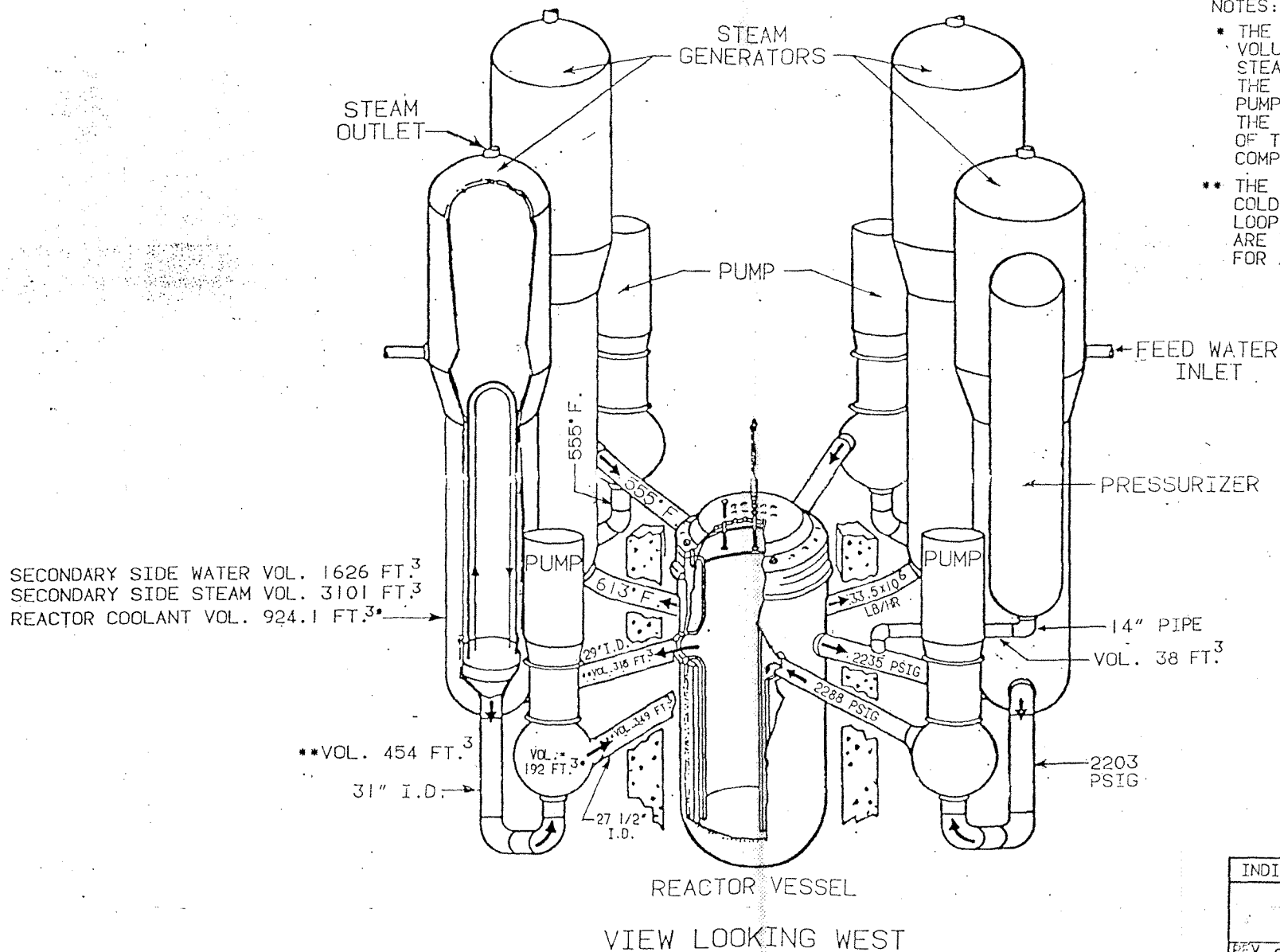


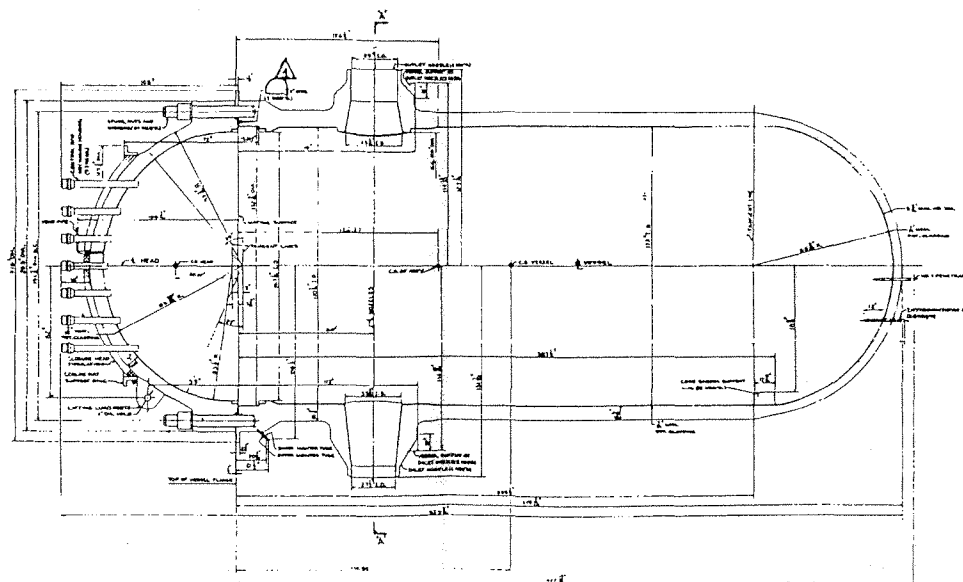
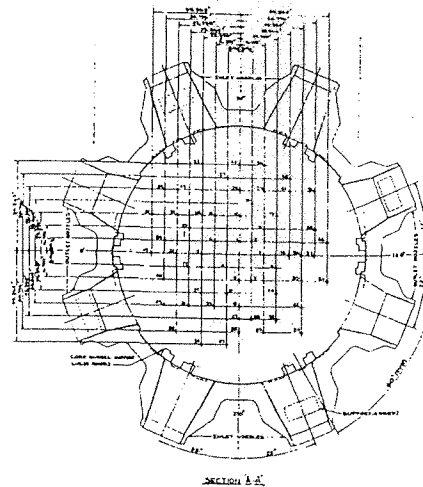
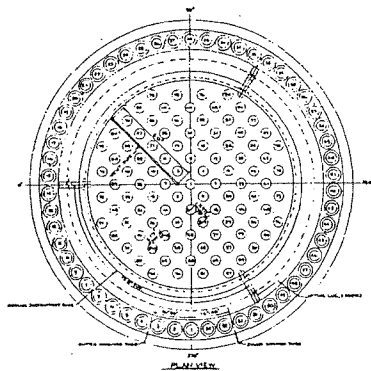


NOTES:

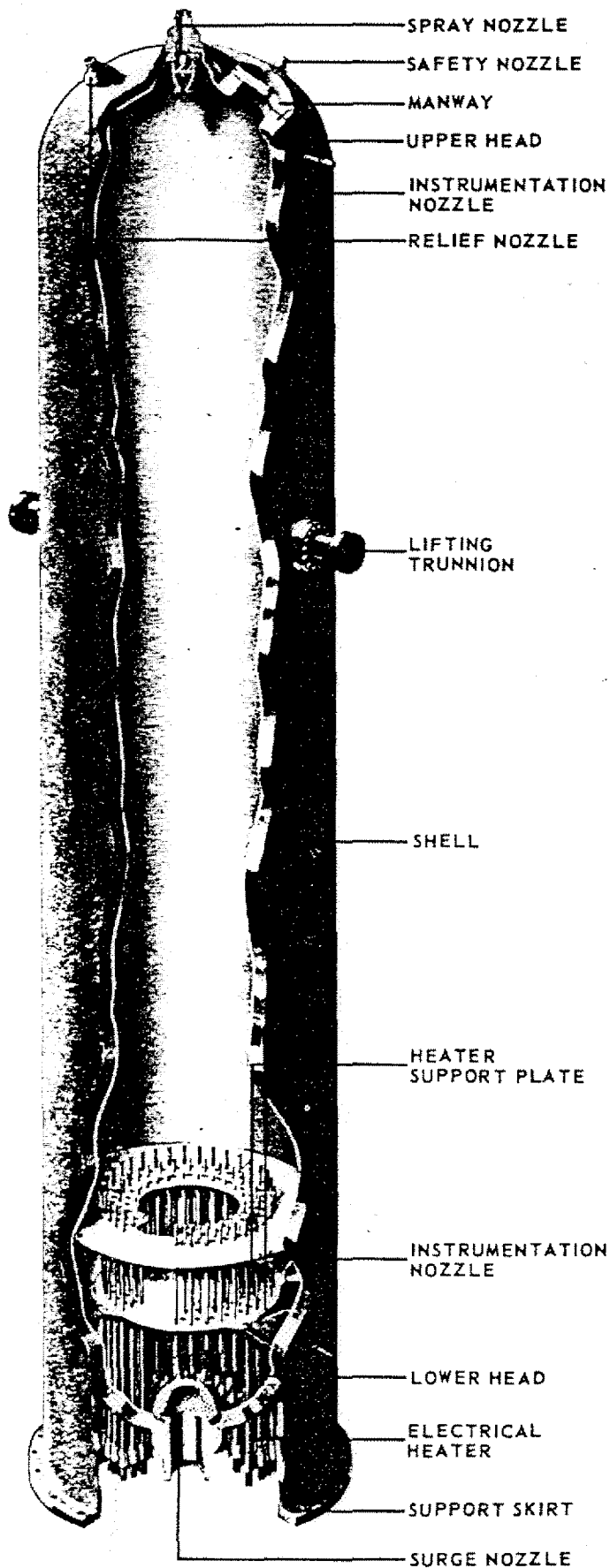
* THE REACTOR COOLANT VOLUME SHOWN FOR THE STEAM GENERATOR AND THE REACTOR COOLANT PUMP VOLUME SHOWN ARE THE VOLUMES FOR EACH OF THE FOUR RESPECTIVE COMPONENTS.

