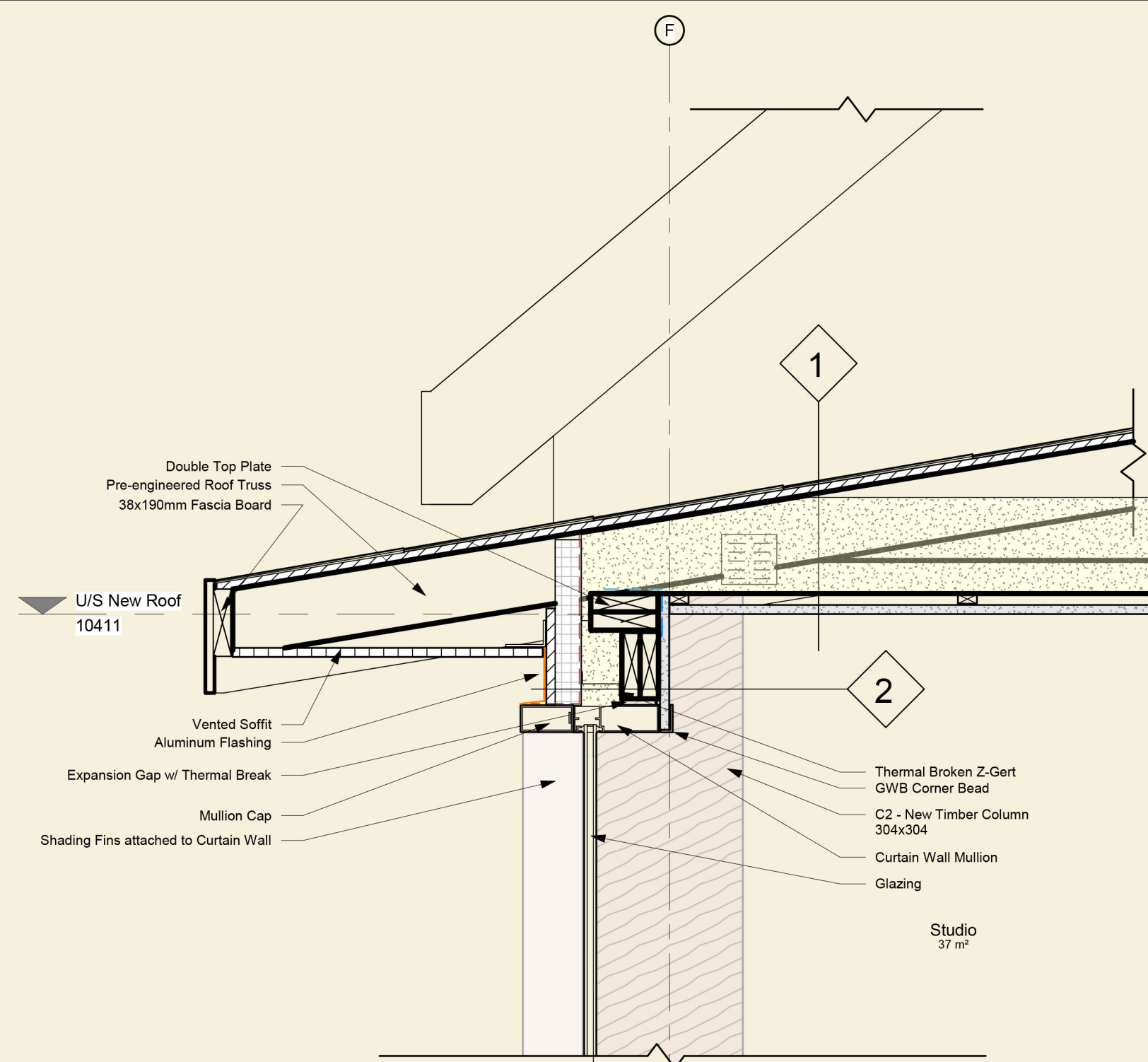


# The Paisley Factory

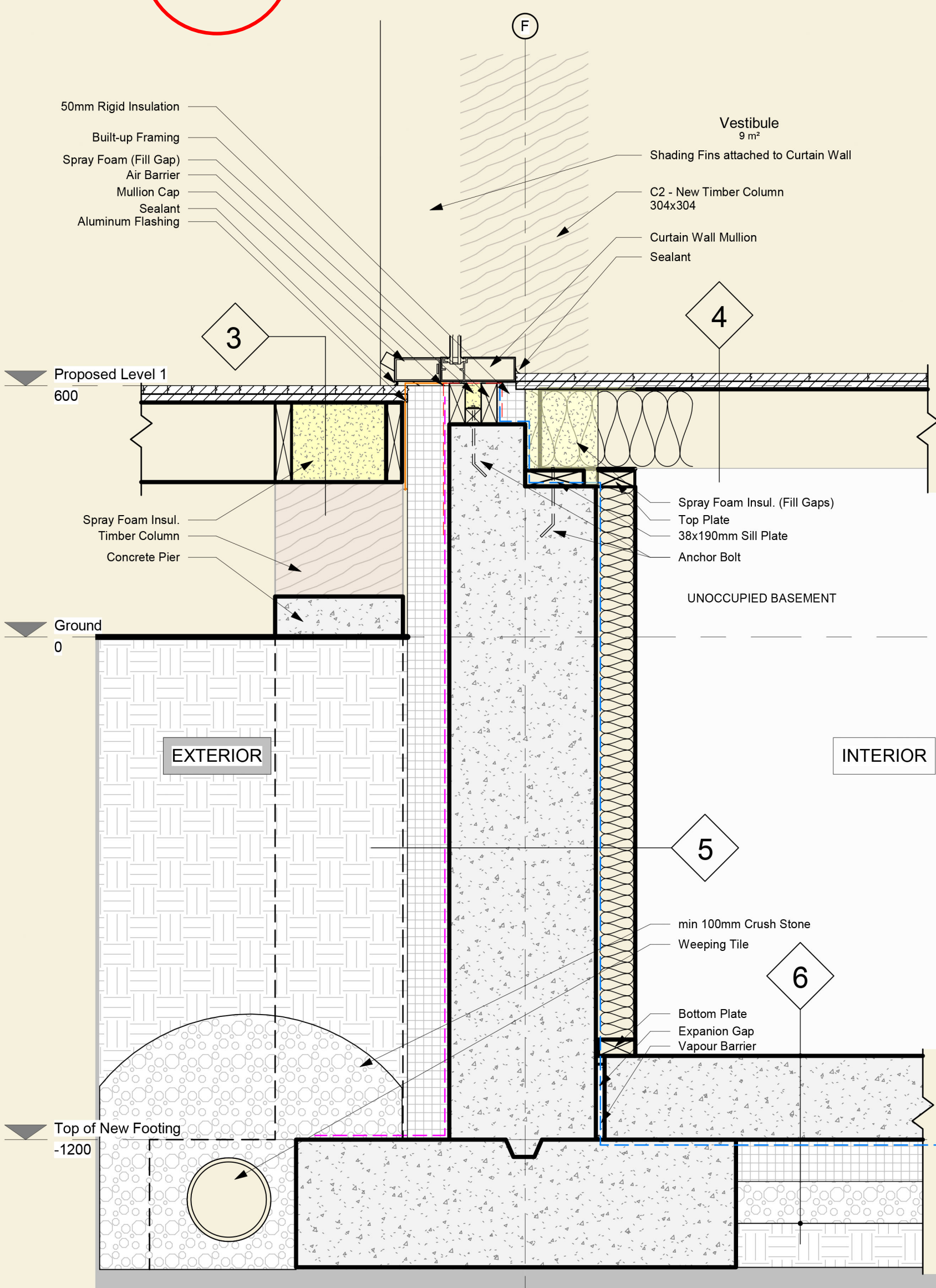
## 3D Detail

By: Tung Pham  
Architectural Studio 6

The Paisley Factory is an adaptive reuse which upgrades the exterior of the building to a more sustainable and energy efficient envelope. The upgrade also converts the structures into an aesthetic feature of the building. To maintain the original aesthetic, traditional wood framing will be used in the construction of the new floors and the addition. New columns will be salvaged timber columns which mimic the look of the existing columns. The update of the existing exterior envelope will include a repainted exterior cladding and the interior will be built up for additional space to provide additional insulation and air vapour barrier layer. The wall section shows the construction of the curtain wall system in the new addition. The curtain wall includes double glazing and located in the south-east direction of the building. This allows for natural lighting and heat to enter the building providing passive design benefits. Adjustable wood fins provide shading and some privacy into the space. Elements of the traditional wood framing can be found throughout the section. Beams and columns support the wood floor joists. The foundation of the new addition is a heated crawl space. One additional goal is to minimize thermal breaks in the building. Insulation sandwiches structural elements with closed cell spray foam sealing in gaps. A continuous air vapour barrier carries from the footing to the roof. The simplicity of the construction will allow cost to be minimized while the focus is to provide continuous insulation, minimal thermal breaks, and full coverage of air vapour barrier.



