71-9132
PDR-[redacted]
[redacted]
Return
396-SS

NUCLEAR
PACKAGING, INC.

815 SO. 28TH STREET • TACOMA, WASHINGTON 98409 • (206) 572-7775 • 838-1243
TELEX: 152-556 "SEA"

July 26, 1982

Mr. Charles E. MacDonald, Chief
Transportation Certification Branch
Division of Fuel Cycle and Material
Safety
Nuclear Regulatory Commission
Washington, D.C. 20555

REFERENCE: Docket Number 71-9132
Model T-3 Shipping Cask

SUBJECT: Revision 9 Amendments submitted
July 23, 1982

Dear Mr. MacDonald:

Attached are eight (8) copies of Drawing E-4-61289, Revision 6, sheets 1, 2, and 3 of 4 which were inadvertently omitted from our July 23rd transmittal. For completeness, they should be inserted along with Sheet 4, Revision 6, which was previously submitted.

Thank you for your assistance.

Sincerely yours,

NUCLEAR PACKAGING, INC.

R. T. Haelsig

R. T. Haelsig

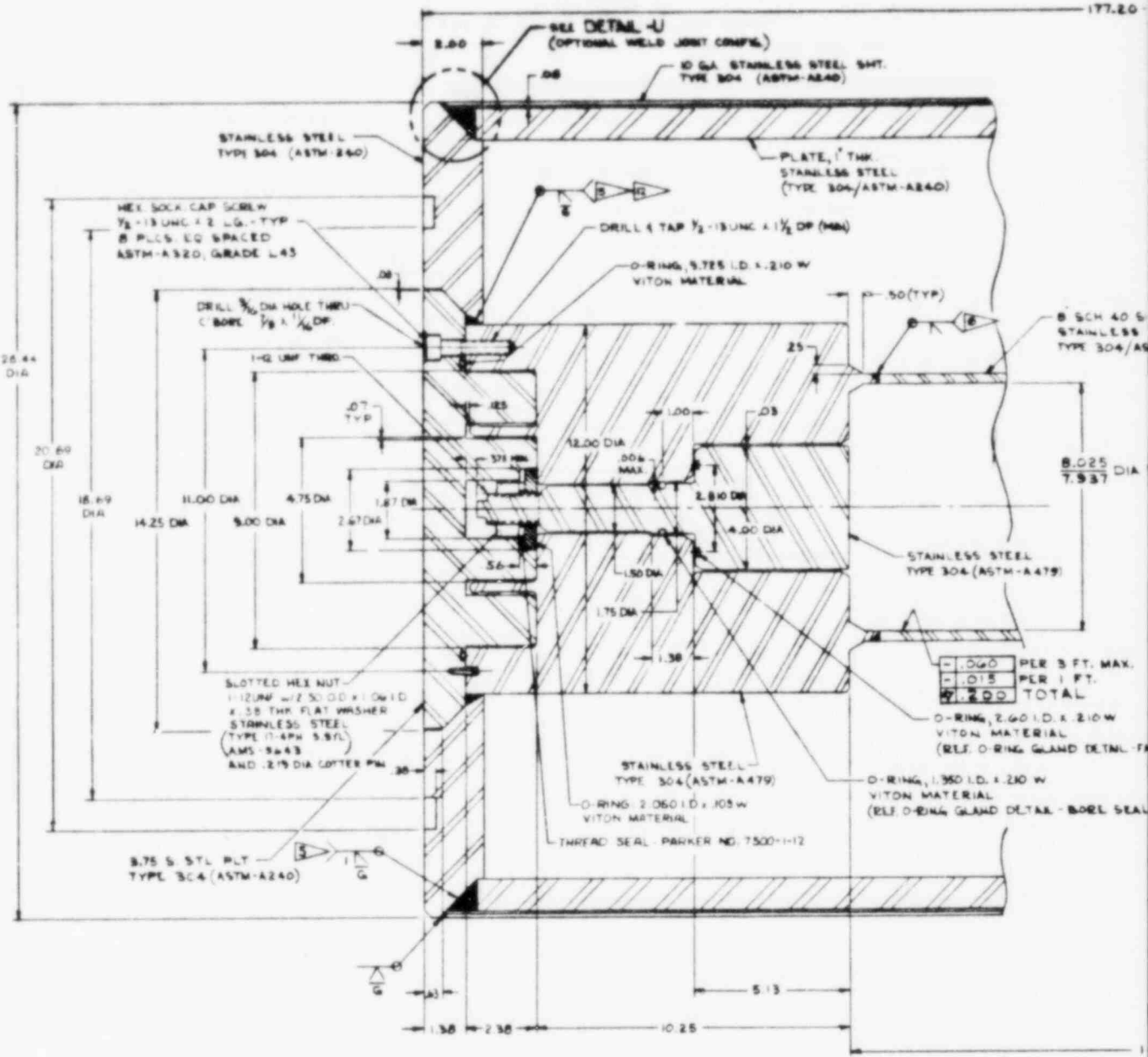
RTH/pro

cc: J. Berger, Westinghouse Hanford Co.