** THE HOT LEG VOLUME, COLD LEG VOLUME AND LOOP SEAL VOLUME SHOWN ARE THE COMBINED VOLUMES FOR ALL FOUR LOOPS.

INDIAN POINT 3	FSAR UPDATE
FLOW DIAGRAM REACTOR COOLANT SYSTEM SCHEMATIC	
REV. 2, JULY, 1991	FIGURE NO. 4.2-2

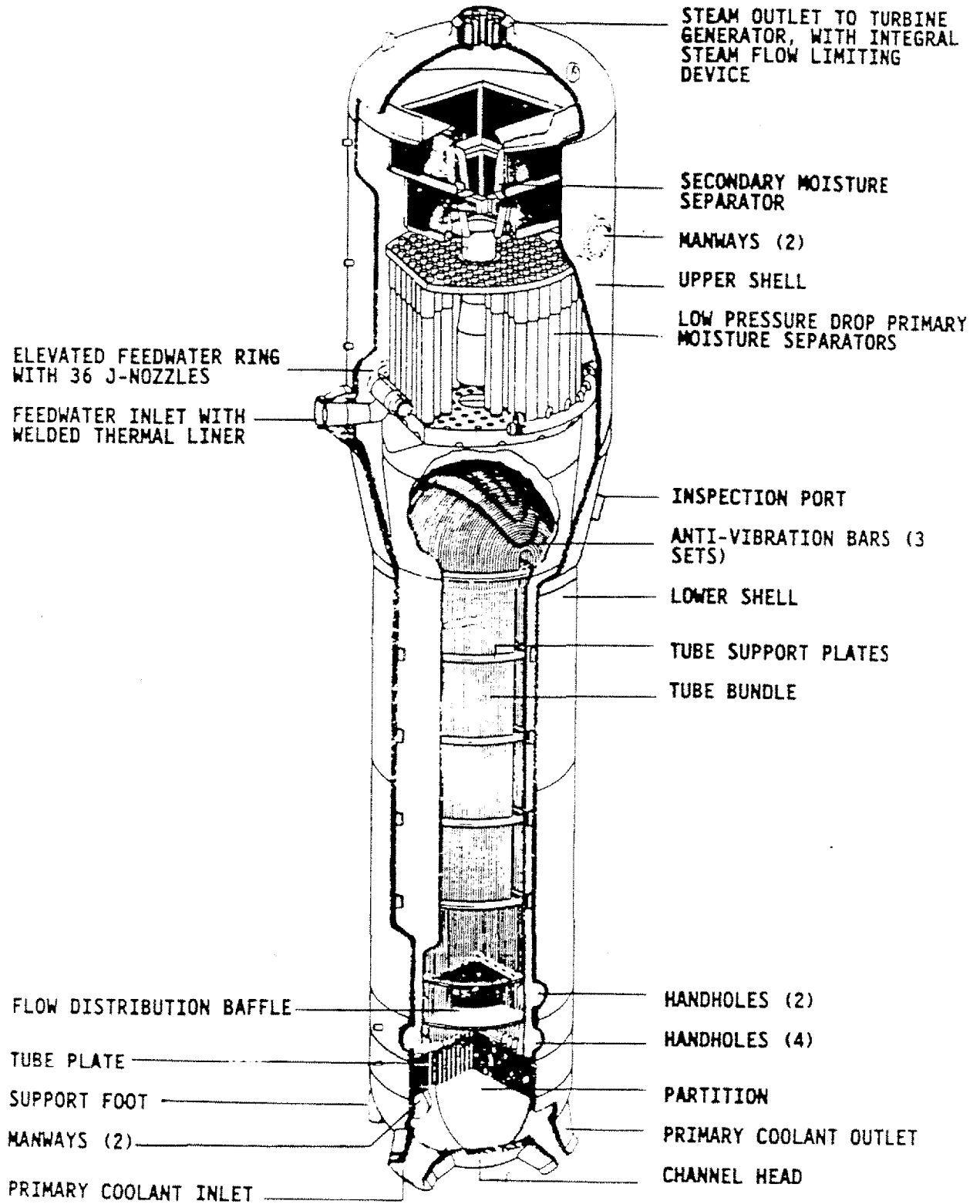


INDIAN POINT 3	FSAR UPDATE
REACTOR VESSEL	
REV. 1	DEC 1995 FIGURE NO. 4.2-3

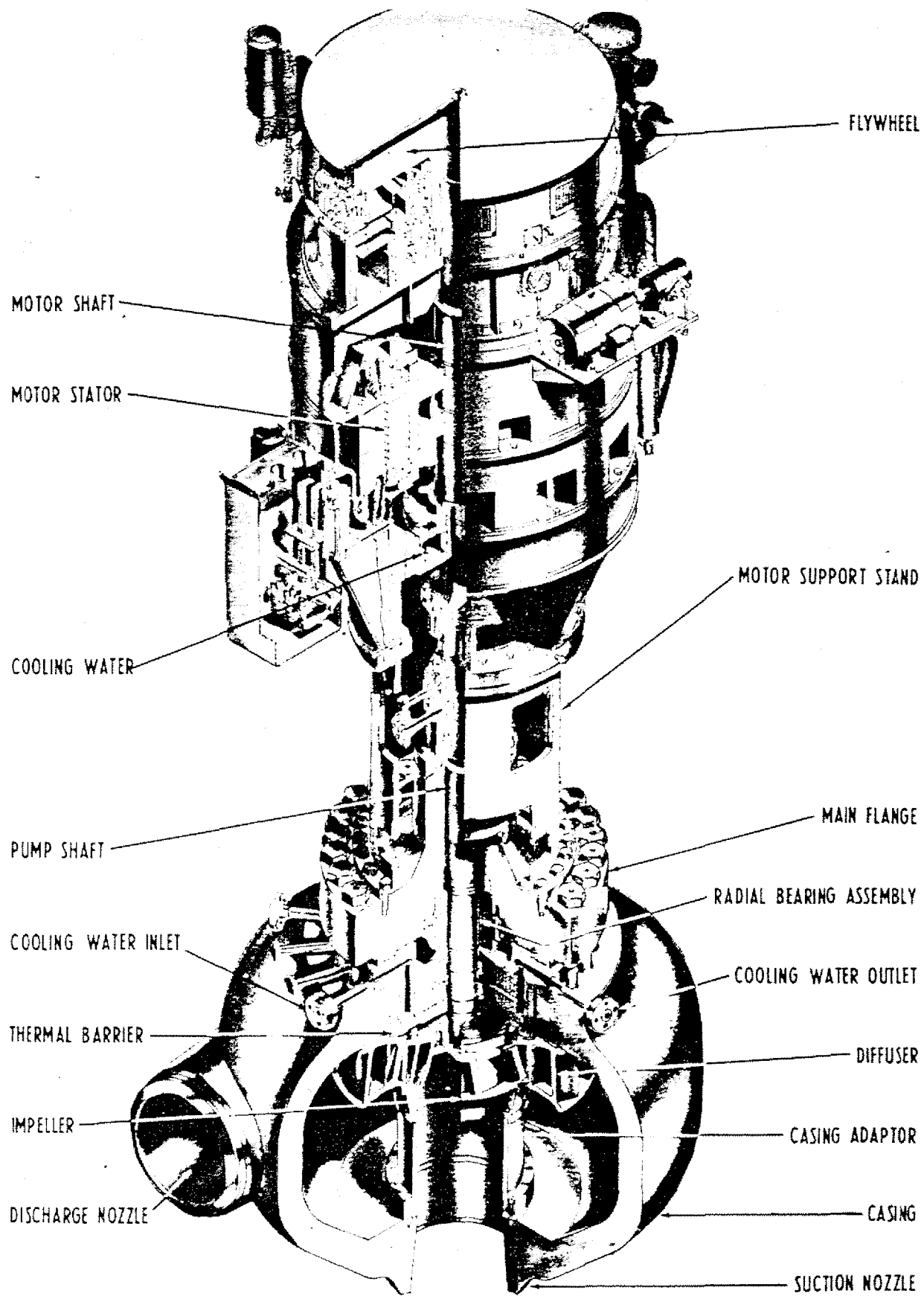


INDIAN POINT 3	FSAR UPDATE
PRESSURIZER	
REV. 0	JULY, 1982 FIGURE NO. 4.2-4

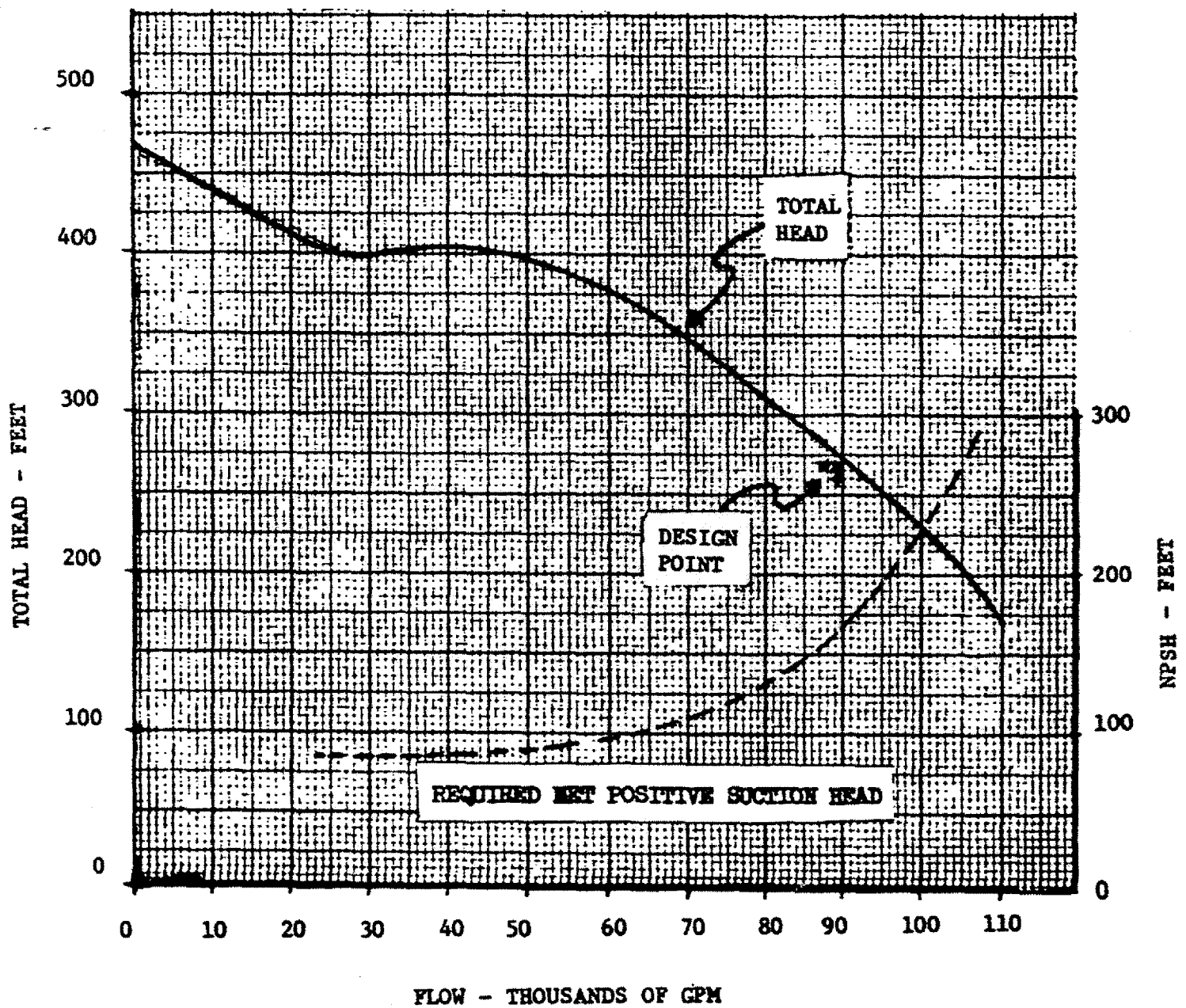
MODEL 44F



INDIAN POINT 3		FSAR UPDATE	
STEAM GENERATOR			
REV. 1	JULY 1990	FIGURE NO	42-5



INDIAN POINT 3		FSAR UPDATE	
REACTOR COOLANT PUMP			
