

NUCLEAR SAFETY RELATED

DUKE POWER COMPANY  
CATAMBA NUCLEAR STATION  
UNIT 2  
STATUS: CERTIFIED FOR CONSTRUCTION  
LETTER NO. CATAMBA-189  
AUTHORITY: W. D. WOODSON  
EMER. I.T.R. NO. ME-PO-5036

PLANT: CATAMBA NUCLEAR STATION  
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CNM 1201-01-50 13A

SIZE	L RUN TO END OF NOZZLE ± 1/8"	MACHINING DATA (INCHES)								NOM. SCH.	NOM. WALL THK.	① MIN.	② MIN.	③ MIN.
		A	B	C	D	E	F	G	H					
5" ON 27 1/2"	21 1/16"	6.700	3.500	2.692	2.692	1 7/8	3 1/16	5 5/16	5 3/8	160	.438	.221	1.106	1.131
5" ON 27 1/2"	23 1/16"				2.624							.221		
5" ON 31"	23 1/16"				2.654							.248	1.241	
4" ON 27 1/2"	21 1/2"	7.270	4.900	3.580	3.480	2 1/8	3 1/8	5 3/8	5 1/2	160	.531	.221	1.230	1.279
6" ON 27 1/2"	2'-2 5/16"	10.187	6.625	5.327	5.189	3 1/2	4	12 5/8	13 5/8	160	.718	.221	1.374	1.235
6" ON 27 1/2" W.T.S.					5.317							.221		
6" ON 29"	2'-3 3/16"	10.187	6.625	5.327	5.189	3 3/4	4	12 3/4	13 1/4	160	.718	.233	2.000	1.238
10" ON 27 1/2" W.T.S.	2'-5"	13.211	10.730	8.959	8.959	4 1/4	5 1/4	15 1/8	17 1/8	140	1.000	.221	2.433	1.574
10" ON 27 1/2"					8.780							.221		
12" ON 27 1/2" W.T.S.	2'-6 1/4"	17.042	12.710	10.740	10.740	5 1/2	6 1/2	16 3/8	19 1/8	140	1.125	.221	2.526	1.726
12" ON 27 1/2"					10.500							.221		
14" ON 29"	2'-7 1/4"				10.500							.233	2.346	
14" ON 29"	2'-8 1/4"	18.235	14.000	11.771	11.500	6 1/4	7 1/4	18 3/8	21 1/8	140	1.250	.233	2.363	1.694
14" ON 29" W.T.S.	2'-8 1/4"			11.499	11.499	12 3/4	15 1/8	18 3/8	21 1/8	160	1.406	.233	2.660	

SEE DET. 'A'

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APPROVED  
DUKE POWER CO.  
DATE: JUL 26 1974  
S. E. BLACKLEY, JR.  
CHIEF ENGINEER  
By: MECHANICAL DIVISION

NOTES:

- FOR THERMAL SLEEVES (T.S.) BORE THE ③ DIMENSION THE FULL LENGTH OF THE NOZZLE.
- MATERIAL: SA-182 F304N FOR 6" & LARGER, SA-182 F304N OR F316 FOR 4" & SMALLER. (0.20% MAX. COBALT) (100% U.T.) (EXT. ACCESSIBLE SURF.) 250 RMS MAX. FINISH.

APR 1 1974  
DUKE POWER COMPANY  
DESIGN ENGINEERING

TERA APERTURE CARD

NOM. I.D.	I.D.	O.D.
27 1/2"	27.65	32.07
29"	29.15	33.57
31"	31.15	36.11
31"	30.90	36.34

DETAIL 'A' WELD BEVEL DETAIL

A.S.M.E. SECTION III CLASS 1 BUTT WELDING NOZZLES

REVISIONS:

NO.	REVISION	CHECKED	DATE
1	REVISE NOTE 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100		

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SEMPRESS FABRICATING & WELDING CO. P.O. BOX 9409 HOUSTON, TEXAS 77011 713-528-1951

MANHOUSER ELECTRIC CORP. AS LISTED ABOVE

8112890236

AS LISTED UNIT NO 3A



Rids

8112090236

