

KUNSTSTOF

De volledige speelplek in duurzaam kunststof

Plastic als recyclebaar materiaal

Het principe is eenvoudig: Afvalstoffen worden voorgesorteerd, gereinigd en in de voorbereidingsfase verwerkt tot hoogwaardig granulaat. Hier komen de systeemcomponenten voor onze speeltoestellen vandaan. Het eindresultaat is een duurzaam product voor veel speelplezier: kinderspeeltoestellen gemaakt van gerecycled plastic.

Recyclingbak voor grondstoffen

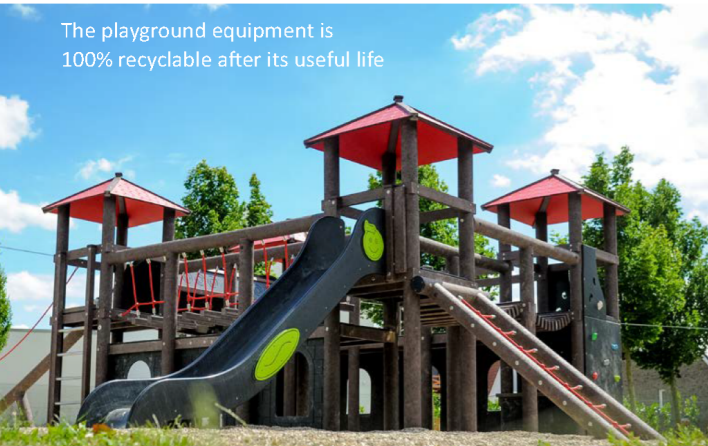


Schoonmaken, versmelten, granuleren



Palissades en profielen vormen de basis voor onze speeltoestellen

The playground equipment is 100% recyclable after its useful life



Waar komt ons plastic vandaan?

De circulaire economie maakt onderscheid tussen plastic afval afkomstig van particuliere huishoudens en dat van de industrie. Voor onze speeltoestellen worden beide soorten afval gebruikt.

Afval na consumptie wordt gegenereerd door eindgebruikers, dat wil zeggen in huishoudens of kantoren. Het merendeel hiervan betreft verpakkingen die in Duitsland in de recyclingbak worden ingezameld. Omdat verschillende soorten kunststoffen (PE/PP) gemengd worden, moet de verwerking voorafgegaan worden door een schone en complexe sortering.

Postindustriële afval wordt gewonnen in de industriële productie. Het uitval (PE) wordt hier direct netjes gescheiden en kan direct worden hergebruikt. De verwerking is daarom veel eenvoudiger en goedkoper dan voor post-consumptieafval.

We zijn er bijzonder trots op dat we jaarlijks ongeveer 1.000 ton post-consumer materiaal terug in de materiaalcyclus kunnen brengen.



Het goede voorbeeld geven

Westfalia heeft ook productieafval, b.v. van onze CNC-freesmachines of de houtskeletbouwerij. De overige stukken worden tijdens de verwerking per soort gescheiden en via onze partners terug in de materiaalkringloop gebracht. Onze materialen krijgen echt meerdere levens!

Each tonne of recycled plastic spares the environment 1.6 tons of CO² and preserves two tonnes of crude oil for nature.

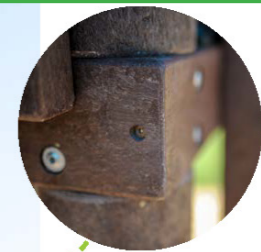
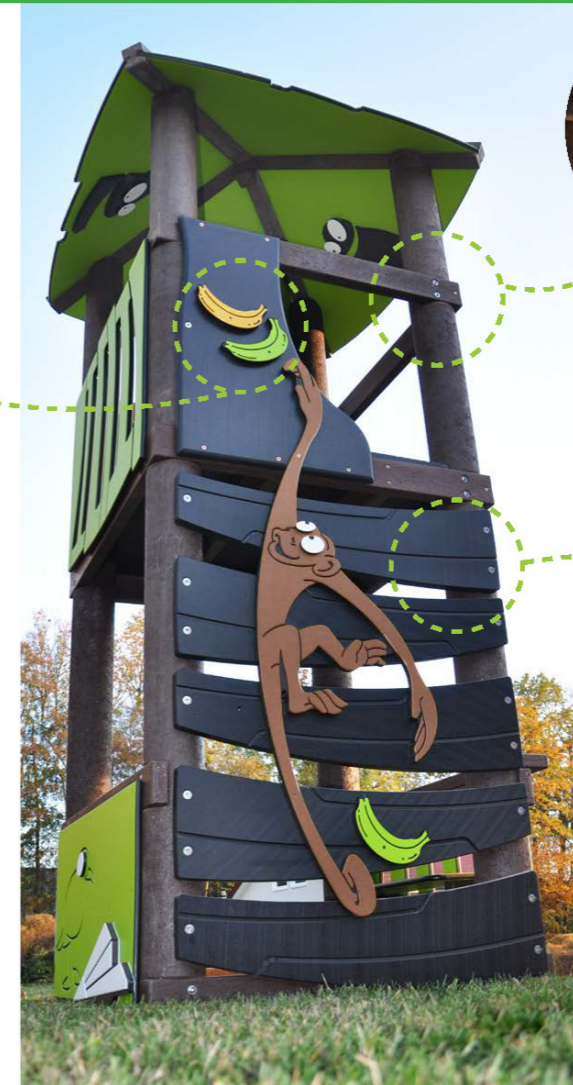
Source Remondis

Onze materialen – 100% recyclebaar



Nieuwe producten

- Drielaagse panelen met gekleurde deklaag van 2 mm
- UV-bestendig oppervlak
- 100% recyclebaar
- Gebruik: Toepassingen, daken, borstweringen



Post-consument

- 100% gerecycled verpakkingsafval uit de prullenbak
- Palissades & profielen vormen het basisframe voor speeltoestellen



Post-industrie

- Gerecycled plastic uit de industrie
- Hoge mechanische veerkracht
- Geschikt voor dragende delen
- Toepassing: Vloerplaten, klimwanden, glijbaanwanden, fonteininstallaties

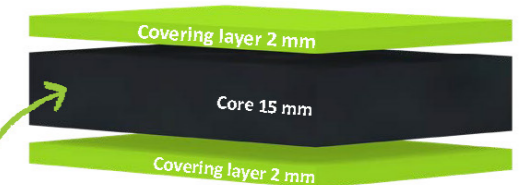


In de toekomst nog meer gerecycled

Wij zorgen voor een hoge speelwaarde en kleurrijk design bij de productontwikkeling. Gerecycled plastic kan alleen in gedempte kleuren worden geproduceerd. Onze drielaagse panelen voegen kleur toe met een deklaag van nieuw plastic.

Om het aandeel nieuw plastic nog verder terug te dringen, hebben wij samen met onze partners een drielaags paneel met een kern van gerecycled materiaal ontwikkeld. Het grootste deel van ons panelenassortiment is al overgestapt op het gebruik van een gerecyclede kern. Wij zijn trots en optimistisch: vanaf 2021 wordt alleen de gekleurde deklaag nog van nieuw plastic gemaakt.

Structuur van een drielaags paneel



Vanaf 2021
met een gerecyclede kern!

Sterke eigenschappen

Onze palissades en profielen van gerecycled kunststof zijn uiterst stabiel en veerkrachtig, maar blijven tegelijkertijd buigzaam en flexibel. Net als in de vliegtuigbouw compenseert dit de spanning op het materiaal. Onze speeltoestellen kunnen daardoor merkbaar bewegen. Het kan zichtbaar schommelen of lichtjes buigen terwijl kinderen erop spelen. Deze functie maakt deel uit van onze unieke speeltoestellen. Het is volkomen veilig.

Veroudering

Kunststoffen verouderen veel langzamer dan de meeste andere materialen. Voor onze speeltoestellen is dit een groot voordeel. Vooral speeltuinen zijn immers voortdurend onderhevig aan verschillende omgevingsinvloeden die ervoor zorgen dat materialen verouderen: hitte en kou, vochtigheid, UV-straling en mechanische belasting. Kunststoffen zijn zelfs bestand tegen zeewater en zout. Onze kunststofelementen voldoen aan al deze uitdagingen. Wij geven er 15 jaar garantie op.



Materialen getest in testlaboratoria

Apparatuur die al jaren wordt gebruikt, hebben wij gedemonteerd en door testlaboratoria laten testen op breuksterkte om de duurzaamheid van onze producten te kunnen monitoren. Hieruit blijkt dat de speeltoestellen ook na ruim tien jaar niet zodanig verouderen dat de veiligheid in het gedrang komt.



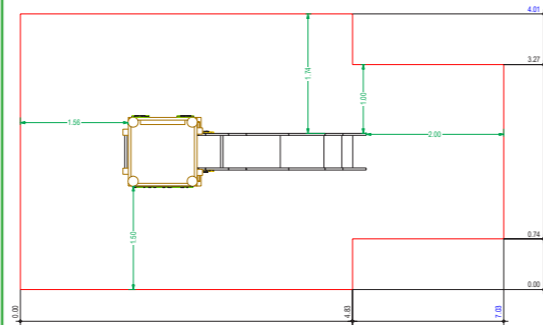
Palisade
cross section



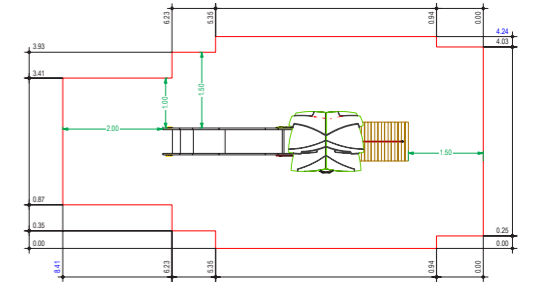
Een materiaal met verleden,
heden en toekomst
Gerecycled plastic



