

Canyon's Cross

Equipment Manufacturer



350-1705

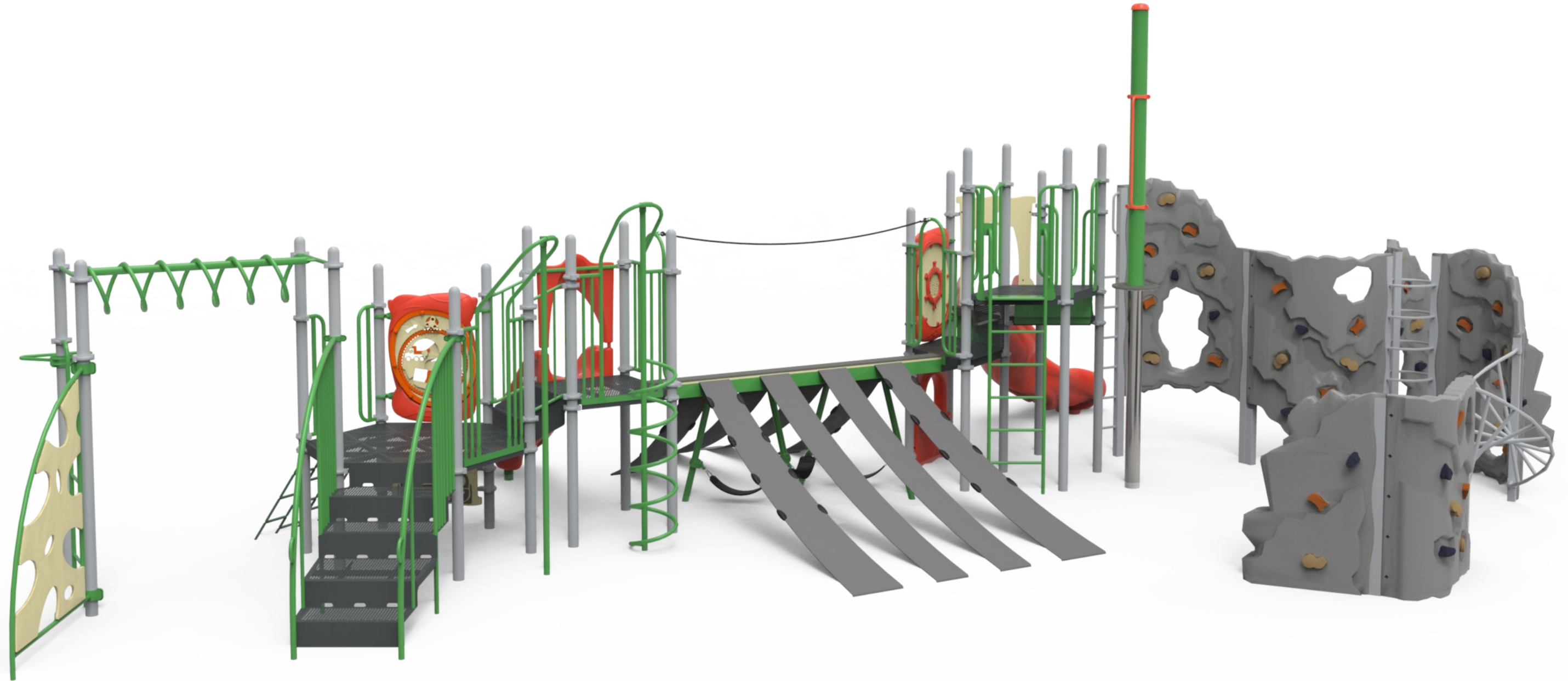


Canyon's Cross

Equipment Manufacturer



350-1705





PLAYWORLD SYSTEMS, INC.

1000 Buffalo Road
Lewisburg, PA
17837-9795 USA

EQUIPMENT SIZE:

49'4" x 25'0" x 14'9"

15,04M x 7,62M x 4,5M

USE ZONE:

61'7" x 37'2"

18,77M x 11,33M

AREA:

1696 SqFt.

157,56 SqM.

