

1. Agenda

Documents:

[MAY MEETING AGENDA.PDF](#)

1.I. Zoom Meeting Information

Documents:

[PRC MAY ZOOM.TXT](#)

2. March Draft Minutes

Documents:

[MARCH PRC DRAFT MEETING MINUTES.PDF](#)

3. PRC Priority Projects-2018

Documents:

[PARK NEEDS ASSESSMENT SUMMER 2018 - UPDATED MAY 2020.PDF](#)

3.I. Parks Capital Needs 2019 - Staff

Documents:

[2019-20 PARKS ASSESSMENT CAPITAL PROJECTS LIST.PDF](#)

4. Candy Cane Playground Bid Summaries

Documents:

[WRITEUP BIDS-SM.PDF](#)

4.I. Candy Cane Bid Tab

Documents:

[CANDYCANE BID TAB.PDF](#)

4.II. Bid Package - PlayEnvironments

Documents:

[6 OPTION 2 DRAWINGS.PDF](#)
[1 BID BOND- REDACTED.PDF](#)
[2 OPTION 1 PROPOSAL FORM.PDF](#)
[3 OPTION 2 PROPOSAL FORM.PDF](#)
[4 SIGNATURE PAGE- REDACTED.PDF](#)
[5 OPTION 1A DRAWINGS.PDF](#)
[7 PROJECT REFERENCES.PDF](#)
[8 EQUIPMENT SPECIFICATIONS.PDF](#)
[9 OTHER.PDF](#)

10 INSURANCE CERT..PDF
OPTION 1A POSTER 3.JPEG
OPTION 1A POSTER 4.JPEG
OPTION 1A POSTER.PNG
OPTION 2 POSTER 1.JPEG
OPTION 2 POSTER 2.JPEG
OPTION 2 POSTER 3.JPEG
OPTION 2 POSTER 4.JPEG
OPTION 2..PNG
OPTION 1A POSTER 1.JPEG
OPTION 1A POSTER 2.JPEG

4.III. Bid Package - Penchura

Documents:

PENCHURA DIGITAL BID-REDACTED.PDF

4.IV. Bid Package - Great Lakes Recreation

Documents:

YPISIANTI_CANDY_CANE_CC2.JPG
YPISIANTI_CANDY_CANE_CC3.JPG
YPISIANTI_CANDY_CANE_CC4.JPG
YPISIANTI_CANDY_CANE_CC5.JPG
YPISIANTI_CANDY_CANE_TOP VIEW.JPG
GLR-BID PACK-REDACTED.PDF
GLR-QUOTE-REDACTED.PDF
YPISIANTI CANDY CANE-2.PNG
YPISIANTI_CANDY_CANE_CC1.JPG

4.V. Bid Package - PlayPower

Documents:

RFP_CITY OF YPSILANTI_CANDYCANEPLAYGROUND_SIGNED-3-19-2020-
REDACTED.PDF
BID BOND_SIGNED_REDACTED.PDF

4.VI. Bid Package - Sinclair

Documents:

2019 - MICHIGAN PROJECT LISTS - YPSILANTI.PDF
YPSILANTI - CANDY CANE 2020 2D MODEL (1).PDF
YPSILANTI CANDY CANE PARK 2020 RENDERING.PDF
YPSILANTI - CANDY CANE PLAYGROUND BID-REDACTED.PDF



City of Ypsilanti

Parks & Recreation Commission

Parks & Recreation

NOTICE OF MEETING

Date: May 12, 2020

Time: 7:00 p.m.

Location: Ypsilanti Senior Center, 1015 N. Congress St Ypsilanti MI, 48197

AGENDA

1. Call To Order
2. Roll Call

Commissioner Connor-Barrie	P __, A __.	Commissioner Marshall	P __, A __.
Commissioner Collins	P __, A __.	Commissioner Sweet	P __, A __.
Commissioner Thorburn	P __, A __.	Commissioner Allen	P __, A __.
Commissioner Kohlmann	P __, A __.	Commissioner Navarre	P __, A __.
3. Approval of Agenda
4. Approval of the Minutes – March 3, 2020
5. Introductions / Public Comment & Presentations –
6. Old Business
7. Friends Group Updates
 - i. Rutherford Pool
 - ii. Senior Center
8. City of Ypsilanti Updates
9. New Business
 - a. Candy Cane Park Playground RFP
 - b. Park Project Funding (FY 2019-2020)
 - c. COVID-19 Plan
 - d. Virtual Programming
10. Other Business
11. Commissioner Comments / Announcements
12. Adjournment

May 12, 2020 Parks and Recreation Regular Meeting Virtual Access Link

<https://us02web.zoom.us/j/87982511063>

When prompted, enter Meeting ID: 879 8251 1063

May 12, 2020 Parks and Recreation Regular Meeting Toll Free Phone Number Access

888 475 4499 US Toll-free

877 853 5257 US Toll-free

-When prompted, enter the Meeting ID: 879 8251 1063, followed by the #, press # again to be connected



Parks & Recreation

City of Ypsilanti

Parks & Recreation Commission

Meeting Minutes

Date: March 3, 2020

Time: 7:00pm.

Location: Ypsilanti Senior Center, 1015 N. Congress St. Ypsilanti, MI. 48197

1. **Call to Order** Commissioner Sweet called the meeting to order at 7:08pm
2. **Roll Call** Introductions of Commissioners present were, Evan Sweet, Cathy Thorburn, Ben Connor-Barrie, Julia Collins, Kurt Kohlmann and Amanda Marshall. Commissioner Navarre notified Sweet of absence. Commissioner Allen was absent. DPW Director Ron Aker was present to represent the City.
3. **Approval of Agenda-** Agenda moved by Commissioner Marshall and seconded by Commissioner Conner-Barrie to approve the agenda. Passed.
4. **Approval of the Minutes** –February 11, 2020 minutes. Commissioner Conner-Barrie and Commissioner Marshall seconded approval. Passed
5. **Introduction/Public Comment & Presentations** Commissioners introduced themselves to Ron Aker.
6. **Old Business**
 - a. **Adopt A Park Updates** Conner-Barrie stated provided Commissioners with a google doc to look over. He has reduced the pages. Hopes to have the ability to fill it out online and then to have it sent out to several emails including the DPW.
7. **Friends Group Updates**
 - i. **Rutherford Pool**-work is continuing on time. Planning for the season has already started. Board meeting tomorrow. Video on Facebook page of the update.
 - ii. **Senior Center**- Generations United is an intergenerational organization that is working with the Center has continued programming. The Center is looking for new ways to fundraise, seeking donations and scholarships.
8. **City of Ypsilanti Updates** Mr. Akers informed the Commissioners that tree removal will begin in Frog Island this Spring. A RFP has been issued to replace the Candy Cane Park playground equipment. The playland may be moved closer to Roosevelt Street. More discussion needs to be conducted before the decision is made. City will take over the Freighthouse on April 1st.

9. Commission Committee Updates:

- a. Commissioner Sweet reported on Fall River Day. Huron River Watershed is still interested in co-hosting with the Commission. September 20th or 27th has been proposed. There is around \$1,000 left in the bank. Around \$2,500 total to run the event.

10. Other Old Business- None

11. New Business-

- a. **Frog Island Light Pole Resolution** DTE has standard lights that can be put up in the park. If we choose one of the standard lights it can be replaced quickly by DTE if there is an accident to one. Commissioners agreed on the Fluted design. Commissioner Sweet read the Resolution, Commissioner Conner-Barrie moved for acceptance, Commissioner Marshall seconded. Passed.

12. Other Business-

- a. Meeting with Ypsilanti Township Recreation. Commissioner Sweet has met with some of the Township Commissioners. There has been a lot of turnover in their staff and they are looking at making some changes and possibly collaborating with the City more.

13. Commissioner Comments/Announcements Next meeting is April 14th. Back to the second Tuesday.

14. Adjournment Commissioner Connor-Barrie moved for adjournment at 8:02 pm and Commissioner Collins seconded. Passed

Next Meeting: April 14, 2020 at Senior Center 7pm

City of Ypsilanti Parks & Recreation Commission

Park Priority Projects/Needs

Parkridge Park:

Safety & Usability Concerns

- Replace door on storage closet on park pavilion
- Resurface playground area, including excavating current playground surface, and laying new weed barrier and play surfacing
- Replace/repair broken picnic tables
- Replace/repair guardrail in parking lot near Perry School
- Functional gates on both ends of park to prevent unauthorized vehicles from entering the park
- Repair/restore water fountain
- Repair tennis courts, including cracks, and court surfacing
- Replace/repair broken and outdated grills

Other Concerns:

- Fence line along residents' homes (Harriet St) overgrown, trim back
- Additional trash cans

Recreation Park:

Safety & Usability Concerns

- Resurface playground surface area around swings
- Replace/repair broken picnic tables
- Repair fence that is leaning/falling on baseball diamond
- Resurface parking lot adjacent to Senior Center
- Remove curbing from basketball courts and fill cracks
- Widen and asphalt pave current walking path
- Add path or sidewalk on south side of park.

Other Concerns:

- Remove old shuffleboard area
- Additional trash cans
- Paint basketball court lines

Edith Hefly Tot Lot

Safety & Usability Concerns:

- Add additional playground surfacing under play equipment
- Add bench and picnic table.

Other Concerns:

- Add additional play equipment

Candy Cane Park:

Safety & Usability Concerns:

- Replace old wooden bleachers with new boards
- Address crack in wall on restroom/pavilion facility or determine usability and remove restroom/storage area to make open air pavilion.
- Replace/repair broken picnic tables
- Replace/repair broken benches
- Resurface playground area, including excavating current playground surface, and laying new weed barrier and play surfacing
- Seal cracks in tennis court surface
- Replace broken and outdated grills
- Add accessible pathway from Roosevelt St sidewalk to pavilion
- Add park sign on Collegewood St entrance to match existing park system signage

Other Concerns:

- Cut back and trim overgrown fence line along border of park

Peninsular Park

Safety & Usability Concerns:

- Replace/repair stairs leading to Huron River
- Repair concrete on walkway near Huron River
- Address graffiti on old Peninsular Paper building, perhaps by commissioning a mural project
- Add accessible pedestrian pathway into the park from Leforge Rd
- Replace/repair broken picnic tables

- Clear brush that is encroaching on walkways to Huron River, and brush in open areas of the park to help improve sightlines

Prospect Park:

Safety & Usability Concerns:

- Replace or remove broken glass block windows on pavilion
- Repair fencing surrounding tennis court/skatepark
- Resurface tennis court/skatepark
- Repair/replace broken grills
- Repair/replace broken picnic tables
- Seal cracks in basketball courts
- Replace/repair broken benches
- Repair broken bleachers
- Restore or remove baseball diamond, and add safety fencing
- Add park signs (2) to match existing park system signage
- Add sidewalk on Oak Street
- Regrade parking lot on Cross St

Other Concerns:

- Additional trash cans
- Repaint pavilions

Charles Street Tot Lot:

Safety & Usability Concerns:

- Replace sand pit with pea gravel
- Repaint picnic tables, and add additional picnic tables
- Replace/repair fencing at the back of the park
- Resurface playground area, including excavating current playground surface, and laying new weed barrier and play surfacing
- Replace/repair broken bench

Other Concerns:

- Add trash can

Frog Island Park

Safety & Usability Concerns:

- Community Garden:
 - o Work with Community Garden group to address issues such as trash, stairs, fencing and overall maintenance and upkeep of the garden
- Add accessible entrance from Forest Ave. Trailhead to the park (&B2B) in/from the parking lot.
- Replace/repair broken soccer goal
- Replace/repair broken bleachers

Other Concerns:

- Paint storage building

Riverside Park:

Safety & Usability Concerns:

- Add bike rack next to Michigan Ave Heritage bridge for those using that to enter park on foot.
- Develop stormwater plan for the park. Need engineering study
- Address eroding asphalt path throughout park, and especially near the Huron River. Link path to pavilion.
- Add Riverside Park sign near Michigan Ave Heritage bridge and near Riverside Arts Center to match current park system signage
- Replace/repair picnic tables
- Replace unsafe wood/boards in Gazebo

Other Items:

- Add additional trash cans, and pet clean up/pick up stations

Waterworks Park:

Safety & Usability Concerns:

- Remove baseball diamond fence
- Regrade gravel parking lot
- Address loose boards on footbridge
- Add larger wire or chain in parking lot to prevent unauthorized vehicles from entering the park
- Add sidewalk along Catherine St to connect to Spring St to the south and (across the street) Catherine to the north. (improves access and accessibility).

Other Concerns:

- Replace pavilion wood in needed areas
- Additional trash cans

Carrie Mattingly Tot Lot

Safety & Usability Concerns:

- Add signage near street entrances (E. Ainsworth St, and Middle Dr) to indicate public park entrance
- Replace sign in park to match signage in park system
- Add picnic tables
- Resurface playground area, including laying new weed barrier and play surfacing
- Survey lots to determine city property/right-of-way for park entrances

Other Concerns:

- Add trash can
- Add edging around play area
- Trim overgrown brush from fence lines

2019-20 Park Assessment Capital Project List

Park	Project	Prioritization	Estimated Cost
Penninsular	Fixing or Replacing Stairs	2 - Risk Avoidance	
Penninsular	Retaining Wall Repairs near Steps	2 - Risk Avoidance	
Penninsular	Retaining Wall Repairs near Kayak Launch	2 - Risk Avoidance	
Penninsular	Retaining Wall Repairs	2 - Risk Avoidance	
Penninsular	Anti Climb Fence Between West Papermill Wall and River	2 - Risk Avoidance	
Penninsular	Board or Fencing Papermill Windows	2 - Risk Avoidance	
Prospect	Fix Pavillion Roof	2 - Risk Avoidance	
Prospect	Fix Lights Under Pavillion	2 - Risk Avoidance	
Prospect	Fix or Cover Broken Windows on Pavillion	2 - Risk Avoidance	
Prospect	Crack sealing on pathway around park	2 - Risk Avoidance	
Prospect	Fix brick pavers near cannon	2 - Risk Avoidance	
Prospect	Remove inactive plumbing fixture near parking lot	2 - Risk Avoidance	
Prospect	Playground equipment recoating	2 - Risk Avoidance	
Prospect	Replace or fix tables near playground	2 - Risk Avoidance	
Prospect	Tree trimming and removal	2 - Risk Avoidance	
Prospect	Remove basement under small building.	2 - Risk Avoidance	
Charles Street Tot Lot	Remove A & B, Replace with something that meets safety requirements	2 - Risk Avoidance	
Charles Street Tot Lot	Remove Spring horse and replace with something that meets safety requirements	2 - Risk Avoidance	
Charles Street Tot Lot	Replace excavator, fill box with pea gravel	2 - Risk Avoidance	
Charles Street Tot Lot	Remove garden bed	2 - Risk Avoidance	
Charles Street Tot Lot	Sidewalk panel replacement	2 - Risk Avoidance	
Edith Hefley Tot Lot	Replace excavator & border	2 - Risk Avoidance	
Carrie Mattingley Tot Lot	Fix fall surface	2 - Risk Avoidance	
Recreation Park	Tree trimming and removal	2 - Risk Avoidance	
Recreation Park	Basketball Court replace or seal	2 - Risk Avoidance	
Recreation Park	Stairs behind backstop, fix for safety.	2 - Risk Avoidance	
Spanish War Memorial	Sidewalk repair	2 - Risk Avoidance	
Candy Cane Park	Tree trimming and removal	2 - Risk Avoidance	
Candy Cane Park	New border around playground	2 - Risk Avoidance	
Candy Cane Park	Look at options to fix slide	2 - Risk Avoidance	
Candy Cane Park	Have building department check bath house for structural safety	2 - Risk Avoidance	
Candy Cane Park	Replace fall surface on playground	2 - Risk Avoidance	
Parkridge	Look at fix for electrical pit near baseball diamond.	2 - Risk Avoidance	
Parkridge	Repair gate at ball diamond	2 - Risk Avoidance	
Parkridge	Repair light fixtures at Pavillion	2 - Risk Avoidance	
Parkridge	Repair chimney at Pavillion	2 - Risk Avoidance	
Parkridge	Provide concrete slab repairs at Pavillion	2 - Risk Avoidance	
Parkridge	Paint brick where there is graffiti	2 - Risk Avoidance	
Parkridge	Install outlet covers	2 - Risk Avoidance	
Parkridge	Cover holes in pavillion wall	2 - Risk Avoidance	
Parkridge	Seal and repaint tennis and basketball courts	2 - Risk Avoidance	
Parkridge	Repair fence	2 - Risk Avoidance	
Waterworks	Replace/Fix bollards in parking lot	2 - Risk Avoidance	
Waterworks	New roof on pavillion	2 - Risk Avoidance	
Waterworks	Replace fascia boards on pavillion	2 - Risk Avoidance	
Penninsular	Kayak Launch Concrete Repairs	3 - Strategic	
Penninsular	Invasive Species Removal	3 - Strategic	
Penninsular	Redeck Dock	3 - Strategic	
Prospect	Install Sidewalks along Oak St.	3 - Strategic	
Prospect	Tree Succession Planning	3 - Strategic	
Prospect	Sand an paint pavillion near playground (look at potential for replacement)	3 - Strategic	
Prospect	Provide ADA access to parking lot	3 - Strategic	
Prospect	Install locator sign for Prospect Park	3 - Strategic	
Prospect	Pathway between pathway and parking lot	3 - Strategic	
Charles Street Tot Lot	Add trash can	3 - Strategic	
Edith Hefley Tot Lot	New Garbage Can	3 - Strategic	
Edith Hefley Tot Lot	Fix post peace sign	3 - Strategic	
Carrie Mattingley Tot Lot	New sign	3 - Strategic	
Carrie Mattingley Tot Lot	LED light replacement	3 - Strategic	
Recreation Park	Remove or repair lights around ball park	3 - Strategic	
Recreation Park	Repair or replace fences in park	3 - Strategic	
Recreation Park	Pathway repairs, paving or installation for loop	3 - Strategic	
Recreation Park	ADA Ramp to Woods St.	3 - Strategic	
Recreation Park	Trash Can replacement	3 - Strategic	
Recreation Park	Remove Grills	3 - Strategic	
Spanish War Memorial	Signage for Park	3 - Strategic	
Candy Cane Park	Provide ADA accessible pathways to playground	3 - Strategic	
Candy Cane Park	Rehab Tennis Courts	3 - Strategic	
Parkridge	Add handicap access to park.	3 - Strategic	
Parkridge	Replace Trash cans	3 - Strategic	
Parkridge	Add sand to horseshoes	3 - Strategic	

2019-20 Park Assessment Capital Project List

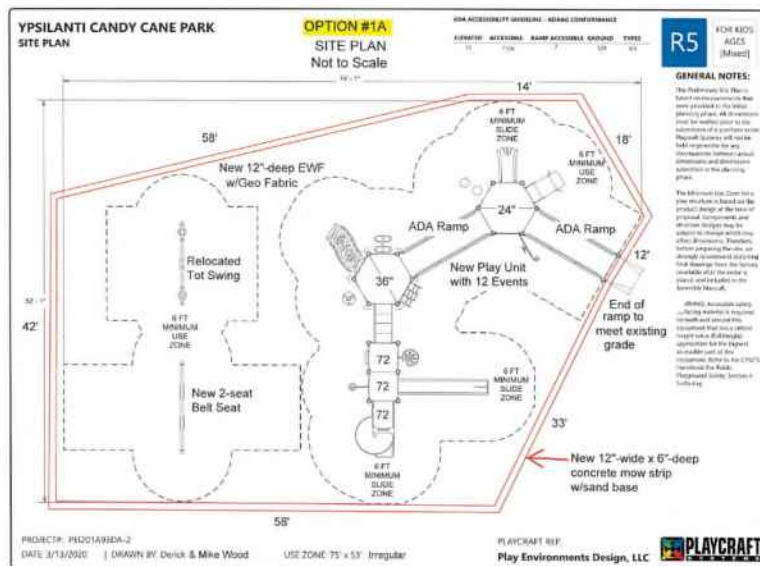
Park	Project	Prioritization	Estimated Cost
Parkridge	CDBG Funding for new playground	3 - Strategic	
Parkridge	Provide repairs to path around park	3 - Strategic	
Waterworks	Baseball backstop removal	3 - Strategic	
Waterworks	Re-Paint metal on pavillion	3 - Strategic	
Waterworks	Add trash cans to park	3 - Strategic	
Waterworks	Add signage for disc golf course	3 - Strategic	
Waterworks	Brushhog and tree removal for disc golf course	3 - Strategic	
Waterworks	Repair and add asphalt pathway where necessary	3 - Strategic	
Penninsular	Remove Pumps	4 - Added Value	
Penninsular	Walking Trail Through Park	4 - Added Value	
Penninsular	Playground Installation	4 - Added Value	
Prospect	Demo Small Building	4 - Added Value	
Prospect	Identify Plan for Baseball Field Area	4 - Added Value	
Prospect	Park bench replacement plan	4 - Added Value	
Prospect	Pave parking lot.	4 - Added Value	
Prospect	Grade ball field	4 - Added Value	
Carrie Mattingley Tot Lot	Look at potential for relocation	4 - Added Value	
Spanish War Memorial	Trash Can	4 - Added Value	
Spanish War Memorial	Install a bench	4 - Added Value	
Spanish War Memorial	Restore Fence with Dominos	4 - Added Value	
Candy Cane Park	Reach out to the Litte League to discuss ballpark improvements	4 - Added Value	
Candy Cane Park	Upgrade scoreboard to LED.	4 - Added Value	
Parkridge	Remove sand volleyball pit	4 - Added Value	
Parkridge	Potential rain garden on west side of tennis courts.	4 - Added Value	

Holland, Michigan

Option 1A: \$74,995

- Uphill location, will move tot swing closer
- Designed age range: 2-12
- Timeline: 6-8 weeks
- Warranty: 1/3/5/10/15/25/lifetime warranty (see full bid)
- play equipment: \$44,500
 - o 12 events, 11 of which elevated

Elevated	Accessible	Ramp Accessible	Ground	Types
11	11/6	7	1/0	1/3



YPSILANTI CANDY CANE PARK
SW VIEW

OPTION #1A

R5

FOR KIDS
AGES
2-12



STRUCTURE#: R5081F79A

PROJECT#: PEI201A93DA-2

DATE: 3/13/2020 | DRAWN BY: Derick

YPSILANTI CANDY CANE PARK
NE VIEW

OPTION #1A

R5

FOR KIDS
AGES
2-12



STRUCTURE#: R5081F79A

PROJECT#: PEI201A93DA-2

DATE: 3/13/2020 | DRAWN BY: Derick



YPSILANTI CANDY CANE PARK SITE PLAN

OPTION #1A SITE PLAN Not to Scale

ADA ACCESSIBILITY GUIDELINE - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
11	11/6	7	5/0	3/3

R5

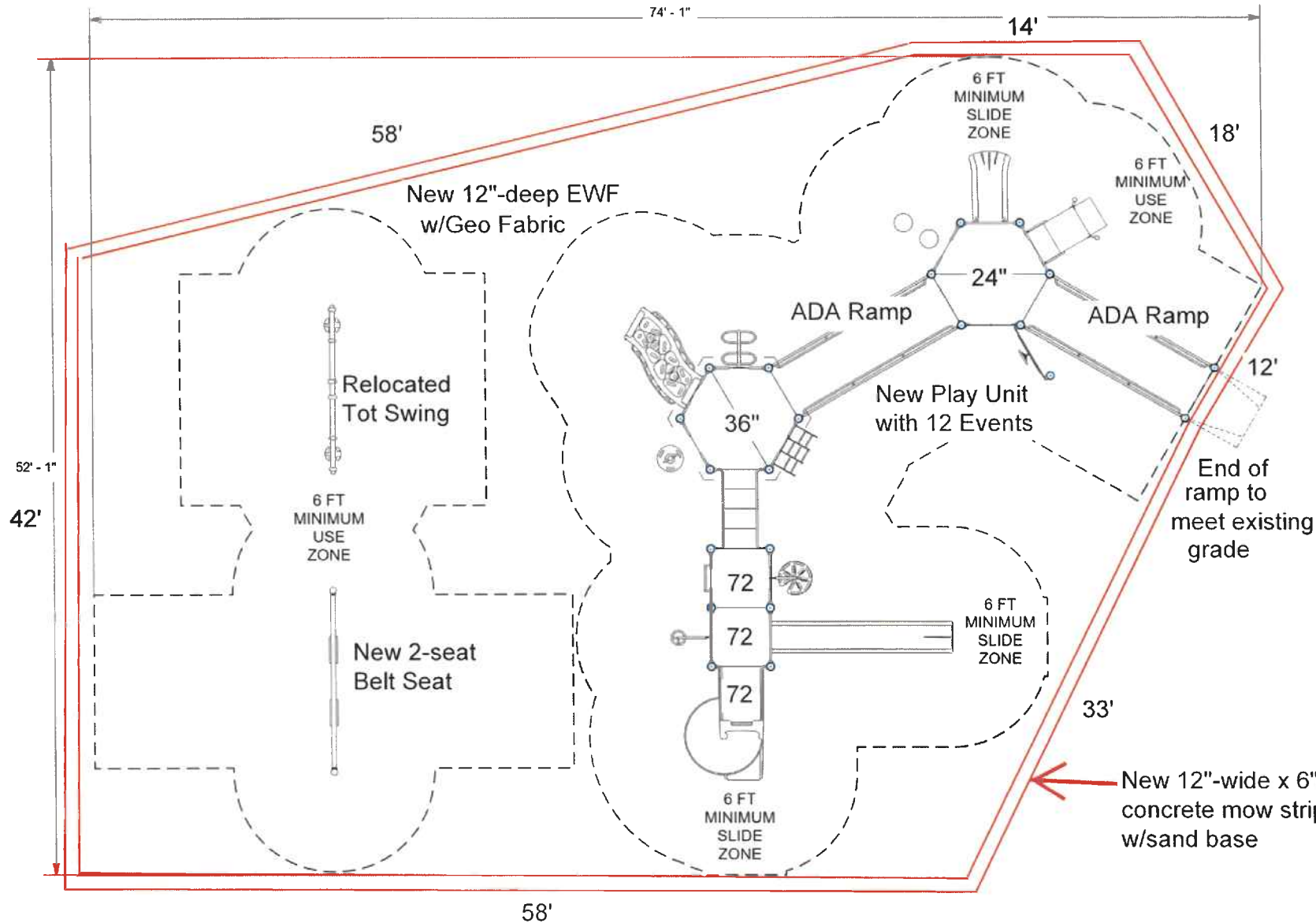
FOR KIDS
AGES
[Mixed]

GENERAL NOTES:

This Preliminary Site Plan is based on measurements that were provided in the initial planning phase. All dimensions must be verified prior to the submission of a purchase order. Playcraft Systems will not be held responsible for any discrepancies between actual dimensions and dimensions submitted in the planning phase.

The Minimum Use Zone for a play structure is based on the product design at the time of proposal. Components and structure designs may be subject to change which may affect dimensions. Therefore, before preparing the site, we strongly recommend obtaining final drawings from the factory (available after the order is placed and included in the Assembly Manual).

(R)RING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC's Handbook For Public Playground Safety, Section 4: Surfacing.



PROJECT#: PEI201A93DA-2

DATE: 3/13/2020 | DRAWN BY: Derick & Mike Wood

USE ZONE: 75' x 53' Irregular

PLAYCRAFT REP:

Play Environments Design, LLC



YPSILANTI CANDY CANE PARK

TOP VIEW

OPTION #1A

ADA ACCESSIBILITY GUIDELINE - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
11	11/6	7	1/0	1/3

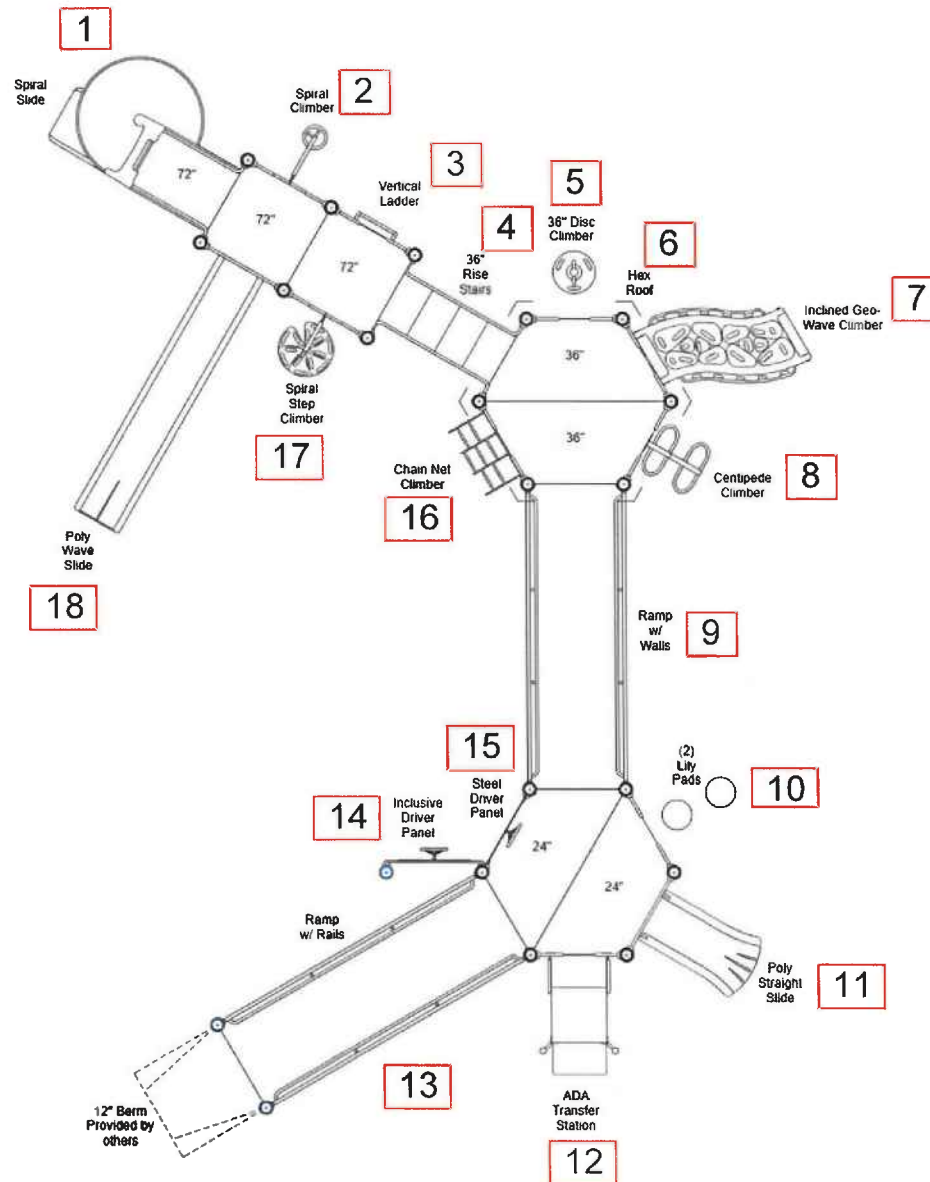
R5

FOR KIDS
AGES
2-12

GENERAL NOTES:

This conceptual plan is based on information provided prior to construction. Detailed site information, including the following, should be obtained, evaluated, and utilized in the final project design. Exact site dimensions, topography, existing utilities, soil conditions and drainage solutions.

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC's Handbook For Public Playground Safety, Section 4: Surfacing



STRUCTURE#: R5081F79A

PROJECT#: PEI201A93DA-2

DATE: 3/13/2020 | DRAWN BY: Derick

MIN. USE ZONE: 42' x 53'

PLAYCRAFT REP:

Play Environments Design, LLC





OPTION #1A

Bill of Materials

YPSILANTI CANDY CANE PARK

Project# PEI201A93DA-2

3/13/2020

Item	Description	Quantity
R5081F79A		
HS-1004-R	Collars	48
GF-7002	Dome Cap, R5	15
S-1007-R5-07ft	Post, 07ft R5	1
S-1008-R5-08ft	Post, 08ft R5	2
S-1009-R5-09ft	Post, 09ft R5	6
S-1013-R5-13ft	Post, 13ft R5	6
S-1014-R5-14ft	Post, 14ft R5	6
S-1101-R5	Square Deck	2
S-1106-R5	Hex Deck, Half (4 Post)	4
S-1206-36R5	ADA Stairs, 36in Rise w/ Walls	1
S-1208-R-RAIL24	Ramp 144in (06-12in High w/ Rails, Inclined)	1
S-1208-R-WALL36	Ramp 144in (18-24in High w/ Walls, Inclined)	1
S-1209-12-HW-R5	Transfer Station, 24in-C (RHW)	1
S-1210-72	Climber, Vertical Ladder 66-72in	1
S-1220-3	Climber, Centipede 30-36in	1
S-1221-3	Climber, Chain Net 30-36in	1
S-1223-6R	Climber, Spiral 66-72in	1
S-1233-3-HW	Climber, Disc 30-36in (w/ HW)	1
S-1234-6R	Climber, Spiral Step 66-72in	1
S-1249-DGH	Climber, Incl. Geo-Wave 30-36in (Horiz, DTG Right)	1
S-1304-R5	Single Slide SitDown Wall	1
S-1309-2-R5	Half Walls (Pair) R5	6
S-1310-R5	Transition Wall	2
S-1414	Lily Pad Step 12-18in	2
S-1625-STL-R5	Driver Panel (Steel)	1



OPTION #1A

Bill of Materials
(continued)

Item	Description	Quantity
S-1628-R5	Inclusive Driver Panel (Ground)	1
S-1701-2R5V2	Slide, Single 24-30in (Straight)	1
S-1704-6	Slide, Wave 72in (Single)	1
S-1706-R5	Slide, Spiral 72in	1
S-1803-R5	Roof, Hex	1
HS-1100-2	Deck to Deck Hardware	3
FREPC2181		
A2-2181-2B	PC 2181-8 8ft Single Post Swing (2B)	1
FREPC2190		
A2-2190	PC 2190 T-Swing (2FB)	0

YPSILANTI CANDY CANE PARK
SW VIEW

OPTION #2

R5

FOR KIDS
AGES
2-12



STRUCTURE#: R50D975AA
PROJECT#: PEI201A93DA-3
DATE: 3/13/2020 | DRAWN BY: Derick



YPSILANTI CANDY CANE PARK
NE VIEW

OPTION #2

R5

FOR KIDS
AGES
2-12



STRUCTURE#: R50D975AA

PROJECT#: PEI201A93DA-3

DATE: 3/13/2020 | DRAWN BY: Derick



YPSILANTI CANDY CANE PARK SITE PLAN

OPTION #2 SITE PLAN Not to Scale

ADA ACCESSIBILITY GUIDELINE - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
13	13/7	9	6/0	3/3

R5

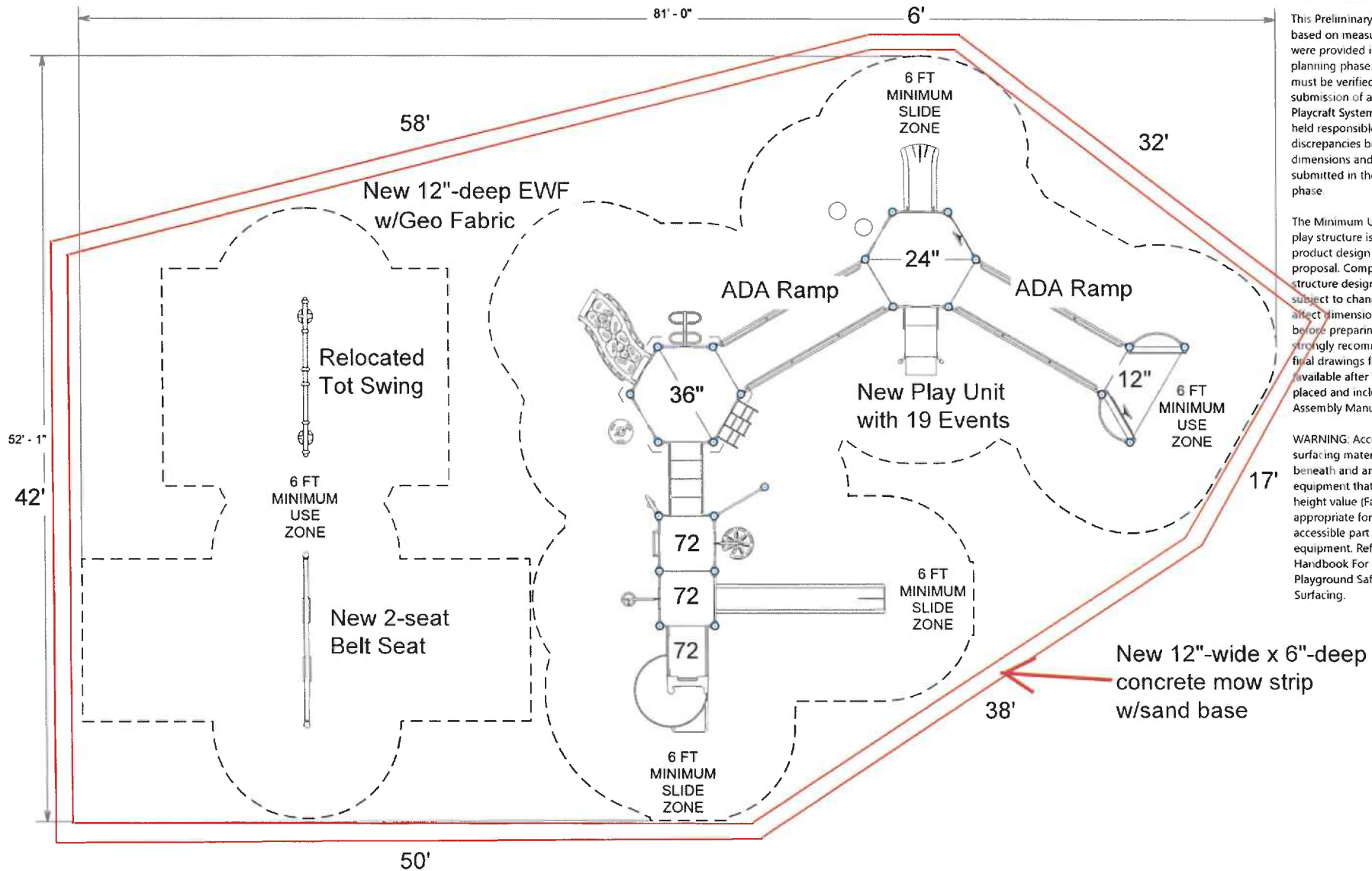
FOR KIDS
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WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC's Handbook For Public Playground Safety, Section 4: Surfacing.



PROJECT#: PEI201A93DA-3

DATE: 3/13/2020 | DRAWN BY: Derick & Mike Wood

USE ZONE: 81' x 53' Irregular

PLAYCRAFT REP:

Play Environments Design, LLC



YPSILANTI CANDY CANE PARK

TOP VIEW

OPTION #2

ADA ACCESSIBILITY GUIDELINE - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
13	13/7	9	2/0	2/3

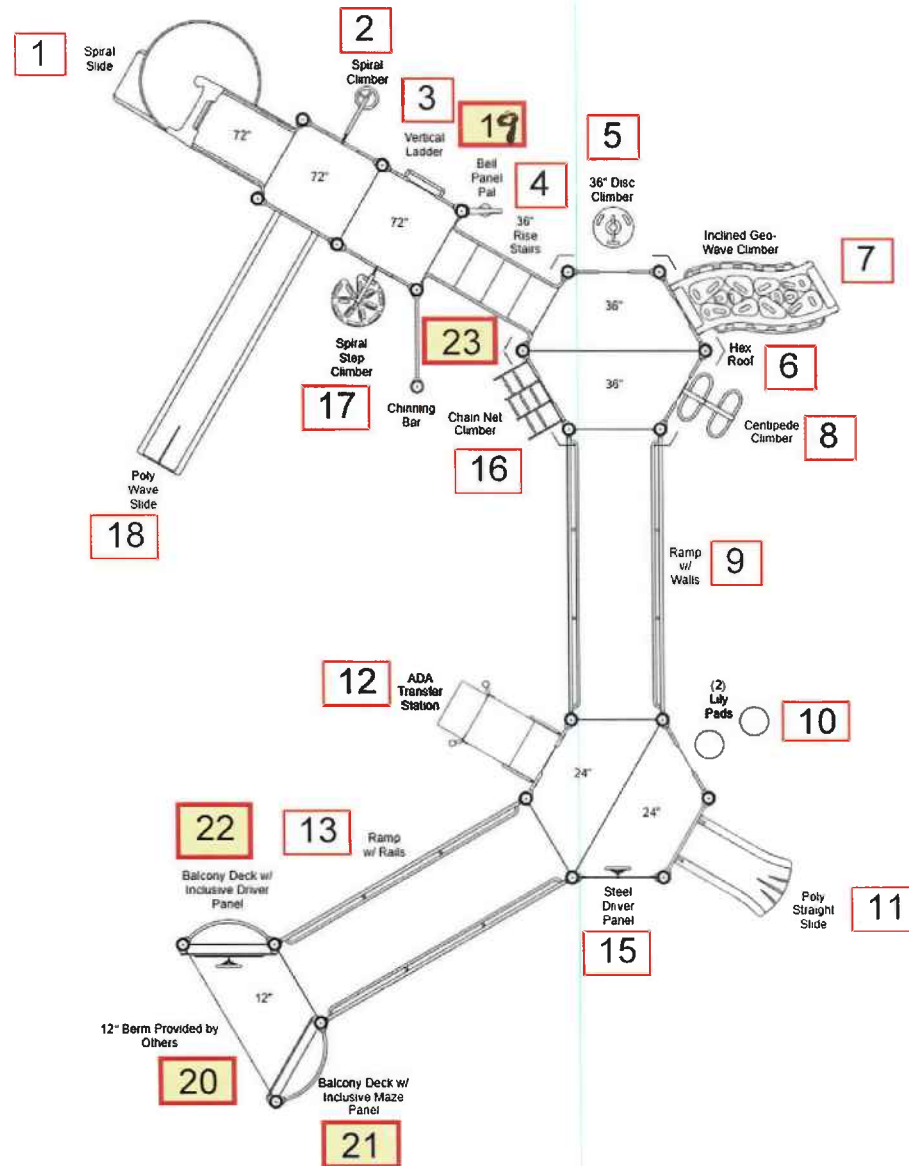
R5

FOR KIDS
AGES
2-12

GENERAL NOTES:

This conceptual plan is based on information provided prior to construction. Detailed site information, including the following, should be obtained, evaluated, and utilized in the final project design. Exact site dimensions, topography, existing utilities, soil conditions and drainage solutions.

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC'S Handbook For Public Playground Safety, Section 4. Surfacing.



STRUCTURE#: R50D975AA

PROJECT#: PEI201A93DA-3

DATE: 3/13/2020 | DRAWN BY: Derick

MIN. USE ZONE: 42' x 57'

PLAYCRAFT REP:

Play Environments Design, LLC





Bill of Materials

OPTION #2

YPSILANTI CANDY CANE PARK

Project# PEI201A93DA-3

3/13/2020

Item	Description	Quantity
R50D975AA		
HS-1004-R	Collars	58
GF-7002	Dome Cap, R5	17
S-1008-R5-08ft	Post, 08ft R5	5
S-1009-R5-09ft	Post, 09ft R5	6
S-1013-R5-13ft	Post, 13ft R5	6
S-1014-R5-14ft	Post, 14ft R5	6
S-1101-R5	Square Deck	2
S-1106-R5	Hex Deck, Half (4 Post)	5
S-1109-R5	Balcony Deck	2
S-1206-36R5	ADA Stairs, 36in Rise w/ Walls	1
S-1208-R-RAIL24	Ramp 144in (06-12in High w/ Rails, Inclined)	1
S-1208-R-WALL36	Ramp 144in (18-24in High w/ Walls, Inclined)	1
S-1209-12-HW-R5	Transfer Station, 24in-C (RHW)	1
S-1210-72	Climber, Vertical Ladder 66-72in	1
S-1220-3	Climber, Centipede 30-36in	1
S-1221-3	Climber, Chain Net 30-36in	1
S-1223-6R	Climber, Spiral 66-72in	1
S-1233-3-HW	Climber, Disc 30-36in (w/ HW)	1
S-1234-6R	Climber, Spiral Step 66-72in	1
S-1249-DGH	Climber, Incl. Geo-Wave 30-36in (Horiz, DTG Right)	1
S-1304-R5	Single Slide SitDown Wall	1
S-1309-2-R5	Half Walls (Pair) R5	6
S-1310-R5	Transition Wall	2
S-1414	Lily Pad Step 12-18in	2
S-1625-STL-R5	Driver Panel (Steel)	1



OPTION #2

Bill of Materials
(continued)

Item	Description	Quantity
S-1628-R5	Inclusive Panel, Driver	1
S-1661-R5	Panel Pal, Bell	1
S-1688-R5	Inclusive Panel, Maze	1
S-1701-2R5V2	Slide, Single 24-30in (Straight)	1
S-1704-6	Slide, Wave 72in (Single)	1
S-1706-R5	Slide, Spiral 72in	1
S-1803-R5	Roof, Hex	1
S-1930-R5	Chinning Bar	1
HS-1100-2	Deck to Deck Hardware	3
FREPC2181		
A2-2181-2B	PC 2181-8 8ft Single Post Swing (2B)	1
FREPC2190		
A2-2190	PC 2190 T-Swing (2FB)	0

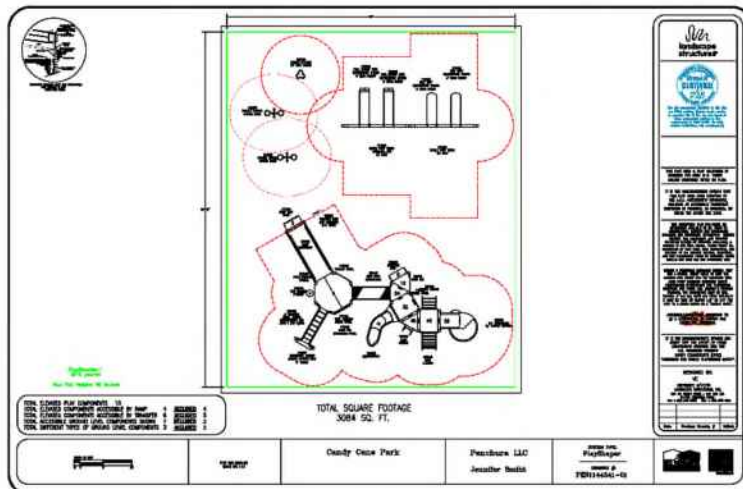
Penchura (Landscape Structures)

Brighton, Michigan

Total: \$74,977

- Can go in either location; replace tot swings
- Partnered with American Forests to purchase trees for carbon offsets; expected 6.02 tons CO2e/18 trees.
- Designed age range: 2-5 years
- Timeline: begin 3-5 weeks from award w/color selection, complete 3-5 weeks after
- Warranty: 3/5/8/19/15/100-year warranty depending on part
- play equipment: \$49,970

elevated	Ramp accessible/ required	Accessible by transfer/ required	Total accessible ground level components	Different types of ground level components/ required
10	4/4	6/5	7/3	3/3





Candy Cane Park

PEN1144341-01 • 03.17.2020

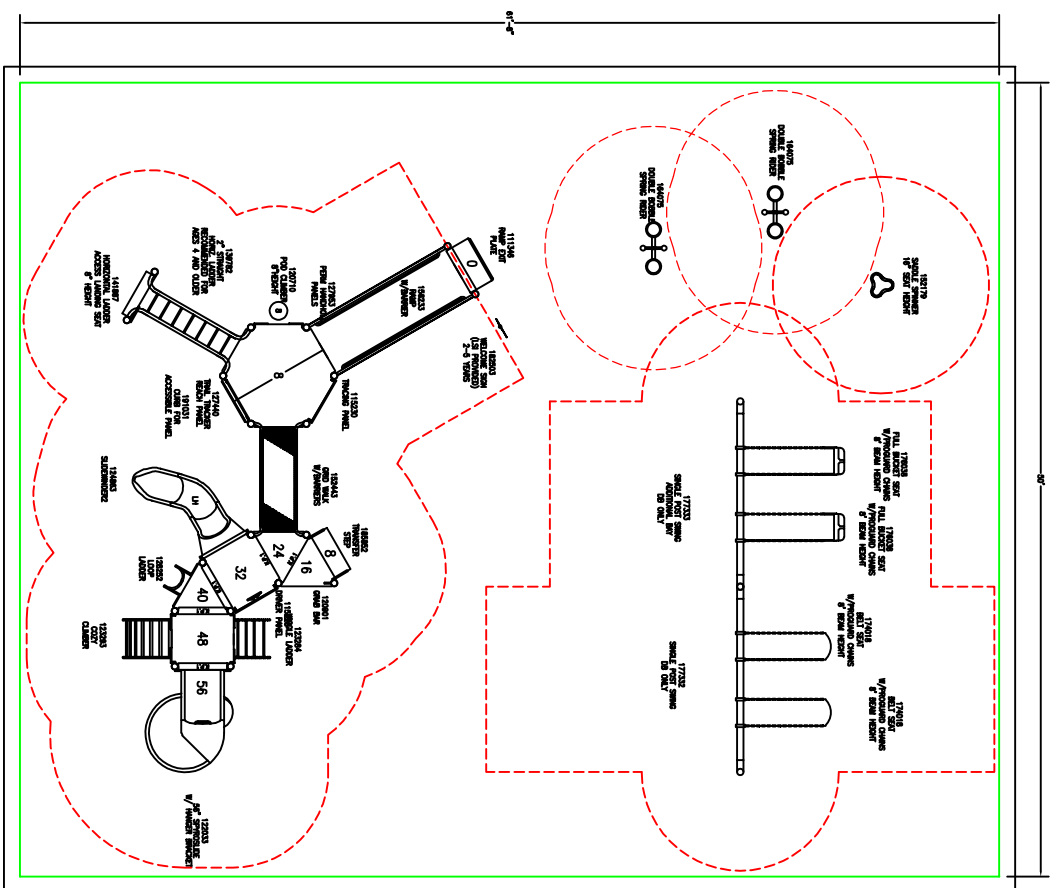
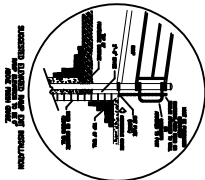




Candy Cane Park

PEN1144341-01 • 03.17.2020





TOTAL ELEVATED PLAY COMPONENTS	10	4	<u>REQUIRED</u>
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP		6	<u>REQUIRED</u>
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER		7	<u>REQUIRED</u>
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN		3	<u>REQUIRED</u>
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	3	3	<u>REQUIRED</u>

TOTAL SQUARE FOOTAGE
3084 SQ. FT.

Candy Cane Park

Penchura LLC

SYSTEM TYPE:
PlayShaper

PEN1144341-01

The play components identified on this plan are PEBA certified. (Please model number is preceded with 7) The use and layout of these components conforms to the requirements of ANSI F32.1 to verify product certification. All components are

**THIS PLAY AREA & PLAY EQUIPMENT IS
DESIGNED FOR AGES 2-5 YEARS
UNLESS OTHERWISE NOTED ON PLAY.**

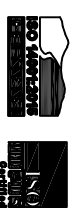
IT IS THE MANUFACTURERS' OPINION THAT THIS PLAY AREA DOES CONFORM TO THE ADA ACCESSIBILITY STANDARDS, ASSUMING AN ACCESSIBLE PROTECTIVE SURFACING IS PROVIDED, AS INDICATED, OR WITHIN THE ENTIRE USE ZONE.

[illegible]

IT IS THE MANUFACTURER'S OPINION AND INTENT THAT THE LAYOUT OF THESE COMPONENTS CONFORM WITH THE U.S. CONSUMER PRODUCT SAFETY COMMISSION'S (CPSC) "HANDBOOK FOR PUBLIC PLAYGROUND SAFETY".

DESIGNED BY:
VC
COPYRIGHT: 3/17/20
LANDSCAPE STRUCTURES, INC.
801 7th STREET SOUTH - P.O. BOX 198
DELAWARE, WISCONSINA 56208
PH: 1-800-338-0035 FAX: 1-763-872-8091

Date	Previous Drawing #	Initials



PlayCAD Quote

Date:03/17/2020
By:VC

Rep Organization: Penchura LLC
Contact Person: Jennifer Smith

Quote No: PEN1144341-01

Project Title: Candy Cane Park

Location:

PlayBooster® (2-5 years)						
PHASE-1 Direct Bury Aluminum			UNIT		TOTAL	
QTY	NO.	DESCRIPTION	WEIGHT (lb)	PRICE (US \$)	WEIGHT (lb)	PRICE (2020)
PlayBooster®						
Bridges & Ramps						
1	152443A	Grid Walk w/Barriers			328.0	3,240.00
1	111346B	Ramp Exit Plate DB			44.0	485.00
1	156233A	Ramp w/Barriers			554.0	4,885.00
Climbers W/Permalene Handholds						
1	123293B	Cozy Climber Perm Handholds 48"Dk DB			126.0	2,460.00
1	128252A	Loop Ladder 40"Dk DB			63.0	870.00
1	123284C	Wiggle Ladder 48"Dk DB			52.0	710.00
Decks						
1	178710A	Hexagon Tenderdeck			285.0	2,735.00
5	121948A	Kick Plate 8"Rise	13.0	110.00	65.0	550.00
2	111228A	Square Tenderdeck	118.0	955.00	236.0	1,910.00
1	185852A	Transfer Step w/2 Handloops DB			77.0	935.00
3	111231A	Triangular Tenderdeck	62.0	740.00	186.0	2,220.00
Enclosures						
1	191031A	Accessible Panel Curb			5.0	105.00
1	115228A	Driver Panel Above Deck			46.0	810.00
1	127953A	Handhold Panel Set			24.0	265.00
1	115230A	Tracing Panel Above Deck			44.0	680.00
1	127440A	Trail Tracker Reach Panel Above Deck			19.0	445.00
Motion & More Fun						
1	120901A	Grab Bar			5.0	180.00
Overhead Events						
1	139782A	2"Horizontal Ladder 4-5 Years			74.0	870.00
1	141887A	Access/Landing Assembly Seat Barrier Right 8"Dk			36.0	570.00
Posts						
5	111404G	100"Alum Post DB	26.0	275.00	130.0	1,375.00
2	111404F	108"Alum Post DB	28.0	280.00	56.0	560.00
1	111404E	116"Alum Post DB			29.0	285.00
2	111404D	124"Alum Post DB	30.0	330.00	60.0	660.00
2	111404C	132"Alum Post DB	31.0	345.00	62.0	690.00
2	111404J	76"Alum Post DB	19.0	240.00	38.0	480.00

PlayCAD Quote

Date:03/17/2020
By:VC

Rep Organization: Penchura LLC
Contact Person: Jennifer Smith

Quote No: PEN1144341-01

Project Title: Candy Cane Park

Location:

PlayBooster® (2-5 years)						
PHASE-1 Direct Bury Aluminum			UNIT		TOTAL	
QTY	NO.	DESCRIPTION	WEIGHT (lb)	PRICE (US \$)	WEIGHT (lb)	PRICE (2020)
4	111404I	84"Alum Post DB	21.0	255.00	84.0	1,020.00
1	111404H	92"Alum Post DB			23.0	265.00
Slides						
1	124863A	SlideWinder2 32"Dk DB 1 Left			139.0	1,920.00
1	122033D	SpyroSlide 56"w/Hanger Bracket DB ¹			402.0	5,525.00
Freestanding Play Climbers						
1	120710A	Pod Climber 8" DB			12.0	265.00
Motion & More Fun						
2	164075B	Double Bobble Rider DB	131.0	1,925.00	262.0	3,850.00
1	152179A	Saddle Spinner DB 16"Height			40.0	950.00
Signs						
1	182503A	Welcome Sign (LSI Provided) Ages 2-5 years Direct Bury			24.0	0.00
Swings						
2	174018A	Belt Seat ProGuard Chains for 8' Beam Height	8.0	120.00	16.0	240.00
2	176038A	Full Bucket Seat ProGuard Chains for 8' Beam Height	14.0	325.00	28.0	650.00
1	177332A	Single Post Swing Frame 8' Beam Height Only			213.0	1,180.00
1	177333A	Single Post Swing Frame Additional Bay 8' Beam Height Only			129.0	880.00

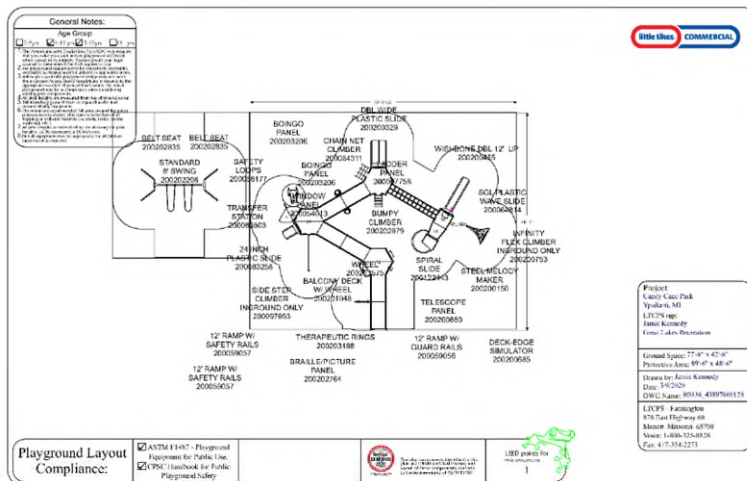
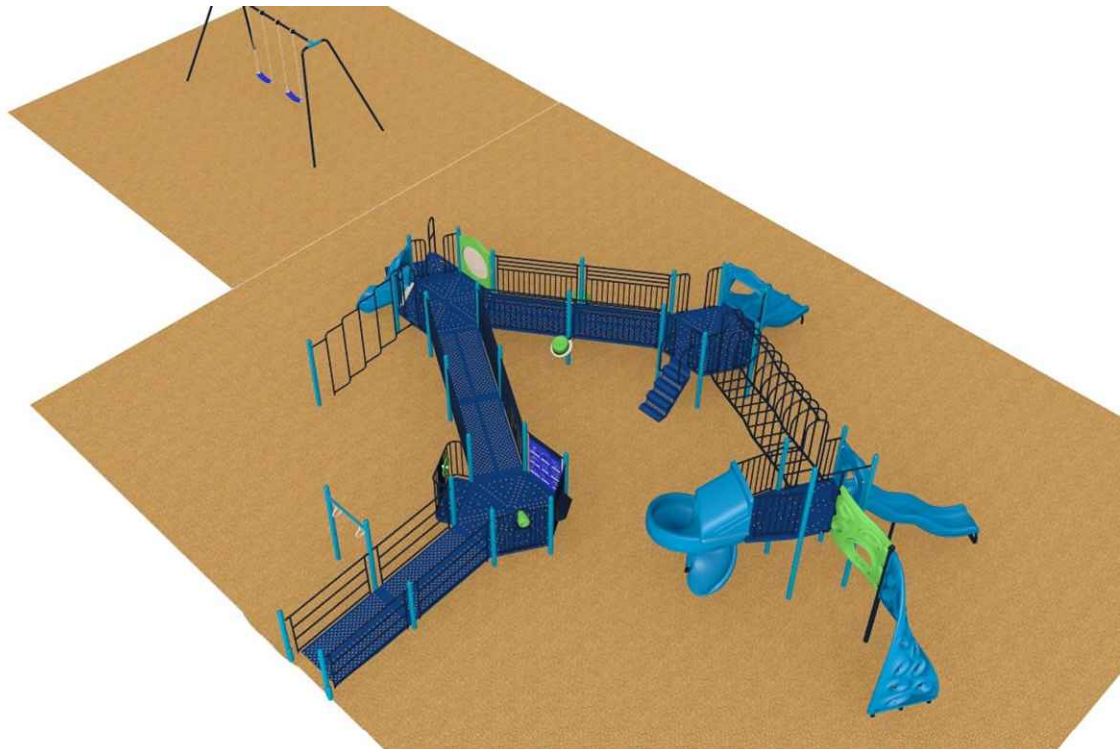
SUMMARY		CONCRETE (cu-ft)	FOOTINGS (count)	LABOR (man-hours)	WEIGHT (lb)	PRICE (2020)
PlayBooster® (2-5 years) PHASE-1		91.3	40	70.0	4,016.0	45,720.00
Total Safety Zone Area = 2231 sq. ft.						

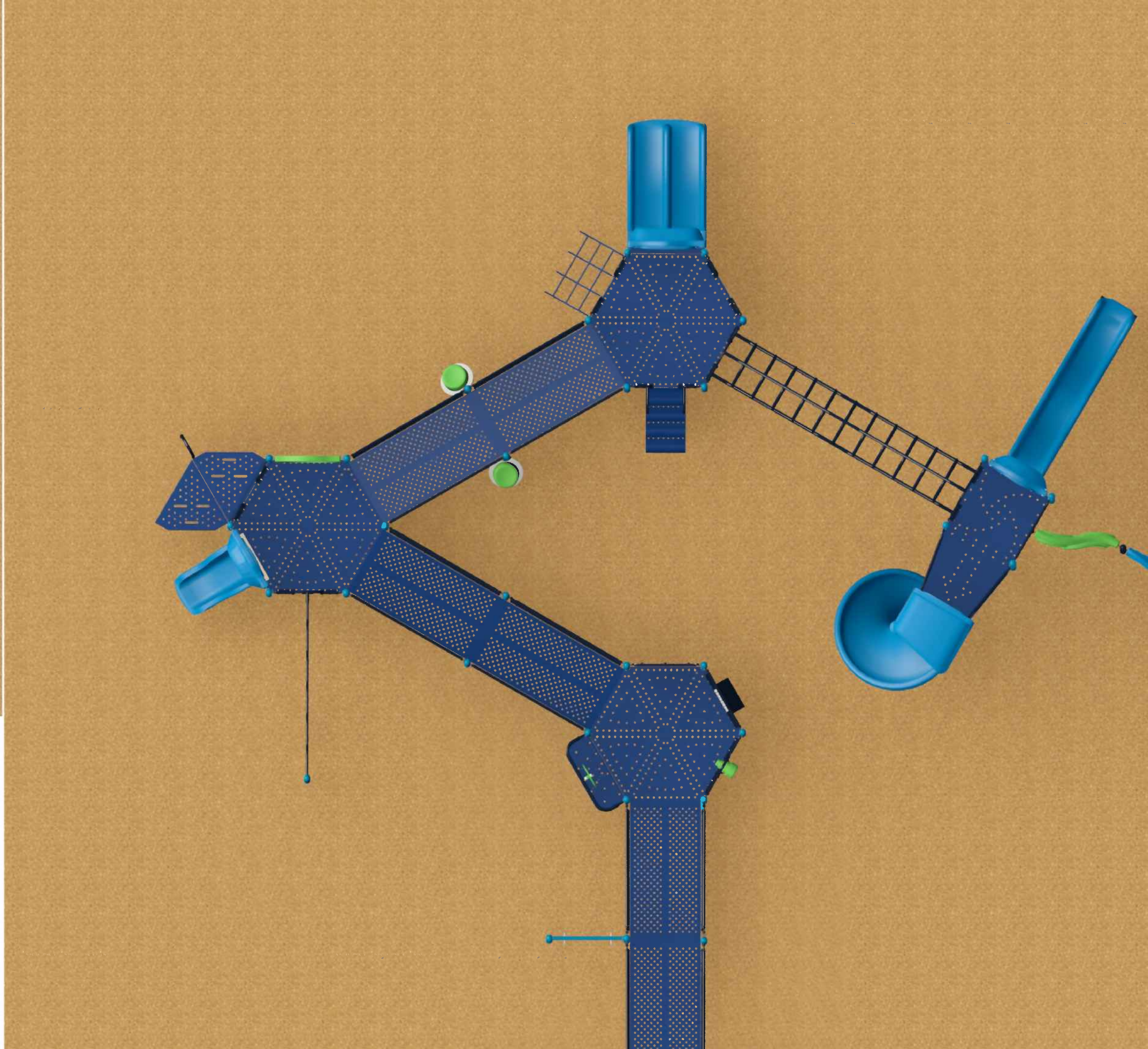
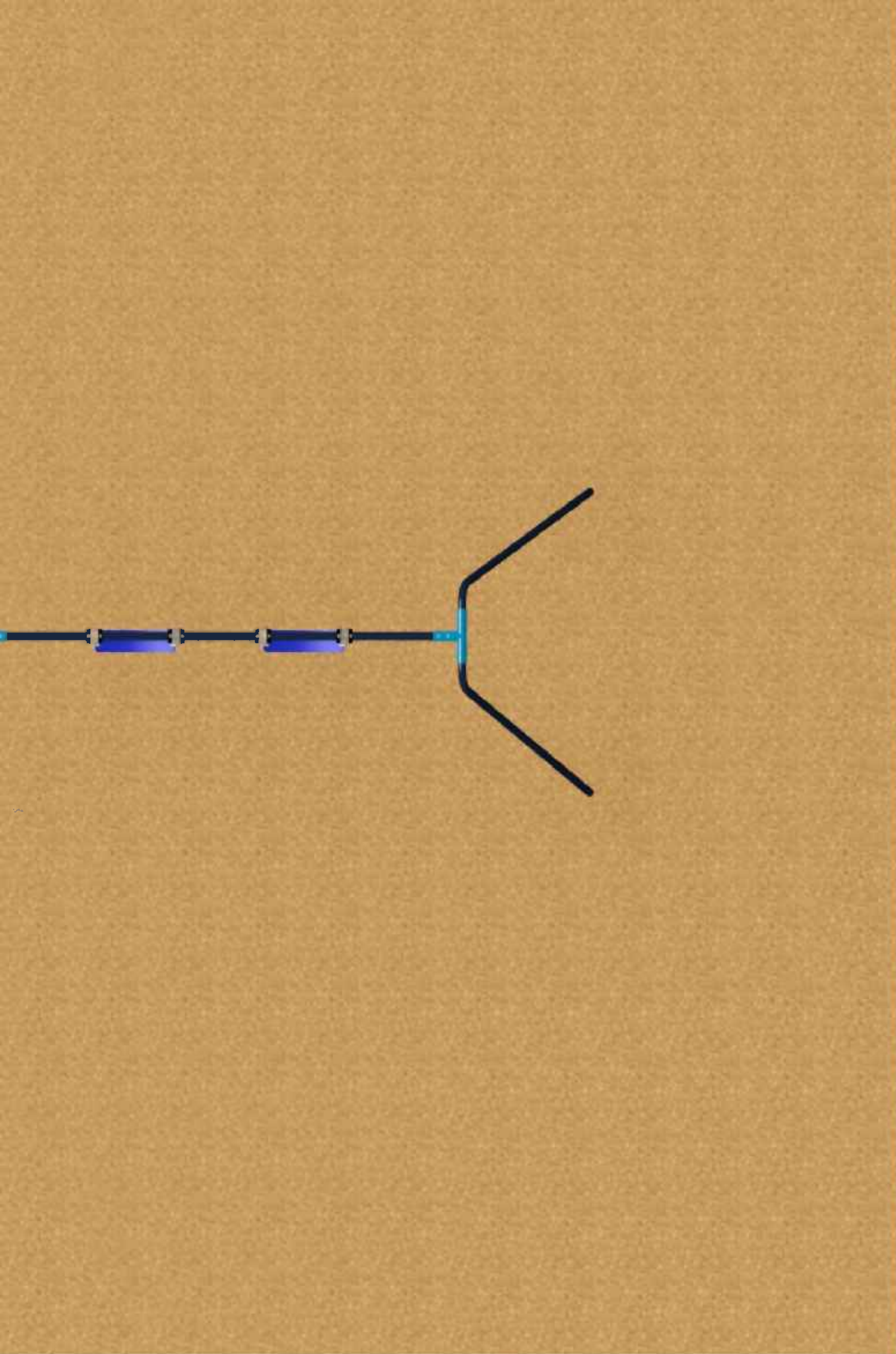
ALL PHASES	PlayBooster®	53.4	32	53.0	3,292.0	37,705.00
	Freestanding Play	37.9	8	17.0	724.0	8,015.00
	Total	91.3	40	70.0	4,016.0	45,720.00

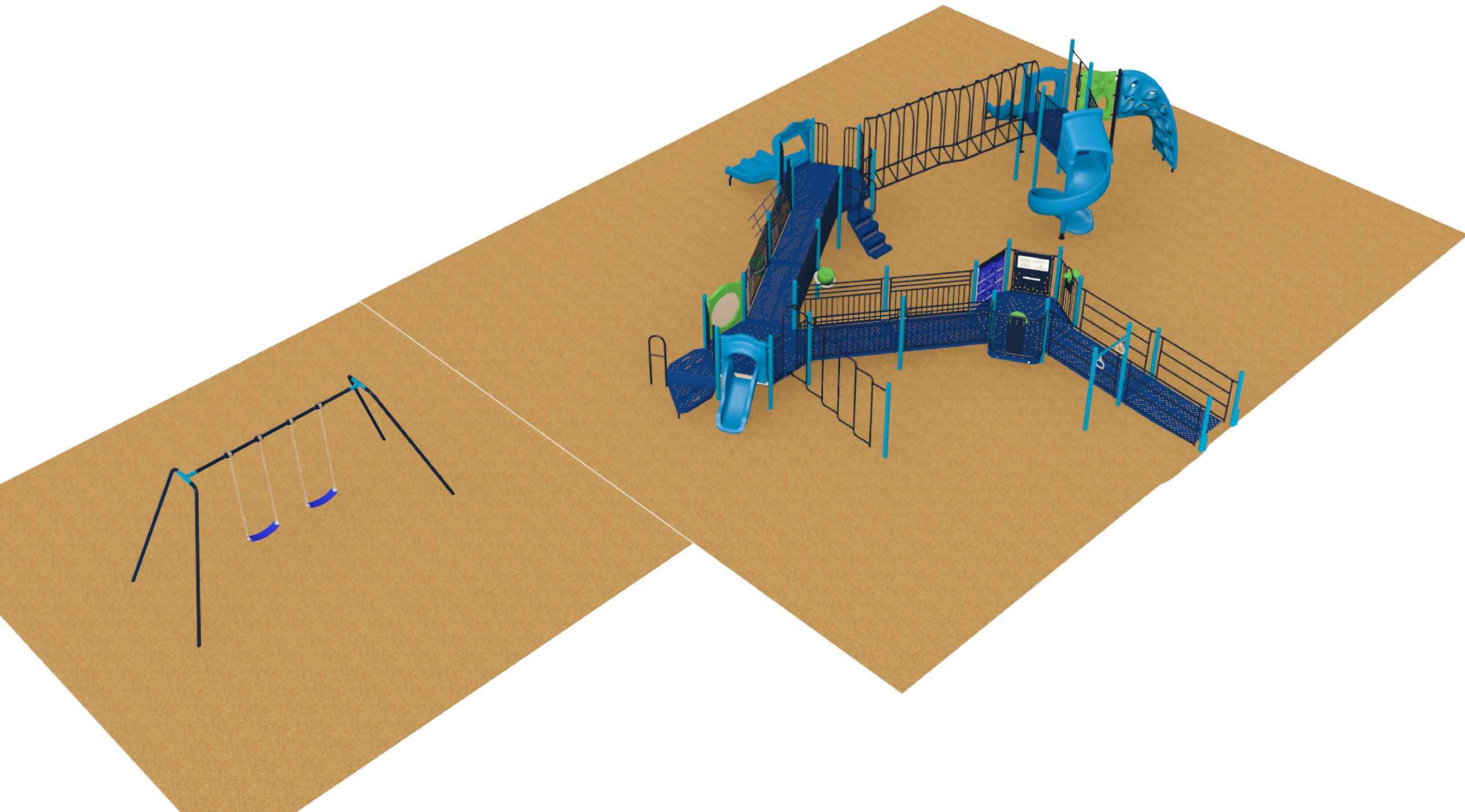
Holland, Michigan

Total: \$75,000

- Location not specified, tot swing not shown
- Designed age range: 2-12
- Timeline: 4-6 weeks to receive, 2-3 weeks to install
- Warranty: 1/3/5/8/10/15/lifetime warranty
- Play equipment: 42,471
 - o 74 children accommodated

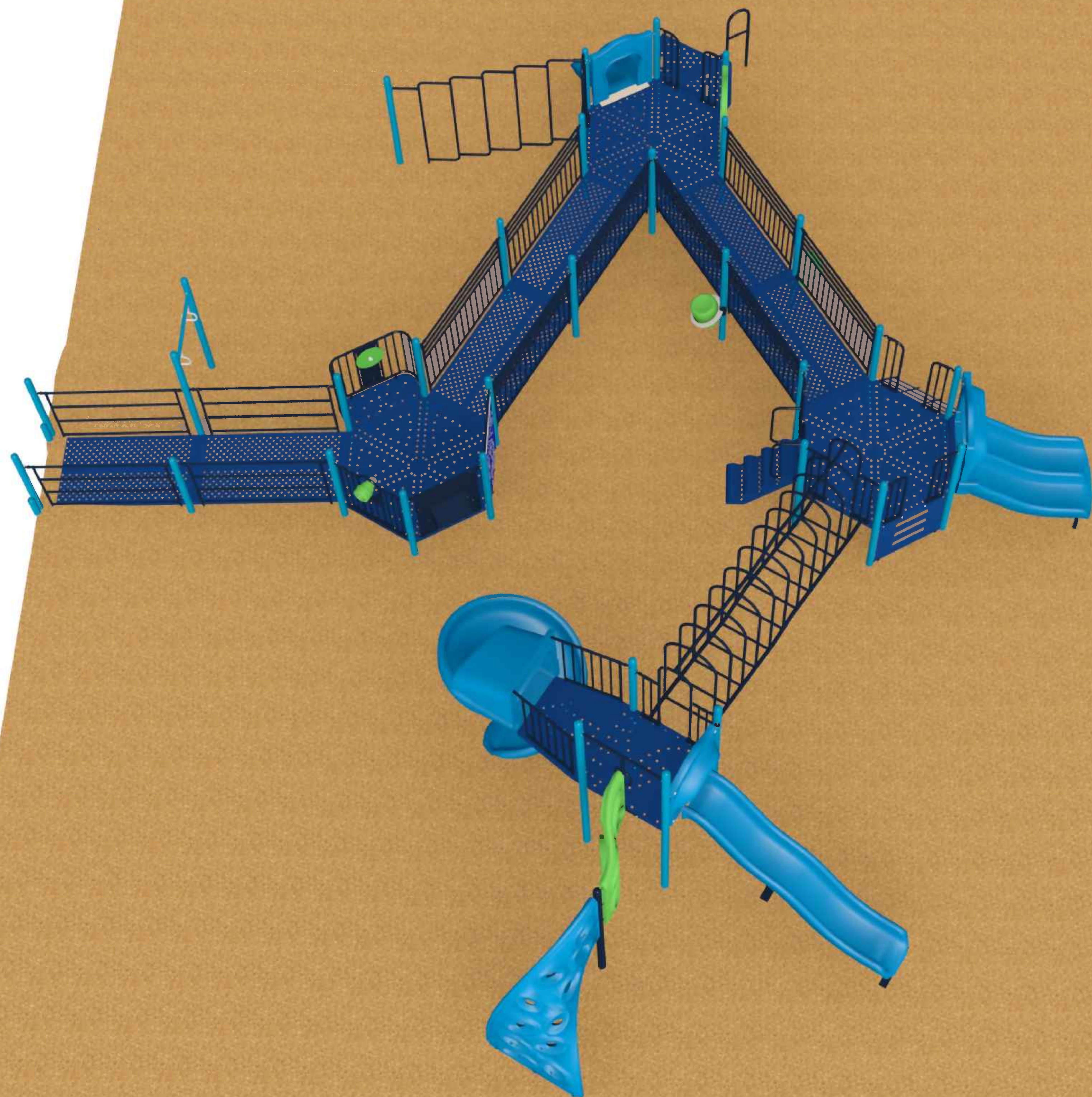


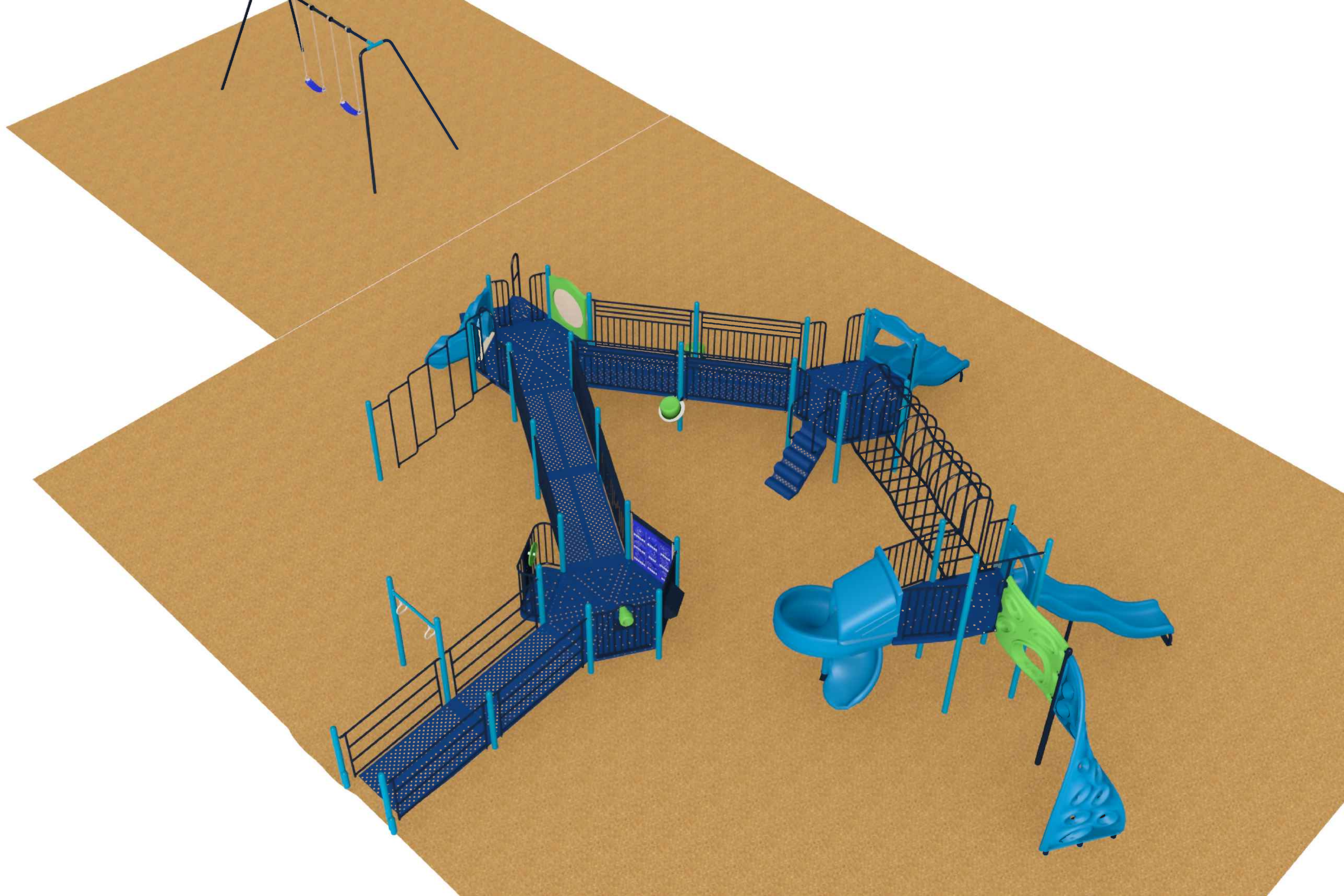










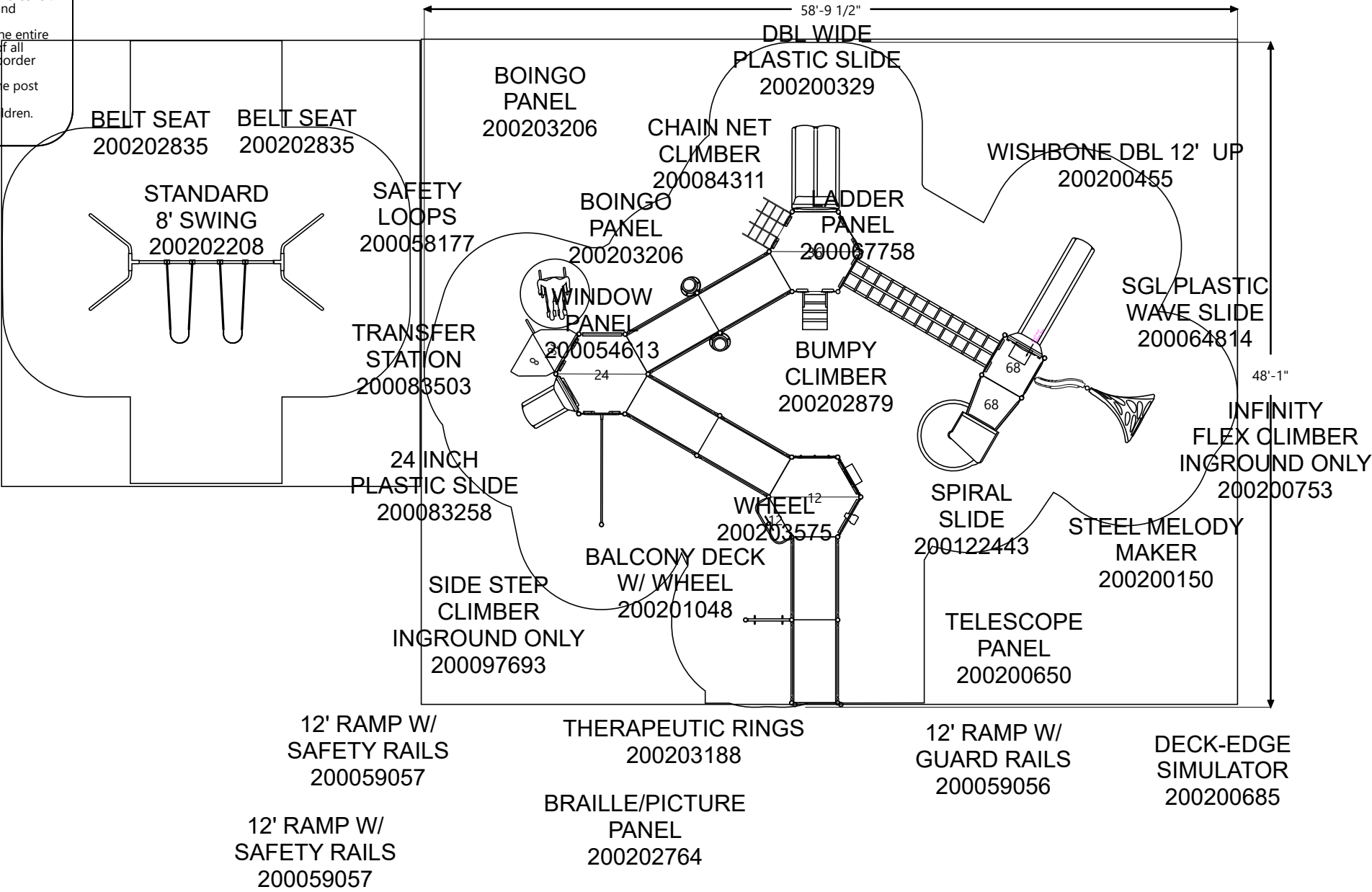


General Notes:

Age Group

☐ 2-5yrs ☒ 5-12 yrs ☒ 2-12yrs ☐ 13+ yrs

- 1.The Americans with Disabilities Act (ADA) may require that you make your park and/or playground accessible when viewed in its entirety. Please consult your legal counsel to determine if the ADA applies to you.
- 2.For playground equipment to be considered accessible, accessible surfacing must be utilized in applicable areas.
- 3.Although a particular playground design may not meet the proposed Access Board Regulations in regards to the appropriate number of ground level events, the actual playground may be in compliance when considering existing play components.
- 4.All deck heights are measured from top of ground cover.
- 5.Fall absorbing ground cover is required under and around all play equipment.
- 6.The minimum recommended fall zone around the entire playstructure is shown. This zone is to be free of all tripping or collision hazards (i.e. roots, rocks, border material, etc.).
- 7.All post lengths are identified by text showing the post lengths, i.e. 96 represents a 96 inch post.
- 8.Not all equipment may be appropriate for all children. Supervision is required.



