

Benefits of Coordinated Drawings

- Highlights plan discrepancies and missing/insufficient information provision. Allows contractors to effectively construct the project, with minimal time lost from the need to seek additional information or clarification from other parties.
- Allows better estimation of cost & time in the schedule of works, and hence smoother workflow.
- Frees up site staff to concentrate on more important key tasks instead of wasting time doing minor coordination tasks.
- Reduces misunderstanding between the various parties involved in a project since everyone possesses the same development plans.

Coordinated Drawings

**ARCHITECTURAL
CIVIL & STRUCTURAL
MECHANICAL & ELECTRICAL**

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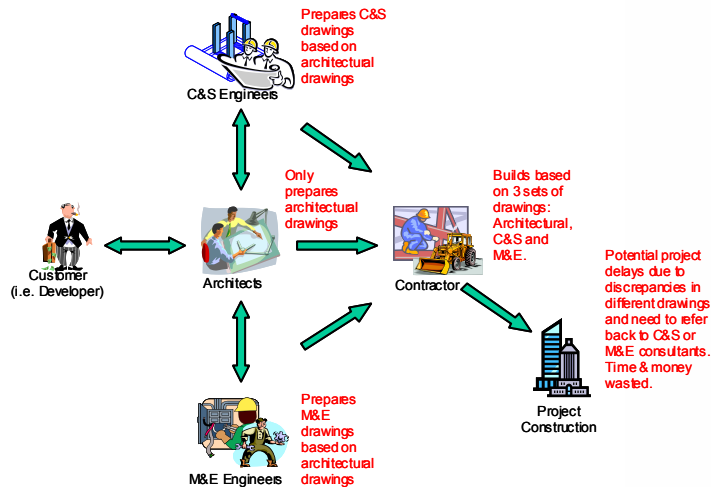
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The Current Development Process



In any given building development, various processes like architectural design, structural planning and mechanical works are usually handled by different parties. Such processes are often conducted as isolated tasks and hardly ever well coordinated. More often than not, design changes are not properly communicated to the other parties involved in the project, leading to confusion, frustration, need to remedy faults, increased development time and thus costs.

Problems

- Plan discrepancies and missing/insufficient information not discovered until late in development.
- Need to seek additional information or clarification from consultants with resultant unnecessary delays.
- Uneven workflow due to interruptions, and escalating time and costs needed to rectify problems.
- Site staff time and energy spent on fire-fighting and minor coordination tasks (instead of value-added work).
- Misunderstanding and friction between the various parties involved in the project.

What are Coordinated Drawings?

Fully coordinated drawings are drawings produced by skilled draftpeople that integrate the information and plans from the various parties involved in development projects. By integrating and summarizing all relevant architectural, civil, structural, mechanical and electrical information onto one set of plans, coordinated drawings help to minimize misunderstandings and ultimately lead to time and cost savings for the project and everyone involved.

And C&S Coordinated Drawings are all the more important. Why?

- C&S drawings are developed first from architectural drawings. This means that any discrepancies not immediately identified and rectified through C&S coordinated drawings have a "snowball" effect on downstream processes (like M&E works). Exponentially increased time, effort & cost is required to rectify these faults later in the project.
- C&S coordinated drawings help identify missing/insufficient information and allows contractors to get back to their consultants quickly.

Why Use H-K Resources?

H-K Resources is a independent specialized provider of computer-aided drafting and documentation services to the construction industry. We provide architects, engineers and contractors with fast, easy access to trained, qualified draftspeople, thereby helping to substantially reduce their production costs. By using H-K Resources, you save substantially on time and costs because:

1. You won't need to bring on full-time employees to do your drafting works and carry overhead costs when projects end.
2. By leveraging on our extensive resources, we can deliver drafts faster and more efficiently, whilst maintaining the same quality, precision and skill expected from professionals, but for a lower cost. This frees your designers to focus on the project proper.

3. Our draftspeople are experienced in many different disciplines, including architectural, civil, structural, mechanical and electrical drawings. From a multi-discipline point of view, we are capable of producing clear, concise and easily understood coordinated drawings that better integrate requirements from disparate disciplines.
4. You'll never have to bother about investing in rapidly changing computer technologies since we periodically upgrade ours to ensure we can support all your highest requirements.

Our Expertise & Prior Experience

H-K Resources prides itself on attention to detail and dedication to quality assurance, values reflected in our steadily growing base of regular clients. The principal of H-K Resources has more than 20 years extensive experience in producing measured drawings for various types of projects (both high and low-rise): Residential, Commercial, Institutional and Industrial.

Our clients consist of consultants, main contractors, sub-contractors and fabricators, and include big names like PWD Consultants Pte Ltd, Hainal Konyi (S) Pte Ltd, Hainal Konyi (M) Snd Bhd, Takenaka Singapore Pte Ltd, Signature Property Consulting Pte Ltd, Sato Kogyo Co Ltd, SAL Construction Pte Ltd, Kenston Construction Pte Ltd, etc.

