BILL OF MATERIALS

ITM	QTY	SIZE	DESCRIPTION
			PS 151.9
A	5'	10	PIPE SMLS: SB-690 N-08367 SCH. 40
B	2	10	TEE BW SB-366 WP-6XN SCH 40
C	1	10	90° LR ELL BW SB-366 WP-6XN SCH 40
D	6	10	FLANGE WN SB-462 N-08367 150# RF
E	0	4	PIPE SMLS:SB690 EFW:SB675 N08367 SCH 40
F			
G	1	2	H/CPLG SW SB-462 N-08367 3000 LB
H	1	2	PIPE SMLS: SB-690 EFW: SB-675 N-08367 SCH 40
J	1	2	90° ELL SW SB-462 N-08367 3000 LB
K	12	7/8" X5"	STUDS AS SA193 B7
L	48	7/8"	HEX NUTS CS SA194 2H
M	12	7/8" X8"	STUDS AS SA193 B7
N	48	7/8" X2¾"	BOLTS AS SA193 B7
P			
R			
S			
T			
U			
V			PS 150.5
W	1	10	FLANGE WN RF CS SA105/150# SCH 40
X	0	10	PIPE CS SA106 SMLS SCH 40
Y			
Z			
AA			
BB			
CC			
DD			
EE			
FF			
GG			
HH			
JJ			
KK			

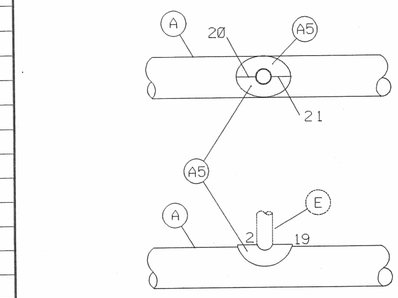
SPECIALS

A1	1	10	90° SR ELL BW SB-366 WP-6XN 10" DIA
A2	6	10	10" INSULATING FLANGE KIT 150#
A3	1	2	2" PIPE SA-312 TP304 SCH 80 POE/TOE
A4	1	2	2" PIPE CAP THD A-105 3000 LB
A5	1	½	REINFORCING PAD (SEE NOTE 3)
A6			
A7			
A8			
A9			
A10			

S/R STATUS

SUPPORT NO.	ISO. REV.	COMMENTS	QA COND.
2-R-RN-240	5	SUPPORT ADDED	1

7A



DETAIL 'B'

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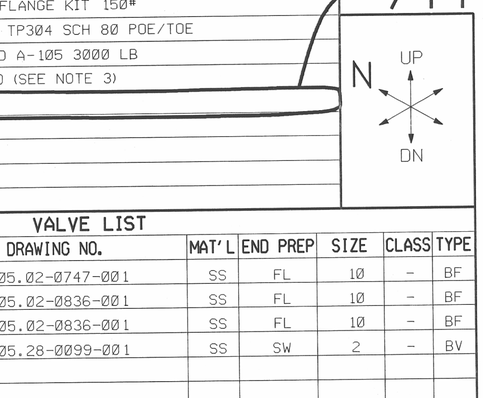


