



Parks and Recreation Advisory Board

Thursday, June 6, 2024, 7:00 p.m.

M/M Senior Center

3500 Marais Avenue, Royal Oak, MI 48073

Anyone planning to attend the meeting who has need of special assistance under the Americans with Disabilities Act (ADA) is asked to contact the city clerk's office at 248-246-3050 at least two (2) business days prior to the meeting.

	Pages
1. Meeting Called to Order	
2. Approval of Minutes	2
3. City Commission Comments	
4. Public Comment	
5. Business	
a. Presentation of Proposed Improvement at Patricia Paruch Park	6
b. Discussion of Summer 2024 Meeting Schedule	
c. Proposed Park and Recreation Capital Improvement Planning Calendar for FY 25-26 Projects	
d. Discussion and/or Approval of Proposed Bylaw Revisions	
e. Discussion of Parking Alterations at Lawson Park	
6. Items Not on the Agenda	
7. Upcoming Events	
8. Adjournment	
9. Next Meeting:	



Minutes

Parks and Recreation Advisory Board

May 2, 2024, 7:00 p.m.

M/M Senior Center

3500 Marais Avenue, Royal Oak, MI 48073

Present: Sarah Kindinger
Melanie Macey
Brigitta Burgess
Tony Rennpage
Sue Wells
Hannah Holliday
Samantha Grant
Ryan Danescu
Perry Abbey

1. Meeting Called to Order

Meeting called to order at 7:00 pm.

2. Approval of Minutes

Moved by: Melanie Macey

Seconded by: Ryan Danescu

Motion to approve the minutes of the April 4, 2024 meeting.

Motion Adopted

3. City Commission Comments

Commissioner Macey briefly discussed budget items related to the Parks and Recreation Advisory Board and encouraged all to read and clarified that "No Mow May" is a voluntary program; resident are not prohibited from cutting their lawns.

4. Public Comment

Max Carson inquired why there was a train at Starr Jaycee Park and requested that a 'ginormous' train be added to Lockman Park.

Laura Berge - 1116 Ferris Ave - expressed concerns about the planned removal of the existing play structure at Lockman Park, and requested that the city maintain the existing one or else install a new one with accessible features.

Max Carson amended his previous comments to also request a mini-waterfall/fountain at Lockman Park.

Jack (last name not provided) - 1200 N Vermont - expressed desire to keep existing play structure at Lockman Park and requested that DPS staff collect leaves in the fall in the wooded area of the park.

Jesse Veenstra - 1126 N Vermont - noted that his children love the existing structure at the park and desires to keep it in place.

Matthew Berge - 1116 Ferris Ave - read an email he sent to city commissioners indicating his preference to keep the play structure instead of removing it as planned.

Ann Petrimoulx - 1032 N Vermont - expressed her appreciation of the park and its proposed improvements, but desires to preserve existing play structure or else adding a new equivalent structure. She suggested improving communications related to park improvements so that neighbors were more aware of project updates/modifications.

Meg Howard - 120 Keyser Drive - echoed comments of other attendees expressing support for maintaining existing play structure.

Max Carson shared a concept drawing of his preferred park amenities.

Kathryn Trepkowski Naas - 2402 N Vermont - expressed concern about the planned removal of the play structure, and expressed her desire to maintain the existing one.

Sarah Carson - 1103 Ferris - communicated desire to maintain existing play structure.

Keith Carson - expressed desire to maintain existing play structure.

Deepak Mangla - 1416 Gardenia - noted that the park as a consideration in his decision to move on to Gardenia, and wishes to maintain the existing structure.

5. Business

5.a Parks and Recreation Advisory Board Bylaws Discussion

Susan Barkman led a discussion on the initiative to formalize bylaws for this and other boards/commissions.

The board indicated a preference to remove the 'Officer at Large' position noted in the draft document.

Board agreed to review more carefully, send staff liaison suggestions before next meeting and potentially vote to adopt.

5.b Commission for the Arts Request to Install Artwork in Parks

Susan Barkman led a discussion on placing public art in parks, seeking input from the board about which parks may benefit from art installations. The board generally agreed that Paruch Park and the median on 4th would be the best locations.

5.c Discussion on Donated Toys at City Parks

Director Filipski discussed the recent removal of donated playhouses at Cody Park and clarified that the small sand box toys at various parks would not be removed entirely, but that parks maintenance staff will exercise judgment, and if necessary due to a potential hazard or other concern, may selectively dispose of toys during routine maintenance.