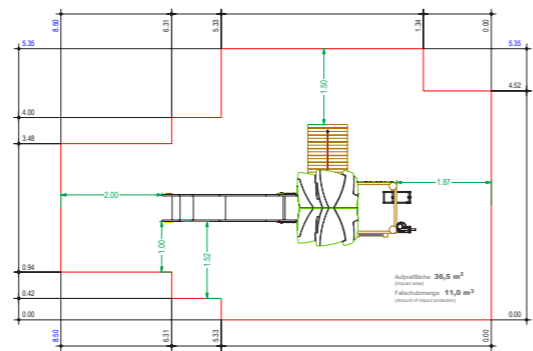




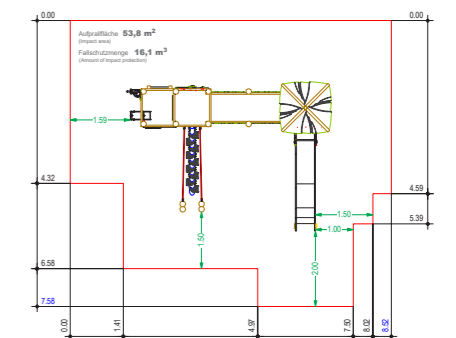
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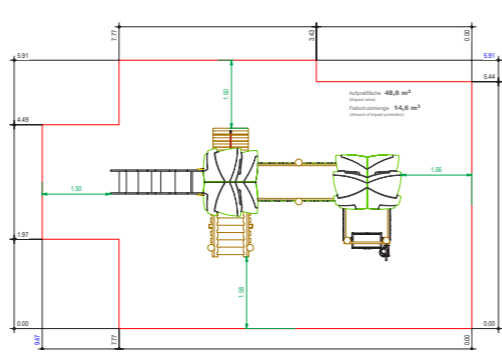
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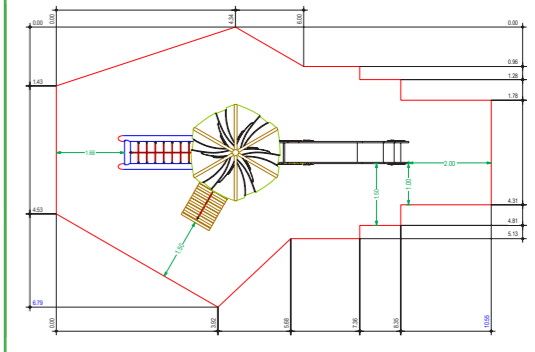
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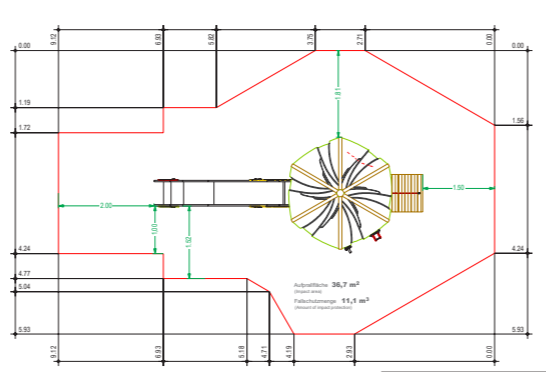
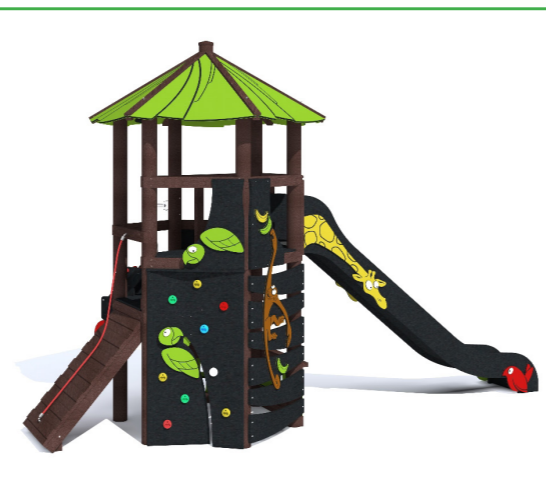
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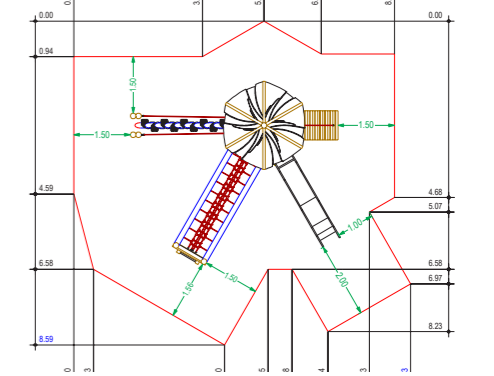
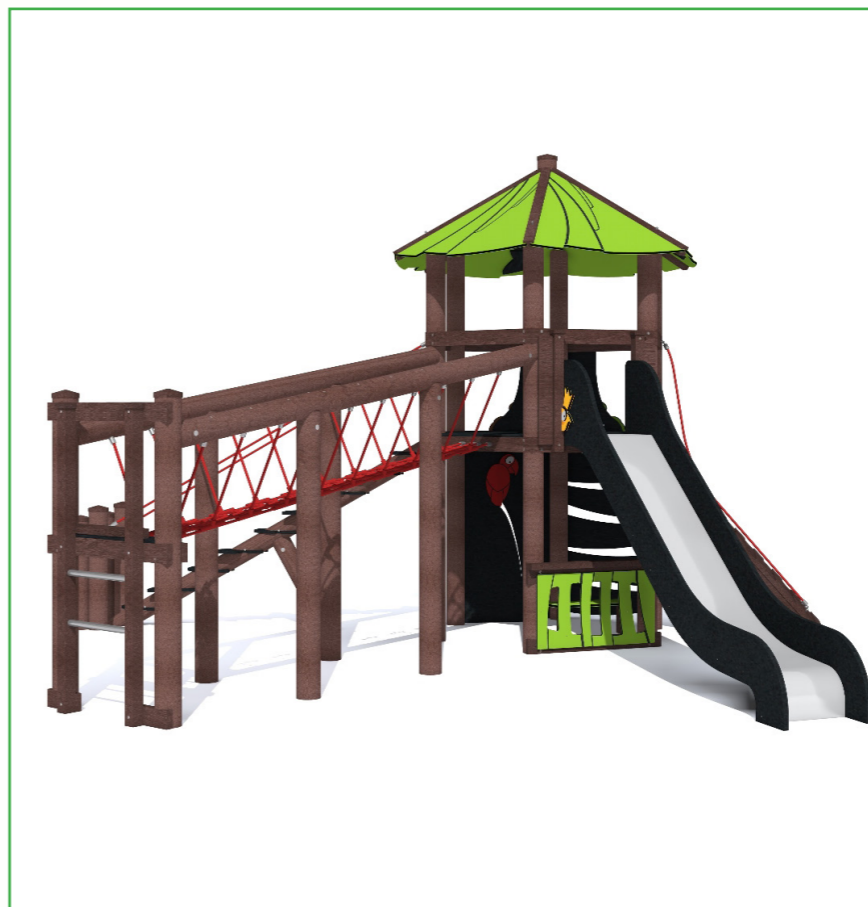
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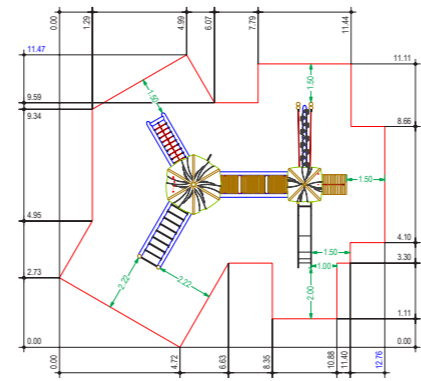
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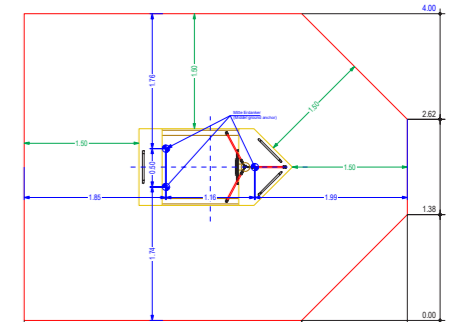
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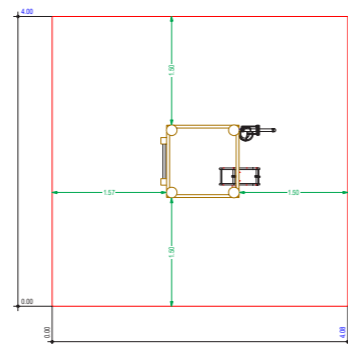
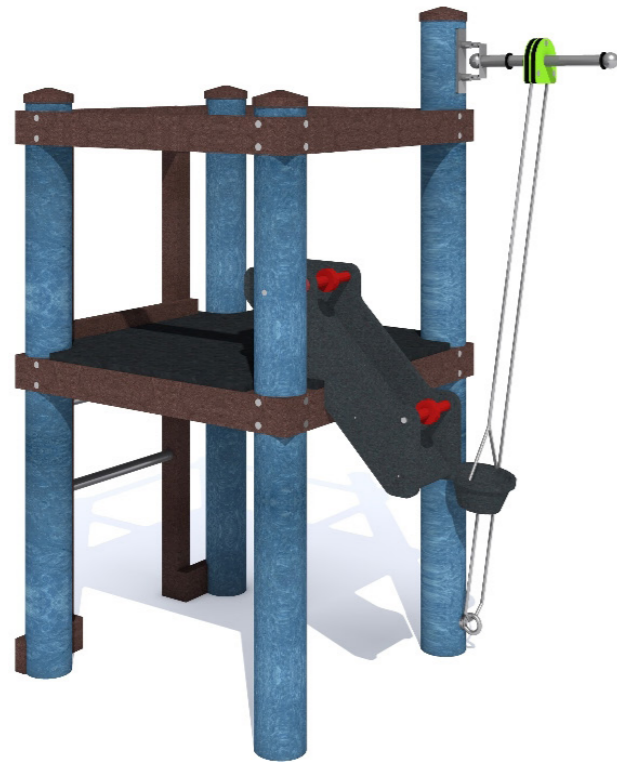
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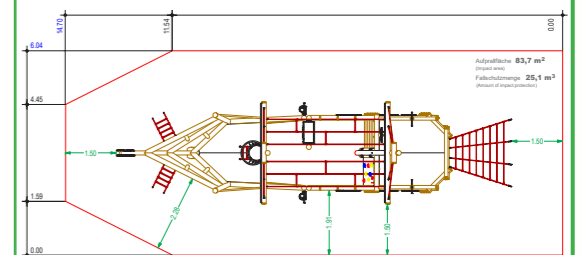
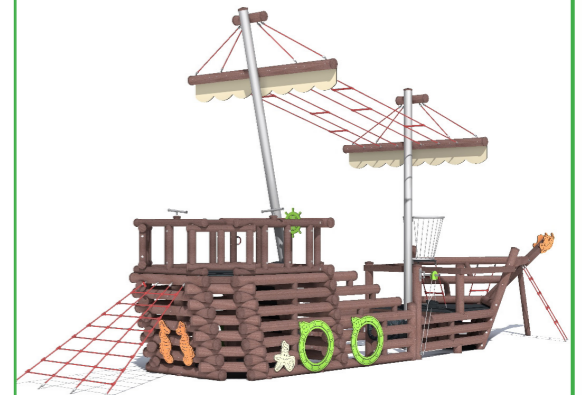
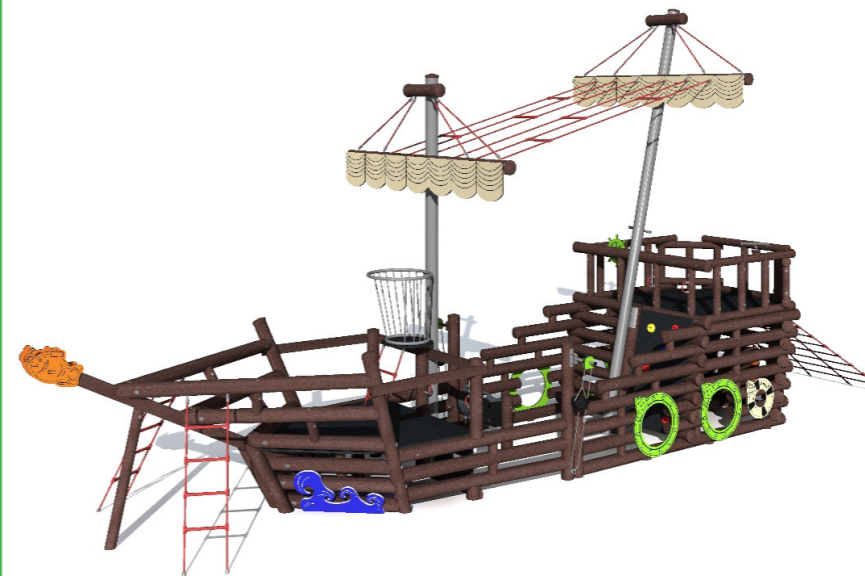
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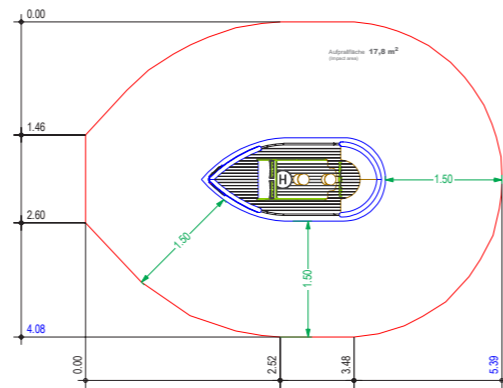
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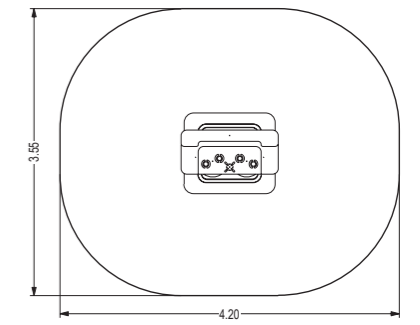
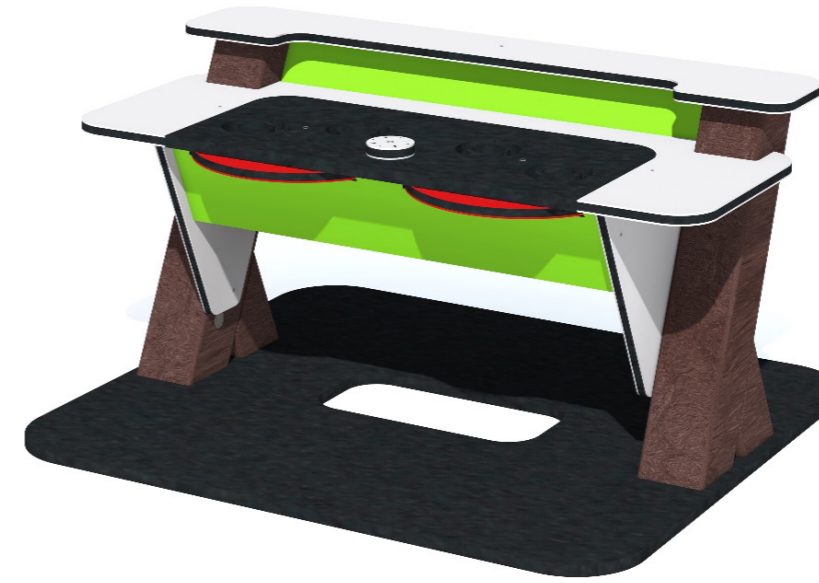
