PCH ARCHITECTS
30 South Center Street
Redlands, CA 92373

ADDENDUM NUMBER 1

To the Contract Documents
For the Construction of

SMITH TECH ACADEMY PLAYGROUND UPGRADE PROJECT

for

COLTON JOINT UNIFIED SCHOOL DISTRICT
Bid No. 24-18FAC

February 7, 2024

NOTICE TO BIDDERS

It is intended that all work affected by the following provisions shall conform to the original plans and specifications. Delete or modify each of the following items wherever appearing on Drawings, and/or Specifications. Acknowledge receipt of Addendum No. 1 in the space provided on the Contractor's Proposal. Failure to do so may subject bidder to disqualification.

GENERAL:

Item Number 1: Reference PlayCraft cut sheets submitted with DSA set. Replace with attached revised PlayCraft cut sheets.

The following changes were made:

A. Three (3) "TOP VIEW (Footings)" pages were added for each playground element with a plan placing the post footing and a "Mount Locations Table" and "Mount Ordinate Table" to specify the size, depth, and location of the post footings.

B. 06.1 concrete footing detail was added. Contractors to reference the tables mentioned in point A for footing widths and depths.

DRAWINGS:

Item Number 2: Reference sheet A-102 Enlarged Playground Plans; Replace this sheet with attached revised sheet A-102.

The following changes were made:

A. Keynote SP01 was added. "ELEMENTARY SCHOOL PLAYGROUND EQUIPMENT, OWNER FURNISHED CONTRACTOR INSTALLED. INSTALLER MUST BE A CERTIFIED PLAYGROUND EQUIPMENT INSTALLER."
B. The playground platform elevation markers were updated in the legend to match those in the plan.
C. Keynote SP04 was updated to designate playground safety surface color.
D. A 3'-0" wide perimeter band was added to the playground safety surface. Keynote SP15 was added to designate perimeter band color.

Item Number 3: Reference Civil's Sheet C-5.1 Detail Sheet; Replace this sheet with attached revised sheet C-5.1.

The following changes were made:

A. In Detail 'E', the "type 2 sub-base – 95% compaction 4" min." was removed so that the "max pour safety surfacing top layer" can be poured into the concrete curb. And therefore, glue to it.
B. In Detail 'E', the "#4 bars bent bars, @ 18" O.C. alternating" were added.
C. In Detail 'C', the "type 2 sub-base – 95% compaction 4" min." was removed so that the "max pour safety surfacing top layer" can be poured into the concrete curb. And therefore, glue to it.
D. In Detail 'C', the "#4 bars bent bars, @ 18" O.C. alternating" were added.
E. Detail 'K' was added to detail how the rebar will attach to the post sleeve inside the concrete curb.

PRE-BID RFI'S:

Item Number 4: Please clarify the color of new rubberized safety surfacing to be installed. For example, 50% Standard Color / 50% Black or 100% Color mix to be determined.

Response: Reference revised sheet A-102 Enlarged Playground Plans keynote SP04 and SP15;
Field Color: 60% beige, 20% standard blue, 20% black
Perimeter Accent: Standard Blue

Item Number 5: Please clarify the binder type to be used within the top wear course layer of the new rubberized safety surfacing. Aromatic or Aliphatic?

Response: Aromatic. See section 32 18 16.13 – 2.3 Materials in the specifications.

Item Number 6: Please confirm the critical fall height of the new playground equipment. Reference Sheet A-102, "Playground Platform Elevations":" = 84" and Playground Notes #3. = 36.

Response: Reference revised sheet A-102 Enlarged Playground Plans legend Playground Platform Elevations.

SUBSTITUTION REQUEST:

Item Number 7: See attached approved Substitution Request for Playground Protective Surface.

END OF ADDENDUM NO. 1
Pedro Jaramillo, AIA

President

SMITH ELEMENTARY SPECIAL EDUCATION

PAC23B8EE6A

Presented by

Pacific Play Systems, Inc.

and

PLAYCRAFT® SYSTEMS
A PLAYCORE Company

(800) 333-8519

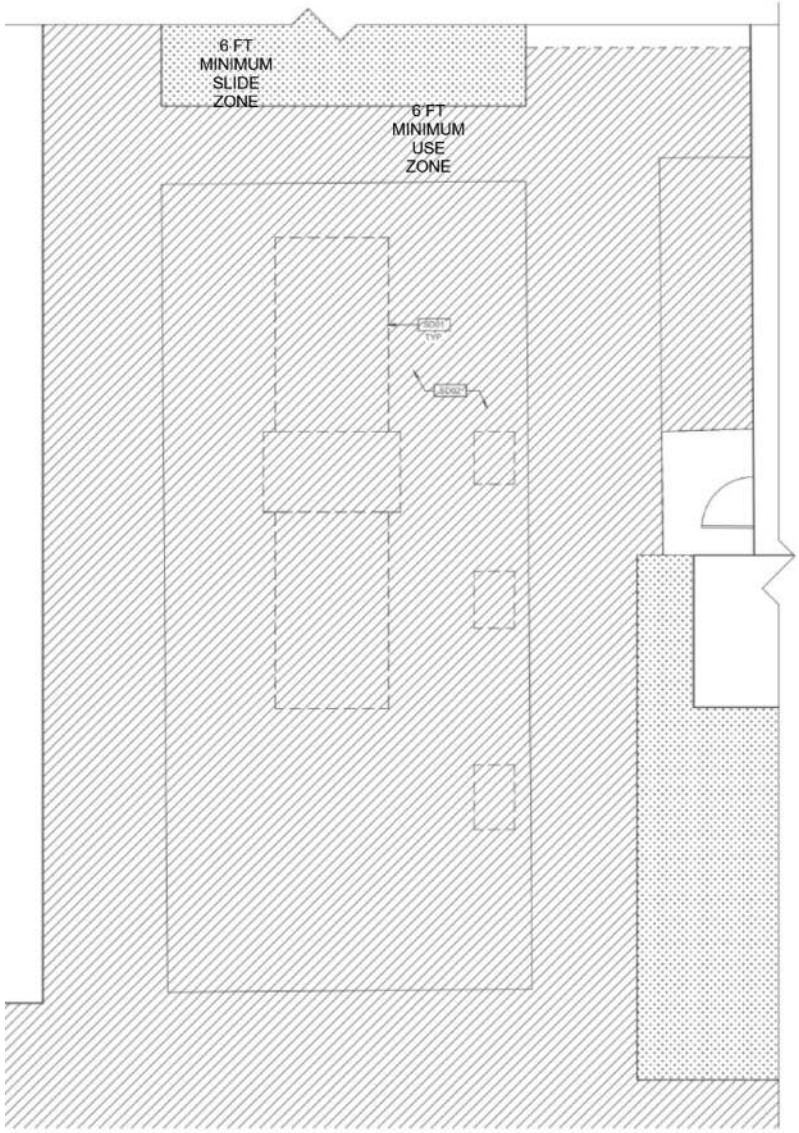
SMITH ELEMENTARY SPECIAL EDUCATION
SITE PLAN

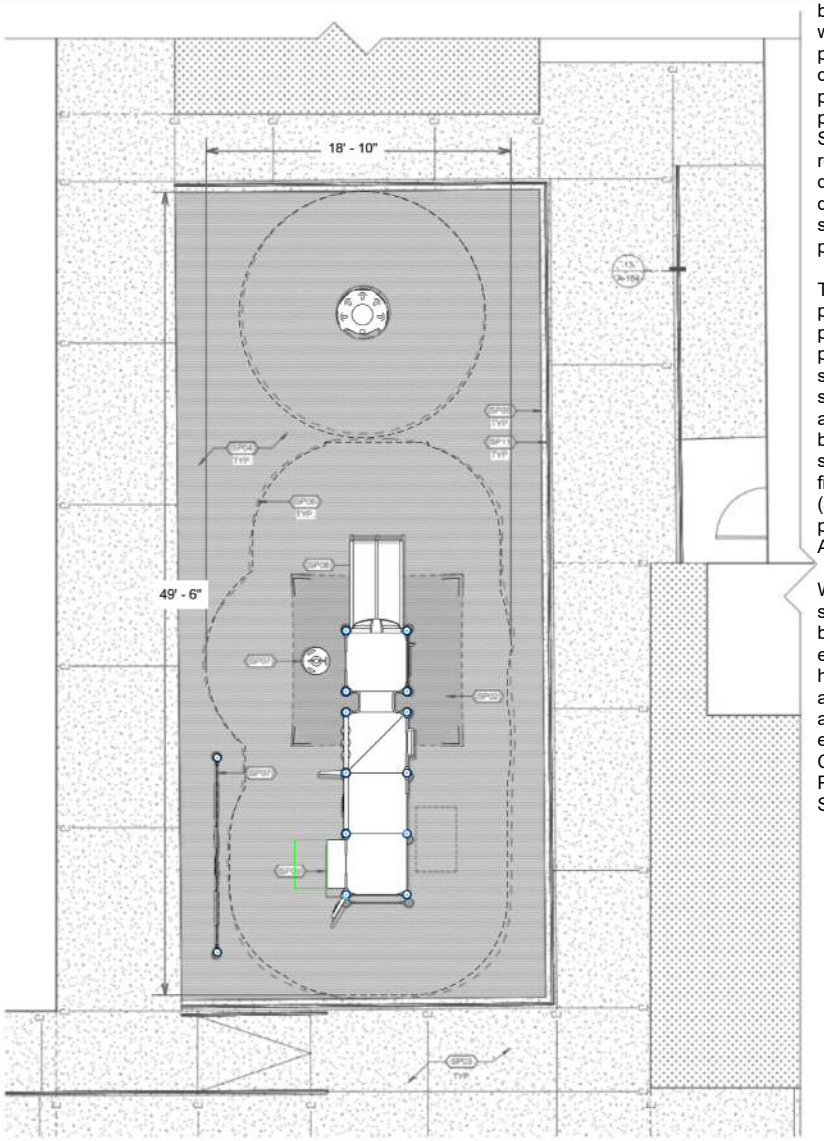
ADA ACCESSIBILITY GUIDELINES - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
6	6/3	0/0	9/2	8/2

R5

FOR KIDS AGES 2-12





GENERAL NOTES

This Preliminary Site Plan is based on measurements that were provided in the initial planning phase. All dimensions must be verified prior to the submission of a purchase order. Playcraft Systems will not be held responsible for any discrepancies between actual dimensions and dimensions submitted in the planning phase.

The Minimum Use Zone for a play structure is based on the product design at the time of proposal. Components and structure designs may be subject to change which may affect dimensions. Therefore, before preparing the site, we strongly recommend obtaining final drawings from the factory (available after the order is placed and included in the Assembly Manual).

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC'S Handbook For Public Playground Safety, Section 4: Surfacing.

PROJECT # PAC23B8EE6A
DATE 1/19/2024

Pacific Play Systems, Inc.

MIN. USE ZONE 19' x 50' (5.743m x 15.107m)

PLAYCRAFT SYSTEMS
A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

TOP VIEW

ADA ACCESSIBILITY GUIDELINES - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
5	5/3	0/0	3/2	2/2

CHILD CAPACITY 53 **MAX FALL HEIGHT** 36

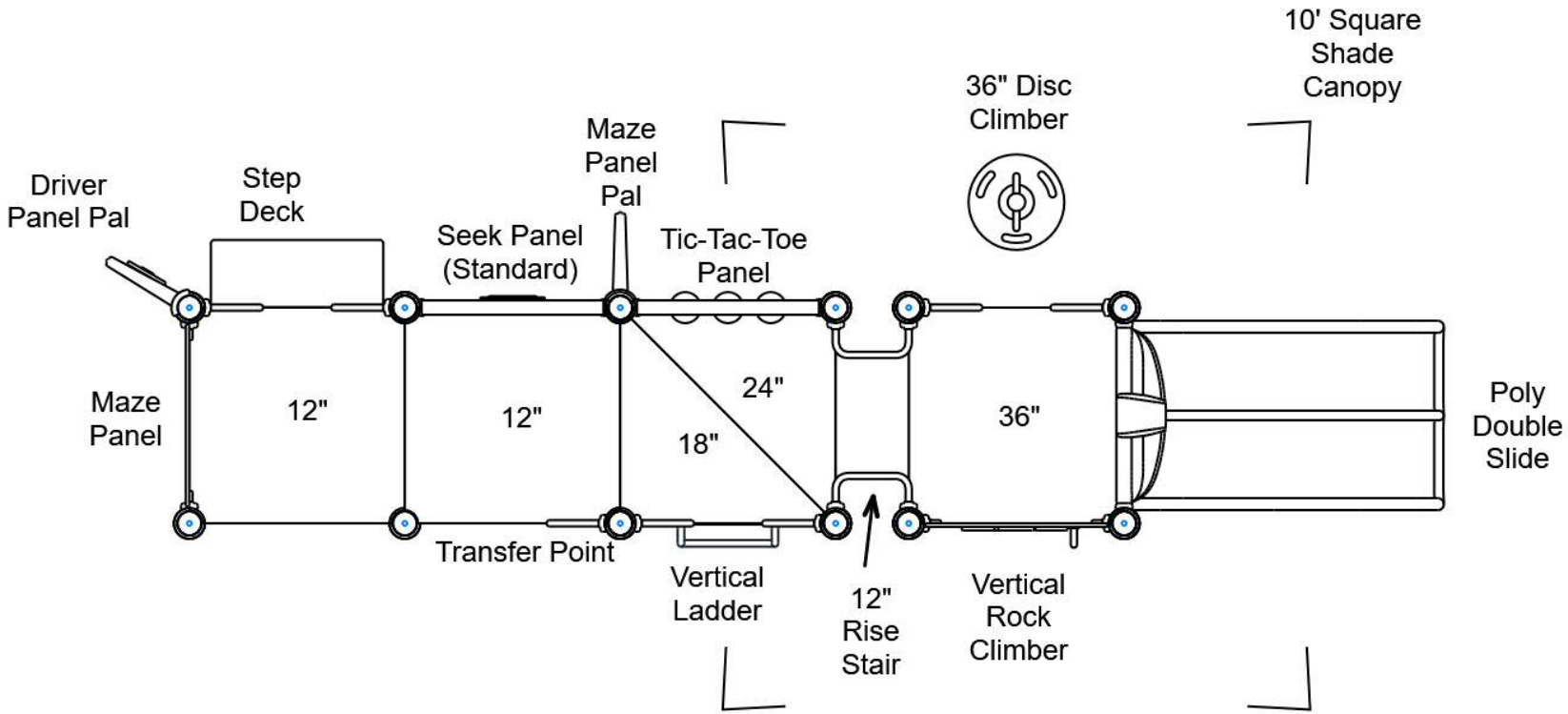
R5

FOR KIDS AGES 2-12

GENERAL NOTES

This conceptual plan is based on information provided prior to construction. Detailed site information, including the following, should be obtained, evaluated, and utilized in the final project design. Exact site dimensions, topography, existing utilities, soil conditions and drainage solutions.