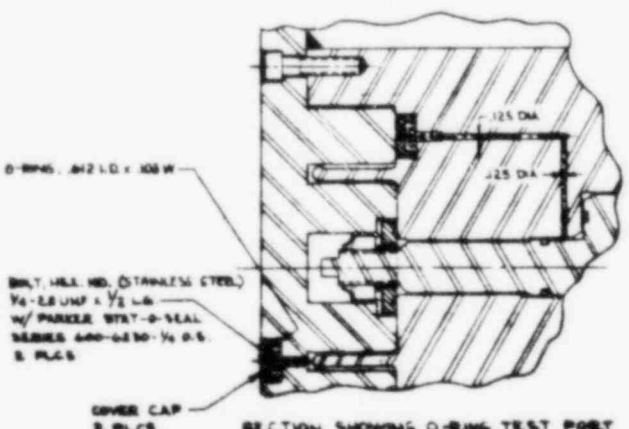
PDR EXEMPT
mfp

8208240633C

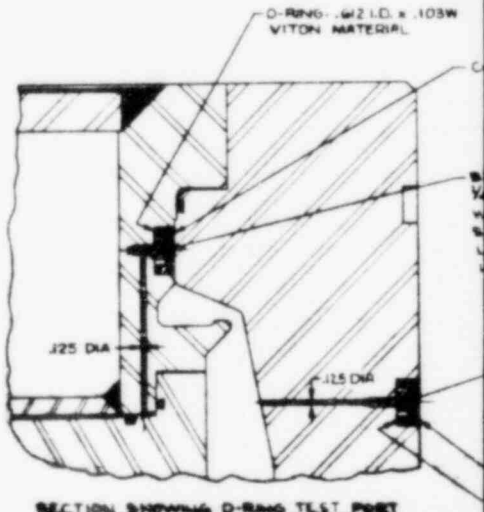
21026



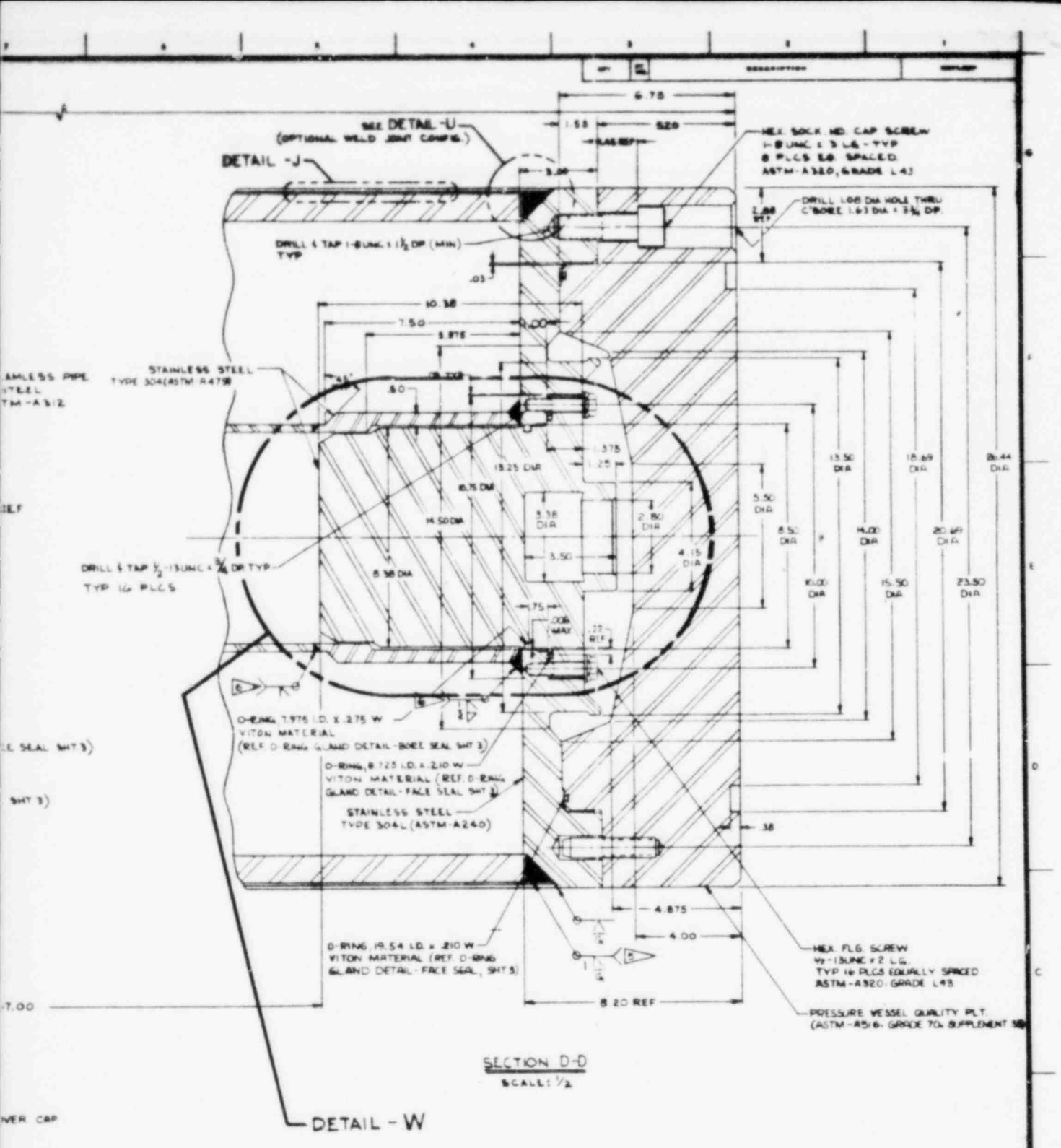
SECTION C-C
SCALE: 1/2



SECTION SHOWING O-RING TEST PORT
ON PUMP SIDE
SCALE: 1/2

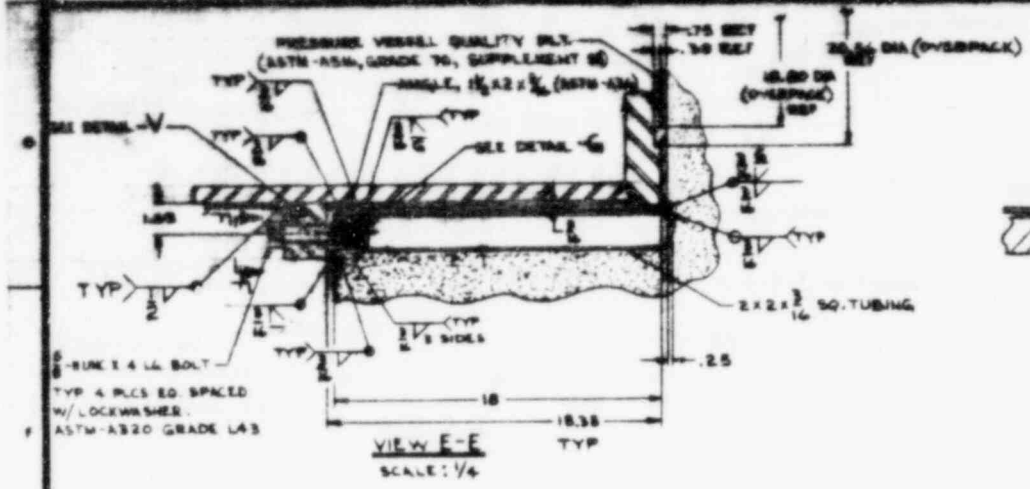


SECTION SHOWING O-RING TEST PORT
ON FLUID END
SCALE: 1/2

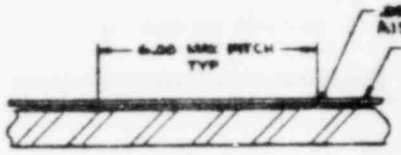


SECTION D-D
SCALE: 1/2

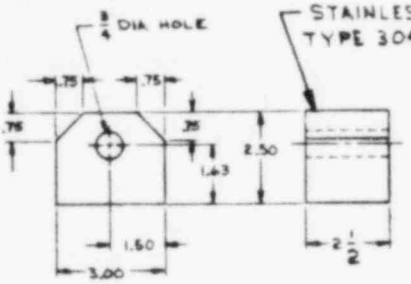
U.S. Department of Energy
Hanford Engineering Development Laboratory
T-3 SHIPPING CASK
FAST FLUX TEST FACILITY
W4-W1289