PERIMETER:

161 Ft.

49,07M

FALL HEIGHT:

8 Ft.

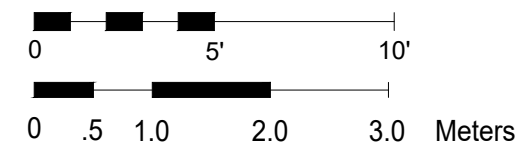
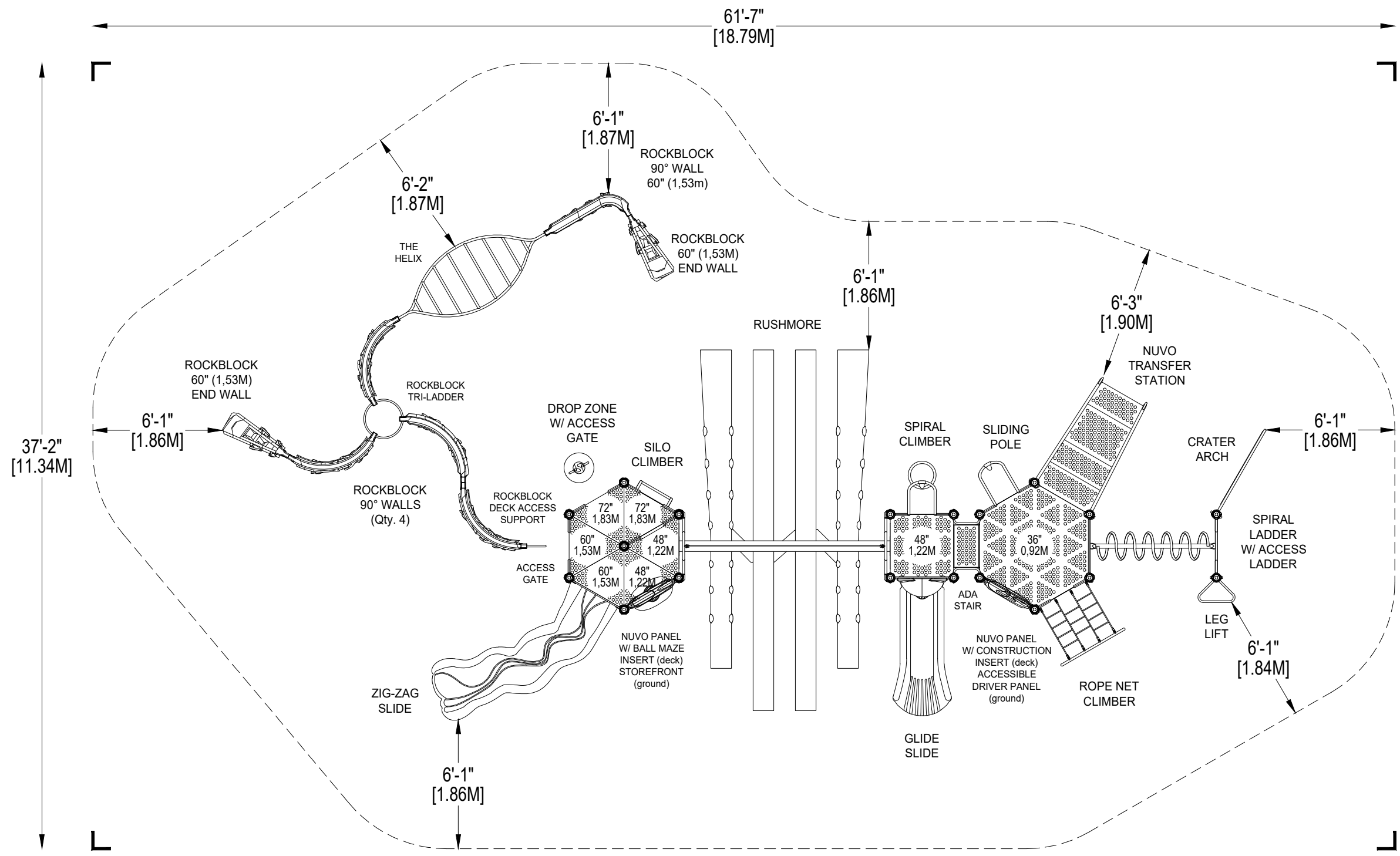
2,44M

USER CAPACITY:

88

AGE GROUP:

5-12



*PLAYGROUND SUPERVISION REQUIRED

CANYON'S CROSS

CATALOG PRE-DESIGN

ADA SCHEDULE	Total Elevated Play Activities: 13		
	Total Ground-Level Play Activities: 5		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	7	4	3
Provided	8	5	4

- ✓ ASTM F1487-17
- ✓ CPSC #325



PROJECT NO: 350-1705A	SCALE: 3/16"=1'-0"
DRAWN BY: M. MERTZ	Paper Size B
DATE: 20-DEC-17	



PLAYWORLD SYSTEMS, INC.

1000 Buffalo Road
Lewisburg, PA
17837-9795 USA

EQUIPMENT SIZE:

49'4" x 25'0" x 14'9"

15,04M x 7,62M x 4,5M

USE ZONE:

61'7" x 37'2"

18,77M x 11,33M

AREA:

1696 SqFt.

157,56 SqM.

