

Castlerea Outdoor Performance Space

Design Proposal

30.11.21

Roscommon County Council
Somers Park
PÁIRC Uí SHOMACHÁIN
Officially opened by
Ms. Heather Humphreys T.D.
Minister
for Business, Enterprise and Innovation
on 29th July 2018

BDP.

Castlerea Outdoor Performance Space

Existing site



Castlerea Outdoor Performance Space

Dimensions



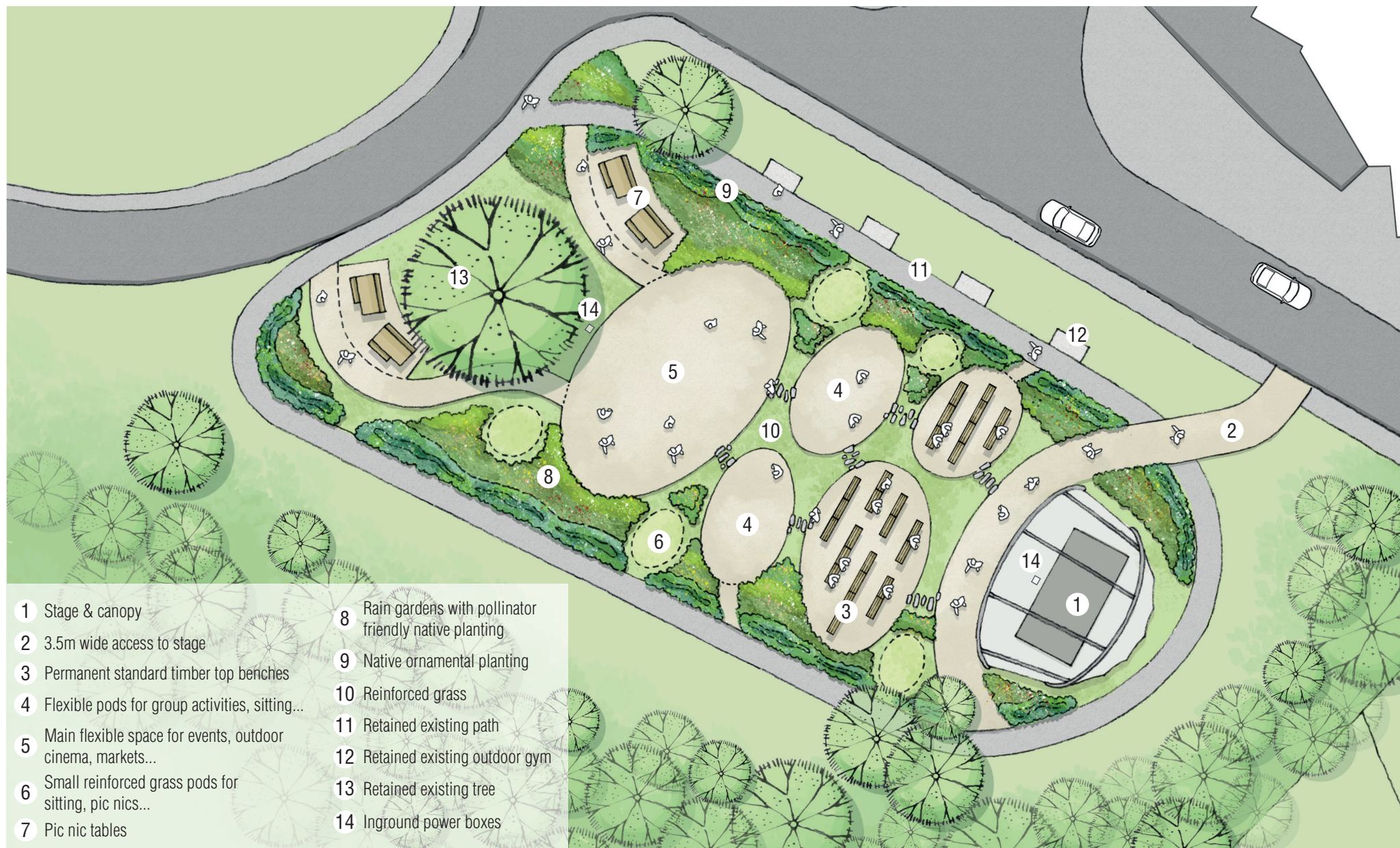
Castlerea Outdoor Performance Space

Proposed zoning



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Proposed Layout - Preferred Option



