

**4500000 – Precast Prestressed Concrete Construction  
Comments From Industry Review**

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**Comments**

Article 450-16: It has been proposed to "**Calculate pick up and dunnage points**".

Clarify the intent of calculation of pick up and dunnage by mentioning stress analyses and review by Department.

I recommend the following wording:

*Determine the safe location of the pickup and dunnage points by performing stress analyses of the beam. Submit the calculation of the beam analyses to the Engineer for approval.*

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**Ed Petersen**

**Comment:**

The area in blue appears to be fragmented and could be incorporated into the next sentence for a more purposeful meaning.

**450-16.1 Handling:**

Lift and move products so as to minimize stresses due to sudden changes in momentum. *Calculate pick up and dunnage points*. Pick up other products only at points designated as pickup points as shown on the Contract plans or shop drawings

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**Greg Vickery**

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**Comments**

The following subsection in 455 should be located somewhere between 450-16.2 and 450-16.3, since this activity is performed at the prestress yard. Also, I would add the words in red.

455-7.5 Preparation for Transportation: Cut any strands protruding beyond the ends of the pile flush with the surface of the concrete using an abrasive cutting blade before transporting the piles from the casting yard. Cut the metal handling devices cast

into the concrete back to a minimum depth of 1 inch, thoroughly clean, dry and patch with an approved epoxy mortar, mixed, applied and cured in accordance with the manufacturer's recommendations before transporting the piles from the casting yard.

Also, 105-5.9 refers to the Facility Manager for Quality Control. For the sake of consistency, 450 should be worded the same. Manager of Quality Control works for the Prime Contractor, not the Prestress Producer.

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**Greg Weich**

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**Comments:**

450-2.3, it should read "the approved QCM stamp identified in the QCP", it should also include the third paragraph stated in 407-1, rev.10-15-07.....405-2.4, at the second paragraph, after "type of fabricated product", insert the words, "project I.D.#".....450-4.2.6, add "use approved duct systems found on the QPL".

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