

Stephen B. Bram  
Vice President

Consolidated Edison Company of New York, Inc.  
Indian Point Station  
Broadway & Bleakley Avenue  
Buchanan, NY 10511  
Telephone (914) 737-8116

July 26, 1988

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

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, DC 20555

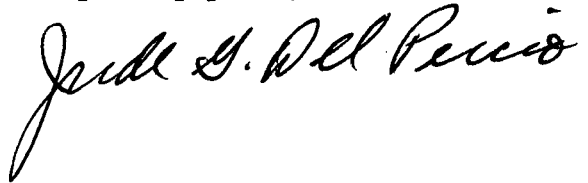
SUBJECT: EOF Expansion

By letter dated May 2, 1988, Con Edison and the New York Power Authority informed you of our plans to expand the Emergency Operations Facility (EOF). Recent discussions with your staff have prompted this current submittal consisting of:

- o a sketch/drawing of the expanded area
- o a discussion of how the expanded area is to be used
- o substantiation of our statement that the added space at the EOF would not be used for dose assessment communications and decision making

This additional information is attached to this letter. If you have any further questions, please do not hesitate to contact us.

Very truly yours,



cc: Mr. William Russell  
Regional Administrator - Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406-1498

Ms. Marylee M. Slosson, Project Manager  
Project Directorate I-1  
Division of Reactor Projects I/II  
U.S. Nuclear Regulatory Commission  
Mail Stop 14B-2  
Washington, DC 20555

Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 38  
Buchanan, NY 10511

*Aug 3 '88*

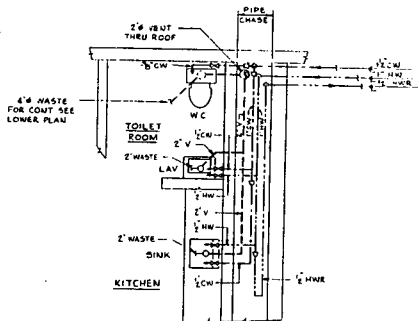
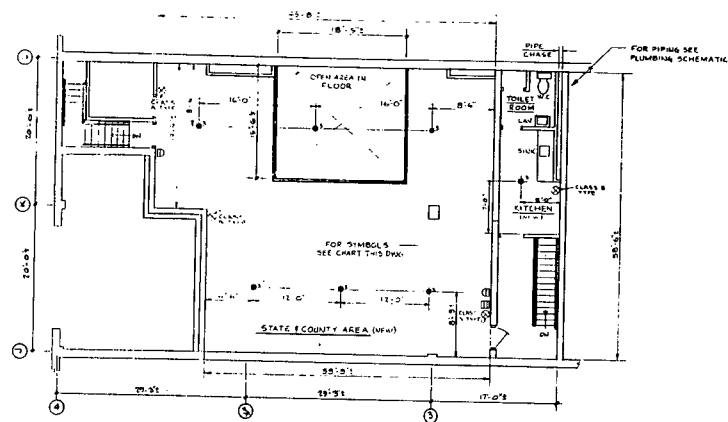
8808040003 880726  
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Attachment 1

Engineering Drawing of  
Proposed EOF Expansion

Consolidated Edison Company of New York, Inc.  
Indian Point Unit No. 2  
Docket No. 50-247  
July, 1988

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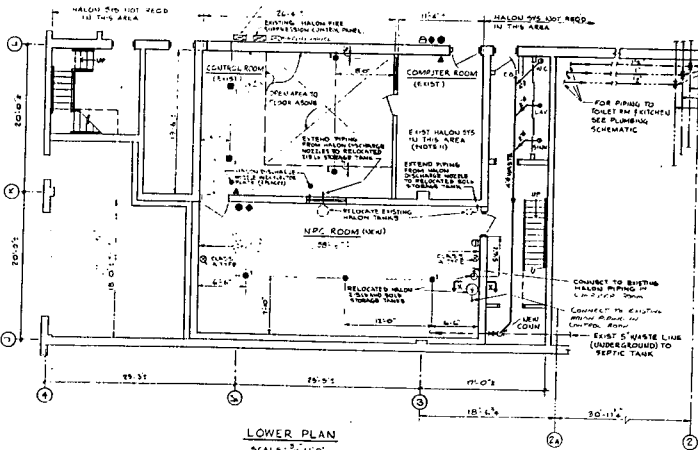


