

A001

REGULATORY INFORMATION DISTRIBUTION SYSTEM

DOCKET NBR: 50-269/270 CONEE 1/2  
RECIPIENT: DENTON, H.R.  
ORIGINATOR: PARKER, W.O.  
COMPANY: DUKE PWR CO  
SUBJECT:

DOC DATE: 781128  
ACCESSION NBR: 7812040231  
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LTR 1 ENCL 1  
SIZE: 7

Requests relief from req of ASME Code Section XI, Article IWC-5000, in ref subj  
facil 780523 ltr. Request concerns sys pressure test found to be impractical.

DISTRIBUTION CODE: A001  
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NOTARIZED

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TOTAL NUMBER OF COPIES REQUIRED:  
LTR 40  
ENCL 39

DEC 5 1978

TTC cap 4

NOTES: M CUNNINGHAM - ALL AMENDMENTS TO FSAR & CHANGES TO TECH SPECS.

DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.  
VICE PRESIDENT  
STEAM PRODUCTION

November 28, 1978

TELEPHONE AREA 704  
373-4083

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Mr. R. W. Reid, Chief  
Operating Reactors Branch #4

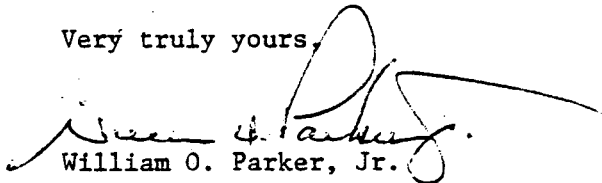
Re: Oconee Nuclear Station, Unit 1  
Docket No. 50-269, 50-270

Dear Sir:

Pursuant to 10CFR 50, §50.55a, please find attached a request for relief from the requirements of ASME Code Section XI.

This request is applicable for Oconee Unit 1 only. It is considered to supplement my requests of April 11, May 8, July 14 and July 21, 1978. A license for this review was provided by my letter of May 23, 1978, and, as such, no further licensee fees are provided.

Very truly yours,

  
William O. Parker, Jr.

RLG:scs  
Attachment

REGULATORY DOCKET FILE COPY

7812040231

1001  
S  
11

P

DUKE POWER COMPANY  
OCONEE NUCLEAR STATION

Request for Relief from ASME Code Section XI  
Testing Requirements

1. COMPONENT FOR WHICH RELIEF IS REQUESTED:

a. Name and Number

Unit 1 Feedwater and Auxiliary Feedwater systems (system numbers 03 and 03A). The following welds were added due to a modification.

<u>System</u>	<u>Weld Number</u>
03	16A, 17, 17A, 18, 19
03A	3C, 3D, 3E, 41B, 41C, 41D, 41E, 42A

b. Function

The feedwater system takes condensate from the main condenser hotwell to the steam generators. The auxiliary feedwater system provides feed during loss of feedwater or RC pumps. The modification provides a flow path to allow recirculation of the steam generator during shut-down conditions.

c. ASME Section III Code Class

Class 2

d. Valve Category

Not Applicable

2. ASME SECTION XI REQUIREMENT THAT HAS BEEN DETERMINED TO BE IMPRACTICAL:

ASME Boiler and Pressure Vessel Code Section IX, 1974 Edition--1975 Summer Addenda, Article IWC-5000, System Pressure Test.

3. BASIS FOR REQUESTING RELIEF

The modification to install a recirculation capability to the Unit 1 steam generators was completed at the end of the recent refueling outage. The ASME code testing requirements required a hydrostatic test of the butt-welds installed, a visual examination of the 3 inch welds and a visual and a random radiography of the 6 inch welds. To do the hydrostatic test would have required partial disassembly of the feedwater header around the circumference of the steam generator. This area is in the steam generator cavity and a high radiation area. The feedwater header would have had to have been blanked off with blind flanges to perform the hydrostatic test. Reassembly

3. Continued

of the header would have also needed to be accomplished following the test. It was estimated that an additional eight days of outage time, would have been required which would have delayed the startup of Unit 1. Work in the area of the feedwater header to install the blind flanges would have resulted in additional exposure to many personnel.

