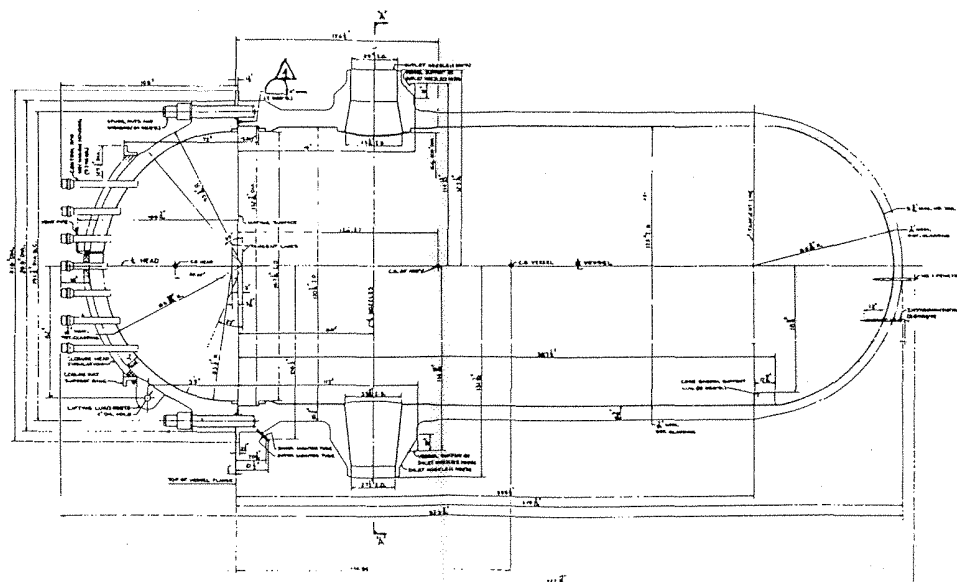
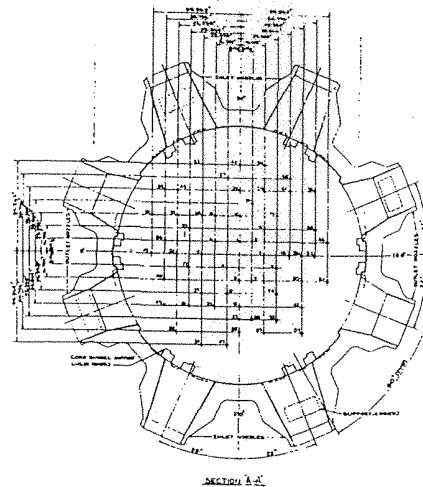
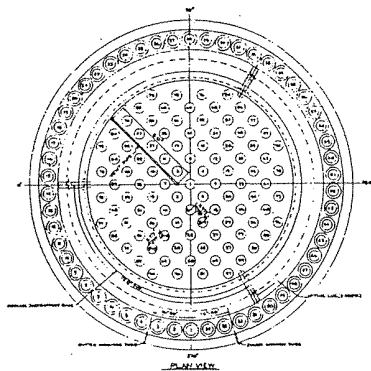


NOTES:

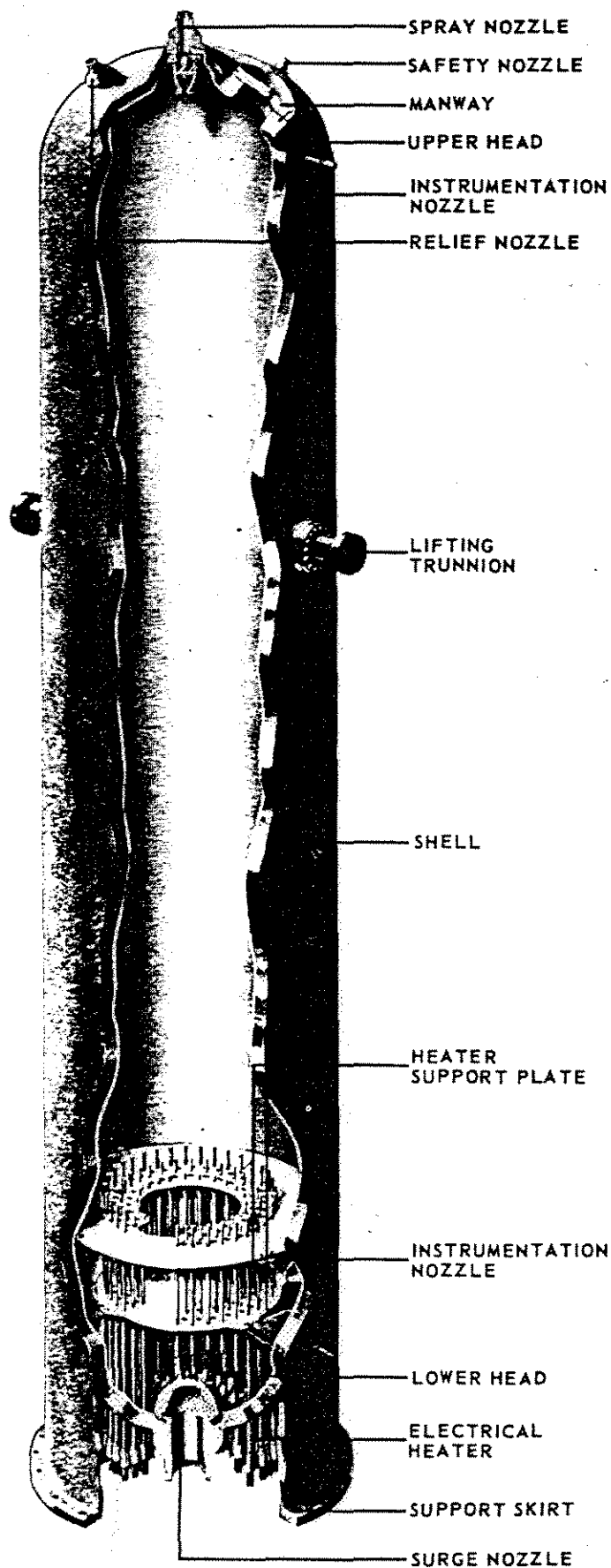
\* THE REACTOR COOLANT VOLUME SHOWN FOR THE STEAM GENERATOR AND THE REACTOR COOLANT PUMP VOLUME SHOWN ARE THE VOLUMES FOR EACH OF THE FOUR RESPECTIVE COMPONENTS.