# PLUMBING SCHEMATIC

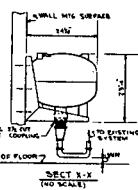
- NO SCALE -

## PLUMBING LEGEND

- VENT (V)
- COLD WATER (CW)
- HOT WATER (HW)
- HOT WATER RETURN (HWR)
- C.O. CLEAN-OUT



SYMBOL CHART FOR HALON SYSTEM	
●	REMOTE STROBE LIGHT
▲	PIRIMAX PHOTO-EYE
■	DETECTOR
○	HALON DISPERSION NOZZLE
□	ALARM BELL W/ AND STATE/COUNTY AREA
□	HALON STROBE HORN
□	PORTABLE FIRE EXTINGUISHER (NEW)
●	RECHARGE STATION



- PIPE ROUTING FOR HALON & PLUMBING SYSTEMS SHALL BE NOTED & SHOWN BY ARCHITECTURE BASED ON FIELD CONDITIONS.
- ALL DRAWINGS ACCORDING TO ARCHITECTURAL DETAILS.
- FOR PIPING, SEE A DESCRIPTION OF PIPE SEE SECTION 11.1, 11.2, 11.3 & 11.4 OF SPECIFICATIONS FOR DETAILS.
- PIPE SHALL BE 1/2" DIA. UNLESS OTHERWISE NOTED.
- PIPE SHALL BE 1/2" DIA. UNLESS OTHERWISE NOTED.
- THE HALON SYSTEM IS THE CONTROL ROOM AND THE COMPUTER ROOM UTILIZES THE "RECHARGE STATION" FOR SYSTEM ACTIVATION. TO THE "RECHARGE STATION" CONCEPT, THE ACTIVATION OF ANY ONE DETECTOR WILL NOT THE SYSTEM FROM ALARM CONDITION. THE ACTIVATION OF ANY DETECTOR WILL CAUSE THE IMMEDIATE RELEASE OF HALON.
- LOCATE ALL DETECTORS AND DISPERSION NOZZLES WITHIN THE RECHARGE STATION. RECHARGE NOZZLES TO BE PROVIDED WITH RECHARGE PLATES TO PROTECT RECHARGE NOZZLES.
- THE LOCATIONS SHOWN FOR THE FIRE EXTINGUISHERS ARE TYPICAL ONLY. THE FIRE LOCATIONS SHALL BE SET BASED ON INSPECTION UNRESTRICTED ACCESS TO FIND FIRE EXTINGUISHERS OR ACCORDANCE WITH NATIONAL FIRE CODE - 2010.
- EXISTING FIRE EXTINGUISHERS IN THE CONTROL ROOM AND THE COMPUTER ROOM ARE NOT SHOWN ON THIS DRAWING FOR CLARITY.
- ALARM STATIONS SHALL TEMPORARILY DELAY THE RELEASE OF HALON FOR 15 SECONDS TO THE DETECTOR IS PRIMARILY RESPONSIBLE.
- NO DETECTORS ARE REQUIRED TO THE DETECTOR OF THE HALON SYSTEM IN THE COMPUTER ROOM. THE LOCATIONS OF THESE COMPONENTS ARE NOT SHOWN FOR CLARITY.
- ALL PENETRATIONS IN THE FLOOR AND WALLS SHALL BE 5" DIA. IN THE CONTROL ROOM AND 10" DIA. IN THE COMPUTER ROOM. THE COILS OF RECHARGE NOZZLES SHALL BE 10" DIA. IN THE CONTROL ROOM AND 10" DIA. IN THE COMPUTER ROOM. THE PENETRATIONS SHALL BE SEALS WITH A WHITE SILICON TYPE GASKETING COMPOUND.