Project:
Candy Cane Park
Ypsilanti, MI
LTCPS rep:
Jamie Kennedy
Great Lakes Recreation

Ground Space: 77'-6" x 42'-6"
Protective Area: 89'-6" x 48'-6"

Drawn by: Jamie Kennedy
Date: 3/9/2020
DWG Name: R0336_43897660128

LTCPS - Farmington
878 East Highway 60
Monett, Missouri 65708
Voice: 1-800-325-8828
Fax: 417-354-2273

Playground Layout
Compliance:

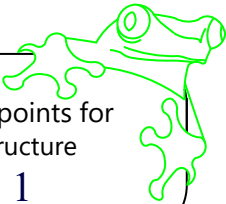
- ☒ ASTM F1487 - Playground Equipment for Public Use.
- ☒ CPSC Handbook for Public Playground Safety



The play components identified in this plan are IPEMA certified. The use and layout of these components conform to the requirements of ASTM F1487.

LEED points for
this structure

1





PlayPower LT Farmington, Inc.
878 E. US Hwy 60
Monett, MO 65708
1-800-325-8828

For PlayPower Internal Use Only
ORDER: 0000200010
PROJECT: R0336_43897660128_02

Clardy Corner Piece

74 Uses

PlayArea_2_1

Product line: KidBuilders
Age group: 5-12

Ypsi

*3812 - 975 sqft swings
2837 sqft*

Components

Part Number	Description	Qty	Weight	Volume	Unit Price	Total
100005274	PB SQUARE DECK	1	77.00	3.00	656.00	656.00
200008193	TOOL BOX KID BUILDERS #2, S.S. (MM)	1	3.00	0.36	0.00	0.00
200054613	PB PANEL ARCH WINDOW	1	22.00	3.00	769.00	769.00
200058177	PB SAFETY LOOP	1	17.00	1.00	287.00	287.00
200059056	PB 3660 RAMP W/GUARD RAILS	1	359.00	24.00	2,452.00	2,452.00
200059057	PB 3660 RAMP W/SAFETY RAILS	2	481.00	24.00	3,281.00	6,562.00
200064814	SLIDE WAVE SGL.WD. 1625MM F/PB	1	150.00	48.00	1,336.00	1,336.00
200067758	LADDER PANEL BELOW DECK 915 F/PB W/SFTY	1	79.00	2.00	570.00	570.00
200083258	SLIDE SGL.WD. 610MM/24" F/PB	1	78.00	16.00	1,058.00	1,058.00
200083503	TRANSFER STATION 610 MM F/PB	1	149.00	8.00	1,403.00	1,403.00
200084311	CHAIN NET PB 36"/915 W/SAFETY LOOPS	1	77.00	6.00	936.00	936.00
200097693	PB SIDE STEP CLIMBER 2440 DECK-TO-POST	1	117.00	19.00	1,447.00	1,447.00
200101172	POST W/CAP F/PB 2955/116.3"	4	32.00	2.00	179.00	716.00
200122443	SLIDE SPIRAL PB 1625/64 (2007)	1	378.00	188.00	4,586.00	4,586.00
200200150	PANEL PB STEEL MELODY MAKER ABOVE DECK	1	97.00	10.00	1,720.00	1,720.00
200200329	SLIDE DBL. WD.PLASTIC36"/915MM PB (2004)	1	137.00	52.00	1,094.00	1,094.00
200200455	WISHBONE 12' DBL. F/PB	1	339.00	205.00	3,010.00	3,010.00
200200530	KIT MAINTENANCE KB W/PAINT W/O LIST	1	10.00	1.00	0.00	0.00
200200650	PB TELESCOPE PANEL DKMT	1	60.00	4.00	1,137.00	1,137.00
200200685	DECK EDGE SIMULATOR F/PB RAMP LWR END	1	25.00	0.50	94.00	94.00
200200753	PB INFINITY FLEX GROUND TO DECK SGL	1	250.00	140.00	2,443.00	2,443.00
200201048	PB BALCONY DECK W/ RAIL F/ WHEEL	1	100.00	20.00	1,185.00	1,185.00
200202208	STANDARD 8' STANDARD BEAM	1	273.00	13.00	1,123.00	1,123.00
200202609	PB POST W/CAP 1345MM (53")	2	19.00	1.00	111.00	222.00
200202611	PB POST W/CAP 2285MM (90")	3	33.00	2.00	131.00	393.00
200202612	PB POST W/CAP 2490MM (98")	6	36.00	2.00	144.00	864.00
200202613	PB POST W/CAP 2690MM (106")	9	39.00	2.00	152.00	1,368.00
200202614	PB POST W/CAP 2895MM (114")	4	42.00	2.00	166.00	664.00
200202615	PB POST W/CAP 3100MM (122")	2	44.00	2.00	179.00	358.00
200202619	PB POST W/CAP 3910MM (154")	2	56.00	2.00	209.00	418.00
200202621	PB POST W/CAP 4320MM (170")	2	62.00	3.00	221.00	442.00
200202764	PB BRAILLE PICTURE PANEL DKMT	1	30.00	2.00	880.00	880.00
200202835	ASSY BELT SEAT F/8' SWING W/CHAIN	2	18.00	0.50	112.00	224.00
200202879	PB CLIMBER BUMPY 1016MM DECK	1	154.00	0.00	1,704.00	1,704.00
200202993	PB HEX DECK	3	220.00	12.00	2,439.00	7,317.00
200203188	PB THERAPEUTIC RINGS	1	25.00	2.00	453.00	453.00
200203206	PB BOINGO	1	15.00	2.00	274.00	274.00
200203206	PB BOINGO	1	15.00	2.00	274.00	274.00
200203575	ASSY RAIL MT.ALUM.STEER.WHL.	1	2.00	0.08	221.00	221.00
HW7704-1	HRDW PKG F/CLAMP ELIMINATION S1/1	2	1.00	0.00	102.00	204.00

RiskSign_Included

Product line: Park Service

Age group:

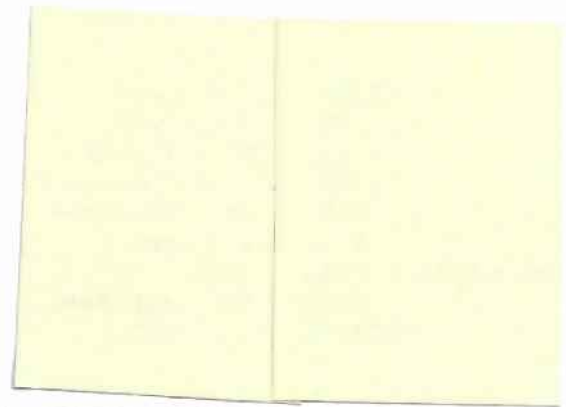
Components

Part Number	Description	Qty	Weight	Volume	Unit Price	Total
787Z	RISK MANAGEMENT SIGN - ENGLISH	1	0.00	0.00	0.00	0.00

Additional Items

Part Number	Description	Qty	Weight	Volume	Unit Price	Total
200111492	LABEL, IDENTIFICATION STAMPED W/RIVETS	3	0.00	0.00	0.00	0.00
200305596	14' MED CRATE (ASSY DOMESTIC)	1	277.00	0.00	0.00	0.00
200305597	14' LARGE CRATE (ASSY DOMESTIC)	4	385.00	0.00	0.00	0.00
925603	LABEL P/C (5 TO 12 YRS) PPLT	2	0.00	0.00	4.00	8.00
925960	THUMB DRIVE 2GB - PPLT	1	0.00	0.00	0.00	0.00
926020	LITTLE TIKES CARD F/THUMB DRIVE	1	0.00	0.00	0.00	0.00
INSTALL BOOK	INSTALL BOOK FOR PP ORDERS	1	0.00	0.00	0.00	0.00

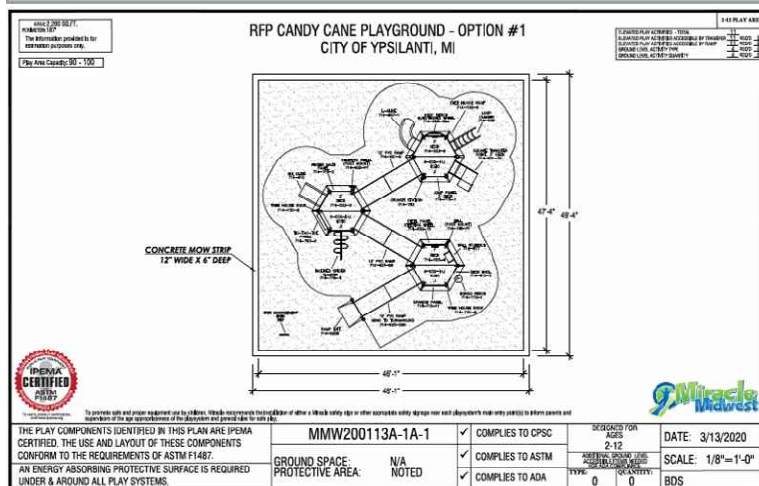
Totals:



Option 1: \$73,229.02

- Does not include relocating tot swings
- Designed age range: 2-12
- Timeline: 5-6 weeks after signed contract & order
- Warranty: 1/3/5/8/10/15/lifetime warranty
- play equipment: 30295.40
 - o 11 events, 90-100 users

elevated	Accessible/ required	Ramp accessible/ required	Ground/ required	Ground types/ required
11	11/0	11/6	4/0	4/0





Miracle Midwest
PO Box 130
Holly, MI 48442
1-800-722-8546
info@miraclemidwest.com

QUOTE: R0016200006
CUSTOMER: 4819B06
Quote Date: 3/16/2020
Valid For: 30 Days From Quote Date
DELIVERY TIME ARO: 5-7 weeks
(After Receipt of Order and Any Required
Approved Submittals, Drawings, and/or
Color Selections)

Prepared For:

City of Ypsilanti
1 South Huron
Ypsilanti, MI 48197

Project Name & Location:

Candy Cane Park Playground
802 Courtland St.
Ypsilanti, MI 48197
OPTION 1

Prepared by:

Kim Alexander (cs)
Miracle Midwest
Holly, MI 48442
(800) 722-8546 (phone)
info@miraclemidwest.com

OPTION 1

MMW200113A-1A - 2-12 STRUCTURE

Product line: KidsChoice

Age group: 2-12

Components

Part Number	Description	Qty
7145039	1/2 HEX FULL DECK (ATTACHES TO 4 POSTS)	6
7145491	5" OD X 88" POST F/MAZE PANELS	4
7145493	5" OD X 112" POST (3' DECK)	6
714551	5" OD X 106" POST (2'6" DECKS OR LESS)	8
714555	5" OD X 76" POST FOR FENCING & PANELS	2
71460215	STEEL PANEL W/STEERING WHEEL	1
71471511	SPANISH PANEL	1
7147152	FINGER MAZE PANEL	1
7147153	JUMP PANEL (3' DECK)	1
7147632	TIC-TAC-TOE PANEL	1
7147721	BONGO PERCH (STATIONARY)	1
7147784	INCLINED SPIDER CLIMBER (3' & 4' DECK)	1
714782	CRUNCH STATION	1
714796P1	BELL (POST MOUNT)	1
7148135	DECK ENCL FOR OVERHEAD CLIMBERS (ONLY)	1
714817	CST TREEHOUSE WALL W/SEAT	1
71485139	SQUARE TRANSFER POINT W/CLOSED HR (3' DECK)	1
714900P1	STEERING WHEEL (POST MOUNT)	1
7149071	"L" SLIDE RH, ROCKITE (3' DECK)	1
714910	4' SKI SLIDE (2' DECK)	1
714920595	12' RAMP GRND TO DECK 1:12, W/OUT PST, OPN HR	1
714920E	ADA RAMP EXTENSION INCLINED (LARGE)	1
71492159	12' RAMP DECK TO DECK 1:12, OPEN HNDRL	1
7149219	12' RAMP DECK TO DECK 1:12	1
714968	CURVED LOOP CLIMBER (3' DECK)	1
71499269A	KIDS' PERCH W/EXTENDED WHEEL	1
7147306	HEXAGON TREEHOUSE ROOF	3
787Z	RISK MANAGEMENT SIGN - ENGLISH (NO PRICE)	1
714999Z	CUSTOMER SERVICE KIT (NO PRICE)	1

Equipment Price: \$30,295.40

ENGINEERED WOOD FIBER

113CY	ENGINEERED WOOD FIBER SAFETY SURFACING	\$ 2,188.50
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Continued to next page...

INSTALLATION

INSTALL

INSTALLATION SERVICES INCLUDE:

- DEMOLITION, REMOVE, LOAD AND HAUL OFF EXISTING PLAY STRUCTURE AND CONCRETE FOOTINGS
- LOAD AND HAUL OFF SITE EXISTING ENGINEERED WOOD FIBER
- EXCAVATE APPROXIMATELY 58' X 54' 12" DEPTH
SEPARATE TOPSOIL FROM SUBSOIL WHERE POSSIBLE
USE EXCAVATED MATERIAL AS FILL MATERIAL
- LEVEL SOIL, ROUGH GRADE IN PREPARATION FOR RESTORATION WORK
- INSTALL EQUIPMENT SHOWN IN MMW200113A PER MANUFACTURER SPECIFICATIONS
- ACCEPT DELIVERY OF EQUIPMENT SHOWN IN MMW200113A, UNLOAD AND STORE ON JOB SITE
- SUPPLY AND INSTALL SINGLE LAYER GEOTEXTILE FABRIC
- INSTALL ENGINEERED WOOD FIBER SAFETY SURFACING
- TURF RESTORATION
- INSTALL CONCRETE MOW STRIP AS SPECIFIED 12" X 6"

PLEASE NOTE: OPTION 1 DOES NOT INCLUDE RELOCATING SWINGS

Install Price: \$36,600.08

Totals:

SubTotal: \$69,083.98

Estimated Sales Tax 6%: \$ 4,145.04

Grand Total: \$73,229.02

**NO ORDERS WILL BE PLACED WITHOUT A SIGNED QUOTATION AND/OR PURCHASE ORDER.
ORDERS OVER \$5,000 WILL REQUIRE A SIGNED PURCHASE ORDER BEFORE THEY WILL BE PLACED.**

PLEASE NOTE THE FOLLOWING:

- ✓ Sales tax on this quote is only an estimate. Final sales tax will be added to your invoice if a current state sales tax exemption certificate is not on file in our office.
- ✓ A Miracle Credit Application may be required and must be completed and returned before your order is placed. If credit is not issued, Cash in Advance is required with order.
- ✓ **ORDERS OVER \$10,000.00 MAY REQUIRE 50% DEPOSIT BEFORE ORDER IS RELEASED.**
- ✓ **See top of quote for terms.**
- ✓ This quote is to supply the equipment listed above only. Any other contractual requirements/needs are the responsibility of the contractor.
- ✓ PLEASE provide 4-5 sturdy adults or appropriate unloading equipment to unload your equipment
- ✓ Due to fluctuating fuel and steel prices, quotes are valid for only 30 days. After 30 days, cost is only an estimate and actual charges may differ.
- ✓ Price was quoted site unseen, it assumes the site is reasonably flat
- ✓ Please add Sales Tax, if appropriate, or fax a copy of your Tax Exempt Certificate with Order
- ✓ THIS QUOTE **DOES NOT** INCLUDE:
 - ✓ Equipment, Services, Materials not specifically noted above
 - ✓ Removal of soils/excess excavated materials from site
 - ✓ Drainage materials/Installation of drainage materials
 - ✓ Dewatering/excess water removal from footings, excavations, or any other installation processes where excess water may be present
 - ✓ Accessible route to new play area
 - ✓ Any permits, if required
 - ✓ Repair of any utilities/irrigation system not marked by Miss Dig or owner
 - ✓ Testing of soil conditions
 - ✓ Prevailing Wage or union/labor wages
 - ✓ Bid/Performance/Labor/Material Bonds

Continued to next page...

3/16/2020

QUOTE: R0016200006



RFP Candy Cane Playground - Option #1 - View 1
City of Ypsilanti, MI
MMW200113A







RFP Candy Cane Playground - Option #1 - View 3
City of Ypsilanti, MI
MMW200113A





RFP Candy Cane Playground - Option #1 - View 4
City of Ypsilanti, MI
MMW200113A



AREA: 2,200 SQ.FT.
PERIMETER: 187'
The information provided is for
estimation purposes only.

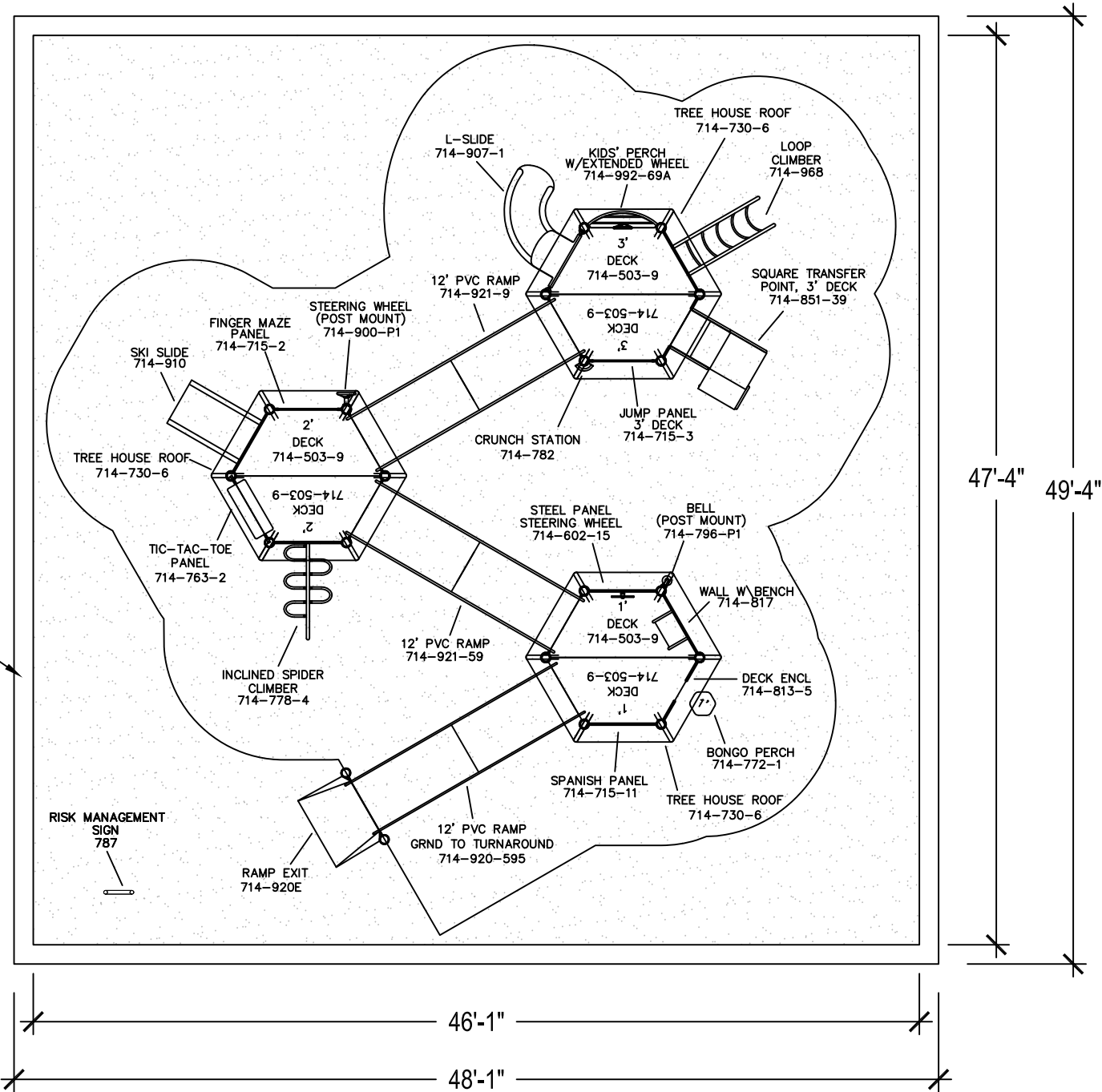
Play Area Capacity: 90 - 100

RFP CANDY CANE PLAYGROUND - OPTION #1
CITY OF YPSILANTI, MI

2-12 PLAY AREA

ELEVATED PLAY ACTIVITIES - TOTAL	11	
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER	11	REQ'D 0
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP	11	REQ'D 6
GROUND LEVEL ACTIVITY TYPE	4	REQ'D 0
GROUND LEVEL ACTIVITY QUANTITY	4	REQ'D 0

CONCRETE MOW STRIP
12" WIDE X 6" DEEP



To promote safe and proper equipment use by children, Miracle recommends the installation of either a Miracle safety sign or other appropriate safety signage near each playsystem's main entry point(s) to inform parents and supervisors of the age appropriateness of the playsystem and general rules for safe play.



THE PLAY COMPONENTS IDENTIFIED IN THIS PLAN ARE IPEMA CERTIFIED. THE USE AND LAYOUT OF THESE COMPONENTS CONFORM TO THE REQUIREMENTS OF ASTM F1487. AN ENERGY ABSORBING PROTECTIVE SURFACE IS REQUIRED UNDER & AROUND ALL PLAY SYSTEMS.	MMW200113A-1A-1		✓	COMPLIES TO CPSC	DESIGNED FOR AGES 2-12	DATE: 3/13/2020	
	GROUND SPACE: PROTECTIVE AREA:	N/A NOTED	✓	COMPLIES TO ASTM		SCALE: 1/8"=1'-0"	
			✓	COMPLIES TO ADA	TYPE: 0	QUANTITY: 0	BDS

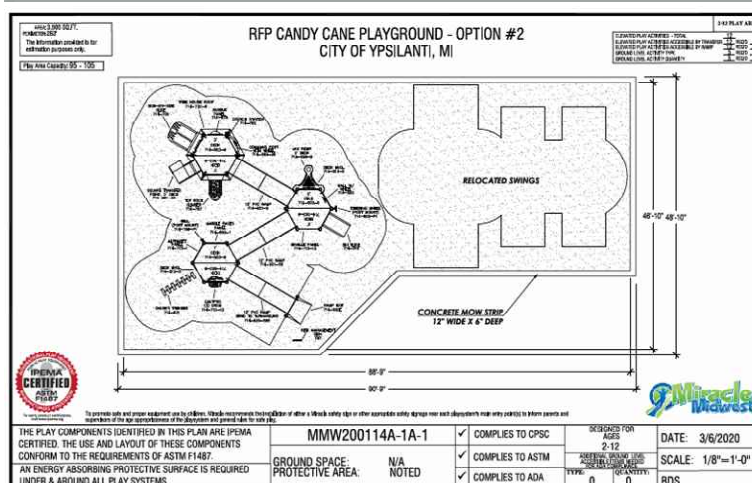
Option 2: 74,999.56

- Includes tot swing relocation
- Designed age range: 2-12
- Timeline: 5-6 weeks after signed contract & order
- Warranty: 1/3/5/8/10/15/lifetime warranty
- play equipment: 29906.80
 - o 12 events, 95-105 users

elevated	Accessible/ required	Ramp accessible/ required	Ground/ required	Ground types/ required
12	12/0	12/6	3/0	3/0



RFP Candy Cane Playground - Option #2 - View 4
City of Ypsilanti, MI
MMW200114A





Miracle Midwest
PO Box 130
Holly, MI 48442
1-800-722-8546
info@miraclemidwest.com

QUOTE: R0016200007
CUSTOMER: 4819B06
Quote Date: 3/16/2020
Valid For: 30 Days From Quote Date
DELIVERY TIME ARO: 5-7 weeks
(After Receipt of Order and Any Required
Approved Submittals, Drawings, and/or
Color Selections)

Prepared For:

City of Ypsilanti
1 South Huron
Ypsilanti, MI 48197

Project Name & Location:

Candy Cane Park Playground
802 Courtland St.
Ypsilanti, MI 48197
OPTION 2

Prepared by:

Kim Alexander
Miracle Midwest
Holly, MI 48442
(800) 722-8546 (phone)
info@miraclemidwest.com

OPTION 2

MMW200114A-1A - 2-12 STRUCTURE

Product line: KidsChoice

Age group: 2-12

Part Number	Description	Qty
7145039	1/2 HEX FULL DECK (ATTACHES TO 4 POSTS)	6
7145491	5" OD X 88" POST F/MAZE PANELS	6
714551	5" OD X 106" POST (2'6" DECKS OR LESS)	6
714555	5" OD X 76" POST FOR FENCING & PANELS	2
714572	5" OD X 144" POST FOR ROOF (3' DECKS OR LESS)	6
714631	CHUNKY TREKKER CLIMBER (FREESTANDING)	1
7146582	JAX RIZER TO DECK (1'6" & 2' DECKS)	1
714700	5' SIDE-BY-SIDE SLIDE W/CANOPY (3' DECK)	1
7147151	ALPHABET PANEL	1
71471512	BRAILLE PANEL	1
71471513	CALYPSO 3 DRUM PANEL	1
7147306	HEXAGON TREEHOUSE ROOF	1
714782	CRUNCH STATION	1
714787	TOT ROCK CLIMBER (3' DECK)	1
714796P1	BELL (POST MOUNT)	1
7148135	DECK ENCL FOR OVERHEAD CLIMBERS (ONLY)	2
71485139	SQUARE TRANSFER POINT W/CLOSED HR (3' DECK)	1
714875	BUBBLE PANEL	1
714900	WALL ENCLOSURE W/STEERING WHEEL	1
714900P1	STEERING WHEEL (POST MOUNT)	1
714910	4' SKI SLIDE (2' DECK)	1
714920595	12' RAMP GRND TO DECK 1:12, W/OUT PST, OPN HR	1
714920E	ADA RAMP EXTENSION INCLINED (LARGE)	1
71492159	12' RAMP DECK TO DECK 1:12, OPEN HNDRL	1
7149219	12' RAMP DECK TO DECK 1:12	1
7149831	MARBLE RACE PANEL	1
71499226	COMMAND POST W/WHEEL	1
787Z	RISK MANAGEMENT SIGN - ENGLISH (NO PRICE)	1
714999Z	CUSTOMER SERVICE KIT (NO PRICE)	1

Equipment Price: \$29,906.80

ENGINEERED WOOD FIBER

175CY ENGINEERED WOOD FIBER SAFETY SURFACING

\$ 3,000.00

Continued to next page...

INSTALLATION

INSTALL

INSTALLATION SERVICES INCLUDE:

- DEMOLITION, REMOVE, LOAD AND HAUL OFF EXISTING PLAY STRUCTURE AND CONCRETE FOOTINGS
- LOAD AND HAUL OFF SITE EXISTING ENGINEERED WOOD FIBER
- EXCAVATE APPROXIMATELY 58' X 54' 12" DEPTH
SEPARATE TOPSOIL FROM SUBSOIL WHERE POSSIBLE
USE EXCAVATED MATERIAL AS FILL MATERIAL
- LEVEL SOIL, ROUGH GRADE IN PREPARATION FOR RESTORATION WORK
- INSTALL EQUIPMENT SHOWN IN MMW200114A PER MANUFACTURER SPECIFICATIONS
- ACCEPT DELIVERY OF EQUIPMENT SHOWN IN MMW200114A, UNLOAD AND STORE ON JOB SITE
- SUPPLY AND INSTALL SINGLE LAYER GEOTEXTILE FABRIC
- INSTALL ENGINEERED WOOD FIBER SAFETY SURFACING
- TURF RESTORATION
- INSTALL CONCRETE MOW STRIP AS SPECIFIED 12" X 6"
- RELOCATE SWINGS

Install Price: \$37,847.50

Totals:

SubTotal: \$70,754.30

Estimated Sales Tax 6%: \$ 4,245.26

Grand Total: \$74,999.56

**NO ORDERS WILL BE PLACED WITHOUT A SIGNED QUOTATION AND/OR PURCHASE ORDER.
ORDERS OVER \$5,000 WILL REQUIRE A SIGNED PURCHASE ORDER BEFORE THEY WILL BE PLACED.**

PLEASE NOTE THE FOLLOWING:

- ✓ Sales tax on this quote is only an estimate. Final sales tax will be added to your invoice if a current state sales tax exemption certificate is not on file in our office.
- ✓ A Miracle Credit Application may be required and must be completed and returned before your order is placed. If credit is not issued, Cash in Advance is required with order.
- ✓ **ORDERS OVER \$10,000.00 MAY REQUIRE 50% DEPOSIT BEFORE ORDER IS RELEASED.**
- ✓ **See top of quote for terms.**
- ✓ This quote is to supply the equipment listed above only. Any other contractual requirements/needs are the responsibility of the contractor.
- ✓ PLEASE provide 4-5 sturdy adults or appropriate unloading equipment to unload your equipment
- ✓ Due to fluctuating fuel and steel prices, quotes are valid for only 30 days. After 30 days, cost is only an estimate and actual charges may differ.
- ✓ Price was quoted site unseen, it assumes the site is reasonably flat
- ✓ Please add Sales Tax, if appropriate, or fax a copy of your Tax Exempt Certificate with Order
- ✓ THIS QUOTE **DOES NOT** INCLUDE:
 - ✓ Equipment, Services, Materials not specifically noted above
 - ✓ Removal of soils/excess excavated materials from site
 - ✓ Drainage materials/Installation of drainage materials
 - ✓ Dewatering/excess water removal from footings, excavations, or any other installation processes where excess water may be present
 - ✓ Accessible route to new play area
 - ✓ Any permits, if required
 - ✓ Repair of any utilities/irrigation system not marked by Miss Dig or owner
 - ✓ Testing of soil conditions
 - ✓ Prevailing Wage or union/labor wages
 - ✓ Bid/Performance/Labor/Material Bonds

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RFP Candy Cane Playground - Option #2 - View 1
City of Ypsilanti, MI
MMW200114A





RFP Candy Cane Playground - Option #2 - View 2
City of Ypsilanti, MI
MMW200114A





RFP Candy Cane Playground - Option #2 - View 3
City of Ypsilanti, MI
MMW200114A





RFP Candy Cane Playground - Option #2 - View 4
City of Ypsilanti, MI
MMW200114A



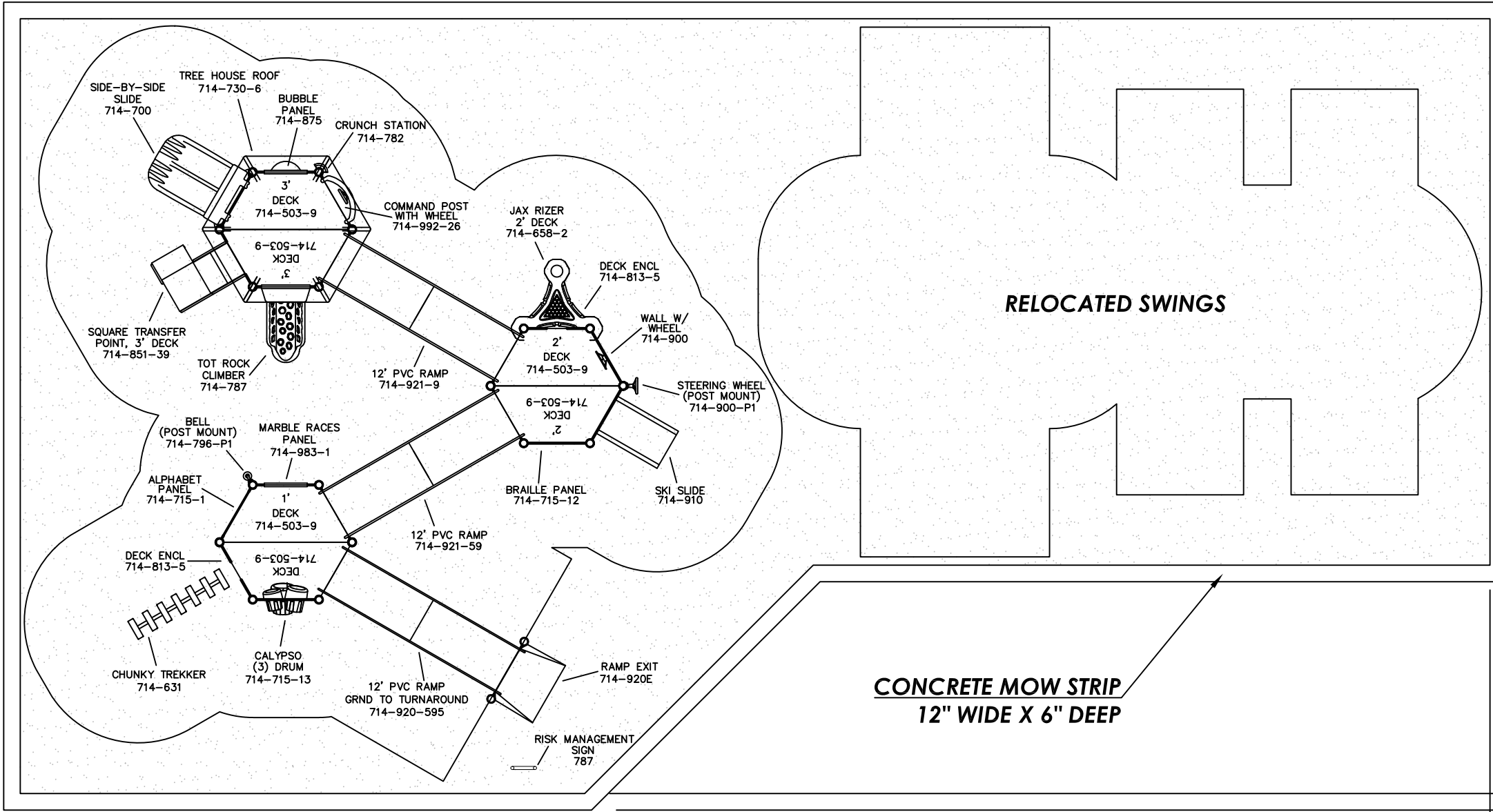
AREA: 3,500 SQ.FT.
PERIMETER: 263'
The information provided is for
estimation purposes only.

Play Area Capacity: 95 - 105

RFP CANDY CANE PLAYGROUND - OPTION #2
CITY OF YPSILANTI, MI

2-12 PLAY AREA

ELEVATED PLAY ACTIVITIES - TOTAL	12	
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER	12	REQ'D 0
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP	12	REQ'D 6
GROUND LEVEL ACTIVITY TYPE	3	REQ'D 0
GROUND LEVEL ACTIVITY QUANTITY	3	REQ'D 0



46'-10" 48'-10"

88'-9"

90'-9"

CONCRETE MOW STRIP
12" WIDE X 6" DEEP



To promote safe and proper equipment use by children, Miracle recommends the installation of either a Miracle safety sign or other appropriate safety signage near each playsystem's main entry point(s) to inform parents and supervisors of the age appropriateness of the playsystem and general rules for safe play.

THE PLAY COMPONENTS IDENTIFIED IN THIS PLAN ARE IPEMA
CERTIFIED. THE USE AND LAYOUT OF THESE COMPONENTS
CONFORM TO THE REQUIREMENTS OF ASTM F1487.

AN ENERGY ABSORBING PROTECTIVE SURFACE IS REQUIRED
UNDER & AROUND ALL PLAY SYSTEMS.

MMW200114A-1A-1
GROUND SPACE: N/A
PROTECTIVE AREA: NOTED

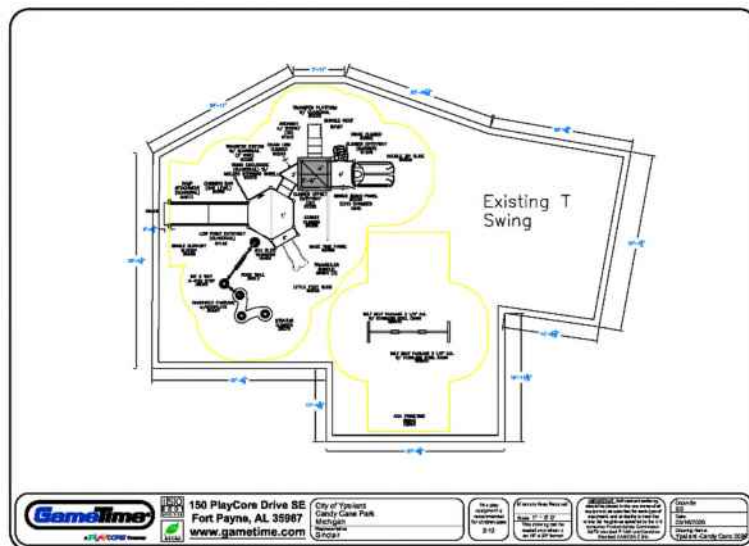
- ✓ COMPLIES TO CPSC
- ✓ COMPLIES TO ASTM
- ✓ COMPLIES TO ADA

DESIGNED FOR AGES 2-12	
ADDITIONAL GROUND LEVEL ACCESSIBLE ITEMS NEEDED FOR ADA COMPLIANCE	
TYPE: 0	QUANTITY: 0

DATE: 3/6/2020
SCALE: 1/8"=1'-0"
BDS

Total: \$75,000

- Moves near existing tot swing (top of hill)
- Designed age range: 2-12
- Timeline: Begin 45 days after order, complete 2 weeks after that
- Warranty:
- Play equipment: 33886.00





GameTime c/o Sinclair Recreation
PO Box 1409
Holland, MI 49422-1409
Ph: 800-444-4954
Fax: 616-392-8634

03/12/2020
Quote #60421-01-02

City of Ypsilanti - Candy Cane Park

CITY OF YPSILANTI
Attn: Christopher Jacobs
1 S HURON ST
YPSILANTI, MI 48197-5420
cjacobs@cityofypsilanti.com

Ship to Zip 48197

Quantity	Part #	Description	Unit Price	Amount
1	RDU	GameTime - Custom Ramped Play Structure	\$47,989.00	\$47,989.00
		(3) 26094 -- Triangular Shroud		
		(1) 90466 -- Maze Panel, Above Dk		
		(1) 90478 -- Rung Encl Mold S. Whl & Gr, Above Dk		
		(1) 91209 -- Climber Entryway - Barrier		
		(1) 90592 -- Ridge Climber (Single)		
		(1) 4842 -- Echo Chamber Ass'Y		
		(1) 90430 -- Decorative Panel W/Gizmo, Above Dk		
		(1) 91335 -- Climber Offset Entryway (3D)		
		(1) 90058 -- 6' Cosmix Climber		
		(1) 90508 -- 4' Double Zip Slide, Std Dk		
		(1) 16700 -- Ada49"Sq Punch Steel Deck		
		(1) 80687 -- Handhold/Kick Plate Pkg		
		(1) 90530 -- 2'2"-6" Little Foot Slide W/Encl		
		(1) 16465 -- Slide Transfer (Ada)		
		(1) 81656 -- 1-Level Chin Bar		
		(1) 36076 -- Stratus Climber		
		(1) 36022 -- 90 Deg 2 Way X-Pod Step		
		(1) 36013 -- Rock Wall Link		
		(1) 36020 -- Single Upright Support W/Step		
		(1) 16806 -- Ada 6"Stepped Platform		
		(1) 80187 -- Shingle Roof		
		(1) 90033 -- 4' Transfer Platform W/Guardrail		
		(1) 91010 -- Archway W/ Socket (3D)		
		(1) 90243 -- 3' & 3'-6" Chain Link Climber		
		(1) 91145 -- Low Point Entryway - Guardrail		
		(1) 90026 -- 2'-0" Transfer System W/ Guardrail		
		(1) 16701 -- Ada 49"Tri Punch Steel Dk		
		(1) 90673 -- Ramp (Guardrail)		
		(1) 90005 -- Two Piece Hex Deck, Ada Ramp Access		
		(3) G90265 -- 7' Upright, Galv		
		(2) 90264 -- 6' Upright, Alum		
		(1) 90267 -- 9' Upright, Alum		



A PLAYCORE Company

GameTime c/o Sinclair Recreation
PO Box 1409
Holland, MI 49422-1409
Ph: 800-444-4954
Fax: 616-392-8634

03/12/2020
Quote #60421-01-02

City of Ypsilanti - Candy Cane Park

Quantity	Part #	Description	Unit Price	Amount
		(2) 90266 -- 8' Upright, Alum		
		(4) 90272 -- 14' Upright, Alum		
		(2) G90262 -- 4' Upright, Galv		
		(2) G90266 -- 8' Upright, Galv		
		(2) 90268 -- 10' Upright, Alum		
1	RDU	GameTime - One Bay Primetime Swing and Seat Packages	\$1,831.00	\$1,831.00
		(2) SS8910 -- Belt Seat 3 1/2" /8' W/Clevis		
		(1) 12583 -- Ada Primetime Swing Frame, 3 1/2" Od		
2810	GTIMPX	GT-Impax - SF 12" Engineered Wood Fiber	\$1.20	\$3,372.00
2	161290	GameTime - Geo-Textile 2250 Sqft Roll	\$681.00	\$1,362.00
1	INSTALL	Installation - Installation of New Equipment, EWF, Felt, Excavation, Removal of Old, and Concrete Mow Strip	\$36,633.00	\$36,633.00
			Sub Total	\$91,187.00
			Grant	(\$19,559.51)
			Freight	\$3,372.51
			Total	\$75,000.00

This quotation is subject to policies in the current GameTime Playground Catalog and the following terms and conditions. Our quotation is based on shipment of all items at one time to a single destination, unless noted, and changes are subject to price adjustment. Purchases to be supported by your written purchase order made out to GAMETIME C/O SINCLAIR RECREATION.

NOTE: PRICING DOES NOT INCLUDE ANY DAVIS BACON OR PREVAILING WAGE RATES UNLESS SPECIFICALLY IDENTIFIED ABOVE IN QUOTE.

Pricing: f.o.b. factory, firm for 30 days from date of quotation unless otherwise noted on quotation. Sales tax will be added at time of invoicing unless a tax exemption certificate is provided at time of order entry.

Payment terms: Net 30 days for tax supported governmental agencies. A 1.5% per month finance charge will be imposed on all past due accounts. Equipment shall be invoiced separately from other services and shall be payable in advance of those services and project completion. Retainage not accepted.

Shipment: Order shall ship within 30-45 days after GameTime's receipt and acceptance of your purchase order, color selections, approved submittals, and receipt of deposit, if required.

NOTE: To qualify for the GameTime Grant, you must complete the application form for pre-approval. Upon approval, a Partial Matching Grant (reflected in the pricing shown above) is good toward the purchase of a new Powerscape, PrimeTime, XScape or Ionix Structure only. The order MUST be received no later than October 30, to allow for processing, and your order will ship within 3-5 weeks from date of order placement. The Grant does not apply toward Freight, Freestanding Items, Surfacing or Installation. Terms will be Net 30 days.



City of Ypsilanti
Candy Cane Park
Michigan
Representative
Sinclair

Minimum Area Required:

Scale: 1" = 5'-0"

This drawing can be scaled only when in an 18" x 24" format

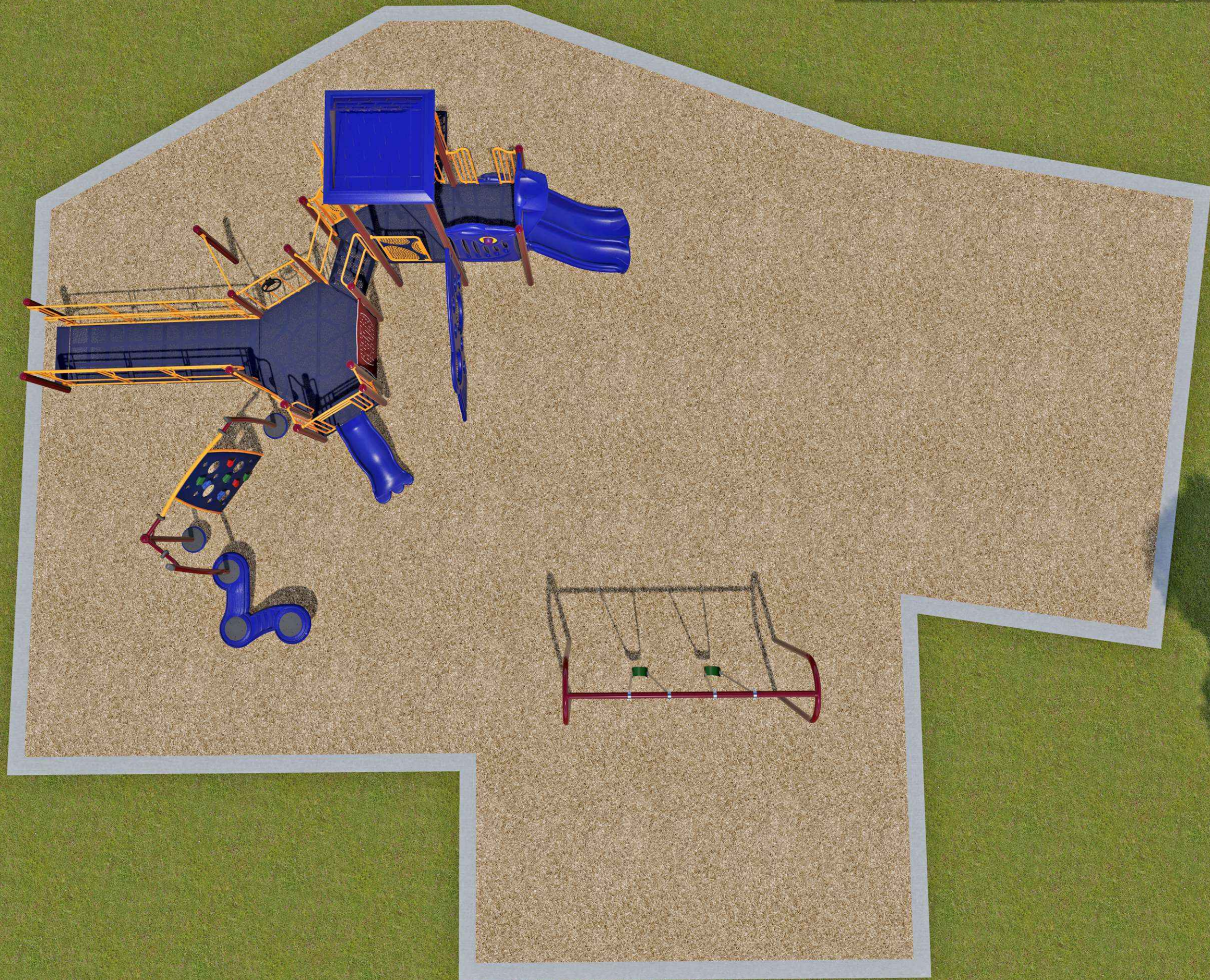
Drawn By:	SS
Date:	03/16/2020
Drawing Name:	Ysilianti-Candy Cane 2020 2





Rendered in Jellybean Palette

City of Ypsilanti
Candy Cane Park 2020



Rendered in Jellybean Palette

[illegible]

YPSILANTI CANDY CANE PARK SITE PLAN

OPTION #2 SITE PLAN Not to Scale

ADA ACCESSIBILITY GUIDELINE - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
13	13/7	9	6/0	3/3

R5

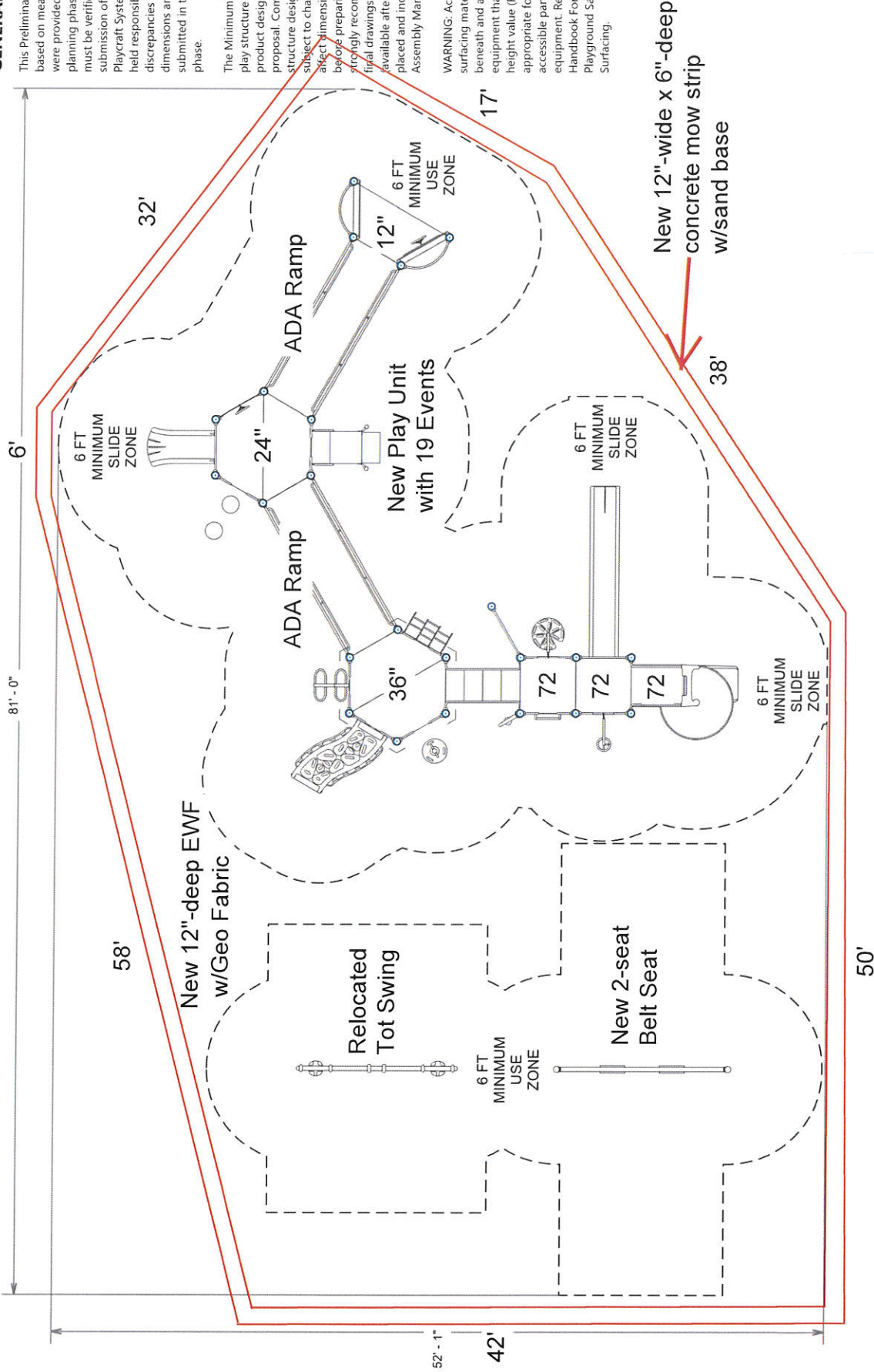
FOR KIDS
AGES
[Mixed]

GENERAL NOTES:

This Preliminary Site Plan is based on measurements that were provided in the initial planning phase. All dimensions must be verified prior to the submission of a purchase order. Playcraft Systems will not be held responsible for any discrepancies between actual dimensions and dimensions submitted in the planning phase.

The Minimum Use Zone for a play structure is based on the product design at the time of proposal. Components and structure designs may be subject to change which may affect dimensions. Therefore, before preparing the site, we strongly recommend obtaining final drawings from the factory available after the order is placed and included in the Assembly Manual).

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC's Handbook For Public Playground Safety, Section 4: Surfacing.



PROJECT#: PEI201A93DA-3

DATE: 3/13/2020

DRAWN BY: Derick & Mike Wood

USE ZONE: 81' x 53' Irregular

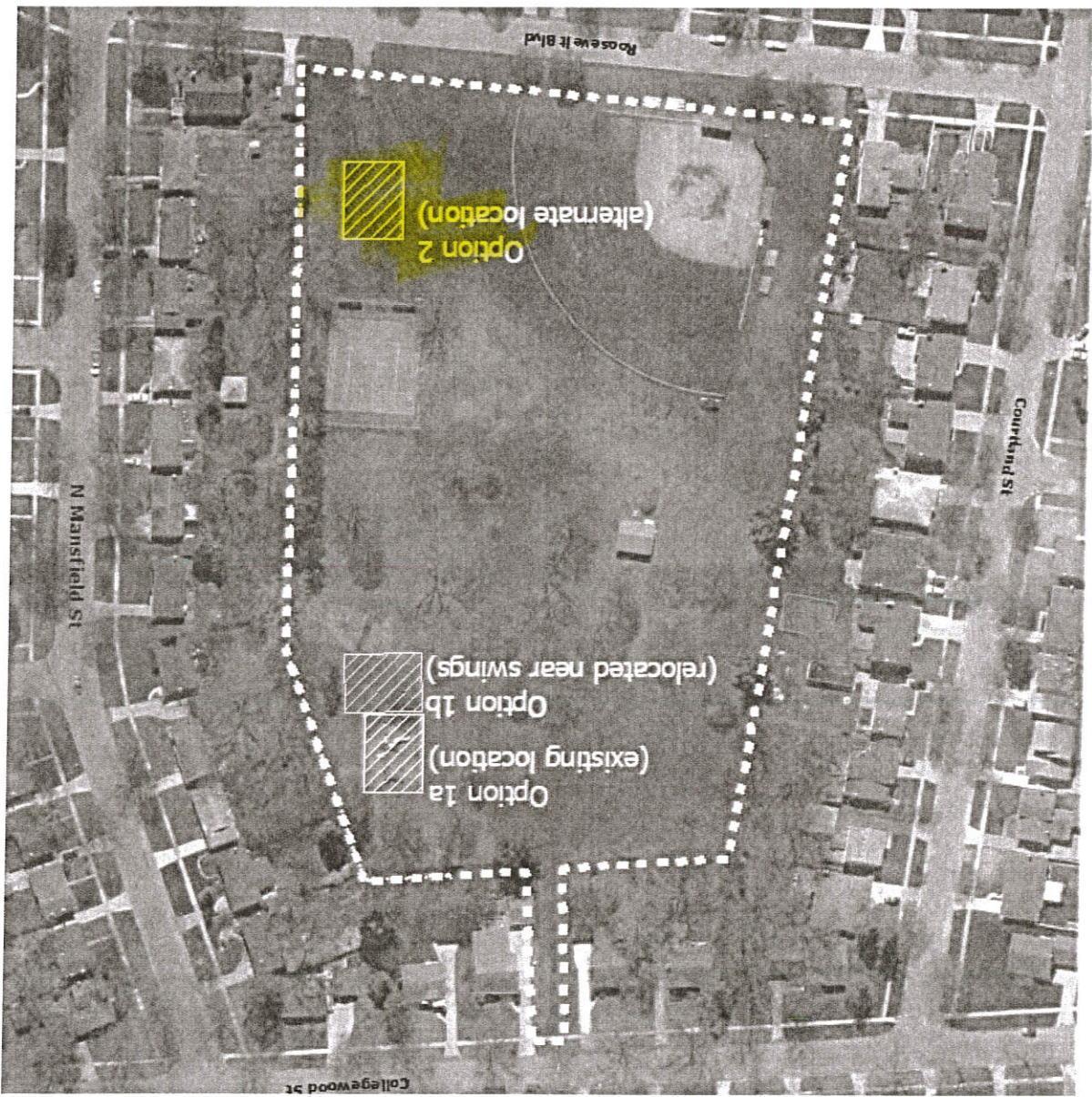
PLAYCRAFT REP:

Play Environments Design, LLC



LOCATIONS OF AREAS FOR OPTION 1a & OPTION 2

- Grading and excavation of up to 13 inches and compliant to make surface area accessible to meet 2010 DOJ ADA Standards and Design and to allow for installation of no less than 12 inches of Engineered Wood Fiber atop geotextile material.
- Installation of 12 inch wide concrete mow strip/edging around play area.
- Installation of Geo-Textile material in excavated area.
- Installation of no less than 12 inches of Engineered Wood Fiber within play area.
- Provide supervision and final inspection by a Certified Playground Safety Inspector.



Project Schedule and Completion Period:

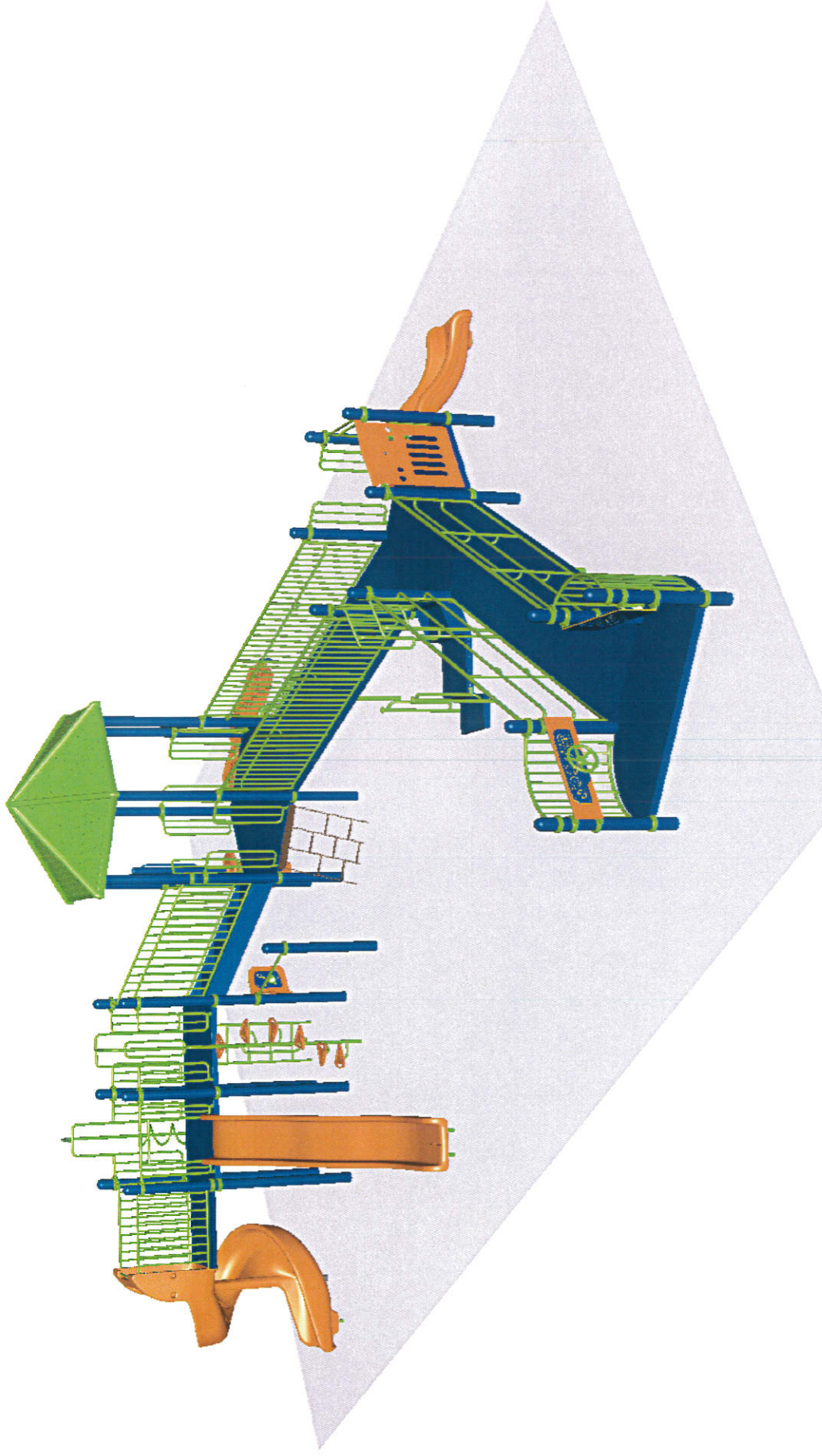
The project shall be completed before June 26, 2020.

YPSILANTI CANDY CANE PARK
SW VIEW

R5

FOR KIDS
AGES
2-12

OPTION #2



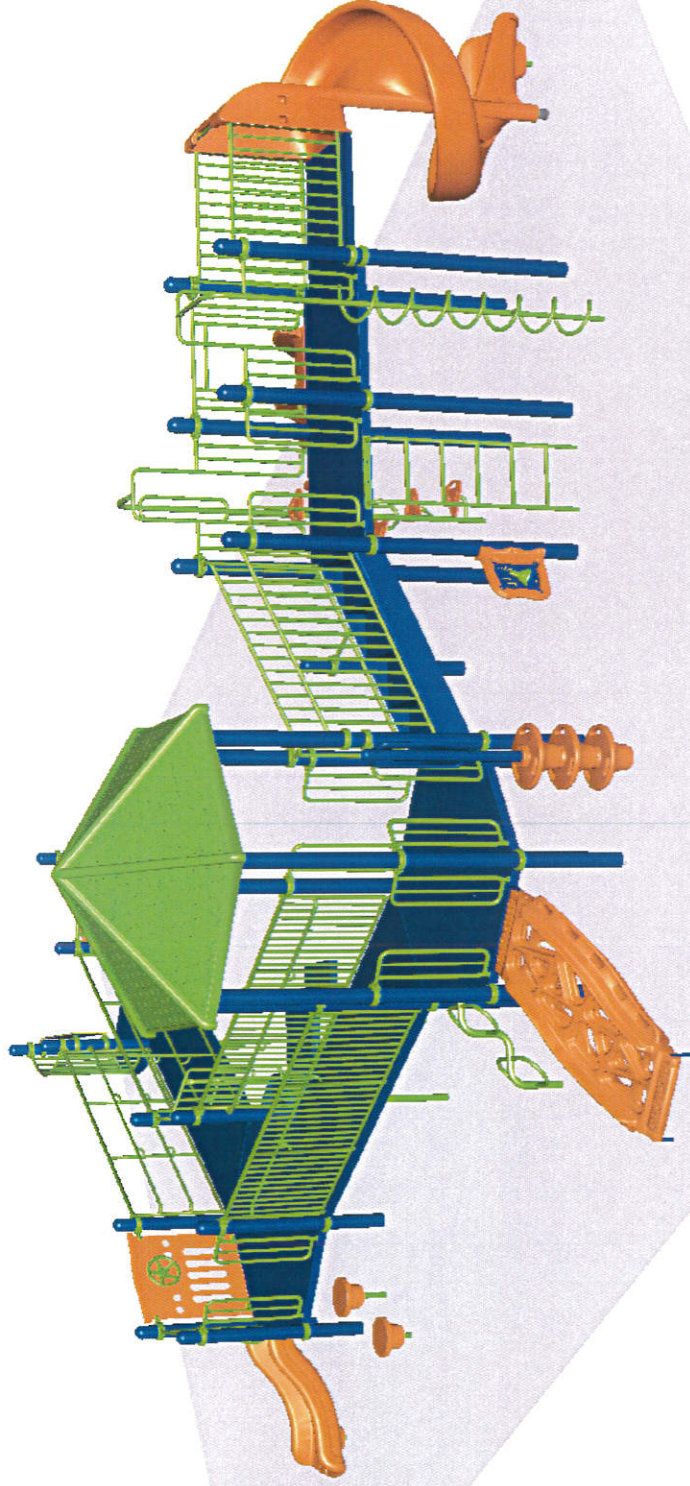
STRUCTURE#: R50D975AA
PROJECT#: PEI201A93DA-3
DATE: 3/13/2020 | DRAWN BY: Derick

YPSILANTI CANDY CANE PARK
NE VIEW

FOR KIDS
AGES
2-12

R5

OPTION #2



STRUCTURE#: R50D975AA

PROJECT#: PEI201A93DA-3

DATE: 3/13/2020 | DRAWN BY: Derick



YPSILANTI CANDY CANE PARK

TOP VIEW

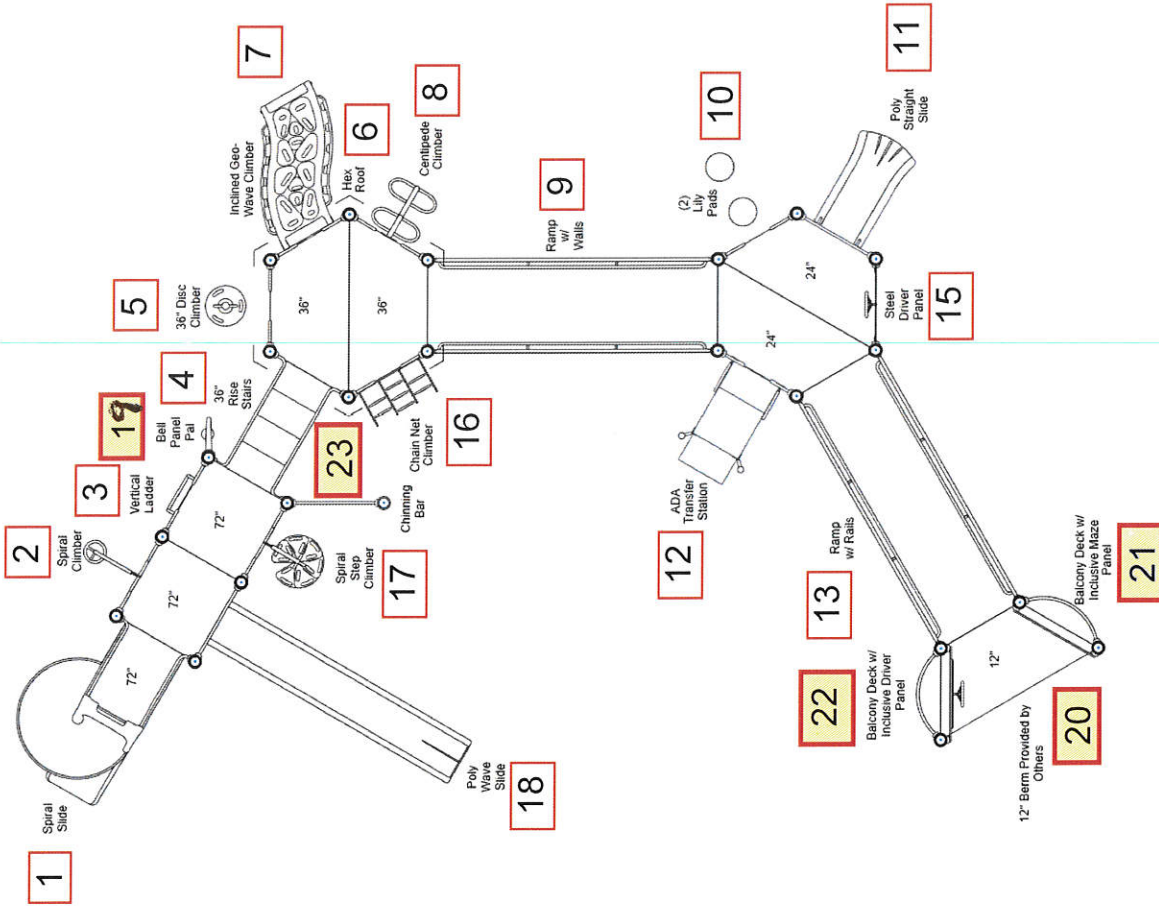
ADA ACCESSIBILITY GUIDELINE - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
13	13/7	9	2/0	2/3

OPTION #2

R5

FOR KIDS
AGES
2-12



GENERAL NOTES:

This conceptual plan is based on information provided prior to construction. Detailed site information, including the following, should be obtained, evaluated, and utilized in the final project design. Exact site dimensions, topography, existing utilities, soil conditions and drainage solutions.