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC'S Handbook For Public Playground Safety, Section 4: Surfacing.



STRUCTURE # R50AB3AAA
PROJECT # PAC23B8EE6A
DATE 1/19/2024

Pacific Play Systems, Inc.

MIN. USE ZONE 35' x 19' (10.393m x 5.743m)

PLAYCRAFT SYSTEMS A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

TOP VIEW (Footings)

1

ADA ACCESSIBILITY GUIDELINES - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
5	5/3	0/0	3/2	2/2

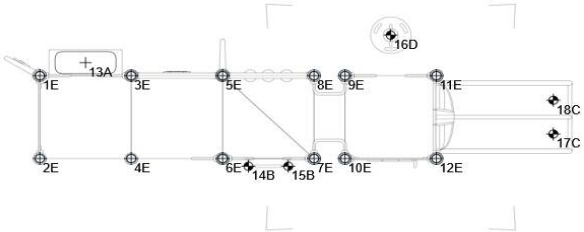
CHILD CAPACITY 53 **MAX FALL HEIGHT** 36

R5

FOR KIDS AGES 2-12

MOUNT LOCATIONS TABLE			
#	TYPE	SIZE/DEPTH	LOCATIONS
A	EFO	W:12" x L:30" x D:15.5"	1
B	EF12	W:12" x L:12" x D:18"	2
C	EF12	W:12" x L:12" x D:16.5"	2
D	EF24	W:24" x L:24" x D:36"	1
E	PostFooting	W:18" x L:18" x D:30"	12

MOUNT ORDINATE TABLE			
#	X	Y	DIAG
1	0'-0"	0'-0"	0'-0"
2	0'-0"	-3'-9"	3'-9"
3	3'-9"	0'-0"	3'-9"
4	3'-9"	-3'-9"	5'-4"
5	7'-6"	0'-0"	7'-6"
6	7'-6"	-3'-9"	8'-5"
7	11'-3"	-3'-9"	11'-10"
8	11'-3"	0'-0"	11'-3"
9	12'-6"	0'-0"	12'-6"
10	12'-6"	-3'-9"	13'-1"
11	16'-3"	0'-0"	16'-3"
12	16'-3"	-3'-9"	16'-8"
13	1'-11"	0'-7"	2'-0"
14	8'-7"	-4'-1"	9'-6"
15	10'-2"	-4'-1"	11'-0"
16	14'-5"	1'-10"	14'-6"
17	21'-1"	-2'-8"	21'-3"
18	21'-1"	-1'-1"	21'-1"



STRUCTURE # R50AB3AAA
PROJECT # PAC23B8EE6A
DATE 1/19/2024

Pacific Play Systems, Inc.

MIN. USE ZONE 35' x 19' (10.393m x 5.743m)

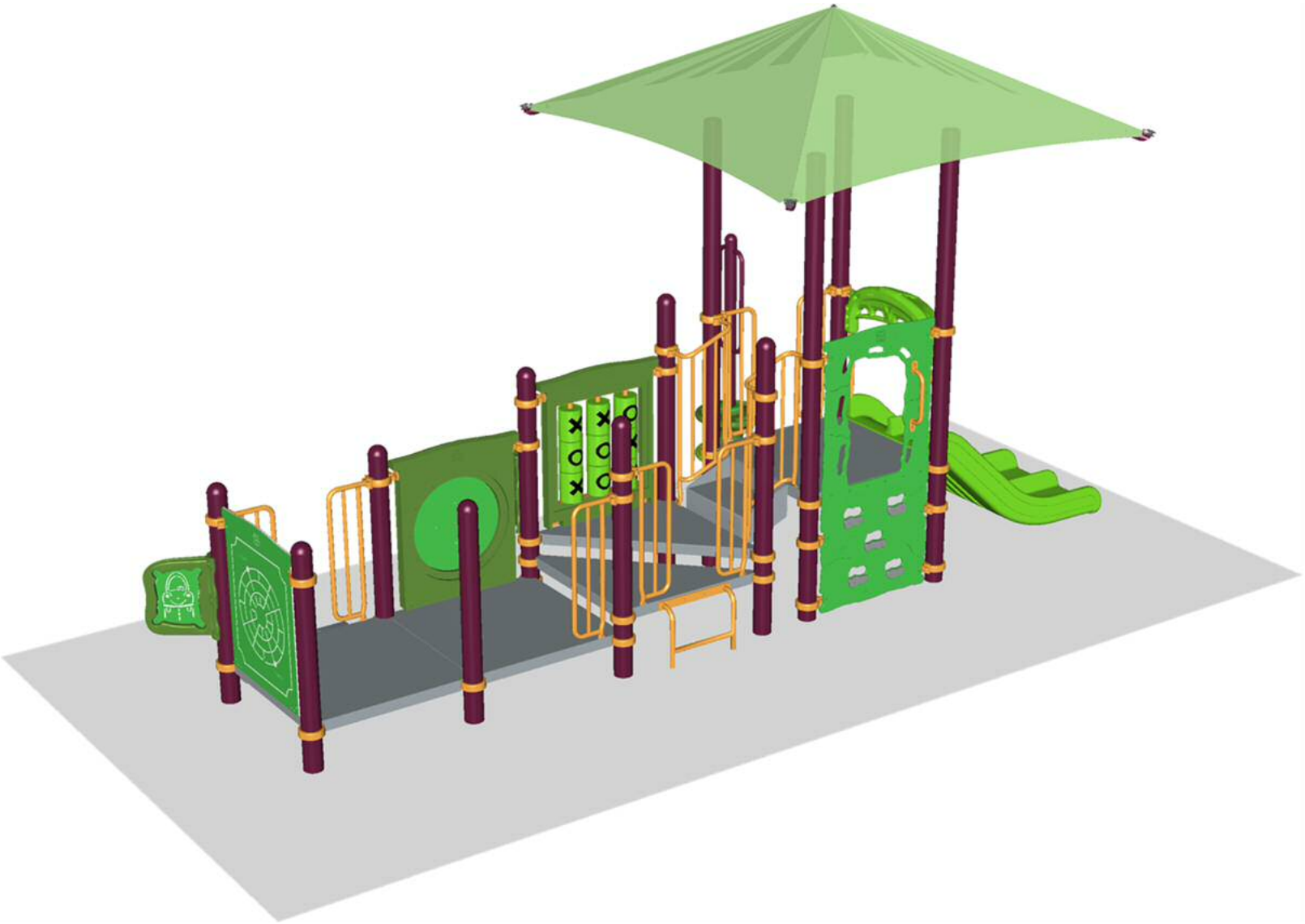
PLAYCRAFT SYSTEMS A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

SW VIEW

R5

FOR KIDS
AGES
2-12



STRUCTURE # R50AB3AAA
PROJECT # PAC23B8EE6A
DATE 1/19/2024

PLAYCRAFT SYSTEMS
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SMITH ELEMENTARY SPECIAL EDUCATION

SE VIEW

R5

FOR KIDS
AGES
2-12

STRUCTURE # R50AB3AAA
PROJECT # PAC23B8EE6A
DATE 1/19/2024

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NE VIEW

R5

FOR KIDS
AGES
2-12

STRUCTURE # R50AB3AAA
PROJECT # PAC23B8EE6A
DATE 1/19/2024

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SMITH ELEMENTARY SPECIAL EDUCATION

NW VIEW

R5

FOR KIDS
AGES
2-12

STRUCTURE # R50AB3AAA
PROJECT # PAC23B8EE6A
DATE 1/19/2024

PLAYCRAFT SYSTEMS
A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

TOP VIEW

ADA ACCESSIBILITY GUIDELINES - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
0	0/0	0/0	5/0	3/0

CHILD CAPACITY 5 **MAX FALL HEIGHT** 0

R5

FOR KIDS AGES 2-12

GENERAL NOTES

This conceptual plan is based on information provided prior to construction. Detailed site information, including the following, should be obtained, evaluated, and utilized in the final project design. Exact site dimensions, topography, existing utilities, soil conditions and drainage solutions.

WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC'S Handbook For Public Playground Safety, Section 4: Surfacing.

Sensory Play Wall Cognitive

STRUCTURE # R5095B58A
PROJECT # PAC23B8EE6A
DATE 1/19/2024

Pacific Play Systems, Inc.

MIN. USE ZONE 13' x 1' (3.784m x 0.127m)

PLAYCRAFT SYSTEMS A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

TOP VIEW (Footings)

1

ADA ACCESSIBILITY GUIDELINES - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
0	0/0	0/0	5/0	3/0

CHILD CAPACITY 5 **MAX FALL HEIGHT** 0

R5

FOR KIDS AGES 2-12

MOUNT LOCATIONS TABLE			
#	TYPE	SIZE/DEPTH	LOCATIONS
A	EF12	W:12" x L:12" x D:18"	2
B	PostFooting	W:18" x L:18" x D:30"	2

MOUNT ORDINATE TABLE			
#	X	Y	DIAG
1	0'-0"	0'-0"	0'-0"
2	12'-0"	0'-0"	12'-0"
3	4'-2"	0'-0"	4'-2"
4	7'-10"	0'-0"	7'-10"

STRUCTURE # R5095B58A
PROJECT # PAC23B8EE6A
DATE 1/19/2024

Pacific Play Systems, Inc.

MIN. USE ZONE 13' x 1' (3.784m x 0.127m)

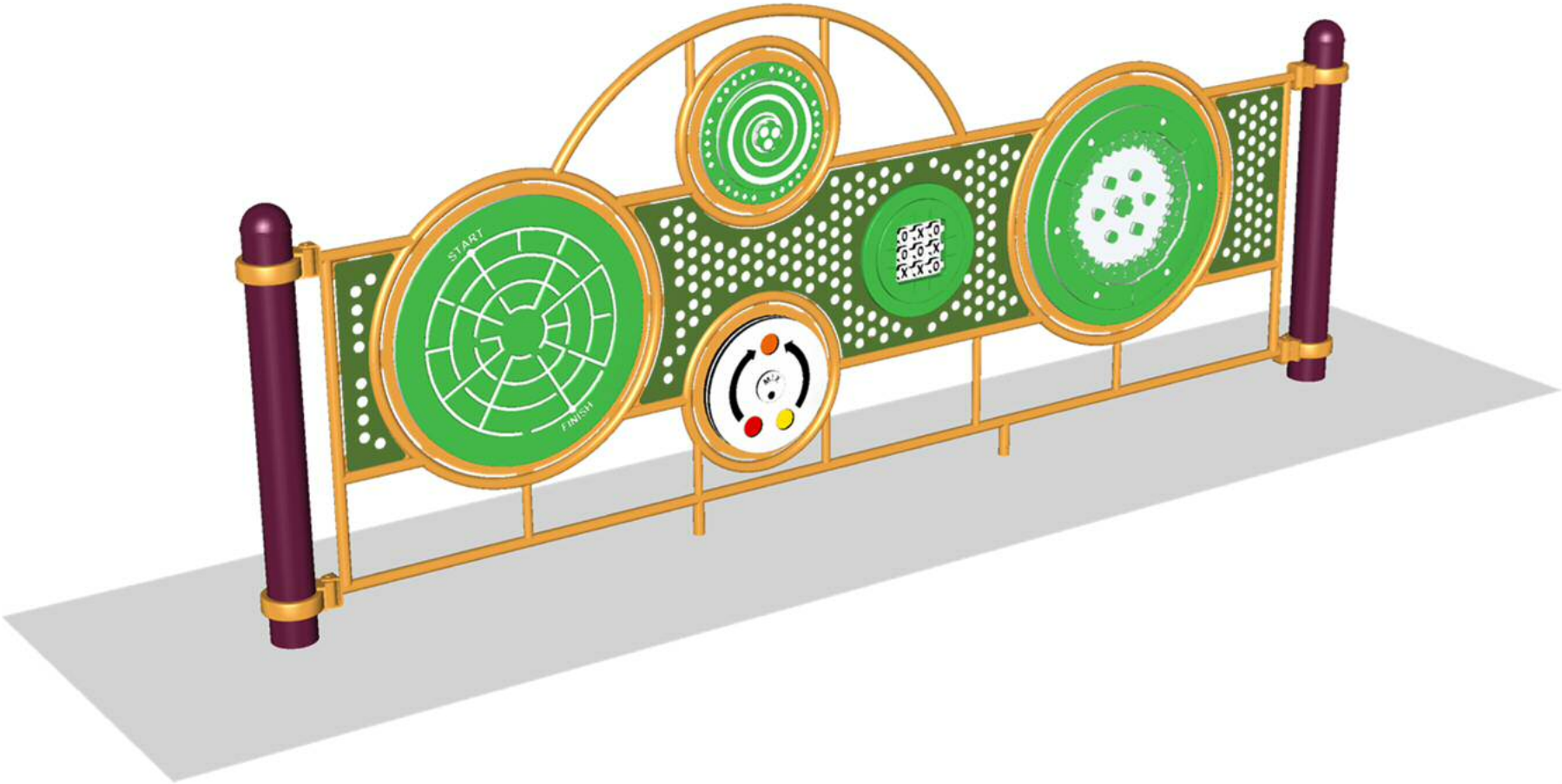
PLAYCRAFT SYSTEMS A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