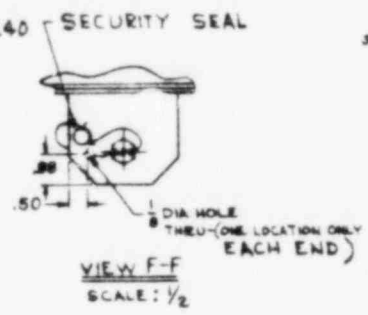
VIEW E-E
SCALE: 1/4



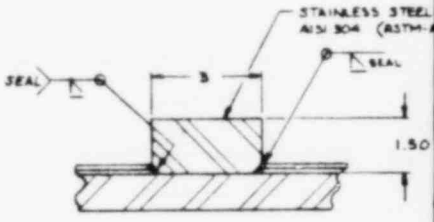
DETAIL -J
SCALE: 1/2



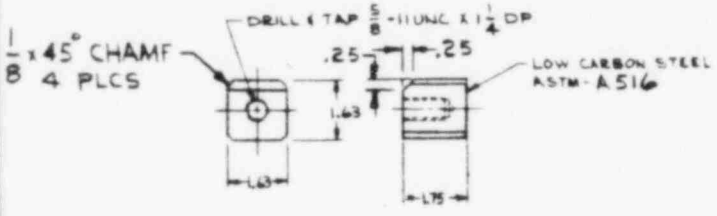
DETAIL -V
SCALE: 1/2



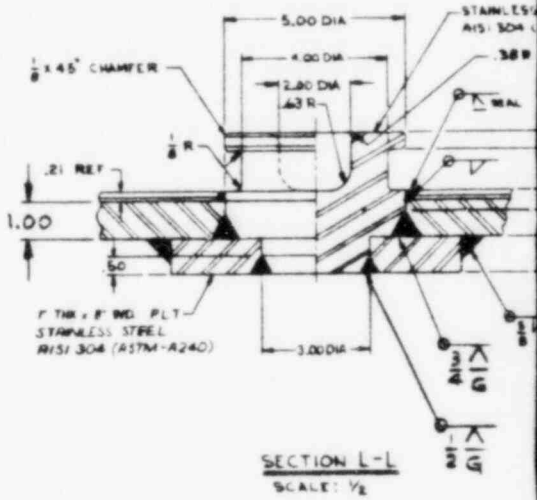
VIEW F-F
SCALE: 1/2



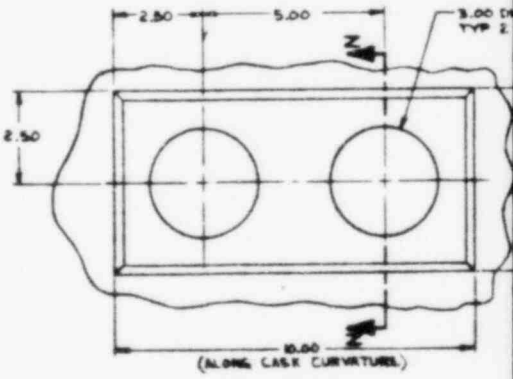
SECTION K-K
SCALE: 1/2



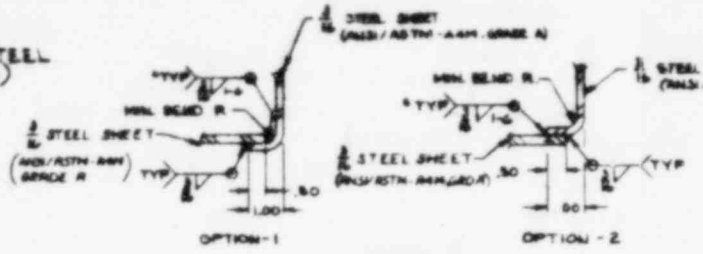
DETAIL -G
SCALE: 1/2



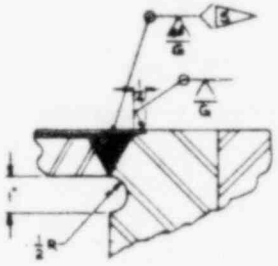
SECTION L-L
SCALE: 1/2



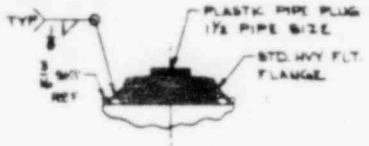
VIEW M-M
ROTATED 90°
SCALE: 1/2



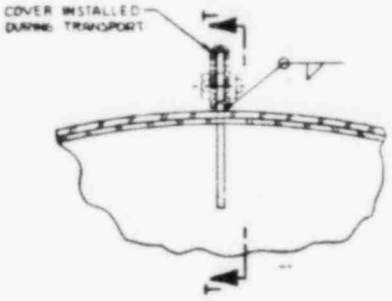
DETAIL - P
SCALE: ½
* NOT REQUIRED ON FINAL CLOSURE SHEETS.



