



Northome Elementary

Northome, MN

21-5789A.MID

Sales Representative



**MIDWEST
PLAYSCAPES**
8632 EAGLE CREEK CIRCLE
SAVAGE, MN 55378
PHONE: 1.800.747.1452
EMAIL: playscapes@earthlink.net

Equipment Manufacturer

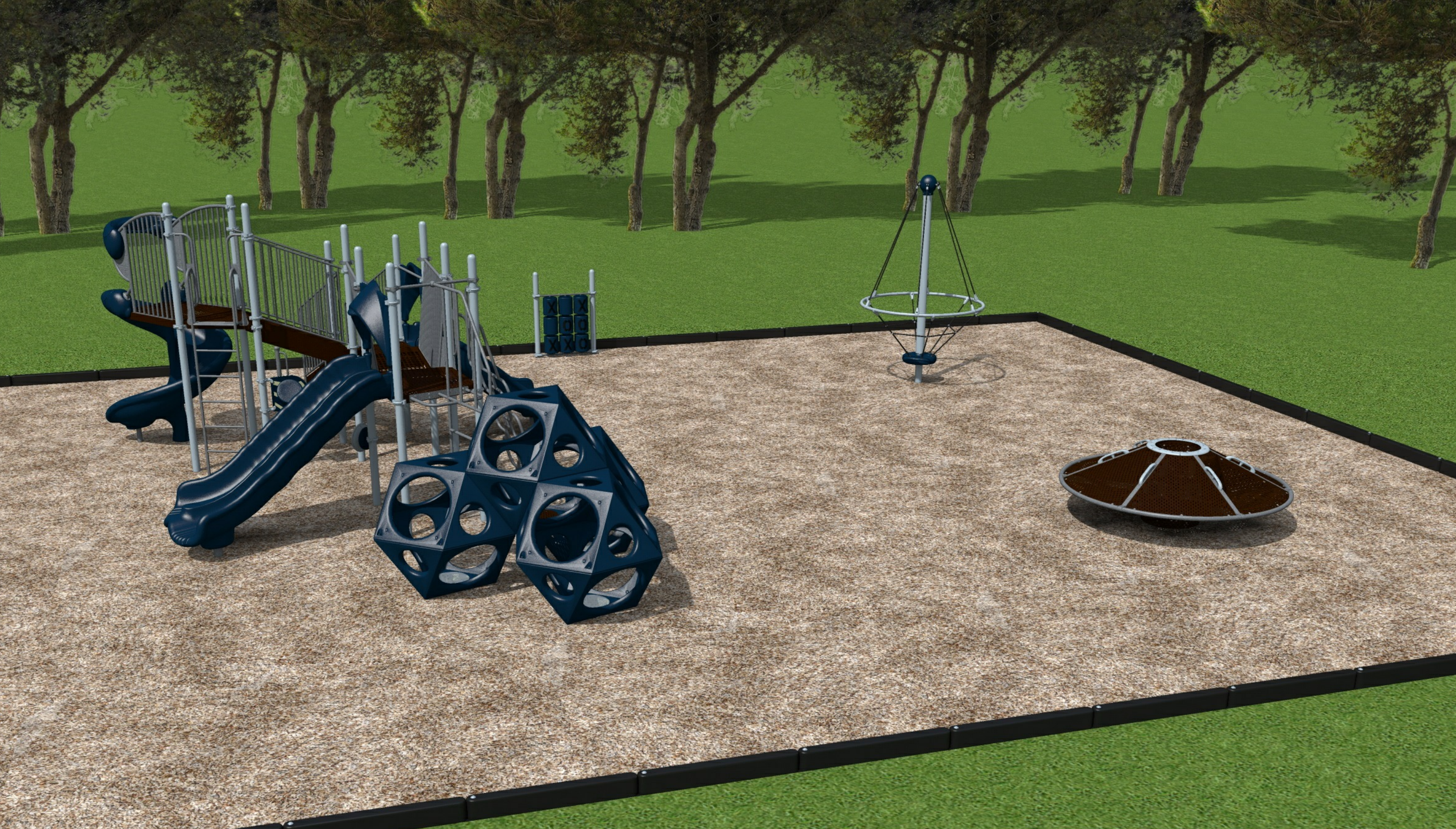


POST & COMPONENT
Light Gray
Metallic Gray

ROTOMOLD PLASTIC
Cobalt

2-COLOR PLASTIC
Cobalt-Sand

ECO-ARMOR
Brown



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 **PLAYWORLD**
The world needs play.