SW VIEW

R5

FOR KIDS
AGES
2-12



STRUCTURE # R5095B58A
PROJECT # PAC23B8EE6A
DATE 1/19/2024

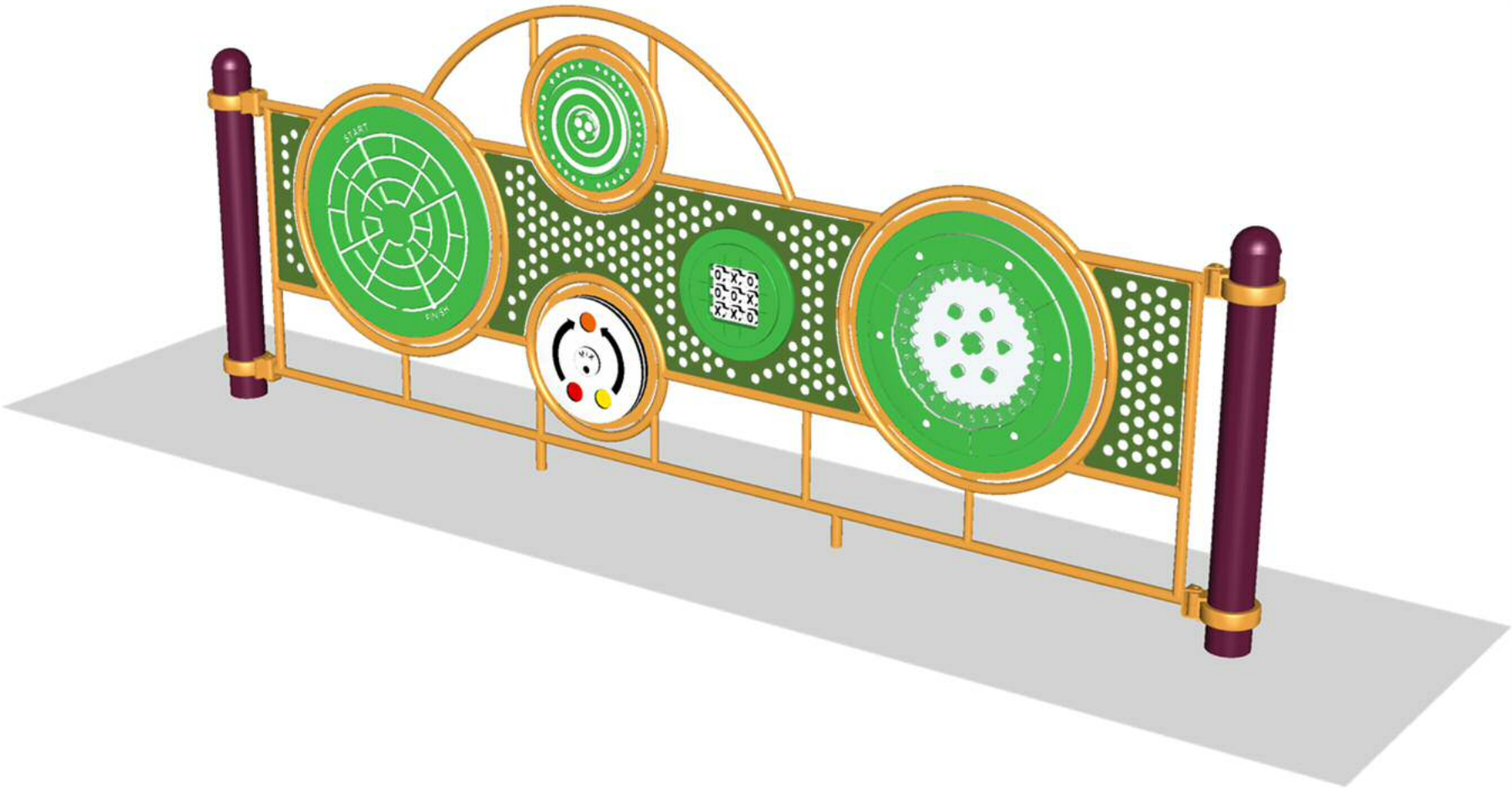
PLAYCRAFT SYSTEMS
A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

SE VIEW

R5

FOR KIDS
AGES
2-12



STRUCTURE # R5095B58A
PROJECT # PAC23B8EE6A
DATE 1/19/2024

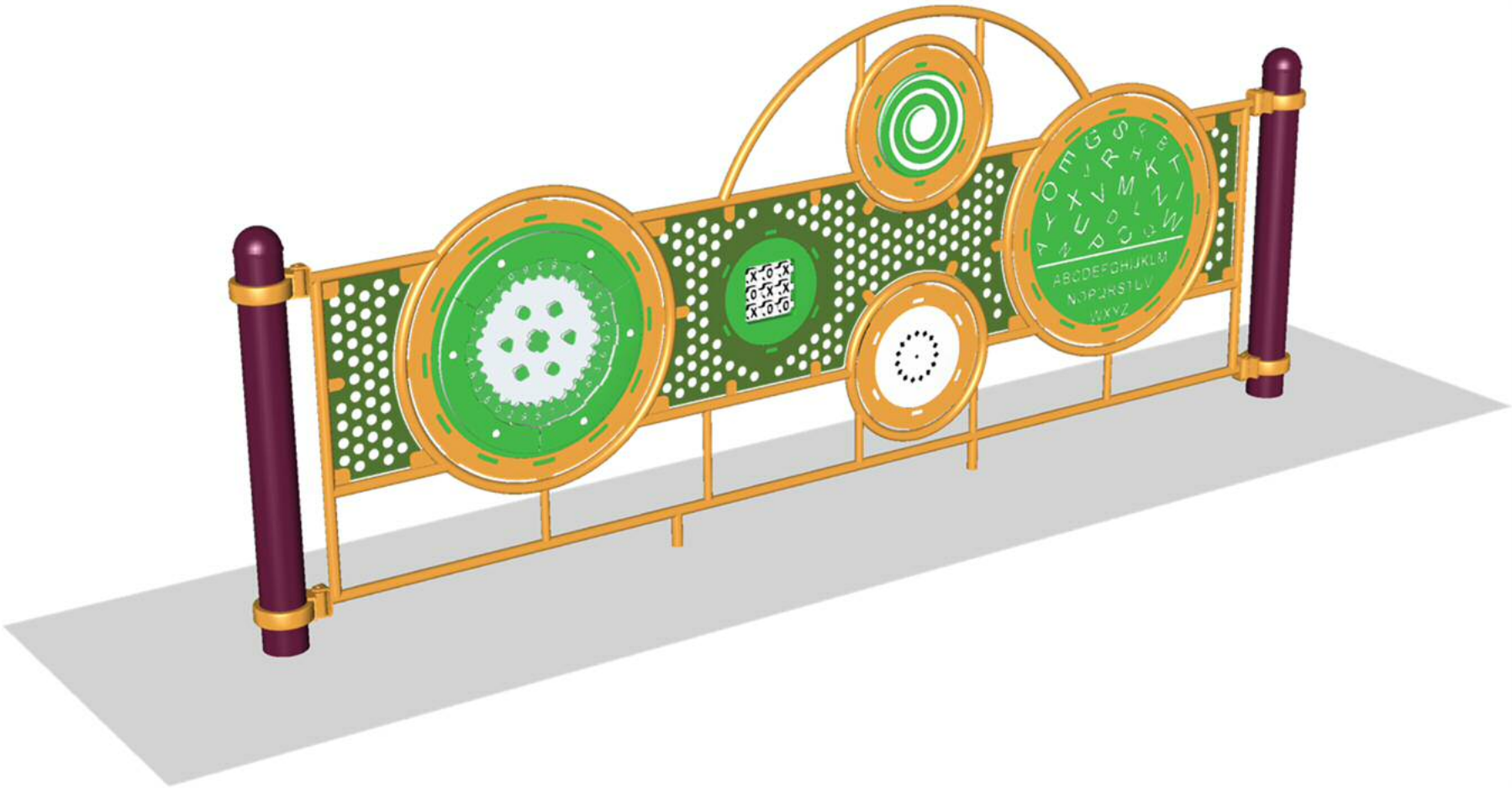
PLAYCRAFT SYSTEMS
A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

NE VIEW

R5

FOR KIDS
AGES
2-12



STRUCTURE # R5095B58A
PROJECT # PAC23B8EE6A
DATE 1/19/2024

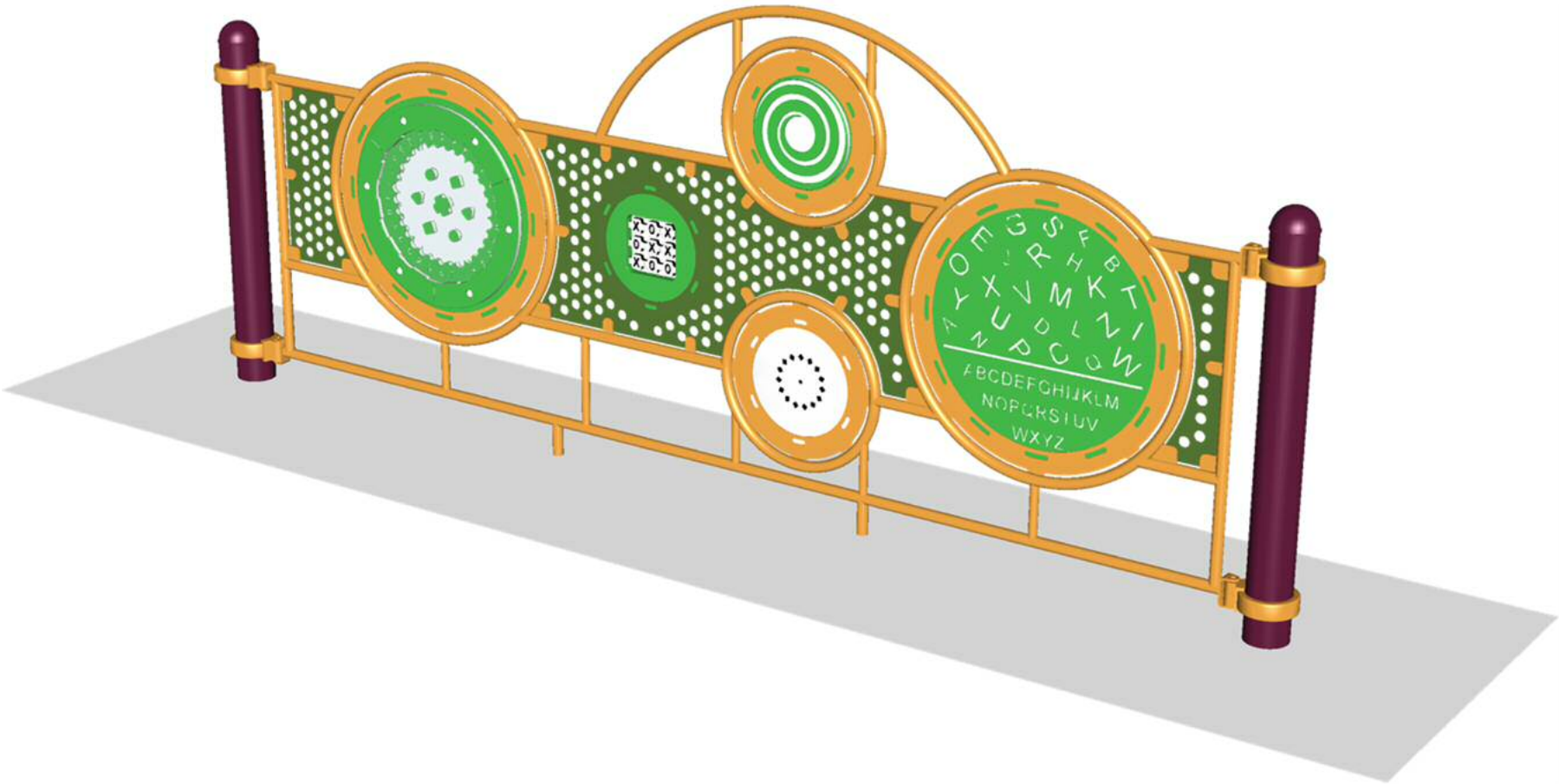
PLAYCRAFT SYSTEMS
A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

NW VIEW

R5

FOR KIDS
AGES
2-12



STRUCTURE # R5095B58A
PROJECT # PAC23B8EE6A
DATE 1/19/2024

PLAYCRAFT SYSTEMS
A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

TOP VIEW

ADA ACCESSIBILITY GUIDELINES - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
0	0/0	0/0	1/0	1/0

CHILD CAPACITY 2 **MAX FALL HEIGHT** 12

FOR KIDS
AGES
2-12

GENERAL NOTES

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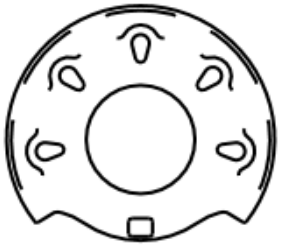
WARNING: Accessible safety surfacing material is required beneath and around this equipment that has a critical height value (Fall Height) appropriate for the highest accessible part of this equipment. Refer to the CPSC'S Handbook For Public Playground Safety, Section 4: Surfacing.

PC
2478
SPIN
MAX
POD



STRUCTURE # FREPC2478
PROJECT # PAC23B8EE6A
DATE 1/19/2024

Pacific Play Systems, Inc.

MIN. USE ZONE 16' x 16' (4.628m x 4.628m)

PLAYCRAFT SYSTEMS
A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

TOP VIEW (Footings)

1

ADA ACCESSIBILITY GUIDELINES - ADAAG CONFORMANCE

ELEVATED	ACCESSIBLE	RAMP ACCESSIBLE	GROUND	TYPES
0	0/0	0/0	1/0	1/0

CHILD CAPACITY 2 **MAX FALL HEIGHT** 12

FOR KIDS
AGES
2-12

MOUNT LOCATIONS TABLE			
#	TYPE	SIZE/DEPTH	LOCATIONS
A	EF36	W:36" x L:36" x D:36"	1

MOUNT ORDINATE TABLE			
#	X	Y	DIAG

STRUCTURE # FREPC2478
PROJECT # PAC23B8EE6A
DATE 1/19/2024

Pacific Play Systems, Inc.

