

AGENDA
SPECIAL FINANCE COMMITTEE
Village of Hoffman Estates
February 11, 2013

7:00 p.m.

Members: Gary Pilafas, Chairperson
Anna Newell, Vice Chairperson
Jacquelyn Green, Trustee
Karen Mills, Trustee
Ray Kincaid, Trustee
Gary Stanton, Trustee
William McLeod, Mayor

I. Roll Call

OLD BUSINESS

1. Consideration of a request for authorization to award a contract for the 2013 Northwest Fourth-Fest fireworks display to Melrose Pyrotechnics, Inc., Kingsbury, Indiana in an amount not to exceed \$39,000.

II. Adjournment

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: 2013 4th of July Fireworks Display Contract

MEETING DATE: February 11, 2013

COMMITTEE: Special Finance

FROM: Jackie Green, Chair, 4th of July Commission

PURPOSE: To provide a recommendation from the 4th of July Commission to award the 2013 fireworks display contract.

BACKGROUND: In October 2012, a notice was published accepting bids for the 2013 fireworks display for the Northwest Fourth-Fest. Bids were opened on November 2, 2012 and the results are provided on the Bid Summary attached. The full bid submittals are in the Trustee ante room for your review.

At the January 28, 2013 Finance Committee meeting, the Committee considered the 4th of July Commission's recommendation and sent the item to the Village Board with no recommendation. At the February 4, 2013 Village Board meeting, the Board remanded this item back to a Special Finance Committee for further discussion.

DISCUSSION: The Village bids this service by providing the total budget and each vendor proposes a fireworks display show based on that amount. This process makes this selection somewhat subjective. After the 4th of July Commission's review of these bids, they unanimously recommended Melrose Pyrotechnics for award of this contract. However, both the Finance Committee and Village Board raised concerns with Melrose's performance last year as well as questions with the shell count and display details proposed for the 2013 show.

The shell count and display data information are included on the bid summary. Also, attached is additional information on each bidder in response to recent questions including program detail, references and State Fire Marshal license information.

FINANCIAL IMPACT: The 4th of July budget contains \$15,000 to cover the Village's share of this expense. The partnering communities will fund the balance.

RECOMMENDATION: The 4th of July Commission recommends that the 2013 fireworks display contract be awarded to Melrose Pyrotechnics, Kingsbury, IN, in an amount not to exceed \$39,000 for the fireworks display at the Northwest Fourth-Fest.

**2013 FIREWORKS DISPLAY
PROGRAM DESCRIPTION
TALLY**

	Mad Bomber	New Horizon	Melrose Pyro	Addy Pyro
OPENING				
2.5" shells	240	360	72	240
3" shells	120	300	40	144
4" shells	54	250	9	72
5" shells	28	140	5	18
6" shells	24	60	0	81
Subtotal:	466	1,110	126	555
MAIN SHOW				
2.5" shells	0	0	828	240
3" shells	480	0	590	288
4" shells	360	600	359	144
5" shells	280	400	219	144
6" shells	216	200	126	162
Subtotal:	1,336	1,200	2,122	978
MID-FINALE:				
2.5" shells	360	0	144	120
3" shells	240	200	90	72
4" shells	72	150	15	72
5" shells	42	80	9	72
6" shells	24	50	6	18
Subtotal:	738	480	264	354
FINALE:				
2.5" shells	840		216	240
3" shells	1,800	800	400	144
4" shells	144	320	27	144
5" shells	70	200	24	72
6" shells	36	180	18	54
Subtotal:	2,890	1,500	685	654
GRAND TOTAL	5,430	4,290	3,197	2,541

Percentage of Shells by Size

	Mad Bomber	%	New Horizon	%	Melrose Pyro	%	Addy Pyro	%
2.5" Shells	1,440	26.5	360	8.4	1,260	39.4	840	33.0
3" Shells	2,640	48.6	1,300	30.0	1,120	35.0	648	25.5
4" Shells	630	11.6	1,320	31.0	410	12.8	432	17.0
5" Shells	420	7.7	820	19.1	257	8.0	306	12.0
6" Shells	300	5.5	490	11.4	150	4.7	315	12.4
Total	5,430		4,290		3,197		2,541	

Display Data

	Mad Bomber	%	New Horizon	%	Melrose Pyro	%	Addy Pyro	%
2.5-3"	4,080	75.1	1,660	38.4	2,380	74.4	1,488	58.5
4-6"	1,350	24.8	2,630	61.5	817	25.5	1,053	41.4
Main Show	1,336	24.6	1,200	27.9	2,122	66.3	978	38.4
Finale	2,890	53.2	1,500	35.0	685	21.4	654	25.7
Duration	30 min		35 min		30 min		29m 54 sec	
Cost	\$45,000		\$45,000		\$39,000		\$45,000	

MAD BOMBER

1) Fireworks Display Program Description is attached. This provides detail of the proposed show, i.e., description of shells, size and number.

2) Reference Information:

Event	Comments	Cost	Work With	Years
Cary Park Dist.	Happy with shows	\$9,000	Fire Dept. has no with safety	7+ years
City of Aurora	1 st year better than 2 nd - sync to music on the radio	\$35,000	No safety issue	3 years
Highland Park	Good - 1 st year had pause in display - compensated for error	\$15,000 - \$17,000	No safety issue	6+ years
Glen Ellyn	Very happy. One issue, but resolved. Very professional	\$18,000	No safety issue	14+ years

3) License Information

- a) Distributor/Operator License = 39 active
- b) Assistant Operator License = 239 active

MAD BOMBER
FIREWORKS PRODUCTIONS

NORTHWEST FOURTH-FEST
PYRO DAZZLER!

Thursday JULY 4th 2013

The Grand Opening of the Display!

- 120 – 2.5 inch Floral Bouquet Break Shells
- 60 – 2.5 inch Star Spangled Banner Salutes
- 60 – 2.5 inch Red/White & Blue Peonies
- 72 – 3 inch Color Changing Chrysanthemums
- 48 – 3 inch Titanium Flash Bomb Salutes
- 36 – 4 inch Silver Coconut Palm Trees w/Tails
- 18 – 4 inch Purple to Emerald Peony shells
- 14 – 5 inch Brocade Crown Chrysanthemums
- 14 – 5 inch Gold Shimmering Chrysanthemums
- 12 - 6 – Inch Double Petal Peonies w/Tails
- 12 – 6 inch Majestic Crown Chandelier Shells

