



## PARKS & RECREATION COMMISSION MEETING

### NOTE THE MEETING CHANGE

Thursday  
September 16, 2021  
7:00 p.m.

### AGENDA

PURSUANT TO GOVERNOR GAVIN NEWSOM'S EXECUTIVE ORDER N-29-20 AND THE ORDER OF THE HEALTH OFFICER OF CONTRA COSTA COUNTY CONCERNING THE NOVEL CORONAVIRUS DISEASE THIS MEETING WILL BE HELD AS A TELECONFERENCE/VIRTUAL MEETING. OBSERVERS MAY VIEW THE MEETING LIVESTREAMED VIA THE RECREATION DEPARTMENT'S WEBSITE AT:

<https://antiochca.gov/parksandrecreationmeeting>

#### Notice of Opportunity to Address the Parks and Recreation Commission

There are two ways to submit public comments to the Commission:

Prior to 7:00pm the day of the meeting written comments may be submitted electronically to the Director of Parks and Recreation at the following email address:

[bhelfenberger@antiochca.gov](mailto:bhelfenberger@antiochca.gov). Include your comments in the email communication.

All comments received before 7:00 pm the day of the meeting will be provided to the Parks and Recreation Commissioners at the meeting. **Please indicate the agenda item and title in your email subject line.**

After 7:00 the day of the meeting and during the meeting all comments may be submitted verbally by dialing (925) 779-7078. Call-in comments will be heard by Commissioners during the virtual meeting.

*Individuals may view the agenda and related writings on the City of Antioch website: [www.antiochca.gov](http://www.antiochca.gov). In accordance with the Americans with Disabilities Act and California law, it is the policy of the City of Antioch to offer its public programs, services and meetings in a manner that is readily accessible to everyone, including individuals with disabilities. If you are a person with a disability and require information or materials in an appropriate alternative format; or if you require any other accommodation, please contact the ADA Coordinator at the number or address below at least 72 hours prior to the meeting or when you desire to receive services. Advance notification within this guideline will enable the City to make reasonable arrangements to ensure accessibility. The City's ADA Coordinator can be reached @ Phone: (925) 779-6950, and e-mail: [publicworks@ci.antioch.ca.us](mailto:publicworks@ci.antioch.ca.us).*



## **PARKS & RECREATION COMMISSION MEETING**

**September 16, 2021**

### **AGENDA**

**I. CALL TO ORDER**

**II. PLEDGE OF ALLEGIANCE**

**III. ROLL CALL**

**IV. PUBLIC COMMENTS**

Residents are given the opportunity to address the Commission on Park and Recreation issues not on the regular agenda.

**V. APPROVAL OF MINUTES**

Recommended Action:

1. Motion to approve annotated agenda minutes of the Parks and Recreation Commission meeting of August 19, 2021.

**VI. BUSINESS**

1. Sierra Trail Park Playground and Shade Structure Review
2. Wild Horse Multi-Family Project Determination of Dedication of Land or Payment of Park-In-Lieu Fees

**VII. COMMUNICATIONS (Announcements and Correspondence)**

1. Staff Communication
2. Commission Communication

**VIII. ADJOURNMENT**

*Individuals may view the agenda and related writings on the City of Antioch website: [www.antiochca.gov](http://www.antiochca.gov). In accordance with the Americans with Disabilities Act and California law, it is the policy of the City of Antioch to offer its public programs, services and meetings in a manner that is readily accessible to everyone, including individuals with disabilities. If you are a person with a disability and require information or materials in an appropriate alternative format; or if you require any other accommodation, please contact the ADA Coordinator at the number or address below at least 72 hours prior to the meeting or when you desire to receive services. Advance notification within this guideline will enable the City to make reasonable arrangements to ensure accessibility. The City's ADA Coordinator can be reached @ Phone: (925) 779-6950, and e-mail: [publicworks@ci.antioch.ca.us](mailto:publicworks@ci.antioch.ca.us).*





## **PARKS & RECREATION COMMISSION MEETING**

### **NOTE THE MEETING LOCATION CHANGE**

**Antioch Community Center  
4703 Lone Tree Way  
Antioch, CA 94531**

**Thursday  
August 19, 2021  
7:00 p.m.**

## **ANNOTTATED AGENDA**

### **I. CALL TO ORDER**

*Call to Order by Vice Chair Knight at 7:00 pm*

### **II. PLEDGE OF ALLEGIANCE**

*Director Helfenberger led the Pledge of Allegiance*

### **III. ROLL CALL**

*Commissioners Present: Belche, Eubanks, King, Knight, Peckenhams  
Commissioners Absent: Arce, Foster  
Staff Present: Brad Helfenberger, Parks and Recreation Director  
Carlos Zepeda, Public Works Director  
Rosanna Bayon-Moore, Assistant City Manager*

### **IV. PUBLIC COMMENTS**

Residents are given the opportunity to address the Commission on Park and Recreation issues not on the regular agenda.

*Rodney McClelland submitted a written comment expressing his gratitude for the opportunity to have served on the Parks and Recreation Commission and also expressed pride in the work done by the Commission.*

*\*Note, new Commissioner Dominique King was introduced to the Commission at this time.*

### **V. APPROVAL OF MINUTES**

Recommended Action:

1. Motion to approve annotated agenda minutes of the Parks and Recreation Commission meeting of June 17, 2021.

*Individuals may view the agenda and related writings on the City of Antioch website: [www.antiochca.gov](http://www.antiochca.gov). In accordance with the Americans with Disabilities Act and California law, it is the policy of the City of Antioch to offer its public programs, services and meetings in a manner that is readily accessible to everyone, including individuals with disabilities. If you are a person with a disability and require information or materials in an appropriate alternative format; or if you require any other accommodation, please contact the ADA Coordinator at the number or address below at least 72 hours prior to the meeting or when you desire to receive services. Advance notification within this guideline will enable the City to make reasonable arrangements to ensure accessibility. The City's ADA Coordinator can be reached @ Phone: (925) 779-6950, and e-mail: [publicworks@ci.antioch.ca.us](mailto:publicworks@ci.antioch.ca.us).*

Motion to Approve Minutes for Meeting of June 17, 2021

Motion: Peckenham, Second: Belche 5 Yes / 0 No

2 Absent

## VI. BUSINESS

1. Recommendation to City Council for the name for Parcel G Park (APN: 053-060-035) of the Park Ridge Subdivision 8846

*Director Helfenberger introduced the topic and provided a refresher on the City's naming policy. Four suggestions for the park name were presented. "Sierra Trail Park" emerged as the favorite.*

*Motion to recommend to the City Council that the Parcel G Park (APN: 053-060-035) of the Park Ridge Subdivision 8846 be named "Sierra Trail Park."*

*Motion: Belche, Second: Eubanks*

*5 Yes / 0 No*

*2 Absent*

2. Recommendation to Adopt a Policy for Inclusive Park Design

*Director Helfenberger provided background information on the topic, which was originated from Council direction in November 2020 and May 2021. The direction was to develop a policy to ensure accessibility in all park playgrounds as they are renovated and to have the Parks and Recreation Commission involved. The draft policy was presented to the Commission. Commissioner Belche requested that language be added that specifies that appropriate color schemes be used for playgrounds that are optimized for children with Autism.*

*Motion to Recommend that the City Council adopt the proposed Policy for Inclusive Park Design with language added specifying appropriate color schemes for children with Autism.*

*Motion: Peckenham, Second: Belche*

*5 Yes / 0 No*

*2 Absent*

3. Recommendation to Adopt a Policy for Inclusion in Parks and Recreation Programs

*Director Helfenberger provided background information on the topic, which was originated from Council direction in May 2021. The direction was to develop a policy to ensure accessibility in all Recreation programs and also develop programs specifically for people with disabilities. The draft policy was presented to the Commission.*

*Motion to Recommend that the City Council adopt the proposed policy for Inclusion in Parks and Recreation Programs.*

*Motion: Peckenham, Second: Belche*

*5 Yes / 0 No*

*2 Absent*

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## **VII. COMMUNICATIONS** (Announcements and Correspondence)

### **1. Staff Communication**

*Director Helfenberger shared that the Senior Center opened on August 16 while the Vaccine Clinic continues to operate at the Nick Rodriguez Community Center. The Antioch Community Center parking lot continues to serve as a testing site. Fall program registration launched with the elimination of online convenience fees. The Coastal Cleanup event is to be held on September 18<sup>th</sup>.*

### **2. Commission Communication**

*Commissioner Belche informed the Commission that he would not be present for the September meeting. Commissioner Eubanks commented on the events held on August 3 for National Night Out. She also asked for an update on plans for Antioch's Sesquicentennial Celebrations and indicated that the Antioch Historical Society would be interested in participating. Additionally, she requested an update on the Bicycle Garden public workshops, which will be held October 4 and 14 from 6-8pm and October 16 from 11am-1pm.*

## **VIII. ADJOURNMENT**

*Motion: Peckenham, Second: Knight*

*5 Yes /0 No*

*2 Absent*

*Meeting Adjourned at 7:51 pm*

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**STAFF REPORT TO THE PARKS AND RECREATION COMMISSION**

**DATE:** Regular Meeting of September 16, 2021

**TO:** Parks and Recreation Commission

**SUBMITTED BY:** Vicky Lau, Assistant Engineer

**APPROVED BY:** John Samuelson, Public Works Director/City Engineer

**SUBJECT:** Sierra Trail Park Playground and Shade Structure Color Review

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**RECOMMENDED ACTION**

It is recommended that the Parks and Recreation Commission review and select a proposed playground and shade structure color for Sierra Trail Park (APN: 053-060-035) of the Park Ridge Subdivision 8846

**BACKGROUND**

On March 9, 2010, the City Council adopted Resolution No. 2010/21 approving a vesting tentative map and providing conditions of approval for the Park Ridge Subdivision 8846 project. The conditions call for the design and construction of a 8.22-acre park, referred to as Parcel 'G' park before the issuance of the 271st Building Permit. Parcel 'G' Park, now named Sierra Trail Park, (APN:053-060-035) of the Park Ridge Subdivision 8846 is located adjacent to the Valeriano and Giuseppina Jacuzzi Knolls Open Space, alongside Sierra Trail Way, in the center of the Park Ridge subdivision. The Park Ridge subdivision is located west of State Route 4 Bypass, east of Canada Valley Road and south of Laurel Road. Sierra Trail Park is to be a public park dedicated to the City of Antioch. Sierra Trail Park Master Plan and design has been approved by City Council on November 10th, 2020 through the adoption of Resolution 2020/167. Improvement and landscape plans depicting approved park equipment and structures have been approved on July 27, 2021.

The developer, Davidon Homes, has proposed to use the colors chartreuse, teal, silver, gray, and dark gray for the age 2-5 and age 5-12 playground with yellow and blue on swings from the manufacturer Miracle Play, Inc., as specified on Attachment 'B'. Davidon Homes has also proposed the colors of blue (top) and desert sand (bottom) for the shade structure as depicted on Attachment 'C'. The Parks and Recreation Commission may suggest and approve alternative colorings (Attachment 'D' and 'E') for the playgrounds and shade structures.

**ATTACHMENTS**

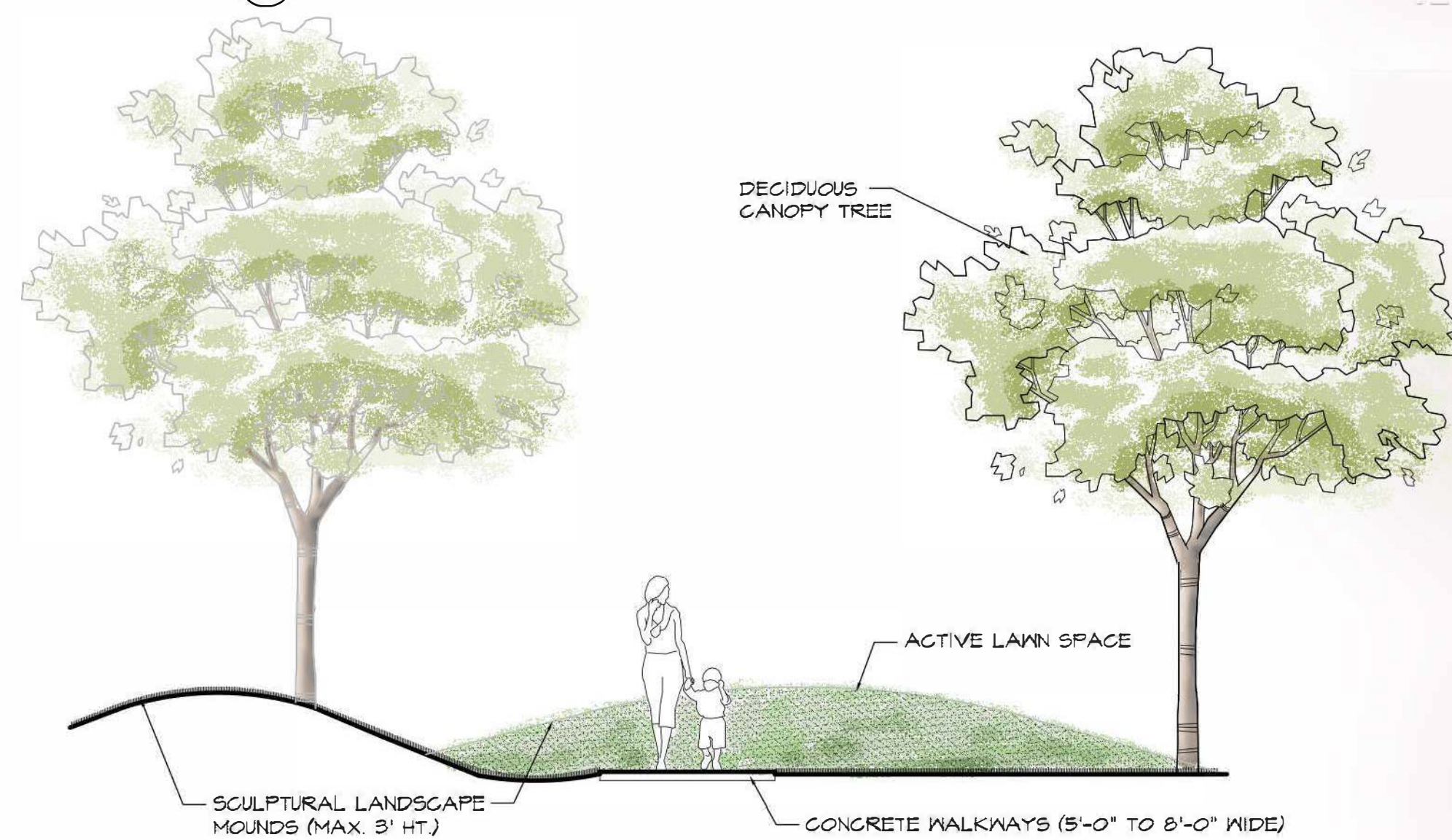
- A. Park Layout Plan
- B. Playground Equipment Specifications
- C. Shade Structure Design
- D. Playground Equipment Color Palette
- E. Shade Structure Color Palette





# PROGRAM AMENITY LEGEND

- 1 PARKING LOT W/ EVERGREEN SHRUBS AND SHADE TREES (±45 PARKING SPACES TOTAL)
  - 40 VISITOR PARKING SPACES
  - 2 ADA PARKING SPACES
  - 3 SERVICE VEHICLE PARKING SPACES
  - 2 LOADING/UNLOADING SPACES
- 2 PROPERTY LINE, TYPICAL
- 3 VEHICULAR SWING GATE WITH INFORMATIONAL SIGNAGE (OPERATION HOURS TBD BY CITY)
- 4 VISITOR ENTRY & PASSENGER DROP-OFF AREA
- 5 PARK ENTRY SIGNAGE
- 6 RESTROOM FACILITY PER CITY STANDARD W/
  - ADA ACCESSIBLE PATH OF TRAVEL FROM/TO ADA PARKING
  - ADA DRINKING FOUNTAIN
  - BICYCLE RACKS
  - TRASH RECEPTACLES
  - VEGETATIVE BUFFER
- 7 SCULPTURAL LANDSCAPE MOUNDS, TYPICAL
- 8 ADA ACCESSIBLE CONCRETE PARK PATHWAYS, TYPICAL (5'-0" - 8'-0" WIDE)
- 9 BASKETBALL COURTS (84' X 50' NCAA MEN)
  - ADA BENCH SEATING & TRASH RECEPTACLE, TYPICAL
  - VEGETATIVE PLANTINGS
  - ASPHALT PAVING
- 10 2-5 PLAYGROUND AREA W/
  - 2-5 PLAY EQUIPMENT BY MIRACLE PLAY, INC.
  - ADA ACCESSIBLE PATH AND LANDING
  - CONCRETE PICNIC TABLE IN DECOMPOSED GRANITE W/ SHADE TREE
  - POURED IN PLACE RESILIENT SURFACING
- 11 5-12 PLAYGROUND AREA W/
  - 5-12 PLAY EQUIPMENT BY MIRACLE PLAY, INC.
  - ADA ACCESSIBLE PATH AND LANDING
  - CONCRETE PICNIC TABLE IN DECOMPOSED GRANITE W/ SHADE TREE
  - POURED IN PLACE RESILIENT SURFACING
- 12 PICNIC DINING AREA
  - CONCRETE PICNIC TABLES, TRASH RECEPTACLES & COMMUNAL BBQS
  - SHADE SAIL STRUCTURE BY U.S.A. SHADE, INC.
  - OPEN SPACE FOR EVENTS/GATHERING ON CONCRETE PAVING
  - (5) QTY. 24" BOX SHADE TREES (2 QTY. TREE GRATES @ PAVING)
- 13 TRAIL NODE W/ CONCRETE PICNIC TABLES AND BBQ GRILLS BY KAY PARK, INC., TYPICAL
- 14 OPEN LAWN AREA, INFORMAL PLAY
- 15 EXISTING C.S. BASIN TO REMAIN
- 16 INFORMAL LAWN SOCCER FIELD (360' X 225' NCAA SOCCER)
- 17 LITTLE LEAGUE BASEBALL FIELD
  - DUG-OUTS
  - BLEACHERS
  - BACKSTOP & FENCING AT FOUL LINES
  - ADA DRINKING FOUNTAIN
  - BICYCLE RACK
  - TRASH RECEPTACLES
  - BENCH SEATING
- 18 BUFFER PLANTINGS W/ EVERGREEN SCREEN TREES
- 19 PEDESTRIAN CONNECTION @ PARKING LOT
- 20 DOG PARK (±12,950 S.F.) W/
  - TURF & DECOMPOSED GRANITE SURFACING W/ SHADE TREES
  - PERIMETER GALVANIZED FENCING PER CITY STANDARD W/ ENTRY CORRAL AND SEPARATE LARGE & SMALL SIZED DOG AREAS
  - PET WASTE STATIONS
  - OUTDOOR BENCH SEATING BY KAY PARKS, INC.
  - ADA DRINKING FOUNTAINS W/ DOG BOWLS
  - ACCENT PLANTINGS AROUND PERIMETER
- 21 EVERGREEN SCREEN TREES, TYPICAL
- 22 DECIDUOUS CANOPY PARK TREES, TYPICAL
- 23 FLOWERING ACCENT TREES, TYPICAL
- 24 STREET TREES PER CITY OF ANTIOCH DESIGN GUIDELINE, TYPICAL
- 25 CONCRETE SEAT WALL W/ SHADE TREE



1 SCULPTURAL LANDSCAPE MOUND SECTION (SEE PLAN FOR LOCATION)



## PARK RIDGE PARK

City of Antioch, Contra Costa County, California

DAVIDON HOMES

0 20 40 80 FT.



ENVIRONMENTAL FORESIGHT, INC.  
Landscape Architecture  
1700 N. Broadway, Suite 401  
Walnut Creek, CA 94596  
T (925) 945-0300  
www.environmentalforesight.com  
DATE: 08/20/20  
JOB# 19008.01  
L-1  
1 of 4

ATTACHMENT 'A'

## CONCEPTUAL LANDSCAPE PLAN

NOT FOR CONSTRUCTION



# Park Ridge Park





**PLAY AREA - AGE APPROPRIATE 2-5 YEARS:**

**CAPACITY: 53-61 CHILDREN**

ELEVATED PLAY ACTIVITIES (TOTAL)

5

ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER:

5

REQ'D: 3

ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP:

0

REQ'D: 0

GROUND LEVEL ACTIVITY TYPE:

4

REQ'D: 2

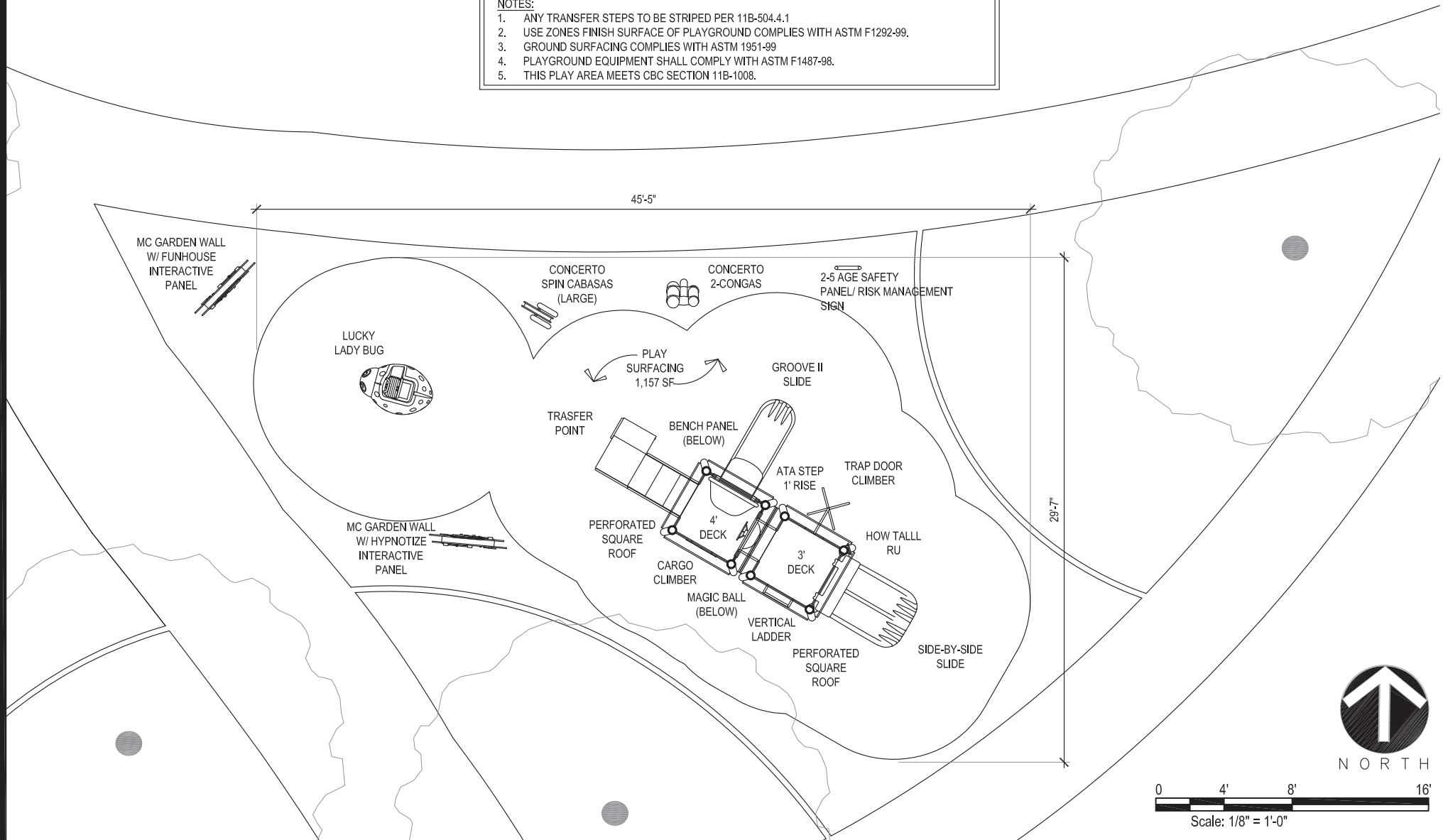
GROUND LEVEL ACTIVITY QUANTITY:

14

REQ'D 2

**NOTES:**

1. ANY TRANSFER STEPS TO BE STRIPED PER 11B-504.4.1
2. USE ZONES FINISH SURFACE OF PLAYGROUND COMPLIES WITH ASTM F1292-99.
3. GROUND SURFACING COMPLIES WITH ASTM 1951-99
4. PLAYGROUND EQUIPMENT SHALL COMPLY WITH ASTM F1487-98.
5. THIS PLAY AREA MEETS CBC SECTION 11B-1008.





Colors Used In Rendering



Chartreuse



Teal



Silver



Gray



Dark  
Gray

Miralene-Panel: Lime-Sand

\*Colors shown in rendering is for illustrative purposes only. Actual color and pattern may vary slightly.



Prepared for:  
Park Ridge Park, (2-5)  
Antioch, CA  
11/23/2020  
20\_0946\_ParkRidgePark\_003

CREATING FUN  
PLAY ENVIRONMENTS  
TO ENRICH COMMUNITIES





\*Colors shown in rendering is for illustrative purposes only. Actual color and pattern may vary slightly.



Prepared for:  
Park Ridge Park, (2-5)  
Antioch, CA  
11/23/2020  
20\_0946\_ParkRidgePark\_003

CREATING FUN  
PLAY ENVIRONMENTS  
TO ENRICH COMMUNITIES





**PLAY AREA - AGE APPROPRIATE 5-12 YEARS:**

ELEVATED PLAY ACTIVITIES (TOTAL)

7

ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER:

7

REQ'D: 4

ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP:

0

REQ'D: 0

GROUND LEVEL ACTIVITY TYPE:

3

REQ'D: 2

GROUND LEVEL ACTIVITY QUANTITY:

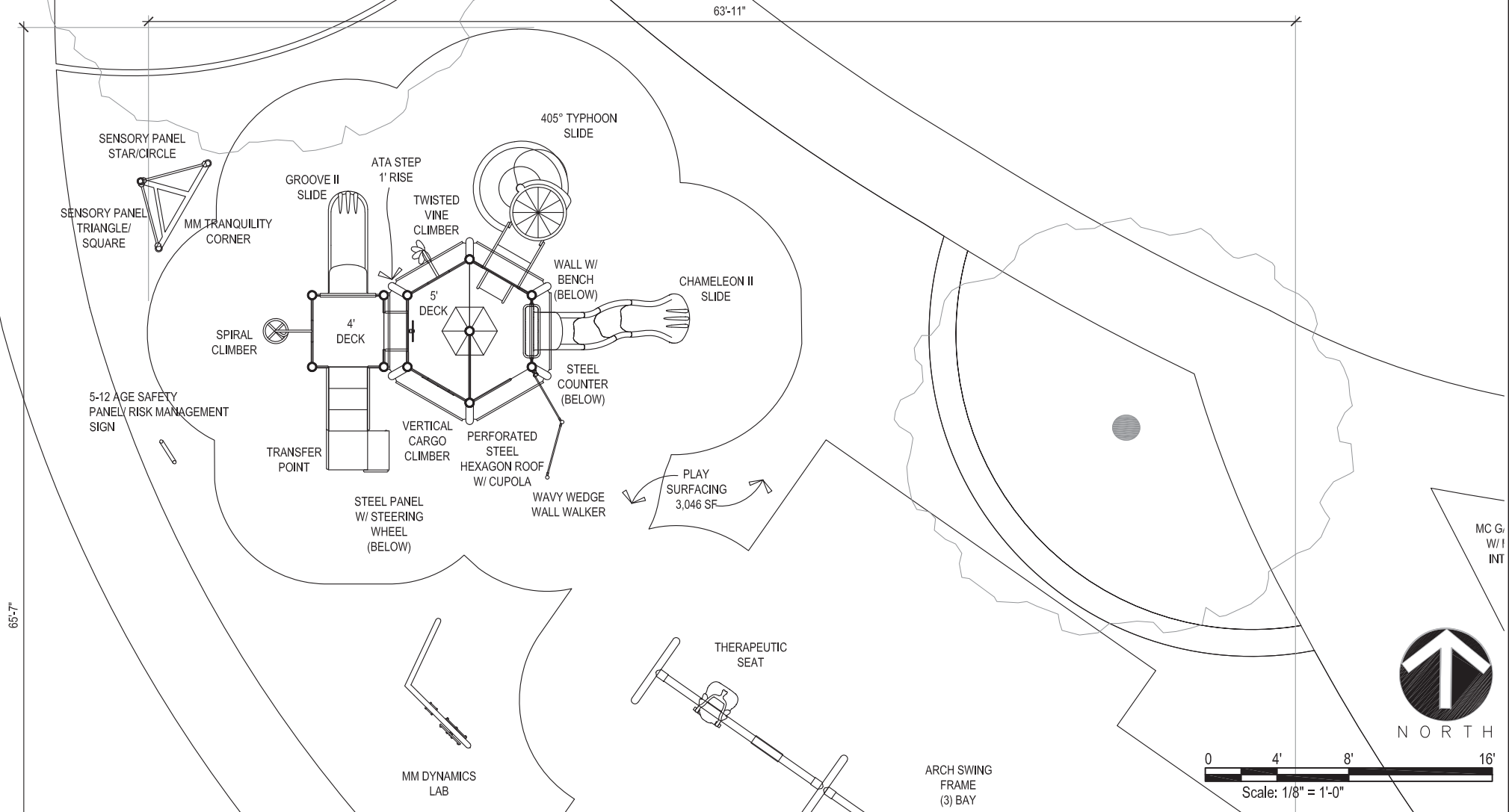
10

REQ'D 2

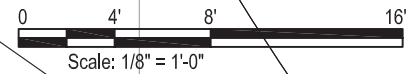
**NOTES:**

1. ANY TRANSFER STEPS TO BE STRIPED PER 11B-504.4.1
2. USE ZONES FINISH SURFACE OF PLAYGROUND COMPLIES WITH ASTM F1292-99.
3. GROUND SURFACING COMPLIES WITH ASTM 1951-99
4. PLAYGROUND EQUIPMENT SHALL COMPLY WITH ASTM F1487-98.
5. THIS PLAY AREA MEETS CBC SECTION 11B-1008.

**CAPACITY: 70-81 CHILDREN**



MC G.  
W/ I  
INT



ALL DRAWINGS ARE SUBJECT TO CHANGE  
AND SHOULD BE REVIEWED BEFORE FINAL  
SALE. ALL SITE DIMENSIONS WILL NEED TO  
BE VERIFIED PRIOR TO SALE AND  
INSTALLATION.

LINEAR FEET: 242 LF

CRITICAL FALL HEIGHT: 6'-2" CFH

20\_0946\_ParkRidgePark\_003

SITE AREA: 3,046 SF

SCALE: 1/8" = 1'-0"

DRAWN BY: CG

DATE: 11/23/2020

**Park Ridge Park, 5-12**

Antioch, CA





# Colors Used In Rendering



Chartreuse



Teal



Silver



Gray



Dark  
Gray

Miralene-Panel: Gray-Black

\*Colors shown in rendering is for illustrative purposes only. Actual color and pattern may vary slightly.



Prepared for:  
Park Ridge Park, (5-12)  
Antioch, CA  
11/23/2020  
20\_0946\_ParkRidgePark\_003

CREATING FUN  
PLAY ENVIRONMENTS  
TO ENRICH COMMUNITIES





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Prepared for:  
Park Ridge Park, (5-12)  
Antioch, CA  
11/23/2020  
20\_0946\_ParkRidgePark\_003

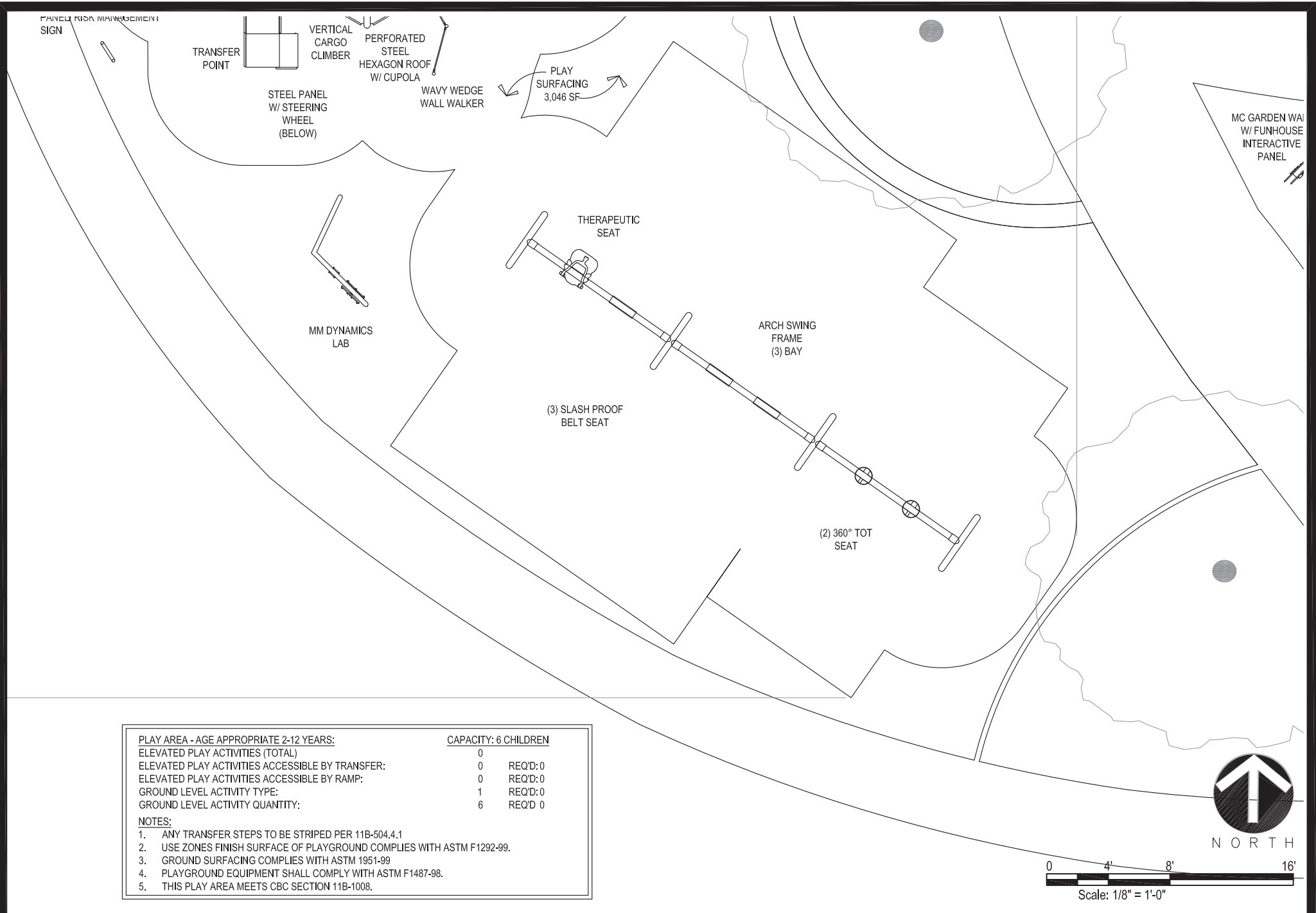
CREATING FUN  
PLAY ENVIRONMENTS  
TO ENRICH COMMUNITIES





Prepared for:  
Park Ridge Park, (5-12)  
Antioch, CA  
11/23/2020  
20\_0946\_ParkRidgePark\_003





**PLAY AREA - AGE APPROPRIATE 2-12 YEARS:**

ELEVATED PLAY ACTIVITIES (TOTAL)

ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER:

ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP:

GROUND LEVEL ACTIVITY TYPE:

GROUND LEVEL ACTIVITY QUANTITY:

**CAPACITY: 6 CHILDREN**

0

0

0

1

6

REQ'D: 0

REQ'D: 0

REQ'D: 0

REQ'D: 0

**NOTES:**

1. ANY TRANSFER STEPS TO BE STRIPED PER 11B-504.4.1
2. USE ZONES FINISH SURFACE OF PLAYGROUND COMPLIES WITH ASTM F1292-99.
3. GROUND SURFACING COMPLIES WITH ASTM 1951-99
4. PLAYGROUND EQUIPMENT SHALL COMPLY WITH ASTM F1487-98.
5. THIS PLAY AREA MEETS CBC SECTION 11B-1008.



ALL DRAWINGS ARE SUBJECT TO CHANGE AND SHOULD BE REVIEWED BEFORE FINAL SALE. ALL SITE DIMENSIONS WILL NEED TO BE VERIFIED PRIOR TO SALE AND INSTALLATION.

LINEAR FEET:	242 LF
CRITICAL FALL HEIGHT:	8' CFH
20_0946_ParkRidgePark_003	

SITE AREA:	3,046 SF
SCALE:	1/8" = 1'-0"
DRAWN BY:	CG
DATE:	11/23/2020

**Park Ridge Park, Swings**  
Antioch, CA



#### Colors Used In Rendering



Chartreuse



Teal



Yellow



Blue



Prepared for:  
Park Ridge Park, (Swings)  
Antioch, CA  
11/23/2020  
20\_0946\_ParkRidgePark\_003

\*Colors shown in rendering is for illustrative purposes only. Actual color and pattern may vary slightly.

CREATING FUN  
PLAY ENVIRONMENTS  
TO ENRICH COMMUNITIES



# FOOTING INFORMATION

PAGE  
5 OF 5

## POST LOCATION:

FOOTING	MODEL	POST LENGTH
AA.	714-520	144" & 132" POSTS.
BB.	714-576	204" POST.
B.	714-576	204" POST.
C.	714-571	106" POST.
D.	714-551	106" POST.
E.	714-552	136" POST.
F.	714-553	160" POST.
G.	714-554	178" POST.
H.	714-555	76" POST.
I.	714-556	196" POST.
J.	714-563	157" ARCH ROOF.
K.	714-565	181" ARCH ROOF.
L.	714-566	199" ARCH ROOF.
M.	714-572	144" POST.
N.	714-573	168" POST.
O.	714-574	186" POST.
P.	714-575	196" POST.
Q.	714-578	137" ARCH.
R.	714-583	157" ARCH.
S.	714-585	181" ARCH.
T.	714-586	199" ARCH.

## FOOTING SCHEDULE:

AA.	30" DIA.	X	26" DEEP.
BB.	24" DIA.	X	26" DEEP.
B-T.	18" DIA.	X	24" DEEP.
U.	36" DIA.	X	18" DEEP.
V.	42" DIA.	X	18" DEEP.
W.	48" DIA.	X	18" DEEP.
X.	18" DIA.	X	24" DEEP.
Y.	12" DIA.	X	18" DEEP.
Z.	20" DIA.	X	42" DEEP.

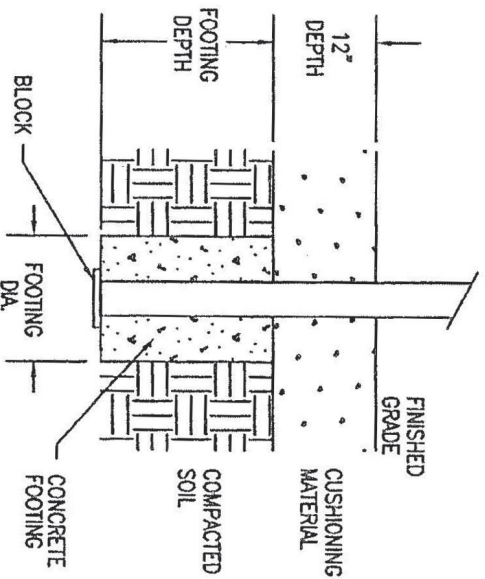
\* LOCATIONS DETERMINED ON SITE.  
SEE INSTALLATION INSTRUCTIONS FOR  
SPECIFIC FOOTING SIZE AND LOCATION.