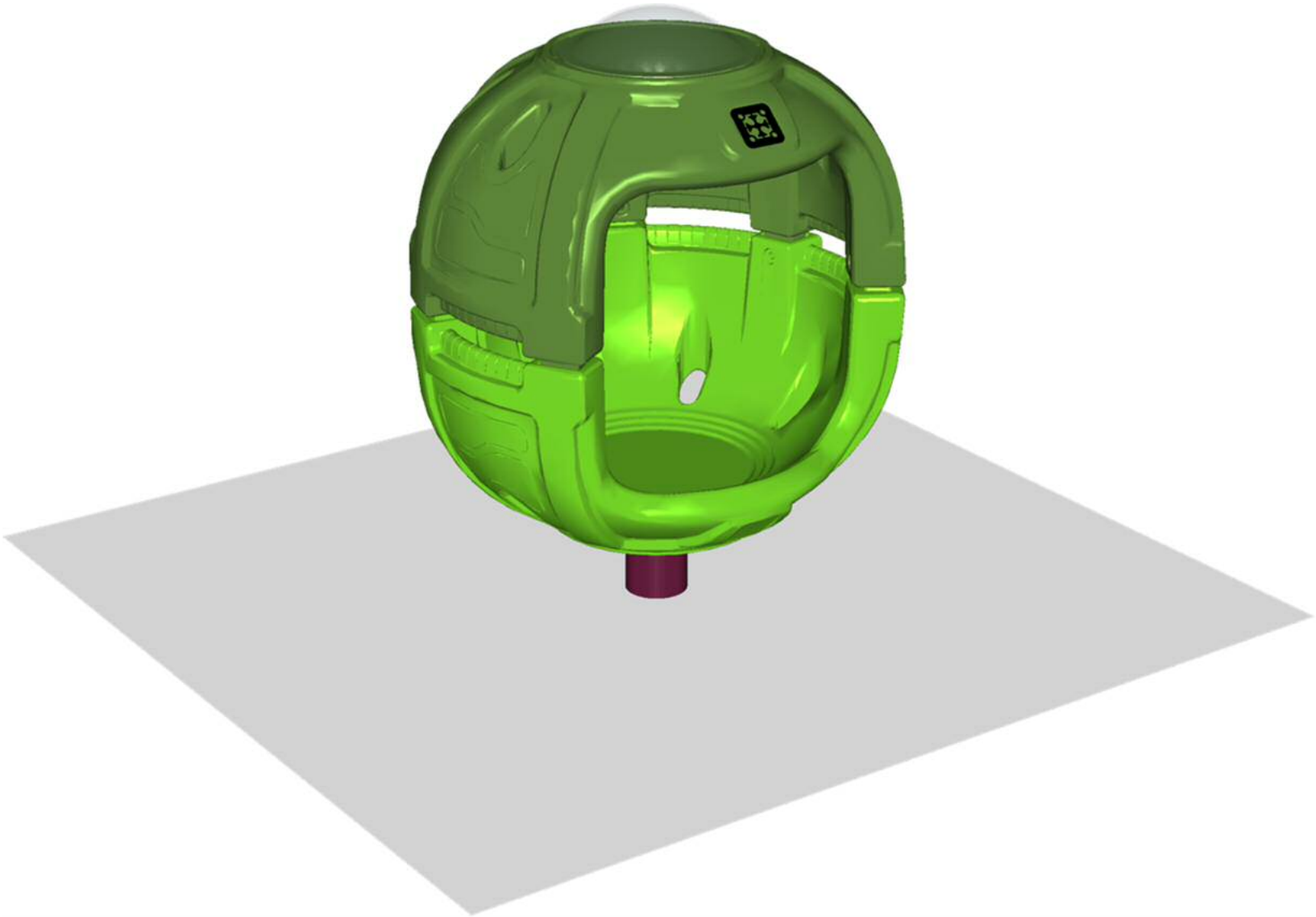
MIN. USE ZONE 16' x 16' (4.628m x 4.628m)

PLAYCRAFT SYSTEMS
A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

SW VIEW

FOR KIDS
AGES
2-12



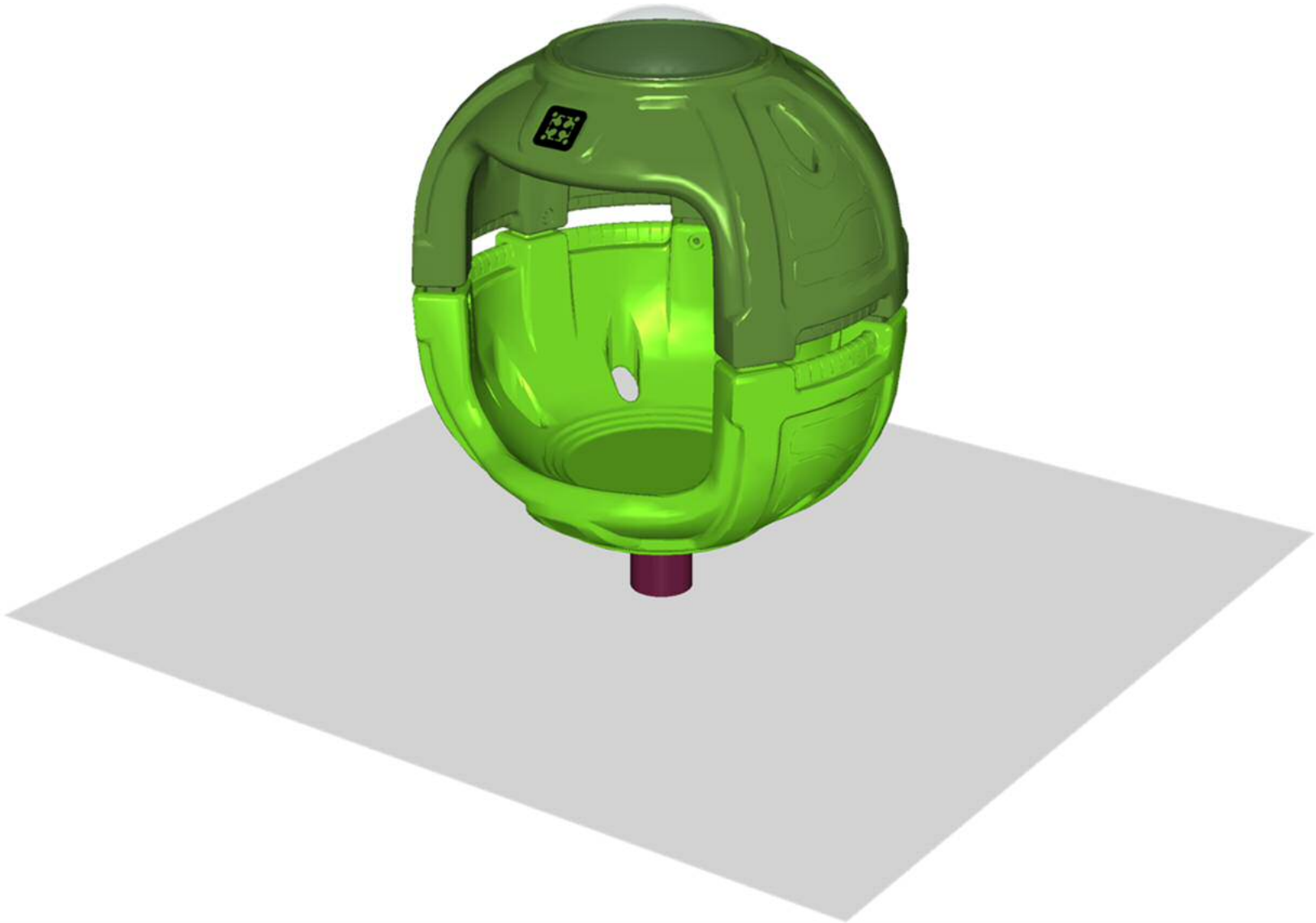
STRUCTURE # FREPC2478
PROJECT # PAC23B8EE6A
DATE 1/19/2024

PLAYCRAFT SYSTEMS
A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

SE VIEW

FOR KIDS
AGES
2-12



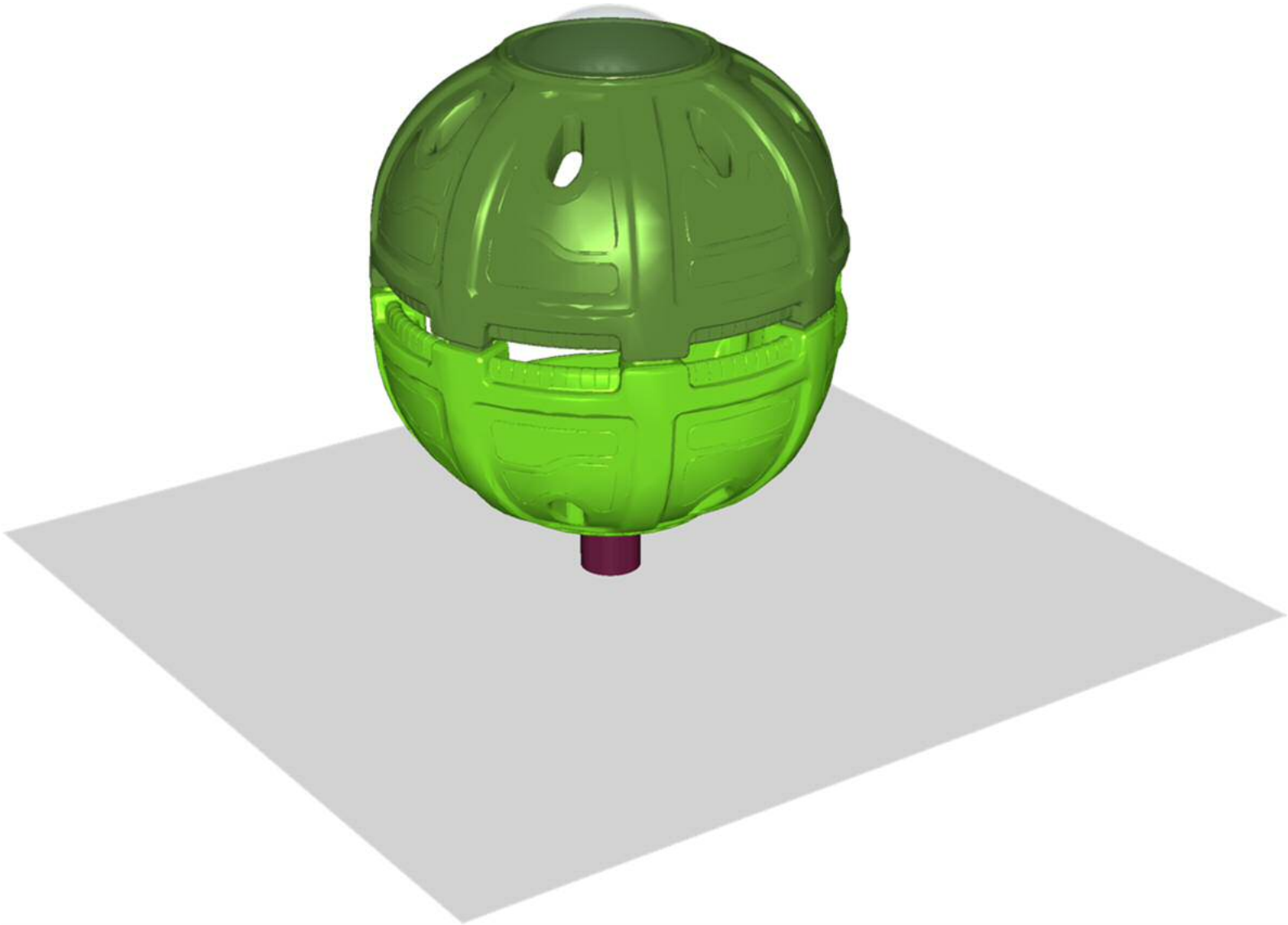
STRUCTURE # FREPC2478
PROJECT # PAC23B8EE6A
DATE 1/19/2024

PLAYCRAFT SYSTEMS
A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

NE VIEW

FOR KIDS
AGES
2-12



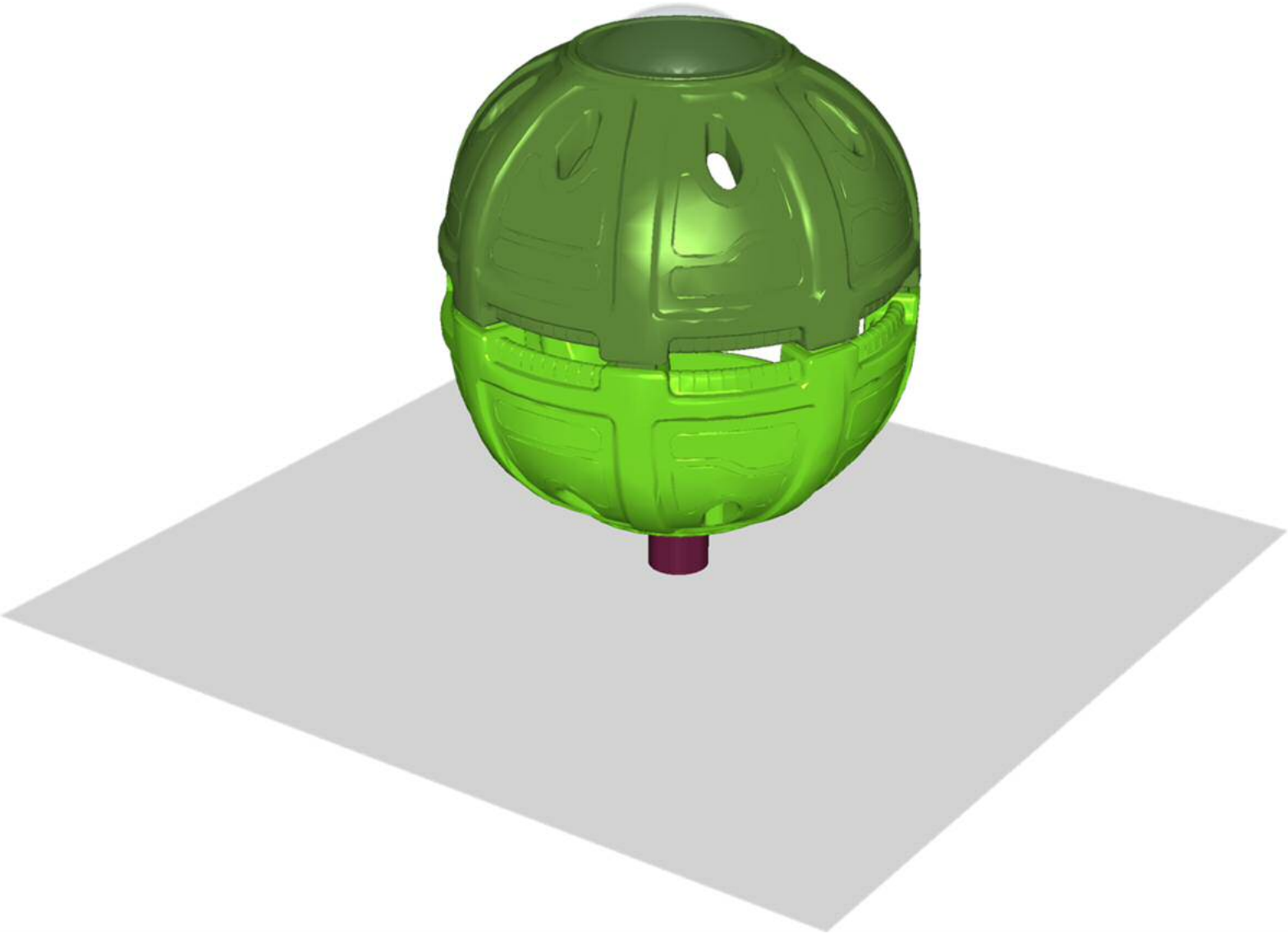
STRUCTURE # FREPC2478
PROJECT # PAC23B8EE6A
DATE 1/19/2024