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC's Handbook For Public Playground Safety, Section 4: Surfacing.

STRUCTURE#: R50D975AA

PROJECT#: PEI201A93DA-3

DATE: 3/13/2020 | DRAWN BY: Derick

MIN. USE ZONE: 42' x 57'

PLAYCRAFT REP:

Play Environments Design, LLC



Ypsilanti Candy Cane Park Play Structure Components

Additional Components included in Option 2



Op 2 #19 Bell Panel Pal, ground level



Op 2 #20 Half Hex Deck



Op 2 #21 Balcony Deck with Inclusive Maze Panel



Op 2 #22 Balcony Deck with Inclusive Driver Panel (#16 Driver Panel will be mounted to the Balcony Deck in option 2, instead of at ground level)

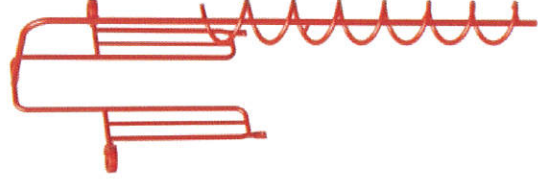
Ypsilanti Candy Cane Park Play Structure Components	Additional Components included in Option 2
 Op 2 #23 Chinning Bar, post-mounted at ground level	

Ypsilanti Candy Cane Park Play Structure Components

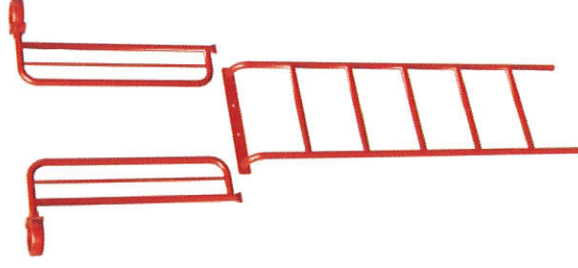
Option 2



1 Spiral Slide



2 Spiral Climber



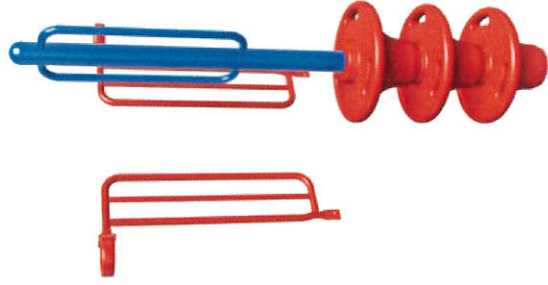
3 Vertical Ladder



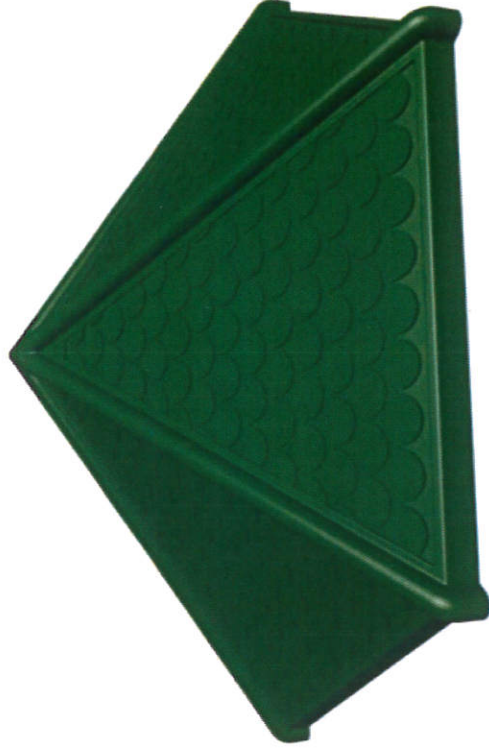
4 ADA Transfer Stairs with Walls, 36" rise

Ypsilanti Candy Cane Park Play Structure Components

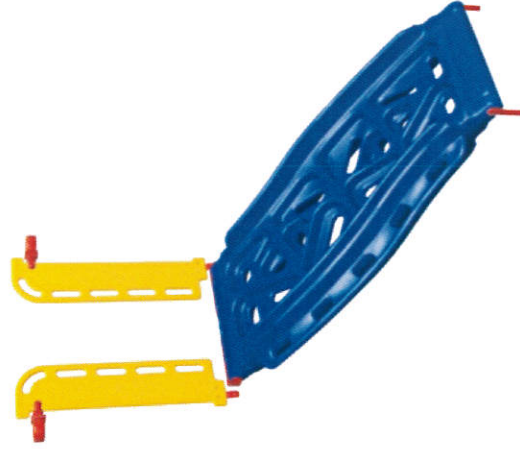
Option 2



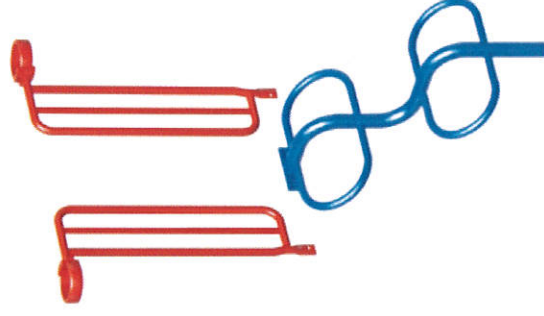
5 36" Disc Climber



6 Hex Roof



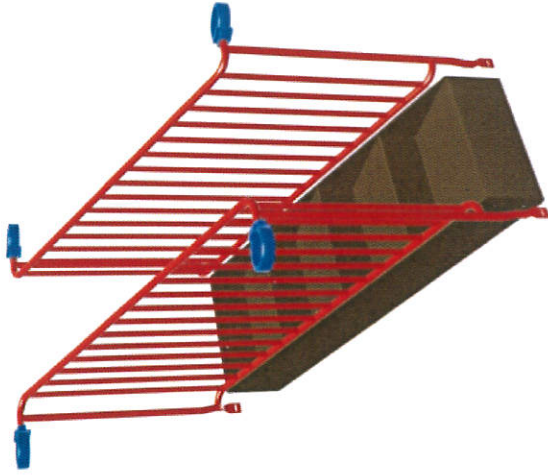
7 Inclined Geo Wave Climber



8 Centipede Climber

Ypsilanti Candy Cane Park Play Structure Components

Option 2

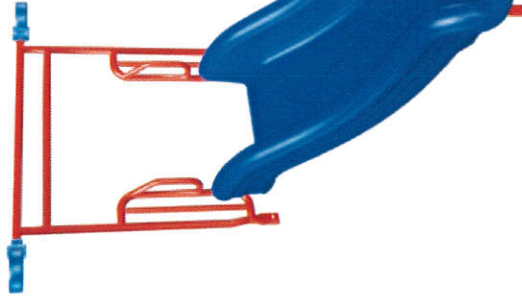


9 ADA Ramp with barrier walls 36"

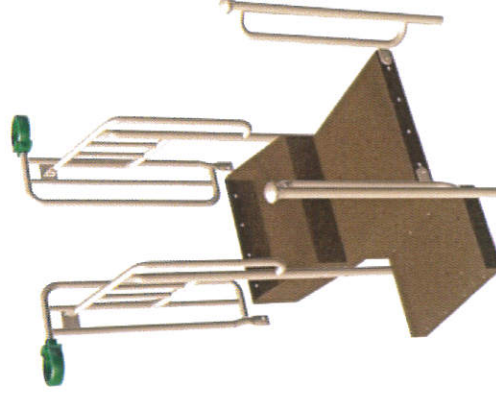


QTY: 2

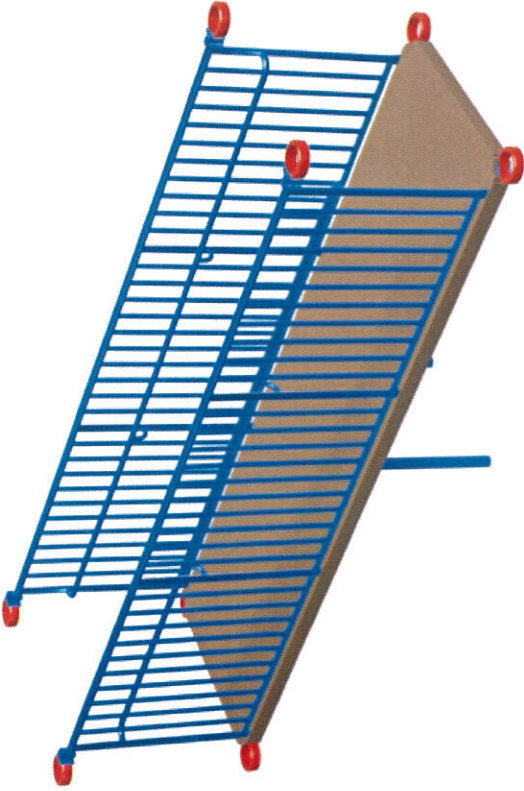
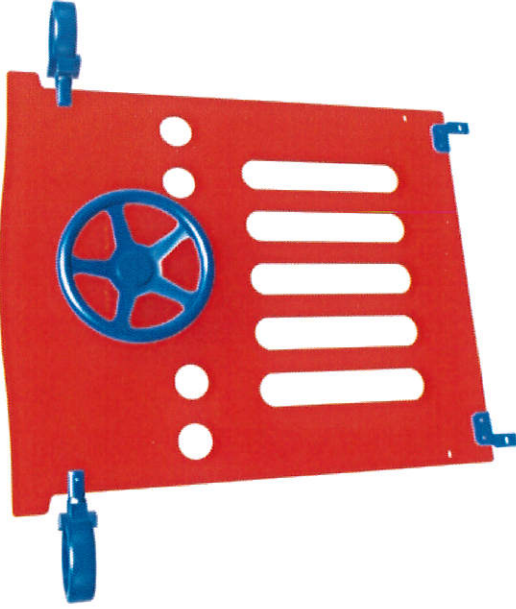
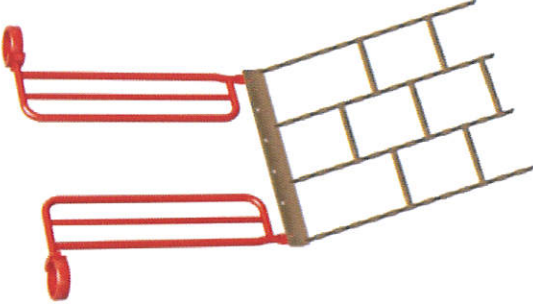
10 Lily Pads (qty 2)



11 Straight Slide, 24" high



12 ADA Transfer Station, 24"

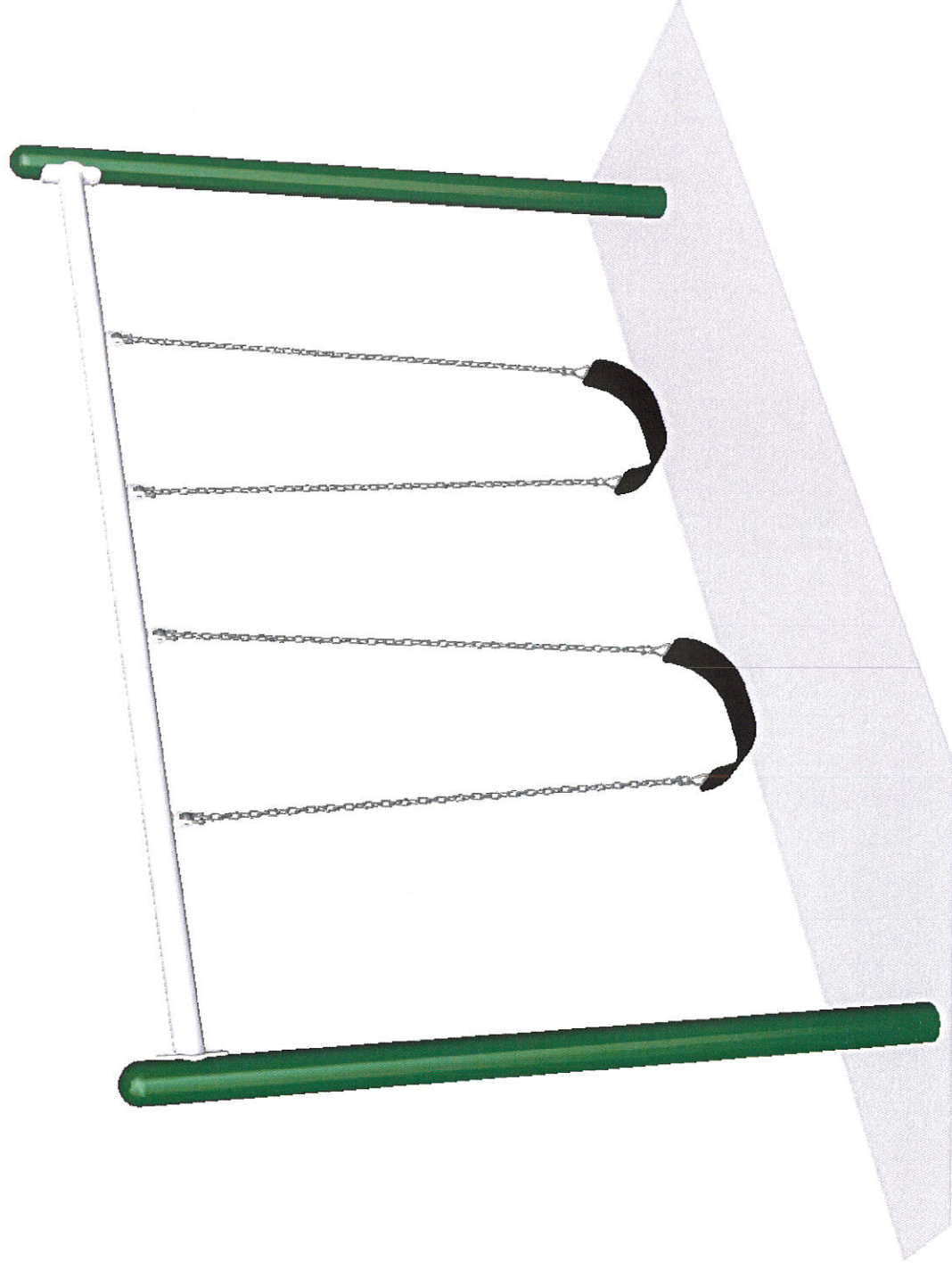
Ypsilanti Candy Cane Park Play Structure Components	Option 2
 13 ADA Ramp with Rails 24"	14 Ground-mounted inclusive steering wheel is part of option 1A; for option 2, the inclusive steering wheel is mounted to a balcony deck, as shown in item #22
 15 Steel Guard Rail with Steering Wheel	 16 Chain Net

Ypsilanti Candy Cane Park Play Structure Components	Option 2
The image shows a red metal frame for a spiral step climber. It features a central vertical post with several horizontal rungs. Blue handholds and foot loops are attached to the rungs, designed for children to climb. The structure is shown from a side-on perspective. 17 Spiral Step Climber	The image shows a blue wave-shaped slide. It has a yellow platform at the top where children would sit. The slide itself is blue with a wavy design. An orange safety mat is visible on the slide's surface. The structure is supported by red metal posts. 18 Wave Slide, 72" high

YPSILANTI CANDY CANE PARK
SW VIEW

OPTION #2

FOR KIDS
AGES
5-12



STRUCTURE#: FREPC2181
PROJECT#: PEI201A93DA-3
DATE: 3/13/2020 | DRAWN BY: Derick

YPSILANTI CANDY CANE PARK
TOP VIEW

OPTION #2

ADA ACCESSIBILITY GUIDELINE - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
0	0/0	0	2/0	1/0

FOR KIDS
AGES
5-12

GENERAL NOTES:

This conceptual plan is based on information provided prior to construction. Detailed site information, including the following, should be obtained, evaluated, and utilized in the final project design. Exact site dimensions, topography, existing utilities, soil conditions and drainage solutions.

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC's Handbook For Public Playground Safety, Section 4: Surfacing.

PC 2181-8
8FT
SINGLE
POST
SWING
(2B)



STRUCTURE#: FREPC2181

PROJECT#: PEI201A93DA-3

DATE: 3/13/2020 | DRAWN BY: Derick

MIN. USE ZONE: 25' x 31'

PLAYCRAFT REP:

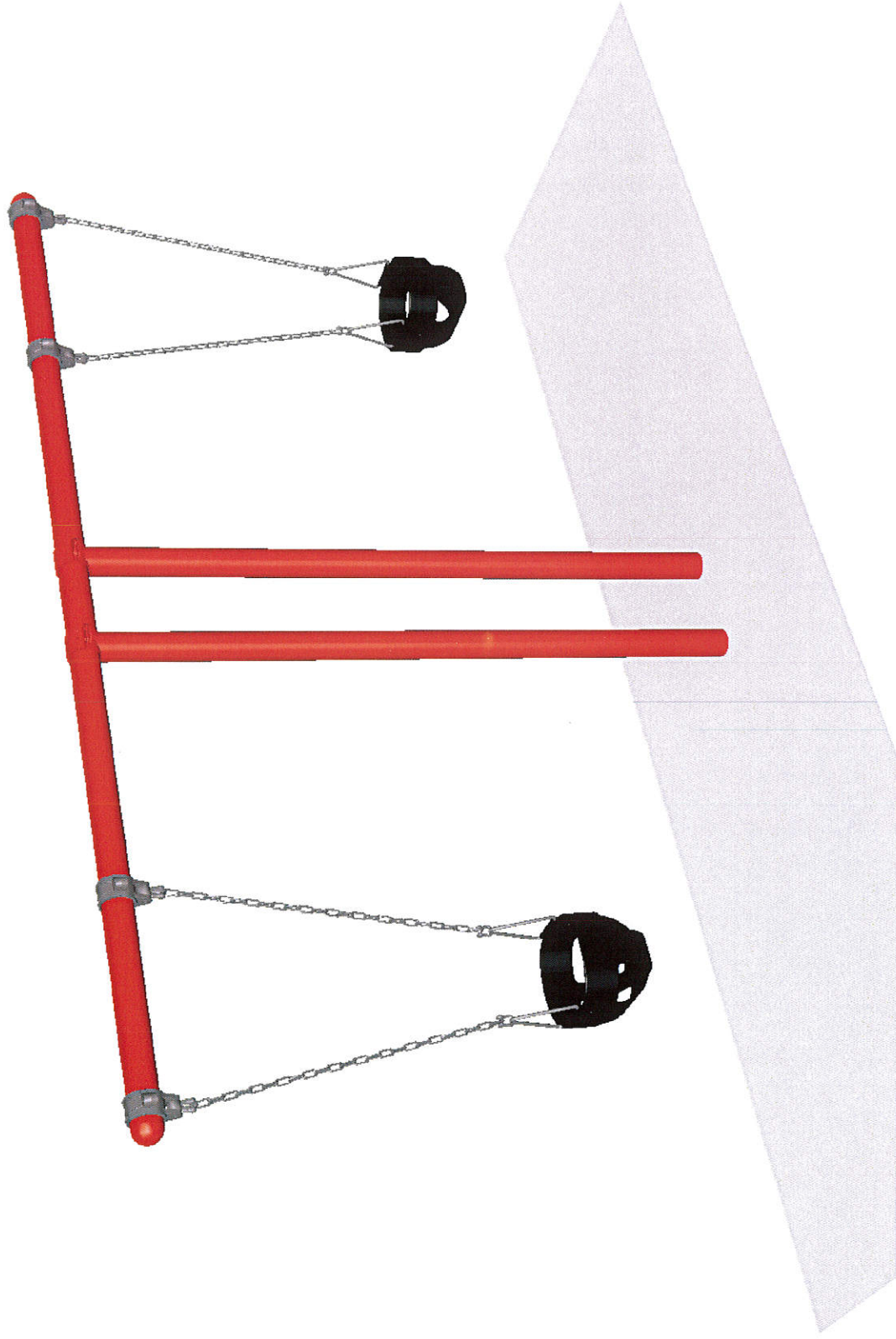
Play Environments Design, LLC



YPSILANTI CANDY CANE PARK
SW VIEW

Existing Tot Swing to be
Removed and Relocated

FOR KIDS
AGES
2-5



STRUCTURE#: FREPC2190
PROJECT#: PEI201A93DA-3
DATE: 3/13/2020 | DRAWN BY: Derick

YPSILANTI CANDY CANE PARK
TOP VIEW

Existing Tot Swing to be
Removed and Relocated

ADA ACCESSIBILITY GUIDELINE - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
0	0/0	0	2/0	1/0

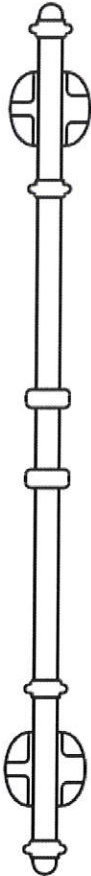
FOR KIDS
AGES
2-5

GENERAL NOTES:

This conceptual plan is based on information provided prior to construction. Detailed site information, including the following, should be obtained, evaluated, and utilized in the final project design. Exact site dimensions, topography, existing utilities, soil conditions and drainage solutions.

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PC 2190 T-SWING
(2FB)



STRUCTURE#: FREPC2190

PROJECT#: PEI201A93DA-3

DATE: 3/13/2020 | DRAWN BY: Derick

MIN. USE ZONE: 24' x 20'

PLAYCRAFT REP:

Play Environments Design, LLC





OPTION #2

Bill of Materials

Item	Description	Quantity
------	-------------	----------

R50D975AA		
HS-1004-R	Collars	58
GF-7002	Dome Cap, R5	17
S-1008-R5-08ft	Post, 08ft R5	5
S-1009-R5-09ft	Post, 09ft R5	6
S-1013-R5-13ft	Post, 13ft R5	6
S-1014-R5-14ft	Post, 14ft R5	6
S-1101-R5	Square Deck	2
S-1106-R5	Hex Deck, Half (4 Post)	5
S-1109-R5	Balcony Deck	2
S-1206-36R5	ADA Stairs, 36in Rise w/ Walls	1
S-1208-R-RAIL24	Ramp 144in (06-12in High w/ Rails, Inclined)	1
S-1208-R-WALL36	Ramp 144in (18-24in High w/ Walls, Inclined)	1
S-1209-12-HW-R5	Transfer Station, 24in-C (RHW)	1
S-1210-72	Climber, Vertical Ladder 66-72in	1
S-1220-3	Climber, Centipede 30-36in	1
S-1221-3	Climber, Chain Net 30-36in	1
S-1223-6R	Climber, Spiral 66-72in	1
S-1233-3-HW	Climber, Disc 30-36in (w/ HW)	1
S-1234-6R	Climber, Spiral Step 66-72in	1
S-1249-DGH	Climber, Incl. Geo-Wave 30-36in (Horiz, DTG Right)	1
S-1304-R5	Single Slide SitDown Wall	1
S-1309-2-R5	Half Walls (Pair) R5	6
S-1310-R5	Transition Wall	2
S-1414	Lily Pad Step 12-18in	2
S-1625-STL-R5	Driver Panel (Steel)	1



PLAYCRAFT
SYSTEMS[®]

OPTION #2

Bill of Materials
(continued)

Item	Description	Quantity
------	-------------	----------

S-1628-R5	Inclusive Panel, Driver	1
S-1661-R5	Panel Pal, Bell	1
S-1688-R5	Inclusive Panel, Maze	1
S-1701-2R5V2	Slide, Single 24-30in (Straight)	1
S-1704-6	Slide, Wave 72in (Single)	1
S-1706-R5	Slide, Spiral 72in	1
S-1803-R5	Roof, Hex	1
S-1930-R5	Chinning Bar	1
HS-1100-2	Deck to Deck Hardware	3
FREPC2181		
A2-2181-2B	PC 2181-8 8ft Single Post Swing (2B)	1
FREPC2190		
A2-2190	PC 2190 T-Swing (2FB)	0

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bond Number: 35413-BER-2019-210

Bid Bond

CONTRACTOR:

(Name, legal status and address)

Playcraft Systems, LLC
123 North Valley Drive
Grants Pass, OR 97526

SURETY:

(Name, legal status and principal place of business)

Berkley Insurance Company
475 Steamboat Road
Greenwich, CT 06830
State of Inc: Delaware

OWNER:

(Name, legal status and address)

City of Ypsilanti
One South Huron Street
Ypsilanti, MI 48197

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: Five Percent of Amount Bid (5%)

PROJECT:

(Name, location or address, and Project number, if any)

City of Ypsilanti Candy Cane Playground

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 3rd day of March, 2020

(Title)

Camille M. Cruz, Attorney in Fact

POWER OF ATTORNEY
BERKLEY INSURANCE COMPANY
WILMINGTON, DELAWARE

NOTICE: The warning found elsewhere in this Power of Attorney affects the validity thereof. Please review carefully.

KNOW ALL MEN BY THESE PRESENTS, that BERKLEY INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Delaware, having its principal office in Greenwich, CT, has made, constituted and appointed, and does by these presents make, constitute and appoint: *Camille M. Cruz of Marsh USA, Inc. of Sunrise, FL* its true and lawful Attorney-in-Fact, to sign its name as surety only as delineated below and to execute, seal, acknowledge and deliver any and all bonds and undertakings, with the exception of Financial Guaranty Insurance, providing that no single obligation shall exceed **Fifty Million and 00/100 U.S. Dollars (U.S.\$50,000,000.00)**, to the same extent as if such bonds had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office in their own proper persons.

This Power of Attorney shall be construed and enforced in accordance with, and governed by, the laws of the State of Delaware, without giving effect to the principles of conflicts of laws thereof. This Power of Attorney is granted pursuant to the following resolutions which were duly and validly adopted at a meeting of the Board of Directors of the Company held on January 25, 2010:

RESOLVED, that, with respect to the Surety business written by Berkley Surety, the Chairman of the Board, Chief Executive Officer, President or any Vice President of the Company, in conjunction with the Secretary or any Assistant Secretary are hereby authorized to execute powers of attorney authorizing and qualifying the attorney-in-fact named therein to execute bonds, undertakings, recognizances, or other suretyship obligations on behalf of the Company, and to affix the corporate seal of the Company to powers of attorney executed pursuant hereto; and said officers may remove any such attorney-in-fact and revoke any power of attorney previously granted; and further

RESOLVED, that such power of attorney limits the acts of those named therein to the bonds, undertakings, recognizances, or other suretyship obligations specifically named therein, and they have no authority to bind the Company except in the manner and to the extent therein stated; and further

RESOLVED, that such power of attorney revokes all previous powers issued on behalf of the attorney-in-fact named; and further

RESOLVED, that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any power of attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligation of the Company; and such signature and seal when so used shall have the same force and effect as though manually affixed. The Company may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Company, notwithstanding the fact that they may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, the Company has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunto affixed this 31st day of MAY, 2019.

Attest:

(Seal)

By Ira S.
Execu

WARNING: THIS POWER

STATE OF CONN

COUNTY OF FAI

Sworn to before me, a Notary Public, and Jeffrey M. Hafter who are respectively, of Berkley Insu

derman
sident,

I, the undersigned, Assistant Secretary, certify that the foregoing is a true, correct and complete copy of the original and that the authority of the Attorney is attached, is in full force and effect.
Given under my hand and seal this 31st day of May, 2019.

ing is a
scinded
power of

(Seal)

WARNING - Any unauthorized reproduction or alteration of this document is prohibited. This power of attorney is void unless seals are readable and the certification seal at the bottom is embossed. The background imprint, warning and verification instructions (on reverse) must be in blue ink.

PROPOSAL FORM - SEE PAGE 2 PROPOSAL FORM FOR OPTION 2 AREA

Owner: City of Ypsilanti, a Michigan home rule city
One S. Huron Street
Ypsilanti, MI 48197

Firm Name: Playcraft Systems/ Play Environments Design (herein called "Bidder")

* a corporation organized and existing laws of the State of Michigan

* a partnership consisting of _____

* an individual trading as _____

By: Jared Blaszak

Title: Owner- Play Environments Design

Date: 3-14-2020

Pursuant to and in compliance with the Specifications dated February 17, 2020 and all Addenda as prepared by the Owner, we the undersigned, propose to furnish all labor, materials, equipment, and all things necessary to perform all the work associated with:

CITY OF YPSILANTI CANDY CANE PLAYGROUND

The undersigned as bidder declares that he/she has familiarized himself with the location of the proposed work and the conditions under which it must be performed, as well as the drawing and specifications which the undersigned acknowledges that he understands and accepts as adequate.

I. PROPOSAL (BASED BID):

The undersigned agrees to enter into an agreement with the Owner to complete the General Contract for the total price of:

Option 1A Seventy four thousand nine hundred ninty five and 00/100 Dollars (use words)
\$74,995.00 (Use numbers)

II. COST BREAKDOWN

- a. Play equipment: \$44,500
- b. Fall surfacing, concrete edging, geotextile: \$10,500
- c. Labor: \$11,695
- d. Other: \$8,300 PLM Bond, OCP, Demo and Site work

OPTION 2

PROPOSAL FORM

- PAGE 2 OF 2

Owner: City of Ypsilanti, a Michigan home rule city
One S. Huron Street
Ypsilanti, MI 48197

Firm Name: Playcraft Systems LLC/Play Environments Design LLC (herein called "Bidder")

* a corporation organized and existing laws of the State of Michigan

* a partnership consisting of _____

* an individual trading as _____

By: Jared Blaszak

Title: Owner- Play Environments Design

Date: 3-14-2020

Pursuant to and in compliance with the Specifications dated February 17, 2020 and all Addenda as prepared by the Owner, we the undersigned, propose to furnish all labor, materials, equipment, and all things necessary to perform all the work associated with:

CITY OF YPSILANTI CANDY CANE PLAYGROUND

The undersigned as bidder declares that he/she has familiarized himself with the location of the proposed work and the conditions under which it must be performed, as well as the drawing and specifications which the undersigned acknowledges that he understands and accepts as adequate.

I. PROPOSAL (BASED BID):

The undersigned agrees to enter into an agreement with the Owner to complete the General Contract for the total price of:

Option 2 Seventy four thousand nine hundred ninty four and 00/100 Dollars (use words)
\$74,994 (Use numbers)

II. COST BREAKDOWN

- a. Play equipment: \$48,394
- b. Fall surfacing, concrete edging, geotextile: \$9,600
- c. Labor: \$11,000
- d. Other: \$6000 OCP, Demo and Site work, PLM Bond

III. MATERIAL BRAND OR TYPE (Attached specs):

a. Play equipment :

Playcraft Systems

b. Fall surfacing, concrete edging, geotextile:

Engineered wood fiber

3500PSI, 6 sack Concrete Terra tex 4.5

c. Other:

Removing and relocating existing T swing

IV. WARRANTIES:

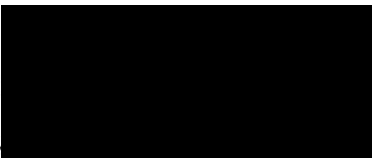
Playcraft Systems- see attached

V. PROPOSED STARTING DATE: 5-1-2020

VI. ESTIMATED COMPLETION DATE: 6-15-2020

VII. ATTACHMENTS:

- a. Reference list
- b. Equipment specification
- c. Any other information

Signature: 

Name: Jared Blaszak

Title: Owner - Play Environments Design

YPSILANTI CANDY CANE PARK SITE PLAN

OPTION #1A SITE PLAN Not to Scale

ADA ACCESSIBILITY GUIDELINE - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP	ACCESSIBLE	GROUND	TYPES
11	11/6	7	5/0	3/3	

R5

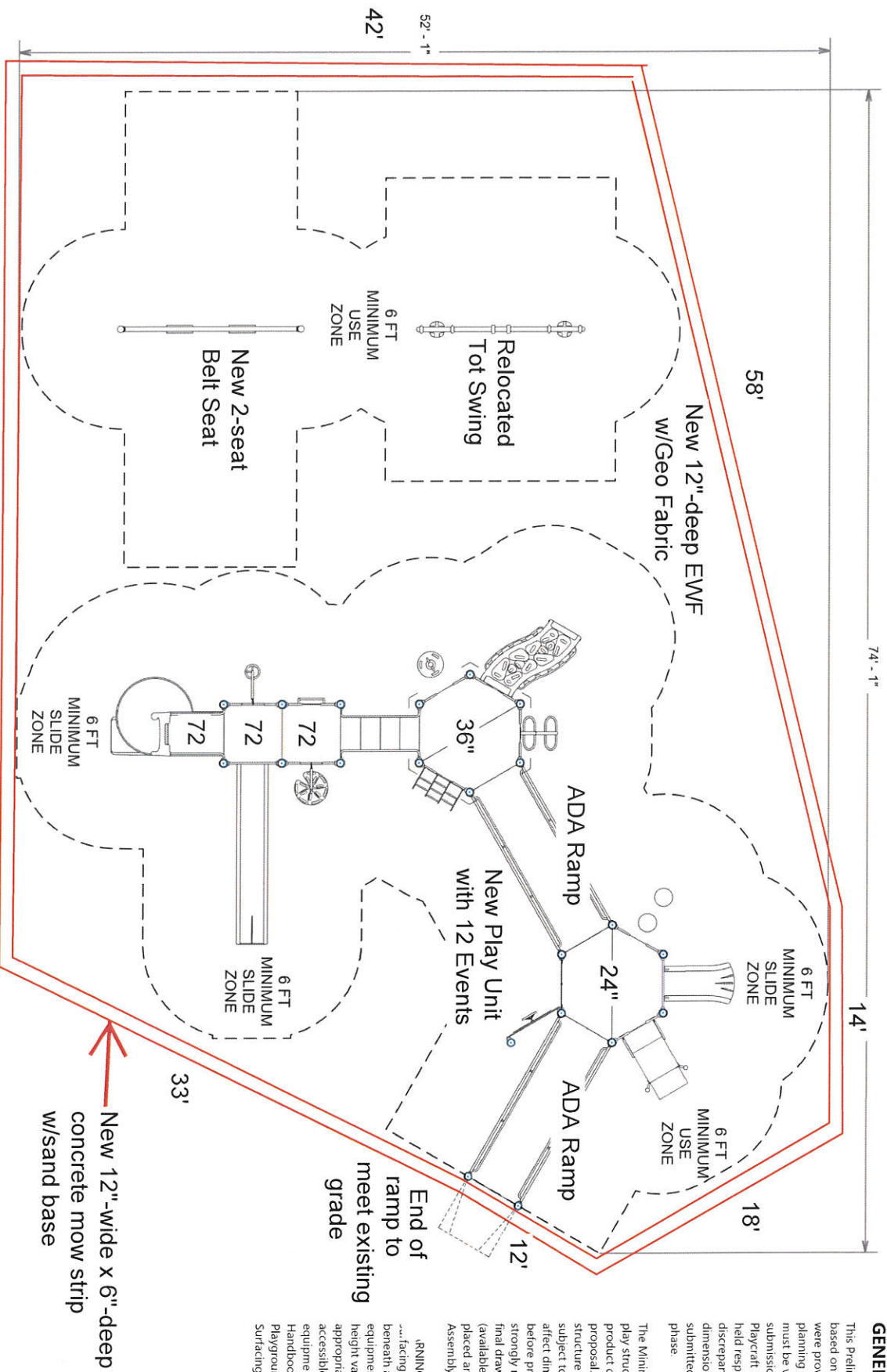
FOR KIDS
AGES
[Mixed]

GENERAL NOTES:

This Preliminary Site Plan is based on measurements that were provided in the initial planning phase. All dimensions must be verified prior to the submission of a purchase order. Playcraft Systems will not be held responsible for any discrepancies between actual dimensions and dimensions submitted in the planning phase.

The Minimum Use Zone for a play structure is based on the product design at the time of proposal. Components and structure designs may be subject to change which may affect dimensions. Therefore, before preparing the site, we strongly recommend obtaining final drawings from the factory (available after the order is placed and included in the Assembly Manual).

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC's Handbook For Public Playground Safety, Section 4: Surfacing.



New 12"-wide x 6"-deep
concrete mow strip
w/sand base

PROJECT#: PEI201A93DA-2
DATE: 3/13/2020 | DRAWN BY: Derick & Mike Wood

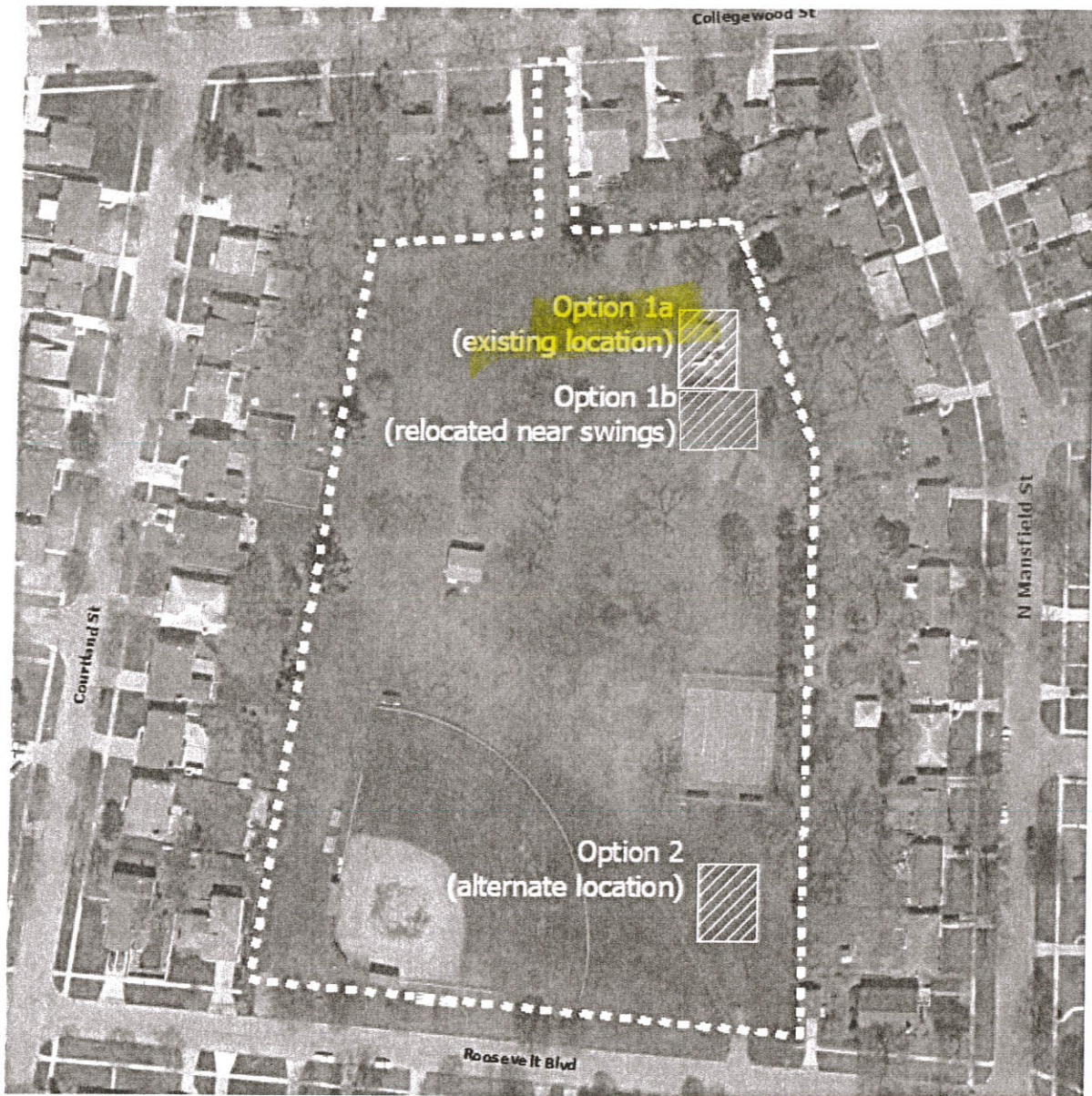
USE ZONE: 75' x 53' Irregular

PLAYCRAFT REP:
Play Environments Design, LLC



LOCATIONS OF AREAS FOR OPTION 1a { OPTION 2

- Grading and excavation of up to 13 inches and compliant to make surface area accessible to meet 2010 DOJ ADA Standards and Design and to allow for installation of no less than 12 inches of Engineered Wood Fiber atop geotextile material.
- Installation of 12 inch wide concrete mow strip/edging around play area.
- Installation of Geo-Textile material in excavated area.
- Installation of no less than 12 inches of Engineered Wood Fiber within play area.
- Provide supervision and final inspection by a Certified Playground Safety Inspector.



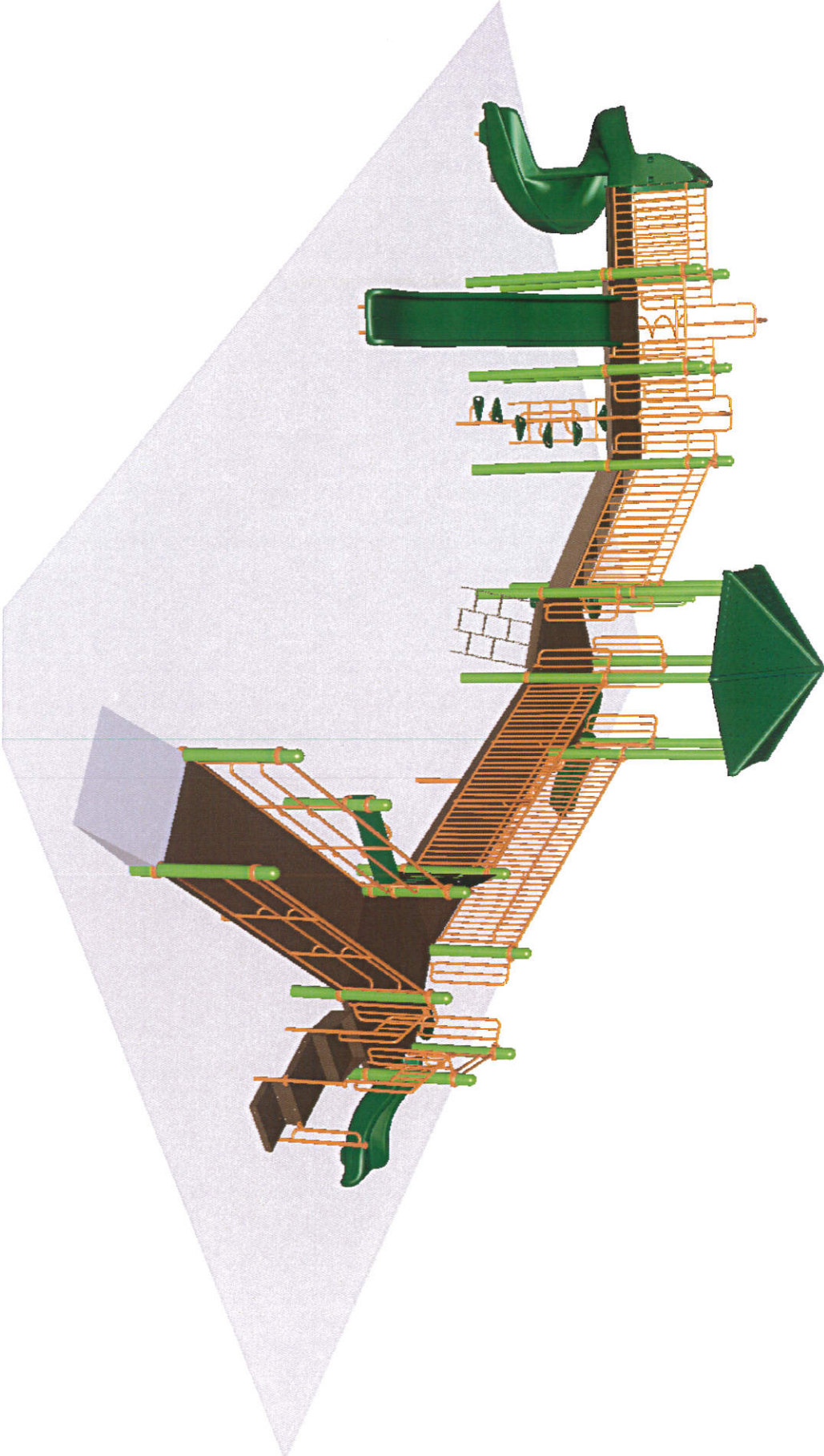
Project Schedule and Completion Period:

The project shall be completed before June 26, 2020.

YPSILANTI CANDY CANE PARK
SW VIEW

OPTION #1A

R5
FOR KIDS
AGES
2-12



STRUCTURE#: R5081F79A
PROJECT#: PEI201A93DA-2
DATE: 3/13/2020 | DRAWN BY: Derick

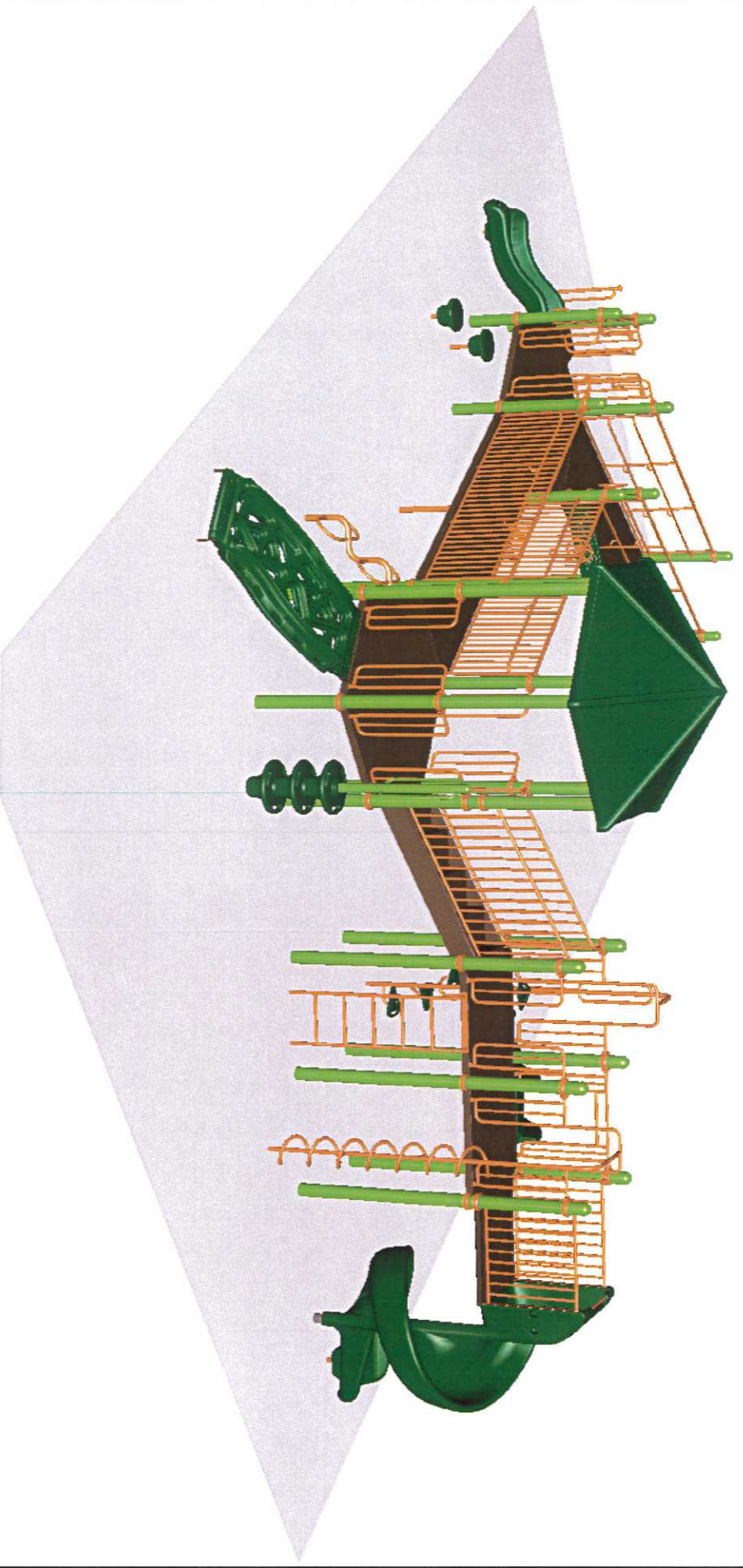


YPSILANTI CANDY CANE PARK
NE VIEW

OPTION #1A

R5

FOR KIDS
AGES
2-12

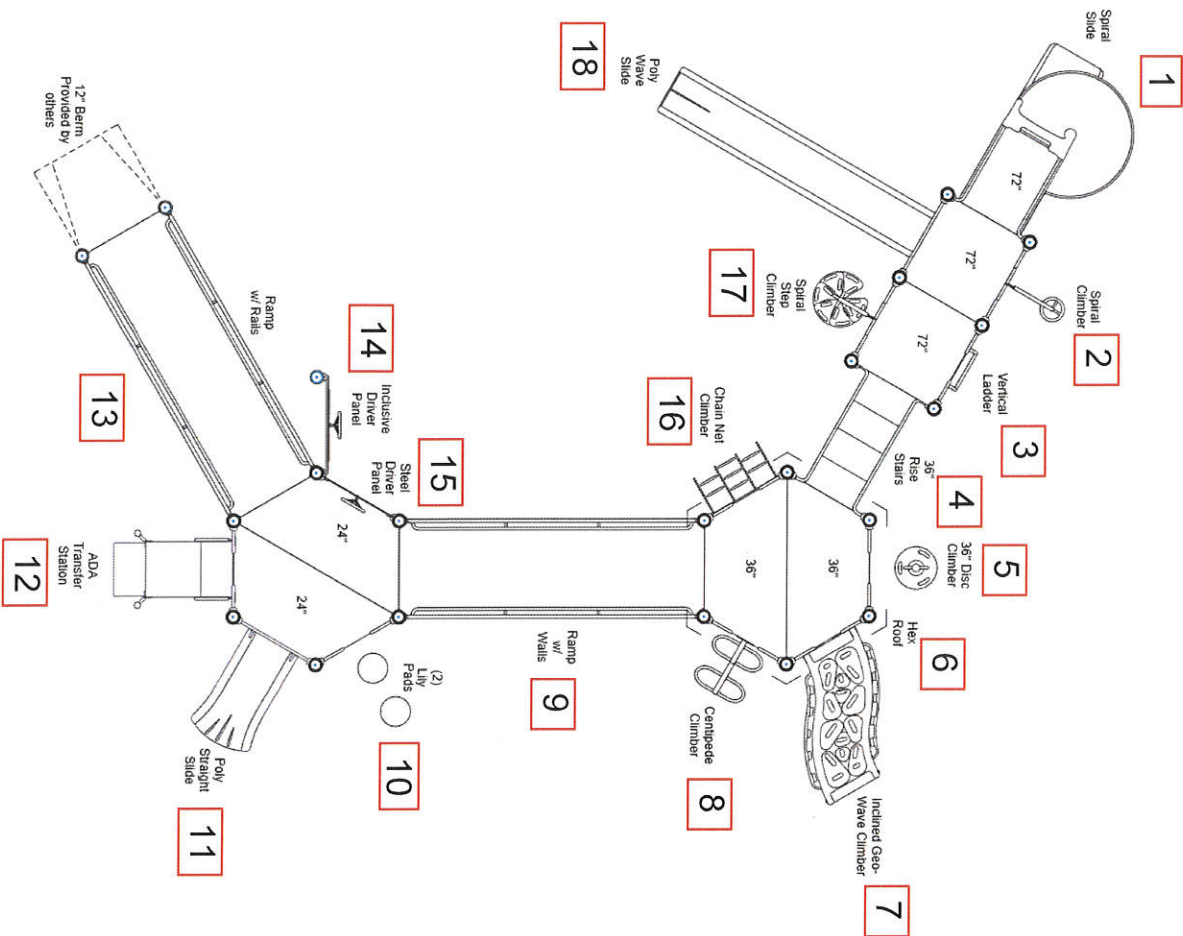


STRUCTURE#: R5081F79A
PROJECT#: PEI201A93DA-2
DATE: 3/13/2020 | DRAWN BY: Derick

YPSILANTI CANDY CANE PARK TOP VIEW

OPTION #1A

ADA ACCESSIBILITY GUIDELINE - ADAAG CONFORMANCE				
ELEVATED	ACCESSIBLE	RAMP	ACCESSIBLE	GROUND
11	11/6	7	1/0	1/3
TYPES				



GENERAL NOTES:

This conceptual plan is based on information provided prior to construction. Detailed site information, including the following, should be obtained, evaluated, and utilized in the final project design. Exact site dimensions, topography, existing utilities, soil conditions and drainage solutions.

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC's Handbook For Public Playground Safety, Section 4: Surfacing.

STRUCTURE#: RS081F79A
PROJECT#: PEI201A93DA-2
DATE: 3/13/2020 | DRAWN BY: Derick

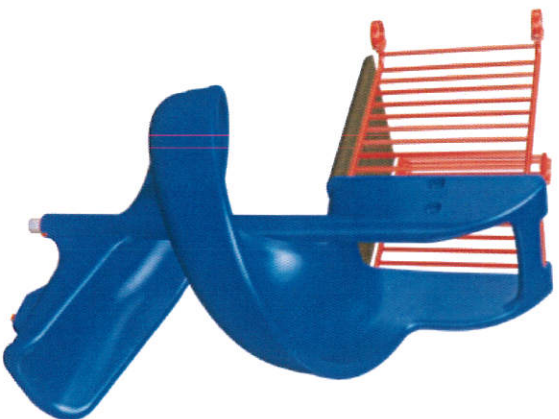
MIN. USE ZONE: 42' x 53'

PLAYCRAFT REP:
Play Environments Design, LLC

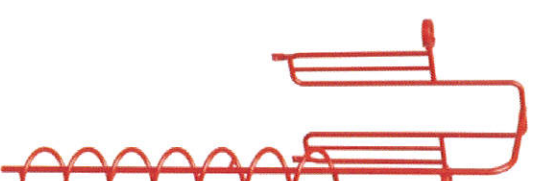


R5

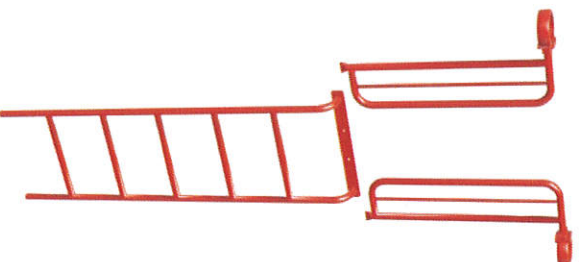
FOR KIDS
AGES
2-12



1 Spiral Slide



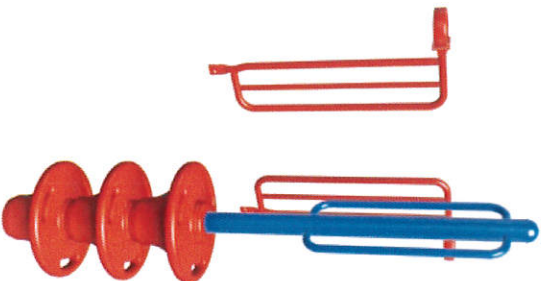
2 Spiral Climber



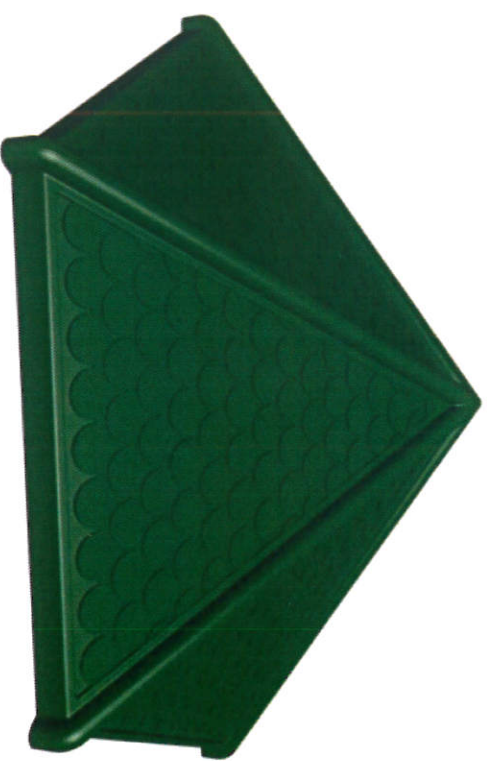
3 Vertical Ladder



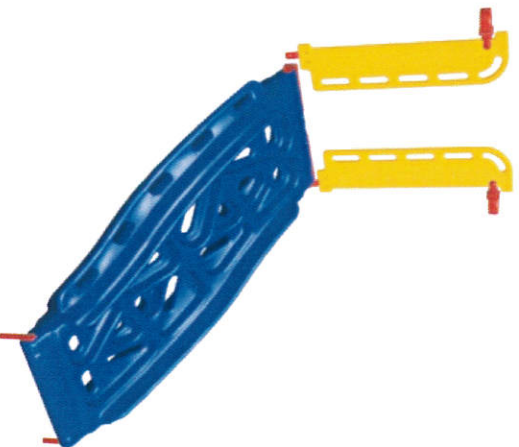
4 ADA Transfer Stairs with Walls, 36" rise



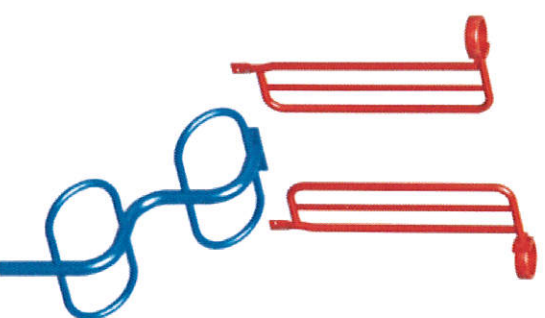
5 36" Disc Climber



6 Hex Roof



7 Inclined Geo Wave Climber



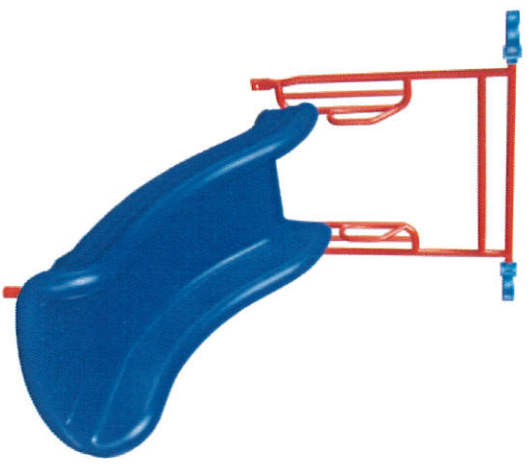
8 Centipede Climber

Ypsilanti Candy Cane Park Play Structure Components

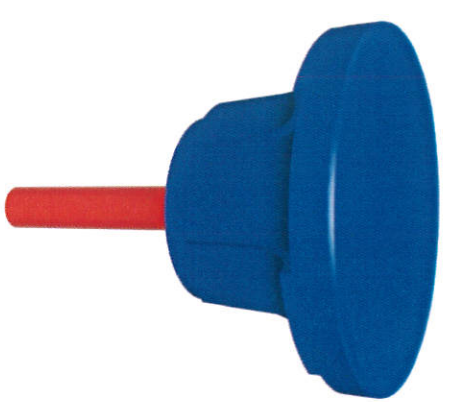
Option 1A



9 ADA Ramp with barrier walls 36"

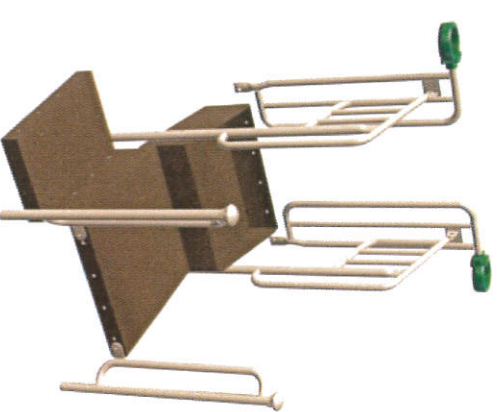


11 Straight Slide, 24" high

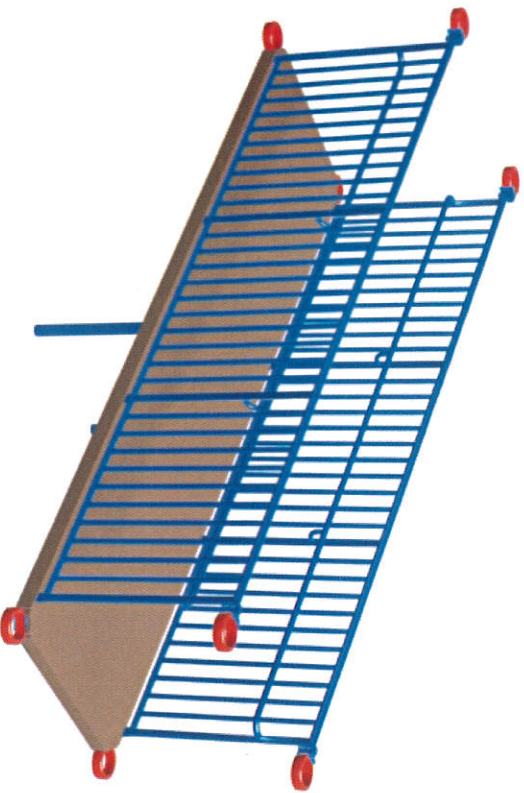


10 Lily Pads (qty 2)

QTY: 2



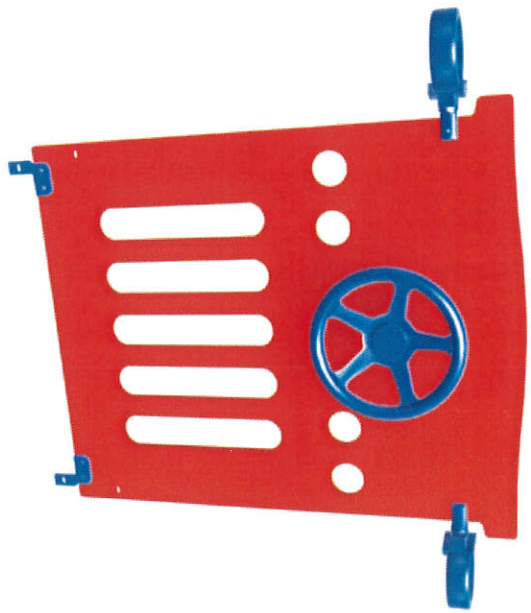
12 ADA Transfer Station, 24"



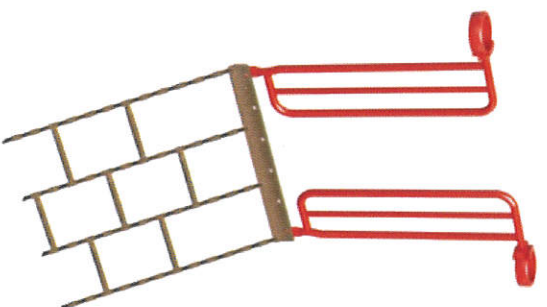
13 ADA Ramp with Rails 24"



14 Ground-mounted inclusive steering wheel

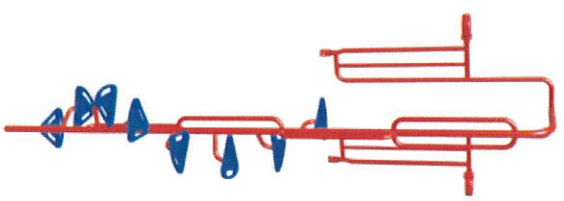


15 Steel Guard Rail with Steering Wheel



16 Chain Net

Ypsilanti Candy Cane Park Play Structure Components



17 Spiral Step Climber

Option 1A

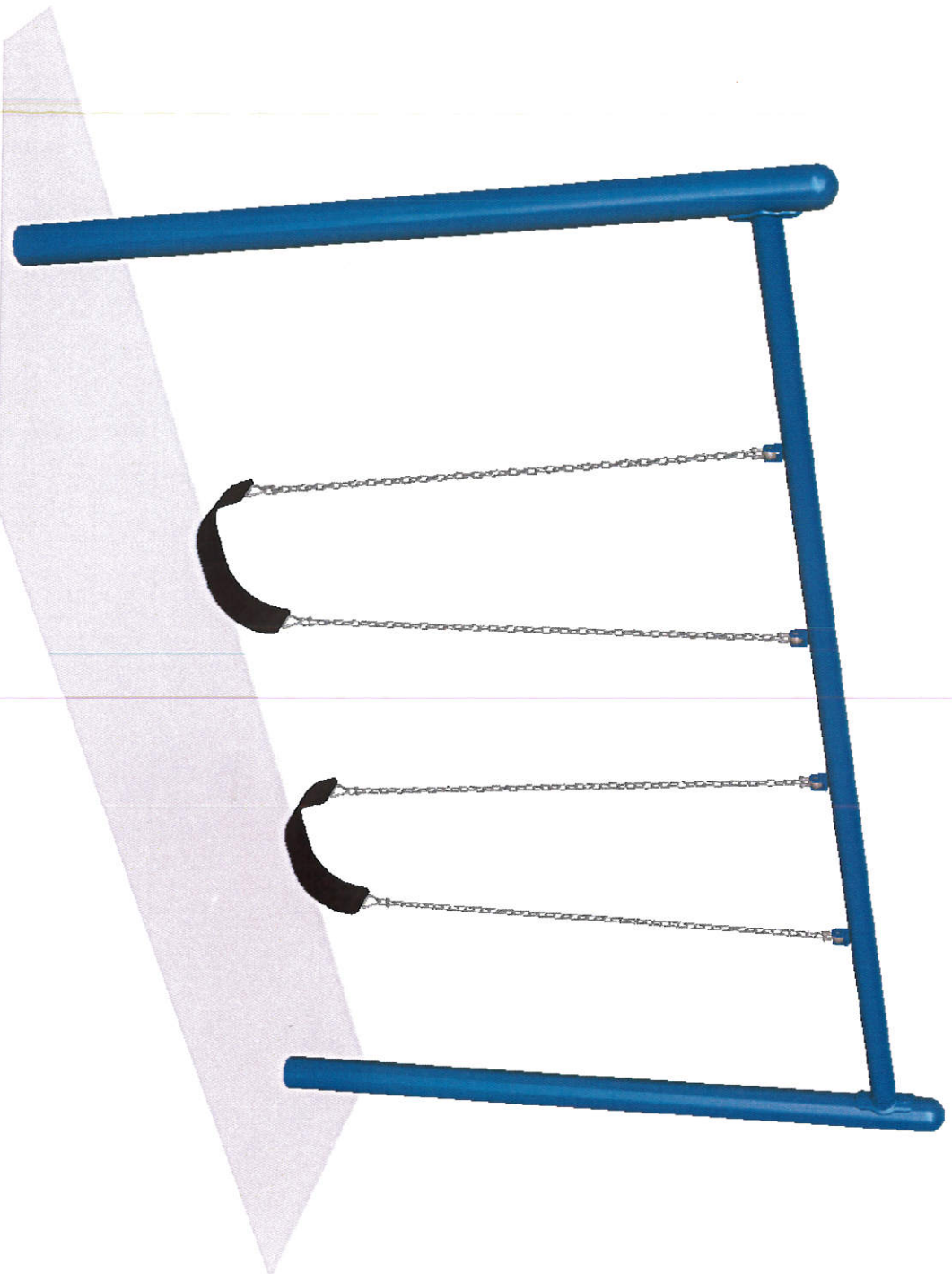


18 Wave Slide, 72" high

YPSILANTI CANDY CANE PARK
SW VIEW

OPTION #1A

FOR KIDS
AGES
5-12



STRUCTURE#: FREPC2181

PROJECT#: PEI201A93DA-2

DATE: 3/13/2020 | DRAWN BY: Derick

YPSILANTI CANDY CANE PARK
TOP VIEW

OPTION #1A

ADA ACCESSIBILITY GUIDELINE - ADAAG CONFORMANCE				
ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
0	0/0	0	2/0	1/0

FOR KIDS
AGES
5-12

GENERAL NOTES:

This conceptual plan is based on information provided prior to construction. Detailed site information, including the following, should be obtained, evaluated, and utilized in the final project design. Exact site dimensions, topography, existing utilities, soil conditions and drainage solutions.

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC's Handbook For Public Playground Safety, Section 4: Surfacing.

PC 2181-8
8FT
SINGLE
POST
SWING
(2B)



STRUCTURE#: FREPC2181

PROJECT#: PEI201A93DA-2

DATE: 3/13/2020 | DRAWN BY: Derick

MIN. USE ZONE: 25' x 31'

PLAYCRAFT REP:

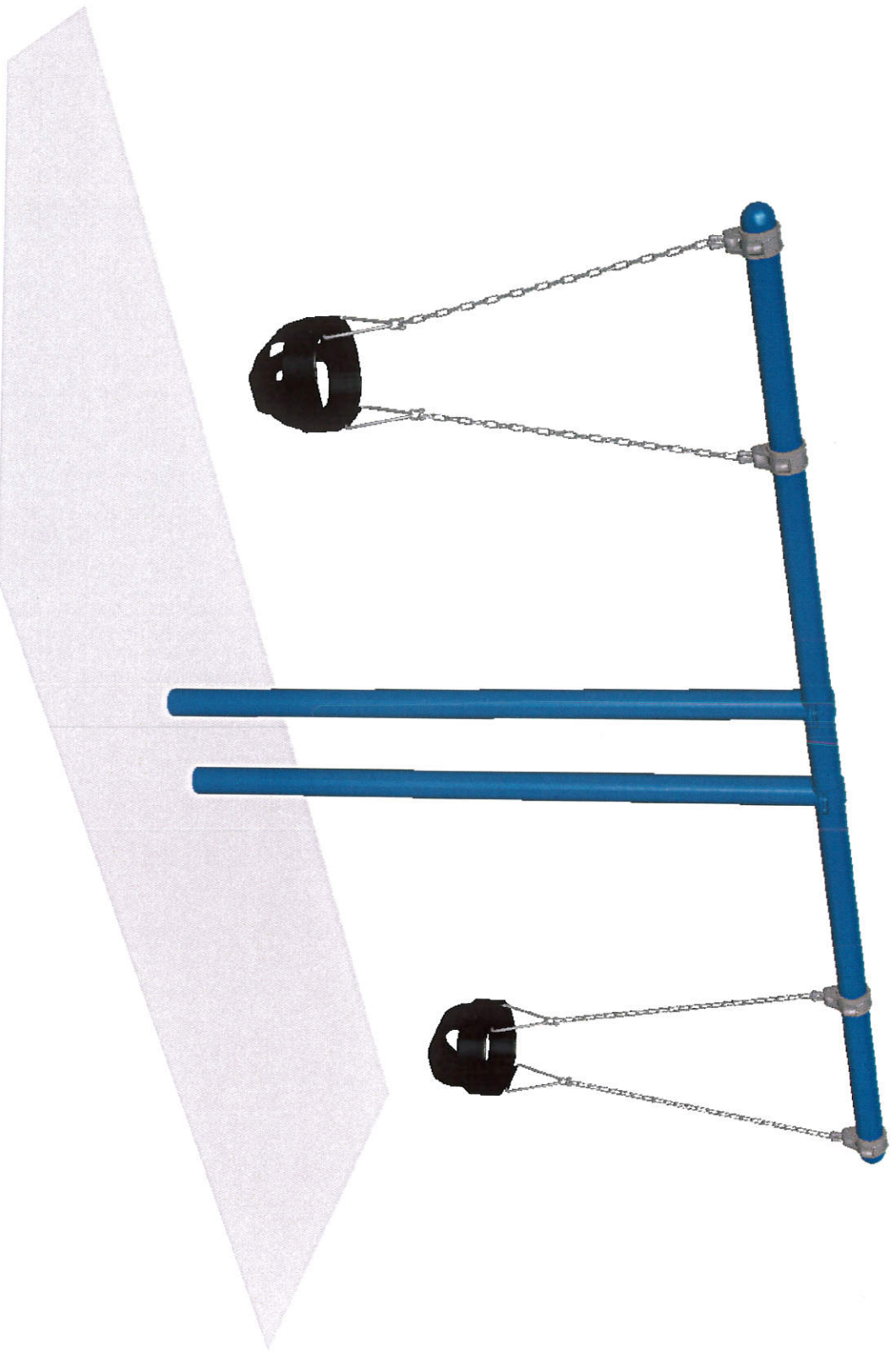
Play Environments Design, LLC



YPSILANTI CANDY CANE PARK
SW VIEW

**Existing Tot Swing to be
Removed and Relocated**

FOR KIDS
AGES
2-5



STRUCTURE#: FREPC2190
PROJECT#: PEI201A93DA-2
DATE: 3/13/2020 | DRAWN BY: Derick



OPTION #1A

Bill of Materials

YPSILANTI CANDY CANE PARK

Project# PEI201A93DA-2

3/13/2020

Item	Description	Quantity
R5081F79A		
HS-1004-R	Collars	48
GF-7002	Dome Cap, R5	15
S-1007-R5-07ft	Post, 07ft R5	1
S-1008-R5-08ft	Post, 08ft R5	2
S-1009-R5-09ft	Post, 09ft R5	6
S-1013-R5-13ft	Post, 13ft R5	6
S-1014-R5-14ft	Post, 14ft R5	6
S-1101-R5	Square Deck	2
S-1106-R5	Hex Deck, Half (4 Post)	4
S-1206-36R5	ADA Stairs, 36in Rise w/ Walls	1
S-1208-R-RAIL24	Ramp 144in (06-12in High w/ Rails, Inclined)	1
S-1208-R-WALL36	Ramp 144in (18-24in High w/ Walls, Inclined)	1
S-1209-12-HW-R5	Transfer Station, 24in-C (RHW)	1
S-1210-72	Climber, Vertical Ladder 66-72in	1
S-1220-3	Climber, Centipede 30-36in	1
S-1221-3	Climber, Chain Net 30-36in	1
S-1223-6R	Climber, Spiral 66-72in	1
S-1233-3-HW	Climber, Disc 30-36in (w/ HW)	1
S-1234-6R	Climber, Spiral Step 66-72in	1
S-1249-DGH	Climber, Incl. Geo-Wave 30-36in (Horiz, DTG Right)	1
S-1304-R5	Single Slide SitDown Wall	1
S-1309-2-R5	Half Walls (Pair) R5	6
S-1310-R5	Transition Wall	2
S-1414	Lily Pad Step 12-18in	2
S-1625-STL-R5	Driver Panel (Steel)	1



OPTION #1A

**Bill of Materials
(continued)**

Item	Description	Quantity
S-1628-R5	Inclusive Driver Panel (Ground)	1
S-1701-2R5V2	Slide, Single 24-30in (Straight)	1
S-1704-6	Slide, Wave 72in (Single)	1
S-1706-R5	Slide, Spiral 72in	1
S-1803-R5	Roof, Hex	1
HS-1100-2	Deck to Deck Hardware	3
FREPC2181		
A2-2181-2B	PC 2181-8 8ft Single Post Swing (2B)	1
FREPC2190		
A2-2190	PC 2190 T-Swing (2FB)	0

PROJECT & TRADE REFERENCES

Major Projects in the Past 5 Years

- Sparta Public Schools - Summer 2017
Terry Johnson – 616-887-1741
Terry.Johnson@Spartaschools.org
Two School Projects – All Ages \$183k
- Mount Pleasant Public Schools – Summer 2017
Josh Rhoads – 989-824-0504
Completed 5 School Playgrounds
- Ypsilanti Township – Fall 2018
Completed 5 Separate Park Playgrounds & Site Amenities
- Golfside Lake Apartments – Summer 2016
Jeremy Grasshoff - jgrasshoff@mckinley.com
- Trenton Public Schools, Anderson Elementary – Summer 2019
Doug Mentzer – 734-676-2177
mentzerd@trentonschools.com
- Trenton Public Schools, Hedke Elementary – Summer 2019
Vince Porreca – 734-692-4563

Key Individuals, Experience & Present Commitments

- Jared Blaszak – Play Environments Design, LLC
Owner, Design & Sales Consultant & Project Manager
15+ Years of Playground Construction Experience
- Mike Wood – Play Environments Design, LLC
Senior Design & Sales Consultant & Project Manager
40+ Years of Playground Construction and Design Experience
- Pat Schreur – Playstruction Subcontractor
Playground Installer & Site Manager
10+ Years of Playground Construction Experience

Trade References

- Playcraft Systems - Playground Equipment
123 North Valley Drive
Grants Pass, OR 97526
1-800-333-8519
- Pro-Techs Surfacing, LLC - Poured in Place Surfacing
PO Box 301
Sharon Center, OH 44274
330-328-8294
- Michigan Wood Fibers - Engineered Wood Surfacing
9426 Henry Court
Zeeland, MI 49464
616-875-2241

ROUND-5 PLAY SYSTEM - General Specifications

SPECIFICATIONS:

Aluminum Post Mechanical Properties:	
Yield Strength (min):	35,000 PSI
Tensile Strength (min):	38,000 PSI
% Elongation in 2 Inches:	10
Modulus of Elasticity:	10 x 10 ⁶ PSI

Round-5 Aluminum Posts shall be constructed of 5" O.D. round 6061-T651 aluminum tube with a .120" wall thickness. Each post shall be shot blasted and then further cleaned in a multi-step process that includes a hot phosphatizing bath and rinse and finished with a non-chrome seal for added corrosion resistance. Additionally, posts shall be pre-heated to fully dry prior to coating for superior powder adhesion. Finally powder shall be applied to all pre-treated posts in an exclusive two coat process to achieve an average thickness of 11 mils. All post bases shall include a footing pin for securing posts in cement. Some posts may include a die-cast aluminum base cap. All posts shall include a minimum loose fill resilient surfacing sticker to be field installed as required. All polyester powder coatings shall comply with ASTM standards: D-522 (Flexibility Mandrel Test), D-2794 (Impact Resistance Test), B-117 (Salt Spray Weatherability Test), D-3363 (Pencil Hardness Test), D-2454 (Overbake Resistance Test), D-3359B (Adhesion Crosshatching Test).

