Specialist Block Training Programme

Block		Week No.	Course Dates	Subject Area
BLOCK 1	2D and 3D AutoCAD	1	16th - 20th September 2019	Introduction to Design and Draughting & AutoCAD Configuring AutoCAD - hardware and software Learn basic AutoCAD commands - drawing/modifying Create line type, layers, hatching, blocks Create templates, dimension styles, text styles, title blocks Introduce industry standard exercises – buildings, building components
		2	23rd – 27th September 2019	Pseudo 3D i.e. Isometric, Oblique, Axonometric Introduce 3D AutoCAD techniques Create 2D reinforced stair. Create a 3D version Viewports and paper space manipulation Create a paper space drawing showing 2D, 3D and title block Issue major house drawing project - 2D CAD
BLOCK 2	Structural Drawings, Sections, Elevations	3	29th April – 3rd May 30th September – 4th October 2019	Section and elevation drawing and detailing Complex AutoCAD 2D & 3D drawings Creating, modifying and inserting blocks Handling embedded/linked objects in AutoCAD Handling raster objects in AutoCAD Handling XREF's in AutoCAD
		4	7th – 10th May 2019 7th – 11th October 2019	Drawing and detailing structural steelwork and concrete Slabs, Beams, Columns, Foundations, Staircases, Types of Steel Connections
BLOCK 3	BIM – Revit	5	13th – 17th May 2019 14th – 18th October 2019	Introduction to BIM BIM Stages, COBie, BIM RIBA, PAS1192, BIM Protocol Roles and responsibilities Common data environment Introduction to Revit Create an example 3D dwelling in class Issue written specification for a dwelling - group work
		6	20th – 24th May 2019 21st – 25th October 2019	Structural Revit models Use of CAD drawing as backcloth Creating structural elements i.e. slabs, foundations, floors, columns, beams etc Issue written specification for multi storey Revit model Issue written specification for student dwelling exercise
BLOCK 4	RC Detailing	7	3rd – 7th June 2019 4th – 8th November 2019	Introduction to RC Detailing Basic Design Principles Documentation (BS8666, EC2, Standard Method of Detailing) Detailing Principles – construction sequence, buildability, laps, anchorage, cover Drawing & Schedule Production
BLOCK 5	TEKLA	8	10th – 14th June 2019 11th – 15th November 2019	Introduction to TEKLA, Concept, screen layout, navigation, configuration Basic commands Use TEKLA to create industry standard steelwork and reinforcement drawings
BLOCK 6	Surveying for Construction	9	17th – 21st June 2019 18th – 22nd November 2019	Measured surveys - Method, Equipment, People, Survey Arrangements, Safety, Safe Working Practices, Circumstances & Conditions, Equipment, Survey Information, Presentation of information
		10	24th – 28th June 2019 25th – 29th November 2019	Linear Surveys to produce drawings Levelling surveys to produce drawings Measure angles and produce results from calculations Perform setting out of small buildings

Please note the following half term dates where learners are expected to return to their employer:

15th - 26th April 2019

27th – 31st May 2019

28th October – 1st November 2019