

SHOPDRAWING MATRIX

Course Timeline & Module Overview

10 modules covering documentation, calculations, practical projects, and assessment.



Module	Module Title	Scope & Learning Content	Duration (days)	Study Rate (hours/day)	Total (Hrs)
1	Shop Drawing Documentation, Elements & Rules	Introduction to shop drawing elements, material submittals, specification compliance, coordination, and supporting documentation, including codes, catalogues, and RFIs.	5	2	10
2	Systems Overview	Overview of key system components and schematics to explain system operation and functionality.	5	2	10
3	Checklists & Matrix 360 Calculations	Checklists for preparing and reviewing shop drawing packages, supported by Matrix 360 calculation sheets for checking and verifying system components.	5	2	10
4	Templates & Drawing Library	Revit and AutoCAD libraries for shop drawing production, including prepared Revit templates for use in new projects.	5	2	10
5	Standard Details	Standard details for different systems, developed using Revit.	5	2	10
6	Builder's Work	Builder's work requirements, including slab, beam, and foundation openings, equipment concrete plinths, and tank puddle flanges.	2	2	4
7	Projects	Seven practical projects covering villas, residential apartments, hospitals, lift stations, factory, pump rooms, and pools.	25	2	50
8	Quantity Takeoff & BOQ	Quantity takeoff and BOQ preparation using AutoCAD, Revit, and PDF drawings, with reusable schedules for project use.	2	2	4
9	Software Quick Guides	Quick guides for software including Elite Fire and PipeNet, with guidance on seismic supports.	5	2	10
10	Assessment & Certificate	Final course quiz for obtaining the course attendance certificate, together with the course roadmap.	1	2	2
TOTAL COURSE DURATION			60		120

Duration is based on the study rate shown for each module.

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