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Attn: Matt Hekman
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RESEARCH REPORT: RR 25927
(CSI # 03 21 00)

BASED UPON IAPMO EVALUATION SERVICE
REPORT NO. ER-0321

REEVALUATION DUE
DATE: April 1, 2018
Issued Date: May 1, 2017
Code: 2017 LABC

GENERAL APPROVAL – Clerical Modification - Dayton Superior Corporation DBDI (Dowel-Bar Dowel-In) Reinforcing Bar Mechanical Splice System for Deformed Steel Reinforcing Bars in Concrete.

DETAILS

The above assemblies and/or products are approved when in compliance with the use, description, design, installation, conditions of use, and identification of Uniform Evaluation Report No. ER-0321 dated August 22, 2014, revised March 10, 2017 of the IAPMO Evaluation Service, Incorporated. The report, in its entirety, is attached and made part of this general approval.

The approval is subject to the following conditions:

1. The Mechanical Splice System is approved to splice bar nos. 4 through 11.
2. Except as specified herein, installation of the splices shall be in accordance with the manufacturer's specifications. A copy of which shall be available at each job site to all Deputy Inspectors on the job.
3. Continuous special inspection by Deputy Inspectors shall be provided during installations of the splices.

In addition to the normal duties, the Deputy Inspector shall:

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Dayton Superior Corporation

RE: Dayton Superior Corporation DBDI (Dowel-Bar Dowel-In) Reinforcing Bar Mechanical Splice System for Deformed Steel Reinforcing Bars in Concrete.

- a) Verify product identification, steel reinforcing type and grade of DB coupler and DI bar.
 - b) Verify the cleaning and condition of the bars in accordance with the specifications and the requirements herein.
 - c) Verify the installation procedures in accordance with the specifications and the requirements herein.
4. Splices to be installed shall be selected at the job site by the Registered Deputy Inspector or the Building Inspector and shall be tested by a Los Angeles City approved testing agency. The tests shall be conducted on each different reinforcing bar size and the frequency of tests shall be as follows:
- 1 out of the first 10 splices
 - 1 out of the next 90 splices
 - 1 out of the next 100 splices

Splices shall develop in tension or compression, as required, at least 125 percent of the specified yield strength of the bar. In addition, splices identified as Type 2 shall develop 100 percent of the specified tensile strength, f_u , of the reinforcing bar.

5. If failure of the tested splice should occur prior to obtaining 125-percent of specified yield strength, then 25-percent of all couplers shall be tested.

If failure of the tested splice occurs with testing of the 25-percent requirement, as stated above, then all couplers shall be rejected.

6. The fabricator, in processing steel for the couplers through his works, shall maintain identity of the material and shall maintain suitable procedures and records attesting that the specified grade has been furnished in conformity with the applicable standards. The ASTM or other specification designation shall be included near the erection mark on each shipping assembly or important construction component over any shop coat of paint prior to shipment from the fabricator's plant. The fabricator's identification mark system shall be established and on record prior to fabrication.

Steel which is not readily identifiable as to grade from marking and test records shall be tested to determine conformity to such standard. The fabricator shall, when requested, furnish an affidavit of compliance with such standard. Test data shall be provided upon request.

7. Splice locations shall be fully detailed on the plans.

Dayton Superior Corporation

RE: Dayton Superior Corporation DBDI (Dowel-Bar Dowel-In) Reinforcing Bar Mechanical Splice System for Deformed Steel Reinforcing Bars in Concrete.

8. Minimum concrete cover must be in accordance with the 2017 Los Angeles City Building Code and must be measured to the outer surface of the coupler.

DISCUSSION

The clerical modification is to change the address and contact information of the petitioning organization and update the report to the 2017 Los Angeles City Building Code.

The report is in compliance with the 2017 Los Angeles City Building Code.

This report is based on tests and analyses in accordance with the ICC-Acceptance Criteria for Mechanical Connector Systems for Steel Bar Reinforcing (AC133), dated October 2015.

This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revisions to the report must be submitted to this Department, with appropriate fee, for review in order to continue the approval of the revised report.

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, and 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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Attachment: IAPMO-UES Evaluation Report No. ER-0321 (8 pages).