John D. O'Toole
Vice President

Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, NY 10003
Telephone (212) 460-2533

March 29, 1983

Re: Indian Point Unit No. 2
Docket No. 50-247

Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

ATTN: Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing

Dear Mr. Varga:

This letter confirms our completion of the control room ceiling modification by February 1, 1983 as committed to in our December 14, 1982 letter. In response to your request of December 23, 1982, the following is a description of the design incorporated to preclude the release of the control room ceiling panels during a seismic event.

As depicted in the attached drawing No. H-1, the modification includes an interconnection of the eggcrate ceiling panels whereby adjacent panels are attached in multiple locations by a looped tie that interconnects the adjacent panels with their supporting T- bars. The tie loops are self-locking cable ties manufactured by Panduit Corp., with a minimum tensile strength of 50 lbs.

An engineering analysis was performed which addressed the wire ceiling ties modification for the following conditions:

1. Vertical loading due to seismic acceleration of the eggcrate panel; and

2. Horizontal loading due to the ceiling transite panel hitting the eggcrate panel.

The results of the analysis indicate that the interconnection of eggcrate panels forms a "net" that is capable of retaining any of the transite panels located above the eggcrate panels from falling onto control room operators or equipment during any realistic level of earthquake at the Indian Point Site.

A001

The impact of the Unit No. 2 control room ceiling modification on the Indian Point Probabilistic Safety Study (IPPSS) results is that when taken with other modifications which constitute Amendment 1 to IPPSS, the mean annual seismic initiated core melt frequency is 7.9×10^{-6}. The IPPSS seismic reanalysis which includes the ceiling modification is being incorporated into IPPSS Amendment 2 now under preparation. Current indications of that reanalysis show that seismic initiators are negligible with respect to overall core melt frequency.

Should you or your staff have any questions, please contact us.

Very truly yours,

John D. O'Toole

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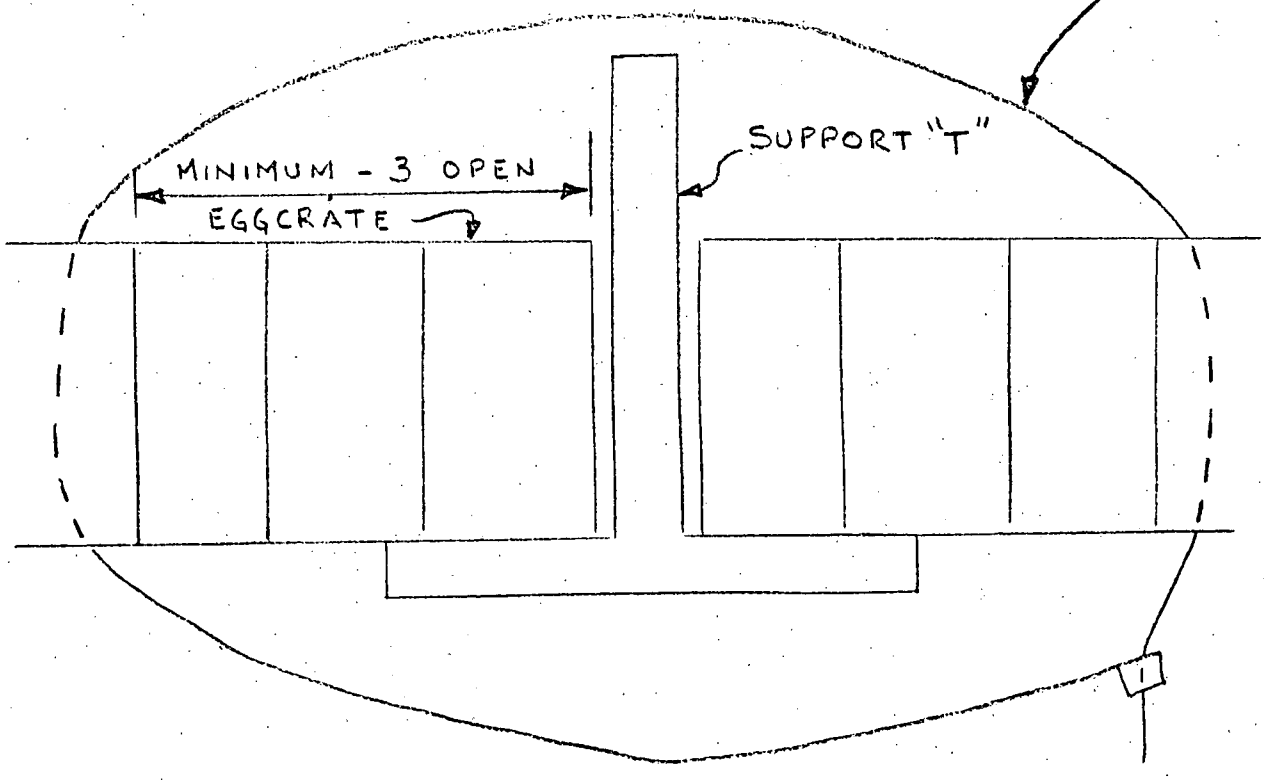
Vice President

REVISIONS

WIRE EGGCRATE CEILING TO SUPPORT "T"'S AS SHOWN. 2 WIRES / SIDE REQ'D

PANDUIT CABLE TIE MIN. 50 Lb. TENSILE STRENGTH



EGGCRATE CEILING PANEL SUPPORT

STATION- INDIAN POINT		APPROVALS	CHIEF DESIGN ENG.	CONSOLIDATED EDISON CO. OF N.Y., INC.
			ENG.	**DWG. NO.** H-1
DRAWN BY	CHECKED		ENG.	RECORDED
SCALE	J. O.			