREWORKS

Specialty Noise



Description: Noise shells come in many different types. The most popular are cracking, whistling or screamers, thousands of popping flowers, and the extremely loud titanium salutes.

Cracking Delight  
Diamond Screamer Whistles  
Crackling Double Rings  
Crackling Coconut Trees  
Twice Crackling Rain  
Blue Crackling Flowers  
Artillery Titanium  
Gold Crackling Chrys

Serpents with Reports  
Large Silver Screaming Whirls  
White and Green Scattering  
Blue Crackling Spiders  
Tourbillion w/Reports  
Green Crackling Flowers  
Thundering Tourbillions  
Whistles and Stars

# Zambelli

## FIREWORKS

### Barrage Cakes



Description: Barrage Cakes or Multi-shot devices are designed to significantly enhance fireworks displays by adding hundreds of rapid-fire shots of various effects. They are mainly used to create tableaux in tandem with aerial shells breaking around the multishot devices. Below are an example of the various types and designs.

- |  |                                       |
|--|---------------------------------------|
| 35 Shot White Flitter Comet Box          | 119 Shot Rapid Fired Gold Comets      |
| 35 Shot Red Crossette Fan Box            | 192 Shot Fast Pearl Zippers           |
| 35 Shot Thunder Tourbillion Fan Box      | 96 Shot Peacock Tails                 |
| 35 Shot Dragon Eggs w/Tails              | 140 Shot Silver Rain                  |
| 36 Shot Silver Fish with Tourbillion     | 80 Shot V-Shape Silver Coconuts       |
| 36 Shot Assorted Colorful Falling Leaves | 80 Shot V-Shape Rainbow Chrys.        |
| 36 Shot Gold Twinkling Kamuro Box        | 200 Shot Whistling Comets             |
| 36 Shot Red and Blue Crossettes          | 70 Shot Z-Shape Midnight Snow         |
| 49 Shot Red and Silver Moons             | 400 Shot V Shape Rapid Fire Box       |
| 49 Shot Red Crackling Tails              | 408 Shot Zipper Rapid Fire Box        |
| 49 Shot Silver Crossettes                | 300 Shot Finale Comet Box             |
| 49 Shot Red and Green Crossettes         | 665 Shot Silver Barriers              |
| 100 Shot Hammer Boxes                    | Angle Wipe Devices – (various angles) |
| 100 Shot Brocade Crowns                  | Zipper Curtain Devices                |
| 100 Shot Blue Crossettes with Tails      | Zipper Chase Devices                  |
| 100 Shot Variegated Peonies              | Fan Chase Devices                     |
| 136 Shot W Shape Purple Kamuro           | 136 Shot W-Shape Silver to Green      |
| 300 Shot 8 Shape White Strobe            | 300 Shot 8 Shape Red Pear Comets      |
| 372 Shot W-Shape Golden Willow           | 408 Shot Z Shape Lime Green Pearl     |

Pompano Beach P-47-17

Zambelli Fireworks has had no litigation within the past 5 years

**Zambelli**  
FIREWORKS