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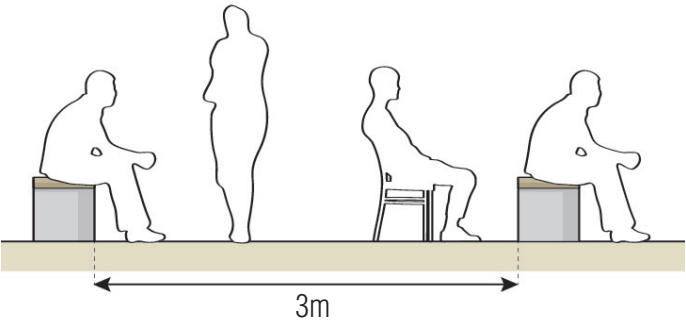
Capacity study



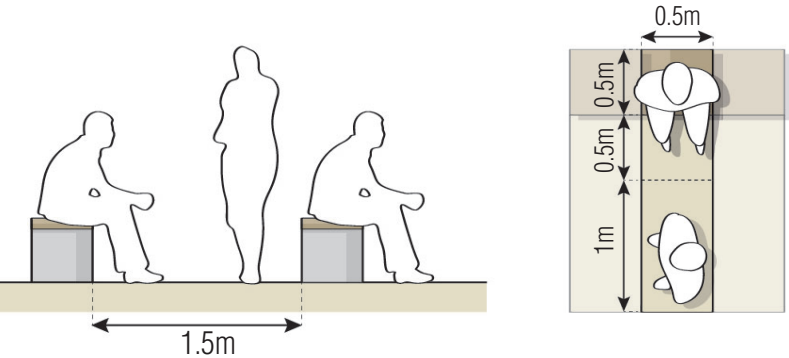
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Capacity study

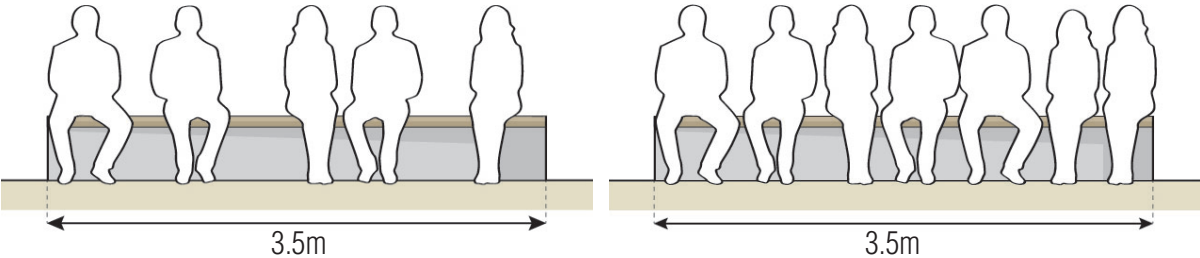
CAPACITY TARGET:
100 people sitting on permanent benches
400 people sitting on moveable chairs



Setting of the benches in previous design: 3m apart to allow circulation and to add chairs to sit more people for larger events, but also spreads out the permanent seating and reduces the flexibility of the space. Ratio 1 person / 1.75m²



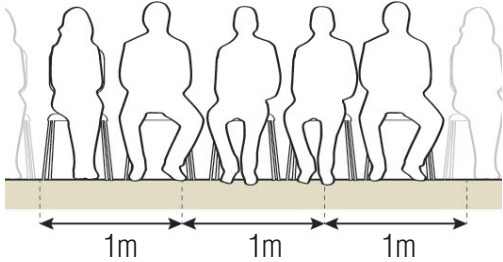
Recommended setting of the benches: spaced 1.5m to allows circulation and maximising sitting capacity
Ratio 1 person / 1m²