## FOOTING NOTES:

1. SOME EQUIPMENT LEGS MAY NOT REACH TO  
BOTTOM OF FOOTINGS.
2. ALLOW FOR BLOCK THICKNESS BY INCREASING  
FOOTING DEPTH WHEN APPLICABLE.

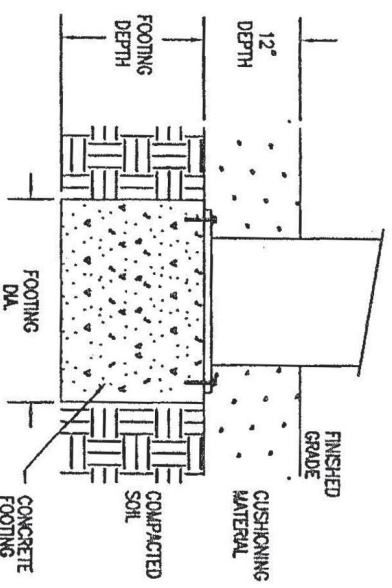
## DECK & COMPONENT FOOTING DETAIL

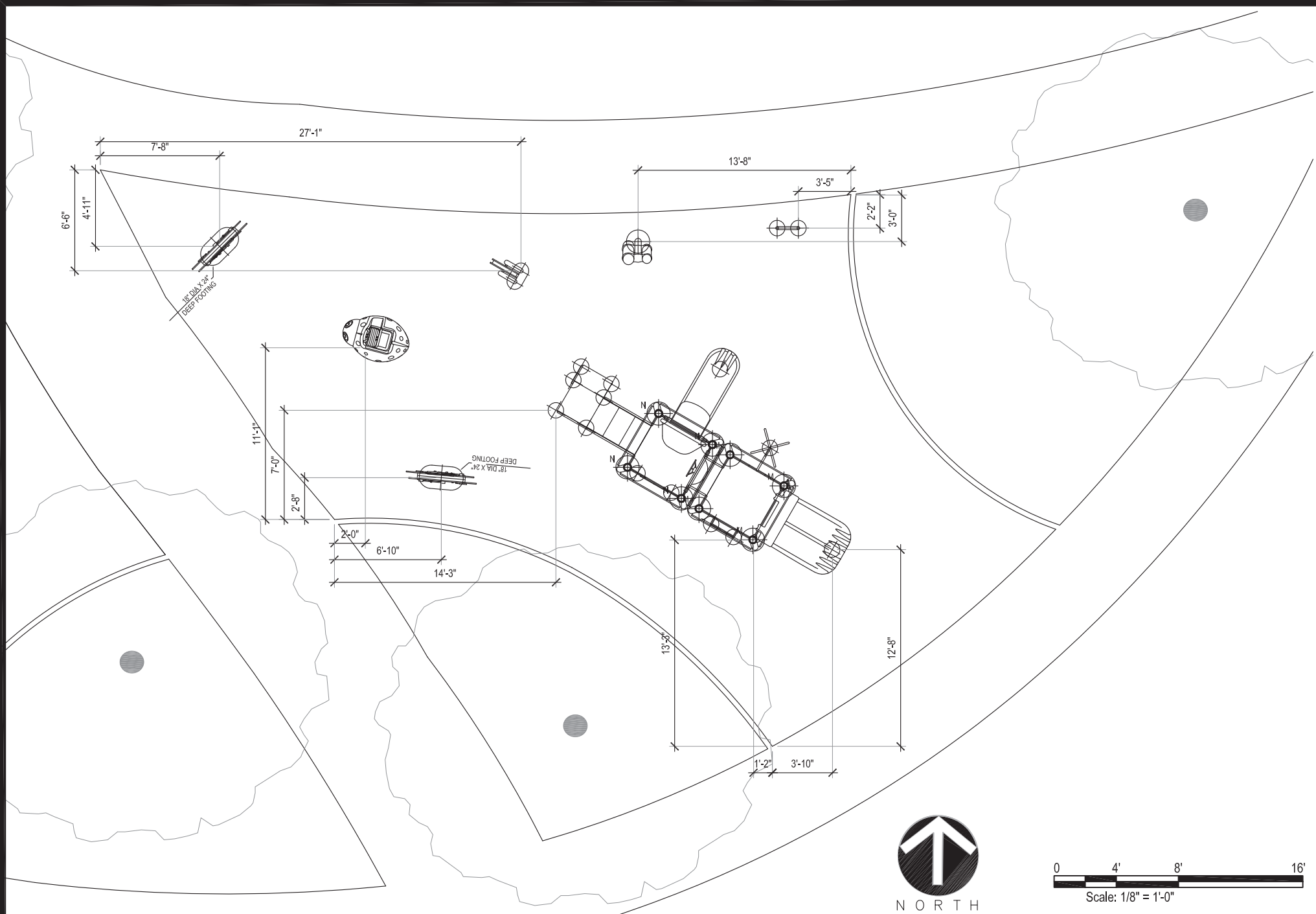
SCALE: NONE

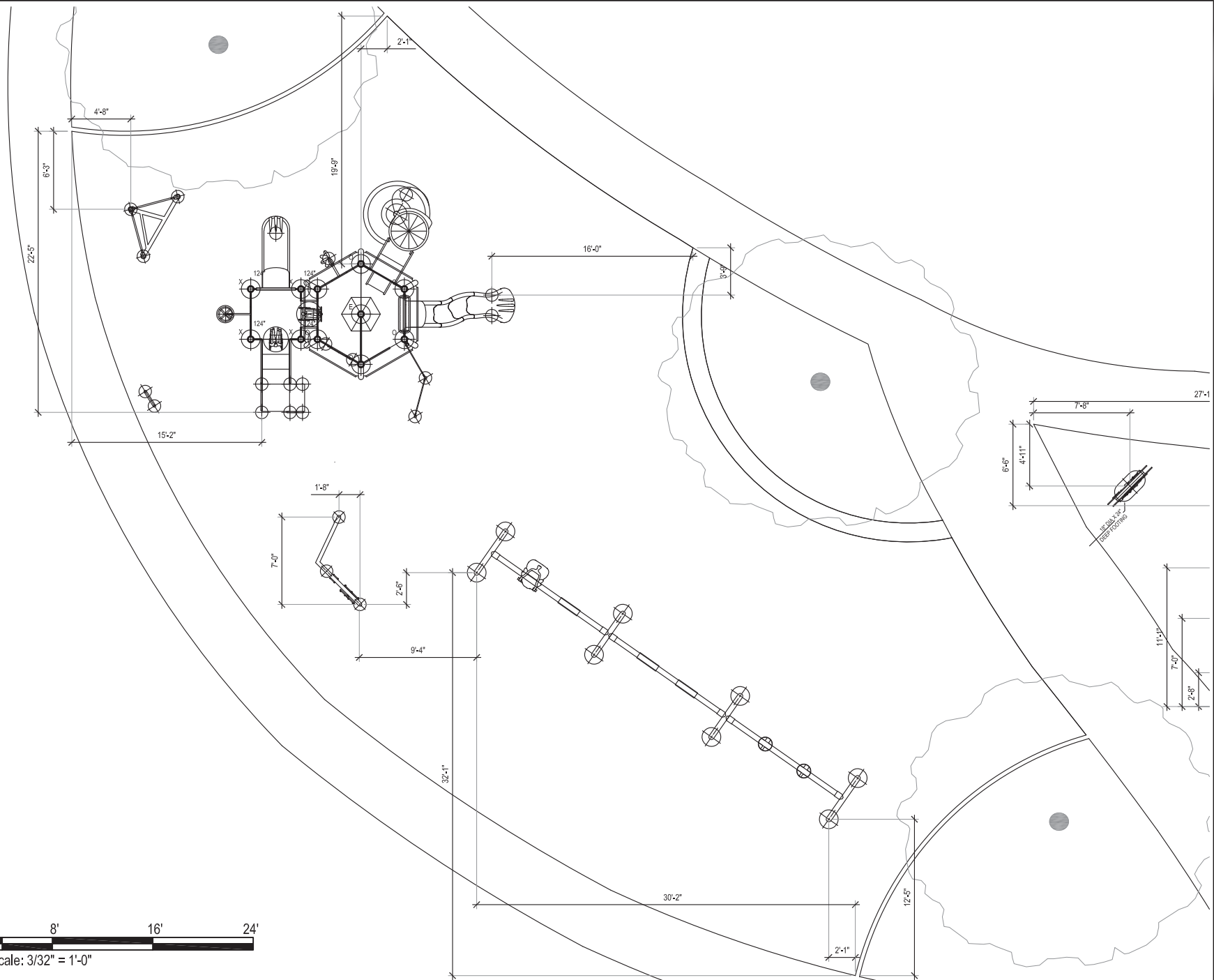


## CENTER STAGE FOOTING DETAIL

SCALE: NONE







NORTH

0 8' 16' 24'  
Scale: 3/32" = 1'-0"



ALL DRAWINGS ARE SUBJECT TO CHANGE AND SHOULD BE REVIEWED BEFORE FINAL SALE. ALL SITE DIMENSIONS WILL NEED TO BE VERIFIED PRIOR TO SALE AND INSTALLATION.

LINEAR FEET:	242 LF
CRITICAL FALL HEIGHT:	6'-2" CFH
20_0946_ParkRidgePark_003	

SITE AREA:	3,046 SF
SCALE:	3/32" = 1'-0"
DRAWN BY:	CG
DATE:	07/01/2021

**Park Ridge Park, 5-12 Footer Plan**  
Antioch, CA



# Miracle® *Product Specifications*

June 22, 2016

Rev. D

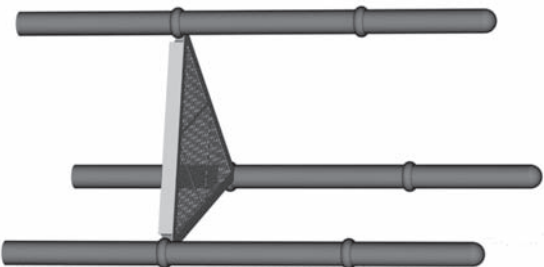
## Kids' Choice® - Mira-Therm II Decks

Deck Posts not included in these assemblies.

### 714-501-9

#### Triangle Deck

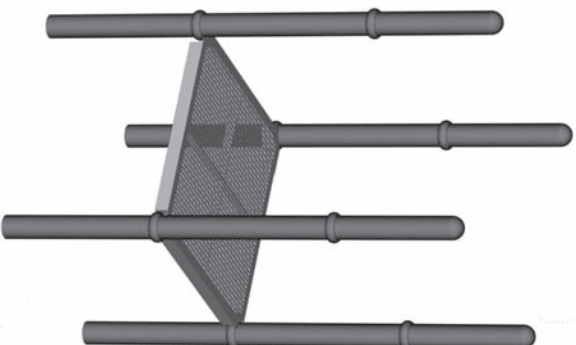
Model # 714-501-9 requires three (3) Posts.



### 714-502-9

#### Square Deck

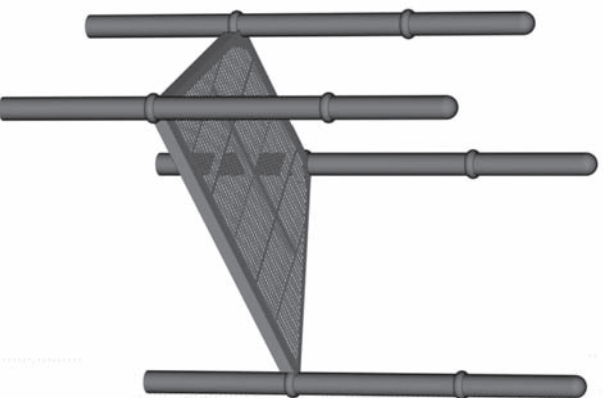
Model # 714-502-9 requires four (4) Posts.



### 714-503-9

#### Half Hex Deck (Full)

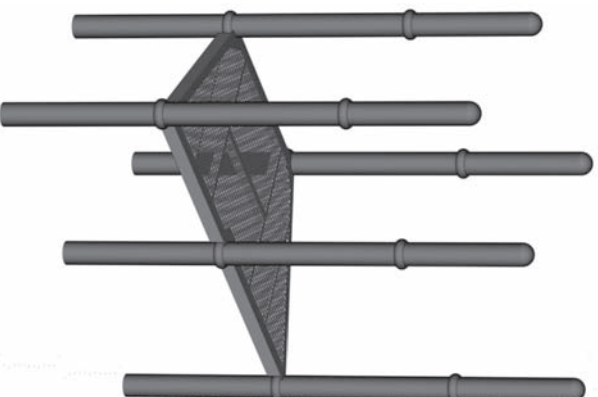
Model # 714-503-9 requires four (4) Posts.



### 714-504-9

#### Half Hex Deck

Model # 714-504-9 requires five (5) Posts.



Decks

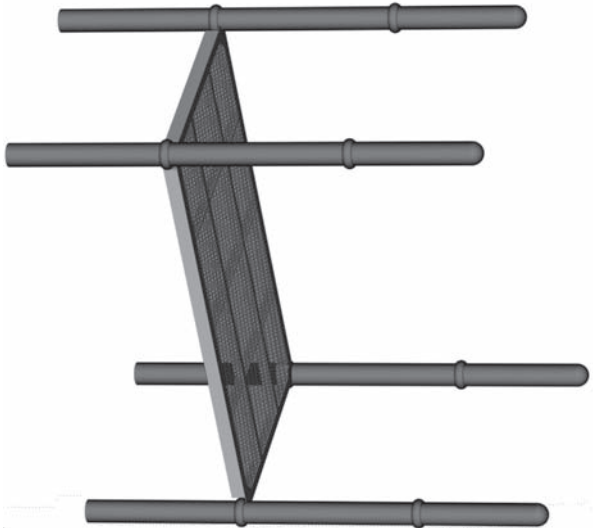
714-501-9, 714-502-9, 714-503-9, 714-504-9, 714-508-9, 714-509-9, 714-510-9, 714-512-9, 714-517-9

# Kids' Choice® - Mira-Therm II Decks

## 714-508-9

### Rectangle Deck (Full)

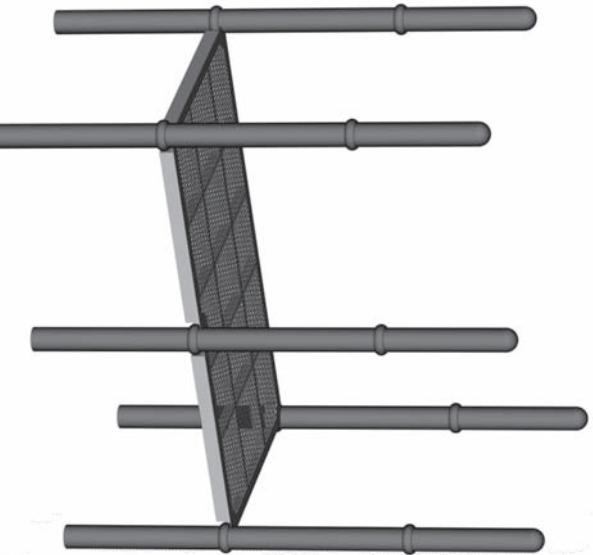
*Model # 714-508-9 requires four (4) Posts.*



## 714-509-9

### Rectangle Deck (Half Open)

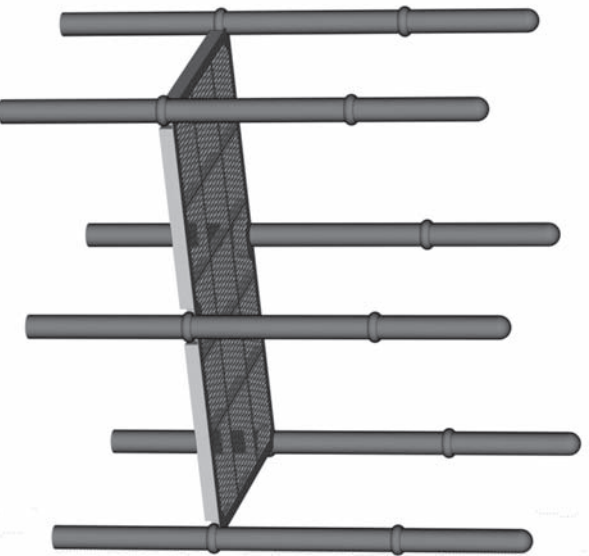
*Model # 714-509-9 requires five (5) Posts.*



## 714-510-9

### Rectangle Deck (Open)

*Model # 714-510-9 requires six (6) Posts.*

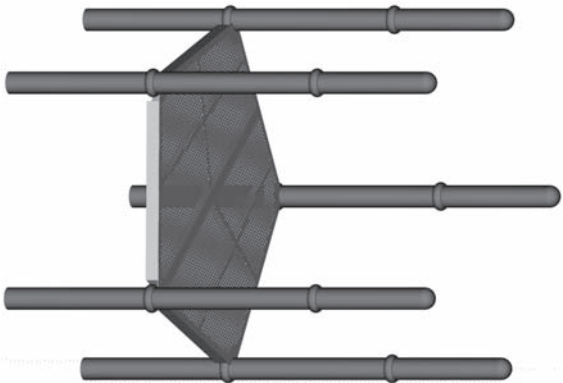


Kids' Choice® - Mira-Therm II  
**Decks**

**714-512-9**

**Pentagon Deck**

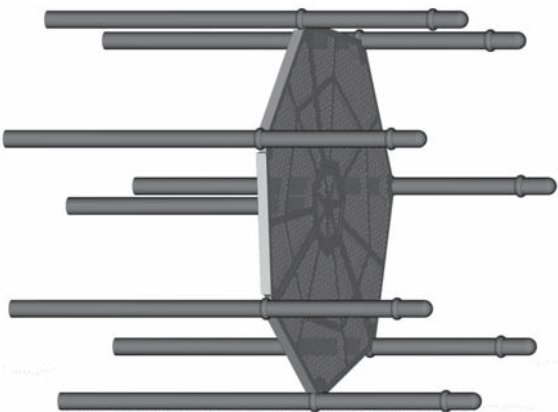
*Model # 714-512-9 requires five (5) Posts.*



**714-517-9**

**Heptagon Deck**

*Model # 714-517-9 requires seven (7) Posts  
and one (1) middle support post.*



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Kids' Choice® - Mira-Therm II

## Decks

<u>MODEL #</u>	<u>PRODUCT</u>	<u>POSTS REQ'D</u>	<u>DECK SURFACE</u>	<u>CONCRETE</u>
714-501-9	Triangle Deck	3	7 sq. ft.	See Post specs
714-502-9	Square Deck	4	16 sq. ft.	"
714-503-9	Half Hex Deck (Full)	4	21 sq. ft.	"
714-504-9	Half Hex Deck (Open)	5	21 sq. ft.	"
714-508-9	Rectangle Deck (Full)	4	32 sq. ft.	"
714-509-9	Rectangle Deck (Half Open)	5	32 sq. ft.	"
714-510-9	Rectangle Deck (Open)	6	32 sq. ft.	"
714-512-9	Pentagon Deck	5	26.5 sq. ft.	"
714-517-9	Heptagon Deck	7	55 sq. ft.	"

### DESCRIPTION

Mira-Therm II deck models include an equilateral triangle deck, a square deck, two half hexagon decks, three rectangular decks, a pentagon deck, and a heptagon deck. Decks are designed for maximum flexibility in height of deck surface, from 0" to 6'-6" (in 6" increments), though 3', 5', and 6'-6" are considered standard deck heights.

Decks are designed on a 48" center-to-center spacing on 5" deck posts, at equal or varied heights. All deck-to-post connections are made with a deck support clamp. All deck connections are made beneath deck with no exposed fasteners on deck perimeter. Decks with 8' wide open side are designed to attach to another deck with 8' wide open side at same deck height.

### MATERIALS

#### **Decks:**

All decks shall be constructed with folded 11 ga. steel sheet forming 3" tall sides. Decking sheets shall be perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. The decking shall have 7 ga. by 2" flat steel braces and corner braces of 7 ga. steel. The entire assembly shall be solid welded prior to PVC coating.

#### **Fasteners:**

Deck assemblies shall contain Versalok Fasteners and Fastener Style A hardware.

#### **Finishes:**

All deck surfaces shall be coated in Mira-Therm. Clamps shall have a Mira-Cote finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.



# Miracle Product Specifications

January 16, 2019

Rev. P

Kids' Choice®

## Steel Posts (5" O.D., 11 ga. Round Tube) & Aluminum Posts

### Steel Posts - 5" O.D., 11ga.

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>USES</u>	<u>PART NUMBER</u>
714-545-3	144" Deck Post (Cheer Roof)	3' Deck	997292*
714-545-5	168" Deck Post (Cheer Roof)	5' Deck	997294*
714-545-6	186" Deck Post (Cheer Roof)	6'-6" Deck	908813*
714-545-8	204" Deck Post (Cheer Roof)	8' Deck	997297*
714-545-10	228" Deck Post (Cheer Roof)	10" Deck	908812*
714-549-1	88" Maze Post	Sensory Panel	925341*
714-549-3	112" Deck Post	3' Decks	995228*
714-549-4	124" Deck Post	4' Decks	995229*
714-550-3	206" Deck Post (PlayCover)	3' Deck & less	997215*
714-550-5	219" Deck Post (PlayCover)	3'-6" to 5' Decks	997218*
714-550-6	243" Deck Post (PlayCover)	5'-6" to 6'-6" Decks	997203*
714-550-8	258" Deck Post (PlayCover)	7' to 8' Decks	997315*
714-551	106" Deck Post	2-6" Decks & less	713551*
714-552	136" Deck Post	3' to 5' Decks	713552*
714-552L	136" Deck Post w/CPSIA Label	3' to 5' Decks	996061*
714-553	160" Deck Post	5'-6" to 6'-6" Decks	713553*
714-554	178" Deck Post	7' to 8' Decks	713554*
714-556	196" Deck Post	10' Deck	985244*
714-571	106" Post (Roof)	Ground Level	713561*
714-571L	106" Post (Roof) w/CPSIA Label	Ground Level	996352*

*Note: An (\*) by a part number indicate: Color Code Required.*

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

714-545-3, 714-545-5, 714-545-6, 714-545-8, 714-545-10, 714-549-1, 714-549-3, 714-549-32, 714-549-4, 714-549-42, 714-550-3, 714-550-5, 714-550-6, 714-550-8, 714-551, 714-551-2, 714-552, 714-552L, 714-552-2, 714-552-2L, 714-553, 714-553-2, 714-554, 714-554-2, 714-556, 714-571, 714-571-2, 714-571L, 714-572, 714-572-2, 714-573, 714-573-2, 714-574, 714-574-2, 714-575, 714-576, 714-576-8, 714-576-10

5" O.D., 11 ga. Steel Posts & Aluminum Posts

Kids' Choice®

**Steel Posts (5" O.D., 11 ga. Round Tube) & Aluminum Posts****Steel Posts - 5" O.D., 11ga. cont.**

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>USES</u>	<u>PART NUMBER</u>
714-572	144" Deck Post (Roof)	3' Decks & less	713572*
714-573	168" Deck Post (Roof)	3'-6" to 5' Decks	713573*
714-574	186" Deck Post (Roof)	5'-6" to 6'-6" Decks	713574*
714-575	196" Deck Post (Uses 2 for Filippo Roof)	6'-6" Deck	986260*
714-576	204" Deck Post (Roof)	8' Deck	713818*
714-576-8	228" Deck Post (Topper)	8' Deck	994097*
714-576-10	252" Deck Post (Topper)	10' Deck	994407*

**5" O.D., 11 ga. Steel Posts & Aluminum Posts****Aluminum Posts - 5" O.D.**

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>USES</u>	<u>PART NUMBER</u>
714-549-32	112" Deck Post	3' Decks	996230*
714-549-42	124" Deck Post	4' Decks	996231*
714-551-2	106" Deck Post	2'-6" Decks & less	713593*
714-552-2	136" Deck Post	5' Decks	713594*
714-552-2L	136" Deck Post w/CPSIA Label	5' Decks	996065*
714-553-2	160" Deck Post	5'-6" to 6'-6" Decks	713595*
714-554-2	178" Deck Post	7' to 8' Decks	713599*
714-571-2	106" Post (Roof)	Ground Level	713588*
714-572-2	144" Deck Post (Roof)	3' Decks & less	713589*
714-573-2	168" Deck Post (Roof)	3'-6" to 5' Decks	713590*
714-574-2	186" Deck Post (Roof)	5'-6" to 6'-6" Decks	713591*

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

714-545-3, 714-545-5, 714-545-6, 714-545-8, 714-545-10, 714-549-1, 714-549-3, 714-549-32, 714-549-4, 714-549-42, 714-550-3, 714-550-5, 714-550-6, 714-550-8, 714-551, 714-551-2, 714-552, 714-552L, 714-552-2, 714-552-2L, 714-553, 714-553-2, 714-554, 714-554-2, 714-556, 714-571, 714-571-2, 714-571L, 714-572, 714-572-2, 714-573, 714-573-2, 714-574, 714-574-2, 714-575, 714-576, 714-576-8, 714-576-10

Kids' Choice®  
**Steel Posts (5" O.D., 11 ga. Round Tube) & Aluminum Posts**

**CONCRETE**

0.13 cubic yards required per post  
0.26 cubic yards per post for model's 714-550-3, 714-550-5, 714-550-6 and 714-550-8.

**DESCRIPTION**

Posts are used for support of deck systems and freestanding components.

**MATERIALS**

**Steel Post Assembly:** Steel posts shall be constructed of 5" tube, 11 ga. Posts not designed for roof assemblies shall have 5" round end caps pressed in at the factory.

**Aluminum Post Assembly:** Aluminum posts shall be constructed of 5" aluminum tube. Posts not designed for roof assemblies shall have 5" round end caps pressed in at the factory.

**Fasteners:** Components shall be field assembled to Posts by means of Versalok Fasteners, Fastener Style A hardware and/or Fastener Style B hardware.

**Finishes:** Post assemblies and clamps shall be finished in Mira-Cote.

5" O.D., 11 ga. Steel Posts & Aluminum Posts

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

714-545-3, 714-545-5, 714-545-6, 714-545-8, 714-545-10, 714-549-1, 714-549-3, 714-549-32, 714-549-4, 714-549-42, 714-550-3, 714-550-5, 714-550-6, 714-550-8, 714-551, 714-551-2, 714-552, 714-552L, 714-552-2, 714-552-2L, 714-553, 714-553-2, 714-554, 714-554-2, 714-556, 714-571, 714-571-2, 714-571L, 714-572, 714-572-2, 714-573, 714-573-2, 714-574, 714-574-2, 714-575, 714-576, 714-576-8, 714-576-10

# Product Specifications

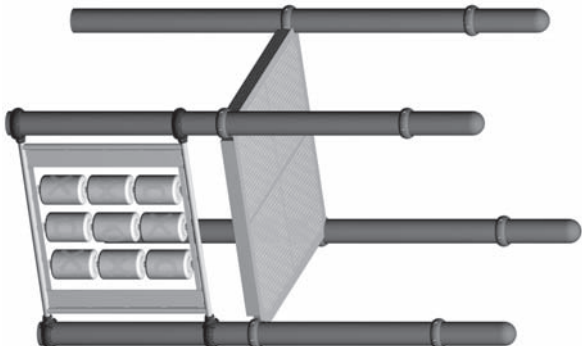


Kids' Choice®

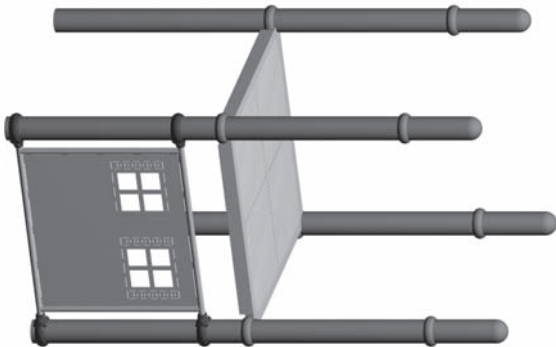
**MIRACLE** Steel Panels - Below Deck  
RECREATION EQUIPMENT COMPANY

Rev. C

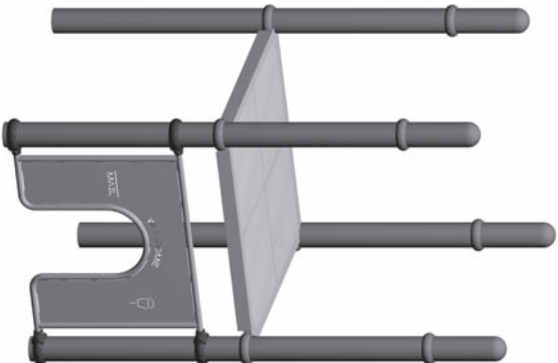
714-602-10B: Steel Tic Tac Toe Panel



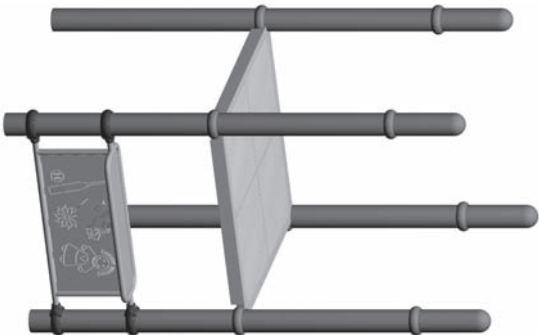
714-602-11B: Steel Window Panel



714-602-12B: Steel Door Panel



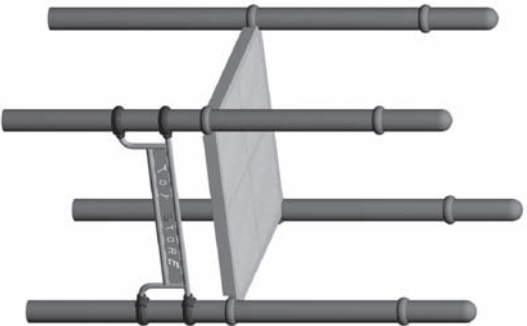
714-602-13B: Steel Counter Panel



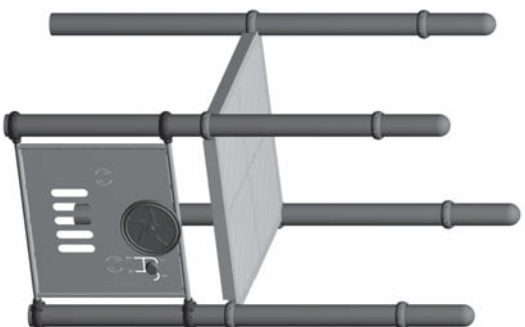


**MIRACLE** Kids' Choice®  
RECREATION EQUIPMENT COMPANY **Steel Panels**

**714-602-14B: Steel Valance**



**714-602-15B: Steel Steering  
Wheel Panel**



**Steel Panels-Below Deck**

714-602-11B, 714-602-12B, 714-602-13B, 714-602-14B, 714-602-15B



<u>MODEL #</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>PROTECTIVE AREA</u>
714-602-10B	Steel Tic Tac Toe Panel	4'-6" x 6-3/4"	17' x 13'-0 3/4"
714-602-11B	Steel Window Panel	4'-6" x 11-1/4"	17' x 13'-5 1/4"
714-602-12B	Steel Door Panel	4'-6" x 11-1/4"	17' x 13'-5 1/4"
714-602-13B	Steel Counter Panel	4'-6" x 11-1/4"	17' x 13'-5 1/4"
714-602-14B	Steel Valance	4'-6" x 11-1/4"	17' x 13'-5 1/4"
714-602-15B	Steel Steering Wheel Panel	4'-6" x 7-1/2"	17' x 13'

### **DESCRIPTION**

Steel Panels are durable below-deck components designed to enhance imaginative play. The Steel Tic Tac Toe Panel shall allow children to play the classic game cooperatively. The Steel Window Panel shall resemble house windows, Steel Door Panel shall resemble the front entry of a house, the Steel Counter Panel shall resemble a toy store counter top, the Steel Valance shall resemble a toy store sign, and the Steel Steering Wheel Panel shall resemble a car console.

### **MATERIALS**

#### **Panels:**

Model # 714-610-10B shall comprise an 11 ga. sheet panel and bolting bracket with two 35" rungs and two 41-1/2" rungs of 1" pipe, Gator Grip. Entire Tic Tac Toe Panel shall measure 37-5/16" in width and 36-1/4" in height. Model #s 714-602-11B and # 714-602-15B shall comprise an 11 ga. sheet panel, with two 35" rungs and two 41-1/2" rungs of 1" pipe, Gator Grip. Entire Steel Window Panel and Steel Steering Wheel Panel shall measure 41-1/2" in width and 36-1/4" in length. Steering Wheel and knob shall be constructed of aluminum. Model # 714-602-12B shall comprise an 11 ga. sheet panel and an arch rung, bottom and side enclosure rungs, and a top rung constructed of 1-1/4" tube, all solid welded. Entire Steel Door Panel assembly shall measure 41-1/2" in width and 36-1/4" in height. Model # 714-602-13B shall comprise two panels of 11 ga. sheet, and horizontal supports, top tube frames, vertical supports, and a bottom rung of 1-1/4" tube, all solid welded. Entire Steel Counter Panel assembly shall measure 41-1/2" in width and 18-1/16" in height. Model # 714-602-14B shall comprise an 11 ga. sheet panel, with side enclosures and rungs of 1-1/4" tube, all solid welded. Entire Valance assembly shall measure 41-1/2" in width and 12-1/16" in height.

#### **Tic Tac Toe Cylinders (714-602-10B only):**

Tic Tac Toe cylinders shall be constructed of cast aluminum with etched "x's" and "o's". Cylinders will attach to panel via an axle constructed of 1" O.D. x 14 ga. tube, A-60 with stainless steel hardware and plastic spacers.

#### **Fasteners:**

Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

#### **Finishes:**

The rungs, clamps, and steel panels shall have a Mira-Cote finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.



# Product Specifications

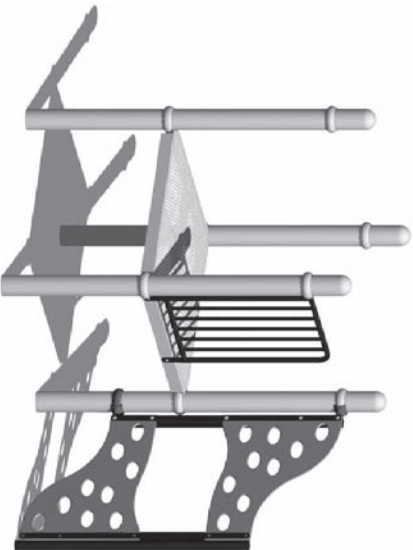
January 28, 2008

Rev. A

**MIRACLE** Kids' Choice®  
RECREATION EQUIPMENT COMPANY Wavy Wedge Wall Walker

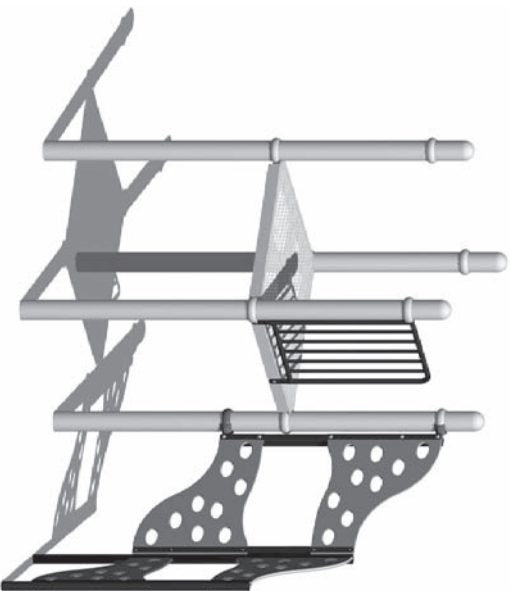
**714-608-3**

Wavy Wedge Wall Walker,  
3' or 3'-6" Deck



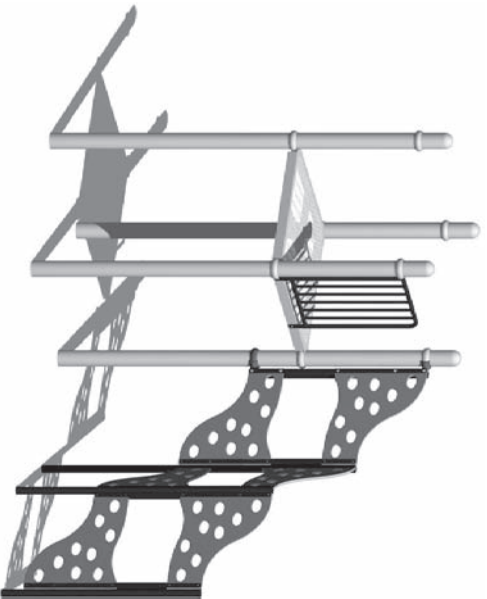
**714-608-5**

Wavy Wedge Wall Walker,  
4', 4'-6" or 5' Deck



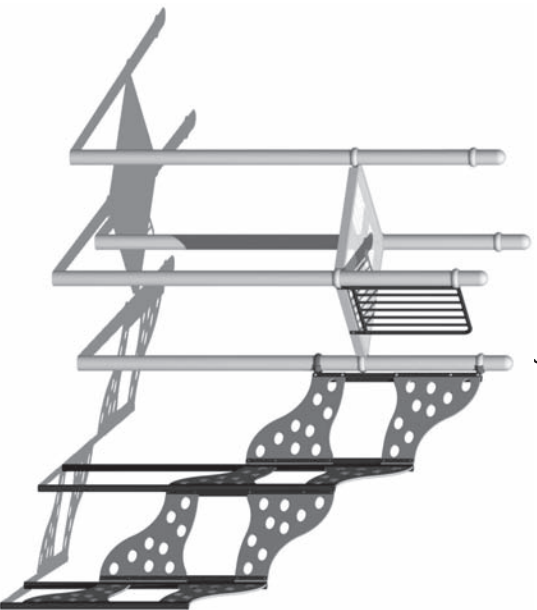
**714-608-6**

Wavy Wedge Wall Walker,  
5'-6", 6' or 6'-6" Deck



**714-608-8**

Wavy Wedge Wall Walker,  
7', 7'-6" or 8' Deck



Wavy Wedge Wall Walker



Kids' Choice®  
**Wavy Wedge Wall Walker**

<u>MODEL #</u>	<u>PRODUCT</u>	<u>PROT. AREA</u>	<u>GRND SPACE</u>	<u>CONCRETE</u>
714-608-3	Wavy Wedge Wall Walker, 3' or 3'-6" Deck	16'-4" x 16'-11"	3'-11" x 3'-8"	0.56 cu. yds.
714-608-5	Wavy Wedge Wall Walker, 4', 4'-6" or 5' Deck	18'-7" x 16'-11"	5'-11" x 3'-11"	0.61 cu. yds.
714-608-6	Wavy Wedge Wall Walker, 5'-6", 6' or 6'-6" Deck	21'-9" x 16'-11"	9'-1" x 3'-11"	0.65 cu yds.
714-608-8	Wavy Wedge Wall Walker, 7', 7'-6" or 8' Deck	24' x 17'-5"	11'-4" x 4'-10"	0.69 cu yds.

**DESCRIPTION**

The Wavy Wedge Wall Walker is a graduated, challenging ground-to-deck climber featuring waved panels with hand and foot holds for an exhilarating wall scaling experience.

