

Shiver Me Timbers

Equipment Manufacturer



500-1809



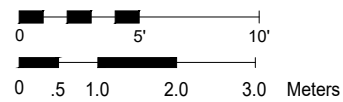
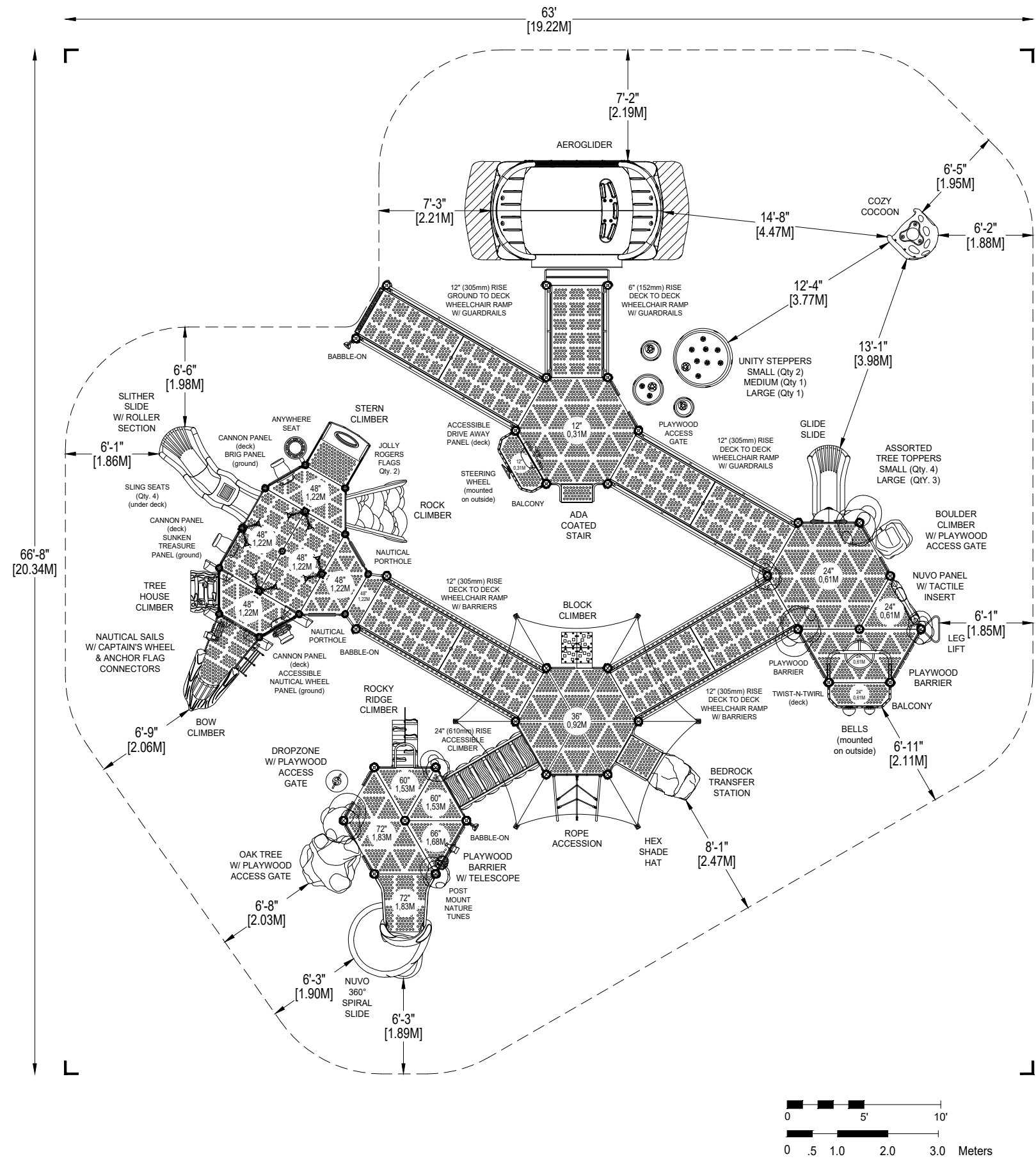
Shiver Me Timbers