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RECORDS MANAGEMENT CENTER  
Not For Fabrication or Installation  
THIS RECORD VALID ONLY UNTIL

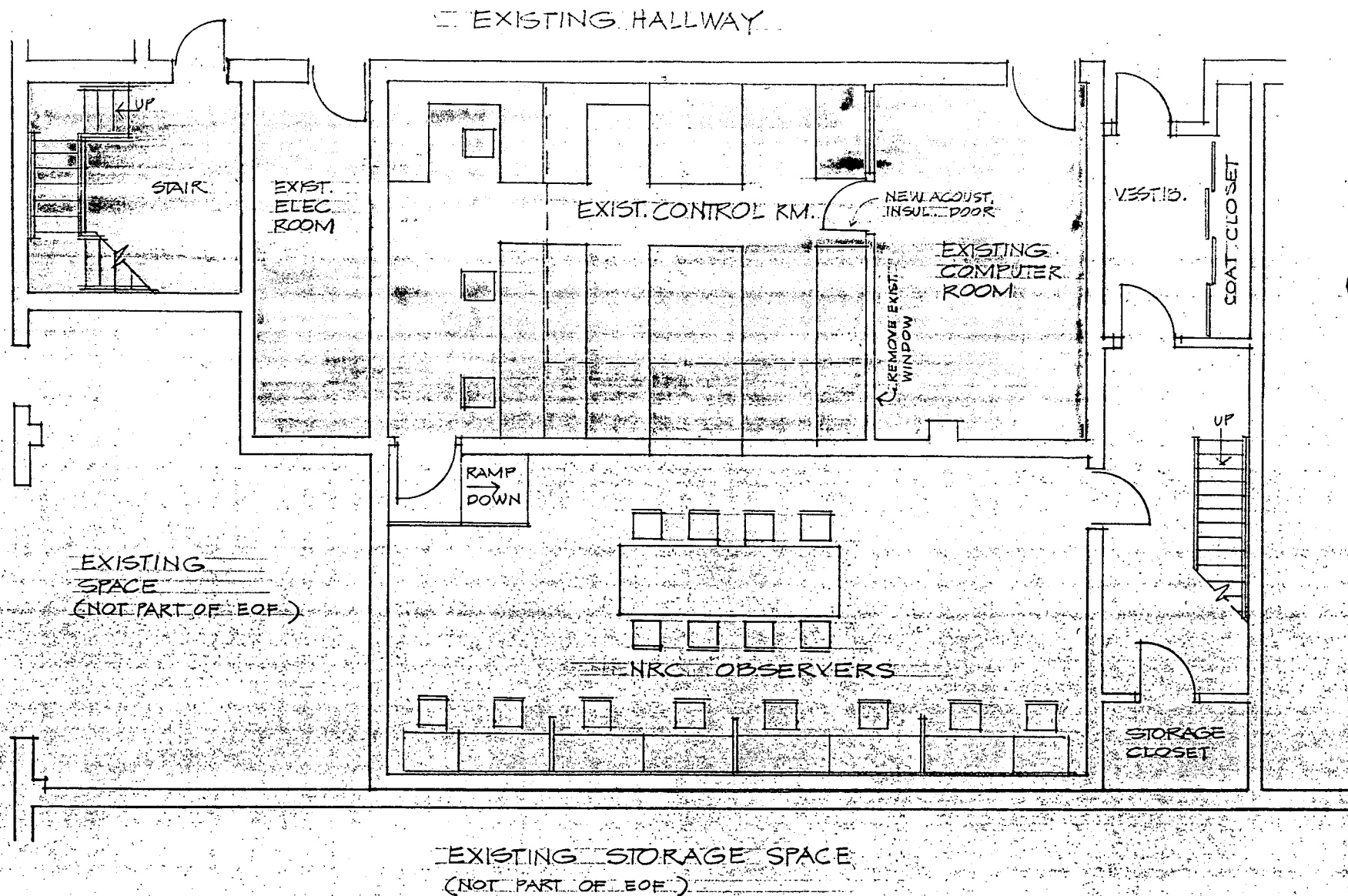
AUG 05 2010

NO.	DATE	BY	CHKD	APP'D	REVISION
1	08/05/10	W. J. [Signature]			
2	08/05/10	W. J. [Signature]			
3	08/05/10	W. J. [Signature]			
4	08/05/10	W. J. [Signature]			
5	08/05/10	W. J. [Signature]			
6	08/05/10	W. J. [Signature]			
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10	08/05/10	W. J. [Signature]			

