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RESEARCH REPORT: RR 25590
(CSI # 03100)

Expires: November 1, 2014
Issued Date: October 1, 2012
Code: 2011 LABC

GENERAL APPROVAL – Renewal / Clerical Modification - Resistance Welding on A706 for pre-assembled steel cages.

DETAILS

Resistance Welding is a fusion process developed using a combination of pressure and heat generated by electric impulses. The process is in accordance with ASTM A 497-97. MEP Preform machine is used by a welder to assemble steel cages such as beam stirrups and column ties used in reinforced concrete members. There are three holding wires (W5 smooth round ASTM A-82) that are attached to the A706 rebar stirrups or ties.

The approval is subject to the following conditions:

1. The structural design of steel reinforcement shall be in accordance with Chapter 19 of the 2011 Los Angeles City Building Code.
2. Fabrication of pre-assembled steel cages shall be in a shop of a fabricator licensed by the City of Los Angeles Building Department, in accordance with the Manufacturing Standards submitted to the Department.
3. When steel cages are shipped to job sites, a copy of the rebar certificate from the mill and a copy of welding test report from an approved test lab shall be provided. The welding test is not for weld itself, but to make sure that the weld did not damage the rebar.

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Gerdau Reinforcing Steel
RE: Resistance Welding on A706 for pre-assembled steel cages

DISCUSSION

The clerical modification is to change the Petitioning Organization name.

The report is in compliance with the 2011 Los Angeles City Building Code.

The approval is based on rebar test.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.

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