PLAYCRAFT SYSTEMS
A PLAYCORE Company

SMITH ELEMENTARY SPECIAL EDUCATION

NW VIEW

FOR KIDS
AGES
2-12



STRUCTURE # FREPC2478
PROJECT # PAC23B8EE6A
DATE 1/19/2024

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Bill of Materials

SMITH ELEMENTARY SPECIAL EDUCATION

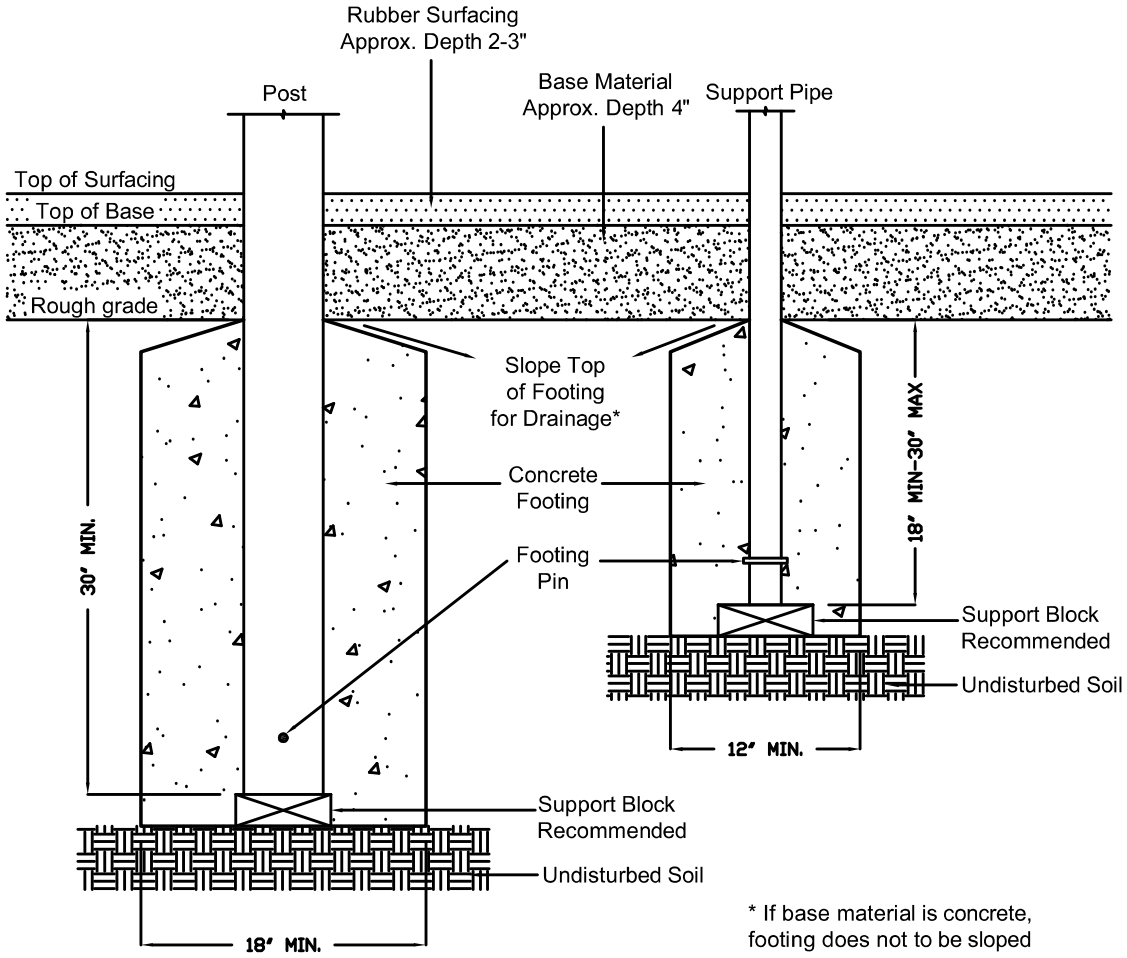
Project # PAC23B8EE6A **Date** 1/19/2024

Item / Part Number	Description	Qty
[R50AB3AAA]		
HS-1004-R	Collars	37
GF-7002	Dome Cap, R5	8
S-1008-R5-08ft	Post, 08ft R5	4
S-1009-R5-09ft	Post, 09ft R5	2
S-1010-R5-10ft	Post, 10ft R5	2
S-1014-R5-14ft	Post, 14ft R5	4
S-1101-R5	Square Deck	3
S-1105-R5	Half Deck	2
S-1202-R5	Step Deck, 12in	1
S-1206-12R5	ADA Stairs, 12in Rise w/ Walls	1
S-1210-24	Climber, Vertical Ladder 18-24in	1
S-1233-3-HW	Climber, Disc 30-36in (w/ HW)	1
S-1237-3R5	Climber, Vertical Rock 30-36in	1
S-1306-R5	Double Slide SitDown Hood	1
S-1309-2-R5	Half Walls (Pair) R5	2
S-1309-R5	Transfer Point (Half Wall - Right)	1
S-1607-R5	Maze Panel	1
S-1616-R5	Tic-Tac-Toe Panel	1
S-1618-R5	Seek Panel (Standard)	1
S-1663-R5	Panel Pal, Maze	1
S-1667-R5	Panel Pal, Driver	1
S-1702-3R5	Slide, Double 36in	1
S-18021-10R5	Shade Canopy, 10ft Square	1
[R5095B58A]		
HS-1004-R	Collars	5
GF-7002	Dome Cap, R5	2
S-1007-R5-07ft	Post, 07ft R5	2
S-1981-SWC	Sensory Play Wall (Cognitive)	1
[FREPC2478]		
A2-2478	PC 2478 Spin Max Pod	1

CONCRETE FOOTINGS

06.1

IMPORTANT: The footing depth for support posts and other equipment must be adjusted to compensate for depth / thickness requirements of the selected impact attenuating safety surface. (i.e. wood chips vs. rubber matting).



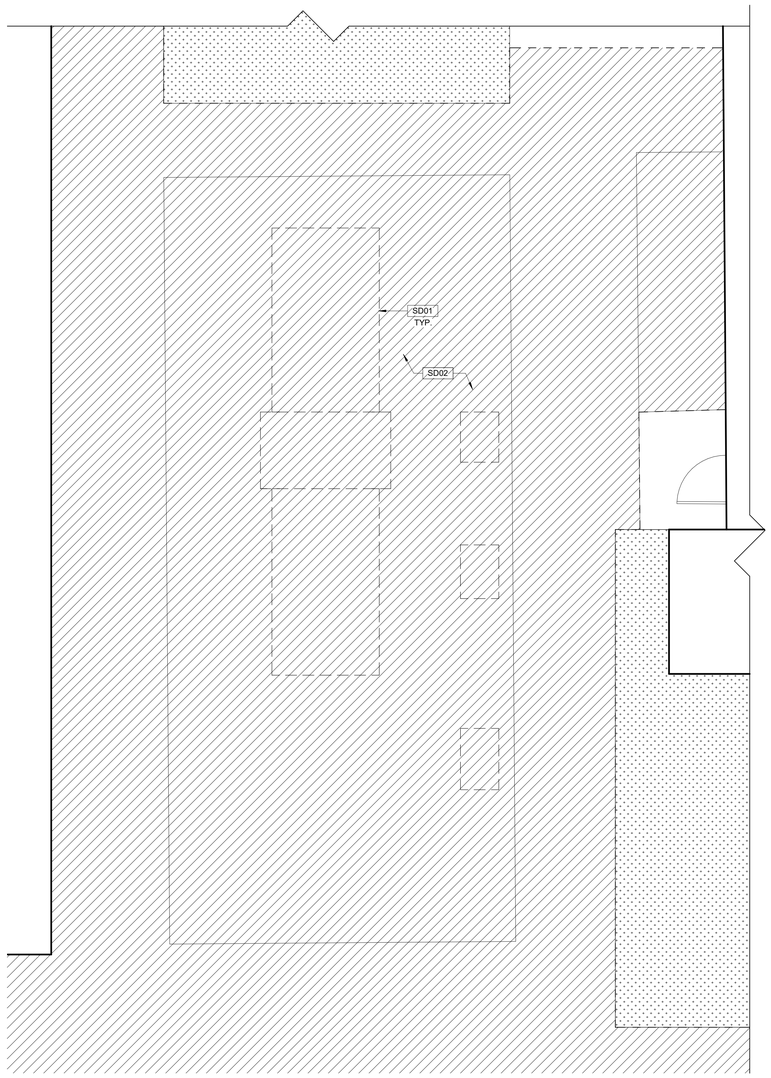
* If base material is concrete, footing does not to be sloped

* Refer to mounting tables for measurements.

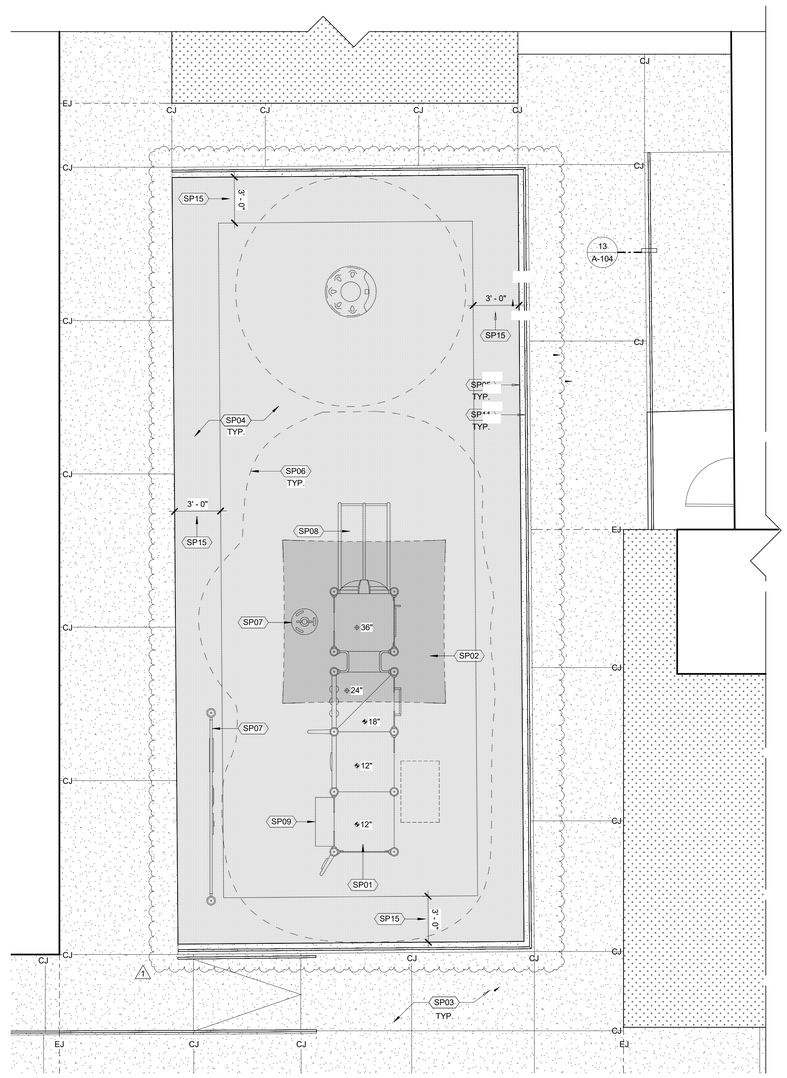
Figure 6.1.

IMPORTANT:

1	Use more concrete as required for supporting activities with movement such as the Track Rides, Traverses, Chinning Bars and Swings.
2	See specific Swing Assembly Instructions for swing post footings and ground cover requirements.
3	Larger footings (more concrete) may also be required due to weather conditions and poor (unstable, loose or granitic) soil. Before changing footing dimensions we recommend that the footings be reviewed and approved by a registered Engineer.
4	Base of the footing must be below the frost line. Determine depth of frost line for your area and adjust footing depth (not post and support depth) as required.



1 ENLARGED DEMO PLAYGROUND
SCALE: 1/4" = 1'-0"



2 ENLARGED PLAYGROUND
SCALE: 1/4" = 1'-0"

DEMO KEYNOTES

SD01	REMOVE EXISTING PLAYGROUND EQUIPMENT AND ASSOCIATED FOOTINGS.
SD02	REMOVE EXISTING PLAYGROUND SAFETY SURFACE.

NEW WORK KEYNOTES

SP01	ELEMENTARY SCHOOL PLAYGROUND EQUIPMENT. OWNER FURNISHED CONTRACTOR INSTALLED. INSTALLER MUST BE A CERTIFIED PLAYGROUND EQUIPMENT INSTALLER. 1
SP02	10'-0" x 10'-0" SAIL SHADE STRUCTURE ABOVE.
SP03	CONCRETE PAVING. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
SP04	PLAYGROUND RUBBERIZED SAFETY SURFACE. ROSEHILL TPV COLOR AS USED BY PLAYMAX. 60% BEIGE, 20% STANDARD BLUE, 20% BLACK. 1
SP05	8" WIDE CONCRETE CURB.
SP06	FALL ZONE OUTLINE.
SP07	GROUND LEVEL COMPONENT.
SP08	ELEVATED LEVEL COMPONENT.
SP09	PROVIDE PAINTED CONTRASTING STRIPE MINIMUM 2" WIDE x FULL STAIR LENGTH PLACED NO MORE THAN 1 INCH FROM THE NOSE OF THE STAIR. COLOR TO BE "CAUTION YELLOW". TYP. AT ALL STEPS.
SP11	WROUGHT IRON 4'-0" FENCE.
SP15	PLAYGROUND RUBBERIZED SAFETY SURFACE. 3'-0" WIDE PERIMETER BAND ALL AROUND. ROSEHILL TPV COLOR AS USED BY PLAYMAX. STANDARD BLUE RH20. 1

LEGEND

ASSUMED PROPERTY LINE

EXISTING FENCE LINE

(E) BUILDING

(E) TURF / LANDSCAPING

DEMO

(N) AC PAVING

(N) CONCRETE PAVING

(N) RUBBERIZED SAFETY SURFACE

EJ — EXPANSION JOINTS (EJ) PER DETAIL 1/A-104

CJ — CONTROL JOINTS (CJ) PER DETAIL 2/A-104

1 "12","18","24","36" — PLAYGROUND PLATFORM ELEVATIONS

PLAYGROUND NOTES

1. RECOMMENDED AGES: 2-12
2. PLAY STRUCTURE AND LAYOUT OF COMPONENTS CONFORM TO ASTM F-1487-17 AND CPSC#325 GUIDELINES AND CCR TITLE 22, DIVISION 4, CHAPTER 22.
3. CRITICAL FALL HEIGHT OF OVERALL PLAY AREA: 36".

NUMBER AND TYPES OF GROUND LEVEL PLAY COMPONENTS REQUIRED TO BE ON ACCESSIBLE ROUTES

# OF ELEVATED PLAY COMPONENTS PROVIDED	6
# OF ELEVATED PLAY COMPONENTS ACCESSIBLE BY TRANSFER	11
MINIMUM # OF GROUND COMPONENTS REQUIRED	2
MINIMUM # OF GROUND COMPONENTS PROVIDED	8
MINIMUM # OF DIFFERENT TYPES OF GROUND LEVEL PLAY COMPONENTS REQUIRED	2
MINIMUM # OF DIFFERENT TYPES OF GROUND LEVEL PLAY COMPONENTS PROVIDED	3

NOTE:
FOR MORE INFORMATION SEE GROUND LEVEL AND ELEVATED PLAY COMPONENTS TABLE, DETAIL 30/A-104.