REV D	JULY, 1982	FIGURE NO	4.2-6

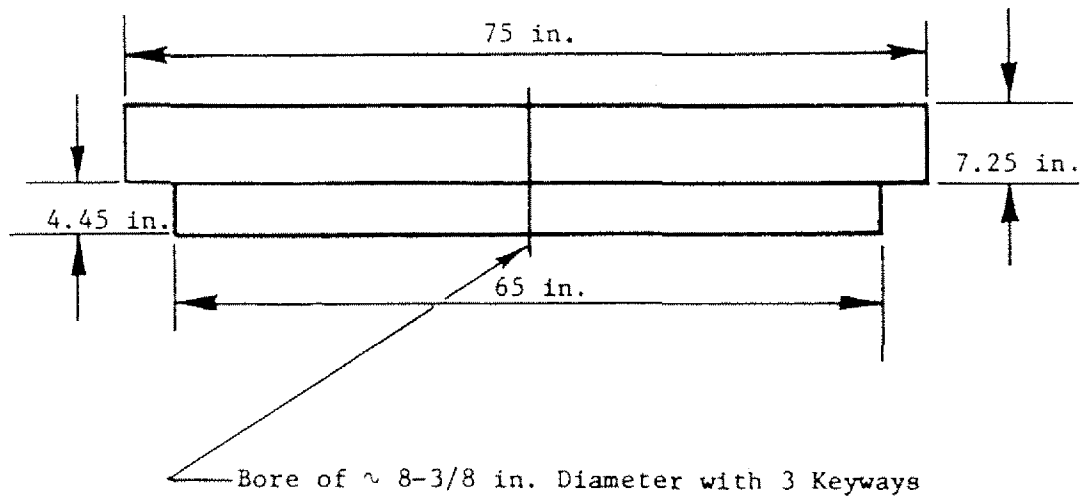


INDIAN POINT 3 FSAR UPDATE

REACTOR COOLANT PUMP
ESTIMATED PERFORMANCE CHARACTERISTIC

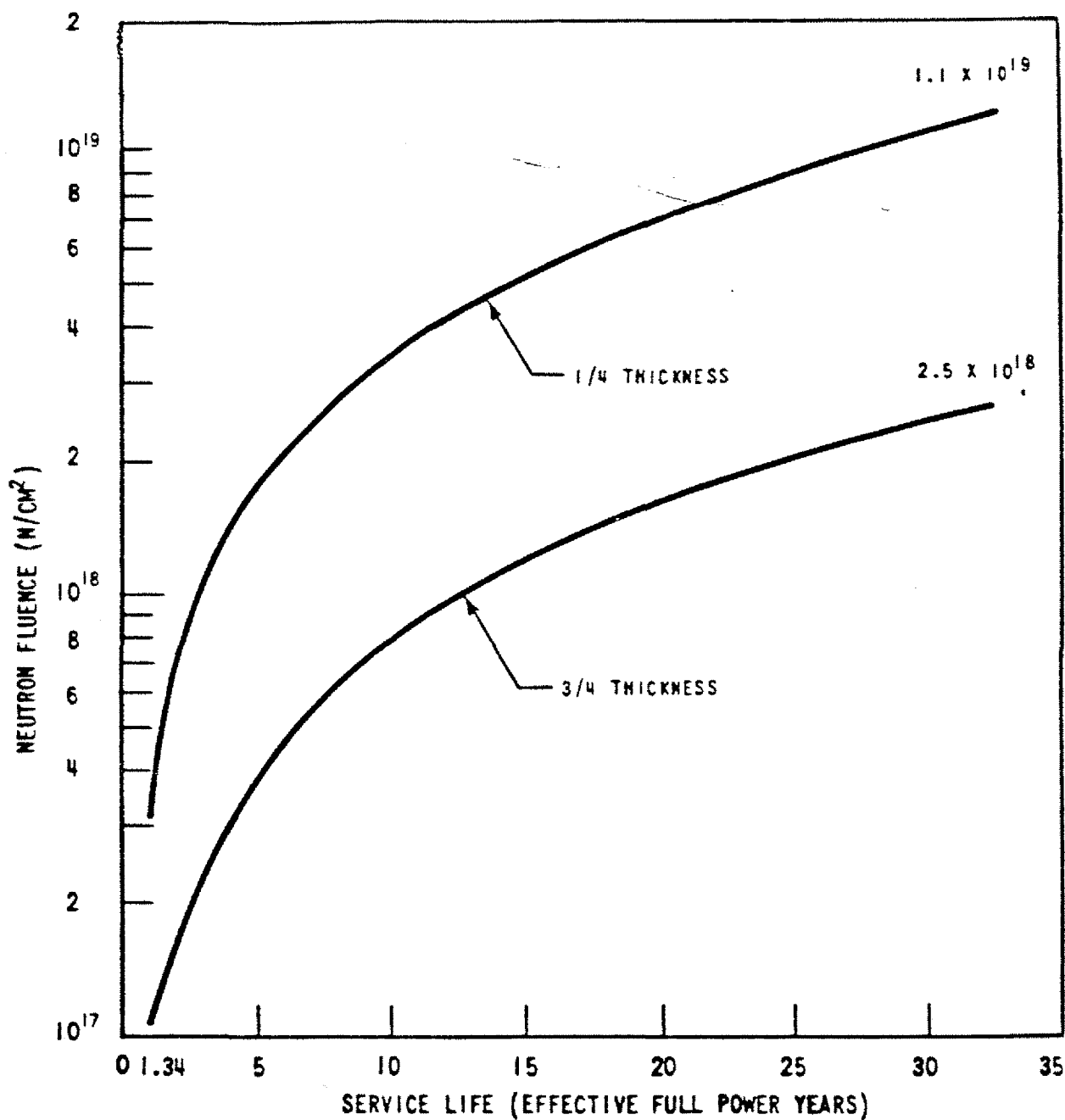
REV. 1 JUN 2000 FIGURE 4.2-7

FLYWHEEL



NOTE: The plates are bolted together with the bolts aligned perpendicular to the planes of the plates

INDIAN POINT 3		FSAR UPDATE
PRIMARY COOLANT PUMP FLYWHEELS		
REV. 0	JULY, 1982	FIGURE NO. 4.2-8



NOTE:

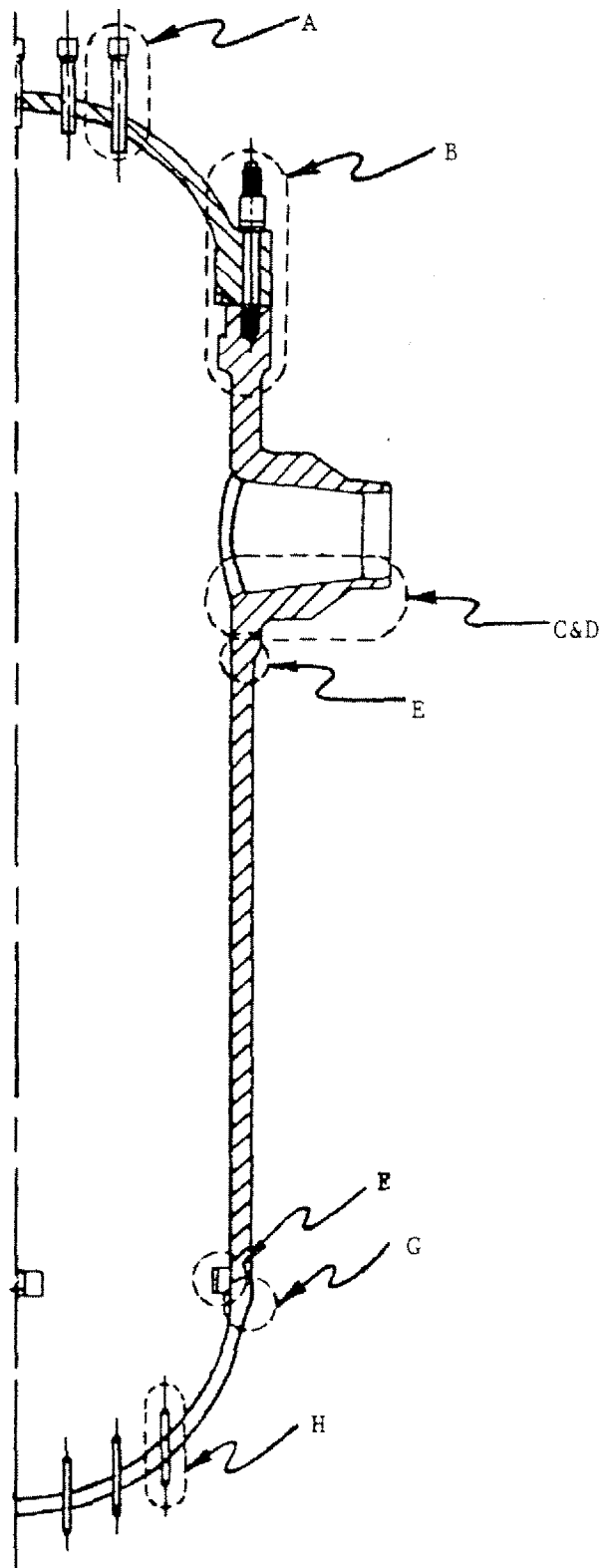
THIS FIGURE DOES NOT TAKE INTO ACCOUNT THE CONSERVATIVE EFFECTS OF LOW-LEAKAGE CORE DESIGN THAT WERE IMPLEMENTED IN AND BEYOND CYCLE 6.