\*\* 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

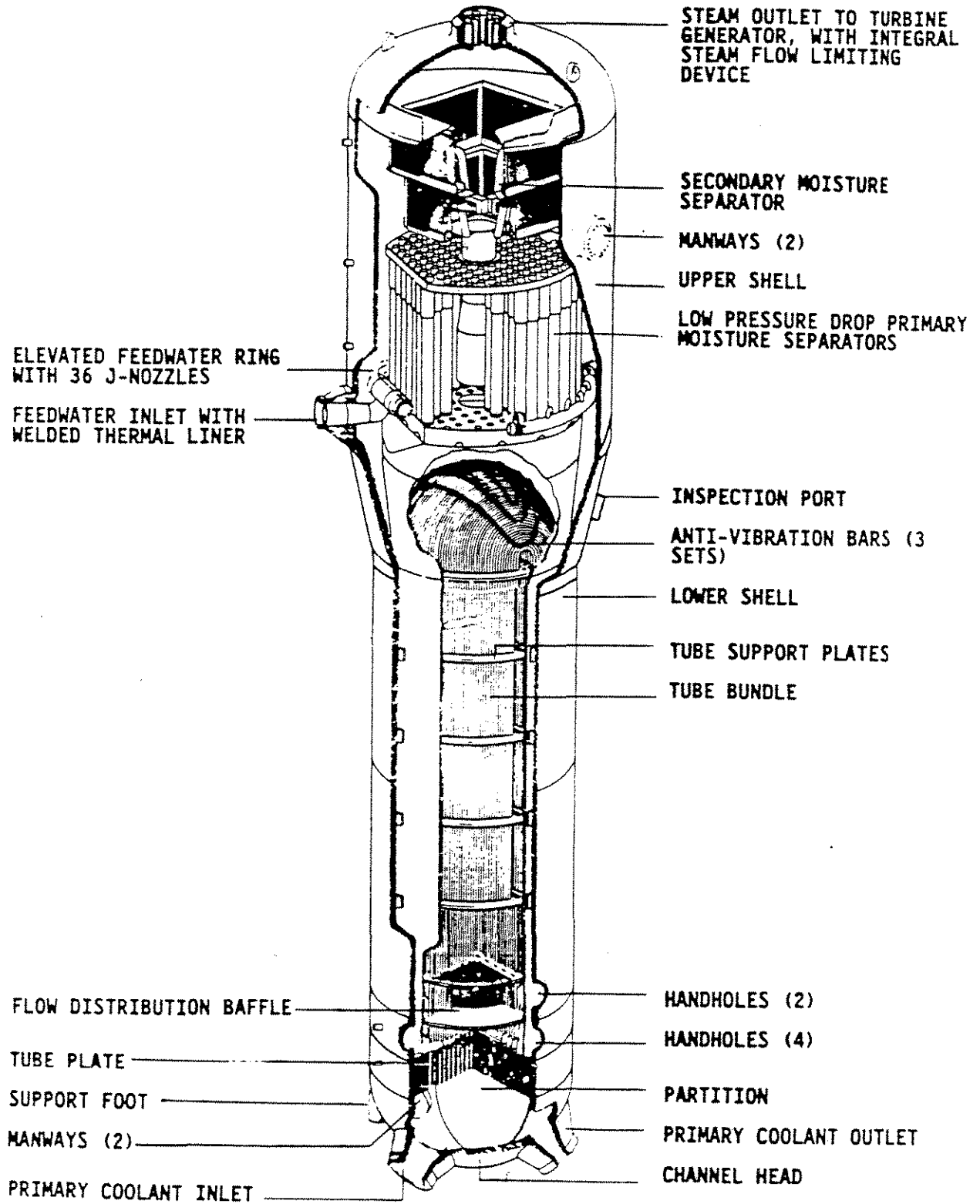


INDIAN POINT 3	FSAR UPDATE
REACTOR VESSEL	
REV. 1	DEC 1995
FIGURE NO. 4.2-3	



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

# MODEL 44F

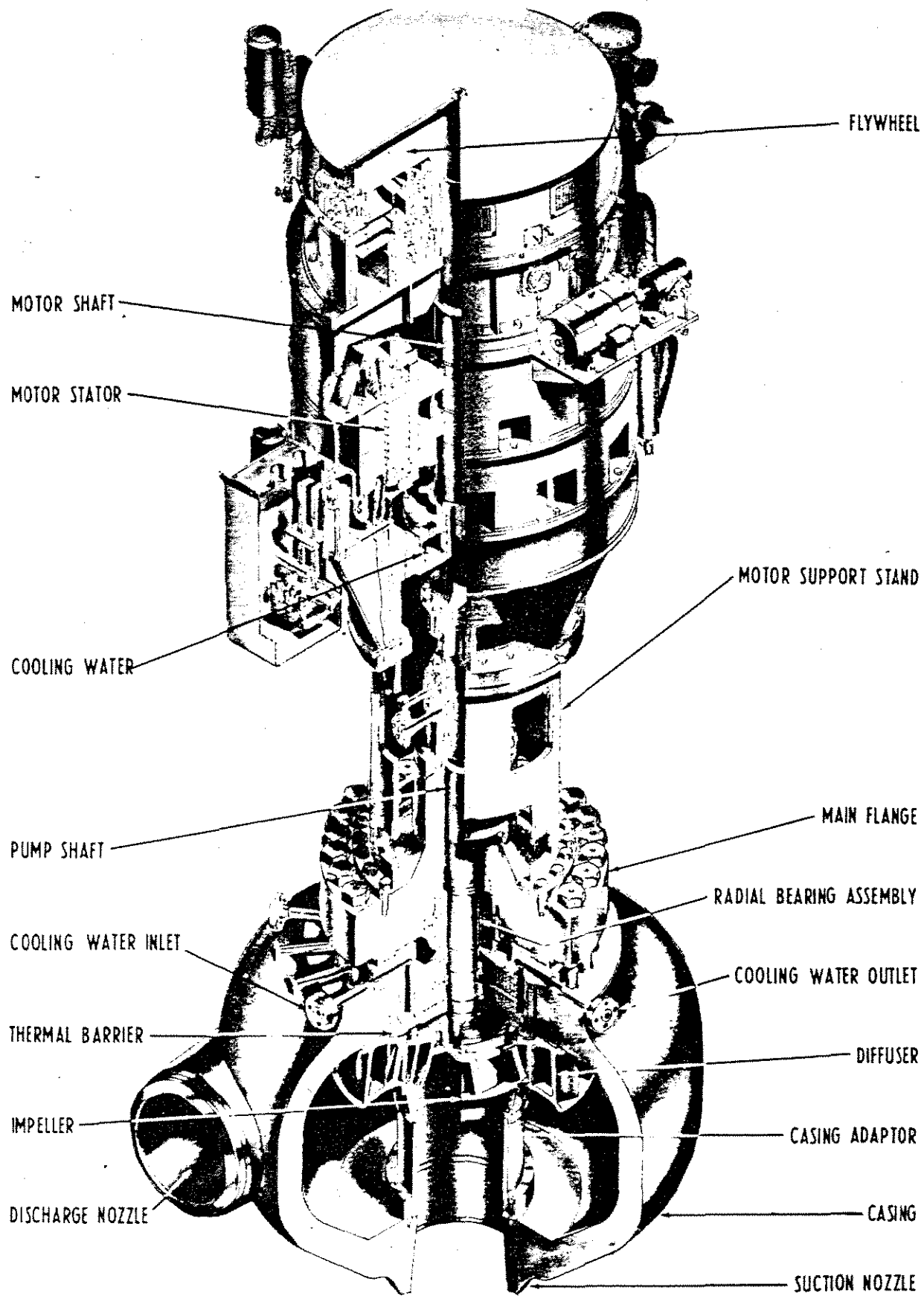


INDIAN POINT 3

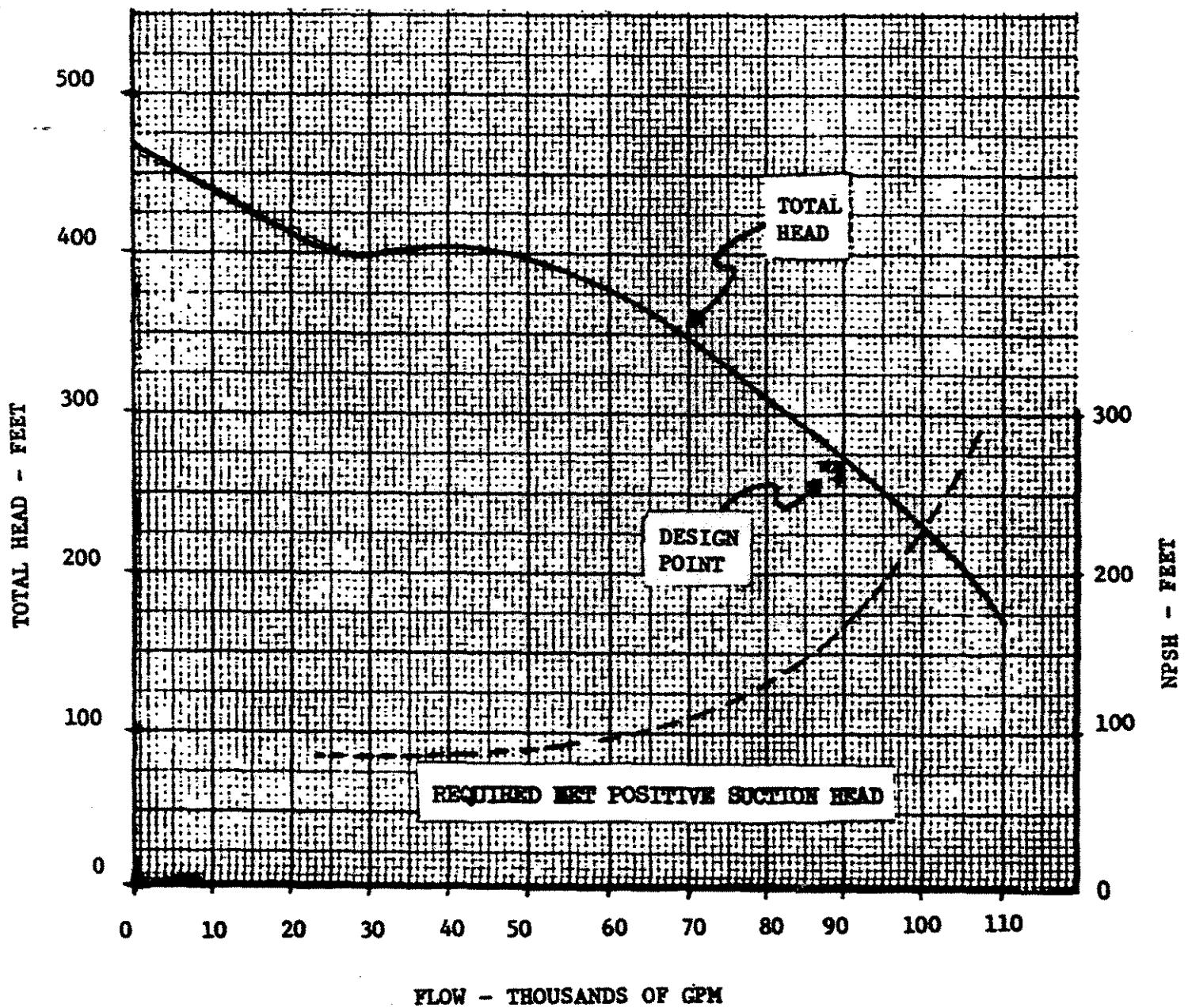
FSAR UPDATE

STEAM GENERATOR

REV. 1 JULY 1990 FIGURE NO 42-5



INDIAN POINT 3		FSAR UPDATE	
REACTOR COOLANT PUMP			
REV 0	JULY, 1982	FIGURE NO	4.2-6

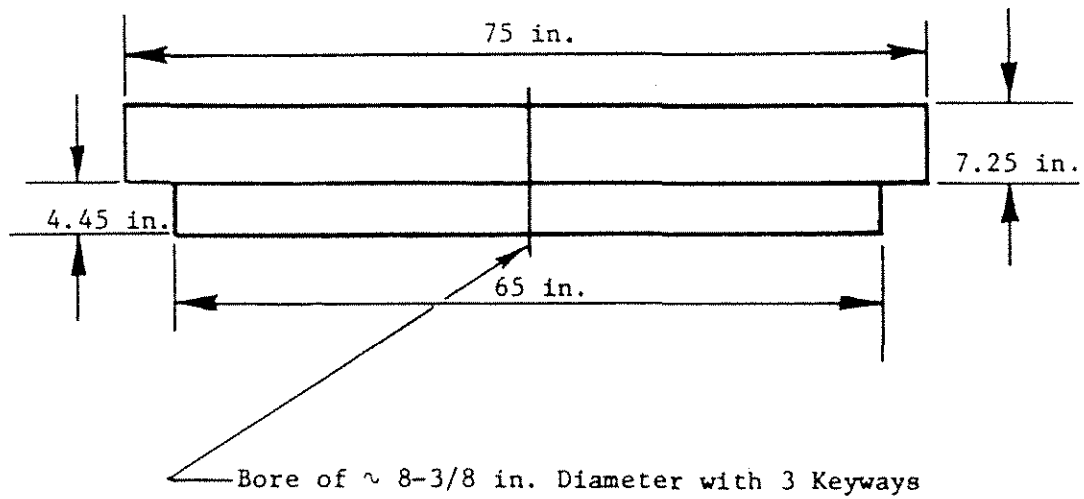


INDIAN POINT 3 FSAR UPDATE

REACTOR COOLANT PUMP  
ESTIMATED PERFORMANCE CHARACTERISTIC

REV. 1 JUN 2000 | FIGURE 4.2-7

