

AMID-26 WORKING DRAWINGS AND DETAILS

Course overview:

The focus of the course is to impart skills related to the preparation of drawings meant for execution on the site.

Objectives of the course:

To impart training in the preparation of working drawings for buildings with specific reference to code of practice and incorporating specifications as complementary to the working drawings.

Expected skills/ knowledge Transferred:

The course prepares students to generate Technical presentation of Design at built form level, finishing level, product and furniture level.

Course Contents: Unit – I

Preparation of working drawings – Suitable scales of drawings, methods of giving dimensions and standards on plans, sections, elevations, details etc.

Unit – II

Preparation of plans – Architectural plans, furniture layout floor plans with clearances, different level floor plans, detailed floor plans of each room.

Unit – III

Elevations and Sections – Detailed sectional elevations of all the walls in the interior with all the required dimensions and specifications.

Unit - IV

Details of all services – layouts for flooring, ceiling, electrical, plumbing, lighting, fire fighting etc., toilet details, kitchen details, staircase details, furniture details, Interior finishing details, material, color and texture details, fixture and fixing and joinery details.

Unit – V

Specifications writing: Writing detailed clause by clause specifications for materials pre and post execution, tests, mode of measurements, manufacturers details and specifications etc.

Unit – VI

Manufacturer's specifications – Database of manufacturers specifications for the following materials based on surveys –
Glass, plywood and laminates, hardware, electrical, wiring, accessories, plumbing fitting and fixtures,

flooring, cladding etc.,

Note : Students shall prepare atleast two working drawing sets, one for a small residence and one for a large building.

Reference Books:

- Leibing. W. Ralph, Architectural Working Drawings, 4th edition, John Wiley and Sons, New York, 1999.
- Macey. W. Frank, Specification in detail, 5th edition, Technical Press Ltd, London, 1955.
- Shah, M.G.; and others, Building Drawing : An integrated approach to build environment, 3rd ed, Tata McGraw Hill Pub. Co. Ltd, New Delhi, 1996.
- Fredd Stitt, Working Drawing Manual, McGraw-Hill Professional; 1st edition, 1998.
- Kilmer, Workind Drawings and Details for Interiors, John Wiley and Sons,