4. ALTERNATE EXAMINATION

As an alternate examination, each weld was 100% visual inspected and 100% radiographed. It is considered that the radiography conducted verifies the integrity of the welds.

5. IMPLEMENTATION

This alternate examination was performed following completion of the modification and prior to the startup of Unit 1.

System: OBA(1) UNIT 1 A.G./R.B.

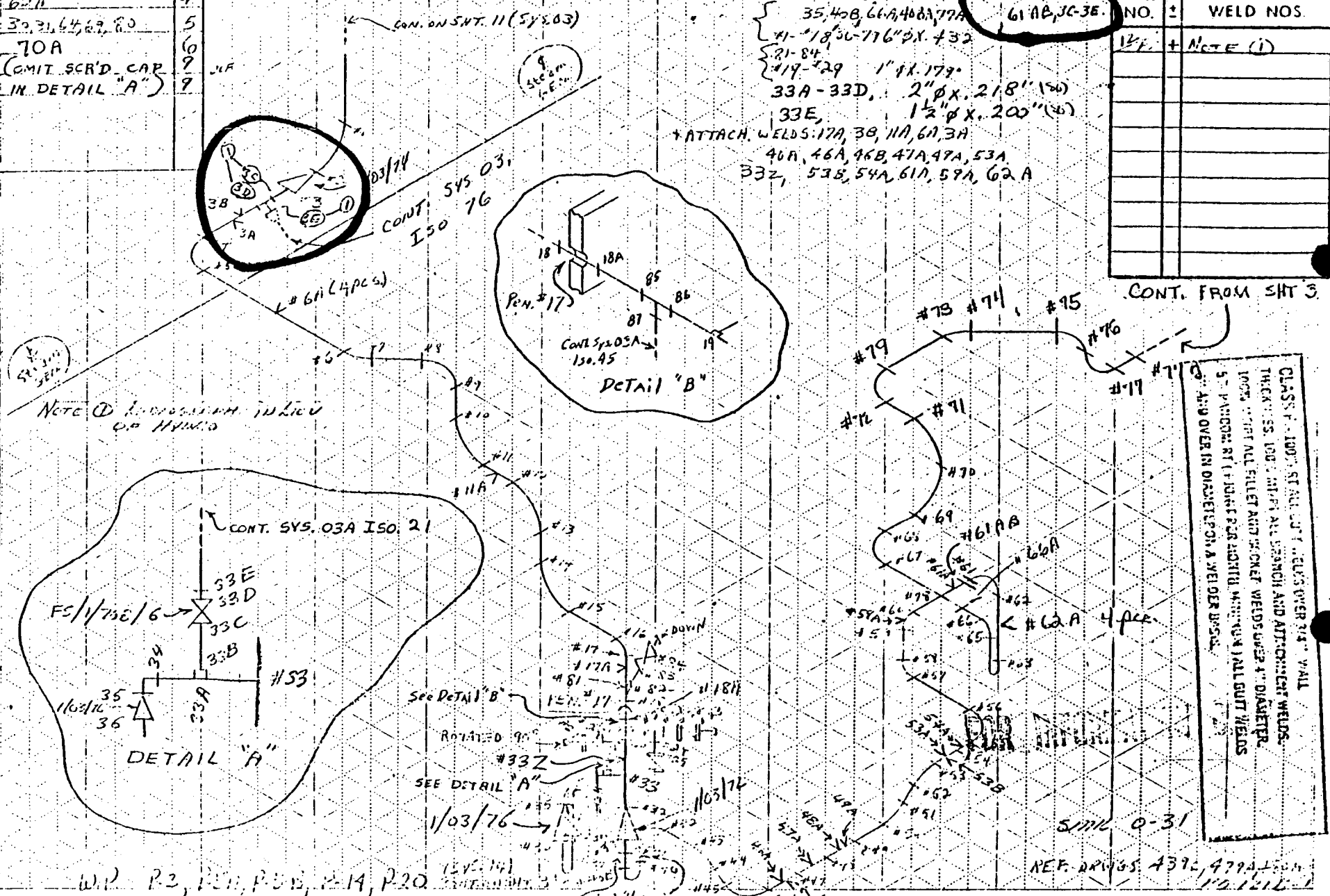
CLASS F

PARADISE CFE

SHEET 5 of

COMIT WELDS	
62A	4
30, 31, 44, 67, 68	5
70A	6
(COMIT SCR'D. CAP. IN DETAIL "A")	9
	9

ISO. REV. NO.	CHANGES	
	±	WELD NOS.
12E	+	NOTE (1)