5.d Lockman Park Update

Director Filipski updated the group on efforts to preserve the existing play structure at Lockman Park, noting that the commission was set to vote on keeping it in place and approving an expenditure for additional engineering work to adjust construction/design drawings at the May 20 meeting of the city commission.

5.e Grant Application Subcommittee Report

5.f Discussion Regarding Summer Meeting Schedule

Moved by: Perry Abbey

Seconded by: Hannah Holliday

Motion to cancel July 2024 meeting.

Motion Adopted

5.g Discussion of Draft Collaboration Assessment Form

The group briefly discussed the draft collaboration assessment form that staff can use when presenting collaborations/partnerships to the board.

6. Items Not on the Agenda

Member Abbey noted that the Porta-potties should be moved to the SE corner of the courts and that inaccurate information is still on the SMPA website.

7. Upcoming Events

8. Adjournment

Moved by: Ryan Danescu

Seconded by: Sue Wells

Motion to adjourn the May 2, 2024 meeting.

9. Next Meeting:

The group, having decided to cancel the July 2024 meeting, kept the June 6, 2024 meeting as scheduled.

To: The Parks & Recreation Advisory Board

From: Judy Davids, Community Engagement Specialist

Date: May 16, 2024

Subject: Proposal for Creation of a Sandbox at Patricia Paruch Park

This memorandum seeks your recommendation on proceeding with the creation of a sandbox at Patricia Paruch Park. The sandbox is intended to honor Commissioner Patricia Paruch's legacy and passion for fossil collecting, a hobby that defined her childhood days spent at Cuyahoga Valley National Park.

Background:

Commissioner Paruch, who passed away in 2023, was an avid fossil collector. Her love for nature and exploration was inspired by her frequent visits to what is now the Cuyahoga Valley National Park. Nestled between the bustling streets of Downtown Cleveland and Akron, Ohio, this park is known for its rolling hills, serene waterways, and lush forests. It offers an escape from urban life and invites adventurers, nature lovers, and history enthusiasts to explore the great outdoors. Commissioner Paruch's experiences there significantly influenced her lifelong commitment to environmental conservation and education.

Proposal Details:

The proposed sandbox will serve as a tribute to Commissioner Paruch and will be designed to reflect her love for fossil collecting and nature exploration. Key aspects of the proposal include: a sand creator playscape, two in-ground excavators, dig bones and signage.

Location: The sandbox will be situated in a prominent area of Patricia Paruch Park, easily accessible to children and families.

Design: The sandbox will be aesthetically pleasing and safe for children. It will include educational signage about fossils and Commissioner Paruch's connections to the environment.

Fossil Stocking: The sandbox will be regularly stocked with various fossils, allowing children to engage in fossil hunting. This activity will not only be fun but also educational, fostering an appreciation for nature and history.

Educational Component: Informational signage will provide details about the types of fossils found, and stories about Commissioner Paruch's childhood adventures and contributions.

Benefits:

Educational Value: The sandbox will serve as an interactive learning tool, encouraging children to learn about geology, paleontology, and environmental stewardship.

Community Engagement: This addition will enhance the park's appeal, attracting families and promoting community engagement through organized events and activities centered around fossil hunting and nature education.

Legacy Preservation: The sandbox will be a lasting tribute to Commissioner Paruch, keeping her memory alive and inspiring future generations to appreciate and protect our natural world

Conclusion:

Creating a sandbox at Patricia Paruch Park is a fitting way to honor Commissioner Paruch's memory and share her passion for fossils and nature with the community. We seek your recommendation to proceed with this proposal, which promises to enrich the park experience and serve as a meaningful tribute to a beloved figure in our community.

Thank you for considering this proposal. I look forward to your feedback and support.

Sincerely,

Judy Davids

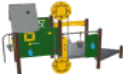


Community Engagement Specialist

Quotation

Date: 5/10/2024
Quote #: KO-050924-01
Expires: 30 days
Approx. Lead Time 12-14 weeks
Ship To: TBD

PROJECT NAME: Patricia Paruch Park
ATTN: Judy Davids
ACCOUNT
ADDRESS 203 S. Troy Street
CITY, STATE, ZIP Royal Oak, MI 48067
EMAIL judy@romi.gov
PHONE: 248-246-3201
DESCRIPTION: Items for sandbox
SALES REP: Kim O'Farrell 734.626.1008