**MATERIALS**

**Panels:** Panels shall be constructed of 3/4" thick Mira-Lene.

**Panel Bracket:** Panel Bracket shall be constructed of 11 ga. sheet.

**Posts/Post Brackets:** Posts shall be constructed of 2" pipe. Post brackets shall be constructed of 7 ga. sheet, solid welded to posts. All posts shall be topped with a 2" pipe cap. Post for 8' height shall measure 148", 6'-6" shall measure 130", 5' shall measure 112", end post shall measure 94".

**Deck Attachment Tube:** Deck attachment tube shall be constructed of 2" square tube with a square cap of 12 ga. sheet and stub support arms of 1" pipe. Assembly shall be solid welded. Deck attachment tube shall measure 56" in length.

**Enclosure:** One sided enclosure shall comprise an outer upright, cross bars, and enclosure upright of 1" pipe. Spokes shall be constructed of 3/4" x 1" oval tube.

**Fasteners:** All models shall contain Versalok Fasteners and Fastener Style A hardware.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.



# Product Specifications

## Kids' Choice<sup>®</sup> How Tall RU Panel



<u>MODEL #</u>	<u>PRODUCT</u>	<u>GRD SPACE</u>	<u>PROT AREA</u>	<u>CONCRETE</u>
714-633	How Tall RU Panel	8" x 3-3/4"	13'-2" x 12'-9 3/4"	N/A

**DESCRIPTION**

The How Tall RU Panel is an easy, colorful way for kids to see how quickly they grow. Simple post mounted Panel is marked in both centimeters and feet.

**MATERIALS**

- Panel:** The panel shall be constructed of Mira-Lene with all corners rounded. Panel shall have routed inches/feet and centimeters. Panel shall measure 39 7/8" x 8".
- Brackets:** Brackets shall be constructed of 11 ga. A-60 sheet.
- Fasteners:** Each assembly shall contain Fastener Style A hardware.
- Finishes:** Panel and brackets shall have a Mira-Cote finish.



# Miracle *Product Specifications*

July 26, 2013

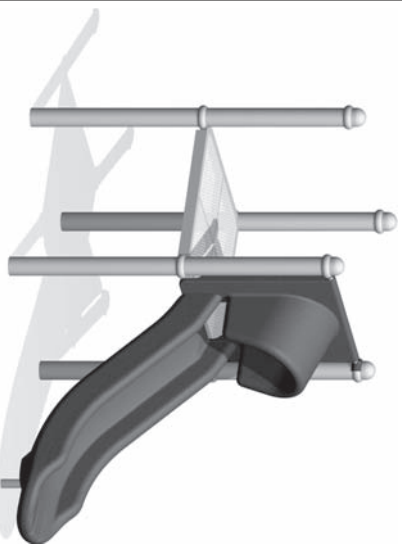
Rev. B

Kids' Choice®

## Groove II® Slides

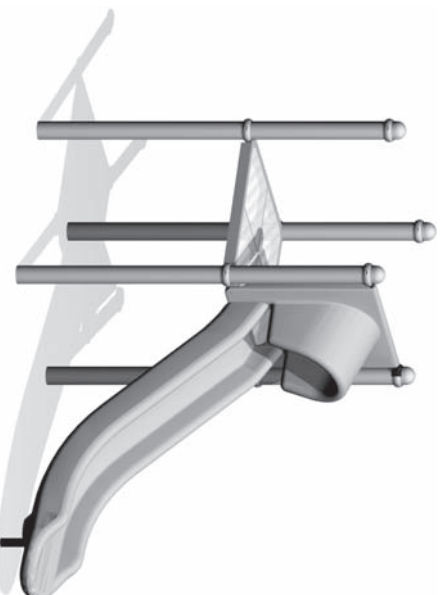
### 714-638-4

4' Groove II Slide



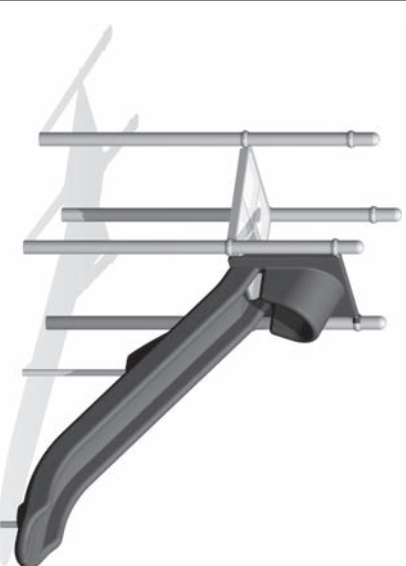
### 714-638-5

5' Groove II Slide



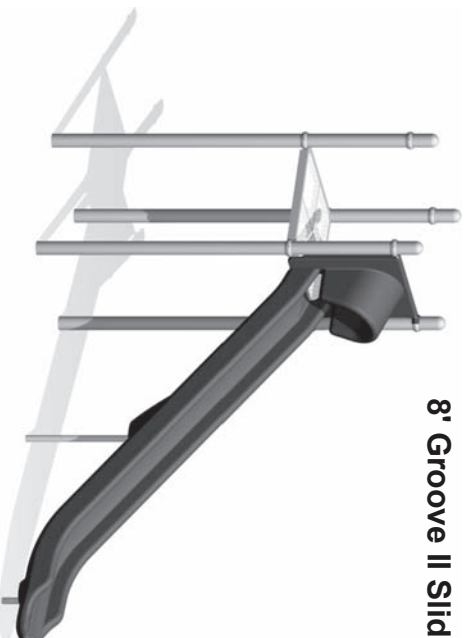
### 714-638-6

6' & 6'-6" Groove II Slide



### 714-638-8

8' Groove II Slide



<u>MODEL #</u>	<u>PRODUCT</u>	<u>GRND SPC.</u>	<u>PROT. AREA</u>	<u>CONCRETE</u>
714-638-4	4' Groove II Slide	2'-2" x 5'-9"	16' x 15'	.04 cu. yds.
714-638-5	5' Groove II Slide	2'-2" x 7'-6"	20' x 15'	.04 cu. yds.
714-638-6	6' & 6'-6" Groove II Slide	2'-2" x 10'-3"	24' x 15'	.08 cu. yds.
714-638-8	8' Groove II Slide	2'-2" x 13'-1"	28' x 15'	.08 cu. yds.

### DESCRIPTION

The Groove II Slides features a hooded canopy and a streamline slide design. Groove II is designed to exit from either a 4', 5', 6', 6'-6" or 8' Deck.

## Kids' Choice® Groove II® Slides

### MATERIALS:

#### **Slide:**

The canopy panel and one-piece slide shall be constructed of double wall Rockite. The slide shall have 6" high side rails, an overall width of 25", an 18" wide sliding surface and approximate 7' (714-638-4), 9' (714-638-5), 12' (714-638-6) and 15' (714-638-8) bedway length. The canopy panel shall be field mounted to deck and to post clamps via a 41-1/2" long rung constructed of 1" pipe.

#### **Legs:**

The legs shall be 2" pipe, welded to an 11 ga. A-60 Galvannealed mounting bracket.

#### **Fasteners:**

Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

#### **Finishes:**

The rung, legs, and clamps shall have a Mira-Cote finish. The Rockite slide and canopy shall have molded-in color.



# Miracle *Product Specifications*

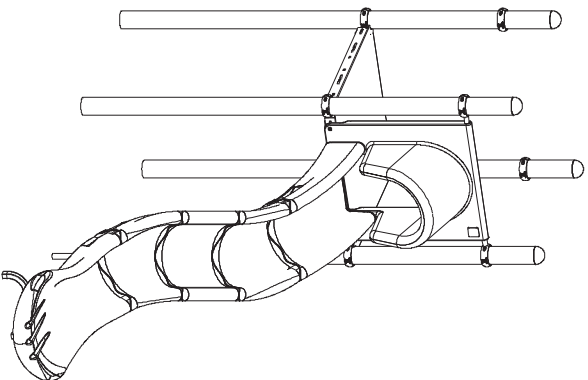
March 19, 2014

Rev. B

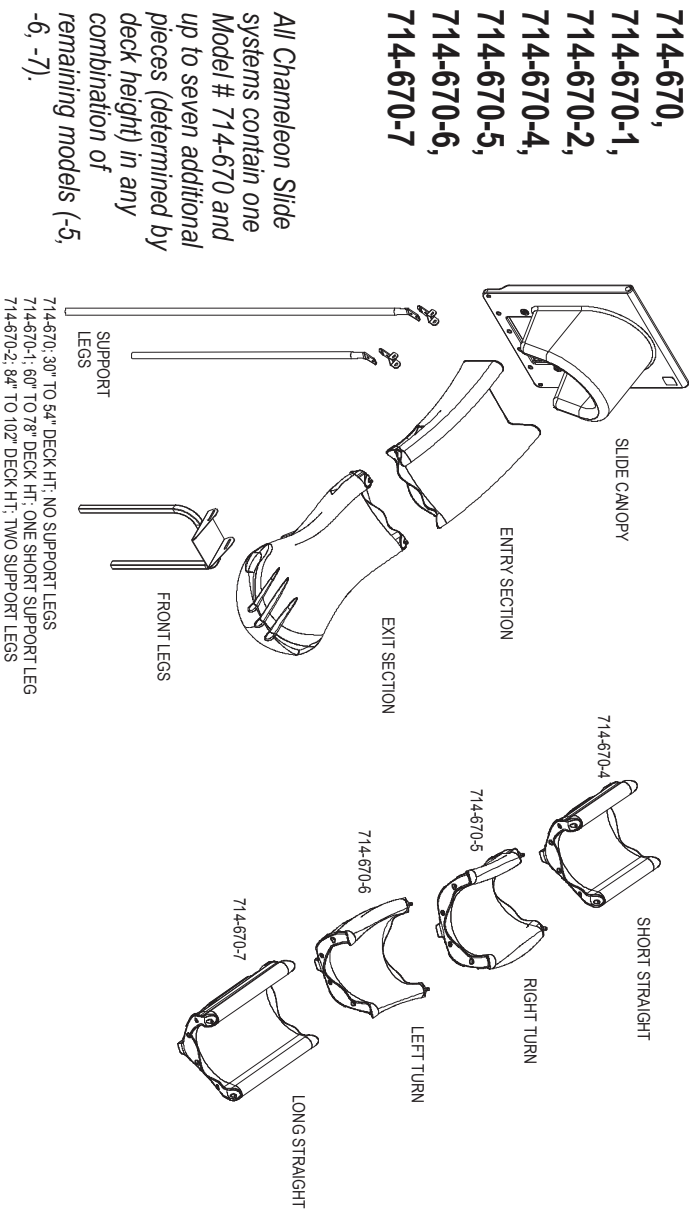
Kids' Choice®

## Chameleon II Slide System

### Chameleon II Slide (Sample)



#### SECTIONAL SLIDE COMPONENTS



Chameleon Slide System

714-670, 714-670-1, 714-670-2, 714-670-4, 714-670-5, 714-670-6, 714-670-7



Kids' Choice®  
**Chameleon II Slide System**

<u>MODEL #</u>	<u>PRODUCT</u>
714-670	Chameleon II Entry & Exit 2'-6" - 4'-6"
714-670-1	Chameleon II Entry & Exit 5' - 6'-6"
714-670-2	Chameleon II Entry & Exit 7' - 8'-6"
714-670-4	Chameleon II Short Straight Section
714-670-5	Chameleon II Right Section
714-670-6	Chameleon II Left Section
714-670-7	Chameleon II Long Straight Section

*Note: Ground space and protective area required are dependent upon the specific configuration. Footings for the assembly require 0.05 cu. yds. of concrete for models attached to decks 3', 0.10 cu. yds. of concrete for models attached to decks 5' and 4', 0.15 cu. yds. of concrete for models attached to decks 6', 6'-6" and 8'.*

**DESCRIPTION**

The Chameleon Slide System features interchangeable bedway sections to present maximum versatility in design configuration. The componentized, open bedway slide assembly may be attached to 2'-6" - 8'-6" decks.

**MATERIALS**

**Slide Assembly:** The bedway sections, entry panel and exit section shall be constructed of double wall Rockite with a 18" bedway and 13-3/4" high sidewalls. The entry panel shall be supported by a rung of 1" pipe.

**Front Leg:** The front leg shall be constructed of 1.5" X 16 ga. square tube and a bracket of 7 ga. galvanized sheet steel.

**Support Legs:** Support legs shall be constructed of 1.66 OD x 13 ga. tube and a mounting bracket of 7 ga. sheet, solid welded.

Shall be constructed of 7 ga. galvanized sheet steel, solid welded.

**Leg Bracket:** The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

**Fasteners:** The rung, front leg, support legs and leg brackets shall have a Mira-Cote finish. The Rockite slide sections shall have color molded in.

**Finishes:**

714-670, 714-670-1, 714-670-2, 714-670-4, 714-670-5, 714-670-6, 714-670-7

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.



# Miracle *Product Specifications*

June 10, 2019

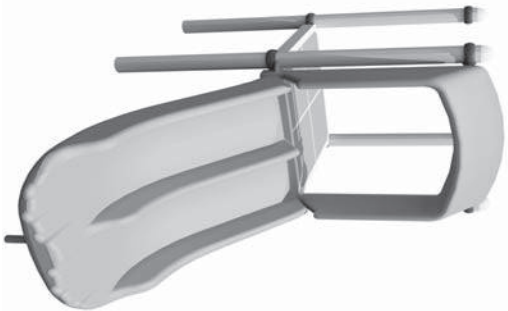
Rev. M

Kids' Choice®

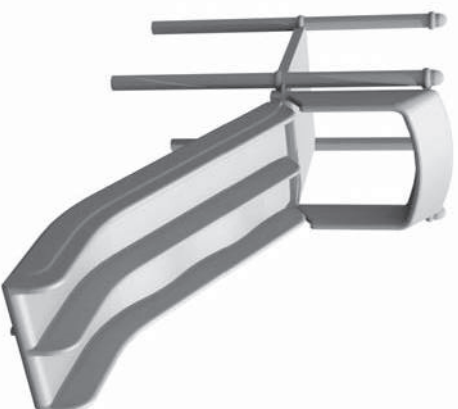
## Side-by-Side Slide, Bump & Glide Slides and Bunny Hill Slide

**714-700**

Slide 5' Side-by-Side w/Canopy 3' Deck    Slide Bump & Glide One Piece 4' Deck

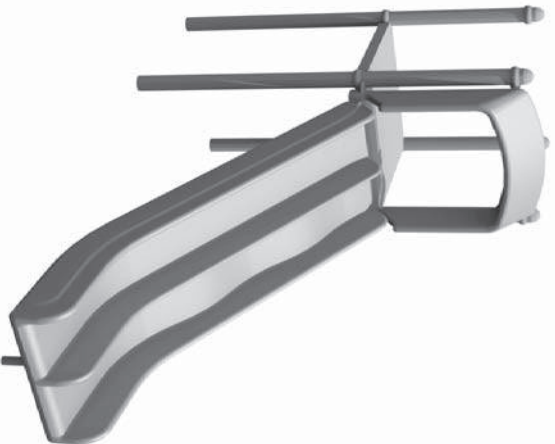


**714-728-4**



**714-728-5**

Slide Bump & Glide One PC  
4'-6", 5', 5'-6" DK



**714-736**

Slide Bunny Hill w/Canopy 3' Deck



Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

Kids' Choice®

Side-by-Side Slide, Bump & Glide Slides and Bunny Hill Slide

MODEL	PRODUCT	GRND SPACE	PROT. AREA	CONCRETE
714-700	Slide 5' Side-by-Side w/Canopy 3' Deck	4'-1" x 5'-8"	16' x 18'-1"	.05 cu. yds.
714-728-4	Slide Bump & Glide One Piece 4' Deck	4'-1" x 8'-11"	16'-1" x 22'-5"	.10 cu. yds.
714-728-5	Slide Bump & Glide One PC 4'-6", 5', 5'-6" DK	4'-1" x 10'-1"	16'-1" x 24'-6"	.10 cu. yds.
714-736	Slide Bunny Hill w/Canopy 3' Deck	4'-1" x 7'-5"	16'-3" x 19'-10"	.05 cu. yds.

DESCRIPTION

Model 714-700 is a dual bedway Groove slide for 3' Deck; Model 714-728-4 and 714-728-5 are double bedway slides for a 4' deck and 5' deck respectively, with one bedway Mogul, the other Groove; Model 714-736 is a single wide-bedway Groove slide for a 3' deck. Each slide features a Rockite canopy.

MATERIALS

**Side-by-Side Slide:** The slide shall be constructed of Rockite with threaded fasteners incorporated for assembly. The dimensions shall be: each bedway width, 17"; outside overall, 42"; rail width, 3"; top of bedway to top of rail, 4'-1/2"; bedway thickness, 3"; and bedway length, 5'-5".

**Bump & Glide Slides:**The slide shall be constructed of Rockite with threaded fasteners incorporated for assembly. The dimensions shall be: bedway width, 16'-1/4"; outside overall, 40"; inside rail width, 1'-1/4"; outside rail widths, 1'-1/2"; top of bedway to top of rail, 7'-1/2" - 8'-1/2"; bedway thickness, 4'-1/2" - 5'-1/2"; and bedway length, approximately 8' (for 714-728-4) and 10' (for 714-728-5.)

**Bunny Hill Slide:** The slide shall be constructed of Rockite with threaded fasteners incorporated for assembly. The dimensions shall be: bedway width, 31'-1/4"; outside overall, 40"; rail width, 3'-5/8"; top of bedway to top of rail, 6'-1/2"; and bedway thickness, 4'-1/2".

**"T" Leg:** The front "T" leg, and middle leg for Model 714-728-4 and 714-728-5, shall comprise an upright and a top. The upright shall be constructed of 2" pipe with a 1'-1/4" x 3'-1/4" channel top constructed of 11 ga. sheet, welded to the upright in a "T" configuration.

**Canopy:** The canopy shall be constructed of Rockite with threaded fasteners incorporated for assembly. The canopy shall have an inside width of 39" and an outside width of 44" and shall be slanted at 37 degrees. It shall be field-attached to the posts via clamps and a 41'-1/2" rung of 1" pipe.

**Fasteners:** Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

**Finishes:** The Rockite slide and canopy shall have color molded in. The legs, rung, and clamps shall have a Mira-Cote finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

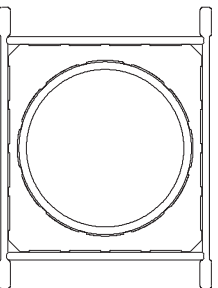
# Miracle *Product Specifications*

Rev. U

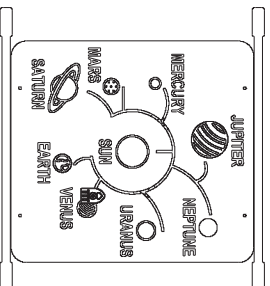
Kids' Choice®

## Imagination Panels & Activity Panels - Below Deck

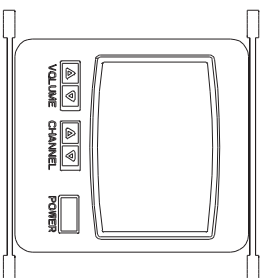
**714-602-6B:**  
Steel Panel, Crawl Through



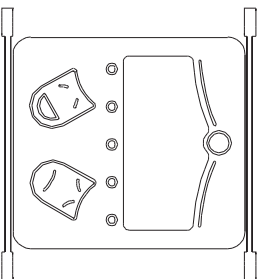
**714-617-B:**  
Space Ship Panel



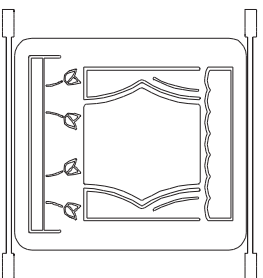
**714-713-1B:**  
Television Panel



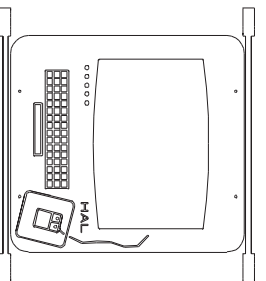
**714-713-2B:** Puppet Stage Panel



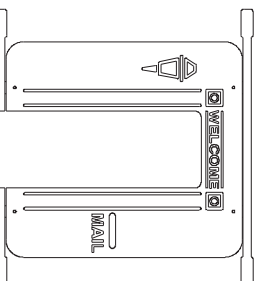
**714-713-3B:** Window Panel



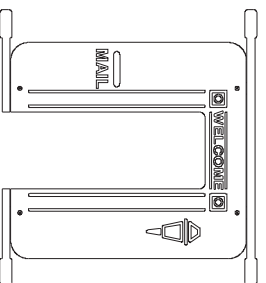
**714-713-4B:** Computer Panel



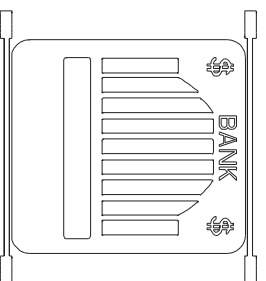
**714-713-5B:** Door Panel



**714-713-5RB:** Door Panel, Reversed



**714-713-6B:** Bank Teller Panel

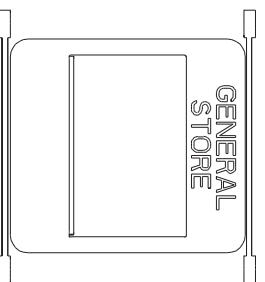


### Imagination & Activity Panels (Below Deck)

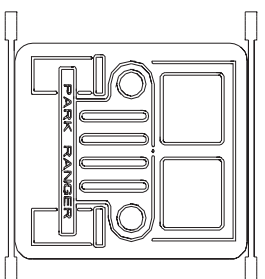
718-617, 718-713-1B, 718-713-2B, 718-713-3B, 718-713-4B, 718-713-5B, 718-713-5RB, 718-713-6B, 718-713-7B, 718-713-8B, 718-714-1B, 718-714-2B, 718-714-3B, 718-714-4B, 718-714-5B, 718-714-6B, 718-714-7B, 718-714-8B, 718-715-1B, 718-715-2B, 718-715-3B, 718-715-4B, 718-715-5B, 718-715-6B, 718-715-7B, 718-715-10B, 718-715-11B, 718-715-12B, 718-715-15B, 718-715-13B, 718-761-2B, 718-761-3B, 718-761-4B

Kids' Choice®  
**Imagination Panels & Activity Panels - Below Deck**

**714-713-7B: General Store Panel**



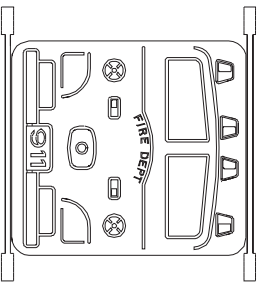
**714-714-1B: Park Ranger Panel**



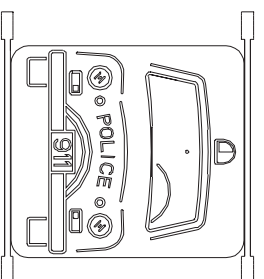
**714-713-8B: Ticket Panel**



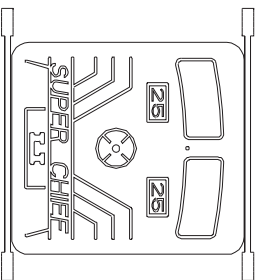
**714-714-2B: Fire Truck Panel**



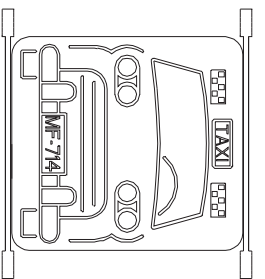
**714-714-3B: Police Panel**



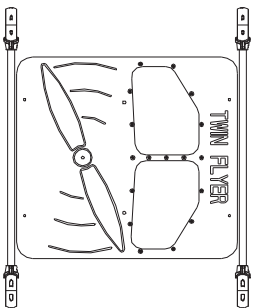
**714-714-4B: Train Panel**



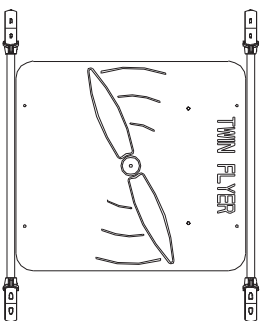
**714-714-5B: Taxi Panel**



**714-714-6B: Pilot Panel With Window**



**714-714-7B: Pilot Panel**

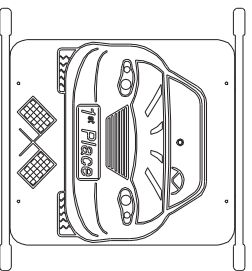




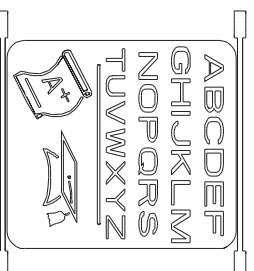
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## Imagination Panels & Activity Panels - Below Deck

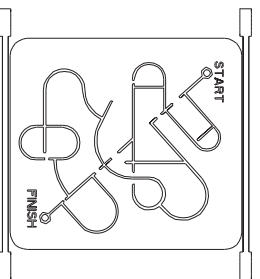
**714-714-8B: Race Car Panel**



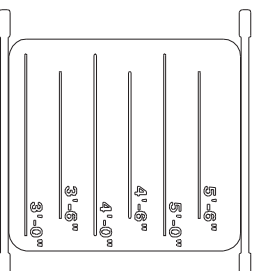
**714-715-1B: Alphabet Panel**



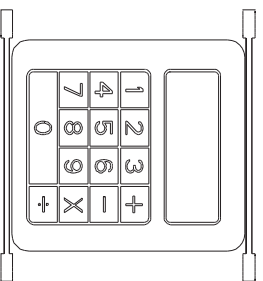
**714-715-2B: Finger Maze Panel**



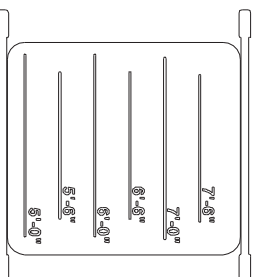
**714-715-3B: 3' Jump Panel**



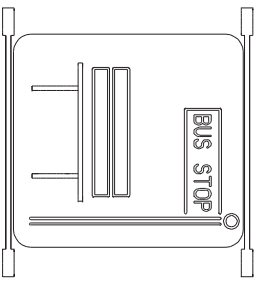
**714-715-4B: Calculator Panel**



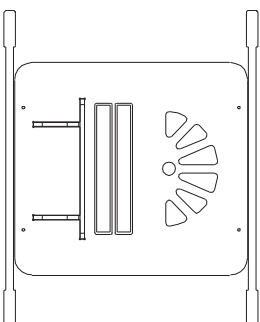
**714-715-5B: 5' Jump Panel**



**714-715-6B: Bus Stop Panel**



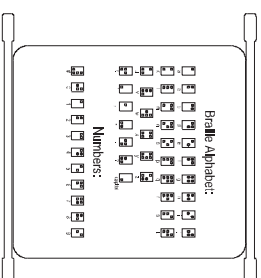
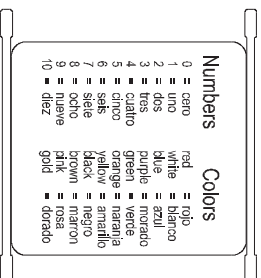
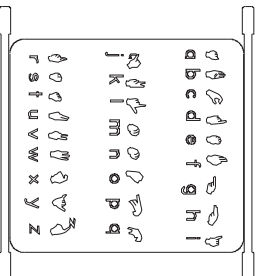
**714-715-7B: Rest Stop Panel**



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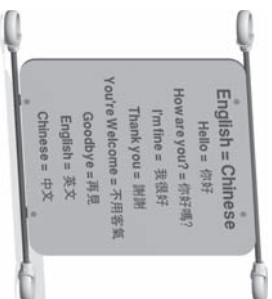
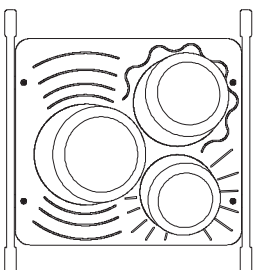
# Imagination Panels & Activity Panels - Below Deck

**714-715-10B: Sign Language Panel**      **714-715-11B: Spanish Panel**      **714-715-12B: Braille Panel**



**714-715-13B: Calypso 3-Drum Panel**

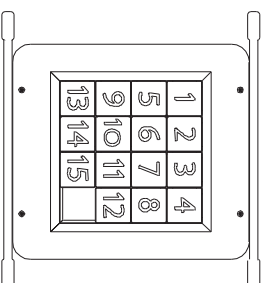
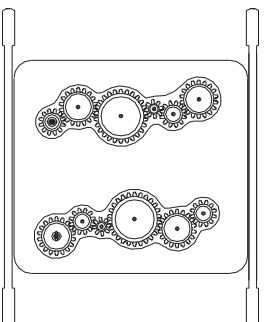
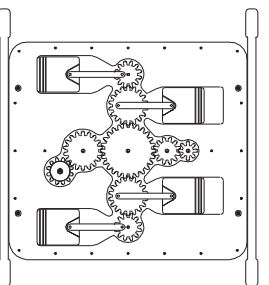
**714-715-15B: Chinese Panel**



**714-761-2B: Piston Panel**

**714-761-3B: Gear Panel**

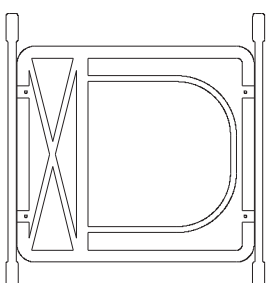
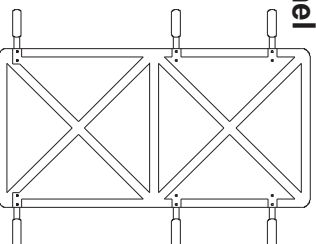
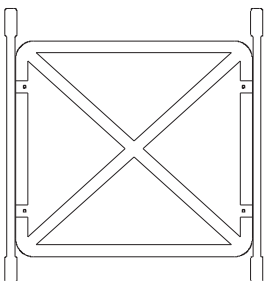
**714-761-4B: Sliding Tile Panel**



**714-895-1B: Barn Wall Panel**

**714-895-2B: Barn Door Panel**

**714-895-3B: Barn Window Panel**



## Kids' Choice® Imagination Panels & Activity Panels - Below Deck

MODEL #	PRODUCT	MODEL #	PRODUCT
714-620-6B	Steel Panel, Crawl Through	714-714-8B	Race Car Panel
714-617-B	Space Ship Panel	714-715-1B	Alphabet Panel
714-713-1B	Television Panel	714-715-2B	Finger Maze Panel
714-713-2B	Puppet Stage Panel	714-715-3B	3 Jump Panel
714-713-3B	Window Panel	714-715-4B	Calculator Panel
714-713-4B	Computer Panel	714-715-5B	5 Jump Panel
714-713-5B	Door Panel	714-715-6B	Bus Stop Panel
714-713-5RB	Door Panel, Reversed	714-715-7B	Rest Stop Panel
714-713-6B	Bank Teller Panel	714-715-10B	Sign Language Panel
714-713-7B	General Store Panel	714-715-11B	Spanish Panel
714-713-8B	Ticket Panel	714-715-12B	Braille Panel
714-714-1B	Park Ranger Panel	714-715-13B	Calypso 3-Drum Panel
714-714-2B	Fire Truck Panel	714-715-15B	Chinese Panel
714-714-3B	Police Panel	714-761-2B	Piston Panel
714-714-4B	Train Panel	714-761-3B	Gear Panel
714-714-5B	Taxi Panel	714-761-4B	Sliding Tile Panel
714-714-6B	Pilot Panel with Window	714-895-2B	Barn Door Panel
714-714-7B	Pilot Panel	714-895-1B	Barn Wall Panel
		714-895-3B	Barn Window Panel

### DESCRIPTION

These representational activity panels, designed to stimulate imagination and creative play, may be freestanding, clustered or below deck. Vehicle-themed panels feature a steering wheel assembly. The Piston Panel and Gear Panel contain dynamic, user-driven parts sealed behind a transparent, tamper-resistant cover. The Sliding Tile Panel contains 15 routed, moveable tiles with one empty space challenging users to shift the tiles into proper sequence. The Calypso Panel allows musical expression with molded drums that may be struck with the hands to create different sounds.

### MATERIALS

#### Panels:

The panels shall be constructed of Miracle-ne with all corners rounded. Panels shall measure 36-1/2" x 40" and shall contain routed designs in several themes. The panel shall be supported between posts by top and bottom rungs of 1" pipe, each with two tabs of 11 ga. A-60 Galvannealed sheet, solid welded.

#### Steel Panel, Crawl Through

The steel crawl through panel shall comprise rungs and a ring of 1" pipe, Gator Grip, and a 7 ga. sheet, laser cut panel measuring 33-5/8" x 36".

Model # 714-620-6B only

#### Pilot Panel w/ Window:

In addition to the above materials and specifications, Model # 714-714-6B shall feature a window of clear polycarbonate mechanically fastened to panel.

Model # 714-714-6B only

#### Barn Door Panel:

In addition to the above materials and specifications, Model # 714-895-2B shall be supported between posts by top, middle and bottom rungs of 1" pipe, each with two tabs of 11 ga. A-60 Galvannealed sheet, solid welded. Panel shall measure 36-1/2" x 71-1/2".

Model # 714-895-2B only

... *continued next page*

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

# Kids' Choice® Imagination Panels & Activity Panels - Below Deck

## **MATERIALS** (continued)

**Gear Panel and  
Piston Panel:**  
Model # 714-761-3B  
and # 714-761-2B only

In addition to above materials and specifications, Model # 714-761-3B shall contain a clear polycarbonate cover mechanically fastened over two side-by-side sets of 1/4" thick gears, to be constructed of high-density polyethylene, which shall turn on nylon bushings, except for the black nylon handles and drive gears which shall turn on bronze bushings. Its opposite side shall contain side-by-side routed finger mazes. Model # 714-761-2B shall contain a cover, gears and knob as described herein, and connecting rod and piston shapes of 1/4" thick high-density polyethylene as well. Its opposite side shall contain routed designs.

**Sliding Tile Panel:**  
Model # 714-761-4B only

In addition to material and specifications detailed in "panels" paragraph, Model # 714-761-4B shall contain 15 moveable, tongue-and-groove tiles with routed numerals constructed of 1/4" thick high-density polyethylene.

**Calypso 3-Drum Panel:**  
Model # 714-715-13B only

In addition to material and specifications detailed in "panels" paragraph above, model # 714-715-13B shall contain 3 rotational molded drums of low density polyethylene resin. Each drum is attached to the panel through a cover plate constructed of 11 ga. galvanized steel sheet with a Mira-Cote finish.

**Steering Wheel:**

The steering wheel on vehicle-themed panels shall be constructed of a high density polyethylene produced from high performance, U.V. stabilized rotational molding grade resins with a comprehensive additive package. These resins are tested in accordance with ASTM testing procedures D-1505, D-1248, D-1693 (b), D-638, D-790 and D-746. Resin's properties shall exhibit a balance of toughness, rigidity, environmental stress crack resistance and excellent low temperature impact performance. Wall thickness shall be 1/8". The steering wheel hub cover shall be constructed of injection molded polypropylene which shall contain U.V. light stabilizers. Model # 714-714-6B and # 714-714-7B contain two side-by-side steering wheels.

**Star Brackets:**

Themed for Space Ship Panel, star brackets shall be constructed of 11 ga. HRPO steel and powder coat painted.

**Fasteners:**

Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

**Finishes:**

The steering wheel and two-color panels shall have molded-in color. The rungs, clamps, and steel panel shall have a Mira-Cote finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.



# Miracle *Product Specifications*

March 15, 2013

Rev. E

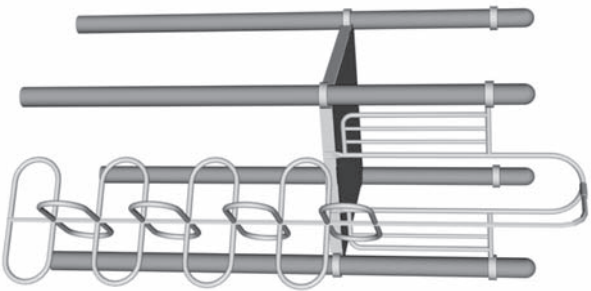
Kids' Choice®

**Vertical Climbers** Trap Door Climber, Climbing Pole, Spider Climber, Spiral Climber, Wiggly Worm Climber & Bumper Ladder

**714-731\* & 714-731-6**

**Trap Door Climber for 6'-6" Deck**

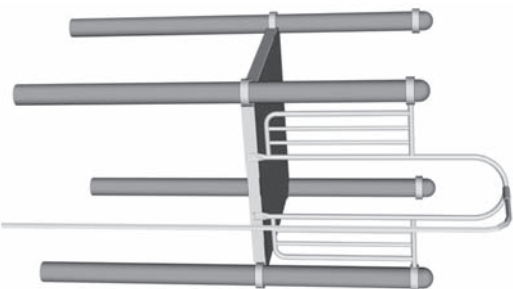
\* Model # 714-731 Trap Door Climber for 3' or 5' Deck not shown.



**714-808 & 714-808-8\***

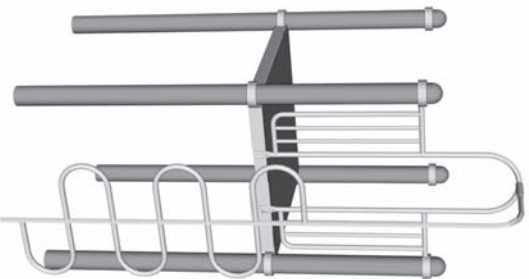
**Climbing Pole for 3', 5' or 6'-6" Deck**

\* Model # 714-808-8 Climbing Pole for 8' Deck not shown.



**714-908**

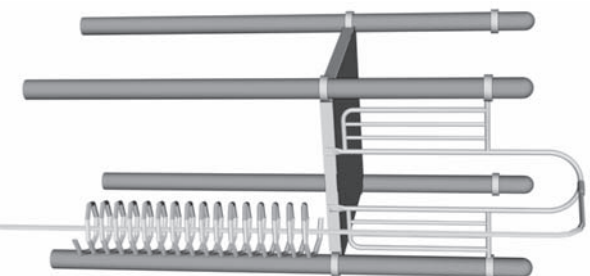
**Spider Climber for 3', 5' or 6'-6" Deck**



**714-969 & 714-969-5**

**Spiral Climber for 6'-6" Deck**

\* Model # 714-969-5 Spiral Climber for 3' or 5' Deck not shown.



**Vertical Climbers**

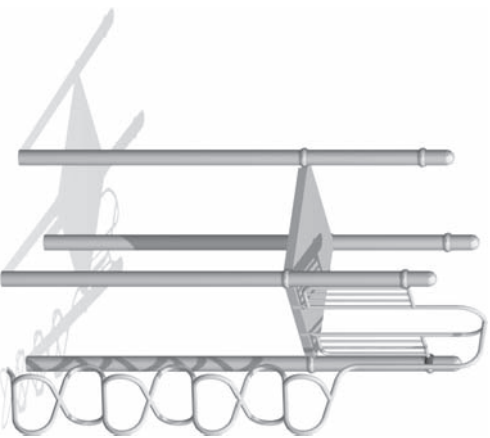
714-731, 714-731-6, 714-808, 714-808-8, 714-908, 714-969, 714-969-5,  
714-974-6, 714-974-8, 714-976-3, 714-976-5, 714-976-6

## Vertical Climbers

### 714-974-6\* & 714-974-8

#### Wiggly Worm Climber for 8' Deck

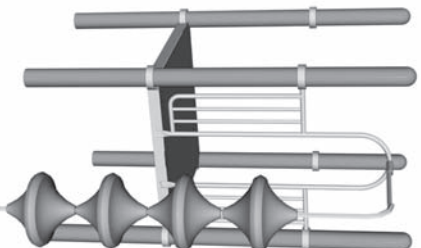
\*Model # 714-974-6 Wiggly Worm Climber for 5' & 6'-6" Deck not shown.



