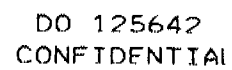


H-1 Vessel Entry

DO 125641
CONFIDENTIAL



D-1 VESSEL ENTRY PROCEDURE

SHEET 2 OF 3

1-2-81

<u>TAG NO.</u>	<u>POSITION</u>
1	DOWNSTREAM BLOCK VALVE OF D-1 UPPER P.C.V.
2	DOWNSTREAM BLOCK VALVE OF D-1 LOWER P.C.V.
3	VENT TO HE-11 (FROM D-1)
4	UPSTREAM BLOCK VALVE OF D-1 LOWER P.C.V. <u>TAG - OPEN</u>
5	DRAIN ON UPSTREAM SIDE OF D-1 LOWER P.C.V. <u>TAG - OPEN</u>
6	AMMONIA FLOW CONTROL LOOP BY PASS VALVE
7	VALVE DOWNSTREAM OF AMMONIA FLOW CONTROL VALVE
8	VALVE IN AMMONIA LINE TO D-1 (AT D-1)
9	VALVE ON DRAIN LINE UP STREAM OF HE-8 <u>TAG - OPEN</u>
1.0	VALVE ON CAUSTIC OUT THE BOTTOM OF D-1 (AT D-1)
1 1	VALVE ON DOWNSTREAM SIDE OF D-1 L.C.V.
1 2	By PASS VALVE ON D-1 L.C.V. LOOP
1 3	DRAIN ON CAUSTIC INLET LINE TO HE-9 <u>TAG - OPEN</u>
1 4	DRAIN ON D-1 SIDE OF CAUSTIC OUTLET BLOCK VALVE - REMOVE BLIND 2ND <u>TAG - OPEN</u>

D-1 VESSEL ENTRY PROCEDURE

SHEET 3 OF 3

1-2-81

<u>TAG NO.</u>	<u>POSITION</u>
1 5	PURGE TO TOP D-1 LEVEL TAP (MISALIGN AFTER TAGGED)
1 6	PURGE TO BOTTOM D-1 LEVEL TAP (MISALIGN AFTER TAGGED)
1 7	P 21 P-B DISC. VALVE
1 8	P 21 P-A DISC. VALVE
1 9	CAUSTIC FEED TO D-1 (@ D-1)
2 0	DRAIN IN CAUSTIC LINE TO D-1 (BY HE-7) <u>TAG - OPEN</u>
2 1	BLIND ON LINE TO VENT HEADER (PULL D-1 P.S.V. AND INSTALL BLIND ON VENT HEADER FLANGE)
2 2	INSTALL PANCAKE BLIND IN D-1 OVERHEAD LINE TO D-2

INSTALL AIR MOVER ON COLUMN.

AIR SAMPLE MUST BE CAUGHT AND RESULT GOT before PERMIT CAN BE ISSUED.

DO 125644
CONFIDENTIAL

PREPARATION OF D-2 FOR VESSEL ENTRY

- A. Shut purification down and vent D-2 to HE-11. Block in reflux lines at T-25, but leave the reflux line open at D-2 so that both lines will vent down also. Let the D-2 feed line vent as far as the downstream block valves of the D-1 pressure control valves.
- B. Wash out both reflux lines from T-25 reflux drain into D-2. The D-2 feed line can be washed best by putting the aqua pump on water. Open drain on D-2 feed line when washing is finished.
- C. Wash out from HE-21 through T-25 into D-2 overhead line and into D-2 for two hours minimum.
- D. Red tag the following valves closed unless otherwise noted to allow installation of blinds.

Red Tag No.:

Location:

- 1. Block valve on reflux line at T-25 level control loop from T-23.
- 2. Tag open drain valve on reflux line by T-25.
- 3. Reflux line from T-26 s/o T-25.
- 4. Reflux line into D-2.
- 5. Block valve downstream of upper D-1 pressure control valve.
- 6. Block valve downstream of lower D-1 pressure control valve.
- 7. Block valve on aqua ammonia line where it ties into D-2 feed line.
- 8. Block valve between T-25 and D-2 overhead line.
- 9. Block valve on vent line from D-2 overhead line to HE-11.
- 10. Block valve on 400# steam line in southwest corner of power block.
- 11. Drain valve on 400# steam line. Tag open.
- 12. 400# steam block valve at D-2.
- 13. 400# steam bypass valve at D-2.
- 14, 15, 16, & 17. Block valves on ammonia inlet to HE-10A, B, C, & D.
- 18. Bypass block valve around D-2 level control valve.
- 19. Block valve downstream of D-2 level control valve.