Steel Post Mechanical Properties:	
Yield Strength (min):	45,000 PSI
Tensile Strength (min):	48,000 PSI
% Elongation in 2 Inches:	25
Modulus of Elasticity:	30 x 10 ⁶ PSI

Round-5 Steel Posts shall be constructed of 5" O.D. round steel tube with a .120" wall thickness and a galvanized Flo-Coat finish inside and out. Each post shall be shot blasted and then further cleaned in a multi-step process that includes a hot phosphatizing bath and rinse and finished with a non-chrome seal for added corrosion resistance. Additionally, posts shall be pre-heated to fully dry prior to coating for superior powder adhesion. Finally powder shall be applied to all pre-treated posts in an exclusive two coat process to achieve an average thickness of 11 mils. All post bases shall include a footing pin for securing posts in cement. Some posts may include a die-cast aluminum base cap. All posts shall include a minimum loose fill resilient surfacing sticker to be field installed as required. All polyester powder coatings shall comply with ASTM standards: D-522 (Flexibility Mandrel Test), D-2794 (Impact Resistance Test), B-117 (Salt Spray Weatherability Test), D-3363 (Pencil Hardness Test), D-2454 (Overbake Resistance Test), D-3359B (Adhesion Crosshatching Test).

Round-5 Attachment Fittings (Sockets and Collars) shall be two-part and precision die-cast from high strength A369 aluminum alloy with an ultimate tensile strength of 47,000 PSI and a yield strength of 28,000 PSI. Separate sockets when combined with collars form a unique and versatile method of component-to-post attachment. Unlike traditional designs using one-piece collar/sockets, our system utilizes separate sockets which can be positioned, as required, around a single collar to form multiple component attachment points for a cleaner, more balanced design. Sockets and Collars shall be powder coated as specified.

Round-5 Play System Footing Requirements shall vary depending on deck heights, components and events attached to the structure. Most equipment is available for surface or in-ground mounting.

2020 PLAYCRAFT SPECIFICATIONS

3/14/2020

Please Note: The following playground equipment general specifications were correct at the time of publication. For additional information on any product offered by Krauss Craft, Inc., please contact our factory design department at 1-800-333-8519.

Due to our commitment to safety, innovation and value, Krauss Craft, Inc., the manufacturer of Playcraft systems, reserves the right to change, modify or discontinue products and product specifications at any time.

SECTION 1 - GENERAL SPECIFICATIONS (Playground Equipment)

Metal Hardware shall be zinc plated, galvanized, or made of stainless steel as required to resist rust and corrosion. Tamper resistant hardware shall be used for all principal connections.

Stainless Steel Hardware shall be stainless steel as required to resist rust & corrosion. Tamper resistant hardware shall be used for all principal connections.

Zinc and Stainless Steel Hardware shall be zinc plated, or made of stainless steel as required to resist rust & corrosion. Tamper resistant hardware shall be used for all principal connections.

Galv. and Stainless Steel Hardware shall be galvanized, or made of stainless steel as required to resist rust and corrosion. Tamper resistant hardware shall be used for all principal connections.

Hardware Caps shall be a UV-Stabilized, polypropylene based plastic consisting of two parts, a base and crown. Specified hardware is attached through the base to post support and then finished with a crown to form a smooth tamper-resistant attachment point.

Post Caps shall be precision die-cast from a high strength aluminum alloy and powder coated as specified. Post caps shall be of an **Exclusive** self-sealing design with an overlapping lip and are factory installed and secured in place with a self-sealing rivet. Available for Round-5 and Round-3.5 systems. **IMPORTANT:** Self Sealing Post Caps are a Playcraft Exclusive Design.

Chain used for Swings, Chain Nets, Chain Walks and Suspension Bridges shall be 4/0 and/or 5/0 galvanized steel. Chains shall be thermoplastic coated as required.

High Density Polyethylene - (HDPE) Sheet Stock Parts shall be made from 1/2", 3/4" or 1" thick, high-density, hot extruded polyethylene sheet plastic specially formulated for optimum UV stability and color retention. Parts shall meet or exceed density of .955 g/cc per ASTM D1505, tensile strength of 4000 PSI per ASTM D638. Panels are cut or machined to size with design elements routed in. Parts are available in a variety of solid or dual-color designs. All HDPE Sheet Stock Parts shall comply to ASTM standards: D790 (Flex Modulus Test), D648 (Heat Distortion Temperature Test).

Metal Parts shall be zinc or cadmium plated, galvanized, Play-Tuff™ coated, painted and/or powder coated as required to resist rust and corrosion.

Tube Steel used in most applications shall be heavy-gauge and pre-galvanized. Tube shall be formed and/or fabricated into required components and finished as specified. All Steel Tube parts shall comply with ASTM standards: A-500/A-513 (Steel Tubing).

Powder Coating shall be electrostatically applied to metal components. Surfaces shall be free of excess weld and spatter. Components shall be shot blasted and then further cleaned in a multi-step process that includes a hot phosphatizing bath and rinse and finished with a non-chrome seal for added corrosion resistance. Additionally, components shall be preheated to fully dry prior to coating for superior powder adhesion. Finally, powder shall be applied to all pre-treated components in an **Exclusive** two coat process to achieve an average thickness of 11 mils. All polyester powder coatings shall comply with ASTM standards: D-522 (Flexibility Mandrel Test), D-2794 (Impact Resistance Test), B-117 (Salt Spray Weatherability Test), D-3363 (Pencil Hardness Test), D-2454 (Overbake Resistance Test), D-3359B (Adhesion Crosshatching Test).

PlayTuff™ (PVC Coating) shall be applied to metal components for a 100 mil. minimum average thickness. Prior to coating, components shall be washed, phosphatized and primed. After preheating to a minimum of 350 degrees, components shall be dipped in a UV stabilized Polyvinyl Chloride liquid & shall be salt cured at 400 degrees. All Play-Tuff™ Coated Parts shall comply to ASTM standards: D-624 (Tear Strength Test), D-412 (Tensile Strength Test). PlayTuff™ Coatings are available in Brown, Blue, Green, Tan & Red.

RotoMold shall be made from hot compounded linear low density polyethylene resins. Hot compounded polyethylene resins offer superior durability and fade resistance from UV inhibitors and colorants molded-in. All linear low density polyethylene plastic shall have a minimum 2500 PSI tensile strength per ASTM D 638-02. Parts shall have an average wall thickness of .250". Parts are available in a variety of solid colors. All Roto Molded Parts shall comply with ASTM standards: D-790 (Flex Modulus Test), D-648 (Heat Distortion Temperature Test), ARM-STD (Low Temperature Impact Test).

Steel Decks Steps (platforms, bridges, ramps, steps, etc.) shall be constructed using a combination of 12 gauge sheet steel which shall be formed and fabricated into required designs with deck sides and additional parts of deck being fabricated out of 10 or 12 gauge sheet steel. All steel deck standing surfaces and stepping surfaces shall have a slip-resistant Play-Tuff™ coating minimum of 100 mil average thickness, with a uniform 5/16" diameter hole pattern. Deck faces shall have up to 6 attachment slots (**a Playcraft Systems Exclusive**) to accommodate face mounting components. All sheet steel shall conform to ASTM A 1011-02. **IMPORTANT:** Inferior expanded steel shall not be used on any decks or stepping surfaces.

Steel Walls shall be fabricated using 1.029" O.D. 14 gauge tube steel welded vertically on 4" centers between vertical 1.315" O.D. 12 gauge tube steel balusters and horizontal 1.315" O.D. 12 gauge tube steel rails, top & bottom. Brackets may be welded to the ends of each rail and between the verticals to provide attachment points. Walls shall be finished with a multi-stage baked-on powder coat finish.

Vertical Deck Fillers shall be designed to eliminate the crawl space between decks at different elevations. All deck in-fills shall be made from 12 gauge sheet steel and powder coated after fabrication.

PLAYCRAFT SYSTEMS WARRANTY

Playcraft Systems®, warrants its products to be free from defects in materials or workmanship, when properly used, serviced and installed in accordance with published specifications, for a period of one (1) year from the original date of invoice.

Playcraft Systems® further warrants as follows:

LIFETIME LIMITED WARRANTY

on all stainless steel hardware, metal posts, aluminum posts, aluminum caps and aluminum clamps against structural failure due to natural deterioration or corrosion, or defects in materials or workmanship.

TWENTY-FIVE (25) YEAR LIMITED WARRANTY

on all cast aluminum Spring Rider castings against structural failure due to defects in materials or workmanship.

FIFTEEN (15) YEAR LIMITED WARRANTY

on all metal rails, metal slides, handles, rungs, loops and walls, all Play-Tuff™ coated perforated steel decks, steps, and bridges, all rotationally molded and HDPE sheet plastic components, excluding recycled plastic components, against structural failure due to defects in materials or workmanship.

TEN (10) YEAR LIMITED WARRANTY

on all shade canopy fabric made of UV Stabilized HDPE monofilament yarn and tape against significant fading.

TEN (10) YEAR LIMITED WARRANTY

on all Play-Cord™ against cable breakage and Play-Cord™ connectors against breakage and failure due to defects in materials or workmanship.

FIVE (5) YEAR LIMITED WARRANTY

on all Playcraft System® powder coating and Play-Tuff™ coating against cracking and/or peeling due to normal climatic exposure.

THREE (3) YEAR LIMITED WARRANTY

on all springs, moving swing parts, swing seats and other swing components, as well as all recycled plastic components against failure due to defects in materials or workmanship.

ONE (1) YEAR LIMITED WARRANTY

on any other product or part not specifically covered above against failure due to defects in materials or workmanship.

All warranties above commence on the date of the original invoice from Playcraft Systems®. For the purpose of this warranty, the term LIFETIME encompasses no specific number of years, but rather that Playcraft Systems® warrants to its original customer, for as long as the original customer owns the Products and uses the Products for their intended purpose, that any Products and all components will be free from defects in materials or workmanship.

The warranty stated above is valid only if the products and finishes: (1) are assembled and installed in conformity with the layout plan and installation instructions furnished by Playcraft Systems®; (2) have been maintained and inspected in accordance with Playcraft Systems® maintenance information and other normal and prudent practices; (3) have been subjected to normal use for the purpose for which the products were designed and intended; (4) have not been subjected to misuse, abuse, vandalism, accident or neglect; (5) have not been altered in any manner including, but not limited to, incorporating unauthorized or unapproved parts; and (6) have not been modified, altered, or repaired by persons other than Seller's designees in any respect which, in the judgment of Seller, affects the condition or operation of the equipment.

This warranty does not cover: (1) cosmetic damages or defects resulting from scratches, dents, marring, rough handling, improper installation methods, fading, discoloring or weathering; (2) damage due to extreme or prolonged exposure to "Environmental Factors", such as wind-blown sand, salt water, salt spray and airborne emissions from industrial sources (sulfur, acids, chemicals, or corrosive agents, other than normal photochemical smog); (3) damage caused by environmental hazards and "Acts of God", such as hail, flooding, lightning, tornadoes, sandstorms, earthquakes, windstorms, and other extreme weather conditions; or (4) normal wear and tear. No warranty is made with regard to gloss retention or uniformity of gloss and color retention. If any products covered by this warranty fail within the time period applicable to a defective product, Playcraft Systems® shall, upon being notified of the defect in writing, at its sole option, either repair the defective products or replace the defective products within 30 days of receipt of the written notification.

Repair or replacement as provided in this section shall be the purchaser's exclusive remedy and purchaser expressly agrees that Playcraft Systems® shall not be responsible for any other damages, losses, or costs, including consequential and incidental damages, claimed by purchaser. Playcraft Systems® shall deliver the repaired or replacement products to the purchaser free of charge, but shall not provide labor, reimbursements for labor or reimburse any other costs associated with the removal or disposal of the defective products and/or the installation of any replacement products. Notwithstanding the previous sentence, Playcraft Systems® shall not pay for any costs of shipping replacement parts outside of the continental United States. Any products replaced or repaired consistent with this paragraph shall be guaranteed for the balance of the original warranty period.

THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE REMEDIES PROVIDED HEREIN SHALL BE THE EXCLUSIVE AND SOLE REMEDIES OF THE ORIGINAL PURCHASER. PLAYCRAFT SYSTEMS® IS NOT LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH MAY ARISE FROM THE PURCHASE, USE OR MISUSE OF ITS PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION MAY NOT APPLY. PLAYCRAFT SYSTEMS® NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME OR IMPLY ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OR USE OF THE EQUIPMENT SOLD.

To make a claim under the terms of this warranty, purchaser must submit a written statement detailing the nature of the warranty claim, including an itemization of each defective condition, along with a copy of the original invoice, maintenance records and supporting photographs to Playcraft Systems®, 123 North Valley Drive, Grants Pass, Oregon 97526.

Due to our on-going commitment to product development and Improvement, Playcraft Systems® reserves the right to change, modify or discontinue certain products without notice (Rev. O).

Powder-coat Colors



Roto-molded Plastic Colors



Solid HDPE Colors

Layered HDPE Colors



Play-Tuff™ Coating Colors



Thermoplastic Coating Colors



Shade Canopy Fabric Colors



Play-Cord™ Cable Colors



Swing Seat Colors





OUTSC-1

OP ID: BW

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

04/16/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER BUI TEN & ASSOCIATES, LLC 5738 FOREMOST DRIVE, SE GRAND RAPIDS, MI 49546 BRIAN L MATTILA		616-949-0490	CONTACT NAME: BETH WOLTJER	
			PHONE (A/C, No, Ext): 616-949-0490	FAX (A/C, No): 616-949-0433
			E-MAIL ADDRESS: beth.woltjer@buiteninsurance.com	
		INSURER(S) AFFORDING COVERAGE		
		INSURER A: EMC INSURANCE COMPANIES		
		INSURER B: HAMILTON MUTUAL INSURANCE CO		
		INSURER C: LLOYD'S OF LONDON		
		INSURER D:		
		INSURER E:		
		INSURER F:		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PRO-JECT ☐ LOC OTHER:			4D73954	04/15/2019	04/15/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	☐ AUTOMOBILE LIABILITY ☐ ANY AUTO OWNED AUTOS ONLY ☒ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY			4E73954	04/15/2019	04/15/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED ☒ RETENTION \$ 0			4J73954	04/15/2019	04/15/2020	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N Y	N/A	4H73954	04/15/2019	04/15/2020	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
C	PLAYGROUND INSPECT PROFESSIONAL LIAB			15487	04/15/2019	04/15/2020	LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

INFORMA

FOR INFORMATION PURPOSES ONLY

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
BRIAN L MATTILA







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Be amazing.

PLAYGROUND EQUIPMENT

PROPOSAL FOR:

City of Ypsilanti Candy Cane Playground

March 18th, 2020, at 2:00PM

DELIVERED TO:

City Clerk

City of Ypsilanti

1 South Huron Street

Ypsilanti MI 48197

Prepared By:

Jennifer Smith, CPSI

Jennifer@Penchura.com

616-516-5562

Penchura , LLC





March 17, 2020

RE: City of Ypsilanti Candy Cane Playground

Dear City of Ypsilanti,

Thank you for the opportunity to submit this proposal for the playground at Candy Cane Park. This proposal contains all of the requirements in the request for proposal documents you provided as well as the addendums that followed.

Landscape Structures is an employee owned regional company dedicated to providing the highest quality playground equipment on the market, in business since 1971. Penchura LLC is the exclusive dealer of Landscape Structures Playground equipment in Michigan and Ohio since 2006. Penchura works with local certified contractors to ensure compliant installation of your equipment. References and insurance information are attached.

Our proposal includes removal of the existing play equipment and swings, supply/install of a new 2-12 structure, 2-Bay Swing with belt and tot seats, and 2-12 independent pieces. We replaced both swing sets because we think it is best for safety to allow parents clear sightlines to all age groups. This design can either be located in the existing 50x55 area or on the South end of the park, either location fits within our installation price. The new area will be bordered with a 12"x6" concrete boarder on aggregate base, have a base layer of geo-textile fabric, and be filled with compliant engineered wood fiber to a depth of 15" to account for compaction. Our bid includes the cost for PLM bond and any necessary site restoration needed to level the area with seed and straw.

Our timeline for the project is 3-5 weeks from the date of order with color selection approved. 2-3 weeks for delivery of equipment, and 1-2 weeks for actual construction.

Thank you again for the opportunity to submit this proposal. If I can provide additional information, please contact me at the number listed below. We look forward to the opportunity to work with the City of Ypsilanti.

Regards,

Jennifer R Smith, CSPI, LEED AP
Recreation Consultant, Penchura
889 S Old US 23, Brighton MI 48114
Jennifer@Penchura.com
O: 810-229-6245 - F: 810-229-6256 - C: 616-516-5562



What makes us different makes us better!

"We Place an Emphasis on Providing the Greatest Play Value, the Highest Quality (Which Means a Lower Cost of Ownership), and Unmatched Customer Service. Penchura has a Track Record of Delivering Projects On Time and On Budget!"

The Value of Landscape Structures Playground Equipment:

- Landscape Structures is an **employee-owned company** that has been in business for over 48 years providing premier, high quality durable playground equipment.
- Products are **proudly** manufactured right here in the **U.S.A.**
- The **most comprehensive long-term warranties in the industry.**
- A **founding member** of the International, Play Equipment Manufacturers Association (IPEMA)
- All products are certified ASTM Standard F1487 (Safety Performance Standard)
- ISO 9001:certified since 1996 (Emphasis on Quality)
- **First** North American playground equipment manufacturer to become ISO 14001 certified in 2003 (Environmentally Conscious)
- Exclusive partner of **Global ReLeaf**
- Provider of playground equipment to **Disney** and **Epcot Center**.

You are Invited to Come Visit The Factory!

What better way to see the care and quality put into all of our playgrounds than seeing it with you own eyes from the ground up right at the factory? For no cost to you, we will provide you with a VIP tour of our headquarters/factory in Delano, Minnesota. There you will experience firsthand, the exceptional work environment that drives our innovative, sustainable processes and commitment to continuous improvement.



Thank You!

Thank you for the opportunity to bid this project. When choosing Penchura, you have the support of our entire team to help answer questions during any stage of the project.





AIA Document A310™ – 2010

Bid Bond

CONTRACTOR:

(Name, legal status and address)

Penchura LLC
889 South Old US 23
Brighton, MI 48114

SURETY:

(Name, legal status and principal place of business)

United Fire & Casualty Company
118 Second Avenue SE
Cedar Rapids, IA 52407-3909

OWNER:

(Name, legal status and address)

City of Ypsilanti

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: Five Percent of Bid (5% of Bid)

PROJECT: Candy Cane Park - Playground Equipment, Surfacing and Install

(Name, location or address, and Project number, if any)

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, **or** within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 18th day of March, 2020

Penchura LLC
(Principal)

(Seal)

(Witness)

[Redacted Signature]

Heather Buonodono

(Title)

United Fire & Casualty Company

[Redacted Signature]

Dan Cusenza



UNITED FIRE & CASUALTY COMPANY, CEDAR RAPIDS, IA
 UNITED FIRE & INDEMNITY COMPANY, WEBSTER, TX
 FINANCIAL PACIFIC INSURANCE COMPANY, ROCKLIN, CA
 CERTIFIED COPY OF POWER OF ATTORNEY
 (original on file at Home Office of Company - See Certification)

Inquiries: Surety Department
 118 Second Ave SE
 Cedar Rapids, IA 52401

KNOW ALL PERSONS BY THESE PRESENTS, That United Fire & Casualty Company, a corporation duly organized and existing under the laws of the State of Iowa; United Fire & Indemnity Company, a corporation duly organized and existing under the laws of the State of Texas; and Financial Pacific Insurance Company, a corporation duly organized and existing under the laws of the State of California (herein collectively called the Companies), and having their corporate headquarters in Cedar Rapids, State of Iowa, does make, constitute and appoint

JOHN T. FOSTER, JAMES N. SLEAR, DAN CUSENZA, HEATHER BUONODONO, EACH INDIVIDUALLY

their true and lawful Attorney(s)-in-Fact with power and authority hereby conferred to sign, seal and execute in its behalf all lawful bonds, undertakings and other obligatory instruments of similar nature provided that no single obligation shall exceed \$30,000,000.00 and to bind the Companies thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of the Companies and all of the acts of said Attorney, pursuant to the authority hereby given and hereby ratified and confirmed.

The Authority hereby granted is continuous and shall remain in full force and effect until revoked by United Fire & Casualty Company, United Fire & Indemnity Company, and Financial Pacific Insurance Company.

This Power of Attorney is made and executed pursuant to and by authority of the following bylaw duly adopted on May 15, 2013, by the Boards of Directors of United Fire & Casualty Company, United Fire & Indemnity Company, and Financial Pacific Insurance Company.

"Article VI - Surety Bonds and Undertakings"

Section 2, Appointment of Attorney-in-Fact. "The President or any Vice President, or any other officer of the Companies may, from time to time, appoint by written certificates attorneys-in-fact to act in behalf of the Companies in the execution of policies of insurance, bonds, undertakings and other obligatory instruments of like nature. The signature of any officer authorized hereby, and the Corporate seal, may be affixed by facsimile to any power of attorney or special power of attorney or certification of either authorized hereby; such signature and seal, when so used, being adopted by the Companies as the original signature of such officer and the original seal of the Companies, to be valid and binding upon the Companies with the same force and effect as though manually affixed. Such attorneys-in-fact, subject to the limitations set forth in their respective certificates of authority shall have full power to bind the Companies by their signature and execution of any such instruments and to attach the seal the Companies thereto. The President or any Vice President, the Board of Directors or any other officer of the Companies may at any time revoke all power and authority previously given to any attorney-in-fact.

IN WITNESS WHEREOF, the COMPANIES have each caused these presents to be signed by its vice president and its corporate seal to be hereto affixed this 2nd day of November, 2017



UNITED FIRE & CASUALTY COMPANY

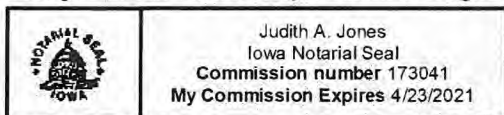
UNITED FIRE & INDEMNITY COMPANY

FINANCIAL PACIFIC INSURANCE COMPANY

By:

State of Iowa, County of Linn, ss:

On 2nd day of November, 2017, before me personally came Dennis J. Ri to me known, who being by me duly sworn, did depose and say; that he resides in Cedar Rapids, Sta & Casualty Company, a Vice President of United Fire & Indemnity Company, and a Vice Pre corporations described in and which executed the above instrument; that he knows the seal of instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corpo



I, Mary A. Bertsch, Assistant Secretary of United Fire & Casualty Company and Assistant Secretary Secretary of Financial Pacific Insurance Company, do hereby certify that I have compared the forego the copy of the Section of the bylaws and resolutions of said Corporations as set forth in said Power o HOME OFFICE OF SAID CORPORATIONS, and that the same are correct transcripts thereof, and Power of Attorney has not been revoked and is now in full force and effect.

In testimony whereof I have hereunto subscribed my name and affixed the corporate se this 18th day of March, 2020.



By:

PROPOSAL FORM

Owner: City of Ypsilanti, a Michigan home rule city
One S. Huron Street
Ypsilanti, MI 48197

Firm Name: Penchura, LLC (herein called "Bidder")

* a corporation organized and existing laws of the State of _____

* a partnership consisting of _____

* an individual trading as _____

By: Jennifer Smith

Title: Recreation Consultant

Date: 3/17/2020

Pursuant to and in compliance with the Specifications dated February 17, 2020 and all Addenda as prepared by the Owner, we the undersigned, propose to furnish all labor, materials, equipment, and all things necessary to perform all the work associated with:

CITY OF YPSILANTI CANDY CANE PLAYGROUND

The undersigned as bidder declares that he/she has familiarized himself with the location of the proposed work and the conditions under which it must be performed, as well as the drawing and specifications which the undersigned acknowledges that he understands and accepts as adequate.

I. PROPOSAL (BASED BID):

The undersigned agrees to enter into an agreement with the Owner to complete the General Contract for the total price of:

Seventy Four Thousand Nine Hundred Seventy Seven Dollars (use words)
\$74,977 (Use numbers)

II. COST BREAKDOWN

- a. Play equipment: \$49,970
- b. Fall surfacing, concrete edging, geotextile: \$13,757
- c. Labor: \$10,000
- d. Other: PLM Bond \$1,250

III. MATERIAL BRAND OR TYPE (Attached specs):

a. Play equipment :

Supplied by Landscape Structures

b. Fall surfacing, concrete edging, geotextile:

Supplied by Superior Groundcover

c. Other:

IV. WARRANTIES:

Attached

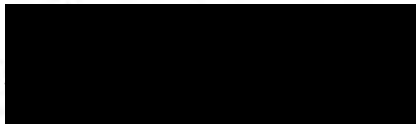
V. PROPOSED STARTING DATE: ASAP

VI. ESTIMATED COMPLETION DATE: By June 26th 2020

VII. ATTACHMENTS:

- a. Reference list
- b. Equipment specification
- c. Any other information

Signature:



Name: Jennifer Smith

Title: Recreation Consultant



Make all P.O.s, Contracts, and Checks to:
Penchura, L.L.C.
889 S. Old US 23
Brighton, MI 48114

Proposal

Date	Project #
3/17/2020	20-298

Bill To
City of Ypsilanti 1 South Huron Ypsilanti, MI 48197

Ship To
Candy Cane Park City of Ypsilanti

Customer Contact	Customer Phone	Customer Fax	Terms	P.O. No.	Rep
Christopher S. / Lily Guzm...	734-483-1810		Net 30		JRS

Item	Description	Qty	Weight	Price	Total
Custom	Equipment Per Design 2-12 Structure 2-Bay Swing with Belt and Tot Seats	1		45,720.00	45,720.00T
Freight	Freight	1		4,250.00	4,250.00T
Install	Professional Certified Installation -Removal/disposal of structure and swings. -Excavation of __x__ area, spoils can be used to fill the swing area that is left empty. -Installation of new structure and swings -12"x6" Concrete Curb with entry ramp, on gravel base. -Site Restoration for anything disturbed during construction. Top soil seed and straw for the old swing areas. Install timeline - 1-2 weeks	1		17,500.00	17,500.00
GEO-TXT	Geo Textile Fabric	3,100		0.45	1,395.00T
EWf-I	Engineered Wood Fiber - Installed	143		34.00	4,862.00T
PLM Bond	Performance, Labor, Material Bond	1		1,250.00	1,250.00

Proposal good for 30 days.
 Ship Via: common carrier
 Delivery contact name and number: _____

Customer signature below constitutes a purchase order.

Subtotal	\$74,977.00
Sales Tax (0.0%)	\$0.00
Total	\$74,977.00

889 S. Old US 23, Brighton, MI 48114
 Office: (810) 229-6245 Fax: (810) 229-6256 Toll Free: (888) 778-7529



Relevant Project References:

City of Southgate

Julie Goddard – 734-258-3032 – jgoddard@ci.southgate.mi.us

City of Jackson

Kelli Hoover – 517-788-4040 - khoover@cityofjackson.org

Airport Community Schools

Dan Fahnestock – 734-869-7210 – dfahnestock@airport.school

City of Kalamazoo

Sean Fletcher – fletchers@kalamazoocity.org

Patrick McVerry - mcverryp@kalamazoocity.org

City of Ann Arbor

Hillary Hanzel - 734.794.6230 ext. 42548 – Hhanzel@a2gov.org

Lakeshore Public Schools

Nick White – 269-519-3110 – nwhite@lakeshoreps.org

Jackson County ISD

Roger Auwers – 517-768-5148 – roger.auwers@jcisd.org

1175 W Parnall Rd, Jackson MI 49201

Additional references available upon request.



PENCLLC-02

NKRING

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
09/12/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Mourer Foster, Inc 615 N. Capitol Ave. Lansing, MI 48933	CONTACT NAME: PHONE (A/C, No, Ext): (517) 371-2300 FAX (A/C, No): (517) 371-5059 E-MAIL ADDRESS: info@mourer-foster.com														
INSURED Penchura, LLC 889 S Old US 23 Brighton, MI 48114	<table border="1"><thead><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr></thead><tbody><tr><td>INSURER A: Landmark American Insurance Co</td><td>33138</td></tr><tr><td>INSURER B: FREMONT INSURANCE CO</td><td>13994</td></tr><tr><td>INSURER C: RSUI Indemnity Co.</td><td>22314</td></tr><tr><td>INSURER D:</td><td></td></tr><tr><td>INSURER E:</td><td></td></tr><tr><td>INSURER F:</td><td></td></tr></tbody></table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Landmark American Insurance Co	33138	INSURER B: FREMONT INSURANCE CO	13994	INSURER C: RSUI Indemnity Co.	22314	INSURER D:		INSURER E:		INSURER F:	
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INSURER D:															
INSURER E:															
INSURER F:															

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ XCU ☒ OH StopGap 1,000,000 GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☐ LOC OTHER:			LHA111767	09/12/2018	09/12/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMPI/OP AGE \$ 2,000,000
B	AUTOMOBILE LIABILITY ☒ ANY AUTO OWNED AUTOS ONLY ☒ HIRED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ NON-OWNED AUTOS ONLY			CAP001907907	09/12/2018	09/12/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	UMBRELLA LIAB ☒ OCCUR ☒ EXCESS LIAB CLAIMS-MADE DED ☒ RETENTION \$ 0			NHA084052	09/12/2018	09/12/2019	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ Aggregate \$ 5,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WCP000971207	09/12/2018	09/12/2019	☒ PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

FOR YOUR INFORMATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

National Recreation and Park Association

Let it be known that

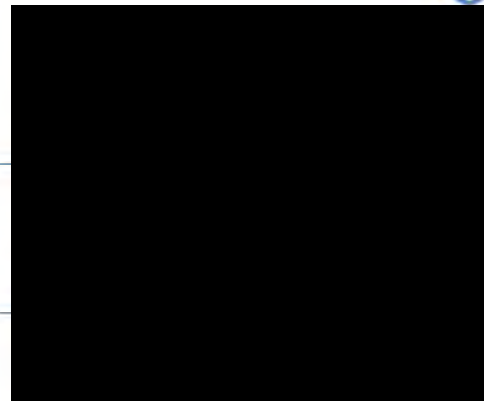
JENNIFER SMITH

has met the requirements of the standards set forth by the
National Certification Board
and is hereby granted certification as a

Certified Playground Safety Inspector



**Certified
Playground
Safety Inspector**



September 29, 2017

DATE CERTIFIED

39669-1020

CERTIFICATION NUMBER

October 01, 2020

EXPIRATION DATE



NRPA National Recreation
and Park Association



Candy Cane Park

PEN1144341-01 • 03.17.2020



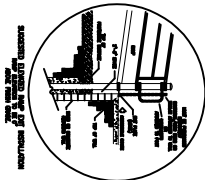
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Candy Cane Park

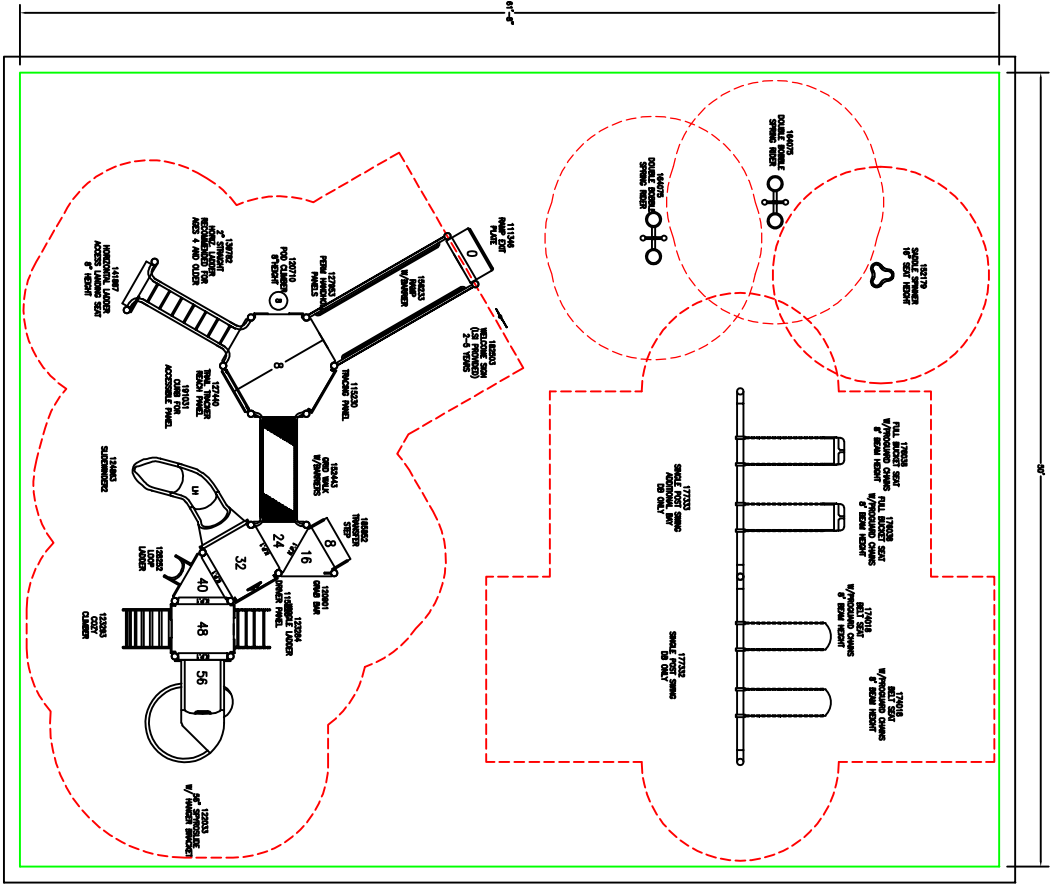
PEN1144341-01 • 03.17.2020





TOTAL ELEVATED PLAY COMPONENTS	10	4	<u>REQUIRED</u>	4
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP		4	<u>REQUIRED</u>	4
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER		6	<u>REQUIRED</u>	5
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	7	7	<u>REQUIRED</u>	3
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	3	3	<u>REQUIRED</u>	3

PlayBooster®
(2-5 years)
Max Fall Height: 96 inches



TOTAL SQUARE FOOTAGE
3084 SQ. FT.

SCALE: IN FEET

676 NEW INCUBATE
(G.P.1) QTY. (5)

Candy Cane Park

Penchura LLC

SYSTEM TYPE:
PlayShaper

DRAWING #:
PEN1144341-01

The play components identified on this plan are PFAA certified. (A unique model number is provided with ²) The use and disposal of these components conforms to the requirements of ASTM F1367-2 to verify product certification. (All components are manufactured in the USA.)

**THIS PLAY AREA & PLAY EQUIPMENT IS
DESIGNED FOR AGES 2-5 YEARS
UNLESS OTHERWISE NOTED ON PLAY.**

IT IS THE MANUFACTURERS OPINION THAT THIS PLAY AREA DOES CONFORM TO THE ADA ACCESSIBILITY STANDARDS, ASSURING AN ACCESSIBLE PROTECTIVE SURFACING IS PROVIDED, AS INDICATED, OR WITHIN THE ENTIRE USE ZONE.

THIS CONCEPTUAL PLAN WAS BASED ON INFORMATION AVAILABLE TO US, PRIOR TO CONSTRUCTION. DETAILED SITE INFORMATION INCLUDING SITE DIMENSIONS, TOPOGRAPHY, EXISTING UTILITIES, SOIL CONDITIONS, AND DRAINAGE SOLUTIONS SHOULD BE OBTAINED, EVALUATED, & UTILIZED IN THE FINAL DESIGN. PLEASE VERIFY ALL DIMENSIONS OF PLAY AREA, SIZE, ORIENTATION, AND LOCATION OF ALL EXISTING UTILITIES, EQUIPMENT, AND SITE FEATURES PRIOR TO ORDERING SLIDES. SHOULD NOT FACE THE HOT AFTERNOON SUN.

CHOOSE A PROTECTIVE SURFACING MATERIAL THAT HAS A CERTAIN HEIGHT VALUE TO MEET THE MAXIMUM FALL HEIGHT FOR THE EQUIPMENT (SEE ASTM PLASTIC STANDARD FOR CONSUMER SAFETY). PERFORMANCE SPECIFICATION FOR PLAYGROUND EQUIPMENT FOR PUBLIC USE, SECTION C CURRENT REVISION, THE SURFACING MUST BE WELL DRAINAGE. IF THE SOIL DOES NOT DRAIN IMMEDIATELY IT MUST BE TILED OR SLOPED 1/8" TO 1/4" PER FOOT TO A STORM SEWER OR A "FRENCH DRAIN".

IT IS THE MANUFACTURER'S OPINION AND INTENT THAT THE LAYOUT OF THESE COMPONENTS CONFORM WITH THE U.S. CONSUMER PRODUCT SAFETY COMMISSION'S (CPSC) HANDBOOK FOR PUBLIC PLAYGROUND SAFETY[®].

DESIGNED BY: VC

COPYRIGHT: 3/17/20
LANDSCAPE STRUCTURES, INC.
801 7th STREET SOUTH • P.O. BOX 196
DELAND, MIAMI 33326
PH: 1-800-358-0035 FAX: 1-763-872-8081

Date	Previous Drawing #	Initials



PlayCAD Quote

Date:03/17/2020
By:VC

Rep Organization: Penchura LLC
Contact Person: Jennifer Smith

Quote No: PEN1144341-01

Project Title: Candy Cane Park

Location:

PlayBooster® (2-5 years)						
PHASE-1 Direct Bury Aluminum			UNIT		TOTAL	
QTY	NO.	DESCRIPTION	WEIGHT (lb)	PRICE (US \$)	WEIGHT (lb)	PRICE (2020)
PlayBooster®						
Bridges & Ramps						
1	152443A	Grid Walk w/Barriers			328.0	3,240.00
1	111346B	Ramp Exit Plate DB			44.0	485.00
1	156233A	Ramp w/Barriers			554.0	4,885.00
Climbers W/Permalene Handholds						
1	123293B	Cozy Climber Perm Handholds 48"Dk DB			126.0	2,460.00
1	128252A	Loop Ladder 40"Dk DB			63.0	870.00
1	123284C	Wiggle Ladder 48"Dk DB			52.0	710.00
Decks						
1	178710A	Hexagon Tenderdeck			285.0	2,735.00
5	121948A	Kick Plate 8"Rise	13.0	110.00	65.0	550.00
2	111228A	Square Tenderdeck	118.0	955.00	236.0	1,910.00
1	185852A	Transfer Step w/2 Handloops DB			77.0	935.00
3	111231A	Triangular Tenderdeck	62.0	740.00	186.0	2,220.00
Enclosures						
1	191031A	Accessible Panel Curb			5.0	105.00
1	115228A	Driver Panel Above Deck			46.0	810.00
1	127953A	Handhold Panel Set			24.0	265.00
1	115230A	Tracing Panel Above Deck			44.0	680.00
1	127440A	Trail Tracker Reach Panel Above Deck			19.0	445.00
Motion & More Fun						
1	120901A	Grab Bar			5.0	180.00
Overhead Events						
1	139782A	2"Horizontal Ladder 4-5 Years			74.0	870.00
1	141887A	Access/Landing Assembly Seat Barrier Right 8"Dk			36.0	570.00
Posts						
5	111404G	100"Alum Post DB	26.0	275.00	130.0	1,375.00
2	111404F	108"Alum Post DB	28.0	280.00	56.0	560.00
1	111404E	116"Alum Post DB			29.0	285.00
2	111404D	124"Alum Post DB	30.0	330.00	60.0	660.00
2	111404C	132"Alum Post DB	31.0	345.00	62.0	690.00
2	111404J	76"Alum Post DB	19.0	240.00	38.0	480.00

PlayCAD Quote

Date:03/17/2020
By:VC

Rep Organization: Penchura LLC
Contact Person: Jennifer Smith

Quote No: PEN1144341-01

Project Title: Candy Cane Park

Location:

PlayBooster® (2-5 years)						
PHASE-1 Direct Bury Aluminum			UNIT		TOTAL	
QTY	NO.	DESCRIPTION	WEIGHT (lb)	PRICE (US \$)	WEIGHT (lb)	PRICE (2020)
4	111404I	84"Alum Post DB	21.0	255.00	84.0	1,020.00
1	111404H	92"Alum Post DB			23.0	265.00
Slides						
1	124863A	SlideWinder2 32"Dk DB 1 Left			139.0	1,920.00
1	122033D	SpyroSlide 56"w/Hanger Bracket DB ¹			402.0	5,525.00
Freestanding Play Climbers						
1	120710A	Pod Climber 8" DB			12.0	265.00
Motion & More Fun						
2	164075B	Double Bobble Rider DB	131.0	1,925.00	262.0	3,850.00
1	152179A	Saddle Spinner DB 16"Height			40.0	950.00
Signs						
1	182503A	Welcome Sign (LSI Provided) Ages 2-5 years Direct Bury			24.0	0.00
Swings						
2	174018A	Belt Seat ProGuard Chains for 8' Beam Height	8.0	120.00	16.0	240.00
2	176038A	Full Bucket Seat ProGuard Chains for 8' Beam Height	14.0	325.00	28.0	650.00
1	177332A	Single Post Swing Frame 8' Beam Height Only			213.0	1,180.00
1	177333A	Single Post Swing Frame Additional Bay 8' Beam Height Only			129.0	880.00

SUMMARY	CONCRETE (cu-ft)	FOOTINGS (count)	LABOR (man-hours)	WEIGHT (lb)	PRICE (2020)
PlayBooster® (2-5 years) PHASE-1	91.3	40	70.0	4,016.0	45,720.00
Total Safety Zone Area = 2231 sq. ft.					

ALL PHASES	PlayBooster®	53.4	32	53.0	3,292.0	37,705.00
	Freestanding Play	37.9	8	17.0	724.0	8,015.00
	Total	91.3	40	70.0	4,016.0	45,720.00

PlayCAD Quote

Date:03/17/2020
By:VC

Rep Organization: Penchura LLC
Contact Person: Jennifer Smith

Quote No: PEN1144341-01

Project Title: Candy Cane Park

Location:

- Square Footage calculation is approximate and for estimation purposes only. Landscape Structures shall not be held liable for any costs associated with surfacing by others.
- Estimated man-hours do not include hours for custom product installation or site preparation.
- ¹ This Quote has a total weight above 5,000 lbs or product(s) that require a freight quote. Freight tables cannot be used - Please contact LSI for a freight quote.
- This quote is valid for 60 days. Purchase orders submitted with an expired quote are subject to price changes. Custom freight quotes are valid for 30. Expired custom freight quotes are subject to changes.



Candy Cane Park

Model Information

Ypsilanti MI

March 17, 2020

PEN1144341-01 PLAYBOOSTER®
(2-5 YEARS)



SlideWinder2®



SpyroSlide™



Cozy Climber™ w/Permalene®
Handholds



Loop Ladder w/Permalene® Handholds



Wiggle Ladder w/Permalene®
Handholds



Access/Landing Assembly Seat



Horizontal Ladder, Ages 4-5



Grid Walk w/Barriers



Ramp w/Barriers

Models shown include standard play products only.

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we play today.®

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Candy Cane Park

Model Information

Ypsilanti MI

March 17, 2020

PEN1144341-01 PLAYBOOSTER®

(2-5 YEARS)



Curb



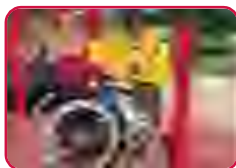
Driver Panel (Permalene®)



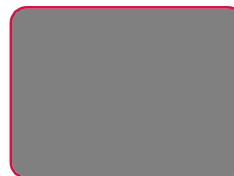
Handhold Panel



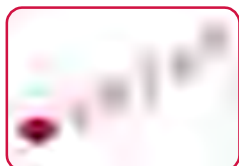
Tracing Panel



Trail Tracker® Reach Panel



Grab Bar



Pod Climber® 8"



Bobble Rider™, Double



Saddle Spinner

Models shown include standard play products only.

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Penchura LLC



Candy Cane Park

Model Information

Ypsilanti MI

March 17, 2020

PEN1144341-01 PLAYBOOSTER®
(2-5 YEARS)



Belt Seat w/Chains



Full Bucket Seat w/Chains



Single Post Swing Frame



**Single Post Swing Frame Additional
Bay**

Models shown include standard play products only.

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Since January 2008, Landscape Structures has partnered with American Forests to purchase trees which will offset the CO₂ generated in our manufacturing processes. These trees will not only sequester the CO₂, they help filter water, remove air pollution, provide wildlife habitat and improve our natural environment.



CARBON FOOTPRINT OF LANDSCAPE STRUCTURES PRODUCT:

Tons of CO₂: 6.05
of Trees: 18

Carbon Footprint: A measurement of the effect on the climate in terms of the amount of greenhouse gases produced in the Landscape Structures manufacturing process measured in units of carbon dioxide (CO₂).

RECYCLED CONTENT OF LANDSCAPE STRUCTURES PRODUCT:

Steel	856 lbs.
Aluminum	530 lbs.
Rubber	0 lbs.
Plastic	143 lbs.
Total Recycled Content:	1,529 lbs.
Total Post-Consumer Recycled Content:	709 lbs.
Total Recycled Content (%):	38%
Total Post-Consumer Recycled Content (%):	18%
Total Weight:	4,016 lbs.

Total Recycled Content: Material that has been recovered or diverted from the solid waste stream.

Total Post-Consumer Recycled Content: Material generated by households or commercial, industrial and institutional facilities in their role as end-users. This material can no longer be used for its original intended purposes.

2009 LEED INFORMATION FOR RECYCLED CONTENT:

If you are pursuing LEED certification for your project, please share the following information with your LEED project manager.

Post-Consumer Recycled Weight:	709 lbs.
½ Pre-Consumer Recycled Weight:	½ x 820 lbs.
LEED Recycled Fraction Weight:	1,119 lbs.
LEED Recycled Fraction %:	28%
Total Recycled Content Value:	\$12,801.60

Calculations include standard play products only.



Candy Cane Park

Made in the U.S.A. Statement

Ypsilanti MI

March 17, 2020

PEN1144341-01 PLAYBOOSTER®

(2-5 YEARS)

Proudly made in the U.S.A.

Nearly all of our play products are made in Delano, Minnesota.*

This allows us to maintain control over the quality of the play equipment you purchase. While other manufacturers are increasingly sourcing components from overseas, Landscape Structures equipment is proudly made in the U.S.A.



**Total Product
Made in the U.S.A.**

99%

Calculation includes standard play products only.

*Our fabrication, rotomolding, welding and painting operations in Delano, Minnesota, U.S.A. produce the vast majority of our standard play components.

For a better tomorrow
we play today.®

playlsi.com

Proudly presented by:



Penchura LLC



2020 Playsystem Specifications

Evos®, Weevos®, PlayBooster® and PlayShaper®



All the materials used in the manufacturing of Evos®, Weevos®, PlayBooster® and PlayShaper® playstructures have a proven track record of durability and are widely used in the playground industry. All playstructures have been certified and validated to be in conformance with the ASTM F1487 Standard. Playstructures displaying the CSA and TUV logos are certified to those standards. To the best of our knowledge they also conform to the U.S. Consumer Products Safety Commission (CPSC) Guidelines.

Unless otherwise noted, all playstructures are considered accessible according to the 2010 ADA Standard for Accessible Design.

General Specifications

Material: All materials shall be structurally sound and suitable for safe play. Durability shall be ensured on all steel parts by the use of time-tested coatings such as zinc plating, galvanizing, ProShield® finish, TenderTuff™ coating, etc. Colors shall be specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless-steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications). All primary fasteners shall include a locking patch type material that will meet the minimum torque requirements of IFI-125. Manufacturer to provide special tools for pinned tamperproof fasteners.

TenderTuff Coating: Metal components to be TenderTuff-coated shall be thoroughly cleaned in a hot phosphating wash system, then primed with a water-based thermosetting solution. Primed parts shall be preheated prior to dipping in UV stabilized, liquid polyvinyl chloride (PVC), then salt cured at approximately 400 degrees. The finished coating shall be approximately .080" thick at an 85 durometer with a minimum tensile strength of 1700 psi and a minimum tear strength of 250 lbs/inch. Standard colors are available, all with a matte finish.

ProShield Finish: All metal components with ProShield finish shall be thoroughly cleaned and pretreated through a multi-stage wash system. Parts are then thoroughly dried, preheated and processed through a set of powder spray guns where a minimum .002" of epoxy primer is applied. A minimum .004" of architectural-grade Super Durable polyester TGIC powder is applied. The average ProShield film thickness is .006".

ProShield is formulated and tested per the following ASTM standards. Each color must meet or exceed the ratings listed below:

- Hardness (D3363) rating 2H
- Flexibility (D522) pass 1/8" mandrel
- Impact (D2794) rating minimum 80 inch-pounds
- Salt Fog Resistance (B117 and D1654) 4,000 hours and rating 6 or greater
- UV Exposure (G154, 340 bulb) 3,000 hours, rating delta E of 2, and 90 percent gloss retention*
- Adhesion (D3359, Method B) rating 5B

The Paint Line shall employ a "checkered" adhesion test daily.

Standard colors are available.

* Certain colors may exceed delta E of 2. Contact Landscape Structures for exceptions.

Hot Dipped Galvanized (HDG) Steel: Steel components to be Hot Dipped Galvanized shall be thoroughly cleaned of organic compounds and dirt through complete immersion in a hot alkali solution. Cleaned parts shall undergo acid pickling to remove rust or scale. All parts shall then be fluxed to eliminate surface oxides and promote intermetallic development. Prepped parts shall then be submerged in a bath of molten zinc until the part reaches 840° F and the zinc reacts to form zinc/iron intermetallic layers on all surfaces inside and out. Hot Dipped Galvanized Parts shall be manufactured and inspected according to ASTM A123.

Decks: All decks shall be of modular design and have 5/16" diameter holes on the standing surface. There shall be a minimum of (4) slots in each face to accommodate face mounting of components. Decks shall be manufactured from a single piece of low carbon 12 GA (.105") sheet steel conforming to ASTM specification A-1011. The sheet shall be perforated with a return flange on the perimeter to provide the reinforcement necessary to ensure structural integrity. There shall be no unsupported area larger than 3.5 square feet. The unit shall then be TenderTuff-coated brown or gray only. Decks shall be designed so that all sides are flush with the outside edge of the supporting posts. Not applicable for Evos or Weevos.

Concrete Products: Two processes are used to produce concrete products. (See specific product installation/specification documents.)

1. Glass Fiber Reinforced Concrete (GFRC) Products: Glass fiber is alkali-resistant (AR) with high tensile properties formulated for concrete. GFRC nominal product thickness is 1" with a unit weight of about 12 lbs per square foot and an average ultimate flexural strength of 2,100 psi per ASTM C947. Finish: Exterior latex paint suited for concrete applications.
2. Precast Concrete Products: Wet-cast solid, molded concrete with an average compressive strength of 5,000 psi per ASTM C39. Unit weight range of about 115-145 lbs per cubic foot. Finish: Exterior latex paint suited for concrete applications.

Rotationally Molded Polyethylene Parts: These parts shall be molded using prime natural linear low-density polyethylene having a tensile strength of 2400 psi per ASTM D638.

Rotational molding resin is compounded with color and UV-stabilizing additives with a nominal wall thickness typically 1/4" with some variation depending upon product type.

Standard colors are available.

Recycled Permalene Parts: These parts shall be manufactured from 3/4" high-density polyethylene that has been specially formulated for optimum UV stability and color retention. Products shall meet or exceed density of .960 G/cc per ASTM D1505, tensile strength of 2400 PSI per ASTM D638. Available in a three-layer product with (2) .100" thick colored exterior layers over a .550" thick recycled Black interior core. Standard colors are available.

Footings: Unless otherwise specified, the bury on all footings shall be 34" below Finished Grade (FG) on all in-ground play events/posts. Other types of anchoring are available upon request.

Hardware Packages: All shipments shall include individual component-specific hardware packages. Each hardware package shall be labeled with the part number, description, a component diagram showing the appropriate component, package weight, a bar code linking the hardware package to the job number, assembler's name, date and time the package was assembled, work center number and work order number.

Installation Documentation: All shipments shall include a notebook or packet of order-specific, step-by-step instructions for assembly of each component, including equipment assembly diagrams, estimated hours for assembly, footing dimensions, concrete quantity for direct bury components, fall height information, area required information and detailed material specifications.

Packing List: All shipments shall include a packing list for each skid/container, specifying the part numbers and quantities on each skid or within each container.

Packaging: All components shall be individually wrapped or bulk wrapped and placed on skids (pallets) then shrink-wrapped to provide protection during shipment. Small parts and hardware packages will be placed in crates for shipment. Other components shall be individually wrapped or bulk wrapped to provide protection during shipment.

Maintenance Kit: An order-specific maintenance kit shall be provided for each structure order. The kit will include a notebook or packet with a second set of installation documents and order-specific maintenance documentation with recommendations on how often to inspect, what to look for and what to do to keep the equipment in like-new condition. The kit also includes touch-up primer, appropriate color touch-up paint, sandpaper, appropriate color touch-up PVC and additional installation tools for the tamperproof fasteners.

Evos® General Specifications

5" Arches: All steel arches are ProShield finished and manufactured from 5" O.D. galvanized tubing with a wall thickness of .120".

Steel Arch Mechanical Properties:

- Yield Strength (min): 50,000 PSI
- Tensile Strength (min): 55,000 PSI
- Elongation: 25% in 2 inches
- Modulus of Elasticity: 29.5 x 10⁶ PSI

5" Clamps: All clamps are ProShield finished and, unless otherwise noted, shall be sand cast using a 356-T6 aluminum alloy and having the following mechanical properties:

- Ultimate Tensile: 35,000 PSI
- Yield Strength: 18,000 PSI
- Elongation: 8% in 2 inches

Steel-reinforced cables: Made of tightly woven, polyester-wrapped, six-stranded galvanized steel cable. These abrasion-resistant, color-stable cables are extremely durable and vandal resistant. Black only.

Weevos® General Specifications

3-1/2" Arches: All steel arches are ProShield finished and manufactured from 3-1/2" O.D. galvanized tubing with a wall thickness of .120".

Steel Arch Mechanical Properties:

- Yield Strength (min): 50,000 PSI
- Tensile Strength (min): 55,000 PSI
- Elongation: 25% in 2 inches
- Modulus of Elasticity: 29.5 x 10⁶ PSI

3-1/2" Clamps: All clamps are ProShield finished and, unless otherwise noted, shall be sand cast using a 356-T6 aluminum alloy and having the following mechanical properties:

- Ultimate Tensile: 35,000 PSI
- Yield Strength: 18,000 PSI
- Elongation: 8% in 2 inches

Steel-reinforced cables: Made of tightly woven, polyester-wrapped, six-stranded galvanized steel cable. These abrasion-resistant, color-stable cables are extremely durable and vandal resistant. Black only.

PlayBooster® General Specifications

Posts: Post length shall vary depending upon the intended use and shall be a minimum of 42" above the deck height. All posts shall be ProShield finished to specified color. All posts shall have a "finished grade marker" positioned on the post identifying the 34" bury line required for correct installation and the top of the loose fill protective surfacing. Top caps for posts shall be aluminum die cast from 369.1 alloy and ProShield finished to match the post color. All caps shall be factory installed and secured in place with (3) self-sealing rivets. A molded low-density polyethylene cap, with drain holes, shall be pressed onto the bottom end of the post to increase the footing area.

Steel Posts: All steel PlayBooster posts are manufactured from 5" O.D. tubing with a wall thickness of .120" and shall be galvanized after rolling and shall have both the I.D. and the cut ends sprayed with a corrosion resistant coating.

Steel Post Mechanical Properties:

- Yield Strength (min): 50,000 PSI
- Tensile Strength (min): 55,000 PSI
- Elongation: 25% in 2 inches
- Modulus of Elasticity: 29.5 x 10⁶ PSI

Aluminum Posts: All aluminum PlayBooster posts are manufactured from 6005-T5 extruded tubing conforming to ASTM B-221. Posts shall have a 5" outside diameter with a .125" wall thickness.

Aluminum Post Mechanical Properties:

- Yield Strength (min): 35,000 PSI
- Tensile Strength (min): 38,000 PSI
- Elongation: 10% in 2 inches
- Modulus of Elasticity: 10 x 10⁶ PSI

Arch Posts: Aluminum arch posts shall be manufactured from 6005-T5 alloy. The arch shall be formed to a 21" center line radius to complement the 42" center-to-center module. The arch shall be of one continuous piece construction. There shall be no welds or additional pieces mechanically fastened to manufacture the arch. Each arch shall be designed to provide a minimum of 90 1/2" clear span from the deck to the inside of the arch at the radius peak. Arches shall be ProShield finished to a specified color.

Clamps: All clamps are ProShield finished and, unless otherwise noted, shall be die cast using a 369.1 aluminum alloy and have the following mechanical properties:

- Ultimate Tensile: 47,000 PSI
- Yield Strength: 28,000 PSI
- Elongation: 7% in 2 inches
- Shear Strength: 29,000 PSI
- Endurance Limit: 20,000 PSI

Each functional clamp assembly shall have an appropriate number of half clamps and shall be fastened to mating parts with (2) 3/8" x 1 1/8" pinned button head cap screws (SST) and (2) stainless-steel (SST) recessed "T" nuts. A 1/4" aluminum drive rivet with stainless steel pin is used to ensure a secure fit to the post.

PlayBooster® General Specifications *continued*

PlayBooster® clamps have three functional applications and shall be named as follows:

1. Offset hanger clamp assembly
2. Deck hanger clamp assembly
3. Hanger clamp assembly

Netplex Clamps: All clamps are ProShield finished and, unless otherwise noted, shall be die cast using a 369.1 aluminum alloy and have the following mechanical properties:

- Ultimate Tensile: 47,000 PSI
 - Yield Strength: 28,000 PSI
 - Elongation: 7% in 2 inches
- Shear Strength: 29,000 PSI
- Endurance Limit: 20,000 PSI

Each functional clamp assembly shall have an appropriate number of rope clamps and back clamps and shall be fastened to each other with (2) 5/8" x 1 1/2" pinned button head cap screws (SST) and (2) stainless-steel (SST) recessed "T" nuts. Either a face clamp shall be fastened to rope clamp with (2) 3/8" by 1-3/8" pinned button head cap screws or a single tab casting plate shall be fastened to rope clamp with (4) 3/8" by 1-3/8" pinned button head cap screws with 3/8" SAE flat washers. A 1/4" x 5/8" aluminum drive rivet with stainless steel pin is used to ensure a secure fit to the post.

Geoplex Clamps: All clamps are ProShield finished and, unless otherwise noted, shall be fabricated from 7GA using .179" (4.54 mm) T316 stainless steel.

- Ultimate Tensile: 84,000 PSI
- Yield Strength: 25,000 PSI

Each functional clamp assembly shall have an appropriate number of locking clamps and shall be fastened to mating parts with (2) 3/8" x 7/8" pinned button head cap screws (SST) with (2) 3/8" SAE flat washers. A 1/4" aluminum drive rivet with stainless steel pin is used to ensure a secure fit to the post.

Steel-reinforced cables: Made of tightly woven, polyester-wrapped, six-stranded galvanized steel cable. These abrasion-resistant, color-stable cables are extremely durable and vandal resistant. Available in Black or Red. Some products available in Black only or Red only.

PlayOdyssey® Structural Frame: Post length of the double ladder/central column shall vary depending upon the deck height and shall be flush with the bottom of a deck infill or a minimum of 46" above the deck height. All posts shall be ProShield finished to specified color. All posts shall have a "finished grade marker" positioned on the post identifying the 60" bury line required for correct installation and the top of the loose fill protective surfacing. Post caps shall be aluminum die cast from 369.1 alloy and ProShield finished to match the post color. All caps shall be factory installed and secured in place with (3) self sealing rivets. A molded low-density polyethylene cap, with drain holes, shall be pressed onto the bottom end of the ladder posts to increase the footing area. Ladders are bolted together below grade to act as a single column for installation purposes. The deck support weldments/arms are

comprised of 5/16" (.313") steel conforming to 1010 steel per ASTM A635 and welded to a 52" steel post. Arms are secured to each ladder post with (4) 5/8" x 1 1/2" pinned button head cap screws through (2) 1/4" flanges.

PlayOdyssey Optional Aluminum Roof Posts: All formed aluminum PlayOdyssey roof posts are manufactured from 6005-T5 extruded tubing conforming to ASTM B-221. Posts shall have a 5" outside diameter with a .125" wall thickness. Post sleeve shall have 4.675" outside diameter with a .150" wall thickness. Post cap shall be aluminum die cast from 369.1 alloy and ProShield finished to match the post color. All caps shall be factory installed and secured in place with (3) self-sealing rivets.

Vibe® Handholds: Rotomolded shell, with 7 GA (.179") HRPO steel sheet insert that is zinc plated then ProShield finished. Standard colors are available.

Vibe Roof: Rotomolded shell, with 12 GA (.105") HRPO steel sheet insert that is zinc plated then ProShield finished. Standard colors are available.

Vibe Enclosures: Rotomolded shell, with 7 GA (.179") HRPO steel sheet insert that is zinc plated then ProShield finished. Standard colors are available. Option of 10 activity panels available in standard Permalene® colors. Also available bubble or window panel made of 1/4" clear polycarbonate.

PlayShaper® General Specifications

Posts: 2 3/8" square aluminum posts shall have a minimum wall thickness of .125" and be extruded of 6005-T5 aluminum alloy and have rounded corners and ribbed faces for maximum safety. A cast aluminum top cap shall be installed at the factory with stainless steel knurled spacers and aluminum drive rivets. Flanges for panels and deck supports shall be extruded of 6061-T6 aluminum alloy and slide into slots extruded in posts. Flanges and deck supports shall be attached in the factory with stainless steel knurled spacers and aluminum drive rivets. All direct bury posts shall have a "finished grade marker" positioned on the post identifying the 34" bury line and the top of the required surfacing. A molded low-density polyethylene cap, with drain holes, shall be pressed onto the bottom end of the post to increase the footing area. Posts shall have a post number sticker for installation purposes. All surface mount posts shall be continuously welded to a 1/4" x 6" square 6061-T6 aluminum surface mount plate and allow for 2" of protective surfacing. Posts shall be ProShield finished to a specified color.

Aluminum Post Mechanical Properties:

- Yield Strength (min): 35,000 PSI
- Tensile Strength (min): 38,000 PSI
- Elongation: 10% in 2 inches
- Modulus of Elasticity: 10 x 10⁶ PSI

Arch Posts: Arch posts shall have the same shape as the posts and be extruded from 6063-T4 aluminum alloy. Roof support flanges shall be of the same shape and material as the panel flanges. Arch shall be formed in a 180 degree arc on a 21" center line radius. Arches shall be secured to standard length posts with solid aluminum sleeves that are tapped to receive (16) 3/8" x 5/8" pinned button head cap screws per arch. Arch posts shall be ProShield finished to a specified color.



601 7th Street South, Delano, MN 55328-8605 USA 888.438.6574 763.972.5200 playlsi.com



Landscape Structures Inc. ("Manufacturer") warrants that all playstructures and/or equipment sold will conform in kind and in quality to the specifications manual for the products identified in the Acknowledgment of Order and will be free of defects in manufacturing and material. Manufacturer further warrants:

100-Year Limited Warranty On all PlayBooster® and PlayShaper® aluminum posts, stainless steel fasteners, clamps, beams and caps against structural failure due to corrosion/natural deterioration or manufacturing defects, and on PlayBooster steel posts against structural failure due to material or manufacturing defects.

15-Year Limited Warranty On all Evos® and Weevos® steel arches, all plastic components (including TuffTimbers™ edging), all aluminum and steel components not covered above, Mobius® climbers, Rhapsody® Outdoor Musical Instruments, decks and TenderTuff™ coatings (except Wiggle Ladders, Chain Ladders and Swing Chain) against structural failure due to material or manufacturing defects.

10-Year Limited Warranty On concrete products against structural failure due to natural deterioration or manufacturing defects. Does not cover minor chips, hairline cracks or efflorescence.

8-Year Limited Warranty On Aeronet® climbers and climbing cables against defects in materials or manufacturing defects.

5-Year Limited Warranty On Rhapsody® cables and mallets against defects in materials or manufacturing defects.

3-Year Limited Warranty On all other parts, i.e.: Pulse® products, all swing seats and hangers, Mobius climber handholds, Wiggle Ladders, Chain Ladders and ProGuard™ Swing Chain, Track Ride trolleys and bumpers, all rocking equipment including Sway Fun® gliders, belting material, HealthBeat® resistance mechanism, Seesaws, etc., against failure due to corrosion/natural deterioration or manufacturing defects.

The environment near a saltwater coast can be extremely corrosive. Some corrosion and/or deterioration is considered "normal wear" in this environment. Product installed within 500 yards (457 meters) of a saltwater shoreline will only be covered for half the period of the standard product warranty, up to a maximum of five years, for defects caused by corrosion. Products installed in direct contact with saltwater or that are subjected to salt spray are not covered by the standard warranty for any defects caused by corrosion.

This warranty does not include any cosmetic issues or wear and tear from normal use of the product, or misuse or abuse of the product. It is valid only if the playstructures and/or equipment are erected to conform with Landscape Structures' installation instructions and maintained according to the maintenance procedures furnished by Landscape Structures Inc.



2019 Play Equipment Warranty

You have our word.

All the warranties commence on date of Manufacturer's invoice. Should any failure to conform to the above express warranties appear within the applicable warranty period, Manufacturer shall, upon being notified in writing promptly after discovery of the defect and within the applicable warranty period, correct such nonconformity either by repairing any defective part or parts, or by making available a replacement part within 60 days of written notification. Manufacturer shall deliver the repaired or replacement part or parts to the site free of charge, but will not be responsible for providing labor or the cost of labor for the removal of the defective part or parts, the installation of any replacement part or parts or for disposal costs of any part or parts. Replacement parts will be warranted for the balance of the original warranty.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.

The remedies hereby provided shall be the exclusive and sole remedies of the purchaser. Manufacturer shall not be liable for any direct, indirect, special, incidental or consequential damages.

Manufacturer neither assumes nor authorizes any employee, representative or any other person to assume for Manufacturer any other liability in connection with the sale or use of the structures sold, and there are no oral agreements or warranties collateral to or affecting this agreement. The warranties stated above are valid only if the structures and/or equipment are erected in conformance with Landscape Structures' installation instructions and maintained according to the maintenance procedures furnished by Landscape Structures Inc.; have been subjected to normal use for the purpose for which the goods were designed; have not been exposed to saltwater or salt spray; have not been subject to misuse, negligence, vandalism, or accident; have not been subjected to addition or substitution of parts; and have not been modified, altered, or repaired by persons other than Manufacturer or Manufacturer's designees in any respect which, in the judgement of Manufacturer, affects the condition or operation of the structures.

To make a claim, send your written statement of claim, along with the original job number or invoice number to: Landscape Structures Inc. 601 7th Street South, Delano, Minnesota, 55328-8605.

Signed:

President

Date:

01/01/2019



Terms of Sale

PRICING: Landscape Structures' list prices do not include delivery and handling charges. Prices are subject to change without notice.

TERMS: To tax-supported institutions and those with established credit: net 30 days from the date of the invoice. 1.5% per month thereafter; freight charges are prepaid and applied to the invoice.

TAXES: Landscape Structures' list prices do not include applicable taxes, if any.

WEIGHTS: Weights are approximate and may vary.

DELIVERY: If delivery of the equipment is by common carrier, and there is damage or a shortage, notify the carrier at once and sign delivery documents provided by the carrier noting the damage or shortage. Most products are delivered on large pallets and will require a forklift or similar equipment to unload as a unit on the site.

INSTALLATION: All playstructures and/or equipment are delivered unassembled and packaged with recyclable materials. For a list of factory-certified installers in your area, please contact your Landscape Structures playground consultant.

SERVICE: We have knowledgeable, qualified playground consultants throughout the world who are available to help you before, during and after the sale. Landscape Structures has exclusive design software that features all of our parts and pieces in pull-down menus. With this software, your playground consultant can design a playground layout that meets not only your needs, but ASTM and CPSC standards as well. In addition, we have a full staff of NPSI-certified designers, along with 2D and 3D drawing capabilities and custom capabilities to assist you with your playground plans.

RETURN POLICY: As an indication of our commitment to our customers, Landscape Structures will accept returns of new structures and/or new equipment purchased within 60 days of the original invoice date. Advance notification is necessary to ensure proper credit. Parts not included in this return policy are custom parts (including PlayShaper® posts), as well as used or damaged parts. A 20% restock fee plus all return freight charges will apply to all product returns. NOTE: All parts are subject to inspection upon return. Parts returned damaged may not receive a full credit. For this reason, it is important that all returned parts are properly packaged to prevent damage while in transit.

PRODUCT CHANGES: Because of our commitment to safety, innovation, and value, we reserve the right to change specifications at any time.

PLEASE CONTACT US AT:

Landscape Structures Inc.
601 7th St. South
Delano, MN 55328-8605
888.438.6574 (*inside the U.S.A.*)
763.972.5200 (*outside the U.S.A.*)
playlsi.com











PROPOSAL FORM

Owner: City of Ypsilanti, a Michigan home rule city
One S. Huron Street
Ypsilanti, MI 48197

Firm Name: Great Lakes Recreation Co. (herein called "Bidder")

* a corporation organized and existing laws of the State of MICHIGAN

* a partnership consisting of _____

* an individual trading as _____

By: James Kennedy

Title: Sales agent, estimator

Date: 3/10/2020

Pursuant to and in compliance with the Specifications dated February 17, 2020 and all Addenda as prepared by the Owner, we the undersigned, propose to furnish all labor, materials, equipment, and all things necessary to perform all the work associated with:

CITY OF YPSILANTI CANDY CANE PLAYGROUND

The undersigned as bidder declares that he/she has familiarized himself with the location of the proposed work and the conditions under which it must be performed, as well as the drawing and specifications which the undersigned acknowledges that he understands and accepts as adequate.

I. PROPOSAL (BASED BID):

The undersigned agrees to enter into an agreement with the Owner to complete the General Contract for the total price of:

SEVENTY - five thousand and 00/100 Dollars (use words)
\$75,000 (Use numbers)

II. COST BREAKDOWN

- a. Play equipment: 53,755 - 11,284 (Grant / Amount) = 42,471
b. Fall surfacing, concrete edging, geotextile: \$4096, 3659, 1020
c. Labor: 22,936
d. Other: Dumpster 550 to moving material

Enclosed Quote

III. MATERIAL BRAND OR TYPE (Attached specs): (see enclosed)

a. Play equipment :

Post: steel-high tensile, cold-formed - Allied Steel; DECKS:
Vinyl Deck Coating; Direct Connect - play Builders
Rotomolded plastic - compound resin; S.S. Hardware

b. Fall surfacing, concrete edging, geotextile:

Fall Surfacing: 12-13"; concrete edging 12'Wx6" Deep throughout
The 4 sides; Accessible Ramp; geotextile felt - Yes

c. Other:

Removal + DEMO of existing PGE; Swings - 1 Boy w/
2 Belt Seats

IV. WARRANTIES:

Enclosed + in LT Catalogs

V. PROPOSED STARTING DATE: Rec'd of order + 6 wks

VI. ESTIMATED COMPLETION DATE: once started 7-12 WKS

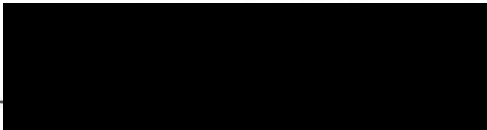
VII. ATTACHMENTS:

- a. Reference list
- b. Equipment specification
- c. Any other information - Insurance Certificate

Signature: _____

Name: _____

Title: _____



James Kennedy

Sales Agent, estimator

AIA[®] Document A310[™] – 2010

Bid Bond

CONTRACTOR:

(Name, legal status and address)

PLAYPOWER LT FARMINGTON, INC. (F/K/A
LITTLE TIKES COMMERCIAL PLAY
SYSTEMS) C/O GREAT LAKES RECREATION
878 E. US Hwy 60
Monett, MO 65708

SURETY:

(Name, legal status and principal place
of business)

ATLANTIC SPECIALTY INSURANCE COMPANY
605 Highway 169 North
Plymouth, MN 55441

This document has important legal
consequences. Consultation with
an attorney is encouraged with
respect to its completion or
modification.

