



Information Bulletin:

Revised ES54 F1-02 Single-Phase Low-Profile Transformer Flat Pad

1.0 Items Covered

ES54 F1-02 R9 Single-Phase Low-Profile Transformer Flat Pad

This advisory and the standard listed above can be found at bchydro.com/distributionstandards.

2.0 Overview

The design of the single-phase low-profile transformer flat pad has been revised to align with BC Hydro's renewed design with the existing supplier, AE Concrete. The revised pad weight and dimensions are similar to the previous products supplied by AE Concrete and should be applied in the same design applications in terms of functionality.

Key changes are:

- a. Lifting inserts will be cast into the sides of the concrete pads. Four Dayton Swift Lift P-50 or P-51 lifting eyes are required to lift the sides of the pad;
- b. edges are chamfered to prevent handling chips and spalls;
- c. Pad weight has changed from 1000 kg to 840 kg; and
- d. Pad dimensions of the pads have changed:
 - i. Edges are no longer sloped but remain 1100 mm x 1300 mm from top to bottom
 - ii. Cable window opening changed from 640 mm x 400 mm to 560 mm x 400 mm.

3.0 Action

The material number for the precast vault remain the same at 400-0852.

Previous iterations of the single-phase pad standards can be found in BC Hydro's FileNet through the Engineering Standards search page.

Designers and Engineers

Designers and engineers shall use the latest ES54 F1-02 revision for underground residential distribution (URD), underground distribution (UD), and feeder installations using the flat low-profile transformer. Functional applications of this structure remain the same and should not

impact existing design applications. Designers should use the updated dimensions for clearance and separation requirements.

Civil Installers

Civil installers should:

- a. Use the latest ES54 F1-02 revision for updated weights and dimensions; and
- b. Stock and use Dayton Swift Lift lifting eyes for appropriate lifting practices of precast concrete structures supplied by AE Concrete.

4.0 Contact

Customer and Customer Representatives

Please direct questions and concerns to your local BC Hydro representative.

BC Hydro Employees and Contractors

Please direct questions and concerns related to the standard to distribution.standards@bchydro.com.

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