APPROVAL

PCK ARCHITECTS

ARCHITECT STAMP

LICENSED ARCHITECT — LEONARD ZERMENO — NO. C33951 REN. 10-31-23 — STATE OF CALIFORNIA

CONSULTANT STAMP

CONSULTANT LOGO

PLAYGROUND ENHANCEMENTS @ GERALD A. SMITH ELEMENTARY SCHOOL

COLTON JOINT UNIFIED SCHOOL DISTRICT

NO.	DATE	ISSUE
1	01/25/2024	ADDENDUM NO. 01

PROJECT NO. 11951

DRAWN BY DS — CHECKED BY LZ

DATE 11/27/23

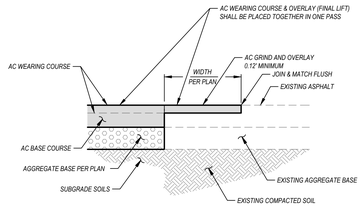
DRAWING TITLE

ENLARGED PLAYGROUND PLANS

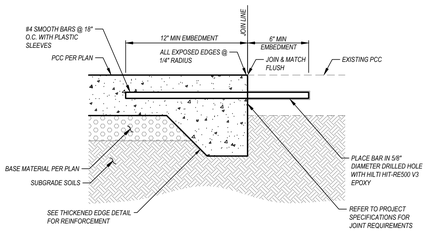
A-102

D:\Revit Local\11951- Playground Enhancement at Gerald A Smith ES_Central_dschoening\EXCGF.rvt

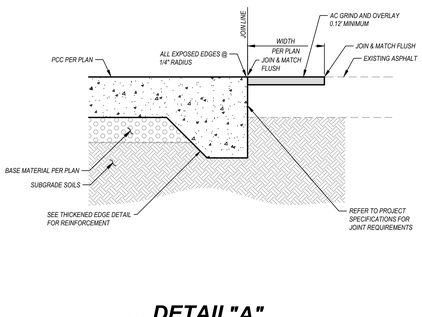
2/5/2024 4:45:38 PM



GRIND AND OVERLAY



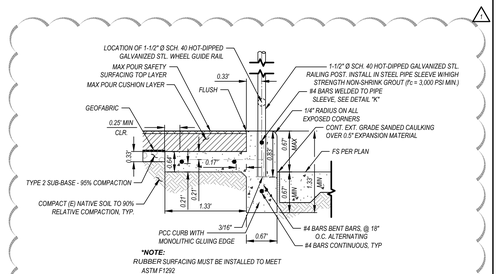
DOWELING DETAIL AT EXISTING PCC



DETAIL"A"

12 13 JOIN & MATCH ASPHALT

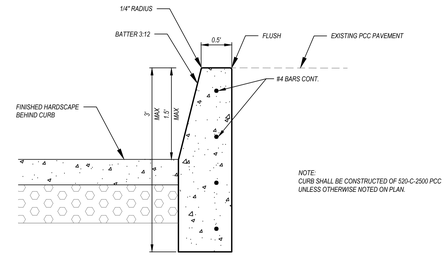
NOT TO SCALE



DETAIL "C"

21 CURB CONDITION WITH RAILING POST

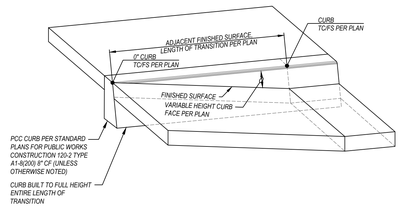
NOT TO SCALE



DETAIL "G"

20 MODIFIED CURB

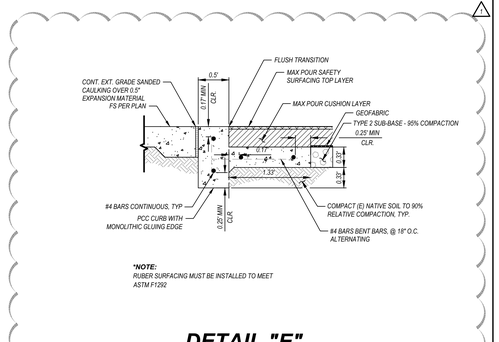
NOT TO SCALE



DETAIL "D"

22 CURB TRANSITION

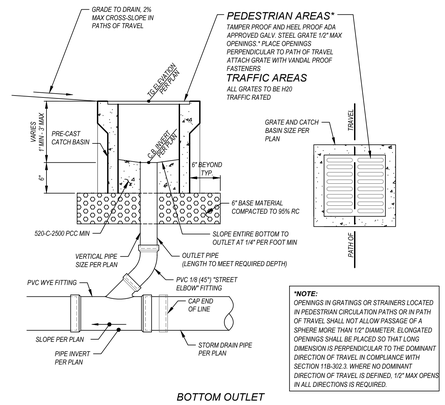
NOT TO SCALE



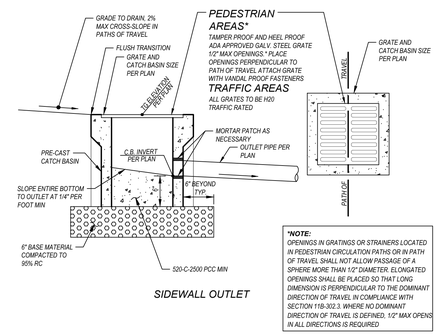
DETAIL "E"

23 FLUSH CURB CONDITION

NOT TO SCALE



BOTTOM OUTLET

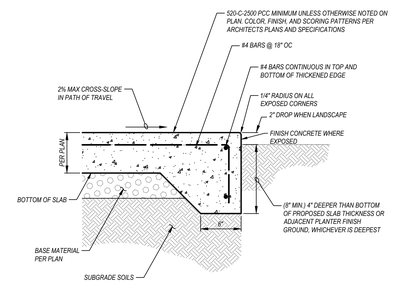


SIDEWALL OUTLET

DETAIL "H"

50 PRECAST PCC CATCH BASINS

NOT TO SCALE



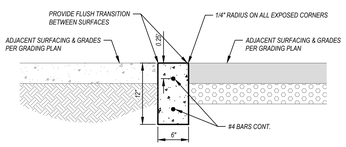
DETAIL"B"

16 PCC WITH THICKENED EDGE

NOT TO SCALE

NOTES:

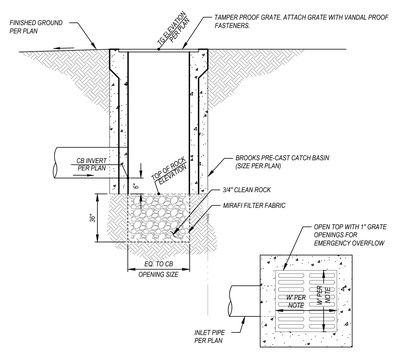
1. CURB SHALL BE CONSTRUCTED OF 520-C-2500 PCC, MINIMUM (UNLESS OTHERWISE NOTED ON PLAN)
2. TC AND FS ELEVATIONS PER GRADING PLAN



DETAIL "F"

24 0" PCC CURB

NOT TO SCALE



DETAIL "I"

51 STORM DRAIN BUBBLER

NOT TO SCALE

GRADING CONSTRUCTION NOTES

10 PROTECT IN PLACE EXISTING ITEM

11 ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE

12 JOIN PROPOSED SURFACE TO EXISTING SURFACE PER DETAIL "A" ON SHEET C-5.1 WITH FLUSH TRANSITION, MATCH GRADE. DOWELING FOR PCC ONLY

13 GRIND AND OVERLAY EXISTING ASPHALT SURFACE 0.12' MINIMUM PER DETAIL "A" ON SHEET C-5.1. WITH FLUSH TRANSITION, MATCH GRADE

14 SEE SITE UTILITY PLAN FOR IDENTIFICATION OF OBJECT

15 CONSTRUCT 3" AC OVER 6" CRUSHED AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION, AND 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION. STRUCTURAL SECTION IS TENTATIVE. SOIL TESTING SHALL BE PERFORMED PRIOR TO GRADING TO DETERMINE STRUCTURAL SECTION REQUIREMENTS.

16 CONSTRUCT 4" PCC (520-C-2500) WITH #4 BARS 18" O.C. BOTH WAYS. OVER 18" SUBGRADE COMPACTED TO MINIMUM 90% RELATIVE COMPACTION. WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-5.1 SCORING PATTERNS, COLOR AND FINISH PER ARCHITECTS PLANS AND SPECIFICATIONS

17 CONSTRUCT CURB TYPE A1-6 PER SPPWC STANDARD PLAN 120-2 ON SHEET C-5.1

18 FURNISH AND INSTALL SITE FENCING / RAILING / GATES PER ARCHITECT'S PLANS AND SPECIFICATIONS

19 FURNISH AND INSTALL RAILING PER ARCHITECT'S PLANS AND SPECIFICATIONS

20 CONSTRUCT POST SLEEVE AT LANDING PER ARCHITECT'S DETAIL 12 ON SHEET A-104

21 FURNISH AND INSTALL PLAYGROUND PROTECTIVE SURFACE PER ARCHITECT'S SPECIFICATIONS AND PER RAILING POST DETAIL"C" ON SHEET C-5.1

22 CONSTRUCT PCC (520-C-2500) CURB TRANSITION PER DETAIL "D" ON SHEET C-5.1

23 FURNISH AND INSTALL PLAYGROUND PROTECTIVE SURFACE PER ARCHITECT'S SPECIFICATIONS AND PER FLUSH DETAIL"E" ON SHEET C-5.1

24 CONSTRUCT 0" PCC (520-C-2500) CURB ONLY PER DETAIL "F" ON SHEET C-5.1

25 CONSTRUCT MODIFIED CURB TYPE A1-6 PER DETAIL "G" ON SHEET C-5.1

26 FURNISH AND INSTALL TRUNCATED DOMES PER ARCHITECT'S PLANS AND SPECIFICATIONS

UTILITY CONSTRUCTION NOTES

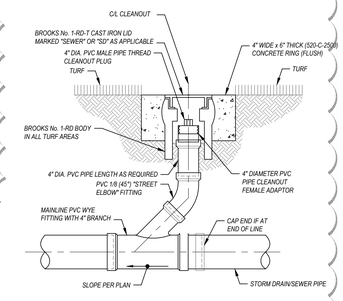
FURNISH & INSTALL ALL PIPING PER UTILITY TABLES ON SHEET C-3.1

STORM DRAIN

50 FURNISH & INSTALL 12" X 12" PREFABRICATED CATCH BASIN (J&R CB1212 OR APPROVED EQUAL) PER DETAIL "H" ON SHEET C-5.1

51 FURNISH & INSTALL 12" X 12" PREFABRICATED STORM DRAIN BUBBLER (J&R CB1212 OR APPROVED EQUAL) PER DETAIL "I" ON SHEET C-5.1

52 CONSTRUCT PVC STORM DRAIN CLEANOUT PER DETAIL "J" ON SHEET C-5.1

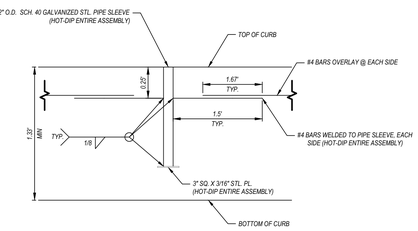


CLEANOUT IN GRASSY AREAS

DETAIL"J"

52 PVC PIPE CLEANOUT

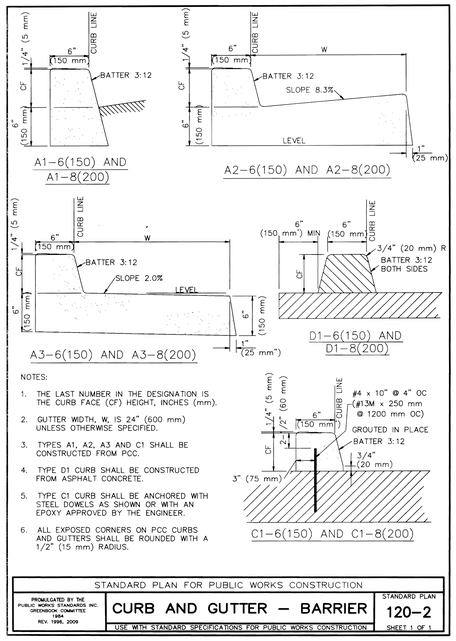
NOT TO SCALE



DETAIL "K"

SLEEVE ELEVATION

NOT TO SCALE



APPROVAL

PCE ARCHITECTS

ARCHITECT STAMP

LICENSED ARCHITECT — RICHARD ANDREW SRUD — NO. C24294 — REN. 05-31-25 — STATE OF CALIFORNIA

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER — TROY DAVID ANDERSON — No. C-59188 — Exp. 6-30-2025 — CIVIL — STATE OF CALIFORNIA

CONSULTANT LOGO

EPIC ENGINEERS
101 E. REDLANDS BLVD., STE. 146
REDLANDS, CA 92373
909.792.5969 www.EpicRCE.com

PLAYGROUND ENHANCEMENTS @ GERALD A. SMITH ELEMENTARY SCHOOL

COLTON JOINT UNIFIED SCHOOL DISTRICT

NO.	DATE	ISSUE
1	01/25/2024	ADDENDUM NO. 01

PROJECT NO. 11951

DRAWN BY JAT — CHECKED BY SRU

DATE 11/09/23

DRAWING TITLE

DETAIL SHEET

C-5.1

J:\84.31 GERALD A. SMITH ELEMENTARY - PLAYGROUND REPLACEMENT_CIVIL 3D\PLAN - ONSITE\84_31-C-05.DWG

PLOTTED On January 11, 2024-8:16AM BY/GRAPO, LILALPNAOD
LAST SAVED On January 11, 2024-8:14AM BY GRAPO

SpectraTurf
an ecore company

Playground Protective Surfacing Submittal

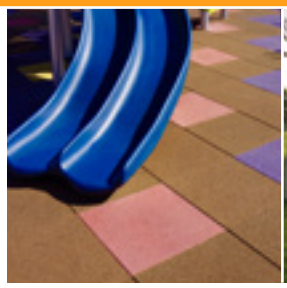
☒ NO EXCEPTION TAKEN ☐ MAKE CORRECTIONS NOTED
☐ REJECTED/RESUBMIT ☐ REVISE AND RESUBMIT

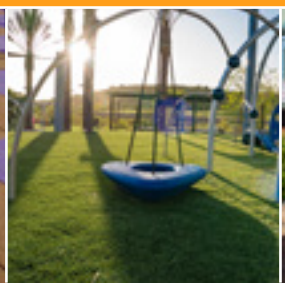
REVIEW OF THESE SHOP DRAWINGS IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE. FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATION OF HIS WORK WITH THAT OF OTHER TRADES AND THE SATISFACTORY PERFORMANCE OF HIS WORK.

PCH ARCHITECTS
30 SOUTH CENTER STREET
REDLANDS, CA 92373

BY Lis Zuloaga _____ DATE 2/7/24 _____

SpectraTurf
an ecore company





Advancing Fun Play & Healthy Recreation for Every Age and All Abilities.