Ship To Contact: TBD

Reference Image	Quantity	Item Number	Description	Mounting	Price Each	Net Price
	1	PCM104031-0903	SAND CREATOR, NATURE IN-GROUND 90CM		17,160.00	\$17,160.00
	2	NRO524-0801	EXCAVATOR-UNTREATED IN-GROUND 80CM		6,270.00	\$12,540.00
	1	PCM203-0601	MOMENTS CUSTOM SIGN L STEEL POSTS, IN-GROUND 60CM Sign estimate, pending materials and wording.		1,550.00	\$1,550.00

Additional Products:

	1	AP003	Dig Bones (Set of 4)		3,750.00	\$ 3,750.00
--	---	-------	----------------------	--	----------	-------------

Additional Services

Included/Requested:

1	No	EQUIPMENT	>All equipment installed to manufacturer's specification to ensure proper warranty coverage.	\$0.00		
1	No	PROFESSIONAL INSTALLATION		\$0.00		
1	No	SAFETY SURFACING	>Playground safety surfacing: Poured In Place Rubber Provided & installed to critical fall height compliance of equipment selected.	\$0.00	Total additional services:	\$0.00
1	No	PROVIDED & INSTALLED		\$0.00		
1	No	DEMOLITION/ SITEWORK/ GRADING	>Any & all necessary sitework to prepare grade for equipment installation, proper depth of surfacing and/or drainage.	\$0.00		
1	No	CONCRETE/PAVING	>Any specified asphalt paving and/or concrete flatwork based on provided layouts/blueprints/siteplans.	\$0.00		

EQUIPMENT TOTAL: \$35,000.00
TOTAL FREIGHT: \$5,390.63
Subtotal: \$40,390.63
- \$0.00

Sales Tax (Where applicable)

PAYMENT TERMS: DEP 50% & 50% DUE UPON COMPLETION

Quote Total: \$40,390.63

*ACCEPTANCE OF QUOTATION: This quotation is subject to policies in the current catalog and the following terms and conditions. Quotation is based on shipment of all items at the same time to one destination.

, unless otherwise noted. Pricing is subject to change beyond expiration date. Purchases in excess of \$1000.00 must be supported by a written purchase order to American Athletix, LLC.

LEAD TIME: Tentative dates from receipt of deposit (if required); final approved drawings; colors and site prep and readiness.

FREIGHT: Freight charges are estimated. Subject to final charges from freight carrier.

EXCLUSIONS: Unless specifically included, this quotation excludes: all site work and landscaping; removal and disposal of existing equipment;

acceptance of equipment and off-loading; storage of goods prior to installation; equipment assembly and installation; safety surfacing, borders and drainage provisions.

Proposal by: Kim O'Farrell 734.626.1008

Customer Acknowledges that he/she has read, understands, accepts and agrees to be bound by the Terms and Conditions attached

Accepted by: _____ Date: _____

Purchase Order: _____

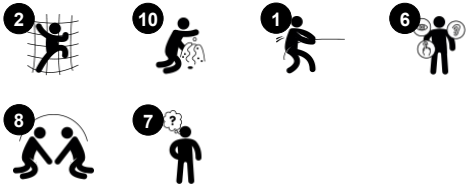


Sand Creator

PCM104031



Item no. PCM104031-0903	
General Product Information	
Dimensions LxWxH	11'6"x8'0"x7'1"
Age group	2 - 5
Play capacity (users)	16
Color options	



The Sand Creator is an immensely attractive sand play unit that will absorb children in play for hours and hours. The crane is worked by pulling the chain. The sand bucket will go up or down or all around, but it will stay put when the chain is let go of. This apart from providing fascinating sand play, is a great training of children's logical thinking skills. The negotiation

and cooperation to get sand to and from the funnel via the bucket is great for older children and develops social-emotional skills. In the house, multiple tactile elements can be moved to entertain children who wait for the sand crane. The sand funnel here supports children's understanding of object permanence: that things can still exist when out of sight. The

platform is open and can be accessed in multiple ways, allowing for all users to play.



Sand Creator

PCM104031



Sand bucket

Physical: cross coordination thereby developing cooperation of left and right brain half which is necessary for academic skills such as reading. **Cognitive:** understanding of object permanence, emptying and filling bucket.



Window

Social-Emotional: invites interaction between sides and cooperative play.



Sand shovel

Physical: develops dexterity and upper body muscles. **Cognitive:** understanding of object permanence, emptying and filling scoop.



Desk

Social-Emotional: fine meeting place and a space creator. Sharing and cooperation from both sides create a social scenario that supports communication and cooperation.