Any singular reference to
Contractor, Surety, Owner or
other party shall be considered
plural where applicable.

OWNER:

(Name, legal status and address)

CITY OF YPSILANTI

1 South Huron Street, Ypsilanti, MI 48197

BOND AMOUNT: Five Percent of Amount bid
(5% of Amount Bid)

PROJECT:

(Name, location or address, and Project number, if any)

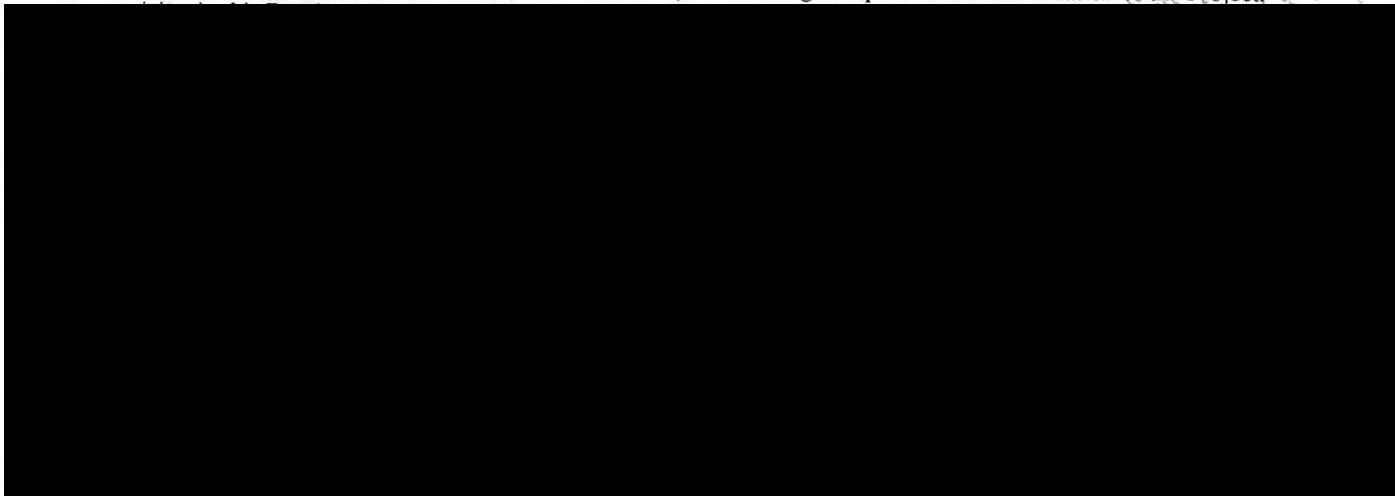
City of Ypsilanti Candy Cane Playground

Project Number, if any:

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project,

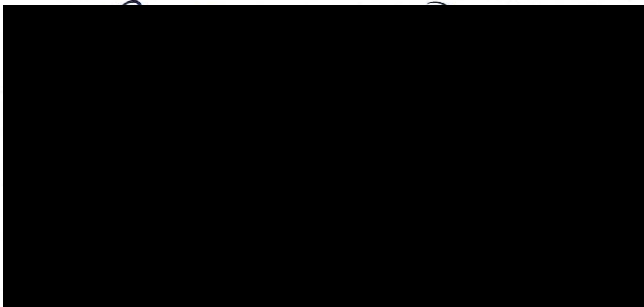


ACKNOWLEDGEMENT BY SURETY

STATE OF MISSOURI
COUNTY OF ST. LOUIS CITY

On this 9th day of March, 2020, before me, Salena Wood, a Notary Public, within and for said County and State, personally appeared Jennifer Williams to me personally known to be the Attorney-in-Fact of and for Atlantic Specialty Insurance Company and acknowledged that s/he executed the said instrument as the free act and deed of said Company.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in the aforesaid County, the day and year in this certificate first above written.



STATE OF MISSOURI
St. Louis County
My Commission Expires: July 19, 2023
Commission #15129105

Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: **Susan A. Welsh, Ann Mullins, Sandra M. Winsted, Christopher P. Troha, Michelle D. Krebs, Salena Wood, Sandra M. Nowak, Jennifer Williams, Christina L. Sandoval, Derek J. Elston, Bartlomiej Siepierski, Aerie Walton, Barbara Pannier**, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **sixty million dollars (\$60,000,000)** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer may be executed by facsimile to any power of attorney or to any contract, bond, undertaking, recognizance or other written obligation, provided that as the original signature of such officer and the seal of the Company are manually affixed.

IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused this Power of Attorney to be affixed this twenty-ninth day of April, 2019.

STATE OF MINNESOTA
HENNEPIN COUNTY

On this twenty-ninth day of April, 2019, before me personally known to be the individual and officer described in the foregoing, duly sworn, that he is the said officer of the Company aforesaid, and his signature as such officer was duly affixed and subscribed to the foregoing Power of Attorney.



I, the undersigned, Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, do hereby certify that the foregoing Power of Attorney is in full force and has not been revoked, and the resolutions set forth herein are true and correct.

Signed and sealed. Dated 9th day of March

This Power of Attorney expires
January 31, 2023



copy file
①
Jim and Jamie Kennedy, CPSI

Great Lakes Recreation Company – Kennedy Sales, Inc.

19683 Tanglewood Circle

Clinton Township, Michigan 48038

Toll Free: 800-782-0611

Great Lakes Recreation Company & Kennedy Sales, Inc.

Great Lakes Recreation Company is represented by Kennedy Sales, Inc. in southeast Michigan. We are the exclusive representatives of Little Tikes Commercial, Wabash Valley plus Americana shelters, and Patterson Williams Athletic/Site Furnishings, which has been in business for 96 years. We also offer many other products, so we can assist you with all your recreational needs.

Jim and Jamie Kennedy have sold playground and recreation projects totaling over \$20 million since November of 2000. We are local residents, who are familiar with the communities in this area. We designed, sold and installed many playgrounds, picnic areas, baseball and soccer fields, basketball and volleyball courts across our territory.

GLRC and Kennedy Sales have experience with playground equipment and safety surfacing, shelters, site amenities and sports field equipment. Since 2003, we were the main supplier of new playgrounds and playground maintenance for Detroit Public Schools. The total value of the new playground projects and repairs that we supervised for DPS was in excess of \$3.6 million.

Jamie Kennedy, CPSI, designed and sold the new playground at Townhouse Plaza Cooperative Housing in Clinton Township, Michigan 48035. Jamie will help you fulfill your vision for an exciting, safe playground for your children. He can also provide information on doing a Community Build installation which could save you 18% - 20%, by having much of the labor done by volunteers.

Great Lakes Recreation GLRC will be able to inspect, evaluate, repair and/or replace playground equipment, site furnishings, border timbers, drainage and safety surfacing. Our proposal will list all parts, materials and labor that will be required to bring the playground into compliance with current safety and ADA requirements.

We believe that Great Lakes Recreation Company offers the best local service, product knowledge and excellent equipment to update your park and playground.

Let's keep making it right for the kids!

Jim & Jamie Kennedy



PlayPower LT Farmington, Inc.
878 E. US Hwy 60
Monett, MO 65708
1-800-325-8828

For PlayPower Internal Use Only
ORDER: 0000200010
PROJECT: R0336_43897660128_02

Clayton Core Park

74 Uses

PlayArea_2_1

Product line: KidBuilders
Age group: 5-12

Ypsi

*3812 - 975 sqft swings
2837 sqft*

Components

Part Number	Description	Qty	Weight	Volume	Unit Price	Total
100005274	PB SQUARE DECK	1	77.00	3.00	656.00	656.00
200008193	TOOL BOX KID BUILDERS #2, S.S. (MM)	1	3.00	0.36	0.00	0.00
200054613	PB PANEL ARCH WINDOW	1	22.00	3.00	769.00	769.00
200058177	PB SAFETY LOOP	1	17.00	1.00	287.00	287.00
200059056	PB 3660 RAMP W/GUARD RAILS	1	359.00	24.00	2,452.00	2,452.00
200059057	PB 3660 RAMP W/SAFETY RAILS	2	481.00	24.00	3,281.00	6,562.00
200064814	SLIDE WAVE SGL.WD. 1625MM F/PB	1	150.00	48.00	1,336.00	1,336.00
200067758	LADDER PANEL BELOW DECK 915 F/PB W/SFTY	1	79.00	2.00	570.00	570.00
200083258	SLIDE SGL.WD. 610MM/24" F/PB	1	78.00	16.00	1,058.00	1,058.00
200083503	TRANSFER STATION 610 MM F/PB	1	149.00	8.00	1,403.00	1,403.00
200084311	CHAIN NET PB 36"/915 W/SAFETY LOOPS	1	77.00	6.00	936.00	936.00
200097693	PB SIDE STEP CLIMBER 2440 DECK-TO-POST	1	117.00	19.00	1,447.00	1,447.00
200101172	POST W/CAP F/PB 2955/116.3"	4	32.00	2.00	179.00	716.00
200122443	SLIDE SPIRAL PB 1625/64 (2007)	1	378.00	188.00	4,586.00	4,586.00
200200150	PANEL PB STEEL MELODY MAKER ABOVE DECK	1	97.00	10.00	1,720.00	1,720.00
200200329	SLIDE DBL. WD.PLASTIC36"/915MM PB (2004)	1	137.00	52.00	1,094.00	1,094.00
200200455	WISHBONE 12' DBL. F/PB	1	339.00	205.00	3,010.00	3,010.00
200200530	KIT MAINTENANCE KB W/PAINT W/O LIST	1	10.00	1.00	0.00	0.00
200200650	PB TELESCOPE PANEL DKMT	1	60.00	4.00	1,137.00	1,137.00
200200685	DECK EDGE SIMULATOR F/PB RAMP LWR END	1	25.00	0.50	94.00	94.00
200200753	PB INFINITY FLEX GROUND TO DECK SGL	1	250.00	140.00	2,443.00	2,443.00
200201048	PB BALCONY DECK W/ RAIL F/ WHEEL	1	100.00	20.00	1,185.00	1,185.00
200202208	STANDARD 8' STANDARD BEAM	1	273.00	13.00	1,123.00	1,123.00
200202609	PB POST W/CAP 1345MM (53")	2	19.00	1.00	111.00	222.00
200202611	PB POST W/CAP 2285MM (90")	3	33.00	2.00	131.00	393.00
200202612	PB POST W/CAP 2490MM (98")	6	36.00	2.00	144.00	864.00
200202613	PB POST W/CAP 2690MM (106")	9	39.00	2.00	152.00	1,368.00
200202614	PB POST W/CAP 2895MM (114")	4	42.00	2.00	166.00	664.00
200202615	PB POST W/CAP 3100MM (122")	2	44.00	2.00	179.00	358.00
200202619	PB POST W/CAP 3910MM (154")	2	56.00	2.00	209.00	418.00
200202621	PB POST W/CAP 4320MM (170")	2	62.00	3.00	221.00	442.00
200202764	PB BRAILLE PICTURE PANEL DKMT	1	30.00	2.00	880.00	880.00
200202835	ASSY BELT SEAT F/8' SWING W/CHAIN	2	18.00	0.50	112.00	224.00
200202879	PB CLIMBER BUMPY 1016MM DECK	1	154.00	0.00	1,704.00	1,704.00
200202993	PB HEX DECK	3	220.00	12.00	2,439.00	7,317.00
200203188	PB THERAPEUTIC RINGS	1	25.00	2.00	453.00	453.00
200203206	PB BOINGO	1	15.00	2.00	274.00	274.00
200203206	PB BOINGO	1	15.00	2.00	274.00	274.00
200203575	ASSY RAIL MT.ALUM.STEER.WHL.	1	2.00	0.08	221.00	221.00
HW7704-1	HRDW PKG F/CLAMP ELIMINATION S1/1	2	1.00	0.00	102.00	204.00

RiskSign_Included

Product line: Park Service

Age group:

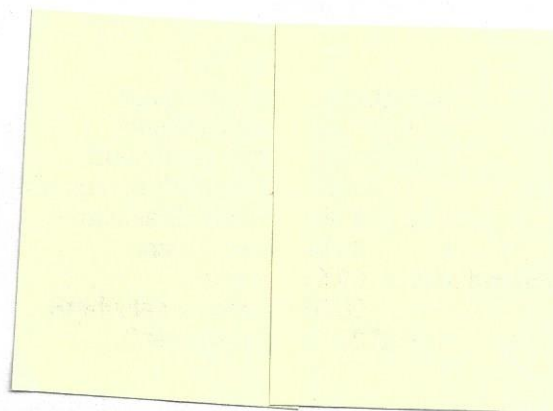
Components

Part Number	Description	Qty	Weight	Volume	Unit Price	Total
787Z	RISK MANAGEMENT SIGN - ENGLISH	1	0.00	0.00	0.00	0.00

Additional Items

Part Number	Description	Qty	Weight	Volume	Unit Price	Total
200111492	LABEL, IDENTIFICATION STAMPED W/RIVETS	3	0.00	0.00	0.00	0.00
200305596	14' MED CRATE (ASSY DOMESTIC)	1	277.00	0.00	0.00	0.00
200305597	14' LARGE CRATE (ASSY DOMESTIC)	4	385.00	0.00	0.00	0.00
925603	LABEL P/C (5 TO 12 YRS) PPLT	2	0.00	0.00	4.00	8.00
925960	THUMB DRIVE 2GB - PPLT	1	0.00	0.00	0.00	0.00
926020	LITTLE TIKES CARD F/THUMB DRIVE	1	0.00	0.00	0.00	0.00
INSTALL BOOK	INSTALL BOOK FOR PP ORDERS	1	0.00	0.00	0.00	0.00

Totals:



QUALIFICATIONS & EXPERIENCE

a. Qualifications:

1. Qualifications of Firm: Great Lakes Recreation Company can design, supply and install playgrounds, sports fields and site furnishings for any recreation or education facility. We represent vendors of play and sports items that are all manufactured in the USA. Specifications and other technical documents are available, as required. NPSI-certified crews will install per makers' specs.
2. Qualifications of Staff: Jim & Jamie Kennedy each have 14 years of experience in the playground industry. Jamie has CAD experience and designs most of our playgrounds. Our installation crews lead buy Alex Decker and Mike Austin have 10+ years of installation experience. Both are CPSI GLRC owns Tri-State Recreational Services, providing installation services to municipalities and schools in Michigan and Indiana. GLRC does not have to hire a subcontractor for its installations and repairs, this saves money for our customers.
3. Industry Knowledge and Expertise: The Kennedys' knowledge of all current ASTM and CPSC safety regulations, ADA requirements, and selection of age-appropriate equipment for preschool and elementary-age children will assure Southgate that all new playgrounds are compliant, safe, challenging and FUN.
4. Project Management and Special Services: The Kennedys designed, quoted, sold and supervised the installation of dozens of projects from 2003 to 2018, including repairs and maintenance of playgrounds with equipment from other vendors for Detroit Public Schools and other school districts.
5. Past Performance:

In the spring of 2018, Livonia Public Schools working with Mr. Harry Lau, Director of Facilities. GLRC used bond money and Sourcewell(NJPA) to put new playground equipment at 16 schools in the district. The PO for this was over 2 Million dollars. (616) 734-812-8597

Fall of 2017, Pontiac Public Schools, working with Robert England, Director of Facilities. GLRC used bond money and Sourcewell to stretch \$100,000 dollars to do all six elementary schools in the district. (248) 830-2002

Working under the direction of Mr. George Vary, DPS Department of Site Management, the Kennedys made site visits, inspected equipment, ordered parts from various manufacturers and supervised repairs of items from every supplier to DPS. Jim Kennedy was responsible for punch-outs and documentation required for DPS contracts with the vendors that he represented.

(313) 550-0652

b. Great Lakes Recreation Company - Service Team and Resume:



Jim Kennedy – Authorized Sales Agent. Playground sales and design for 19 years; site visits to assess equipment, drainage and other issues. Estimating and quoting for bid packages. Project management of installations and repairs.

Jamie Kennedy, CPSI – Project Manager & Safety Auditor. Playground sales and CAD design for 14 years. State-approved CPSI for mandatory preschool playground audits. (Not all CPSIs are approved by SOM Department of Human Services to complete paperwork for Child Care Center licensing.) Jamie is also a journeyman electrician with extensive knowledge of building trades who will be doing site visits for maintenance issues. Can perform simple repairs (like hardware replacement) on first v



Ypsilanti Candy Cane Park



P.O./Quote No: 003152020-JFK1

Proposal Date: 3/15/2020

Sales Rep: JFK

Sales Rep Phone #: 800-782-0611 TOLL FREE

Sales Rep Fax #: 1-586-228-9391

Customer Information:

Bill To:

Name: City of Ypsilanti
Address: One South Huron ST
Address: Ypsilanti, MI 48197
Contact:
Phone:
Tax ID #:

All Purchase orders/Contracts and Checks in care of:

PLAYPOWER LT FARMINGTON, INC.

PO Box 204713

DALLAS, TX 75320-4713

In care of: Great Lakes Recreation Co.

Ship To:

Name: Candy Cane Park
Address: 802 Courtland ST
Address: Ypsilanti, MI 48197
Contact:
Phone:
Fax:

We are pleased to present a quotation for the items and services, as listed:

Qty	Product #s	Description / Colors	Unit Cost	Unit Freight	Unit Installation	Total
PLAYGROUND & SITE FURNISHINGS ITEMS						
Risk Management Sign						
1	787Z	Risk Management Sign	Free		\$250.00	\$250.00
1	PB20	Playbuilder 3.5" Post System	\$49,459.00		\$12,827.00	\$62,286.00
		Ramped Hex Deck Structure				
		Good for 74 Children Ages 2-12				
8' Standard 1 Bay 2 Seats						
1	200202208	8' Standard Swing	\$1,123.00		\$950.00	\$2,073.00
2	200202835	8' Belt Seat Assembly	\$112.00			\$224.00
1	Custom	Cement Barrier Wall per Spec	\$3,359.00			\$3,359.00
1	100011002	Accessible Wheelchair Ramp	\$728.00		\$100.00	\$828.00
1	Freight	Shipping from Missouri	\$2,000.00			\$2,000.00
SITE PREP: 'x' = 3812 'SQ PLAY AREA						
1	Demo	Remove and Demo existing	\$4,778.00			\$4,778.00
99	Cubic Yards	Excavate 12"/Spoils Off Site	\$37.00			\$3,663.00
1.5	2700' Roll	Geotex Felt - 1 Layer	\$520.00	Included	\$230.00	\$1,125.00
130	Cubic Yards	Engineered Wood Fiber 12" Settled	\$32.00		Blown-In	\$4,160.00
Product certified to meet ASTM standards for impact-attenuation & ADA accessibility.						
	Lineal Feet	Barrier Fencing	\$1.00			\$0.00
	Storage	Locked Trailer w/Drop-Off & Pick-Up	\$625.00			\$0.00
1	Dumpster	Disposal of Packing Materials	\$550.00			\$550.00
2	Dumpster	Disposal of Cement Footers & Metal	\$550.00			\$1,100.00
1	Site Restore	Rake/Seed/Straw	\$800.00			\$800.00
Subtotal:						\$ 87,196.00
Less Little Tikes Sale And Free Freight						\$ 13,284.00
Net Total:						\$ 73,912.00
Sales Tax:						\$ -
PLM Bond						\$ 1,088.00
Grand Total:						\$ 75,000.00

Equipment, Materials, Freight, Installation & Sales Tax

We propose hereby to furnish materials and/or labor, in complete accordance with above specifications

for the sum of **SEVENTY FIVE THOUSAND DOLLARS**

Note: This proposal may be withdrawn by us, if not accepted by: **Month 6/15/2020** .

Payments to be made as follows:

Checks payable to:

Customer is responsible for unloading, counting & properly signing the bill of lading when equipment is delivered. Customer is responsible for storage until installation.

All material is guaranteed to be as specified.

All work to be completed in a workman-like manner, according to standard practices.

Any alteration or deviation from the above specifications involving extra cost will be done only upon written orders, and will become an extra charge over and above the estimate.

All agreements contingent upon strikes, accidents or delays beyond our control.

Owner to carry fire, tornado and other necessary insurance.

Our workers are fully covered by Workers Compensation Insurance.

Per Great Lakes Recreation Company Representative:

Authorized Signature - Great Lakes Recreation

All Purchase orders/Contracts and Checks in care of:
PLAYPOWER LT FARMINGTON, INC.
PO Box 204713
DALLAS, TX 75320-4713
In care of: Great Lakes Recreation Co.

Acceptance of Proposal: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the as specified. Payment will be as outlined below. Past due accounts subject to 1 1/2% month charge and legal fees associated with collection

Terms & Conditions: Terms are 50% deposit on equipment with order.
Payment is due net 10 days upon completion.

Signature: _____
Customer

Printed Name: _____
Customer

Notes:

1. Equipment prices include freight and installation charges in lump sum prices.
2. Full Installation includes concrete blocks and cement for all footings.
Community Build prices DO NOT INCLUDE MATERIALS FOR FOOTINGS, which must be supplied by customer.
3. Surfacing materials installation is included in lump sum price.
4. Site restoration is not included, unless specified above.

NOTES ON DELIVERY, RECEIPT AND STORAGE OF EQUIPMENT UNTIL INSTALLATION:

1. Storage trailer charge includes receiving shipment and off-loading into storage trailer.
We recommend that trailer be parked as close to playground site as possible.
Protect asphalt from damage with blocks or plywood.
2. If no storage trailer is desired, then customer MUST UNLOAD AND STORE EQUIPMENT.
3. If receiving goods, sign Bill of Lading, AFTER making sure that all items are received.
4. You will need several people to unload all items and store them securely until installation.
5. If any packages arrive with damages, **REFUSE DELIVERY OF THESE ITEMS** and note refusal on Bill of Lading.

General Notes:

Age Group

☐ 2-5yrs ☒ 5-12 yrs ☒ 2-12yrs ☐

1. The Americans with Disabilities Act (ADA) may require that you make your park and/or playground accessible when viewed in its entirety. Please consult your legal counsel to determine if the ADA applies to you.
2. For playground equipment to be considered accessible, accessible surfacing must be utilized in applicable areas.
3. Although a particular playground design may not meet the proposed Access Board Regulations in regard to the appropriate number of ground level events, the accessible playground may be in compliance when considering existing play components.
4. All deck heights are measured from top of ground.
5. Fall absorbing ground cover is required under and around all play equipment.
6. The minimum recommended fall zone around the play structure is shown. This zone is to be free of tripping or collision hazards (i.e. roots, rocks, boron material, etc.).
7. All post lengths are identified by text showing the post lengths, i.e. 96 represents a 96 inch post.
8. Not all equipment may be appropriate for all children. Supervision is required.



City of Ypsilanti
Candy Cane Park Playground
Ypsilanti, MI



Submitted By:
Jeff Martinson
jeff.martinson@playpower.com
800.722.8546 Ext. 2800
517.349.1911 (fax)



P.O. Box 130

Holly, MI 48442

800.722.8546

www.miraclemidwest.com

Sales Representative Contact:

Kim Alexander

800.722.8546

kalexander@miraclemidwest.com

- Intro Letter
- Company Profile/ Info
- Bid Forms
- References
- Playground Equipment Design Option 1
 - * Quote
 - * 3D Renderings
 - * 2D Plan Drawings
 - * Product Specification
- Playground Equipment Design Option 2
 - * Quote
 - * 3D Renderings
 - * 2D Plan Drawings
 - * Product Specification
- Playground General Information
 - * Miracle Exclusive Playground Features
 - * Color Options
 - * Warranty



Candy Cane Playground

City of Ypsilanti, MI

Intro Letter

*P.O. Box 130
Holly, MI 48442
800.722.8546*

www.miraclemidwest.com



CALL 800.722.8546

MiracleMidwest.com

*Now Serving
Michigan, Indiana,
& Ohio!*

TO: City of Ypsilanti

FROM: Miracle Recreation Equipment Company: DBA Miracle Midwest

DATE: 3/16/2020

RE: Candy Cane Park

Please find enclosed the Miracle Midwest proposal for Candy Cane Park in the City of Ypsilanti. Miracle is the oldest and largest playground manufacturer in the United States. Miracle's playground equipment is IPEMA certified to conform to ASTM F1487. In addition, Miracle is an ISO 9001 certified company and we fully comply with the CPSIA.

Miracle Midwest offers a combined total of over 170 years of experience in parks and recreation administration and more than 120 years of park and playground sales experience. As a direct dba of Miracle Recreation, we are able to offer the backing of one of the oldest and largest playground manufacturers in the United States.

Candy Cane Park Option 1 – MMW200113A-1A

- Kids' Choice Play equipment, this ramp play system designed for children 2-12 years old and accommodating 90-100 users. Reviewing our drawing MMW200113A-1A, you will find eleven (11) elevated play activities. This includes two (2) slides, three (3) climbers, six (6) interactive play panels. Also, displayed are four (4) different ground level play activities, one (1) post mount steering wheel, one (1) crunch station using upper body strength, one (1) 3' Jump Panel, one (1) post mount bell

Also Included:

- Unloading of the Equipment Delivery
- Installation of the Play Equipment seen in document MMW200113A-1A
- Installation of Engineered Wood Fiber & Geotextile Fabric (Weed Barrier)
- Our Installer is a Certified Miracle Installer and is NPSI Certified.

Candy Cane Park Option 2: MMW200114A-1A

- Kids' Choice Play equipment, this ramp play system designed for children 2-12 years old and accommodating 95-105 users. Reviewing our drawing MMW200114A-1A, you will find eleven (12) elevated play activities. This includes two (2) slides, two (2) climbers, seven (7) interactive play panels. Also, displayed are three (3) different ground level play activities, one (1) post mount steering wheel, one (1) crunch station using upper body strength, one (1) post mount bell

Also Included:

- Unloading of the Equipment Delivery
- Installation of the Play Equipment seen in document MMW200114A-1A
- Installation of Engineered Wood Fiber & Geotextile Fabric (Weed Barrier)
- Our Installer is a Certified Miracle Installer and is NPSI Certified.



IMPORTANT NOTES:

Our Proposal does NOT include:

- Soil testing
- Prevailing Wage
- Any Permits if Required
- Please see attached Documents for Full List

About our Proposal:

- Each Binder of the proposal contains all required information.
- Our bid pricing is firm for at least 60 days.
- Delivery after receipt of order is 5-7 weeks.
- Installation dates are scheduled according to availability of Installer and delivery of equipment.
- As a part of its "Earth Friendly" policy, Miracle uses no pallets. All materials are delivered on a dedicated fleet and are wrapped in heavy cardboard and packing blankets. The driver will assist with unloading and inventorying the equipment as it comes off the truck.
- Our proposal is fully compliant with CPSC, ASTM, ADA and CPSIA, including required amount of ground level events. Our proposal is IPEMA certified. Conformance is confirmed by Miracle at the bottom of each 2-D plan view drawing.
- The colors selected for our proposal were purely arbitrary. You may select colors from any of Miracle's over 30,000 possible color combinations. We have included sheets with our current offering of color choices and themes in the last section of this bid package.
- Miracle play systems feature the exclusive, patented Versalok® II Clamp Fastening System. The Versalok® system uses a two-piece component socket for faster, easier installation, and eliminates a "cluttered" look on your playstructure.

Freestanding Play System Features:

- 5" OD, 11ga. Galvanized steel posts
- 48" Square Decks
- All slides have safety sit-down canopies
- All slides are double wall constructed, meaning no exposed hardware in bed way
- All slide exits feature a single support leg, providing more support under the slide exit and eliminating possible trip hazards
- All decks, steps, bridges and ramps will be PVC coated with no openings larger than 3/8"
- All gripping surfaces feature Miracle's exclusive fluted or diamond embossed "Gator-Grip" design for all rungs and bars
- All ground to deck and vertical climbers feature 15" wide x 60" high arch entry safety enclosures. Arch entry enclosures promote single file access and egress and prevent accidental falls from decks.
- Tamper resistant stainless-steel hardware
- All decks, steps, and ramps are PVC coated perforated steel.

Bid Submission Approved By:

Jeff Martinson

Digitally signed by Jeff Martinson
DN: cn=Jeff Martinson, E=jeff.martinson@playpower.com
Reason: I have reviewed this document
Location: your signing location here
Date: 2020-03-19 15:36:48
Foxit Reader Version: 9.7.0

Jeff Martinson

PlayPower Outdoor Project's Team Manager, North America

For additional equipment information, colors and warranties. Please see the documents within the bid package.

Should you have any questions, please feel free to contact your local rep and partner in play:

Kim Alexander – kalexander@miraclemidwest.com – 800.722.8546 x 2806





Candy Cane Playground

City of Ypsilanti, MI

Company Profile/Info

*P.O. Box 130
Holly, MI 48442
800.722.8546
www.miraclemidwest.com*



Miracle Midwest

Firm History



Miracle Midwest (MMW) formerly known as Engan-Tooley-Doyle & Associates, Inc. (ETD) is a park and playground consulting, layout, design, and manufacturers' representative firm. ETD was established in 1985 as the exclusive Michigan representative and a dba of Miracle Recreation Equipment Co.



Indiana Recreation Equipment & Design, Inc. was established in November of 1994 as the exclusive Miracle Recreation Agency for the State of Indiana. **In January of 2010, the two Miracle Sales Agencies of Michigan and Indiana were combined to form Miracle of Michigan & Indiana.**



Anderson Recreational Design was established in 1994 as the exclusive supplier for Miracle equipment in the state of Ohio. **In 2012, Ohio was added to the Miracle family.**

Our sales staff offers a combined total of over 170 years of experience in park and recreation administration and more than 120 years of park and playground sales experience.

COMPANY PROFILE:

- Main office support staff located within the Manufacturing Office for added support.
- Sales force strategically located across three states for greater geographic accessibility to our customers.
- Our office locations are:

Miracle Midwest PO Box 130 Holly, MI 48442 Toll Free: (800) 722-8546 Fax: (517) 349-1911 Email: info@miraclemidwest.com Website: www.miraclemidwest.com David Tooley - Sales Manager Jeff Martinson – Direct Sales Support Mgr	West Michigan/Northern/U.P. Bill Rhodes (#R0020) (800) 722-8546 ext. *2810 brhodes@miraclemidwest.com	Port Huron/Flint/Thumb David Tooley (#R0086) (800) 722-8546 ext *2805 dtooley@miraclemidwest.com
	W. Michigan/Northern/U.P. Schools Tara Orlowski (#R0080) (800) 722-8546 ext. *2811 torlowski@miraclemidwest.com	Southeast/Mid Michigan Kim Alexander (#R0016) (800) 722-8546 ext *2806 kalexander@miraclemidwest.com
	Indiana - WEST Phil Bennett (#R0084) (800) 722-8546 x*2813 pbennett@miraclemidwest.com	Ohio Keith Alexander (#R0083) (800) 722-8546 ext. *2814 keith.alexander@miraclemidwest.com
	Indiana - EAST John Day (#R0081) (800) 722-8546 ext *2812 jday@miraclemidwest.com	Community Build Program Supervisor Juan Bradford (800) 722-8546 info@miraclemidwest.com
Strong Sales/Administrative Support (7) Sales Representatives (1) Community Build Supervisor (7) Expert Installation Crews (3) Sales Support Associates		
Sales Support Team – Ext. 0 Jeff Martinson – Direct Sales Support Team Manager Connie Stensrud – Project Coordinator Tracie Garoutte – Project Coordinator Brandy Clory – Project Coordinator Ben Shrimplin – Creative CAD Specialist		



800-722-8546

- Our Sales Representatives, Community Build Supervisor and Installers hold current certification or have been previously trained through the National Playground Safety Institute (NPSI) as Certified Playground Safety Inspectors (CPSI). Our AutoCAD designers are NPSI and Miracle trained.
- We are a member of the Michigan Better Business Bureau, the National Recreation and Park Association, Michigan Recreation and Park Association, Michigan ASLA, Lansing Regional Chamber of Commerce, Indiana Parks & Recreation Association, Indiana Townships Association, Ohio Parks & Recreation Association and numerous other professional associations.
- We can be your single source supplier for high-quality products including playground equipment, splashpads (spray playgrounds), site furnishings, athletic equipment, shade structures, shelters and gazebos, drinking fountains, poured-in-place and wood fiber safety surfacing, and much more.
- The products represented by MMW are in compliance with current safety guidelines, standards, and accessibility requirements.

MMW SERVICES INCLUDE:

- Free presentations to any size group, including Lunch & Learn programs for Architects
- Free consultation and site evaluation.
- Free layout, design, and 3D color proposal drawing plans.
- Free CSI specifications.
- Free consultation on current safety guidelines including CPSC, ASTM standards, and ADA requirements.
- Free after-sale service and inspections – thorough product warranties, replacement parts, and maintenance advice.
- Miracle provides \$5,000,000 product liability insurance with a BEST rating of A-XL.
- Full Bonding capabilities; Bid Bonds, Performance Bonds, Material Bonds.
- Miracle provides the playground industry's most comprehensive warranty.
- Expert installation and supervisory services available.
- NPSI Certified playground inspectors.
- Ask us about our Community Involvement Playground program.

MMW CONSULTATION SERVICES:

Our experienced and certified staff assists you throughout your planning process:

- Perform on-site analysis
- Target the user group and appropriate space allocation
- Recommend age-appropriate equipment and safety surfacing alternatives
- Provide innovative, practical, and functional playground layouts and designs
- Provide assistance with budgetary information and analysis for project Master Planning

MMW PERSONNEL RELATED QUALIFICATIONS AND EXPERIENCE:

MANAGERS AND HOME OFFICE SUPPORT STAFF:

- **DAVID TOOLEY, SALES MANAGER**

Business Administration, Secondary Education, Albion College

- (28) years Miracle Recreation Equipment Company installation and sales experience
- NPSI Certified CPSI

- **JEFF MARTINSON, DIRECT SALES SUPPORT MANAGER, MAIN OFFICE**

- (17) years Miracle Recreation Equipment Company experience
- Hands on experience with all scopes of projects – from design to installation

- **TRACIE GAROUTTE, PROJECT COORDINATOR, MAIN OFFICE**

- (12) years experience as Scheduler/Project Manager
- (12) years Customer Service Experience w/ Outside Sales Reps & Direct Customers

- **CONNIE STENSRUD, PROJECT COORDINATOR, MAIN OFFICE**

- (19) years Miracle Recreation Equipment Company experience
- (15) years of direct experience with Project Proposals and Customer Relations

- **BRANDY CLORY, PROJECT COORDINATOR, MAIN OFFICE**

BS- Sociology; AA- Liberal Arts & Sciences, St. Leo University / AAS- Communications Tech., USAF

- (10) years US Air Force Active Duty – Analyst
- (1) year Customer Service Experience w/ Outside Sales Reps & Direct Customers

- **BEN SHRIMPLIN, CREATIVE CAD SPECIALIST, MAIN OFFICE**

MA – Masters of Architecture, University of Kansas School of Architecture, Design & Planning

- (3 years) Project Manager Sonic Equipment Company (Theatre Equipment)
- (2 years) Playground Design Experience

COMMUNITY BUILT PROGRAM:

- **JUAN BRADFORD, INSTALLATION/CONSTRUCTION SUPERVISOR**

BS- Secondary Education, University of Omaha

- (32) years Park & Recreation Experience
- (8) years Playground Construction/Supervision experience
- NPSI Certified Playground Safety Inspector

MICHIGAN SALES REPRESENTATIVES:

- **WILLIAM RHODES, SALES-REPRESENTATIVE/PLAY ADVISOR, GRAND RAPIDS OFFICE/UPPER PENINSULA**

BA – Park & Recreation Administration, Michigan State University

MA – Park & Recreation Administration, Central Michigan University

- (36) years Park & Recreation Administration experience
- (21) years Miracle Recreation Equipment Company sales experience

- **KIM ALEXANDER, SALES-REPRESENTATIVE/PLAY ADVISOR, SOUTHEAST MICHIGAN**

BA – Major: Physical Education, Minor: Recreation, Eastern Michigan University

- (32) years Park & Recreation Administration experience
- (8) years of Miracle Recreation Company sales experience
- NPSI Certified

MICHIGAN SALES REPRESENTATIVES continued:

- **TARA ORLOWSKI, SALES REPRESENTATIVE/PLAY ADVISOR**

- (14) years of Customer Service and Sales Support for a world wide company
- Countless years of Parks and Recreation volunteer experience
- (4) year - Miracle Recreation Equipment Company sales experience

INDIANA SALES REPRESENTATIVES:

- **PHIL BENNETT, SALES REPRESENTATIVE/PLAY ADVISOR, CENTRAL SOUTHWEST INDIANA**

BS – Recreation & Park Administration, Indiana University

M.Ed – Physical Education, Miami University, Oxford Ohio

- (40) years experience in municipal Parks & Recreation, Richmond, Fort Wayne & Carmel
- Past President of Indiana Parks & Recreation Association
- (13) years Miracle Recreation Equipment Company sales experience
- CPSI Trained

- **JOHN DAY, SALES REPRESENTATIVE/PLAY ADVISOR, CENTRAL SOUTHEAST INDIANA**

Political Science Major at Indiana State University and Ball State University

Indiana Law Enforcement Academy

NPSI Trained

- (10) years as Supervisor with Shane Co., Texas
- (10) years as Owner of Alpha Publishing Group
- (18) years Miracle Recreation Equipment Company sales experience

OHIO SALES REPRESENTATIVE:

- **KEITH ALEXANDER, SALES REPRESENTATIVE/PLAY ADVISOR**

BS, Health Education at Michigan State University

MS, Sports Administration at Indiana University

- (5) years as Community Center Manager, City of Wayne, MI
- (3) years as Recreation Supervisor, Canton Twp.
- (8) years as Owner/Operator of a Quiznos franchise
- (5) years - Miracle Recreation Equipment Company

MIRACLE RECREATION EQUIPMENT
COMPANY

878 E HIGHWAY 60

MONETT, MISSOURI 65708 USA

TOLL FREE: 1-800-523-4202

PHONE: 417-235-6917 • FAX: 417-235-6816

WORLD WIDE WEB: <http://www.miracle->



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ROPE CLIMBERS • BOULDER CLIMBERS

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SWINGS

BASKETBALL GOALS, BACKSTOPS & SOCCER
GOALS

February 23, 2016

To Whom It May Concern:

The Sales Associates from Miracle Midwest, have the authority to submit bids on behalf of Miracle Recreation Equipment Company.

Sincerely,

Kevin Walker

Customer Service Manager

State of Missouri)

County of Lawrence)

Subscribed and sworn to before this 23rd day of February, 2016.

Kim Adams



KIM ADAMS
My Commission Expires
April 13, 2018
Lawrence County
Commission #14435117

**MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF COMMERCIAL SERVICES**

Date Received

(FOR BUREAU USE ONLY)

MAY 30 2012

This document is effective on the date filed, unless
a subsequent effective date within 90 days after
received date is stated in the document.

Tran Info: 1 17752079-1 05/29/12
Chk#: 234167 Amt: \$10.00
ID: 60282Y

FILED

MAY 31 2012

Administrative
Services

Name

MIRACLE RECREATION EQUIPMENT COMPANY

Address

878 E US HIGHWAY 60

City

MONETT

State

MO

Zip Code

65708

EXPIRATION DATE:

DECEMBER 31, 2017

Document will be returned to the name and address you enter above.
If left blank document will be mailed to the registered office.

CERTIFICATE OF ASSUMED NAME**For use by Corporations, Limited Partnerships and Limited Liability Companies**

(Please read information and instructions on reverse side)

Pursuant to the provisions of Act 284, Public Acts of 1972 (profit corporations), Act 162, Public Acts of 1982 (nonprofit corporations), Act 213, Public Acts of 1982 (limited partnerships), or Act 23, Public Acts of 1993 (limited liability companies), the corporation, limited partnership, or limited liability company in item one executes the following Certificate:

1. The name of the corporation, limited partnership, or limited liability company is:
MIRACLE RECREATION EQUIPMENT COMPANY

2. The identification number assigned by the Bureau is:

60282Y

3. The assumed name under which business is to be transacted is:

MIRACLE MIDWEST

4. This document is hereby signed as required by the Act.

COMPLETE ITEM 5 ON LAST PAGE IF THIS NAME IS ASSUMED BY MORE THAN ONE ENTITY.

Signed this 17 day of MAY, 2012
By Brenda McClelland
(Signature)
BRENDA MCCLELLAND CONTROLLER
(Type or Print Name) (Type or Print Title or Capacity)

(Limited Partnerships Only - Indicate Name of General Partner if the General Partner is a corporation or other entity)



Candy Cane Playground

City of Ypsilanti, MI

Bid Documents

*P.O. Box 130
Holly, MI 48442
800.722.8546*

www.miraclemidwest.com

PROPOSAL FORM

Owner: City of Ypsilanti, a Michigan home rule city
One S. Huron Street
Ypsilanti, MI 48197

Firm Name: Miracle Recreation Equipment Company;
DBA Miracle Midwest (herein called "Bidder")

* a corporation organized and existing laws of the State of Iowa

* a partnership consisting of NA

* an individual trading as NA

By: Jeff Martinson

Title: PlayPower Outdoor Project's Team Manager

Date: March 16th, 2020

Pursuant to and in compliance with the Specifications dated February 17, 2020 and all Addenda as prepared by the Owner, we the undersigned, propose to furnish all labor, materials, equipment, and all things necessary to perform all the work associated with:

CITY OF YPSILANTI CANDY CANE PLAYGROUND

The undersigned as bidder declares that he/she has familiarized himself with the location of the proposed work and the conditions under which it must be performed, as well as the drawing and specifications which the undersigned acknowledges that he understands and accepts as adequate.

I. PROPOSAL (BASED BID):

The undersigned agrees to enter into an agreement with the Owner to complete the General Contract for the total price of:

Option 1 \$73,229.02 **Option 2** \$74,999.56 Dollars (use words)

Option 1 Seventy-Three Thousand Two Hundred Twenty-Nine Dollars and Two Cents (Use numbers)

Option 2 Seventy-Four Thousand Nine Hundred Ninety-Nine Dollars and Fifty-Six Cents

II. COST BREAKDOWN

- a. Play equipment: **Option 1** \$30,295.40 **Option 2** \$29,906.80
- b. Fall surfacing, concrete edging, geotextile: **Option 1** \$2,188.50 **Option 2** \$3,000.00
- c. Labor: **Option 1** \$36,600.08 **Option 2** \$37,847.50
- d. Other: **Option 1** Sales Tax \$ 4,145.04 **Option 2** Sales Tax \$ 4,245.26

III. MATERIAL BRAND OR TYPE (Attached specs):

a. Play equipment :

Miracle Recreation Equipment Company

b. Fall surfacing, concrete edging, geotextile:

Zeager Bros. Engineered Wood Fiber

c. Other:

NA

IV. WARRANTIES:

Please See Attached Documents

V. PROPOSED STARTING DATE: 5-6 Weeks After Receipt of Color Selection and Signed Contract

VI. ESTIMATED COMPLETION DATE: Est. Week of June 1st

VII. ATTACHMENTS:

- a. Reference list
- b. Equipment specification
- c. Any other information

Signature: _____

Jeff Martinson

Digitally signed by Jeff Martinson
DN: O=PlayPower, CN=Jeff Martinson
E=jeff.martinson@playpower.com
Reason: I am the author of this document
Location: your signing location here
Date: 2020-03-19 15:50:00
Foxit PhantomPDF Version: 9.7.0

Name: Jeff Martinson

Title: PlayPower Outdoor Project's Team Manager



Candy Cane Playground

City of Ypsilanti, MI

References

*P.O. Box 130
Holly, MI 48442
800.722.8546
www.miraclemidwest.com*



CALL 800.722.8546

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Michigan, Indiana,
& Ohio!*

RE: City of Ypsilanti – Candy Cane Park Playground

REFERENCES

City of Dearborn / Riverdale/ Tannahill & Gary Parks

Completed Summer 2019

Project Completion Cost: \$ 65,291.00

Contact:

Gary Filiak

313.520.5285

2951 Greenfield Rd

Dearborn, MI 48120

gfiliak@ci.dearborn.mi.us



City of Plymouth / Kiwanis Park

Completed Summer 2016

Additional Equipment Summer 2019

Project Completion Cost: \$ 60,000.00

Contact:

Adam Gerlach

734.453.7737

1231 Goldsmith

Plymouth, MI 48170

agerlach@ci.plymouth.mi.us



Holly Area Schools / Davisburg Elementary

Completed Summer 2019

Project Completion Cost: \$ 133,409.78

Contact:

Steven Lenar

248.328.3600

12003 Davisburg Rd

Davisburg, MI 48442

Steven.lenar@has-k12.org





Candy Cane Playground

City of Ypsilanti, MI

Option 1

Playground Design

And

Product Specification

*P.O. Box 130
Holly, MI 48442
800.722.8546*

www.miraclemidwest.com



Miracle Midwest
PO Box 130
Holly, MI 48442
1-800-722-8546
info@miraclemidwest.com

QUOTE: R0016200006
CUSTOMER: 4819B06
Quote Date: 3/16/2020
Valid For: 30 Days From Quote Date
DELIVERY TIME ARO: 5-7 weeks
(After Receipt of Order and Any Required
Approved Submittals, Drawings, and/or
Color Selections)

Prepared For:

City of Ypsilanti
1 South Huron
Ypsilanti, MI 48197

Project Name & Location:

Candy Cane Park Playground
802 Courtland St.
Ypsilanti, MI 48197
OPTION 1

Prepared by:

Kim Alexander (cs)
Miracle Midwest
Holly, MI 48442
(800) 722-8546 (phone)
info@miraclemidwest.com

OPTION 1

MMW200113A-1A - 2-12 STRUCTURE

Product line: KidsChoice

Age group: 2-12

Components

Part Number	Description	Qty
7145039	1/2 HEX FULL DECK (ATTACHES TO 4 POSTS)	6
7145491	5" OD X 88" POST F/MAZE PANELS	4
7145493	5" OD X 112" POST (3' DECK)	6
714551	5" OD X 106" POST (2'6" DECKS OR LESS)	8
714555	5" OD X 76" POST FOR FENCING & PANELS	2
71460215	STEEL PANEL W/STEERING WHEEL	1
71471511	SPANISH PANEL	1
7147152	FINGER MAZE PANEL	1
7147153	JUMP PANEL (3' DECK)	1
7147632	TIC-TAC-TOE PANEL	1
7147721	BONGO PERCH (STATIONARY)	1
7147784	INCLINED SPIDER CLIMBER (3' & 4' DECK)	1
714782	CRUNCH STATION	1
714796P1	BELL (POST MOUNT)	1
7148135	DECK ENCL FOR OVERHEAD CLIMBERS (ONLY)	1
714817	CST TREEHOUSE WALL W/SEAT	1
71485139	SQUARE TRANSFER POINT W/CLOSED HR (3' DECK)	1
714900P1	STEERING WHEEL (POST MOUNT)	1
7149071	"L" SLIDE RH, ROCKITE (3' DECK)	1
714910	4' SKI SLIDE (2' DECK)	1
714920595	12' RAMP GRND TO DECK 1:12, W/OUT PST, OPN HR	1
714920E	ADA RAMP EXTENSION INCLINED (LARGE)	1
71492159	12' RAMP DECK TO DECK 1:12, OPEN HNDRL	1
7149219	12' RAMP DECK TO DECK 1:12	1
714968	CURVED LOOP CLIMBER (3' DECK)	1
71499269A	KIDS' PERCH W/EXTENDED WHEEL	1
7147306	HEXAGON TREEHOUSE ROOF	3
787Z	RISK MANAGEMENT SIGN - ENGLISH (NO PRICE)	1
714999Z	CUSTOMER SERVICE KIT (NO PRICE)	1

Equipment Price: \$30,295.40

ENGINEERED WOOD FIBER

113CY	ENGINEERED WOOD FIBER SAFETY SURFACING	\$ 2,188.50
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Continued to next page...

INSTALLATION

INSTALL

INSTALLATION SERVICES INCLUDE:

- DEMOLITION, REMOVE, LOAD AND HAUL OFF EXISTING PLAY STRUCTURE AND CONCRETE FOOTINGS
- LOAD AND HAUL OFF SITE EXISTING ENGINEERED WOOD FIBER
- EXCAVATE APPROXIMATELY 58' X 54' 12" DEPTH
SEPARATE TOPSOIL FROM SUBSOIL WHERE POSSIBLE
USE EXCAVATED MATERIAL AS FILL MATERIAL
- LEVEL SOIL, ROUGH GRADE IN PREPARATION FOR RESTORATION WORK
- INSTALL EQUIPMENT SHOWN IN MMW200113A PER MANUFACTURER SPECIFICATIONS
- ACCEPT DELIVERY OF EQUIPMENT SHOWN IN MMW200113A, UNLOAD AND STORE ON JOB SITE
- SUPPLY AND INSTALL SINGLE LAYER GEOTEXTILE FABRIC
- INSTALL ENGINEERED WOOD FIBER SAFETY SURFACING
- TURF RESTORATION
- INSTALL CONCRETE MOW STRIP AS SPECIFIED 12" X 6"

PLEASE NOTE: OPTION 1 DOES NOT INCLUDE RELOCATING SWINGS

Install Price: \$36,600.08

Totals:

SubTotal: \$69,083.98

Estimated Sales Tax 6%: \$ 4,145.04

Grand Total: \$73,229.02

**NO ORDERS WILL BE PLACED WITHOUT A SIGNED QUOTATION AND/OR PURCHASE ORDER.
ORDERS OVER \$5,000 WILL REQUIRE A SIGNED PURCHASE ORDER BEFORE THEY WILL BE PLACED.**

PLEASE NOTE THE FOLLOWING:

- ✓ Sales tax on this quote is only an estimate. Final sales tax will be added to your invoice if a current state sales tax exemption certificate is not on file in our office.
- ✓ A Miracle Credit Application may be required and must be completed and returned before your order is placed. If credit is not issued, Cash in Advance is required with order.
- ✓ **ORDERS OVER \$10,000.00 MAY REQUIRE 50% DEPOSIT BEFORE ORDER IS RELEASED.**
- ✓ **See top of quote for terms.**
- ✓ This quote is to supply the equipment listed above only. Any other contractual requirements/needs are the responsibility of the contractor.
- ✓ PLEASE provide 4-5 sturdy adults or appropriate unloading equipment to unload your equipment
- ✓ Due to fluctuating fuel and steel prices, quotes are valid for only 30 days. After 30 days, cost is only an estimate and actual charges may differ.
- ✓ Price was quoted site unseen, it assumes the site is reasonably flat
- ✓ Please add Sales Tax, if appropriate, or fax a copy of your Tax Exempt Certificate with Order
- ✓ THIS QUOTE **DOES NOT** INCLUDE:
 - ✓ Equipment, Services, Materials not specifically noted above
 - ✓ Removal of soils/excess excavated materials from site
 - ✓ Drainage materials/Installation of drainage materials
 - ✓ Dewatering/excess water removal from footings, excavations, or any other installation processes where excess water may be present
 - ✓ Accessible route to new play area
 - ✓ Any permits, if required
 - ✓ Repair of any utilities/irrigation system not marked by Miss Dig or owner
 - ✓ Testing of soil conditions
 - ✓ Prevailing Wage or union/labor wages
 - ✓ Bid/Performance/Labor/Material Bonds

Continued to next page...

3/16/2020

QUOTE: R0016200006

NOTE: YOUR PLAYGROUND IS NOT ADA COMPLIANT UNLESS YOU HAVE ADA COMPLIANT SAFETY SURFACING. SAFETY SURFACING IS REQUIRED UNDER AND AROUND ALL PLAYGROUND EQUIPMENT.

INSTALLATION PRICES ASSUME NORMAL SOIL CONDITIONS AND DO NOT INCLUDE ROCK EXCAVATION, TREE TRUNK EXCAVATION, ASPHALT OR CONCRETE REMOVAL. IF ANY SUCH MATERIAL IS DISCOVERED AT A PROJECT SITE, A REMOVAL FEE WILL BE ADDED TO THE PROJECT COST.

MMW Backcharge Policy:

Miracle Midwest (MMW) and it's represented equipment manufacturers will not be responsible for any back charges without prior written authorization based on a submitted written quotation for any work the contractor /customer deems necessary, including but not limited to alterations, removals, repair, painting and /or reinstallation of any product purchased through Miracle Midwest for any of its manufacturers/suppliers.

Any individual/contractor/company proceeding without written approval by MMW and or the manufacturer will assume all financial responsibility for incurred expenses & liability for any changes to the product & the project.

I hereby authorize Miracle Midwest to ship the equipment listed above for which I agree to pay the total amount specified. I will be responsible for receiving all merchandise from the truck. I agree with the Payment terms listed above. Non-taxable customers will provide proper tax exemption certificate.

THIS QUOTE IS LIMITED TO AND GOVERNED BY THE TERMS CONTAINED HEREIN. *Miracle objects to any other terms proposed by Customer, in writing or otherwise, as material alterations, and all such proposed terms shall be void. Customer authorizes Miracle to ship the Equipment and agrees to pay Miracle the total amount specified. Shipping terms are FOB the place of shipment via common carrier designated by Miracle. Payment terms are Net-30 days from invoice date with approved credit and all charges are due and payable in full at Miracle Recreation Equipment, PO Box 734154, Dallas, TX 75373-4154, unless notified otherwise by Miracle in writing. Customer agrees to pay all additional service charges for past due invoices. Customer must provide proper tax exemption certificates to Miracle, and shall promptly pay and discharge all otherwise applicable taxes, license fees, levies and other impositions on the Equipment at its own expense. Purchase orders and payments should be made to the order of Miracle Recreation Equipment Company.*

To confirm this order, please sign, complete all information below and fax to us at 517-349-1911 OR email to info@miraclemidwest.com

Signature _____

Date _____

P.O. to Miracle Recreation Equipment Co.
878 Hwy 60, Monett, MO 65708
(Required for orders over \$5,000)

Print this address on your PO, send quote/P.O. to fax number/email listed above.

PLEASE PROVIDE (NECESSARY FOR ORDER TO BE PLACED):

SHIP TO ADDRESS:

INVOICE TO ADDRESS:

END USER ADDRESS:

DELIVERY

INVOICING

END USER

CONTACT: _____

CONTACT: _____

CONTACT: _____

PHONE #: _____

PHONE #: _____

PHONE #: _____

E-MAIL: _____

E-MAIL: _____

E-MAIL: _____

PLEASE RETURN ALL PAGES OF THIS QUOTE UPON ORDERING

This Quote shall not become a binding contract until signed and delivered by both Customer and Miracle Recreation Equipment Company ("Miracle"). Sales Representative is not authorized to sign this Quote on behalf of Miracle or Customer, and signed Quotes cannot be accepted from Sales Representative. Upon acceptance, Miracle will return a fully-signed copy of the Quote to Customer (with copy to Sales Representative) via fax or email.

THIS QUOTE IS LIMITED TO AND GOVERNED BY THE TERMS CONTAINED HEREIN. Miracle objects to any other terms proposed by Customer, in writing or otherwise, as material alterations, and all such proposed terms shall be void. Customer authorizes Miracle to ship the Equipment and agrees to pay Miracle the total amount specified. Shipping terms are FOB the place of shipment via common carrier designated by Miracle. Payment terms are Net-30 days from invoice date with approved credit and all charges are due and payable in full at PO Box 734154, Dallas, TX 75373-4154, unless notified otherwise by Miracle in writing. Customer agrees to pay all additional service charges for past due invoices. Customer must provide proper tax exemption certificates to Miracle, and shall promptly pay and discharge all otherwise applicable taxes, license fees, levies and other impositions on the Equipment at its own expense. Purchase orders and payments should be made to the order of Miracle Recreation Equipment Company.

Continued to next page...

CUSTOMER HEREBY SUBMITS ITS OFFER TO PURCHASE THE EQUIPMENT ACCORDING TO THE TERMS STATED IN THIS QUOTE

AND SUBJECT TO FINAL APPROVAL BY MIRACLE.

Submitted By	Printed Name and Title	Date
THE FOREGOING QUOTE AND OFFER ARE HEREBY APPROVED AND ACCEPTED BY MIRACLE RECREATION EQUIPMENT		
By:	Date:	

ADDITIONAL TERMS & CONDITIONS OF SALE

1. Use & Maintenance. Customer agrees to regularly inspect and maintain the Equipment, and to provide, inspect and maintain appropriate safety surfacing under and around the Equipment, in accordance with Miracle's product literature and the most current Consumer Product Safety Commission Handbook for Public Playground Safety.
2. Default, Remedies & Delinquency Charges. Customer's failure to pay any invoice when due, or its failure to otherwise comply with the terms of this Quote, shall constitute a default under all unsatisfied invoices ("Event of Default"). Upon an Event of Default, Miracle shall have all remedies available to it at law or equity, including, without limitation, all remedies afforded a secured creditor under the Uniform Commercial Code. Customer agrees to assist and cooperate with Miracle to accomplish its filing and enforcement of mechanic's or other liens with respect to the Equipment or its location or its repossession of the Equipment, and Customer expressly waives all rights to possess the Equipment after an Event of Default. All remedies are cumulative and not alternative, and no exercise by Miracle of a remedy will prohibit or waive the exercise of any other remedy. Customer shall pay all reasonable attorneys fees plus any costs of collection incurred by Miracle in enforcing its rights hereunder. Subject to any limitations under law, Customer shall pay to Miracle as liquidated damages, and not as a penalty, an amount equal to 1.5% per month of any payment that is delinquent in such month and is not received by Miracle within ten (10) days after the date on which due.
3. Limitation of Warranty/ Indemnity. MIRACLE MAKES NO EQUIPMENT WARRANTIES EXCEPT FOR THOSE STANDARD WARRANTIES ISSUED WITH THE EQUIPMENT, WHICH ARE INCORPORATED HEREIN BY THIS REFERENCE. MIRACLE SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. CUSTOMER AGREES TO DEFEND, INDEMNIFY AND SAVE MIRACLE HARMLESS FROM ALL CLAIMS OF ANY KIND FOR DAMAGES OF ANY KIND ARISING OUT OF CUSTOMERS ALTERATION OF THE EQUIPMENT, ITS FAILURE TO MAINTAIN THE EQUIPMENT, ITS FAILURE TO PROPERLY SUPERVISE EQUIPMENT USE, OR ITS FAILURE TO PROVIDE AND MAINTAIN APPROPRIATE TYPES AND DEPTHS OF SAFETY SURFACING BENEATH AND AROUND THE EQUIPMENT IN ACCORDANCE WITH MIRACLES INSTALLATION AND OWNERS MANUALS AND THE MOST CURRENT CONSUMER PRODUCT SAFETY COMMISSION HANDBOOK FOR PUBLIC PLAYGROUND SAFETY.
4. Restrictions. Until all amounts due hereunder are paid in full, Customer shall not: (i) permit the Equipment to be levied upon or attached under any legal process; (ii) transfer title to the Equipment or any of Customer's rights therein; or (iii) remove or permit the removal of the Equipment to any location not specified in this Quote.
5. Purchase Money Security Interest. Customer hereby grants, pledges and assigns to Miracle, and Miracle hereby reserves a purchase money security interest in, the Equipment in order to secure the payment and performance in full of all of Customer's obligations hereunder. Customer agrees that Miracle may file one or more financing statements, in order to allow it to perfect, acquire and maintain a superior security interest in the Equipment.
6. Choice of Law and Jurisdiction. All agreements between Customer and Miracle shall be interpreted, and the parties' obligations shall be governed, by the laws of the State of Missouri without reference to its choice of law provisions. Customer hereby consents to the personal jurisdiction of the state and federal courts located in the city and county of St. Louis, Missouri.
7. Title; Risk of Loss; Insurance. Miracle Retains full title to all Equipment until full payment is received by Miracle. Customer assumes all risk of loss or destruction of or damage to the Equipment by reason of theft, fire, water, or any other cause, and the occurrence of any such casualty shall not relieve the Customer from its obligations hereunder and under any invoices. Until all amounts due hereunder are paid in full, Customer shall insure the Equipment against all such losses and casualties.
8. Waiver; Invalidity. Miracle may waive a default hereunder, or under any invoice or other agreement between Customer and Miracle, or cure such a default at Customer's expense, but shall have no obligation to do either. No waiver shall be deemed to have taken place unless it is in writing, signed by Miracle. Any one waiver shall not constitute a waiver of other defaults or the same kind of default at another time, or a forfeiture of any rights provided to Miracle hereunder or under any invoice. The invalidity of any portion of this Quote shall not affect the force and effect of the remaining valid portions hereof.
9. Entire Agreement; Amendment; Binding Nature. This fully-executed Quote, as supplemented by Change Orders and invoices containing exact amounts of estimates provided herein, constitutes the complete and exclusive agreement between the parties. A Change Order is a written instrument signed by the Customer and Miracle stating their agreement as to any amendment in the terms of this Quote. Customer acknowledges that Change Orders may result in delays and additional costs. The parties agree that all Change Orders shall include appropriate adjustments in price and time frames relating to any requested amendments. Upon full execution, this Quote shall be binding upon and inure to the benefit of the parties and their successors and assigns.
10. Counterparts; Electronic Transmission. This Quote, any invoice, and any other agreement between the parties, may be executed in counterparts, each of which shall constitute an original. The facsimile or other electronic transmission of any signed original document and retransmission of any signed facsimile or other electronic transmission shall be the same as the transmission of an original. At the request of either party, the parties will confirm facsimile or other electronically transmitted signatures by signing an original document.

Please return all pages of this quote upon ordering.

Thank You!



Rev E 021815



RFP Candy Cane Playground - Option #1 - View 1
City of Ypsilanti, MI
MMW200113A





RFP Candy Cane Playground - Option #1 - View 2
City of Ypsilanti, MI
MMW200113A





RFP Candy Cane Playground - Option #1 - View 3
City of Ypsilanti, MI
MMW200113A





RFP Candy Cane Playground - Option #1 - View 4
City of Ypsilanti, MI
MMW200113A



AREA: 2,200 SQ.FT.
PERIMETER: 187'
The information provided is for
estimation purposes only.

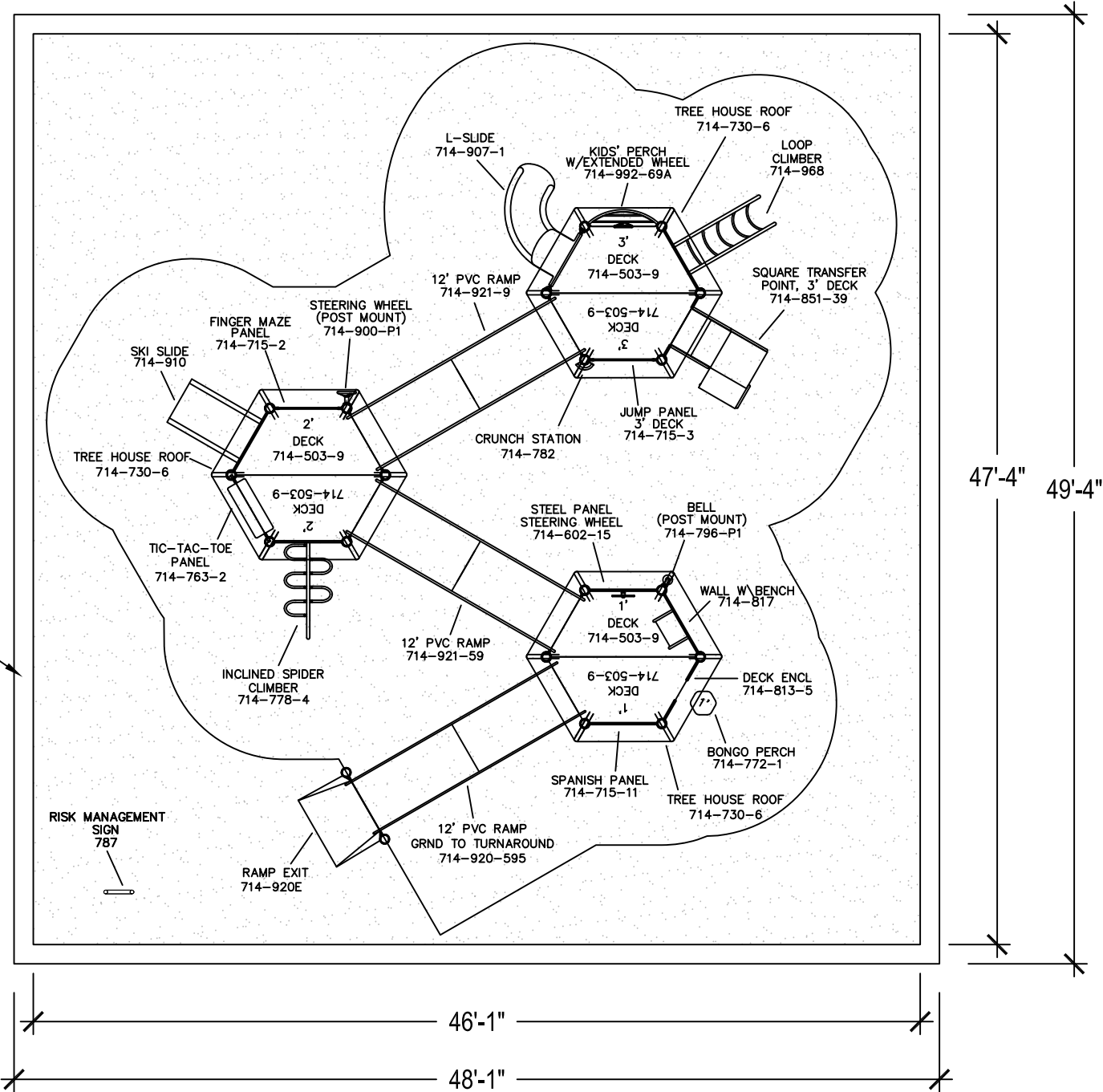
Play Area Capacity: 90 - 100

RFP CANDY CANE PLAYGROUND - OPTION #1
CITY OF YPSILANTI, MI

2-12 PLAY AREA

ELEVATED PLAY ACTIVITIES - TOTAL	11	
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER	11	REQ'D 0
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP	11	REQ'D 6
GROUND LEVEL ACTIVITY TYPE	4	REQ'D 0
GROUND LEVEL ACTIVITY QUANTITY	4	REQ'D 0

CONCRETE MOW STRIP
12" WIDE X 6" DEEP

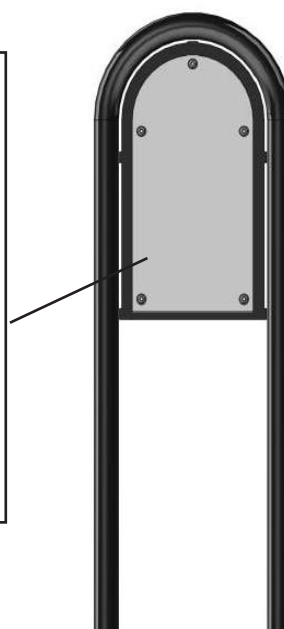


To promote safe and proper equipment use by children, Miracle recommends the installation of either a Miracle safety sign or other appropriate safety signage near each playsystem's main entry point(s) to inform parents and supervisors of the age appropriateness of the playsystem and general rules for safe play.



THE PLAY COMPONENTS IDENTIFIED IN THIS PLAN ARE IPEMA CERTIFIED. THE USE AND LAYOUT OF THESE COMPONENTS CONFORM TO THE REQUIREMENTS OF ASTM F1487. AN ENERGY ABSORBING PROTECTIVE SURFACE IS REQUIRED UNDER & AROUND ALL PLAY SYSTEMS.	MMW200113A-1A-1		✓	COMPLIES TO CPSC	DESIGNED FOR AGES 2-12	DATE: 3/13/2020	
	GROUND SPACE: PROTECTIVE AREA:	N/A NOTED	✓	COMPLIES TO ASTM		SCALE: 1/8"=1'-0"	
			✓	COMPLIES TO ADA	TYPE: 0	QUANTITY: 0	BDS

Risk Management Sign



Note: English version shown.

MODEL	PRODUCT	GROUND SPACE	CONCRETE
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.
787SP	Risk Management Sign - Spanish	1'-6" x 3'-6"	0.09 cu. yd.

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.
Extension Tube:	2.375 12GA GLV-IL X 24' tube round.
Hardware:	Stainless steel that requires tooling to install or remove.
Finish:	The frame shall have a <u>Mira-Cote</u> finish.

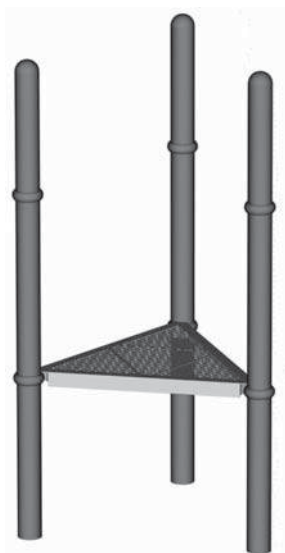
Kids' Choice® - Mira-Therm II
Decks

Deck Posts not included in these assemblies.

714-501-9

Triangle Deck

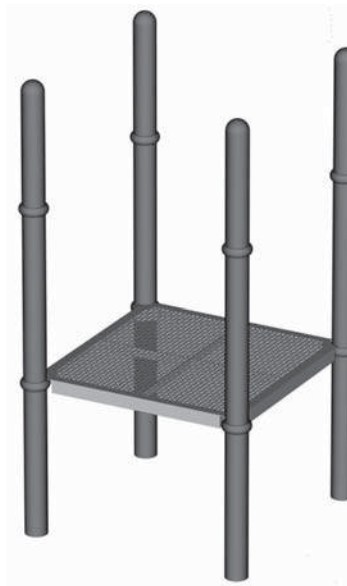
Model # 714-501-9 requires three (3) Posts.



714-502-9

Square Deck

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



714-503-9

Half Hex Deck (Full)

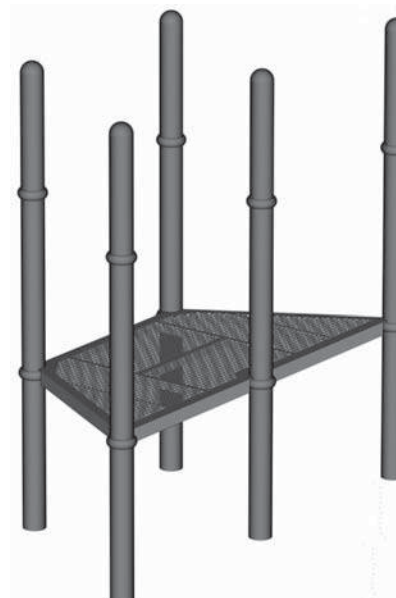
Model # 714-503-9 requires four (4) Posts.



714-504-9

Half Hex Deck

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



Kids' Choice® - Mira-Therm II Decks

714-508-9

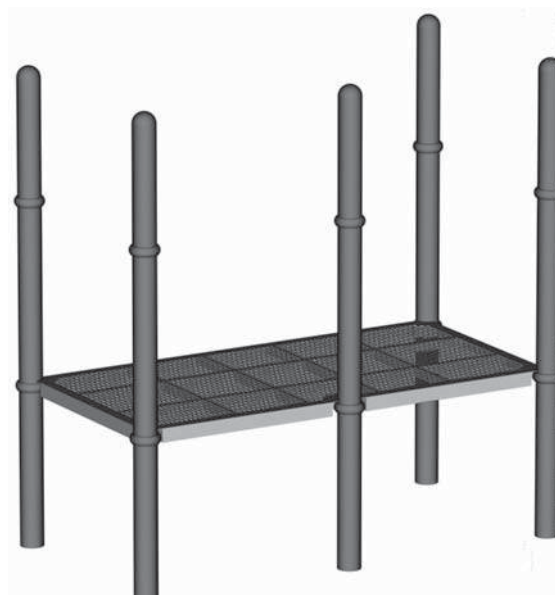
Rectangle Deck (Full)

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.

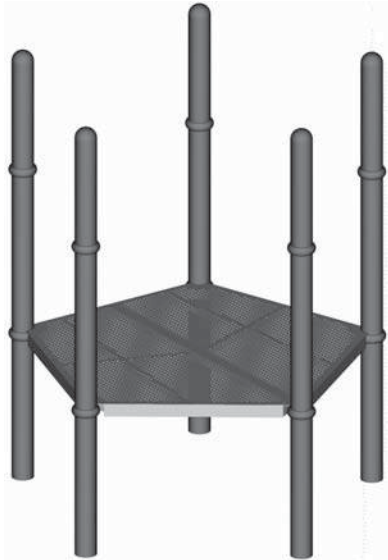


Kids' Choice® - Mira-Therm II Decks

714-512-9

Pentagon Deck

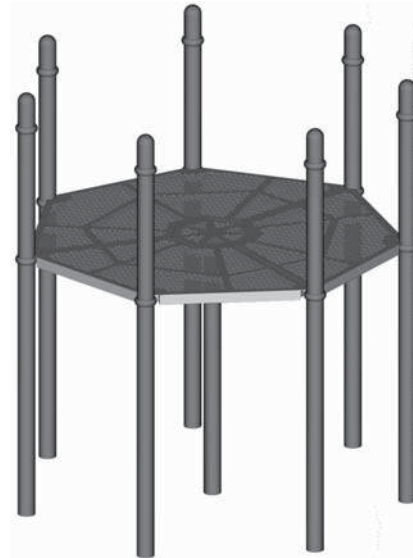
Model # 714-512-9 requires five (5) Posts.



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

MODEL #	PRODUCT	POSTS REQ'D	DECK SURFACE	CONCRETE
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.



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.

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

714-545-3, 714-545-5, 714-545-6, 714-545-8, 714-545-10, 714-549-1, 714-549-3, 714-549-4, 714-549-10, 714-550-3, 714-550-5, 714-550-6, 714-550-8, 714-551, 714-551-2, 714-552, 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**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 Flippo Roof)	6'-6" Deck	985260*
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*

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	995230*
714-549-42	124" Deck Post	4' Decks	995231*
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, 714-549-4, 714-549-42, 714-550-3, 714-550-5, 714-550-6, 714-550-8, 714-551, 714-551-2, 714-552, 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

May 3, 2005

Rev. E

Kids' Choice®

Fence Posts, 4' & 8' Fence Sections, Archway for Fence

714-555, 714-555-2* & 714-555-3* and 714-577-4 714-577-8 & 714-578

Fence Post, Steel, 5" OD x 76"

4' Fence Section, Straight

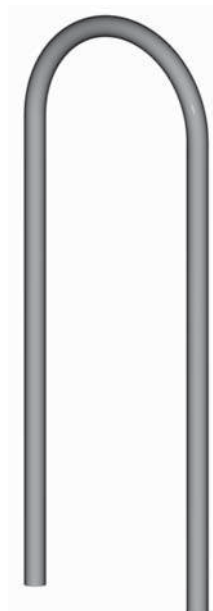
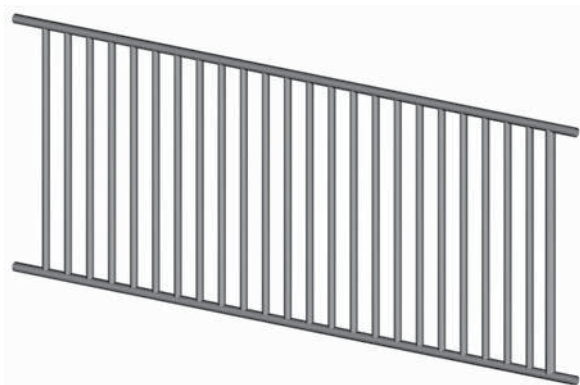
* Model # 714-555-2 Fence Post, Aluminum, 5" OD x 76" and
Model # 714-555-3 Fence Post, Steel, 5" OD x 76" not shown.
Appearances are identical but material specifications differ.