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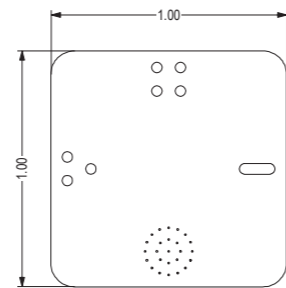
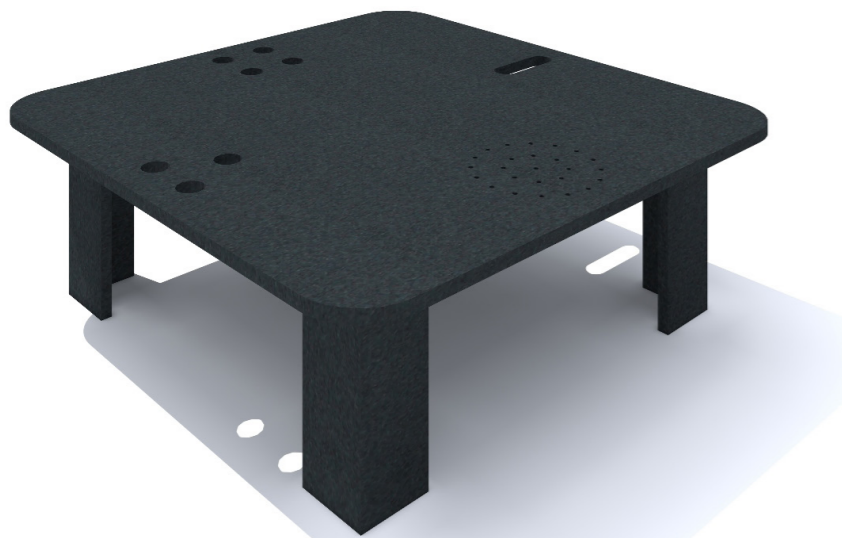
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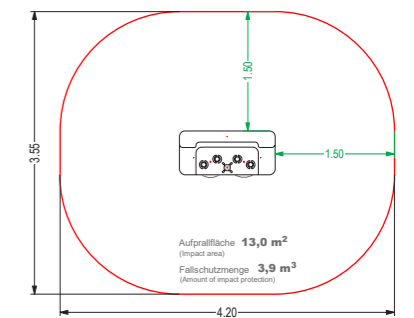
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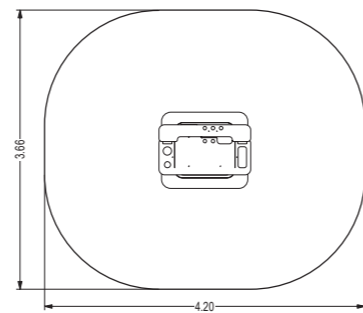
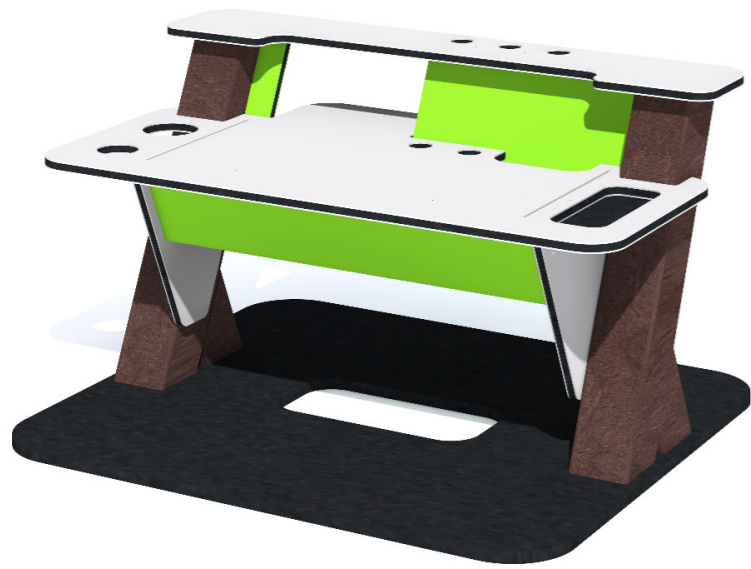
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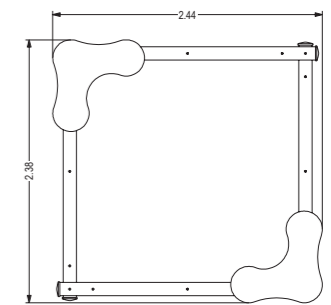
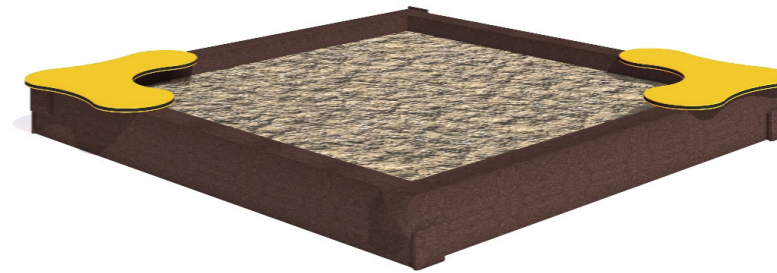
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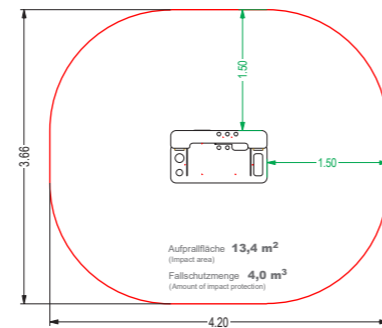
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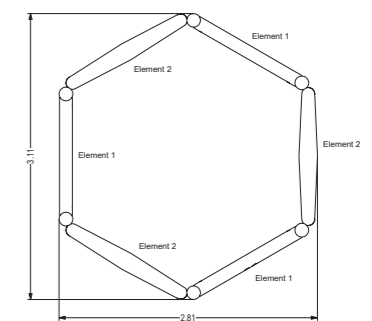
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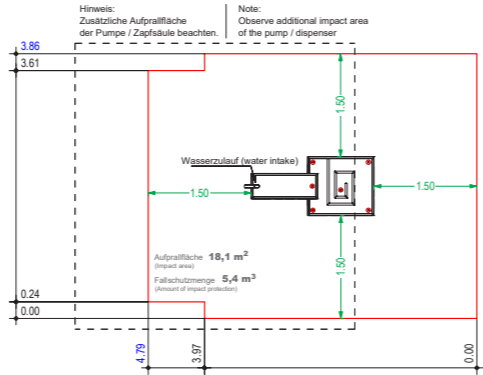
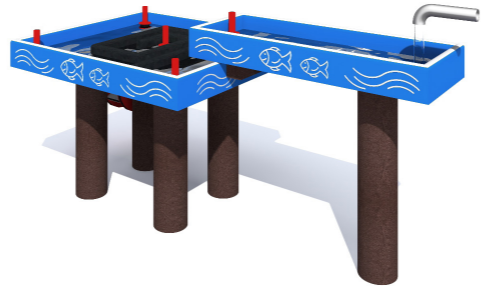
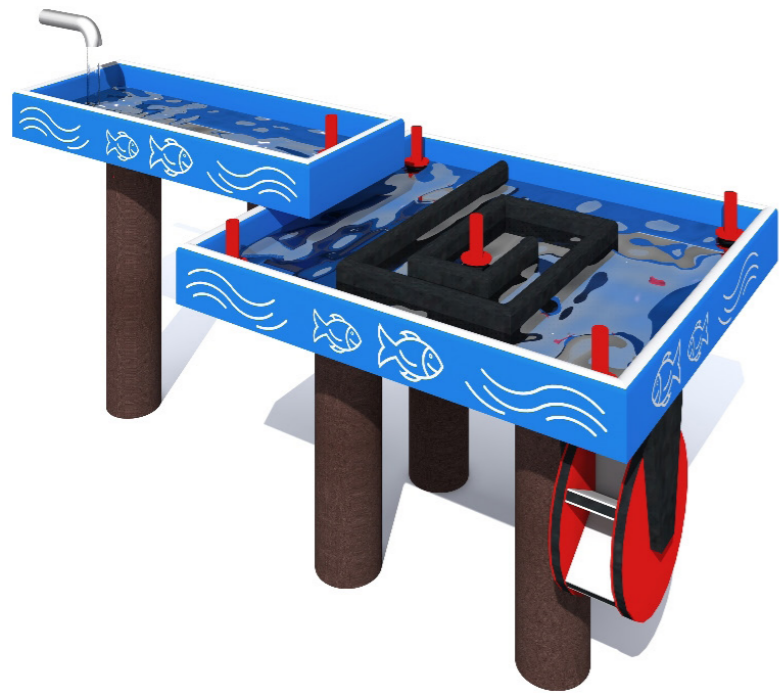
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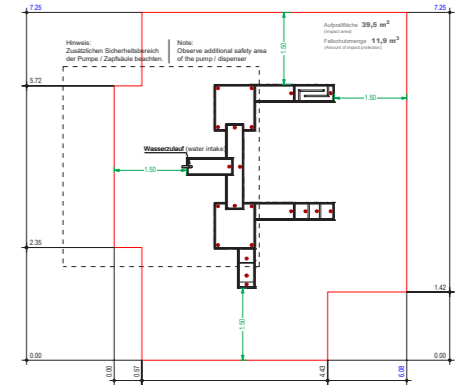
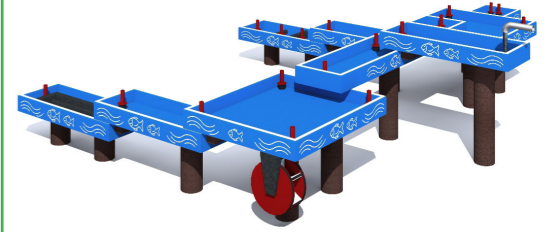
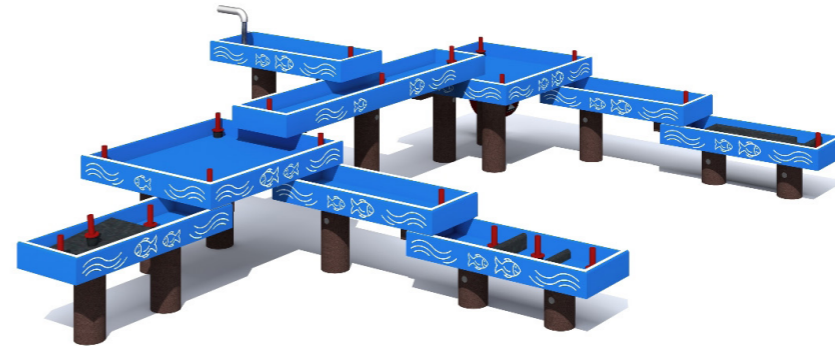
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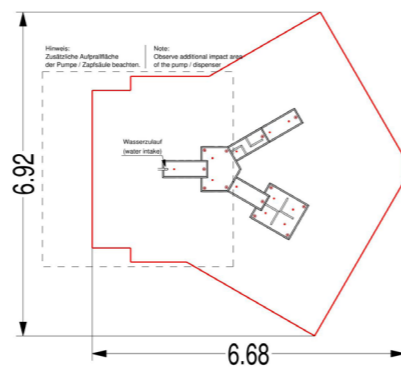
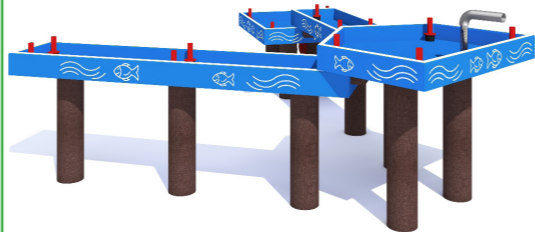
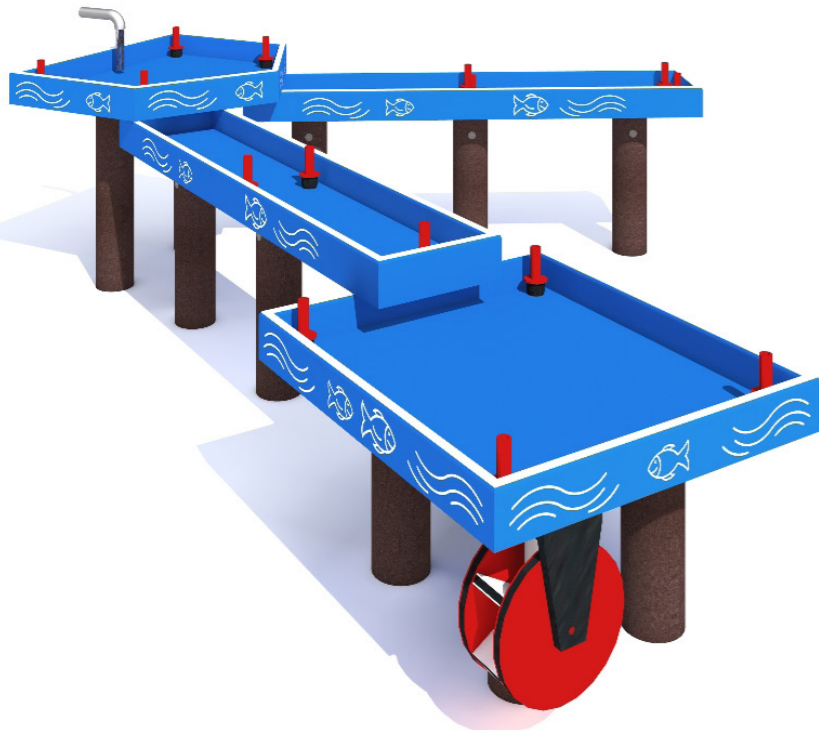
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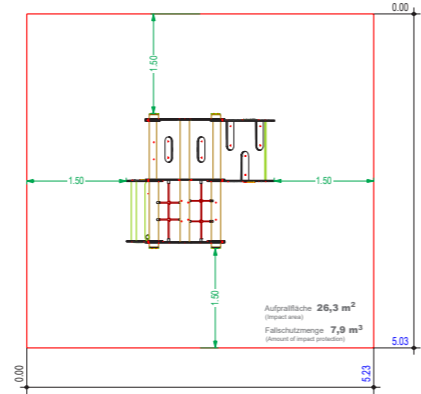