# FLYWHEEL

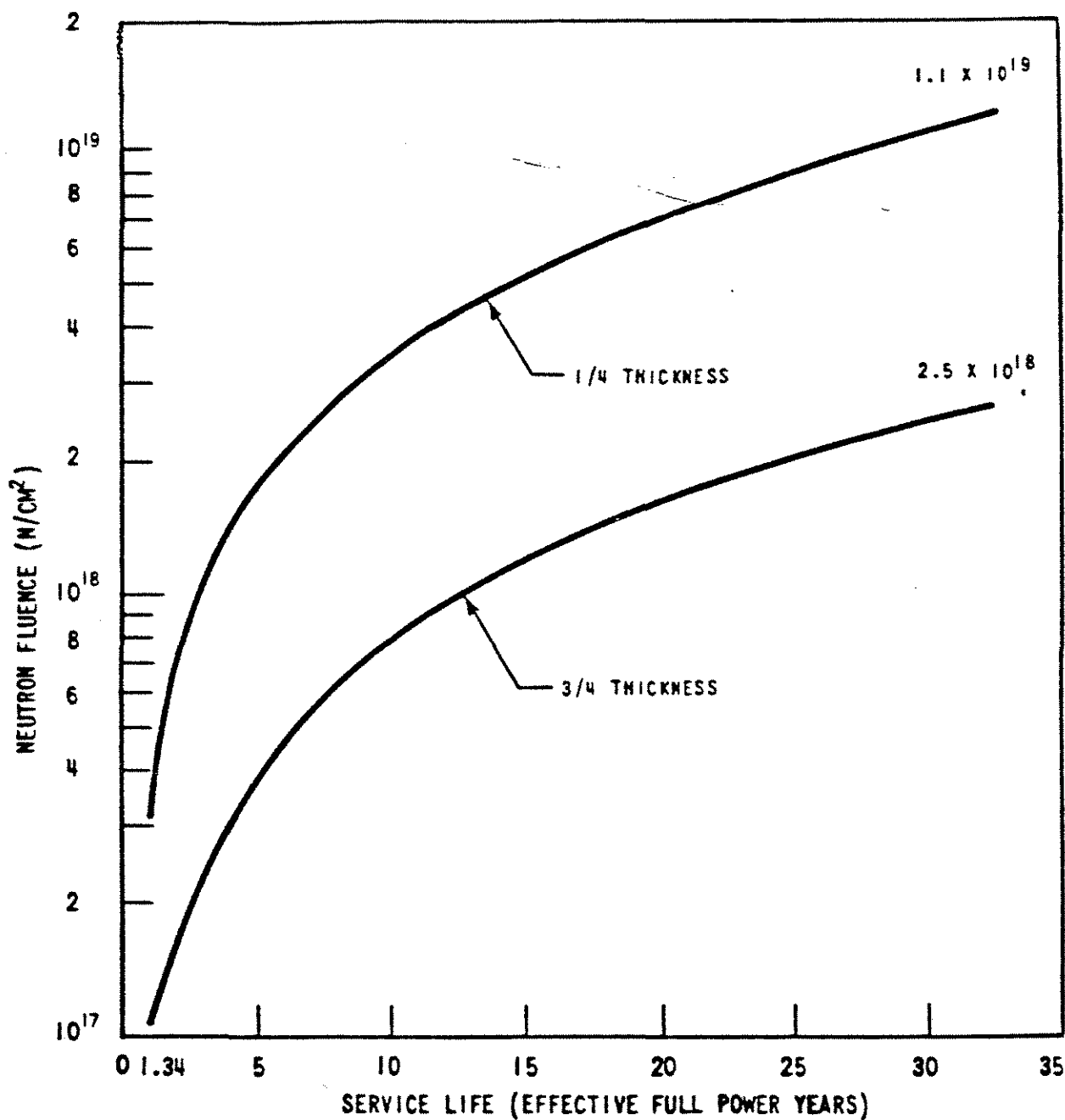


NOTE: The plates are bolted together with the bolts aligned perpendicular to the planes of the plates

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







NOTE:

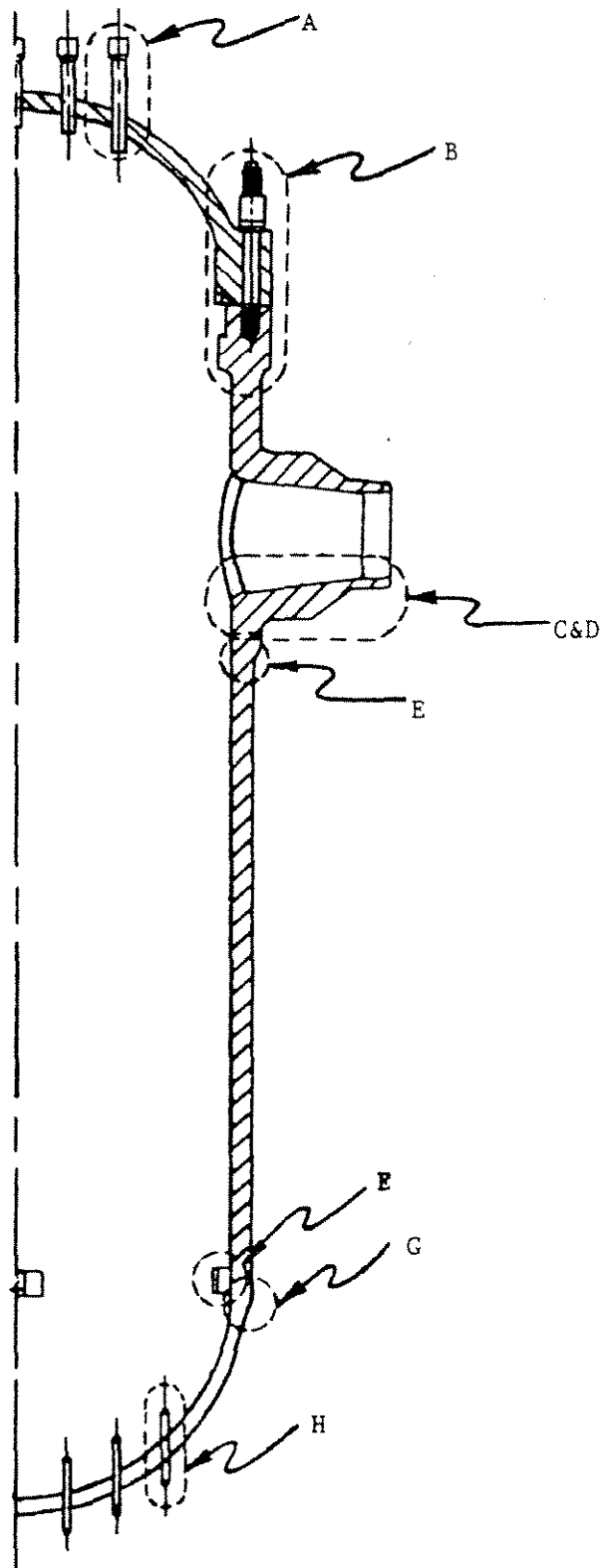
THIS FIGURE DOES NOT TAKE INTO ACCOUNT THE CONSERVATIVE EFFECTS OF LOW-LEAKAGE CORE DESIGN THAT WERE IMPLEMENTED IN AND BEYOND CYCLE 6.

INDIAN POINT 3 FSAR UPDATE

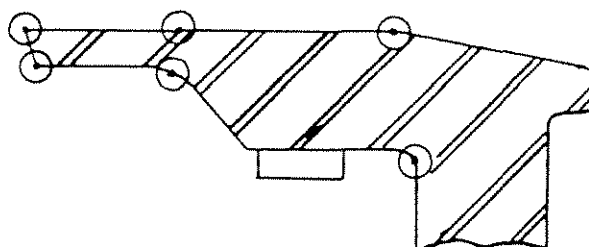
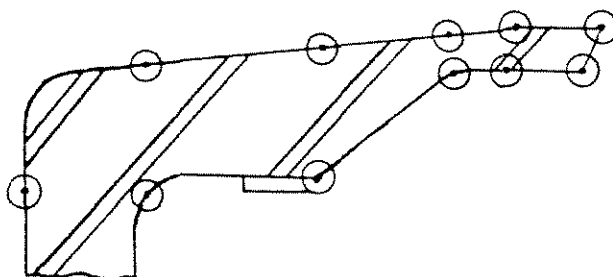
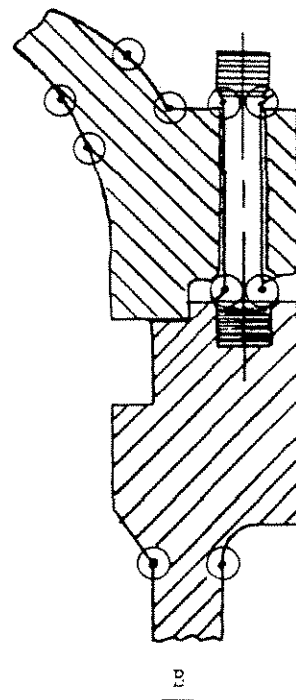
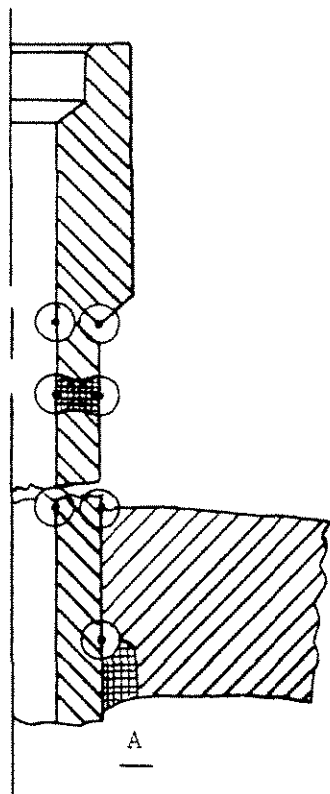
FAST NEUTRON FLUENCE ( $E > 1\text{MeV}$ )  
AS A FUNCTION OF  
FULL POWER SERVICE LIFE

