

Chapter 1 : Quality Management in Construction: Control and Assurance

The Management of Quality in Construction provides the reader with a knowledge of the principles of quality management and an understanding of how they may successfully be applied in the particular circumstances of the construction industry.

Pin It Commonly for civil and structural projects or real estate development project, there exists three major players: The client, the builder or the contractor, and the project designer or consultant. Normally, all the three major players have their own project management. Project management refers to the strategic application of the skills, tools and other educated techniques to achieved and meet the desired project requirements. For construction projects, project management is commonly known as construction management. This scope is basically managed by a construction management team usually spearheaded by a Vice-President for Construction name of position varies for the corporate company. Working directly under the Vice-Presidents are the Managers. Managers are the one working hand in hand on site. Directly managing the manpower, the material resources, the equipment and tools, budget and other. This being said, there should be a construction management in every site to ensure that the contractors and their on-site development is properly checked and is in line with what is specified and planned as per design. For better understanding, I will be discussing about the construction or project management under the client side. For instance, there will be a condominium project. The client tapped the consultant to have his condominium be put to paper or designed. The consultant then will prepare all the needed plans, the specifications, the designed strength, and calculations gave this to the client for bidding. The client then provided this bidding plan to contractor or builders for pricing. The client prepares the down payment for mobilization. The client will then have to create his own construction management team to directly manage his project. Every accomplishment percentages claimed by the contractor for progress billings will be checked by the construction management team. That is where the importance of this department lies. Construction management team ensure that the progress billing as claimed by the builder is directly proportional to what is actually cast on site. Not only that, the construction management has ensured and checked that what is claimed by the contractor has passed the quality assurance inspection. To give you an example of the importance that the billing claimed has to meet the quality assurance is for the tiling works. This initiative is followed nowadays as CMT tend to take the quality for granted being time constraint. Thus, personnel outside the CMT should be hired to avoid any conflict of interest. This being said, these two departments usually have their own corporate cold war. To diminish lapses like overbilling with a trade, not QC checked, the site engineer has to see to it that the scope claimed by the contractor is already accepted by the quality control and assurance engineer. Importance of Construction Management In addition to the importance of construction management, is the strategic placing of manpower that gives results and also at the most economical plan. Same thing for the builder. The logic is too obvious to be explained further. For builders working with several projects wherein they tend to let their equipment and formworks be borrowed from other sites, the construction management under the client side should not let that happen. Construction management under the client side should stand their ground knowing every formwork, shoring and accessories were all paid by the client Clients normally pays for formworks, you may want to construction contract to be sure. Allowing the borrowing of these systems is risky and harmful to the project schedule.

Chapter 2 : Construction Quality Management | CIOB Academy

Construction Quality Management One of the pillars of the project delivery process is the management of the quality of the product or service a construction company provides. The project specifications generally spell out the quality standards for the project and by reference become a part of the contract between the project owner and the.

Good construction quality management can reduce the number of mistakes and rework in a project. This can help projects come in on time and budget and helps contractors maintain a good relationship and reputation. Here are some tips for improving construction quality management. What is Construction Quality Management Construction quality management is quality control on the job site. Typically internal and external inspectors will conduct tests. Where Quality Management Fails However, not every project meets code requirements because of all the contractors and teams. Without set management systems or policies many quality assurance and quality control practices slip through. And with the change of crew and suppliers from job to job quality and standards could vary. The entire supervisory process is informal and makes quality management hard to control. Switching to a more structured management process helps improve quality on construction sites and reduce the amount of time and money spent on rework. Construction Quality Management Process Elements The best way to improve construction quality management is to create and implement a formal process. Any process needs to have defined objectives and who will be accountable a formalized structure, and training to start. It might seem like a lot to deal with; however, creating a process is just a couple steps. Set Quality Standards The first step to crafting a construction quality management process is to research the specifications and quality requirements for each part of the project. Occasionally that means clarifying requirements with further papers. The quality management process will consist of a quality control plan and a quality assurance process. Whereas, the quality assurance process will outline inspection requirements, the timing of them, all reporting measures, and who is responsible for receiving and acting upon reports. Set Educational Training As important as setting your standards is training. You need to educate them on the quality standards and requirements, as well as what the procedures will be. Since they are to be responsible for the quality of the project, they might want to educate those reporting to them about the specific standards their team must meet. The person in charge of quality assurance should review all plans in place to see if the work practices, materials, and finished work meet quality standards. If there are any issues with the work or materials, they should take the necessary steps to fix it.

Chapter 3 : calendrieldelascience.com: Customer reviews: The Management of Quality in Construction

Review QC documentation to assure adequacy. C. Contractor Quality Control: The primary function of CQC is the successful execution of a realistic plan to ensure that the required.

Chapter 4 : The Management of Quality in Construction: 1st Edition (Hardback) - Routledge

Construction quality management is one of the pillars of project management and project delivery. Good construction quality management can reduce the number of mistakes and rework in a project. This can help projects come in on time and budget and helps contractors maintain a good relationship and reputation.

Chapter 5 : Project Management | Quality Assurance and Quality Control in Construction

In either case, insuring safe and quality construction is a concern of the project manager in overall charge of the project in addition to the concerns of personnel, cost, time and other management issues.

Chapter 6 : Baltimore District > Business With Us > Contracting > Construction Quality Management

Poor quality is costing the industry annually more than the combined profits of companies in the industry. Our 2 day course on construction quality management will give you the tools to meet quality objectives and ultimately provide both customer satisfaction and value.

Chapter 7 : How to Improve Construction Quality Management

Quality assurance are certain schemes that is implemented in construction in order to maintain the standard or the quality of the work in a consistent manner. Quality assurance forms the integral management system in a construction company.