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500-1809





*PLAYGROUND SUPERVISION REQUIRED



PLAYWORLD SYSTEMS, INC.
 1000 Buffalo Road
 Lewisburg, PA
 17837-9795 USA

EQUIPMENT SIZE:
50'10" x 53'3" x 21'1"
 15,49M

USE ZONE:
63' x 66'8"
 19,22M x 20,34M

AREA: **3,165 SqFt.** PERIMETER: **217 Ft.**
 294,03 SqM. 66,14M

FALL HEIGHT:
8 Ft.
 2,44M

USER CAPACITY: **181** AGE GROUP: **5-12**

ADA SCHEDULE	Total Elevated Play Activities: 26		
	Total Ground-Level Play Activities: 13		
	Accessible Elevated Activities	Accessible Ground-Level Activities	Accessible Ground-Level Play Types
Required	13	9	5
Provided	26	9	6

- ✓ ASTM F1487-11
- ✓ CPSC #325



PROJECT NO: 500-1809	SCALE: 1/8"=1'-0"
DRAWN BY: M. MERTZ	Paper Size B
DATE: 31-OCT-17	

SHIVER ME TIMBERS
 CATALOG PRE-DESIGN

Wednesday, October 18, 2017

PLAYWORLD SYSTEMS, INC
Sales and Marketing
1000 BUFFALO ROAD LEWISBURG, PA 17837
Phone: 1-570-522-9800
Fax: 1-570-522-0268

Re: Shade Hat footing concrete volume for drawing 500-1809
Project: Shiver Me Timbers

Dear Sales and Marketing,

This design contains shade product. Please note the following as applicable:

Hat Shade

Posts supporting the hat shade will require deeper than usual footings. To assist with your installation cost estimations, please note the following:

6.00 posts in this drawing will require a combined total of 2.79 cubic yards of concrete per a 150 mph wind speed factor.

The amount of concrete noted is limited to the posts which support the hat shade only. It does not include any concrete needed to install the remaining posts in this design.

Consult the local stipulations for the proposed installation site to ensure the hat shade meets or exceeds these requirements (wind speed, etc.) prior to placing the order.

Free Standing Shade

1. Consult the local code authority for permitting requirements prior to order.
Stamped engineering drawings are available for a fee if required.
2. A crane will be needed for the installation of free-standing shade (>20' x 20').
Ensure site is crane accessible. See dealer sheets on crane and tools.
3. Footings need special consideration:
 - a. Footings are substantial. See installation instructions for specifications.
 - b. A seven day cure time is required.
 - c. Must be located at least 72" from other equipment unless subterranean.
 - d. Anchor bolts must be embedded accurately to ensure proper assembly.
4. A height clearance of 84" must be maintained over existing equipment.
Consult your Customer Satisfaction Representative prior to ordering free-standing shade not previously quoted."

Please review all installation instructions for your specific shade model(s) on the BBS.

Thank You,

Megan Mertz
Playground Designer
1.800.233.8404
Playworld Systems, Inc.



