

350-1007-EN

Design Number: 350-1007B-EN - Bill Of Material

Ref. No.	Part No.	Description	Quantity
Posts			
1	ZZCH0028	3.5in OD x 136in STEEL POST W/ RIVETED CAP	6
2	ZZCH0048	3.5in OD x 160in STEEL POST W/ RIVETED CAP	4
3	ZZCH0356	3.50in x 88in STEEL POST w/CAP	2
Decks & Kick Plates			
4	ZZCH0616	SQUARE COATED DECK ASSEMBLY	1
5	zzCH0619	FULL HEX COATED DECK ASSEMBLY	1
ADA Items			
6	ZZCH2027	TRANSFER STATION (48in DECK)	1
7	ZZUN2019	APPROACH STEP FOR TRANSFER STATION	2
Slides			
8	ZZCH2696	GLIDE SLIDE (72in DECK)	1
9	ZZCH3126	GLIDE SLIDE (48in DECK)	2
Activity Panels			
10	ZZCH4290	POST MOUNTED STEERING WHEEL	1
11	ZZch4538	SPIN RACER PANEL (GROUND LEVEL)	1
12	ZZCH4547	SCAVENGER HUNT (GROUND LEVEL)	1
Climbers			
13	ZZCH7160	6ft TWISTED CLIMBER	1
14	ZZCH7168	6ft TOWER CLIMBER	1
15	ZZCH7410	DEEP RUNG ARCH CLIMBER (48in DECK)	1
16	ZZCH8190	TREE CLIMBER (48in DECK)	1
Bridges			
17	ZZCH6479	CRAZY BONES 6ft x 2ft RISE BRIDGE	1
Audible Activities			
18	ZZCH4589	BELL PANEL (GROUND LEVEL)	1
19	ZZCH4608	CHIME BANNER	1
Additional Tool & Maintenance Kits			
20	ZZCHGUID	CHALLENGER GUIDELINES	1
21	ZZUN9910	SURFACING WARNING LABEL KIT	1
22	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1
23	ZZUN9990	TOOL AND ADDITIONAL PARTS KIT W/AEROSOL	1
24	ZZXX0109	EN-1176 LABEL	1



350-1007-EN

Design Number: 350-1007B-EN - Compliance and Technical Data

Reference Document: EN1176:2008

Ref. No.	Part No.	Qty.	Description	Unit EN 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	ZZCH0028	6	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	261.06			359	0	6.00	0.75	0
2	ZZCH0048	4	3.5in OD x 160in STEEL POST W/ RIVETED CAP	Certified	200.84			278	0	4.00	0.50	0
3	ZZCH0356	2	3.50in x 88in STEEL POST w/CAP	Certified	59.42			81	0	2.00	0.26	0
4	ZZCH0616	1	SQUARE COATED DECK ASSEMBLY	Certified	54.86			174	3	1.00	0.00	0
5	zzCH0619	1	FULL HEX COATED DECK ASSEMBLY	Certified	151.26			475	6	1.50	0.00	0
6	ZZCH2027	1	TRANSFER STATION (48in DECK)	Certified	254.26			517	3	2.50	0.09	0
7	ZZUN2019	2	APPROACH STEP FOR TRANSFER STATION	Certified	71.66			152	2	2.00	0.08	0
8	ZZCH2696	1	GLIDE SLIDE (72in DECK)	Certified	151.63			840	2	2.00	0.03	1
9	ZZCH3126	2	GLIDE SLIDE (48in DECK)	Certified	239.46			1,257	6	4.00	0.06	2
10	ZZCH4290	1	POST MOUNTED STEERING WHEEL	Certified	7.83			53	1	0.25	0.00	1
11	ZZch4538	1	SPIN RACER PANEL (GROUND LEVEL)	Certified	47.14			422	3	1.00	0.00	1
12	ZZCH4547	1	SCAVENGER HUNT (GROUND LEVEL)	Certified	42.88			554	3	2.00	0.00	1
13	ZZCH7160	1	6ft TWISTED CLIMBER	Certified	117.65			251	2	2.00	0.60	1
14	ZZCH7168	1	6ft TOWER CLIMBER	Certified	108.67			253	2	2.00	0.90	1
15	ZZCH7410	1	DEEP RUNG ARCH CLIMBER (48in DECK)	Certified	93.26			204	2	2.00	0.06	1
16	ZZCH8190	1	TREE CLIMBER (48in DECK)	Certified	73.93			184	2	1.50	0.03	1
17	ZZCH6479	1	CRAZY BONES 6ft x 2ft RISE BRIDGE	Certified	305.36			2,653	2	4.00	0.00	1
18	ZZCH4589	1	BELL PANEL (GROUND LEVEL)	Certified	46.46			392	2	1.00	0.00	1
19	ZZCH4608	1	CHIME BANNER	Certified	25.24			245	2	0.75	0.00	1
20	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00			1	0	0.25	0.00	0
21	ZZUN9910	1	SURFACING WARNING LABEL KIT	N/A	0.05			1	0	0.25	0.00	0
22	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A	13.07			106	0	0.25	0.00	0
23	ZZUN9990	1	TOOL AND ADDITIONAL PARTS KIT W/AEROSOL	N/A	3.46			85	0	0.25	0.00	0
24	ZZXX0049	1	EN & JPFA HOLE PLUG KIT FOR ECO-ARMOR (150 COUNT)	Certified	4.51			176	0	0.00	0.00	0