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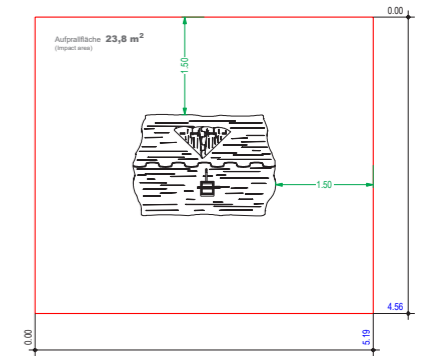


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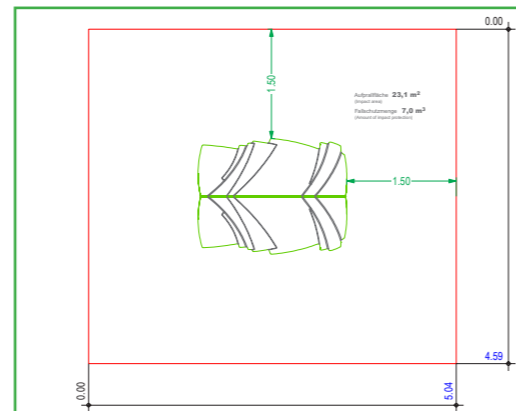




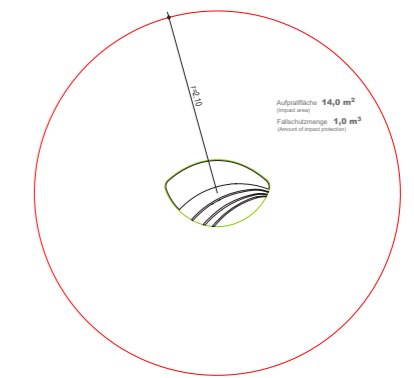
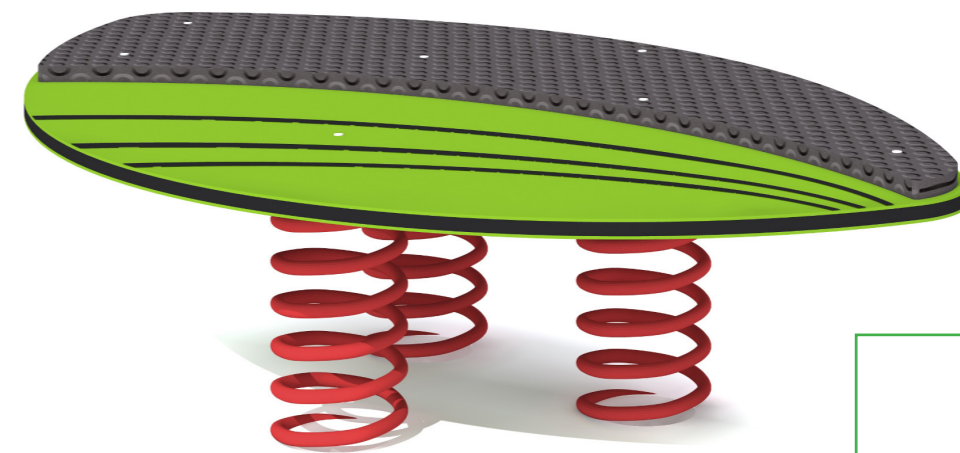
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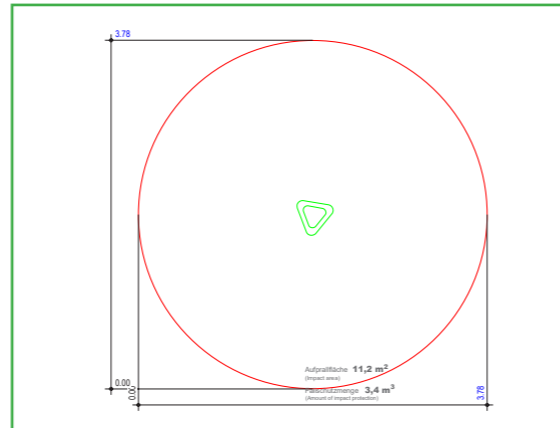
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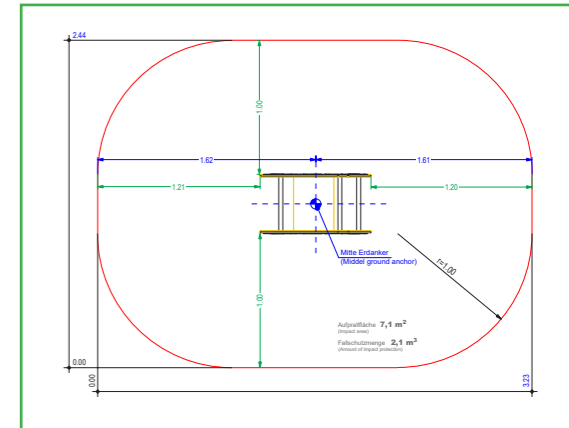
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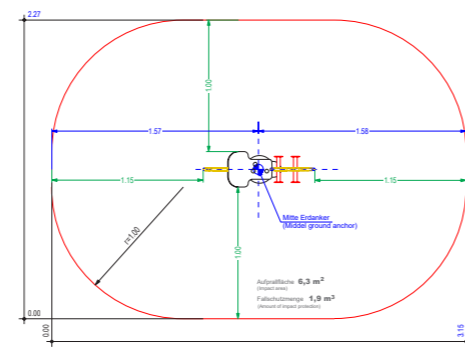
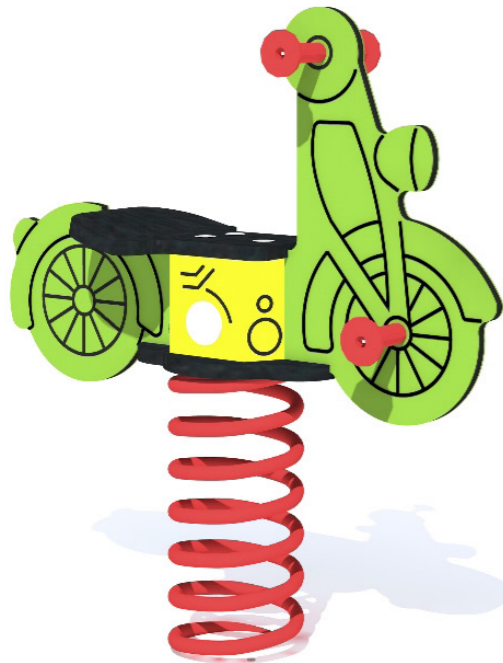