INDIAN POINT 3 FSAR UPDATE

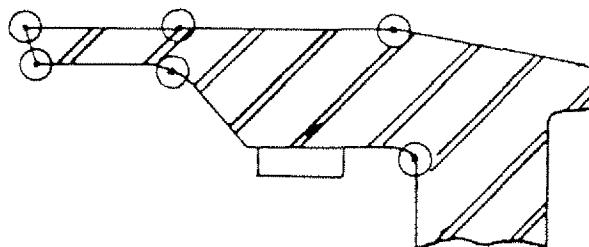
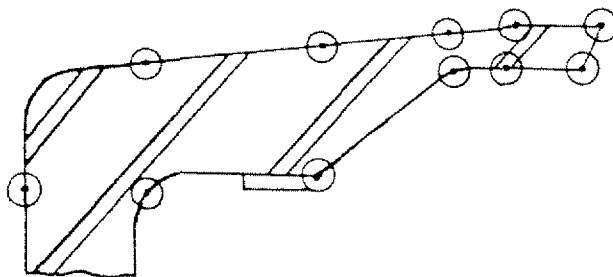
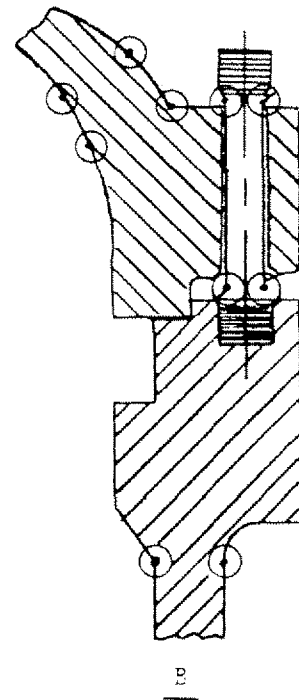
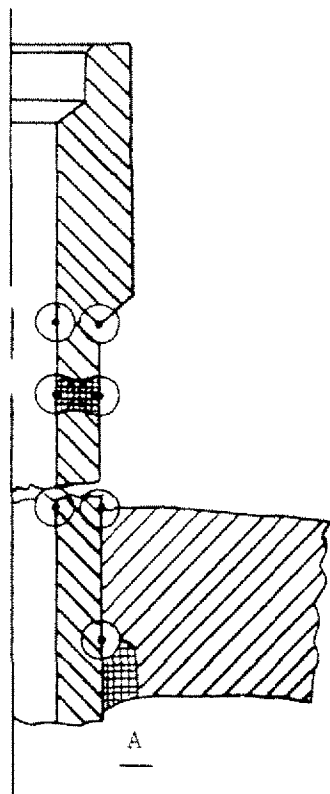
FAST NEUTRON FLUENCE ($E > 1\text{MeV}$)
AS A FUNCTION OF
FULL POWER SERVICE LIFE

REV. 1 JUN. 1999

FIG. 4.2-10

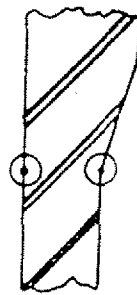


INDIAN POINT 3	FSAR UPDATE
REACTOR VESSEL LONGITUDINAL SECTION LOCATION RV ANALYSIS	
REV. 0	JULY, 1982 FIGURE NO. 4.3-1

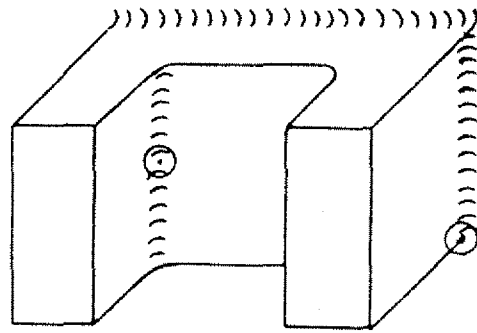


NOT TO SCALE

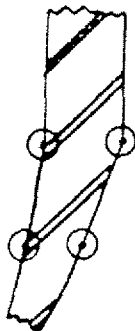
INDIAN POINT 3		FSAR UPDATE
LOCATION OF RV ANALYSIS UPPER VIEW		
REV. 0	JULY, 1982	FIGURE NO. 4.3-2



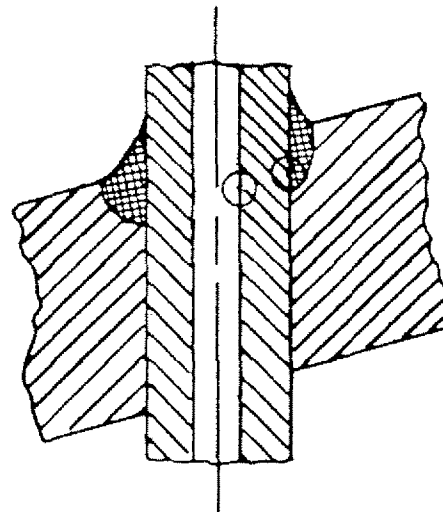
E



F



G

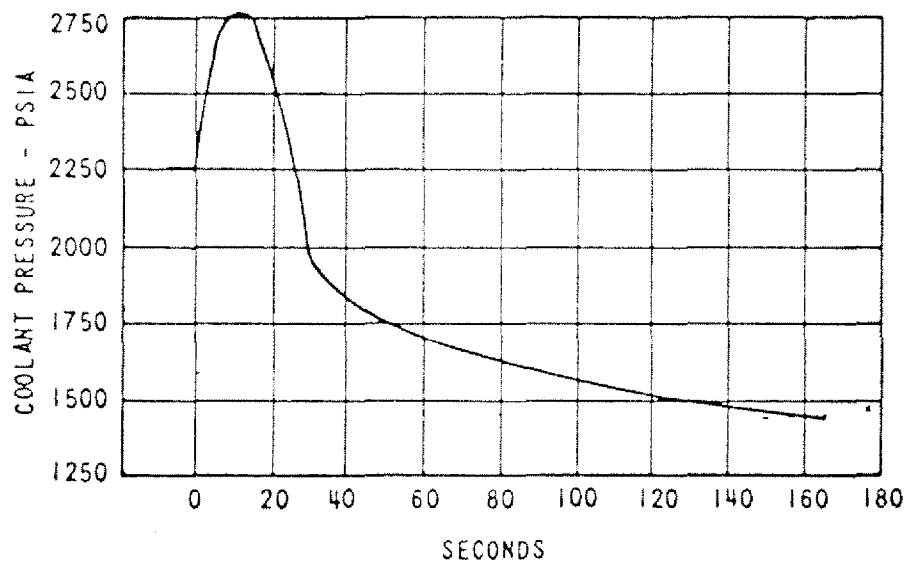
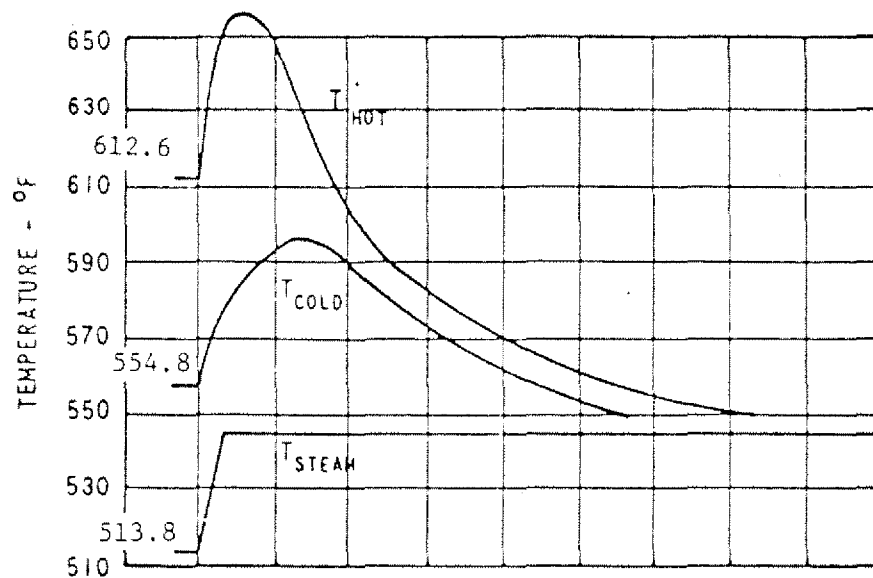


H

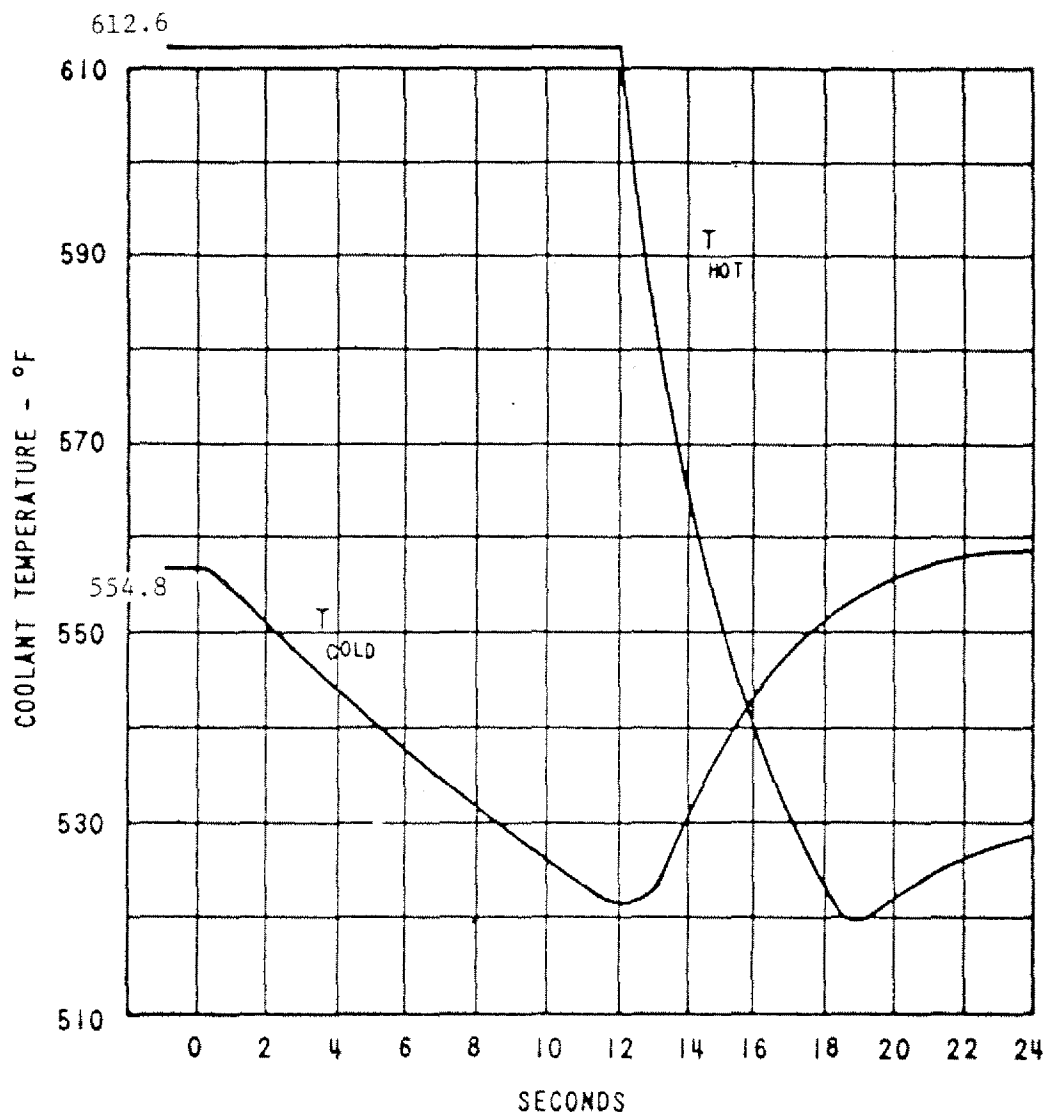
NOTE:

THE POINTS CIRCLED IN THE SKETCHES REPRESENT THE GENERAL LOCATION AND GEOMETRY OF THE AREAS OF DISCONTINUITY AND/OR STRESS CONCENTRATION.