PERIMETER:

161 Ft.

49,07M

FALL HEIGHT:

8 Ft.

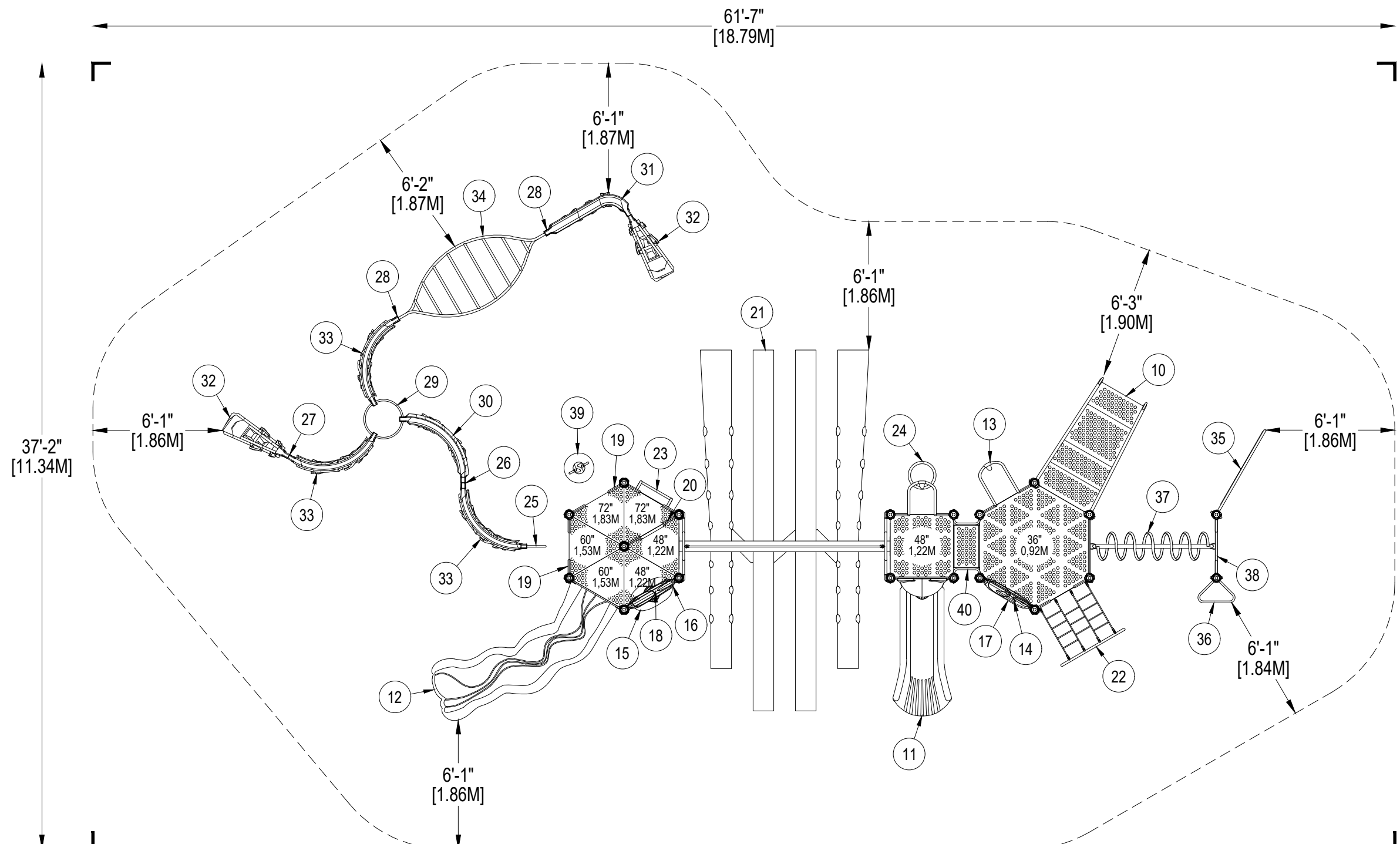
2,44M

USER CAPACITY:

88

AGE GROUP:

5-12



*PLAYGROUND SUPERVISION REQUIRED

ADA SCHEDULE	Total Elevated Play Activities: 13		
	Total Ground-Level Play Activities: 5		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	7	4	3
Provided	8	5	4

✓ ASTM F1487-17

✓ CPSC #325



PROJECT NO:

350-1705A

SCALE:

3/16"=1'-0"

DRAWN BY:

M. MERTZ

Paper Size

B

DATE:

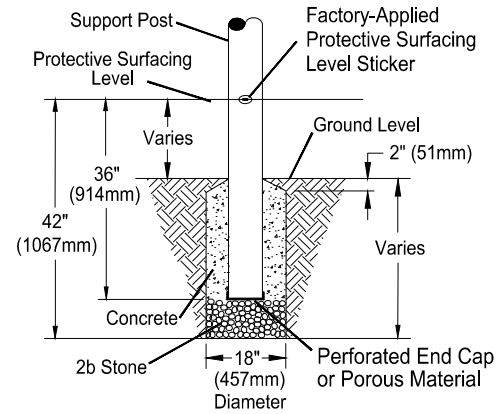
20-DEC-17

CANYON'S CROSS

CATALOG PRE-DESIGN

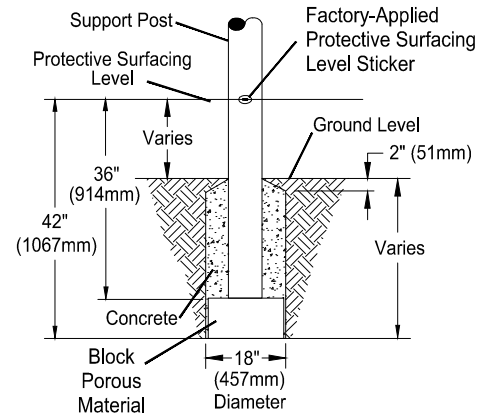
DETAIL 1

Support Post, Spiral Slide and RockBlocks Post Footing Detail



STONE OPTION

OR



BLOCK OPTION

DETAIL 2

GroundZero, Cantilever and "T" Post Footing Detail



STONE OPTION

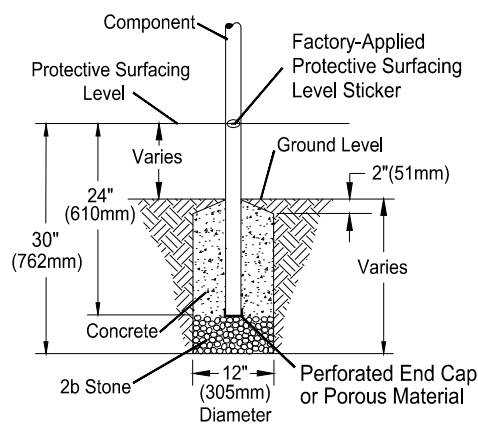
OR



BLOCK OPTION

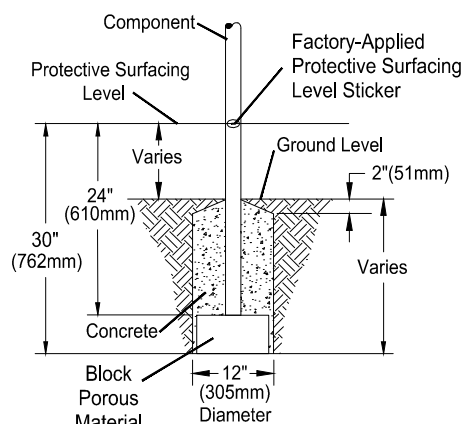
DETAIL 3

Component Footing Detail



STONE OPTION

OR



BLOCK OPTION

DETAIL 4

Surface Mount Detail



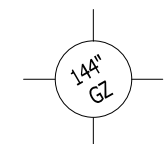
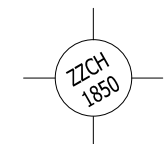
INSTALLATION NOTES:

- 1) Paved surfaces, such as asphalt and concrete, are not acceptable for use under your structure.
- 2) It is the consumer's responsibility to check with local utilities prior to excavating footings for any underground utility lines that may exist within the installation area.
- 3) It is the consumer's responsibility to check local soil conditions and drainage within the site area. Inquire with local contractors for appropriate recommendations.
- 4) If the structure is to be installed across uneven terrain, maintain the support post mark for protective surfacing level at the lowest grade. Adjust other footings accordingly.
- 5) The base of footings must be below frost lines.
- 6) Do not encase the bottom of support posts in concrete. Place all posts directly on packed stone.
- 7) Assemble the entire structure before pouring concrete unless specifically instructed to do so in the individual component installation instructions.
- 8) Read completely the installation instructions provided with your structure prior to beginning construction.

