



ANSTEC APERTURE CARD

OAT JOB NO.	ITEM NO.	SPIN NO.	PLANT	NO REQ'D
J-2267-3	RS-707	RHAHRS	DCP D3P	(2) EA PLANT

(8) HOLES 2 1/4" Ø EQ. SPC'D STRADDLE C ON 49 1/2" B.C. FOR 2" A-36 ANCHOR BOLTS

NUCLEAR SAFETY RELATED

FOR INFORMATION ONLY

LOADING MODE	VERT ACCN	HORIZ ACCN	BASE MOMENT $\times 10^{-3}$ INCH	BASE REACTION	BASE SHEAR $\times 10^{-6}$ INCH	BASE TORQUE $\times 10^{-6}$ INCH	TOP REACTION*
FAULTED	1.0	1.5	5.79	118480	61515	1.777	66755
UPSET	0.5	0.15	2.90	81740	30757	.888	33378
NORMAL	0	0	.727	52120	10148	.443	5045

DOCUMENT CONTROL DATE
JUL 7 1976
DUKE POWER COMPANY DESIGN ENGINEERING

CNN 1201-06-38

APPROVED
DUKE POWER CO
JUL 10 1976

TUBESIDE DESIGNED PER NC-3200 ALTERNATE RULES
TUBESIDE HYDRO TEST-803 PSIG
SHELL SIDE HYDRO TEST-225 PSIG

MATERIAL
SHELL SIDE C/S
TUBE SIDE 304 S/S

CLASSIFICATION
ASME CODE SECT III
CLASS-3 SHELL SIDE
CLASS-2 TUBE SIDE

NOTE: TUBESIDE FLOW MAY BE REVERSED

WEIGHTS
EMPTY - 27,000*
FLOODED - 45,000*
BUNDLE - 14,500*

* - WELD PREP FOR 4" SCH 40 PIPE

MARK	SIZE	SCH	RATING	PURPOSE	REMARKS
H	3/4"		3000# SW	SIZE IN FLG	TUBE VENT (3) REQ'D
G	3/4"		3000# SW	CPLG	TUBE DRAIN (3) REQ'D
F	3/4"			NPT	SHELL DRAIN N/PLUG
E	3/4"		3000#	THRD CPLG	SHELL VENT
D	18"	3/8" WALL	150#	WNRF	SHELL OUT
C	18"	3/8" WALL	150#	WNRF	SHELL IN
B	13 1/2"	3/8" WALL			TUBE OUT B.O.E
A	13 1/2"	3/8" WALL			TUBE IN B.O.E

PLANT: CATANBA NUCLEAR STATION
UNITS: 1 AND 2
STATUS: CERTIFIED FOR CONSTRUCTION
AUTHORITY: R. S. HOWARD
CERTIFICATION LETTER NO. CATANBA-271
ENGR. LTR. NO. EP/SA-12603

CNN 1201-06-38

DATE	REVISION	BY	APPROVED
6-3-76	ADDED ANCHOR BOLT INFO. FM A		

JOSEPH OAT CORP.
CHEMICAL ENGINEERS/DESIGNERS/FABRICATORS
EST. 1788 CAMDEN, NEW JERSEY 08104

REF. NO.	JOB NO.
P.O. NO. 546-AAZ-215350	J-2267-3
DRAWN: F.McA DATE: 10-15-75	NO. REQ'D: (4)
CHECKED: DATE: 10-23-75	DRAWING NO. 5742
APPROVED: DATE: 10-23-75	REV 1

PDR RIDS

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