CAD FOR CONSTRUCTION

INTRODUCTIONS

Course outline
Expectations on attendance
Learner goals and expectations / Professional Development Plan
Learning style survey
How to submit home work
Software check - EstimatorXpress / PlansXpress

GETTING STARTED WITH DIGITAL DESIGN USING PLANSXPRESS

Introduction to PlansXpress and typical use cases - what is PlansXpress?
Creating a new drawing and choosing your template
Orientation to PlansXpress (tabs and docked windows)
Basic drawing techniques (different shapes / moving items / copying & pasting / undo & redo)
Importing PDFs to take-off into PlansXpress
Drawing Construction Lines

DRAWING THE GROUND FLOOR EXTERNAL ENVELOPE

Drawing External Walls - ground floor
Drawing Internal Walls - ground floor
Placing Doors - ground floor
Placing Windows - ground floor
Inserting Stairs (and different configurations)
Adding the ground Floor Slab

DRAWING THE FIRST FLOOR

Understanding levels
Drawing External Walls by copying ground floor - to first floor
Modifying first floor External Walls (different first floor to ground floor)
Adding the Suspended Floor - to first floor
Drawing the Internal Walls - to first floor
Placing Doors - to first floor
Placing Windows - to first floor

DRAWING THE ROOF

Drawing and editing of the Lean-to Roof
Drawing and editing of the Main Roof
Exploration of alternative roof types

ADDING DETAIL TO YOUR PLANS

PRODUCING 3D MODELS

PROJECT CASE STUDY - APPLYING SKILLS TO AN EXTENSION

PROJECT CASE STUDY - APPLYING SKILLS TO A LOFT

PROJECT COSTING & MATERIALS TAKE-OFFS

PORTFOLIO DEVELOPMENT OF 4 PROJECTS - NEW BUILD / EXTENSION / LOFT / OWN HOME

PRESENTATION SKILLS

FINAL SUBMISSION OF PROJECTS

HBXL SKILLS ACADEMY