SITE NOTES:

- 1) The site plan provided must be checked against the actual site area to ensure that placement of your structure meets required clearances.
- 2) The dimensions labeled are for location of footing holes, not exact placement of equipment. Assemble, plumb, and level equipment before pouring concrete.
- 3) There must be a minimum distance of 6' (1830mm) between any obstacle, sidewalk, etc., and your structure.
- 4) Slides must have a use zone that extends out from the lower exit section of the slide a distance that is at least 6' (1830mm) or equal to the vertical distance from the highest point of the sliding surface to the top of the protective surfacing, whichever is greater. The slide use zone should not extend greater than 8' (2438mm) from the end of the lower exit section.
- 5) The complete area, including the space under and around the equipment, must be covered with an impact attenuating material. See the 1997 publication, "Handbook for Public Playground Safety", published by the U.S. Consumer Product Safety Commission, for guidelines and recommendations on the type and depth of surfacing material. For a copy of the "Handbook for Public Playground Safety", write to: **U.S. Consumer Product Safety Commission**, Office of Information and Public Affairs, Washington, D.C. 20207
- 6) Supervise children as they play.

FOOTING LEGEND



FOOTING DETAIL

SCALE:
NOT TO SCALE

DRAWN BY:
TECH SALES

Paper Size

DATE:
28-JUNE-13

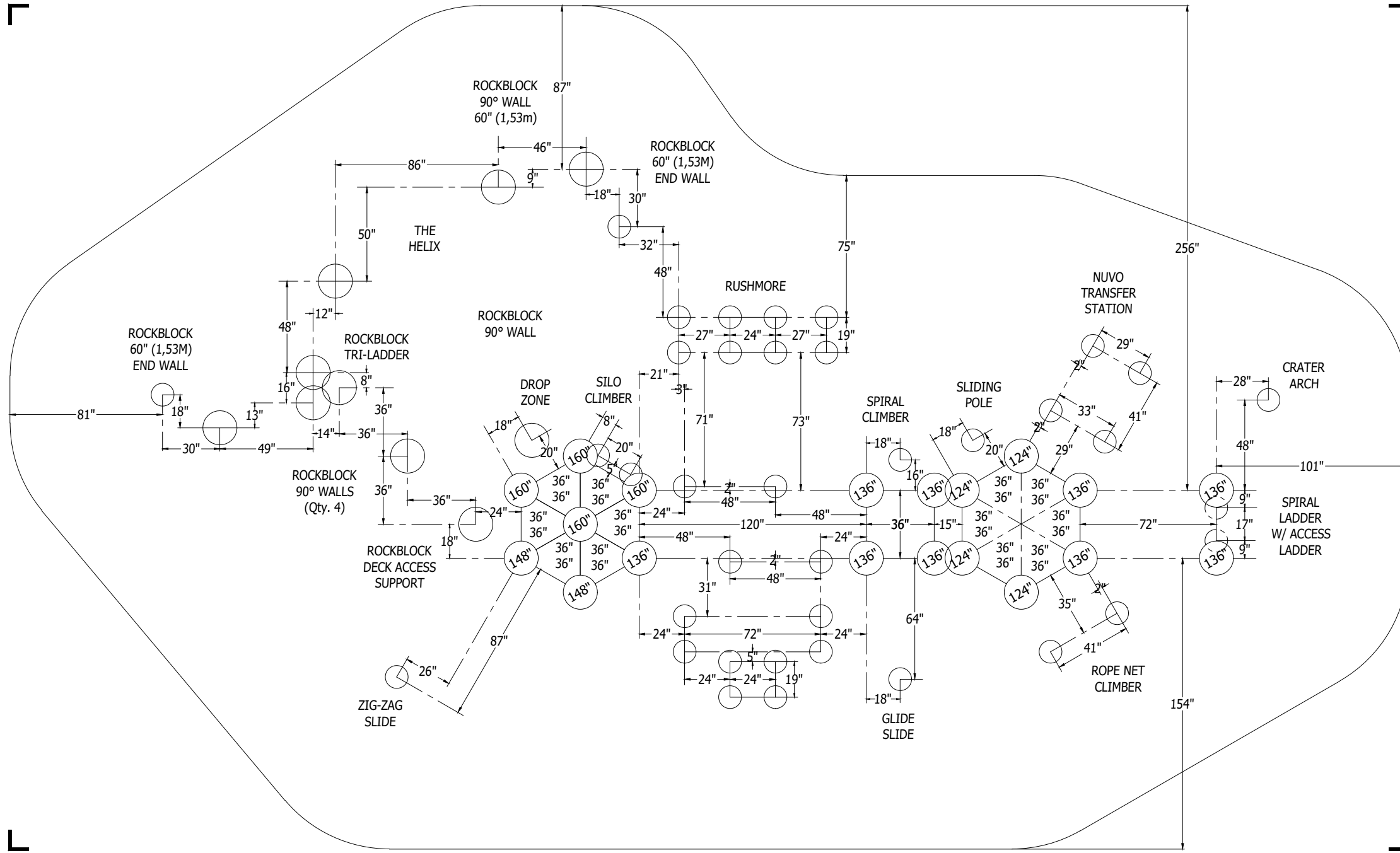
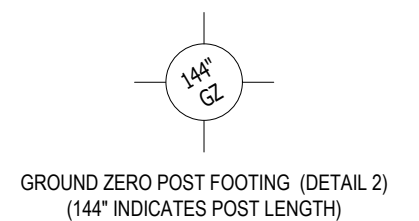
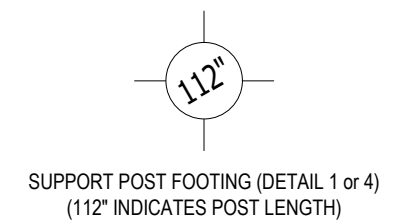
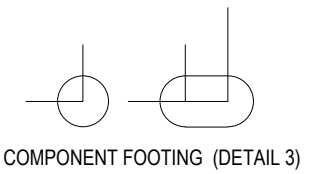
B