REV. 1 JUN. 1999

FIG. 4.2-10

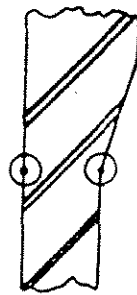


INDIAN POINT 3		FSAR UPDATE
REACTOR VESSEL LONGITUDINAL SECTION LOCATION RV ANALYSIS		
REV. 0	JULY, 1982	FIGURE NO. 4.3-1

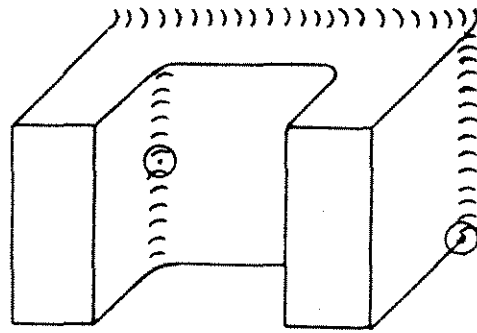


NOT TO SCALE

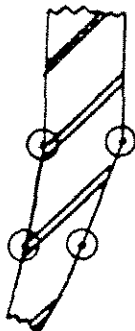
INDIAN POINT 3		FSAR UPDATE
LOCATION OF RV ANALYSIS UPPER VIEW		
REV. 0	JULY, 1982	FIGURE NO. 4.3-2



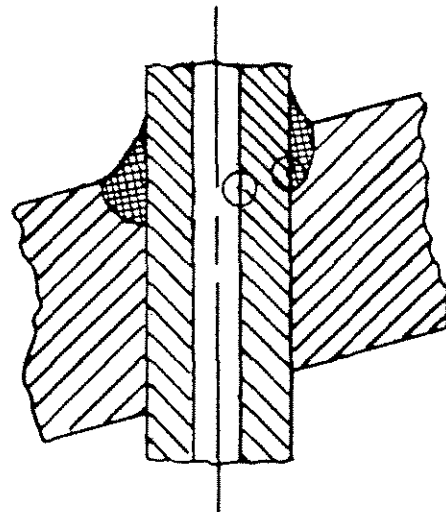
E



F



G

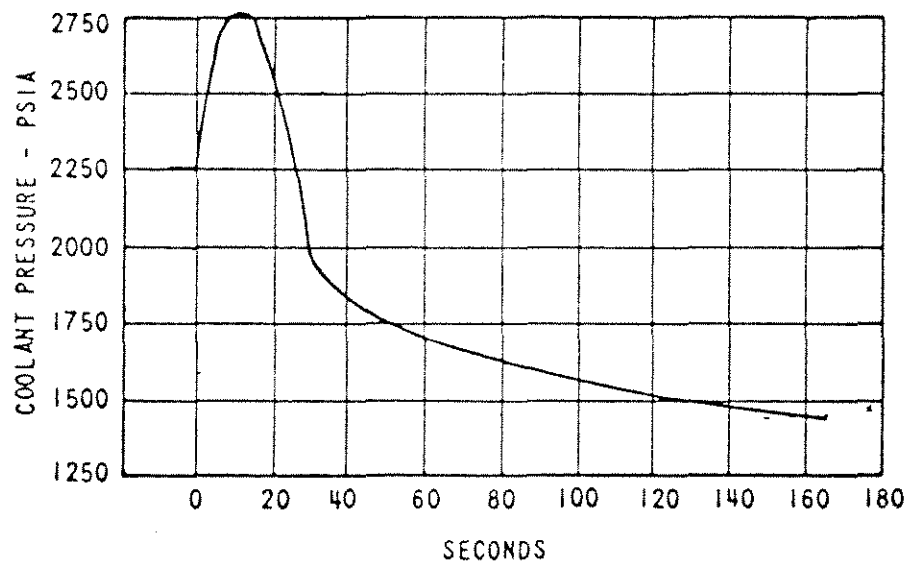
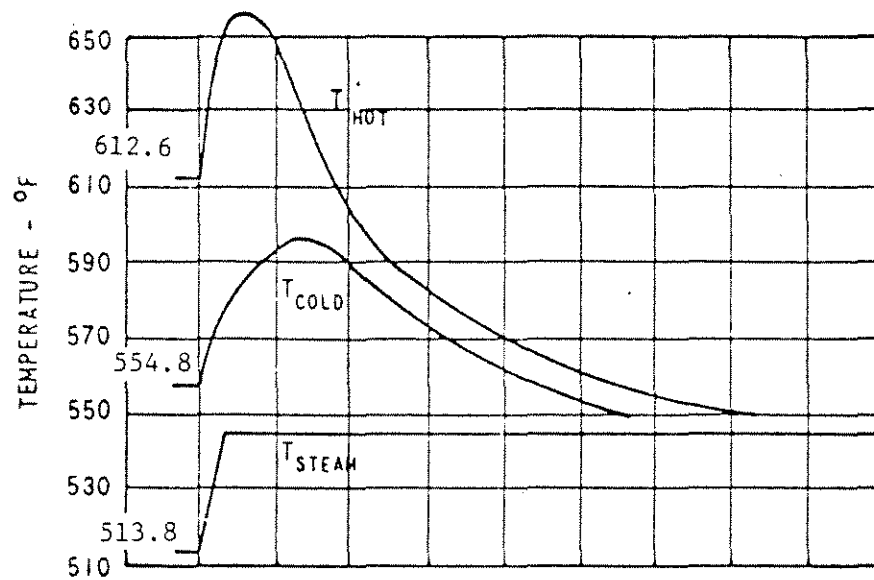


H

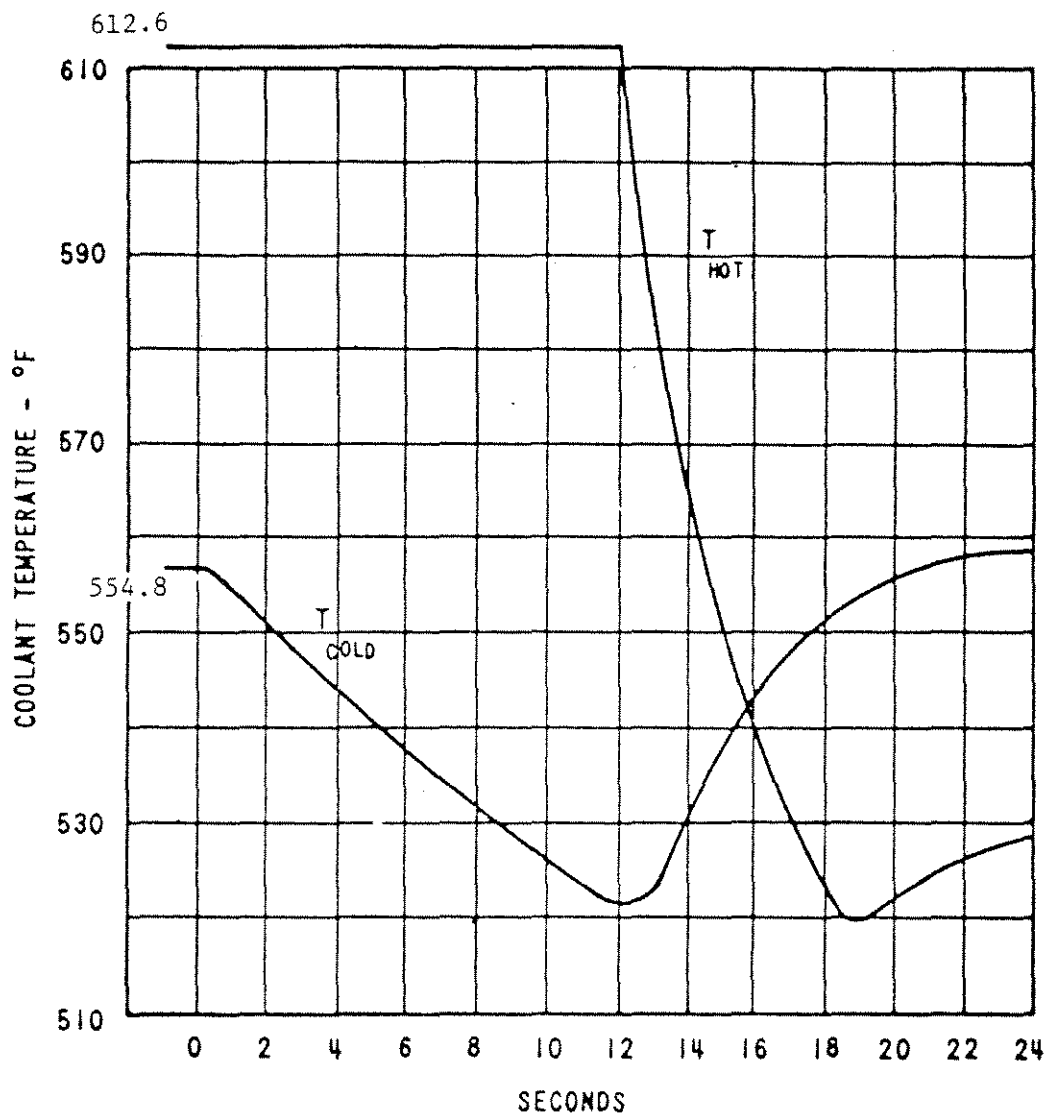
NOTE:

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

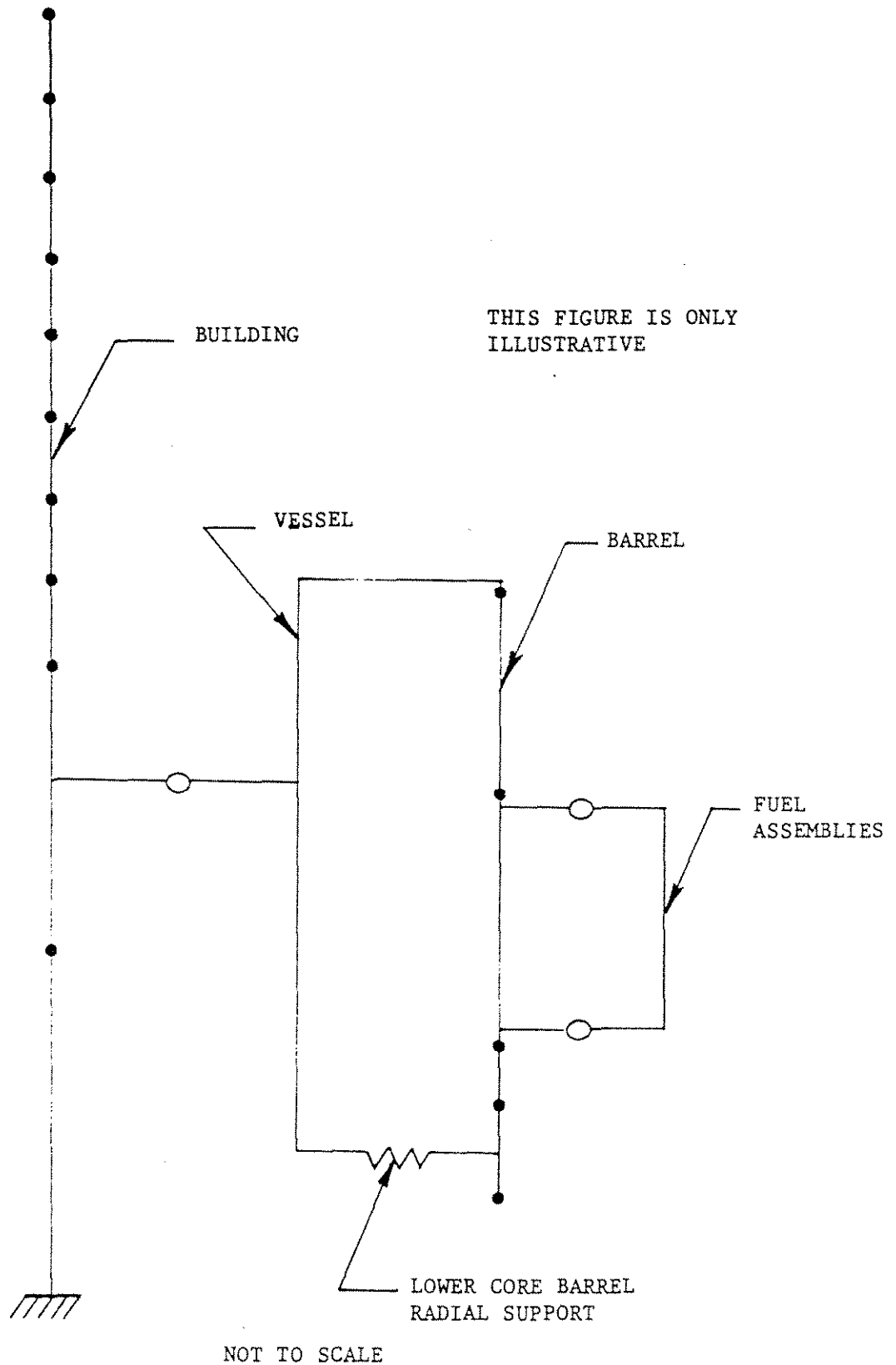
INDIAN POINT 3		FSAR UPDATE
LOCATION OF RV ANALYSIS LOWER VIEW		
REV. 0	JULY, 1982	FIGURE NO 4.3-3



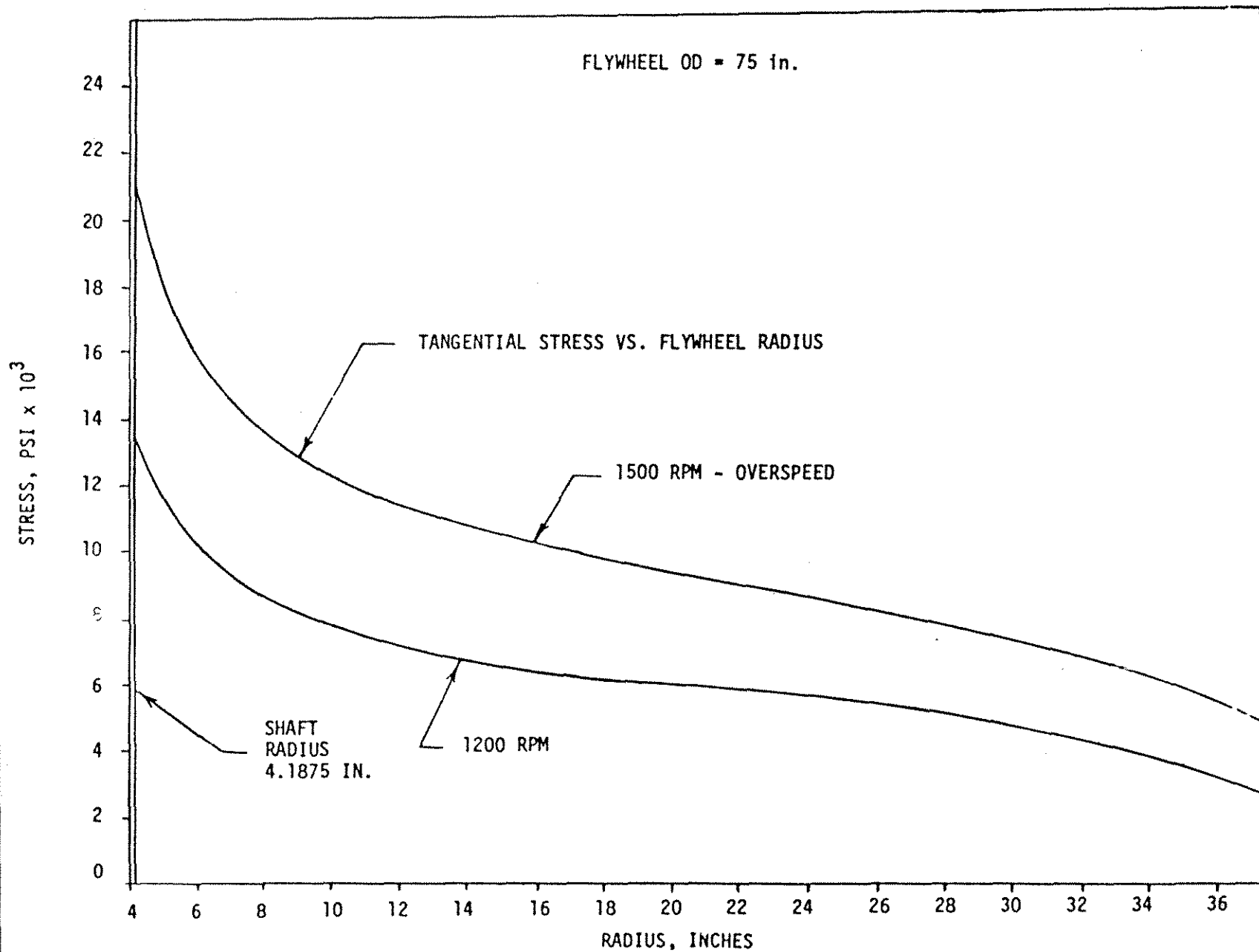
INDIAN POINT 3		FSAR UPDATE
LOSS OF LOAD TRANSIENT		
REV. 0	JULY, 1982	FIGURE NO. 4.3-4