Shiver Me Timbers

Design Number: 500-1809 - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	5
2	ZZCH0076	3.5in OD x 200in STEEL POST W/RIVETED CAP	2
3	ZZCH0870	48in DECK STEEL FILLER POST (CH)	4
4	ZZCH8566	NAUTICAL SAIL	4
5	ZZPM0006	5in OD X 96in STEEL POST W/ RIVETED CAP	6
6	ZZPM0008	5in OD X 108in STEEL POST W/ RIVETED CAP	4
7	ZZPM0026	5in OD X 132in STEEL POST W/ RIVETED CAP	2
8	ZZPM0036	5in OD X 144in STEEL POST W/ RIVETED CAP	2
9	ZZPM0037	5in OD X 144in STEEL POST W/O CAP	2
10	ZZPM0046	5in OD X 156in STEEL POST W/ RIVETED CAP	3
11	ZZPM0047	5in OD X 156in STEEL POST W/O CAP	2
12	ZZPM0056	5in OD X 168in STEEL POST W/ RIVETED CAP	1
13	ZZPM0067	5in OD X 180in STEEL POST W/O CAP	1
14	ZZPM0079	5in OD x 205in STEEL POST W/O CAP	1
15	ZZPM0129	5in OD x 192in STEEL POST W/O CAP	1
16	ZZPM0238	5in OD x 176in SWAGED STEEL POST	6
17	ZZPM0357	5in x 84in STEEL POST w/CAP	2
18	ZZPM0367	2ft POST EXTENSION FOOTER & CLAMP SUPPORT	6
19	ZZPM0840	24in DECK STEEL FILLER POST (PM)	1
Decks & Kick Plates			
20	ZZCH0618	1/2 HEX COATED DECK ASSEMBLY	3
21	ZZCH0629	LONG COATED DECK ASSEMBLY	2
22	ZZPM0617	TRIANGULAR COATED DECK ASSEMBLY	4
23	ZZPM0618	1/2 HEX COATED DECK ASSEMBLY	2
24	ZZPM0619	HEX COATED DECK ASSEMBLY	3
25	ZZPM2510	6in DECK TO DECK KICK PLATE	2
26	ZZPM2530	12in DECK TO DECK KICK PLATE	1
27	ZZUN2290	COATED DECK TO DECK CONNECTION KIT	15
28	ZZUN5898	CH/PM CONVERSION PLATFORM	1
ADA Items			
29	ZZPM7328	6in RISE DK-DK WHEELCHAIR RAMP W/ GUARDRAILS	1
30	ZZPM7330	AEROGLIDER DECK EXTENSION FOR WHEELCHAIR RAMPS	1
31	ZZPM7537	GROUND TO DECK WHEELCHAIR RAMP W/ GUARDRAILS (12in RISE)	1
32	ZZPM7538	DECK TO DECK WHEELCHAIR RAMP W/ BARRIERS (12in RISE)	2
33	ZZPM7539	DECK TO DECK WHEELCHAIR RAMP W/ GUARDRAILS (12in RISE)	1
34	ZZPM8230	DECK TO DECK ACCESSIBLE CLIMBER (24in RISE)	1
35	ZZPM8818	BEDROCK TRANSFER- 36in BARRIER	1
36	ZZUN7336	AEROGLIDER	1
37	ZZUN7369	RAMP TO BERM CONNECTOR	1
38	ZZUN9390	6in WHEELCHAIR RAMP CENTER SUPPORT	1
39	ZZUN9400	18in WHEELCHAIR RAMP CENTER SUPPORT	1
40	ZZUN9410	30in WHEELCHAIR RAMP CENTER SUPPORT	1
41	ZZUN9420	42in WHEELCHAIR RAMP CENTER SUPPORT	1



Shiver Me Timbers

Design Number: 500-1809 - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Slides			
42	ZZCH8549	SLITHER SLIDE ENTRY/EXIT (NAUTICAL THEME)	1
43	ZZPM3128	GLIDE SLIDE (30in & 24in DECK)	1
44	ZZPM3537	SLIDE- NUVO 360 SPIRAL SLIDE	1
45	ZZUN3208	SLITHER SLIDE 2.0 (RIGHT SECTION)	1
46	ZZUN3219	SLITHER SLIDE ROLLER SECTION	1
Activity Panels			
47	ZZCH4578	ANYWHERE SEAT	1
48	ZZCH4896	SLING SEAT	4
49	ZZCH8550	PORTHOLE PANEL (NAUTICAL THEME)	2
50	ZZCH8557	CANNON PANEL (NAUTICAL THEME) (DECK LEVEL)	3
51	ZZCH8560	SUNKEN TREASURE HUNT (GROUND LEVEL) (NAUTICAL THEME)	1
52	ZZCH8568	BRIG PANEL (NAUTICAL THEME) (GROUND LEVEL)	1
53	ZZCH8579	ACCESSIBLE NAUTICAL STEERING WHEEL PANEL	1
54	ZZPM4356	BALCONY	2
55	ZZPM4487	DRIVE AWAY HALF PANEL	1
56	ZZPM4638	NATURE SOUNDS POST MOUNT PANEL	1
57	ZZPM4836	NUVO ACTIVITY PANEL	1
58	ZZUN4300	STEERING WHEEL (PIPE WALL MOUNT)	1
59	ZZUN4449	PLAYWOOD TELESCOPE	1
60	ZZUN4827	NUVO TACTILE INSERT	1
Barriers			
61	ZZCH8598	NAUTICAL STERN BALCONY	1
62	ZZPM4658	PLAYWOOD ACCESS GATES	4
63	ZZPM4659	PLAYWOOD WALL BARRIER	3
Climbers			
64	ZZCH6816	TREE HOUSE CLIMBER (48in DECK)	1
65	ZZCH7439	ROCK CLIMBER (48in DECK)	1
66	ZZCH8547	NAUTICAL BOW (48in DK)	1
67	ZZPM7087	CLIMBING SQUARES BLOCK CLIMBER (36in)	1
68	ZZPM7217	36in ROPE ASCENSION	1
69	ZZPM7966	ROCKY RIDGE CLIMBER (60in DECK)	1
70	ZZUN8806	OAK TRUNK	1
71	ZZUN8814	BOULDER CLIMBER	1
Ground Zer0 Climbers			
72	ZZCH8468	THE SPACER	1
Overhead Events			
73	ZZPM5770	LEG LIFT	1
74	ZZPM6888	TWIST-N-TWIRL	1
Balance			
75	ZZUN7027	DROP ZONE (72in DECK)	1
76	ZZUN7136	UNITY STEPPER - SMALL	2
77	ZZUN7137	UNITY STEPPER - MEDIUM	1