PLAYWORLD SYSTEMS, INC.

1000 Buffalo Road
Lewisburg, PA
17837-9795 USA

FOOTING LEGEND



CANYON'S CROSS
CATALOG PRE-DESIGN

PROJECT NO:
350-1705A

SCALE:
3/16"=1'-0"

DRAWN BY:
M. MERTZ

Paper Size

DATE:
20-DEC-17

B

*PLAYGROUND SUPERVISION REQUIRED

Canyons Cross

Design Number: 350-1705A - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZCH0018	3.5in OD x 124in STEEL POST W/RIVETED CAP	4
2	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	9
3	ZZCH0038	3.5in OD x 148in STEEL POST W/ RIVETED CAP	2
4	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	4
Decks & Kick Plates			
5	ZZCH0616	SQUARE COATED DECK ASSEMBLY	1
6	ZZCH0617	TRIANGULAR COATED DECK ASSEMBLY	6
7	zzCH0619	FULL HEX COATED DECK ASSEMBLY	1
8	ZZCH2530	12in DECK TO DECK KICK PLATE	2
9	ZZUN2290	COATED DECK TO DECK CONNECTION KIT	3
ADA Items			
10	ZZCH0679	NUVO- 36in TRANSFER STATION	1
Slides			
11	ZZCH3126	GLIDE SLIDE (48in DECK)	1
12	ZZCH3236	ZIGZAG SLIDE (60in DECK)	1
13	ZZCH8060	SLIDING POLE (36in DECK)	1
Activity Panels			
14	ZZCH4406	ACCESSIBLE DRIVING PANEL	1
15	ZZCH4646	STORE FRONT PANEL	1
16	ZZCH4836	NUVO ACTIVITY PANEL	2
17	ZZUN4857	NUVO - CONSTRUCTION PANEL INSERT	1
18	ZZUN4869	NUVO - BALL MAZE PANEL INSERT	1
Barriers			
19	ZZCH4288	ACCESS GATE	2
Climbers			
20	ZZCH6190	24in DECK TO DECK CLIMBER	1
21	ZZCH7066	RUSHMORE	1
22	ZZCH7226	ROPE CLIMBER (36in DECK)	1
23	ZZCH7957	SILO CLIMBER (72in DECK)	1
24	ZZCH8150	SPIRAL CLIMBER (48in DECK)	1
25	ZZUN0168	ROCKBLOCKS DECK ACCESS SUPPORT (60in - 72in DECK)	1
26	ZZUN0169	ROCKBLOCKS Z SUPPORT (RAISED 60in WALL)	1
27	ZZUN0176	ROCKBLOCKS Z SUPPORT (60in WALL)	2
28	ZZUN0178	ROCKBLOCKS END SUPPORT (60in WALL)	2
29	ZZUN8356	ROCKBLOCKS TRI LADDER (84in WALL)	1
30	ZZUN8358	ROCKBLOCKS 90 DEGREE WALL (84in to 60in)	1
31	ZZUN8359	ROCKBLOCKS 90 DEGREE WALL (60in)	1
32	ZZUN8360	ROCKBLOCKS END WALL (60in)	2
33	ZZUN8370	ROCKBLOCKS 90 DEGREE WALL (84in TO 60in) RIGHT	3
34	ZZUN8417	THE HELIX (60in & 84in WALL)	1
Ground Zer0 Climbers			
35	ZZCH8457	THE CRATER ARCH	1