### 714-976-3 & 714-976-5\*

#### Bumper Ladder for 3' Deck

\* Model # 714-976-5 Bumper Ladder for 5' Deck and Model # 714-976-6 Bumper Ladder for 6'-6" Deck not shown.





## Vertical Climbers

MODEL #	PRODUCT	GRND SPC	PROT. AREA	CONCRETE
714-731	Trap Door Climber, 3' or 5' Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-731-6	Trap Door Climber, 6'-6" Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-808	Climbing Pole, 3', 5' or 6'-6" Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-808-8	Climbing Pole, 8' Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-908	Spider Climber, 3', 5' or 6'-6" Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-969	Spiral Climber, 6'-6" Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-969-5	Spiral Climber, 5' Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-974-6	Wiggly Worm Climber, 5' or 6'-6" Deck	3'-0" x 3'-9"	9'-0" x 15'-9"	0.05 cu. yds.
714-974-8	Wiggly Worm Climber, 8' Deck	3'-0" x 3'-9"	9'-0" x 15'-9"	0.05 cu. yds.
714-976-3	Bumper Ladder, 3' Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-976-5	Bumper Ladder, 5' Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-976-6	Bumper Ladder, 6'-6" Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.

### DESCRIPTION

These challenging vertical climbers are used for access to and egress from deck systems of various heights. The assemblies contain arched enclosures for field assembly to decks.

### MATERIALS

**Trap Door Climber:** The pole shall be die-formed 1-1/4" pipe. The pole extension and "U" shaped rungs shall be die-formed 1" pipe. The assembly shall be solid welded.

**Climbing Pole:** The climbing pole shall be constructed of 1" pipe, 12 ga.

**Spider Climber:** The pole and "U" shaped rungs shall be die-formed 1" pipe. The spider climber shall be a welded assembly.

**Spiral Climber:** The spiral climber and extension tube shall be entirely constructed of 1" pipe, formed, drilled and all solid welded construction with plastic pipe plugs inserted in open ends.

**Wiggly Worm Climber:** The assembly shall comprise loops solid welded to frames, all of 1-1/4" pipe, 10 ga.

**Bumper Ladder:** The "top" shaped bumper shall be constructed of Rockite supported internally by a pole constructed of 1" pipe, 10 ga. Each bumper shall measure 18" high x 19" wide.

**Arch Enclosure:** The enclosure assembly shall consist of top supports, an extension tube, and an arched upright, which shall be constructed of 1" pipe, drilled, formed, and mashed, and vertical rungs which shall be constructed of 1" tube. The enclosure assembly shall be solid welded.

**Fasteners:** The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

**Finishes:** The climber assemblies, arch enclosure, and clamps shall have a Mira-Cote finish. The Rockite bumpers used on Bumper Ladders shall have color molded in.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of the underlined items.

# Product Specifications



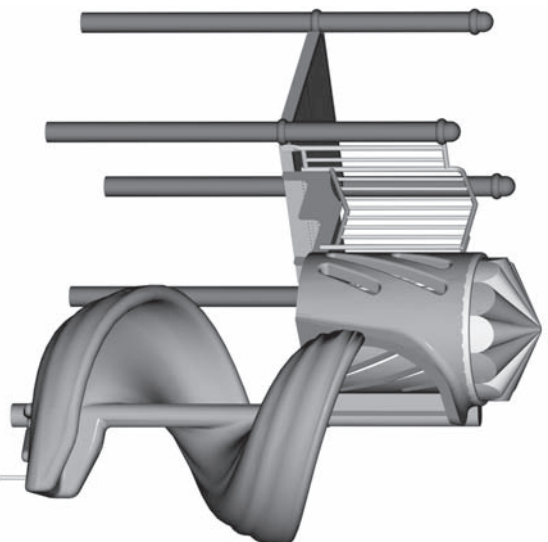
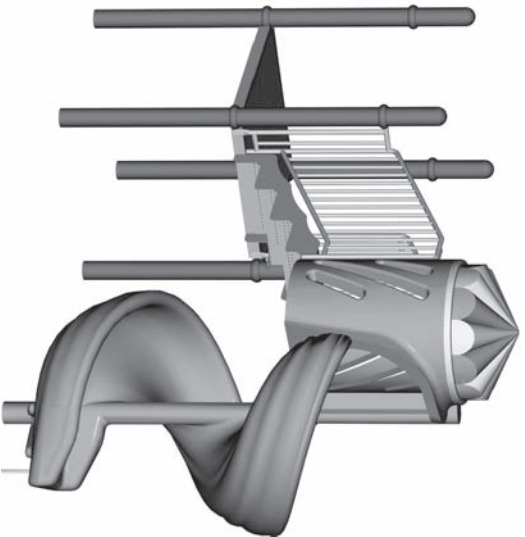
Kids' Choice® - Mira-Therm II

**MIRACLE** 405° Typhoon Slides from 4' Deck and 5' Deck  
RECREATION EQUIPMENT COMPANY

714-749-49 and 714-749-59

Typhoon Slide from 4' Deck

Typhoon Slide from 5' Deck



Typhoon Slides

714-749-49, 714-749-79



Kids' Choice® - Mira-Therm II

**MIRACLE** 405° **Typhoon Slides** from **4'** Deck and **5'** Deck  
RECREATION EQUIPMENT COMPANY

<u>MODEL #</u>	<u>PRODUCT</u>	<u>OVERALL HT.</u>	<u>GRND. SPC.</u>	<u>PROT. AREA</u>	<u>CONC.</u>
714-749-49	Typhoon Slide from 4' Deck	approx. 10'-2"	8'-9" x 5'-10"	23'-1" x 19'-2"	0.35 cu. yds.
714-749-59	Typhoon Slide from 5' Deck	approx. 10'-2"	7'-6" x 5'-10"	21'-3" x 19'-2"	0.35 cu. yds.

**DESCRIPTION**

These spiral slides are 405°, one-piece open bedway slides, with 6'-2" platforms and step assemblies.

**MATERIALS**

**Slide Assembly:** The slide bedway shall be constructed of 1/4" to 5/16" wall Rockite. The slide bedway shall be 30" wide with a 15" high side wall. The center post shall be constructed of 4" pipe.

**Step Assembly:** The step assembly shall be constructed of 11 ga. steel sheet folded and perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center, solid welded to stringers of 7 ga. black steel.

**Handrail Assembly:** The handrail assembly shall consist of a top and bottom rail and newell post formed, constructed of 1" pipe with infill of 1" tube. The step enclosure assembly shall be solid welded. Plastic pipe plugs shall close open ends.

**Deck Enclosures:** The deck enclosures shall consist of a vertical rail, and top and bottom rail, formed, constructed of 1" pipe with an upright of 1" tube, and 3/8" aluminum inserts in the rail ends for attachment to the step enclosures. The deck enclosure assembly shall be solid welded.

**Platform and Canopy:** The 35" platform barrel shall be Rockite, with a Rockite canopy available in either one solid color or trimmed in two alternating colors. The barrel shall have molded-in view grooves for viewing children.

**Back-up Plate:** The back-up plate used to connect the step assembly and the barrel shall be constructed of 1/4" x 1" x 6" flat steel.

**Front Leg:** The front leg shall be constructed of 2" pipe and shall be attached to the slide using a channel constructed of 7 ga. sheet.

**Fasteners:** The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

**Finishes:** The Rockite slide and platform canopy shall have color molded-in. The step shall be finished in Mira-Therm. The handrail assemblies, deck enclosures, front leg, front leg channel, and clamps shall have a Mira-Cote finish. The back-up plate shall have an aluminum finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.



Kids' Choice® - Mira-Therm II

**MIRAACLE**  
RECREATION EQUIPMENT COMPANY

ADA Stairs Between Decks - 1', 2', 2'-6" & 1'-6" Rise

**714-810-9 & 714-959-9**

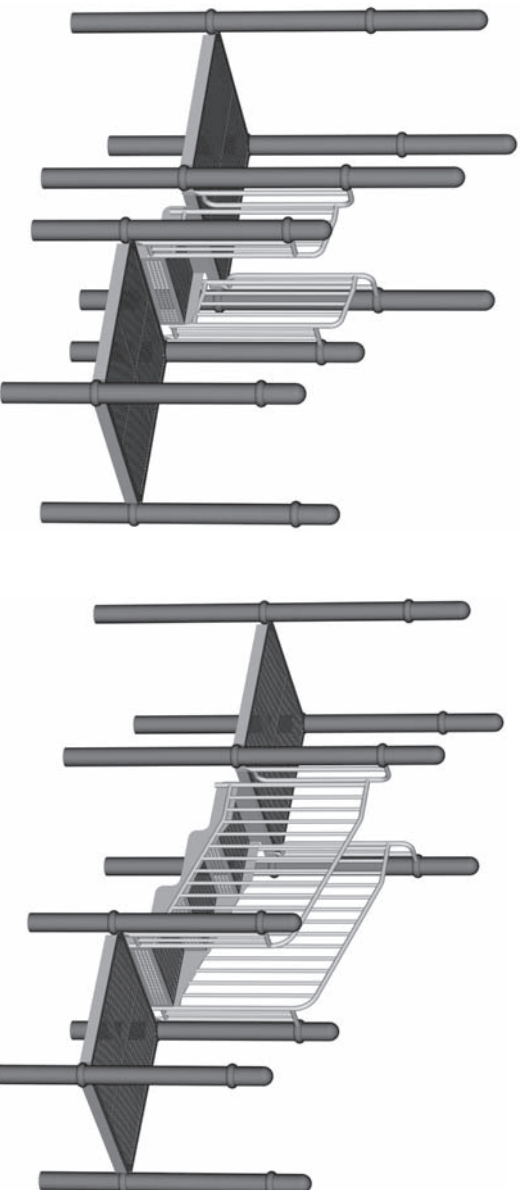
**714-959-59 & 714-959-49**

**714-959-459**

5 additional  
stair models

**Stair (ADA) - 1' Rise Between Decks  
with Spoked Handrails, 1'-4" Span**

**Stair (ADA) - 2' Rise Between Decks  
with Spoked Handrails, 4'-6" Span**



**714-810-9 & 714-959-9**

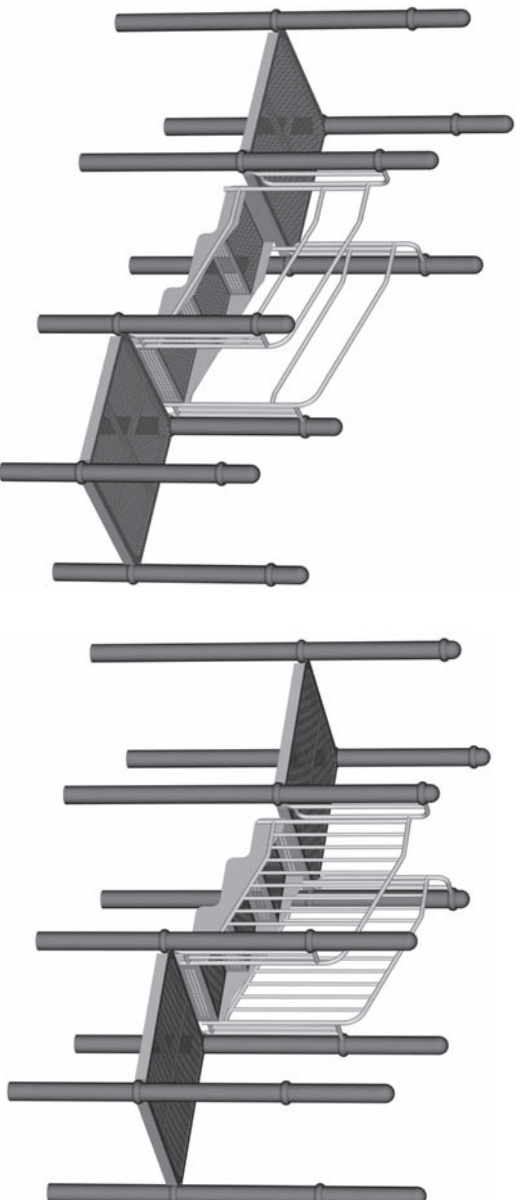
**714-959-59 & 714-959-49**

**714-959-459**

5 additional  
stair models

**Stair (ADA) - 2' Rise Between Decks  
with Open Handrails, 4'-6" Span**

**Stair (ADA) - 2' Rise Between Decks  
with Spoked Handrails, 4'-0" Span**



Kids' Choice® - Mira-Therm II  
**ADA Stairs Between Decks**

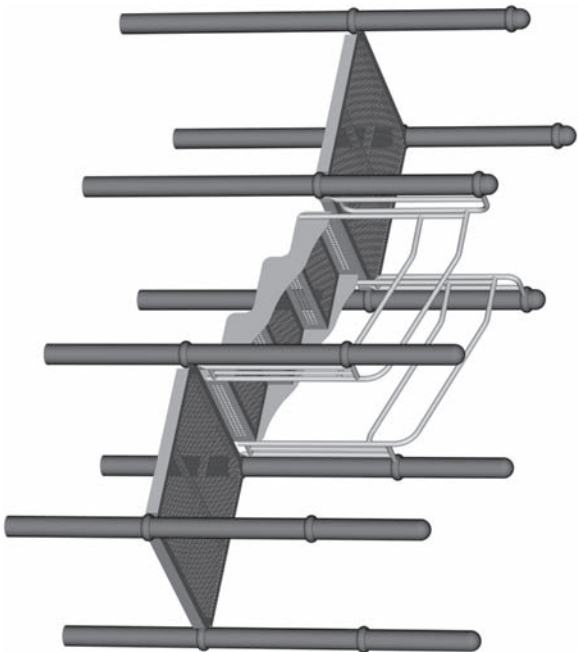
**714-810-9 & 714-959-9**

**714-959-59 & 714-959-49**

**714-959-459**

5 additional  
stair models

**Stair (ADA) - 2' Rise Between Decks  
with Open Handrails, 4'-0" Span**



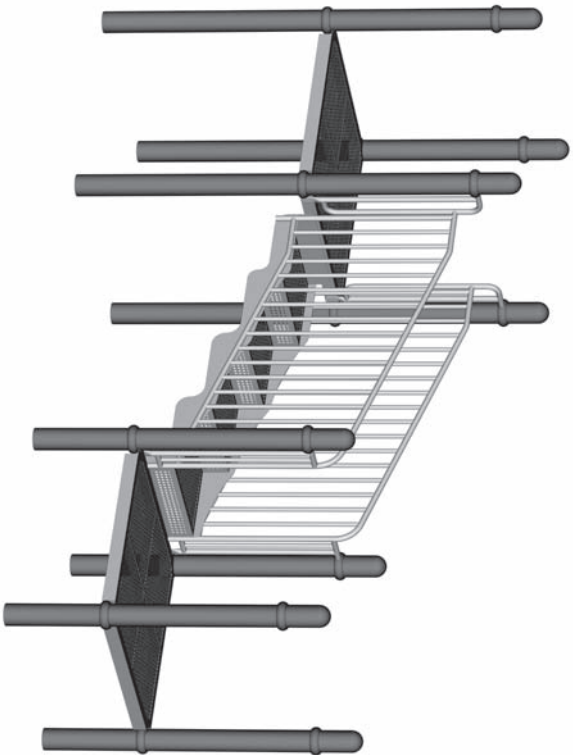
5 additional  
stair models

**714-960-9**

**714-993-9 & 714-993-59**

**714-993-49 & 714-993-459**

**Stair (ADA) - 2'-6" Rise Between Decks  
with Spoked Handrails, 6'-0" Span**





Kids' Choice® - Mira-Therm II

## MIRACLE ADA Stairs Between Decks

RECREATION EQUIPMENT COMPANY

April 14, 2005

Rev. C

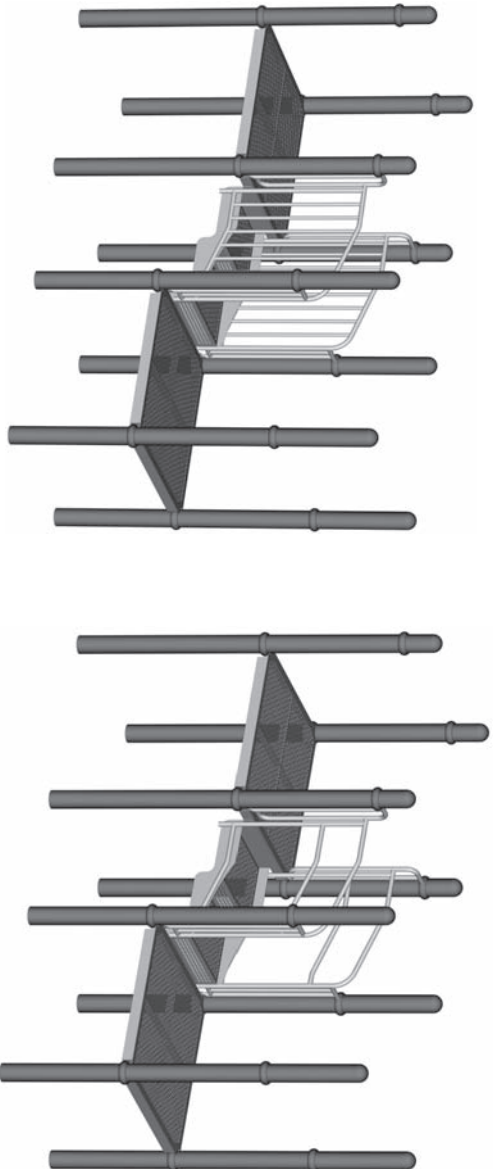
5 additional  
stair models

714-960-9

714-993-9 & 714-993-59

714-993-49 & 714-993-459

**Stair (ADA) - 1'-6" Rise Between Decks with Spoked Handrails, 3'-0" Span**      **Stair (ADA) - 1'-6" Rise Between Decks with Open Handrails, 3'-0" Span**



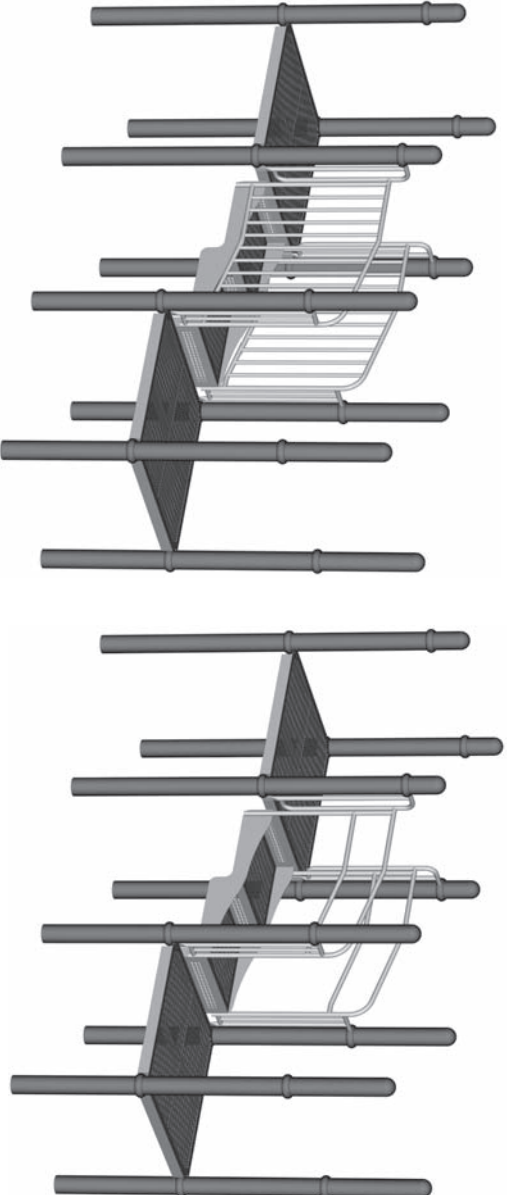
5 additional  
stair models

714-960-9

714-993-9 & 714-993-59

714-993-49 & 714-993-459

**Stair (ADA) - 1'-6" Rise Between Decks with Spoked Handrails, 4'-0" Span**      **Stair (ADA) - 1'-6" Rise Between Decks with Open Handrails, 4'-0" Span**



### ADA Stairs Between Decks

714-810-9, 714-959-9, 714-959-59, 714-959-49, 714-959-459, 714-960-9, 714-993-9, 714-993-59, 714-993-49, 714-993-459



Kids' Choice® - Mira-Therm II  
**ADA Stairs Between Decks**

<u>MODEL #</u>	<u>PRODUCT</u>
714-810-9	ADA Stair Between Decks, 1' Rise, Spoked Handrails, 1'-4" Span
714-959-9	ADA Stairs Between Decks, 2' Rise, Spoked Handrails, 4'-6" Span
714-959-59	ADA Stairs Between Decks, 2' Rise, Open Handrails, 4'-6" Span
714-959-49	ADA Stairs Between Decks, 2' Rise, Spoked Handrails, 4'-0" Span
714-959-459	ADA Stairs Between Decks, 2' Rise, Open Handrail, 4'-0" Span
714-960-9	ADA Stairs Between Decks, 2'-6" Rise, Spoked Handrails, 6'-0" Span
714-993-9	ADA Stairs Between Decks, 1'-6" Rise, Spoked Handrails, 3'-0" Span
714-993-59	ADA Stairs Between Decks, 1'-6" Rise, Open Handrails, 3'-0" Span
714-993-49	ADA Stairs Between Decks, 1'-6" Rise, Spoked Handrails, 4'-0" Span
714-993-459	ADA Stairs Between Decks, 1'-6" Rise, Open Handrails, 4'-0" Span

**DESCRIPTION**

These ADA-compliant stairs connect decks of differing heights and include handrails.

**MATERIALS**

**Steps:**

The wide step assemblies, approximately 26-3/8" before PVC-dip coating, shall be constructed of steel stringers solid welded to formed treads of 11 ga. steel sheet that are perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. The braces shall be constructed of 11 ga. black.

**Spoked Handrails:**

Spoked handrail enclosures shall consist of a top and bottom rail and newel post, all of 1" pipe, and uprights of 3/4" x 1" oval tube, all solid welded. The top rails shall contain 3/8" aluminum inserts. Plastic pipe plugs shall close open ends.

**Open Handrails:**

Open handrail enclosures shall consist of a top and bottom rail and newel post, all of 1" pipe, solid welded. The top rails shall contain 3/8" aluminum inserts. Plastic pipe plugs shall close open ends.

**Top Stair Enclosure:**

The top stair enclosure shall consist of enclosure rails and an upright, both of 1" pipe, drilled and solid welded. The upright shall be mashed on one end.

**Bottom Deck Enclosure:**

The bottom deck enclosure shall consist of enclosure rails and an upright of 1" pipe, drilled, and a spoke of 3/4" x 1" oval tube, all solid welded. The upright shall be mashed on one end. Plastic pipe plugs shall close open ends.

**Fasteners:**

The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

**Finishes:**

The stairs shall be finished in Mira-Therm. The handrails, enclosures, and clamps shall have a Mira-Cote finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.



**MIRACLE**  
RECREATION EQUIPMENT COMPANY

## PRODUCT SPECIFICATIONS

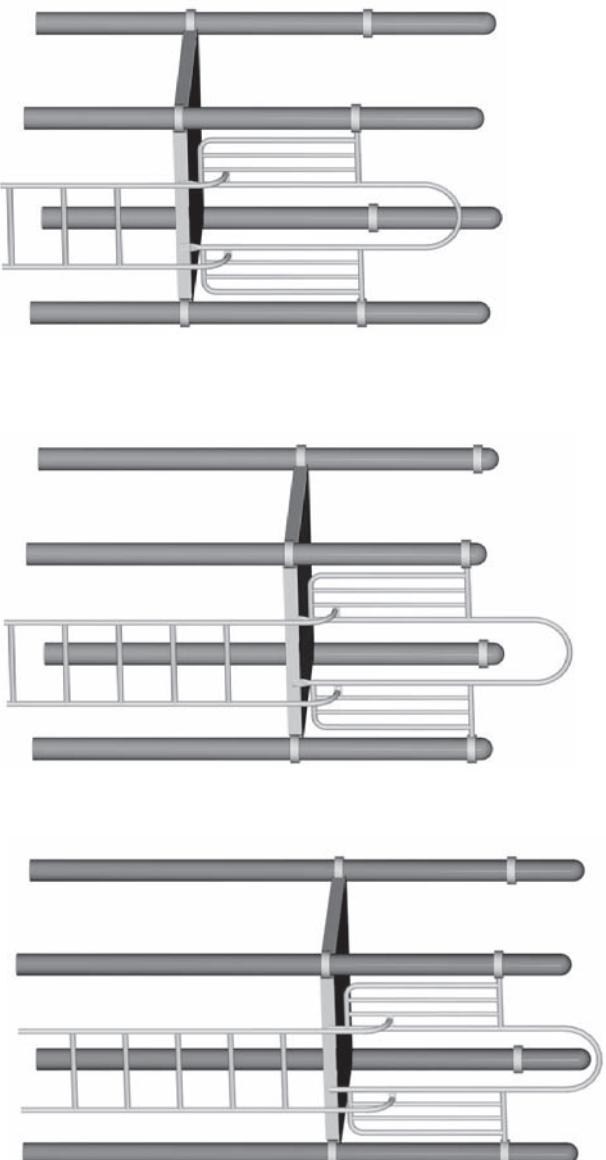
Model 714-815: Vertical Ladder for 5' Deck

Model 714-815-3: Vertical Ladder for 3' Deck

Model 714-815-6: Look-Out Ladder for 6'-6" Deck

Model 714-815-8: Look-Out Ladder for 8' Deck

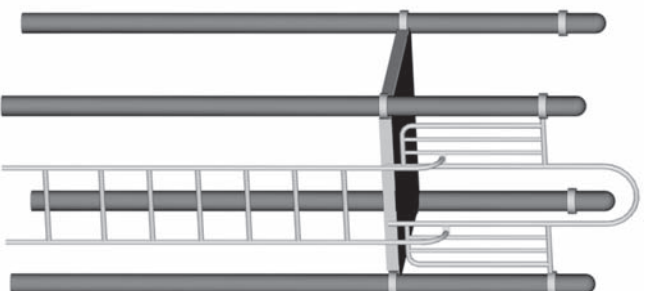
Dec. 19, 2002 Rev. E



714-815-3

714-815

714-815-6



714-815-8

**PRODUCT SPECIFICATIONS**

Model 714-815:	Vertical Ladder for 5' Deck
Model 714-815-3:	Vertical Ladder for 3' Deck
Model 714-815-6:	Look-Out Ladder for 6'-6" Deck
Model 714-815-8:	Look-Out Ladder for 8' Deck

Dec. 19, 2002 Rev. E

**DESCRIPTION:**

The vertical ladder is used as an entry to or an exit from a 3', 5', 6'-6" or 8' high deck.

Model	Ground Space	Deck Ht.
714-815	3'-4" x 2"	5' deck
714-815-3	3'-4" x 2"	3' deck
714-815-6	3'-4" x 2"	6'-6" deck
714-815-8	3'-4" x 2"	8' deck

**Concrete for footing:** . 10 cubic yards required.

**MATERIALS:**

**Ladder:** The ladder consists of siderails with inserts and rungs, all constructed of 1" pipe, and all solid welded.

**Enclosure Assembly:** The enclosure assembly consists of top supports, a bottom support, and an arched upright, which are constructed of 1" pipe, drilled, formed, and mashed, and vertical rungs which are constructed of 1" tube. The enclosure assembly is solid welded.

**Fasteners:** All hardware is fastener style A.

**Versalok Fasteners:** All Versalok Fasteners for deck and component attachment are aluminum alloy.

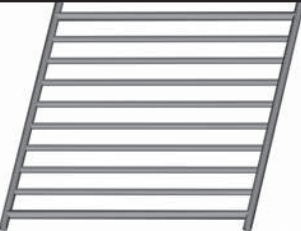

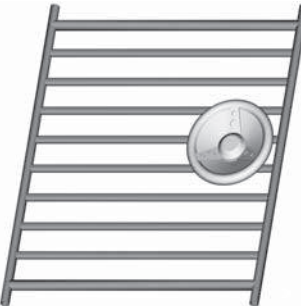
**Finishes:** The ladder assemblies, enclosure assembly, and clamps have a Mira-Cote finish.

(CONSULT THE GLOSSARY OF TECHNICAL DATA FOR MATERIALS,  
PROCESSES AND FINISHES OF THE UNDERLINED ITEMS.)



Kids' Choice®

## Wall Enclosures - Below Deck or Freestanding

714-816B	714-817B	714-900B
Wall Enclosure Below Deck	Wall Enclosure w/Seat Below Deck	Wall Enclosure w/Steering Wheel Below Deck
		

MODEL	PRODUCT	PROT. AREA	GRND. SPACE	CONCRETE
714-816B	Wall Enclosure Below Deck	NA	NA	NA
714-817B	Wall Enclosure w/Seat Below Deck	NA	NA	NA
714-900B	Wall Enclosure w/Steering Wheel Below Deck	NA	NA	NA

### DESCRIPTION

These Wall Enclosures are designed for below deck or freestanding installation. Model 714-817B features a PVC-dipped steel seat. Model 714-900B features a plastic steering wheel designed to enhance imaginative play.

### MATERIALS

**Wall Enclosure/** The wall enclosures shall consist of a top and bottom rail and end uprights of 1" pipe with **Wall Enclosure w/** spoked infill of 3/4" x 1" oval tube, all solid welded.

**Steering Wheel:**

**Steering Wheel** The steering wheel mounting bracket shall be 7 ga. G-90 Galvanized sheet welded to the wall  
**Mounting Bracket:** enclosure.

**Steering Wheel:**

The steering wheel shall be constructed of a high density polyethylene produced from high performance, U.V. stabilized rotational molding grade resins with a comprehensive additive package. These resins shall be tested in accordance with ASTM testing procedures D-1505, D-1248, D-1693(b), D-638, D-790, and D-746. Resin's properties shall exhibit a balance of toughness, rigidity, environmental stress crack resistance, and excellent low temperature impact performance. Wall thickness shall be 1/8". The steering wheel hub cover shall be constructed of injection molded polypropylene which contains U.V. light stabilizers.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.



Kids' Choice®

Wall Enclosures - Below Deck or Freestanding

MATERIALS cont.

**Wall Enclosure w/ Seat:** The wall enclosure with seat shall comprise a top and bottom rail and end uprights constructed of 1" pipe and spoked infill of 3/4" x 1" oval tube and a seat assembly, all solid welded. The seat assembly shall comprise a frame of 1" pipe with bolting brackets of sheet 7 ga. black HR CQ and a factory-assembled 19" wide seat constructed of 11 ga. sheet, perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. The seat shall be approximately 14" from the deck surface.

**Fasteners:** The assembly shall contain Versalok Fasteners and Eastener Style A hardware.

**Finishes:** The wall enclosures and clamps shall have a Mira-Cote finish. The seat shall have a Mira-Therm finish. The steering wheel shall have color molded in.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.



# Product Specifications

Sept 21, 2001 Rev. A

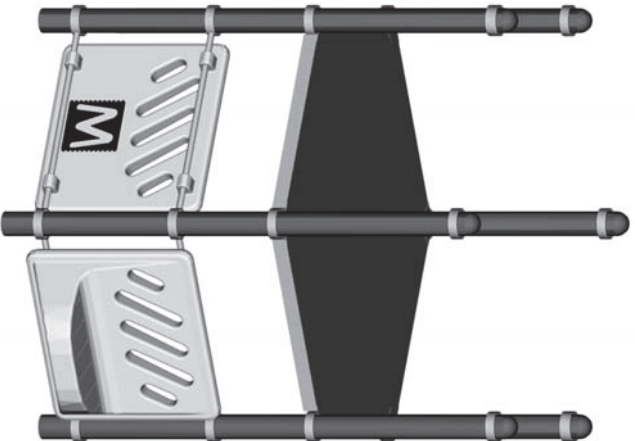
Kids' Choice

**MIRACLE**  
RECREATION EQUIPMENT COMPANY

Rockite **Bench Panel** - Freestanding or Below Deck

714-817-2B

Bench Panel



Bench Panel

714-817-2B

Kids' Choice  
Rocklie **Bench Panel** - Freestanding or Below Deck

<u>MODEL #</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>PROT. AREA</u>	<u>CONCRETE</u>
714-817-2B	Bench Panel, Freestanding or Below Deck	1'-10" x 4'-0"	7'-10" x 16'-0"	See Post spec.

DESCRIPTION

The Bench Panel permits users to sit for rest, play, or group activities. Models may be installed so that the bench seat will face either the area beneath the deck or the area outside the deck system, as well as in freestanding individual or clustered arrangements. The panel contains view grooves for watching children at play.

Safety Note: If installing panel beneath deck, vertical clearance space between panel assembly and lowest point of deck must be either (A) between 1" and 3", or (B) a minimum of 10."

MATERIALS

Bench Panel:                   The bench panel shall be constructed of Rocklie measuring 36" high by 40" wide by 2-1/2" thick (approximately 20" to peak) with all corners rounded, containing rotomolded flanges for field attachment of support rungs. One side of panel shall contain a 14" deep seat.

Rungs:                         Rungs shall be 1" pipe approximately 41" long.

Versalok Fasteners:       All Versalok Fasteners for deck and component attachment shall be aluminum alloy.

Fasteners:                   All hardware shall be Fastener Style A.

Finishes:                   The rungs and Versalok Fasteners shall have a Mira-Cote finish. The panel shall have color molded in.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.



**MIRACLE**  
RECREATION EQUIPMENT COMPANY

Kids' Choice<sup>®</sup>  
**Cargo Climb-Overs**

July 26, 2007

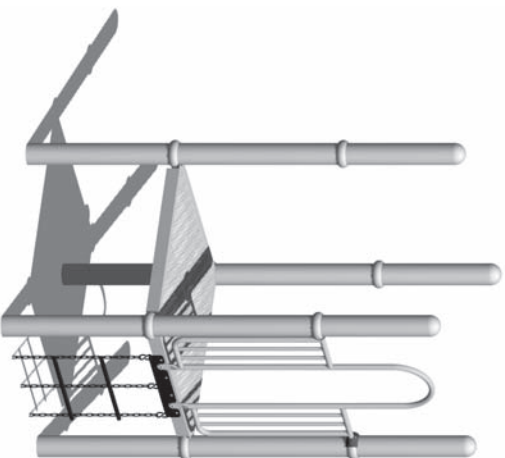
Rev. A

# Product Specifications

## Cargo Climb-Overs

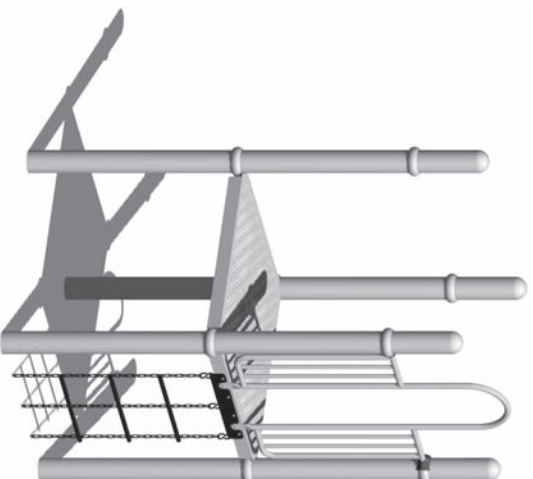
**714-844-3**

Vertical Cargo Climber for 3' Deck



**714-844-4**

Vertical Cargo Climber for 4' Deck



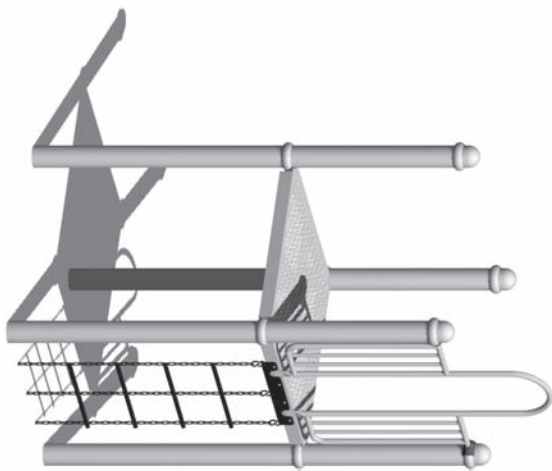




**MIRACLE** Kids' Choice<sup>®</sup>  
RECREATION EQUIPMENT COMPANY  
**Vertical Cargo Climber**

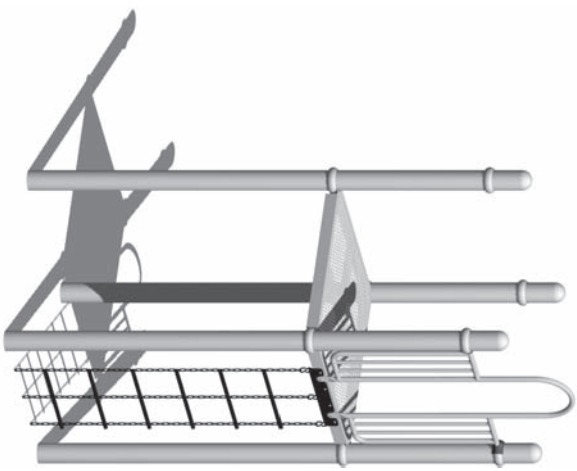
**714-844-5**

**Vertical Cargo Climber for 5' Deck**



**714-844-6**

**Vertical Cargo Climber for 6'-6" Deck**





**MIRACLE** Kids' Choice®  
RECREATION EQUIPMENT COMPANY  
**Vertical Cargo Climber**

<u>MODEL #</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>PROTECT. AREA</u>	<u>CONCRETE</u>
714-844-3	Vertical Cargo Climber for 3' Deck	4'-6" x 6"	17' x 13'	.10 cu. yds.
714-844-4	Vertical Cargo Climber for 4' Deck	4'-6" x 6"	17' x 13'	.10 cu. yds.
714-844-5	Vertical Cargo Climber for 5' Deck	4'-6" x 6"	17' x 13'	.10 cu. yds.
714-844-6	Vertical Cargo Climber for 6'-6" Deck	4'-6" x 6"	17' x 13'	.10 cu. yds.

**DESCRIPTION:**

These dynamic ground-to-deck vertical cargo climbers help children develop hand-to-eye coordination, balance, and muscle control.

**MATERIALS:**

**Vertical Cargo Climber:**

The cargo climber shall consist of 11 ga. sheet bracket and 1" tube rungs connected by three vertical supports of 4/0 straight link coil chain. The rungs shall be solid welded to the chain. The chain shall be attached to an anchor and the bracket by 5/16" "S"-hooks. The cargo climber for the 3', 4', 5', and 6'-6" decks shall measure 45-1/2", 56-1/2", 67-1/2", and 86-3/4" in length respectively.

**Anchor:**

The anchor shall be constructed of 1" pipe, formed, with three "U" shaped loops of 5/16" diameter wire welded to the top.

**Enclosure:**

The arch enclosure shall comprise top supports and an arched upright of 1" pipe and spoked infill of 1" tube, all solid welded.

**Versalok Fasteners:**

All Versalok Fasteners for deck and component attachment shall be aluminium alloy.

**Fasteners:**

All fastening hardware shall be Fastener Style A.

**Finishes:**

The anchor and Versalok Fasteners shall have a Mira-Cote finish. The Vertical Cargo Climber chain shall be PVC coated.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.



# Miracle *Product Specifications*

August 22, 2017

Rev. C

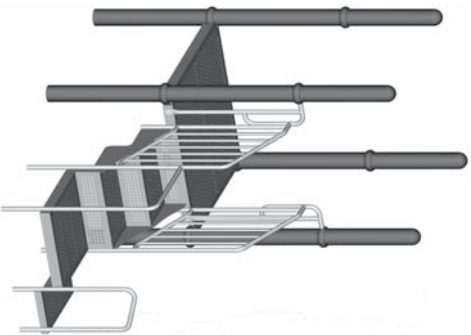
Kids' Choice® - Mira-Therm II™

## Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails

Deck systems not included in these assemblies.