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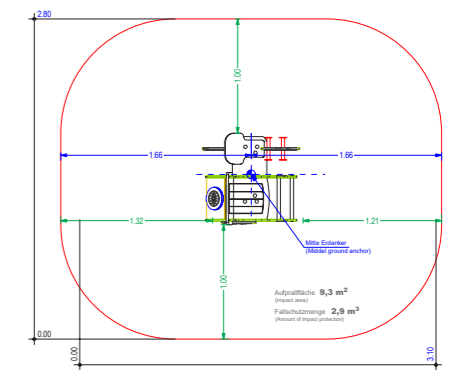
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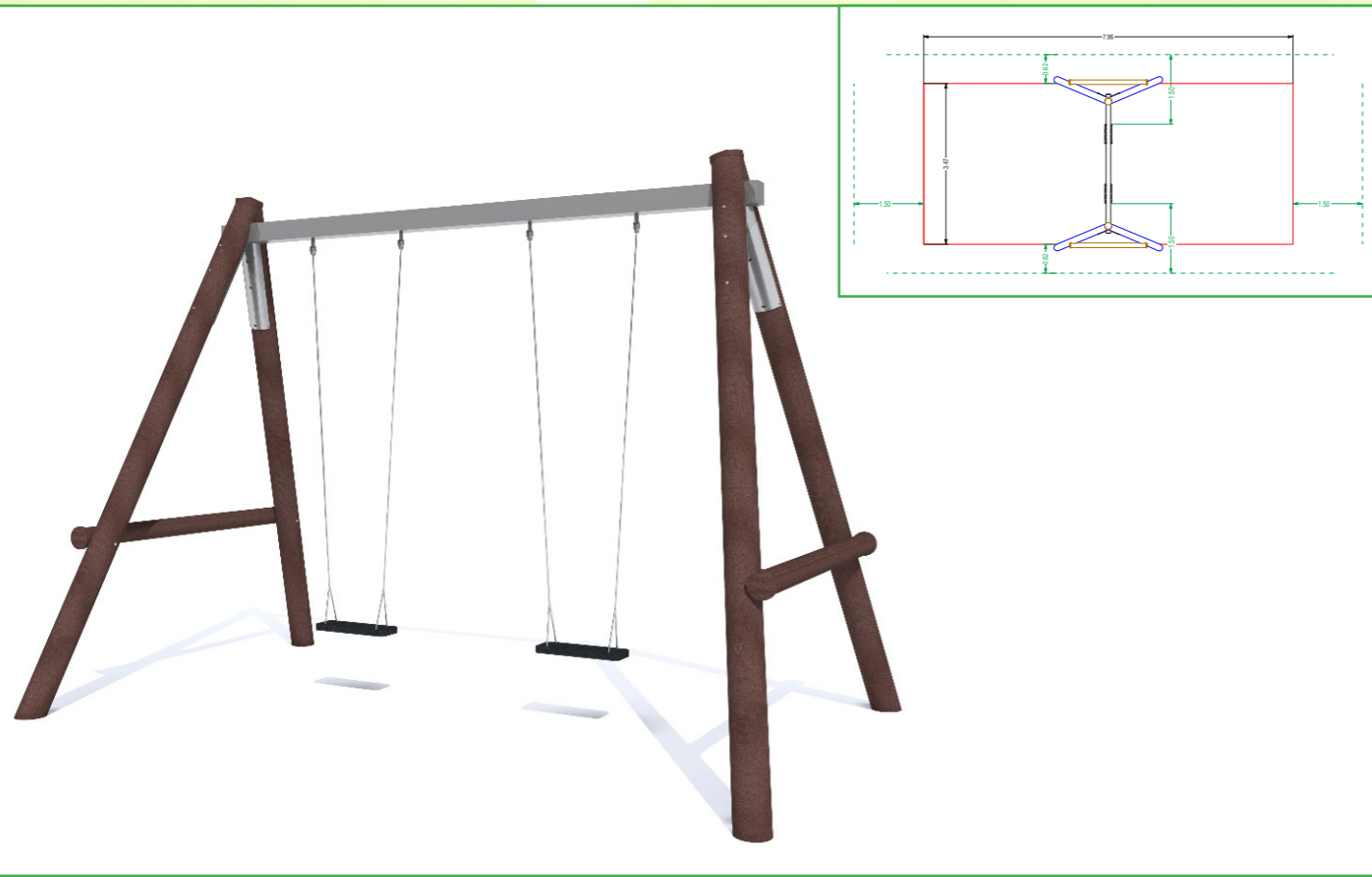
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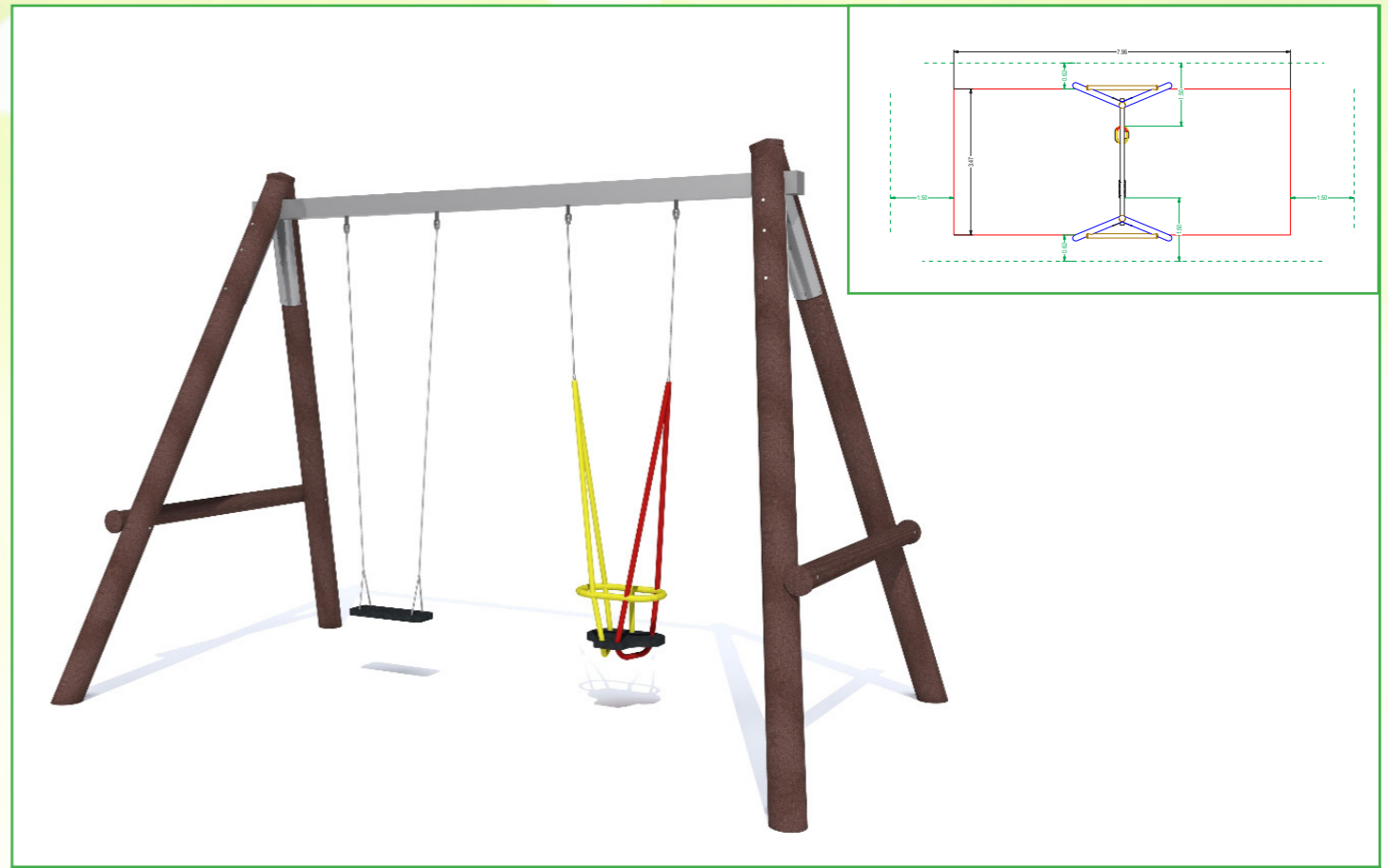
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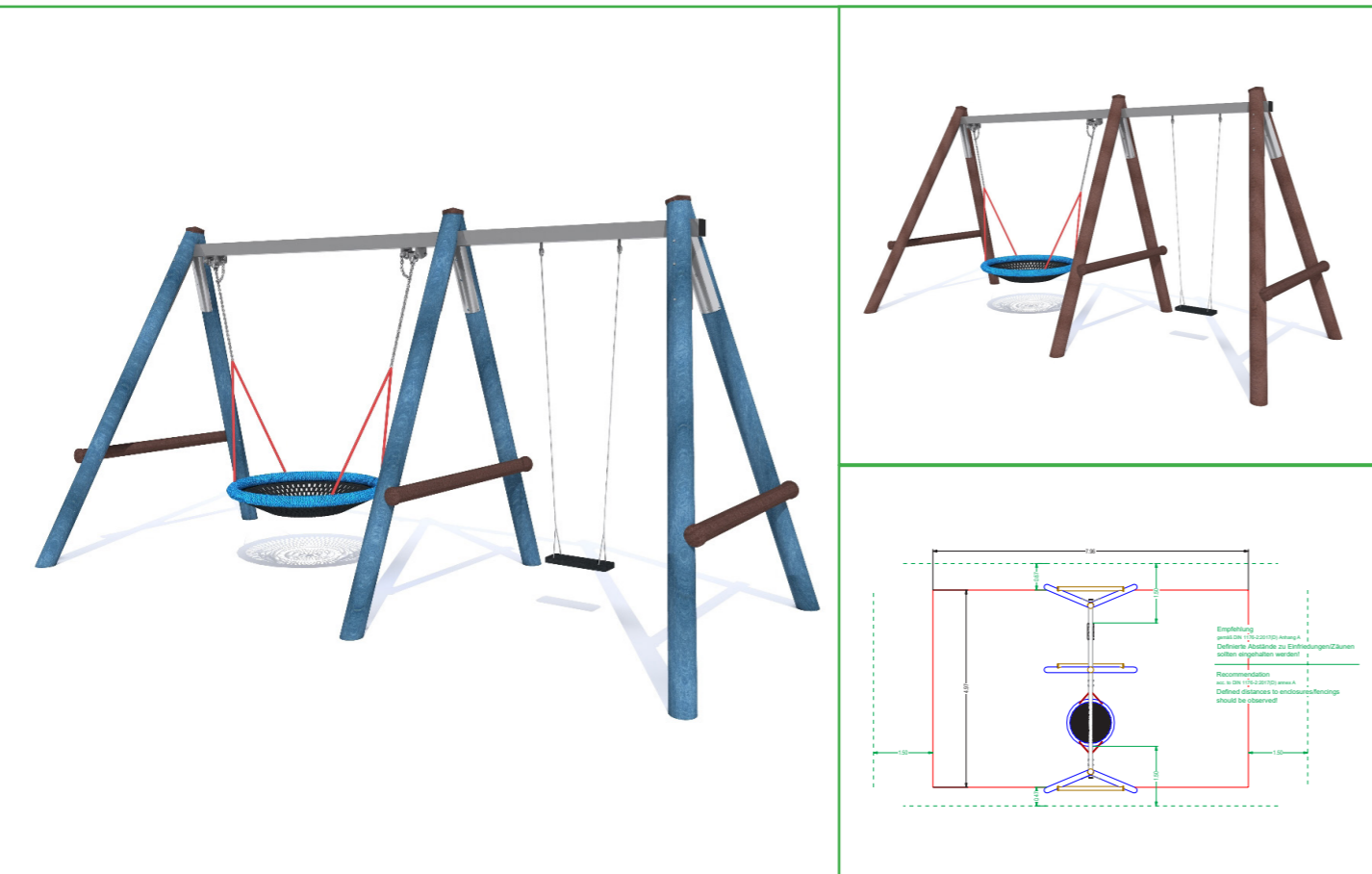
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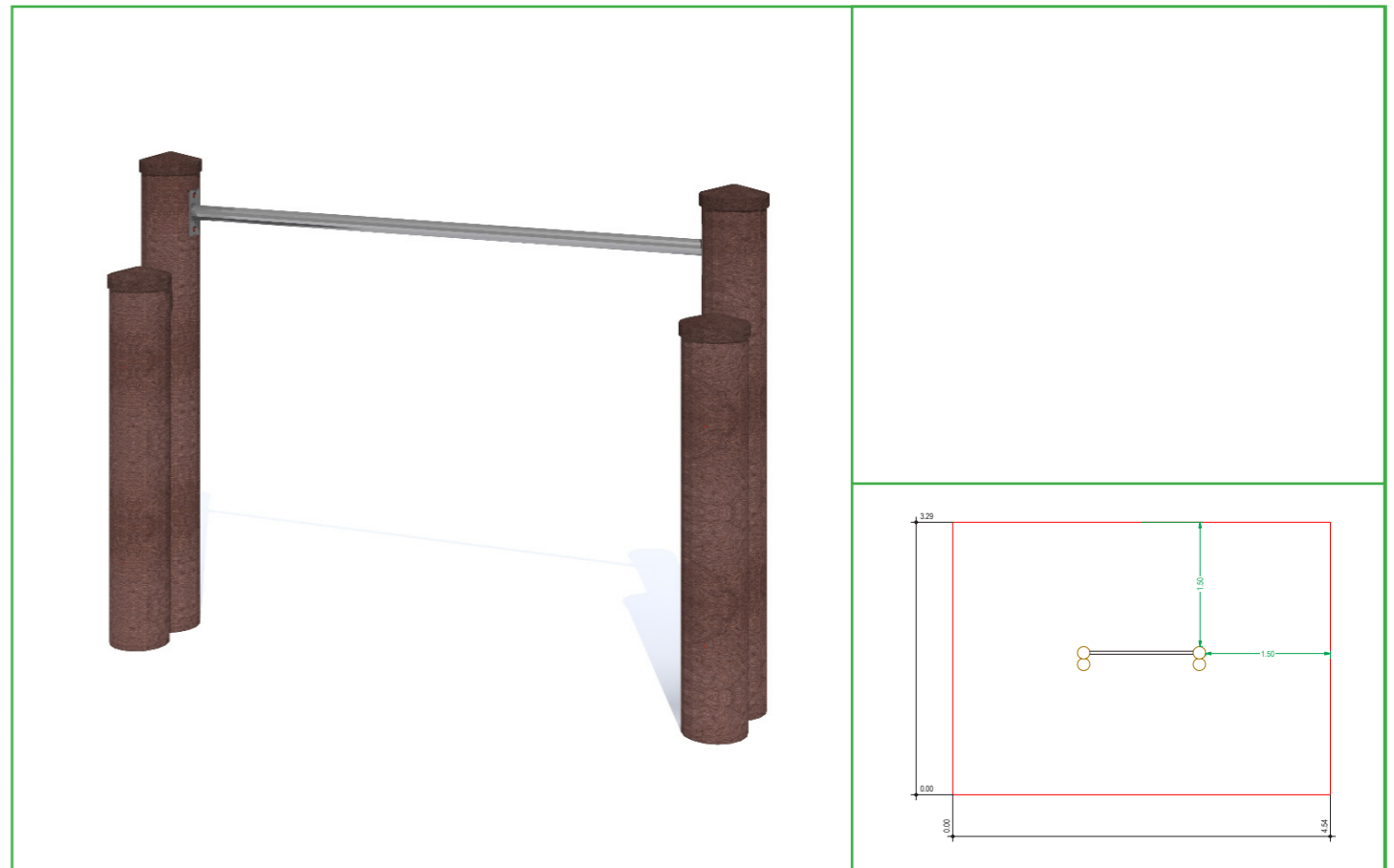
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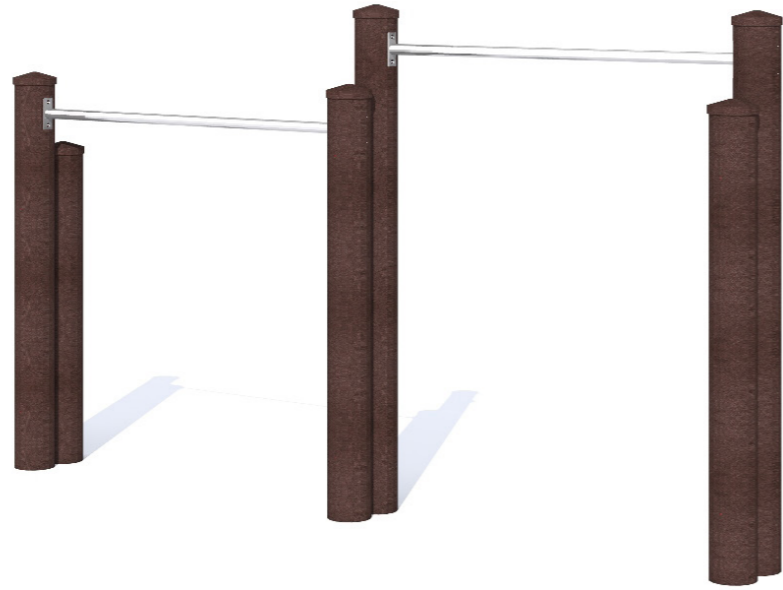