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25	ZZXX0109	1	EN-1176 LABEL	Certified	0.01			0	0	0.50	0.00	0
Totals:					2,333.97	342	576	9,713	43	43.00	3.36	13
					1,050.29 Kg	154 Kg	259 Kg	10 Metric Tons				



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EN1176:2008

This custom structure, drawing number 350-1007B-EN, has been designed to meet the general safety requirements of EN1176:2008. These requirements have been established with the consideration of the risk factor on available data. The items listed as certified have been reviewed and approved by a third party certification service. In addition to the product listing the overall layout and design of this structure, as shown in the plan, was completed in accordance with the general safety requirements of EN1176:2008.

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

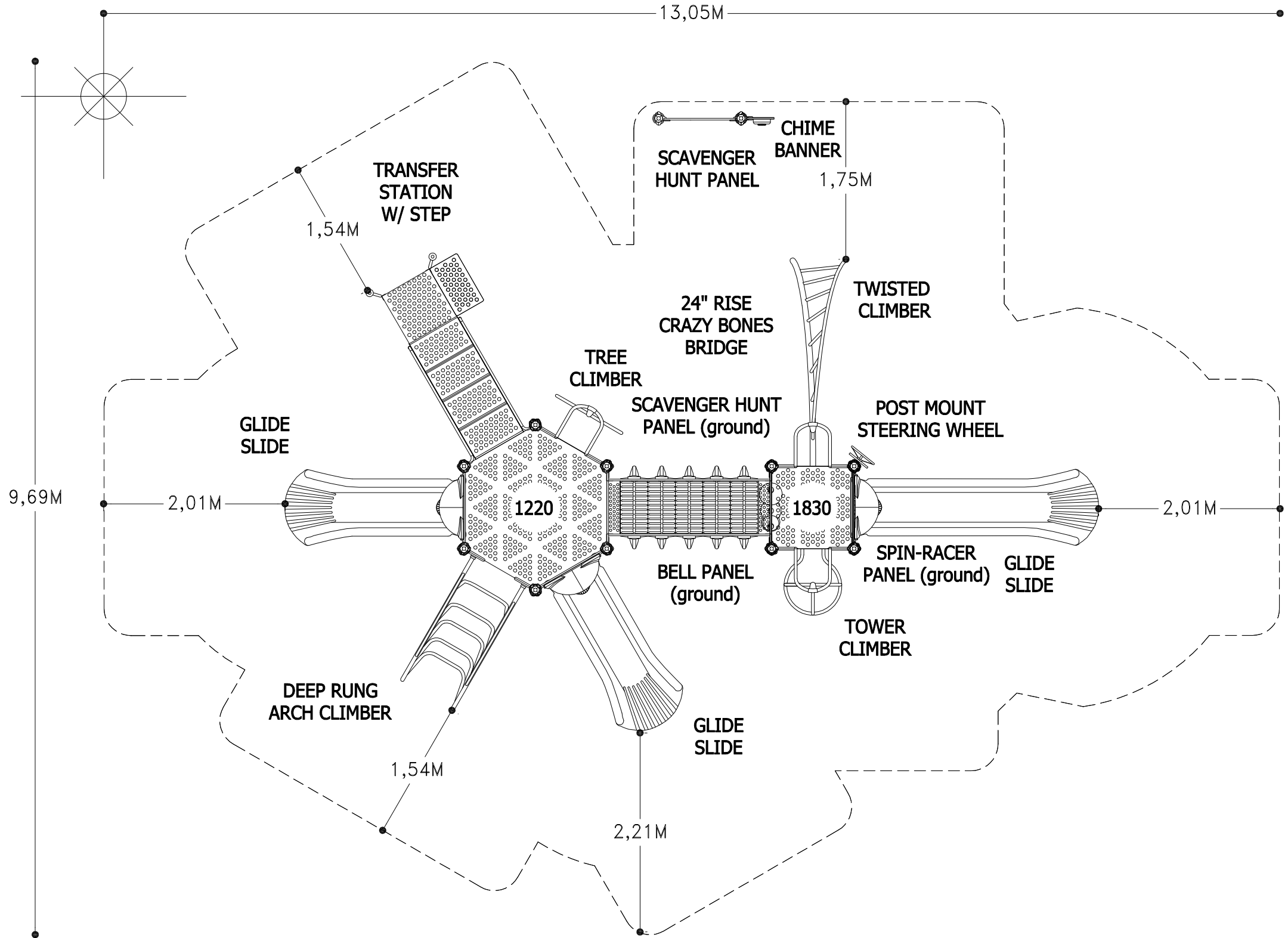
A measurement, in pounds, that qualifies the amount of material that was captured as waste and diverted from landfill during an initial manufacturing process and is being redirected to a separate manufacturing process to become a different product. E.g. 100% of our Aluminum Tubing is made from captured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