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Ref. No.	Part No.	Description	Quantity
78	ZZUN7138	UNITY STEPPER - LARGE	1
Audible Activities			
79	ZZPM4467	GROUND TO GROUND BABBLE-ON	1
80	ZZPM4567	8in BELL (PIPE WALL MOUNT 4in CENTERS)	1
81	ZZPM4569	10in BELL (PIPE WALL MOUNT 4in CENTERS)	1
Roofs & Arches			
82	ZZCH8539	NAUTICAL JOLLY ROGER FLAG	2
83	ZZCH8540	NAUTICAL CAPTAIN'S WHEEL FLAG	1
84	ZZCH8546	NAUTICAL ANCHOR FLAG	1
85	ZZCH8577	NAUTICAL CAPTAIN'S WHEEL FLAG (SAIL CONNECTOR)	1
86	ZZCH8578	NAUTICAL ANCHOR FLAG (SAIL CONNECTOR)	1
87	ZZPM9717	HEX HAT SHADE (PM)	1
88	ZZPM9806	SMALL TREE TOPPER	4
89	ZZPM9807	LARGE TREE TOPPER	3
Stairs and Ladders			
90	ZZPM9167	12in ACCESSIBLE STEPPED PLATFORM (GROUND TO DECK)	1
Additional Tool & Maintenance Kits			
91	ZZCHGUID	CHALLENGER GUIDELINES	1
92	ZZPMGUID	PLAYMAKER GUIDELINES	1
93	ZZUN9910	SURFACING WARNING LABEL KIT	2
94	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	2

