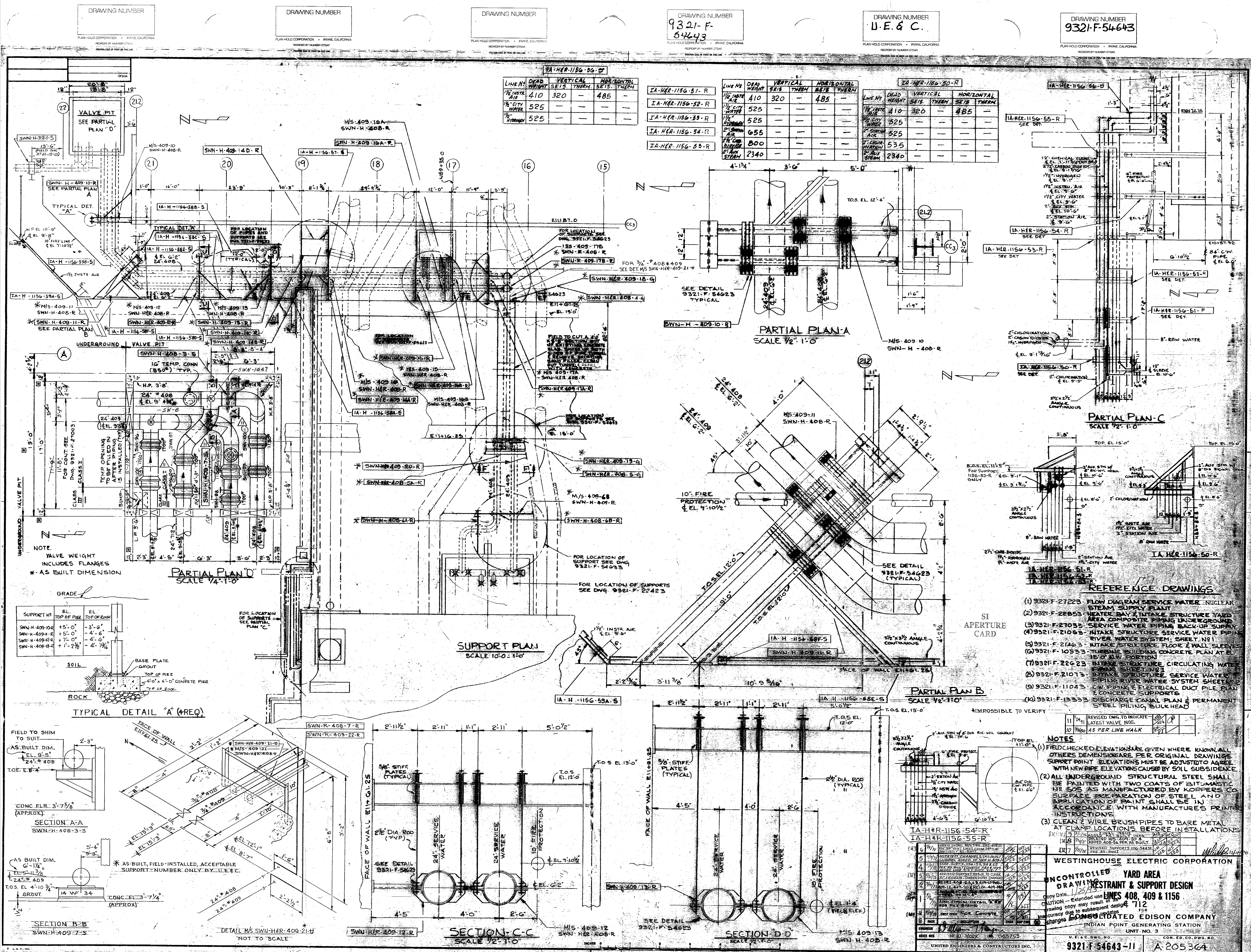

IA-HER-1156-56-U

Line No	Dead Weight	Vertical Seis.	Vertical Therm.	Horizontal Seis.	Horizontal Therm.
1½" Instr Air	410	320	—	485	—
1½" City Water	525	—	—	—	—
1½" Hydrogen	525	—	—	—	—

IA-HER-1156-51-R
IA-HER-1156-52-R
IA-HER-1156-53-R
IA-HER-1156-54-R
IA-HER-1156-55-R

Line No	Dead Weight	Vertical Seis	Vertical Therm	Horizontal Seis	Horizontal Therm
1½" Instr Air	410	320	—	485	—
1½" City Water	525	—	—	—	—
1½" Hydrogen	525	—	—	—	—
2" Station Air	655	—	—	—	—
2½" Carb. Dioxide	800	—	—	—	—
2" Aux Steam	2340	—	—	—	—

IA-HER-1156-50-R

Line No	Dead Weight	Vertical Seis	Vertical Therm	Horizontal Seis	Horizontal Therm
1½" Instr Air	410	320	—	485	—
1½" City Water	525	—	—	—	—
2" Station Air	525	—	—	—	—
2" Chlorination	535	—	—	—	—
2" Aux Steam	2340	—	—	—	—