Canyons Cross

Design Number: 350-1705A - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Overhead Events			
36	ZZCH5770	LEG LIFT	1
37	ZZCH5880	6ft HORIZONTAL SPIRAL LADDER	1
38	ZZCH5970	OVERHEAD EVENT ACCESS LADDER (36in DECK)	1
Balance			
39	ZZUN7027	DROP ZONE (72in DECK)	1
Stairs and Ladders			
40	ZZCH9168	12in ACCESS STEPPED PLATFORM (DECK TO DECK)	1
Additional Tool & Maintenance Kits			
41	ZZCHGUID	CHALLENGER GUIDELINES	1
42	ZZUN9910	SURFACING WARNING LABEL KIT	1
43	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1



Canyons Cross

Design Number: 350-1705A - Compliance and Technical Data

Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	Post-Consumer Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZCH0018	4	3.5in OD x 124in STEEL POST W/RIVETED CAP	Certified	155.64			215	0	4.00	0.50	0
2	ZZCH0028	9	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	391.59			527	0	9.00	1.13	0
3	ZZCH0038	2	3.5in OD x 148in STEEL POST W/ RIVETED CAP	Certified	94.22			127	0	2.00	0.25	0
4	ZZCH0048	4	3.5in OD x 160in STEEL POST W/ RIVETED CAP	Certified	200.84			272	0	4.00	0.50	0
5	ZZCH0616	1	SQUARE COATED DECK ASSEMBLY	Certified	54.86			174	3	1.00	0.00	0
6	ZZCH0617	6	TRIANGULAR COATED DECK ASSEMBLY	Certified	179.40			719	12	6.00	0.00	0
7	zzCH0619	1	FULL HEX COATED DECK ASSEMBLY	Certified	151.26			444	6	1.50	0.00	0
8	ZZCH2530	2	12in DECK TO DECK KICK PLATE	Certified	17.70			33	0	1.00	0.00	0
9	ZZUN2290	3	COATED DECK TO DECK CONNECTION KIT	Certified	0.87			11	0	1.50	0.00	0
10	ZZCH0679	1	NUVO- 36in TRANSFER STATION	Certified	239.72			418	2	3.50	0.12	0
11	ZZCH3126	1	GLIDE SLIDE (48in DECK)	Certified	119.73			492	2	2.00	0.03	1
12	ZZCH3236	1	ZIGZAG SLIDE (60in DECK)	Certified	153.73			679	2	2.00	0.03	1
13	ZZCH8060	1	SLIDING POLE (36in DECK)	Certified	54.53			154	1	1.50	0.03	1
14	ZZCH4406	1	ACCESSIBLE DRIVING PANEL	Certified	24.07			202	1	0.50	0.00	1
15	ZZCH4646	1	STORE FRONT PANEL	Certified	33.98			243	3	1.00	0.00	1
16	ZZCH4836	2	NUVO ACTIVITY PANEL	Certified	39.16			465	0	1.00	0.00	0
17	ZZUN4857	1	NUVO - CONSTRUCTION PANEL INSERT	Certified	30.80			401	1	0.50	0.00	1
18	ZZUN4869	1	NUVO - BALL MAZE PANEL INSERT	Certified	21.69			145	1	0.50	0.00	1
19	ZZCH4288	2	ACCESS GATE	Certified	34.68			131	0	1.00	0.00	0
20	ZZCH6190	1	24in DECK TO DECK CLIMBER	Certified	41.34			145	1	1.00	0.00	1
21	ZZCH7066	1	RUSHMORE	Certified	861.68			5,516	10	22.00	0.60	1
22	ZZCH7226	1	ROPE CLIMBER (36in DECK)	Certified	45.26			1,375	2	2.00	0.06	1
23	ZZCH7957	1	SILO CLIMBER (72in DECK)	Certified	82.32			144	1	1.50	0.06	1
24	ZZCH8150	1	SPIRAL CLIMBER (48in DECK)	Certified	86.33			204	2	1.00	0.03	1