MAD BOMBER

FIREWORKS PRODUCTIONS

3 INCH SHELLS * main body

Salute w/tail
Red White & Blue Peony w/tail
Color & Thunder (multi break)
Red Peony
White Peony
Blue Peony
Silver Palm Tree w/tail
Red Ring
Green Ring
Crackling to Blue
Crackling to Green
Golden Kamuro
Red Chrysanthemum w/tail
White Chrysanthemum w/tail
Glitter Silver to Blue
Glitter Silver to Green
Brocade Diadem to Purple w/tail
Brocade Diadem to Blue w/tail
Silver Strobe
White Strobe
Blue Tiger Tail to Salute
Purple Tiger Tail to Salute
Purple Comet to Report
Silver Comet to Report
Red Tiger Tail to Spangle Flower
Green Tiger Tail to Spangle Flower
Gold Tiger Tail to Red Peony
Crackling Comet to Report
Orange Peony w/tail
Turquoise Peony w/tail
Dragon Eggs

TOTAL 3 INCH SHELLS
480 - 3"

N.F.P.A. #1123 - 210 Feet

Salute W/Titanium Splatter
Color to report (multi-break)
Serpent to report (multi-break)
Silver Peony
Green Peony
Yellow Peony
Golden Palm Tree w/tail
Blue Ring
Double Rings
Crackling to Red
Crackling to Yellow
Crackling Kamuro
Blue Chrysanthemum w/tail
Yellow Chrysanthemum w/tail
Glitter Silver to Red
Glitter Silver to Yellow
Brocade Diadem to Red w/tail
Brocade Diadem w/tail
Golden Strobe
Red Strobe
Red Tiger Tail to Salute
Green Tiger Tail to Salute
Green Comet to Report
Red Comet to Report
Blue Tiger Tail to Spangle Flower
Purple Tiger Tail to Spangle Flower
Silver Tiger Tail to Blue Peony
Red Tiger tail to Silver Peony
Aqua Peony w/tail
Purple Peony w/tail
Twilight Twinkler w/tail

Fired in Volleys of (3) (6) (12)

MAD BOMBER

FIREWORKS PRODUCTIONS

4 INCH SHELLS * main body

Blackhead Salute (LOUD)
Color & Salute (heavy report)
Purple Peony w/Silver Pistil
White to Blue Peony w/tail
Red Ring w/Blue Pistil
Blue Glitter w/tail
Swimming Fish w/tail
Multi-Tier Floral Corsage w/tail
Golden Twinkler w/tail
Twilight Twinkler w/tail
Brocade Crown Kamuro w/tail
Red Chrysanthemum w/tail
Blue Peony w/Silver Pistil w/tail
Blue to Red Peony w/tail
Glittering Chrys. To Yellow to Red Peony
Katie-Dids at Night w/rising whistle
Double Rings w/tail
Monarch Butterflies w/tail
Purple Brocade w/tail
Green Peony /Silver Comet
Purple Peony w/report
Varigated Silver
Dahlia to Silver Strobe
Glittering Silver to Blue Chrysanthemum
Tangerine Brocade

TOTAL 4 INCH SHELLS
360 - 4"

N.F.P.A. #1123 - 280 Feet

Titanium Salute w/rising tail
Tourbillion to Heavy Salute (multi-break)
Green Peony w/Yellow Pistil
Red to Silver Peony w/tail
Double Rinds (green & red)
Tequila Sunset w/tail
Waterfall w/tail
Weeping Willow w/tail
Silver Coconut Tree w/Trunk
Green Brocade
Crackling Kamuro w/tail
Golden Chrysanthemum w/tail
White to Purple Peony w/tail
Glittering Chrys. to Green Peony
Glittering Chrys. To Purple to Green Peony
Crossed Rings w/tail
Glitter Delight w/tail
Green Coconut Tree w/Trunk
Red Coconut Tree w/trunk
Red Peony/Silver Comet
Blue Peony w/report
Red to Crackling
Dahlia w/Crackling Pistil
Emerald Willow
Brocade Crown w/tail

MAD BOMBER

FIREWORKS PRODUCTIONS

5 INCH SHELLS * main body

Blue to Red to Silver Peony
Purple to Crackling
Green Octopus
Silver Chrysanthemum w/Blue Pistil
Crossette Glitter w/silver tail
Red Gamboge to Green To Purple Chrsy.
Gold Spider w/Glittering Green & Silver Tail
Brocade Crown
Golden Palm Tree w/tail
White Chrysanthemum w/Red & Blue Pistil
Golden Kamuro w/Strobe Pistil w/tail
X'mas Dahlia w/tail
Purple to Silver Peony
Double Rings
Blue Brocade
Golden Twinkler
Double Hearts
Hour Glass w/Ring
Brocade Chrysanthemum w/pistil
Multi-Colored Peony
Silver Peony w/Red Pistil
Brocade Diadem w/Red Pistil
Kamuro w/Blue Tips
Spider Web to Gold Strobe
Artillery (5 timed reports)

TOTAL 5 INCH SHELLS
280 - 5"

N.F.P.A. #1123 - 350 Feet

Golden Wave to Blue Chrysanthemum
White Chrysanthemum w/Red Pistil
Flashing Stars
Silver Coconut w/tail
Silver Ring w/Purple Pistil
Thousand Color to Crackling
Half Red Half Blue Chrysanthemum w/Pistil
Strobing Willow
Blue Chrysanthemum w/Yellow Pistil
Triple Rings (red/white/blue)
Saturn w/Ring and rising tail
Spangle Chrysanthemum w/pistil
Green Peony w/Purple Pistil
Silver Bees
Yellow to Green Peony w/tail
Crossed Rings
Smiley Face
Star in Circle w/tail
Dragon Eggs
Crackling Kamuro
Silver Peony w/Blue Pistil
Brocade Diadem w/Blue Pistil
Kamuro w/Green Tips
Tiger tail to Blue
Mag Yellow w/Loud Report (multi-break)

MAD BOMBER

FIREWORKS PRODUCTIONS

6 INCH DISPLAY SHELLS

Red Peony
Blue Peony
Thousand Blooming Flowers
Silver Palm Tree w/tail
Red Chrysanthemum w/tail
White Chrysanthemum w/tail
Brocade Diadem to Purple w/tail
Brocade Diadem to Blue w/tail
Silver to Gold Glitter
Kamuro w/green tips w/tail
Blue Peony w/Crackling Pistil
Thrice Color Changing Peony
Saturn Planet w/Rings
Silver Kamuro Chrysanthemum
Green Peony w/Blue Pistil
Red to Green Chrysanthemum
Coconut Tree w/Golden Tail
Trice Color Changing Chrysanthemum
Dragon Eggs
Red to Blue to Silver Peony
Half Silver Half Re Peony
Golden Willow
Color Changing Peony
Willow Diadem to Silver Twinkler

TOTAL 6 inch Display Shells
216 - 6"

N.F.P.A. #1123 - 420 Feet

Silver Peony
Green Peony
Crackling Kamuro
Golden Palm Tree w/tail
Blue Chrysanthemum w/tail
Yellow Chrysanthemum w/tail
Brocade Diadem to Red w/tail
Brocade Diadem w/tail
Brocade Crown Kamuro
Glittering Gold Chrysanthemum
Green Glitter Strobe
Thunder Flowers w/Tail
Green Peony w/Gold Pistil
Blue Peony w/Golden Pistil
Glittering Silver to Blue Chrysanthemum
Sunflower Chrysanthemum
Purple Peony w/Silver Palm Pistil
Red to Silver to Crackling Pistil
Brocade Crown Kamuro
Green Chrysanthemum w/Blue Pistil
Glittering Silver Peony
Brocade Silver to Crackling w/tail
Shell of Shells w/rising Peonys
Kamuro w/Multi-Blooming Flowers

MAD BOMBER

FIREWORKS PRODUCTIONS

The MID-TIME FINALE !