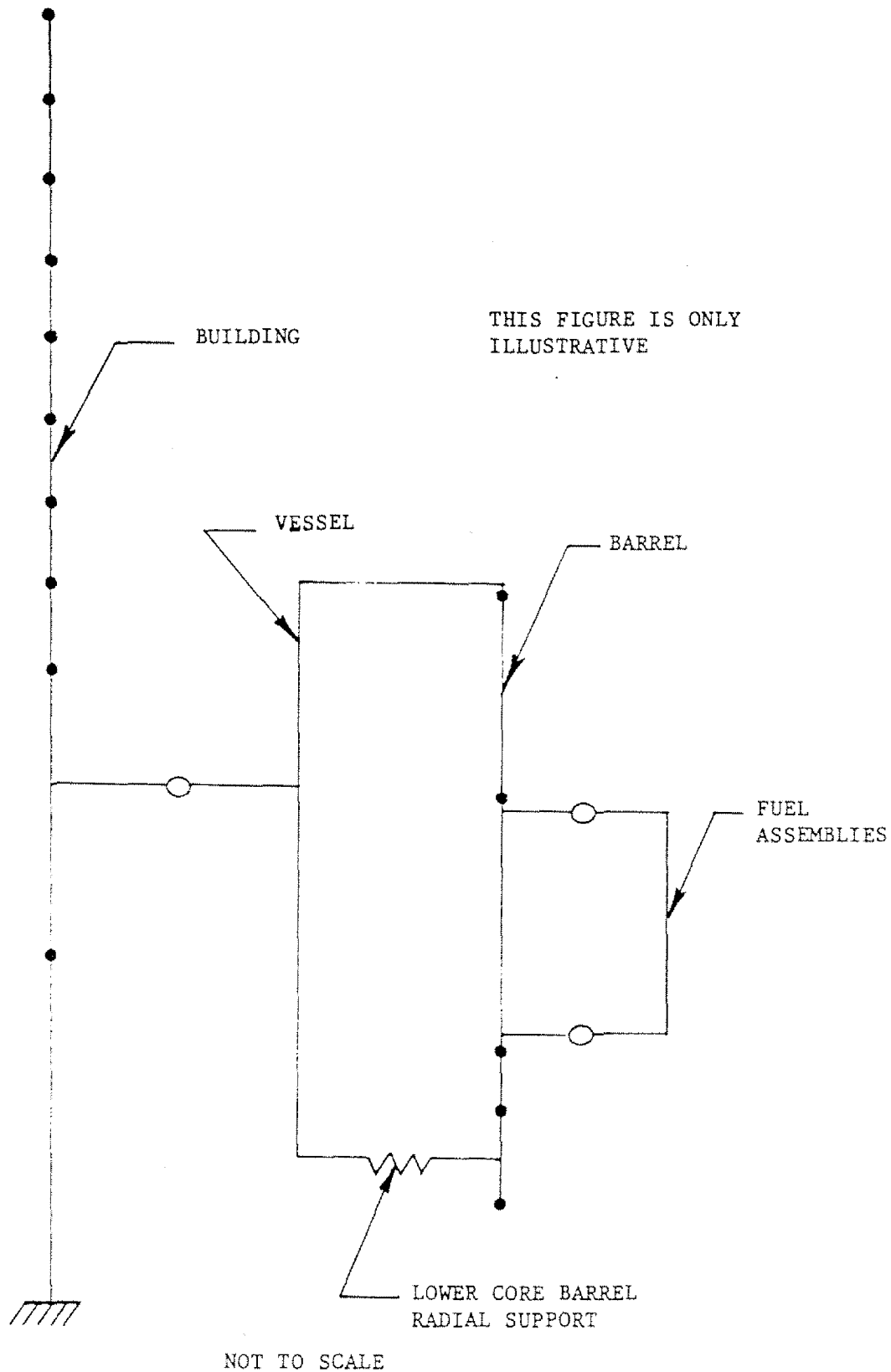
INDIAN POINT 3		FSAR UPDATE
LOCATION OF RV ANALYSIS LOWER VIEW		
REV. 0	JULY, 1982	FIGURE NO 4.3-3