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

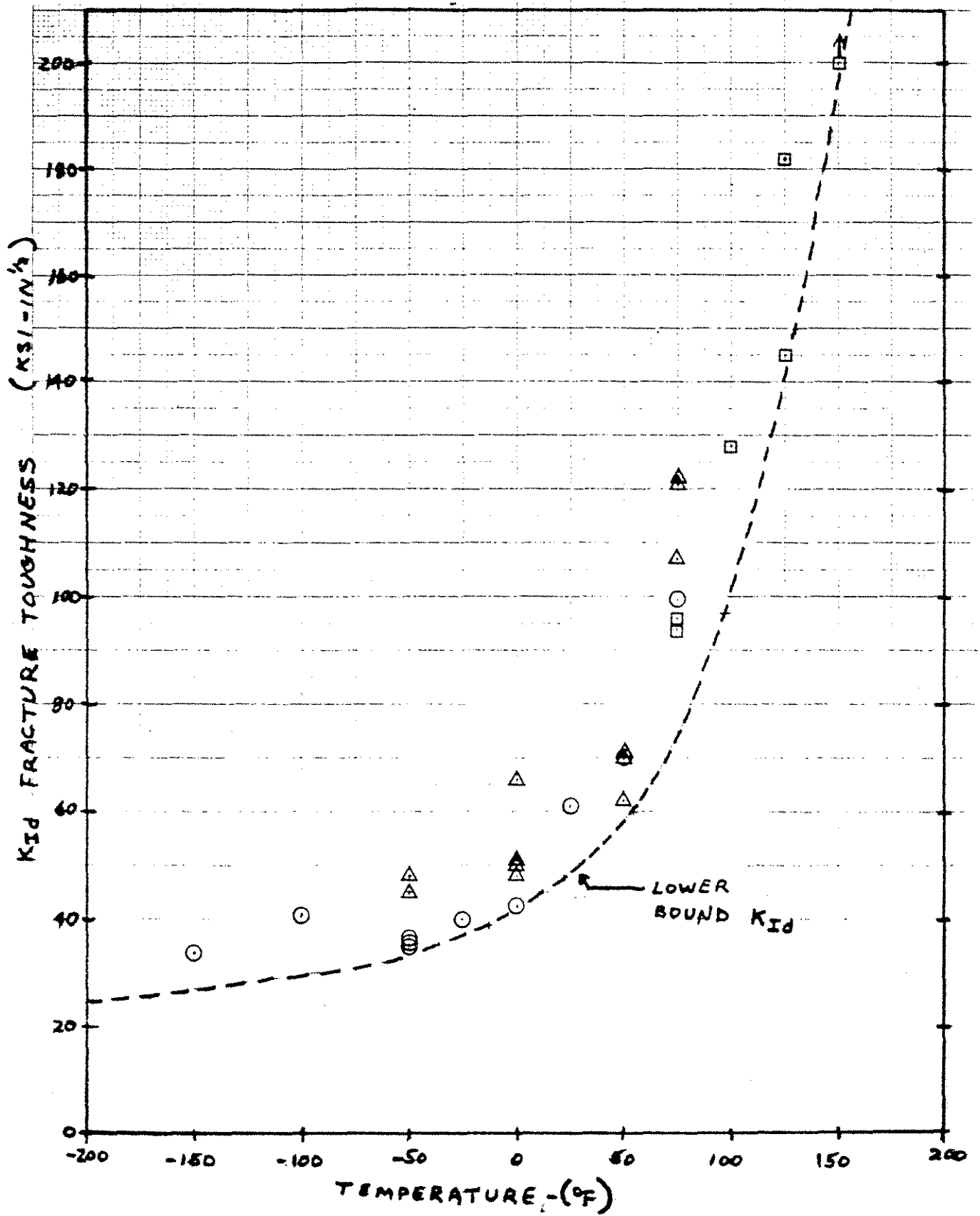


INDIAN POINT 3	FSAR UPDATE
MATHEMATICAL MODEL FOR REACTOR VESSEL INTERNALS ANALYSIS- HORIZONTAL EXCITATION	
REV. 0	JULY, 1982   FIGURE NO. 4.3-6

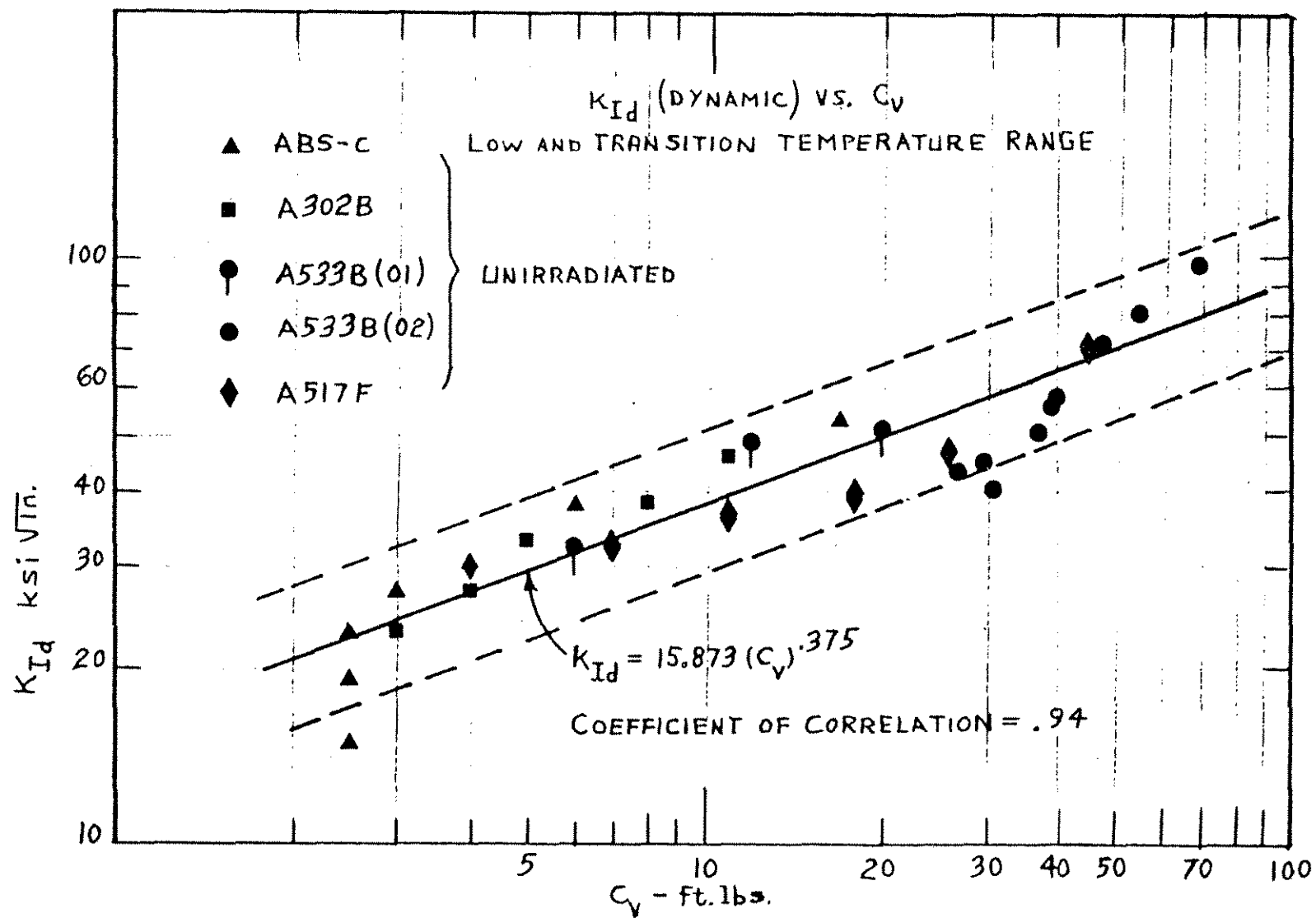


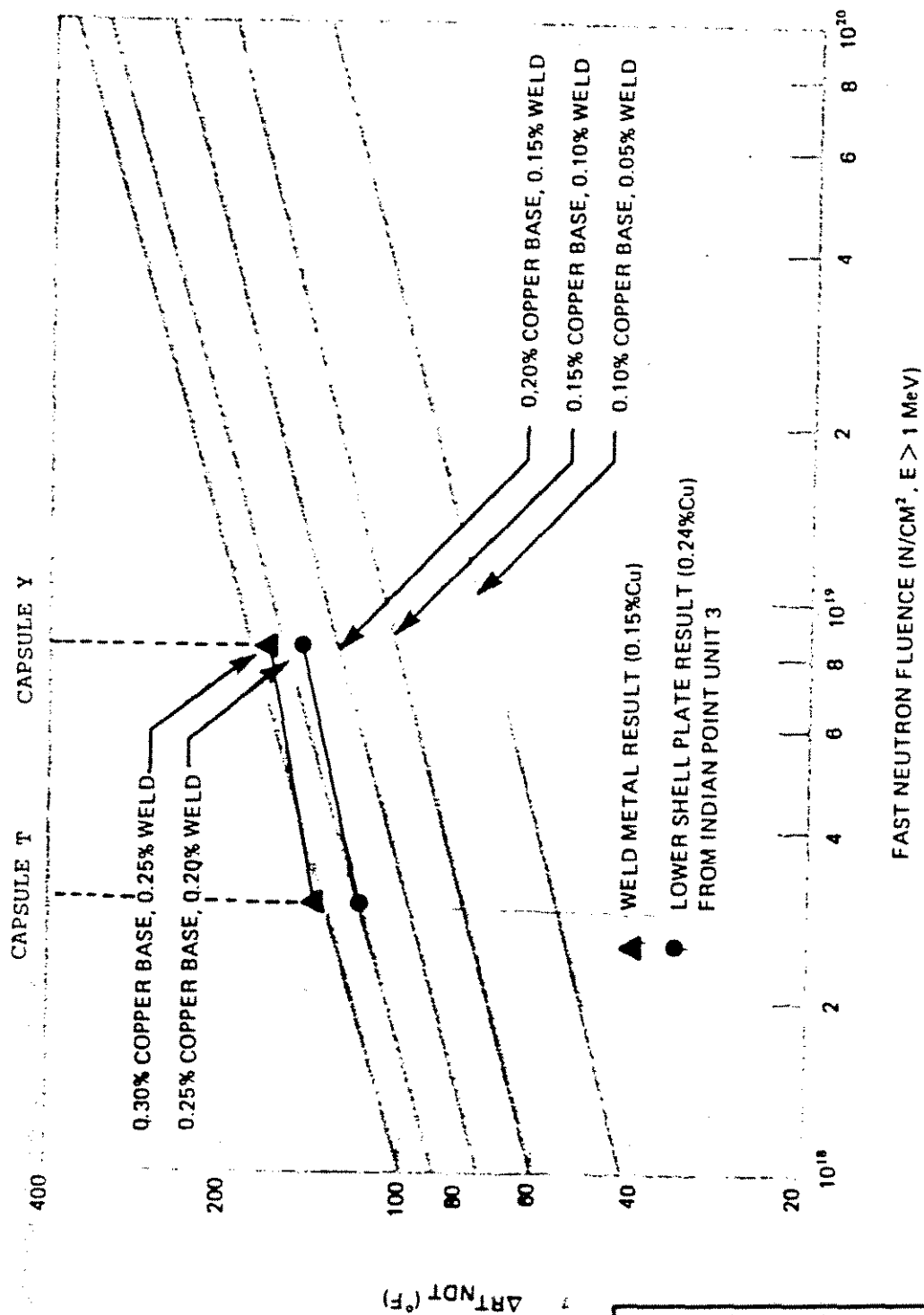
INDIAN POINT 3	FSAR UPDATE
FLYWHEEL CALCULATED STRESSES AT OPERATING SPEED	
REV 0	FIGURE NO 4.3-7
JULY 1982	