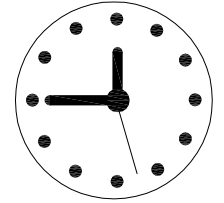




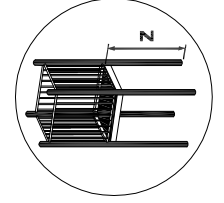
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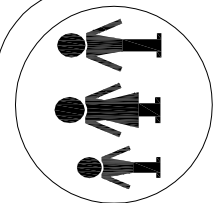
Playworld Systems, Inc.
1000 Buffalo Road
Lewisburg, PA
17837-9795 USA



43 hrs



1,83m



3-14 yrs

350-1007-EN

CATALOG PRE-DESIGN

PROJECT NO:

350-1007B-EN

DATE:

23-JAN-12

STRUCTURE SIZE:

9,02M X 5,28M X 3,66M

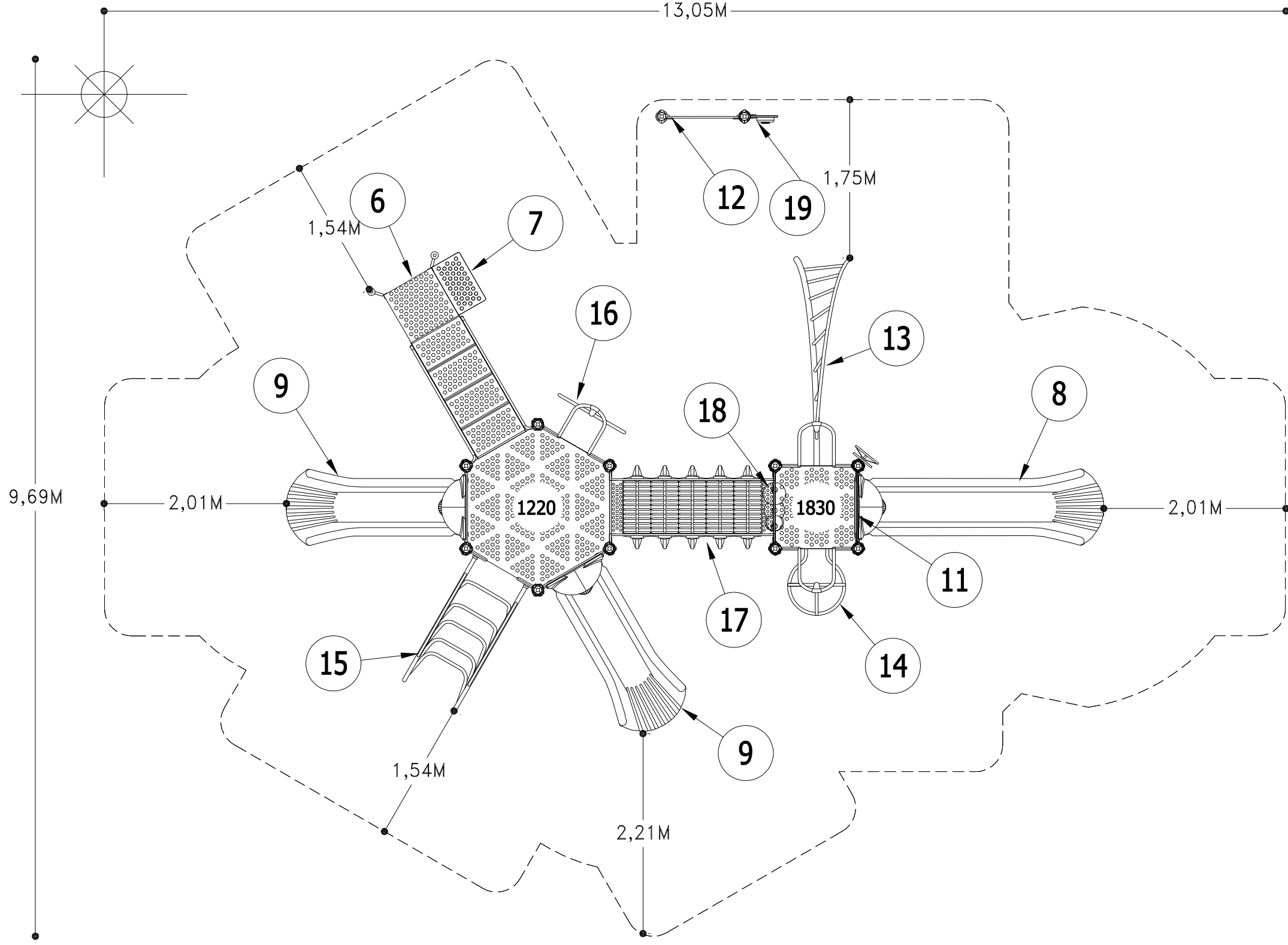
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SITE PLAN

DRAWN BY:

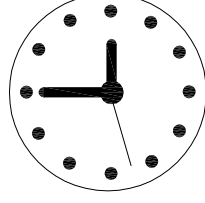
CHIP ZECHMAN



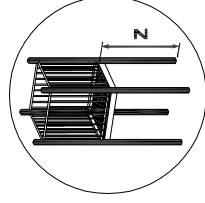
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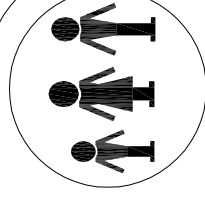
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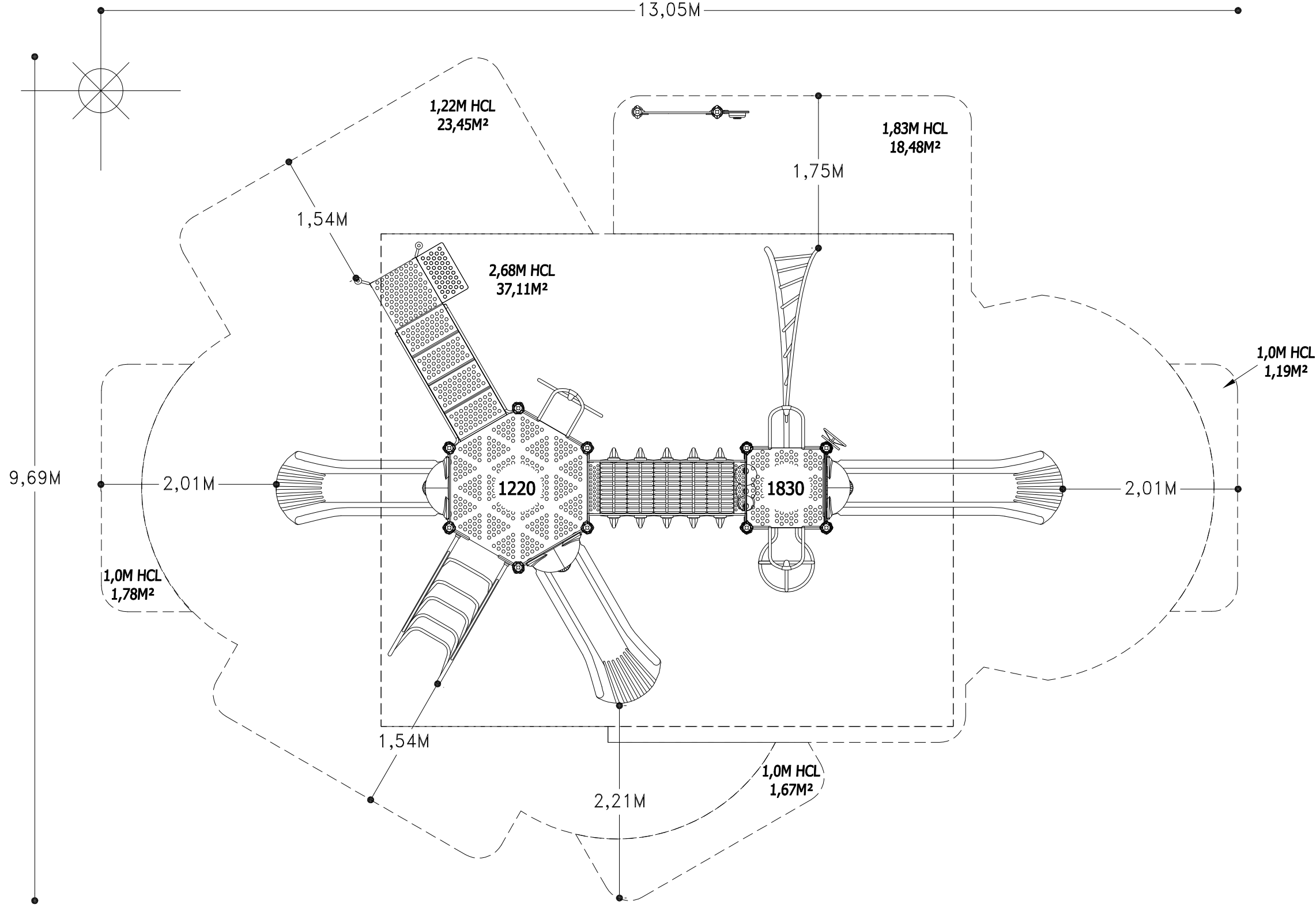
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CATALOG PRE-DESIGN

SITE PLAN

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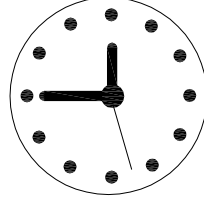
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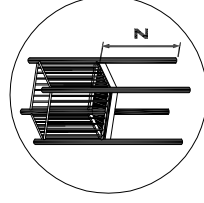
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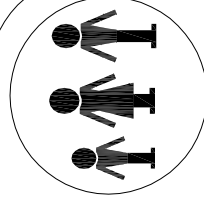
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43 hrs



1,83m



3-14 yrs

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DATE:

23-JAN-12

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SCALE:

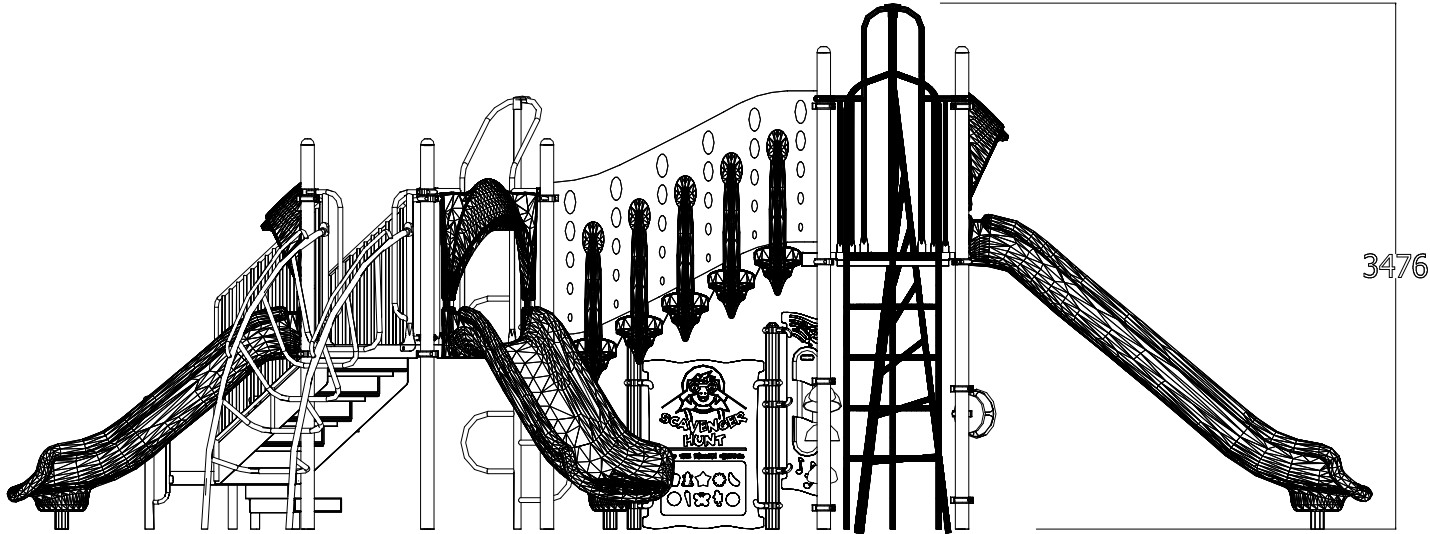
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SITE PLAN

CATALOG PRE-DESIGN

DRAWN BY:

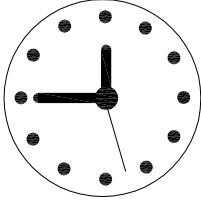
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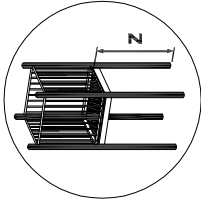
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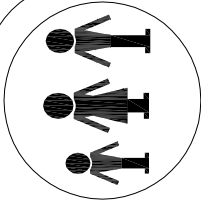