INDIAN POINT 3		FSAR UPDATE
LOSS OF LOAD TRANSIENT		
REV 0	JULY, 1982	FIGURE NO. 4.3-4

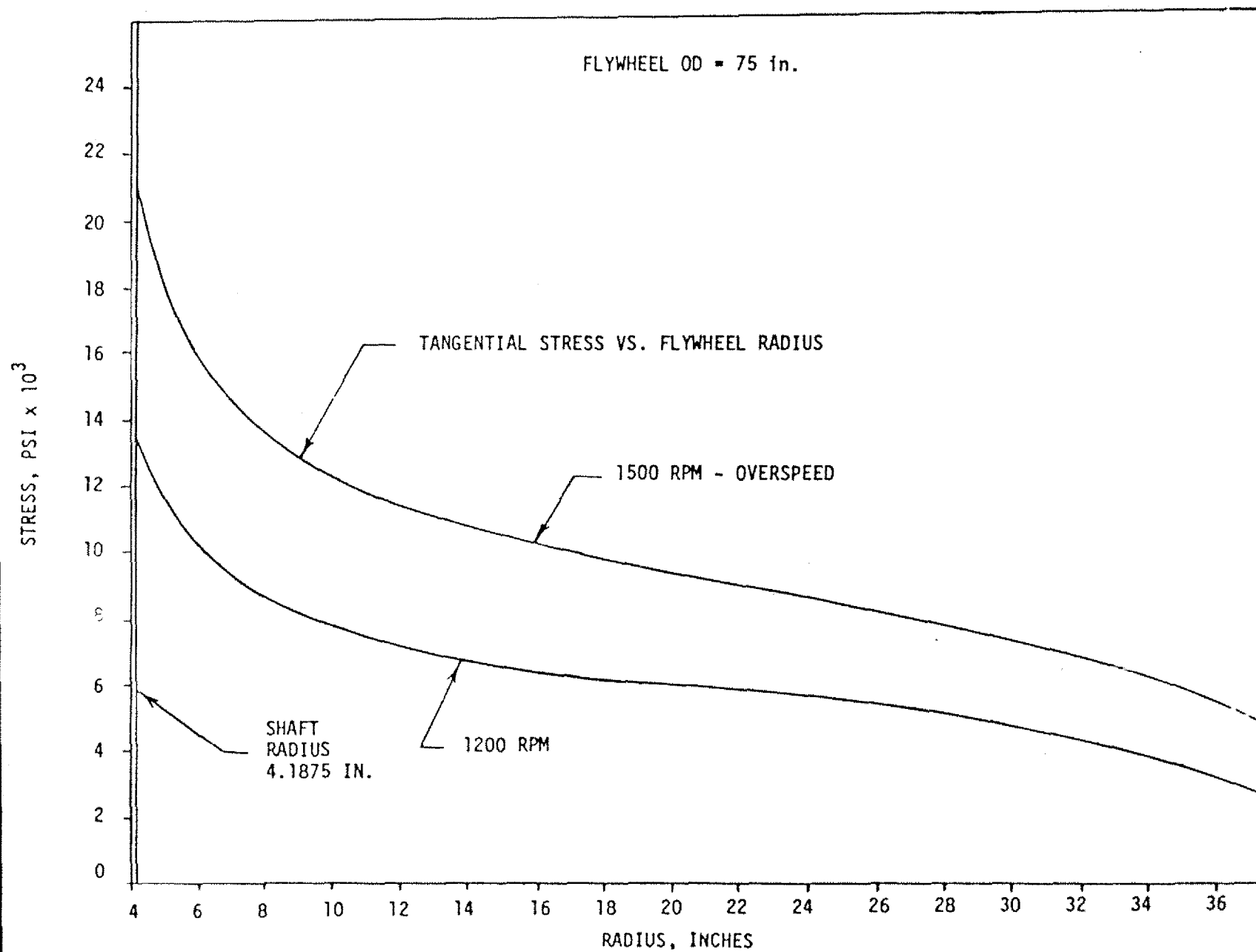


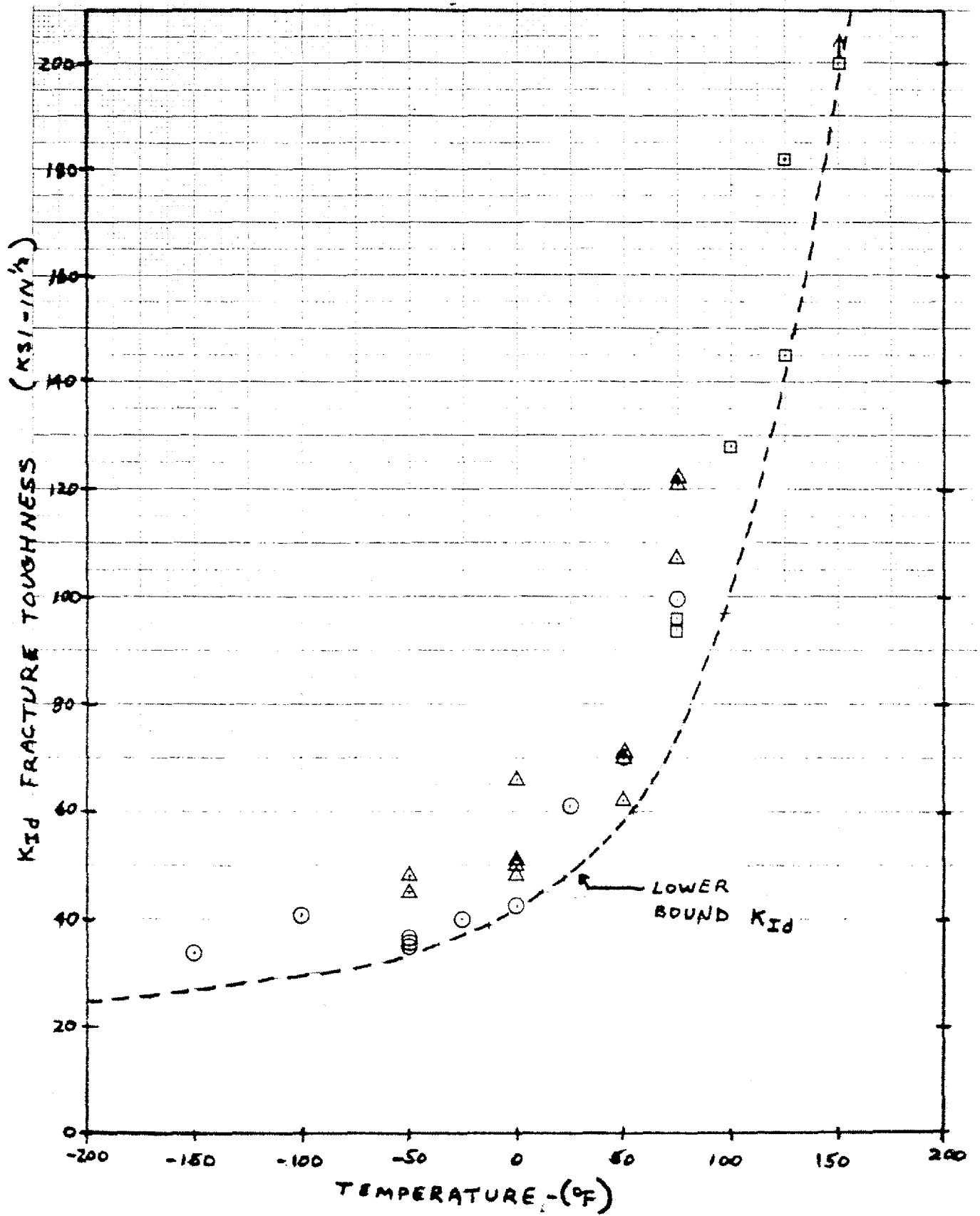
INDIAN POINT 3		FSAR UPDATE
LOSS OF FLOW TRANSIENT		
REV. 0	JULY, 1982	FIGURE NO. 4.3-5



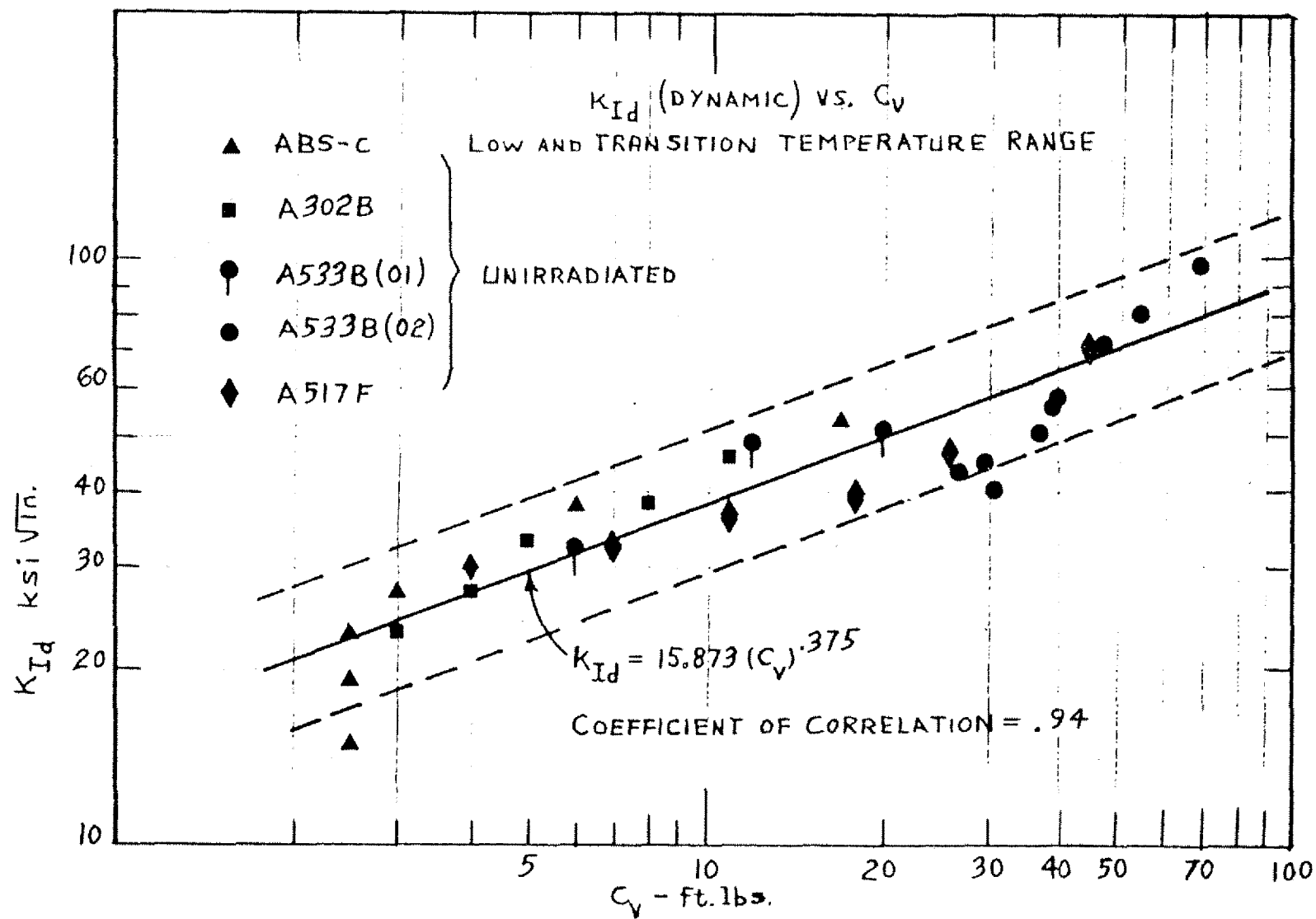
INDIAN POINT 3		FSAR UPDATE
MATHEMATICAL MODEL FOR REACTOR VESSEL INTERNALS ANALYSIS- HORIZONTAL EXCITATION		
REV. 0	JULY, 1982	FIGURE NO. 4.3-6

INDIAN POINT 3	FSAR UPDATE
FLYWHEEL CALCULATED STRESSES AT OPERATING SPEED	
REV 0	FIGURE NO 4.3-7
JULY 1982	





INDIAN POINT 3		FSAR UPDATE	
K _{ID} LOWER BOUND FRACTURE TOUGHNESS A533 GRADE B CLASS 1			
REV. 0	JULY, 1982	FIGURE NO	4.3-8