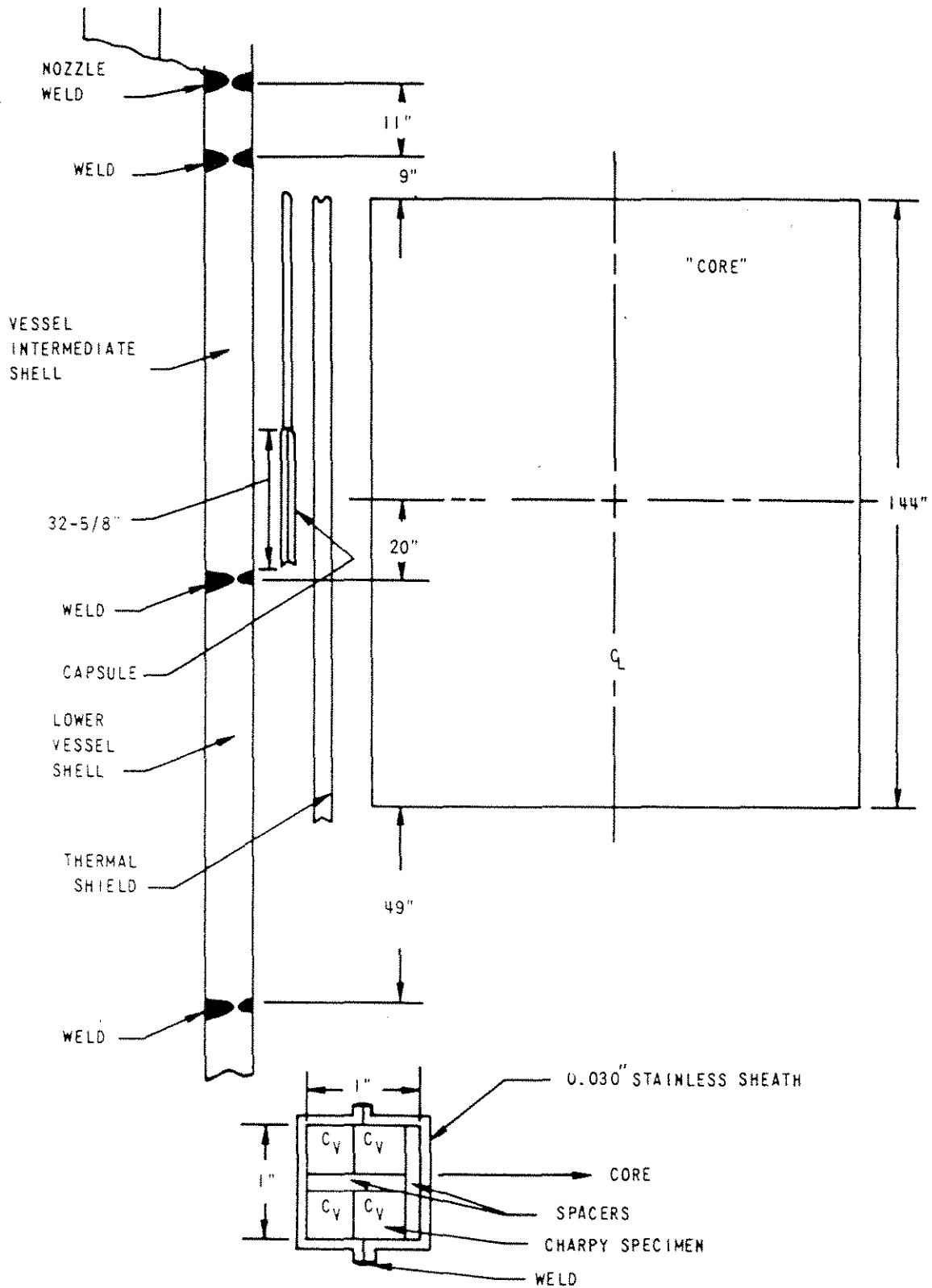
INDIAN POINT 3		FSAR UPDATE	
K <sub>ID</sub> LOWER BOUND FRACTURE TOUGHNESS A533 GRADE B CLASS 1			
REV. 0	JULY, 1982	FIGURE NO.	4.3-8



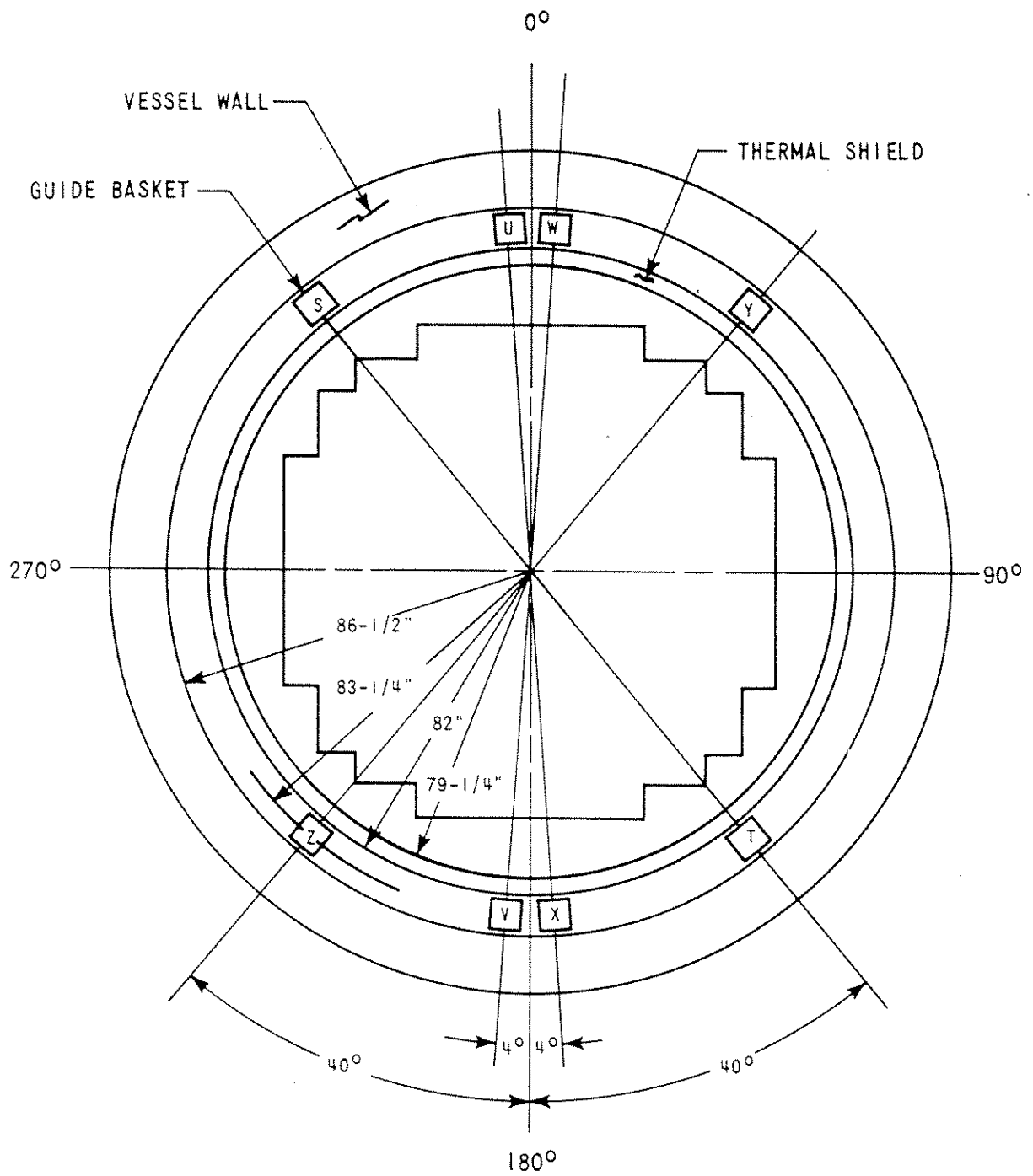


Effect of Fluence and Copper on Shift of RT<sub>NDT</sub> for Reactor Vessel Steels Exposed to Irradiation at 550° F

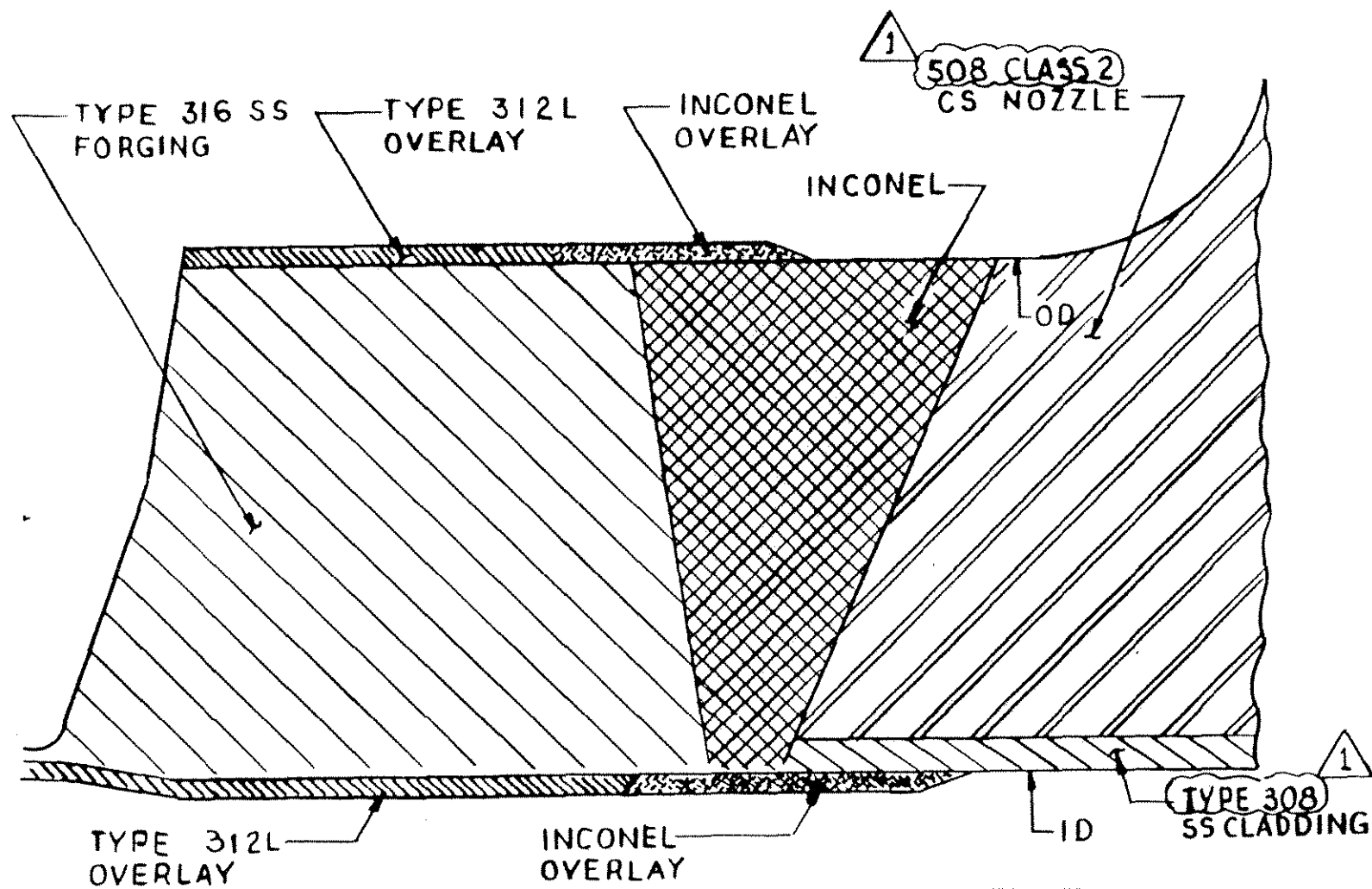
INDIAN POINT 3		FSAR UPDATE	
EFFECT OF FLUENCE AND COPPER CONTENT ON SHIFT OF RT <sub>NDT</sub> FOR REACTOR VESSEL STEELS EXPOSED TO 550°F TEMPERATURE			
REV. 1	JULY, 1984	FIGURE NO.	4.4-1