Play sphere

Social-Emotional: can be played from both sides, encouraging cooperation. **Cognitive:** cause and effect understanding. **Creative:** leave a mark and place the spheres at different positions.



Sand scoops

Physical: hand eye coordination and push-pull movements. **Social-Emotional:** invites cooperation with two sides and provides for parallel play. **Cognitive:** logical thinking: cause and effect understanding when running scoops in grooves or shifting materials from scoop to scoop. **Creative:** shifting scoops, creating new scoop positions.



Theme

Cognitive: suggests a theme and supports dramatic play, which stimulates language and communication skills.

Sustainability Data

PCM104031



Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
PCM104031-0950	640.80	1.89	68.50
PCM104031-0903	723.40	2.33	60.30

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

Verification of CO₂ calculation of: Play systems



Data version no. 2023-10-05

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Play systems" represented by item no.: PCM200321-0950.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025

Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO₂ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

Publication date: 30. October 2023



By Bureau Veritas HSE
www.bureauveritas.dk
+45 7731 1000



Sand Creator

PCM104031



Panels of 19mm EcoCore™. EcoCore™ is a highly durable, eco friendly material, which is not only recyclable after use, but also consists of a core produced from 100% recycled material.

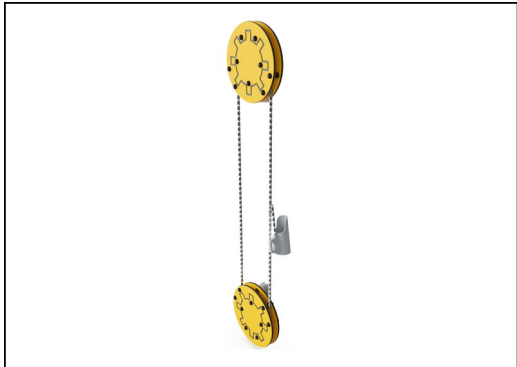


Main posts with hot-dip galvanized steel footing are available in different materials: Pressure impregnated pinewood posts. Pre-galvanized inside and outside with powder-coated top finish steel posts. Lead-free aluminum with color anodized top finish. Greenline TexMade posts of 100% post-consumer recycled PE and textile waste.



All decks are supported by uniquely designed low-carbon aluminum profiles with multiple attachment options. The grey-colored molded decks are made of 75% post-consumer ocean waste PP material with a non-skid pattern and texture surface.

Item no. PCM104031-0903	
Installation Information	
Max. fall height	2'3"
Safety surfacing area	361ft²
Total installation time	14.8
Excavation volume	0.39yd³
Concrete volume	0.01yd³
Footing depth (standard)	2'11"
Shipment weight	889lbs
Anchoring options	In-ground ✓ Surface ✓
Warranty Information	
EcoCore HDPE	Lifetime
Post	10 Years
PP Decks	10 Years
Solid plastic parts	10 Years
Spare Parts Availability	10 Years



The sand hoist is designed with upper and lower EcoCore tracks of large diameter that always ensures safe distance between the chains so they cant be crossed for entanglement. The chain is made of high-quality stainless-steel to ensure long durability of the product.



The sand bucket is made in one piece of molded PE. The PE is made with 33% post-consumer materials in different colors with a wall thickness of minimum 5mm. Material in accordance with the European Standard EN 71-3 and tested for UV stability.



KOMPAN GreenLine versions are constructed with the most environmentally friendly materials with the lowest possible CO2e emission factor. TexMade posts, EcoCore™ panels of 100% post-consumer recycled ocean waste, and molded PP decks.

Elevated activities 4	Accessible elevated activities	Accessible ground level activities	Accessible ground level play types
Present	4	2	2
Required	2	1	1