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The world needs play.



MIDWEST PLAYSAPES, INC.
8632 Eagle Creek Circle
Savage, MN 55378

EQUIPMENT SIZE:
19' x 31' x 11'

USE ZONE:
57' x 48'

AREA: **2,736 SqFt.** PERIMETER: **210 Ft.**

FALL HEIGHT:
6' 2"

USER CAPACITY: **56** AGE GROUP: **5-12**

ADA SCHEDULE	Total Elevated Play Activities: 7		
	Total Ground-Level Play Activities: 6		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	4	2	2
Provided	7	6	5

✓ ASTM F1487-11
✓ CPSC #325



PROJECT NO:
21-5789A.MID

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

DRAWN BY:
L.RICE

Paper Size

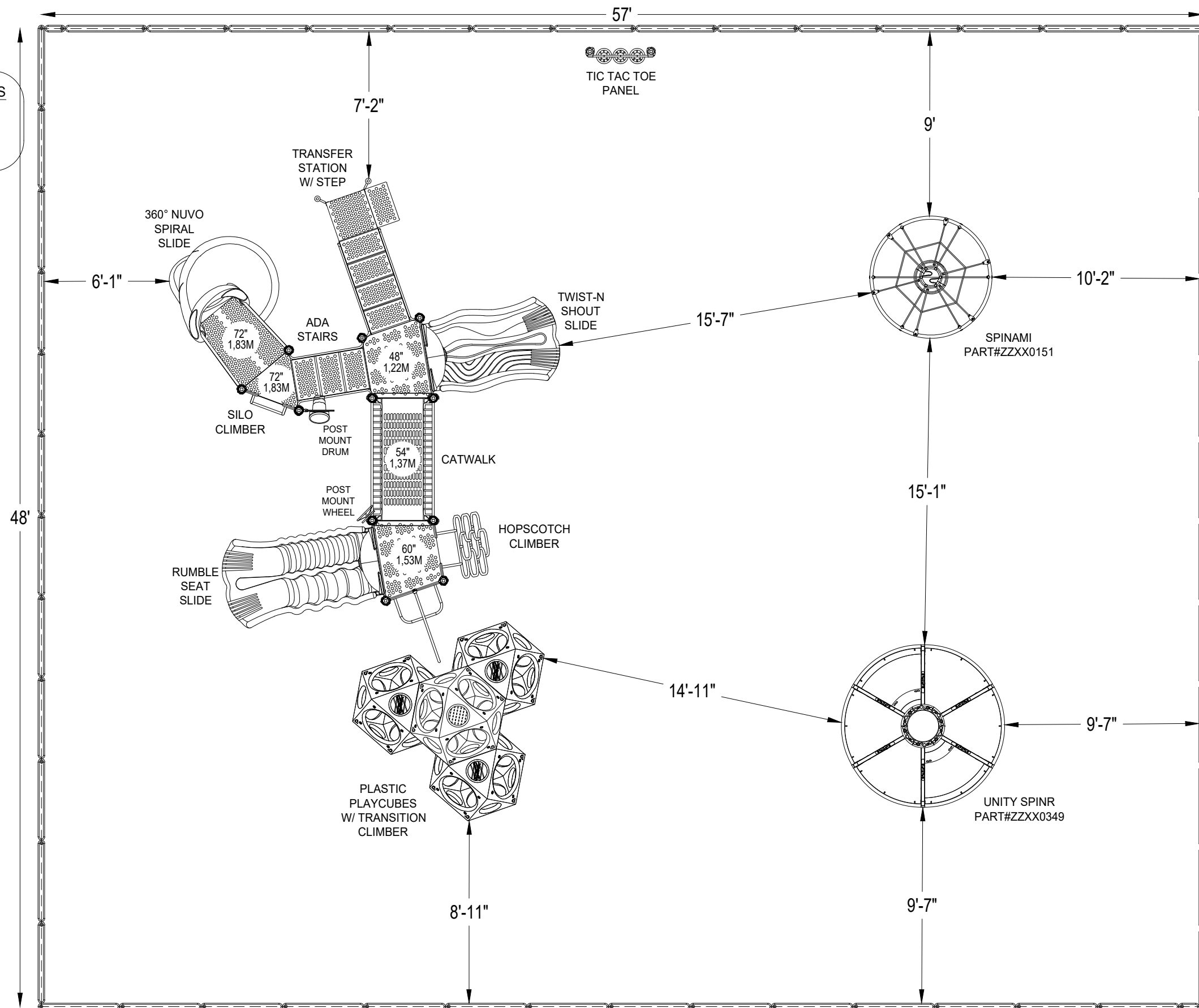
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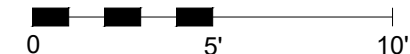
NORTHOME ELEMENTARY
NORTHOME, MN