REV 0

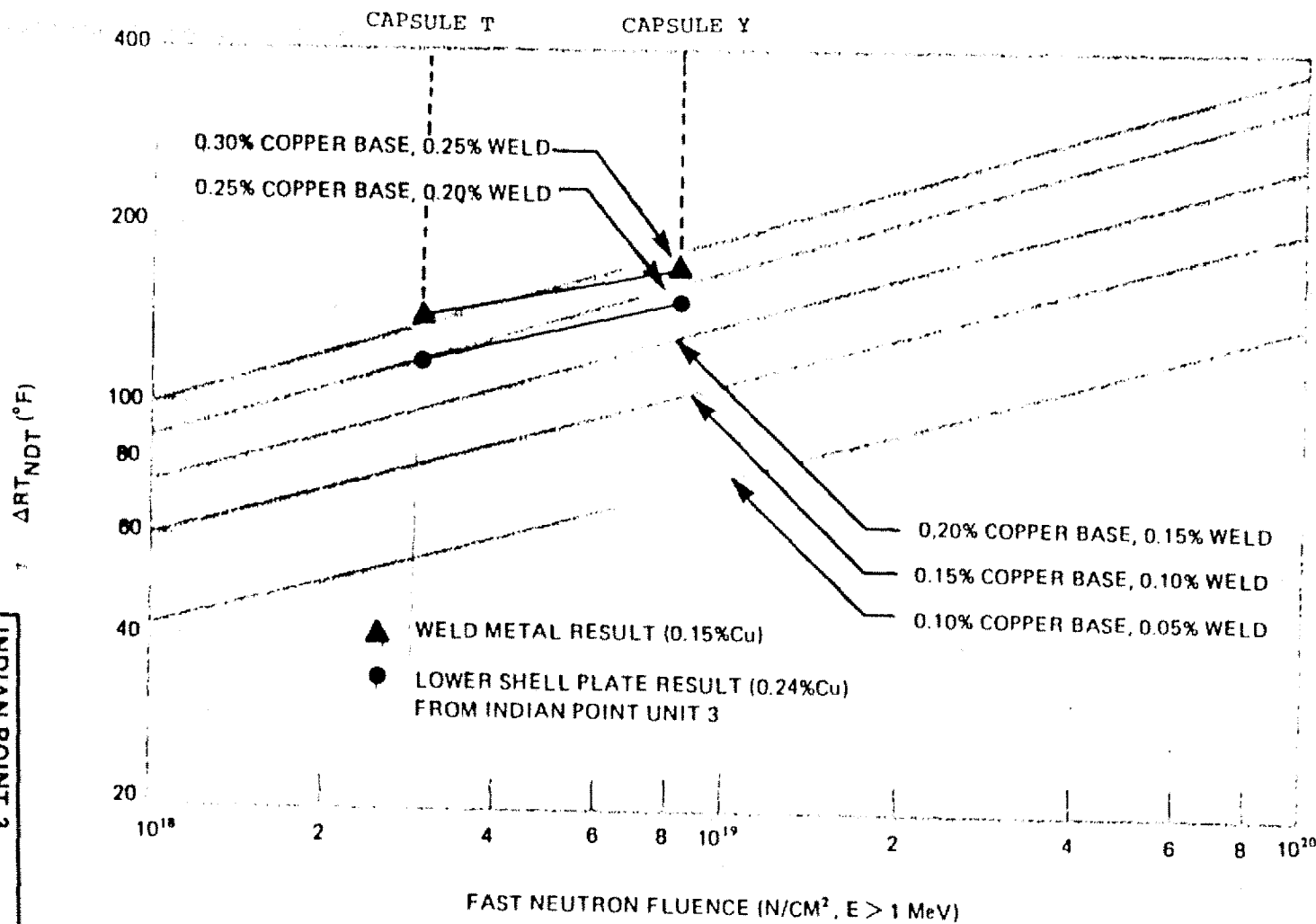
JULY 1982

FIGURE NO. 4.3-9

INDIAN POINT 3

FSAR UPDATE

CORTEN & SAITO CORRELATION²

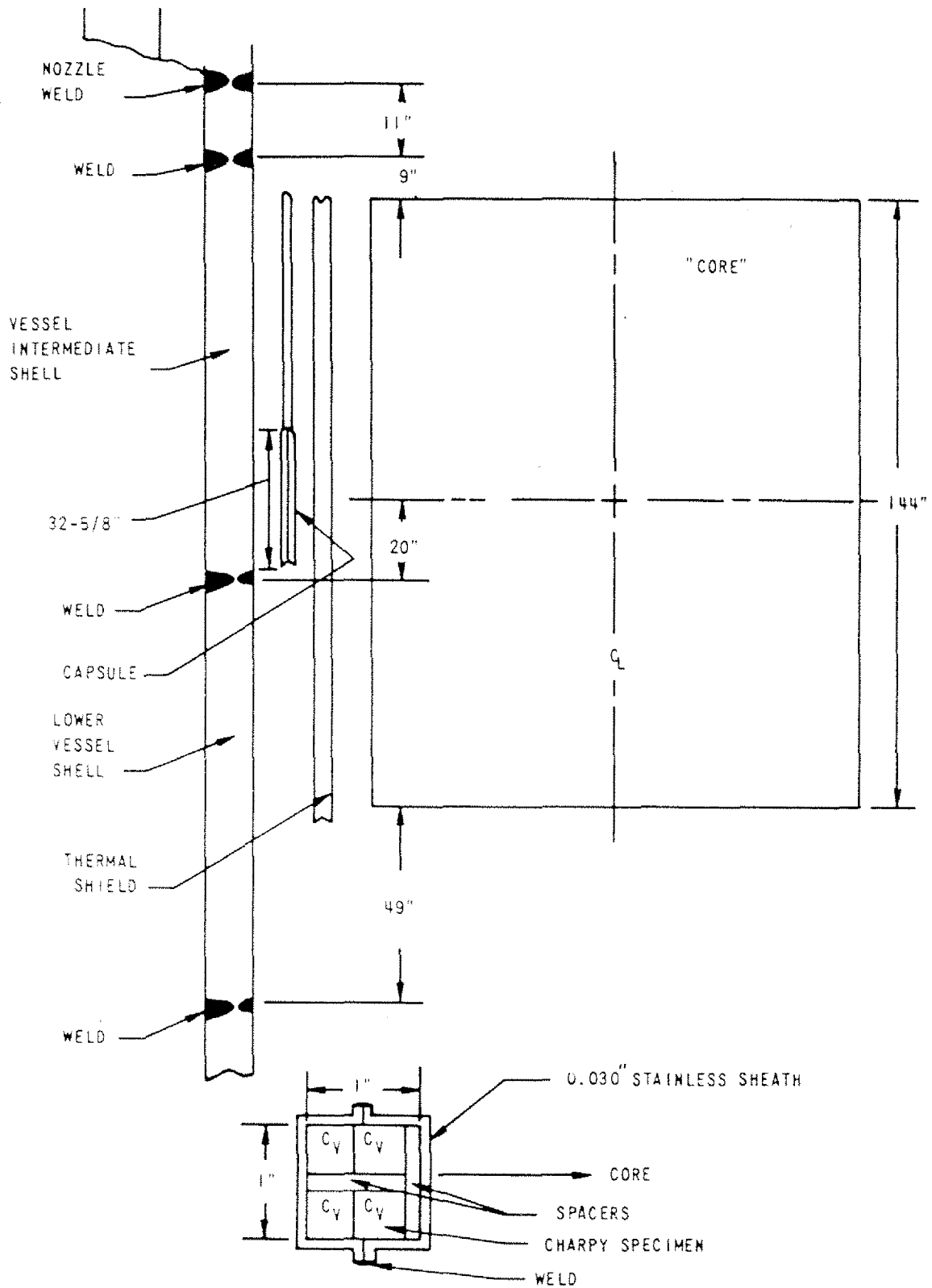


Effect of Fluence and Copper on Shift of RT_{NDT} for
Reactor Vessel Steels Exposed to Irradiation at 550° F