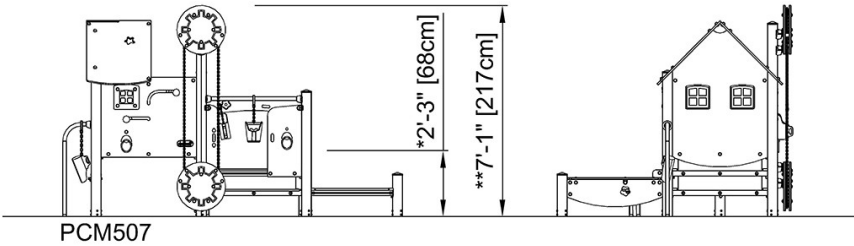
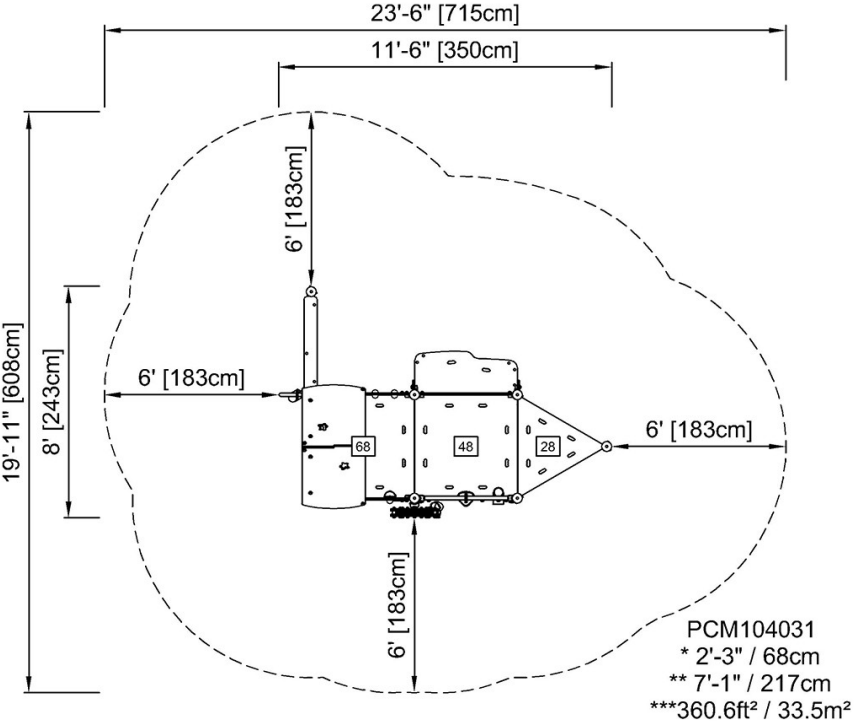
**ASTM
F1487**
compliant

Sand Creator

PCM104031

* Max fall height | ** Total height | *** Safety surfacing area



* Max fall height | ** Total height



Excavator

NRO524



Item no. NRO524-0801	
General Product Information	
Dimensions LxWxH	4'1"x0'9"x2'7"
Age group	2 - 5
Play capacity (users)	1
Color options	 



The Excavator is a magnet for construction play. It attracts builders in a wide age span to dig, transport and turn sand. It will engage children in play time and time again. When digging, the children need to navigate the handles and shovel. This is a huge task on coordination as well as logical thinking skills. When the sand needs to be relocated, the

children will have to use their feet to turn the Excavator up to 360 degrees, to the desired destination. The fine motor and gross motor skill training going into this is considerable. The Excavator can accommodate solitary as well as social play, supporting turn-taking and negotiation. These skills are fundamental to forming friendships and can be hard to teach,

but children acquire these skills naturally through construction play.

Excavator

NRO524



Seat

Social-Emotional: possibility to sit makes shoveling an easier, controllable experience



Shovel module

Physical: cross-coordination to control the shovel developing cooperation of left and right brain halves as necessary for academic skills such as reading. **Cognitive:** navigating the shovel, filling and emptying it takes refined logical thinking. **Creative:** sand and construction play is encouraged, leaving your mark on the playground.



Handhold

Physical: the possibility to hold onto more areas of the handhold ensures a good grip, necessary for rocking intensely. This trains hand and arm muscles.

Excavator

NRO524



All Organic Robinia products by KOMPAN are made of Robinia wood from sustainable European sources. On request it can be supplied as FSC® Certified (FSC® C004450).



The stainless-steel activities are made of high-quality stainless steel. The steel is cleaned by a total pickling process after manufacturing to ensure a smooth and clean gliding surfaces.



Handholds are made of UV stabilized conditioned injection-molded polyamide (PA6) a great protection to all weather conditions. The ergonomically shaped handles guarantee a good and pleasant grip for all users.