60 – 2.5 inch Glittering Floral Bouquet Patterns
60 – 2.5 inch Red to Silver Strobing Patterns Barrage
60 – 2.5 inch Crackling Delite Dragon Eggs Effects
60 – 2.5 inch Spinning Silver Tourbillions Barrage
60 – 2.5 inch Red White & Blue Peonies
60 – 2 ½ inch Flash Salutes w/Tails

48 – 3 inch Multi-Colored Peonies
48 – 3 inch Mix Chrysanthemums
48 – 3 inch Special Effect Patterns
TOURBILLIONS, SERPENTS, WHISTLES, TIGER TAILS
48 – 3 inch Coconut Palms w/tails
48 – 3 inch Titanium Salutes w/tails

18 – 4 inch Gold Brocade Chrysanthemums
18 – 4 inch Red, White, & Blue Peony shells
18 - 4 inch Golden Coconut Palm Tree shells
18 – 4 inch Silver to Blue to Red Peony shells

14 – 5 inch Crackling Golden Kamuro shells
14 – 5 inch Deluxe Double Strobing Saturn shells
14 – 5 Inch Red Glittering Spangle Pattern Shells

12 – 6 inch Thrice Color Changing Dragon Eyes Shells
12 – 6 inch Brilliant Purple to Gold Chrysanthemums

The Audience will Think the show is over!

MAD BOMBER

FIREWORKS PRODUCTIONS

The GRAND FINALE !

480 – 2.5 inch Floral Bouquet Tourbillion Shells

120 - 2.5 inch Red Ring Pattern Shells

120 - 2.5 inch White Ring Pattern Shells

120 - 2.5 inch Blue Ring Pattern Shells

300 – 3 inch Red White & Blue Strobe Shells

420 – 3 inch Multiple Color Change Peonies

420 – 3 inch Mixed Color Chrysanthemums

180 – 3 inch Special Effect Patterns

TOURBILLIONS, SERPENTS, WHISTLES, TIGER TAILS

240 – 3 inch Coconut Palms w/tails

240 – 3 inch Titanium Salutes w/tails

18 - 4 inch Red White & Blue Peony shells

36 - 4 inch Silver Coconut Palm Tree shells

36 – 4 inch Glittering Spider Web Pattern shells

36 – 4 inch Silver to Blue to Red Peony shells

18 - 4 inch Magnum Power Salute Bombs

21 – 5 inch Flickering Chrysanthemum shells

21 – 5 inch Crackling Golden Kamuro shells

14 – 5 inch Silver Willow Diadem Brocade shells

14 – 5 inch Red to Gold Color Changing Peony Shells

12 – 6 inch Deluxe Double Strobing Saturn Pattern Shells

12 – 6 inch Thrice Color Changing Dragon Eye Shells

12 – 6 inch Brilliant Green to Gold Chrysanthemums

The Audience will know the show is over!

NEW HORIZON PYROTECHNICS

1) **Fireworks Display Program Description is attached. This provides detail of the proposed show, i.e., description of shells, size and number.**

2) **Reference Information:**

Event	Comments	Cost	Work With	Years
Lakemoor	Happy with show	\$24,000	No safety issue	14 years
Forest Park	Good show	\$18,000	No safety issue	5+ years
Chicago Heights	Good show	\$30,000	No safety issue	5+ years

3) **License Information**

- a) Distributor/Operator License = 3 active
- b) Assistant Operator License = 1 active

ATTACHMENT A

2013 FIREWORKS DISPLAY PROGRAM DESCRIPTION

Name of Company: New Horizon Pyrotechnics Inc.
 100% ELECTRICALLY FIRED
 ALL AERIAL

	Number of Shells	Color	Description/Characteristics
OPENING			
2.5" shells	360	ASSORTED	
3" shells	300	ASSORTED	
4" shells	250	ASSORTED	
5" shells	140	ASSORTED	
6" shells	60	ASSORTED	
Subtotal:	1110		
MAIN SHOW			
2.5" shells	---		
3" shells	---		
4" shells	600	ASSORTED	
5" shells	400	ASSORTED	
6" shells	200		
Subtotal:	1200		
MID-FINALE:			
2.5" shells			All Gold WILLOWS
3" shells	200		
4" shells	150		
5" shells	80		
6" shells	50		
SUBTOTAL	= 480		
FINALE:			
2.5" shells			
3" shells	800	ASSORTED	
4" shells	320	" "	
5" shells	200	" "	
6" shells	180	" "	
Subtotal:	1500.00		
GRAND TOTAL	4290.00		

MELROSE PYROTECHNICS

1) Fireworks Display Program Description is attached. This provides detail of the proposed show, i.e., description of shells, size and number.

2) Reference Information:

Event	Comments	Cost	Work With	Years
Rockford	Excellent – very cooperative	\$70,000	Meticulous with fire regulations – only do it the right way	10+ years
Hamilton Partners	Will work only with Melrose	\$50,000+	Very good. Fire Dept. very comfortable with safety.	16 years
Wawasee POA	Absolutely love them – best company	\$45,000	No safety issue	8+ years

3) License Information

- a) Distributor/Operator License = 93 active
- b) Assistant Operator License = 759 active

Proposal

In an effort to provide you with a detailed and clear proposal, we have included a list of components to be considered for the design of your Melrose Pyrotechnics display. Please take a moment to review our show design concepts and proposed pyrotechnic effects.

Opening Segment

The opening scene of your show is one of the most important segments of the display. Whether you choose a traditional display or a pyromusical, our design team members are masters at tailoring your opening segment to thrill your audience from the very first shot. Your audience will be captivated immediately, as we set the tone, pace, and feel for the rest of the program. This is traditionally established through a barrage of multi-shot effects paired with an assortment of aerial shells.

Design Components

Red Glittering Fan Comets with Red Glittering Peonies

Golden Glittering Chrysanthemums with Red Pistils

Green Glitter Fan Comets with Green Glitter Peonies

Golden Glittering Chrysanthemums with Green Pistils

White Glitter Fan Comets with White Glitter Peonies

Golden Glittering Chrysanthemums with Yellow Pistils

Main Body

After your audience is fully enthralled in the spectacle of the opening segment, we transition into the main body of the display. You will experience our commitment to design and organization first-hand as we present a progression of scenes that we design specifically for you and your show. Because every device that we incorporate into your show is hand-picked, meticulously tested, and rated by our design team, we are able to build a cohesive program that is highly dynamic and suited to your event and audience.

