

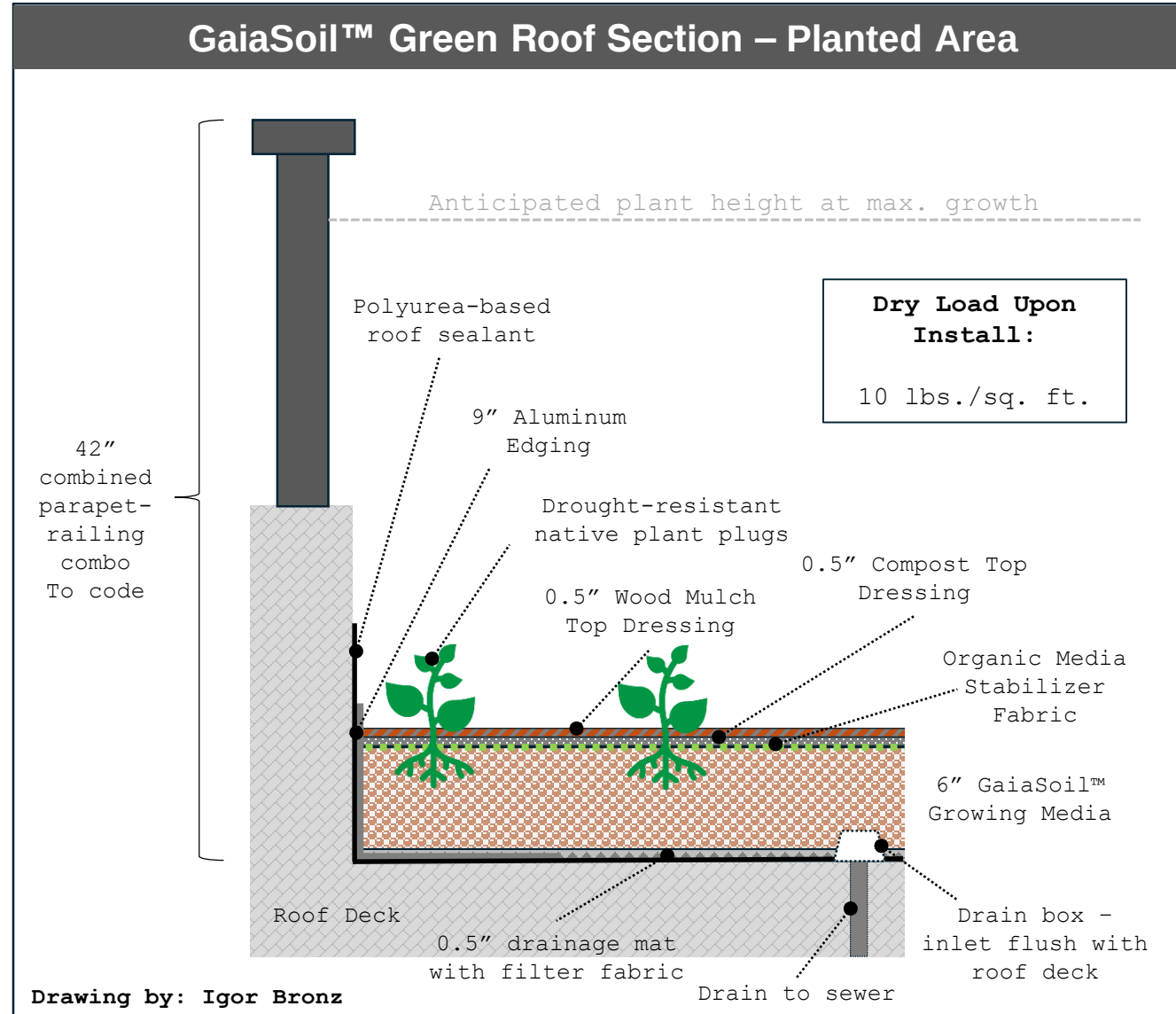
Sample cross section detail of a 6" GaiaSoil Ultra-lightweight Green Roof System abutting a 42" parapet and corner.

GaiaSoil supports all plant species, but drought-resistant native plants are recommended due to their powerful ecological benefits and ease of maintenance.

This cross section is similar for 8", 12" and greater soil depths with edging size and sealant height varying.

Foam board insulation is optional if greater R-Value is desired and may be placed under the drainage mat.