INDIAN POINT 3 FSAR UPDATE

EFFECT OF FLUENCE AND COPPER CONTENT
ON SHIFT OF RT_{NDT} FOR REACTOR VESSEL
STEELS EXPOSED TO 550°F TEMPERATURE

REV 1 JULY, 1984 FIGURE NO. 4-1



INDIAN POINT 3

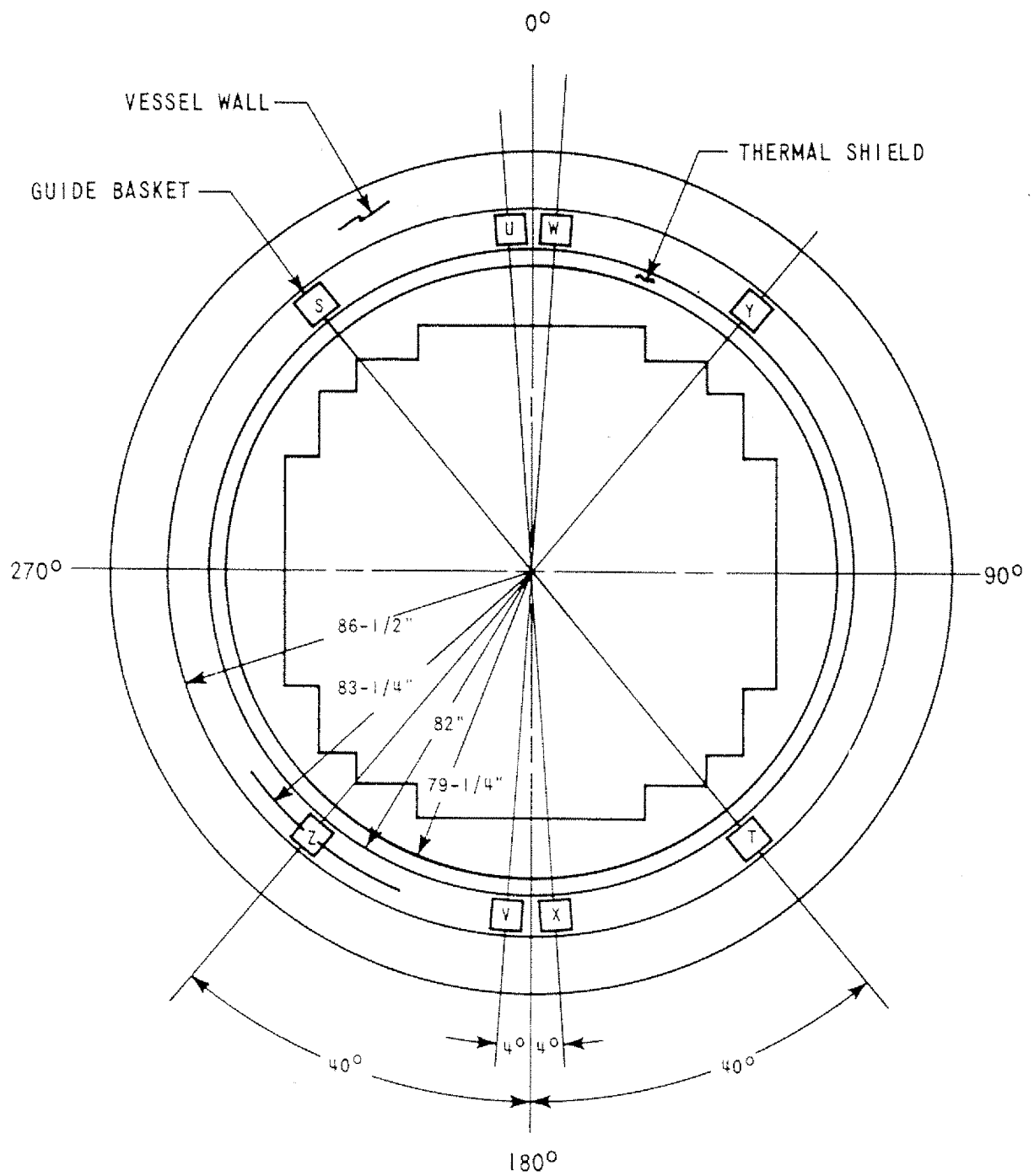
FSAR UPDATE

TYPICAL SURVEILLANCE CAPSULE
ELEVATION VIEW

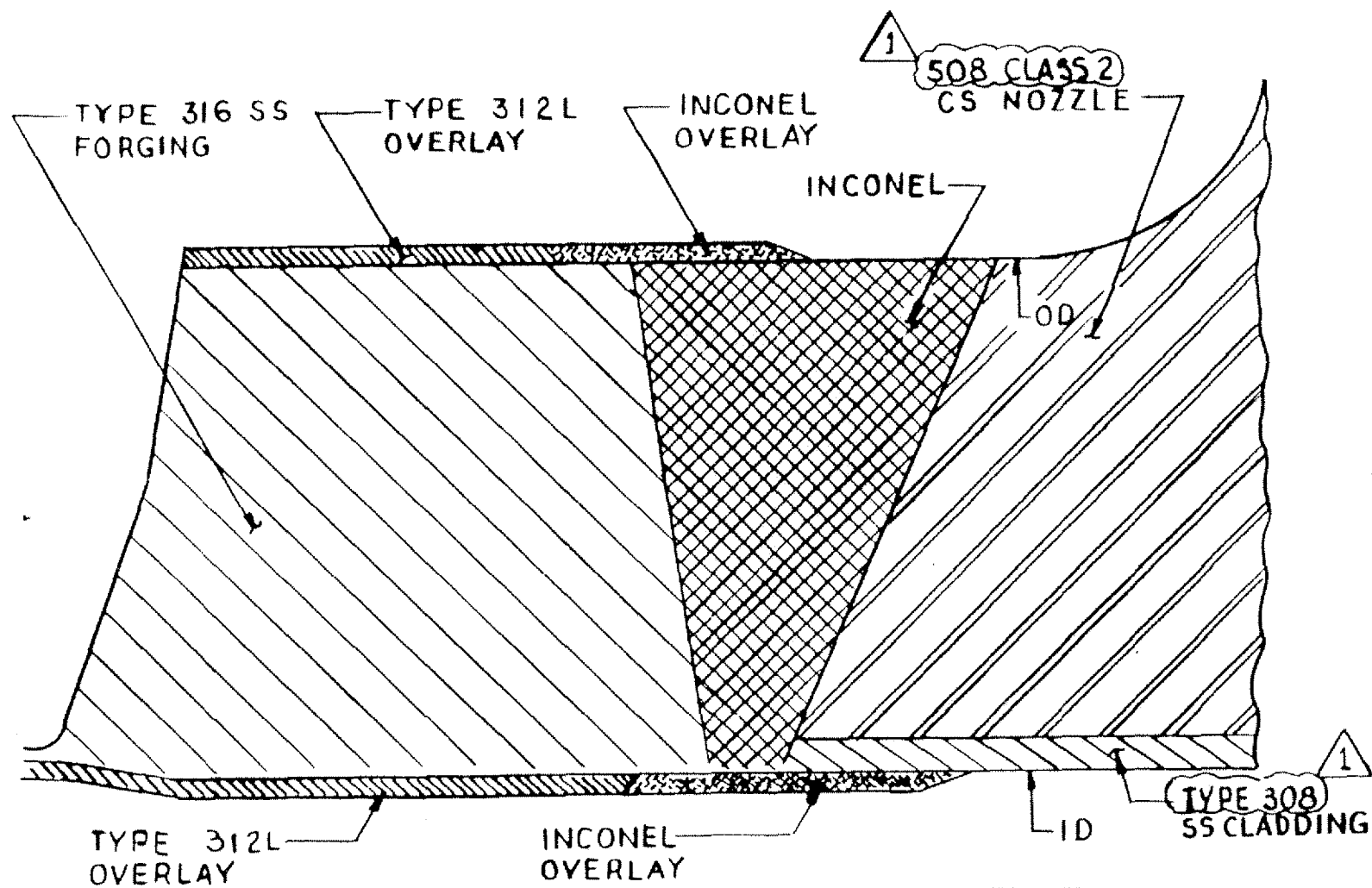
REV. 0

JULY, 1982

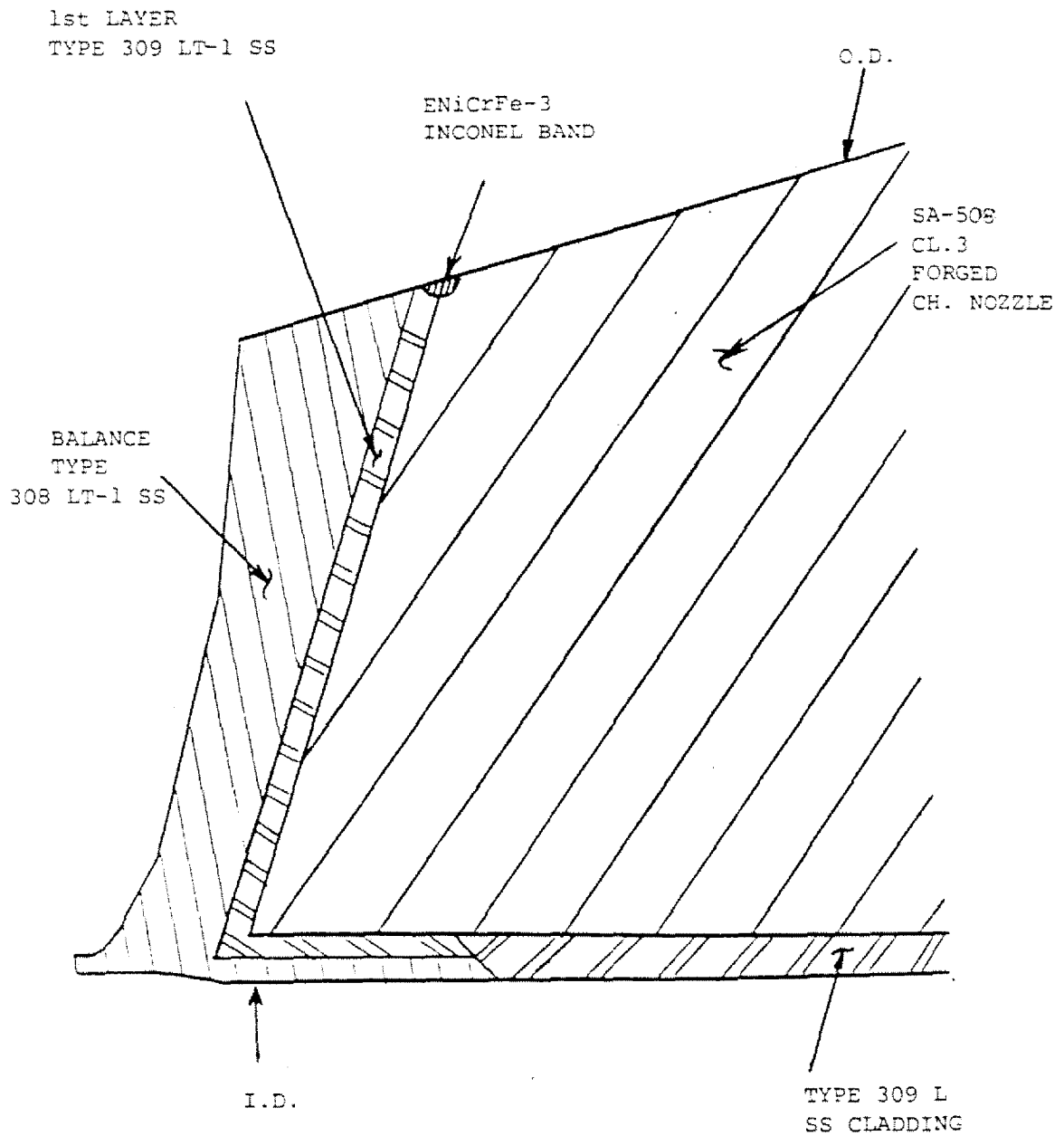
FIGURE NO. 4.5-1



INDIAN POINT 3		FSAR UPDATE
SURVEILLANCE CAPSULE PLAN VIEW		
REV 0	JULY, 1982	FIGURE NO. 4.5-2



INDIAN POINT 3		FSAR UPDATE
PRIMARY NOZZLE COMBUSTION ENGINEERING REACTOR VESSEL		
REV. 1	JULY, 1988	FIGURE NO. 4D-1

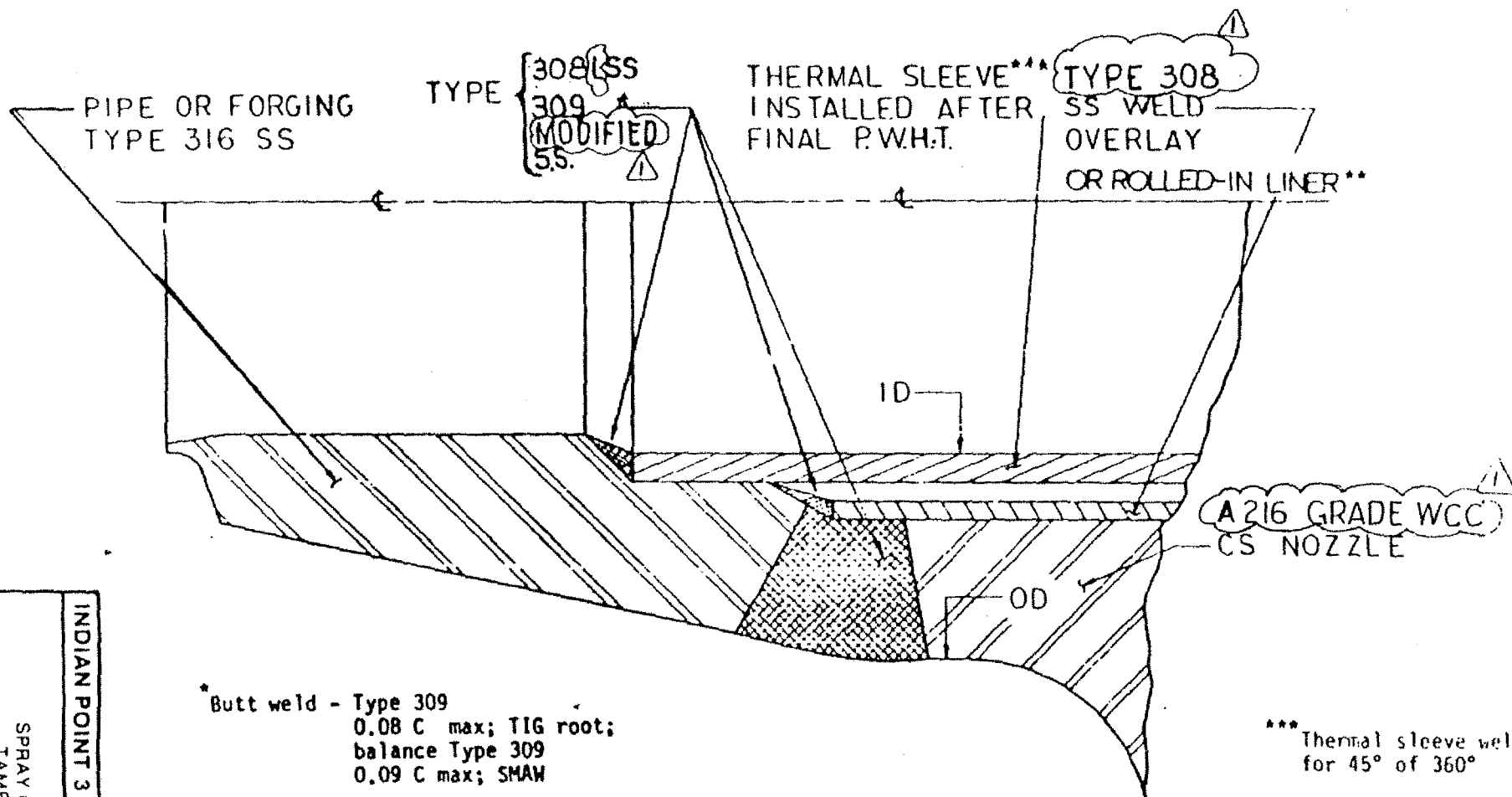


INDIAN POINT 3

FSAR UPDATE

PRIMARY NOZZLE
STEAM GENERATOR

REV. 2 JULY 1990 FIGURE NO. 4D-2



* Butt weld - Type 309
 0.08 C max; TIG root;
 balance Type 309
 0.09 C max; SMAW

Attachment weld of thermal sleeve
 and rolled-in liner - Type 308 L
 0.04 C max; TIG (made after final
 PWHT)

** Rolled-in liner welded top and
 bottom for spray, safety, and
 relief nozzles - Type 309 followed
 by Type 308 L weld overlay for surge
 nozzle

*** Thermal sleeve welded
 for 45° of 360°

INDIAN POINT 3	FSAR UPDATE
REV 1	JULY 1988
FIGURE NO. 4D-3	SPRAY OR SURGE NOZZLE TAMPA PRESSURIZER