BORDER TIMBERS

- 52 - 4' TIMBERS
- 2 - 2' TIMBERS
- 0 - 1' TIMBERS
- 0 - END CAP PKG.



*PLAYGROUND SUPERVISION REQUIRED



Northome Elementary

Design Number: 21-5789A - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	2
2	ZZCH0038	3.5in OD x 148in STEEL POST W/ RIVETED CAP	6
3	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	3
4	ZZCH0356	3.50in x 88in STEEL POST w/CAP	2
Decks & Kick Plates			
5	ZZCH0617	TRIANGULAR COATED DECK ASSEMBLY	1
6	ZZCH0636	DOUBLE SLIDE COATED DECK ASSEMBLY	2
ADA Items			
7	ZZCH2027	TRANSFER STATION (48in DECK)	1
8	ZZUN2019	APPROACH STEP FOR TRANSFER STATION	1
Slides			
9	ZZCH2727	TWIST AND SHOUT (48in DECK)	1
10	ZZCH2737	RUMBLE SEAT (60in DECK)	1
11	ZZCH2805	ENTRY SUPPORT BRACKET	2
12	ZZCH3537	SLIDE- NUVO 360 SPIRAL SLIDE	1
Activity Panels			
13	ZZCH4290	POST MOUNTED STEERING WHEEL	1
14	ZZCH4350	TIC-TAC-TOE ACTIVITY WALL	1
Climbers			
15	ZZCH7957	SILO CLIMBER (72in DECK)	1
16	ZZCH8270	HOPSCOTCH CLIMBER (60in DECK)	1
17	ZZCH8939	TRANSITION CLIMBER- CHALLENGER	1
18	ZZUN8727	PLAYCUBE- GROUND LEVEL	3
19	ZZUN8747	PLAYCUBES- ABOVE GROUND- 3 SIDED CONNECTION	1
Bridges			
20	ZZCH7085	6ft CATWALK	1
Audible Activities			
21	ZZCH4649	POST MOUNT DRUM	1
Stairs and Ladders			
22	ZZCH9170	24in ACCESS STEPPED PLATFORM (DECK TO DECK)	1
Additional Tool & Maintenance Kits			
23	ZZUN1471	INSTALLER HARDWARE KIT	1
24	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1
25	ZZXX0678	LABEL KIT- COMPOSITE STRUCTURE - ASTM	1
26	ZZXXGNGUIC	GENERAL INSTALLERS GUIDE	1