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Design Number: 500-1809 - 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	ZZXX0483	1	COZY COCOON - SPINNING	Certified	132.00			834	3	1.50	0.13	1
2	ZZCH0028	5	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	217.55			293	0	5.00	0.63	0
3	ZZCH0076	2	3.5in OD x 200in STEEL POST W/RIVETED CAP	Certified	122.02			168	0	2.00	0.25	0
4	ZZCH0870	4	48in DECK STEEL FILLER POST (CH)	Certified	116.48			212	0	3.00	0.52	0
5	ZZCH8566	4	NAUTICAL SAIL	Certified	626.12			834	0	8.00	0.52	0
6	ZZPM0006	6	5in OD X 96in STEEL POST W/ RIVETED CAP	Certified	325.26			488	0	6.00	0.78	0
7	ZZPM0008	4	5in OD X 108in STEEL POST W/ RIVETED CAP	Certified	242.04			361	0	4.00	0.52	0
8	ZZPM0026	2	5in OD X 132in STEEL POST W/ RIVETED CAP	Certified	148.42			217	0	2.00	0.24	0
9	ZZPM0036	2	5in OD X 144in STEEL POST W/ RIVETED CAP	Certified	161.82			235	0	2.00	0.26	0
10	ZZPM0037	2	5in OD X 144in STEEL POST W/O CAP	Certified	157.62			217	0	2.00	0.26	0
11	ZZPM0046	3	5in OD X 156in STEEL POST W/ RIVETED CAP	Certified	263.13			379	0	3.00	0.39	0
12	ZZPM0047	2	5in OD X 156in STEEL POST W/O CAP	Certified	170.62			235	0	2.00	0.26	0
13	ZZPM0056	1	5in OD X 168in STEEL POST W/ RIVETED CAP	Certified	92.51			136	0	1.00	0.13	0
14	ZZPM0067	1	5in OD X 180in STEEL POST W/O CAP	Certified	99.91			136	0	1.00	0.13	0
15	ZZPM0079	1	5in OD x 205in STEEL POST W/O CAP	Certified	113.71			154	0	1.00	0.13	0
16	ZZPM0129	1	5in OD x 192in STEEL POST W/O CAP	Certified	105.41			145	0	1.00	0.12	0
17	ZZPM0238	6	5in OD x 176in SWAGED STEEL POST	Certified	623.46			813	0	6.00	0.72	0
18	ZZPM0357	2	5in x 84in STEEL POST w/CAP	Certified	106.06			145	0	2.00	0.24	0
19	ZZPM0367	6	2ft POST EXTENSION FOOTER & CLAMP SUPPORT	Certified	123.48			197	0	1.50	0.00	0
20	ZZPM0840	1	24in DECK STEEL FILLER POST (PM)	Certified	31.32			61	0	0.75	0.13	0
21	ZZCH0618	3	1/2 HEX COATED DECK ASSEMBLY	Certified	234.96			756	12	4.50	0.00	0
22	ZZCH0629	2	LONG COATED DECK ASSEMBLY	Certified	214.04			635	12	2.00	0.00	0



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23	ZZPM0617	4	TRIANGULAR COATED DECK ASSEMBLY	Certified	185.60			677	8	4.00	0.00	0
24	ZZPM0618	2	1/2 HEX COATED DECK ASSEMBLY	Certified	223.64			707	10	3.00	0.00	0
25	ZZPM0619	3	HEX COATED DECK ASSEMBLY	Certified	686.16			1,913	24	6.00	0.00	0
26	ZZPM2510	2	6in DECK TO DECK KICK PLATE	Certified	16.10			29	0	0.05	0.00	0
27	ZZPM2530	1	12in DECK TO DECK KICK PLATE	Certified	11.95			20	0	0.25	0.00	0
28	ZZUN2290	15	COATED DECK TO DECK CONNECTION KIT	Certified	4.35			57	0	7.50	0.00	0
29	ZZUN5898	1	CH/PM CONVERSION PLATFORM	Certified	59.45			225	1	2.00	0.00	0
30	ZZPM7328	1	6in RISE DK-DK WHEELCHAIR RAMP W/ GUARDRAILS	Certified	201.60			418	4	2.00	0.00	0
31	ZZPM7330	1	AEROGlider DECK EXTENSION FOR WHEELCHAIR RAMPS	Certified	61.32			107	0	1.00	0.03	0
32	ZZPM7537	1	GROUND TO DECK WHEELCHAIR RAMP W/ GUARDRAILS (12in RISE)	Certified	388.84			782	4	3.00	0.00	0
33	ZZPM7538	2	DECK TO DECK WHEELCHAIR RAMP W/ BARRIERS (12in RISE)	Certified	1,082.20			1,974	8	6.00	0.00	0
34	ZZPM7539	1	DECK TO DECK WHEELCHAIR RAMP W/ GUARDRAILS (12in RISE)	Certified	379.30			737	4	3.00	0.00	0
35	ZZPM8230	1	DECK TO DECK ACCESSIBLE CLIMBER (24in RISE)	Certified	321.20			988	3	1.50	0.00	1
36	ZZPM8818	1	BEDROCK TRANSFER- 36in BARRIER	Certified	856.54			2,833	2	3.50	0.22	1
37	ZZUN7336	1	AEROGlider	Certified	1,535.79			7,009	12	16.00	2.10	1
38	ZZUN7369	1	RAMP TO BERM CONNECTOR	Certified	14.87			42	0	0.50	0.00	0
39	ZZUN9390	1	6in WHEELCHAIR RAMP CENTER SUPPORT	Certified	7.93			10	0	0.50	0.06	0
40	ZZUN9400	1	18in WHEELCHAIR RAMP CENTER SUPPORT	Certified	10.79			13	0	0.50	0.06	0
41	ZZUN9410	1	30in WHEELCHAIR RAMP CENTER SUPPORT	Certified	13.76			17	0	0.50	0.06	0
42	ZZUN9420	1	42in WHEELCHAIR RAMP CENTER SUPPORT	Certified	16.62			21	0	0.50	0.06	0
43	ZZCH8549	1	SLITHER SLIDE ENTRY/EXIT (NAUTICAL THEME)	Certified	83.64			586	2	2.00	0.03	1
44	ZZPM3128	1	GLIDE SLIDE (30in & 24in DECK)	Certified	112.54			380	2	2.00	0.03	1
45	ZZPM3537	1	SLIDE- NUVO 360 SPIRAL SLIDE	Certified	680.00			1,449	2	6.00	0.15	1