Item no. NRO524-0801	
Installation Information	
Max. fall height	1'3"
Safety surfacing area	0ft²
Total installation time	1.5
Excavation volume	0.38yd³
Concrete volume	0yd³
Footing depth (standard)	2'7"
Shipment weight	197lbs
Anchoring options	In-ground ✓
Warranty Information	
Robinia Wood	10 Years
Stainless steel components	Lifetime
Spare Parts Availability	10 Years

Elevated activities 0	Accessible elevated activities	Accessible ground level activities	Accessible ground level play types
Present	0	1	1
Required	0	1	1



Sustainability Data

NRO524



Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
NRO524-0801	250.40	3.76	48.40

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

Kompan A/S

C.F. Tietgens Boulevard 32C
DK-5220 Odense SØ
Denmark



Verification of CO₂ calculation of: Nature play



Data version no. 2023-10-05

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Nature play" represented by item no.: NRO409-0621.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025

Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO₂ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

Publication date: 30. October 2023

By Bureau Veritas HSE
www.bureauveritas.dk
+45 7731 1000

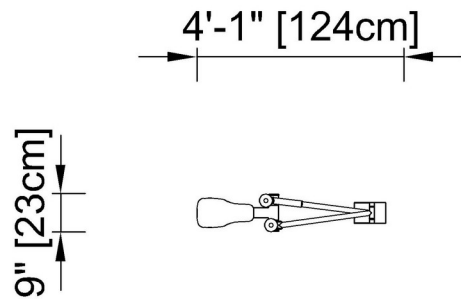


Excavator

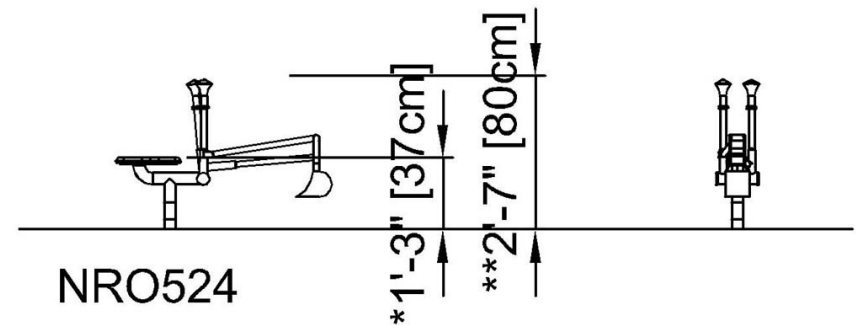
NRO524

* Max fall height | ** Total height | *** Safety surfacing area

* Max fall height | ** Total height



NRO524
* 1'-3" / 37cm
** 2'-7" / 80cm



[Click to see TOP VIEW](#)

[Click to see SIDE VIEW](#)

Moments Sign L

PCM203



Item no. PCM203-0601	
General Product Information	
Dimensions LxWxH	2'4"x0'4"x4'11"
Age group	-
Play capacity (users)	-
Color options	



With the KOMPAN signage concept it's possible to create customizable signs for all kinds of outdoor activity areas. Signs are an important way to make relevant and prescribed information available for the users of private or public areas. E.g. general or practical information or instructions about the use of a playground, opening hours, ideal user/age

groups, sponsors, contact information, etc. KOMPAN's customizable signage concept is flexible in the use of text, signs, and symbols to communicate a message. Selected products are available in GreenLine versions, with low carbon emission, made mainly from post-consumer ocean waste.

Moments Sign L

PCM203



Main posts with hot-dip galvanized steel footing are available in different materials: Pressure impregnated pinewood posts. Pre-galvanized inside and outside with powder-coated top finish steel posts. Lead-free aluminum with color anodized top finish. Greenline TexMade posts of 100% post-consumer recycled PE and textile waste.



High-quality polycarbonate with a thickness of 8mm. The graphic prints are added by a unique multi-layer print process where the inner layer is the image and outer transparent layer functions as protection. Both PC panel and the water-based lacquer are UV stabilized to prevent fading.

Item no. PCM203-0601		
Installation Information		
Total installation time	1.6	
Excavation volume	0.37yd³	
Concrete volume	0yd³	
Footing depth (standard)	2'0"	
Shipment weight	82lbs	
Anchoring options	In-ground	✓
	Surface	✓
Warranty Information		
Polycarbonate PC panels	10 Years	
Post	10 Years	
Spare Parts Availability	10 Years	

Sustainability Data

PCM203



Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
PCM203-0650	77.80	2.17	71.10
PCM203-0601	108.50	3.99	39.50

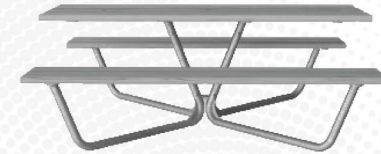
The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

Kompan A/S

C.F. Tietgens Boulevard 32C
DK-5220 Odense SØ
Denmark



Verification of CO₂ calculation of: Park



Data version no. 2023-10-05

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Park" represented by item no.: PAR4070-0001.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025

Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO₂ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