Organic media stabilizer fabric and organic top dressing needed for install due to wind conditions. Later, plant roots provide soil stability. Annual compost application and mulching is recommended for optimal performance.



GaiaSoil is buoyant in water. 6" of GaiaSoil can retain 2" of water within its pore structure (50% total void space - 33% water and 17% air). At full saturation, it has a density of 28-34 lbs./ft³, or roughly half that of water.

For containers and planters, 6" of GaiaSoil can float in 6" of water (2" stored in soil matrix, 4" reservoir at the bottom displaces 6" saturated soil column). Adjust calculations proportionally for higher soil thicknesses.

Technical Contact:

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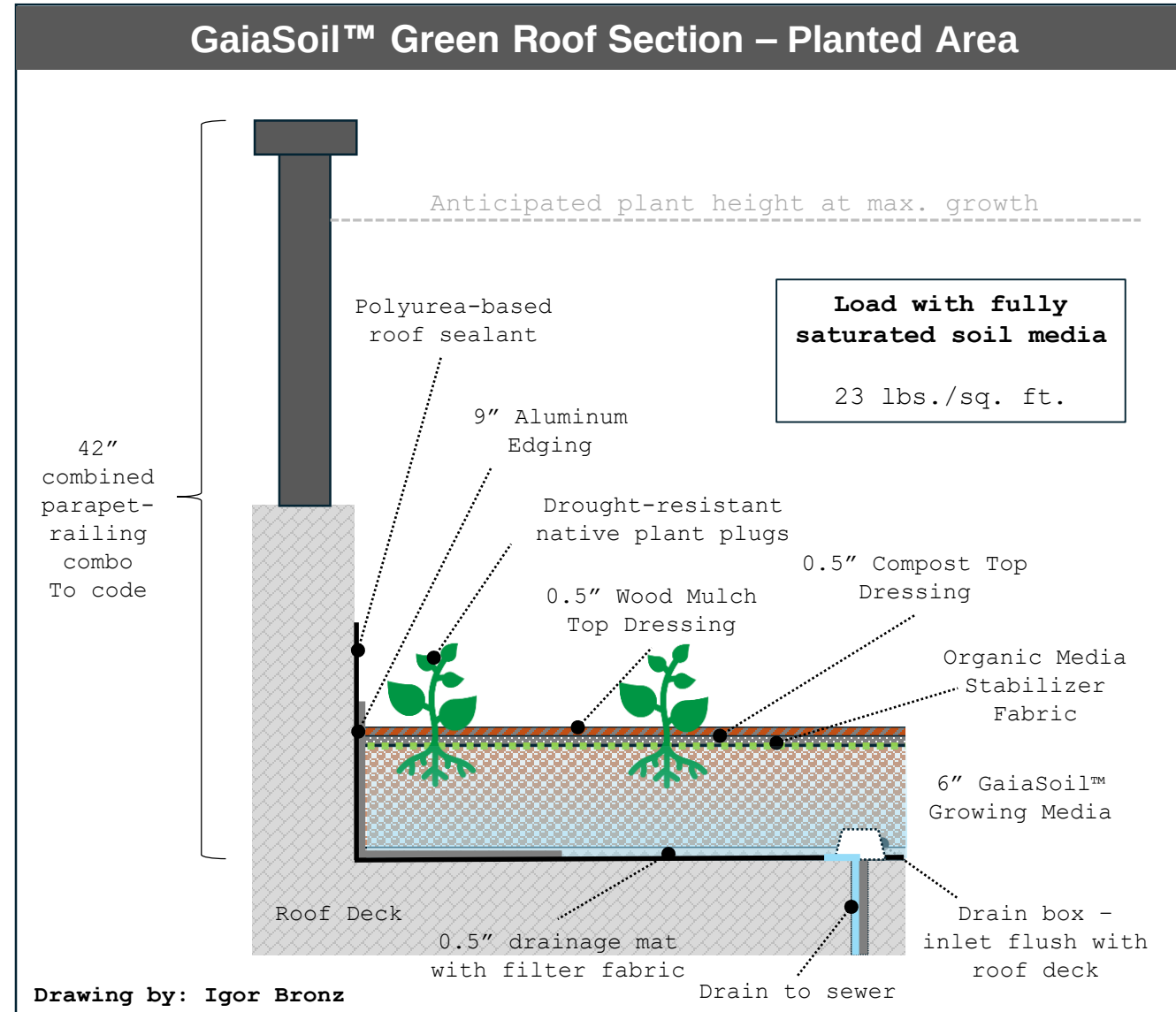
Sample cross section detail of a 6" GaiaSoil Ultra-lightweight Green Roof System abutting a 42" parapet and corner, with added hydraulic behavior illustration.