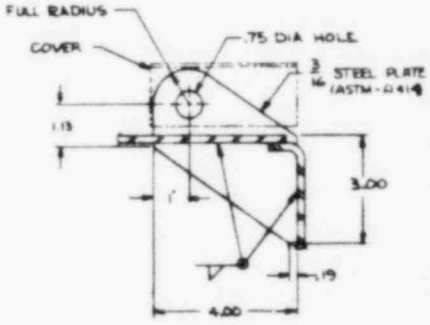
DETAIL - W
OPTIONAL WELD JOINT
(TYP BOTH ENDS)
SCALE: 1/2



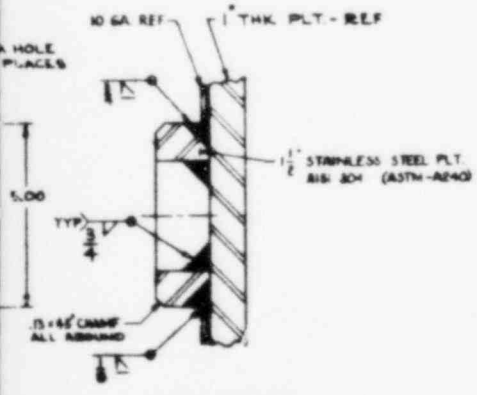
DETAIL - R
ROTATED 90°
SCALE: 1/2



SECTION S-S
SCALE: ½

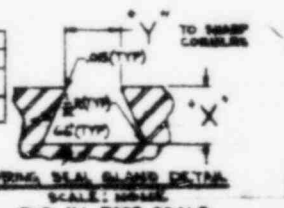


SECTION T-T
SCALE: ½

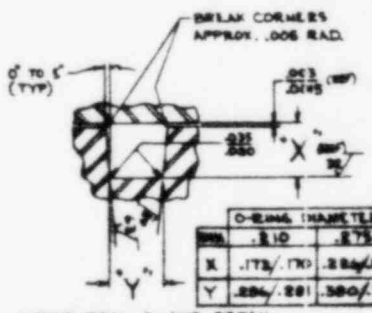


SECTION N-N
SCALE: ½

O-RING DIAMETER		
DIM	.103	.210
X	.081/.083	.180/.180
Y	.083/.087	.171/.175



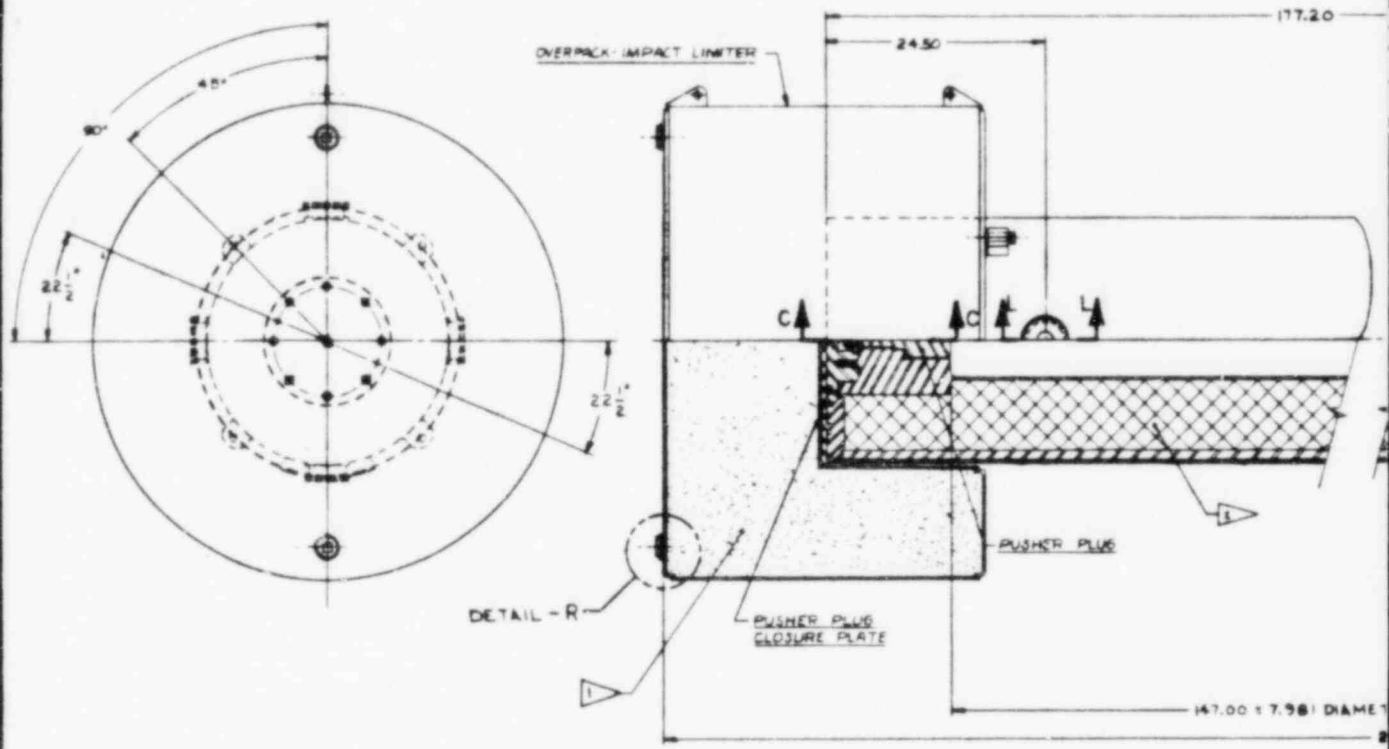
O-RING SEAL GLAND DETAIL
SCALE: NONE
TYP ALL FACE SEALS



O-RING DIAMETER		
DIM	.210	.275
X	.172/.170	.234/.229
Y	.224/.221	.280/.275

O-RING SEAL GLAND DETAIL
SCALE: NONE
TYP ALL BORE SEALS

U.S. Department of Energy
Richland Engineering Development Laboratory
T-3 SHIPPING CASK
H4-S1283



4. RADIOGRAPHIC INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH ASME CODE SECTION III, DIVISION 1, SUBSECTION NB, ARTICLE NB-5000 AND SECTION V, ARTICLE 2.

5. LIQUID PENETRANT INSPECTION SHALL BE PERFORMED ON ROOT PASS AND FINAL PASS IN ACCORDANCE WITH ASME CODE SECTION III, DIVISION 1, SUBSECTION NB, ARTICLE NB-5000 AND SECTION V, ARTICLE 6.

4. THREADS PER ASA B1.1 1969 EDITION

3. REFERENCE DATA:

CASK WT	52,500 LBS.
PAYLOAD	500 LBS.
GROSS WT	58,000 LBS.