Publication date: 30. October 2023

By Bureau Veritas HSE
www.bureauveritas.dk
+45 7731 1000



Installation Instructions

Dig Bones

Part # AP003



591 South Boulevard Street
Gunnison, Colorado 81230
info@idsculpture.com
970-641-1747

Specifications: Dig Bones

- Material: GFRC Concrete
- Approximate Size: sizes vary, all dig bones are less than 2'-6"x3'x6"
- Approximate Weight: 30 - 90 Lbs
- Maximum fall height: 0"
- Age group: 2-12 years old

Required Parts (included):

- Dig Bones GFRC Sculpture(s)
- 3/8" x 3-1/4" J bolt: 2ct per dig bone
- "Dig Bones" drawing set

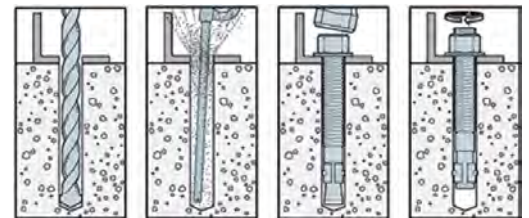
Recommended Equipment (not included):

- shovel or digging equipment
- 80lbs bag of concrete: 4.38ct per dig bone
- Concrete mixer, or shovel and wheelbarrow
- Form building material (2x4's, saw, nails...ect)
- Vise grips

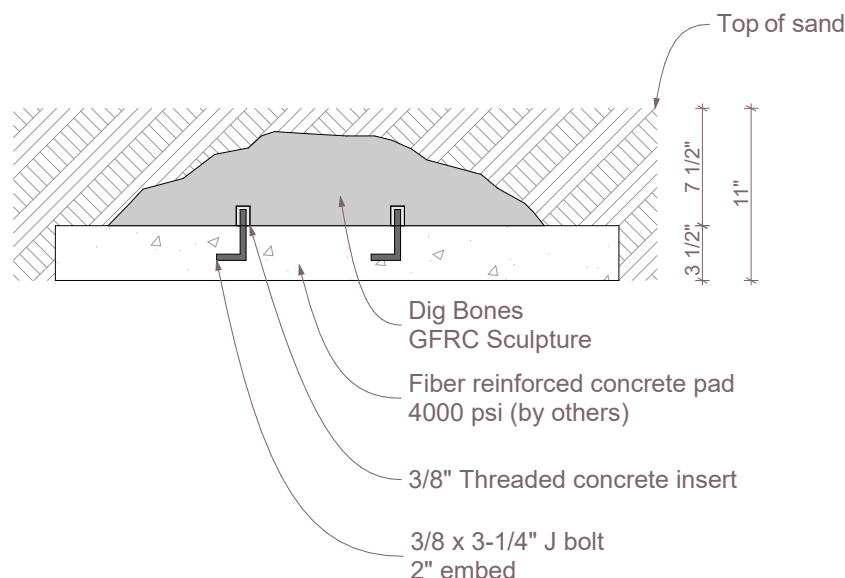


Important Notes:

- *Warning: Installation over a hard surface such as asphalt, or packed earth may result in serious injury or death from falls.*
- *It is the responsibility of the installer to ensure all components are installed in compliance with ASTM F-1487.*
- *All site built footings should be allowed to cure for a minimum of 48 hours prior to installation.*



Typical Wedge Anchor Installation



Section

Installation Instructions

Dig Bones

Part # AP003

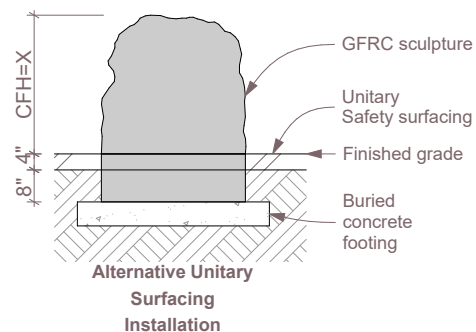
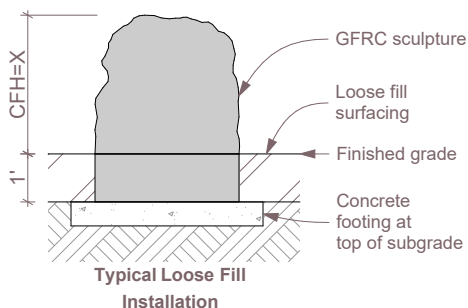


591 South Boulevard Street
Gunnison, Colorado 81230
info@idsculpture.com
970-641-1747

PRE-INSTALL CHECKLIST

Please review prior to ordering and installing ID Sculpture products.