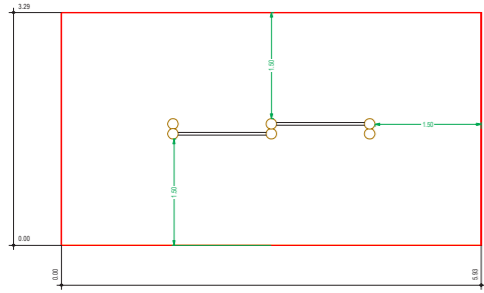
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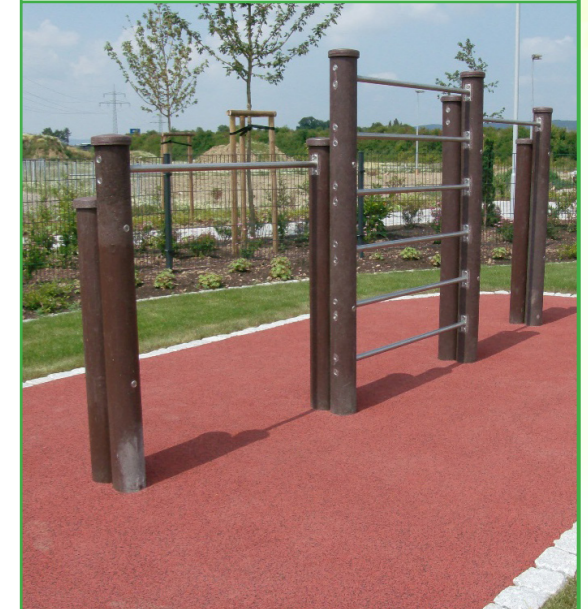
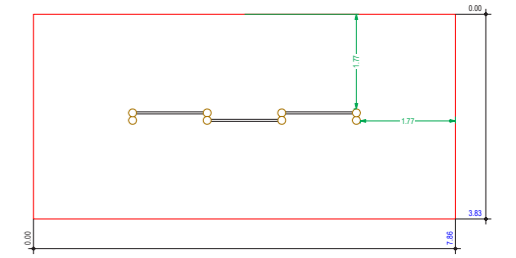
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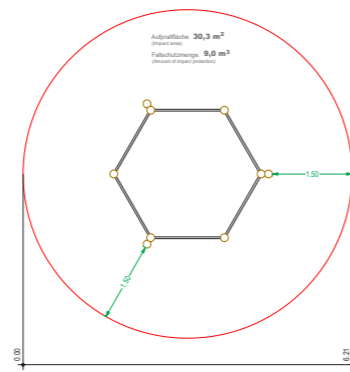
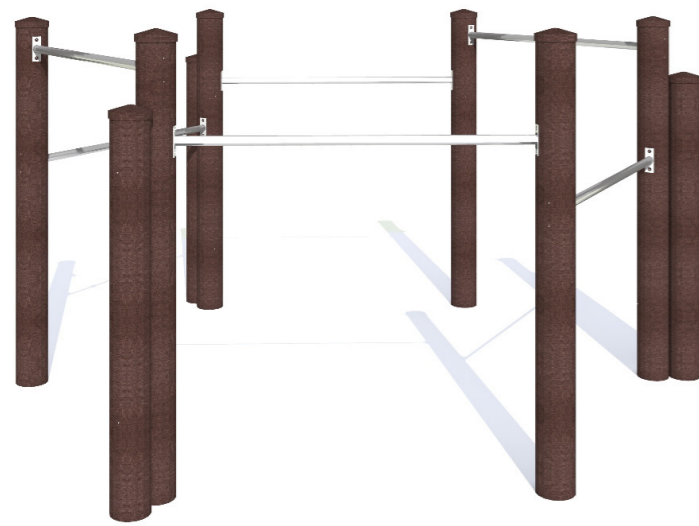
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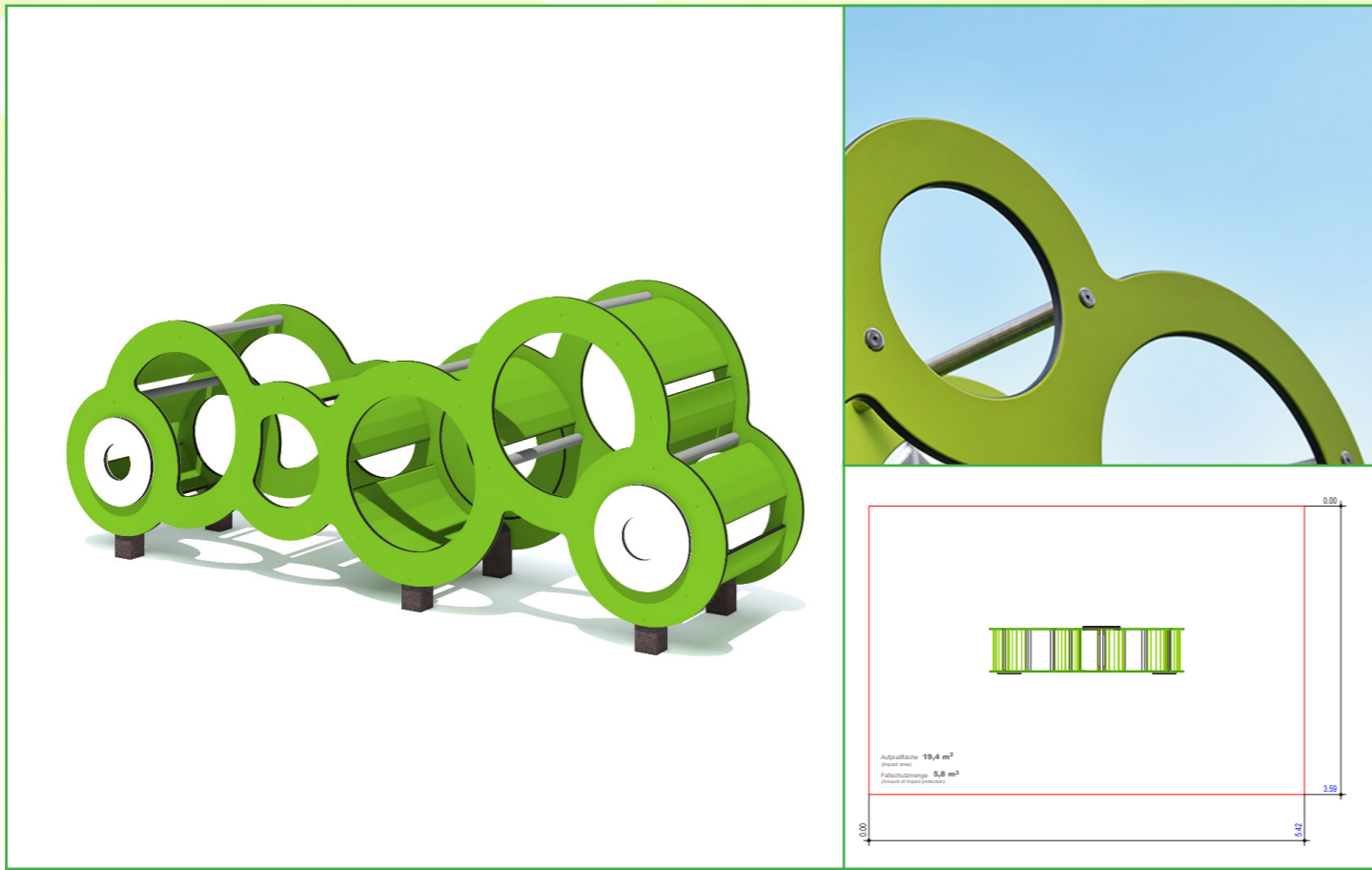
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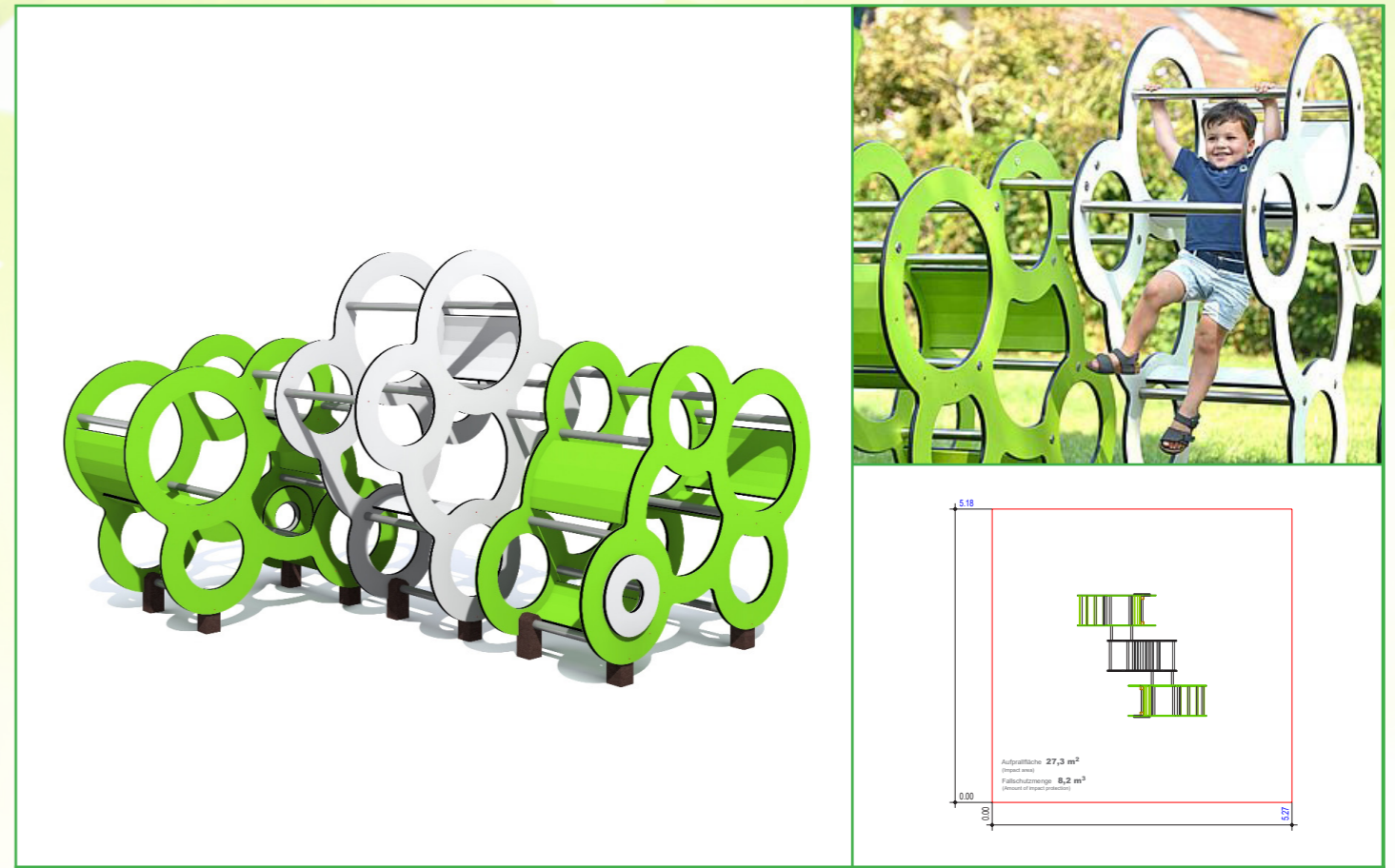
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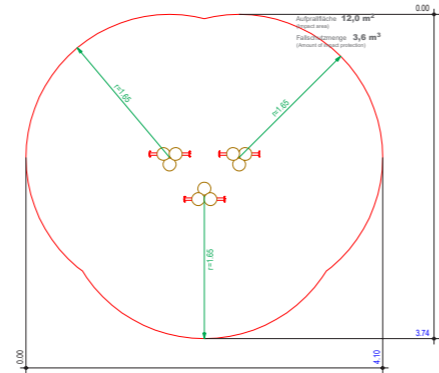