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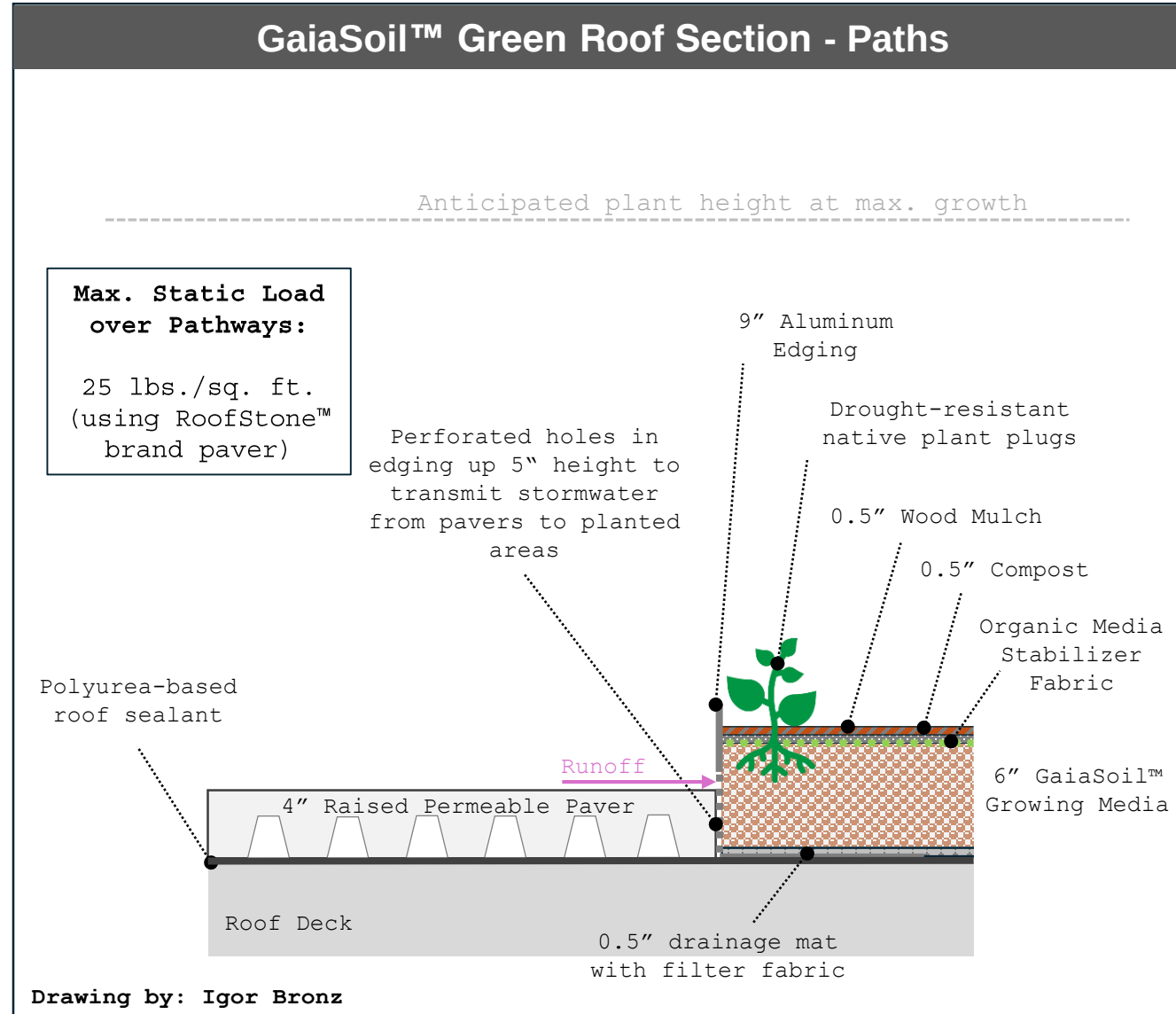
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Sample cross section detail of a 6" GaiaSoil Ultra-lightweight Green Roof System abutting a pathway.

Pathway here uses RoofStone™ brand pavers, though other permeable pavers good if holes in aluminum edging are at correct height to capture runoff from paths.

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