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43 hrs



1,83M



3-14 yrs

350-1007-EN

CATALOG PRE-DESIGN

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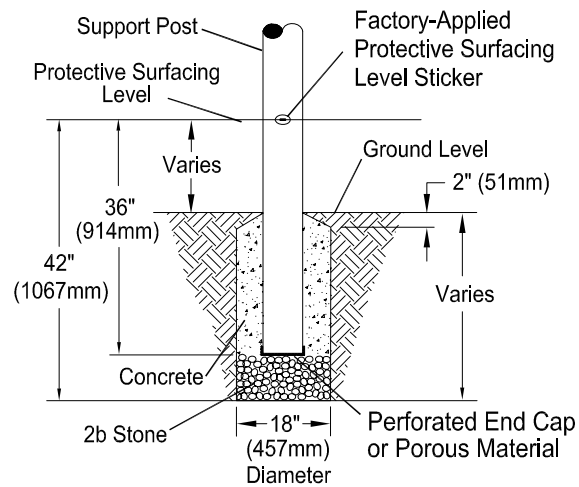
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SITE PLAN

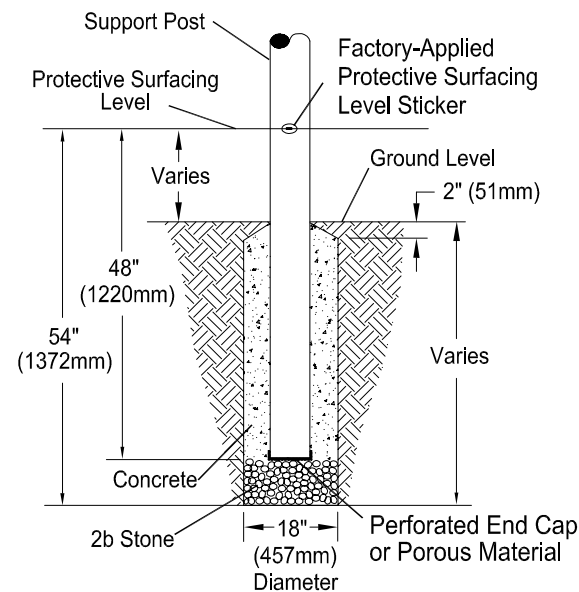
DRAWN BY:

CHIP ZECHMAN



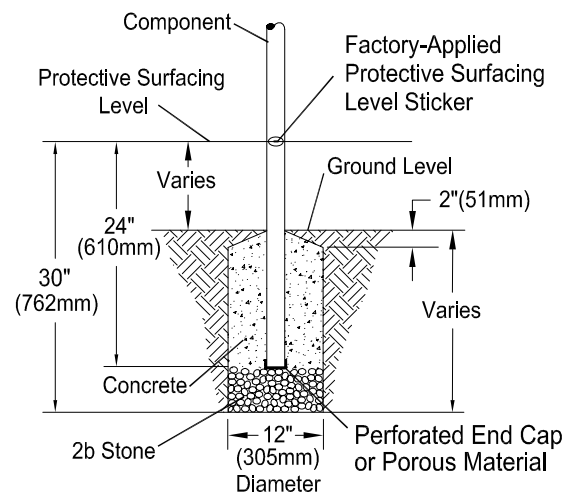
DETAIL 1

Support Post, Spiral Slide and RockBlocks Post Footing Detail



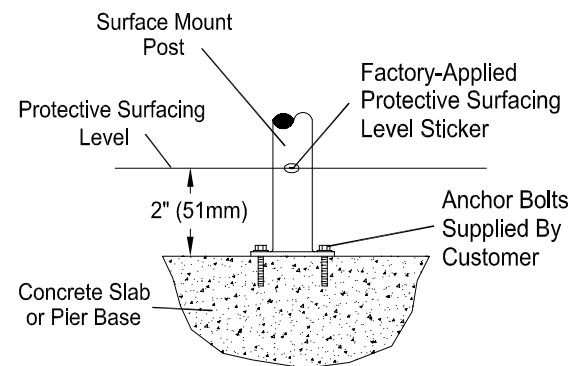
DETAIL 2

GroundZero, Cantilever and "T" Post Footing Detail



DETAIL 3

Component Footing Detail



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. Place all posts directly on packed stone.
- 6) Do not encase the bottom of support posts in concrete.
- 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

- = COMPONENT FOOTING (DETAIL 3)
- = SPIRAL SLIDE CENTER POST FOOTING (DETAIL 1)
- = SUPPORT POST FOOTING (DETAIL 1 or 4) (112" (2845mm) INDICATES POST LENGTH)
- = CANTILEVER, "T" POST, AND COMPONENT POST FOOTING (DETAIL 2) (ZZCH1650 INDICATES PART NUMBER)
- = GROUND ZERO POST FOOTING (DETAIL 2) (144" (3658mm) INDICATES POST LENGTH)