Design Components

Color Strobing Dahlias with Matching Tails

Assorted Patterns; Smiling Face, Hearts and Stars

Crackling Palm Trees with Coconut Trunks

Diadem Chrysanthemums to Crackling Tips

Glittering Peonies with Double Core Pistils

Magical Peonies to Gold Centers

Color-Changing Pastel Crossettes

This proposal is intended to give an approximate show design and description. Please contact your Melrose Pyrotechnics Event Producer with any questions or concerns.

Grand Finale

The ultimate destination and final act of every fireworks display is the grand finale. This is the segment of the show that your audience will remember above everything else. Careful design and product selection are vital components of the process we use to customize your grand finale. Not only sound, but color, flight time, effect duration, impact, and presentation are all criteria we consider when choreographing your grand finale.

Design Components

Multi-color Finale Chrysanthemum Shells with Silver Tails	Signature - Heavy Crackling Golden Willows
Thunder to Colored Stars Report Shells	Assorted Color and Flash Salute Finale Shells
Red White and Blue Cross Ring Finale Shells	Silver Lace Stickless Rocket Comets
Double Layer Peony Shells with Flashing Cores	

Special Effects/Multi-Shots

In addition to the shells, multi-shots, candles, and chains that we implement throughout all segments of your show, we employ an extraordinary catalog of special effects and display techniques that we use to complement the traditional crowd favorites. These effects range from nautical shells, custom angled Roman candle scenes, expansive ground effect placements featuring strobes and flares, and layered multi-shot effects, as well as custom-pattern shapes that are manufactured just for Melrose, such as hearts and smiling faces. These special effects work in harmony and greatly enhance the look and feel of any display!

Design Components

Five Pointed Lone Star with Encircling Strobe Ring	Color Changing Silver Crown to Purple/Green Crossettes
Patriotic Palms in Red, Silver and Blue	Magical Peony with Gold Brocade Ring
Saturns of Red, Green and Purple with Kamuro Rings	Gold Brocades to Red Strobing Octopus
Gold Brocade Butterflies with Cyan Stratosphere	

This proposal is intended to give an approximate show design and description. Please contact your Melrose Pyrotechnics Event Producer with any questions or concerns.

Mult-Shots

Design Components

Red White Blue Peony Fan

Golden Crackling Chrysanthemums

Multi-Color Palm with Multi-Color Tails

Mixed Peony Multi-Shot

Blue Comet Tail to Blue Crossette

Red Comet Tail to Red Crossette

Purple and Green Ball Shells with Yellow Pistil

Assorted (Red, Orange, Yellow, Green, Blue, Purple)

Colorful (Red, Green, Blue, Yellow and Purple)

Green Tail To Brocade Crown and Green Chrysanthemum

Product Description

Stickless rockets with red, white, and blue flash shells

Golden chrysanthemum breaks

Rainbow-colored palm tree over rainbow-color tails

Vibrant pastel-colored peonies teal, lemon, and mauve

Blue crossettes creating a sky of blue falling stars

Red crossettes creating a sky of red falling stars

Purple and green glittering shells with glittering palm

Solid rows of deep colored charcoal enhanced shells

Heavy glittering rain shells with fan-shaped rainbow

Z-shaped green tails to silver and green blooming shells

This proposal is intended to give an approximate show design and description. Please contact your Melrose Pyrotechnics Event Producer with any questions or concerns.

ADDY RACKS

- 1) Fireworks Display Program Description is attached. This provides detail of the proposed show, i.e., description of shells, size and number.**

- 2) Reference Information: None provided.**

- 3) License Information**
 - a) Distributor/Operator License = 3 active
 - b) Assistant Operator License = 0 active

Show Summary

completeHoffmanEstates.hbs

2 Nov 2012

Summary Of Devices And Mortars

Product ID	Effect Name	Category	All	Sm	2"	2.5"	3"	4"	5"	6"	7"	8"	Lg	Other
	3" Titanium Salute Finale Chain 2012	Shells	71				71							
	Blu Chrys 3"	Shells	1				1							
	Blu Chrys SlvrTail 3"	Shells	2				2							
	Blu Chrys ToRed SlvrTail 3"	Shells	1				1							
	Blu Chrys ToStrb 3"	Shells	3				3							
	Blu Chrys ToStrb SlvrTail 3"	Shells	1				1							
	Blu Chrys ToWht 3"	Shells	3				3							
	Blu Chrys ToWht SlvrTail 3"	Shells	1				1							
	Blu Dahlia SlvrTail 3"	Shells	2				2							
	Blu Dahlia ToRed SlvrTail 3"	Shells	1				1							
	Blu Dahlia ToWht SlvrTail 3"	Shells	3				3							
	Blu Peony 3"	Shells	33				33							
	Blu Peony PalmCore 3"	Shells	2				2							
	Blu Peony ToStrb 3"	Shells	1				1							
	Blu Peony ToStrb PalmCore 3"	Shells	1				1							
	Gld Brocade Gltr RedPistil SlvrTail 3"	Shells	1				1							
	Gld Chrys 3"	Shells	1				1							
	Gld Chrys SlvrTail 3"	Shells	1				1							
	Gld Chrys ToRed 3"	Shells	1				1							
	Gld Chrys ToStrb SlvrTail 3"	Shells	2				2							
	Gld Dahlia SlvrTail 3"	Shells	2				2							
	Gld Dahlia ToRed	Shells	1				1							

	BrkngToSlvr 3"	Shells	2			2							
	Grn Xette BrkngToSlvr BrkngToThkTail 3"	Shells	1			1							
	GrnTail Diadem ToStrb StrbPistil SlvrTail 3"	Shells	2			2							
	Hovering Ghosts Shell, Specialty	Shells	5			5							
	PFX62BB-BR 62mm Brocade	Shells	1			1							
	PFX62BB-G 62mm Gold Peony	Shells	1			1							
	PFX62BB-GR 62mm Green Peony	Shells	1			1							
	Prpl Peony 3"	Shells	7			7							
	Prpl Peony PalmCore 3"	Shells	3			3							
	Prpl Peony ToStrb 3"	Shells	2			2							
	Prpl Peony ToStrb PalmCore 3"	Shells	1			1							
	Red Chrys 3"	Shells	1			1							
	Red Chrys SlvrTail 3"	Shells	2			2							
	Red Chrys ToStrb SlvrTail 3"	Shells	1			1							
	Red Dahlia SlvrTail 3"	Shells	1			1							
	Red Dahlia ToRed SlvrTail 3"	Shells	7			7							
	Red Dahlia ToStrb SlvrTail 3"	Shells	1			1							
	Red Dahlia ToWht SlvrTail 3"	Shells	3			3							
	Red Diadem ToStrb RedPistil SlvrTail 3"	Shells	4			4							
	Red Diadem ToStrb StrbPistil SlvrTail 3"	Shells	1			1							
	Red Peony 3"	Shells	32			32							
	Red Peony PalmCore 3"	Shells	1			1							
	Red Peony ToStrb 3"	Shells	6			6							
	Red Peony ToStrb PalmCore 3"	Shells	1			1							
	Red Xette BrkngToGld 3"	Shells	1			1							
	Red Xette BrkngToGld BrkngToThkTail 3"	Shells	1			1							
	Red Xette BrkngToGrn 3"	Shells	1			1							
	Red Xette BrkngToRed BrkngToThkTail 3"	Shells	4			4							
	Red Xette BrkngToSlvr 3"	Shells	1			1							
	Red Xette BrkngToSlvr	Shells	1			1							