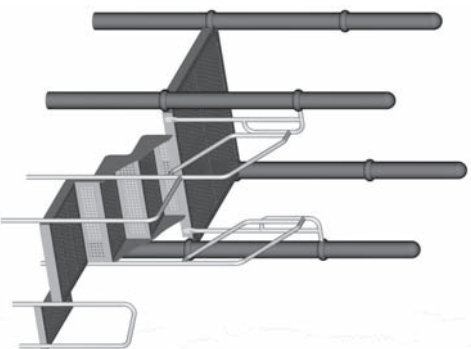
### 714-851-39

Square Transfer Point for 3' Deck, Closed  
Bottom step to exit LEFT



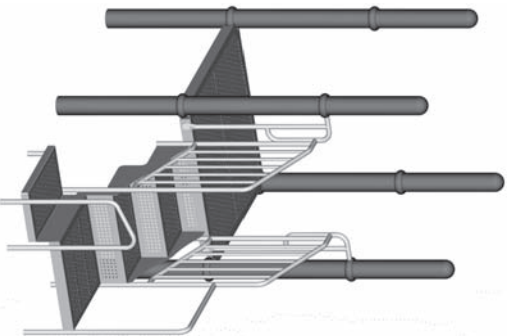
### 714-851-359

Square Transfer Point for 3' Deck, Open  
Bottom step to exit LEFT



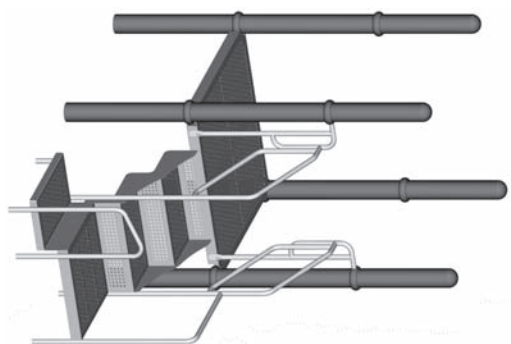
### 714-851-39

Square Transfer Point for 3' Deck, Closed  
Bottom step to exit RIGHT



### 714-851-359

Square Transfer Point for 3' Deck, Open  
Bottom step to exit RIGHT

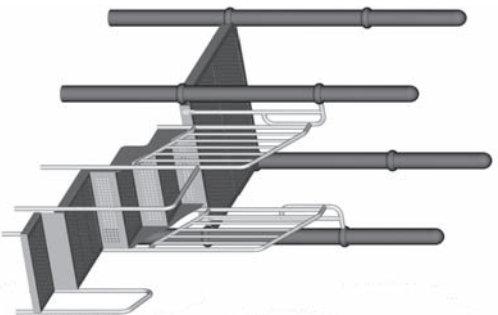


Kids' Choice® - Mira-Therm II™  
**Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails**

Deck systems not included in these assemblies.

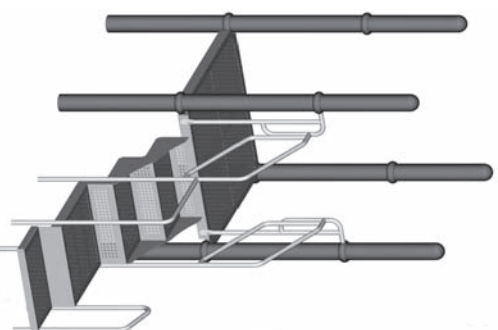
**714-851-39**

Square Transfer Point for 3' Deck, Closed  
 Bottom step to exit STRAIGHT  
 with handrail on LEFT



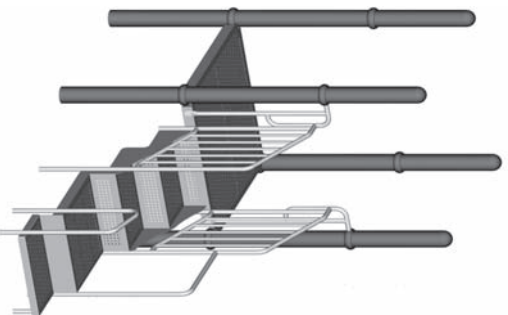
**714-851-359**

Square Transfer Point for 3' Deck, Open  
 Bottom step to exit STRAIGHT  
 with handrail on LEFT



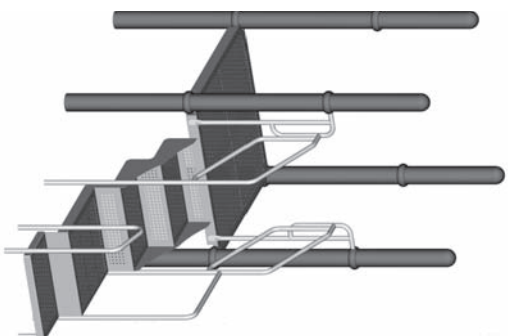
**714-851-39**

Square Transfer Point for 3' Deck, Closed  
 Bottom step to exit STRAIGHT  
 with handrail on RIGHT



**714-851-39**

Square Transfer Point for 3' Deck, Open  
 Bottom step to exit STRAIGHT  
 with handrail on RIGHT





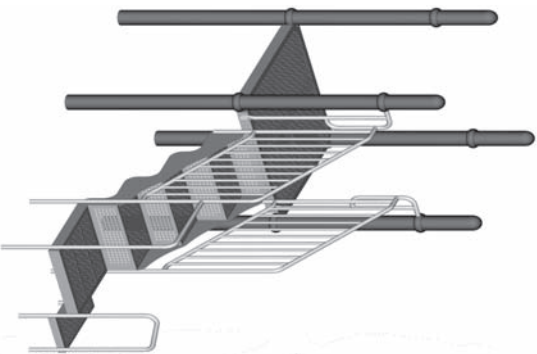
Kids' Choice® - Mira-Therm II™

## Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails

Deck systems not included in these assemblies.

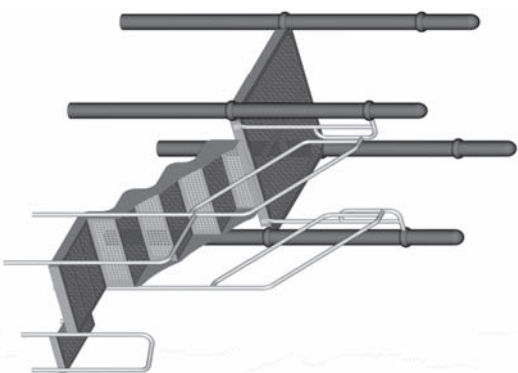
### 714-851-49

Square Transfer Point for 4' Deck, Closed  
Bottom step to exit LEFT



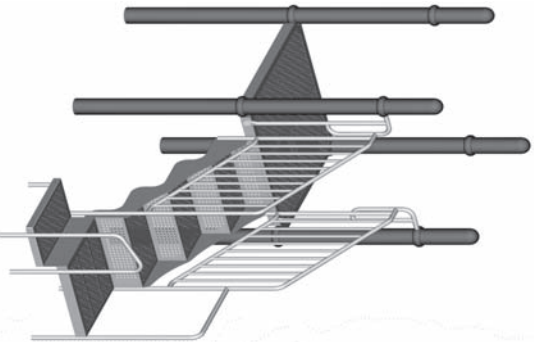
### 714-851-459

Square Transfer Point for 4' Deck, Open  
Bottom step to exit LEFT



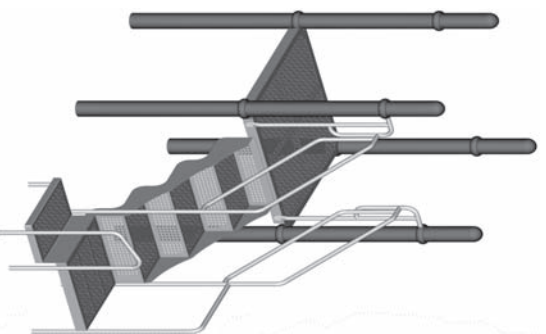
### 714-851-49

Square Transfer Point for 4' Deck, Closed  
Bottom step to exit RIGHT



### 714-851-459

Square Transfer Point for 4' Deck, Open  
Bottom step to exit RIGHT



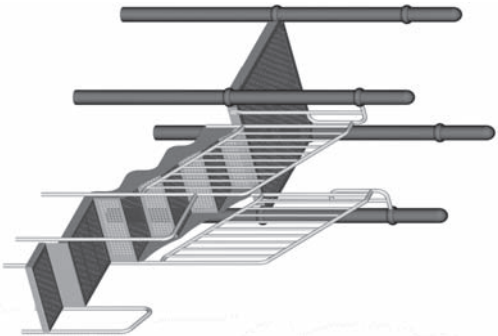
Kids' Choice® - Mira-Therm II™

## Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails

Deck systems not included in these assemblies.

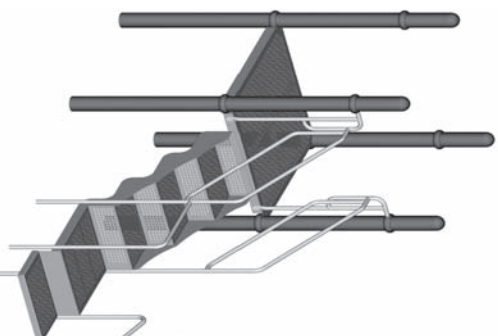
### 714-851-49

Square Transfer Point for 4' Deck, Closed  
Bottom step to exit STRAIGHT  
with handrail on LEFT



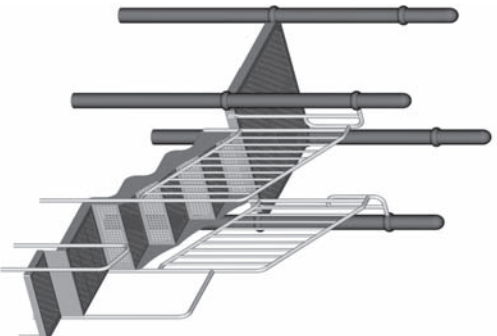
### 714-851-459

Square Transfer Point for 4' Deck, Open  
Bottom step to exit STRAIGHT  
with handrail on LEFT



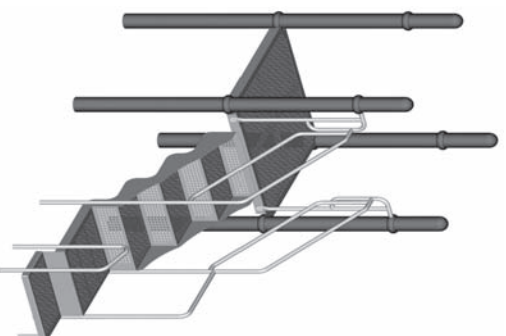
### 714-851-49

Square Transfer Point for 4' Deck, Closed  
Bottom step to exit STRAIGHT  
with handrail on RIGHT



### 714-851-459

Square Transfer Point for 4' Deck, Open  
Bottom step to exit STRAIGHT  
with handrail on RIGHT



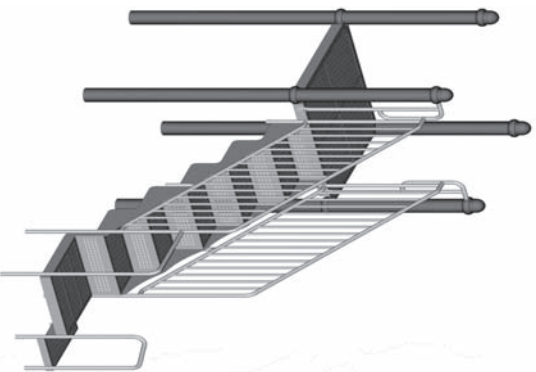
Kids' Choice® - Mira-Therm II™

## Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails

Deck systems not included in these assemblies.

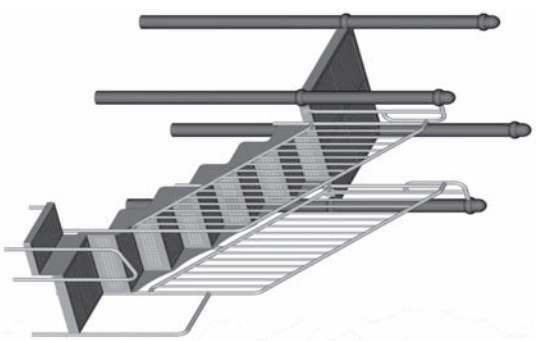
### 714-851-59

Square Transfer Point for 5' Deck, Closed  
Bottom step to exit LEFT



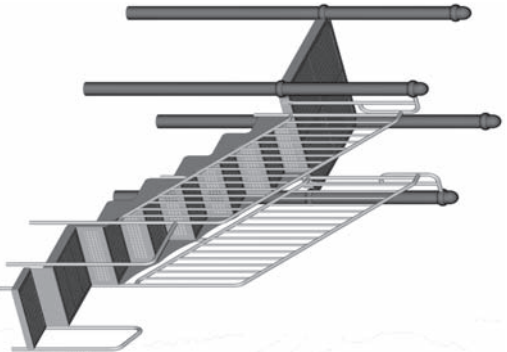
### 714-851-59

Square Transfer Point for 5' Deck, Closed  
Bottom step to exit RIGHT



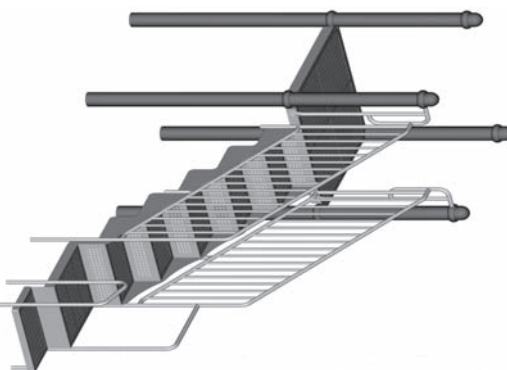
### 714-851-59

Square Transfer Point for 5' Deck, Closed  
Bottom step to exit STRAIGHT  
with handrail on LEFT



### 714-851-59

Square Transfer Point for 5' Deck, Closed  
Bottom step to exit STRAIGHT  
with handrail on RIGHT

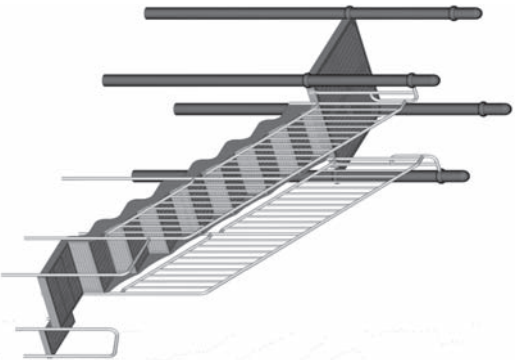


**Kids' Choice® - Mira-Therm II™**  
**Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails**

Deck systems not included in these assemblies.

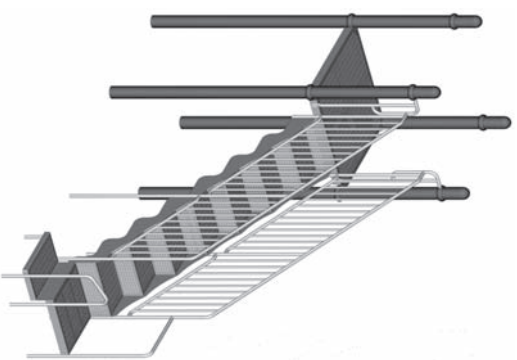
**714-851-69**

**Square Transfer Point for 6' & 6'-6"**  
**Deck, Closed**  
**Bottom step to exit LEFT**



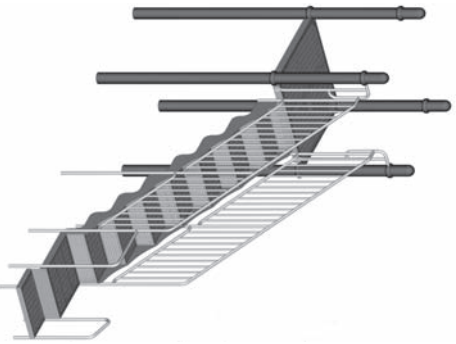
**714-851-69**

**Square Transfer Point for 6' & 6'-6"**  
**Deck, Closed**  
**Bottom step to exit RIGHT**



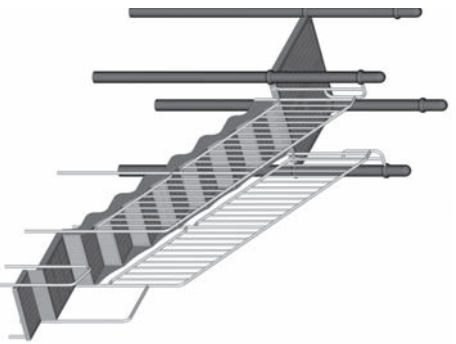
**714-851-69**

**Square Transfer Point for 6' & 6'-6"**  
**Deck, Closed**  
**Bottom step to exit STRAIGHT**



**714-851-69**

**Square Transfer Point for 6' & 6'-6"**  
**Deck, Closed**  
**Bottom step to exit STRAIGHT**





Kids' Choice® - Mira-Therm II™  
**Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails**

Deck systems not included in these assemblies.

<b>MODEL #</b>	<b>PRODUCT</b>	<b>ORIENTATION</b>	<b>GRND. SPC.</b>	<b>PROT. AREA</b>	<b>CONCRETE</b>
714-851-39	Sqr. Transfer Point, 3' Dk, Closed	Left or Right ... Straight ...	4'-9" x 4'-0" 5'-10" x 3'-6"	17'-2" x 16'-0" 18'-3" x 14'-11"	0.30 cu. yds. 0.30 cu. yds.
714-851-359	Sqr. Transfer Point, 3' Dk, Open	Left or Right ... Straight ...	4'-9" x 4'-0" 5'-10" x 3'-6"	17'-2" x 16'-0" 18'-3" x 14'-11"	0.30 cu. yds. 0.30 cu. yds.
714-851-49	Sqr. Transfer Point, 4' Dk, Closed	Left or Right ... Straight ...	5'-11" x 4'-1" 7'-0" x 3'-6"	18'-4" x 16'-0" 19'-5" x 14'-11"	0.30 cu. yds. 0.30 cu. yds.
714-851-459	Sqr. Transfer Point, 4' Dk, Open	Left or Right ... Straight ...	5'-11" x 4'-1" 7'-0" x 3'-6"	18'-4" x 16'-0" 19'-5" x 14'-11"	0.30 cu. yds. 0.30 cu. yds.
714-851-59	Sqr. Transfer Point, 5' Dk, Closed	Left or Right ... Straight ...	8'-3" x 4'-0" 9'-4" x 3'-6"	20'-9" x 16'-0" 21'-10" x 14'-11"	0.30 cu. yds. 0.30 cu. yds.
714-851-69	Sqr. Transfer Point, 6' Dk, Closed	Left or Right ... Straight ...	10'-8" x 4'-1" 11'-9" x 3'-6"	23'-1" x 16'-0" 24'-2" x 14'-11"	0.40 cu. yds. 0.40 cu. yds.

### **DESCRIPTION**

These models are designed to assist disabled users gain access to and egress from a deck system.

### **MATERIALS**

#### **Stair Assembly:**

Each stair assembly shall be constructed of 11 ga. steel stringers solid welded to 11 ga. steel sheet decking that is perforated in a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. Approximate dimensions of stair assembly shall be 26" overall width, 14" deep step tread and 8" high step rise.

#### **Transfer Point Deck:**

Each 26" square (approximate) transfer point deck shall be constructed of 11 ga. steel sheet folded to form approximately 3" high sidewalls. The decking shall be perforated in a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. It shall be reinforced with cross braces of 3/16" x 2" HR flat solid welded.

#### **Bottom Step:**

The bottom step shall be constructed of 11 ga. steel sheet (with folded edges) perforated in an identical pattern. The step shall be approximately 26" wide by 14" deep by 6-1/2" high.

#### **Deck Enclosures:**

Deck enclosures shall be constructed of formed 1" pipe, including a welded upright of the same material. Each assembly shall be drilled for field assembly of a stair handrail, and shall have its bottom end mashed and punched for field assembly to deck.

Kids' Choice® - Mira-Therm II™  
**Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails**

Deck systems not included in these assemblies.

**MATERIALS** (continued)

**Stair Handrail and Stair/Deck Handrail:**

Stair handrail assemblies shall be welded upper and lower handrails of formed 1" pipe. Closed handrails shall contain vertical uprights of 3/4" x 1" oval tube welded within. Swaged handrail extensions for field assembly to handrails shall be constructed of 1" pipe. A transfer deck handrail constructed of formed 1" pipe shall be field assembled to one handrail newel upright and transfer point deck edge. Models designed for assembly to 5' and 6' or 6'-6" decks shall contain handrail sleeve supports constructed of 1-1/4" pipe, 10 ga.

**Transfer Step Handrail:**

The "U"-shaped transfer step handrail shall be formed 1" pipe, drilled for field assembly to transfer point deck and bottom step. Its apex shall be 36-1/8" from finished grade.

**Rung Leg:**

The rung leg shall be 1" pipe with ends mashed and punched for field assembly to bottom step.

**Fasteners:**

Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

**Finishes:**

The stairs, bottom step, and transfer point deck shall be finished in Mira-Therm. The deck enclosures, handrails, extensions, sleeves, and leg shall be finished in Mira-Cote.

714-851-39, 714-851-359, 714-851-49, 714-851-459, 714-851-59, 714-851-69

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.



# Product Specifications

**MIRACLE**  
RECREATION EQUIPMENT COMPANY

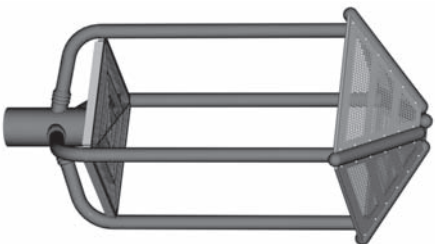
**Kids' Choice®**  
**Roofs for Square, Pentagon, Hexagon, Heptagon & Octagon Decks**  
Perf. Steel, Recycled Plastic or Hybrid

**714-862-4 & 714-862-4R & 714-862-4H**

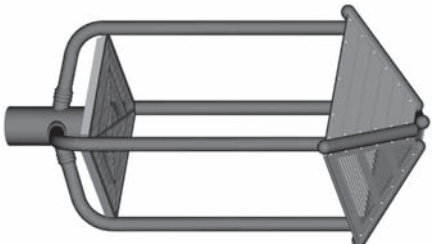
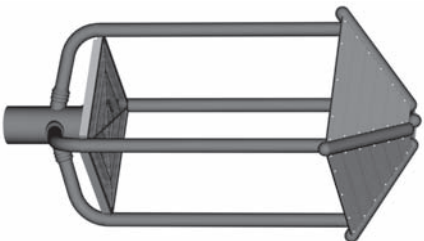
10 Additional  
Models

**Roof for Square Deck, Perf. Steel**

**Roof for Square Deck, Hybrid  
(Perf. Steel & Recycled)**



**Roof for Square Deck,  
Recycled**

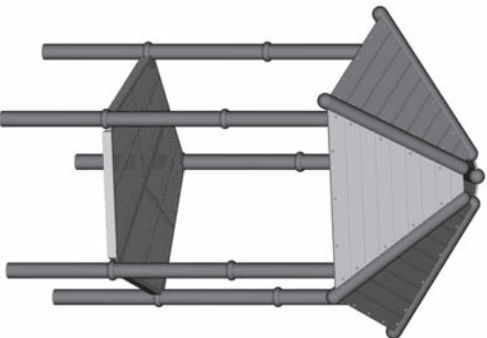
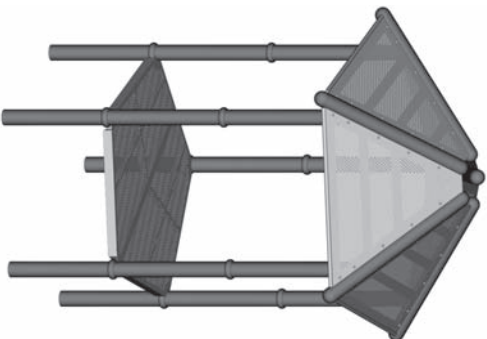


**714-862-5 & 714-862-5R**

8 Additional  
Models

**Roof for Pentagon Deck, Perf. Steel**

**Roof for Pentagon Deck, Recycled**





Kids' Choice®

**MIRACLE**  
RECREATION EQUIPMENT COMPANY

Roofs for **Square**, **Pentagon**, **Hexagon**, **Heptagon** & **Octagon** Decks

June 15, 2006

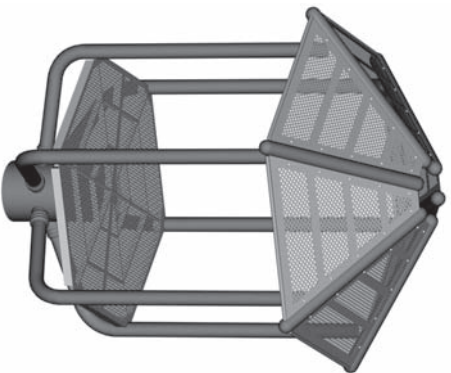
Rev. G

**714-862-6 & 714-862-6R & 714-862-6H**

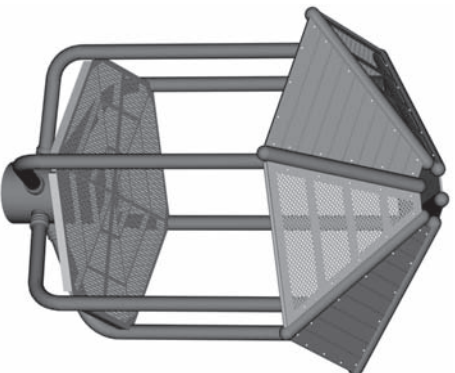
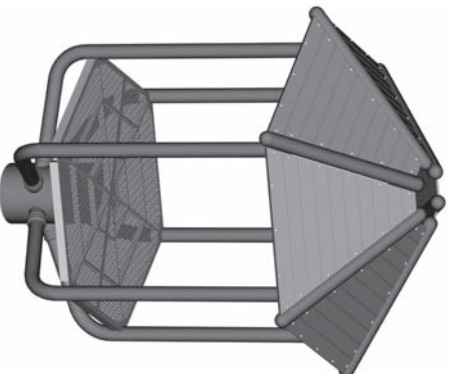
5 Additional  
Models

Roof for Hexagon Deck, Perf. Steel

Roof for Hexagon Deck, Hybrid  
(Perf. Steel & Recycled)



Roof for Hexagon  
Deck, Recycled

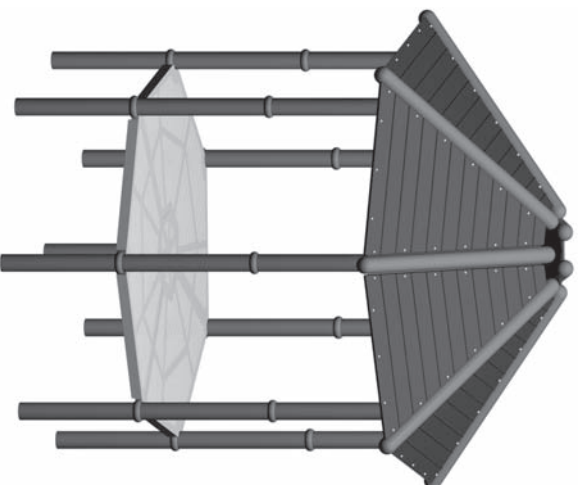
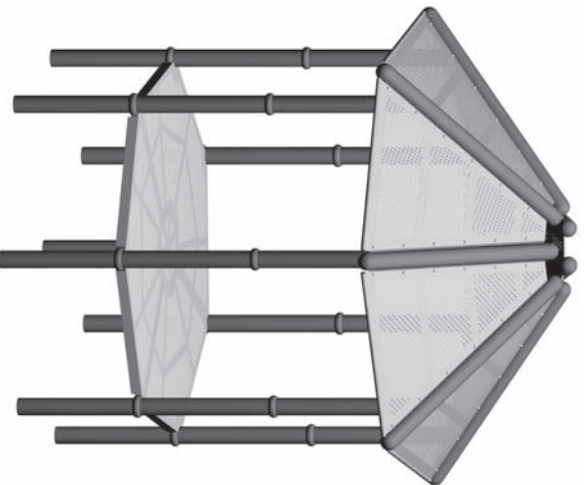


**714-862-7 & 714-862-7R**

3 Additional  
Models

Roof for Heptagon Deck, Perf. Steel

Roof for Heptagon Deck, Recycled



Roofs for 4-, 5-, 6-, 7- and 8-sided Decks

714-862-4, 714-862-4R, 714-862-4H, 714-862-5, 714-862-5R, 714-862-6, 714-862-6R,  
714-862-6H, 714-862-7, 714-862-7R, 714-862-8, 714-862-8R, 714-862-8H





Kids' Choice®

**MIRACLE**  
RECREATION EQUIPMENT COMPANY

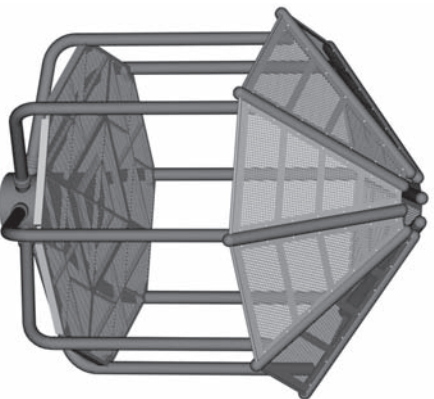
Roofs for **Square**, **Pentagon**, **Hexagon**, **Heptagon** & **Octagon** Decks

**714-862-8 & 714-862-8R & 714-862-8H**

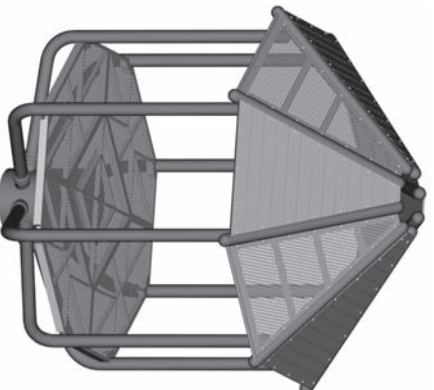
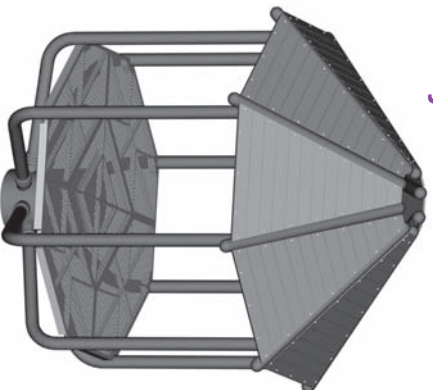
10 Previous  
Models

Roof for Octagon Deck, Perf. Steel

Roof for Octagon Deck, Hybrid  
(Perf. Steel & Recycled)



Roof for Octagon Deck,  
Recycled



Roofs for 4-, 5-, 6-, 7- and 8-sided Decks

714-862-4, 714-862-4R, 714-862-4H, 714-862-5, 714-862-5R, 714-862-6, 714-862-6R,  
714-862-6H, 714-862-7, 714-862-7R, 714-862-8, 714-862-8R, 714-862-8H



Kids' Choice®

**MIRACLE**  
RECREATION EQUIPMENT COMPANY

**Roofs for Square, Pentagon, Hexagon, Heptagon & Octagon Decks**

<u>MODEL #</u>	<u>PRODUCT</u>	<u>MODEL #</u>	<u>PRODUCT</u>
714-862-4	Roof for Square Deck, Steel	714-862-4R	Roof for Square Deck, Recycled
714-862-4H	Roof for Square Deck, Hybrid	714-862-5	Roof for Pentagon Deck, Steel
714-862-5R	Roof for Pentagon Deck, Recycled	714-862-6	Roof for Hexagon Deck, Steel
714-862-6R	Roof for Hexagon Deck, Recycled	714-862-6H	Roof for Hexagon Deck, Hybrid
714-862-7	Roof for Heptagon Deck, Steel	714-862-7R	Roof for Heptagon Deck, Recycled
714-862-8	Roof for Octagon Deck, Steel	714-862-8R	Roof for Octagon Deck, Recycled
714-862-8H	Roof for Octagon Deck, Hybrid		

*Note: Refer to Deck system specs for concrete, ground space and protective area requirements.*

**DESCRIPTION**

These trussed roofs are perforated steel panel roofs, recycled plastic panel roofs, or a combination of the two types of panels, with open tops for 4, 5, 6, 7 and 8-sided Kids' Choice®, Center Stage® or City Park Series deck systems, offering superior durability in most environmental conditions.

**MATERIALS**

**Steel Panels:**

The steel roof panels shall be constructed of 16 ga. A-60 Galvanneated sheet perforated with 3/16" holes in a pattern, with a formed "lip" at the panel's top edge to provide additional stability during installation. A length of 1" pipe shall be welded to the panel bottom.

**Recycled Panels:**

The recycled roof panels shall be constructed of 100% post consumer recycled plastic and approximately 3/4" thick. A panel mount formed of 11 ga. G-90 galvanized shall be field assembled to trusses and roof panels.

**Trusses:**

Roof truss assemblies shall be constructed of a roof mount swaged stub of either 5" tube for Kids Choice or 3-1/2" tube for Tot's Choice Expansion, solid welded at a 54° angle to truss of 5" tube containing bolting tabs on both sides of 11 ga. G-90 galvanized. 5" round end caps shall close open ends of trusses.

**Fasteners:**

All hardware shall be Fastener Style A.

**Finishes:**

The steel roof panels and trusses shall have a Mira-Cote finish. The recycled panels shall have a natural finish. The panel mounts shall have a galvanized finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

714-862-4, 714-862-4R, 714-862-4H, 714-862-5, 714-862-5R, 714-862-6, 714-862-6R, 714-862-6H, 714-862-7, 714-862-7R, 714-862-8, 714-862-8R, 714-862-8H

Roofs for 4-, 5-, 6-, 7- and 8-sided Decks



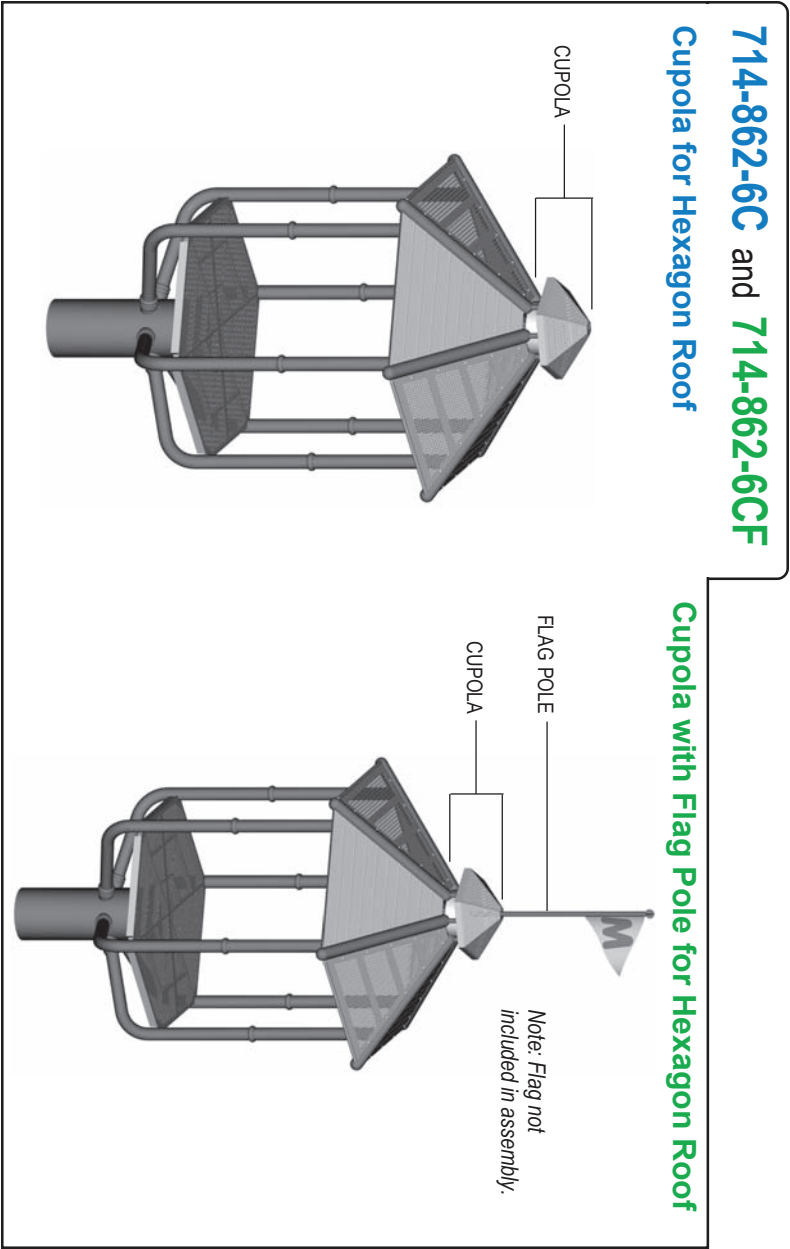
# Product Specifications

**MIRACLE** Kids' Choice® **Cupola for Hexagon Roof - without and with Flag Pole**  
For use with Roof for Hexagon Deck, Model # 714-862-6, # 714-862-6R, or # 714-862-6H, not included.

**714-862-6C and 714-862-6CF**

**Cupola for Hexagon Roof**

**Cupola with Flag Pole for Hexagon Roof**



Cupola for Hexagon Roof

Kids' Choice®

## Cupola for Hexagon Roof

**MODEL #**

**PRODUCT**

714-862-6C	Cupola for Hexagon Roof
714-862-6CF	Cupola with Flag Pole for Hexagon Roof

**DESCRIPTION**

These cupolas are designed to cap the open top of standard "Roof for Hexagon Decks" models. Model # 714-862-6CF features a flag pole with mounting brackets for a customer-provided flag (24" maximum height).

**MATERIALS**

**Cupola Roof Assembly:**

The hexagonal, peaked cupola roof top halves, when fastened together, shall measure 31-5/8" wide by 13-1/2" high with a 51° slope. Each half shall be constructed of 14 ga. HRPO black, perforated with 3/16" holes spaced 1/2" apart center-to-center in a staggered pattern, and shall be punched and solid welded. The hexagonal soffit shall measure 31-1/2" O.D. (after bending to create bolting tabs on perimeter) with a 15" I.D. opening, and shall be constructed of 11 ga. sheet, plasma cut and formed, with 3/8" weldnuts on its bottom side.

**Extension Trusses:**

Extension trusses each shall comprise a receiver of 4-1/16" O.D. by 3/16" thick tube with flange of 11 ga. A-60 Galvannealed sheet solid welded to a stub of 1-1/2" pipe capped by a 1-3/4" by 3/8" thick CRS threaded insert.

**Interior Wall:**

The interior wall shall be constructed of 24 ga. 304 SS sheet measuring 9-1/4" high by 76-15/16" wide (laid flat), punched and formed.

**Flag Pole Assembly:**

Model # 714-862-8CF

The flag pole mounting plate shall comprise an 8" high receiver of 2" Sch 40 pipe with 3/8" weldnuts and gussets of 11 ga. black sheet on a 19" O.D. plate of 7 ga. black, all solid welded. The 72" flag pole shall be constructed of 1-1/2" pipe with cross plates of 7 ga. black sheet, formed and punched, welded to its top end and links of 4/0 straight link coil chain solid welded to its side. When assembled, the top of the flag pole shall extend approximately 65-1/2" above the cupola's peak.