Northome Elementary

Post/Installation: Steel-Footed

Design Number: 21-5789A - Pricing Schedule

6021 Pricing - Valid For: 30 Days From Quote Date

Ref. No.	Part No.	Qty.	Description	Unit Weight (lbs)	Unit List (US\$)	Total Weight (lbs)	Total List (US\$)
Modular Playscape:							
Posts							
1	ZZCH0028	2	3.5in OD x 136in STEEL POST W/ RIVETED CAP	43.51	231.00	87.02	462.00
2	ZZCH0038	6	3.5in OD x 148in STEEL POST W/ RIVETED CAP	47.11	243.00	282.66	1,458.00
3	ZZCH0048	3	3.5in OD x 160in STEEL POST W/ RIVETED CAP	50.21	254.00	150.63	762.00
4	ZZCH0356	2	3.50in x 88in STEEL POST w/CAP	29.71	187.00	59.42	374.00
Decks & Kick Plates							
5	ZZCH0617	1	TRIANGULAR COATED DECK ASSEMBLY	29.9	721.00	29.90	721.00
6	ZZCH0636	2	DOUBLE SLIDE COATED DECK ASSEMBLY	63.86	1,062.00	127.72	2,124.00
ADA Items							
7	ZZCH2027	1	TRANSFER STATION (48in DECK)	254.26	2,877.00	254.26	2,877.00
8	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	35.83	403.00	35.83	403.00
Slides							
9	ZZCH2727	1	TWIST AND SHOUT (48in DECK)	183.86	2,070.00	183.86	2,070.00
10	ZZCH2737	1	RUMBLE SEAT (60in DECK)	201.86	2,402.00	201.86	2,402.00
11	ZZCH2805	2	ENTRY SUPPORT BRACKET	12.44	239.00	24.88	478.00
12	ZZCH3537	1	SLIDE- NUVO 360 SPIRAL SLIDE	650	5,420.00	650.00	5,420.00
Activity Panels							
13	ZZCH4290	1	POST MOUNTED STEERING WHEEL	7.83	326.00	7.83	326.00
14	ZZCH4350	1	TIC-TAC-TOE ACTIVITY WALL	45.03	1,503.00	45.03	1,503.00
Climbers							
15	ZZCH7957	1	SILO CLIMBER (72in DECK)	82.32	1,079.00	82.32	1,079.00
16	ZZCH8270	1	HOPSCOTCH CLIMBER (60in DECK)	77.9	1,639.00	77.90	1,639.00
17	ZZCH8939	1	TRANSITION CLIMBER- CHALLENGER	55.14	945.00	55.14	945.00
18	ZZUN8727	3	PLAYCUBE- GROUND LEVEL	151.62	3,158.00	454.86	9,474.00
19	ZZUN8747	1	PLAYCUBES- ABOVE GROUND- 3 SIDED CONNECTION	99.58	2,769.00	99.58	2,769.00
Bridges							
20	ZZCH7085	1	6ft CATWALK	235.56	2,853.00	235.56	2,853.00
Audible Activities							
21	ZZCH4649	1	POST MOUNT DRUM	12.78	441.00	12.78	441.00
Stairs and Ladders							
22	ZZCH9170	1	24in ACCESS STEPPED PLATFORM (DECK TO DECK)	135.24	2,408.00	135.24	2,408.00
Additional Tool & Maintenance Kits							
23	ZZUN1471	1	INSTALLER HARDWARE KIT	0	0.00	0.00	0.00
24	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	0	0.00	0.00	0.00



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Ref. No.	Part No.	Qty.	Description	Unit Weight (lbs)	Unit List (US\$)	Total Weight (lbs)	Total List (US\$)
25	ZZXX0678	1	LABEL KIT- COMPOSITE STRUCTURE - ASTM	0.04	0.00	0.04	0.00
26	ZZXXGNGUIC	1	GENERAL INSTALLERS GUIDE	0	0.00	0.00	0.00
Total:						3,294.32	42,988.00
Independent Items:							
1	ZZXX0151	1	SPINAMI	342.66	5,189.00	342.66	5,189.00
2	ZZXX0349	1	UNITY SPINR- W/ 2 ACCESSIBLE SEATS (IN-GROUND)	870.07	11,885.00	870.07	11,885.00
3	ZZXX9409	2	1ft BORDER TIMBER w/STAKE	5.51	42.00	11.02	84.00
4	ZZXX9430	52	4ft BORDER TIMBERS w/STAKE	10.31	62.00	536.12	3,224.00
Total:						1,759.87	20,382.00
Grand Total:						5,054.19	63,370.00

Please Note:

1. When placing an order for this project, the drawing number is representative of the Playmakers, Challengers or Explorers playstructure only. Items listed under 'Independent Items' must be listed on your purchase order separately to be included.



