



Planting into Joinery

A design and construction guide



GREEN DESIGN
INDOOR PLANT HIRE

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As the demand for harmonious work environments continues to grow, Green Design recognises and embraces the evolving landscape of interior design. In recent years, we have witnessed a remarkable shift to the integration of living elements within furniture joinery.

This brochure is crafted to enlighten designers and manufacturers about the intricacies involved in seamlessly incorporating plant life into joinery pieces. From optimising internal dimensions for plant accommodation to ensuring accessibility for maintenance, addressing moisture insulation concerns, incorporating adequate lighting, and guaranteeing waterproofing integrity, we guide you through the key considerations that will elevate your joinery designs to new heights.

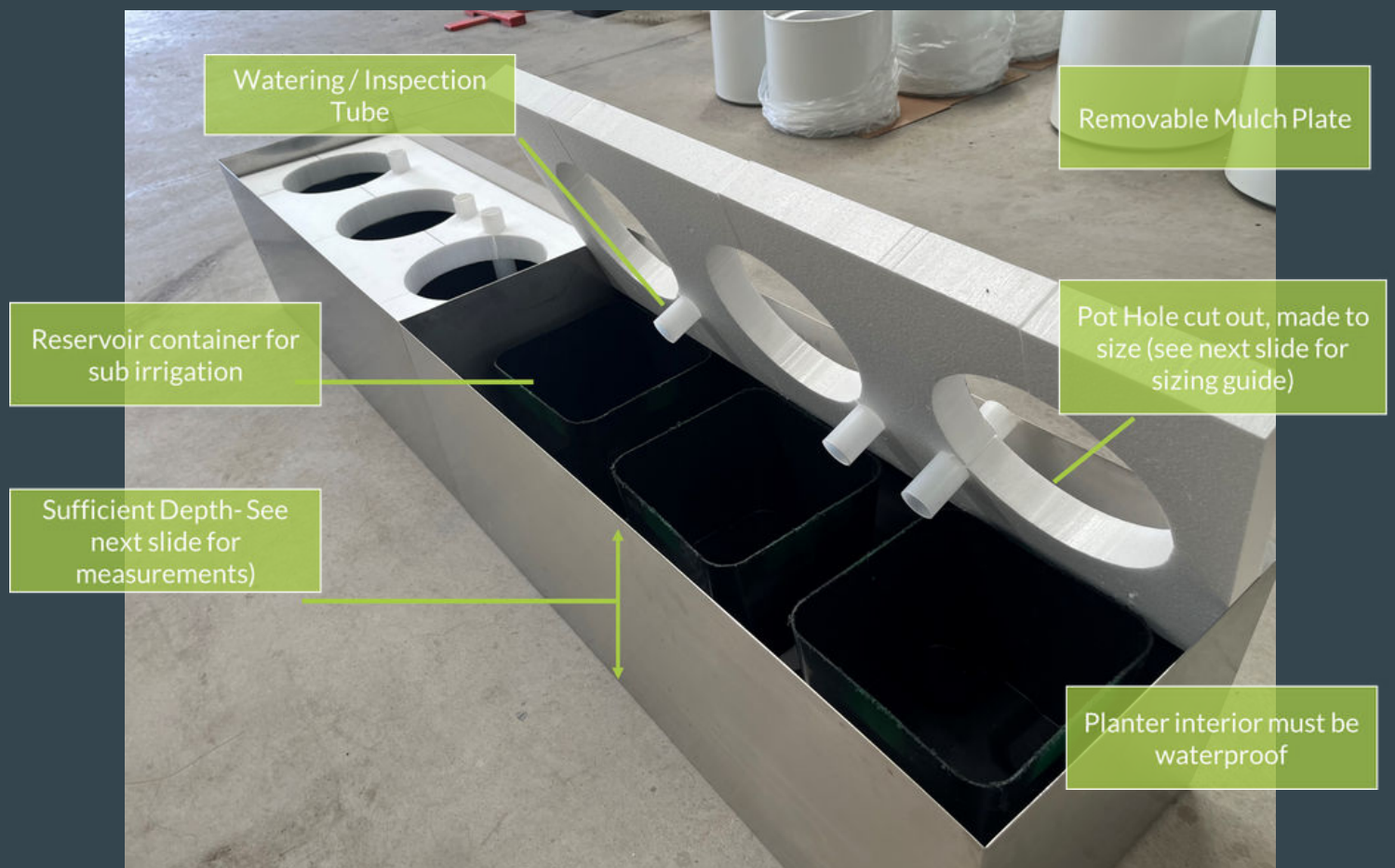
Join us on a journey where aesthetics meet functionality, and together, let's cultivate spaces that thrive.



Creating Plant-Friendly Joinery: Essential Features

Crafting joinery to house plants involves incorporating specific features to prevent moisture damage to the unit and surrounding areas. A thoughtful planter design should incorporate an internal reservoir container to catch any water spills, along with a mulch plate for pot support, negating the need to fill the unit with potentially moisture-absorbing mulch that could attract pests. This mulch plate should also include holes for the water inspection tubes, facilitating water inspection and reservoir replenishment with the sub-irrigation method.

This internal setup can be implemented by Green Design or the joiner. For optimal results, it's advisable that the joiner consults with us at Green Design, ensuring seamless integration of these features into the joinery design.



Joinery Planter Box Specifications for Seamless Plant Integration

The below table provides crucial guidelines for accommodating plants of various sizes, outlining the recommended mulch plate recess depth, cut-out hole dimensions for plant placement, and overall internal depth required to seamlessly integrate the plant and sub-irrigation system. With these specifications, joiners can confidently construct joinery planter boxes that perfectly balance functionality and aesthetics, ensuring optimal health and longevity for the plant.

200mm Pot	250mm Pot	300mm Pot	400mm Pot
Mulch Plate Recess Depth - 30mm	Mulch Plate Recess Depth - 30mm	Mulch Plate Recess Depth - 60mm	Mulch Plate Recess Depth - 60mm
Hole Cut-out - 196mm	Hole Cut-out - 245mm	Hole Cut-out - 290mm	Hole Cut-out - 385mm
Ideal Joinery Depth - 250mm	Ideal Joinery Depth- 300mm	Ideal Joinery Depth - 350mm	Ideal Joinery Depth- 600mm





Further Considerations in Joinery Planting Design

- Accessibility for plant servicing is paramount. Designing the joinery in a way that allows convenient access to all plants ensures that their care can be safely and efficiently managed without causing disruption.
- Ensure thorough isolation and insulation of electrical components from moisture within the joinery.
- Optimal plant health necessitates adequate lighting. This may involve incorporating appropriate lighting solutions such as LED lights or positioning the joinery in locations with sufficient natural light exposure.
- Constructing joinery and mulch plates to facilitate sub-irrigation is highly preferable. The sub-irrigation systems provides a controlled method of watering that minimises water waste and helps prevent overwatering or underwatering.





What a difference! From an empty vessel awaiting your creativity to a lush oasis teeming with vibrant foliage

Witness the impact of Green Design's expertise as we bring your green space visions to life, turning ordinary spaces into extraordinary showcases of nature's beauty.

For more information on joinery planting construction and design, contact our team today.





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