**Fasteners:**

The assembly shall contain Fastener Style A hardware and Fastener Style B hardware.

**Finishes:**

The cupola top, soffit, extension trusses, flag pole, and flag pole mounting plate shall be finished in Mira-Cote. The interior wall shall have a stainless steel finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

714-862-6C, 714-862-6CF

# Product Specifications



Kids' Choice®

**MIRACLE**  
RECREATION EQUIPMENT COMPANY

**Vine Climbers & Twisted Vine Climbers** for 5', 6'-6" and 8' Decks

**714-867-15 & 714-867-16**

714-867-18

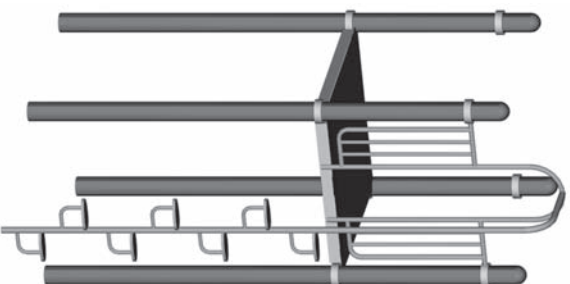
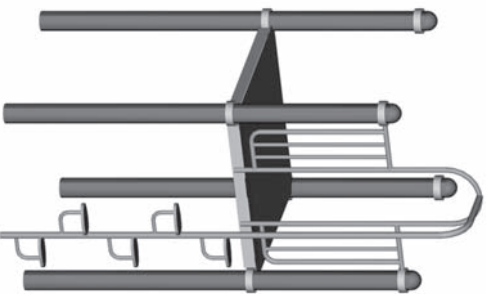
714-867-25

714-867-26

714-867-28

Vine Climber for 5' Deck

Vine Climber for 6'-6" Deck



714-867-15 714-867-16

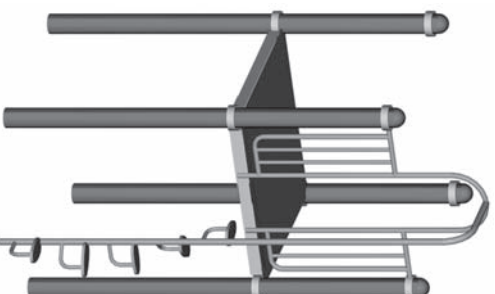
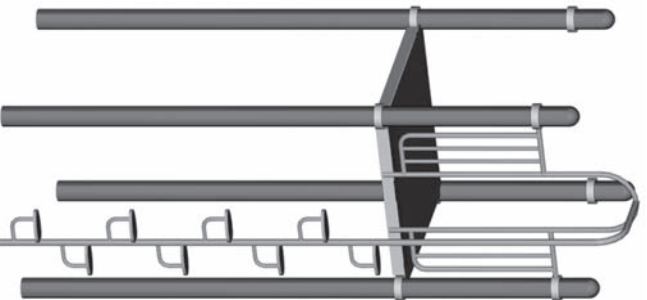
714-867-18 & 714-867-25

714-867-26

714-867-28

Vine Climber for 8' Deck

Twisted Vine Climber for 5' Deck





Kids' Choice®

**Vine Climbers & Twisted Vine Climbers**

714-867-15

714-867-16

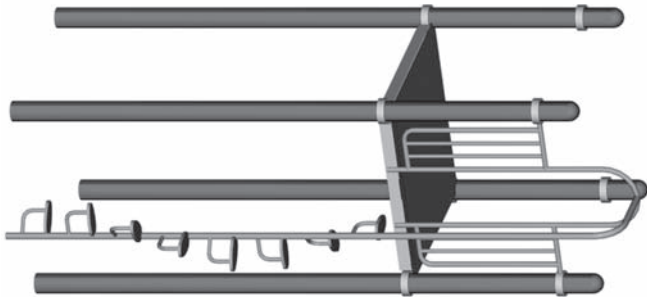
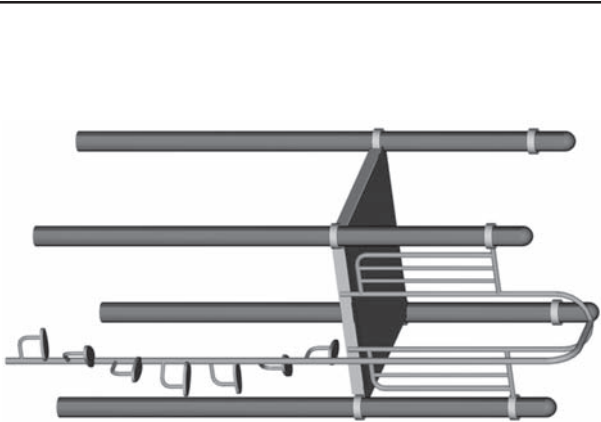
714-867-18

714-867-25

714-867-26 & 714-867-28

Twisted Vine Climber for 6'-6" Deck

Twisted Vine Climber for 8' Deck





**Kids' Choice®**  
**MIRACLE** **Vine Climbers & Twisted Vine Climbers**  
RECREATION EQUIPMENT COMPANY

<u>MODEL #</u>	<u>PRODUCT</u>	<u>GRND. SPC.</u>	<u>PROT. AREA</u>	<u>CONCRETE</u>
714-867-15	Vine Climber for 5' Deck	4'-0" x 2'-0"	13'-6" x 8'-0"	.05 cu. yd.
714-867-16	Vine Climber for 6'-6" Deck	4'-0" x 2'-0"	13'-6" x 8'-0"	.05 cu. yd.
714-867-18	Vine Climber for 8' Deck	4'-0" x 2'-0"	13'-6" x 8'-0"	.05 cu. yd.
714-867-25	Twisted Vine Climber for 5' Deck	4'-0" x 2'-0"	13'-6" x 8'-0"	.05 cu. yd.
714-867-26	Twisted Vine Climber for 6'-6" Deck	4'-0" x 2'-0"	13'-6" x 8'-0"	.05 cu. yd.
714-867-28	Twisted Vine Climber for 8' Deck	4'-0" x 2'-0"	13'-6" x 8'-0"	.05 cu. yd.

**DESCRIPTION**

Vine Climbers feature horizontal rungs on a vertical rail field-assembled to an arched entry deck enclosure. The rungs contain a routed leaf design and ascend the climber on opposite sides of the rail for Vine Climbers, or slightly offset to wind upward around the rail for Twisted Vine Climbers. As the name implies, the center pole of the Twisted Vine Climber is not straight.

**MATERIALS**

**Climber Assembly:**

The climber rail shall be constructed of 1-1/4" pipe, 10 ga. with mounting plate support tubes of 1" tube solid welded, and mounting plates of 7 ga. galvanized also solid welded. Plastic pipe plugs shall close support stub ends. The rail's top end shall be swaged and shall have a threaded aluminum insert factory installed. Leaf pads (stepping surfaces to be field assembled to mounting plates) shall be constructed of Mira-Lene routed with an oak leaf design.

**Arch Enclosure:**

The enclosure assembly shall comprise top supports, an arched upright and extension tube sleeve, all constructed of 1" pipe, drilled, formed and mashed, and vertical rungs constructed of 1" tube, all solid welded.

**Fasteners:**

The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

**Finishes:**

The climber rail with support tubes and mounting plates and arched entry enclosure shall be finished in Mira-Cote. The leaf pads shall have color molded in.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.



Kids' Choice®

**MIRACLE**  
RECREATION EQUIPMENT COMPANY

**Activity Panels** - Below Deck or Freestanding

# Product Specifications

**714-716B**

**714-756B**

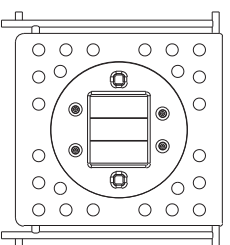
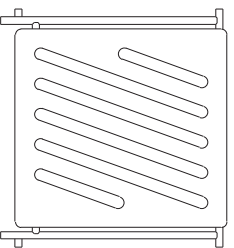
**714-758B**

**714-760B**

10 additional  
panel models

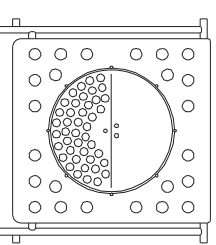
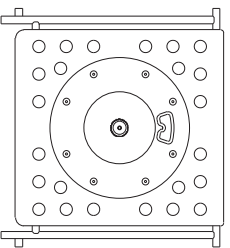
**714-716B: View Groove Panel**

**714-756B: Sight-N-Sound Panel**



**714-758B: Vision Adventure Panel**

**714-760B: Magic Ball Popper Panel**



**714-875B**

**714-876B**

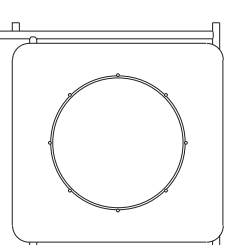
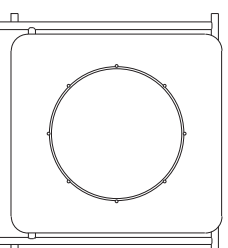
**714-904B**

**714-980-4B**

10 additional  
panel models

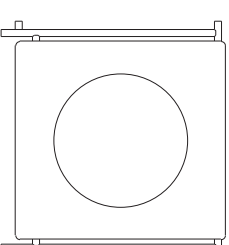
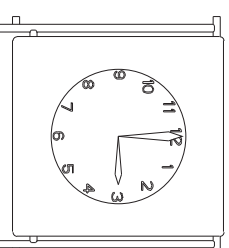
**714-875B: Bubble Panel**

**714-876B: Crawl Thru Panel**



**714-904B: Clock Panel**

**714-980-4B: Convex Mirror Panel**



Activity Panels, Below Deck

714-716B, 714-756B, 714-758B, 714-760B, 714-875B, 714-876B, 714-904B, 714-980-4B, 714-980-5B, 714-982-2B, 714-982-3B, 714-982-4B, 714-983-1B, 714-983-2B

Kids' Choice®

Activity Panels - Below Deck or Freestanding

714-980-5B

714-982-2B

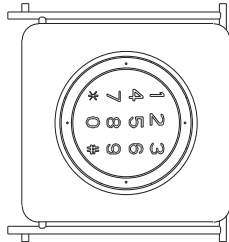
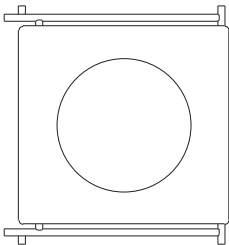
714-982-3B

714-982-4B

10 additional  
panel models

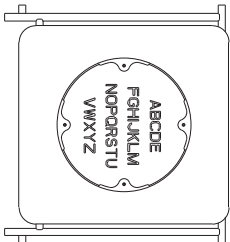
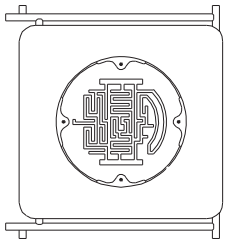
714-980-5B: Flat Mirror Panel

714-982-2B: Number Finger Maze Panel



714-982-3B: Finger Maze Panel

714-982-4B: Letter Finger Maze Panel



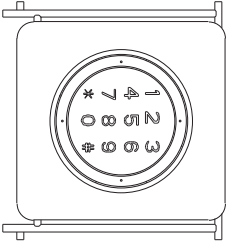
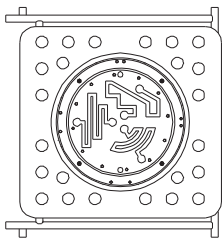
714-983-1B

714-983-2B

12 additional  
panel models

714-983-1B: Marble Race Panel

714-983-2B: Motor Skill Panel



714-716B, 714-756B, 714-758B, 714-760B, 714-875B, 714-876B, 714-904B, 714-980-4B, 714-980-5B, 714-982-2B, 714-982-3B, 714-982-4B, 714-983-1B, 714-983-2B



Kids' Choice®

**MIRACLE**  
RECREATION EQUIPMENT COMPANY

## Activity Panels - Below Deck or Freestanding

<u>MODEL #</u>	<u>PRODUCT</u>	<u>MODEL #</u>	<u>PRODUCT</u>
714-716B	View Groove Panel	714-756B	Sight-N-Sound Panel
714-758B	Vision Adventure Panel	714-760B	Magic Ball Popper Panel
714-875B	Bubble Panel	714-876B	Crawl Thru Panel
714-904B	Clock Panel	714-980-4B	Convex Mirror Panel
714-980-5B	Flat Mirror Panel	714-982-2B	Number Finger Maze Panel
714-982-3B	Finger Maze Panel	714-982-4B	Letter Finger Maze Panel
714-983-1B	Marble Race Panel	714-983-2B	Motor Skill Panel

### DESCRIPTION

These Kids' Choice developmental activity panels are designed to attach to Kids' Choice Deck systems below the deck or as freestanding play modules. All panels are assembled at the factory.

The View Groove Panel, Model # **714-716B**, features slanted slots that create a vented enclosure, allowing children to view through the panel. The Sight-N-Sound Panel, Model # **714-756B**, contains three displays of mobile materials offering visual and auditory interactivity. The Vision Adventure Panel, Model # **714-758B**, features a large disc imprinted with images that may be manually rotated into line of sight; the rear of panel contains a passive relative-motion display. The Magic Ball Popper Panel, Model # **714-760B**, contains a clear bubble on one side and on the other a clear sheet and steering wheel which turns an internal paddle and a quantity of multi-colored balls. The Bubble Panel, Model # **714-875B**, features a clear, convex "bubble" window. The Crawl Thru Panel, Model # **714-876B**, contains a large round opening through which children can crawl or climb. The Clock Panel, Model # **714-904B**, features a clock face with moveable hands. The Convex Mirror Panel, Model # **714-980-4B**, and Flat Mirror Panel, Model # **714-980-5B**, each contain a mirror providing normal or distorted reflections for visual amusement. The Number Finger Maze, Model # **714-982-2B** and Letter Finger Maze Panel, Model # **714-982-4B**, contain recessed grooves for tactile interpretation of the alphabet and numerals. The Finger Maze Panel, Model # **714-982-3B**, Marble Race Panel, Model # **714-983-1B**, and Motor Skill Panel, Model # **714-983-2B**, feature games and puzzles designed to develop eye-hand coordination and perceptions of spatial relationships.

### MATERIALS

**Panels:** The panels shall be constructed of Rocklite with all corners rounded. Covers are Rocklite and shall be attached at the factory using tamper-proof hardware.

**Enclosure:** The enclosures shall consist of uprights and support bars constructed of 1" pipe, solid welded.

**View Groove Panel:** The **View Groove Panel** shall have six 2" view slots evenly spaced at 5-1/4" with a slant of 20 degrees from vertical.

**Sight-N-Sound and Vision Adventure Panels:** Both panels shall measure 36" x 38" x 6". The cylinders of the **Sight-N-Sound Panel** shall be constructed of clear polycarbonate and shall contain colorful, non-toxic elements.

*Continued next page*

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

**714-716B, 714-756B, 714-758B, 714-760B, 714-875B, 714-876B, 714-904B, 714-980-4B, 714-980-5B, 714-982-2B, 714-982-3B, 714-982-4B, 714-983-1B, 714-983-2B**

**Activity Panels, Below Deck**

Rev. E



Kids' Choice®  
**Activity Panels** - Below Deck or Freestanding

**MATERIALS** (continued)

**Bubble Panel:** The bubble shall be vacuum-formed from clear polycarbonate sheet. The hemispherical bubble shall measure 24" diameter. The bubble shall be attached to the panel using tamper-proof screws and flat washers.

**Magic Ball Popper Panel:** The **Magic Ball Popper Panel** shall measure 36" x 38" x 15" with all corners rounded. One side shall contain a clear bubble as described above. The other side shall contain a window of clear polycarbonate sheet. Both shall be fastened to the panel at the factory using tamper-proof screws and flat washers. The window shall hold a steering wheel constructed of H.D.P.E. Black with mounting bracket of hot rolled steel strip, which shall drive a shaft of zinc coated cold finished steel round to be mounted to the bubble, facilitating turns of a paddle device of polyethylene inside the assembly. The paddle shall contain two (2) 4" holes allowing for stirring, spinning, balancing and passage of 3" diameter polyurethane balls of several colors.

**Clock Panel:** The **Clock Panel** shall contain a clock face and clear cover constructed of clear polycarbonate sheet. The clock face shall be silk-screened with a white face and black numbers.

**Panels with Mirrors-Convex/Flat:** The panels shall measure 36" x 38" x 2-1/2". The 24" diameter mirrors shall be vacuum-formed from mirror polycarbonate sheet and shall be attached at the factory using tamper-proof hardware.

**Finger Maze Panels-Number/Mazes/Alphabet:** The panels shall measure 36" x 38" x 2-1/2". The 24" diameter mazes shall be constructed of Mira-Lam with the corresponding design factory-routed and shall be attached at the factory using tamper-proof hardware.

**Marble Race and Motor Skill Panels:** The panels shall measure 36" x 38" x 6". The **Marble Race** and **Motor Skill Panels** shall be constructed of Mira-Lam, measure 24" in diameter, and shall be assembled at the factory using tamper-proof hardware.

**Fasteners:** Each panel assembly shall contain Versalok Fasteners and Fastener Style A hardware.

**Finishes:** The panels shall have molded-in color. The enclosures and clamps shall have a Mira-Cote finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of the underlined items.

Activity Panels, Below Deck

714-716B, 714-756B, 714-758B, 714-760B, 714-875B, 714-876B, 714-904B, 714-980-4B, 714-980-5B, 714-982-2B, 714-982-3B, 714-982-4B, 714-983-1B, 714-983-2B



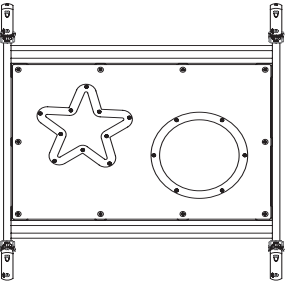
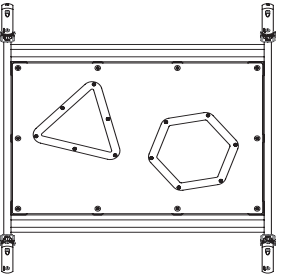
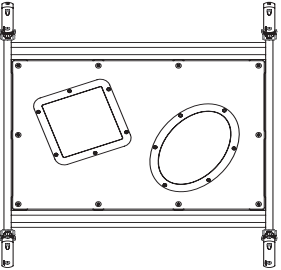
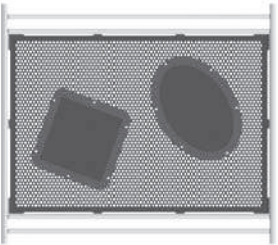
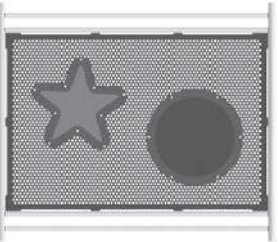
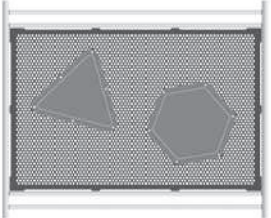
# Miracle *Product Specifications*

21AUG20

Rev. B

Tots' Choice® Expansion

## Sensory Panels - Below Deck

704-713-11B	704-713-12B	704-713-13B
		
704-713-14B	704-713-15B	704-713-16B
		

Models included:

<u>MODEL</u>	<u>DESCRIPTION</u>
704-713-11B	Sensory Panel Textured Star Circle
704-713-12B	Sensory Panel Textured Triangle Hexagon
704-713-13B	Sensory Panel Textured Square Oval
704-713-14B	TCX Below Deck Oval/Square Perf. Panel
704-713-15B	TCX Below Deck Star/Circle Perf. Panel
704-713-16B	TCX Below Deck Hex/Triangle Perf. Panel

### DESCRIPTION

These representational sensory panels, designed to enhance imagination and creative play, may be free-standing, clustered or below deck.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

Sensory Panels

704-713-11B, 704-713-12B, 704-713-13B, 704-713-14B, 704-713-15B, 704-713-16B

Tots' Choice® Expansion  
**Sensory Panels** - Below Deck

**MATERIALS**

**Panels:**

The panel shall consist of a border plastic, plastic shape inserts and shape flanges all joined by double sided rivets.

**Rivets:**

The rivets shall be aluminum.

**Border Plastic:**

The border plastic shall be constructed of translucent colored polycarbonate.

**Insert Plastic:**

The insert plastic shall be constructed of translucent, colored and textured PETG.

**Shape Flanges:**

The shape flanges shall be constructed of 11ga. sheet steel flange

**Frame:**

The frame shall be constructed of Gator Grip, 1" round tube and a 13ga. sheet steel flange all solid welded.

**Perforated Panel:** The perforated panel shall be constructed of 11ga. galvanized sheet.

**Fasteners:**

Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

**Finishes:**

The frame and shape frames shall have a Mira-Cote finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

704-713-11B, 704-713-12B, 704-713-13B, 704-713-14B, 704-713-15B, 704-713-16B



## Swing Seats

284, 2840 and 2841  
Slashproof Seat

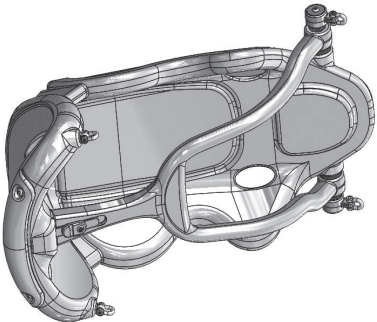


299 and 2990  
360° Tot Seat

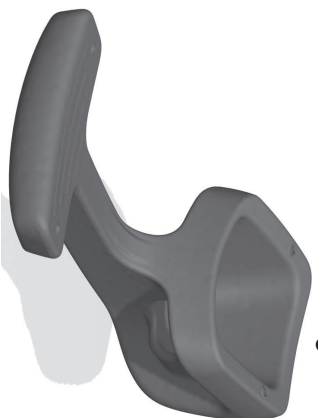


*Note: Chains NOT shown.*

2740 and 2741  
Inclusive Swing Seat



2760  
Generation Swing Seat



*Note: Chains NOT shown.*

## Swing Seats

### DESCRIPTION:

The Slashproof Seat is a flexible flat single strap seat with end attachment points and has an exterior surface of EPDM rubber. The 360 Degree Slashproof Tot Seat is a flexible seat fabricated into a configuration of a wide strap through the bottom, a wide strap running completely around at the top, and two (2) interconnecting straps at the front and the rear of the seat for complete enclosure of the small user. The exterior surface is EPDM rubber. The Inclusive Swing Seats are Rockite seats molded to form a chair. Models with chain each have two chains to suspend the swing from a swing frame header. The Generation Swings are Rockite seats molded to form a double sided swing, one side a tot swing design and the other for an adult. Models with chain each have two chains to suspend the swing from a swing frame header.

### MATERIALS:

#### Slashproof Seat:

The Slashproof Seat is constructed of a 4" wide inner steel insert of type 301 stainless spring steel, 0.020" thick. The slashproof seat is 26" long (excluding mounting triangles) x 5" wide x 5/8" thick at the front and rear leading cushion edges. The rubber molded to the steel core is 70 durometer EPDM. At each end a 16 ga. galvanized steel clip 3" wide is attached by three stainless steel rivets through the clip and seat subassembly. A 3/8" diameter galvanized steel mounting triangle is encompassed by the steel clip at each end of the seat.

#### 360 Degree Tot Seat:

The 360 Degree Tot Seat is constructed of a one piece die cut 0.020" thick, martinstitic spring steel insert with 70 durometer EPDM rubber, 1/4" thick, molded to the insert. The main seat strap is 5" wide, the back strap is 4" wide, and the front strap is 2" wide. The two (2) places where the straps are interconnected and form the suspension points for the seat are held by a clip and grommet system. The clip is 4" wide 16 ga. galvanized steel. There are two grommets per clip, each of which is 3/4" O.D. by 14 ga. wall galvanized steel tubing, flared to securely attach the clip to the seat. The two (2) mounting triangles are secured to the seat by clips and are made from 3/8" steel round stock, formed and galvanized.

#### Inclusive Swing Seat:

The Inclusive Swing Seat shall be constructed of Rockite. Attached to the seat is a reinforced polyurethane rubber bumper. The sliding latch mechanism is constructed from 6061 machined aluminum.

#### Generation Swing Seat:

The Generation Swing shall be constructed of Rockite.

#### Chain:

Each chain assembly is 4/0 straight link coil chain.

#### "D" Shackle:

The "D" Shackle for all models except the Inclusive Swing Seat and Generation Swing Seat are sand cast of ductile iron grade 60-40-18.

#### Finishes:

All rubber surfaces are EPDM. The Rockite Inclusive Swing Seat have molded-in color. All exposed metal surfaces are bright zinc plated. The clevises are zinc plated.









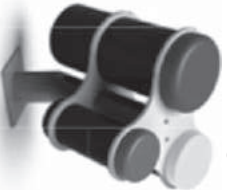
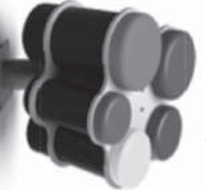


# Miracle *Product Specifications*

04MAY20

Rev. C

## Concerto™ - Tall Chimes, Vibes, Cabasas and Congas

450-1, 450-1BD Tall Chimes	450-2, 450-2BD Vibes	450-3, 450-3BD Spin Small Cabasas	450-4, 450-4BD Spin Medium Cabasas
			
450-5, 450-5BD Spin Large Cabasas	450-6, 450-6BD Two-Congas	450-7, 450-7BD Three-Congas	450-8, 450-8BD Five-Congas
			

<u>MODEL</u>	<u>PRODUCT</u>
450-1	Concerto Tall Chimes, In Ground
450-1BD	Concerto Tall Chimes, Bolt Down
450-2	Concerto Vibes, In Ground
450-2BD	Concerto Vibes, Bolt Down
450-3	Concerto Spin Small Cabasas, In Ground
450-3BD	Concerto Spin Small Cabasas, Bolt Down
450-4	Concerto Spin Medium Cabasas, In Ground
450-4BD	Concerto Spin Medium Cabasas, Bolt Down
450-5	Concerto Spin Large Cabasas, In Ground
450-5BD	Concerto Spin Large Cabasas, Bolt Down
450-6	Concerto Two-Congas, In Ground
450-6BD	Concerto Two-Congas, Bolt Down
450-7	Concerto Three-Congas, In Ground
450-7BD	Concerto Three-Congas, Bolt Down
450-8	Concerto Five-Congas, In Ground
450-8BD	Concerto Five-Congas, Bolt Down

Consult the "Glossary of Technical Data for Materials, Processes and Finishes" for definitions of underlined items.

Concerto - Tall Chimes, Vibes, Cabasas and Congas	
<b>Concerto™ - Tall Chimes, Vibes, Cabasas and Congas</b>	
<b>DESCRIPTION</b>	
The Concerto line of outdoor musical equipment allows children of all abilities to experience the joy and benefits of making music. Designed at a more accessible angle and height, these instruments can be played comfortably by all kids, including those with mobility devices.	
Note: Chimes and Vibes must be installed OUTSIDE of the playground area in regions that follow CSA certification; chimes and vibes that are installed INSIDE of the playground area in regions that follow CSA certification, mallets <u>must not</u> be installed. This is in order to meet playground compliance since there are several issues with the instruments using mallets that will not meet the guidelines.	
<b>Weldment:</b>	Galvanized 14 ga. sheet; Galvanized 3mm sheet; 3/8" black sheet zinc plated; 1/4" black plated; and Galvanized 2" pipe.
<b>Plastic Panels:</b>	1/2" and 3/4" HDPE (high density polyethylene) sheets - Cabasas - Vibes
<b>Hardware:</b>	18-8 Stainless Steel, Tamper resistant - All Components
<b>Coating:</b>	Super durable, electrostatically applied powder coat - All Components
<b>Steel Posts:</b>	5.00" OD x 11 gauge galvanized steel tubing - Congas post; 3.50" OD x 13 gauge galvanized steel tubing or 3.500" OD x 11 gauge galvanized steel tubing - Tall Chimes frame - Vibes post - Cabasas post
<b>Aluminum:</b>	6063 Aluminum - Chimes
<b>Congas:</b>	ABS plastic
<b>Post Caps:</b>	Aluminum

450-1, 450-1BD, 450-2, 450-2BD, 450-3, 450-3BD, 450-4, 450-4BD, 450-5, 450-5BD, 450-6, 450-6BD, 450-7, 450-7BD, 450-8, 450-8BD

Consult the "Glossary of Technical Data for Materials, Processes and Finishes" for definitions of underlined items.


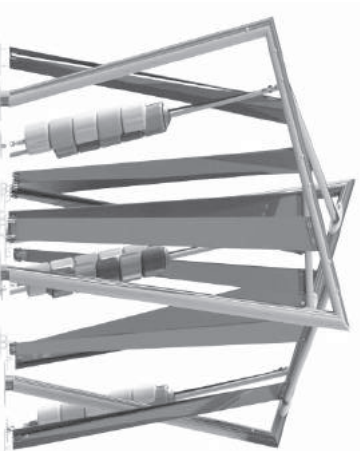

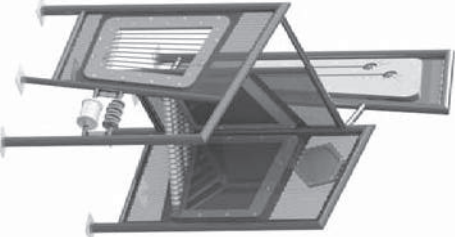

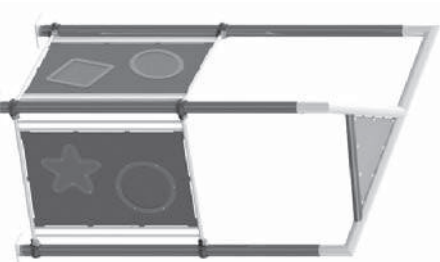


# Miracle *Product Specifications*

20OCT20

Rev. A

**Miracle Museum -** SpinAtrium, Odyssey Hall, Dynamics Lab, Grand Gallery, Momentum Corridor, Tranquility Corner Frame (Inground and Bolt Down)

	453-1, 453-1BD SpinAtrium		453-2, 453-2BD Odyssey Hall		453-3, 453-3BD Dynamics Lab
	453-4, 453-4BD Grand Gallery		453-5, 453-5BD Momentum Corridor		453-704, 453-704BD Tranquility Corner Frame

<u>MODEL</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>CONCRETE</u>
453-1	MM SpinAtrium (Inground)	NA	0.13 cu.yds.
453-1BD	MM SpinAtrium (Bolt Down)	NA	NA
453-2	MM Odyssey Hall (Inground)	9' x 7'	2.40 cu.yds.
453-2BD	MM Odyssey Hall (Bolt Down)	9' x 7'	NA
453-3	MM Dynamics Lab (Inground)	7' x 5'	0.39 cu.yds.
453-3BD	MM Dynamics Lab (Bolt Down)	7' x 5'	NA

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

Miracle Museum

453-1, 453-1BD, 453-2, 453-2BD, 453-3, 453-3BD, 453-4, 453-4BD, 453-5, 453-5BD, 453-704, 453-704BD



**Miracle Museum - SpinAtrium, Odyssey Hall, Dynamics Lab, Grand Gallery, Momentum Corridor, Tranquility Corner Frame (Inground and Bolt Down)**

<u>MODEL</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>CONCRETE</u>
453-4	MM Grand Gallery (Inground)	10' x 10'	0.30 cu.yds.
453-4BD	MM Grand Gallery (Bolt Down)	10' x 10'	NA
453-5	MM Momentum Corridor (Inground)	3' x 12'	0.17 cu.yds.
453-5BD	MM Momentum Corridor (Bolt Down)	3' x 12'	NA
453-704	MM Tranquility Corner Frame	5' x 5'	0.50 cu.yds.
453-704BD	MM Tranquility Corner Frame Bolt Down	5' x 5'	NA

**DESCRIPTION**

The Miracle Museum playevents are designed to be enjoyed by children of all abilities, including autism, developmental delays and those that use mobility devices. Children can use their imagination and enhance creative play. The Miracle Museum playevents may be freestanding, clustered or grouped with other Miracle Museum playevents.

**MATERIALS**

- Spinner Assembly: Shall be constructed from 3/4" and 1/2" Mira-lene routed panels, bronze bearing and polymer and stainless steel balls inside the spinner and covered by a transparent polycarbonate bubble.
- Post Weldment: Shall be made from 3/5" x 11ga. galvanized steel tubing, 7 ga. galvanized steel sheet and 3/8" steel plate.
- Odyssey Hall Frame Weldments: Shall be constructed of tube 3.500 OD x 11 ga. galvanized with tabs and blocks made from SHST GAL 3.0mm (11ga.) and 5/8" mild steel block hanger.
- Cross Members: Shall be constructed from tube 2.375 OD x 12 ga. galvanized with tabs and blocks made from SHST GAL 3.0mm (11 ga.) and 5/8" mild steel block hanger.
- Spinners: Shall be made from rotational molded plastic and 9.5mm (.38") grey textured styrene butadiene rubber (SBR).
- Ropes: Shall be steel reinforced nylon braided rope with a galvanized foundation steelwork.
- Chains: Shall be 4/O straight link coil chain.
- Odyssey Hall Finish: The frame shall have a MICA-Cote™ finish.
- Dynamics Lab Frame Weldments: Shall be constructed of tube 3.500 OD x 11 ga. galvanized, tube 2.375 OD x 16 ga. galvanized and SHST GAL 3.0mm (11 ga.), Footings for bolt down version will be made from plate 9.5mm (3/8") A36 and welded to the main frame.

453-1, 453-1BD, 453-2, 453-2BD, 453-3, 453-3BD, 453-4, 453-4BD, 453-5, 453-5BD, 453-704, 453-704BD

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

## Miracle Museum - SpinAtrium, Odyssey Hall, Dynamics Lab, Grand Gallery, Momentum Corridor, Tranquility Corner Frame (Inground and Bolt Down)

Mounting Weldments:	Shall be constructed of RDTB ILG 42.2 x 3.0, SHST GAL 3.0mm (11ga.) and tube 1.315 OD x 11 ga. galvanized and used to mount the drum. The weldment for the spinner events shall be constructed of SHST HR 4.5mm (7 ga.) and 1215 steel.
Router Events:	Shall be constructed from 3/4" sheet laminated HDPE or 1/2" sheet HDPE.
Dynamics Lab Finish:	The frame shall have a MICA-Cote™ finish.
Grand Gallery Frame:	Shall be constructed of 3 1/2" OD x 11 ga. galvanized tube, 2 3/8" OD x 12 ga. galvanized tube, 1 5/8" x 11 ga. galvanized tube and 3.0mm galvanized sheet. Footings for bolt down version shall be constructed of 3/8" A36 plate, welded.
Activities:	Shall be constructed from 1/2" laminated high-density polyethylene, 3/4" laminated high-density polyethylene, 1/4" translucent colored polycarbonate, cast alloyed aluminum bells, golf balls, mirrored finish stainless steel, polystyrene high impact static cylinders in red and blue and 1/2" stainless steel acme threaded rod.
Momentum Corridor Slide:	Slide sides shall be constructed of 4.6mm galvanized sheet, 3 1/2" x 13 ga. galvanized tube and 25.4 x 14 ga. tube. Slide decks shall be constructed of 2.3mm galvanized sheet. Rollers shall be constructed of 2" aluminum tubing with nitrile bearings on stainless steel shafts.
Roof:	Slide roof shall be constructed of 4.6mm galvanized sheet, 3.0mm galvanized sheet, 1 7/8" x 11 ga. tube and 1 5/16" x 14 ga. tube.
Support:	Slide support shall be constructed of 1 5/8" x 11 ga. galvanized tube and 4.6mm galvanized sheet.
Tranquility Corner Top Weldment:	Top weldment shall be made from: corner cross member 1, tube md 3.500 11ga. glv; corner cross member 2, tube md 3.500 11ga. glv; corner cross member 3, tube md 2.375 12ga. glv; corner bolt panel 1, 2 and 3, sheet 11ga. galv (3.0mm).
Triangle Roof (KODA):	Shall be constructed of <u>KODAXI</u> 1/4".
Corner Leg 1 and 2:	Shall be constructed of tube md 3.500 11ga. glv.
All Models Fasteners:	All hardware shall be <u>Fastener Style A</u> .
Finishes (unless otherwise stated):	The frame assembly shall have a <u>Mira-Cote™</u> finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.



# Miracle *Product Specifications*

June 14, 2018

Rev. E

Kids' Choice®

## Arch Swing Frames -

1 Bay, 2 Bay, 3 Bay, 4 Bay, Therapeutic Seat Bays & Extensions and 1 Bay Extension

714-852-2

Arch Swing Frame -  
1 Bay (for 2 Seats)



714-852-4

Arch Swing Frame -  
2 Bay (for 4 Seats)



714-852-6

Arch Swing Frame -  
3 Bay (for 6 Seats)



714-852-8

Arch Swing Frame -  
4 Bay (for 8 Seats)



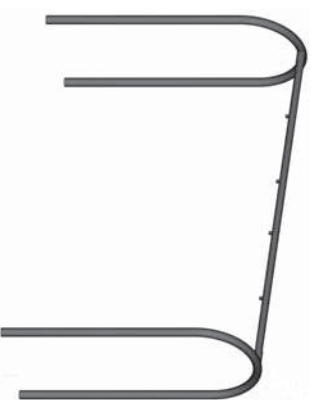
714-852-1H

Arch Swing Frame - Therapeutic Swing  
Seat or Generation Swing



714-852-2HH

Arch Swing Frame - Therapeutic  
Swing Seat or Generation Swing -  
1 Bay (for 2 Seats)



714-852-1HX

Arch Swing Extension - Therapeutic  
Swing Seat or Generation Swing





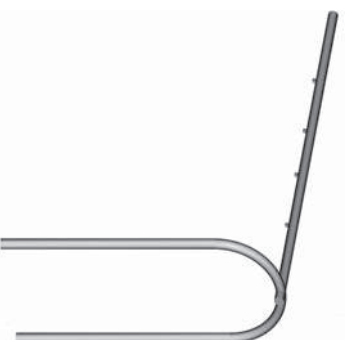
**Kids' Choice®**  
**Arch Swing Frames -**

**1 Bay, 2 Bay, 3 Bay, 4 Bay, Therapeutic Seat Bays & Extensions and 1 Bay Extension**

**714-852-2HHX**  
**Arch Swing Extension - Therapeutic**  
**Swing Seat or Generation Swing -**  
**1 Bay (for 2 Seats)**



**714-852-2X**  
**Arch Swing Extension -**  
**1 Bay (for 2 Seats)**



**Arch Swing Frames & Extensions**

<u>MODEL</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>
714-852-2	Arch Swing Frame - 1 Bay (for 2 Seats)	12' x 4'-6"
714-852-4	Arch Swing Frame - 2 Bay (for 4 Seats)	24' x 4'-6"
714-852-6	Arch Swing Frame - 3 Bay (for 6 Seats)	35' x 4'-6"
714-852-8	Arch Swing Frame - 4 Bay (for 8 Seats)	47' x 4'-6"
714-852-1H	Arch Swing Frame - Therapeutic Swing Seat or Generation Swing	8' x 4'-6"
714-852-2HH	Arch Swing Frame - Therapeutic Swing Seat or Generation Swing - 1 Bay (for 2 Seats)	12'-10" x 4'-5"
714-852-1HX	Arch Swing Extension - Therapeutic Swing Seat or Generation Swing	8' x 4'-6"
714-852-2HHX	Arch Swing Extension - Therapeutic Swing Seat or Generation Swing - 1 Bay (for 2 Seats)	12'-10" x 4'-5"
714-852-2X	Arch Swing Extension - 1 Bay (for 2 Seats)	12' x 4'-6"
<u>MODEL</u>	<u>PROTECTIVE AREA</u>	<u>CONCRETE</u>
714-852-2	24' X 32'	0.5 cu. yds.
714-852-4	36' X 32'	0.7 cu. yds.
714-852-6	46' X 32'	0.9 cu. yds.
714-852-8	57' X 32'	1.25 cu. yds.
714-852-1H	21' X 32'	0.5 cu. yds.
714-852-2HH	26' X 32'	0.5 cu. yds.
714-852-1HX	21' X 32'	0.25 cu. yds.
714-852-2HHX	26' X 32'	0.25 cu. yds.
714-852-2X	24' X 32'	0.5 cu. yds.

