

Construction Documents Checklist for Construction Professionals



Construction Documents Checklist:

Architectural Drawings:

- Verify accuracy and up-to-date status of architectural drawings.
- Confirm correct dimensions, measurements, and annotations.
- Include floor plans, elevations, sections, and details as required.

Structural Engineering:

- Review structural calculations and designs for integrity and compliance.
- Confirm load-bearing elements, foundation details, and structural connections.
- Include structural plans, diagrams, and specifications.

Mechanical, Electrical, and Plumbing (MEP) Plans:

- Ensure MEP plans align with architectural and structural elements.
- Include HVAC, electrical, plumbing, and fire protection layouts.
- Confirm accurate placement of equipment, fixtures, outlets, and conduits.

Specifications:

- Develop comprehensive project specifications for materials and methods.
- Ensure alignment with architectural and engineering plans.
- Include sections for different trades and construction phases.

Bill of Materials (BOM):

- Create detailed BOM specifying quantities and units.
- Align BOM with architectural drawings and specifications.
- Provide cost estimates for accurate project budgeting.

Detail Drawings and Sections:

- Develop detailed drawings and sections for complex components.
- Include enlarged details for intricate construction elements.
- Ensure consistent line weights, scales, and annotations.

Coordination and Clash Detection:

- Perform clash detection to identify conflicts between elements.
- Resolve clashes and ensure coordination among disciplines.
- Provide coordinated drawings showing all elements in harmony.

Accessibility and Compliance:

- Verify compliance with accessibility standards (e.g., ADA).
- Document accessible routes, ramps, and facilities.
- Include signage, markings, and dimensions for accessibility.

Specifications for Sustainability:

- Incorporate sustainable design features and materials specifications.
- Detail energy-efficient systems, water conservation measures, and environmental considerations.

Client Review and Approval:

- Present construction documents for client review.
- Address client feedback and revisions.
- Obtain signed approval and agreement on final documents.