Northome Elementary

Design Number: 21-5789A - 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	ZZXX0151	1	SPINAMI	Certified	342.66			1,908	7	6.00	0.33	1
2	ZZXX0349	1	UNITY SPINR- W/ 2 ACCESSIBLE SEATS (IN-GROUND)	Certified	870.07			3,279	0	4.50	0.29	0
3	ZZXX9409	2	1ft BORDER TIMBER w/STAKE	N/A	11.02			26	0	0.50	0.00	0
4	ZZXX9430	52	4ft BORDER TIMBERS w/STAKE	N/A	536.12			1,035	0	13.00	0.00	0
5	ZZCH0028	2	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	87.02			117	0	2.00	0.25	0
6	ZZCH0038	6	3.5in OD x 148in STEEL POST W/ RIVETED CAP	Certified	282.66			380	0	6.00	0.75	0
7	ZZCH0048	3	3.5in OD x 160in STEEL POST W/ RIVETED CAP	Certified	150.63			204	0	3.00	0.38	0
8	ZZCH0356	2	3.50in x 88in STEEL POST w/CAP	Certified	59.42			79	0	2.00	0.26	0
9	ZZCH0617	1	TRIANGULAR COATED DECK ASSEMBLY	Certified	29.90			120	2	1.00	0.00	0
10	ZZCH0636	2	DOUBLE SLIDE COATED DECK ASSEMBLY	Certified	127.72			370	6	2.00	0.00	0
11	ZZCH2027	1	TRANSFER STATION (48in DECK)	Certified	254.26			492	3	2.50	0.09	0
12	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83			72	1	1.00	0.04	0
13	ZZCH2727	1	TWIST AND SHOUT (48in DECK)	Certified	183.86			656	4	3.00	0.06	1
14	ZZCH2737	1	RUMBLE SEAT (60in DECK)	Certified	201.86			762	4	3.00	0.06	1
15	ZZCH2805	2	ENTRY SUPPORT BRACKET	Certified	24.88			115	0	1.00	0.00	0
16	ZZCH3537	1	SLIDE- NUVO 360 SPIRAL SLIDE	Certified	650.00			1,417	2	6.00	0.15	1
17	ZZCH4290	1	POST MOUNTED STEERING WHEEL	Certified	7.83			44	1	0.25	0.00	1
18	ZZCH4350	1	TIC-TAC-TOE ACTIVITY WALL	Certified	45.03			342	2	0.50	0.00	1
19	ZZCH7957	1	SILO CLIMBER (72in DECK)	Certified	82.32			144	1	1.50	0.06	1
20	ZZCH8270	1	HOPSCOTCH CLIMBER (60in DECK)	Certified	77.90			154	2	2.00	0.06	1
21	ZZCH8939	1	TRANSITION CLIMBER- CHALLENGER	Certified	55.14			214	2	2.50	0.00	1
22	ZZUN8727	3	PLAYCUBE- GROUND LEVEL	Certified	454.86			1,287	12	4.50	0.36	3
23	ZZUN8747	1	PLAYCUBES- ABOVE GROUND- 3 SIDED CONNECTION	Certified	99.58			375	3	1.50	0.00	1
24	ZZCH7085	1	6ft CATWALK	Certified	235.56			433	2	4.00	0.00	1



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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	ZZCH4649	1	POST MOUNT DRUM	Certified	12.78			167	1	0.50	0.00	1
26	ZZCH9170	1	24in ACCESS STEPPED PLATFORM (DECK TO DECK)	Certified	135.24			296	1	2.00	0.00	0
27	ZZUN1471	1	INSTALLER HARDWARE KIT	N/A				57				
28	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				90				
29	ZZXX0678	1	LABEL KIT- COMPOSITE STRUCTURE - ASTM	N/A	0.04			TBD	0	0.08	0.00	0
30	ZZXXGNGUIC	1	GENERAL INSTALLERS GUIDE	N/A				1				
Totals:					5,054.19	845	1,038	14,634	56	75.83	3.13	15
					2,274.39 Kg	380 Kg	467 Kg	15 Metric Tons				2.38 m3



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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
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ASTM F1487

The lay-out for this custom playscape, design number 21-5789A, 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.

