

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 / Health & Safety Xpert

INTRODUCTION TO BUILT ENVIRONMENT

What makes a building work Understanding the client's brief Understanding the site Introduction to building regulations

BENEFITS OF DIGITISATION 'BIM AWARENESS'

Introduction to reading building plans Introduction to BIM (Building Information Modelling) Connected projects and productivity improvements

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

READING BUILDING PLANS

Building plan types

How to read building plans (examining types/styles of drawings for varying residential project types) Communicating intent to contractors/manufacturers through plans

Planning permission process

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

HEALTH & SAFETY IN CONSTRUCTION - IDENTIFYING RISK WHEN DESIGNING

Introduction to H&S in Construction
Understanding Construction (Design Management) regulations 2015
Understanding Duty Holders Responsibilities, notification, 3 key documents projects
Understanding the principle of Design Risk Management & RAG

FINAL SUBMISSION OF PROJECTS

To register your interest in future courses, or to apply to this Skills Bootcamp please call **0117 916 7870** or email **application-enquiries@hbxl.co.uk**, providing your name and phone number.



