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Paisley Mill

Architecture - Studio 6 Project

Winter 2022

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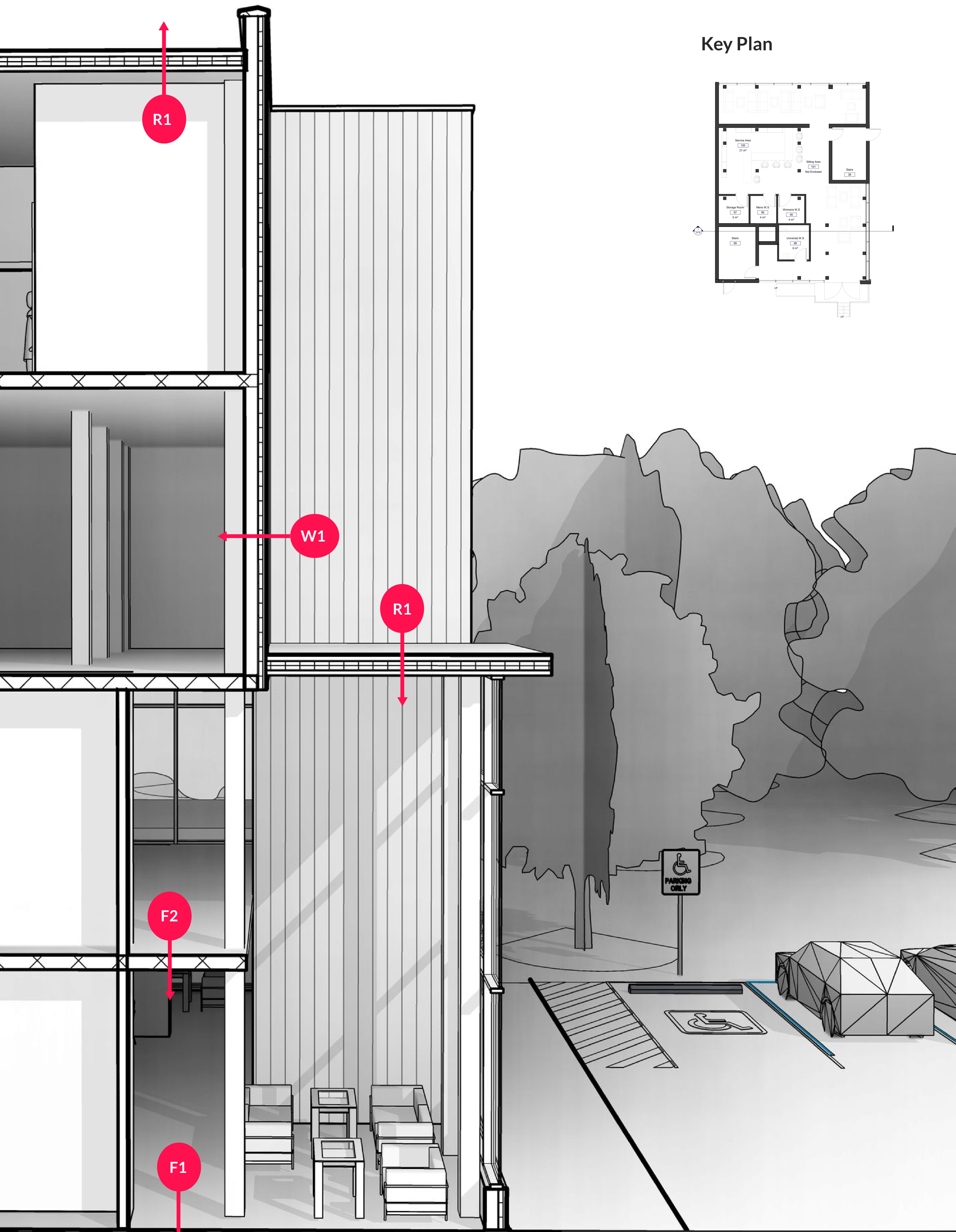
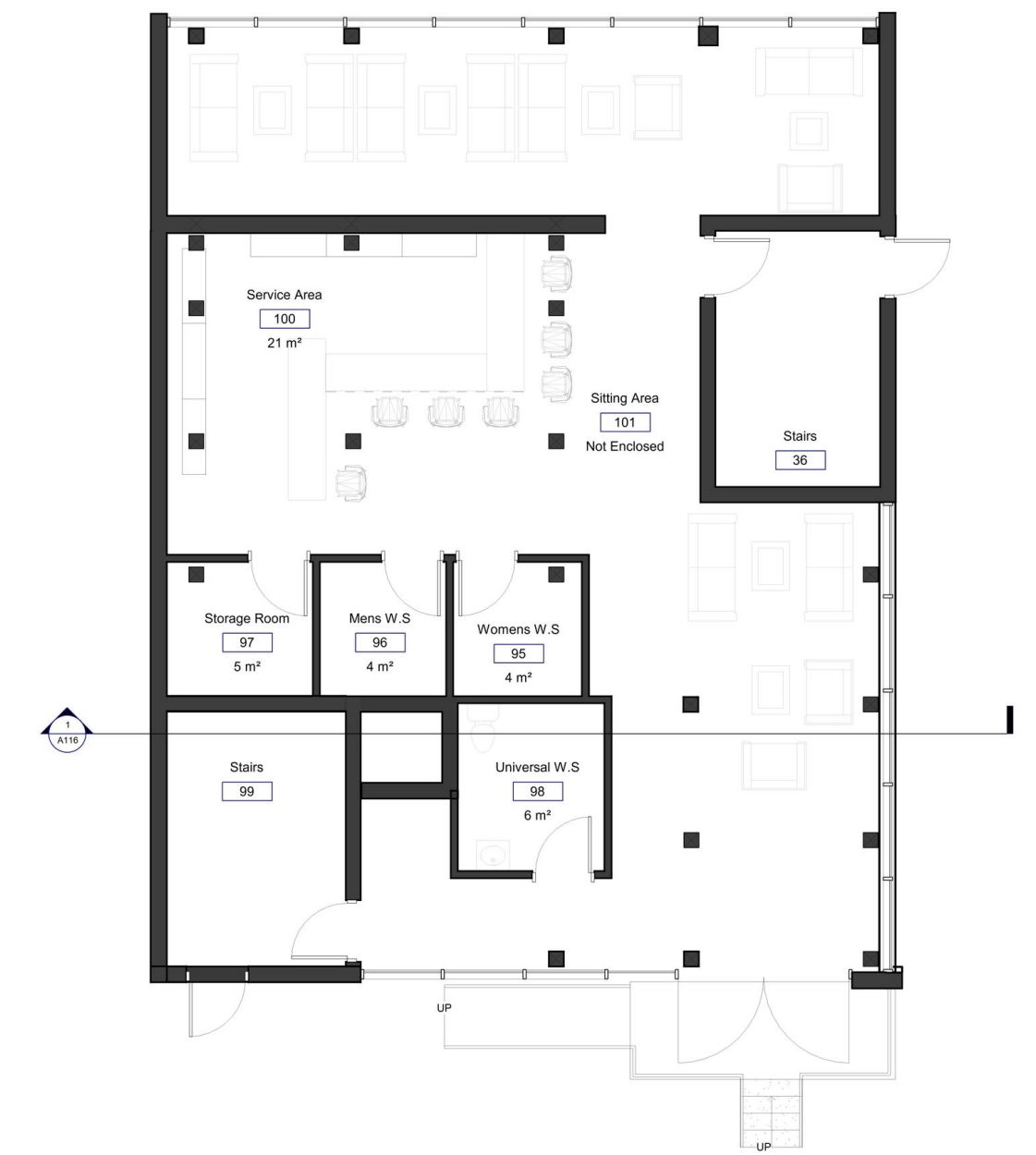
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Key Plan