714-852-2, 714-852-4, 714-852-6, 714-852-8, 714-852-2X, 714-852-1H, 714-852-2HH, 714-852-1HX, 714-852-2HHX

## Kids' Choice® Arch Swing Frames -

### 1 Bay, 2 Bay, 3 Bay, 4 Bay, Therapeutic Seat Bays & Extensions and 1 Bay Extension

#### DESCRIPTION

All models consist of arch assemblies, header and clevises which assemble to form a swing frame. The swing frames are available in 1, 2, 3, or 4 bay models providing for 1, 2, 4, 6, or 8 swing configurations. Swings must be ordered separately. Therapeutic Swing Seat (Model 2720) or Generation Swing (Model 2760) must be ordered separately.

#### MATERIALS

**Arches:** Arch assemblies shall consist of the arch, which serves as legs for the swing frame, and arch stub(s) which support the header. Arches and stubs shall be constructed of 5" tube, 11 ga. Arches shall measure 132" from leg end to the plane at the height of the underside of the apex. Stubs shall measure approximately 5-1/4" with two 5/8" holes drilled on top and bottom of stub 1-1/2" from flush end for field attachment of header. The stubs shall be solid welded to the arches.

**Header:** The header assembly must be installed 8' above the finished surfacing. Each header assembly shall consist of a header with a sleeve connector attached to each end. The header for Model 714-852-2 and 714-852-1H shall be constructed of 5" tube, 11 ga. and shall measure 124". The header for Model 714-852-1H and 714-852-1HX shall be constructed of 5" tube, 11 ga. and shall measure 81". The header for Model 714-852-2HH and 714-852-2HHX shall be constructed of 5" tube, 11 ga. and shall measure 137". The sleeve connector shall measure 6" and shall be constructed of 5" Schedule 40 pipe, with two 9/16" holes drilled on top and bottom of connector 1-1/2" from one end. The sleeve connectors shall be solid welded to the headers with an overhang receptacle depth of 3-1/2". The header shall have 1-1/4" O.D. bushing housings welded to it with 9/16" O.D. oil-impregnated bushings installed after painting.

**Clevises:** The clevises shall be cast of ductile iron grade 60-40-18.

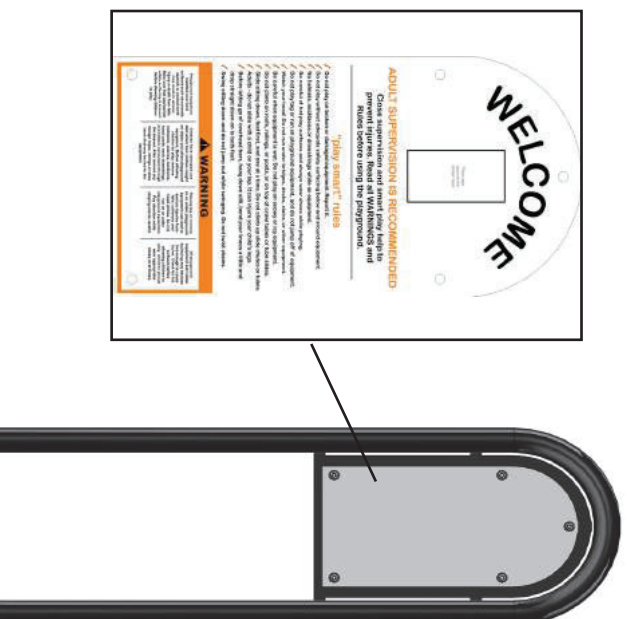
**Fasteners:** All fastening hardware shall be Fastener Style A.

**Finishes:** The arches and header shall be finished in Mira-Cote. The clevises shall be zinc plated.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of



## Risk Management Sign



Note: English version shown.

<u>MODEL</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>CONCRETE</u>
787	Risk Management Sign - English	1'-6" x 3'-6"	0.09 cu. yd.
787FR	Risk Management Sign - French	1'-6" x 3'-6"	0.09 cu. yd.
787FRENG	Risk Management Sign - French/English	1'-6" x 3'-6"	0.09 cu. yd.
787SP	Risk Management Sign - Spanish	1'-6" x 3'-6"	0.09 cu. yd.
787BD	Risk Management Sign - English Surface MT	1'-6" x 3'-6"	site specific
787BDFR	Risk Management Sign - French Surface MT	1'-6" x 3'-6"	site specific
787BDFRENG	Risk Management Sign - French/English SM	1'-6" x 3'-6"	site specific
787BDSP	Risk Management Sign - Spanish Surface MT	1'-6" x 3'-6"	site specific

### DESCRIPTION

The Risk Management Sign is intended to inform the parents and children that adult supervision is recommended, along with smart play on the equipment in the play area.

### MATERIAL

**Sign:** Aluminum 3003-H14 .08" thick-powder coated white with screen printed overlay.

**Steel Frame:** 2-3/8" OD 12 gauge galvanized steel tubing, 13 gauge galvanized steel sheet for mounting sign, and 3/8" thick hot rolled steel base plate on each leg.

**Extension Tube:** 2.375 12GA GLV-L X 24' tube round.

**Hardware:** Stainless steel that requires tooling to install or remove.

**Finish:** The frame shall have a Mira-Cote finish.





## Bug Bites® "C" Spring Rider - Lucky

### **IMPORTANT!** Prior to installation of any components, refer to **Playsystem Installation**

**Guidelines and Tips** in the *Install 101* section of your manual. This section will provide important tips pertaining to **site preparation, footings, system stabilization**, and other necessary information **vital to the success of your installation.**



**960**  
**"C" Spring Rider - Lucky**

<u>MODEL</u>	<u>PRODUCT</u>	<u>GRND SPACE</u>	<u>PROT. AREA</u>	<u>CONCRETE</u>
960	"C" Spring Rider - Lucky	2-11" x 4'-4"	17' x 16'	0.25 cu. yds.

### DESCRIPTION

This "C" Spring Rider is designed to provide children with an engaging, fun and safe physical activity that stimulates imaginative play while encouraging sharing and cooperation. "C" Spring Riders feature traditional "rocking horse" type movement using one "flat strip" style spring, formed into a "C" shape. Model # 960 is shaped like a ladybug.

### MATERIAL

#### **Rider Body:**

The rider body shall consist of a Rockite figure supported by a body frame. Wall thickness of molded components shall be 3/16" to 1/4". The body frame shall consist of front and/or rear supports constructed of 1-1/2" tube and/or of 2" x 2" x 1/4" angle, a cross member constructed of 1-1/4" pipe, and handholds of Gator Grip.

#### **"C" Spring:**

The "C" springs shall be constructed of 3/8" or 7/16" spring steel, 4" wide by approximately 41-1/2" long, bent 180 degrees to form a large "C".

#### **Pinch Plate:**

Pinch Plates shall be constructed of 1/4" flat sheet.

#### **Base Weldment:**

Base Weldments shall comprise an anchor plate constructed of 1/8" x 2" flat sheet, a bracket of 7 ga. sheet, and a center tube constructed of 5" tube, all solid welded.

#### **Fasteners:**

All hardware shall be Fastener style A.

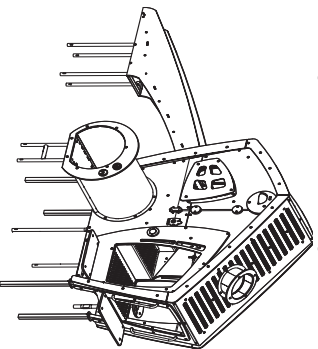
#### **Finish:**

The Rockite rider bodies shall have color molded in. Lucky shall have molded in color for the spots and molded in decals for the eyes. Handholds shall have a galvanized finish. The "C" springs shall be finished in Mira-Cote™.

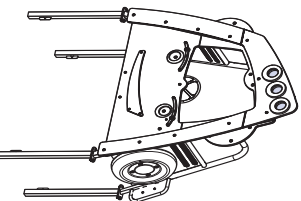


**Mini City** - Community Helper, Truck, Playhouse, Silly Tree, Garden Crawl Tunnel, Sensory Garden Wall (Double Sided), Traffic Light, Chattery

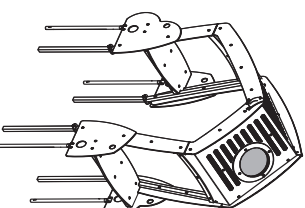
MR0880, MR0880BD  
Mini City Community Helpers



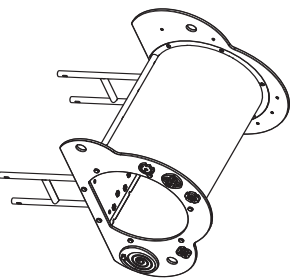
MR0881, MR0881BD  
Mini City Truck



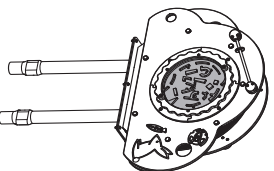
MR0882, MR0882BD  
Mini City Playhouse



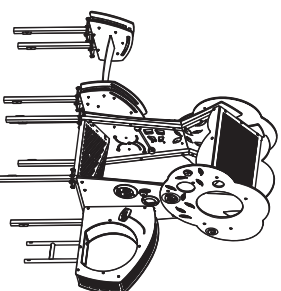
MR0883, MR0883BD  
Mini City Garden Crawl



MR0884, MR0884BD  
Mini City Sensory Garden  
Wall Double Sided



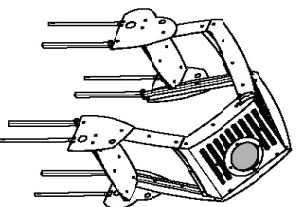
MR0885, MR0885BD  
Mini City Silly Tree



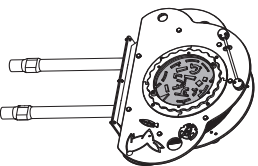
MR0886, MR0886BD  
Mini City Traffic Light



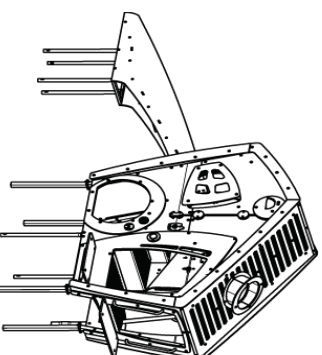
MR0887, MR0887BD  
Mini City Chattery



MR0888, MR0888BD  
Mini City Sensory Garden  
Wall Single Sided



MR0889, MR0889BD  
Mini City Community Helpers  
w/o Crawl Tube



Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

**Mini City - Community Helper, Truck, Playhouse, Silly Tree, Garden Crawl Tunnel, Sensory Garden Wall (Double Sided), Traffic Light, Chatterry**

<b>MODEL</b>	<b>PRODUCT</b>	<b>GROUND SPACE</b>	<b>CONCRETE</b>
MR0880	Mini City Community Helpers (In-Ground)	29'-0" x 23'-0"	1.10 cu. yds.
MR0880BD	Mini City Community Helpers (Bolt Down)	29'-0" x 23'-0"	1.10 cu. yds.
MR0881	Mini City Truck (In-Ground)	NA	0.24 cu. yds.
MR0881BD	Mini City Truck (Bolt Down)	NA	0.24 cu. yds.
MR0882	Mini City Playhouse (In-Ground)	14'-0" x 17'-0"	0.48 cu. yds.
MR0882BD	Mini City Playhouse (Bolt Down)	14'-0" x 17'-0"	0.48 cu. yds.
MR0883	Mini City Garden Crawl (In-Ground)	17'-0' x 17'-0'	0.06 cu. yds.
MR0883BD	Mini City Garden Crawl (Bolt Down)	17'-0' x 17'-0'	0.06 cu. yds.
MR0884	Mini City Sensory Garden Wall Double Sided (In-Ground)	NA	0.12 cu. yds.
MR0884BD	Mini City Sensory Garden Wall Double Sided (Bolt Down)	NA	0.12 cu. yds.
MR0885	Mini City Silly Tree (In-Ground)	23'-0" x 18'-0"	NA
MR0885BD	Mini City Silly Tree (Bolt Down)	23'-0" x 18'-0"	NA
MR0886	Mini City Traffic Light (In-Ground)	NA	0.13 cu. yds.
MR0886BD	Mini City Traffic Light (Bolt Down)	NA	0.13 cu. yds.
MR0887	Mini City Chatterry (In-Ground)	NA	0.48 cu. yds.
MR0887BD	Mini City Chatterry (Bolt Down)	NA	0.48 cu. yds.
MR0888	Mini City Sensory Garden Wall Single Sided (In-Ground)	NA	0.12 cu. yds.
MR0888BD	Mini City Sensory Garden Wall Single Sided (Bolt Down)	NA	0.12 cu. yds.
MR0889	Mini City Community Helpers w/o Crawl Tube (In-Ground)	29'-0" x 20'-0"	1.10 cu. yds.
MR0889BD	Mini City Community Helpers w/o Crawl Tube(Bolt Down)	29'-0" x 20'-0"	1.10 cu. yds.

**DESCRIPTION**

The Mini City Playhouses are designed to be enjoyed by children of all abilities, including autism, developmental delays and those that use mobility devices. Children can use their imagination, improve strength, agility and mobility.

**MATERIALS**

**Steel Frame:** Shall be constructed from 2" square tubing, 16-gage galvanized steel tubing, 1/4" steel plates.

**Steel Frame:** Shall be constructed from 12-gage and 14-gage galvanized steel.  
**(Sensory Garden Wall, Traffic Light)**

**Steel Roof/End Walls:** Shall be constructed from 12-gage galvanized steel plate.

**Stairs:** Shall be constructed from 12-gage steel coated with durable, thermoplastic coating.

**Deck Platform:** Shall be constructed from 12-gage steel coated with durable, thermoplastic coating.



## Mini City - Community Helper, Truck, Playhouse, Silly Tree, Garden Crawl Tunnel, Sensory Garden Wall (Double Sided), Traffic Light, Chattery

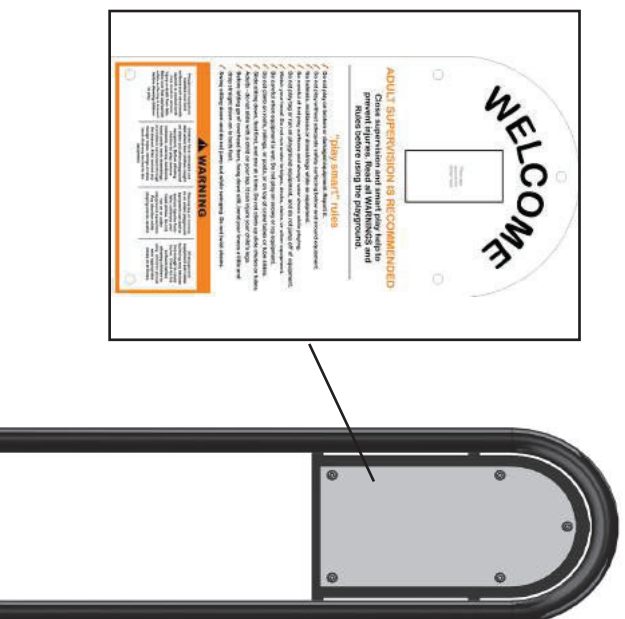
### MATERIALS cont.

Rope:	Shall be 16mm rope with aluminum connector.
Steel Crawl Tube:	Shall be constructed from 14-gage galvanized steel, 8-gage galvanized steel, <u>1-1/4" pipe</u> , 13-gage galvanized steel tubing.
Steel Climber:	Shall be constructed from <u>1-1/2" pipe</u> , 13-gage galvanized steel tubing, 8-gage and 1/4" steel plate.
Plastic Slide:	Shall be <u>1/2" HDPE</u> bedway, <u>3/4" HDPE</u> sides.
Plastic Steps/Seat:	Shall be <u>3/4" textured HDPE</u> .
Plastic Walls/Ends/ Panels:	Shall be <u>3/4" HDPE</u> .
Plastic Tire:	Shall be rotationally molded LLDPE.
Skylight: (Chattery)	Shall be 1/4" <u>Koda XT</u> .
Skylight: (Playhouse, Chattery)	Shall be 3/16" screen printed Lexan.
Castings:	Shall be 319 aluminum.
Finishes:	Finishes shall be in <u>Mira-Cote</u> .
Fasteners:	All fastening hardware shall be <u>Fastener Style A</u> .
Shelves:	Shall be constructed from 12-gage steel.
Graphic Panels:	Shall be 1/4" <u>fiberglass</u> signs.
Dog Door/Belt Bridge:	Shall be 3/8" <u>Flexthead</u> .
Colored Lenses:	Shall be 1/8" acrylic colored panels with 3/16" Lexan covers.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.



## Risk Management Sign



Note: English version shown.

<u>MODEL</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>CONCRETE</u>
787	Risk Management Sign - English	1'-6" x 3'-6"	0.09 cu. yd.
787FR	Risk Management Sign - French	1'-6" x 3'-6"	0.09 cu. yd.
787FRENG	Risk Management Sign - French/English	1'-6" x 3'-6"	0.09 cu. yd.
787SP	Risk Management Sign - Spanish	1'-6" x 3'-6"	0.09 cu. yd.
787BD	Risk Management Sign - English Surface MT	1'-6" x 3'-6"	site specific
787BDFR	Risk Management Sign - French Surface MT	1'-6" x 3'-6"	site specific
787BDFRENG	Risk Management Sign - French/English SM	1'-6" x 3'-6"	site specific
787BDSP	Risk Management Sign - Spanish Surface MT	1'-6" x 3'-6"	site specific

### DESCRIPTION

The Risk Management Sign is intended to inform the parents and children that adult supervision is recommended, along with smart play on the equipment in the play area.

### MATERIAL

**Sign:** Aluminum 3003-H14 .08" thick-powder coated white with screen printed overlay.

**Steel Frame:** 2-3/8" OD 12 gauge galvanized steel tubing, 13 gauge galvanized steel sheet for mounting sign, and 3/8" thick hot rolled steel base plate on each leg.

**Extension Tube:** 2.375 12GA GLV-L X 24' tube round.

**Hardware:** Stainless steel that requires tooling to install or remove.

**Finish:** The frame shall have a Mira-Cote finish.

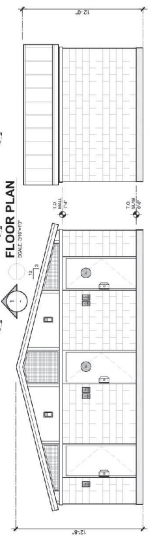
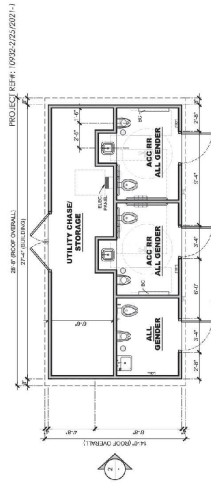
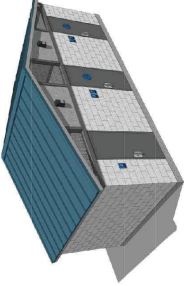
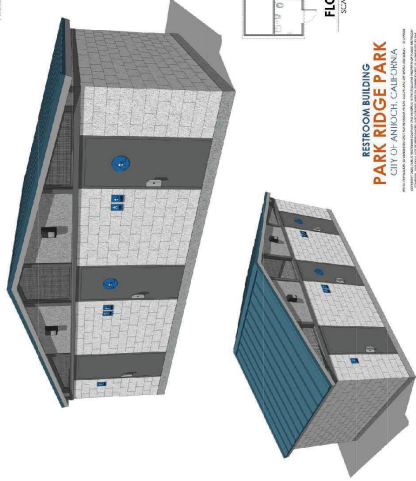


REVISIONS	BY



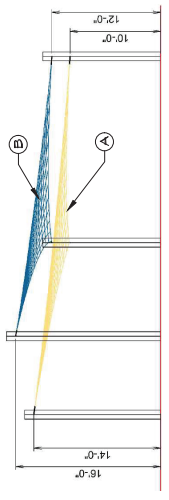
**ENVIRONMENTAL  
FORESIGHT, INC.**  
Landscape Architecture  
1700 N. Broadway, Suite 401  
Walnut Creek, CA 94596  
T (925) 945-0300 F (925) 945-6888  
[www.environmentalforsight.com](http://www.environmentalforsight.com)

## CONSTRUCTION DETAILS



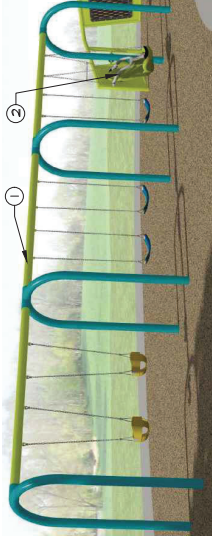
## **RESTROOM FACILITY**

1/1 DTI-Restroom.dwg



## SHADE SAILS

SCALE: NTS  
1/1 DTI-Backboard.dwg



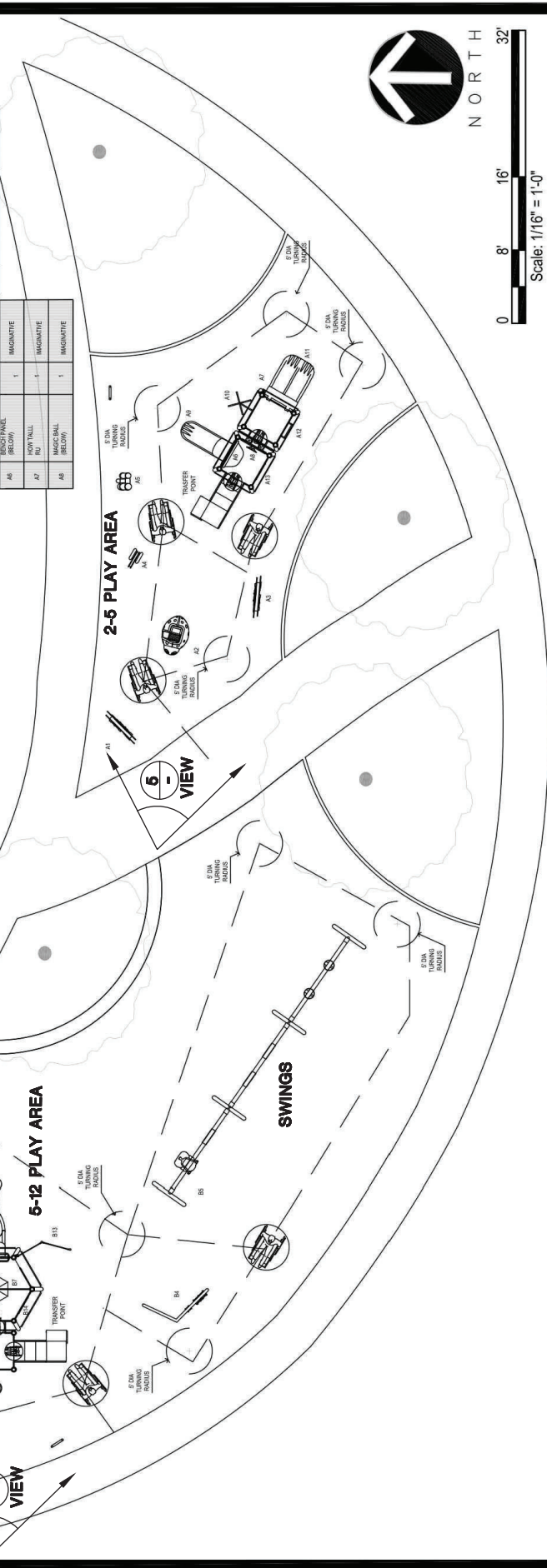
- ① **SPAVING SET & PLAYGROUND AREA**  
(AGE 2-12 YRS):  
MANU: MIRACLE PLAY, INC.  
1. SEE LAYOUT PLAN THIS SHEET FOR  
2. INSTALL PER MANUFACTURER'S  
3. SPECIFICATIONS.  
4. [www.miracleplaygroup.com](http://www.miracleplaygroup.com)  
5. A/VAIL: [www.miracleplaygroup.com](http://www.miracleplaygroup.com)

3 SWING SET @ PLAYGROUND  
AREA (AGE 2-12 YRS)

**OUND** SCALE: NT

MANUAL NAME AND TYPE OF GROUND LEVEL PLAY COMPONENTS		MANUAL NAME AND TYPE OF UNDERPLAY COMPONENTS	
KEY	NAME OF GROUND LEVEL PLAY COMPONENTS	KEY	NAME OF UNDERPLAY COMPONENTS
B1	STEEL COUNTER BELLO	B1	SPIRAL CLIMBER
B2	WALL WITH BELLO (BELLO)	B2	GROOVE & SLIDING
B3	MITRACALITY CORNER	B3	THRETTED YNE CLIMBER
B4	MYNOMICS LAB	B4	457° THINCLIN SLIDING
B5	SPINGS	B5	CHARMELIN II SLIDING
B6	STEEL PANE STEERING WHEEL (BELLO)	B6	WAY WIDE PANA WHEEL CLIMBING
B7	STEEL PANA THROUG	B7	VERTICAL CARGO CLIMBING

MINIMUM NUMBER OF ACTIVITIES TO BE COMPLETED			MINIMUM NUMBER OF ACTIVITIES TO BE COMPLETED		
ACTIVITY		RESPONDENT	ACTIVITY		RESPONDENT
KEY	NAME OF COMPONENT	NUMBER	KEY	NAME OF COMPONENT	NUMBER
A1	MC GREGOR WALL INTERACTIVE PANEL	1	A10	TRANSFORMER SLIDE	1
A2	LUCKY POKER	1	A11	8-DECK SLIDE	1
A3	MC GREGOR WALL WHYNOTTE CONCEPT PANEL	4	A12	VERTICAL WOODER	1
A4	MC GREGOR WALL WHYNOTTE SLIDES	1	A13	CARGO CUMBER	1
A5	CONCEPT 2-DIGRAM	1			



0 8' 16' 32'

Scale: 1/16" = 1'-0"

## Park Ridge Park, Path of Travel

20_0946_ParkRidgePark_002	CG	12/14/2020	Antioch, CA
---------------------------	----	------------	-------------



- ① ADA PLAY STRUCTURE  
(AGE 2-5 YRS);  
MANU: MIRACLE PLAY, INC.  
MODEL: 20\_0946
- ② ADA GROUND LEVEL PLAY  
COMPONENTS;  
MANU: MIRACLE PLAY, INC.
- ③ ALL ELEVATED COMPONENTS  
ADA ACCESSIBLE

**NOTES:**

1. SEE LAYOUT PLAN THIS SHEET FOR LOCATIONS & PRODUCTS.
2. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
3. AVAIL:

**2-5 AGE PLAY AREA**

SCALE: NTS  
1/1 DTi-5-12 Play Structure.dwg



- ① ADA PLAY STRUCTURE  
(AGE 5-12 YRS).  
MANU: MIRACLE PLAY, INC.  
MODEL: 20\_0946
- ② ADA GROUND LEVEL PLAY  
COMPONENTS:  
MANU: MIRACLE PLAY, INC.
- ③ ALL ELEVATED COMPONENTS

**NOTES:**

1. SEE LAYOUT PLAN THIS SHEET FOR LOCATIONS & PRODUCTS.
2. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
3. AVAIL:

### 5-12 AGE PLAY AREA

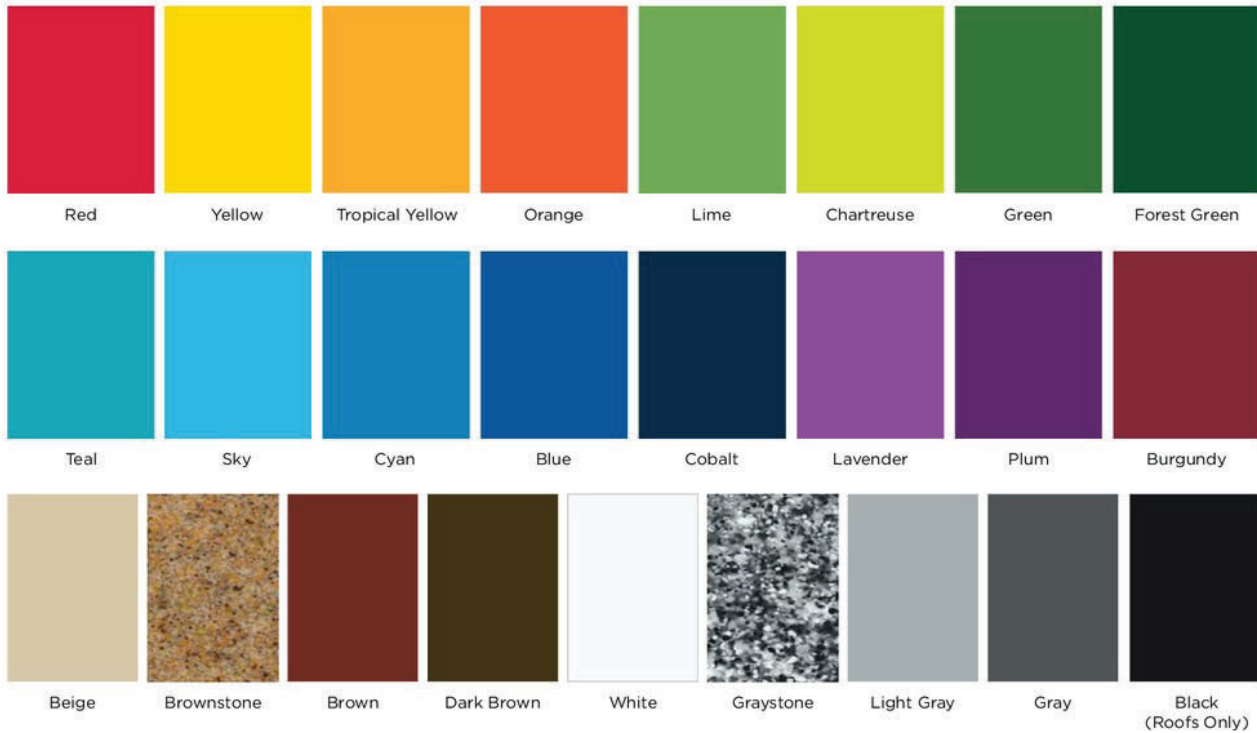
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1/1 DTI-5-12 Play Structure.dwg



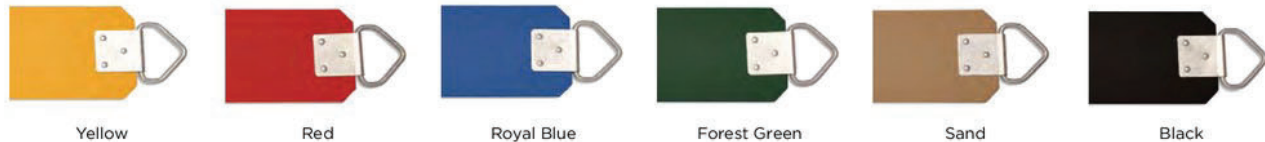
# Color Choices

## Rock-ite® Plastic Colors

Roofs, Slides, Big Timber® Components, Crawl Tubes, Bongos™, Bumpers and Panels.



## Miracle Swing Seat Colors



## Mira-Lene™ Panel Colors



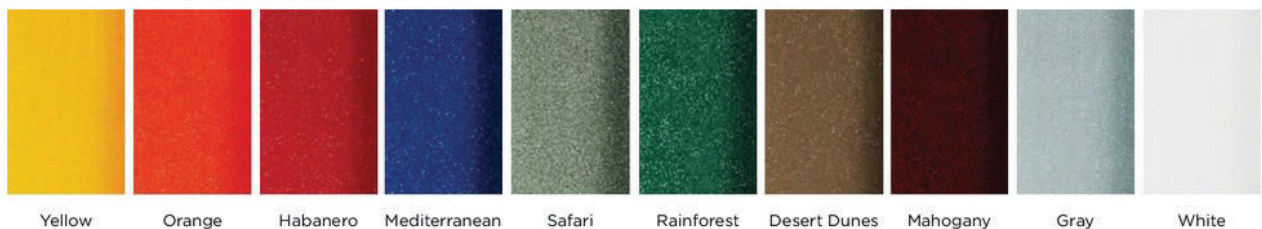
## Mira-Cote™ Powder-Coated Painted Metal Colors

Posts, Arches, Swings and Accents (Railings & Climbers).



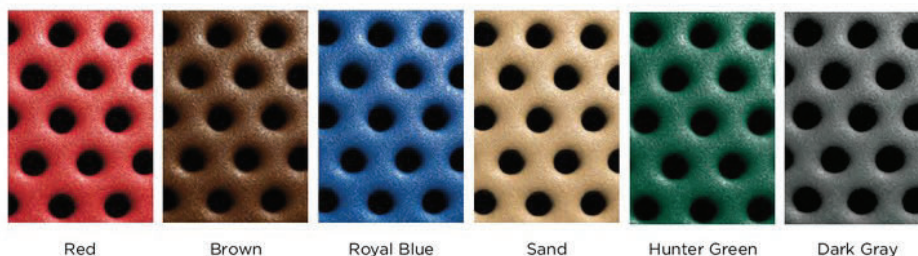
## Mira-Cote™ Antimicrobial Painted Metal Colors

This proprietary treatment helps minimize bacterial mold, algae growth and stains.



## Mira-Therm™ Textured Colors

Mira-Therm coatings for Decks, Steps, Ramps, Bridges and Cargo Climbers are available in either orthophthalate-free Mira-Therm 2 (vinyl) or Mira-Therm PE (polyethylene)-based coatings with Antimicrobial enhancements.



Miracle® uses high quality materials and state of the art manufacturing processes. Commercial playgrounds and products are subjected to years of environmental and solar exposure. Such extreme exposure takes its toll on paints and pigments, and all colors will fade over time. So Miracle® does not warrant against color fading or discoloration. It is important to properly maintain your playground to ensure its longevity. Depending on environmental conditions at your location, the installation of fabric shade structures may help to delay fading and discoloration. Actual colors in catalog may vary due to four color printing process.



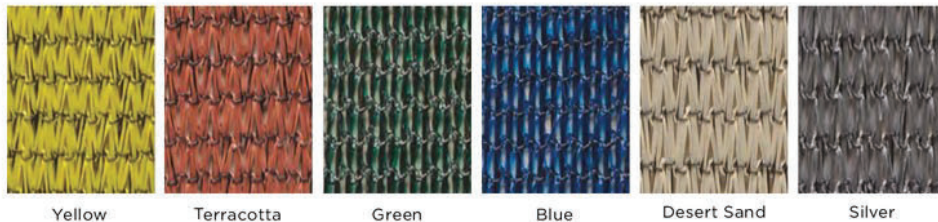
# Color Choices

## Shade Fabric Colors

SHADESURE™ Fabrics *Passes: NFPA 701 / ASTM-E84*

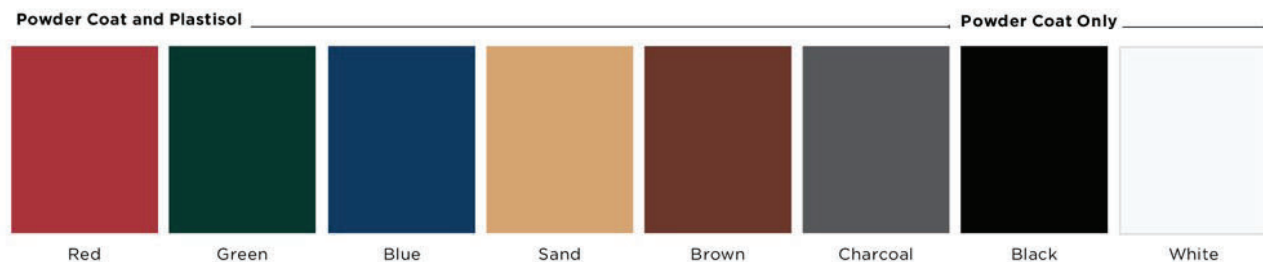


COLOURSHADE® Fire Retardant Fabrics *Passes: NFPA 701 / ASTM-E84 / OSFM TITLE 19*



## Site Furnishing Colors

Amenities receive a durable color coating that will not rust, crack, peel, or warp. Choose a powder coat color for framework and plastisol coating for table tops, seats, and backs.



## Site Furnishing Patterns



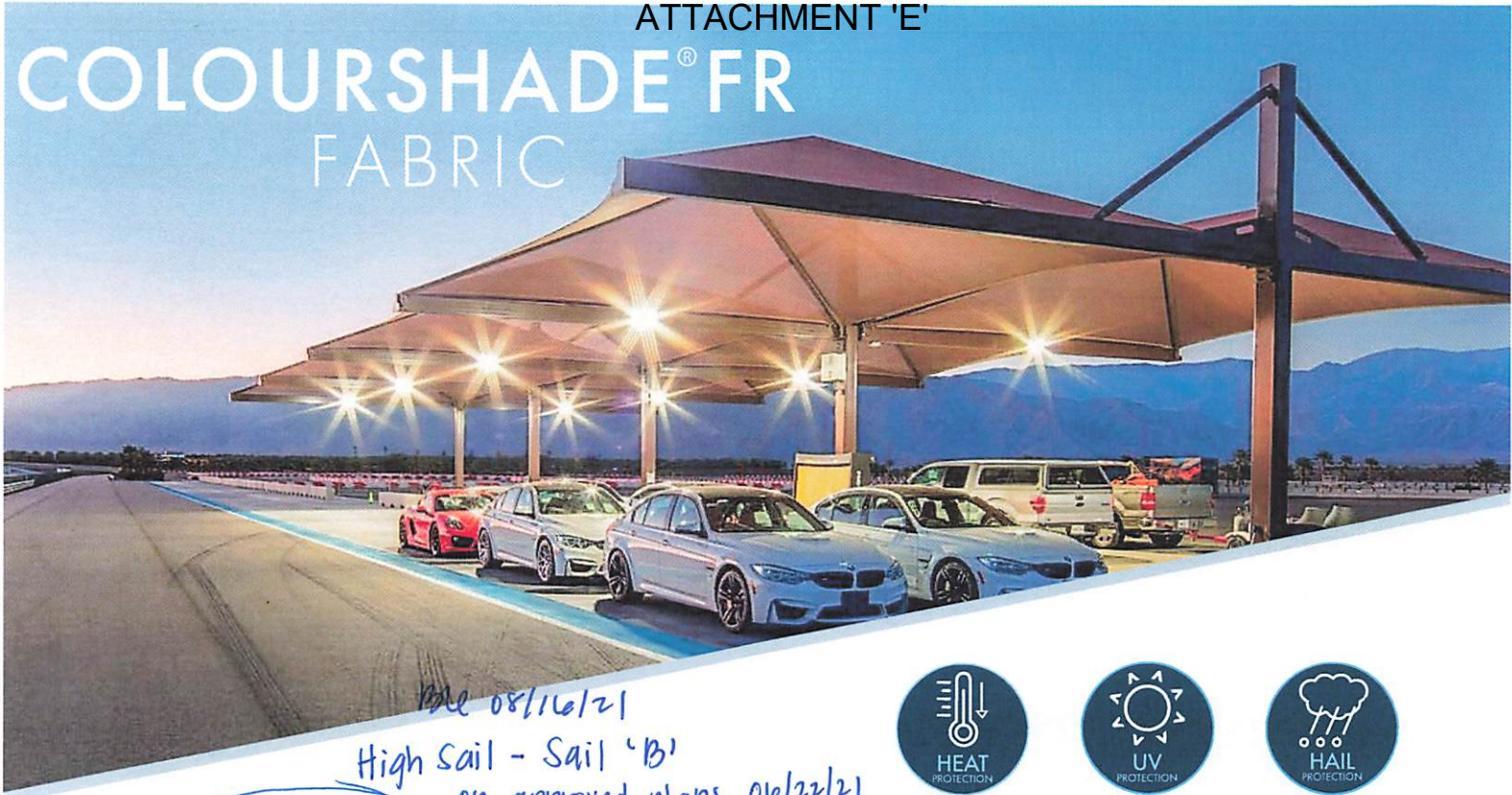
Slat and Rib patterns (not shown) available in select site furnishing products.

