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BIM FOR LANDSCAPE AND CS ARTISANRV



CS ArtisanRV web-integrated landscape solution for Revit

A collaborative solution for landscape and external works professionals to fully engage in BIM workflows.

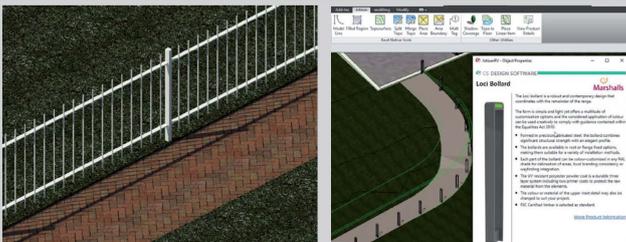


Parametric Plant Placement in Revit®

- ❏ Age by planting, by year.
- ❏ Place plants as specimens, hedges, beds and woodland as single species and mixes. Add foliage and flower colour dynamically and age and grow to ultimate dimensions. Select and load from palettes and project onto topography, floors or filled regions.
- ❏ Manage project specific plants, mixes and specifications in the Cloud-based Palette Builder. Control planting substitutions by selecting from new palettes by planting type or individual instances.
- ❏ Create full planting schedules automatically as the model changes in accordance with the standard National Plant Specification (NPS) information and including area, length and location.
- ❏ Create and measure shade percentage at defined times of the day, year and geo-location. Visualise planting over the life-cycle of individual plants, selections or the entire model.
- ❏ Combine parametric planting families and Cloud-based plant data, live and direct, to avoid duplication and opportunities for human error

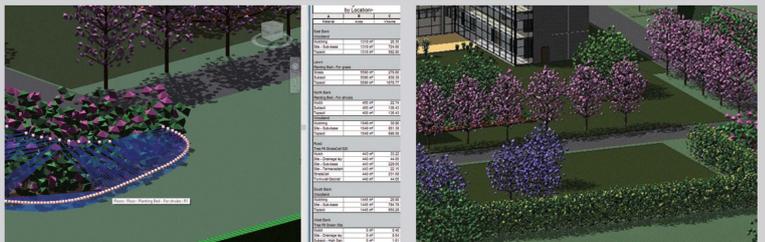
Landscape Hardworks in Revit®

- ❏ Create and visualise hardworks elements within your design: Resize, refine, reverse, manoeuvre all elements and automate the landscape fully.
- ❏ Add and automate fencing, railing, paving, decking, edging and other systems & elements within your landscape designs.
- ❏ Create dynamic schedules including materials build-ups generated and updated automatically as the model is created or modified.
- ❏ Access links to up-to-date product information available directly from the manufacturer using dynamic links to Cloud-based data without sacrificing speed or memory.



Above, Below & Beyond the Revit® Landscape

- ❏ CS ArtisanRV takes Revit® landscape above, below and beyond with the ability to convert topos to floors.
- ❏ Planting beds defined as floors are created by the Topo to Floor tool, enabling material take-offs for schedules
- ❏ Automatically size and place tree pits in the topography based on required root volumes related to ultimate spread with full material take offs for schedules.
- ❏ Place existing trees and import tree surveys (in accordance with BS5837) directly into Revit® landscape. Automate root protection areas (RPAs) and provide full schedules.



Benefits of Revit® for Landscape

- ❏ 3D model is required for accurate virtualisation.
- ❏ Collaboration – work in the same platform as other disciplines
- ❏ Coordination – ability to ‘see’ how things fit together.
- ❏ Quantities, schedules, material take-offs – it’s all about the information!
- ❏ Project management – phasing and worksets to aid collaboration.
- ❏ Visualisation – coordinated perspectives, walk-throughs, fly-throughs, sections and elevations.
- ❏ Clash detection & avoidance – identify and address before construction phase.
- ❏ Information exchange – structured project information through design & build phases and into operational (FM) systems.

What our customers say...

“Impressed with the amount of data and parameters associated to each plant and mix”

“Graphics for individual trees and shrubs are simple in 3D views and so the drawing speed remains fast but the symbols are well represented in plan view”

“Updating plant changes via the schedules is very easy and a massive time saver when blanket changes are needed”

Download CS ArtisanRV landscape add-in for Revit® and keep up-to-date with the latest advances in automating your landscape. Free trial at www.csdhub.com.