- ☐ 1. Verify that you have the recommended lifting equipment to unload and install your component, as specified by the installation instructions. Please check the installation instructions for the weight of each component and shipping dimensions.
- ☐ 2. Develop a proper plan to access the site and control access prior to opening.
- ☐ 3. Call your local utilities to locate any potential existing below grade equipment?
- ☐ 4. FOR ALL SCULPTURES: Verify you have accounted for adjustments to the footing depth based on your choice of safety surfacing material. Footing depth must be adjusted to compensate for the depth/thickness requirements of the selected safety surfacing (*see diagrams below*). Layout drawings show the uninstalled dimensions of the component. If you require a modification to a standard component, please notify ID Sculpture when placing your order. *Additional charges may apply.*



*Critical Fall Height (CFH)

- ☐ 5. Verify that you have installed any required footings prior to the arrival of your sculptures. Please note, footings should be allowed to cure for a minimum of 7 days.

Important Safety Note:

Please install and maintain adequate protective surfacing under and around your equipment. Never let children play on the equipment before protective surfacing is installed. Please consult ASTM F1487 for more information.

Installation Instructions

Dig Bones

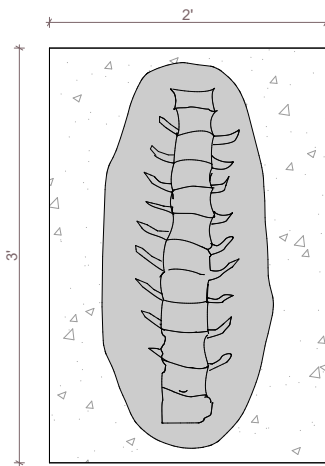
Part # AP003



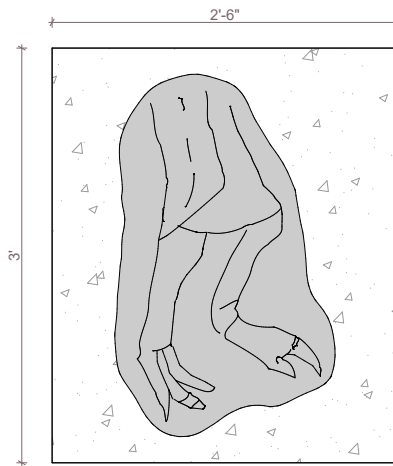
591 South Boulevard Street
Gunnison, Colorado 81230
info@idsculpture.com
970-641-1747

Sculpture Installation:

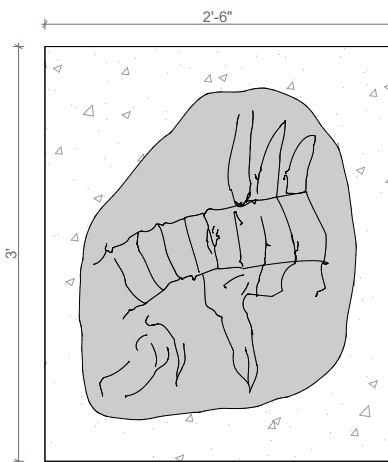
1. Locate the center points of the desired installation location.
2. Excavate a flat 4'x4' area to an 11" depth (11 inches below finish grade of sand).
3. Build a concrete form in the desired installation location.
4. Fill form with wet concrete.
5. Insert the 3/8" x 3-1/4" J bolts into the back of the dig bone, tighten with vise grips.
6. Carefully place the dig bone into the wet concrete until the anchor bolts are submerged and its base edge is in contact with wet concrete .
7. Allow to cure overnight before stripping the formwork and back filling with sand
8. Note: it is the responsibility of the installer to verify compliance of use zones as required by ASTM 1487.



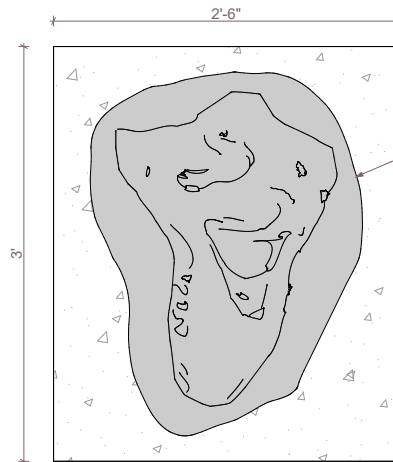
AP003-1



AP003-2



AP003-3



AP003-4

Fiber reinforced concrete pad
4000 psi (by others)
GFRC sculpture
Plan outline

Plans