	BrkngToThkTail 3"																		
	RedTail Diadem RedPistil SlvrTail 3"	Shells	2					2											
	RedTail Diadem StrbPistil SlvrTail 3"	Shells	2					2											
	Slvr Brocade Gltr SlvrTail 3"	Shells	2					2											
	Slvr Brocade Gltr ToStrb RedPistil SlvrTail 3"	Shells	4					4											
	Slvr Brocade Gltr ToStrb SlvrTail 3"	Shells	1					1											
	Slvr Brocade Gltr ToStrb WhtPistil SlvrTail 3"	Shells	3					3											
	Slvr Brocade Gltr WhtPistil SlvrTail 3"	Shells	1					1											
	Slvr Brocade StrbPistil SlvrTail 3"	Shells	1					1											
	Slvr Brocade ToStrb StrbPistil SlvrTail 3"	Shells	21					21											
	Slvr Chrys 3"	Shells	2					2											
	Slvr Chrys SlvrTail 3"	Shells	1					1											
	Slvr Chrys ToWht SlvrTail 3"	Shells	1					1											
	Slvr Dahlia SlvrTail 3"	Shells	1					1											
	Slvr Dahlia ToRed SlvrTail 3"	Shells	1					1											
	Slvr Dahlia ToStrb SlvrTail 3"	Shells	2					2											
	Slvr Dahlia ToWht SlvrTail 3"	Shells	3					3											
	Slvr Kamuro Gltr StrbPistil SlvrTail 3"	Shells	3					3											
	Slvr Kamuro Gltr ToStrb RedPistil SlvrTail 3"	Shells	2					2											
	Slvr Kamuro Gltr ToStrb StrbPistil SlvrTail 3"	Shells	1					1											
	Slvr Kamuro Gltr ToStrb WhtPistil SlvrTail 3"	Shells	1					1											
	Slvr Kamuro StrbPistil SlvrTail 3"	Shells	1					1											
	Slvr Willow Gltr RedPistil SlvrTail 3"	Shells	1					1											
	Slvr Willow Gltr StrbPistil SlvrTail 3"	Shells	4					4											
	Slvr Xette BrkngToGld 3"	Shells	1					1											
	Slvr Xette BrkngToGld BrkngToThkTail 3"	Shells	2					2											
	Slvr Xette BrkngToGrn 3"	Shells	1					1											
	Slvr Xette BrkngToRed	Shells	2					2											

	BrkngToThkTail 3"																		
	Slvr Xette BrkngToSlvr 3"	Shells	1					1											
	Varg Peony 3"	Shells	5					5											
	Varg Peony PalmCore 3"	Shells	4					4											
	Varg Peony ToStrb PalmCore SlvrTail 3"	Shells	12					12											
	Wht Peony 3"	Shells	33					33											
	Wht Peony PalmCore 3"	Shells	3					3											
	Wht Peony ToStrb 3"	Shells	11					11											
	Wht Peony ToStrb PalmCore 3"	Shells	1					1											
	Blu Chrys ToStrb 4"	Shells	1																1
	Blu Chrys ToWht 4"	Shells	1																1
	Blu Dahlia ToStrb SlvrTail 4"	Shells	1																1
	Blu Dahlia ToWht SlvrTail 4"	Shells	1																1
	Blu Peony 4"	Shells	33																33
	Blu Peony ToStrb 4"	Shells	2																2
	Blu Peony ToStrb PalmCore 4"	Shells	1																1
	Gld Brocade Gltr RedPistil SlvrTail 4"	Shells	1																1
	Gld Brocade Gltr ToStrb WhtPistil SlvrTail 4"	Shells	1																1
	Gld Brocade ToStrb RedPistil SlvrTail 4"	Shells	1																1
	Gld Chrys ToWht SlvrTail 4"	Shells	1																1
	Gld Kamuro Gltr WhtPistil SlvrTail 4"	Shells	1																1
	Gld Kamuro SlvrTail 4"	Shells	2																2
	Gld Peony 4"	Shells	6																6
	Gld Peony PalmCore 4"	Shells	2																2
	Gld Peony ToStrb 4"	Shells	1																1
	Gld Peony ToStrb PalmCore 4"	Shells	1																1
	Grn Chrys ToRed SlvrTail 4"	Shells	2																2
	Grn Chrys ToStrb SlvrTail 4"	Shells	1																1
	Grn Dahlia SlvrTail 4"	Shells	1																1
	Grn Peony 4"	Shells	6																6
	Grn Peony PalmCore 4"	Shells	1																1
	Grn Peony ToStrb 4"	Shells	1																1
	Grn Xette BrkngToGrn BrkngToThkTail 4"	Shells	1																1
	Prpl Peony 4"	Shells	6																6

	red crackling willow																			
	Blu Peony 5"	Shells	9																	
	Blu Peony SlvrTail 5"	Shells	4																	
	Gld Kamuro Gltr StrbPistil SlvrTail 5"	Shells	3																	
	Gld Kamuro RedPistil SlvrTail 5"	Shells	3																	
	Gld Kamuro ToStrb StrbPistil SlvrTail 5"	Shells	3																	
	Gld Kamuro ToStrb WhtPistil SlvrTail 5"	Shells	3																	
	Gld Palm Gltr SlvrTail 5"	Shells	1																	
	Gld Palm Gltr Strobe Tip SlvrTail 5"	Shells	1																	
	Gld Palm GrnTip SlvrTail 5"	Shells	1																	
	Gld Palm SlvrTail 5"	Shells	3																	
	Gld Peony PalmCore 5"	Shells	1																	
	Gld Willow Gltr SlvrTail 5"	Shells	1																	
	Gld Willow SlvrTail 5"	Shells	1																	
	Gld Willow StrbPistil SlvrTail 5"	Shells	1																	
	Gld Willow WhtPistil SlvrTail 5"	Shells	1																	
	GldTail Diadem StrbPistil SlvrTail 5"	Shells	3																	
	GldTail Diadem ToStrb RedPistil SlvrTail 5"	Shells	1																	
	Grn Chrys ToRed 5"	Shells	1																	
	Grn Diadem ToStrb RedPistil SlvrTail 5"	Shells	4																	
	Grn Diadem ToStrb StrbPistil SlvrTail 5"	Shells	1																	
	Grn Peony 5"	Shells	2																	
	Grn Peony ToStrb PalmCore 5"	Shells	1																	
	Grn Peony ToStrb SlvrTail 5"	Shells	7																	
	Grn Xette BrkngToGld 5"	Shells	3																	
	Grn Xette BrkngToGrn BrkngToThkTail 5"	Shells	3																	
	Grn Xette BrkngToSlvr 5"	Shells	3																	
	GrnTail Diadem ToStrb RedPistil SlvrTail 5"	Shells	1																	
	Prpl Peony 5"	Shells	1																	
	Prpl Peony ToStrb 5"	Shells	1																	
	Prpl Peony ToStrb PalmCore 5"	Shells	2																	
	Red Chrys ToStrb																			

