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Paisley Mill

Architecture - Studio 6 Project

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Sheridan College

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PAISLEY MILL

Adaptive Reuse

Sheridan College - Instructor: Jordan Martin
Studio 6 - TK Nguyen

CONCEPT

In the adaptive reuse of the Paisley Mill, the intent of the design was to reflect the original use and construction of the mill. Additions and modifications were minimized and structural elements were exposed.

The exterior elements in the renovation replaces a portion of the original painted wood siding with glazing which provides a connection for the interior spaces to the environment, allowing the green wall to reflect the surrounding woodlands. The new construction mainly involves the addition of this curtain wall assembly in select bays. The glazing continues from the roof to the ground floor allowing light and views between the interior and exterior. As the original cladding is retained on the exterior, the exposed structural members increase the presence of the building's original construction on the interior, reflecting the long history of the building. This section shows the details of these floors and connections.

ASSEMBLIES

F1 - SLAB ON GRADE
16mm WOOD FINISH FLOORING
UNDERLAYMENT
16mm STRUCTURAL SHEATHING
25mm RIGID INSULATION
100mm CONCRETE SLAB W/ WMM
DAMP-PROOFING
150mm GRANULAR ON
ENGINEERED FILL

F2 - 2ND & 3RD FLOORS
16mm WOOD FINISH FLOORING
UNDERLAYMENT
16mm STRUCTURAL SHEATHING
38x254 WOOD JOISTS, 406mm o.c.
W/ ABSORPTIVE MATERIAL
254mm WOOD BEAMS WITH PLENUM
RESILIENT CHANNELS, 601mm o.c.
2-LAYERS 16mm TYPE-X GYPSUM
13mm WOOD FINISH CEILING

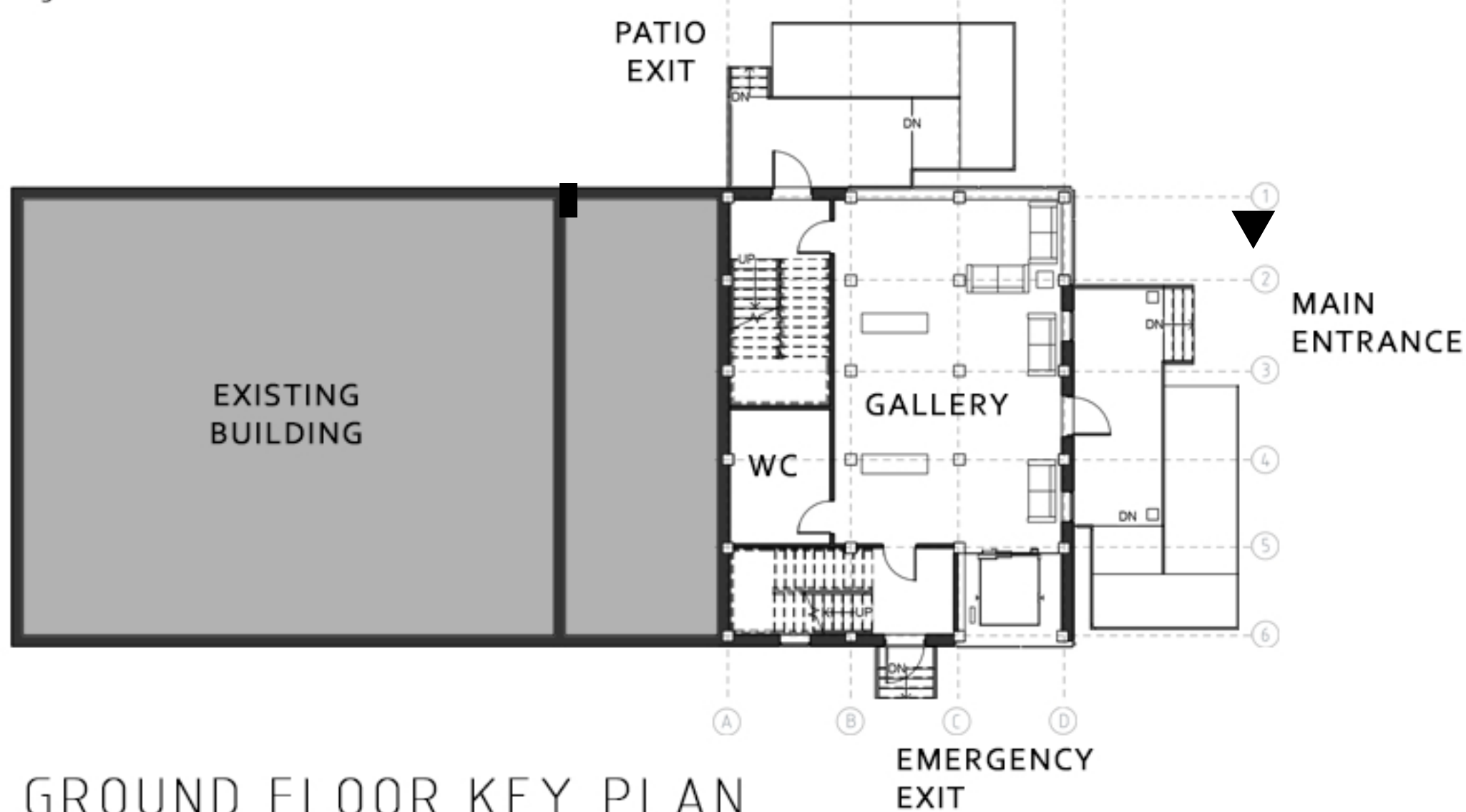
R1 - ROOF AND VAULTED CEILING
ROOFING SHINGLE, RESTORED
UNDERLAYMENT
AIR/WATER BARRIER
16mm STRUCTURAL SHEATHING
VENTILATION BAFFLE
38x305mm WOOD RAFTERS, 406mm o.c.
W/ SPRAY FOAM INSULATION
CONTINUOUS VAPOUR BARRIER
13mm FINISH CEILING

W1 - CONCRETE FOUNDATION
100mm GRANULAR FILL
PROTECTION BOARD
19mm MINERAL FIBRE
2-LAYERS DAMP-PROOFING
400mm REINFORCED CONCRETE
50mm RIGID INSULATION

W2 - SIDING EXTERIOR
16mm EXTERIOR WOOD SIDING,
RESTORED AND RE-FINISHED
25mm FURRING CHANNEL
AIR/WATER BARRIER
50mm RIGID INSULATION
16mm OSB SHEATHING
305mm WOOD COLUMNS WITH
38X140mm WOOD STUDS, 406mm o.c.
W/ GLASS FIBRE INSULATION

VAPOUR BARRIER
16mm TYPE-X GYPSUM BOARD
INTERIOR WALL FINISH

W3 - FIRE-RATED INTERIOR
INTERIOR WALL FINISH
2-LAYERS 13mm TYPE-X GYPSUM
41X92mm STEEL STUDS, 406mm o.c.
89mm ABSORPTIVE MATERIAL
RESILIENT CHANNELS, 601mm o.c.
2-LAYERS 13mm TYPE-X GYPSUM



R1

W3

W2

F2

F1

W1