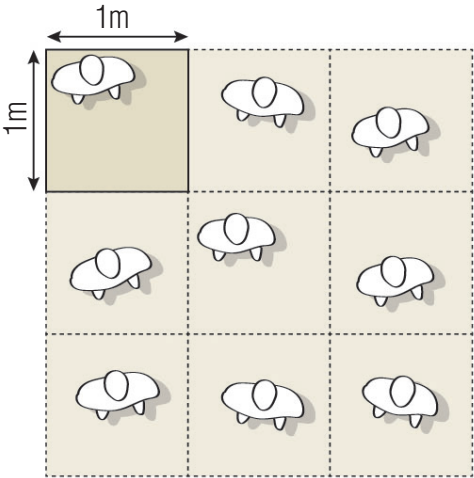
A bench sits 5 people comfortably with a ratio of 1.5 person / linear meter

A bench sits 7 people closer together with a ratio of 2 person / linear meter

Sitting capacity on benches: with 20 benches, between 100 and 140 people sitting depending on attendance



Extra sitting on chairs: Ratio of 0.6 linear meter per person. 400 chairs = 240 linear meters needed, would reduce significantly the flexibility of the space.



Capacity standing: Allow space for a recommended ratio of 1 person / m²

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Materials

Concrete surfacing with exposed aggregate and metal edging. Can include lines of stone setts to add interest, as well as a piece of art (1% art) such as a mosaic or bespoke 'carpet' inserted in the surfacing of the central space.



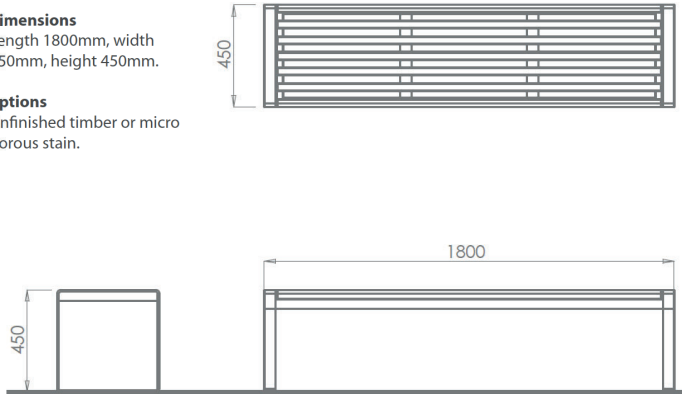
Standard bench: Galvanized steel frame with powder coating and iroko timber top
Supplier: Omos Model: S22 | Dimensions : 1800mmx450x450mm



description
Frame in galvanized mild steel with polyester powder coating. Seat surface in iroko hardwood.

dimensions
Length 1800mm, width 450mm, height 450mm.

options
Unfinished timber or micro porous stain.

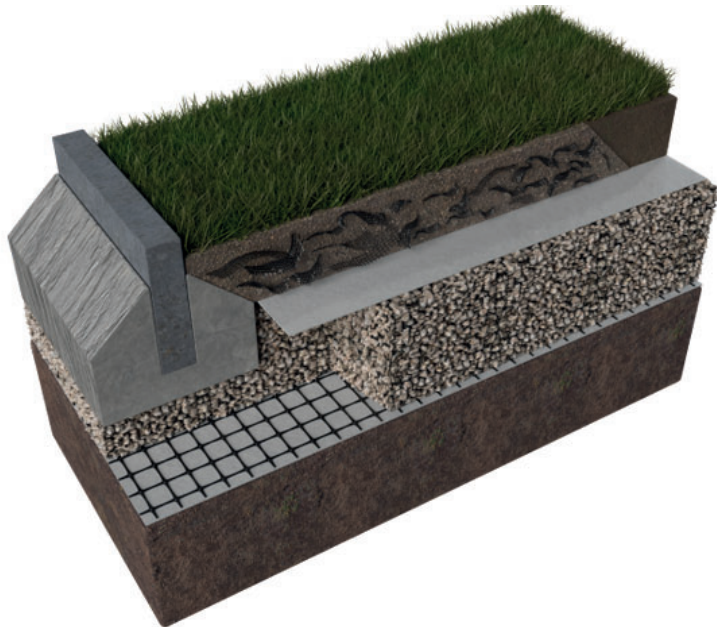


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Materials

Reinforced grass to ensure the area can be used throughout the year.

