



Andrew Jackson Elementary School

Tennessee

25-404

Design shown is conceptual, including colors. Final products may differ.

Beth Ramer





MATERIALS

I approve the material colors listed below.

Client signature

COMPONENT



POST



PLASTISOL COATING (DECK)



ROTOMOLD



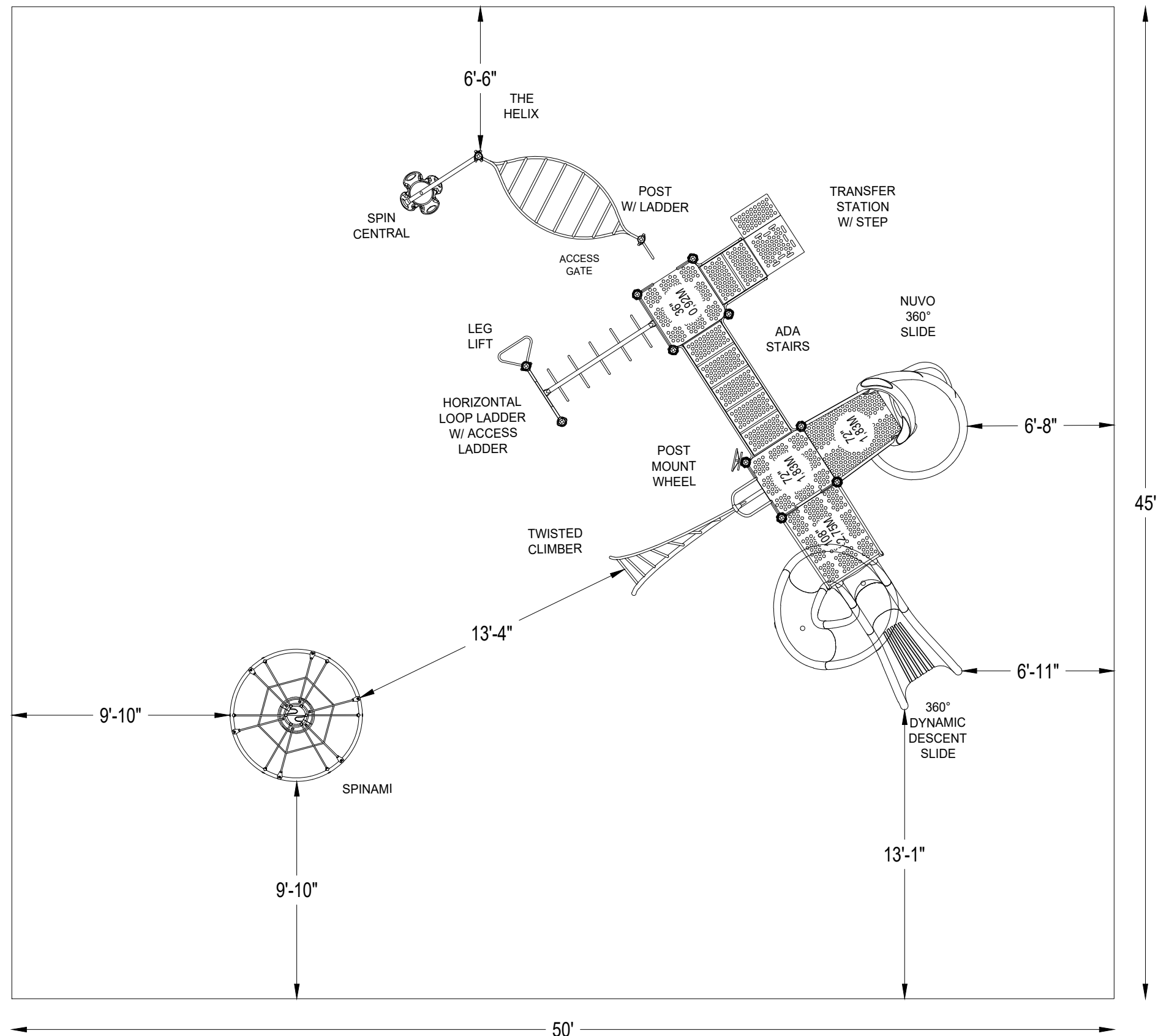
SHEET



ROPE



Andrew Jackson Elementary School
Tennessee



*PLAYGROUND SUPERVISION REQUIRED



PLAYWORLD PREFERRED
11515 Vanstory Drive
Suite 100
Huntersville, NC 28078
1-800-459-7241

EQUIPMENT SIZE:
33'6" x 28'8"

USE ZONE:
50' x 45'

AREA: **2,250 sq ft** PERIMETER: **190'**

FALL HEIGHT:
9'

USER CAPACITY: **36** AGE GROUP: **5-12**

ADA SCHEDULE	Total Elevated Play Activities: 5		
	Total Ground-Level Play Activities: 4		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	3	2	2
Provided	4	4	4