Attachment 2

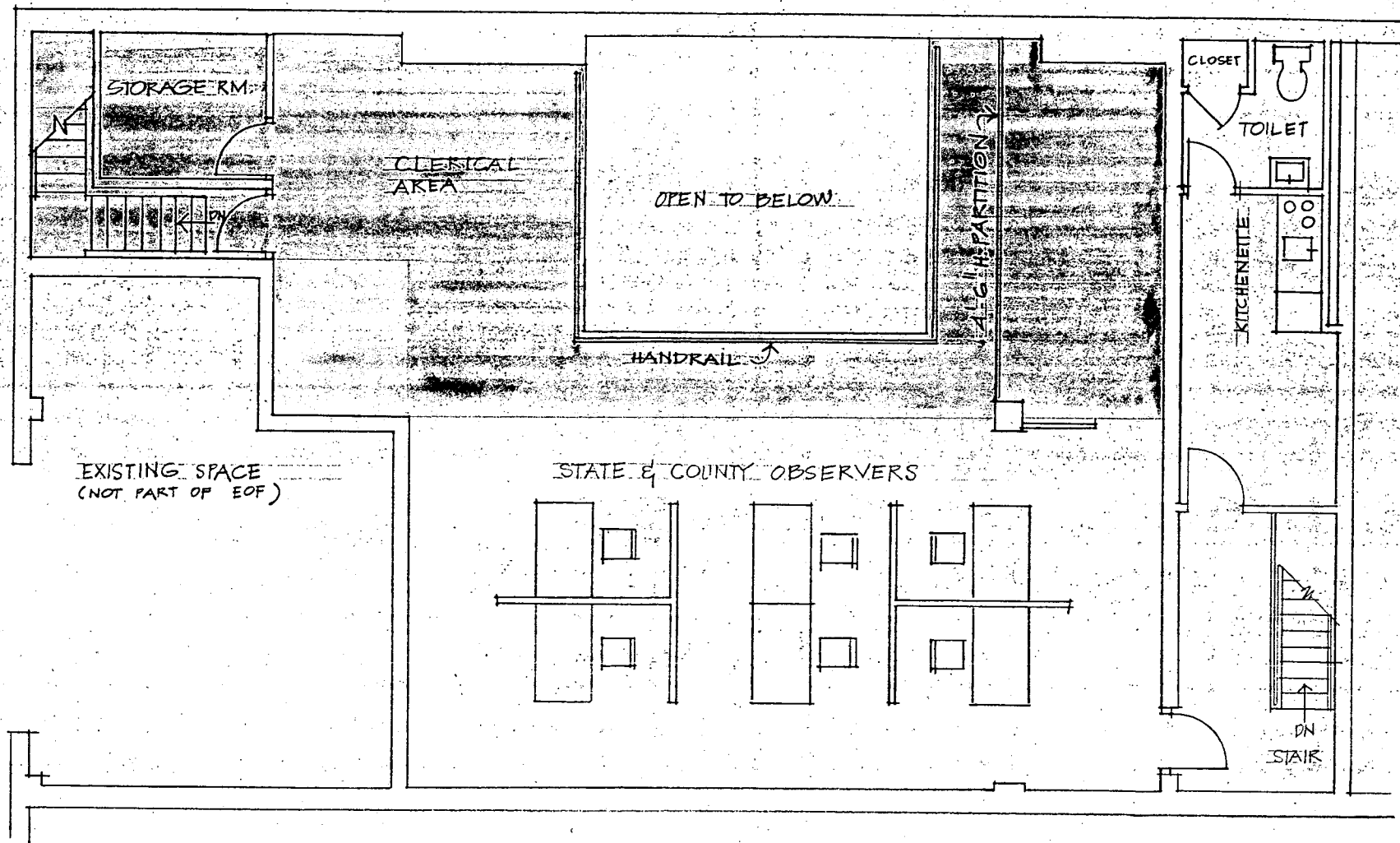
Simplified Sketch of  
Proposed EOF Expansion

Consolidated Edison Company of New York, Inc.  
Indian Point Unit No. 2  
Docket No. 50-247  
July, 1988



# LOWER LEVEL FLOOR PLAN

SCALE: 3/16" = 1'-0"



# UPPER LEVEL FLOOR PLAN

SCALE : 3/16" = 1'-0"