Example product: Netlon Advanced Turf System (Netlon ATS) is a high performance mesh-element reinforced natural grass rootzone system. It provides an aesthetic, SuDS compliant free-draining grassed surface, capable of sustaining heavy vehicle loadings in occasional-use applications.



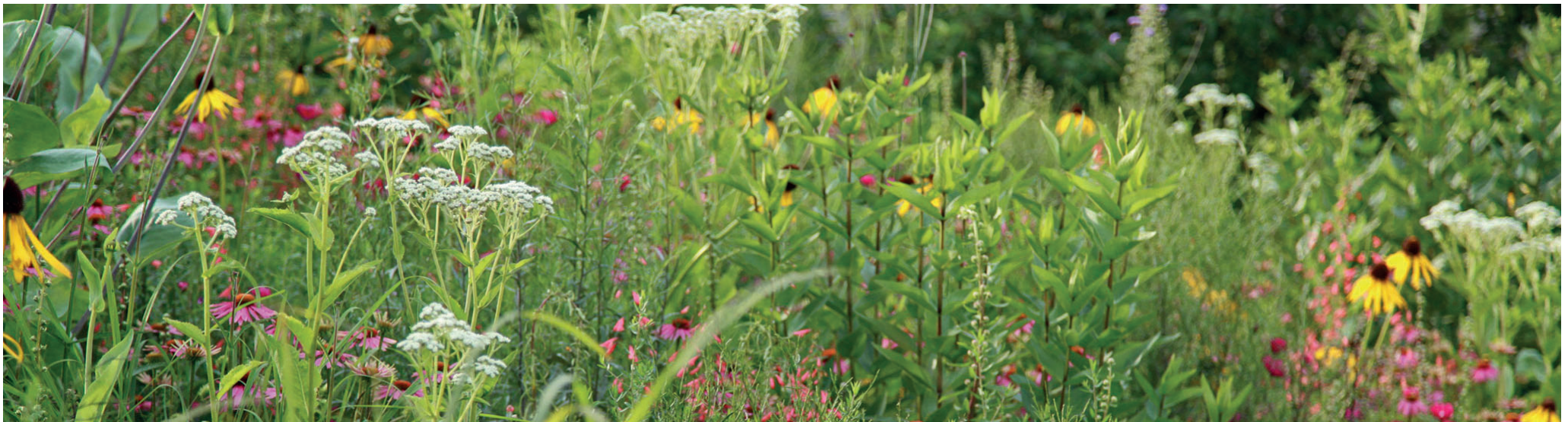
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Planting - Rain gardens

The design proposal includes large areas of planting that will add interest to the space, enhance its attractivity and make it visually appealing. The swales are depressed areas for the collection of stormwater that will include a variety of native and pollinator friendly plant species to increase the biodiversity of the space. They can also include areas of seasonal wildflower meadows.



Examples of rain gardens in parks or urban environments



Examples successful planting in rain garden

Castlereia Outdoor Performance Space

Planting - General palette

The general planting will include a range of robust, low maintenance and native low shrubs, perennials or grasses, that will frame the space and add interest through flowers, textures and colours.



Achillea millefolium



Gaura lindheimeri



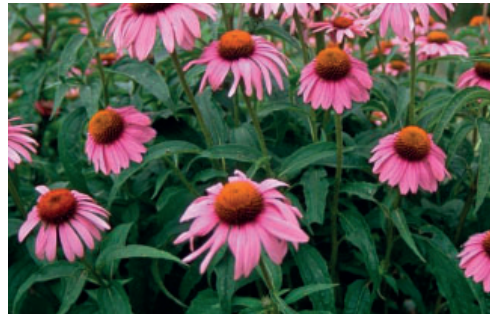
Echinacea paradoxa



Echinops ritro Veitch's blue



Perovskia 'Blue Spire'



Echinacea purpurea



Deschampsia flexuosa



Stipa tenuissima



Hebe albicans



Hypericum 'Hidcote'