DM22E002-4	Brocade Chry with Crackle pistil	Shells	3					3										
DM22E004-4	Brocade crown	Shells	3					3										
DM22E004-6	4"Brocade Flower Crown	Shells	1					1										
DM22E004-6	4"Super Brocade	Shells	6					6										
DM22E006-3	Brocade crown to red & green w/golden strobe pistil	Shells	22				22											
DM22E006-5	Brocade crown to red & green w/golden strobe pistil	Shells	3						3									
DM22E006-6	Brocade crown to red & green w/golden strobe pistil	Shells	3							3								
DM22E010-3	Diadem Crackling palm	Shells	4				4											
DM22E010-4	Diadem Crackling palm	Shells	2					2										
DM22E010-5	Diadem Crackling palm	Shells	2						2									
DM22E010-6	Diadem Crackling palm	Shells	4							4								
DM22E012-3	Diadem chry to blue to green w/green pistil	Shells	3				3											
DM22E012-4	Diadem chry to blue to green w/green pistil	Shells	4					4										
DM22E012-6	Diadem chry to blue to green w/green pistil	Shells	6							6								
DM22E014-5	Diadem chrys to red w blue pistil	Shells	6							6								
DM22E014-6	Diadem chrys to red w blue pistil	Shells	4								4							
DM22E024-5	Gold Glitter to Gold Strobe Willow w/ Green strobe pistil	Shells	1							1								
DM22E024-6	Gold Glitter to Gold Strobe Willow w/ Green strobe pistil	Shells	3								3							
DM22E038-3	Golden strobe willow w/ blue dahlia	Shells	2				2											
DM22E038-4	Golden strobe willow w/ blue dahlia	Shells	3						3									
DM22E038-5	Golden strobe willow w/ blue dahlia	Shells	5							5								
DM22E038-6	Golden strobe willow w/ blue dahlia	Shells	9								9							
DM22E042-5	Green strobe willow	Shells	2							2								
DM22E042-6	Green strobe willow	Shells	5								5							
DM22E054-6	Red to blue to silver crackling w/golden strobe to silver	Shells	4								4							

	crackling pistil																		
DM22E056-3	Red to brocade crown	Shells	13				13												
DM22E056-4	Red to brocade crown	Shells	19					19											
DM22E056-5	Red to brocade crown	Shells	6						6										
DM22E056-6	Red to brocade crown	Shells	15							15									
DM22E058-6	Red Wave to Red strobe with Gold Strobe Willow pistil	Shells	5							5									
DM22E060-6	Red wave to red with bule pistil	Shells	6							6									
DM22E064-3	silver crackling palm	Shells	2				2												
DM22E064-4	silver crackling palm	Shells	8					8											
DM22E064-5	silver crackling palm	Shells	2						2										
DM22E064-6	silver crackling palm	Shells	2							2									
DM22E072-5	Silver crackling willow w/ red small flower	Shells	3							3									
DM22E074-3	Silver crackling willow w/blue dahlia	Shells	3				3												
DM22E074-5	4" Silver Crackling Willow instant chain of 3	Shells	2					2											
DM22E074-5	5" Silver Crackling Willow	Shells	8						8										
DM22E074-5	Silver crackling willow w/blue dahlia	Shells	4						4										
DM22E074-6	Silver crackling willow w/blue dahlia	Shells	3							3									
DM22E078-6	Silver wave to blue to white strobe w/ red pistil	Shells	1							1									
DM22E080-6	Silver wave to blue to white strobe w/ red pistil	Shells	2							2									
DM22E086-5	Silver wave to red to blue w/silver wave to blue pistil	Shells	4							4									
DM22E088-6	Silver wave to red to blue w/three-time TIT.salute	Shells	3							3									
DM22E090-6	Silver wave to red to green w/flower wave to blue pistil & green pistil	Shells	3							3									
DM22E096-4	White strobe willow	Shells	3					3											
DM22E096-5	White strobe willow	Shells	5						5										
DM22E096-6	White strobe willow	Shells	1							1									
	White strobe willow																		

DM22E098-3	to crackle, with strobe to crackle pistil	Shells	3				3												
DM22E100-3	White strobe willow w/ red strobe pistil	Shells	3				3												
DM22E100-4	White strobe willow w/ red strobe pistil	Shells	8					8											
DM22E100-6	White strobe willow w/ red strobe pistil	Shells	7							7									
DM22E102-6	White willow	Shells	6							6									
DM22E300-5	blue peony w/ golden strobe crossette	Shells	13						13										
DM22E302-3	Red coconut tree crossette w/ silver coconut pistil	Shells	4				4												
DM22E302-4	Red coconut tree crossette w/ silver coconut pistil	Shells	12					12											
DM22E302-5	Red coconut tree crossette w/ silver coconut pistil	Shells	4						4										
DM22E302-6	Red coconut tree crossette w/ silver coconut pistil	Shells	5							5									
DM22E310-5	White strobe w/red crossette	Shells	1						1										
DM22E310-6	White strobe w/red crossette	Shells	3							3									
DM22E450-3	(chained) Finale Chain 10 Salutes	Shells	60				60												
DM22E560-6	Pattern - Stained Glass with gold strobe pistil	Shells	3							3									
DM22E572-6	Red coconut tree ring w/silver crackling	Shells	3							3									
DM22E586-5	Silver ring with blue pistil & brocade crown ring w/silver crackling	Shells	9							9									
DM22E588-5	Smiley Face	Shells	5							5									
DM22E700-6	Blue inner and outer petals to red peony	Shells	3							3									
DM22E704-4	Blue peony w/silver palm pistil	Shells	3					3											
DM22E704-5	Blue peony w/silver palm pistil	Shells	3							3									
DM22E714-4	Red to green to blue peony	Shells	2					2											
DM22E714-6	Red to green to blue peony	Shells	3							3									
DM22E800-5	Palm to brocades with crackling pistil	Shells	14							14									
LD1002-5	YELLOW PEONY	Shells	1							1									
LD1007-2.5	SILVER PEONY	Shells	23				23												
LD1007-5	SILVER PEONY	Shells	1							1									

