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	–	–	–	–

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IA-HER-1156-51-R

IA-HER-1156-52-R

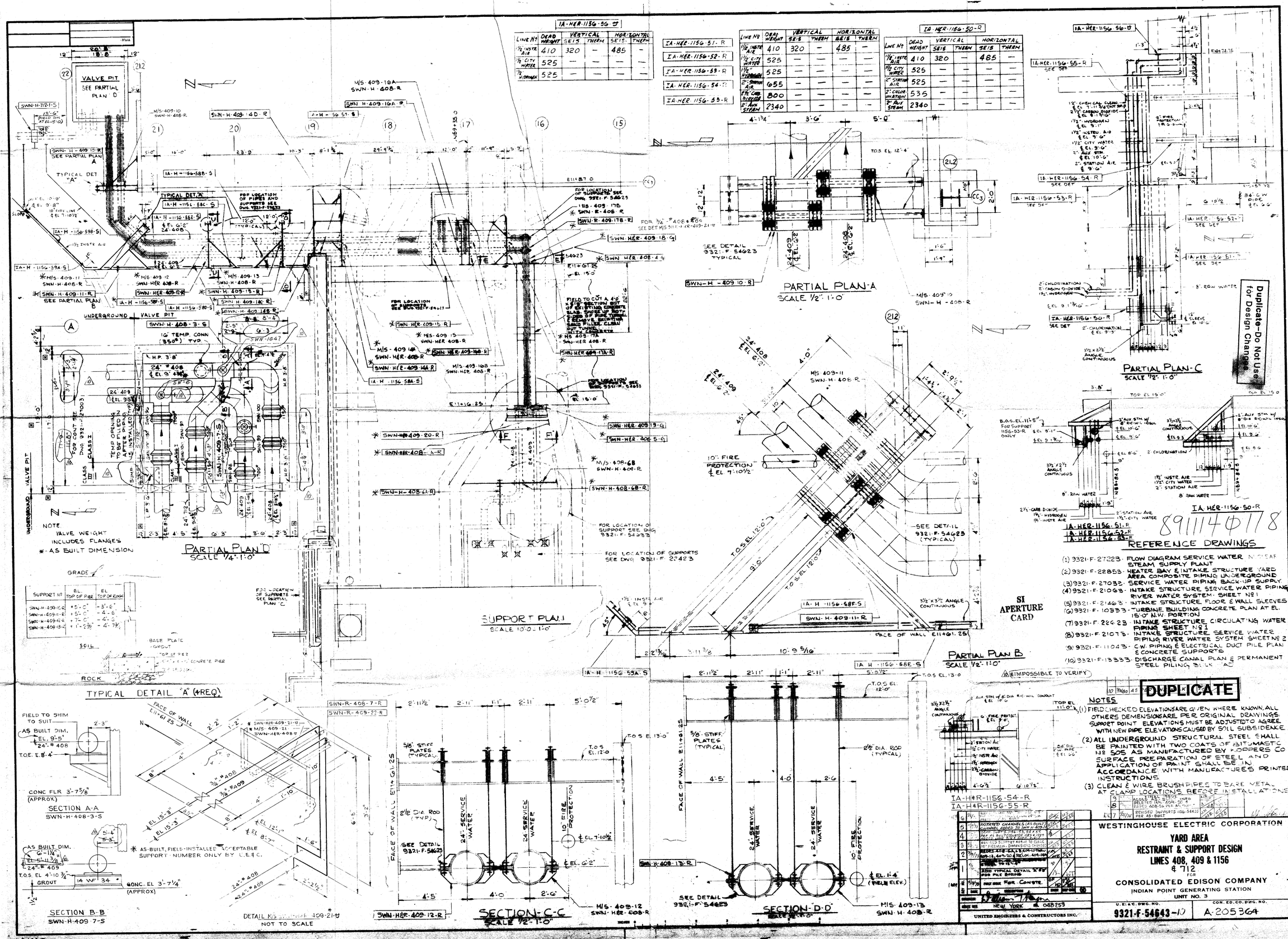
IA-HER-1156-53-R

IA-HER-1156-54-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	–	–	–	–
1½" HYDROGEN	525	–	–	–	–
2" STATION AIR	525	–	–	–	–
2" CHLORINATION	535	–	–	–	–
2" AUX STM	2340	–	–	–	–



Duplicate-Do Not Use for Design Changes

REFERENCE DRAWINGS

(1) 9321-F-27223 - FLOW DIAGRAM SERVICE WATER N.Y.C.S.A.F. 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 Nº1
(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-26623 - INTAKE STRUCTURE CIRCULATING WATER PIPING SHEET Nº1
(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 BULK HEAD

SI APERTURE CARD

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IA-HER-1156-51-R
IA-HER-1156-52-R
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8911180062
10/18/89

DUPLICATE

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 SOIL 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 MANUFACTURER'S PRINTED INSTRUCTIONS.
(3) CLEAN & WIRE BRUSH PIPES TO BARE METAL AT CLAMP LOCATIONS BEFORE INSTALLATIONS.

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9		ADDITIONAL REVISE UNDERGROUND PIPING PER ECN 4
8		REVISED SUPPORTS 1156-54623 PER AS-BUILT
7	7/21/86	REVISED SUPPORTS 1156-54623 PER AS-BUILT
6		
5	10/7/76	ROTATED CHANNELS (AS BUILT) CHANNEL ADDED TO SWN-H-409-7
4		REVISED SUPPS 1156-54, 55, 56 & 57
3		REVISED SUPPORTS 1156-54, 55 & 57 PER AS BUILT DETAILS
2	7/28/75	REVISED SUPPORTS 1156-54 & 55 TO CLEAR NEW PIPE
1		NOT TO SCALE - DIMENSIONS CHANGED
		REDES. 408-6A & 6B-HORIZONTAL SWN-13, 14, 17-20 & 1156-54, 55
		ADD TYPICAL DETAIL "A" & SPS FOR PILE BRACING
		FIRST ISSUE FOR CONSTR.

UNITED ENGINEERS & CONSTRUCTORS INC.
NEW YORK

WESTINGHOUSE ELECTRIC CORPORATION

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-54643-10
CON. ED. CO. DWG. NO. A-205364