Ulex europaeus



Viburnum opulus

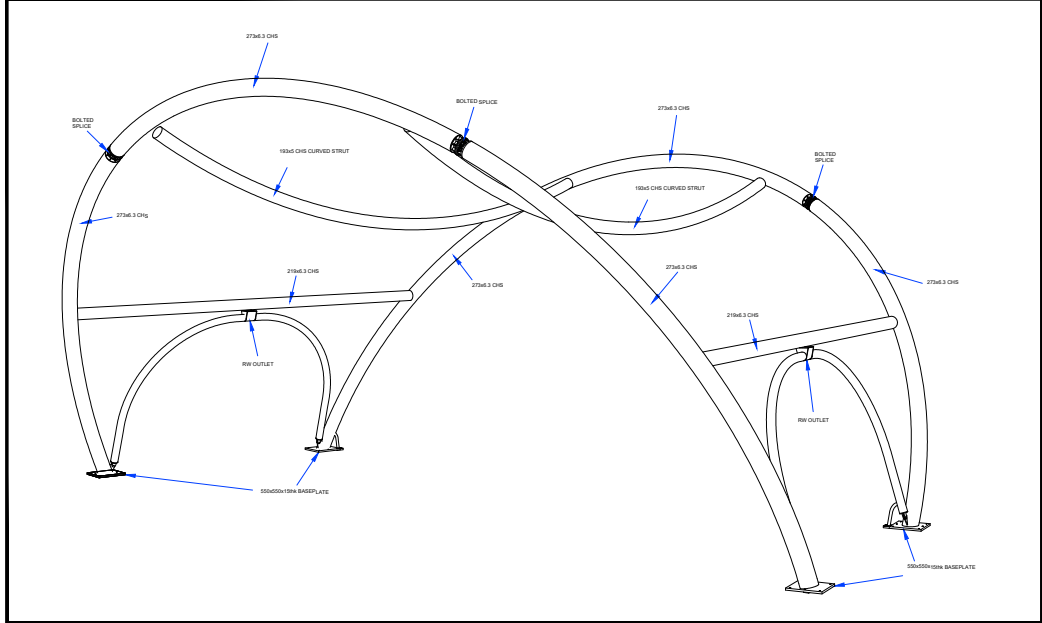
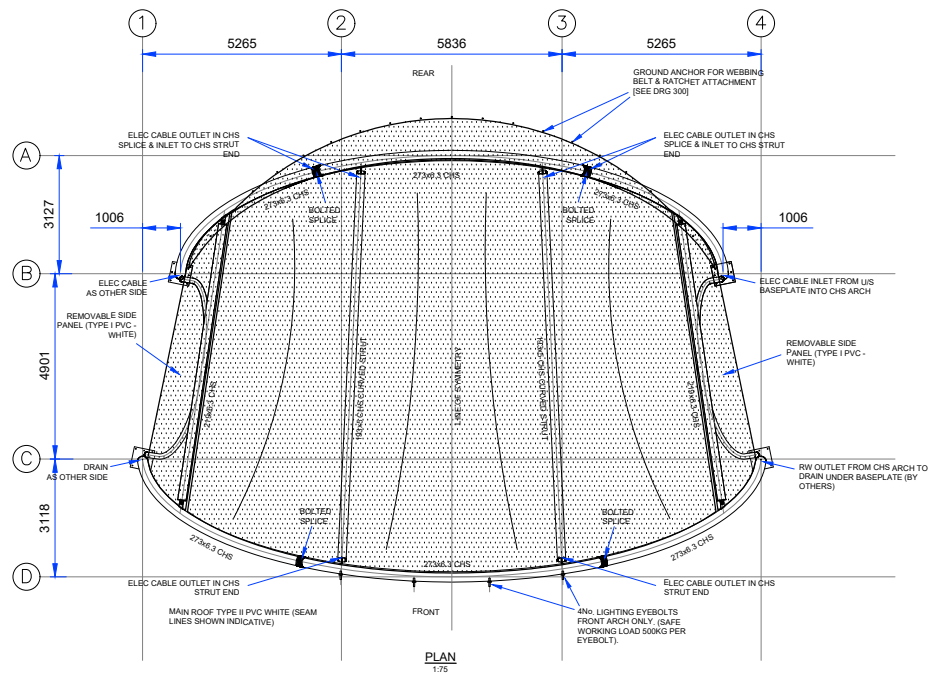
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Areas