LD1008-2.5	PURPLE PEONY	Shells	22		22														
LD1009-2.5	COLOR PEONY	Shells	2		2														
LD1010-2.5	RED & BLUE PEONY	Shells	40		40														
LD1011-2.5	RED & GREEN PEONY	Shells	22		22														
LD1012-2.5	RED & SILVER PEONY	Shells	2		2														
LD1013-2.5	GREEN & WHITE PEONY	Shells	1		1														
LD1014-2.5	GOLDEN & SILVER PEONY	Shells	39		39														
LD1038-2.5	YELLOW TO CRACKLING	Shells	1		1														
LD1039-2.5	BLUE TO CRACKLING	Shells	20		20														
LD1040-2.5	GREEN TO CRACKLING	Shells	20		20														
LD1042-2.5	GOLDEN TO CRACKLING	Shells	2		2														
LD1043-2.5	SILVER TO CRACKLING	Shells	1		1														
LD1044-2.5	PURPLE TO CRACKLING	Shells	2		2														
LD1045-2.5	COLOR TO CRACKLING	Shells	1		1														
LD1062-5	PURPLE PEONY W/COCONUT TREE PISTIL	Shells	1							1									
LD1068-5	GREEN PEONY W/SILVER PISTIL	Shells	3							3									
LD1104-6	GREEN TO PURPLE TO YELLOW PEONY	Shells	3									3							
LD1105-2.5	BLUE & WHITE PEONY	Shells	1		1														
LD1105-6	BLUE & WHITE PEONY	Shells	2									2							
LD1106-2.5	BLUE & PURPLE PEONY	Shells	21		21														
LD1107-2.5	GREEN & PURPLE PEONY	Shells	1		1														
LD1108-6	PINK PEONY	Shells	1									1							
LD1114-3	RED TO PURPLE PEONY	Shells	2						2										
LD1123-4	GREEN TO RED PEONY	Shells	1							1									
LD1129-4	PURPLE TO GREEN PEONY	Shells	2							2									
LD1132-4	GOLDEN TO SILVER PEONY	Shells	3									3							
LD1133-4	WHITE TO PURPLE PEONY	Shells	2									2							
LD1144-5	RED TO YELLOW TO WHITE PEONY	Shells	2									2							
LD1160-6	YELLOW TO RED TO BLUE PEONY	Shells	3										3						
	GOLDEN PEONY																		

LD1175-4	W/COCONUT TREE PISTIL	Shells	2					2										
LD1184-5	BLUE PEONY W/SILVER PISTIL	Shells	1						1									
LD1192-4	BLUE PEONY W/COLORS PISTIL	Shells	1					1										
LD1194-4	RED PEONY W/CRACKLING COCONUT PISTIL	Shells	6					6										
LD1234-4	RED CRACKLING W/COCONUT TREE PISTIL	Shells	2					2										
LD1238-3	HALF BLUE & PURPLE PEONY	Shells	1				1											
LD1239-3	HALF BLUE & YELLOW PEONY	Shells	2				2											
LD1241-3	HALF SILVER & RED PEONY	Shells	1				1											
LD1246-3	SEA BLUE PEONY	Shells	1				1											
LD1247-3	GRASS GREEN PEONY	Shells	1				1											
LD1248-3	ORANGE PEONY	Shells	1				1											
LD1250-6	RED PEONY W/CRACKLING CROSSETTE PISTIL	Shells	4										4					
LD1268-4	YELLOW TO WHITE FLASH. W/BROCADE PURPLE PIS.	Shells	2					2										
LD1268-6	YELLOW TO WHITE FLASH. W/BROCADE PURPLE PIS.	Shells	4										4					
LD1269-6	BLUE TO WHITE FLASH W/BROCADE RED PISTIL	Shells	4										4					
LD1273-4	CRACKLING SILVER W/SILVER WILLOW RAIN	Shells	3					3										
LD1279-3	RED TO GOLDEN CRACKLING CHRYS. FLOWER	Shells	5				5											
LD1280-3	GREEN TO GOLDEN CRACKLING CHRYS. FLOWER	Shells	2				2											
LD1281-3	BLUE TO GOLDEN CRACKLING CHRYS. FLOWER	Shells	2				2											
LD1283-3	PURPLE TO GOLDEN CRACKLING CHRYS. FLOWER	Shells	2				2											
LD1286-3	SILVER TO GOLDEN CRACKLING CHRYS. FLOWER	Shells	1				1											
LD2004-2.5	BLUE CHRY.	Shells	40				40											
LD2036-4	RED DIADEM	Shells	2					2										

LD2038-2.5	PURPLE DIADEM	Shells	20			20													
LD2139-5	SILVER TO RED CHRY. W/BLUE PISTIL	Shells	3							3									
LD2141-5	SILVER CHRY. W/RED PISTIL	Shells	1							1									
LD2145-2.5	WHITE DIADEM	Shells	20			20													
LD2146-2.5	GOLDEN DIADEM	Shells	20			20													
LD2147-2.5	COLOR DIADEM	Shells	20			20													
LD2163-5	RED DIADEM TO GREEN W/BLUE PISTIL	Shells	2							2									
LD2168-5	BLUE DIADEM TO GREEN W/RED PISTIL	Shells	4							4									
LD2243-6	ORANGE CHRY.	Shells	6									6							
LD2244-6	GOLDEN CRACKLING FLOWER CHRY.	Shells	3									3							
LD2254-6	SILVER WAVE TO RED & WHITE & BLUE CROSSETTE	Shells	3									3							
LD2257-5	RED CHRY. TO GREEN PEONY	Shells	4							4									
LD2270-4	RED TO WHITE FLASH W/BROCADE GREEN PIS.	Shells	1							1									
LD4011-4	GREEN CROSSETTE	Shells	1							1									
LD4013-4	SILVER CROSSETTE	Shells	1							1									
LD4014-4	GLITTERING CROSSETTE	Shells	4							4									
LD4018-5	SILVER CRACKLING CROSSETTE	Shells	3									3							
LD4019-4	GREEN CRACKLING CROSSETTE	Shells	1							1									
LD4055-5	GOLDEN FLASHING TO CROSSETTE	Shells	2									2							
LD4062-5	SILVER PLUM CROSSETTE CHRYSANTHEMUM	Shells	1									1							
LD4073-4	RED TO BLUE CROSSETTE	Shells	1							1									
LD4078-5	GREEN FLASHING BIG WILLOW CROSSETTE	Shells	2									2							
LD4079-4	NEW COLOR CROSSETTE	Shells	1							1									
LD4081-4	PINK CROSSETTE	Shells	1							1									
LD4083-5	SEA BLUE CROSSETTE	Shells	1									1							
LD4084-5	GREEN TO WHITE FLASH W/RED CROSSETTE PIS.	Shells	1									1							