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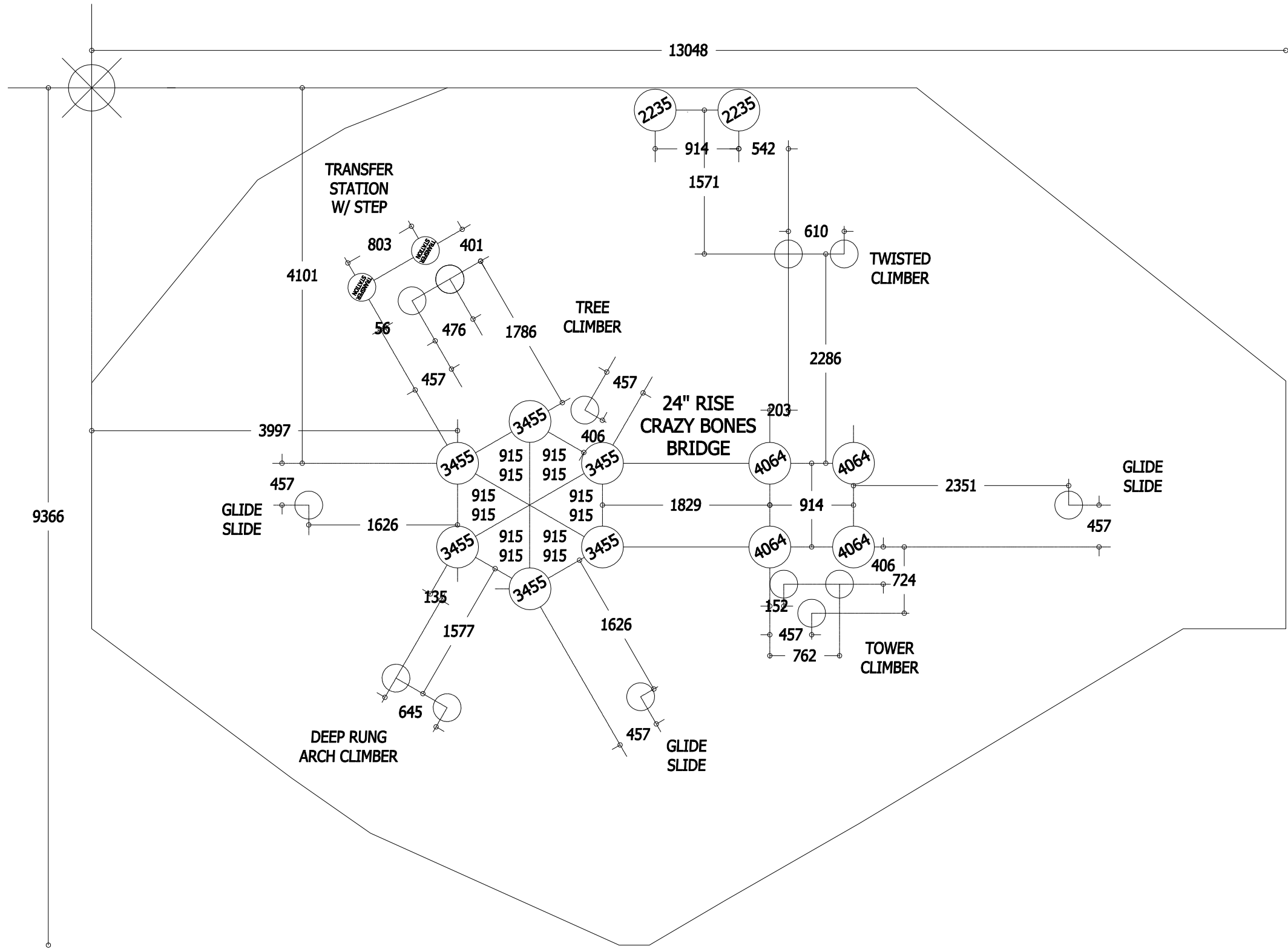
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PROJECT NO:	REV:	DATE:	SCALE:	DRAWN BY:
-----	--	05-OCT-07	NOT TO SCALE	TECH SALES
FOOTING DETAIL				

POST FOOTING DETAILS

PLAYMAKERS / CHALLENGERS



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FOOTING LEGEND

- = COMPONENT FOOTING (DETAIL 3)
- = SUPPORT POST FOOTING (DETAIL 1 or 4)
(2845mm INDICATES POST LENGTH)
- = CANTILEVER, "T" POST, AND COMPONENT POST FOOTING
(ZZCH1850 INDICATES PART NUMBER)
- = GROUND ZERO POST FOOTING (DETAIL 2)
(3658mm INDICATES POST LENGTH)

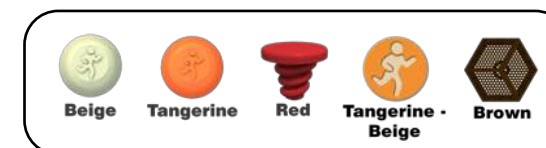
PROJECT NO:	350-1007B-EN	DATE:	23-JAN-12
INSTALLATION TIME:	43 HRS	SCALE:	1:50
FOOTING PLAN		DRAWN BY:	CHIP ZECHMAN

350-1007-EN

CATALOG PRE-DESIGN

{350-1007-EN}

Catalog Pre-design



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