ABSTRACT

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Title : "Long Span Industrial Steel Building With Overhead Travelling Crane Construction - Case Study Reefer Container Workshop PT Pangaji Mario Refconindo"

Currently, a bigger free space and working space is needed by any sector using industrial building. This is because the demand of the products are increased, as the growing of the population. For civil engineers this means that they have to design a large span industrial building and avoid any interior columns so the bigger free space and working space needed, are provided.

One from many components of the industrial building needs a bigger free space and working space is crane construction. Crane is the part of the material

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handling system. A material handling sistem is about the function of moving the right material to the right place, at the right time, in the right amount, in sequnce, and in the right position or condition to minimize production cost. By installing a crane in the building designed, the designer should understand what is the effect of the crane in the loading of the building design.

By combining of these two problems, a large span and the installation of the crane on the industrial building, the writer is doing some literature study, to find out what are the effects of these two problems on the industrial steel building design.

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