CONT. FROM SHIT 3

CLASS F (100) ST ALL BUT WELDS OVER 1/4" DIA. ALL WELDS OVER 1/4" DIA. MUST BE FULL PENETRATION WELDS. ALL WELDS OVER 1/4" DIA. MUST BE FULL PENETRATION WELDS. ALL WELDS OVER 1/4" DIA. MUST BE FULL PENETRATION WELDS.

REF. DRWG'S: 437, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

REV. 12 9-7-78

NOTE: ALL WELDS PREPARED BY (T-1)  
 LAST WELD: 4-75.

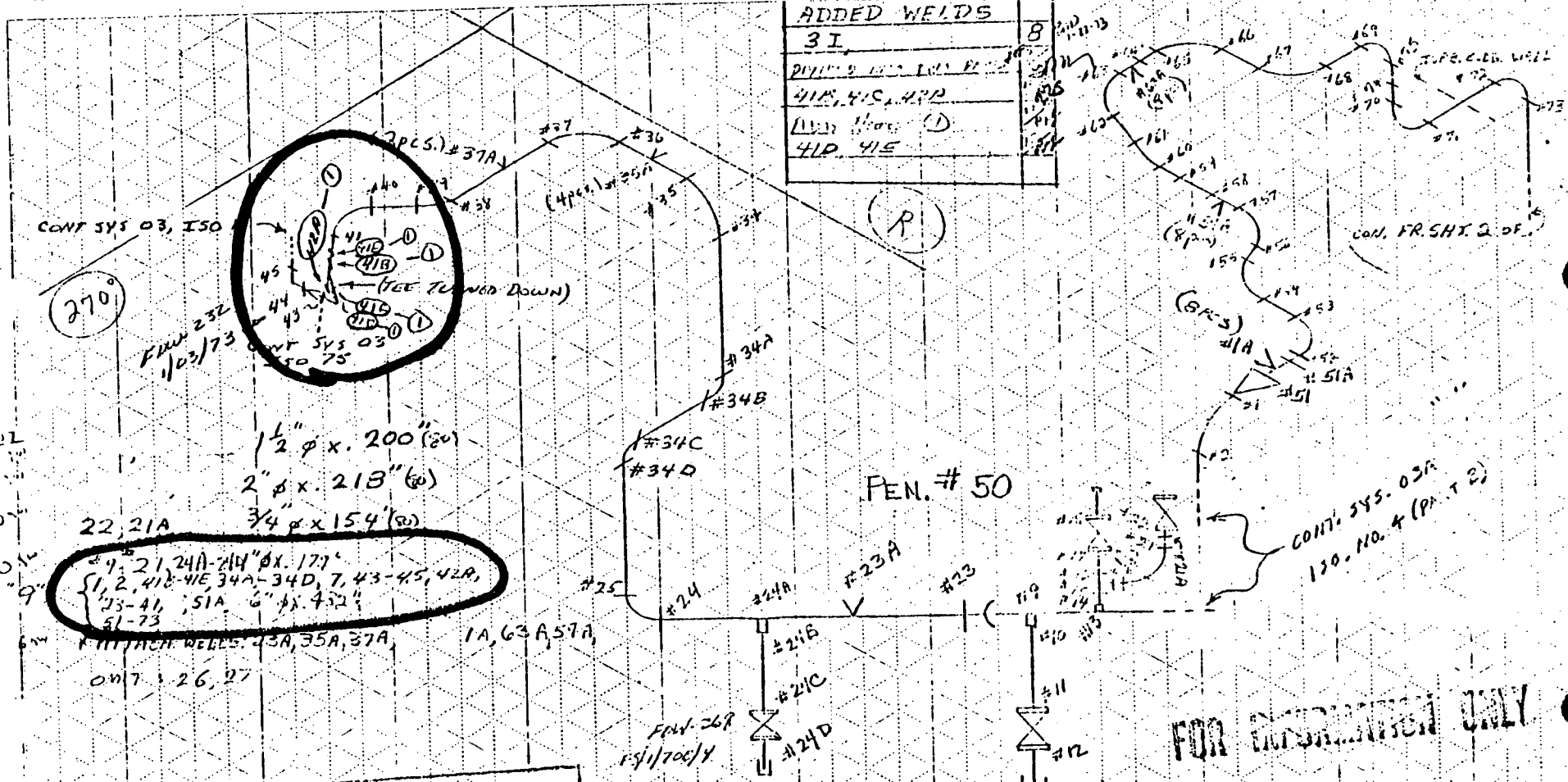
PART 1 OF 2  
 SHEET 4 OF 4

System # 03A(1) UNIT #1 H.B./R.E.

CLASS F

C.F.R.

PARADISE



ADDED WELDS	
3I	8
41E, 41C, 41D	
41D, 41E	

- 1/2" φ x 200" (SU)
- 2" φ x 213" (SU)
- 3/4" φ x 154" (SU)
- 4" φ x 21" 24A-24D, 171"