Support No	EL. Top of Pier	EL. Top of Rock
SWN-H-409-10-R	+5'-0"	-3'-6"
SWN-H-409-11-R	+5'-0"	-4'-6"
SWN-H-409-12-R	+7'-0"	-4'-6"
SWN-H-409-13-R	+1'-2 3/8"	-4'-7 3/16"

REFERENCE DRAWINGS

(1) 9321-F-27223 - FLOW DIAGRAM SERVICE WATER NUCLEAR STEAM SUPPLY PLANT
(2) 9321-F-22853 - HEATER BAY & INTAKE STRUCTURE YARD AREA COMPOSITE PIPING UNDERGROUND
(3) 9321-F-27033 - SERVICE WATER PIPING BACK-UP SUPPLY
(4) 9321-F-21063 - INTAKE STRUCTURE SERVICE WATER PIPING RIVER WATER SYSTEM: SHEET No 1
(5) 9321-F-21463 - INTAKE STRUCTURE FLOOR & WALL SLEEVES
(6) 9321-F-10333 - TURBINE BUILDING CONCRETE PLAN AT EL. 15'-0" N.W. PORTION
(7) 9321-F-22623 - INTAKE STRUCTURE CIRCULATING WATER PIPING SHEET No 1
(8) 9321-F-21073 - INTAKE STRUCTURE SERVICE WATER PIPING RIVER WATER SYSTEM SHEET No 2
(9) 9321-F-11043 - C.W. PIPING & ELECTRICAL DUCT PILE PLAN & CONCRETE SUPPORTS
(10) 9321-F-13333 - DISCHARGE CANAL PLAN & PERMANENT STEEL PILING BULKHEAD

NOTES

(1) FIELD CHECKED ELEVATIONS ARE GIVEN WHERE KNOWN. ALL OTHERS DEMENSIONS ARE PER ORIGINAL DRAWINGS. SUPPORT POINT ELEVATIONS MUST BE ADJUSTED TO AGREE WITH NEW PIPE ELEVATIONS CAUSED BY SOLL SUBSIDENCE.
(2) ALL UNDERGROUND STRUCTURAL STEEL SHALL BE PAINTED WITH TWO COATS OF BITUMASTIC No 505 AS MANUFACTURED BY KOPPERS Co. SURFACE PREPARATION OF STEEL AND APPLICATION OF PAINT SHALL BE IN ACCORDANCE WITH MANUFACTURES PRINTED INSTRUCTIONS.
(3) CLEAN & WIRE BRUSH PIPES TO BARE METAL AT CLAMP LOCATIONS, BEFORE INSTALLATIONS.

No.	Date	Description	By	Chk	App
11	1/24/91	REVISED DWG. TO INDICATE LATEST VALVE NOS.	KBB	REG	
10	9/9/80	AS PER LINE WALK	SW		
9	3/1/76	FINAL ISSUE ADDED AS-BUILT INFO.	AJD		
8	1/24/75	DELETED M/S-409-20 & ADDED 408-5A PER AS BUILT	ASP	J.B.	W.T.
7	1/25/74	REVISED SUPPORTS 1156-54 & 55 PER AS-BUILT	J.M.	H.F.B.	W.T.
6	1/4/74	ADDED DETAIL M/S SWN-HER-409-21 FOR 3/4" VENT LINES FROM 24" S.W. PARTIALLY AS-BUILT	WAS	W.T.	R.B.B.
5	11/9/73	ROTATED CHANNELS (AS BUILT) CHANNEL ADDED TO SWN-H-409-11	RJM	H.B.	W.T.
4	11/2/73	CORR. SUPT'S. 1156-53, 54 & 55 PER AS BUILT (COURTER 1189 & 1229) ADDED LINE 712 & SUPT. 712-1			W.T.
3	8/31/73	REVISED SUPPORT 409-11 TO CLEAR 10" FIREMAIN - DIMENSIONS CHANGED	J.M.	H.F.B.	W.T.
2	7/13/73	REDES. 408-6A, 6B, 409-10 THRU 409-13, 409-20 & RELOC. 409-14A			W.T.
1	4/20/73	[illegible] ADD TYPICAL DETAIL "A" FOR PILE BORING	HD		W.T.
NC	4/3/73	FIRST ISSUE FOR CONSTR.	DF	HJ	

ENGINEER: [signature]
STATE REG: NEW YORK No. 048253

UNITED ENGINEERS & CONSTRUCTORS INC.

WESTINGHOUSE ELECTRIC CORPORATION

UNCONTROLLED DRAWING
Copy Date 1/25/93
CAUTION — Extended use of this drawing copy may result in its inaccuracy due to subsequent design changes and drawing updates.

YARD AREA RESTRAINT & SUPPORT DESIGN LINES 408, 409 & 1156 & 712

FOR

CONSOLIDATED EDISON COMPANY
INDIAN POINT GENERATING STATION
UNIT NO. 3

U.E.&C. DWG. NO. 9321-F-54643-11
CON. ED. CO. DWG. NO. A-205364

Docket # 50-286
Accession # 9302110001
Date 1/25/93 of Ltr
Regulatory Docket File

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