Attachment 3

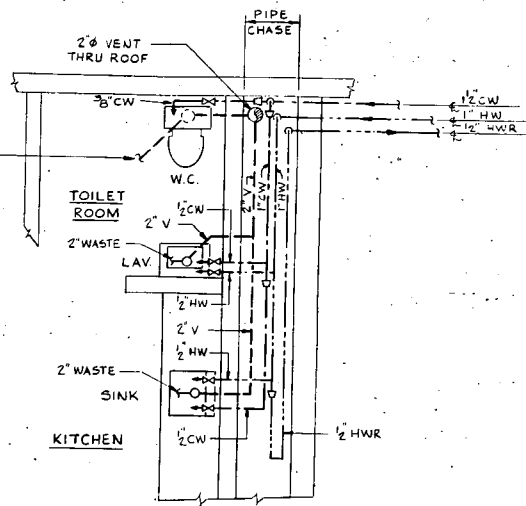
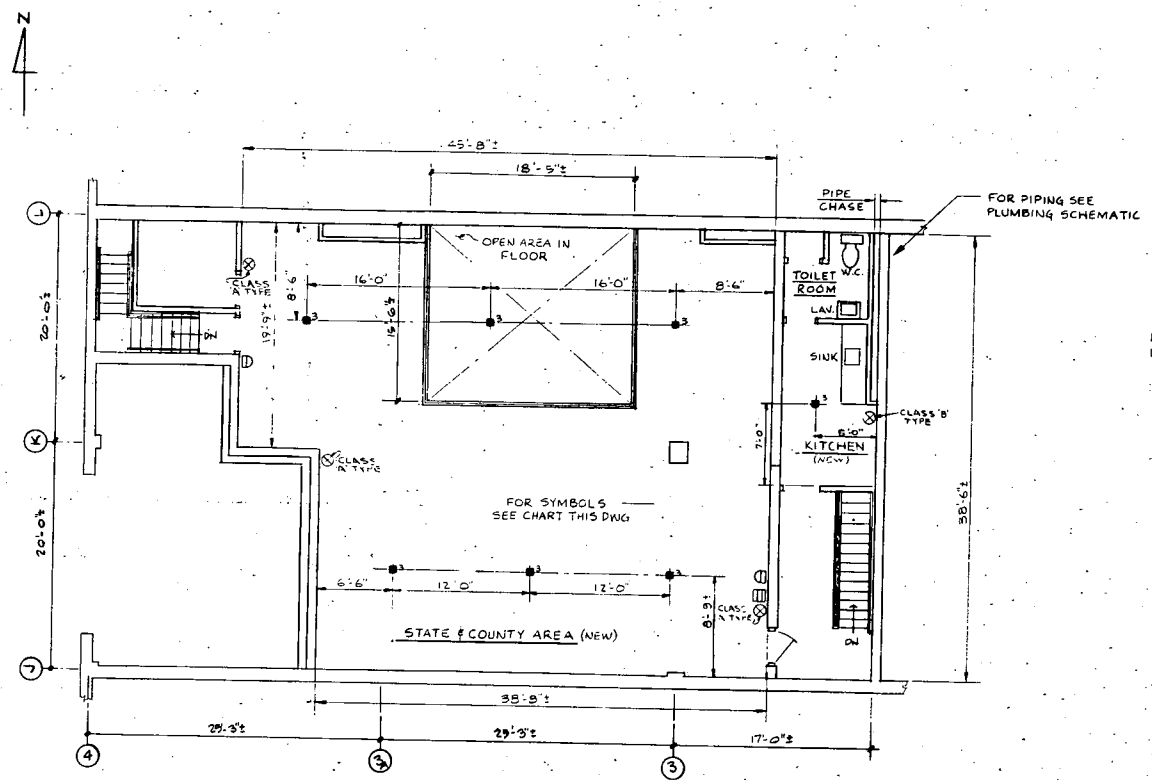
Discussion of Intended Use of  
Proposed EOF Expansion

Consolidated Edison Company of New York, Inc.  
Indian Point Unit No. 2  
Docket No. 50-247  
July, 1988