## Recycled Plastic Colors

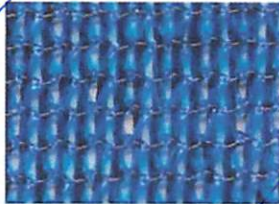




# COLOURSHADE® FR FABRIC



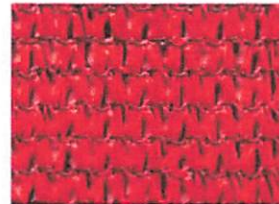
Per 08/16/21  
High Sail - Sail 'B'  
on approved plans 06/22/21



**BLUE**  
SHADE 80%  
UV 85%



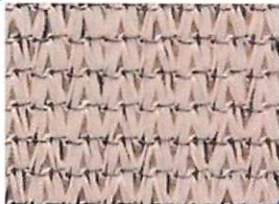
**GREEN**  
SHADE 80%  
UV 85%



**RED**  
SHADE 80%  
UV 86%



**TERRACOTTA**  
SHADE 75%  
UV 82%



**DESERT SAND**  
SHADE 80%  
UV 92%



**YELLOW**  
SHADE 80%  
UV 89%



**SILVER**  
SHADE 80%  
UV 81%

Colourshade® fabrics carry a 10 year limited manufacturers warranty from the date of installation against failure from significant fading, deterioration, breakdown, mildew, outdoor heat, cold, or discoloration, with the exception of the Red fabric which carries a 3 year limited warranty.

Low Sail - Sail 'A'  
on approved plans 06/22/21.

Per 08/16/21



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& Fabric Structures®



[www.usa-shade.com](http://www.usa-shade.com)

**Corporate Headquarters**  
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2580 Esters Blvd, Suite 100  
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PH: 214.905.9500  
TF: 800.966.5005

**West Coast Office**  
PH: 714.427.6981

**Southeast Office**  
PH: 214.905.9500



# STANDARD POWDER COAT COLORS



*Pole Color - Ok per 08/16/21  
on approved plans 06/22/21*



**BLACK**  
115618BLK



**COBALT**  
115618CBB



**BLUE**  
115618BLU



**FOREST GREEN**  
115618FRG



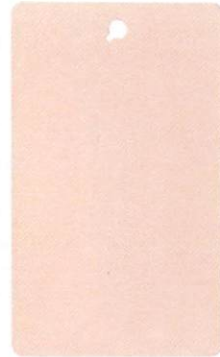
**RED**  
115618RED



**YELLOW**  
115618YLW



**DARK BROWN**  
115618DBW



**LIGHT IVORY**  
115893



**WHITE**  
115618WHT



**TELE-GRAY**  
115892

Powder coating provides maximum adhesion, UV protection and fade resistance. Available in a wide range of colors, this coating has higher surface hardness/scratch resistance than common liquid paints.

Powder coat colors may vary slightly based on the media of which flyer is printed out on or distributed as PDF.



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**Southeast Office**  
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## STAFF REPORT TO THE PARKS AND RECREATION COMMISSION

**DATE:** Regular Meeting of September 16, 2021

**TO:** Parks and Recreation Commission

**SUBMITTED BY:** Vicky Lau, Assistant Engineer

**APPROVED BY:** John Samuelson, Public Works Director/City Engineer

**SUBJECT:** Wild Horse Multi-Family Project Determination of Dedication of Land or Payment of Park-In-Lieu Fees

---

### **RECOMMENDED ACTION**

It is recommended that the Parks and Recreation Commission forward to the Planning Commission a determination that the Wild Horse Multi-Family project is subject to a payment of \$119,700 of park land dedication park-in-lieu fees.

### **BACKGROUND**

The applicant proposes a new residential subdivision known as Wild Horse Multi-Family project, consisting of 126-units of multi-family townhomes on a 11.72-acre parcel (APN: 041-022-003) located north of Wild Horse Road and westerly adjacent to State Route Highway 4 bypass.

The Subdivision Ordinance (Section 9-4.1002) requires the dedication of land for the development of parks or the payment of park-in-lieu fees or both for all new subdivisions creating five or more lots. The Code requires that the Parks and Recreation Commission forward a determination of the needed land dedication or fees to the Planning Commission for consideration with the proposed subdivision map.

The Code includes a formula for determining the required land dedication and the corresponding park-in-lieu fees. The City of Antioch strives to provide 5.0 acres of land for each 1,000 persons. The number of persons per dwelling unit is determined by the code and is shown in the following table along with corresponding land dedication and park-in-lieu fee requirements.

Unit Category	Average Persons/Unit	Land Dedication/Unit	In-Lieu Fees/Unit
Single-Family, Detached	3.0	0.015 acres	\$1,500
Single-Family, Attached	2.2	0.011 acres	\$1,100
Duplexes	1.9	0.0095 acres	\$950
Multi-Family	1.9	0.0095 acres	\$950
Mobile Homes	1.9	0.0095 acres	\$950
Senior Housing	1.5	0.0075 acres	\$750



This project would require a dedication of 2.2743 acres (99,069 square feet) of land. However, Section 9-4.1005(B) states that subdivisions creating 50 dwelling units or more must dedicate land at the option of the City or pay the park-in-lieu fees. The project dedication and payment requirements are described in the following table:

	<b>Persons</b>	<b>Land Dedication</b>	<b>In-lieu Fees</b>
Per Unit	1.9 persons	0.0095 acres	\$ 1,500
Project Total	<b>239.4 persons</b>	<b>1.197 acres</b>	<b>\$119,700</b>

In general when determining whether land should be dedicated, the Parks and Recreation Commission is directed to consider the General Plan; any applicable adopted Specific Plan; the topography, geography, access, and location of land in the subdivision available for dedication; the size and shape of the subdivision and the land available for dedication; the feasibility of dedication; the compatibility of dedication with the General Plan and/or Specific Plan; and the availability of previously acquired park property.

Based on the "Su Property" Vesting Tentative Map dated October 26, 2020, there is only approximately 0.22 acre (9,480 square feet) dedicated as a park, which falls short of the 1.197 acres required. The 0.22-acre park shall be privately-maintained and managed by the Home Owners Association (HOA) formed by this subdivision. Per Section 9-4.10.10(D)(6), this private park does not qualify for any fee credits as it is less than the required minimum of 2 acres. Therefore, Wild Horse Multi-Family project shall be required to pay for the full amount of required park-in-lieu fees.

### **SUMMARY**

Staff recommends that the Parks and Recreation Commission forward to the Planning Commission a determination that the project is subject to a payment of \$119,700 of park-in-lieu fees attached to project conditions of approval.

### **ATTACHMENTS**

- A. Resolution 2021/\*\*
- B. Vicinity Map
- C. Preliminary Park Plan

**ATTACHMENT "A"**

**RESOLUTION NO. 2021/\*\***

**RESOLUTION OF THE CITY PARKS AND RECREATION COMMISSION OF THE CITY OF ANTIOCH RECOMMENDING ACCEPTANCE OF PARK-IN-LIEU FEES TO MEET THE PARK LAND OBLIGATION OF WILD HORSE MULTI-FAMILY PROJECT**

**WHEREAS**, the City of Antioch has received an application for the Wild Horse Multi-Family project, a subdivision that includes 126-units of multi-family townhomes;

**WHEREAS**, the City requires that subdivisions that include residential development shall dedicate land or pay park-in-lieu fees or both;

**WHEREAS**, the Subdivision Ordinance states that subdivisions creating 50 dwelling units or more must dedicate land at the option of the City of Antioch or pay the park-in-lieu fees or both;

**WHEREAS**, the total calculated park land dedication obligation for the Project is 1.197 acres as established by the City of Antioch Municipal Code and the current proposed 0.22-acre park area falls under;

**WHEREAS**, the total calculated park land obligation for the Project is less than the minimum park size as established by the City for purposes of park land dedication; and;

**WHEREAS**, the park-in-lieu fees for the Wild Horse Multi-Family project has been calculated at \$119,700 based on the requirements of the City of Antioch Municipal Code;

**NOW, THEREFORE, BE IT RESOLVED**, that the Park and Recreation Commission does recommend that the Wild Horse Multi-Family project meet its park land dedication requirements through the payment of park-in-lieu fees; and

**BE IT FURTHER RESOLVED** that the Park and Recreation Commission does recommend that park-in-lieu fees in the amount of \$119,700 be paid to the City of Antioch to meet the Project's park land dedication obligation.

**RESOLUTION NO. 2021/XX**

September 16, 2021

Page 2

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\* \* \* \* \*

**I HEREBY CERTIFY** that the foregoing resolution was passed and adopted by the Parks and Recreation Commission of the City of Antioch at a regular meeting thereof held on the 16<sup>th</sup> day of September 2021 by the following vote:

**AYES:**

**NOES:**

**ABSTAINS:**

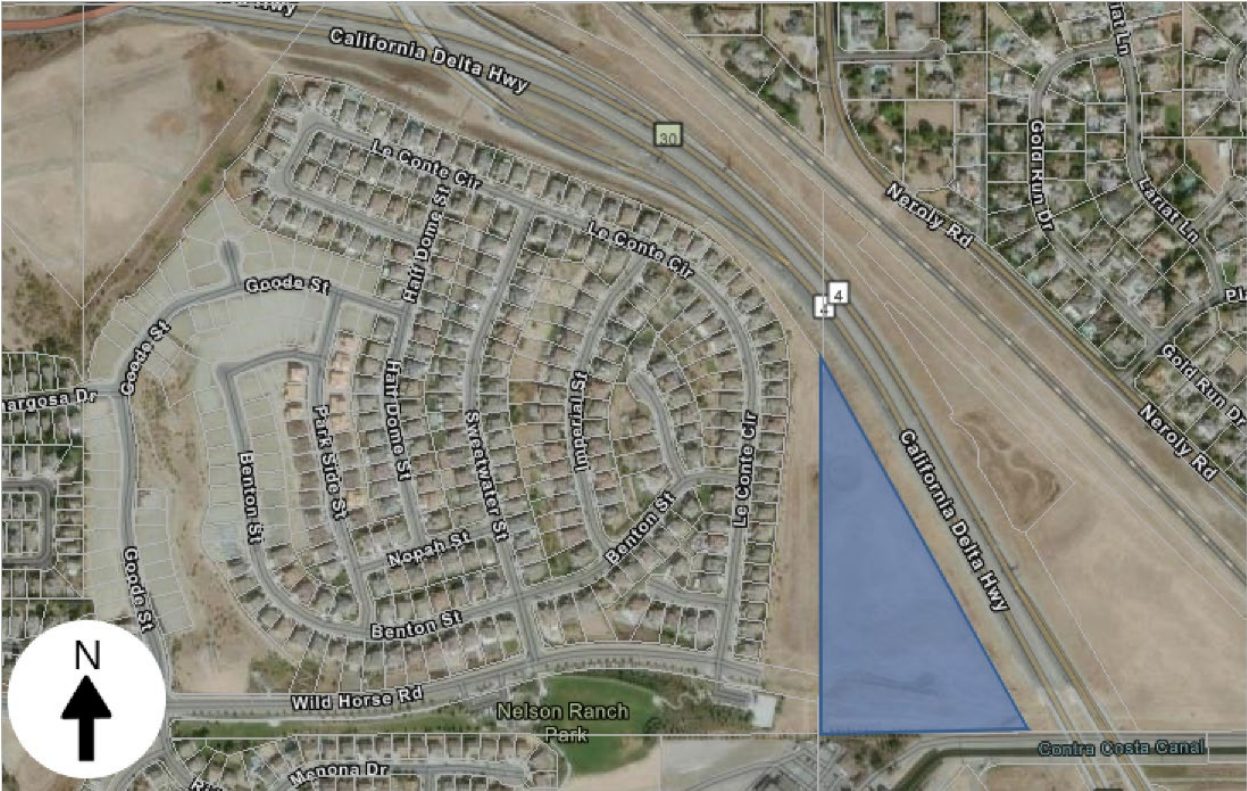
**ABSENT:**

\_\_\_\_\_  
**BRAD HELFENBERGER**  
**CLERK TO THE PARKS AND RECREATION COMMISSION**

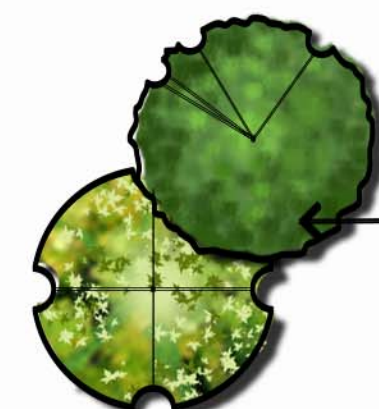


ATTACHMENT 'B'

VICINITY MAP







## Planting Legend

**LARGE TREE (Selection Optional)**  
Magnolia g. 'St. Mary'  
Ulmus parvifolia  
Olea europaea 'Swan Hill'  
Pistacia chinensis

**24" Box**  
ST MARY MAGNOLIA  
CHINESE ELM  
OLIVE  
CHINESE PISTCHE

**WATER USE**  
Moderate  
Low  
Low  
Low



**HILLSIDE GROUND COVER (Selection Optional):**  
Arctostaphylos a. 'Wayside'  
Baccharis p. 'Twin Peaks'  
Cotoneaster d. 'Lowfast'  
Salvia 'Bees Bliss'

**1-Gal**  
WAYSIDE MANZANITA  
DWARF COYOTE BUSH  
BEARBERRY COTONEASTER  
BEE'S BLISS SAGE

**WATER USE**  
Low  
Low  
Low  
Low



**BIOSWALE PLANTS (Selection Optional):**  
Calycanthus occidentalis  
Carex divulca  
Ceanothus 'Anchor Bay'  
Juncea patens  
Muhlenbergia rigens  
Ribes sanguineum  
Vaccinium ovatum

**1-Gal**  
WESTERN SPICEBUSH  
BERKELEY SEDGE  
ANCHOR BAY CEANOTHUS  
CALIFORNIA GRAY SEDGE  
DEER GRASS  
RED-FLOWERING CURRANT  
CALIFORNIA HUCKLEBERRY

**WATER USE**  
Low  
Low  
Low  
Moderate  
Low  
Low  
Moderate

### Notes

- All landscape and irrigation shall conform to the standards of the City wide landscape regulations and guidelines and all other Landscape related City and Regional MWEL standards.
- All plant materials have been selected from the following:
  - WULCOS Project "Water-Use Classification of Landscape Species"
  - California Department of Water Resources

**SMALL TREE (Selection Optional)**  
Arbutus 'Marina'  
Cercis canadensis  
Prunus caroliniana  
Lagerstroemia x.f.

**24" Box**  
N.C.N.  
EASTERN REDBUD  
CAROLINA CHERRY LAUREL  
GRAPE MYRTLE

**WATER USE**  
Low  
Low  
Low  
Low



**SHRUB AND GROUND COVER AREAS (Selection Optional)**

**LARGE SHRUB (Selection Optional):**  
Ceanothus concha  
Lavatera assurgentiflora  
Juniperus s. 'Skyrocket'

**15-Gal & 5-Gal**  
CALIFORNIA WILD LILAC  
TREE MALLOW  
SKYROCKET JUNIPER

**WATER USE**  
Low  
Low  
Low

**MEDIUM SHRUB (Selection Optional):**  
Berberis spp.  
Buxus spp.  
Callistemon 'Little John'  
Coleonema spp.  
Correa spp.  
Dielsia vegeta  
Lavandula spp.  
Nandina spp.  
Phormium spp.  
Pittosporum spp.  
Raphiolepis u. 'Minor'  
Rosa californica  
Teucrium fruticans

**5-Gal**  
BARBERRY  
BOXWOOD  
NCN  
BREATH OF HEAVEN  
AUSTRALIAN FUCHSIA  
FORTNIGHT LILY  
LAVENDER  
HEAVENLY BAMBOO  
NEW ZEALAND FLAX  
PITTOSPORUM  
YEDDO HAWTHORN  
CALIFORNIA WILD ROSE  
BUSH GERMANDER

**WATER USE**  
Moderate  
Moderate  
Low  
Low  
Low  
Low  
Low  
Low  
Moderate  
Low  
Low  
Low

**GRASSES/SUB SHRUB (Selection Optional):**  
Heliotrichon sempervirens  
Lavandula a. 'Munstead'  
Muhlenbergia capillaris 'Irvine'  
Teucrium chamaedrys

**1-Gal**  
BLUE OAT GRASS  
MUNSTEAD LAVENDER  
PINK MUHLY GRASS  
GERMANDER

**WATER USE**  
Low  
Low  
Low  
Low

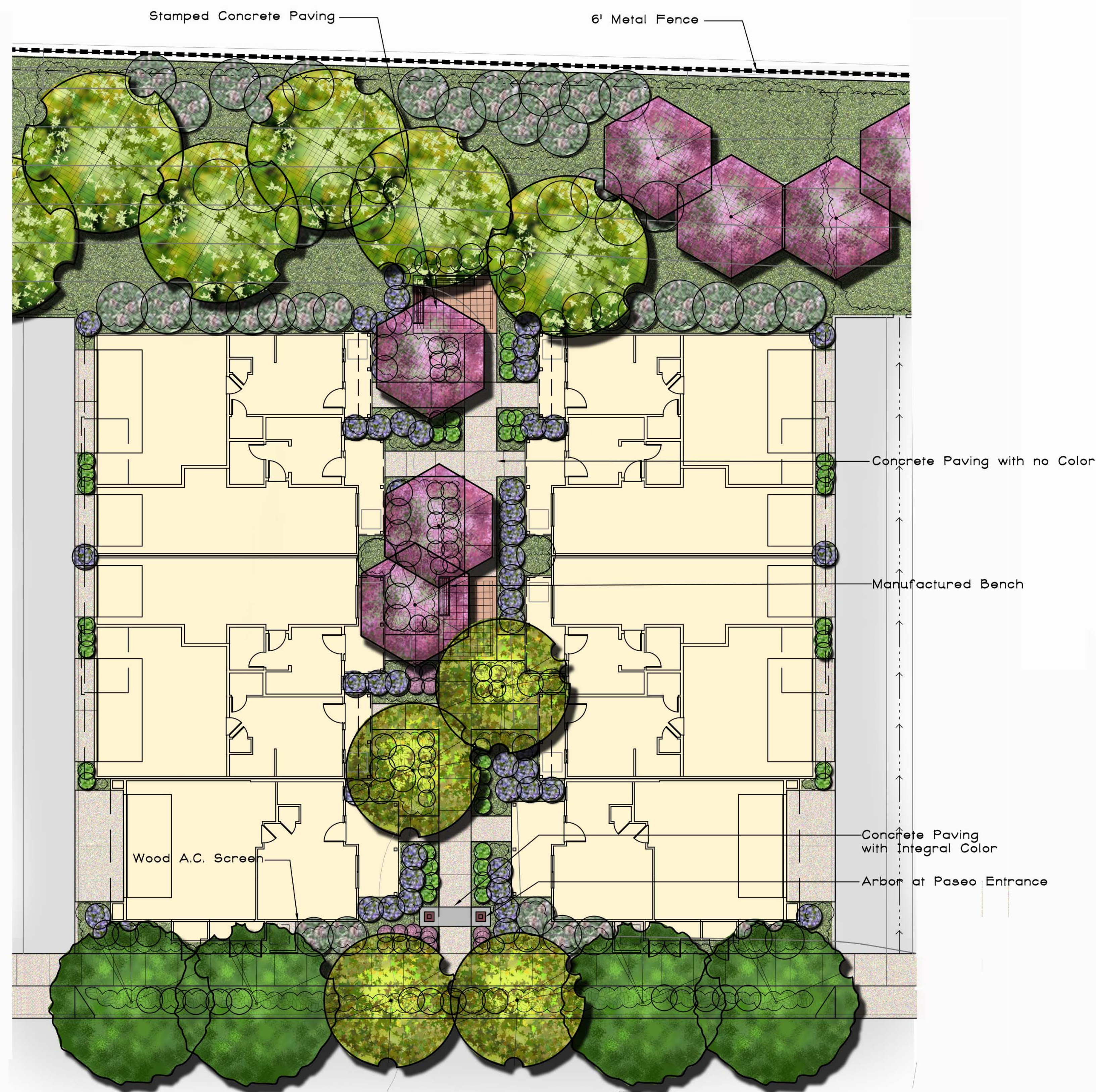
**PASO & PARK GROUND COVERS (Selection Optional):**  
Erigeron karvinkianus  
Scaevola 'Mauve Clusters'  
Phyla n.l. 'Kurapia'

**1-Gal**  
MEXICAN DAISY  
FAN FLOWER  
KURAPIA SOD

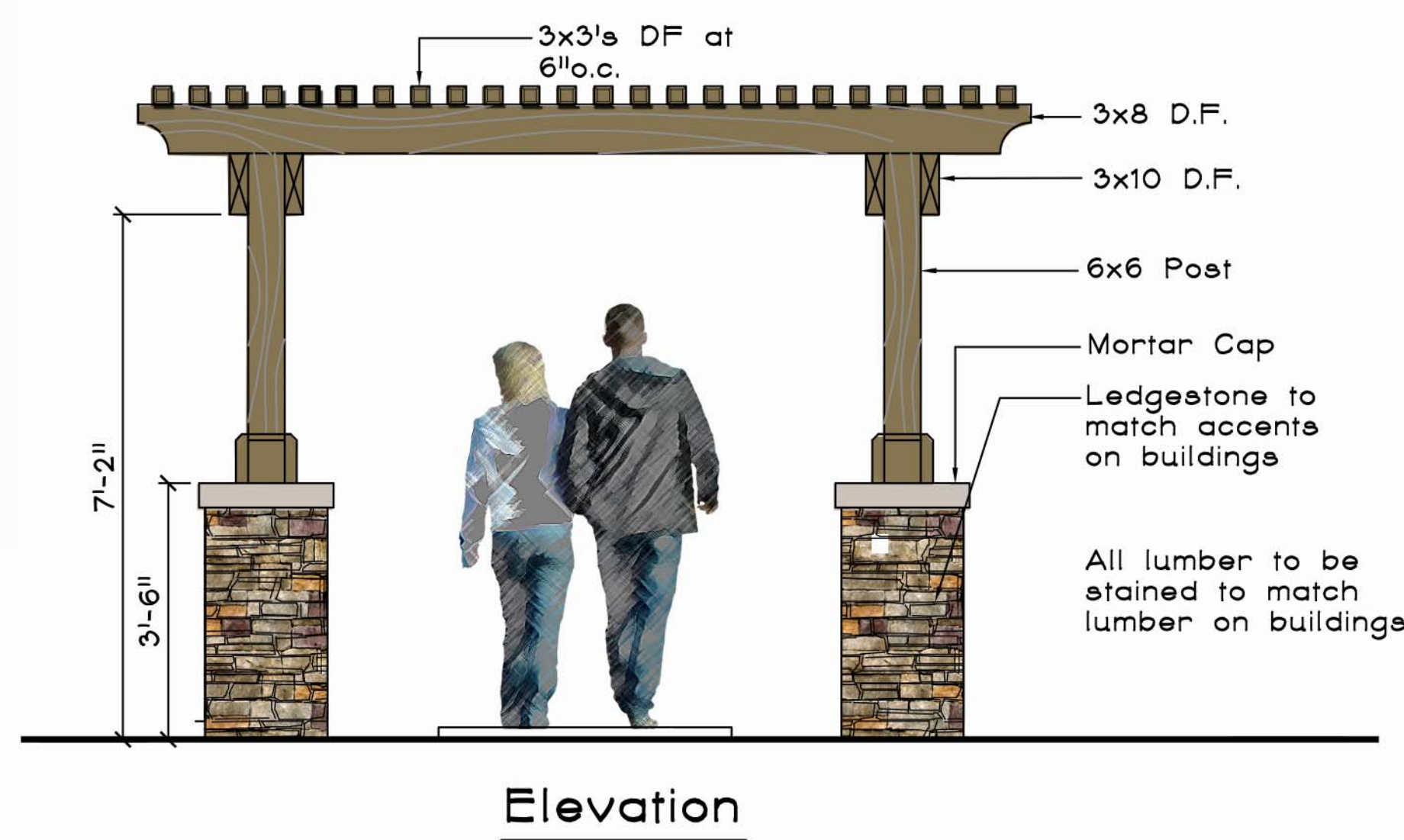
**WATER USE**  
Low  
Low  
Low





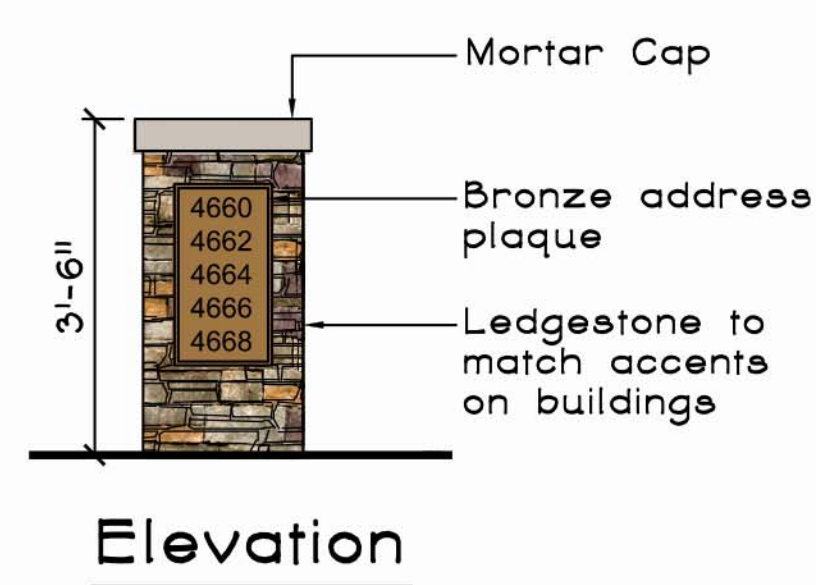


□ □ □ **Paseo Enlargement**  
Scale: 1"=10'-0"



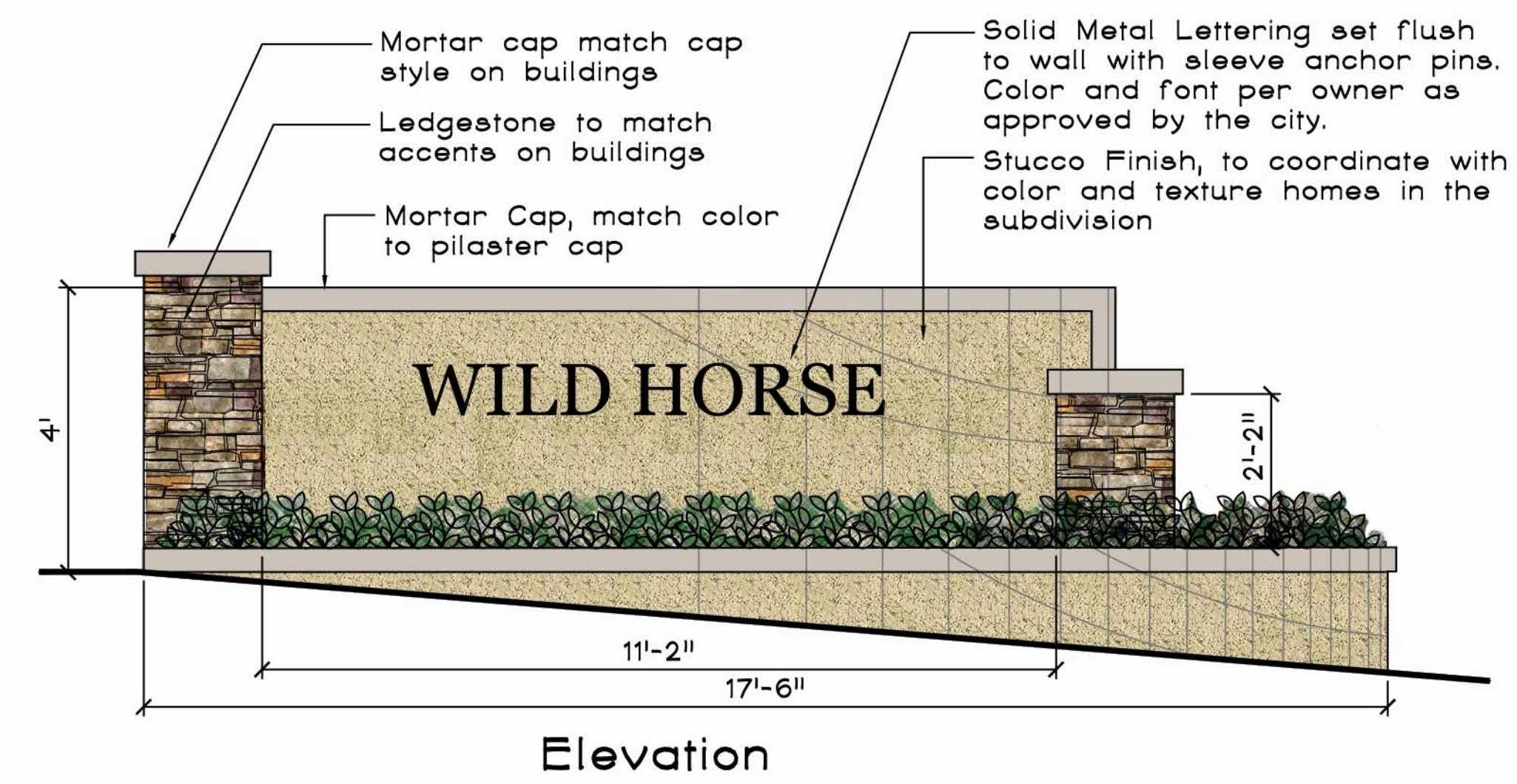
**Elevation**

□ □ □ **Paseo Entry Arbor**  
Scale: 1/2"=1'-0"



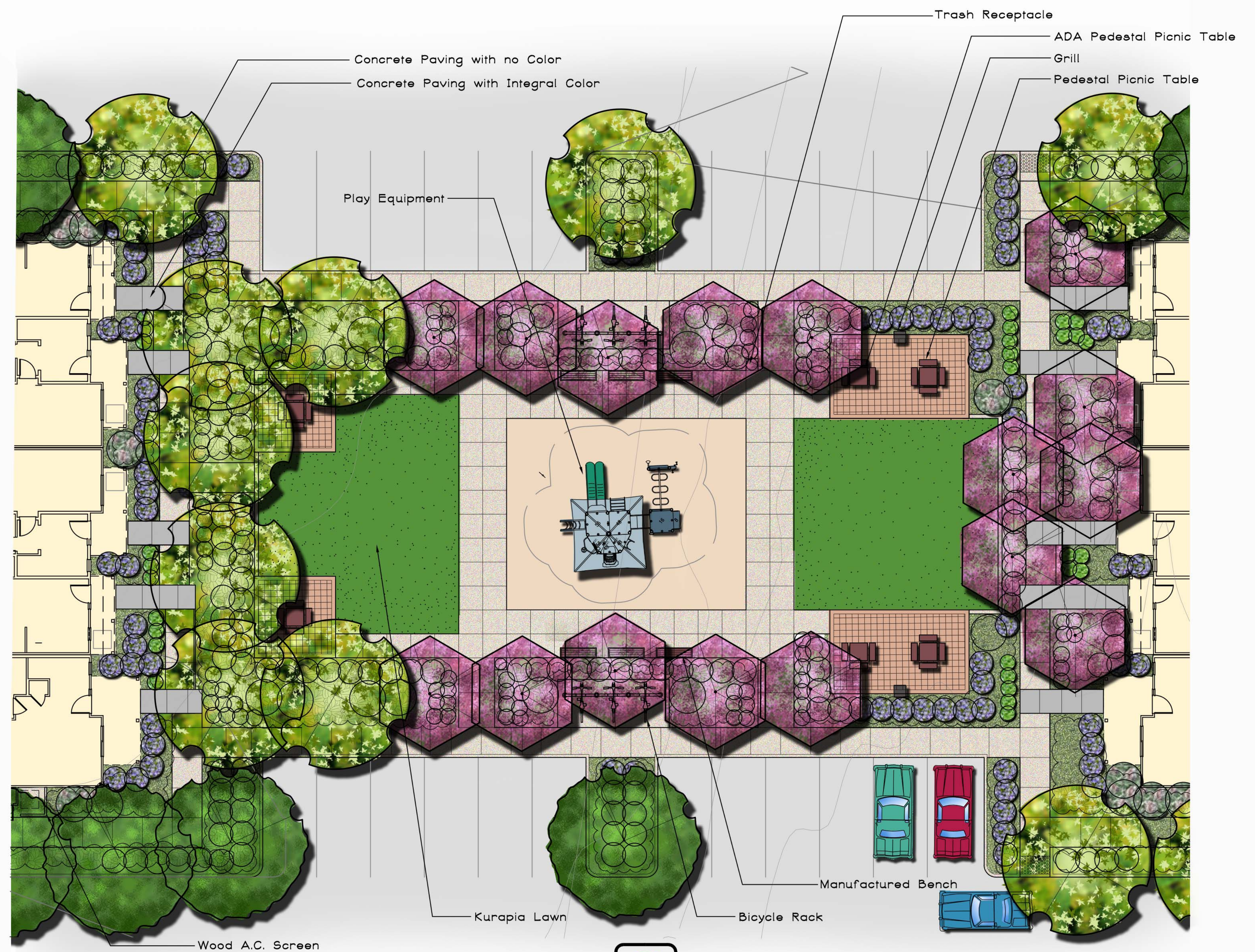
**Elevation**

□ □ □ **Address Monument**  
Scale: 1/2"=1'-0"



**Elevation**

□ □ □ **Entry Monument**  
Scale: 1/2"=1'-0"



□ □ □ **2-5 Year Old Play Area Enlargement**  
Scale: 1"=10'-0"





Play Structure



Bench



Bike Rack



BBQ



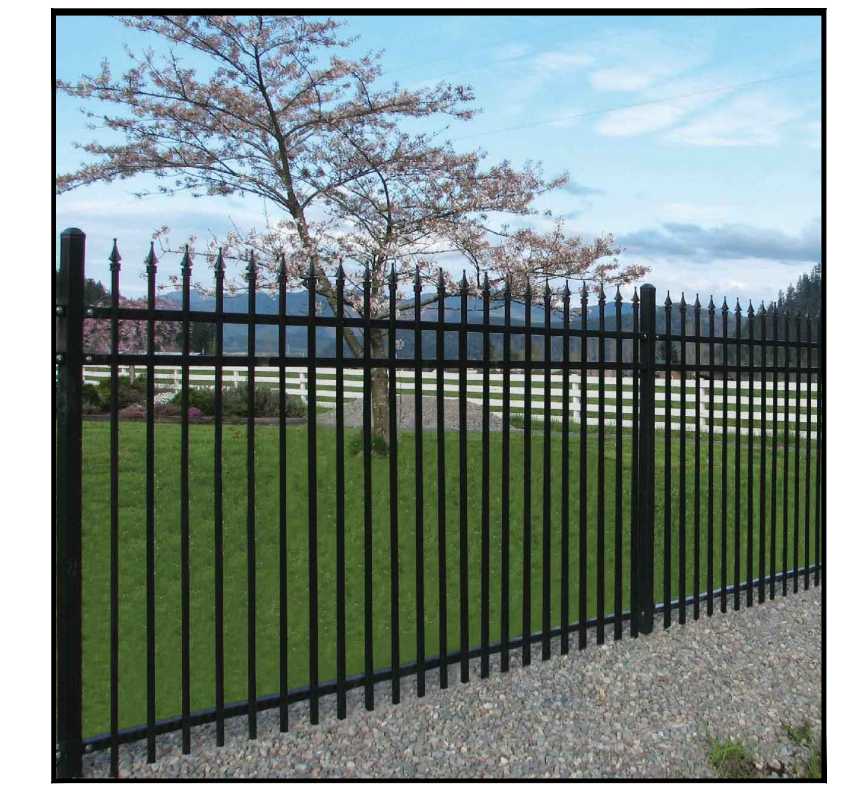
Picnic Table



Trash Receptacle



Cluster Mailbox



6' Metal Fence



Arbutus Marina



Cercis candensis



Lagerstroemia xf 'Muskogee'



Olea e. 'Swan Hill'



Pistacia chinensis



Prunus caroliniana



Ulmus parvifolia



Berberis t. 'Atropurpurea'



Buxus 'Winter Gem'



Callistemon 'Little John'



Ceanothus 'Concha'



Correa 'Dusky Bells'



Diets bicolor



Juniperus 'Skyrocket'



Lavandula a 'Blue Cushion'



Lavatera Marina



Nandina Domestica



Phormium 'Bronze Baby'



Ribes sanguineum



Teucrium chamaedrys



Teucrium fruticans



Teucrium chamaedrys



Helictotrichon sempervirens



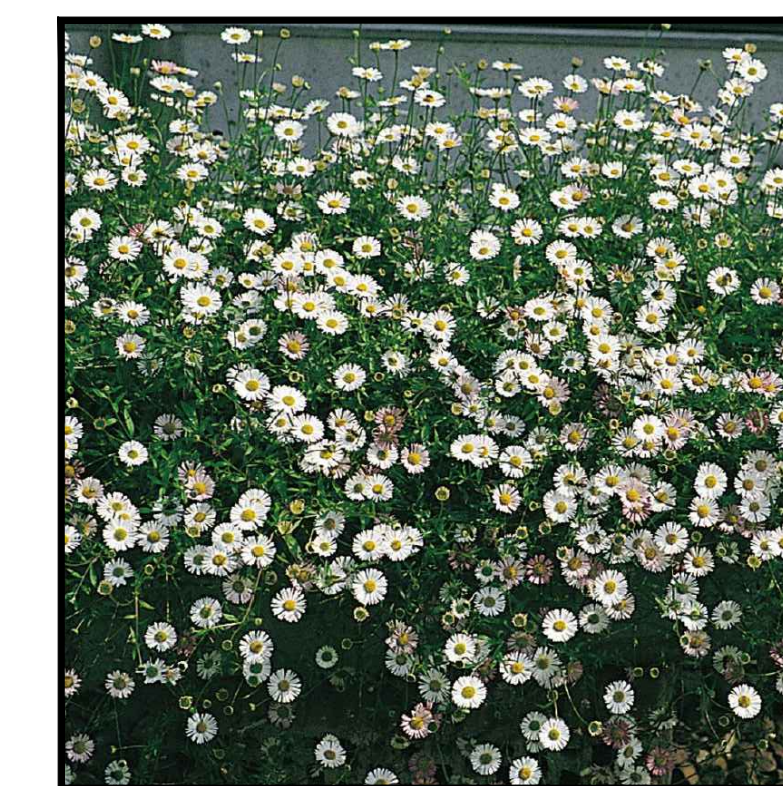
Phyla n.l. 'Kurapia'



Arctostaphylos h. 'Wayside'



Baccharis p. 'Twin Peaks'



Erigeron karvinskianus