- 1, 2, 41E, 41C, 34A-34D, 7, 43-45, 42A, 41A, 51A, 6" φ x 432"
- 51-73
- ATTACH WELDS: 43A, 35A, 37A
- OMIT: 26, 27

CLASS F - 100% RT ALL BUTT WELDS OVER 3/4" WALL THICKNESS. 100% RT ALL BRANCH AND ATTACHMENT WELDS. 100% RT ALL FIELD AND SOCKET WELDS OVER 6" DIAMETER. 50% RT ON PT (1 JOINT PER MONTH MINIMUM) ALL BUTT WELDS 6" AND OVER IN DIAMETER ON A WELD R BASIS.

FOR INFORMATION ONLY

OMIT WELDS	ADDED WELDS
42A	3 23A, 23B, 27A
7, 28-33	4 15A, 16, 17, 51A, 51B
23A	5 31A
OMIT SCRIB CAP IN DETAIL A	7 51A, 23A (PREPARED)
3H	8 22, 21A
41A, 42	9 10A, 21A, 22, 21A, 3D-3H

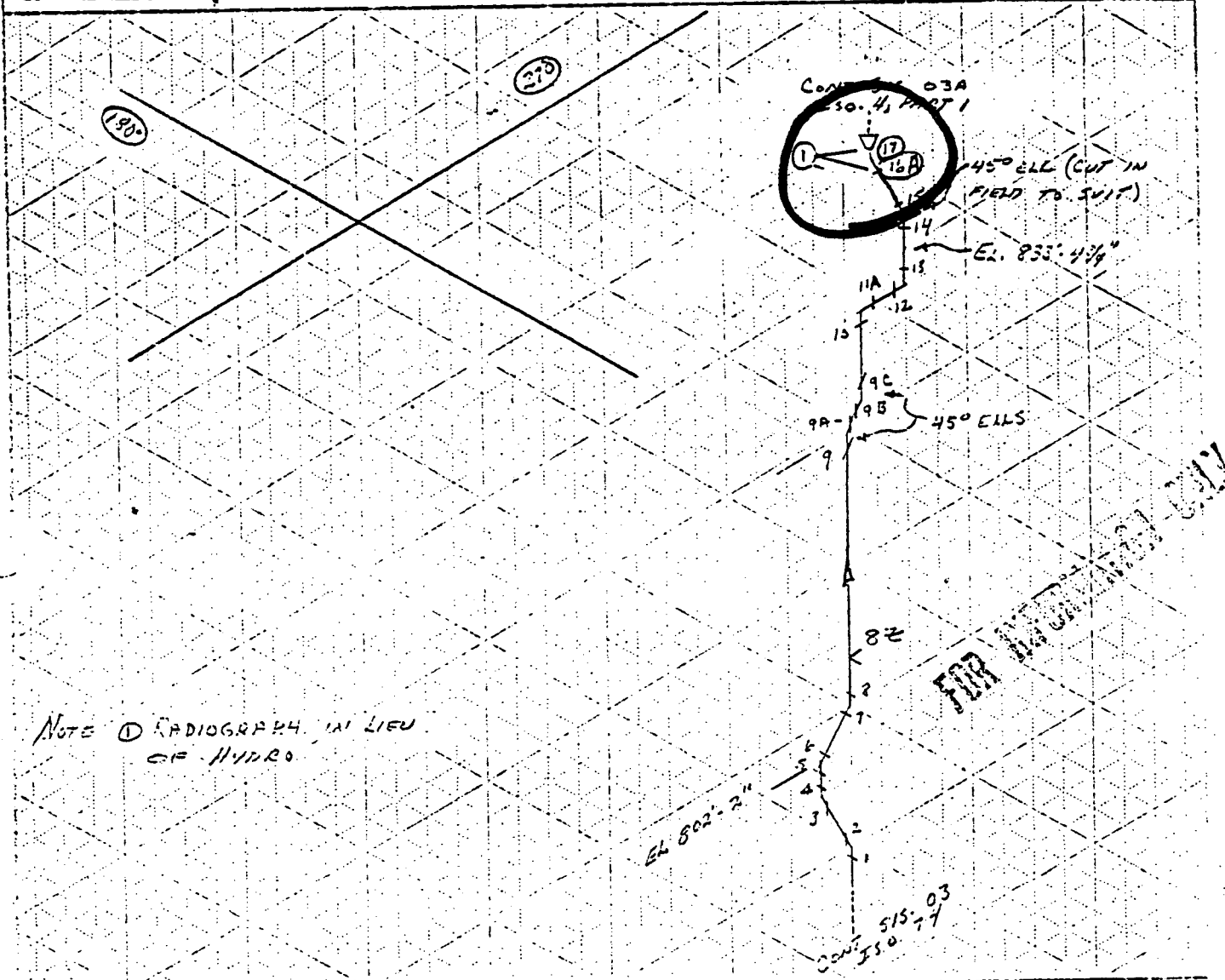
SOIB 0-31  
 10-1210-1  
 REF. DRAWING: 439A, 480A, D