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46	ZZUN3208	1	SLITHER SLIDE 2.0 (RIGHT SECTION)	Certified	19.59			134	0	0.25	0.00	0
47	ZZUN3219	1	SLITHER SLIDE ROLLER SECTION	Certified	33.80			472	0	0.25	0.00	0
48	ZZCH4578	1	ANYWHERE SEAT	Certified	31.10			90	1	0.25	0.00	1
49	ZZCH4896	4	SLING SEAT	Certified	70.40			586	4	2.00	0.00	4
50	ZZCH8550	2	PORTHOLE PANEL (NAUTICAL THEME)	Certified	80.54			851	0	1.00	0.00	0
51	ZZCH8557	3	CANNON PANEL (NAUTICAL THEME) (DECK LEVEL)	Certified	130.53			1,387	6	1.50	0.00	3
52	ZZCH8560	1	SUNKEN TREASURE HUNT (GROUND LEVEL) (NAUTICAL THEME)	Certified	44.18			413	2	2.00	0.00	1
53	ZZCH8568	1	BRIG PANEL (NAUTICAL THEME) (GROUND LEVEL)	Certified	38.43			289	0	0.50	0.00	0
54	ZZCH8579	1	ACCESSIBLE NAUTICAL STEERING WHEEL PANEL	Certified	32.69			309	2	0.50	0.00	1
55	ZZPM4356	2	BALCONY	Certified	208.44			579	4	2.00	0.00	2
56	ZZPM4487	1	DRIVE AWAY HALF PANEL	Certified	53.31			1,297	2	1.50	0.00	1
57	ZZPM4638	1	NATURE SOUNDS POST MOUNT PANEL	Certified	31.19			742	1	0.50	0.00	1
58	ZZPM4836	1	NUVO ACTIVITY PANEL	Certified	33.44			264	0	0.50	0.00	0
59	ZZUN4300	1	STEERING WHEEL (PIPE WALL MOUNT)	Certified	5.39			28	1	0.25	0.00	1
60	ZZUN4449	1	PLAYWOOD TELESCOPE	Certified	11.81			62	1	0.50	0.00	1
61	ZZUN4827	1	NUVO TACTILE INSERT	Certified	19.63			247	2	0.50	0.00	1
62	ZZCH8598	1	NAUTICAL STERN BALCONY	Certified	167.49			1,150	2	3.00	0.00	1
63	ZZPM4658	4	PLAYWOOD ACCESS GATES	Certified	234.64			387	0	2.00	0.00	0
64	ZZPM4659	3	PLAYWOOD WALL BARRIER	Certified	177.90			306	0	1.50	0.00	0
65	ZZCH6816	1	TREE HOUSE CLIMBER (48in DECK)	Certified	96.24			636	2	2.00	0.06	1
66	ZZCH7439	1	ROCK CLIMBER (48in DECK)	Certified	136.38			555	3	2.00	0.03	1
67	ZZCH8547	1	NAUTICAL BOW (48in DK)	Certified	307.60			1,983	5	10.00	0.19	4
68	ZZPM7087	1	CLIMBING SQUARES BLOCK CLIMBER (36in)	N/A	135.90			437	2	4.00	0.12	1
69	ZZPM7217	1	36in ROPE ASCENSION	Certified	90.43			379	1	3.00	0.18	1
70	ZZPM7966	1	ROCKY RIDGE CLIMBER (60in DECK)	Certified	123.05			532	2	2.00	0.07	1