Canyons Cross

Design Number: 350-1705A - Compliance and Technical Data

Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	Post-Consumer Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
25	ZZUN0168	1	ROCKBLOCKS DECK ACCESS SUPPORT (60in - 72in DECK)	Certified	57.11			90	1	1.00	0.13	1
26	ZZUN0169	1	ROCKBLOCKS Z SUPPORT (RAISED 60in WALL)	Certified	59.01			72	0	1.00	0.13	0
27	ZZUN0176	2	ROCKBLOCKS Z SUPPORT (60in WALL)	Certified	62.02			87	0	2.00	0.26	0
28	ZZUN0178	2	ROCKBLOCKS END SUPPORT (60in WALL)	Certified	61.24			91	0	2.00	0.26	0
29	ZZUN8356	1	ROCKBLOCKS TRI LADDER (84in WALL)	Certified	132.55			219	1	2.00	0.26	1
30	ZZUN8358	1	ROCKBLOCKS 90 DEGREE WALL (84in to 60in)	Certified	119.07			824	4	0.50	0.00	1
31	ZZUN8359	1	ROCKBLOCKS 90 DEGREE WALL (60in)	Certified	82.72			572	4	0.50	0.00	1
32	ZZUN8360	2	ROCKBLOCKS END WALL (60in)	Certified	152.26			810	4	2.00	0.26	2
33	ZZUN8370	3	ROCKBLOCKS 90 DEGREE WALL (84in TO 60in) RIGHT	Certified	326.88			2,530	12	1.50	0.00	3
34	ZZUN8417	1	THE HELIX (60in & 84in WALL)	Certified	73.35			101	2	0.75	0.00	1
35	ZZCH8457	1	THE CRATER ARCH	Certified	79.50			407	2	1.00	0.03	1
36	ZZCH5770	1	LEG LIFT	Certified	6.76			30	1	0.50	0.00	1
37	ZZCH5880	1	6ft HORIZONTAL SPIRAL LADDER	Certified	63.32			151	2	1.00	0.00	1
38	ZZCH5970	1	OVERHEAD EVENT ACCESS LADDER (36in DECK)	Certified	25.12			71	1	1.50	0.06	0
39	ZZUN7027	1	DROP ZONE (72in DECK)	Certified	216.32			2,299	2	2.00	0.21	1
40	ZZCH9168	1	12in ACCESS STEPPED PLATFORM (DECK TO DECK)	Certified	70.28			277	1	2.00	0.00	0
41	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
42	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05			1	0	0.25	0.00	0
43	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
Totals:					4,702.96	543	1,087	21,956	87	92.75	4.94	26
					2,116.33 Kg	244 Kg	489 Kg	22 Metric Tons			3.75 m3	



Canyons Cross

Design Number: 350-1705A - Compliance and Technical Data

Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	Post-Consumer Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
----------	----------	------	-------------	------------------	--------------------	-------------------------------------	-----------------------------	----------------------	-------	---------------	-----------------	--------------------

ASTM F1487

The lay-out for this custom playscape, design number 350-1705A, has been configured to meet the requirements of the ASTM F1487 standard. In addition, each of the above components listed as "Certified" have been tested and are IPEMA certified. Components listed as "Not Applicable" do not fall within the scope of the ASTM F1487 standard and have not been tested. IPEMA certification can be verified on the IPEMA website, www.ipema.org. In the interest of playground safety, IPEMA provides a Third Party Certification Service which validates compliance.

2010 ADA Standards for Accessible Design

The lay-out was also designed to meet the 2010 Standards published 15-Sep-2010, by the Department of Justice when installed over a properly maintained surfacing material that is in compliance with ASTM F1951 "Accessibility of Surface Systems Under and Around Playground Equipment" as well as ASTM F1292, "Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment", appropriate for the fall height of the structure.

Installation Times

Installation times are based on one experienced installer. A crew of three experienced individuals can perform the installation within the given time, each member working 1/3 of the given hours. [Eg. Installation Time = 30 hours. For a crew of three, each member will work 10 hours on the installation for a total of 30 hours on the project.]

Carbon Footprint

The CO2e (carbon footprint given in Kilograms and Metric Tons) listed above is a measure of the environmental impact this play structure represents from harvesting raw materials to the time it leaves our shipping dock. Playworld Systems nurtures a total corporate culture that is focused on eliminating carbon producing processes and products, reducing our use of precious raw materials, reusing materials whenever possible and recycling materials at every opportunity. Playworld Systems elected to adopt the Publicly Available Specification; PAS 2050 as published by the British Standards Institute and sponsored by Defra and the Carbon Trust. The PAS 2050 has gained international acceptance as a specification that measures the greenhouse gas emissions in services and goods throughout their entire life cycle.

Pre-Consumer Recycle Content

A measurement, in pounds, that qualifies the amount of material that was captured as waste and diverted from landfill during an initial manufacturing process and is being redirected to a separate manufacturing process to become a different product. E.g. 100% of our Aluminum Tubing is made from captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels.

Post-Consumer Recycle Content

A measurement, in pounds, that qualifies the amount of material that was once another product that has completed its lifecycle and has been diverted from a landfill as a solid waste through recycling and is now being used in a Playworld Systems' product. E.g. **20% to 40% of the steel in our steel tubing and sheet steel have been diverted from landfills. Automobiles are scrapped and recyclable steel is purchased by the steel mill that produces our raw product.

** The amount of Post-Consumer recycled steel fluctuates daily based on the availability of the recycled steel.