714-555, 714-555-2* & 714-555-3* and 714-577-4 714-577-8 & 714-578

8' Fence Section, Straight

Archway for Fence, 5" OD



Fence System

714-555, 714-555-2, 714-555-3, 714-577-4, 714-577-8, 714-578

Kids' Choice®

Fence Posts, 4' & 8' Fence Sections, Archway for Fence

<u>MODEL #</u>	<u>PRODUCT</u>	<u>CONCRETE REQ'D</u>
714-555	5" OD x 76" Fence Post, Steel	0.13 cu. yds.
714-555-2	5" OD x 76" Fence Post, Aluminum	0.13 cu. yds.
714-555-3	5" OD x 76" Fence Post, Steel	0.13 cu. yds.
714-577-4	4' Fence Section	N/A
714-577-8	8' Fence Section	N/A
714-578	Archway for Fence	0.26 cu. yds.

DESCRIPTION

These models comprise a fence system with virtually limitless configuration possibilities. This fence system is not playground equipment, therefore protective surfacing to 6' from perimeter is not required. However, this does not permit exclusion of protective surfacing when required by playground equipment which intersects fence area, e.g. if a fence were to connect to a deck system, required protective surfacing of deck components would "overrule" fence's lack of a requirement for surfacing.

MATERIALS

- Fence Sections: The fence sections shall consist of a welded assembly handrail system with a top and bottom rail constructed of 1" pipe, and infill consisting of uprights constructed of 1" tube. The fence section shall measure 36-5/16" high and 4' or 8' long.
- Archway: The archway shall be a single piece, "U"-shaped component constructed of 5" tube, measuring 4' from leg center to leg center and 132" from leg end to inside apex height.
- Steel Posts: Model # 714-555 shall be constructed of 5" tube, 11 ga. with a 5" round end cap pressed into its top end. Model # 714-555-3 shall be constructed of 5" tube with a 5" round end cap pressed into its top end.
- Aluminum Posts: Model # 714-555-2 shall be constructed of 5" aluminum tube with a 5" round end cap pressed into its top end.
- Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.
- Finishes: The fence sections, posts, archway, 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
RECREATION EQUIPMENT COMPANY

Product Specifications

February 12, 2009

Rev. D

Kids' Choice®

Steel Panels - Above Deck

714-602-1

Steel Panel, Ocean Play



714-602-2

Steel Panel, Butterfly



714-602-3

Steel Panel, Moon



714-602-4

Steel Panel, Eagle Family



Steel Panels

714-602-1, 714-602-2, 714-602-3, 714-602-4, 714-602-5, 714-602-10, 714-602-11,
714-602-15



Kids' Choice®
Steel Panels

Steel Panels

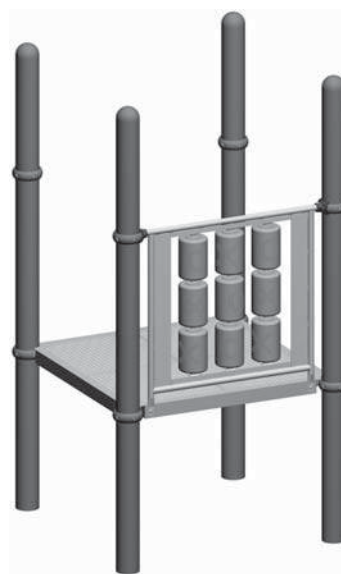
714-602-5

Steel Panel, Wilderness Flock



714-602-10

Steel Tic Tac Toe Panel



714-602-11

Steel Window Panel



714-602-15

Steel Steering Wheel Panel



714-602-1, 714-602-2, 714-602-3, 714-602-4, 714-602-5, 714-602-10, 714-602-11,
714-602-15



Kids' Choice® Steel Panels

<u>MODEL #</u>	<u>PRODUCT</u>
714-602-1	Steel Panel, Ocean Play
714-602-2	Steel Panel, Butterfly
714-602-3	Steel Panel, Moon
714-602-4	Steel Panel, Eagle Family
714-602-5	Steel Panel, Wilderness Flock
714-602-10	Steel Tic Tac Toe Panel
714-602-11	Steel Window Panel
714-602-15	Steel Steering Wheel Panel

DESCRIPTION

Steel Panels are durable above-deck components designed to enhance imaginative play.

MATERIALS

Steel Panels: Steel Panels shall comprise 1" pipe, Gator Grip rungs and a 33-5/8" x 36" panel composed of 11 ga. sheet, laser cut. Steel Window Panel and Steel Steering Wheel Panel shall measure 41-1/16" in length and 41-1/2" in width.

Steering Wheel

(714-602-15 only): Steering wheel and gear knob shall be constructed of aluminum.

Tic Tac Toe Cylinders

(714-602-10 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: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The rungs and Panels shall have a Mira-Cote finish.

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

Kids' Choice®

Imagination Panels & Activity Panels

Models included:

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
714-617	Space Ship Panel	2
714-714-1	Park Ranger Panel	2
714-714-2	Fire Truck Panel	2
714-714-3	Police Panel	2
714-714-4	Train Panel	2
714-714-5	Taxi Panel	2
714-714-6	Pilot Panel with Window	2
714-714-7	Pilot Panel	2
714-714-8	Race Car Panel	2
714-715-1	Alphabet Panel	2
714-715-2	Finger Maze Panel	2
714-715-3	Jump Panel (3' Deck)	2
714-715-4	Calculator Panel	2
714-715-5	Jump Panel (5' Deck)	2
714-715-10	Sign Language Panel	2
714-715-11	Spanish Panel	2
714-715-12	Braille Panel	3
714-715-13	Calypso 3-Drum Panel	3
714-715-15	Chinese Panel	3
714-715-20	Activity Panel Frame	3
714-732	Welcome Panel (5-12)	3
714-732-1	Welcome Panel (2-5)	3
714-732-2	Welcome Panel (2-12)	3
714-761-2	Piston Panel	3
714-761-3	Gear Panel	3
714-761-4	Sliding Tile Panel	3
714-895-1	Barn Wall Panel	3
714-895-3	Barn Window Panel	3

Note: Deck systems are NOT included in these assemblies. Please refer to Construction Drawings for the model particular to your system.

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

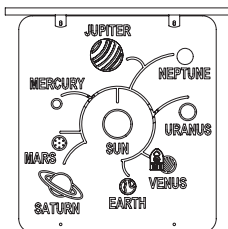
Imagination Panels & Activity Panels

714-617, 714-714-1, 714-714-2, 714-714-3, 714-714-4, 714-714-5, 714-714-6, 714-714-7, 714-714-8, 714-715-1, 714-715-2, 714-715-3, 714-715-4, 714-715-5, 714-715-10, 714-715-11, 714-715-12, 714-715-13, 714-715-15, 714-715-20, 714-732, 714-732-1, 714-732-2, 714-761-2, 714-761-3, 714-761-4, 714-895-1, 714-895-3

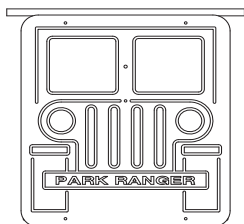
Kids' Choice®

Imagination Panels & Activity Panels

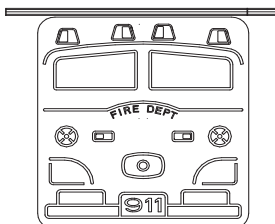
714-617:
Space Ship Panel



714-714-1:
Park Ranger Panel



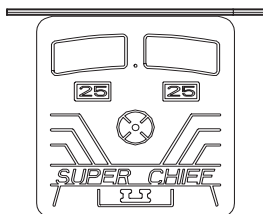
714-714-2:
Fire Truck Panel



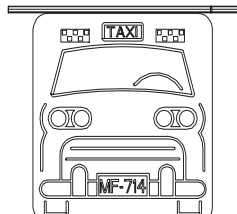
714-714-3:
Police Panel



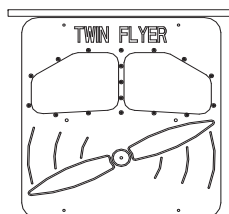
714-714-4:
Train Panel



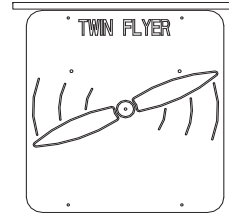
714-714-5:
Taxi Panel



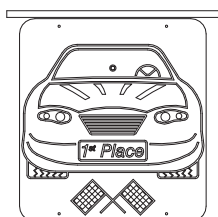
714-714-6:
**Pilot Panel w/
Window**



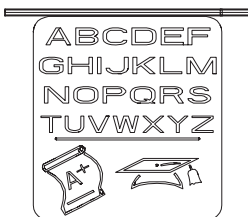
714-714-7:
Pilot Panel



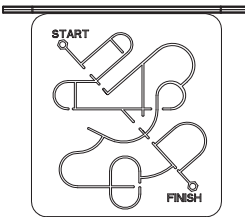
714-714-8:
Race Car Panel



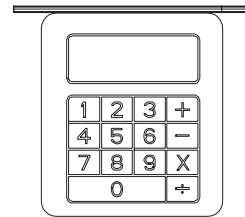
714-715-1:
Alphabet Panel



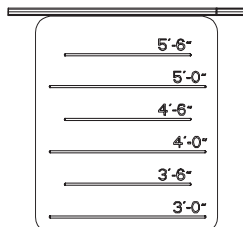
714-715-2:
Finger Maze Panel



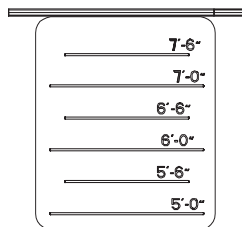
714-715-4:
Calculator Panel



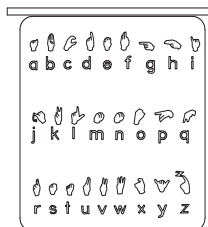
714-715-3:
**Jump Panel
(3' Deck)**



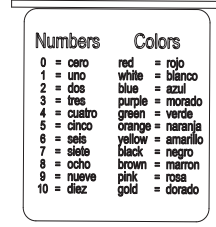
714-715-5:
**Jump Panel
(5' Deck)**



714-715-10:
**Sign Language
Panel**



714-715-11:
Spanish Panel



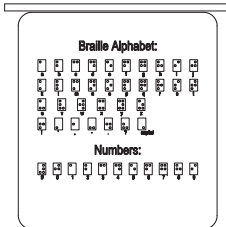
Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

714-617, 714-714-1, 714-714-2, 714-714-3, 714-714-4, 714-714-5, 714-714-6, 714-714-7, 714-714-8, 714-715-1, 714-715-2, 714-715-3, 714-715-4, 714-715-5, 714-715-10, 714-715-11, 714-715-12, 714-715-13, 714-715-15, 714-715-20, 714-732, 714-732-1, 714-732-2, 714-761-2, 714-761-3, 714-761-4, 714-895-1, 714-895-3

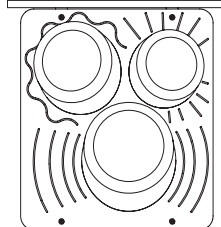
Kids' Choice®

Imagination Panels & Activity Panels

**714-715-12:
Braille Panel**



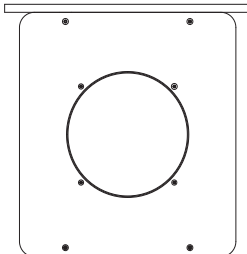
**714-715-13:
Calypso 3-Drum Panel**



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



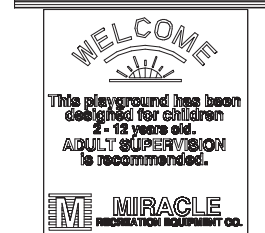
**714-715-20:
Activity Panel Frame**



**714-732-1:
Welcome Panel (2-5)**



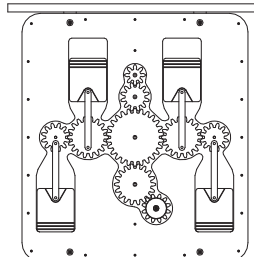
**714-732-2:
Welcome Panel (2-12)**



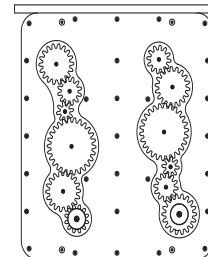
**714-732:
Welcome Panel (5-12)**



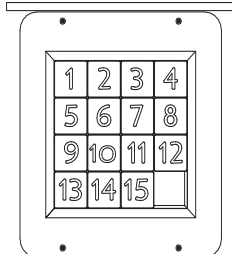
**714-761-2:
Piston Panel**



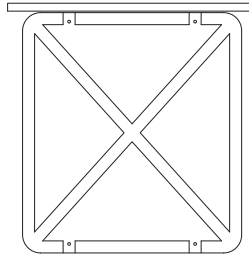
**714-761-3:
Gear Panel**



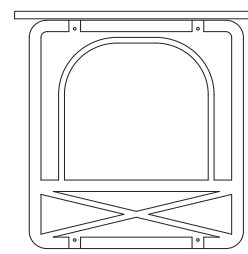
**714-761-4:
Sliding Tile Panel**



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



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



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

Imagination Panels & Activity Panels

714-617, 714-714-1, 714-714-2, 714-714-3, 714-714-4, 714-714-5, 714-714-6, 714-714-7, 714-714-8, 714-715-1, 714-715-2, 714-715-3, 714-715-4, 714-715-5, 714-715-10, 714-715-11, 714-715-12, 714-715-13, 714-715-15, 714-715-20, 714-732, 714-732-1, 714-732-2, 714-761-2, 714-761-3, 714-761-4, 714-895-1, 714-895-3

Kids' Choice®

Imagination Panels & Activity Panels

DESCRIPTION

These deck-mounting representational activity panels are designed to enhance imagination and creative play.

- Welcome panels are decorative and display the intended user age range.
- Vehicle-themed panels feature steering wheel assemblies.
- The Piston Panel, Gear Panel, Hypnotize Insert, Funyhouse Insert, Very Buried Insert, A-maze-ing Insert and Four-the-Win Insert, contain dynamic, user-driven parts sealed behind a transparent, tamper-resistant cover.
- The Sliding Tile Panel and Slide & Solve Insert, contains 15 routed, moveable tiles with one empty space challenging users to shift the tiles into proper sequence.
- The Calypso 3-Drum Panel and Magical Music Insert allows musical expression, that may be struck with the hands to create different sounds.

MATERIALS

Panels:	The panels shall be constructed of <u>Mira-Lene</u> with all corners rounded. Panels shall measure 36-1/2" x 40".
Pilot Panel w/ Window: Model 714-714-6 only	In addition to the above materials and specifications, Model 714-714-6 shall feature a clear polycarbonate window mechanically fastened to the panel.
Gear Panel and Piston Panel: Model 714-761-3, 714-761-2 only	In addition to the above materials and specifications, Model 714-761-3 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 black nylon handles and drive gears which shall turn on bronze bushings. Its opposite side shall contain side-by-side routed finger mazes. Model 714-761-2 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 714-761-4 only	In addition to material and specifications detailed in "panels" paragraph above, Model 714-761-4 shall contain 15 moveable, tongue-and-groove tiles with routed numerals constructed of 1/4" thick high-density polyethylene.
Calypso 3-Drum Panel: Model 714-715-13 only	In addition to material and specifications detailed in "panels" paragraph above, Model 714-715-13 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 <u>Mira-Cote</u> finish.
Rung Bracket:	The rung brackets shall be constructed of <u>1" pipe</u> with bolting tabs of 11 ga. <u>A-60 Galvannealed</u> sheet, all solid <u>welded</u> .

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

714-617, 714-714-1, 714-714-2, 714-714-3, 714-714-4, 714-714-5, 714-714-6, 714-714-7, 714-714-8, 714-715-1,
714-715-2, 714-715-3, 714-715-4, 714-715-5, 714-715-10, 714-715-11, 714-715-12, 714-715-13, 714-715-15,
714-715-20, 714-732, 714-732-1, 714-732-2, 714-761-2, 714-761-3, 714-761-4, 714-895-1, 714-895-3

Kids' Choice®

Imagination Panels & Activity Panels

MATERIALS (continued)

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. Models 714-714-6 and 714-714-7 Pilot Panels shall each contain two side-by-side steering wheels for cooperative play.
Star Brackets:	Themed for Space Ship Panel, star brackets will be constructed of 11 ga. HRPO steel and powder coat painted.
Fasteners:	Each assembly shall contain <u>Versalok Fasteners</u> and <u>Fastener Style A</u> hardware.
Finishes:	The panels and steering wheels shall have molded-in color. Each panel assembly shall have a two-color scheme. The rung brackets and clamps shall have a <u>Mira-Cote</u> finish.

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



Product Specifications

Jan. 21, 2002 Rev. B

Kids' Choice®

Cylinder Panels

714-763-1 and 714-763-2

Critter Puzzle Panel



714-763-3 and 714-763-4

Tic-Tac-Toe Panel



714-763-1 and 714-763-2

3-Letter Word Speller Panel



714-763-3 and 714-763-4

Dinosaur Panel



714-763-5

714-763-5

Cylinder Panels

714-763-1, 714-763-2, 714-763-3, 714-763-4, 714-763-5

Kids' Choice®

Cylinder Panels

714-763-1 and 714-763-2

714-763-3 and 714-763-4

714-763-5

Planet Panel





MIRACLE
RECREATION EQUIPMENT COMPANY

Kids' Choice®

Cylinder Panels

Jan. 21, 2002 Rev. B

<u>MODEL #</u>	<u>PRODUCT</u>	<u>CONCRETE</u>
714-763-1	Critter Puzzle Panel	See Post specifications
714-763-2	Tic-Tac-Toe Panel	"
714-763-3	3-Letter Word Speller Panel	"
714-763-4	Dinosaur Panel	"
714-763-5	Planet Panel	"

DESCRIPTION

These deck-mounting Cylinder Panels are panel assemblies which contain nine cylinders in rows and columns of three. The cylinders spin independently of one another, and each contains two molded-in graphic images on opposite sides.

MATERIALS

Panel:	The panel shall be constructed of <u>Rockite</u> with all corners rounded, and shall have cylinder assemblies factory-installed using tamper-proof hardware.
Cylinders:	Each cylinder shall be constructed of <u>Rockite</u> with molded-in graphics on two "sides." Cylinder axels shall be constructed of <u>1" pipe</u> .
Enclosures:	Each enclosure shall consist of a vertical upright and horizontal stubs of <u>1" pipe</u> solid <u>welded</u> , drilled and formed.
Versalok Fasteners:	All <u>Versalok Fasteners</u> for deck and component attachment shall be <u>aluminum alloy</u> .
Fasteners:	All hardware shall be <u>Fastener Style A</u> .
Finishes:	The <u>Rockite</u> panel and cylinders shall have color molded in. The enclosures 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.

Cylinder Panels

714-763-1, 714-763-2, 714-763-3, 714-763-4, 714-763-5



MIRACLE
RECREATION EQUIPMENT COMPANY

Product Specifications

December 16, 2008

Rev. C

Kids' Choice®

Bongo Perch, Big Timber® Bongo Stump Perch, Bongo Bridges and Big Timber® Bongo Stump Bridges

Ground-to-Deck, Between Decks or Freestanding; spans of 8', 10' & 12'

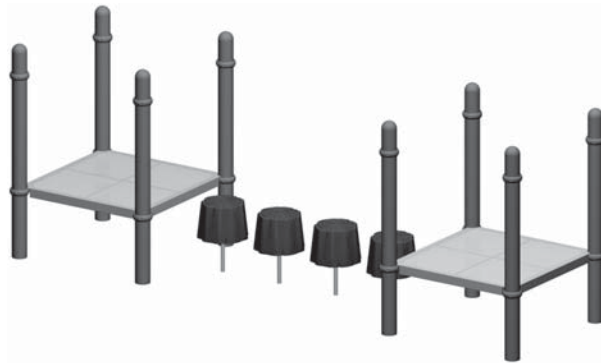
714-625-1

Big Timber Bongo Stump Perch



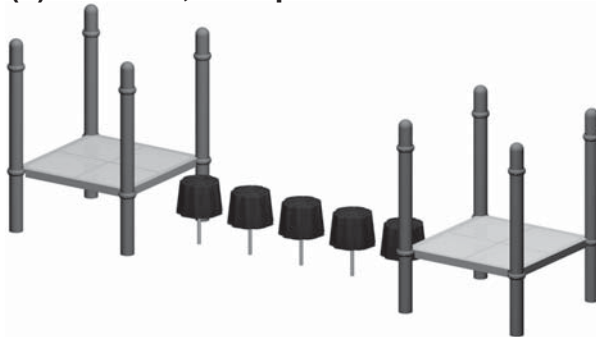
714-625-8

Big Timber Bongo Stump Bridge,
(4) Perches; 8' Span



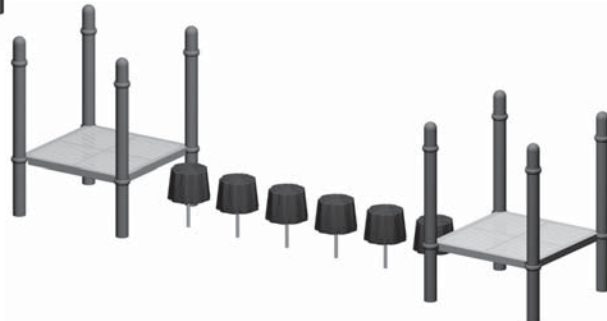
714-625-10

Big Timber Bongo Stump Bridge,
(5) Perches; 10' Span



714-625-12

Big Timber Bongo Stump Bridge,
(6) Perches; 12' Span



Bongo Perch & Bongo Bridges

714-625-1, 714-625-8, 714-625-10, 714-625-12, 714-772-1,
714-772-8, 714-772-10, 714-772-12



MIRACLE
RECREATION EQUIPMENT COMPANY

Kids' Choice®

Deck-mount models for 2'-0" Decks or lower, not included.

Bongo Perch, Big Timber® Bongo Stump Perch, Bongo Bridges and Big Timber® Bongo Stump Bridges

Ground-to-Deck, Between Decks or Freestanding; spans of 8', 10' & 12'

714-772-1

Bongo Perch



714-772-8

**Bongo Bridge, (4) Perches;
8' Span**



714-772-10

**Bongo Bridge, (5) Perches;
10' Span**



714-772-12

**Bongo Bridge, (6) Perches;
12' Span**





Kids' Choice®

Bongo Perch, Big Timber® Bongo Stump Perch, Bongo Bridges and Big Timber® Bongo Stump Bridges

Ground-to-Deck, Between Decks or Freestanding; spans of 8', 10' & 12'

MODEL #	PRODUCT	GRND SPC.	CONCRETE	PROT. AREA
714-625-1	Big Timber Bongo Stump Perch	1'-4" x 1'-4"	0.05 cu. yds.	14'-6" diameter
714-625-8	Big Timber Bongo Stump Bridge, (4) Perches; 8' Span	1'-4" x 6'-6"	0.20 cu. yds.	14' x 20'
714-625-10	Big Timber Bongo Stump Bridge, (5) Perches; 10' Span	1'-4" x 8'-6"	0.25 cu. yds.	14' x 22'
714-625-12	Big Timber Bongo Stump Bridge, (6) Perches; 12' Span	1'-4" x 12'-6"	0.30 cu. yds.	14' x 22'
714-772-1	Bongo Perch	1'-4" x 1'-4"	0.05 cu. yds.	14'-6" diameter
714-772-8	Bongo Bridge, (4) Perches; 8' Span	1'-4" x 6'-6"	0.20 cu. yds.	14' x 20'
714-772-10	Bongo Bridge, (5) Perches; 10' Span	1'-4" x 8'-6"	0.25 cu. yds.	14' x 22'
714-772-12	Bongo Bridge, (6) Perches; 12' Span	1'-4" x 12'-6"	0.30 cu. yds.	14' x 22'

DESCRIPTION:

The Bongo Bridges are designed to enter/exit 2' or lower deck systems, either as a bridge between decks, a ground-to-deck "stair," or as a freestanding assembly with no decks. When installed as a bridge, Bongo Perches may be installed at ascending/descending heights or all level, but should follow a straight course between decks. Freestanding Bongo Perches may ascend & descend and may follow any course so long as Bongo Perches are set 7" to 9" edge-to-edge. Bongo Perches may also be clustered and installed flush with each other to create a table, seats, small climber, etc. Regardless of layout and design, top surfaces may be set no greater than 24" from Finished Grade.

Note: If designing as bridge between 2'-0" decks intended for 2 to 5 year old users, deck enclosures Model # 714-813-5 must be installed on each deck, which are sold separately.

MATERIALS:

Bongo Perch Pod & Post Assemblies:	Each Bongo Perch comprises a pod or stump and post assembly. Pods shall be constructed of <u>Rockite</u> and shall comprise a hex-shaped top surface measuring approximately 16" diameter. Stumps shall be constructed of <u>Rockite</u> and shall comprise a log-shaped top surface measuring approximately 17" diameter. Pods and stumps shall measure 12" high without posts. Posts shall be constructed of <u>1-1/2" pipe</u> with a 5-7/8" diameter mounting plate of 11 ga. <u>G-90 galvanized</u> solid <u>welded</u> to the posts. Post length shall be 38-5/16" before field assembly to pod or stump. Overall assembled length shall be 42".
Fasteners:	All fasteners shall be <u>Fastener Style A</u> .
Finishes:	The <u>Rockite</u> pod and stump steps shall have color molded in. The posts shall be finished in <u>Mira-cote</u> .

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



MIRACLE
RECREATION EQUIPMENT COMPANY

Product Specifications

March 12, 2008

Rev. B

Kids' Choice

Inclined Spider Climbers from 3' & 4' and 5' & 6'-6" Decks

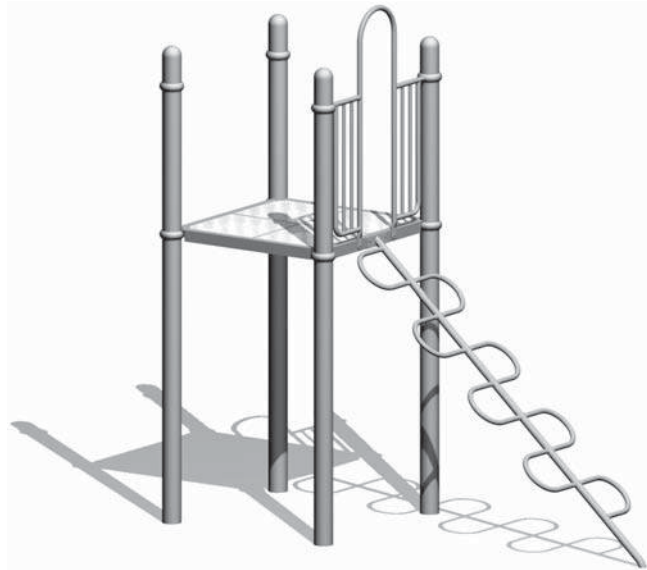
714-778-4

Inclined Spider Climber from 3' & 4' Decks



714-778-6

Inclined Spider Climber from 5' & 6'-6" Decks



Inclined Spider Climbers (3' & 4' / 5' & 6'-6")



MIRACLE
RECREATION EQUIPMENT COMPANY

Kids' Choice

Inclined Spider Climbers from 3' & 4' and 5' & 6'-6" Decks

<u>MODEL #</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>CONCRETE</u>
714-778-4	Inclined Spider Climber from 3' Decks	5'-1" x 3'	0.10 cu. yds.
714-778-4	Inclined Spider Climber from 4' Decks	5'-1" x 3'	0.10 cu. yds.
714-778-6	Inclined Spider Climber from 5' Decks	7'-3" x 3'	0.10 cu. yds.
714-778-6	Inclined Spider Climber from 6'-6" Decks	7'-3" x 3'	0.10 cu. yds.

DESCRIPTION:

The Inclined Spider Climbers are designed to be used as an entry or as an exit from deck systems of various heights.

MATERIALS:

Inclined Spider Climber: The middle rail shall be bent 1-1/2" pipe with rungs to be constructed of 1" pipe, mashed on ends and all welded construction. A 1/4" thick steel plate with two (2) bolt holes shall be welded on end of climber. Dimensions shall be 30" wide with the span for Model # 714-778-4 being 5' and the span for Model # 714-778-6 being 7'-1".

Enclosure Assembly: The enclosure assembly shall consist of top supports, a bottom support, and an arched upright, to be constructed of 1" pipe, drilled, formed and mashed, and vertical rungs to be constructed of 1" tube. The enclosure assembly shall be solid welded. Plastic pipe plugs shall close open ends.

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

Fasteners: All hardware shall be Fastener Style A.

Finishes: The climber, enclosures, and Versalok Fasteners shall have a Mira-cote finish.

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

Inclined Spider Climbers (3' & 4' / 5' & 6'-6")



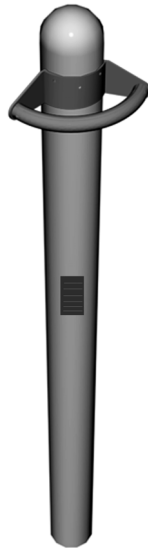
Product Specifications

Oct. 3, 2000 Rev. B

Kids' Choice
Crunch Station

714-782

Crunch Station



Crunch Station

714-782

Kids' Choice Crunch Station

<u>MODEL #</u>	<u>PRODUCT</u>	<u>PROT. AREA</u>	<u>CONCRETE</u>
714-782	Crunch Station	6'-8" radius/post	See Post Spec.

DESCRIPTION:

The Crunch Station is a semi-circular horizontal rung assembly designed for mounting on a 5" steel deck post with the rung set 50" - 80" from finished grade. The Crunch Station enables the user to perform leg lifts and crunches in a standing position.

MATERIALS:

Crunch Station: The Crunch Station shall be constructed of a cut and formed 1" pipe segment solid welded to support and bolt plates of 7 ga. galvanized steel.

Fasteners: All hardware for deck and component attachment shall be Fastener Style A.

Finish: The Crunch Station 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

July 18, 2006

Rev. A

Kids' Choice®
Bell, Post Mount

714-796-P1

Bell, Post Mount



Bell, Post Mount

714-796-P1



MIRACLE
RECREATION EQUIPMENT COMPANY

Kids' Choice®
Bell, Post Mount

Bell, Post Mount

<u>MODEL #</u>	<u>PRODUCT</u>	<u>PROT. AREA</u>	<u>GRND. SPACE</u>	<u>CONCRETE</u>
714-796-P1	Bell, Post Mount	None	1' x 1'	None

DESCRIPTION:

This post mount Bell is designed to add noisy, imaginative play to any pre-existing deck post.

Bell Assembly:

The Bell Assembly shall consist of a Bell, a Bell Support, a 6-link Chain, an eyebolt, and Fastener Style A hardware. The Bell shall be constructed of A-60 Galvannealed. The Bell Support shall be constructed of 1" Pipe, Gator Grip. The Bell Chain shall be constructed of 4/0 straight link coil chain.

Finishes:

The Bell shall have a Mira-Cote finish.

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

714-796-P1

Kids' Choice®

Handhold for Transfer Point, Wall Enclosures, Recycled Plastic Enclosure, Wire Mesh Enclosure, Treehouse Wall and Enclosure Wall w/Steering Wheel

714-811

Handhold for Transfer Deck
(1' or 1'-6" Deck)



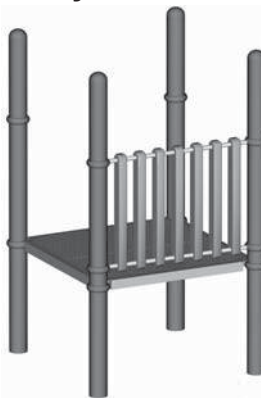
714-816

Wall Enclosure



714-816R

Wall Enclosure
Recycled Plastic



714-816-1

Wire Mesh Enclosure



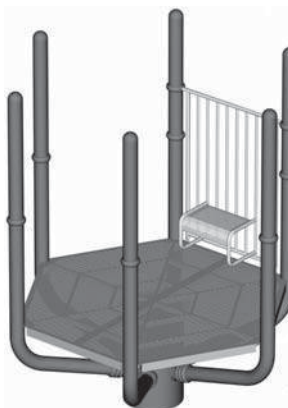
714-816-45

Wall Enclosure, Wide Side



714-817

Treehouse Wall w/Seat



714-900

Wall Enclosure
w/Steering Wheel



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

Handhold and Wall Enclosures

714-811, 714-816, 714-816R, 714-816-1, 714-816-45, 714-817, 714-900

Kids' Choice®

Handhold for Transfer Deck, Wall Enclosures, Recycled Plastic Enclosure, Wire Mesh Enclosure, Treehouse Wall and Enclosure Wall w/Steering Wheel

<u>MODEL</u>	<u>PRODUCT</u>	<u>PROT. AREA</u>	<u>GRND. SPACE</u>	<u>CONCRETE</u>
714-811	Handhold for Transfer Deck (1' or 1'-6" Deck)	NA	NA	NA
714-816	Wall Enclosure	NA	NA	NA
714-816R	Wall Enclosure Recycled Plastic	NA	NA	NA
714-816-1	Wire Mesh Enclosure	NA	NA	NA
714-816-45	Wall Enclosure, Wide Side of 511 TRI-DK	NA	NA	NA
714-817	Treehouse Wall w/Seat	NA	NA	NA
714-900	Wall Enclosure w/Steering Wheel	NA	NA	NA

DESCRIPTION

Model 714-811 Handhold for Transfer Deck, is a support rail to assist wheelchair users with access to a 12" to 18" transfer point deck.

Model 714-816R Recycled Plastic Enclosure, Model 714-816 Wall Enclosure and Model 714-816-1 Wire Mesh Enclosure, are designed to be a barrier on any open side of a deck.

Model 714-816-45 Wall Enclosure, Wide Side is designed to be a barrier on the hypotenuse of a right triangle (split) deck.

Model 714-817 Treehouse Wall w/Seat is an enclosure with a PVC-dipped steel seat for use on 6-sided and 8-sided decks only.

Model 714-900 Wall Enclosure w/Steering Wheel is designed to be a barrier designed to enhance imaginative play.

MATERIALS

Wall Enclosure, Wire Mesh Enclosure, Handhold for Transfer Point: The wall enclosure and wire mesh enclosure supports shall consist of a solid welded handrail assembly with top, side and bottom rails constructed of 1" pipe and spoked infill of 3/4" x 1" oval tube. Wire mesh shall be 3 ga. resistance welded at each intersection.

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

Recycled Plastic Enclosure: The recycled plastic enclosure shall consist of top and bottom support rails constructed of 1" pipe and uprights constructed of 3-1/2 x 2-1/2" recycled plastic timbers.

Enclosure with 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 surface shall be approximately 14" from the deck surface.

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

Kids' Choice®

Handhold for Transfer Point, Wall Enclosures, Recycled Plastic Enclosure, Wire Mesh Enclosure, Treehouse Wall and Enclosure Wall w/Steering Wheel

MATERIALS cont.

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 are tested in accordance with ASTM testing procedures D-1505, D-1248, D-1693(b), D638, 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 with U.V. light stabilizers.

Fasteners:

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

Finishes:

The wall enclosure assemblies, handhold and clamps shall have a Mira-Cote finish. The seat shall be finished in Mira-Therm. The steering wheel and plastic timbers shall have color molded in.

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



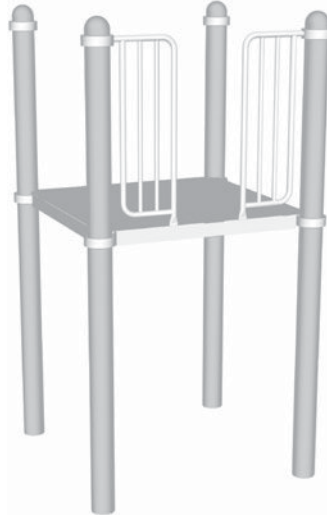
Kids' Choice®

Deck Enclosures**714-813-1****One-Sided Deck Enclosure**

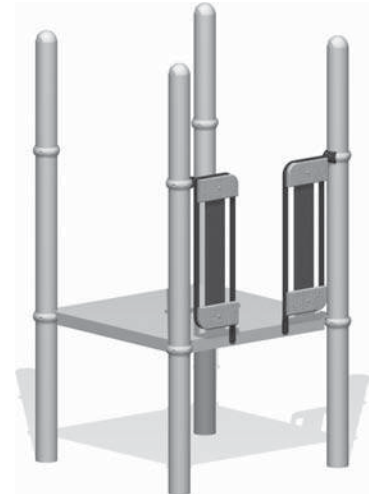
Model mounts vertically on Deck system on Post opposite Post to which Horseshoe Climber (Model # 714-776-5) is mounted.

**714-813-5****Deck Enclosure**

Model mounts vertically on Deck systems at either or both ends of Overhead Climber component

**714-813-5R1****Nature Deck Enclosure**

Model mounts vertically on Deck systems at either or both ends of Overhead Climber component



<u>MODEL #</u>	<u>PRODUCT</u>	<u>CONCRETE</u>	<u>GROUND SPACE</u>
714-813-1	One-Sided Deck Enclosure	N/A	N/A
714-813-5	Deck Enclosure	N/A	N/A
714-813-5R1	Nature Deck Enclosure	N/A	N/A

DESCRIPTION

The standard deck enclosures are basic accessories for overhead climber systems, typically installed at either end on a deck system or between deck posts, respectively. The one sided deck enclosure is mounted on deck system for use only with Horseshoe Climber, Model # 714-767, which may be mounted to any corner post of a 4' deck.

Kids' Choice®

Deck Enclosures

MATERIALS

Deck Enclosure (Standard):

The deck enclosure shall consist of two pieces, each comprising enclosure rails and uprights. The enclosure rails shall be constructed of 1" pipe, drilled, with plastic pipe plugs inserted in open end (at post) and mashed at deck end. The uprights shall be constructed of 3/4" x 1" oval tube. The entire assembly shall be solid welded.

Deck Enclosure (One-Sided):

The one-sided deck enclosure shall comprise enclosure rails and uprights. The enclosure rails shall be constructed of 1" pipe, drilled and mashed at deck end. The uprights shall be constructed of 3/4" x 1" oval tube. The entire assembly shall be solid welded.

Deck Enclosure (Nature Deck):

The nature deck enclosure shall comprise rails constructed of 1" pipe drilled and mashed at deck end and fully welded. Brackets of 11 ga. galvanized sheet steel are stitch welded to the 1" pipe frame. Boards of 1" x 5.5" recycled plastic and wood composite are fastened to the frame with Fastener Style A hardware.

Fasteners:

All Versalok Fasteners for deck and component attachment shall be aluminum alloy. All hardware shall be Fastener Style A.

Finishes:

The deck enclosures and Versalok Fasteners shall have a Mira-Cote finish.



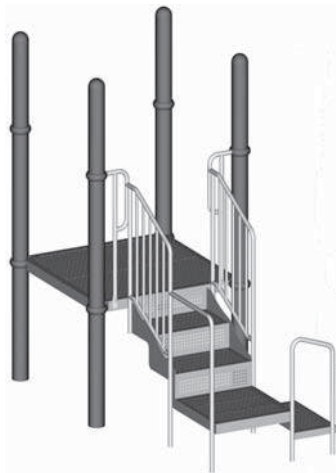
Kids' Choice® - Mira-Therm II™

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

Deck systems not included in these assemblies.

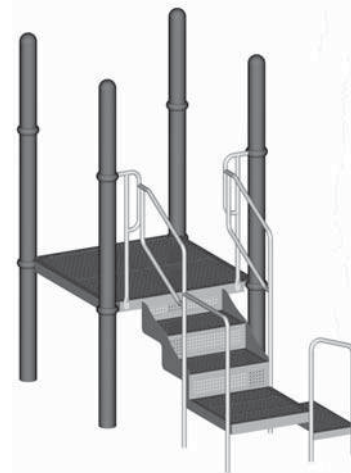
714-851-39

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



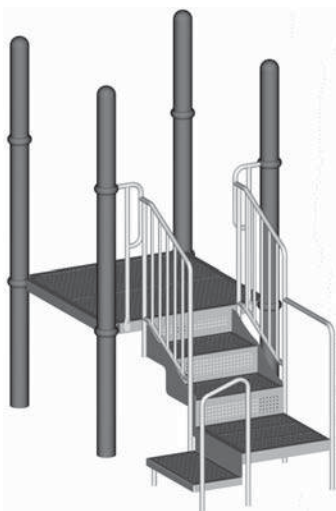
714-851-359

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



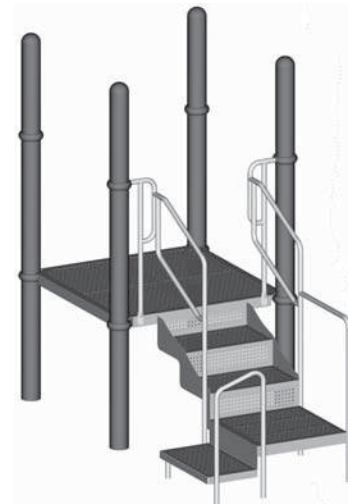
714-851-39

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



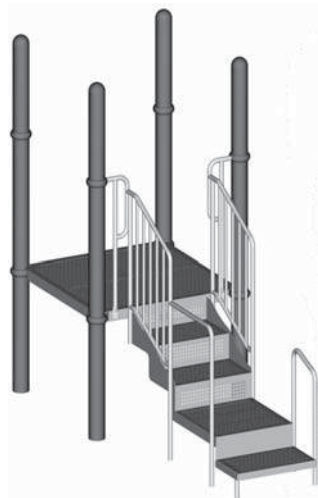
Kids' Choice® - Mira-Therm II™

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

Deck systems not included in these assemblies.

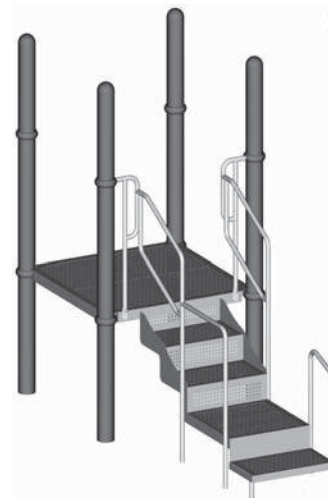
714-851-39

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



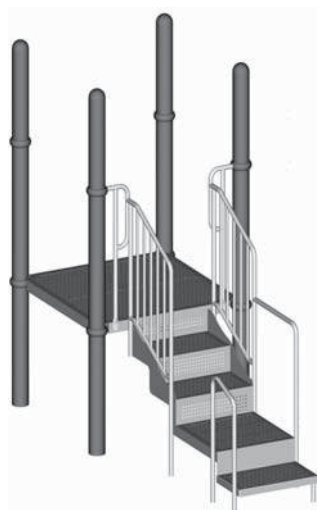
714-851-359

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



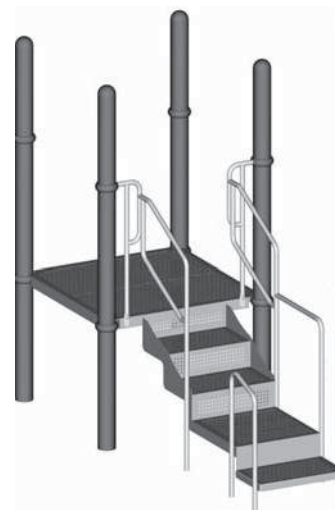
714-851-39

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



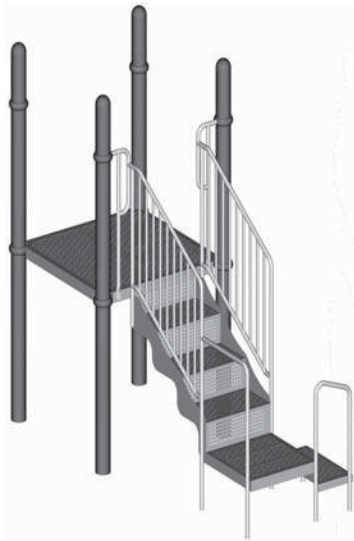
Kids' Choice® - Mira-Therm II™

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

Deck systems not included in these assemblies.

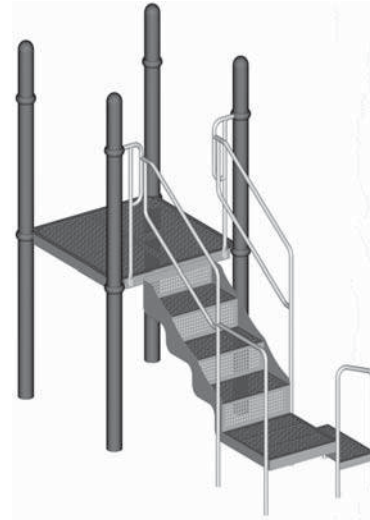
714-851-49

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



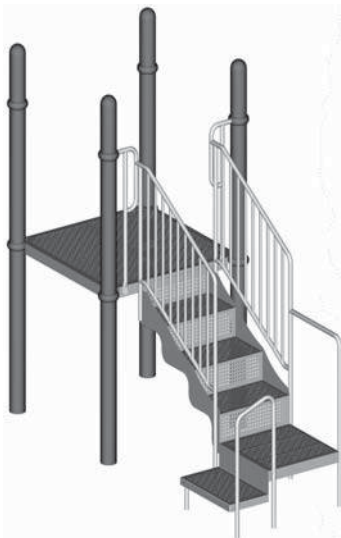
714-851-459

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



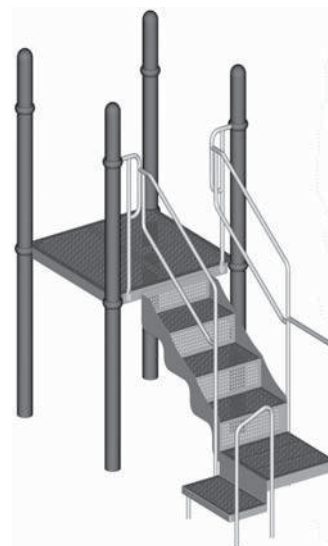
714-851-49

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



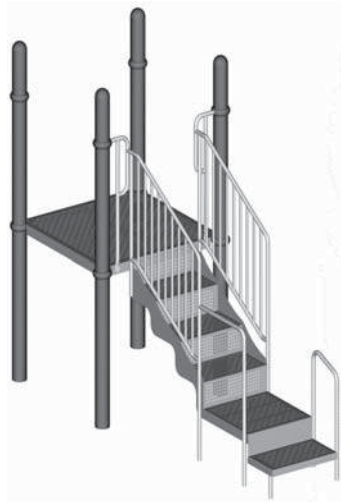
Kids' Choice® - Mira-Therm II™

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

Deck systems not included in these assemblies.

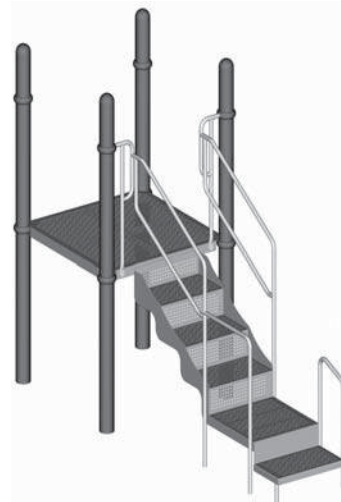
714-851-49

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



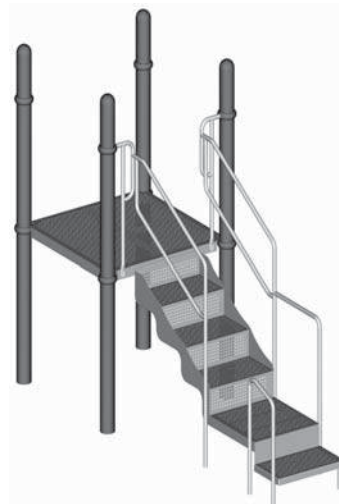
714-851-49

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



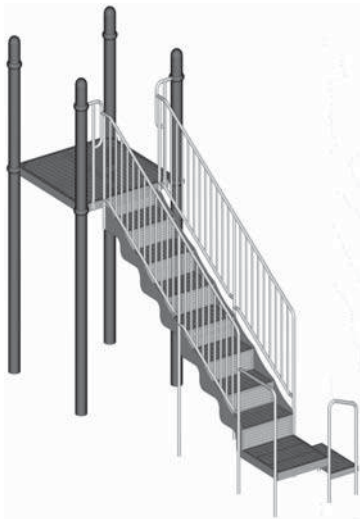
Kids' Choice® - Mira-Therm II™

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

Deck systems not included in these assemblies.

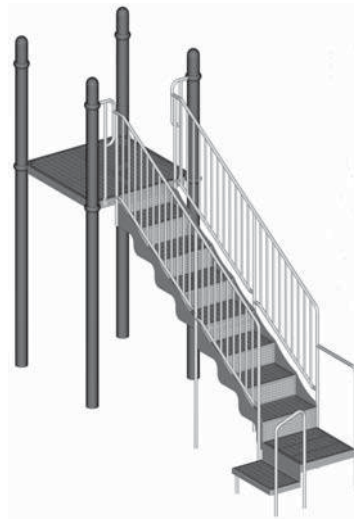
714-851-69

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.

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

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

Kids' Choice®

Steering Wheel, Post Mount



714-900-P1

Steering Wheel, Post Mount

<u>MODEL</u>	<u>PRODUCT</u>	<u>PROT. AREA</u>	<u>GRND. SPACE</u>	<u>CONCRETE</u>
714-900-P1	Steering Wheel, Post Mount	NA	2' x 1'	NA

DESCRIPTION:

This Steering Wheel, Post Mount, is designed to provide driving simulation on any pre-existing deck post.

MATERIALS:

Steering Wheel:

The steering wheel shall be constructed of a high density blow molded polyethylene produced from high performance, U.V. stabilized 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 shall contain U.V. light stabilizers.

Steering Column:

The steering column shall be constructed of 2" pipe.

Fasteners:

The assembly shall contain Fastener Style A hardware.

Finishes:

The steering column shall have a Mira-Cote finish.

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

Steering Wheel, Post Mount

714-900-P1



MIRACLE
RECREATION EQUIPMENT COMPANY

Product Specifications

March 26, 2004

Rev. B

Kids' Choice®

"L" Slide from 3' Deck; Right Exit

714-907-1

"L" Slide from 3' Deck; Right



"L" Slide

714-907-1

Kids' Choice®
"L" Slide

<u>MODEL #</u>	<u>PRODUCT</u>	<u>OVERALL HT.</u>	<u>GRND. SPC.</u>	<u>PROT. AREA</u>	<u>CONCRETE</u>
714-907-1	"L" Slide from 3' Deck; Right Exit	6'-2"	5' x 5'	17' x 18'	.05 cu. yds.

DESCRIPTION

The "L" slide with canopy is designed to exit right from a 3' deck.

MATERIALS

Slide and Canopy Panel: The one-piece slide shall be constructed of double-wall Rockite and shall have 6-1/4" high side rails, an overall width of 25-5/8", and an 18" wide sliding surface. The canopy panel shall also be constructed of double-wall Rockite and shall be field mounted to deck and to post clamps via a 41-1/2" long rung constructed of 1" pipe.

Leg: The leg shall be 1-1/2" tube, welded to a 7 ga. A-60 Galvannealed mounting bracket.

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

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

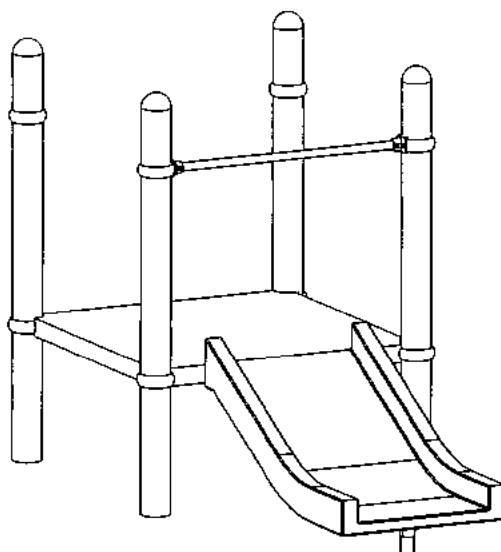
Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.



PRODUCT SPECIFICATIONS

**Model 714-910:
Ski Slide from a 2' Deck**

April 3, 1998 Rev. E



714-910

Ski Slide from a 2' Deck

April 3, 1998 Rev. E

DESCRIPTION:

Model 714-910 is a single bedway Rockite slide for a 2' deck.

Ground space	Deck ht.	Overall ht.
4'-4" x 2'-6"	2' deck	5'-2"

Concrete for footings: .05 cubic yards required.

MATERIALS:

Slide: The slide is constructed of Rockite® with aluminum bolting plates incorporated internally for securing the legs and in the end connecting to the deck. The dimensions are: bedway width, 31-3/4"; outside overall, 38"; rail width, 3-1/8"; top of bedway to top of rail, 4-1/2"; and bedway thickness, 2".

"T" leg: The "T" leg consists of an upright and a top. The upright is constructed of 2" pipe that measures 35" long with a 1-1/4" x 3-1/4" channel top constructed of 11 ga. sheet, welded to the upright in a "T" configuration.

Handhold Bar: The handhold bar is constructed of 1" pipe.

Fasteners: All hardware is fastener style A.

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

Finishes: The Rockite slide has color molded in. The leg, handhold bar, and Versalok™ Fasteners have a Mira-cote™ finish.

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

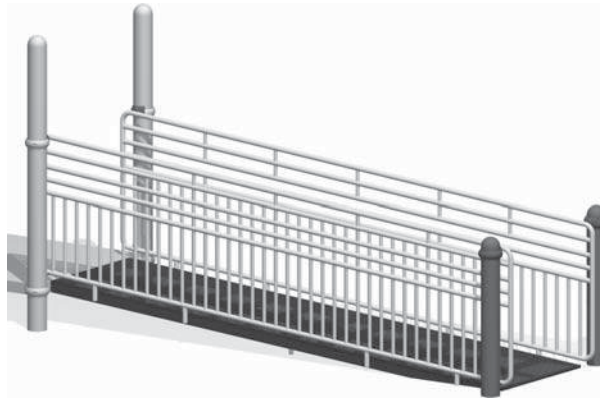
Kids' Choice® - Mira-Therm II

12' (1:12) **Ground-to-Deck Ramps** - Spoked or Open Handrails

714-920-9, 714-920-93*, 714-920-29*

12' (1:12) Ground-to-Deck Ramps w/Spoked Handrails, Mira-Therm II

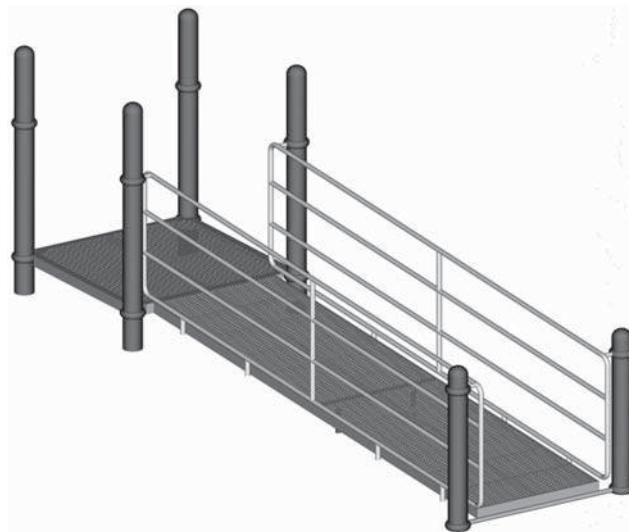
(*) Models 714-920-93, 714-920-29 not shown. Appearances and installations are identical.



714-920-59, 714-920-593*, 714-920-595**, 714-920-259*

12' (1:12) Ground-to-Deck Ramp w/Open Handrails, Mira-Therm II

(*) Model 714-920-593, 714-920-259 not shown. (**) Model 714-920-595 not shown.



*Note: Model numbers with an (**) indicate: Post Sold Separately.*

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

12' (1:12) Ground-to-Deck Ramps

714-920-9, 714-920-29, 714-920-93, 714-920-59, 714-920-593, 714-920-595, 714-920-259

Kids' Choice® - Mira-Therm II

12' (1:12) Ground-to-Deck Ramps - Spoked or Open Handrails

<u>MODEL</u>	<u>PRODUCT</u>	<u>GROUND SPC.</u>	<u>CONCRETE</u>
714-920-9	12' Ground-to-Deck Ramp - Spoked Handrails & Steel End Posts	12'-0" x 4'-0"	0.35 cu. yds.
714-920-93	12' Ground-to-Deck Ramp - Spoked Handrails & Steel End Posts	12'-0" x 4'-0"	0.35 cu. yds.
714-920-29	12' Ground-to-Deck Ramp - Spoked Handrails & Aluminum End Posts	12'-0" x 4'-0"	0.35 cu. yds.
714-920-59	12' Ground-to-Deck Ramp - Open Handrails & Steel End Posts	12'-0" x 4'-0"	0.35 cu. yds.
714-920-593	12' Ground-to-Deck Ramp - Open Handrails & Steel End Posts	12'-0" x 4'-0"	0.35 cu. yds.
714-920-595**	12' Ground-to-Deck Ramp - Open Handrails & Steel End Posts	12'-0" x 4'-0"	0.35 cu. yds.
714-920-259	12' Ground-to-Deck Ramp - Open Handrails & Aluminum End Posts	12'-0" x 4'-0"	0.35 cu. yds.

DESCRIPTION

These 12' long inclined ramp assemblies from ground level to a 1' high deck system feature either steel or aluminum end posts and spoked or open handrails.

MATERIALS

Ramps:

The 3' x 6' ramp sections 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.

Spoked Handrails: Each handrail assembly shall consist of a top and bottom rail, uprights, and leg extension stubs. The top and bottom rails shall be constructed of 1" pipe. The uprights and stubs shall be constructed of 1" tube. The entire assembly shall be solid welded. Plastic pipe plugs shall be inserted in ends of stubs.

Open Handrails: Each handrail assembly shall consist of a top, bottom, and middle rail constructed of 1" pipe. The leg extension stubs shall be 1" tube with plastic pipe plugs inserted in open ends. The middle rail shall be welded to the top rail. The entire assembly shall be solid welded.

Stub Assemblies: The handrail stubs shall be constructed of 1" pipe with 3/8" aluminum inserts.

Posts : Posts for Models 714-920-9 and 714-920-59 shall be constructed of 5" tube, 11 ga. Posts for Models 714-920-93 and 714-920-593 shall be constructed of 5" tube. Posts for Models 714-920-29 and 714-920-259 shall be constructed of 5" aluminum tube. Each post shall have a 5" round end cap pressed into its top end. Each post shall measure 76" before end cap. Post for Model 714-920-595 is sold sperately.

Ramp Support: The ramp support shall consist of a 41" rung of 1" pipe and a bolting plate constructed of 7 ga. G-90 galvanized sheet.

Ramp Legs: Ramp legs shall measure 59" and shall be constructed of die-formed 1-1/2" tube.

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

Finishes: The handrails, posts, stubs, legs, and clamps shall have a Mira-Cote finish. The ramps shall have a Mira-Therm finish.

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



Product Specifications

January 12, 2006 Rev. B

Kids' Choice® - Mira-Therm II
ADA Ramp Extension

714-920E

714-920A

ADA Ramp Extension



714-920E

714-920A

ADA Ramp Extension Plate



ADA Ramp Extension

714-920E, 714-920A

Kids' Choice® - Mira-Therm II ADA Ramp Extension

<u>MODEL #</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>CONCRETE</u>
714-920E	ADA Ramp Extension	3' x 4'	0.05 cu. yds.
714-920A	ADA Ramp Extension Plate	1' x 3'	N/A

DESCRIPTION

The ADA Ramp Extension is designed to provide a smooth transition from ramp to finished grade on any ground-to-deck ADA ramp assembly.

MATERIALS

Ramp Extension: The ramp extension shall be constructed of 11 ga. sheet perforated with a staggered pattern of 3/8" round holes with tapered edges. The extension shall be 47-15/16" wide at its low end, 46-5/8" wide at its ramp end, and 36" wide at its apex of 3-1/8". The ramp extension shall contain a brace made of 1/4" flat with tabs of 1/4" x 2" flat for field attachment of leg. The entire assembly shall be solid welded.

Ramp Extension

Plate: The ramp extension plate shall be constructed of 7 ga. sheet. The extension plate shall be 12" wide by 35-3/4" long. The entire assembly shall be solid welded. The extension plate shall be PVC coated.

Leg: The leg shall comprise an upright of 2" pipe solid welded to a support channel of 11 ga. A-60 Galvannealed in a "T" configuration.

Fasteners: All fasteners shall be Fastener Style A.

Finishes: The ramp extension shall be finished in Mira-Therm. The leg shall have a Mira-Cote finish.

Kids' Choice®

Ramp Deck-To-Deck 12', 1:12 MT II

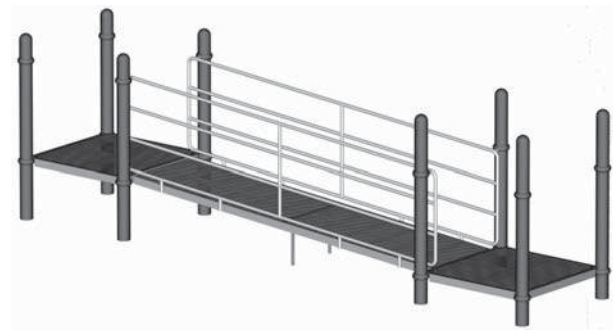
714-921-9

**Ramp Deck-To-Deck 12',
1:12 MT II**



714-921-59

**Ramp Deck-To-Deck 12',
1:12 OPN HNDRL MT II**



<u>MODEL</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>CONCRETE</u>
714-921-9	Ramp Deck-To-Deck 12', 1:12 MT II	4'-0" x 12'-0"	0.10 cu. yds.
714-921-59	Ramp Deck-To-Deck 12', 1:12 OPN HNDRL MT II	4'-0" x 12'-0"	0.10 cu. yds.

DESCRIPTION

The Ramp Deck-To-Deck 12', 1:12 MT II are horizontal walkways between adjacent deck systems with a 1' rise and 12' run. Spoked or open handrails enclose the ramps on both sides.

MATERIALS

- Ramp Sections:** Ramp sections shall be constructed of 11 ga. steel sheet perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center, with edges fold to form 3" tall walls; braces of 1/4" x 1-1/2" flat; all solid welded.
- Spoked Handrails:** Top and bottom rails and ramp mounting stubs shall be constructed of 1" pipe. Infill spokes shall be 3/4" x 1" oval tube. The entire assembly shall be solid welded. Plastic pipe plugs shall be inserted in open ends of stubs.
- Open Handrails:** Top, middle and bottom rails and ramp mounting stubs shall be constructed of 1" pipe. The entire assembly shall be solid welded. Plastic pipe plugs shall be inserted in open ends of stubs.
- Clamp Ramp Stubs:** Clamp ramp stubs for mounting handrails with plastic spacers to bar sockets, clamps and posts shall be constructed of 1" pipe containing 3/8" aluminum inserts.

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

Ramp Deck-To-Deck 12', 1:12 MT II

714-921-9, 714-921-59

Kids' Choice®

Ramp Deck-To-Deck 12', 1:12 MT II

MATERIALS cont.

- Ramp Legs: Support legs shall be constructed of 1-1/2" tube, mashed and punched.
- Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.
- Finishes: Ramps shall be finished in Mira-Therm II. Handrails, clamps and legs shall have a Mira-Cote finish.

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

Kids' Choice

Curved Loop Climbers and Uphill Climber

For use as a Deck system add-on. Deck system not included in this assembly.

714-724

714-968, 714-968-4 and 714-943

Climber Uphill 6'-6" or 8' Deck



714-968, 714-968-4* and 714-943

714-724

Curved Loop Climber from a 3' Deck Curved Loop Climber from a 5' or 6'-6" Deck

* Model # 714-968-4 Curved Loop Climber from a 4' deck not shown.



Curved Loop Climbers, Uphill Climber

714-724, 714-943, 714-968, 714-968-4

Kids' Choice

Curved Loop Climbers and Uphill Climber

For use as a Deck system add-on. Deck system not included in this assembly.

<u>MODEL NO:</u>	<u>PRODUCT:</u>	<u>GRND SPC.</u>	<u>CONCRETE:</u>
714-724	Climber Uphill for 6'-6" or 8' Deck	2' x 9'-6"	0.10 cu. yds.
714-943	Climber Curved Loop for 5' or 6'-6" Deck	2' x 8'-4"	0.10 cu. yds.
714-968	Climber Curved Loop for 3' Deck	2' x 6'-2"	0.10 cu. yds.
714-968-4	Climber Curved Loop for 4' Deck	2' x 6'-9"	0.10 cu. yds.

DESCRIPTION:

The curved loop climbers and uphill climbers are to be used as an entry to or an exit from decks at various heights.

MATERIALS:

Curved Loop Climber
and Uphill Climber:

The side rails for the curved loop climbers shall be 1-1/2" pipe with blind fasteners inside top end. The side rails for the uphill climber shall be 1-1/2" heavy pipe with blind fasteners inside top end. The curved rungs shall be constructed of 1" tubing, die-formed and welded to side rails. The climbers shall be 20" wide with the span for Model #714-724 being 9'-3", Model # 714-943 being 8'-1", Model # 714-968 being 5'-11", and Model # 714-968-4 being 6'-6".

Enclosure Assembly:

The enclosure assembly shall consist of top supports, a bottom support, 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:

All hardware shall be Fastener Style A.

Versalok Fasteners:

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

Finishes:

The uphill climber, curved loop climbers, enclosure assembly, and Versalok Fasteners shall have a Mira-cote finish.

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

Kids' Choice® - Mira-Therm II

Kids' Perch: MTII, w/Wheel MTII, w/Extended Wheel MTII



<u>MODEL</u>	<u>PRODUCT</u>	<u>GRND. SPACE</u>	<u>PROT. AREA</u>	<u>CONCRETE</u>
714-992-9	Kids' Perch MTII	10" x 40"	N/A	N/A
714-992-69	Kids' Perch w/Wheel MTII	10" x 40"	N/A	N/A
714-992-69A	Kids' Perch w/Extended Wheel MTII	10" x 40"	N/A	N/A

DESCRIPTION

The Kids' Perch consist of a curved deck extension and a curved deck enclosure designed to enhance imaginative play. Models 714-992-69 features a steering wheel fastened to the enclosure and Model 714-992-69A features a steering wheel attached to enclosure crossbars to be more easily grasped by wheelchair-bound users.

MATERIALS

Platform:

The platform shall be constructed with 11 ga. steel sheet perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. The frame shall be constructed by folding edges to form 3" tall walls and shall be supported by solid welded supports of 1/4" x 1-1/2" flat steel. The platform shall be approximately 40" long with a radius of 9-7/16".

Enclosure:

The enclosure shall consist of enclosure rails, uprights, and a center stub which shall support the bottom rail. The enclosure rails and center stub shall be constructed of 1" pipe. The crossbars shall be constructed of 1" tube. The outer uprights and mount rung shall be constructed of 1" pipe, mashed on both ends. The inner uprights shall be constructed of 3/4" x 1" oval tube. The entire assembly shall be solid welded.

Steering Wheel Mounting Bracket:

The mounting bracket shall be 7 ga. G-90 Galvanized sheet steel welded to the wall enclosure.

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

Kids' Perch

714-992-9, 714-992-69, 714-992-69A

Kids' Choice® - Mira-Therm II

Kids' Perch: MTII, w/Wheel MTII, w/Extended Wheel MTII

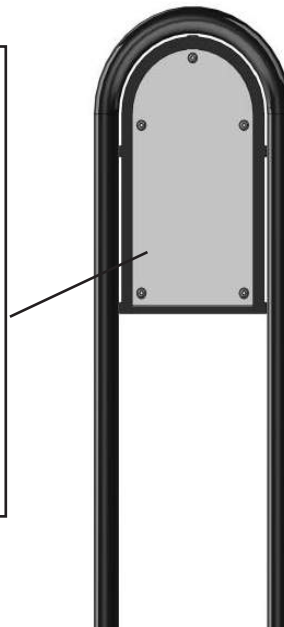
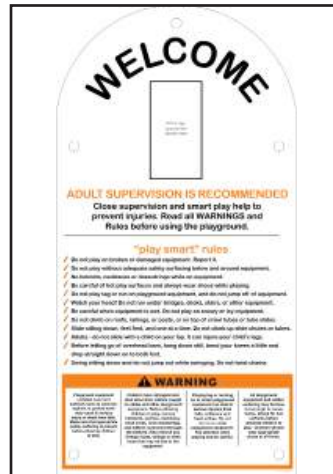
MATERIALS cont.

- Steering Wheel:** The steering wheel shall be constructed of a high density blow molded polyethylene produced from high performance, U.V. stabilized 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 shall contain U.V. light stabilizers.
- Fasteners:** The assembly shall contain Versalok Fasteners and Fastener Style A hardware.
- Finishes:** The platform shall be finished in Mira-Therm. The enclosure 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.



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.
787SP	Risk Management Sign - Spanish	1'-6" x 3'-6"	0.09 cu. yd.

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.

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

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

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



Candy Cane Playground

City of Ypsilanti, MI

Option 2

Playground Design

And

Product Specification

*P.O. Box 130
Holly, MI 48442
800.722.8546
www.miraclemidwest.com*



Miracle Midwest
PO Box 130
Holly, MI 48442
1-800-722-8546
info@miraclemidwest.com

QUOTE: R0016200007
CUSTOMER: 4819B06
Quote Date: 3/16/2020
Valid For: 30 Days From Quote Date
DELIVERY TIME ARO: 5-7 weeks
(After Receipt of Order and Any Required
Approved Submittals, Drawings, and/or
Color Selections)

Prepared For:

City of Ypsilanti
1 South Huron
Ypsilanti, MI 48197

Project Name & Location:

Candy Cane Park Playground
802 Courtland St.
Ypsilanti, MI 48197
OPTION 2

Prepared by:

Kim Alexander
Miracle Midwest
Holly, MI 48442
(800) 722-8546 (phone)
info@miraclemidwest.com

OPTION 2

MMW200114A-1A - 2-12 STRUCTURE

Product line: KidsChoice

Age group: 2-12

Part Number	Description	Qty
7145039	1/2 HEX FULL DECK (ATTACHES TO 4 POSTS)	6
7145491	5" OD X 88" POST F/MAZE PANELS	6
714551	5" OD X 106" POST (2'6" DECKS OR LESS)	6
714555	5" OD X 76" POST FOR FENCING & PANELS	2
714572	5" OD X 144" POST FOR ROOF (3' DECKS OR LESS)	6
714631	CHUNKY TREKKER CLIMBER (FREESTANDING)	1
7146582	JAX RIZER TO DECK (1'6" & 2' DECKS)	1
714700	5' SIDE-BY-SIDE SLIDE W/CANOPY (3' DECK)	1
7147151	ALPHABET PANEL	1
71471512	BRAILLE PANEL	1
71471513	CALYPSO 3 DRUM PANEL	1
7147306	HEXAGON TREEHOUSE ROOF	1
714782	CRUNCH STATION	1
714787	TOT ROCK CLIMBER (3' DECK)	1
714796P1	BELL (POST MOUNT)	1
7148135	DECK ENCL FOR OVERHEAD CLIMBERS (ONLY)	2
71485139	SQUARE TRANSFER POINT W/CLOSED HR (3' DECK)	1
714875	BUBBLE PANEL	1
714900	WALL ENCLOSURE W/STEERING WHEEL	1
714900P1	STEERING WHEEL (POST MOUNT)	1
714910	4' SKI SLIDE (2' DECK)	1
714920595	12' RAMP GRND TO DECK 1:12, W/OUT PST, OPN HR	1
714920E	ADA RAMP EXTENSION INCLINED (LARGE)	1
71492159	12' RAMP DECK TO DECK 1:12, OPEN HNDRL	1
7149219	12' RAMP DECK TO DECK 1:12	1
7149831	MARBLE RACE PANEL	1
71499226	COMMAND POST W/WHEEL	1
787Z	RISK MANAGEMENT SIGN - ENGLISH (NO PRICE)	1
714999Z	CUSTOMER SERVICE KIT (NO PRICE)	1

Equipment Price: \$29,906.80

ENGINEERED WOOD FIBER

175CY ENGINEERED WOOD FIBER SAFETY SURFACING

\$ 3,000.00

Continued to next page...

INSTALLATION

INSTALL

INSTALLATION SERVICES INCLUDE:

- DEMOLITION, REMOVE, LOAD AND HAUL OFF EXISTING PLAY STRUCTURE AND CONCRETE FOOTINGS
- LOAD AND HAUL OFF SITE EXISTING ENGINEERED WOOD FIBER
- EXCAVATE APPROXIMATELY 58' X 54' 12" DEPTH
SEPARATE TOPSOIL FROM SUBSOIL WHERE POSSIBLE
USE EXCAVATED MATERIAL AS FILL MATERIAL
- LEVEL SOIL, ROUGH GRADE IN PREPARATION FOR RESTORATION WORK
- INSTALL EQUIPMENT SHOWN IN MMW200114A PER MANUFACTURER SPECIFICATIONS
- ACCEPT DELIVERY OF EQUIPMENT SHOWN IN MMW200114A, UNLOAD AND STORE ON JOB SITE
- SUPPLY AND INSTALL SINGLE LAYER GEOTEXTILE FABRIC
- INSTALL ENGINEERED WOOD FIBER SAFETY SURFACING
- TURF RESTORATION
- INSTALL CONCRETE MOW STRIP AS SPECIFIED 12" X 6"
- RELOCATE SWINGS

Install Price: \$37,847.50

Totals:

SubTotal: \$70,754.30

Estimated Sales Tax 6%: \$ 4,245.26

Grand Total: \$74,999.56

**NO ORDERS WILL BE PLACED WITHOUT A SIGNED QUOTATION AND/OR PURCHASE ORDER.
ORDERS OVER \$5,000 WILL REQUIRE A SIGNED PURCHASE ORDER BEFORE THEY WILL BE PLACED.**

PLEASE NOTE THE FOLLOWING:

- ✓ Sales tax on this quote is only an estimate. Final sales tax will be added to your invoice if a current state sales tax exemption certificate is not on file in our office.
- ✓ A Miracle Credit Application may be required and must be completed and returned before your order is placed. If credit is not issued, Cash in Advance is required with order.
- ✓ **ORDERS OVER \$10,000.00 MAY REQUIRE 50% DEPOSIT BEFORE ORDER IS RELEASED.**
- ✓ **See top of quote for terms.**
- ✓ This quote is to supply the equipment listed above only. Any other contractual requirements/needs are the responsibility of the contractor.
- ✓ PLEASE provide 4-5 sturdy adults or appropriate unloading equipment to unload your equipment
- ✓ Due to fluctuating fuel and steel prices, quotes are valid for only 30 days. After 30 days, cost is only an estimate and actual charges may differ.
- ✓ Price was quoted site unseen, it assumes the site is reasonably flat
- ✓ Please add Sales Tax, if appropriate, or fax a copy of your Tax Exempt Certificate with Order
- ✓ THIS QUOTE **DOES NOT** INCLUDE:
 - ✓ Equipment, Services, Materials not specifically noted above
 - ✓ Removal of soils/excess excavated materials from site
 - ✓ Drainage materials/Installation of drainage materials
 - ✓ Dewatering/excess water removal from footings, excavations, or any other installation processes where excess water may be present
 - ✓ Accessible route to new play area
 - ✓ Any permits, if required
 - ✓ Repair of any utilities/irrigation system not marked by Miss Dig or owner
 - ✓ Testing of soil conditions
 - ✓ Prevailing Wage or union/labor wages
 - ✓ Bid/Performance/Labor/Material Bonds

Continued to next page...