**2**  
**A13**  
Roof Detail



**3**  
**A13**  
Wall @ Exterior Foundation Detail

### Wall Partition

1	<b>NEW ROOF ASSEMBLY</b> 19mm Wood Shingles Pre-engineered Roof Truss 200mm Spray Foam Insulation 19mm Plywood Sheathing 19mm Wood Furring 13mm Gypsum Wall Board	4	<b>TYP. FINISHED FLOOR</b> 19mm Salvaged Wood Flooring 19mm Plywood Sheathing 39x190mm Wood Joist w/ Mineral Wool Insulation
2	<b>Curtain Wall Header</b> 19mm Plywood Sheathing 50mm Rigid Insulation 2-38x190mm Lintels 90mm Spray Foam Insul. (Fill Gaps) 13mm Gypsum Wall Board	5	<b>NEW FOUNDATION WALL</b> 100mm Rigid Insulation Waterproof Membrane 350mm Concrete Foundation Wall Vapour Barrier 2x4 Wood Stud w/ Mineral Wool Insulation @600mm o.c.
3	<b>NEW DECK</b> 19mm Salvaged Wood 19mm Plywood Sheathing 2x8 Wood Joist @ 600mm o.c.	6	<b>SLAB ON GRADE</b> 200mm Concrete Slab Vapour Barrier 100mm Rigid Insulation 100mm Gravel Aggregate

### 3D Legend

- |                           |                                     |
|---------------------------|-------------------------------------|
| 1. Pre-engineered Truss   | 9. Spandrel Panel                   |
| 2. 38x190mm Wood Fascia   | 10. Firestop and Smoke Seal         |
| 3. Curtain Wall Glazing   | 11. Curtain Wall Anchor             |
| 4. Mullion Cap            | 12. Roof Canopy (Supported at Ends) |
| 5. Shading Fins           | 13. 100mm Weeping Tail              |
| 6. Closed-Cell Spray Foam | 14. min 100mm Crush Stone           |
| 7. C2 - New Timber Column | 15. Timber Columns                  |
| 8. 2-89x235 Wood Beam     | 16. Concrete Piers                  |
|                           | 17. Flashing                        |

### Key Plan

