

#### 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 understanding construction drawings 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

### UNDERSTANDING CONSTRUCTION DRAWINGS

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

### **ESTIMATE TAKE-OFF**

# 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.