NOTE: RADIOLINIA IN LIEU OF HILLING

LARRY WILKIE  
ED FEW

DUKE POWER COMPANY QT56 RECIRC PUMP -  
CONSTRUCTION DEPARTMENT DISCHARGE TO EMERGENCY  
**ISOMETRIC SKETCH** FDH. HDR.

PROJECT CCLINE SYSTEM 03 SUB SYSTEMS (1)(E) UNIT 1B ISO. NO. 75 REV. NO. 5  
CLASS F MATERIAL CFE WELDING PROCEDURE L-202 LAST WELD NO. 17 DATE 9/24/73



FOR INFORMATION ONLY

NOTE ① RADIOGRAPHY IN LIEU OF HYDRO

REV.	DATE	DESCRIPTION	WELD NUMBERS	ISO. NO.	CHANGES	ISO. NO.	CHANGES
					WELD NOS.		WELD NOS.
CHANGED	11/17	3" x 0.300	1-10, 9A-9C,	0	1 - 11		
CHANGED			12-15, 11B, 16A, 17		2 - 114		
CHANGED					3 - 117 + 15T, Note ①		
CHANGED					4 - 82		
					5 - 15T		
					5 - 15		
					1 - 16A		
		Attachment	82	6			

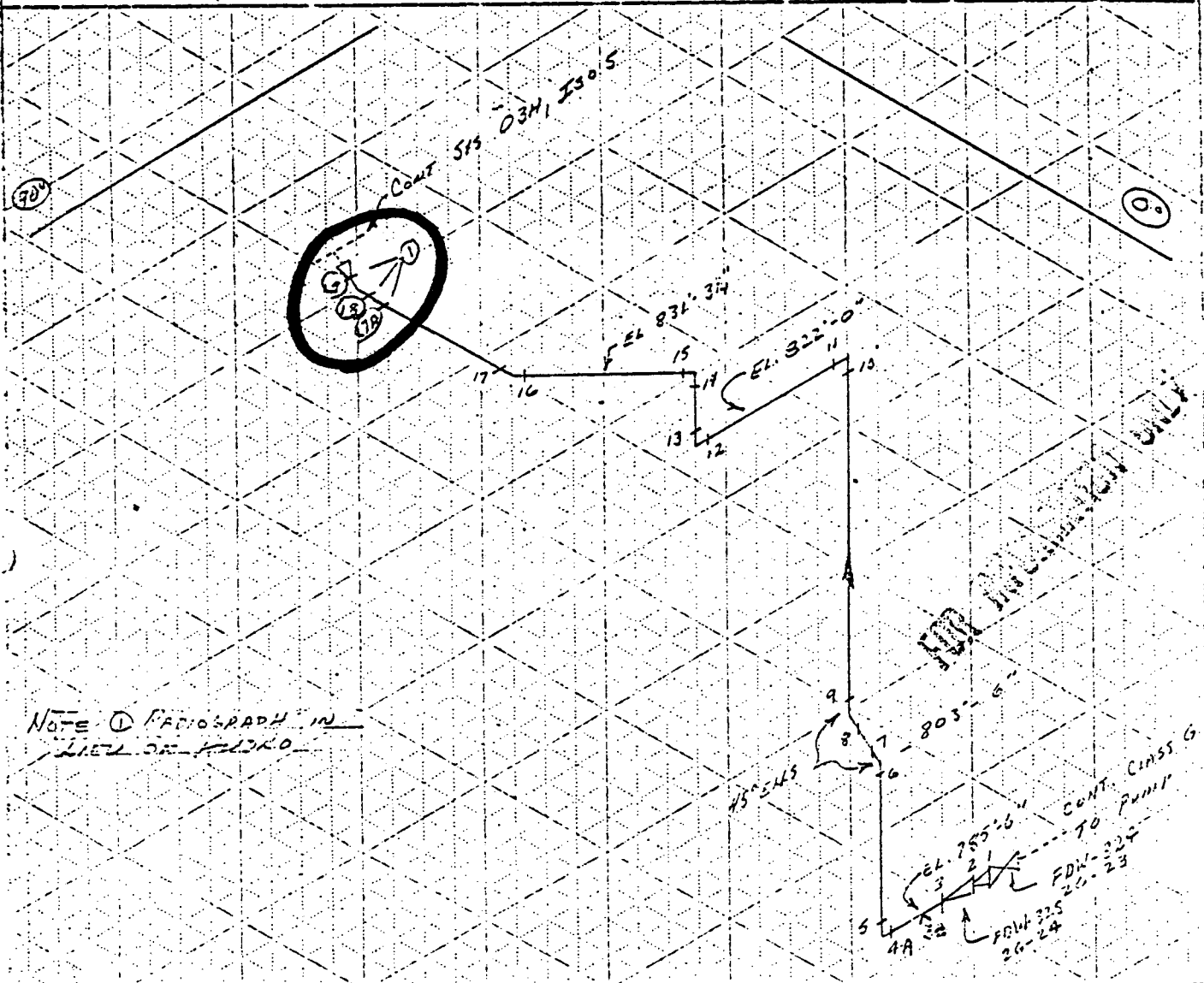
OK RAB 3-11-77

LANNY WILKIE  
ED. FEW

DUKE POWER COMPANY OTSG PEIPEC PUMP DISCHARGE  
CONSTRUCTION DEPARTMENT TO EMERGENCY EDW. HD.

ISOMETRIC SKETCH

PROJECT OCONEE SYSTEM 03 SUB SYSTEMS (1)(E) UNIT 1RB ISO. NO. 76 REV. NO. 4  
CLASS F MATERIAL CFE WELDING PROCEDURE L-301 LAST WELD NO. 19 DATE 9/23/78



NOTE: (1) RADIOGRAPH IN AREA OF WELD

DATE	SIZE & WALL THICKNESS	WELD NUMBERS	WELD CODE	CHANGED WELD NOS.	REV. NO.	CHANGED WELD NOS.
0-4774A	1 1/2" 3" Ø X 0.306"	2-2, 4, 5-12, 17A	0	1 + 4A, 3E		
0-478D				1 PTX - 4		
0-479A				2 CORRECTION WDT CODE FOR WELD 3E		
0-480A	4" Ø X 0.375"	1	0	3 PTX - 17T, NOTE (1)		
0-481A	ATTACHED	3E	6	4 PTX - 17T		
				5 PTX - 17A		