SpectraPour:
Pour-in-Place Rubber Playground Surfacing

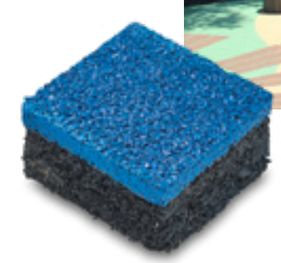
SpectraPour safety playground surfacing has been our flagship poured-in-place system since its inception in 1986. SpectraPour has been used on thousands of projects throughout the US at parks, schools, daycare centers, and other applications requiring a high quality, poured rubber safety surface.

SpectraPour's pour-in-place installation and wide variety of colors allows us to create intricate and visually pleasing designs. This enhances any gathering space – hotel play areas, playgrounds, shopping centers, community centers – into a welcoming and friendly location. SpectraPour's shock-absorbing qualities make it ideal for safety surfaces at critical fall heights as well as comfortable for any walking or standing application.

SpectraPour is mixed on-site, and may be used to provide ADA access to existing playgrounds, to retrofit existing play areas, or to fill entire new playgrounds with quality rubber surfacing that stays in place during use.

SpectraPour System Data

- 2-layer system – mixed, poured & troweled on-site
  - Base layer of shock-absorbing rubber material
  - Half-inch-thick wearing surface of rubber granules
- Available in 20 colors (colors can be mixed)
- Create custom shapes and designs
- Porous system may be installed over Type 2 road base, concrete, or asphalt surfaces
- Typically used outdoors
- Conforms to ADA requirements
- IPEMA Certified
  - ASTM F1292 for head impact protection
  - ASTM F1951 for wheelchair accessibility
- Available for LEED® credits



IPEMA ASTM F1292-13 (SECTION 4.2) CERTIFICATE OF COMPLIANCE

ISSUE DATE: December 18, 2017
Requested By: Alex Stout
Project: Sample

In the interest of public playground safety, IPEMA provides a third party certification service whereby TÜV SÜD America validates a manufacturer's certification of conformance to ASTM F1292 13 Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment Standard, Section 4.2, Performance Criterion.

The manufacturers listed below have received written validation from TÜV SÜD America that the products listed conform with the requirements of ASTM F1292-13, Section 4.2.

The validation is made by testing at the specified fall height rating requested by the manufacturer, based upon its experience and knowledge of its products, instead of the "critical fall height" used in ASTM F1292 13. TÜV SÜD America validates that the impact attenuating performance criterion specified by ASTM F1292 13 (Section 4.2) has been met or exceeded.

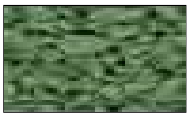
PRODUCT	PRODUCT LINE	THK/HT	MANUFACTURER	DESCRIPTION
SP5	SpectraPour Safety Surfacing	2" / 5'	SpectraTurf	SpectraPour
SP6	SpectraPour Safety Surfacing	2.5" / 6'	SpectraTurf	SpectraPour
SP7	SpectraPour Safety Surfacing	3" / 7'	SpectraTurf	SpectraPour
SP8	SpectraPour Safety Surfacing	3.5" / 8'	SpectraTurf	SpectraPour
SP10	SpectraPour Safety Surfacing	4.25" / 10'	SpectraTurf	SpectraPour
SP12	SpectraPour Safety Surfacing	5" / 12'	SpectraTurf	SpectraPour

SPECTRATURF COLOR CHART

AVAILABLE IN 1-4mm & 0.5-1.5mm GRANULE SIZES

Standard Colors


Standard Red


Standard Green


Standard Blue


Beige


Black

Premium Colors

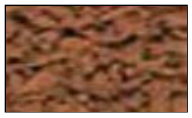

Bright Red


Bright Green

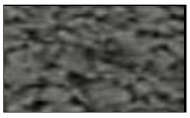

Light / Sky Blue

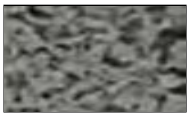

Turquoise / Teal


Cream / Eggshell


Brown

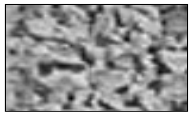

Bright Yellow

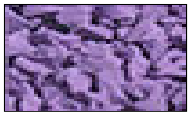

Dark Gray / Charcoal

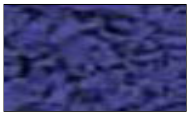

Medium Gray


Azure

Custom Colors


Light / Pale Gray


Light Purple


Dark Purple


Earth Yellow / Mustard


Orange

Colors may differ slightly from above due to photo reproduction process.

All 0.5-1.5 Granule Size's must use Aliphatic Binder. Aliphatic binder HIGHLY recommended for all Premium and Custom Colors in 1-4mm Granule Size.

All Premium & Custom Colors have additional costs and potential lead times of 8-12 weeks

Custom Colors may have minimum order requirements

555 S Promenade Ave, Suite 103, Corona, CA 92879 Ph: 800-875-5788 Fax: 951-734-3630

www.spectraturf.com

SEPTEMBER 2023

www.spectraturf.com

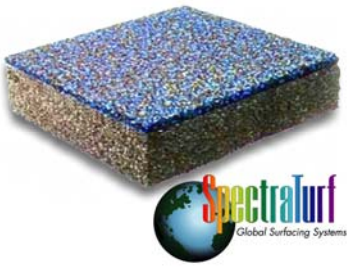
SpectraPour Binder
Product Data Sheet

SpectraPour Binder is a high-performance 100% solids, aromatic, single component, moisture-curing, MDI based prepolymer polyurethane resin binder designed for use with rubber granules. It is specifically designed for application of poured-in-place playground and other sports surfacing using appropriate recycled rubber and EPDM granules. SpectraPour Binder does not support fungal growth.

SpectraPour Binder requires surface and ambient temperatures must be at least 45 deg. F. Do not apply over wet or damp surface. Do not mix or apply when rain is imminent or falling. Substrate must be free of dust, oil and grease. Ambient temperature and relative humidity are critical to product reaction. Consult SpectraTurf whenever conditions of very high or very low temperatures and/or very high or low relative humidity are present of anticipated.

Specifications

Appearance	Amber Visual	Free NCO Content	7.5 / 8.5%
Density	approx. 1.1 g.cm3 @ 20 degrees C	% Solids by weight	>99%
Viscosity, 25 deg. C	approx. 2,000 / 2,300	PH value	n/a
Setting point	-18 degrees C	Evaporation Rate	Not applicable
Initial Boiling Point	260 degrees	Vapor Density	(Air=1) Heavier than air
Solubility in water	Reacts	Explosive limits	n/a
Flash point	> 200 degrees C	Thermal decomposition	n/a
Flammability limits in air by volume	Lower - n/a Upper - n/a	Specific Gravity	(H20 = 1) 1.00-1.102



500 E. Rincon Street #100, Corona, CA 92879
(800) 875-5788 (951) 734-3630 (fax) www.spectraturf.com

PIP 048 BUFFINGS

BAS Recycling, Inc.

1 (951) 214-6590

PRODUCT DESCRIPTION

Description

PIP 048 BUFFINGS are used in the construction of the cushion layer in unitary safety surfacing systems as well as the bottom layer in factory molded rubber safety tiles.

PIP 048 BUFFINGS are produced through a state of the art recycling process that removes contaminants and produces a mixture of controlled sizes that are ideal for field manufactured poured in place rubber surfacing as well as compression molded rubber tiles produced in a factory environment.

Benefits

- √ **Non Toxic**: Certified Safe by UC Berkeley and The Corporation for Manufacturing Excellence
- √ **Environmentally Friendly**: reduces the number of waste tires disposed in land fills
- √ **Locally Produced:** Reduces green house gas emissions through reduced transportation and reduces freight costs.
- √ **Quality:** Consistent quality delivered through state of art recycling process backed by an industry leader with more than 20 years experience.

Packaging

50LB Bags or 2,000LB Sacks

Physical Characteristics

CHEMICAL PROPERTIES	MIN	MAX
Acetone Extract	12	22
Ash	0	8
Carbon Black	26	35
Rubber Hydrocarbon	45	60

SIEVE SIZE	% RETAINED
1/4”	0% - 2%
8 Mesh	30% - 60%
16 Mesh	60% - 95%
20 Mesh	75% - 100%
30 Mesh	98% - 100%

- Test Method 100 grams, 10 minutes, Rotap Shaker

- Values “typical”, custom blends available to meet any specification requirement.

14050 Day Street · Moreno Valley · CA · 92553
Www.BASRecycling.com

MADE IN USA

MAINTENANCE GUIDELINES

Addendum A (1 of 2)

The following maintenance guidelines are hereby noted as an attachment to the SpectraTurf Statement of Warranty and are so noted in the report of Warranty as Addendum A.

SpectraTurf is under no obligation to repair or replace any of its Playground safety Surfacing Systems that are damaged by improper maintenance; vandalism; product misuse, abuse or alteration; improper drainage; normal wear and tear; damage from sharp objects; unapproved cleaning materials; or Acts of God.

Recommended Monthly Maintenance:

1. Power Wash the entire Playground Safety Surfacing to remove surface dirt, food, drink, sand, and various contaminants. Use an air blower to remove loose debris before Power Washing the Playground Safety Surface.

2. On heavily stained isolated areas, after wetting, apply a sufficient amount of all-purpose cleaner and scrub with a 10" minimum bristle brush. Rinse thoroughly and repeat as necessary. Perform hand cleaning early in the morning or late afternoon so that the cleanser will have time to work before evaporating in high temperature conditions.

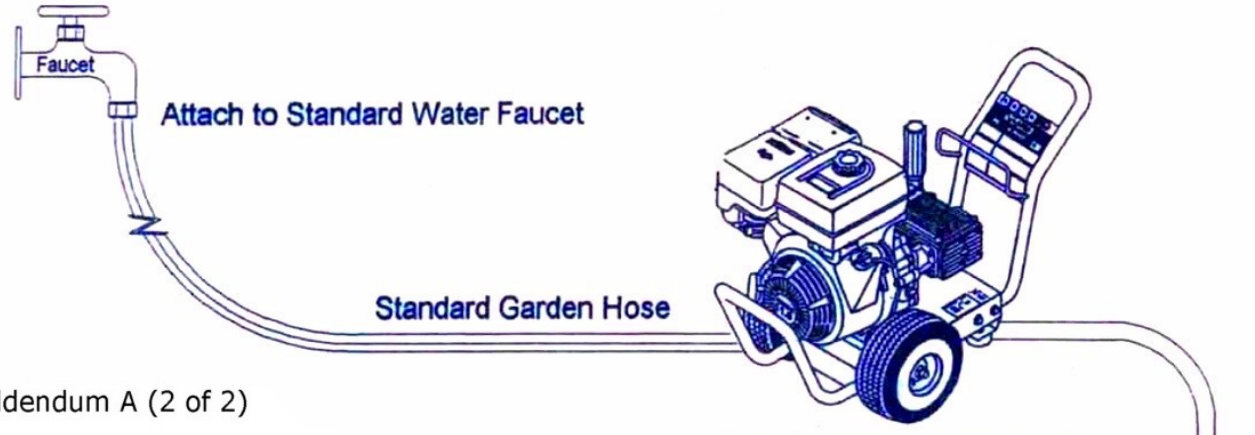
3. Power Washing can be performed any time during the day. Please refer to Addendum A (2 of 2) for illustrated procedures for power washing the Playground Safety Surfacing.

Other Recommended Maintenance:

1. Every 2 to 3 years, depending upon the amount of use the play area receives, an application (roll coat) of aliphatic resin should be applied to the Playground Safety Surfacing. Aliphatic resin should be applied by rollers (NOT air sprayers) at a rate of approx. 60 sq ft per gallon over the entire wear layer of the Playground Safety Surfacing and allowed to cure for a minimum 72 hours before use of the play area.

NEVER USE A STEEL OR HARD PLASTIC BRUSH ON MANUAL OR ELECTRIC CLEANING UNITS. CONSULT WITH SPECTRATURF AT (800) 875-5788 BEOFRE COMMENCING ANY CLEANING OPERATION THAT MAY BE HARMFUL TO THE PLAYGROUND SURFACING SYSTEM

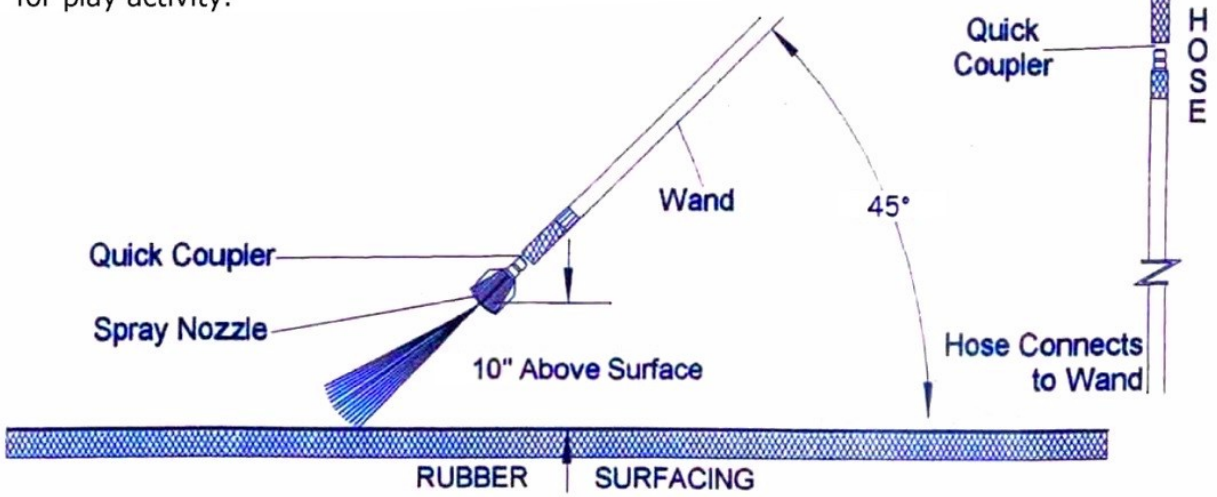
MAINTENANCE GUIDELINES



Addendum A (2 of 2)

The use of the Power Washer is a simple procedure.

1) Use a Power Washer with pressure set at 1500 PSI.
2) Connect the Power Washer to a water faucet outlet.
3) Use a Power Washer Nozzle with a 24/1000" orifice.
4) Turn on Power Washer and test pressure and spray pattern on a hard surface (i.e. cement) to gauge distance and impact of water spray.
5) Hold spray nozzle approximately 10 inches from surface being cleaned. for best results, spray on a slight angle between 45 – 60 degrees.
6) Start at the center of the rubber surface installation and power clean towards the outer edges in a continuous back and forth motion.
7) As you proceed, check the surface to make sure you did not miss any areas of contamination.
8) Let the Playground Safety Surfacing completely dry before opening for play activity.