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71	ZZUN8806	1	OAK TRUNK	Certified	3,300.01			7,324	6	2.00	0.62	1
72	ZZUN8814	1	BOULDER CLIMBER	N/A	550.01			1,315	2	2.00	0.23	1
73	ZZCH8468	1	THE SPACER	Certified	11.31			59	1	0.25	0.00	1
74	ZZPM5770	1	LEG LIFT	Certified	7.20			33	1	0.50	0.00	1
75	ZZPM6888	1	TWIST-N-TWIRL	Certified	51.07			192	1	1.00	0.00	1
76	ZZUN7027	1	DROP ZONE (72in DECK)	Certified	216.32			2,299	2	2.00	0.21	1
77	ZZUN7136	2	UNITY STEPPER - SMALL	Certified	59.94			138	2	2.00	0.26	2
78	ZZUN7137	1	UNITY STEPPER - MEDIUM	Certified	54.71			145	1	1.00	0.13	1
79	ZZUN7138	1	UNITY STEPPER - LARGE	Certified	128.05			342	4	2.00	0.00	1
80	ZZPM4467	1	GROUND TO GROUND BABBLE-ON	Certified	45.47			248	2	1.50	0.00	1
81	ZZPM4567	1	8in BELL (PIPE WALL MOUNT 4in CENTERS)	Certified	8.39			39	1	0.25	0.00	1
82	ZZPM4569	1	10in BELL (PIPE WALL MOUNT 4in CENTERS)	Certified	10.07			44	1	0.25	0.00	1
83	ZZCH8539	2	NAUTICAL JOLLY ROGER FLAG	Certified	24.68			219	0	0.50	0.00	0
84	ZZCH8540	1	NAUTICAL CAPTAIN'S WHEEL FLAG	Certified	12.34			129	0	0.25	0.00	0
85	ZZCH8546	1	NAUTICAL ANCHOR FLAG	Certified	12.34			129	0	0.25	0.00	0
86	ZZCH8577	1	NAUTICAL CAPTAIN'S WHEEL FLAG (SAIL CONNECTOR)	Certified	17.29			209	0	0.25	0.00	0
87	ZZCH8578	1	NAUTICAL ANCHOR FLAG (SAIL CONNECTOR)	Certified	17.29			209	0	0.25	0.00	0
88	ZZPM9717	1	HEX HAT SHADE (PM)	Certified	514.78			3,637	0	9.00	0.00	0
89	ZZPM9806	4	SMALL TREE TOPPER	Certified	56.24			368	0	2.00	0.00	0
90	ZZPM9807	3	LARGE TREE TOPPER	Certified	90.09			477	0	1.50	0.00	0
91	ZZPM9167	1	12in ACCESSIBLE STEPPED PLATFORM (GROUND TO DECK)	Certified	56.94			151	1	2.00	0.06	0
92	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
93	ZZPMGUID	1	PLAYMAKER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
94	ZZUN9910	2	SURFACING WARNING LABEL KIT	Certified	0.10			1	0	0.50	0.00	0
95	ZZUN9930	2	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A				180				



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Design Number: 500-1809 - Compliance and Technical Data

Reference Document: ASTM F1487

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled (lbs)	Post-Consumer Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
Totals:					18,940.87	2,109	3,877	60,643	181	207.80	11.31	47
					8,523.39 Kg	949 Kg	1,745 Kg	61 Metric Tons			8.60 m3	



Shiver Me Timbers

Design Number: 500-1809 - 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
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ASTM F1487

The lay-out for this custom playscape, design number 500-1809, 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.