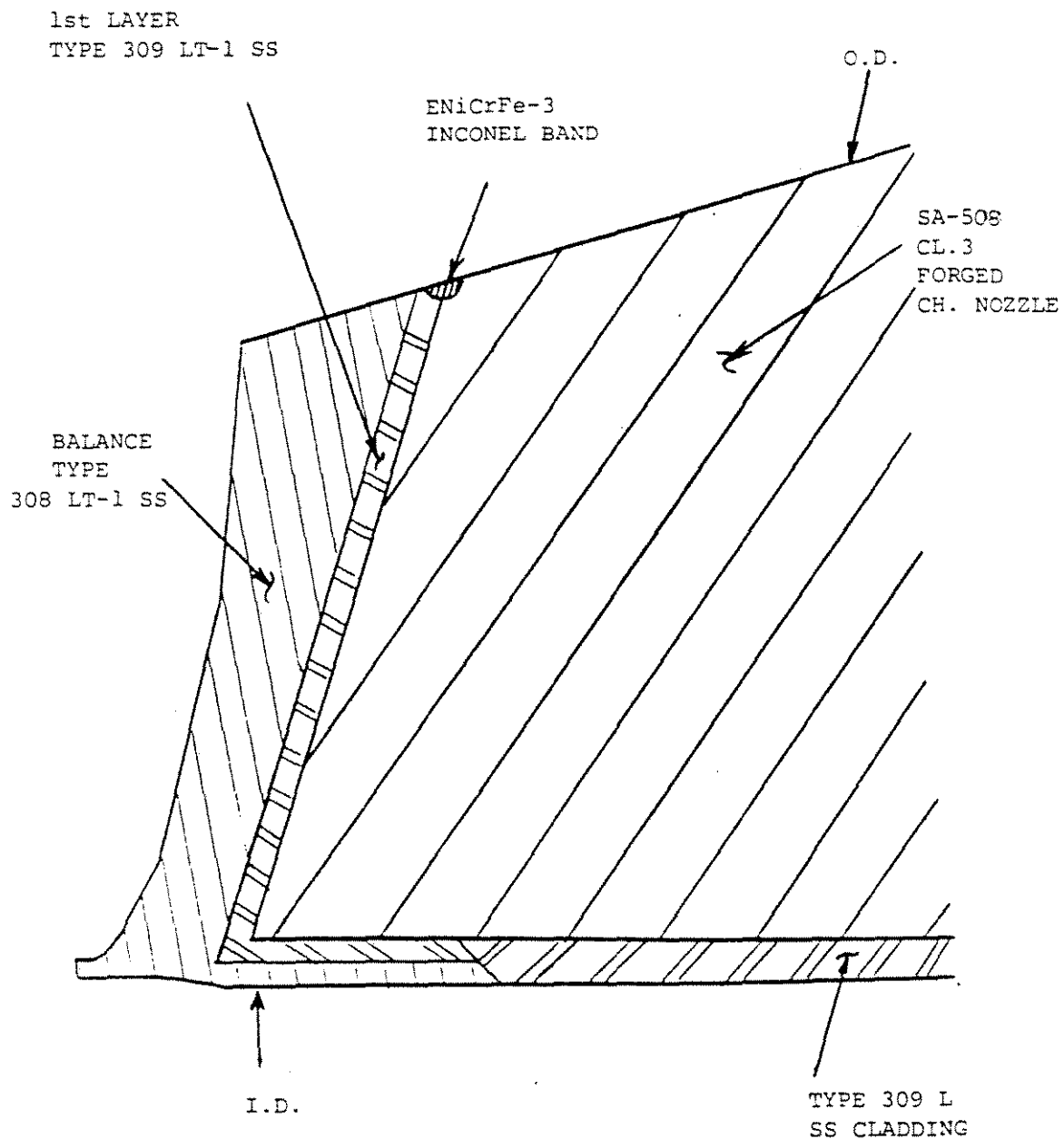
INDIAN POINT 3		FSAR UPDATE
TYPICAL SURVEILLANCE CAPSULE ELEVATION VIEW		
REV. 0	JULY, 1982	FIGURE NO. 4.5-1



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



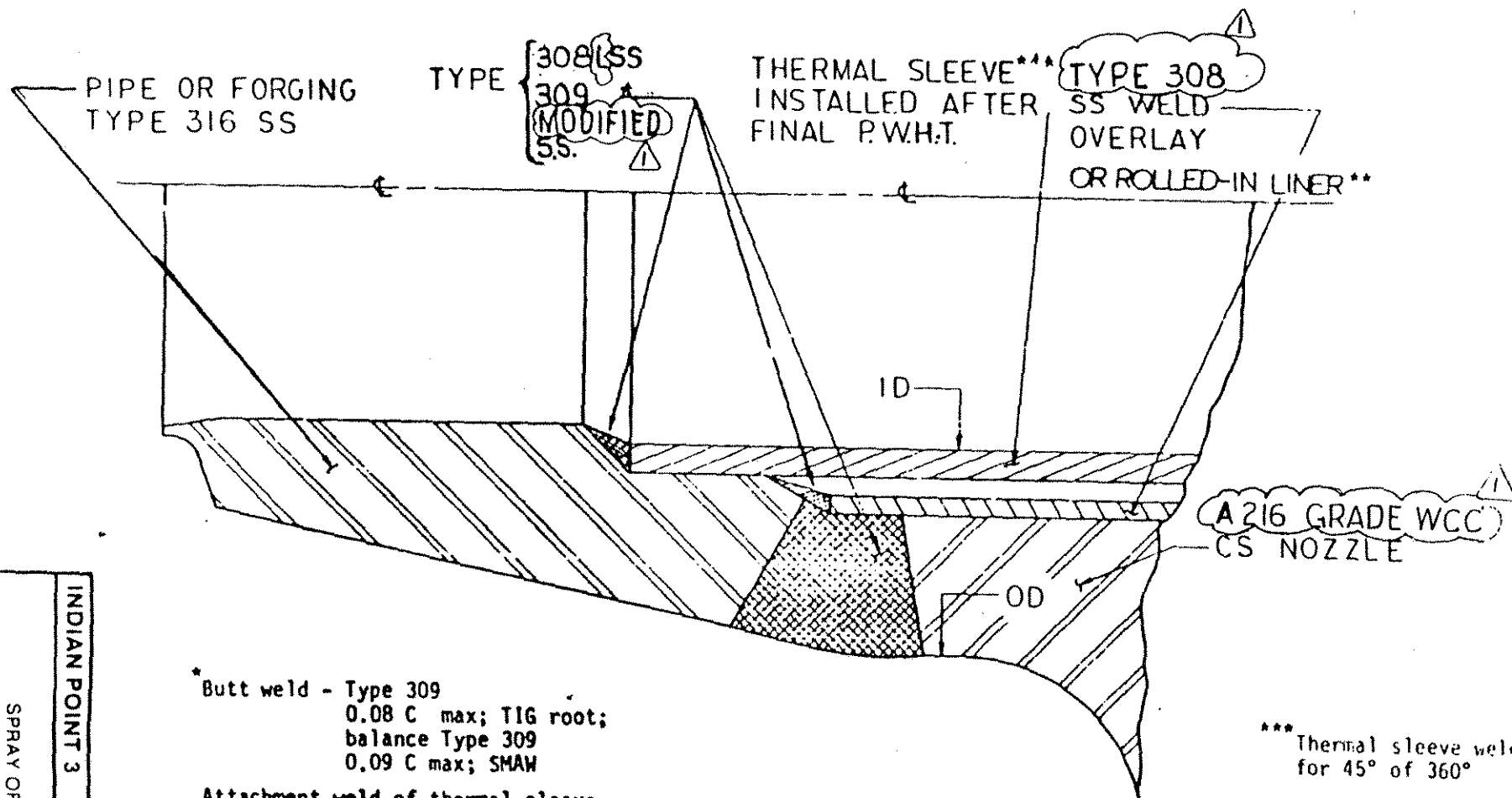
INDIAN POINT 3	FSAR UPDATE
PRIMARY NOZZLE COMBUSTION ENGINEERING REACTOR VESSEL	
REV. 1	JULY 1988
FIGURE NO. 4D-1	



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	