2. LEAD: PER FEDERAL SPECIFICATION QQ-L-171a, GRADE A OR C.

1. FOAM FILL: 1,000 PSI CRUSH STRENGTH RIGID POLYURETHANE PER NUPAC FOAM SPECIFICATION NPT - F6.

NOTES: UNLESS OTHERWISE SPECIFIED

13. OVERPACK GUIDE PINS OPTIONAL

12. THIS WELD SHALL BE MADE AFTER LEAD POUR IS COMPLETED.

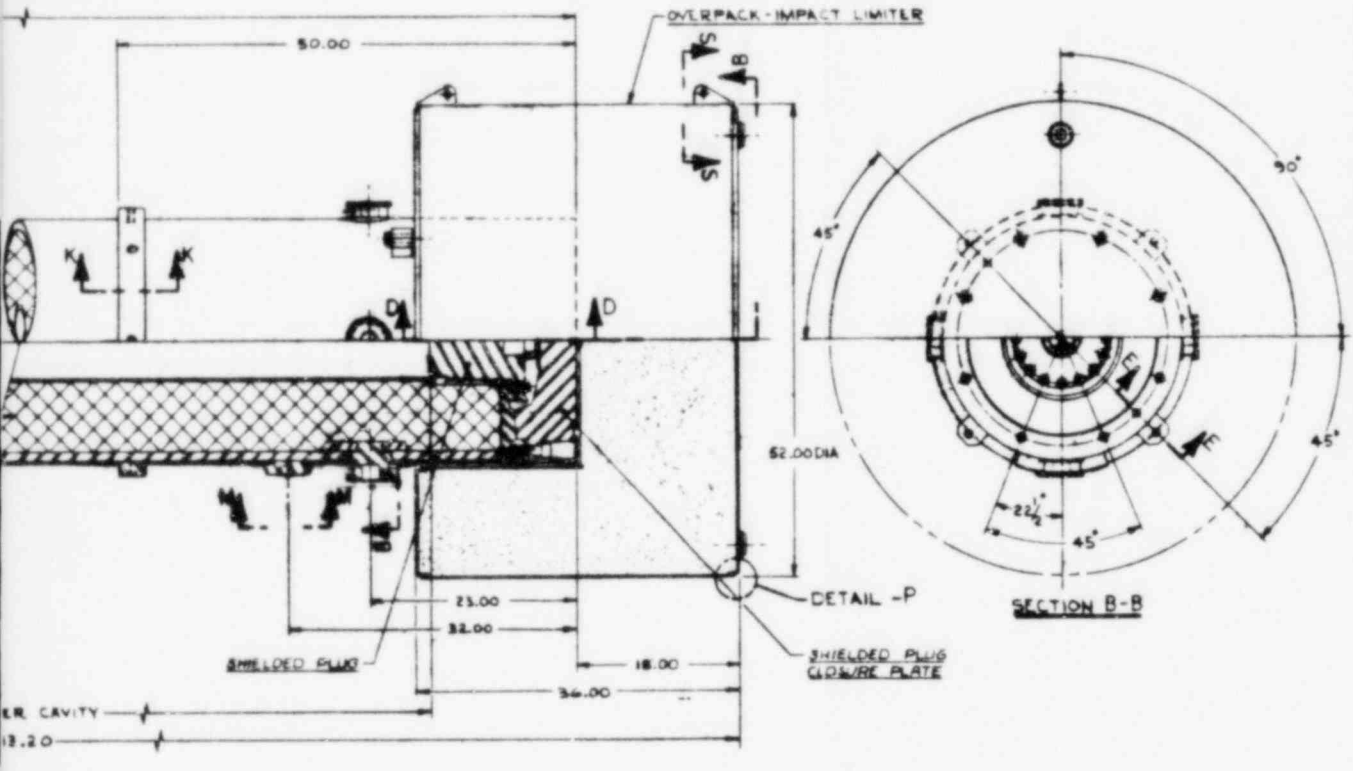
11. TORQUE OVERPACK ATTACHMENT BOLT (1-8 UNC) TO 400 FT-LBS ± 25 FT-LBS.

10. TORQUE PUSH ROD NUT (1-12 UNF) TO 50 FT-LBS. ± 10 FT-LBS.

9. TORQUE CONTAINMENT CLOSURE BOLTS ($\frac{1}{2}$ -13 UNC) TO 90 FT-LBS. ± 10 FT-LBS.

8. TORQUE END CLOSURE BOLTS ($\frac{1}{2}$ -13 UNC) TO 90 FT-LBS. ± 10 FT-LBS.

7. TORQUE END CLOSURE BOLTS (1-8 UNC) TO 400 FT-LBS. ± 10 FT-LBS.



	REMOVED HOLD DOWN RING DETAIL, SH 4 REFERENCED DWG N-3-5946 / ON SH 4	6
	ADDED DIMS TO DETAIL - X SHT 4	5
	ADDED ALTERNATE PLUG CONFIG., DET W, SHT 4 DETAIL X & H.D. RING DET.	4
	REVISED PER S.A.R. CHANGES AND REVISIONS	3
	REVISED PER S.A.R. CHANGES AND REVISIONS	2
	REVISED PER S.A.R. CHANGES AND REVISIONS	1

U.S. Department of Energy

Idaho Engineering Development Laboratory

T-3 SHIPPING CASK

FAST FLUX TEST FACILITY

M4-6128