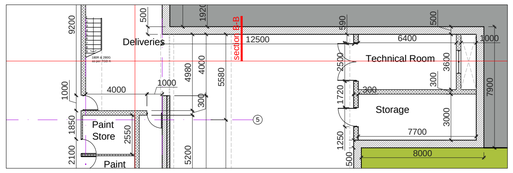
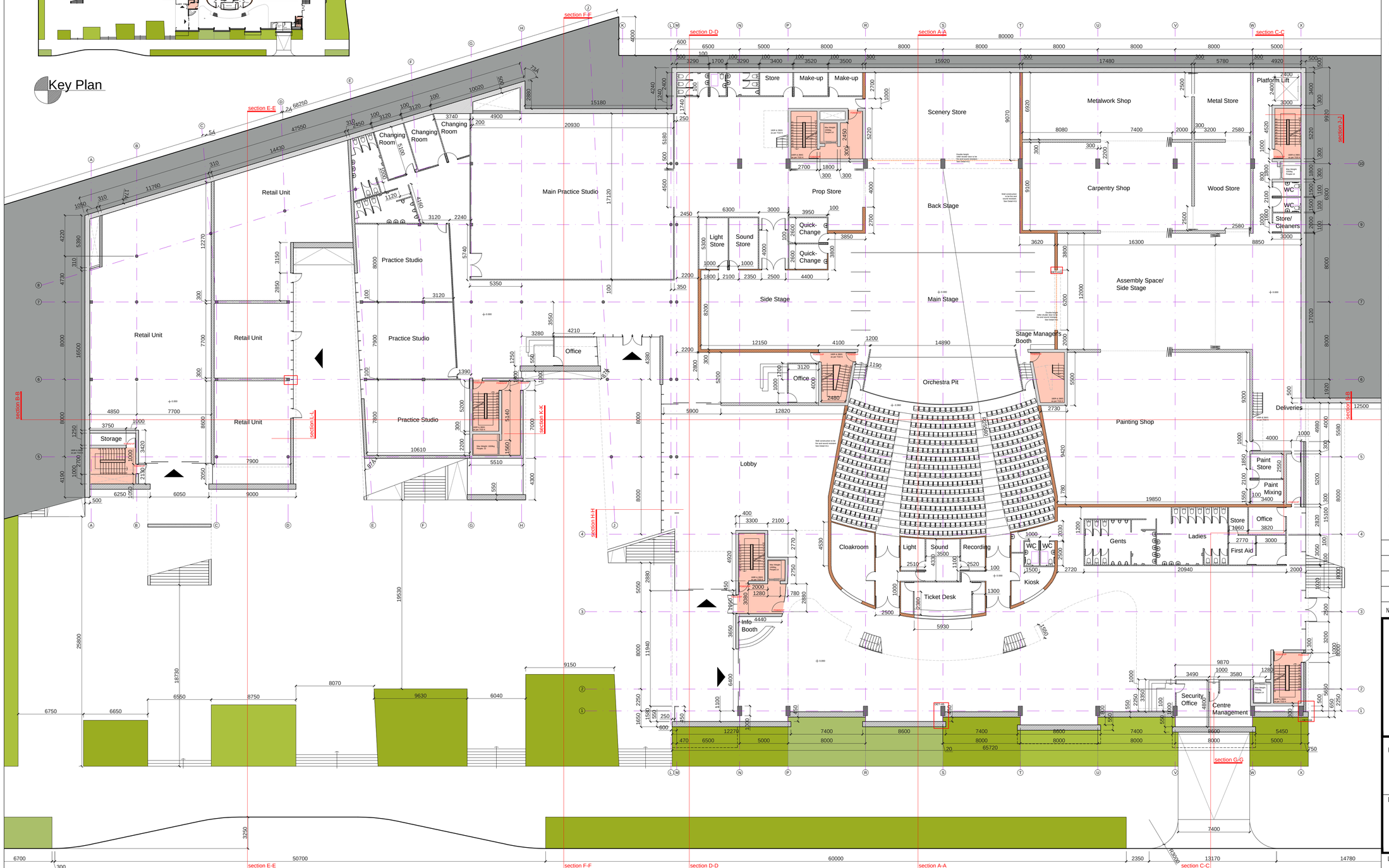
Key Plan

Ground Floor Plan - B

Scale 1:200





Proposed Ground Floor Plan

Scale 1:200

N

NOTES -

1. USE FIGURED DIMENSIONS ONLY - DO NOT SCALE
2. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE SPECIFICATION

MAIN STRUCTURE TO BE OF COMPOSITE CONSTRUCTION, UTILISING ENVIRONMENTALLY FRIENDLY CONCRETE AND STEEL, ALL CLAD IN CERAMIC TILES.