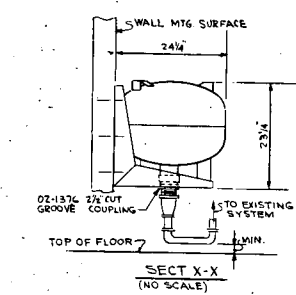
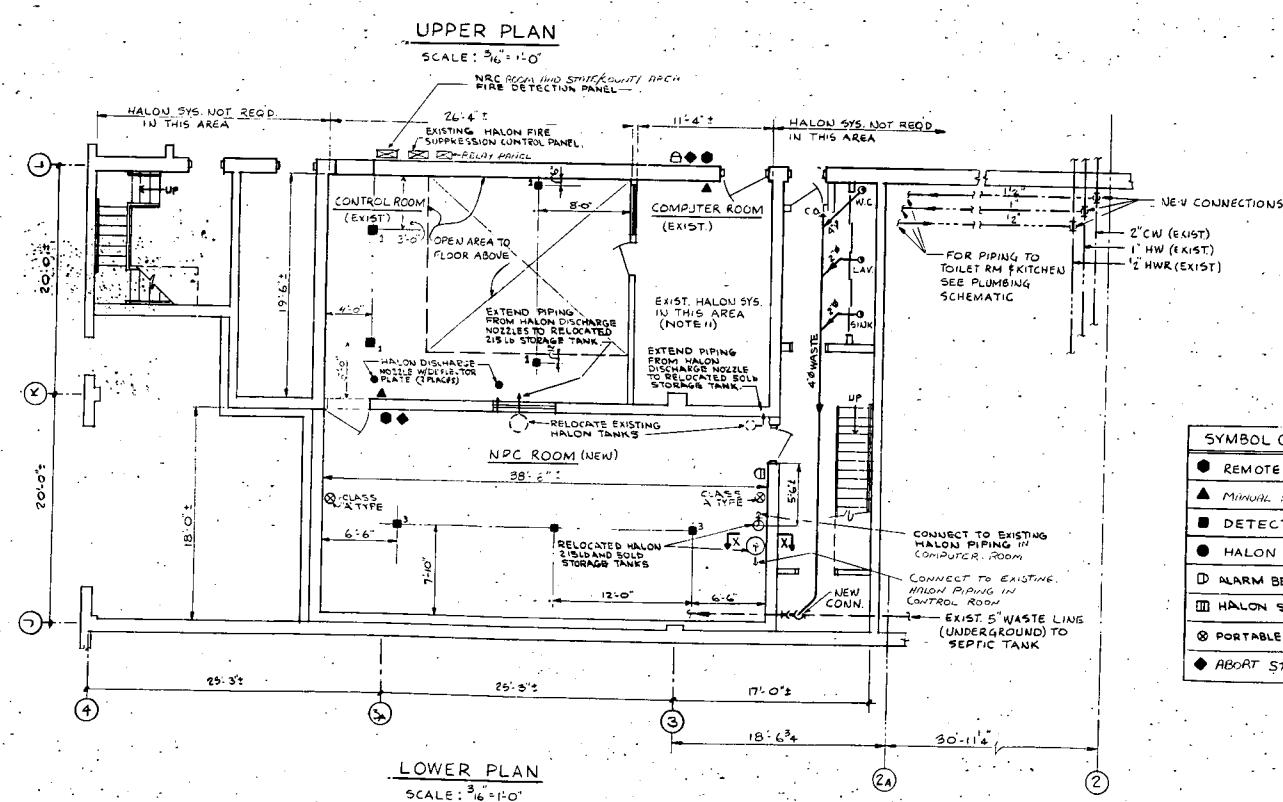
### Intended Use of Expanded EOF

- I. Observation of the drawings in Attachments 1 and 2 provides clarification that the existing EOF remains intact subsequent to the proposed expansion. The first floor of this pre-existing area includes the dose assessment communication and decision making area.
- II. Ground Floor Expansion - To accommodate NRC's request for additional space in the EOF, the added room will have direct access into the existing portion of the structure. In addition a work station for the NRC's lead person will be installed adjacent to the station for the utility Emergency Director. The NRC space will also have a private entrance leading to a new vestibule.
- III. Upper Level Expansion - To take advantage of the opportunity created by the expansion of the lower level to accommodate the NRC, a second floor expansion is included to provide additional space for state and county officials.