NOTE: YOUR PLAYGROUND IS NOT ADA COMPLIANT UNLESS YOU HAVE ADA COMPLIANT SAFETY SURFACING. SAFETY SURFACING IS REQUIRED UNDER AND AROUND ALL PLAYGROUND EQUIPMENT.

INSTALLATION PRICES ASSUME NORMAL SOIL CONDITIONS AND DO NOT INCLUDE ROCK EXCAVATION, TREE TRUNK EXCAVATION, ASPHALT OR CONCRETE REMOVAL. IF ANY SUCH MATERIAL IS DISCOVERED AT A PROJECT SITE, A REMOVAL FEE WILL BE ADDED TO THE PROJECT COST.

MMW Backcharge Policy:

Miracle Midwest (MMW) and its represented equipment manufacturers will not be responsible for any back charges without prior written authorization based on a submitted written quotation for any work the contractor /customer deems necessary, including but not limited to alterations, removals, repair, painting and /or reinstallation of any product purchased through Miracle Midwest for any of its manufacturers/suppliers.

Any individual/contractor/company proceeding without written approval by MMW and or the manufacturer will assume all financial responsibility for incurred expenses & liability for any changes to the product & the project.

I hereby authorize Miracle Midwest to ship the equipment listed above for which I agree to pay the total amount specified. I will be responsible for receiving all merchandise from the truck. I agree with the Payment terms listed above. Non-taxable customers will provide proper tax exemption certificate.

THIS QUOTE IS LIMITED TO AND GOVERNED BY THE TERMS CONTAINED HEREIN. *Miracle objects to any other terms proposed by Customer, in writing or otherwise, as material alterations, and all such proposed terms shall be void. Customer authorizes Miracle to ship the Equipment and agrees to pay Miracle the total amount specified. Shipping terms are FOB the place of shipment via common carrier designated by Miracle. Payment terms are Net-30 days from invoice date with approved credit and all charges are due and payable in full at Miracle Recreation Equipment, PO Box 734154, Dallas, TX 75373-4154, unless notified otherwise by Miracle in writing. Customer agrees to pay all additional service charges for past due invoices. Customer must provide proper tax exemption certificates to Miracle, and shall promptly pay and discharge all otherwise applicable taxes, license fees, levies and other impositions on the Equipment at its own expense. Purchase orders and payments should be made to the order of Miracle Recreation Equipment Company.*

To confirm this order, please sign, complete all information below and fax to us at 517-349-1911 OR email to info@miraclemidwest.com

Signature _____

Date _____

P.O. to Miracle Recreation Equipment Co.
878 Hwy 60, Monett, MO 65708
(Required for orders over \$5,000)

Print this address on your PO, send quote/P.O. to fax number/email listed above.

PLEASE PROVIDE (NECESSARY FOR ORDER TO BE PLACED):

SHIP TO ADDRESS:

INVOICE TO ADDRESS:

END USER ADDRESS:

DELIVERY

INVOICING

END USER

CONTACT: _____

CONTACT: _____

CONTACT: _____

PHONE #: _____

PHONE #: _____

PHONE #: _____

E-MAIL: _____

E-MAIL: _____

E-MAIL: _____

PLEASE RETURN ALL PAGES OF THIS QUOTE UPON ORDERING

This Quote shall not become a binding contract until signed and delivered by both Customer and Miracle Recreation Equipment Company ("Miracle"). Sales Representative is not authorized to sign this Quote on behalf of Miracle or Customer, and signed Quotes cannot be accepted from Sales Representative. Upon acceptance, Miracle will return a fully-signed copy of the Quote to Customer (with copy to Sales Representative) via fax or email.

THIS QUOTE IS LIMITED TO AND GOVERNED BY THE TERMS CONTAINED HEREIN. Miracle objects to any other terms proposed by Customer, in writing or otherwise, as material alterations, and all such proposed terms shall be void. Customer authorizes Miracle to ship the Equipment and agrees to pay Miracle the total amount specified. Shipping terms are FOB the place of shipment via common carrier designated by Miracle. Payment terms are Net-30 days from invoice date with approved credit and all charges are due and payable in full at PO Box 734154, Dallas, TX 75373-4154, unless notified otherwise by Miracle in writing. Customer agrees to pay all additional service charges for past due invoices. Customer must provide proper tax exemption certificates to Miracle, and shall promptly pay and discharge all otherwise applicable taxes, license fees, levies and other impositions on the Equipment at its own expense. Purchase orders and payments should be made to the order of Miracle Recreation Equipment Company.

CUSTOMER HEREBY SUBMITS ITS OFFER TO PURCHASE THE EQUIPMENT ACCORDING TO THE TERMS STATED IN THIS QUOTE AND SUBJECT TO FINAL APPROVAL BY MIRACLE.

Submitted By	Printed Name and Title	Date
THE FOREGOING QUOTE AND OFFER ARE HEREBY APPROVED AND ACCEPTED BY MIRACLE RECREATION EQUIPMENT		
By:	Date:	

ADDITIONAL TERMS & CONDITIONS OF SALE

1. Use & Maintenance. Customer agrees to regularly inspect and maintain the Equipment, and to provide, inspect and maintain appropriate safety surfacing under and around the Equipment, in accordance with Miracle's product literature and the most current Consumer Product Safety Commission Handbook for Public Playground Safety.
2. Default, Remedies & Delinquency Charges. Customer's failure to pay any invoice when due, or its failure to otherwise comply with the terms of this Quote, shall constitute a default under all unsatisfied invoices ("Event of Default"). Upon an Event of Default, Miracle shall have all remedies available to it at law or equity, including, without limitation, all remedies afforded a secured creditor under the Uniform Commercial Code. Customer agrees to assist and cooperate with Miracle to accomplish its filing and enforcement of mechanic's or other liens with respect to the Equipment or its location or its repossession of the Equipment, and Customer expressly waives all rights to possess the Equipment after an Event of Default. All remedies are cumulative and not alternative, and no exercise by Miracle of a remedy will prohibit or waive the exercise of any other remedy. Customer shall pay all reasonable attorneys fees plus any costs of collection incurred by Miracle in enforcing its rights hereunder. Subject to any limitations under law, Customer shall pay to Miracle as liquidated damages, and not as a penalty, an amount equal to 1.5% per month of any payment that is delinquent in such month and is not received by Miracle within ten (10) days after the date on which due.
3. Limitation of Warranty/ Indemnity. MIRACLE MAKES NO EQUIPMENT WARRANTIES EXCEPT FOR THOSE STANDARD WARRANTIES ISSUED WITH THE EQUIPMENT, WHICH ARE INCORPORATED HEREIN BY THIS REFERENCE. MIRACLE SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. CUSTOMER AGREES TO DEFEND, INDEMNIFY AND SAVE MIRACLE HARMLESS FROM ALL CLAIMS OF ANY KIND FOR DAMAGES OF ANY KIND ARISING OUT OF CUSTOMERS ALTERATION OF THE EQUIPMENT, ITS FAILURE TO MAINTAIN THE EQUIPMENT, ITS FAILURE TO PROPERLY SUPERVISE EQUIPMENT USE, OR ITS FAILURE TO PROVIDE AND MAINTAIN APPROPRIATE TYPES AND DEPTHS OF SAFETY SURFACING BENEATH AND AROUND THE EQUIPMENT IN ACCORDANCE WITH MIRACLES INSTALLATION AND OWNERS MANUALS AND THE MOST CURRENT CONSUMER PRODUCT SAFETY COMMISSION HANDBOOK FOR PUBLIC PLAYGROUND SAFETY.
4. Restrictions. Until all amounts due hereunder are paid in full, Customer shall not: (i) permit the Equipment to be levied upon or attached under any legal process; (ii) transfer title to the Equipment or any of Customer's rights therein; or (iii) remove or permit the removal of the Equipment to any location not specified in this Quote.
5. Purchase Money Security Interest. Customer hereby grants, pledges and assigns to Miracle, and Miracle hereby reserves a purchase money security interest in, the Equipment in order to secure the payment and performance in full of all of Customer's obligations hereunder. Customer agrees that Miracle may file one or more financing statements, in order to allow it to perfect, acquire and maintain a superior security interest in the Equipment.
6. Choice of Law and Jurisdiction. All agreements between Customer and Miracle shall be interpreted, and the parties' obligations shall be governed, by the laws of the State of Missouri without reference to its choice of law provisions. Customer hereby consents to the personal jurisdiction of the state and federal courts located in the city and county of St. Louis, Missouri.
7. Title; Risk of Loss; Insurance. Miracle Retains full title to all Equipment until full payment is received by Miracle. Customer assumes all risk of loss or destruction of or damage to the Equipment by reason of theft, fire, water, or any other cause, and the occurrence of any such casualty shall not relieve the Customer from its obligations hereunder and under any invoices. Until all amounts due hereunder are paid in full, Customer shall insure the Equipment against all such losses and casualties.
8. Waiver; Invalidity. Miracle may waive a default hereunder, or under any invoice or other agreement between Customer and Miracle, or cure such a default at Customer's expense, but shall have no obligation to do either. No waiver shall be deemed to have taken place unless it is in writing, signed by Miracle. Any one waiver shall not constitute a waiver of other defaults or the same kind of default at another time, or a forfeiture of any rights provided to Miracle hereunder or under any invoice. The invalidity of any portion of this Quote shall not affect the force and effect of the remaining valid portions hereof.
9. Entire Agreement; Amendment; Binding Nature. This fully-executed Quote, as supplemented by Change Orders and invoices containing exact amounts of estimates provided herein, constitutes the complete and exclusive agreement between the parties. A Change Order is a written instrument signed by the Customer and Miracle stating their agreement as to any amendment in the terms of this Quote. Customer acknowledges that Change Orders may result in delays and additional costs. The parties agree that all Change Orders shall include appropriate adjustments in price and time frames relating to any requested amendments. Upon full execution, this Quote shall be binding upon and inure to the benefit of the parties and their successors and assigns.
10. Counterparts; Electronic Transmission. This Quote, any invoice, and any other agreement between the parties, may be executed in counterparts, each of which shall constitute an original. The facsimile or other electronic transmission of any signed original document and retransmission of any signed facsimile or other electronic transmission shall be the same as the transmission of an original. At the request of either party, the parties will confirm facsimile or other electronically transmitted signatures by signing an original document.

Please return all pages of this quote upon ordering.

Thank You!



Rev E 021815



RFP Candy Cane Playground - Option #2 - View 1
City of Ypsilanti, MI
MMW200114A





RFP Candy Cane Playground - Option #2 - View 2
City of Ypsilanti, MI
MMW200114A





RFP Candy Cane Playground - Option #2 - View 3
City of Ypsilanti, MI
MMW200114A





RFP Candy Cane Playground - Option #2 - View 4
City of Ypsilanti, MI
MMW200114A



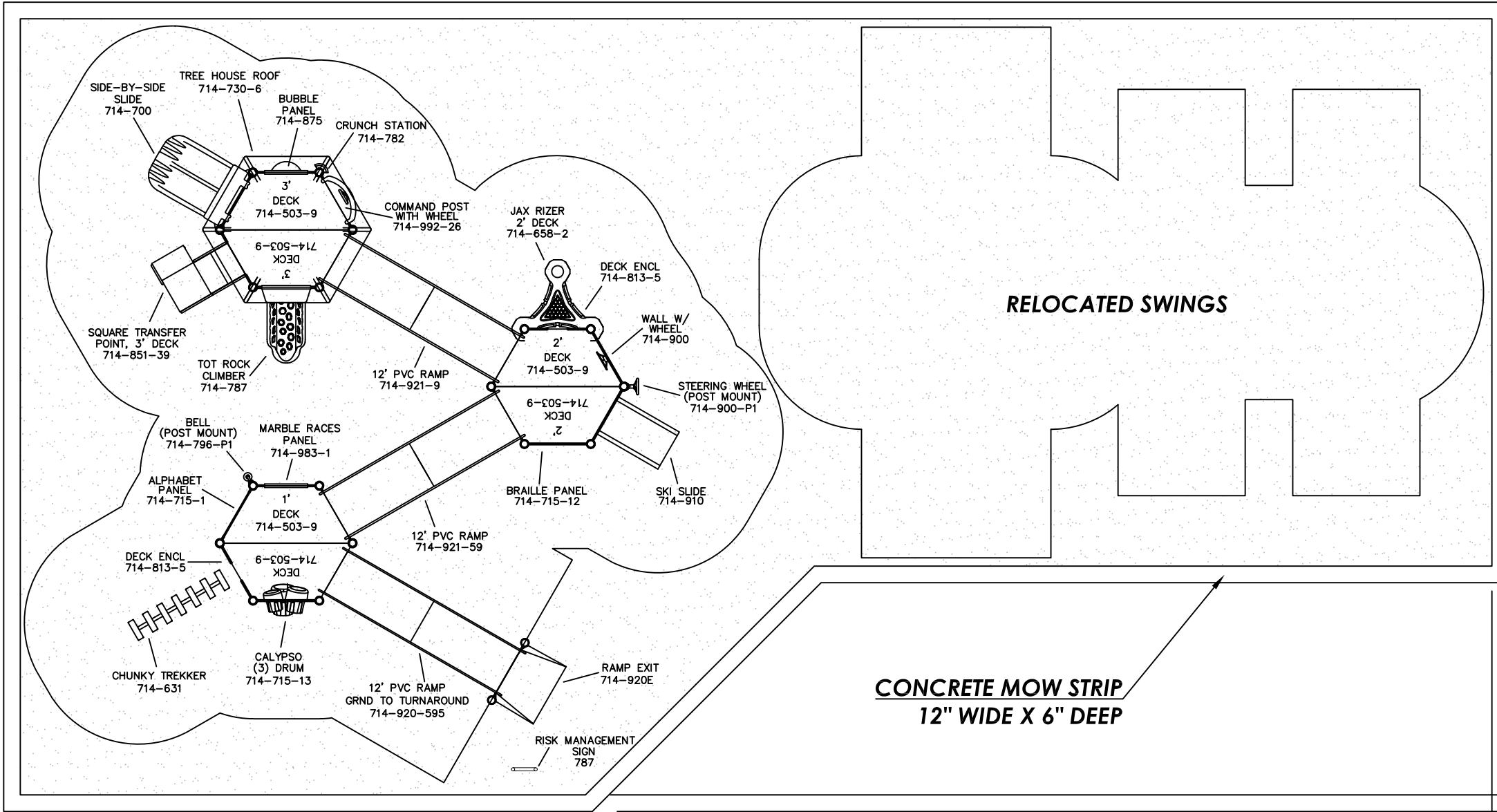
AREA: 3,500 SQ.FT.
PERIMETER: 263'
The information provided is for
estimation purposes only.

Play Area Capacity: 95 - 105

RFP CANDY CANE PLAYGROUND - OPTION #2
CITY OF YPSILANTI, MI

2-12 PLAY AREA

ELEVATED PLAY ACTIVITIES - TOTAL	12	
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER	12	REQ'D 0
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP	12	REQ'D 6
GROUND LEVEL ACTIVITY TYPE	3	REQ'D 0
GROUND LEVEL ACTIVITY QUANTITY	3	REQ'D 0



46'-10" 48'-10"

88'-9"

90'-9"

CONCRETE MOW STRIP
12" WIDE X 6" DEEP



To verify product certification,
visit www.ipema.org

To promote safe and proper equipment use by children, Miracle recommends the installation of either a Miracle safety sign or other appropriate safety signage near each playsystem's main entry point(s) to inform parents and supervisors of the age appropriateness of the playsystem and general rules for safe play.



THE PLAY COMPONENTS IDENTIFIED IN THIS PLAN ARE IPEMA
CERTIFIED. THE USE AND LAYOUT OF THESE COMPONENTS
CONFORM TO THE REQUIREMENTS OF ASTM F1487.

AN ENERGY ABSORBING PROTECTIVE SURFACE IS REQUIRED
UNDER & AROUND ALL PLAY SYSTEMS.

MMW200114A-1A-1

GROUND SPACE:
PROTECTIVE AREA:

N/A
NOTED

✓	COMPLIES TO CPSC
✓	COMPLIES TO ASTM
✓	COMPLIES TO ADA

DESIGNED FOR
AGES
2-12

ADDITIONAL GROUND LEVEL
ACCESSIBLE ITEMS NEEDED
FOR ADA COMPLIANCE

TYPE:
0

QUANTITY:
0

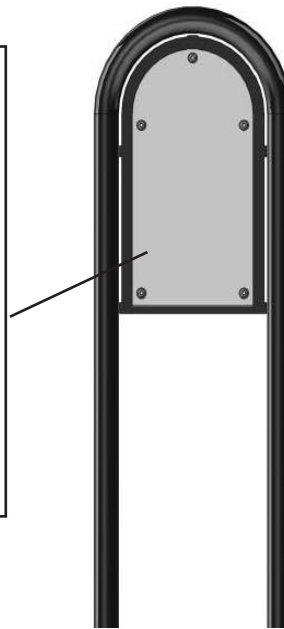
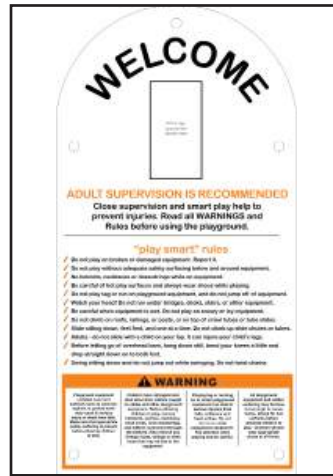
DATE: 3/6/2020

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

BDS



Risk Management Sign



Note: English version shown.

MODEL	PRODUCT	GROUND SPACE	CONCRETE
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.
787SP	Risk Management Sign - Spanish	1'-6" x 3'-6"	0.09 cu. yd.

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.
Extension Tube:	2.375 12GA GLV-IL X 24' tube round.
Hardware:	Stainless steel that requires tooling to install or remove.
Finish:	The frame shall have a <u>Mira-Cote</u> finish.

Kids' Choice® - Mira-Therm II

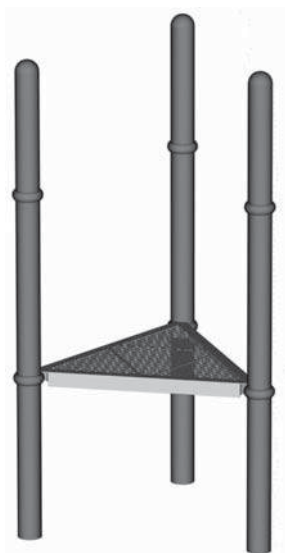
Decks

Deck Posts not included in these assemblies.

714-501-9

Triangle Deck

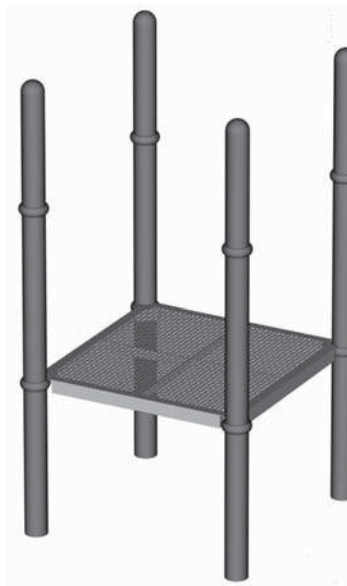
Model # 714-501-9 requires three (3) Posts.



714-502-9

Square Deck

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



714-503-9

Half Hex Deck (Full)

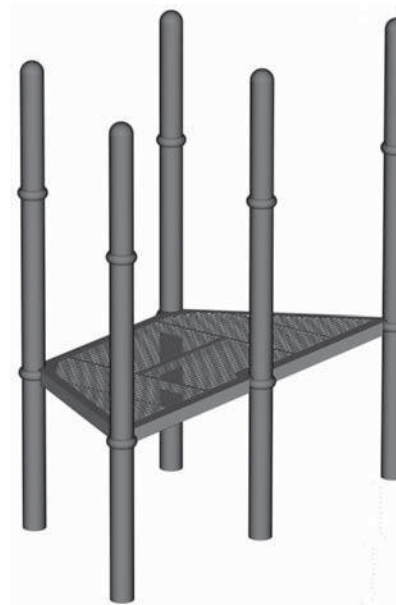
Model # 714-503-9 requires four (4) Posts.



714-504-9

Half Hex Deck

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



Kids' Choice® - Mira-Therm II Decks

714-508-9

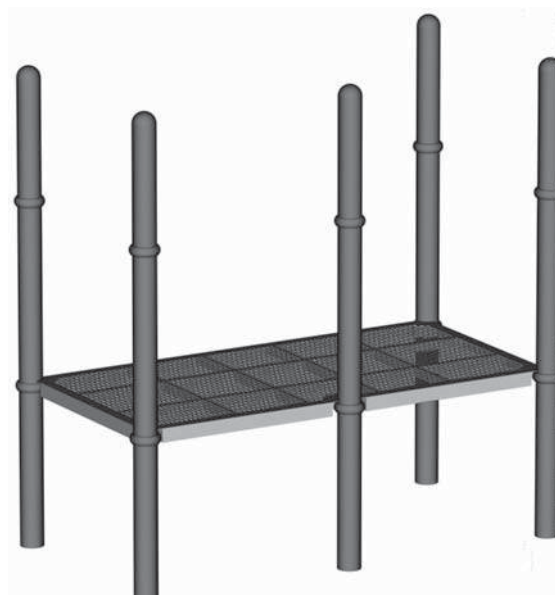
Rectangle Deck (Full)

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.

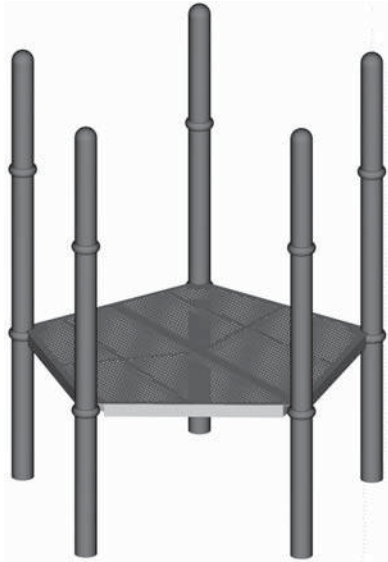


Kids' Choice® - Mira-Therm II Decks

714-512-9

Pentagon Deck

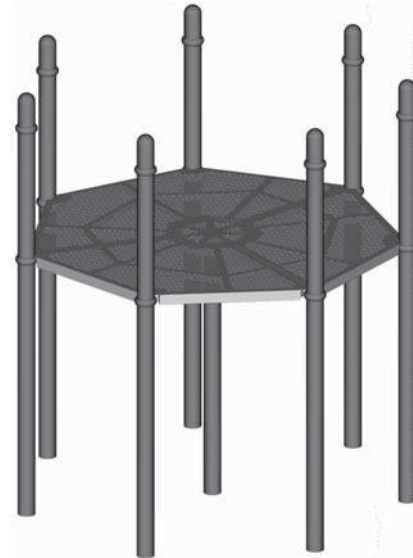
Model # 714-512-9 requires five (5) Posts.



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

MODEL #	PRODUCT	POSTS REQ'D	DECK SURFACE	CONCRETE
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.



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.

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

714-545-3, 714-545-5, 714-545-6, 714-545-8, 714-545-10, 714-549-1, 714-549-3, 714-549-4, 714-549-10, 714-550-3, 714-550-5, 714-550-6, 714-550-8, 714-551, 714-551-2, 714-552, 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**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 Flippo Roof)	6'-6" Deck	985260*
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*

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	995230*
714-549-42	124" Deck Post	4' Decks	995231*
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, 714-552-2, 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

May 3, 2005

Rev. E

Kids' Choice®

Fence Posts, 4' & 8' Fence Sections, Archway for Fence

714-555, 714-555-2* & 714-555-3* and 714-577-4 714-577-8 & 714-578

Fence Post, Steel, 5" OD x 76"

4' Fence Section, Straight

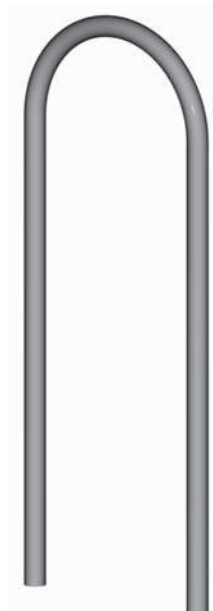
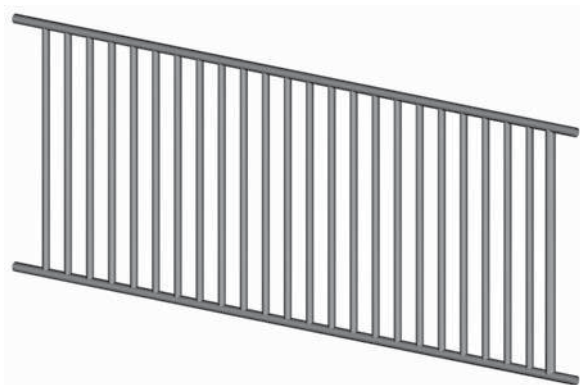
* Model # 714-555-2 Fence Post, Aluminum, 5" OD x 76" and
Model # 714-555-3 Fence Post, Steel, 5" OD x 76" not shown.
Appearances are identical but material specifications differ.



714-555, 714-555-2* & 714-555-3* and 714-577-4 714-577-8 & 714-578

8' Fence Section, Straight

Archway for Fence, 5" OD



Fence System

714-555, 714-555-2, 714-555-3, 714-577-4, 714-577-8, 714-578

Kids' Choice®

Fence Posts, 4' & 8' Fence Sections, Archway for Fence

<u>MODEL #</u>	<u>PRODUCT</u>	<u>CONCRETE REQ'D</u>
714-555	5" OD x 76" Fence Post, Steel	0.13 cu. yds.
714-555-2	5" OD x 76" Fence Post, Aluminum	0.13 cu. yds.
714-555-3	5" OD x 76" Fence Post, Steel	0.13 cu. yds.
714-577-4	4' Fence Section	N/A
714-577-8	8' Fence Section	N/A
714-578	Archway for Fence	0.26 cu. yds.

DESCRIPTION

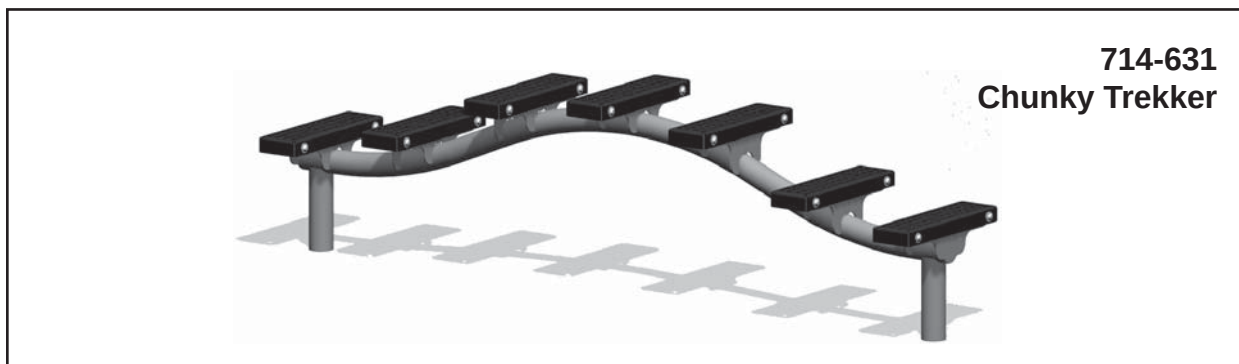
These models comprise a fence system with virtually limitless configuration possibilities. This fence system is not playground equipment, therefore protective surfacing to 6' from perimeter is not required. However, this does not permit exclusion of protective surfacing when required by playground equipment which intersects fence area, e.g. if a fence were to connect to a deck system, required protective surfacing of deck components would "overrule" fence's lack of a requirement for surfacing.

MATERIALS

- Fence Sections: The fence sections shall consist of a welded assembly handrail system with a top and bottom rail constructed of 1" pipe, and infill consisting of uprights constructed of 1" tube. The fence section shall measure 36-5/16" high and 4' or 8' long.
- Archway: The archway shall be a single piece, "U"-shaped component constructed of 5" tube, measuring 4' from leg center to leg center and 132" from leg end to inside apex height.
- Steel Posts: Model # 714-555 shall be constructed of 5" tube, 11 ga. with a 5" round end cap pressed into its top end. Model # 714-555-3 shall be constructed of 5" tube with a 5" round end cap pressed into its top end.
- Aluminum Posts: Model # 714-555-2 shall be constructed of 5" aluminum tube with a 5" round end cap pressed into its top end.
- Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.
- Finishes: The fence sections, posts, archway, 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.

Kids' Choice®
Chunky Trekker



714-631
Chunky Trekker

<u>MODEL</u>	<u>PRODUCT</u>	<u>GRND SPACE</u>	<u>PROT. AREA</u>	<u>CONCRETE</u>
714-631	Chunky Trekker	6'-4 1/4" x 1'-3"	19' x 14'	0.09 cu. yds.

DESCRIPTION

The Chunky Trekker is a simple yet versatile climbing component that can be used Deck-to-Deck, ground-to-Deck, freestanding, ground-to-Nexus or Nexus-to-Nexus.

MATERIALS

Chunky Trekker: The Chunky Trekker shall comprise a rail constructed of 2-3/8" tube, two 5" x 2-3/8" sleeves constructed of 2" pipe, and foot step brackets constructed of 7 ga sheet, all solid welded. Rail shall measure 75-1/2" in length. Brackets shall be graduated in height from 3-1/2", 4-1/8", 4-1/2" and 4-3/4". All brackets shall be 12-7/8" in length.

Legs: Legs shall have one swaged end, measure 54-3/16" in length and be constructed of 2" pipe.

Foot Step Covers: Foot step covers shall be constructed of 11 ga. sheet perforated with a staggered pattern of .375" diameter holes at 5/8" apart center to center. Steps shall be 15" in length.

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

Finishes: The Chunky Trekker weldment and legs shall have a Mira-Cote finish. Foot step covers shall have a Mira-Therm finish.

Chunky Trekker

714-631



MIRACLE
RECREATION EQUIPMENT COMPANY

Product Specifications

November 16, 2012

Rev. A

Physics™

JAX® Rizer to 1'-6" & 2' Decks



714-658-2
JAX Rizer to 1'-6" & 2' Decks
(1'-6" Deck shown below.)

<u>MODEL #</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>PROTECTIVE AREA</u>	<u>CONCRETE</u>
714-658-2	JAX Rizer 1'-6" & 2' Decks	4' x 4'-10"	17'-6" x 18'	0.13 cu. yds.

DESCRIPTION

JAX Rizer to 1'-6" & 2' Deck features 1 "jacks" shaped, rotomolded piece attached to Deck Posts, creating a challenging climber.

MATERIALS

JAX Body:	JAX body shall be a rotomolded piece measuring 63" in greatest width and 18" in greatest height. One solid piece, JAX shall feature a triangular body that flows into 3 spheres, each 18" in diameter. Each sphere shall have a notched center hole 6 3/4" in diameter through the entirety of the sphere.
Support Assy:	Support assembly shall comprise support straps, support strap braces, a cover plate and a cam lock spacer. Support straps shall be constructed of 1/4" x 1" flat and measure 14-3/16" in height. Support strap braces shall be constructed of 1/4" x 1" flat and shall measure 3" in height. Cover plate shall be constructed of 11 ga. sheet, A-60 with a 5" ID and 7 3/4" OD. Spacer shall be 1/2" in diameter and 5/16" tall, constructed of AISI 1020 CR steel, zinc plated. Entire assembly shall be solid <u>welded</u> .
Cam Lock Assy:	Cam lock assembly without center hole shall comprise cam lock plates and cover plate. Cam lock plate shall be constructed of 11 ga. A-60 sheet and shall have a 4-13/16" by 9/16" serrated cut-out for locking purposes. Cover plate shall be constructed of 11 ga. A-60 sheet. Cover plate shall have an 8" OD with two interior 5/8" notches. Entire assembly shall be <u>welded</u> and shall measure 2-1/2" in height with a 8" diameter.
Fasteners:	All fastening hardware shall be <u>Fastener Style A</u> .
Finishes:	Support assembly, cover plates and cam lock assembly shall be finished in <u>Mira-Cote</u> . JAX body shall be finished in <u>Rockite</u> .

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

JAX Rizer to 1'-6" & 2' Decks

714-658-2

Kids' Choice®

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

714-700

Slide 5' Side-by-Side w/Canopy 3' Deck



714-728-4

Slide Bump & Glide One Piece 4' Deck



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.

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

714-700, 714-728-4, 714-728-5, 714-736

Kids' Choice®

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

<u>MODEL</u>	<u>PRODUCT</u>	<u>GRND SPACE</u>	<u>PROT. AREA</u>	<u>CONCRETE</u>
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.
714-700 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.
714-728-4 & 714-728-5 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.
714-736 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.

Kids' Choice®

Imagination Panels & Activity Panels

Models included:

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
714-617	Space Ship Panel	2
714-714-1	Park Ranger Panel	2
714-714-2	Fire Truck Panel	2
714-714-3	Police Panel	2
714-714-4	Train Panel	2
714-714-5	Taxi Panel	2
714-714-6	Pilot Panel with Window	2
714-714-7	Pilot Panel	2
714-714-8	Race Car Panel	2
714-715-1	Alphabet Panel	2
714-715-2	Finger Maze Panel	2
714-715-3	Jump Panel (3' Deck)	2
714-715-4	Calculator Panel	2
714-715-5	Jump Panel (5' Deck)	2
714-715-10	Sign Language Panel	2
714-715-11	Spanish Panel	2
714-715-12	Braille Panel	3
714-715-13	Calypso 3-Drum Panel	3
714-715-15	Chinese Panel	3
714-715-20	Activity Panel Frame	3
714-732	Welcome Panel (5-12)	3
714-732-1	Welcome Panel (2-5)	3
714-732-2	Welcome Panel (2-12)	3
714-761-2	Piston Panel	3
714-761-3	Gear Panel	3
714-761-4	Sliding Tile Panel	3
714-895-1	Barn Wall Panel	3
714-895-3	Barn Window Panel	3

Note: Deck systems are NOT included in these assemblies. Please refer to Construction Drawings for the model particular to your system.

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

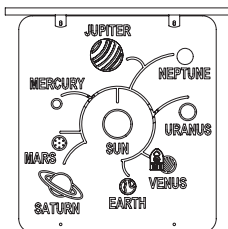
Imagination Panels & Activity Panels

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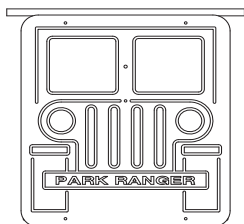
Kids' Choice®

Imagination Panels & Activity Panels

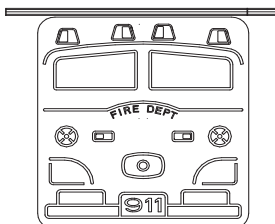
714-617:
Space Ship Panel



714-714-1:
Park Ranger Panel



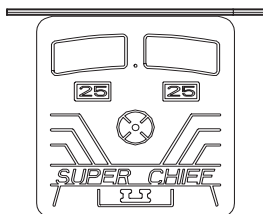
714-714-2:
Fire Truck Panel



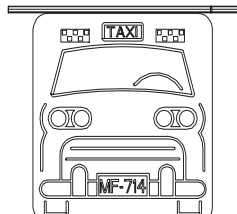
714-714-3:
Police Panel



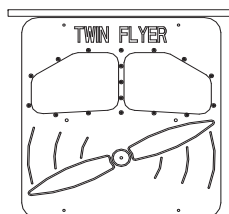
714-714-4:
Train Panel



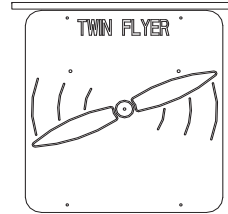
714-714-5:
Taxi Panel



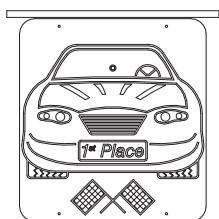
714-714-6:
**Pilot Panel w/
Window**



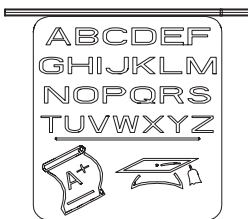
714-714-7:
Pilot Panel



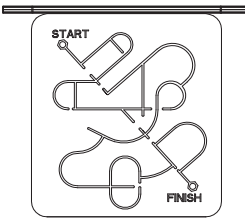
714-714-8:
Race Car Panel



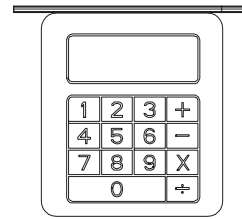
714-715-1:
Alphabet Panel



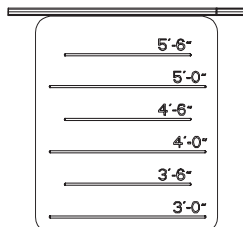
714-715-2:
Finger Maze Panel



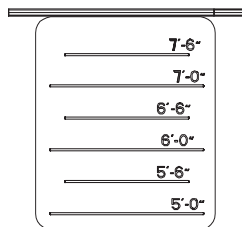
714-715-4:
Calculator Panel



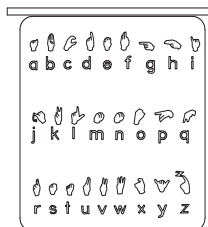
714-715-3:
**Jump Panel
(3' Deck)**



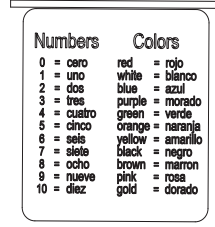
714-715-5:
**Jump Panel
(5' Deck)**



714-715-10:
**Sign Language
Panel**



714-715-11:
Spanish Panel



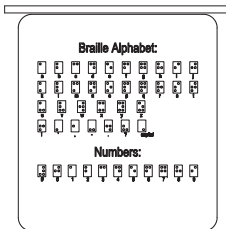
Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

714-617, 714-714-1, 714-714-2, 714-714-3, 714-714-4, 714-714-5, 714-714-6, 714-714-7, 714-714-8, 714-715-1, 714-715-2, 714-715-3, 714-715-4, 714-715-5, 714-715-10, 714-715-11, 714-715-12, 714-715-13, 714-715-15, 714-715-20, 714-732, 714-732-1, 714-732-2, 714-761-2, 714-761-3, 714-761-4, 714-895-1, 714-895-3

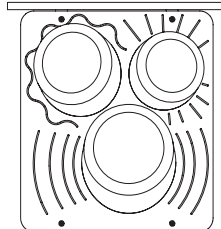
Kids' Choice®

Imagination Panels & Activity Panels

**714-715-12:
Braille Panel**



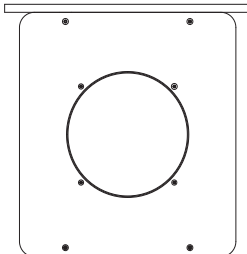
**714-715-13:
Calypso 3-Drum Panel**



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



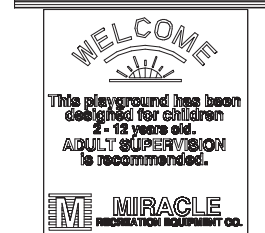
**714-715-20:
Activity Panel Frame**



**714-732-1:
Welcome Panel (2-5)**



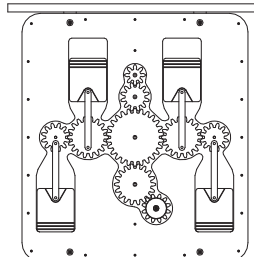
**714-732-2:
Welcome Panel (2-12)**



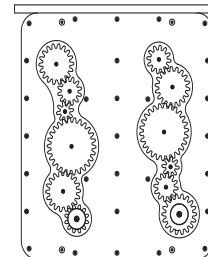
**714-732:
Welcome Panel (5-12)**



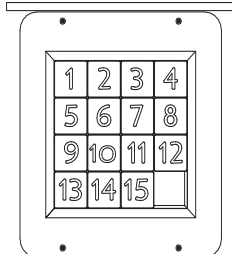
**714-761-2:
Piston Panel**



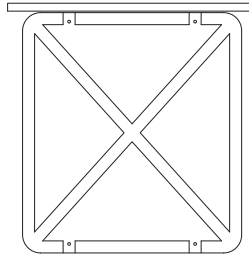
**714-761-3:
Gear Panel**



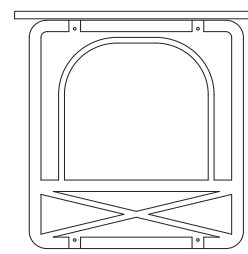
**714-761-4:
Sliding Tile Panel**



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



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



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

Imagination Panels & Activity Panels

714-617, 714-714-1, 714-714-2, 714-714-3, 714-714-4, 714-714-5, 714-714-6, 714-714-7, 714-714-8, 714-715-1, 714-715-2, 714-715-3, 714-715-4, 714-715-5, 714-715-10, 714-715-11, 714-715-12, 714-715-13, 714-715-15, 714-715-20, 714-732, 714-732-1, 714-732-2, 714-761-2, 714-761-3, 714-761-4, 714-895-1, 714-895-3

Kids' Choice®

Imagination Panels & Activity Panels

DESCRIPTION

These deck-mounting representational activity panels are designed to enhance imagination and creative play.

- Welcome panels are decorative and display the intended user age range.
- Vehicle-themed panels feature steering wheel assemblies.
- The Piston Panel, Gear Panel, Hypnotize Insert, Funyhouse Insert, Very Buried Insert, A-maze-ing Insert and Four-the-Win Insert, contain dynamic, user-driven parts sealed behind a transparent, tamper-resistant cover.
- The Sliding Tile Panel and Slide & Solve Insert, contains 15 routed, moveable tiles with one empty space challenging users to shift the tiles into proper sequence.
- The Calypso 3-Drum Panel and Magical Music Insert allows musical expression, that may be struck with the hands to create different sounds.

MATERIALS

Panels:	The panels shall be constructed of <u>Mira-Lene</u> with all corners rounded. Panels shall measure 36-1/2" x 40".
Pilot Panel w/ Window: Model 714-714-6 only	In addition to the above materials and specifications, Model 714-714-6 shall feature a clear polycarbonate window mechanically fastened to the panel.
Gear Panel and Piston Panel: Model 714-761-3, 714-761-2 only	In addition to the above materials and specifications, Model 714-761-3 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 black nylon handles and drive gears which shall turn on bronze bushings. Its opposite side shall contain side-by-side routed finger mazes. Model 714-761-2 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 714-761-4 only	In addition to material and specifications detailed in "panels" paragraph above, Model 714-761-4 shall contain 15 moveable, tongue-and-groove tiles with routed numerals constructed of 1/4" thick high-density polyethylene.
Calypso 3-Drum Panel: Model 714-715-13 only	In addition to material and specifications detailed in "panels" paragraph above, Model 714-715-13 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 <u>Mira-Cote</u> finish.
Rung Bracket:	The rung brackets shall be constructed of <u>1" pipe</u> with bolting tabs of 11 ga. <u>A-60 Galvannealed</u> sheet, all solid <u>welded</u> .

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

714-617, 714-714-1, 714-714-2, 714-714-3, 714-714-4, 714-714-5, 714-714-6, 714-714-7, 714-714-8, 714-715-1,
714-715-2, 714-715-3, 714-715-4, 714-715-5, 714-715-10, 714-715-11, 714-715-12, 714-715-13, 714-715-15,
714-715-20, 714-732, 714-732-1, 714-732-2, 714-761-2, 714-761-3, 714-761-4, 714-895-1, 714-895-3

Kids' Choice®

Imagination Panels & Activity Panels

MATERIALS (continued)

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. Models 714-714-6 and 714-714-7 Pilot Panels shall each contain two side-by-side steering wheels for cooperative play.
Star Brackets:	Themed for Space Ship Panel, star brackets will be constructed of 11 ga. HRPO steel and powder coat painted.
Fasteners:	Each assembly shall contain <u>Versalok Fasteners</u> and <u>Fastener Style A</u> hardware.
Finishes:	The panels and steering wheels shall have molded-in color. Each panel assembly shall have a two-color scheme. The rung brackets and clamps shall have a <u>Mira-Cote</u> finish.

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



Product Specifications

December 22, 2005

Rev.E

MIRACLE
RECREATION EQUIPMENT COMPANY

Kids' Choice®

Treehouse Roofs for **Octagon Decks** and **Hexagon Decks**

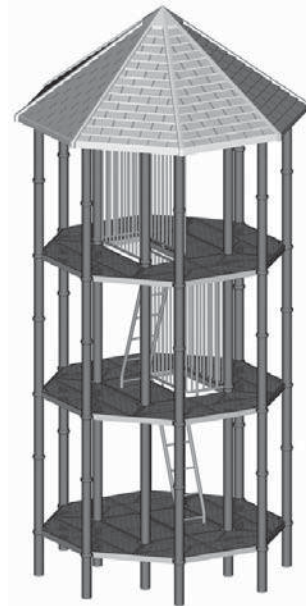
714-730 and **714-730ME**

714-730-6

Treehouse Roof for Octagon Deck



Treehouse Roof with Extensions for Mega Tower® Octagon Deck



714-730 and **714-730ME**

714-730-6

Treehouse Roof for Hexagon Deck



Treehouse Roof for Octagon & Hex Decks

714-730, 714-730ME, 714-730-6



MIRACLE
RECREATION EQUIPMENT COMPANY

Kids' Choice®

Treehouse Roofs for Octagon Decks and Hexagon Decks

December 22, 2005

Rev.E

DESCRIPTION

Model # 714-730 is a roof assembly designed to top 8-sided decks up to 8' in height. Model # 714-730ME is a roof assembly designed to top 8-sided Mega Tower® decks (featuring extended roof mounts). Model # 714-730-6 is a roof assembly designed to top 6-sided decks up to 8' in height.

MATERIALS

Treehouse Roof:

The Treehouse Roof shall be constructed of Rockite. The Octagon Treehouse Roof (Model # 714-730 and # 714-730ME) shall be approximately 146" in diameter (at roof section edge) by 59-7/16" tall at its apex, comprising four sections which shall be field assembled. The Hex Treehouse Roof (Model # 714-730-6) shall be approximately 106" in diameter (at roof section edge) by 46-1/2" tall at its apex, comprising three sections which shall be field assembled. The roof sections shall be bolted together in the field and attached to deck posts by means of roof mount receivers.

Roof Mount Receivers: # 714-730 & # 714-730-6

For Kids' Choice, the roof mount receivers each shall consist of a sleeve constructed of 4-5/8" tube solid welded to a bolting plate constructed 11 ga. sheet. For Tots' Choice Expansion, the roof mount receivers each shall consist of a sleeve constructed of 3-1/4" tube solid welded to a bolting plate constructed 11 ga. sheet.

Extended Roof Mount Receivers: # 714-730ME

The extended roof mount receivers each shall consist of a swaged segment of 5" tube solid welded to a bolting plate constructed of 11 ga. sheet.

Fasteners:

All hardware shall be fastener style A.

Finishes:

The Rockite roof sections shall have color molded in. Roof mount receivers shall have a Mira-Cote finish.

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

Treehouse Roof for Octagon & Hex Decks

714-730, 714-730ME, 714-730-6



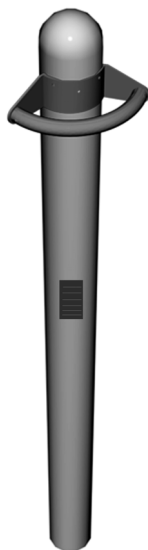
Product Specifications

Oct. 3, 2000 Rev. B

Kids' Choice
Crunch Station

714-782

Crunch Station



Crunch Station

714-782

Kids' Choice Crunch Station

<u>MODEL #</u>	<u>PRODUCT</u>	<u>PROT. AREA</u>	<u>CONCRETE</u>
714-782	Crunch Station	6'-8" radius/post	See Post Spec.

DESCRIPTION:

The Crunch Station is a semi-circular horizontal rung assembly designed for mounting on a 5" steel deck post with the rung set 50" - 80" from finished grade. The Crunch Station enables the user to perform leg lifts and crunches in a standing position.

MATERIALS:

Crunch Station: The Crunch Station shall be constructed of a cut and formed 1" pipe segment solid welded to support and bolt plates of 7 ga. galvanized steel.

Fasteners: All hardware for deck and component attachment shall be Fastener Style A.

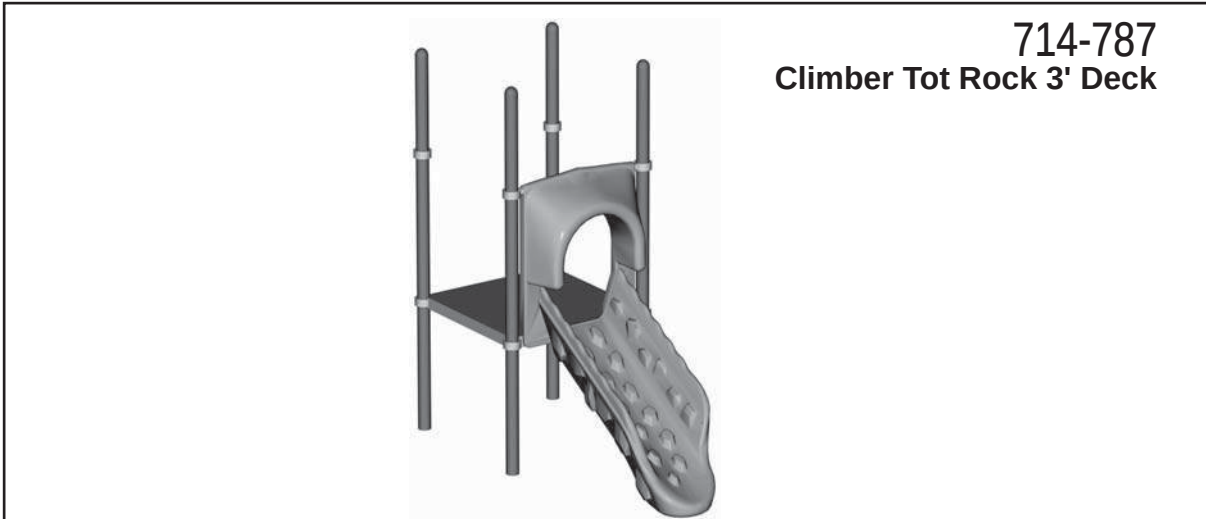
Finish: The Crunch Station shall have a Mira-Cote finish.

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



Kids' Choice

Climber Tot Rock 3' Deck

**714-787****Climber Tot Rock 3' Deck**

<u>MODEL</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>PROTECTIVE AREA</u>	<u>CONCRETE</u>
714-787	Climber Tot Rock 3' Deck	4'-7" x 4'-0"	17'-0" x 16'-0"	0.05 cu. yds.
<u>DESCRIPTION</u> This Climber Tot Rock 3' Deck features a formed "bedway" with protrusions for users to grasp and step upon and a single-user safety canopy. Some rock climber protrusions feature molded-in graphics of various fossil types.				
<u>MATERIALS</u> Rock Climber: The climber shall be constructed of formed and drilled double-wall <u>Rockite</u>, and shall have an overall width of approximately 27-1/2" and an inside width at lowest point of 16". The assembly's top end shall have factory-installed aluminum threaded inserts for field attachment to canopy panel. Canopy: The canopy panel shall be constructed of formed and drilled <u>Rockite</u> with all corners rounded, and shall measure 35-1/2" wide by 44-1/4" tall by 12-1/4" deep (panel alone 2-1/2" deep.) The opening shall measure approximately 24" wide by 31" tall. Leg: The front leg shall be <u>1-1/2" tube</u>, <u>welded</u> to a 7 ga. <u>A-60 Galvannealed</u> mounting bracket. Enclosure: The deck enclosures shall consist of uprights and support bars, to be constructed of <u>1" pipe</u>, drilled, formed, and solid <u>welded</u>. Versalok Clamps: All <u>Versalok Fasteners</u> for deck and component attachment shall be <u>aluminum alloy</u>. Fasteners: The assembly shall contain <u>Fastener Style A</u> hardware. Finishes: The climber and canopy shall have color molded in. The leg, enclosure and clamps shall be finished in <u>Mira-Cote</u>.				

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

Climber Tot Rock 3' Deck

714-787



MIRACLE
RECREATION EQUIPMENT COMPANY

Product Specifications

July 18, 2006

Rev. A

Kids' Choice®
Bell, Post Mount

714-796-P1

Bell, Post Mount



Bell, Post Mount

714-796-P1



MIRACLE
RECREATION EQUIPMENT COMPANY

Kids' Choice®
Bell, Post Mount

Bell, Post Mount

<u>MODEL #</u>	<u>PRODUCT</u>	<u>PROT. AREA</u>	<u>GRND. SPACE</u>	<u>CONCRETE</u>
714-796-P1	Bell, Post Mount	None	1' x 1'	None

DESCRIPTION:

This post mount Bell is designed to add noisy, imaginative play to any pre-existing deck post.

Bell Assembly:

The Bell Assembly shall consist of a Bell, a Bell Support, a 6-link Chain, an eyebolt, and Fastener Style A hardware. The Bell shall be constructed of A-60 Galvannealed. The Bell Support shall be constructed of 1" Pipe, Gator Grip. The Bell Chain shall be constructed of 4/0 straight link coil chain.

Finishes:

The Bell shall have a Mira-Cote finish.

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

714-796-P1

Kids' Choice®

Handhold for Transfer Point, Wall Enclosures, Recycled Plastic Enclosure, Wire Mesh Enclosure, Treehouse Wall and Enclosure Wall w/Steering Wheel

714-811

Handhold for Transfer Deck
(1' or 1'-6" Deck)



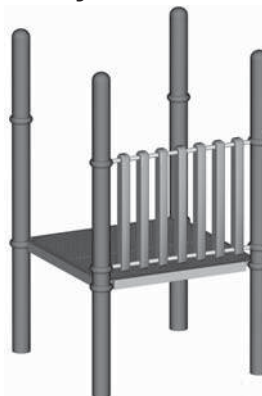
714-816

Wall Enclosure



714-816R

Wall Enclosure
Recycled Plastic



714-816-1

Wire Mesh Enclosure



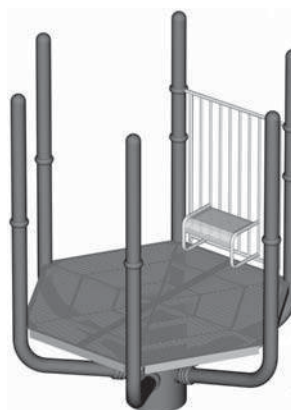
714-816-45

Wall Enclosure, Wide
Side



714-817

Treehouse Wall w/Seat



714-900

Wall Enclosure
w/Steering Wheel



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

Handhold and Wall Enclosures

714-811, 714-816, 714-816R, 714-816-1, 714-816-45, 714-817, 714-900

Kids' Choice®

Handhold for Transfer Deck, Wall Enclosures, Recycled Plastic Enclosure, Wire Mesh Enclosure, Treehouse Wall and Enclosure Wall w/Steering Wheel

<u>MODEL</u>	<u>PRODUCT</u>	<u>PROT. AREA</u>	<u>GRND. SPACE</u>	<u>CONCRETE</u>
714-811	Handhold for Transfer Deck (1' or 1'-6" Deck)	NA	NA	NA
714-816	Wall Enclosure	NA	NA	NA
714-816R	Wall Enclosure Recycled Plastic	NA	NA	NA
714-816-1	Wire Mesh Enclosure	NA	NA	NA
714-816-45	Wall Enclosure, Wide Side of 511 TRI-DK	NA	NA	NA
714-817	Treehouse Wall w/Seat	NA	NA	NA
714-900	Wall Enclosure w/Steering Wheel	NA	NA	NA

DESCRIPTION

Model 714-811 Handhold for Transfer Deck, is a support rail to assist wheelchair users with access to a 12" to 18" transfer point deck.

Model 714-816R Recycled Plastic Enclosure, Model 714-816 Wall Enclosure and Model 714-816-1 Wire Mesh Enclosure, are designed to be a barrier on any open side of a deck.

Model 714-816-45 Wall Enclosure, Wide Side is designed to be a barrier on the hypotenuse of a right triangle (split) deck.

Model 714-817 Treehouse Wall w/Seat is an enclosure with a PVC-dipped steel seat for use on 6-sided and 8-sided decks only.

Model 714-900 Wall Enclosure w/Steering Wheel is designed to be a barrier designed to enhance imaginative play.

MATERIALS

Wall Enclosure, Wire Mesh Enclosure, Handhold for Transfer Point: The wall enclosure and wire mesh enclosure supports shall consist of a solid welded handrail assembly with top, side and bottom rails constructed of 1" pipe and spoked infill of 3/4" x 1" oval tube. Wire mesh shall be 3 ga. resistance welded at each intersection.

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

Recycled Plastic Enclosure: The recycled plastic enclosure shall consist of top and bottom support rails constructed of 1" pipe and uprights constructed of 3-1/2 x 2-1/2" recycled plastic timbers.

Enclosure with 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 surface shall be approximately 14" from the deck surface.

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

Kids' Choice®

Handhold for Transfer Point, Wall Enclosures, Recycled Plastic Enclosure, Wire Mesh Enclosure, Treehouse Wall and Enclosure Wall w/Steering Wheel

MATERIALS cont.

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 are tested in accordance with ASTM testing procedures D-1505, D-1248, D-1693(b), D638, 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 with U.V. light stabilizers.

Fasteners:

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

Finishes:

The wall enclosure assemblies, handhold and clamps shall have a Mira-Cote finish. The seat shall be finished in Mira-Therm. The steering wheel and plastic timbers shall have color molded in.

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

Kids' Choice®

Deck Enclosures

714-813-1

One-Sided Deck Enclosure

Model mounts vertically on Deck system on Post opposite Post to which Horseshoe Climber (Model # 714-776-5) is mounted.



714-813-5

Deck Enclosure

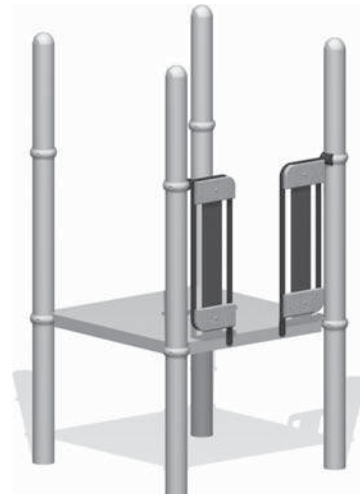
Model mounts vertically on Deck systems at either or both ends of Overhead Climber component



714-813-5R1

Nature Deck Enclosure

Model mounts vertically on Deck systems at either or both ends of Overhead Climber component



<u>MODEL #</u>	<u>PRODUCT</u>	<u>CONCRETE</u>	<u>GROUND SPACE</u>
714-813-1	One-Sided Deck Enclosure	N/A	N/A
714-813-5	Deck Enclosure	N/A	N/A
714-813-5R1	Nature Deck Enclosure	N/A	N/A

DESCRIPTION

The standard deck enclosures are basic accessories for overhead climber systems, typically installed at either end on a deck system or between deck posts, respectively. The one sided deck enclosure is mounted on deck system for use only with Horseshoe Climber, Model # 714-767, which may be mounted to any corner post of a 4' deck.

Kids' Choice®

Deck Enclosures

MATERIALS

Deck Enclosure (Standard):

The deck enclosure shall consist of two pieces, each comprising enclosure rails and uprights. The enclosure rails shall be constructed of 1" pipe, drilled, with plastic pipe plugs inserted in open end (at post) and mashed at deck end. The uprights shall be constructed of 3/4" x 1" oval tube. The entire assembly shall be solid welded.

Deck Enclosure (One-Sided):

The one-sided deck enclosure shall comprise enclosure rails and uprights. The enclosure rails shall be constructed of 1" pipe, drilled and mashed at deck end. The uprights shall be constructed of 3/4" x 1" oval tube. The entire assembly shall be solid welded.

Deck Enclosure (Nature Deck):

The nature deck enclosure shall comprise rails constructed of 1" pipe drilled and mashed at deck end and fully welded. Brackets of 11 ga. galvanized sheet steel are stitch welded to the 1" pipe frame. Boards of 1" x 5.5" recycled plastic and wood composite are fastened to the frame with Fastener Style A hardware.

Fasteners:

All Versalok Fasteners for deck and component attachment shall be aluminum alloy. All hardware shall be Fastener Style A.

Finishes:

The deck enclosures and Versalok Fasteners shall have a Mira-Cote finish.



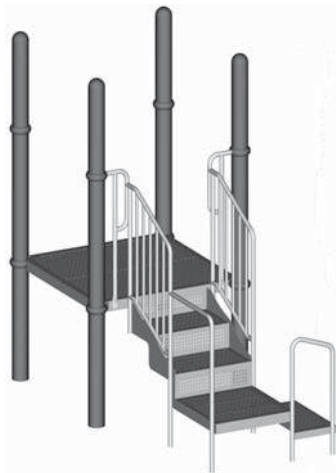
Kids' Choice® - Mira-Therm II™

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

Deck systems not included in these assemblies.

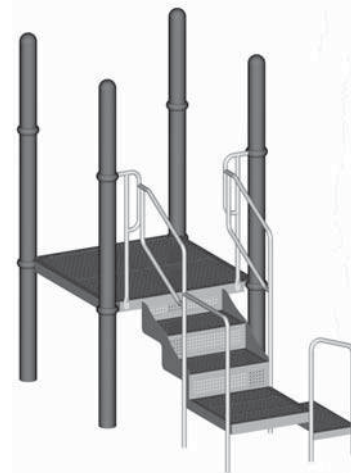
714-851-39

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



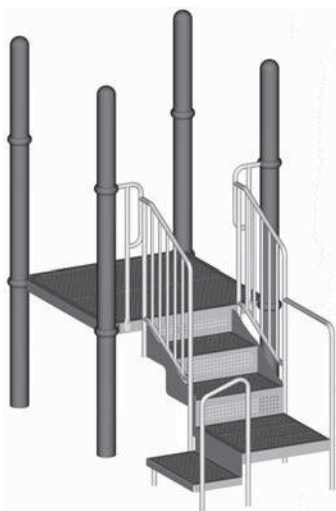
714-851-359

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



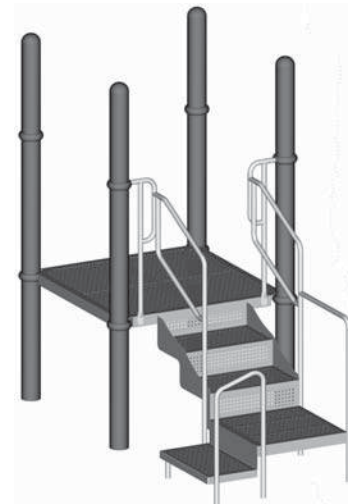
714-851-39

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



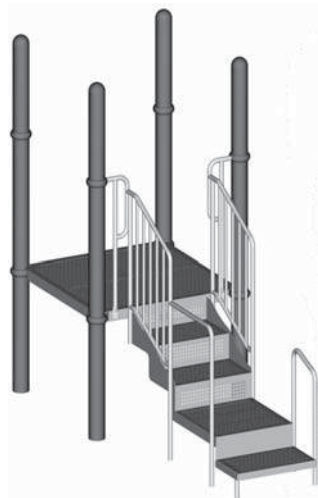
Kids' Choice® - Mira-Therm II™

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

Deck systems not included in these assemblies.

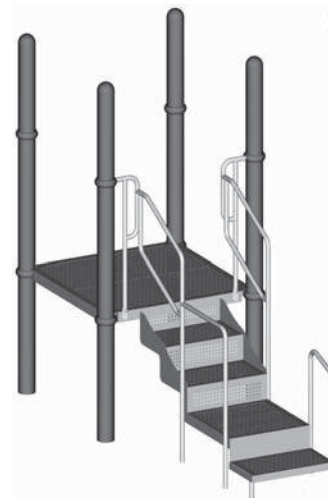
714-851-39

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



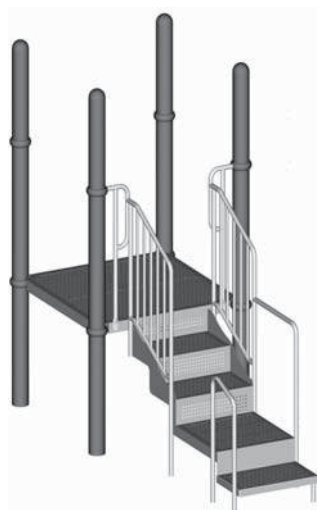
714-851-359

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



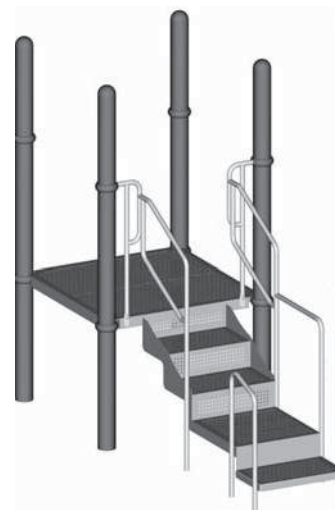
714-851-39

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



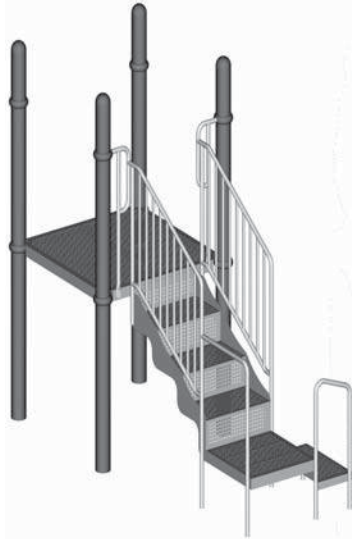
Kids' Choice® - Mira-Therm II™

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

Deck systems not included in these assemblies.

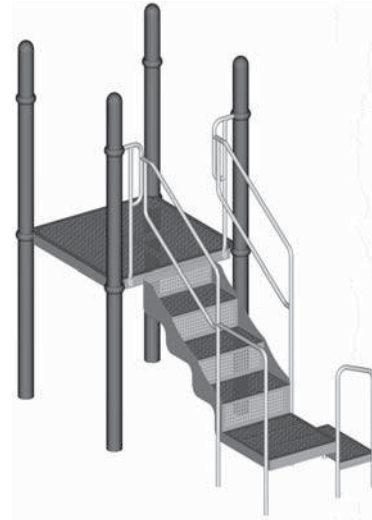
714-851-49

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



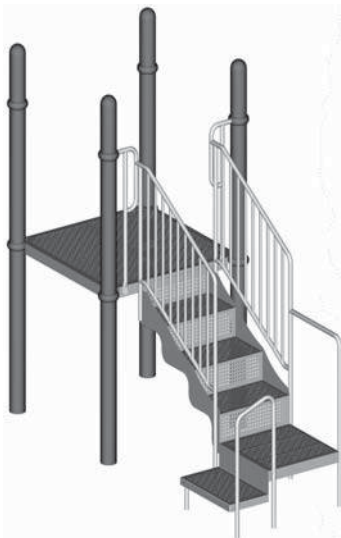
714-851-459

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



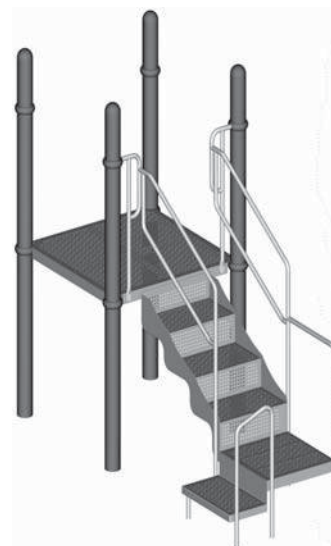
714-851-49

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



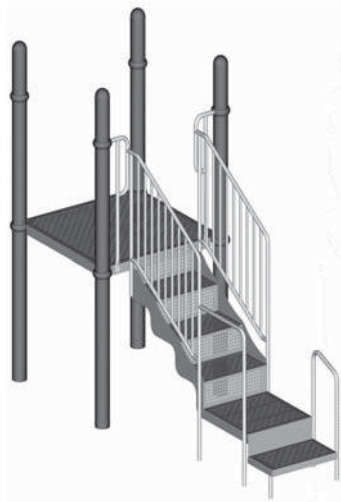
Kids' Choice® - Mira-Therm II™

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

Deck systems not included in these assemblies.

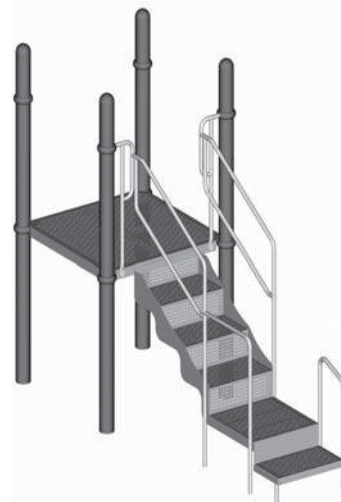
714-851-49

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



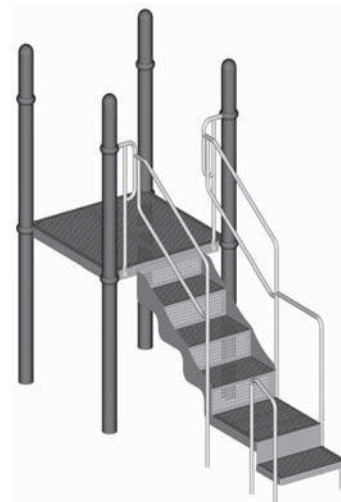
714-851-49

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



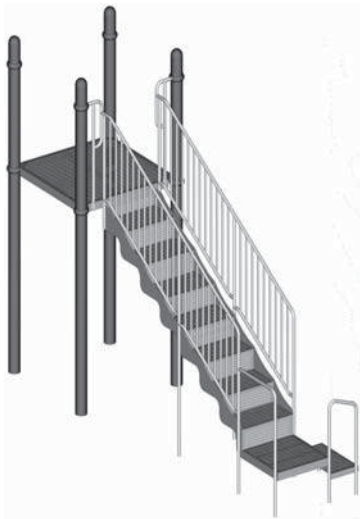
Kids' Choice® - Mira-Therm II™

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

Deck systems not included in these assemblies.

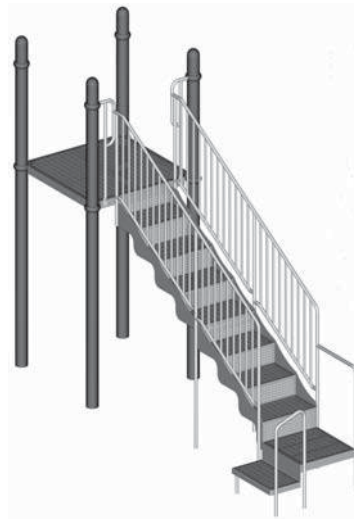
714-851-69

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.

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

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



MIRACLE
RECREATION EQUIPMENT COMPANY

Product Specifications

February 21, 2005

Rev. H

Kids' Choice®

Activity Panels

714-716

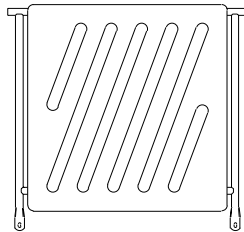
714-756

714-758

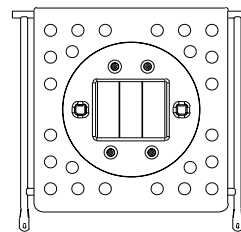
714-760

10 additional
panel models

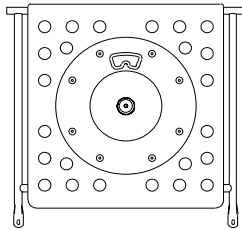
714-716: View Groove Panel



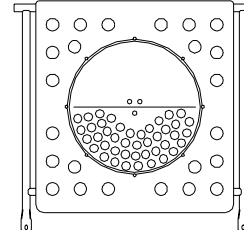
714-756: Sight-N-Sound Panel



714-758: Vision Adventure Panel



714-760: Magic Ball Popper Panel



Top Views and Footing Layouts not shown. These units mount vertically on Deck systems.

714-875

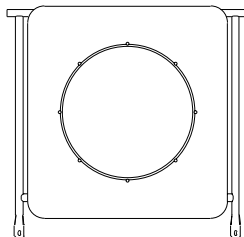
714-875-30

714-904

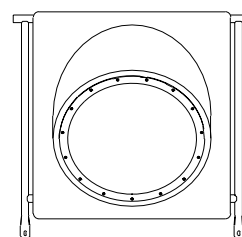
714-980-4

10 additional
panel models

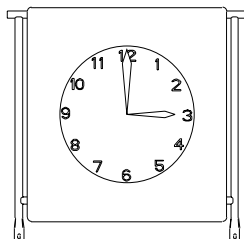
714-875: Bubble Panel



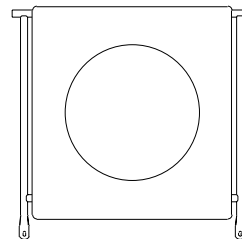
714-875-30: Look-Out Panel



714-904: Clock Panel



714-980-4: Convex Mirror Panel



Top Views and Footing Layouts not shown. These units mount vertically on Deck systems.

Activity Panels

714-716, 714-756, 714-758, 714-760, 714-875, 714-875-30, 714-904, 714-980-4,
714-980-5, 714-982-2, 714-982-3, 714-982-4, 714-983-1, 714-983-2



Kids' Choice®
Activity Panels

714-980-5

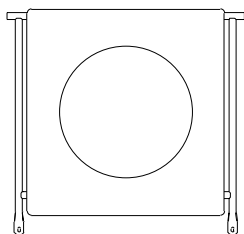
714-982-2

714-982-3

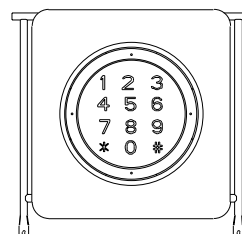
714-982-4

10 additional
panel models

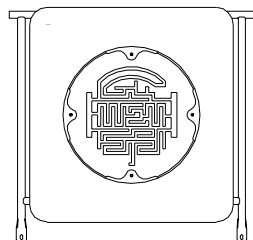
714-980-5: Flat Mirror Panel



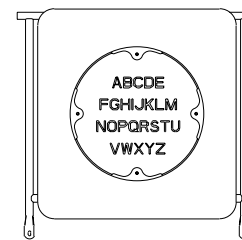
714-982-2: Number Finger Maze Panel



714-982-3: Finger Maze Panel



714-982-4: Letter Finger Maze Panel



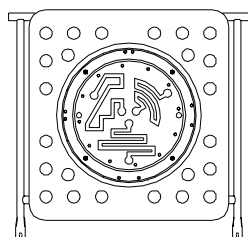
Top Views and Footing Layouts not shown. These units mount vertically on Deck systems.