Written Intention:

The main concept for this Paisle Cafe/Gallery is to have a sustainable design and efficiency. This wall section showcase the building wall and roof assemblies and the use of natural resources such as wood in exterior and interior, green roofs, and proper use of natural light through spaces. This highlights the exterior wall details and how it focuses in efficiency and sustainability. Resource efficiency is essential for sustained economic growth and wood is one of the best natural resources out there. This wall section also highlights the green roof that will help to provide shade, remove the heat from air, and reduce the roof temperature and surrounding air. The large curtain wall to achieve natural light through spaces and to reduce energy use in heating and cooling. The structural member of the building will have the same material as the existing building which is heavy timber and wood frame. The heavy timber and wood frame will be exposed to show the structure inside, and show the aesthetics of the building interior. This adaptive reuse focuses on the sustainable design and how the building is connected to the environment and nature that is surrounding the site.

ASSEMBLIES		
W1	R1	F1
13 mm GWB 6 mil vapour barrier 38 x 140 mm metal stud w/ batt ins. 13 mm sheathing 50 mm rigid ins. Air barrier Air gap w/ 1x 3 wood furring 19 mm vertical wood siding	Vegetation with plant soil fill over filter fabric membrane placed over drainage layer membrane over waterproof protection membrane over two layers of 50 mm each rigid ins. w/ seems offset over 6 mil vapour barrier over 17 mm roof structural roof sheathing over 38 mm Metal Deck	13 mm oakwood flooring 6 mil vapour barrier 150 mm poured concrete slab 50 mm rigid insulation w/ waterproofing Granular fill Undisturbed soil
F2	W2	
13 mm oakwood flooring 13 mm sheathing 150 mm slab 13 mm GWB	200 mm concrete wall Parging w/ dampproofing	