DEPARTMENT OF

TRADE AND COMMERCE
CANADA

SD-EA.349

STANDARDS DIVISION

OTTAWA April 1, 1958.

TYPE APPROVAL

CANADIAN WESTINGHOUSE TYPE "OPT" VOLTAGE TRANSFORMERS

The apparatus specified herein has been duly approved by the Standards Division under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Type "OPT" Single and Double Secondary Voltage Transformers, manufactured by the Canadian Westinghouse Company Limited, Hamilton, Ontario.

Rating of Apparatus:

Insulation Class	Transformer Voltage Primary	Secondary	Ratio
25000	24000	120	200:1
34500	23000	115	200:1
34500	27600	115/115	240:1
34500	34500	115	300:1
46000	46000	115	400:1
46000	46000	115/115	400:1
25000	14400	72/120	200/120:1
34500	20125	67.08/115	300/175:1
46000	27600	69/115	400/240:1
69000	39800	66.3/115	600/346:1
69000	40250	67.08/115	600/350:1
92000	55250	69/115	800/480:1
115000	69000	69/115	1000/600:1
138000	80500	67.08/115	1200/700:1

Accuracy Classification 0.3WXYZ
Frequency ..... 60 cycles
Style ..... Outdoor Oil-Filled

Description: The type "OPT" outdoor voltage transformers are designed for metering and relaying where high accuracy is required. They are also suitable for indoor service.

The primary coils are of circular pancake construction. The windings and the integral high voltage leads are insulated by paper tape and solid di-electric to secure the necessary insulation strength and are

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shielded to avoid concentration of electrical stress. The secondary coils are wound on a round Micarta Tube and are located inside the high voltage coils. The secondary coil leads are brought out of the case through small solder-sealed bushings, and into the weatherproof junction box. High permeability Hipersil steel cores are used on type "OPT" transformers, thus permitting reduced weight and dimensions yet still maintaining high accuracy. The welded steel housings support either one or two Westinghouse solder-sealed bushings which are mechanically clamped and solder-sealed to the housings. The transformers are filled with oil under vacuum and then are hermetically sealed.

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Ref: A-692