- ✓ ASTM F1487-21
- ✓ CPSC #325



PROJECT NO:
25-404

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

DRAWN BY:
Christina Zich

Paper Size

DATE:
10-3-2025

B

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Design Number: 25-404 - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZCH0018	3.5in OD x 124in STEEL POST W/RIVETED CAP	2
2	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	4
3	ZZCH0038GZ	3.5in OD x 148in GROUND ZERO POST	1
4	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	2
5	ZZCH0076	3.5in OD x 200in STEEL POST W/RIVETED CAP	2
6	ZZCH0297	POST W/ LADDER CLIMBER (36in OR 48in DECK)	1
Decks & Kick Plates			
7	ZZCH0616	SQUARE COATED DECK ASSEMBLY	2
ADA Items			
8	ZZCH2007	TRANSFER STATION w/TALL GUARDRAILS (36in DECK)	1
Slides			
9	ZZCH3425	DYNAMIC DESCENT SLIDE - LARGE BALCONY ENTRANCE & EXIT	1
10	ZZCH3537	SLIDE- NUVO 360 SPIRAL SLIDE	1
Barriers			
11	ZZCH4288	ACCESS GATE	1
Activity Panels			
12	ZZCH4290	POST MOUNTED STEERING WHEEL	1
Overhead Events			
13	ZZCH5770	LEG LIFT	1
14	ZZCH5780	6ft HORIZONTAL LOOP LADDER	1
15	ZZCH5970	OVERHEAD EVENT ACCESS LADDER (36in DECK)	1
Climbers			
16	ZZCH6210	36 in DECK TO DECK CLIMBER	1
GroundZero Balance			
17	ZZCH6798	SPIN CENTRAL (CH)	1
Climbers			
18	ZZCH7160	6ft TWISTED CLIMBER	1
Ground Zero Climbers			
19	ZZCH8398	THE HELIX	1
Stairs and Ladders			
20	ZZCH9177	36in ACCESS STEPPED PLATFORM (DECK TO DECK)	1
ADA Items			
21	ZZUN2019	APPROACH STEP FOR TRANSFER STATION	1
Slides			
22	ZZUN3401	DYNAMIC DESCENT SLIDE - STRAIGHT SECTION	1
23	ZZUN3404	DYNAMIC DESCENT SLIDE - 120 RIGHT TURN SECTION	3
24	ZZUN3411	DYNAMIC DESCENT SUPPORT LEG - 2ft - 6in	1
25	ZZUN3414	DYNAMIC DESCENT SUPPORT LEG - 5ft - 6in	1



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Design Number: 25-404 - 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	2	3.5in OD x 124in STEEL POST W/RIVETED CAP	Certified	77.82			108	0	2.00	0.25	0
2	ZZCH0028	4	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	174.04			234	0	4.00	0.50	0
3	ZZCH0038GZ	1	3.5in OD x 148in GROUND ZERO POST	Certified	47.01			63	0	1.00	0.18	0
4	ZZCH0048	2	3.5in OD x 160in STEEL POST W/ RIVETED CAP	Certified	100.42			136	0	2.00	0.25	0
5	ZZCH0076	2	3.5in OD x 200in STEEL POST W/RIVETED CAP	Certified	122.02			168	0	2.00	0.25	0
6	ZZCH0297	1	POST W/ LADDER CLIMBER (36in OR 48in DECK)	Certified	52.81			74	1	0.50	0.18	1
7	ZZCH0616	2	SQUARE COATED DECK ASSEMBLY	Certified	109.72			348	6	2.00	0.00	0
8	ZZCH2007	1	TRANSFER STATION w/TALL GUARDRAILS (36in DECK)	Certified	144.90			310	2	2.00	0.09	0
9	ZZCH3425	1	DYNAMIC DESCENT SLIDE - LARGE BALCONY ENTRANCE & EXIT	Certified	250.00			775	2	3.50	0.03	1
10	ZZCH3537	1	SLIDE- NUVO 360 SPIRAL SLIDE	Certified	470.70			1,417	2	6.00	0.15	1
11	ZZCH4288	1	ACCESS GATE	Certified	17.34			65	0	0.50	0.00	0
12	ZZCH4290	1	POST MOUNTED STEERING WHEEL	Certified	7.83			44	1	0.25	0.00	1
13	ZZCH5770	1	LEG LIFT	Certified	6.76			30	1	0.50	0.00	1
14	ZZCH5780	1	6ft HORIZONTAL LOOP LADDER	Certified	55.72			124	4	1.00	0.00	1
15	ZZCH5970	1	OVERHEAD EVENT ACCESS LADDER (36in DECK)	Certified	25.12			71	1	1.50	0.06	0
16	ZZCH6210	1	36 in DECK TO DECK CLIMBER	Certified	75.84			153	1	1.00	0.00	1
17	ZZCH6798	1	SPIN CENTRAL (CH)	Certified	54.76			324	1	0.50	0.00	1
18	ZZCH7160	1	6ft TWISTED CLIMBER	Certified	117.65			241	2	2.00	0.60	1
19	ZZCH8398	1	THE HELIX	Certified	81.78			190	2	0.75	0.00	1
20	ZZCH9177	1	36in ACCESS STEPPED PLATFORM (DECK TO DECK)	Certified	217.24			550	2	1.50	0.00	0
21	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83			72	1	1.00	0.04	0



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22	ZZUN3401	1	DYNAMIC DESCENT SLIDE - STRAIGHT SECTION	Certified	20.80			40	0	0.50	0.00	0
23	ZZUN3404	3	DYNAMIC DESCENT SLIDE - 120 RIGHT TURN SECTION	N/A	126.90			228	0	1.50	0.00	0
24	ZZUN3411	1	DYNAMIC DESCENT SUPPORT LEG - 2ft - 6in	Certified	15.00			45	0	1.50	0.03	0
25	ZZUN3414	1	DYNAMIC DESCENT SUPPORT LEG - 5ft - 6in	Certified	23.70			45	0	1.50	0.03	0
26	ZZXX0151	1	SPINAMI	Certified	342.66			1,908	7	6.00	0.33	1
Totals:					2,774.37	373	790	7,760	36	46.50	2.97	11
					0 Kg	0 Kg	0 Kg	0 Metric Tons	0 m3			



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ASTM F1487

The lay-out for this custom playscape, design number 25-404, 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.