- PLUMBING LEGEND**
- VENT (V)
  - COLD WATER (CW)
  - HOT WATER (HW)
  - HOT WATER RETURN (HWR)
  - C.O. CLEAN-OUT



**SYMBOL CHART FOR HALON SYSTEM**

●	REMOTE STROBE LIGHT
▲	MANUAL RELEASE
■	DETECTOR
●	HALON DISPERSION NOZZLE
□	ALARM BELL NRC AND STATE/COUNTY AREA
■	HALON STROBE HORN
⊗	PORTABLE FIRE EXTINGUISHER (NEW)
●	ABORT STATION

- GENERAL NOTES**
- PIPE ROUTING FOR HALON & PLUMBING SYSTEMS SHALL BE VERIFIED & RUN BY CONTRACTOR BASED ON FIELD CONDITIONS.
  - SEE DRAWING A238049 FOR ARCHITECTURAL DETAILS.
  - FOR PIPING SCOPE & DESCRIPTION OF WORK SEE DIVISION 15, SECTION 15A & 15C OF SPECIFICATION CE-112-67-95.
  - WORK THIS DWG. WITH DWG. #A238053.
  - SHOKE DETECTORS SHALL BE OF THE IONIZATION TYPE AS MANUFACTURED BY FINE, MODEL 67-015. DETECTORS HAVE A MINIMUM COVERAGE OF 250 FT<sup>2</sup>.
  - THE HALON SYSTEM IN THE CONTROL ROOM AND THE COMPUTER ROOM UTILIZE THE "VERIFIED DETECTION CONCEPT" FOR SYSTEM ACTIVATION. IN THE "VERIFIED DETECTION CONCEPT" THE ACTIVATION OF ANY ONE DETECTOR WILL NOT SET THE SYSTEM INTO AN ALARM CONDITION. THE ACTIVATION OF ANY SUBSEQUENT DETECTION WILL CAUSE THE IMMEDIATE RELEASE OF HALON.
  - LOCATE ALL SMOKE DETECTORS AND DISCHARGE NOZZLES 18" WITH SUSPENDED CEILING. HALON DISCHARGE NOZZLES TO BE PROVIDED WITH DETECTOR PLATES TO PROTECT CEILING PANELS.
  - THE LOCATIONS SHOWN FOR THE FIRE EXTINGUISHERS ARE TYPICAL ONLY. THE FINAL LOCATIONS SHALL BE SET BASED ON MAINTAINING UNOBSTRUCTED ACCESS TO EACH FIRE EXTINGUISHER IN ACCORDANCE WITH NATIONAL FIRE CODE, NFPA NO. 10.
  - EXISTING FIRE EXTINGUISHERS IN THE CONTROL ROOM AND THE COMPUTER ROOM ARE NOT SHOWN ON THIS DRAWING FOR CLARITY.
  - ABORT STATIONS SHALL TEMPORARILY DELAY THE RELEASE OF HALON FOR AS LONG AS THE SWITCH IS MANUALLY DEPRESSED.
  - NO MODIFICATIONS ARE REQUIRED TO THE SECTION OF THE HALON SYSTEM IN THE COMPUTER ROOM. THE LOCATIONS OF THESE COMPONENTS HAVE BEEN OMITTED FOR CLARITY.
  - ALL PENETRATIONS IN THE FLOOR AND WALLS (BELOW 5 FT. ELEV.) IN THE CONTROL ROOM ARE TO BE SEALED TO PREVENT THE LOSS OF RELEASED HALON. PENETRATIONS ARE TO BE SEALED WITH A WHITE SILICON TYPE CAULKING COMPOUND.

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THIS RECORD VALID ONLY UNTIL

AUG 05 1986

# TI APERTURE CARD

Also Available On  
Aperture Card

INDIAN POINT GEN. STATION	REV. 0	DATE	BY	CHKD.	APP.
DWG. # 238054-A	REV. 0	DATE	BY	CHKD.	APP.
PROJECT # 238054-A	REV. 0	DATE	BY	CHKD.	APP.
TITLE: IMP-2 EMERGENCY OPERATIONS FACILITY EPPH	REV. 0	DATE	BY	CHKD.	APP.
PLUMBING DIAGRAM & HALON GENERAL ARR. T	REV. 0	DATE	BY	CHKD.	APP.
CPG 197-2155-C	REV. 0	DATE	BY	CHKD.	APP.
MOD. PROC.	REV. 0	DATE	BY	CHKD.	APP.

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