

4.3. Development of relevant construction works

ENGINEERING SUPERVISION

In the construction of projects, systems and works, the application of engineering does not end with the delivery of project design drawings to the owner or developer. The production of a competent engineering design does not assure the owner that the project will be safely constructed in accordance with the sound engineering principles and practice. Design of projects, systems and works, is an initial phase of engineering; supervision of construction is another, equally important phase.

Engineering supervision of construction is required to ensure, among other things, correct interpretation and application of the design, and of the engineering principles which are expressed in it. In addition all engineering details cannot be totally addressed in the design phase - even in the most comprehensive drawings and specifications. Accordingly, it is necessary for engineering judgments to be made during the course of construction.

PROGRESS - PAYMENT REPORTS

The construction manager is responsible for verifying and approving periodic requisitions for payment. In the normal course of business, individual contractors submit these requisitions on a monthly basis. The first step in the sequence of payment is approval by the owner's on-site representative, who is the construction manager. It is his responsibility to verify the validity for which requisition is being made and make sure the task has been accomplished properly.