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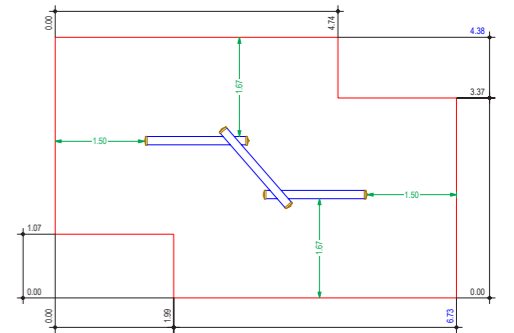


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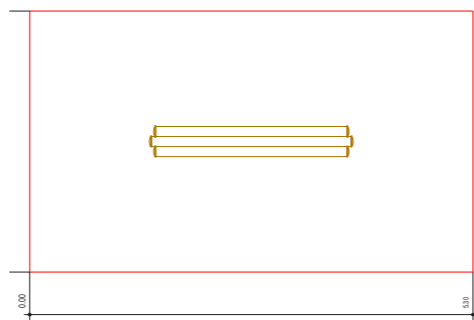




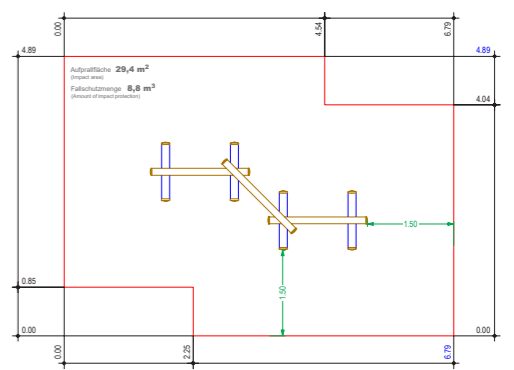
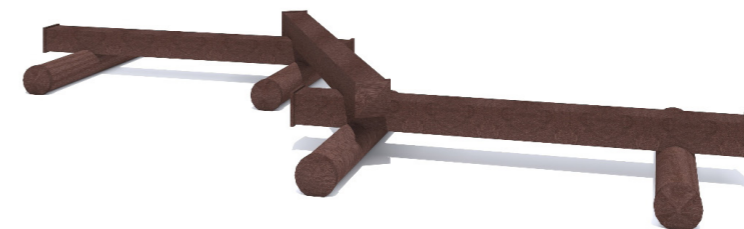
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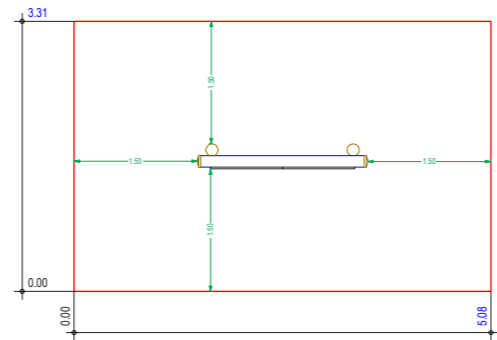
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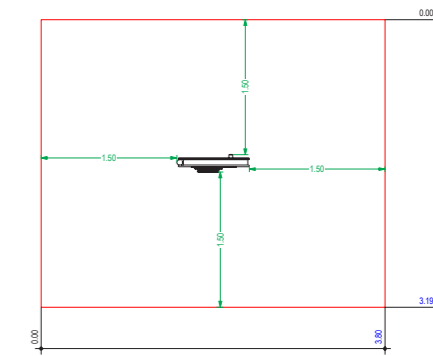
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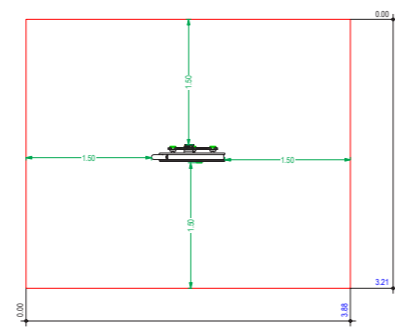
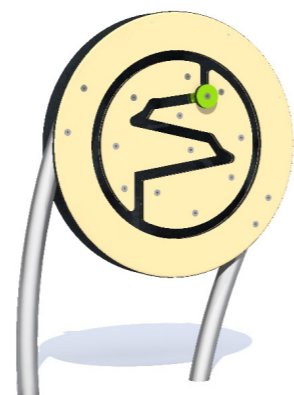
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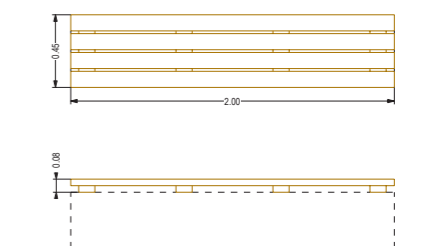
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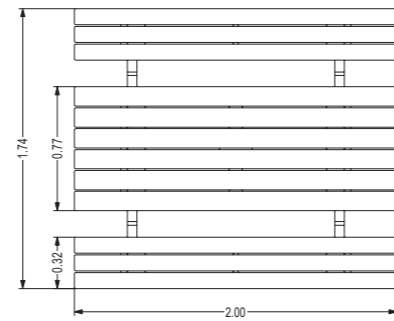
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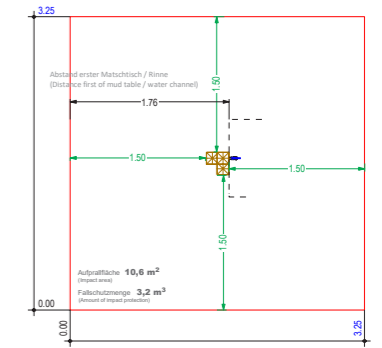
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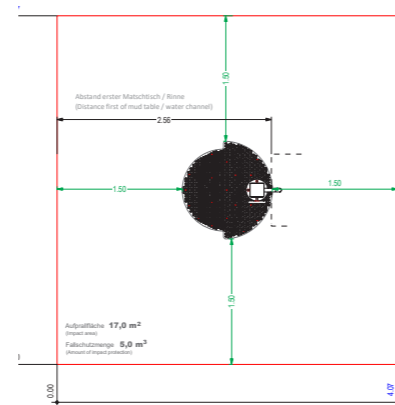
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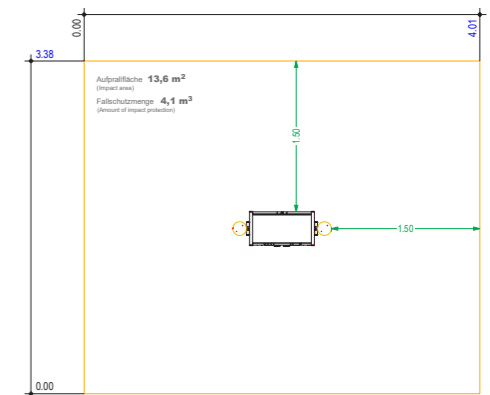
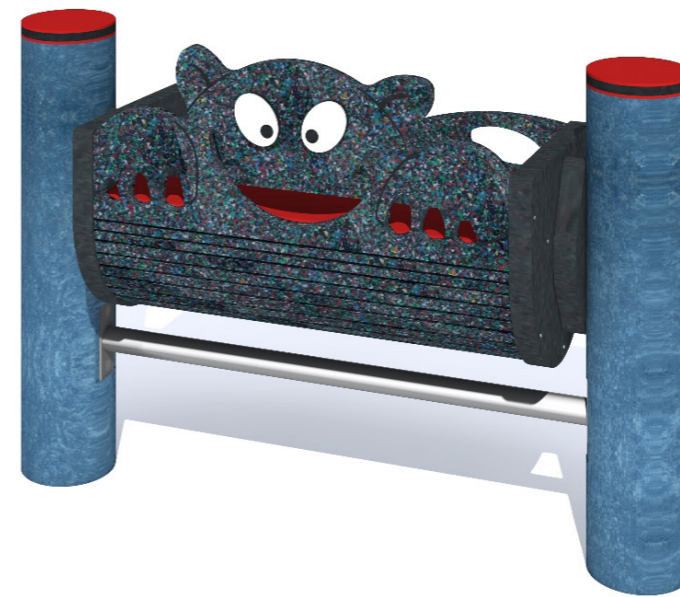
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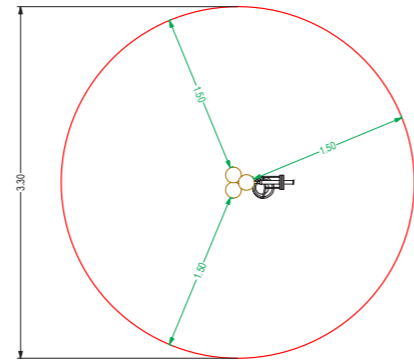
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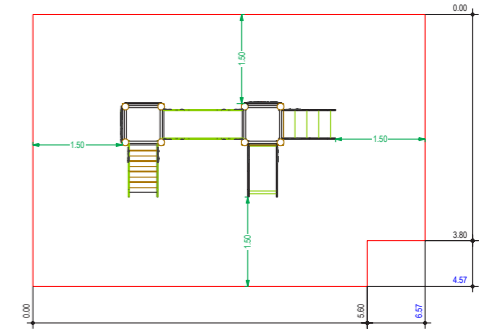
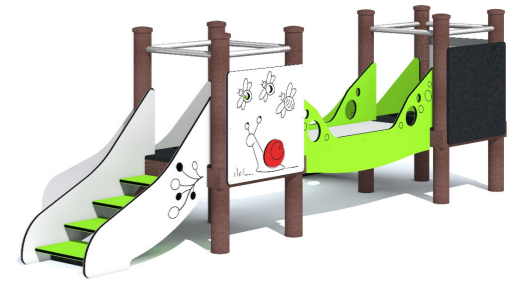
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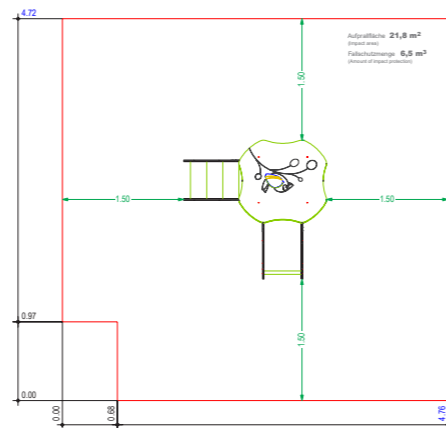
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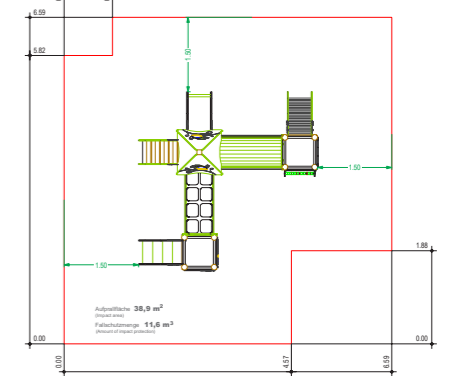
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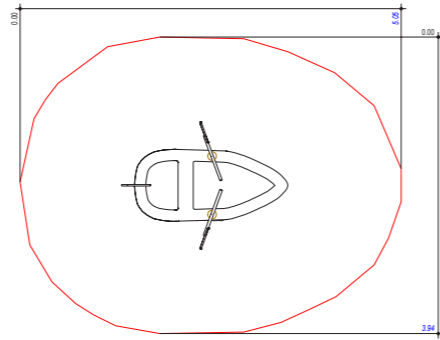
GC4-207-099-KBR-4001 | ?