ENVIRONMENTALLY FRIENDLY CONCRETE TO CONSIST OF ECOCEM, OR SIMILAR AND APPROVED. THIS MEANS THE ORDINARY PORTLAND CEMENT (OPC) TO BE REPLACED WITH 50% GROUND GRANULATED BLASTFURNACE SLAG (GGBS) CEMENT UNLESS OTHERWISE STATED

-2 LEVEL FLOOR:-
TO CONSIST OF AN EPOXY COATING ON 500mm REINFORCED CONCRETE SLAB, ON BENTONITE GEOTEXTILE WATERPROOFING MEMBRANE (OR SIMILAR AND APPROVED), ON 100mm SOIL LAYER ON A DRAINAGE LAYER OF GRAVEL

GROUND FLOOR:-
TO BE 15mm PARQUET FLOORING BOARDS, ON 65mm SELF-LEVELLING GYPSUM SCREED (FROM KNAUF), ON SEPARATING LAYER, ON 40mm EXPANDED POLYSTYRENE IMPACT-SOUND INSULATION EPS, ON 20mm ELASTIC EXPANDED POLYSTYRENE EPS-T, ON 300mm REINFORCED CONCRETE SLAB, ON 120mm ROCKWOOL INSULATION

FLOOR CONSTRUCTION W/SUSPENDED CEILING:-
TO BE 15mm PARQUET FLOORING BOARDS, ON 65mm SELF-LEVELLING GYPSUM SCREED (FROM KNAUF), ON SEPARATING LAYER, ON 40mm EXPANDED POLYSTYRENE IMPACT-SOUND INSULATION EPS, ON 20mm ELASTIC EXPANDED POLYSTYRENE EPS-T, ON 300mm REINFORCED CONCRETE SLAB, ON SUSPENDED CEILING CONSTRUCTION ON 25mm WOOD WOOL ACOUSTIC PANELS

BELOW-GROUND RETAINING WALLS:-
TO BE 300mm CAST IN-SITU REINFORCED CONCRETE, SELF-FINISHING ON EXPOSED FACES, WITH BENTONITE GEOTEXTILE WATERPROOFING MEMBRANE (OR SIMILAR AND APPROVED), 100mm SOIL LAYER AND A DRAINAGE LAYER OF GRAVEL.

BELOW-GROUND WALLS W/INSULATION:-
TO BE 300mm CAST IN-SITU REINFORCED CONCRETE WALLS, SELF-FINISHING ON EXPOSED FACES, WITH BENTONITE GEOTEXTILE WATERPROOFING MEMBRANE (OR SIMILAR AND APPROVED), 80mm SLOPING POLYSTYRENE RIGID THERMAL INSULATION (OR SIMILAR AND APPROVED), 100mm SOIL LAYER AND A DRAINAGE LAYER OF GRAVEL.

U-PROFILE GLASS W/CONCRETE:-
TO BE 300mm CAST IN-SITU REINFORCED CONCRETE WALLS, SELF-FINISHING, 120mm ROCKWOOL THERMAL INSULATION, 40mm VENTILATED CAVITY, 83mm U-PROFILE GLASS IN ALUMINIUM FRAME (OR SIMILAR AND APPROVED)

U-PROFILE GLASS W/STEEL:-
TO BE 2x25mm PLASTERBOARD SHEETS (OR SIMILAR AND APPREVED), 20mm OSB BOARD ON STEEL FRAME CONSTRUCTION, VAPOUR BARRIER, 20mm OSB BOARD, 120mm ROCKWOOL INSULATION, 40mm VENTILATED CAVITY AND 83mm U-PROFILE GLASS IN ALUMINIUM FRAME (OR SIMILAR AND APPROVED)

ROOF CONSTRUCTION:-
TO BE 11mm CERAMIC TILES ON ALUMINIUM CONSTRUCTION, ON TWO-LAYER TPO ROOF SEAL, ON 200mm SLOPING PLOYSTYRENE RIGID-FOAM THERMAL INSULATION (OR SIMILAR AND APPROVED), ON VAPOUR BARRIER, ON 137mm CORRUGATED STEEL SHEETING, ON STEEL STRUCTURE WITH WOOD WOOL INTERNAL FINISHING PANELS

DOWNWARD-SLOPING WALLS:-
TO BE 11mm CERAMIC TILES ON ALUMINIUM CONSTRUCTION, VENTILATED CAVITY AND SEALING LAYER, 20mm OSB BOARD, 120mm MINERAL WOOL THERMAL INSULATION, VAPOUR BARRIER AND AIR CAVITY, 20mm OSB BOARD ON STEEL FRAME WITH SUITABLE INTERNAL FINISH

UPWARD-SLOPING WALLS:-
TO BE 11mm CERAMIC TILES ON ALUMINIUM CONSTRUCTION, AIR CAVITY, VAPOUR-PERMEABLE AND WATER-RESISTANT MEMBRANE, 20mm OSB BOARD ON STEEL FRAME, 20mm OSB BOARD, 25mm CEMENT-FIBRE BOARD

No.	DATE	REMARKS

Institute of Technology, Carlow
Architectural Technology Year 4
2009-2010

PROJECT TITLE

Project Three - Thesis

DRAWING TITLE

Theatre - Proposed Ground Floor Plan

LECTURER: Allan Read, Dan O'Sullivan

DRAWN:	CHECKED
Eric Stilwell	
SCALE: 1:200	DATE: 21.02.2010

DRAWING NUMBER	REV
Y4-03-THESIS-003	3