714-983-1

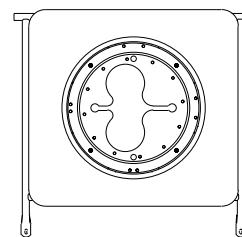
714-983-2

12 additional
panel models

714-983-1: Marble Race Panel



714-983-2: Motor Skill Panel



Top Views and Footing Layouts not shown. These units mount vertically on Deck systems.

Activity Panels

714-716, 714-756, 714-758, 714-760, 714-765, 714-775-30, 714-904, 714-980-4, 714-980-5, 714-982-2, 714-982-3, 714-982-4, 714-983-1, 714-983-2



Kids' Choice®

Activity Panels

<u>MODEL #</u>	<u>PRODUCT</u>	<u>MODEL #</u>	<u>PRODUCT</u>
714-716	View Groove Panel	714-756	Sight-N-Sound Panel
714-758	Vision Adventure Panel	714-760	Magic Ball Popper Panel
714-875	Bubble Panel	714-875-30	Look-Out Panel
714-904	Clock Panel	714-980-4	Convex Mirror Panel
714-980-5	Flat Mirror Panel	714-982-2	Number Finger Maze Panel
714-982-3	Finger Maze Panel	714-982-4	Letter Finger Maze Panel
714-983-1	Marble Race Panel	714-983-2	Motor Skill Panel

DESCRIPTION

These Kids' Choice developmental activity panels are designed to attach to Kids' Choice or Center Stage systems above the deck. All panels are assembled at the factory.

The View Groove Panel, Model # 714-716, features slanted slots that create a vented enclosure, allowing children to view through the panel. The Sight-N-Sound Panel, Model # 714-756, contains three displays of mobile materials offering visual and auditory interactivity. The Vision Adventure Panel, Model # 714-758, 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 # 714-760, 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 # 714-875, features a clear, convex "bubble" window. The Look-Out Panel, Model # 714-875-30, features a canopy-type hood with a clear, convex "bubble" window. The Clock Panel, Model # 714-904, features a clock face with moveable hands. The Convex Mirror Panel, Model # 714-980-4, and Flat Mirror Panel, Model # 714-980-5, each contain a mirror providing normal or distorted reflections for visual amusement. The Number Finger Maze, Model # 714-982-2 and Letter Finger Maze Panel, Model # 714-982-4, contain recessed grooves for tactile interpretation of the alphabet and numerals. The Finger Maze Panel, Model # 714-982-3, Marble Race Panel, Model # 714-983-1, and Motor Skill Panel, Model # 714-983-2, feature games and puzzles designed to develop eye-hand coordination and perceptions of spatial relationships.

MATERIALS

Panels:	The panels shall be constructed of <u>Rockite</u> with all corners rounded. Covers shall be <u>Rockite</u> and shall be attached at the factory using tamper-proof hardware.
Enclosure:	The enclosures shall consist of uprights and support bars, all constructed of <u>1" pipe</u> , drilled, formed and <u>welded</u> .
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.

Continued next page

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



Kids' Choice®

Activity Panels

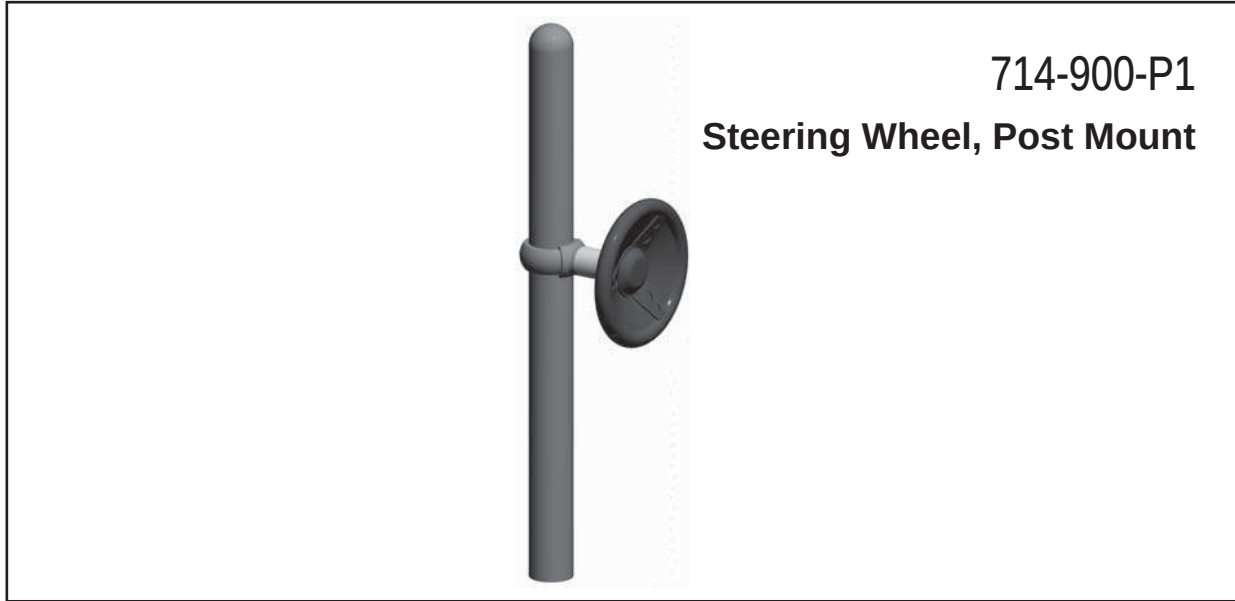
MATERIALS (continued)

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 fasteners.
Look-Out Panel:	The panel shall have molded in 30 degree extension; see bubble described above.
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.
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 4" holes allowing for stirring, spinning, balancing and passage of 3" diameter polyurethane balls of several colors.
Panels with Mirrors-Convex/Flat:	The panels shall measure 36" x 38" x 2-1/2". The mirrors shall be vacuum-formed from mirror polycarbonate sheet. The shall mirror measure 24" in diameter and shall be attached at the factory using tamper-proof fasteners.
Finger Maze Panels-Number/Mazes/Alphabet:	The panels shall measure 36" x 38" x 2-1/2". The mazes shall be constructed of <u>Mira-Lam</u> with the corresponding design factory-routed. The maze shall measure 24" in diameter and shall be attached at the factory using tamper-proof fasteners.
Marble Race and Motor Skills Panels:	The panels shall measure 36" x 38" x 6" and shall be constructed of <u>Mira-Lam</u> , measuring 24" in diameter, and shall be attached at the factory using tamper-proof fasteners.
Fasteners:	The assembly shall contain <u>Versalok Fasteners</u> and <u>Fastener Style A</u> hardware.
Finishes:	The panels shall have molded-in color. The enclosures and clamps shall have a <u>Mira-Cote</u> finish.

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

Kids' Choice®

Steering Wheel, Post Mount



714-900-P1

Steering Wheel, Post Mount

<u>MODEL</u>	<u>PRODUCT</u>	<u>PROT. AREA</u>	<u>GRND. SPACE</u>	<u>CONCRETE</u>
714-900-P1	Steering Wheel, Post Mount	NA	2' x 1'	NA

DESCRIPTION:

This Steering Wheel, Post Mount, is designed to provide driving simulation on any pre-existing deck post.

MATERIALS:

Steering Wheel:

The steering wheel shall be constructed of a high density blow molded polyethylene produced from high performance, U.V. stabilized 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 shall contain U.V. light stabilizers.

Steering Column:

The steering column shall be constructed of 2" pipe.

Fasteners:

The assembly shall contain Fastener Style A hardware.

Finishes:

The steering column shall have a Mira-Cote finish.

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

Steering Wheel, Post Mount

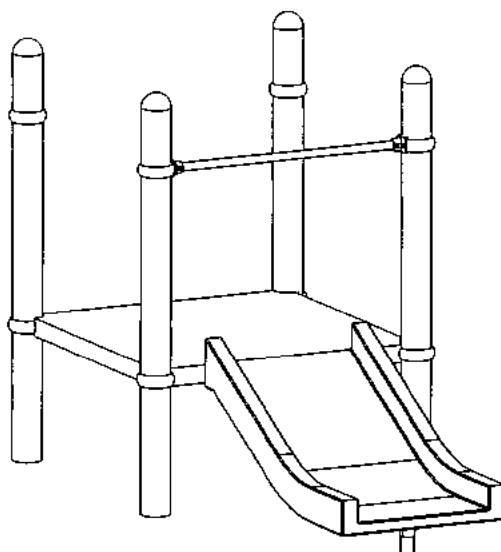
714-900-P1



PRODUCT SPECIFICATIONS

**Model 714-910:
Ski Slide from a 2' Deck**

April 3, 1998 Rev. E



714-910

Ski Slide from a 2' Deck

April 3, 1998 Rev. E

DESCRIPTION:

Model 714-910 is a single bedway Rockite slide for a 2' deck.

Ground space	Deck ht.	Overall ht.
4'-4" x 2'-6"	2' deck	5'-2"

Concrete for footings: .05 cubic yards required.

MATERIALS:

Slide: The slide is constructed of Rockite® with aluminum bolting plates incorporated internally for securing the legs and in the end connecting to the deck. The dimensions are: bedway width, 31-3/4"; outside overall, 38"; rail width, 3-1/8"; top of bedway to top of rail, 4-1/2"; and bedway thickness, 2".

"T" leg: The "T" leg consists of an upright and a top. The upright is constructed of 2" pipe that measures 35" long with a 1-1/4" x 3-1/4" channel top constructed of 11 ga. sheet, welded to the upright in a "T" configuration.

Handhold Bar: The handhold bar is constructed of 1" pipe.

Fasteners: All hardware is fastener style A.

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

Finishes: The Rockite slide has color molded in. The leg, handhold bar, and Versalok™ Fasteners have a Mira-cote™ finish.

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

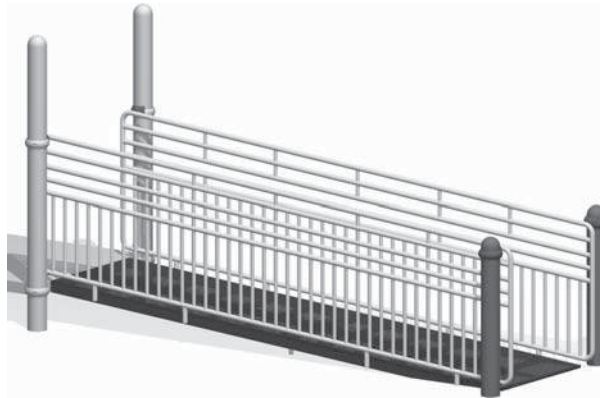
Kids' Choice® - Mira-Therm II

12' (1:12) Ground-to-Deck Ramps - Spoked or Open Handrails

714-920-9, 714-920-93*, 714-920-29*

12' (1:12) Ground-to-Deck Ramps w/Spoked Handrails, Mira-Therm II

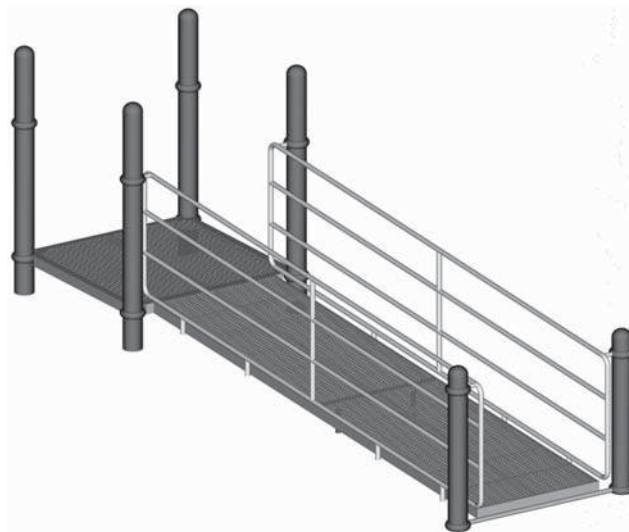
(*) Models 714-920-93, 714-920-29 not shown. Appearances and installations are identical.



714-920-59, 714-920-593*, 714-920-595, 714-920-259***

12' (1:12) Ground-to-Deck Ramp w/Open Handrails, Mira-Therm II

(*) Model 714-920-593, 714-920-259 not shown. (**) Model 714-920-595 not shown.



*Note: Model numbers with an (**) indicate: Post Sold Separately.*

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

12' (1:12) Ground-to-Deck Ramps

714-920-9, 714-920-29, 714-920-93, 714-920-59, 714-920-593, 714-920-595, 714-920-259

Kids' Choice® - Mira-Therm II

12' (1:12) Ground-to-Deck Ramps - Spoked or Open Handrails

<u>MODEL</u>	<u>PRODUCT</u>	<u>GROUND SPC.</u>	<u>CONCRETE</u>
714-920-9	12' Ground-to-Deck Ramp - Spoked Handrails & Steel End Posts	12'-0" x 4'-0"	0.35 cu. yds.
714-920-93	12' Ground-to-Deck Ramp - Spoked Handrails & Steel End Posts	12'-0" x 4'-0"	0.35 cu. yds.
714-920-29	12' Ground-to-Deck Ramp - Spoked Handrails & Aluminum End Posts	12'-0" x 4'-0"	0.35 cu. yds.
714-920-59	12' Ground-to-Deck Ramp - Open Handrails & Steel End Posts	12'-0" x 4'-0"	0.35 cu. yds.
714-920-593	12' Ground-to-Deck Ramp - Open Handrails & Steel End Posts	12'-0" x 4'-0"	0.35 cu. yds.
714-920-595**	12' Ground-to-Deck Ramp - Open Handrails & Steel End Posts	12'-0" x 4'-0"	0.35 cu. yds.
714-920-259	12' Ground-to-Deck Ramp - Open Handrails & Aluminum End Posts	12'-0" x 4'-0"	0.35 cu. yds.

DESCRIPTION

These 12' long inclined ramp assemblies from ground level to a 1' high deck system feature either steel or aluminum end posts and spoked or open handrails.

MATERIALS

Ramps:

The 3' x 6' ramp sections 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.

Spoked Handrails: Each handrail assembly shall consist of a top and bottom rail, uprights, and leg extension stubs. The top and bottom rails shall be constructed of 1" pipe. The uprights and stubs shall be constructed of 1" tube. The entire assembly shall be solid welded. Plastic pipe plugs shall be inserted in ends of stubs.

Open Handrails: Each handrail assembly shall consist of a top, bottom, and middle rail constructed of 1" pipe. The leg extension stubs shall be 1" tube with plastic pipe plugs inserted in open ends. The middle rail shall be welded to the top rail. The entire assembly shall be solid welded.

Stub Assemblies: The handrail stubs shall be constructed of 1" pipe with 3/8" aluminum inserts.

Posts : Posts for Models 714-920-9 and 714-920-59 shall be constructed of 5" tube, 11 ga. Posts for Models 714-920-93 and 714-920-593 shall be constructed of 5" tube. Posts for Models 714-920-29 and 714-920-259 shall be constructed of 5" aluminum tube. Each post shall have a 5" round end cap pressed into its top end. Each post shall measure 76" before end cap. Post for Model 714-920-595 is sold sperately.

Ramp Support: The ramp support shall consist of a 41" rung of 1" pipe and a bolting plate constructed of 7 ga. G-90 galvanized sheet.

Ramp Legs: Ramp legs shall measure 59" and shall be constructed of die-formed 1-1/2" tube.

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

Finishes: The handrails, posts, stubs, legs, and clamps shall have a Mira-Cote finish. The ramps shall have a Mira-Therm finish.

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



Product Specifications

January 12, 2006 Rev. B

Kids' Choice® - Mira-Therm II
ADA Ramp Extension

714-920E

714-920A

ADA Ramp Extension



714-920E

714-920A

ADA Ramp Extension Plate



ADA Ramp Extension

714-920E, 714-920A

Kids' Choice® - Mira-Therm II ADA Ramp Extension

<u>MODEL #</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>CONCRETE</u>
714-920E	ADA Ramp Extension	3' x 4'	0.05 cu. yds.
714-920A	ADA Ramp Extension Plate	1' x 3'	N/A

DESCRIPTION

The ADA Ramp Extension is designed to provide a smooth transition from ramp to finished grade on any ground-to-deck ADA ramp assembly.

MATERIALS

Ramp Extension: The ramp extension shall be constructed of 11 ga. sheet perforated with a staggered pattern of 3/8" round holes with tapered edges. The extension shall be 47-15/16" wide at its low end, 46-5/8" wide at its ramp end, and 36" wide at its apex of 3-1/8". The ramp extension shall contain a brace made of 1/4" flat with tabs of 1/4" x 2" flat for field attachment of leg. The entire assembly shall be solid welded.

Ramp Extension

Plate: The ramp extension plate shall be constructed of 7 ga. sheet. The extension plate shall be 12" wide by 35-3/4" long. The entire assembly shall be solid welded. The extension plate shall be PVC coated.

Leg: The leg shall comprise an upright of 2" pipe solid welded to a support channel of 11 ga. A-60 Galvannealed in a "T" configuration.

Fasteners: All fasteners shall be Fastener Style A.

Finishes: The ramp extension shall be finished in Mira-Therm. The leg shall have a Mira-Cote finish.

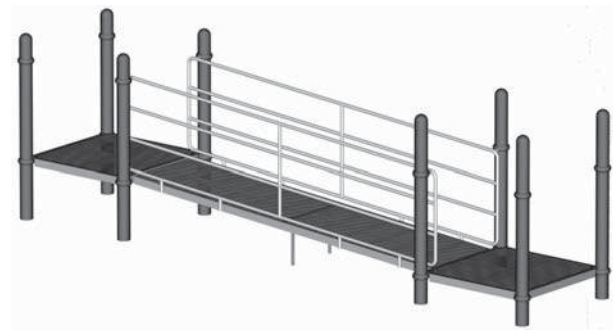
Kids' Choice®

Ramp Deck-To-Deck 12', 1:12 MT II

714-921-9

**Ramp Deck-To-Deck 12',
1:12 MT II**


714-921-59

**Ramp Deck-To-Deck 12',
1:12 OPN HNDRL MT II**


<u>MODEL</u>	<u>PRODUCT</u>	<u>GROUND SPACE</u>	<u>CONCRETE</u>
714-921-9	Ramp Deck-To-Deck 12', 1:12 MT II	4'-0" x 12'-0"	0.10 cu. yds.
714-921-59	Ramp Deck-To-Deck 12', 1:12 OPN HNDRL MT II	4'-0" x 12'-0"	0.10 cu. yds.

DESCRIPTION

The Ramp Deck-To-Deck 12', 1:12 MT II are horizontal walkways between adjacent deck systems with a 1' rise and 12' run. Spoked or open handrails enclose the ramps on both sides.

MATERIALS

- Ramp Sections:** Ramp sections shall be constructed of 11 ga. steel sheet perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center, with edges fold to form 3" tall walls; braces of 1/4" x 1-1/2" flat; all solid welded.
- Spoked Handrails:** Top and bottom rails and ramp mounting stubs shall be constructed of 1" pipe. Infill spokes shall be 3/4" x 1" oval tube. The entire assembly shall be solid welded. Plastic pipe plugs shall be inserted in open ends of stubs.
- Open Handrails:** Top, middle and bottom rails and ramp mounting stubs shall be constructed of 1" pipe. The entire assembly shall be solid welded. Plastic pipe plugs shall be inserted in open ends of stubs.
- Clamp Ramp Stubs:** Clamp ramp stubs for mounting handrails with plastic spacers to bar sockets, clamps and posts shall be constructed of 1" pipe containing 3/8" aluminum inserts.

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

Ramp Deck-To-Deck 12', 1:12 MT II

714-921-9, 714-921-59

Kids' Choice®

Ramp Deck-To-Deck 12', 1:12 MT II

MATERIALS cont.

- Ramp Legs: Support legs shall be constructed of 1-1/2" tube, mashed and punched.
- Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.
- Finishes: Ramps shall be finished in Mira-Therm II. Handrails, clamps and legs 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

Mar. 26, 2002 Rev. B

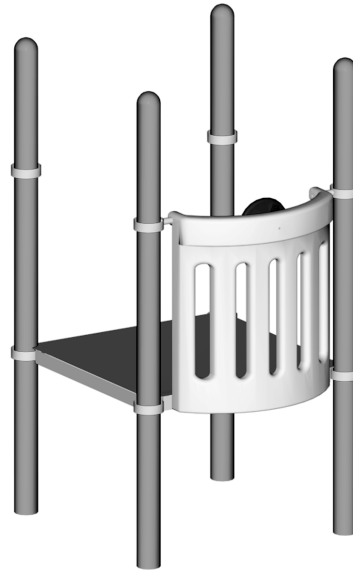
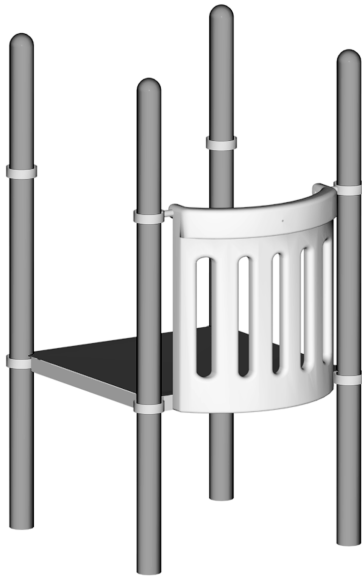
Kids' Choice®

Lookout Tower and **Command Post** with Steering Wheel

714-992-2 and **714-992-26**

Lookout Tower

Command Post with Steering Wheel



Lookout Tower and Command Post

714-992-2, 714-992-26

Kids' Choice®

Lookout Tower and **Command Post** with Steering Wheel**MODEL #**

714-992-2

714-992-26

PRODUCT

Lookout Tower

Command Post with Steering Wheel

DESCRIPTION

The Lookout Tower and Command Post are curved deck extensions/overhangs and enclosure components for deck systems designed to stimulate imaginative play.

MATERIALS**Panel:**

Panel shall be constructed of Rockite, with wall thickness approximately 1/4", formed to extend the deck surface in a semi-circle (approximately 40" long with a radius of 9-7/16") and also formed to serve as an enclosure. The panel shall contain five molded-in 2" view slots evenly spaced, with all corners rounded. The panel shall have four factory-installed 3/8" threaded inserts for field attachment to deck. The assembly shall include top rail stubs of 1" pipe.

Steering Wheel:

Model # 714-992-26 only

The steering wheel shall be constructed of a high density blow molded polyethylene produced from high performance, U.V. stabilized 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 shall contain U.V. light stabilizers.

Fasteners:

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

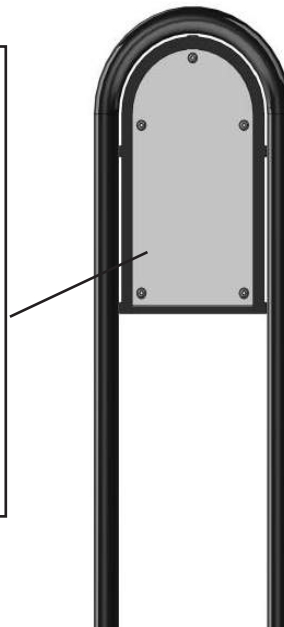
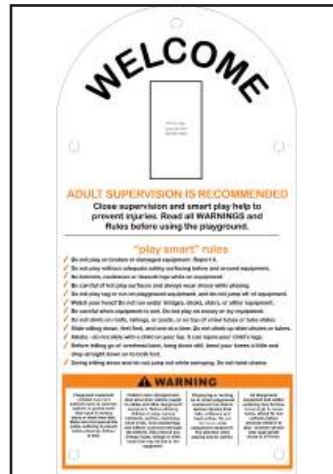
Finishes:

The Rockite panel shall have color molded in. The top rail stubs and clamps shall have a Mira-Cote finish.

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



Risk Management Sign



Note: English version shown.

MODEL	PRODUCT	GROUND SPACE	CONCRETE
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.
787SP	Risk Management Sign - Spanish	1'-6" x 3'-6"	0.09 cu. yd.

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.

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

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

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



Candy Cane Playground

City of Ypsilanti, MI

Playground General Information

*P.O. Box 130
Holly, MI 48442
800.722.8546
www.miraclemidwest.com*



SHAPING THE FUTURE OF PLAY

WHY CHOOSE MIRACLE?



We're Serious About Play & Play Value

Play is critically important to children's physical, mental and social development, and Miracle takes it seriously. Miracle Recreation Equipment Company's designers deliver on this vision with components that challenge children's minds and bodies.

Physical, Social & Cognitive Benefits

Through play, children develop and experience an early understanding of social situations. Play allows them to communicate, help regulate emotions, develop compassion, assume leadership roles and refine negotiation skills. Play is also how children learn concepts such as the force of gravity and spatial awareness.

MIRACLE INNOVATIONS, SHAPING THE FUTURE OF PLAY

- Anti-microbial paint options that help prevent growth of bacteria and mold
- MegaTower® – A vertical design that offers maximum play within a small foot print up to 25' high
- Versalok® Clamp System - a Miracle exclusive
- Gator Grip® textured gripping surfaces - makes holding on easier for small hands
- Patented Easy-Slide Tensioning System for quick, easy removal of standard Sun Shades and Sun Toppers
- Mira-Therm™ vinyl coatings for deck surfaces

EQUIPMENT THAT MAKES CHILDREN'S FITNESS CHILD'S PLAY!

- Designed to fight childhood obesity and improve kids' health
- Challenging play (like Nexus® and MegaTower®) so even older kids exercise longer
- A variety of exciting fitness stations for kids
- Fitness Clusters that address specific body areas for improved children's fitness





SHAPING THE FUTURE OF PLAY

WHY CHOOSE MIRACLE?

SAFETY THAT PROTECTS KIDS FIRST, BUT NEVER FORGETS FUN!

- Miracle designs and tests all equipment to meet or exceed the American Society for the Testing of Materials (ASTM) Standards, and the Consumer Product Safety Commission (CPSC) Guidelines. Compliance is certified by the International Play Equipment Manufacturer's Association (IPEMA)

QUALITY THAT'S MORE THAN JUST A CLAIM

- Only the highest quality, longest lasting, environmentally sound construction materials are used
- ISO 14001:2004 Certification in 2008 for healthier, more sustainable manufacturing processes
- ISO 9100 Certificate for maintaining stringent standards in design, production, testing and quality control
- UV stabilizers added to plastic and paint colors for long lasting fade resistance
- Chip and scratch resistant powder-coated steel parts and innovative deck coating process
- Our triple "Flo-Coat" galvanized steel tubing provides protection against corrosion and is backed with a 100 year warranty as long as you own the product
- Optional coatings featuring Anti-Microbial additives available

CHOICE OF THOUSANDS OF COMBINATIONS AND CUTTING EDGE CUSTOM DESIGNS!

- Our expert staff of designers, innovators, engineers, and fabricators build high-quality, safe and durable play spaces
- Custom Design Studio is ready to work with you on any theme or unique design request
- Wide range of decks, climbers and slides
- 19 standard powder coat paint colors to choose from
- 6 exclusive two-tone powder coat paint colors to choose from
- 25 plastic colors to choose from
- 6 deck colors to choose from
- All playgrounds designed for maximum play value

DESIGNS THAT HELP EVERY CHILD PLAY

- Compliance with American Disabilities Act (ADA) Accessibility Guidelines for Play Areas
- Pioneering universally designed playgrounds for kids of all ages and abilities



For the past 89 years, we've built our company on integrity, customer service, and quality at honest prices. We don't intend to stop doing that anytime soon. Our promise is to provide you with the best solution for your playground needs, no gimmicks or misleading terms.

Give us a chance to give you a better price. Just provide us any competitive quote, along with a drawing, and we will design a play structure of equal or better play value. Thank you for the opportunity to earn your business.

878 E Highway 60 | Monett, Missouri, USA 65708 | Miracle-Recreation.com | 1-888-458-2752

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SHAPING THE FUTURE OF PLAY

DURABILITY



Built to Last

At Miracle, quality is more than just a claim. We use only the highest quality, longest lasting and environmentally sound materials available. Our products are built to last, utilizing such features as UV stabilized paint and plastic colors, triple "Flo-Coat" galvanized steel tubing, and chip resistant powder-coated steel parts. You can also have peace of mind knowing that we maintain our ISO 9001 certificate that demands stringent standards in design, production, testing and quality control.



Tube Steel Used for Pipes

- Flo-Coat on the exterior and interior to provide corrosion resistance
- Super durable epoxy powder coating finish system available in 30 color choices
- UV Stabilizers added to prevent color loss
- Anti-microbial designer colors available



Steel Decks

- Fabricated/Welded steel decks made from 11 gauge steel
- Welded bracing on underside to prevent "oil canning"
- Mira-Therm™ 2 coating system which prevents corrosion and solar heating
- Anti-microbial additives incorporated into coatings to prevent mold



Plastic Parts

- Virgin polyethylene materials used for roofs and slides
- Rotationally molded to provide increased wall thickness for strength
- UV stabilized pigments to prevent color loss from the sun
- Up to 25 color choices available



Hardware

- Versalok® Clamp System - a Miracle exclusive
- Stainless steel, temper-proof fasteners used throughout the play system
- Corrosion resistant aluminum clamps



SHAPING THE FUTURE OF PLAY

GATOR GRIP® TEXTURE COATING

Gator Grip®

At Miracle Recreation, safety is at the forefront of everything we do. We are constantly working to improve both the safety and quality of our playground equipment. This is why we have developed Gator Grip®, a Miracle Exclusive feature.

Gator Grip is a three dimensional textured pattern located on all hand gripping surface on most of our play systems. The 3D textured pattern makes it easy and comfortable for kids to hold on tight.



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SHAPING THE FUTURE OF PLAY

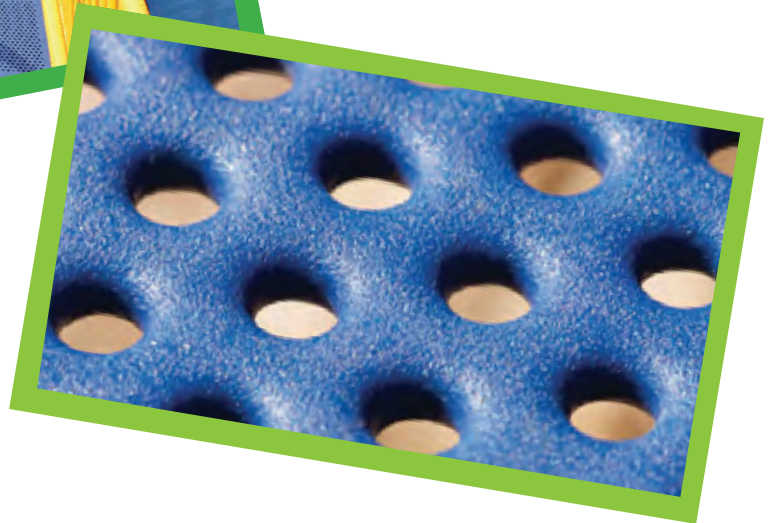
MIRA-THERM™ 2 COATING



Mira-Therm™ 2

In an effort to provide our customers with quality choices in coatings, Miracle Recreation conducted 9 months of thorough research and testing to develop a thermoplastic coating formulation, Mira-Therm™ 2.

Mira-Therm™ 2 is an improved formulation of our tried and true polyvinyl chloride-based coating. It is non-toxic and complies with the Consumer Product Safety Improvement Act (CPSIA).



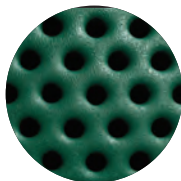
FEATURES & BENEFITS

- Abrasion resistant, non-skid, textured finishes for long life in high traffic areas
- Contains anti-microbial additives to help resist the growth of mold
- Added UV stabilizers to help prevent color loss, hardening, and degradation
- Soft "rubber" feel for little hands and knees
- Outstanding insulation against heat transfer on contact
- Complies with the Consumer Product Safety Improvement Act (CPSIA)
- Six color choices (see below)

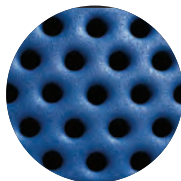
Red



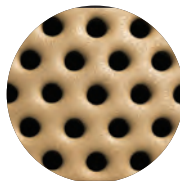
Hunter Green



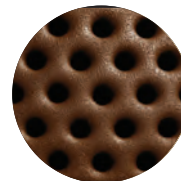
Royal Blue



Sand



Brown



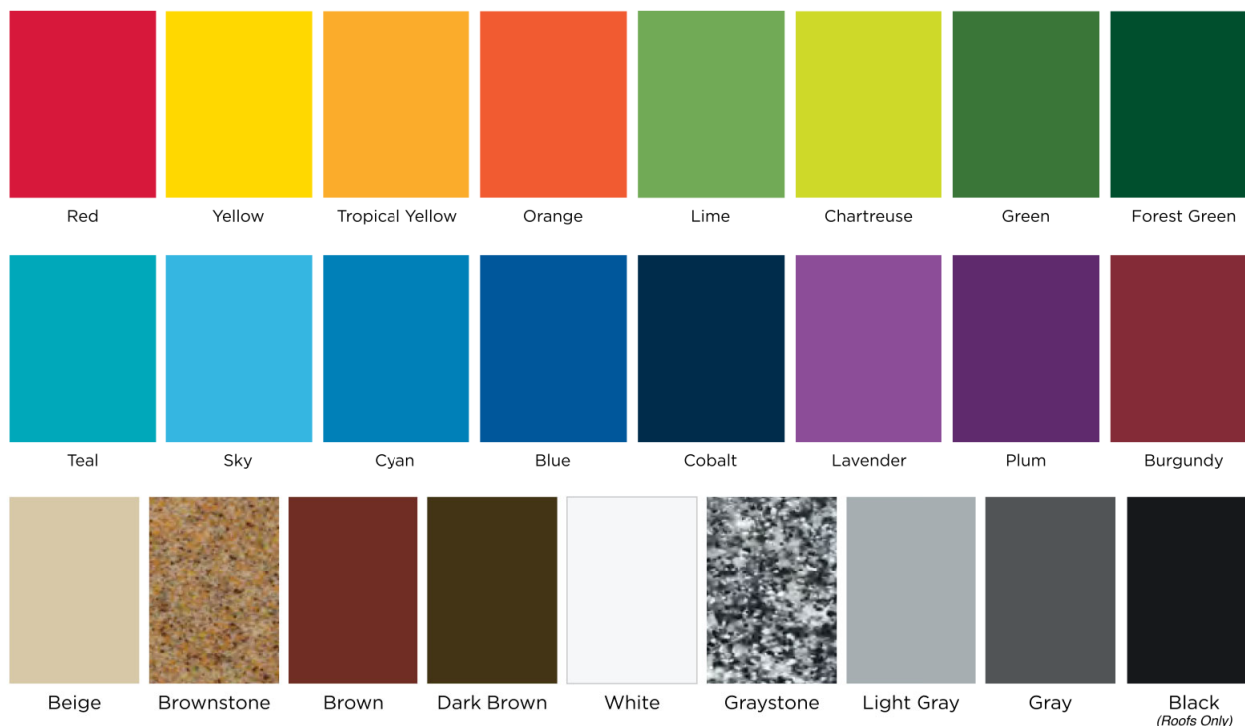
Dark Gray



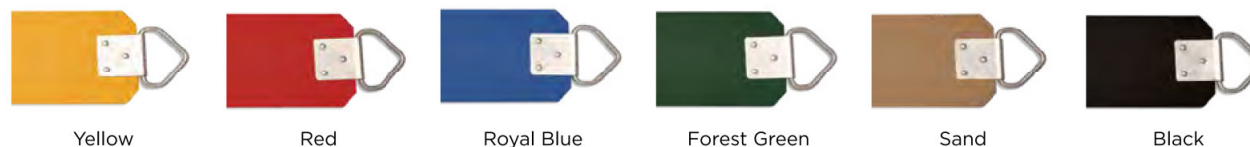
Color Choices

ROCK-ITE® PLASTIC COLOR CHOICES

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



MIRACLE SWING SEAT COLORS



MIRA-LENE™ PANEL COLOR CHOICES



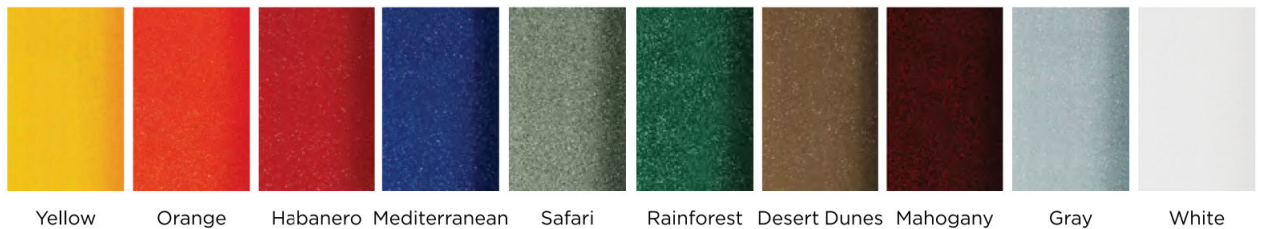
MIRA-COTE® POWDER-COATED PAINTED METAL COLOR CHOICES

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



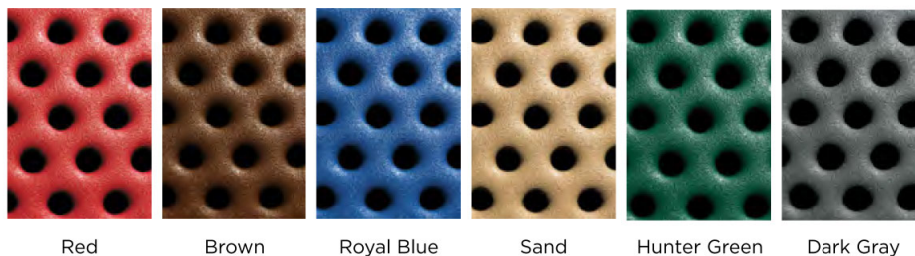
ANTI-MICROBIAL PAINTED METAL COLORS

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



TEXTURED MIRA-THERM™ COLOR CHOICES

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 anti-microbial 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.

Miracle® Limited Warranty

Miracle Recreation Equipment Company warrants its products against structural failure due to defects in materials and workmanship for the warranty periods and material categories prescribed below.

Buyer agrees that products sold by Miracle Recreation Equipment Company carry only the following warranties:

1. **LIMITED WARRANTY FOR AS LONG AS YOU OWN THE PRODUCT:** Aluminum deck posts, steel deck posts, VersaLok® fastening system, cast aluminum parts, and associated fastening hardware.
2. **LIMITED FIFTEEN (15) YEAR WARRANTY:** All rigid steel playground components, decks, steps, and weldments, rotationally molded and sheet plastic components, plastic lumber, roof panels, and stainless steel slides, except as otherwise specified below.
3. **LIMITED TEN (10) YEAR WARRANTY:** Fabric shade steel frames, Shadesure™ and Colourshade FR fabrics (Note Exception: Limited Five (5) Year Warranty on Shadesure™ fabrics in colors Red, Yellow, Electric Purple, Zesty Lime, Cinnamon, and Olive.)
4. **LIMITED EIGHT (8) YEAR WARRANTY:**
 - Fiberglass signage, accessible swing seats, precast PolyFiberCrete or precast concrete products.
 - Play Terrain Synthetic Turf safety surfacing against deterioration of specified attenuation performance and appearance.
 - Integrated shade fabric and components against rot, UV deterioration and defects in materials and workmanship (Note Exception: Limited Three (3) Year Warranty for fabric in shades of red).
5. **LIMITED FIVE (5) YEAR WARRANTY:**
 - Heavy duty diamond barrier mesh and Kidrox™ Climbing Rocks.
 - Mira-Therm™ PVC coating and PE coating against cracking or peeling.
 - Park and Site Amenities (i.e. benches, tables, trash receptacles, etc.).
 - GFRP (Glass Fiber Reinforced Polymer) Products.
 - Steel core cable nets and rope fittings and connections (Note Exception: Warranty does not cover normal wear and tear such as fraying or facing of cable coating).
6. **LIMITED THREE (3) YEAR WARRANTY:** Flexible belting, plastic border timbers and accessories, and electronic panel speakers, sound chips, and circuit boards.
7. **LIMITED ONE (1) YEAR WARRANTY:**
 - Slashproof Swing Seats, 360° Bucket Tot Swing Seats, and Tuff Net no climbing mesh.
 - Pool slide support structures, stairways, landings and railings.
 - All other products, components and custom pieces that are not specifically listed above, including, without limitation, all moving parts, such as swing hangers and bearings, swivels, chains, whirls, springs and flexible components, and all high wear items, such as trolleys, cables, wheels, and bumper stops related to rail and cable ride products.

BUYER'S REMEDY: If any products prove defective or non-conforming under normal use and within the above-prescribed warranty periods and material categories, Buyer must promptly notify Miracle® in writing at 878 E. Hwy 60, Monett, MO 65708 USA. Miracle® may elect to inspect the alleged defect at Buyer's site or at Miracle's facility. Buyer shall not return products to Miracle® unless authorized by Miracle® to do so. Authorized returns must be properly packaged and shipped prepaid and insured, at Buyer's expense. Upon verification of warranty coverage, Miracle® may elect, in its sole discretion, to repair defective or non-conforming products, or replace them by delivering products or part(s) of similar functionality free of charge to the site. Miracle's limited warranties do not cover the cost of labor to remove defective or non-conforming part(s) or to install repaired or replacement part(s). By use of these limited warranties, Buyer accepts their terms and limitations, and waives any rights it would otherwise have to claim or assert that such warranties fail of their essential purpose. Buyer agrees that venue for any court action to enforce these limited warranties shall be in Barry or Greene Counties in the State of Missouri.

LIMITATIONS: All warranty periods begin on the date of Miracle's invoice. Repaired and/or replacement part(s) are warranted only for the balance of the original limited warranty period. Warranties extend only to the original Buyer/end user for products purchased from Miracle® or a Miracle® authorized reseller, and are not transferable.

Warranties apply only to Miracle® products that are erected and installed in conformance with Miracle's installation instructions, and that are maintained and inspected in conformance with Miracle® maintenance and operational instructions.

Warranties specifically do not cover Miracle® products:

- for cosmetic damage or flaws occurring under normal use, such as surface scratches, minor chips, hairline cracks, dents, marring, efflorescence, color fade (except for shade fabric as noted above), discoloration, corrosion/rust, fraying, or warping of recycled plastic lumber;
- that have been modified, altered, or repaired by unauthorized third parties;
- that have not been used as designed or intended, or misused;
- to which non-Miracle® parts have been added or substituted;
- that have been removed from their original location and re-installed elsewhere;
- or that have been damaged due to excessive wear and tear, vandalism, abnormal use, abuse, negligence, environmental factors (such as wind-blown sand, salt spray, or airborne emissions from industrial sources), extreme weather (such as hail, flooding, lightning, tornados, sandstorms, earthquakes, or wind storms), and acts of God.

Miracle® does not warrant that any particular color will be available for any specific period of time, and reserves the right, its sole discretion, to discontinue any color for any reason.

THE FOREGOING LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY FOR SELLER'S PRODUCTS, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, IN LAW OR IN FACT. SELLER SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE OR PURPOSE, AND ANY IMPLIED WARRANTIES ARISING OUT OF COURSE OF DEALING OR PERFORMANCE OR TRADE USAGE. SELLER SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, SPECIAL, OR PUNITIVE DAMAGES, OR ANY LOSS OF REVENUE, PROFIT OR USE, ARISING OUT OF A BREACH OF THIS WARRANTY OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, OPERATION OR REPAIR OF ANY PRODUCT. IN NO EVENT WILL SELLER BE LIABLE FOR ANY AMOUNT GREATER THAN THE PURCHASE PRICE OF A DEFECTIVE PRODUCT

Prices are subject to change without notice and are exclusive of installation, surfacing, transportation, insurance, taxes, license fees, customs fees, duties, premiums, fees, and other charges.



878 E Highway 60 / Monett, Missouri, USA 65708 / Miracle-Recreation.com
USA 888-458-2752 CANADA 866-516-0245 INTERNATIONAL +1 417-235-6917



P.O. Box 130

Holly, MI 48442

800.722.8546

www.miraclemidwest.com



AIA[®] Document A310[™] – 2010

Bid Bond

CONTRACTOR:

(Name, legal status and address)

MIRACLE RECREATION EQUIPMENT CO.
878 E. US Highway 60
Monett, MO 65708

SURETY:

(Name, legal status and principal place of business)

ATLANTIC SPECIALTY INSURANCE COMPANY
605 Highway 169 North
Plymouth, MN 55441

OWNER:

(Name, legal status and address)

CITY OF YPSILANTI

1 South Huron Street, Ypsilanti, MI 48197

BOND AMOUNT: Five Percent of Amount bid
(5% of Amount Bid)

PROJECT:

(Name, location or address, and Project number, if any)

City of Ypsilanti Candy Cane Playground

Project Number, if any:

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

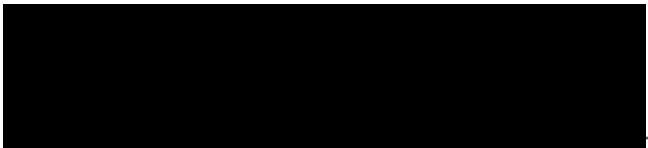
Signed and sealed this 5th day of March, 2020

ACKNOWLEDGEMENT BY SURETY

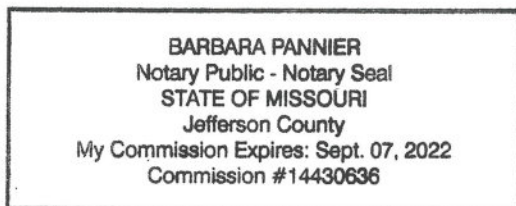
STATE OF MISSOURI
COUNTY OF ST. LOUIS CITY

On this 5th day of March, 2020, before me, Barbara Pannier, a Notary Public, within and for said County and State, personally appeared Jennifer Williams to me personally known to be the Attorney-in-Fact of and for Atlantic Specialty Insurance Company and acknowledged that s/he executed the said instrument as the free act and deed of said Company.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in the aforesaid County, the day and year in this certificate first above written.



Notary Public in the State of Missouri
County of St. Louis City



Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: **Susan A. Welsh, Ann Mullins, Sandra M. Winsted, Christopher P. Troha, Michelle D. Krebs, Salena Wood, Sandra M. Nowak, Jennifer Williams, Christina L. Sandoval, Derek J. Elston, Bartlomiej Siepierski, Aerie Walton, Barbara Pannier**, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **sixty million dollars (\$60,000,000)** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognizance or other written obligation in the nature thereof, and any such signature and seal where so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this twenty-ninth day of April, 2019.

STATE OF MINNESOTA
HENNEPIN COUNTY

On this twenty-ninth day of April, 2019, before me personally known to be the individual and officer described in the foregoing, duly sworn, that he is the said officer of the Company aforesaid, and his signature as such officer was duly affixed and subscribed to the



I, the undersigned, Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, do hereby certify that the foregoing is a true and correct copy of the original and has not been revoked, and the resolutions set forth above are true and correct.
Signed and sealed. Dated 5th day of March

This Power of Attorney expires
January 31, 2023



SINCLAIR RECREATION, LLC

128 EAST LAKEWOOD • SUITE 40 • HOLLAND, MI 49424 • P.O. BOX 1409 • HOLLAND, MI 49422-1409
PHONE: (800) 444-4954 • FAX: (616) 392-8634 • WEBSITE: www.sinclair-rec.com

City of Ypsilanti

Playground Proposal – Candy Cane Park

STATEMENT OF QUALIFICATIONS

Sinclair Recreation, LLC

128 E. Lakewood Blvd. Suite 40
Holland, MI 49424

Toll Free: 800-444-4954
Local: 616-392-7441
Fax: 616-392-8634
Federal ID: 38-359-0321

Richard Sinclair – 25 years of experience
Diane Sinclair – 28 years of experience
Type of Ownership: WBE (Woman's Business)
Sinclair Recreation was started in 2003



Website: www.sinclair-rec.com
GameTime: www.gametime.com
Facebook: www.facebook.com search: Sinclair Recreation LLC to see references
Diane Sinclair: diane@sinclair-rec.com
Richard Sinclair: rich@sinclair-rec.com

Diane and Richard Sinclair started Sinclair Recreation April 1st of 2003 after working for the local GameTime Representative for a combined 53 years. Sinclair Recreation is a full-service representative agency, specializing in the design, sale, installation and customer service of GameTime playground equipment.

Sinclair Recreation's special area of expertise is in large accessible designed structures and Community Build Installations. We have completed an estimated 250 supervisions since founding of the company in 2003

GameTime is a leader in product and technology innovation and has been committed to enriching childhood through play since 1929. With 400,000 square foot facility on 81 acres, GameTime is well equipped to handle orders of any size. GameTime does all the metal fabrication, rotationally molded plastic and powder coating in-house for great quality control. GameTime's Computerized factory drilling, direct-bolt connections and factory placed inserts make installation and maintenance simple and easy to understand. These direct bolt connections eliminate possible errors that may occur while installing GameTime equipment. All the liability for correct placement of parts is put on GameTime, exactly where it belongs.



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PHONE: (800) 444-4954 • FAX: (616) 392-8634 • WEBSITE: www.sinclair-rec.com

Please see the attached sheet on GameTime's compliance. GameTime is compliant with the following:

American Society for Testing and Materials (ASTM)
Consumer Product Safety Commission (CPSC)
ISO 14001 Certified, known as green certification (LEED)
IPEMA Equipment Certification
IPEMA Surfacing Certification
ADA
ISO 9001:2008
TUV

GameTime has earned \$51 Million Dollars in product liability insurance – the most in the industry. See attached certificate.

Our Project Team

1. Diane Sinclair, President of Sinclair Recreation. Diane has 28 years of experience designing and selling GameTime playground equipment. She will be the point person for bid follow up questions regarding design, pricing, and bid documentation. She has been NPSI certified for the past 20 years, has been trained in Universally Accessible Playground Design by Boundless Playgrounds, GameTime, and PlayCore. Diane is authorized to represent Sinclair Recreation during negotiations and can sign contracts.
2. Richard Sinclair, Vice President of Sinclair Recreation. Rich has 25 years of experience in the playground industry. He will be your contact person for the coordination of all aspects of your playground construction. He will oversee coordination of dates, schedules, scheduling the installation process and being on site when necessary. Rich will meet with you and your committee for all designs and input sessions. Rich is also the sales representative for Northern Michigan and is responsible for site visits in his territory. Rich is authorized to represent Sinclair Recreation during negotiations and can sign contracts.
3. Sarah Sahtoe, CAD Design, Pricing, and Customer Service for Sinclair Recreation. She has been with GameTime for 20 years and will be your person in the office that will handle any additional product questions, concerns, or warranty claims. She will have complete knowledge of all aspects of the project and can coordinate any special requests or design changes.
4. Teresa Huxhold, Accounting Manager for Sinclair Recreation. Teresa has been in the playground industry for 27 years. She will oversee your invoices, insurance requests, and partial billing.



SINCLAIR RECREATION, LLC

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PHONE: (800) 444-4954 • FAX: (616) 392-8634 • WEBSITE: www.sinclair-rec.com

5. Alison Wiegerink, Order Entry for Sinclair Recreation. Alison has been with Sinclair Recreation for 3 years. She is responsible for entering your order, confirming your colors, and coordinating the location of deliveries.
6. Scott Bareman, Customer Service and Rendering Associate for Sinclair Recreation. Scott provides customer service and renderings for bids and direct sales. Scott was brought on board to generate the 3-D renderings included in our bid. He will be able to provide a rendering of your custom playground in different color combinations, showing you all sides of the plans before purchase.
7. Vanessa Gutierrez, Office Administrative Assistant for Sinclair Recreation. Vanessa is responsible for answering the phones, customer service, sending out bid proposals, and various office duties.
8. Jamie Stockton, Project Manager and Administrative Assistant for Sinclair Recreation. Jamie is responsible for scheduling installation of projects, safety surfacing and equipment deliveries. Jamie also provides project management for large installation projects and coordinates with contractors and architects.
9. Matt Campanella, Sales representative for Eastern Michigan. Matt has been with Sinclair Recreation for over 13 years. Based out of Farmington Hills Matt is responsible for sales, services, site visits and projects in Eastern Michigan.
10. Jeff Branham began his career with Sinclair Recreation in 2013. Jeff came to the playground industry from a previous background in landscape design. He is a certified playground inspector and proudly represents the GameTime brand in central and southern Indiana, including the cities of Indianapolis, Evansville, Terre Haute and Bloomington.
11. Jeremy Bosman, Sales representative for Western Michigan. Jeremy comes to Sinclair Recreation from Haworth where he was a project manager and oversaw the logistics of getting office furniture to the customer on time. Jeremy is excited about this new chapter in his life and is looking forward to building lots of playgrounds for his young children to play on!
12. Rocki Stillson, Sales representative for Northern Indiana. Rocki is responsible for sales, site visits, and service in Northern Indiana.



SINCLAIR RECREATION, LLC

128 EAST LAKEWOOD • SUITE 40 • HOLLAND, MI 49424 • P.O. BOX 1409 • HOLLAND, MI 49422-1409
PHONE: (800) 444-4954 • FAX: (616) 392-8634 • WEBSITE: www.sinclair-rec.com

Trombley Park (2018)

Owner: City of Warren

Location: 14700 Alvin Ave., Warren, MI 48089

Approximate Cost: \$43,000.00

Contact: Henry Bowman

Email: hbowman@cityofwarren.org

Trombley park features a custom play structure which features a net walk and interactive panels. Trombley Park has a new swing set that features an expression swing with a toddler seat and a zero-G chair.





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Riverside Park (2018)



Owner: City of Ypsilanti

Location: 2 E. Cross St., Ypsilanti, MI 48198

Approximate Cost: \$95,000.00 – equipment only

Contact: Joe Meyers

Email: jmeyers@cityofypsilanti.com

Riverside Park features a bright and colorful playground with an ADA accessible structure, shadow play panels and music elements. A fun attraction at this playground is the rock in raft which is also ADA accessible.





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Dort Park (2018)

Owner: Lear Corporation

Location: 560 E Hamilton Ave., Flint, MI 48506

Approximate Cost: \$145,000

Contact: William Schoewe

Email: wschoewe@lear.com

Dort Park features a PowerScape Ionix hybrid unit, a shelter, site amenities, and grills to complete the park. The brightly colored structure also has Poured-In-Place safety surfacing (PIP) in standard blue. The Ionix portion of this playground features multiple net and climbing elements.





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Walnut Hills Elementary Schools (2018)

Owner: Greenville Public Schools

Location: 712 N. Walnut St. Greenville, MI 48838

Approximate Cost: \$169,000

Contact: Scott Christensen

Email: christes@greenvillek12.mi.us

Walnut Hills Elementary School features a 5-12-year-old and a 2-5-year-old area. Featured below is the 5-12-year-old area with a large net structure, upper body components, spinning elements and swings. Walnut Hills features a hillside slide with a tug rope with Poured-in-place rubber safety surfacing.





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Cedar Crest Elementary (2018)

Owner: Greenville Public Schools

Location: 622 S. Cedar St. Greenville, MI 48838

Approximate Cost: \$180,000

Contact: Scott Christensen

Email: christes@greenvillek12.mi.us

Cedar Crest Elementary was part of the same project as Walnut Hills Elementary Schools during the summer of 2018. This school features a 5-12-year old and a 2-5-year old area complete with new swings for each age group. The 5-12-year old area also features a winkle-wall structure that promotes upper body and positive risk taking.





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Pinewood Park (2013)

Owner: City of Kentwood Parks and Recreation

Location: 1999 Wolfboro Dr SE, Kentwood, MI 49508

Approximate Cost: \$250,000.00 for the structure only

Contact: Charlie Ziesmer

The City of Kentwood had a beloved wooden Leathers playground in Pinewood Park. The park was used and loved by the neighborhood and the community alike, but it was beginning to show wear and tear. On Thanksgiving 2012, someone set fire to the structure and it burned to the ground. The City of Kentwood put out an RFQ, for a Playground and Community Build Team to help design and install a new play area for Pinewood Park. After extensive interviews, Sinclair Recreation was chosen to design the new play space. The build took place over three days and included hundreds of volunteers.





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Van Riper State Park (2015)

Owner: Van Riper State Park

Location: 851 Co Rd AKE, Champion, MI

Approximate Cost: \$200,000.00

Contact: Lee Mundy

Phone Number: 906-339-4461

When Van Riper State Park needed a new playground for their very busy campground, they called Rich Sinclair and we helped design a play area to fit into the natural surroundings. This playground features timber panels and conifer tree accents with a natural color pallet.





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Frog Hollow

Owner: City of Wyoming, Frog Hollow
Location: 2050 Metro Court, Wyoming, MI 49519
Approximate Cost: \$250,000
Installed: Summer of 2004
Contact: Rebecca Rynbrandt
Phone Number: 616-530-3164

GameTime and Sinclair Recreation was chosen to be a part of this project after presenting to a group of various professionals. There were individuals with various disabilities, including seeing impaired, hearing impaired and those in wheelchairs. We used various presentation techniques, including Braille, samples they could touch and hold, bright pictures and video. Diane Sinclair joined the playground committee and met once a month for over a year with the Parks and Recreation Department, Metro Health professionals, accessibility advocates and citizens of Wyoming to discuss and plan the playground.





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Patriarche Park

Owner: City of East Lansing and Rotary Club of Lansing

Location: 906 Alton Road, East Lansing, MI 48823

Approximate Cost: \$350,000.00

Contact: Wendy Wilmers Longpre, 517-319-6940





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Capacity:

Sinclair Recreation has access to three full time playground installation crews, one of which we own and can completely dictate their schedule. We have the time, resources and ability to have your playground installed during your requested time frame. We would estimate the actual installation time to take about 2 weeks, depending on the weather and site conditions. After award of the project, we will work with you to put together a project schedule so both parties know what to expect.



City of Ypsilanti
Candy Cane Park
Michigan
Representative
Sinclair

Minimum Area Required:

Scale: 1" = 5'-0"

This drawing can be scaled only when in an 18" x 24" format

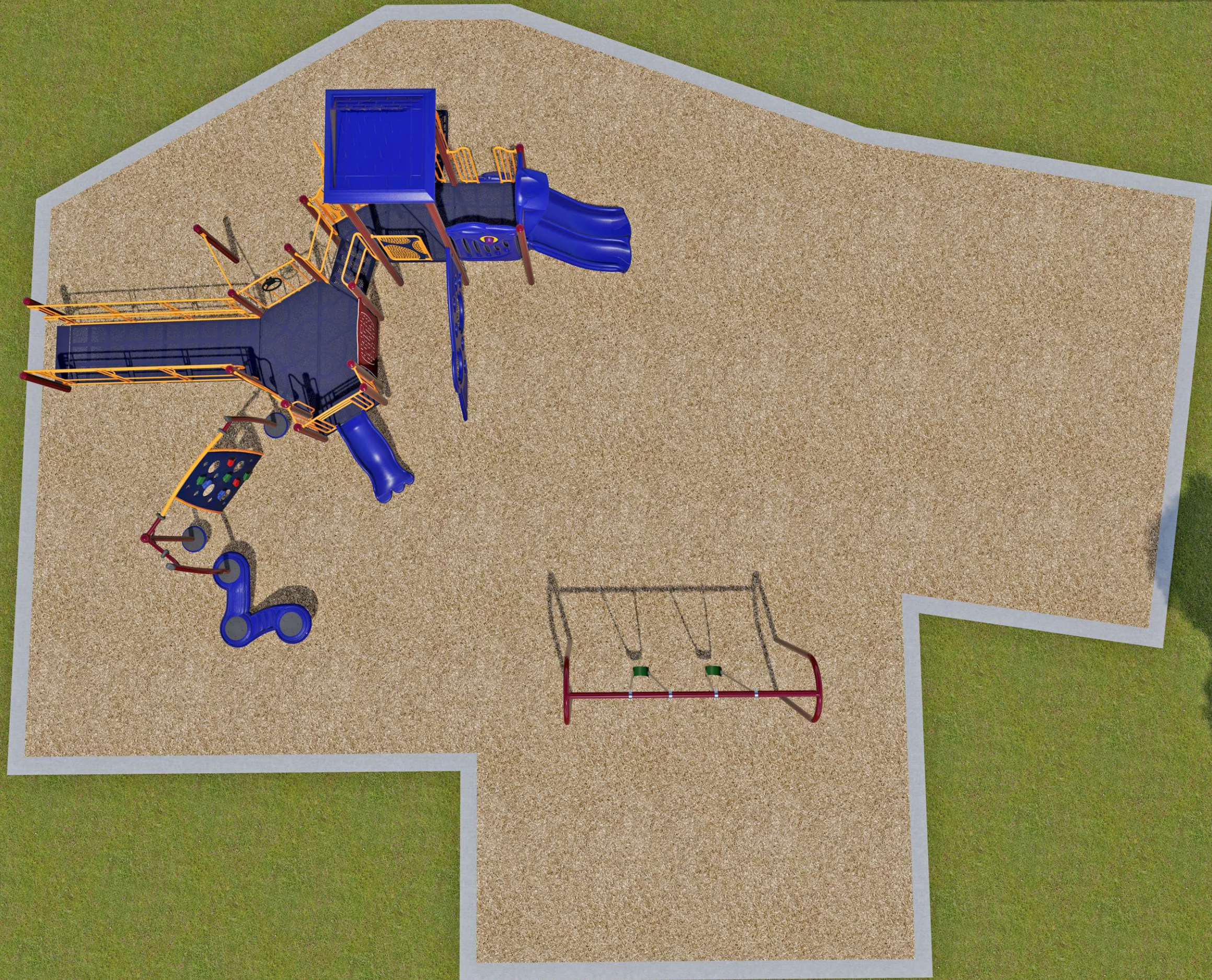
Drawn By:	SS
Date:	03/16/2020
Drawing Name:	Ysilianti-Candy Cane 2020 2





Rendered in Jellybean Palette

City of Ypsilanti
Candy Cane Park 2020



Rendered in Jellybean Palette

PROPOSAL FORM

Owner: City of Ypsilanti, a Michigan home rule city
One S. Huron Street
Ypsilanti, MI 48197

Firm Name: Sinclair Recreation (herein called "Bidder")

* a corporation organized and existing laws of the State of Michigan

* a partnership consisting of _____

* an individual trading as _____

By: Diane Sinclair

Title: President

Date: 3-16-2020

Pursuant to and in compliance with the Specifications dated February 17, 2020 and all Addenda as prepared by the Owner, we the undersigned, propose to furnish all labor, materials, equipment, and all things necessary to perform all the work associated with:

CITY OF YPSILANTI CANDY CANE PLAYGROUND

The undersigned as bidder declares that he/she has familiarized himself with the location of the proposed work and the conditions under which it must be performed, as well as the drawing and specifications which the undersigned acknowledges that he understands and accepts as adequate.

I. PROPOSAL (BASED BID):

The undersigned agrees to enter into an agreement with the Owner to complete the General Contract for the total price of:

Seventy five Thousand dollars and 00/100----- Dollars (use words)
\$75,000.00 (Use numbers)

II. COST BREAKDOWN

- a. Play equipment: \$33,886.00
- b. Fall surfacing, concrete edging, geotextile: \$11,150.00
- c. Labor: \$29,170.00
- d. Other: \$794.00

III. MATERIAL BRAND OR TYPE (Attached specs):

a. Play equipment :

GameTime playground Equipment

b. Fall surfacing, concrete edging, geotextile:

GTImpax by GameTime

c. Other:

IV. WARRANTIES:

1 year on installation. See attached GameTime warranty

V. PROPOSED STARTING DATE: 45 days ARO

VI. ESTIMATED COMPLETION DATE: 2 weeks after starting

VII. ATTACHMENTS:

- a. Reference list
- b. Equipment specification
- c. Any other information

Signature:

Name: Diane Sinclair

Title: President

American Institute of Architects

AIA Document A310

Bid Bond

KNOW ALL MEN BY THESE PRESENTS, that we, Sinclair Recreation, LLC., as Principal, hereinafter called the Principal, and Employers Mutual Casualty Company, duly organized under the laws of the State of Iowa, as Surety, hereinafter called the Surety, is held and firmly bound unto City of Ypsilanti, as Obligee, hereinafter called the Obligee, in the sum of Five Percent of the Amount Bid (5% of the Bid Amount), for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for: Candy Cane Playground Supply & Installation of Playground Equipment

Bid Date: March 18, 2020

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and materials furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 10th day of March, A.D. 2020



KNOW ALL MEN BY THESE PRESENTS, that:

4. Illinois EMCASCO Insurance Company, an Iowa Corporation
5. Dakota Fire Insurance Company, a North Dakota Corporation
6. EMC Property & Casualty Company, an Iowa Corporation

hereinafter referred to severally as "Company" and collectively as "Companies", each does, by these presents, make, constitute and appoint:

LAURA J. NORTHOUSE

Its true and lawful attorney-in-fact, with full power and authority conferred to sign, seal, and execute the Bid Bond

In an amount not exceeding Ten Million Dollars	\$10,000,000.00
--	-----------------

and to bind each Company thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of each such Company, and all of the acts of said attorney pursuant to the authority hereby given are hereby ratified and confirmed.

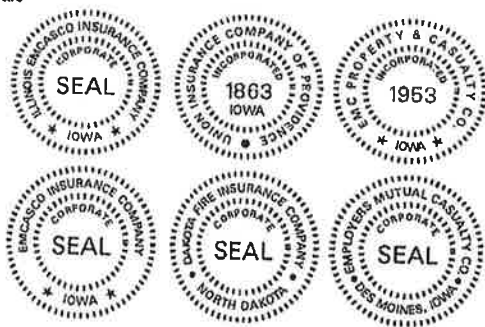
AUTHORITY FOR POWER OF ATTORNEY

This Power-of-Attorney is made and executed pursuant to and by the authority of the following resolution of the Boards of Directors of each of the Companies at the first regularly scheduled meeting of each company duly called and held in 1999:

RESOLVED: The President and Chief Executive Officer, any Vice President, the Treasurer and the Secretary of Employers Mutual Casualty Company shall have power and authority to (1) appoint attorneys-in-fact and authorize them to execute on behalf of each Company and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof; and (2) to remove any such attorney-in-fact at any time and revoke the power and authority given to him or her. Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power-of-attorney issued to them, to execute and deliver on behalf of the Company, and to attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and any other documents, instruments, writings or records which may be required or necessary in the conduct of the Company. Certification as to the validity of any power-of-attorney so issued shall be a part of the power-of-attorney and shall be filed with the Secretary of the Company. The facsimile or mechanically reproduced copy of any power-of-attorney of the Company, shall be

IN WITNESS WHEREOF, the Companies have caused these presents to be signed by their duly authorized officers and persons acting in their authorized capacity, and the same to be attested by the undersigned officers and persons acting in their authorized capacity, on the 1st day of July, 2018.

Seals



CERTIFICATE

I, James D. Clough, Vice President of the Companies, do hereby certify that the foregoing resolution of the Boards of Directors by each of the Companies, and this Power of Attorney issued pursuant thereto on 1st day of July, 2018, are true and correct and are still in full force and effect.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this 10th day of March, 2020.

Vice President



GameTime c/o Sinclair Recreation
PO Box 1409
Holland, MI 49422-1409
Ph: 800-444-4954
Fax: 616-392-8634

03/12/2020
Quote #60421-01-02

City of Ypsilanti - Candy Cane Park

CITY OF YPSILANTI
Attn: Christopher Jacobs
1 S HURON ST
YPSILANTI, MI 48197-5420
cjacobs@cityofypsilanti.com

Ship to Zip 48197

Quantity	Part #	Description	Unit Price	Amount
1	RDU	GameTime - Custom Ramped Play Structure	\$47,989.00	\$47,989.00
		(3) 26094 -- Triangular Shroud		
		(1) 90466 -- Maze Panel, Above Dk		
		(1) 90478 -- Rung Encl Mold S. Whl & Gr, Above Dk		
		(1) 91209 -- Climber Entryway - Barrier		
		(1) 90592 -- Ridge Climber (Single)		
		(1) 4842 -- Echo Chamber Ass'Y		
		(1) 90430 -- Decorative Panel W/Gizmo, Above Dk		
		(1) 91335 -- Climber Offset Entryway (3D)		
		(1) 90058 -- 6' Cosmix Climber		
		(1) 90508 -- 4' Double Zip Slide, Std Dk		
		(1) 16700 -- Ada49"Sq Punch Steel Deck		
		(1) 80687 -- Handhold/Kick Plate Pkg		
		(1) 90530 -- 2'2"-6" Little Foot Slide W/Encl		
		(1) 16465 -- Slide Transfer (Ada)		
		(1) 81656 -- 1-Level Chin Bar		
		(1) 36076 -- Stratus Climber		
		(1) 36022 -- 90 Deg 2 Way X-Pod Step		
		(1) 36013 -- Rock Wall Link		
		(1) 36020 -- Single Upright Support W/Step		
		(1) 16806 -- Ada 6"Stepped Platform		
		(1) 80187 -- Shingle Roof		
		(1) 90033 -- 4' Transfer Platform W/Guardrail		
		(1) 91010 -- Archway W/ Socket (3D)		
		(1) 90243 -- 3' & 3'-6" Chain Link Climber		
		(1) 91145 -- Low Point Entryway - Guardrail		
		(1) 90026 -- 2'-0" Transfer System W/ Guardrail		
		(1) 16701 -- Ada 49"Tri Punch Steel Dk		
		(1) 90673 -- Ramp (Guardrail)		
		(1) 90005 -- Two Piece Hex Deck, Ada Ramp Access		
		(3) G90265 -- 7' Upright, Galv		
		(2) 90264 -- 6' Upright, Alum		
		(1) 90267 -- 9' Upright, Alum		



A PLAYCORE Company

GameTime c/o Sinclair Recreation
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Fax: 616-392-8634

03/12/2020
Quote #60421-01-02

City of Ypsilanti - Candy Cane Park

Quantity	Part #	Description	Unit Price	Amount
		(2) 90266 -- 8' Upright, Alum		
		(4) 90272 -- 14' Upright, Alum		
		(2) G90262 -- 4' Upright, Galv		
		(2) G90266 -- 8' Upright, Galv		
		(2) 90268 -- 10' Upright, Alum		
1	RDU	GameTime - One Bay Primetime Swing and Seat Packages	\$1,831.00	\$1,831.00
		(2) SS8910 -- Belt Seat 3 1/2" /8' W/Clevis		
		(1) 12583 -- Ada Primetime Swing Frame, 3 1/2" Od		
2810	GTIMPX	GT-Impax - SF 12" Engineered Wood Fiber	\$1.20	\$3,372.00
2	161290	GameTime - Geo-Textile 2250 Sqft Roll	\$681.00	\$1,362.00
1	INSTALL	Installation - Installation of New Equipment, EWF, Felt, Excavation, Removal of Old, and Concrete Mow Strip	\$36,633.00	\$36,633.00
			Sub Total	\$91,187.00
			Grant	(\$19,559.51)
			Freight	\$3,372.51
			Total	\$75,000.00

This quotation is subject to policies in the current GameTime Playground Catalog and the following terms and conditions. Our quotation is based on shipment of all items at one time to a single destination, unless noted, and changes are subject to price adjustment. Purchases to be supported by your written purchase order made out to GAMETIME C/O SINCLAIR RECREATION.

NOTE: PRICING DOES NOT INCLUDE ANY DAVIS BACON OR PREVAILING WAGE RATES UNLESS SPECIFICALLY IDENTIFIED ABOVE IN QUOTE.

Pricing: f.o.b. factory, firm for 30 days from date of quotation unless otherwise noted on quotation. Sales tax will be added at time of invoicing unless a tax exemption certificate is provided at time of order entry.

Payment terms: Net 30 days for tax supported governmental agencies. A 1.5% per month finance charge will be imposed on all past due accounts. Equipment shall be invoiced separately from other services and shall be payable in advance of those services and project completion. Retainage not accepted.

Shipment: Order shall ship within 30-45 days after GameTime's receipt and acceptance of your purchase order, color selections, approved submittals, and receipt of deposit, if required.

NOTE: To qualify for the GameTime Grant, you must complete the application form for pre-approval. Upon approval, a Partial Matching Grant (reflected in the pricing shown above) is good toward the purchase of a new Powerscape, PrimeTime, XScape or Ionix Structure only. The order MUST be received no later than October 30, to allow for processing, and your order will ship within 3-5 weeks from date of order placement. The Grant does not apply toward Freight, Freestanding Items, Surfacing or Installation. Terms will be Net 30 days.



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03/12/2020
Quote #60421-01-02

City of Ypsilanti - Candy Cane Park

Installation: Shall be by a Certified GameTime Installer. Customer shall be responsible for scheduling coordination and site preparation. Site should be level and permit installation equipment access. Purchaser shall be responsible for unknown conditions such as buried utilities, tree stumps, bedrock or any concealed materials or conditions that may result in additional labor or material costs. Payment terms for installation is Net 10 Days.

NOTE: PRICING **DOES NOT** INCLUDE ANY DAVIS BACON OR PREVAILING WAGE RATES UNLESS SPECIFICALLY IDENTIFIED ABOVE IN QUOTE. THERE WILL BE A BACKCHARGE FOR THE INSTALLATION TO BE DONE THROUGH FELT, PEASTONE, SURFACING, OR WOODCHIPS, UNLESS SPECIFICALLY LISTED IN ABOVE QUOTE.

Exclusions: Unless specifically included, this quotation excludes all site work and landscaping; removal of existing equipment; acceptance of equipment and off-loading; storage of goods prior to installation; equipment assembly and installation; safety surfacing; borders and drainage provisions.

Acceptance of quotation

Proposed By Diane Sinc

Accepted By (printed):

Please make P.O.s out to GameTime C/O Sinclair Recreation

Signature: _____

Title: _____

Date: _____

Facsimile: _____

Phone _____

Email: _____

Purchase Amount: \$75,000.00

REQUIRED ORDER INFORMATION:

Bill To: _____

Ship To: _____

Contact: _____

Contact: _____

Address: _____

Address: _____

Address: _____

Address: _____

City, State, Zip: _____

City, State, Zip: _____

Tel: _____

Tel: _____

(For Accounts Payable)

(To call before delivery)

Email: _____

Email: _____

COLOR SELECTIONS: _____

SALES TAX EXEMPTION CERTIFICATE #: _____ (PLEASE PROVIDE A COPY OF CERTIFICATE)

NOTE: PRICING DOES NOT INCLUDE ANY DAVIS BACON OR PREVAILING WAGE RATES UNLESS SPECIFICALLY IDENTIFIED ABOVE IN QUOTE. IF INSTALLATION IS BEING QUOTED, THERE WILL BE A BACKCHARGE FOR THE INSTALLATION TO BE DONE THROUGH FELT, PEASTONE, SURFACING, OR WOODCHIPS. PRICING VALID FOR 30 DAYS FROM THE DATE OF QUOTATION UNLESS OTHERWISE NOTED.