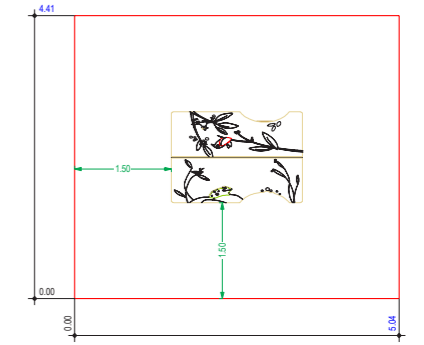
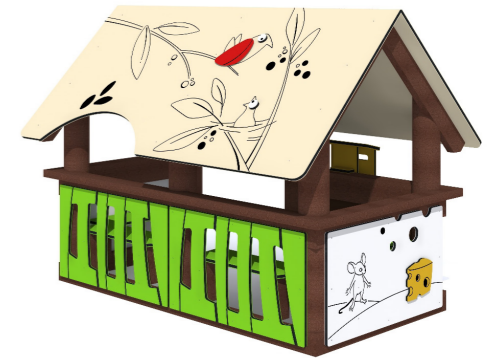
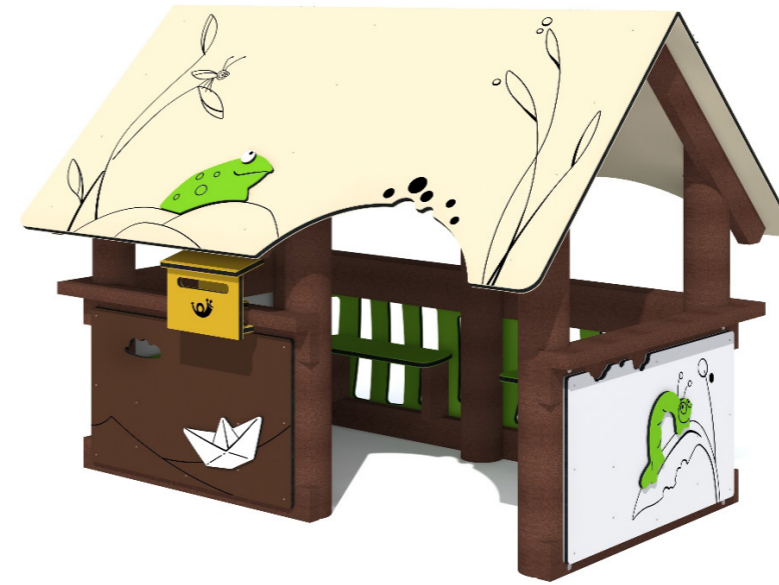
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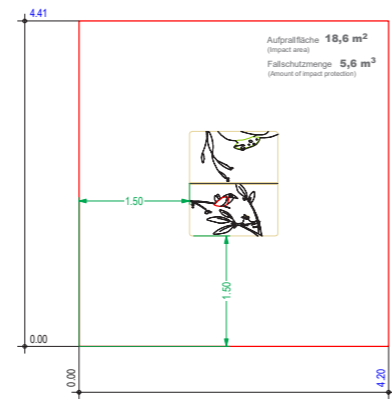
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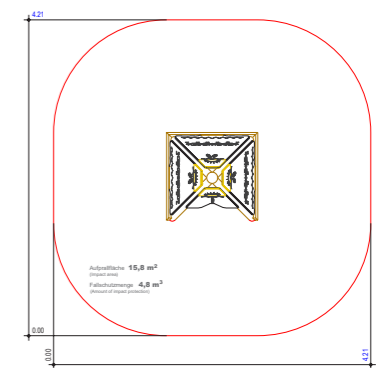
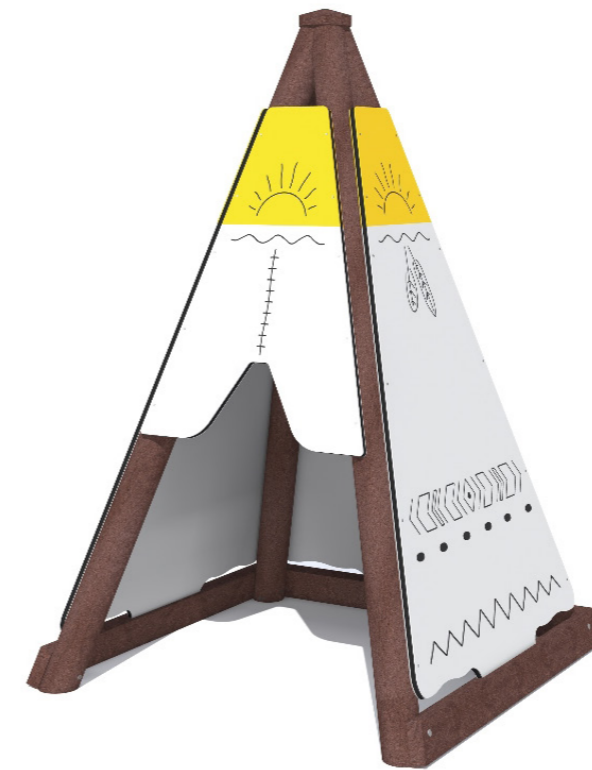
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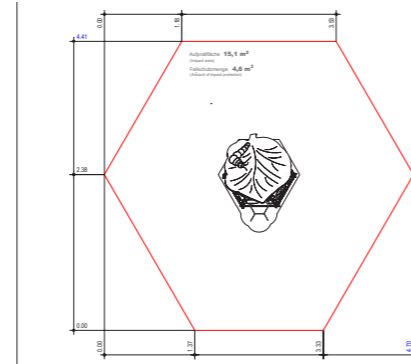
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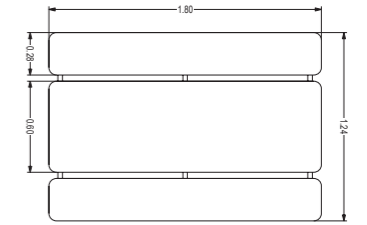
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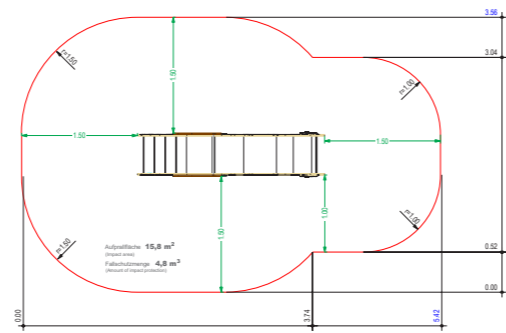
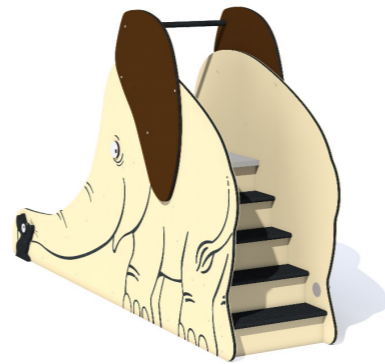
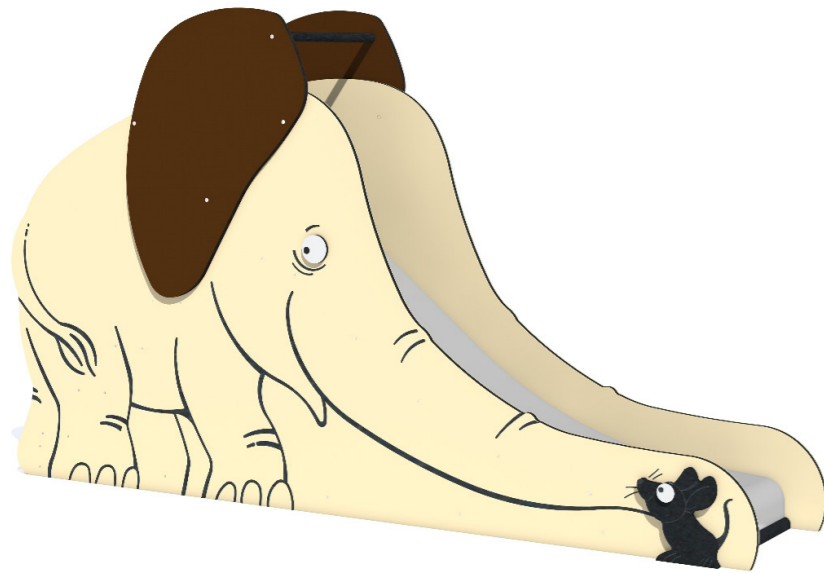
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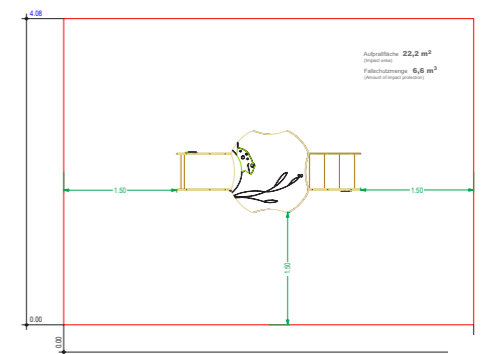
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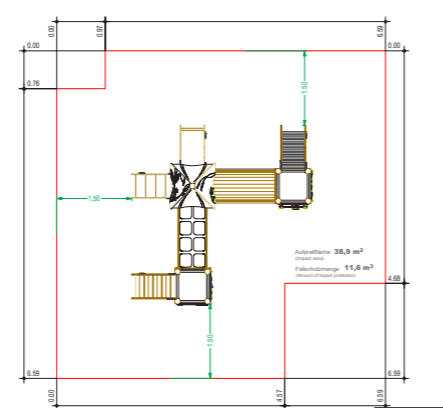
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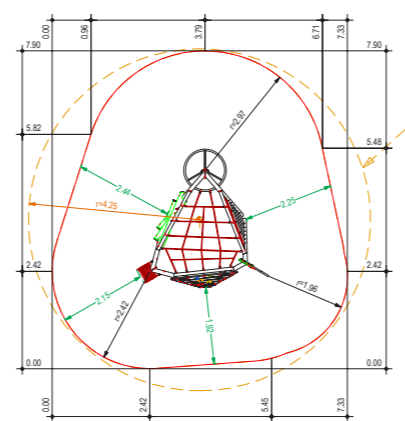
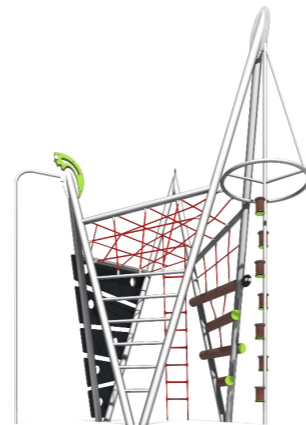
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GS4-304-100-KBR-0001 | ?



MJ3-001-000-000-0001 | ?







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