VALVE LIST

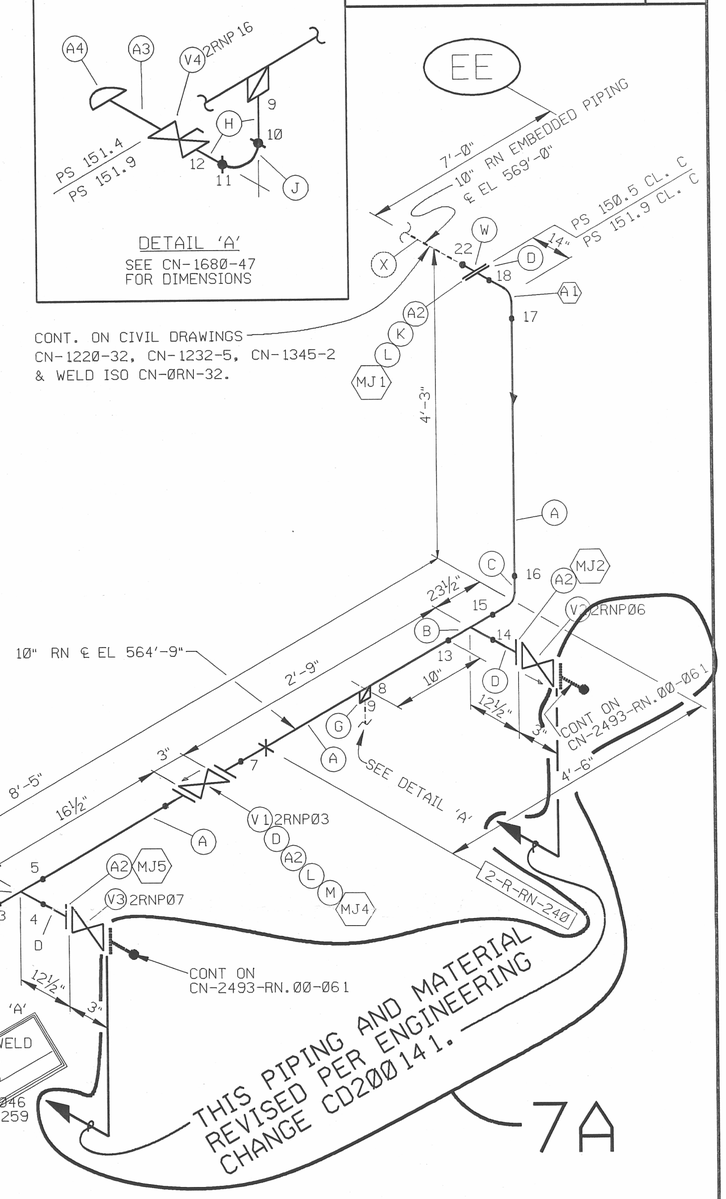
	VALVE NO.	ITEM NO.	DRAWING NO.	MAT'L	END PREP	SIZE	CLASS	TYPE
V1	2RNP03	05B-508	CNM-1205.02-0747-001	SS	FL	10	-	BF
V2	2RNP06	05B-548	CNM-1205.02-0836-001	SS	FL	10	-	BF
V3	2RNP07	05B-548	CNM-1205.02-0836-001	SS	FL	10	-	BF
V4	2RNP16	05D-200	CNM-1205.28-0099-001	SS	SW	2	-	BV
V5								
V6								
V7								

NOTES:	SPEC.:
1. REF. FLOW DIA.: CN-1574-1.1	PIPE SPEC.: 150.3, 151.4, 151.9
2. ALL WELD, MECH. JT. AND THR'D. JT. NUMBERS SHALL	PIPE CLASS: C
BE PRECEDED BY: 2493RN40- EXCEPT AS NOTED.	TEMP.: 150°F
3. REINFORCEMENT REQUIRED. FABRICATE REINFORCEMENT	PRESS.: 130 PSIA
PAD FROM ½" THK. PLATE WD SB688 N08367 HOT ROLLED	LAST WELD NO.: 18
CODE C, ID=4.5", OD=8.5".	
4. WELD 2493RN40-22 WAS PREVIOUSLY WELD 2RN15-1	

ERN: CN000SKN

DWG.NO. CN-2493-RN.00-040 REV. 7A

DETAIL 'A'
SEE CN-1680-47
FOR DIMENSIONS



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REVISED PER ENGINEERING CHANGE: CD200154

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QA CONDITION 1

NO.	REVISIONS	DRN DATE	CHKD PDG	CHKD B/M	APPR	DATE	CIVIL	S/R	MECH
							INSPECTED		
7A	REV PER CD200154	CDO 11-8-05	KJB 11-8-05	KJB 11-8-05	RGW	11-10 05	RCL	RCL	WPJ
7	REV PER CE-8295, IMP 05-08-97	JKB 11-4-97	RSF 11-8-97	KJB 11-10-97	WEH	97	RFK	RFK	RFK
ORIG.	ORIGINAL DRAWING RETIRED								

DUKE POWER COMPANY

CATAWBA NUCLEAR STATION UNIT 2

DIESEL GENERATOR BUILDING

NUCLEAR SERVICE WATER SYSTEM

(RN) 2A

J.M. WARREN

DESIGNER HUFFSTICKLER DATE 03-17-80 INSP WAIVED DATE

DRAWN C.L.COOK DATE 03-13-80 INSP WAIVED DATE

CHKD B/M P.L.CROXTON DATE 03-25-80 APPR C.W.BOYD DATE 03-26-80

CHKD PDG S.HASTY DATE 03-13-80

DWG.NO. CN-2493-RN.00-040 REV 7A

D-04