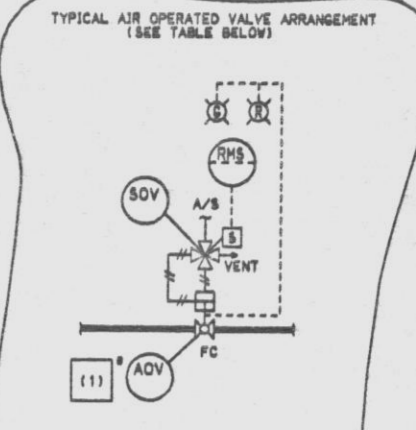


MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
ADV 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000	SUPPLIED BY GENERAL ELECTRIC		
V1, V2, V3, V4, V5, V6, V7, V8, V9, V10, V11, V12, V13, V14, V15, V16, V17, V18, V19, V20, V21, V22, V23, V24, V25, V26, V27, V28, V29, V30, V31, V32, V33, V34, V35, V36, V37, V38, V39, V40, V41, V42, V43, V44, V45, V46, V47, V48, V49, V50, V51, V52, V53, V54, V55, V56, V57, V58, V59, V60, V61, V62, V63, V64, V65, V66, V67, V68, V69, V70, V71, V72, V73, V74, V75, V76, V77, V78, V79, V80, V81, V82, V83, V84, V85, V86, V87, V88, V89, V90, V91, V92, V93, V94, V95, V96, V97, V98, V99, V100	SUPPLIED BY GENERAL ELECTRIC	3/4"	18
V256, V257, V274, V275, V276	SUPPLIED BY GENERAL ELECTRIC	1 1/2"	4
V223	SUPPLIED BY GENERAL ELECTRIC	3/4"	1

SEE NOTE 10



AREA	ADV	(1)	SOV
(F-1)	250	F814	250
(H-1)	300	F816	300
(H-2)	810	F818	810
(E-2)	200	F819	200
(E-2)	280	F821	280
(D-7)	510	F818	510
(F-3)	440	F809	440
(I-4)	520	F807	520
(I-5)	310	F816	310
(G-5)	540	F806	540
(I-6)	260	F808	260
(G-5)	530	F804	530
(I-5)	300	F815	300
(G-7)	250	F814	250
(H-7)	610	F813	610
(E-7)	290	F811	290
(F-7)	280	F810	280
(D-8)	510	F818	510
(F-8)	440	F809	440
(I-9)	500	F807	500
(I-10)	310	F816	310
(G-10)	540	F806	540
(G-11)	530	F804	530
(I-11)	260	F808	260

- NOTES:
- ALL INSTRUMENTS AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "2WCS" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
 - G.E. IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES (TO BE PREFIXED WITH G36).
 - INSTRUMENT CONNECTIONS ARE 3/4" UNLESS OTHERWISE SHOWN.
 - ALL PIPING IS CLASS 921 UNLESS OTHERWISE NOTED.
 - ALL INSTRUMENTS ARE LOCATED IN RADIATION ZONE 4, 5 OR 6 UNLESS OTHERWISE NOTED.
 - INSTALL ADV250, 252, 500, 540 AND 540 WITH FLOW UNDER THE SEAT. ALL OTHER ADV'S SHALL BE INSTALLED WITH FLOW OVER THE SEAT. IN ORDER TO ACCOMPLISH THIS FUNCTION THESE VALVES SHALL BE INSTALLED SUCH THAT THE DIRECTION OF THE FLOW ARROW ON THE VALVE'S TAG IS IN THE SAME DIRECTION AS THE FLOW IN THE PIPING.
 - PROCESS PATH SHALL BE PIPED SYMMETRICALLY FOR THE 4 FILTER/DENIMERALIZERS.
 - STRTRC, 80 ELEMENT FOR SYSTEM FLUSH ONLY.
 - ALL ADV'S AND PV'S ASSOCIATED WITH FILTER DENIMERALIZER HAVE INTERLOCKS WITH LOGIC CONTROLLERS.
 - BLIND FLANGES (STRTRC & 80) ARE FOR NORMAL PLANT OPERATION. "BLOW-OFF" FLANGE & VALVES (V256, 257, 274 & 275) ARE TO BE TAGGED & STORED FOR POSSIBLE FUTURE FLUSHING.
 - DENOTES EQUIPMENT SUPPLIED BY GE-NEO.
 - SEE TABLE FOR TYPICAL AIR OPERATED VALVES ARRANGEMENT TAG DWS (H-3).
 - NO FLAG SHOWN ON ● RESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.

SI APERTURE CARD

QA CAT I & II

PIPING & INSTRUMENTATION DIAGRAM REACTOR WATER CLEANUP SYSTEM

NINE MILE POINT NUCLEAR STATION-UNIT 2 NIAGARA MOHAWK POWER CORPORATION

STONE & WEBSTER ENGINEERING CORPORATION CHERY HILL, N.J.

DRAWING NUMBER 12177-PID-37E-6

DESIGNED BY E. BILBROUGH DRAWN BY E. BILBROUGH CHECKED BY E. F. CURRAN

ISSUE	DESCRIPTION	CHKD	CORRECT	DATE	ISSUE	DESCRIPTION	CHKD	CORRECT	DATE	ISSUE	DESCRIPTION	CHKD	CORRECT	DATE	ISSUE	DESCRIPTION	CHKD	CORRECT	DATE
1	INCORPORATES EDC NO. 2408856				1	INCORPORATES EDC NO'S VCS-845, 849, 858, 854				1	INCORPORATES EDC NO'S VCS-845, 849, 858, 854				1	INCORPORATES EDC NO'S VCS-845, 849, 858, 854			

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