500 E. Rincon Street #100, Corona, CA 92879-1352
(951) 736-3579 (800) 875-5788 Fax (951) 734-3630 www.spectraturf.com CA #854429

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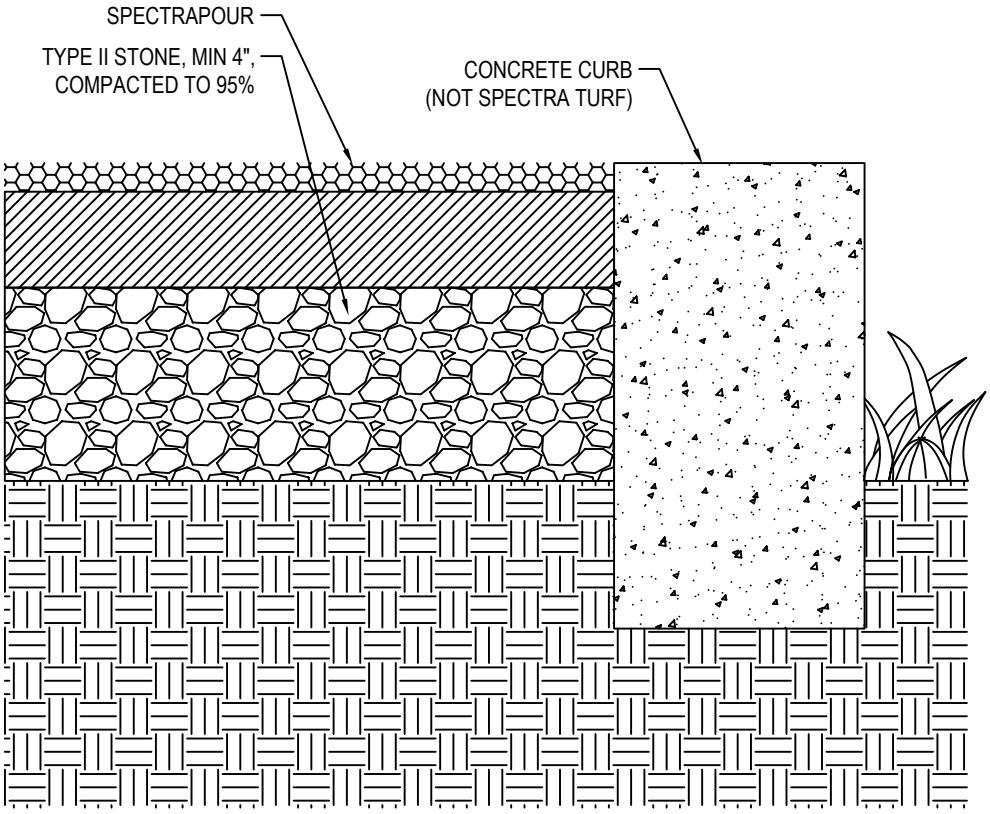

SECTION

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 092-030

SPECTRAPOUR POUR-IN-PLACE

SPECTRAPOUR: STANDARD CURB - FLUSH TO CONCRETE CURB OR WALL

SpectraPour Poured-in-Place Specification

SpectraTurf
555 South Promenade Avenue #103
Corona, CA 92879
Phone: (951) 736-3579
Fax: (951) 734-3630
E-mail: info@spectraturf.com
www.spectraturf.com

PART 1 GENERAL

1.01 SUMMARY

A. Section Includes: SpectraPour Poured-in-Place Playground Surfacing System.

Specifier Note: Revise paragraph below to suit project requirements. If a reader of this section could reasonably expect to find a product or component specified in this section, but it is actually specified elsewhere, then the related section number(s) should be listed in the paragraph below. In the absence of related sections, delete paragraph below.

Specifier Note: Site materials and methods, drainage, playground equipment, fencing, substrate preparation and similar work is provided by other contractors and is described in other sections. Consult manufacturer for specific substrate preparation requirements. Edit, retain or delete paragraph below to suit project requirements and specifier practice.

B. Related Sections: Sitework Sections: Materials and Methods, Excavation, Asphalt Paving, Concrete Paving, Sub-Drainage, Storm Drainage, Fencing, Playground Equipment and Structures.

Specifier Note: Article below may be omitted when specifying manufacturer's proprietary products and recommended installation. Retain References Article when specifying products and installation by an industry reference standard. If retained, list standard(s) referenced in this section. Indicate issuing authority name, acronym, standard designation and title. Establish policy for indicating edition date of standard referenced. Conditions of the Contract or Division 1 References Section may establish the edition date of standards. This article does not require compliance with standard. It is a listing of all references used in this section.

1.02 REFERENCES

A. American Society for Testing and Materials (ASTM):

1. ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension.

2. ASTM D624 Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers.

3. ASTM D2047 Standard Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine.

4. ASTM D2859 Standard Test Method for Flammability of Finished Textile Floor Covering Materials.

5. ASTM E303 Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester.

6. ASTM F1292 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.

7. ASTM F1951 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.

Specifier Note: Article below should be restricted to statements describing design or performance requirements and functional (not dimensional) tolerances of a complete system. Limit descriptions to composite and operational properties required to link components of a system together and to interface with other systems.

1.03 SYSTEM DESCRIPTION

A. Performance Requirements: Provide a 2 layer rubber-urethane playground surfacing system which has been designed, manufactured and installed to meet the following criteria:

1. Shock Attenuation (ASTM F1292):

a. Gmax: Less than 200.

b. Head Injury Criteria: Less than 1000.

2. Flammability (ASTM D2859): Pass.

3. Tensile Strength (ASTM D412): 60 psi (413 kPa).

4. Tear Resistance (ASTM D624): 140%.

5. Water Permeability: 0.4 gal/yd2/second.

6. Accessibility: Comply with requirements of ASTM F1951.

FROM SPEC.

4. Permeability: Product shall meet or exceed a coefficient of permeability of seven (7) feet per minute. NOTE: From a geotechnical standpoint, the permeability of a material is a measure of the velocity at which water will flow through the void spaces or pores under a given hydraulic gradient. The

Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor before, during or after construction. Coordinate this article with Architect's and Contractor's duties and responsibilities in Conditions of the Contract and Division 1 Submittal Procedures Section.

1.04 SUBMITTALS

A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.

B. Product Data: Submit manufacturer's product data and installation instructions.

C. Verification Samples: Submit manufacturer's standard verification samples of 6" x 6" minimum.

D. Quality Assurance/Control Submittals: Submit the following:

1. Certificate of qualifications of the playground surfacing installer.

E. Closeout Submittals: Submit the following:

1. Warranty documents specified herein.

Specifier Note: Article below should include statements of prerequisites, standards, limitations and criteria that establish an overall level of quality for products and workmanship for this section. Coordinate article below with Division 1 Quality Assurance Section.

1.05 QUALITY ASSURANCE

A. Qualifications: Utilize an installer approved and trained by the manufacturer of the playground surfacing system or a direct employee of the manufacturer's installation division, having experience with other projects of the scope and scale of the work described in this section.

B. Certifications: Certification by manufacturer that installer is an approved applicator of the playground surfacing system.

C. International Play Equipment Manufacturers Association (IPEMA) certified.

Specifier Note: Article below should include specific protection and environmental conditions required during storage. Coordinate article below with Division 1 Product Requirements Section.

1.06 DELIVERY, STORAGE & HANDLING

A. General: Comply with Division 1 Product Requirement Section.

B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at a minimum temperature of 40 degrees F (4 degrees C) and a maximum temperature of 90 degrees F (32 degrees C).

Specifier Note: In article below, state physical or environmental limitations or criteria for installation such as weather, temperature, humidity, ventilation or illumination required for proper installation or application.

1.07 PROJECT/SITE CONDITIONS

A. Environmental Requirements: Install surfacing system when minimum ambient temperature is 40 degrees F (1 degree C) and maximum ambient temperature is 95 degrees F (32 degrees C). Exception to the temperature requirements can be made by the manufacturer of the surfacing system. Do not install in steady or heavy rain.

Specifier Note: Coordinate article below with Conditions of the Contract and with Division 1 Closeout Submittals (Warranty) Section. Use this article to require special or extended warranty or bond covering the work of this section.

1.08 WARRANTY

A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.

B. Proper drainage is critical to the longevity of the SpectraPour Poured-in-Place surfacing system. Inadequate drainage will cause premature breakdown of the poured system in affected areas; and void the warranty.

Specifier Note: Coordinate subparagraph below with manufacturer's warranty requirements.

1. Warranty Period: Five (5) years from date of completion of work.

PART 2 PRODUCTS

Specifier Note: Retain article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as "or equal" or "or approved equal" or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining "or equal" products.

2.01 SPECTRAPOUR PLAYGROUND SURFACING SYSTEM

Specifier Note: Retain or delete paragraph below per project requirements and specifier's practice.

A. Manufacturer: SpectraTurf, Inc.

1. Contact: 555 South Promenade Avenue, #103, Corona, CA 92879;
Telephone: (800) 875-5788; Fax: (951) 734-3630;
E-mail: info@spectraturf.com website: http://www.spectraturf.com.

B. Proprietary Products/Systems. SpectraPour Poured-in-place playground surfacing system, including the following:

1. SpectraPour Poured-In-Place Primer:

a. Material: Urethane.

2. SpectraPour Poured-in-Place Basemat:

a. Material: 100% recycled blend of shredded SBR (styrene butadiene rubber) and urethane.

Specifier Note: The type of playground equipment determines the required basemat thickness, and the basemat thickness may be different at various locations on the playground site. Depending on ASTM F1292 requirements for critical fall height (4', 5', 6', 7', 8', 10', or 12'), select basemat thickness from options provided in subparagraph below (1-1/4 ", 1-1/2", 2", 2 1/2", 3", 4" or 4 1/2" respectively). Specify project requirements below and coordinate with working drawings.

b. Basemat Thickness: [1 1/4"] [1 1/2"] [2"] [2 1/2"] [3"] [4"] [4 1/2"]

3. SpectraPour Poured-In-Place Top Surface:

a. Material: Blend of recycled EPDM (ethylene propylene diene monomer) rubber and aromatic or aliphatic urethane binder.

b. Top Surface Thickness: minimum 1/2", maximum 5/8".

c. Color: [Terra Cotta] [Bright Red] [Orange] [Bright Yellow] [Earth Yellow] [Beige] [Sand] [Eggshell] [Brown] [Bright Green] [Army Green] [Green] [Teal] [Sky Blue] [Blue] [Light Purple] [Dark Purple] [Gray] [Charcoal] [Black] [Custom color mix (specify requirements)].

Specifier Note: Aliphatic urethane is recommended for the following colors: Bright Yellow, Bright Green, Teal, Bright Red, Orange, Light Purple, Dark Purple, Sky Blue, Sand & Eggshell. Standard aromatic binder "yellows" slightly upon exposure to ultraviolet rays. Most of this thin layer of urethane wears off with foot traffic and weathering typically within two to six months. *This characteristic applies industry-wide.*

Specifier Note: The following colors are recommended for indoor use only due to their high tendency for fading: Bright Yellow, Bright Red, Orange, Light Purple, Dark Purple.

d. Dry Static Coefficient of Friction (ASTM D2047): 1.0.

e. Wet Static Coefficient of Friction (ASTM D2047): 0.9.

f. Dry Skid Resistance (ASTM E303): 89.

g. Wet Skid Resistance (ASTM E303): 57.

Specifier Note: Edit Article below to suit project requirements. If substitutions are permitted, edit text below. Add text to refer to Division 1 Project Requirements (Product Substitutions Procedures) Section.

2.02 PRODUCT SUBSTITUTIONS

A. Substitutions: No substitutions permitted.

Specifier Note: Specify proportions and procedures for site mixing materials. Mixing is the preparation of materials for use and is considered to be part of the manufacturing process.

2.03 MIXES

A. Required mix proportions by weight:

1. Basemat: 16+% urethane (as ratio: 14% urethane divided by 86% rubber). 14% urethane, 86% rubber (based on entire rubber & urethane mix).

2. Top Surface: 22% urethane (ratio: 18% urethane divided by 82% rubber). 18% urethane, 82% rubber (based on entire rubber & urethane mix).

PART 3 EXECUTION

Specifier Note: Revise article below to suit project requirements and specifier's practice.

3.01 MANUFACTURER'S INSTRUCTIONS

A. Comply with the instructions and recommendations of the playground surfacing manufacturer.

Specifier Note: Specify actions to physically determine that conditions are acceptable to receive primary products of the section.

3.02 EXAMINATION

A. Substrate preparation must be in accordance with surfacing manufacturer's specification. New asphalt must be fully cured – up to 30 days. New concrete must be fully cured – up to 7 days.

B. Proper drainage is critical to the longevity of the SpectraPour CA Poured-in-Place surfacing system. Inadequate drainage will cause premature breakdown of the poured system in affected areas; and void the warranty.

Specifier Note: Specify actions required to physically prepare the surface, area, or site or to incorporate the primary products of the section.

3.03 PREPARATION

A. Surface Preparation: Using a brush or short nap roller, apply primer to the substrate perimeter and any adjacent vertical barriers such as playground equipment support legs, curbs or slabs that will contact the surfacing system at the rate of 300 ft2/gal.

Specifier Note: Coordinate article below with manufacturer's recommended installation requirements.

3.04 INSTALLATION

A. Do not proceed with playground surfacing installation until all applicable site work, including substrate preparation, fencing, playground equipment installation and other relevant work, has been completed.

B. Basemat Installation:

1. Using screeds and hand trowels, install the basemat at a consistent density of 29 pounds, 1 ounce per cubic foot to the specified thickness.

2. Allow basemat to cure for sufficient time so that indentations are not left in the basemat from applicator foot traffic or equipment.

3. Do not allow foot traffic or use of the basemat surface until it is sufficiently cured.

C. Primer Application: Using a brush or short nap roller, apply primer to the basemat perimeter and any adjacent vertical barriers such as playground equipment support legs, curbs or slabs that will contact the surfacing system at the rate of 300 ft2/gal (7.5 m2/L).

D. Top Surface Installation:

1. Using a hand trowel, install top surface at a consistent density of 58 pounds, 9 ounces per cubic foot to a nominal thickness of 1/2".

2. Allow top surface to cure for a minimum of 48 hours for aromatic resin / 72 hours for aliphatic resin.

3. At the end of the minimum curing period, verify that the top surface is sufficiently dry and firm to allow foot traffic and use without damage to the surface.

4. Do not allow foot traffic or use of the surface until it is sufficiently cured.

Specifier Note: Specify provisions for protecting work after installation but prior to acceptance by the owner. Coordinate article below with Division 1 Execution Requirements Section.

3.05 PROTECTION

A. Protect the installed playground surface from damage resulting from subsequent construction activity on the site.