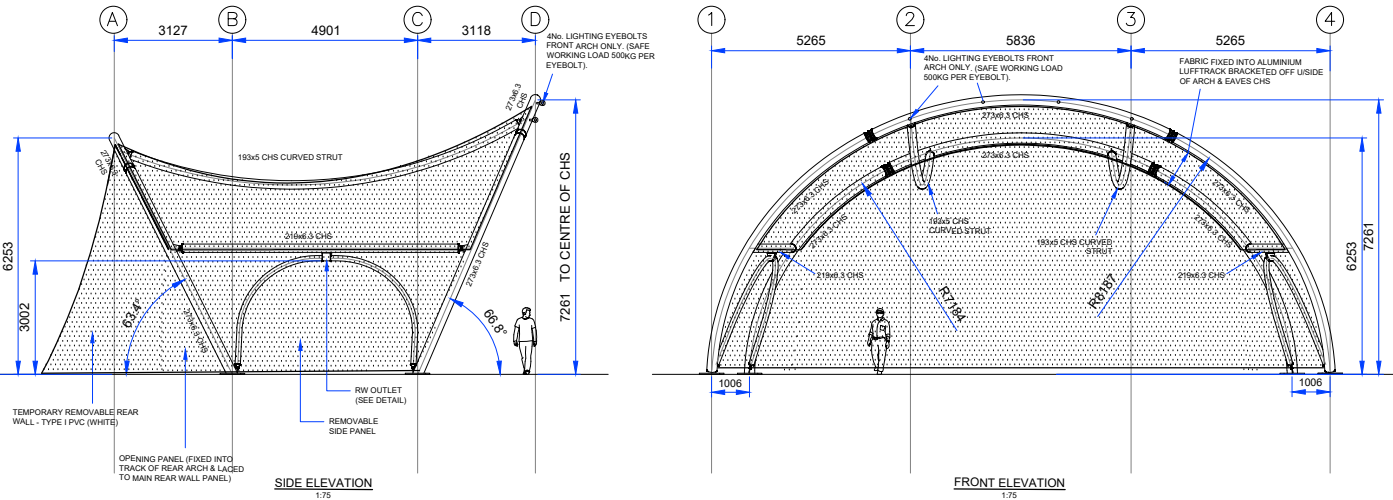
AREA M²

Exposed aggregate surfacing	915m²
Informal paths (stepping stones)	20m²
Reinforced grass	560m²
Planting	320m²
Swale planting	180m²
Standard benches	27 number
Pic nic tables	4 number





Canopy Structure for Main Stage - 3D View
Scale 1:100 @ A1



Canopy Structure for Main Stage
Scale 1:100 @ A1

- Canopy Specifications:**
- Fully engineered for year round use
 - Structural steelwork designed to BS 5950-1:2000 & BS EN 10025
 - BS 6399 part 2 and 3 for wind and snow loading
 - PVC coated polyester with weldable PVDF lacquer
 - All fabrics are fire rated to EN 13501-1 B-s2,d0
 - Grade 316 stainless steel
 - Grade S355 Mild Steel CHS
 - Two pack polyurethane paint system
 - Any standard RAL colour - Colour to be Confirmed



Typical Example of Similar Structure
Sides & Rear omitted from Image



Typical Example of Similar Structure
Sides & Rear omitted from Image



Typical Example of Similar Structure
Sides & Rear omitted from Image

Date	By	Revision

Project	Outdoor Performance & Public Space at Somers Park, Castlerea - Part VIII		
Title	Covered Stage Canopy Structure Details		
Scale	As Shown	Date	10.12.2021
Design	J. Quigley	Drawn	D. Loughnane
Checked	F. ni Chuinn	Drawn	D. Loughnane
Filename	Castlerea Outdoor Public Space - Part VIII.dwg		
Drawing No.:	002		