LD4085-5	SEA BLUE PEONY W/GOLDEN GLASH CROSSETTE PIS.	Shells	1						1					
LD4087-4	RED AND GREEN CROSSETTE CHRYS.	Shells	1					1						
LD4087-5	RED AND GREEN CROSSETTE CHRYS.	Shells	1						1					
LD6001-3	BROCADE RED	Shells	1				1							
LD6002-3	BROCADE GREEN	Shells	3				3							
LD6003-3	BROCADE BLUE	Shells	4				4							
LD6005-3	BROCADE PURPLE	Shells	1				1							
LD6009-4	DIADEM CHRYS.	Shells	1					1						
LD6010-3	DIADEM CHRYS. TO RED	Shells	1				1							
LD6012-4	DIADEM CHRYS. W/REPORTS	Shells	1					1						
LD6052-4	GOLDEN WILLOW W/GREEN STROBE PISTIL	Shells	1					1						
LD6052-6	GOLDEN WILLOW W/GREEN STROBE PISTIL	Shells	2						2					
LD6061-4	DIADEM CHRYS. TO GREEN	Shells	1					1						
LD6067-6	FIVE PIECES WILLOW	Shells	1						1					
LD6075-6	GOLDEN WILLOW TO SMALL FLOWERS	Shells	3						3					
LD6078-4	COLOR CHANGING KAMURO	Shells	4					4						
LD6080-4	DIADEM CHRYS. W/TITANIUM SALUTE	Shells	3					3						
LD6094-5	BROCADE CROWN W/CROSSETTE PISTIL	Shells	1						1					
LD6097-5	BLUE PEONY W/CRACKLING CROSSETTE PISTIL	Shells	1						1					
LD6109-3	BROCADE COCONUT TREE	Shells	1				1							
LD6112-3	RED WILLOW	Shells	3				3							
LD6113-3	BROCADE CROWN TO GREEN	Shells	1				1							
LD6133-5	WAVE COCO. TREE TO WHITE CROSSETTE	Shells	1						1					
LD7010-2.5	CRACKLING RING	Shells	20				20							
LD7018-2.5	BLUE CRACKLING RING	Shells	20				20							
LD7022-2.5	PURPLE CRACKLING RING	Shells	20				20							
LD7061-5	DOUBLE RINGS (RED & GREEN CROSSETTE)	Shells	1						1					
	RED CROSSETTE													

LD7062-5	RING W/GREEN PISTIL	Shells	1						1									
LD7101-6	GOLDEN WAVE TO RED RING W/BLUE PISTIL	Shells	2							2								
LD7102-6	RED CROSSETTE RING W/SILVER WHIRL	Shells	2							2								
LD7104-6	RED CROSSETTE RING W/ BLUE SEVEN STARS	Shells	3							3								
LD7105-6	RED CROSSETTE RING	Shells	6							6								
LD7157-6	EIGHT PIECE OF CHRYS. W/RING	Shells	4							4								
LD8003-4	TITANIUM SALUTE	Shells	69						69									
LD8029-4	RING W/CROSSETTE	Shells	2						2									
LD8043-5	SILVER WAVE RING W/RED & GREEN CROSSETTE	Shells	1							1								
LD8086-3	CYLINDER SHELL WHITE PEONY W/ COLOR FLOWER TAIL	Shells	3				3											
LD8116-2.5	PEANUT SHELLS RED/SILVER	Shells	20			20												
LD8117-2.5	PEANUT SHELLS RED/GREEN	Shells	20			20												
LD8128-5	RED CROSSETTE TO CRACKLING SMALL FLOWERS	Shells	2							2								
LD8128-6	RED CROSSETTE TO CRACKLING SMALL FLOWERS	Shells	3							3								
LD8136-6	BROCADE TAIL TO REPORT W/ 3 TIMES SALUTE	Shells	1							1								
LD8137-2.5	EUROPE CYLINDER GEEN TO WHITE FLASH W/4 SALUTE	Shells	20			20												
LD8140-2.5	EUROPE TUBE CYLINDER SEA GREEN TO GOLD FLASH. W/7 SALUTES	Shells	40			40												
LD8141-3	EUROPE TUBE CYLINDER WHITE PEONY W/7 SALUTES	Shells	1						1									
LD8142-2.5	EUROPE TUBE CYLINDER PURPLE DAHLIA W/7 SALUTES	Shells	20			20												
LD8145-3	EUROPE TUBE CYLINDER RED PEONY W/ 7 SALUTES	Shells	1						1									

LD8147-2.5	THREE SHELL WHITE STROBE/PURPLE PEONY/GREEN COCONUT TREE	Shells	20		20													
LD8147-3	THREE SHELL WHITE STROBE/PURPLE PEONY/GREEN COCONUT TREE	Shells	1			1												
LD8151-6	PACKAGES OF 1000'S CHRYS. OF RED W/COCONUT PIS	Shells	1						1									
LD8152-3	EUROPE CYLINDER SEA BLUE PEONY W/7 SALUTE	Shells	1					1										
LD8153-3	EUROPE CYLINDER ORANGE PEONY W/7 SALUTE	Shells	1					1										
LD8154-6	PACKAGES OF THOUSANDS CHRYS. OF GREEN	Shells	1							1								
LD8155-3	EUROPE PINK PEONY W/7 SALUTE	Shells	1					1										
LD8162-6	RED TO TIME RAIN CHRYS.	Shells	1							1								
LD8169-3	CYLINDER BLUE PEONY W/WHISTLE	Shells	1					1										
LD8170-2.5	EUROPE CYLINDER BROCADE CROWN + SILVER WAVE + BLUE STAR + WHITE FLASH FLOW	Shells	40			40												
PFP11203S	2.5" Purple Peony	Shells	20			20												
PFP11213S	2.5" Purple Peony (Profusion)	Shells	20			20												
PFP11217S	2.5" Red to Silver Peony (Profusion)	Shells	20			20												
PFP11314S	3" Blue Crossette (Profusion)	Shells	1					1										
PFP11415S	4" Gold Crossette (Profusion)	Shells	1						1									
PGI2012B-004	3" Super Brocade w/ Red Strobe Pistil 2012	Shells	1					1										
	Devices Requiring Mortars		2540			859	612	444	301	324								
	Devices Not Requiring Mortars																	
	Devices Total		2540			859	612	444	301	324								

Duration And Other Resources

First effect at: 00:03.80

Last effect at: 29:52.60

No. of pins: 999

No. of e-matches: 2486

No. of modules/slats: 0

No. of launch positions: 5