DO 125645
CONFIDENTIAL

- 20. Tag drain open on D-2 level control loop.
- 21. Block valve on condensate purge to D-2 at purge pumps.
- 22. Tag drain open on D-2 feed line by D-1 pressure control.

E. Blind the following. Blinds must have red tag attached.

Red Tag No.:

Location:

- 23. Downstream of block valve on upper D-2 inlet.
- 24. Downstream of block valve on lower D-2 inlet.
- 25. On D-2 side of 3-way valve to D-2 safety valves.
- 26. D-2 overhead nozzle.

The following should be mis-aligned and red tagged.

- 27. Break and mis-align condensate feed to level taps right below switching point.
- F. Remove upper and lower manways on D-2.
- G. Install air mover in upper manway on D-2. Air mover must be grounded to vessel.
- H. Provide low voltage light for work inside vessel.
- I. Provide supplied air respirator for each man working in vessel.
- J. Vessel must be "sniffed" for oxygen content and explosive mixtures.
- K. Vessel entry permit may be issued.
- L. Vessel must be "sniffed" for ammonia content.

DO 125646
CONFIDENTIAL

JOB NO. _____

AUTH. N. _____

CHARGE N. _____

FILE NO. _____

SUBJECT D-2 AMMONIA STRIPPER

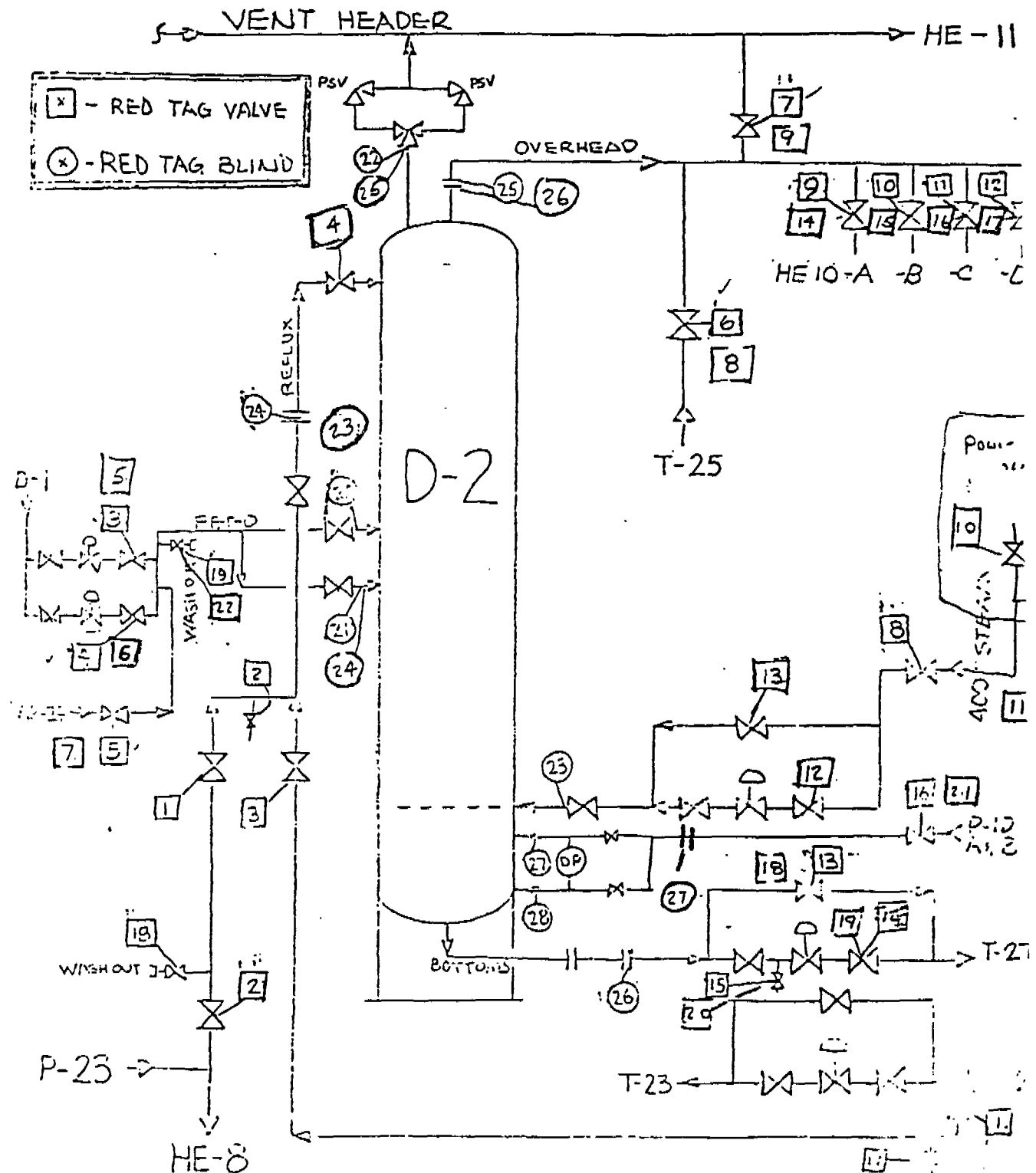
BY R. WITTMANN

VESSEL ENTRY BLINDING PROCEDURE

DATE 3-17-76

SHEET _____ OF _____

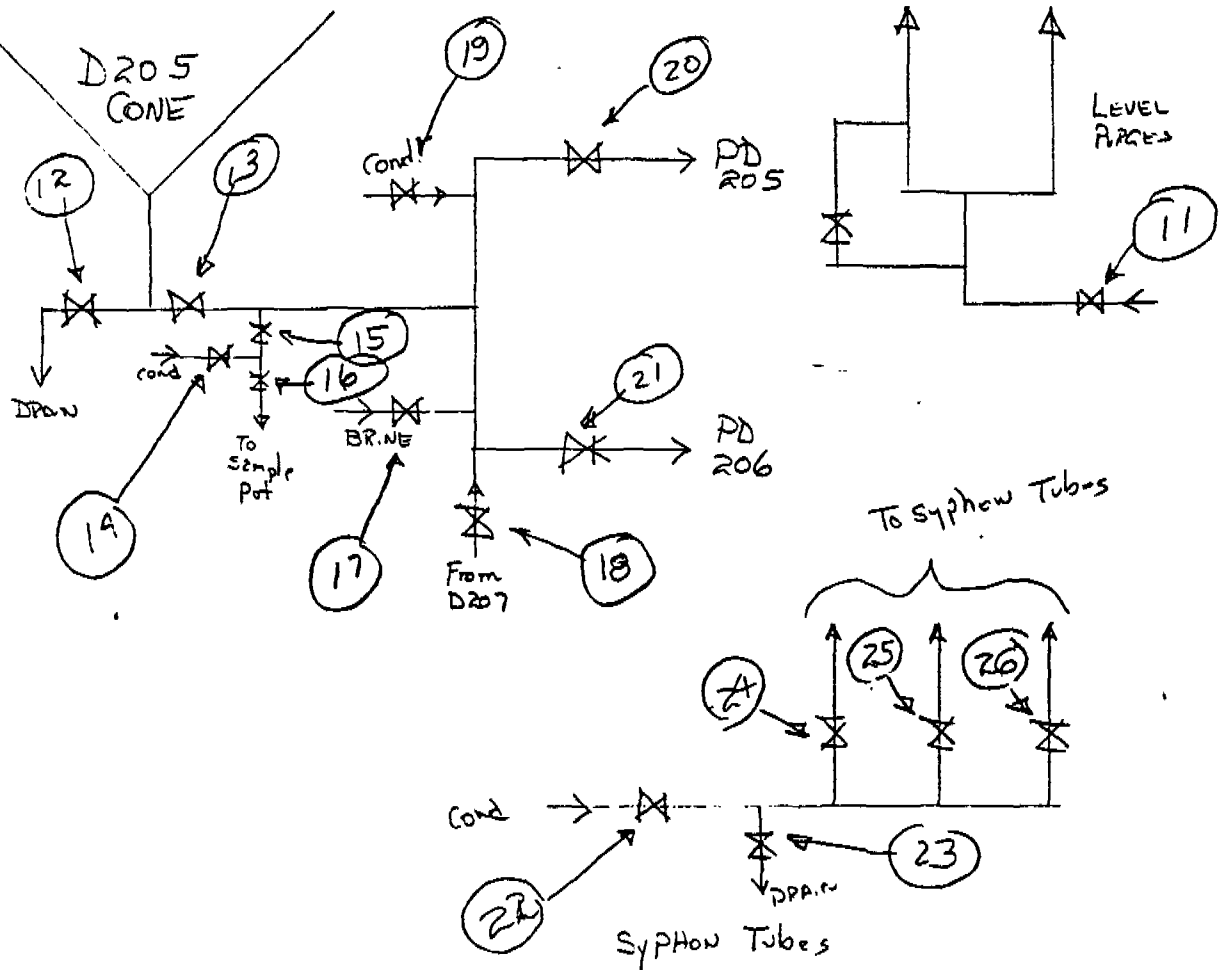
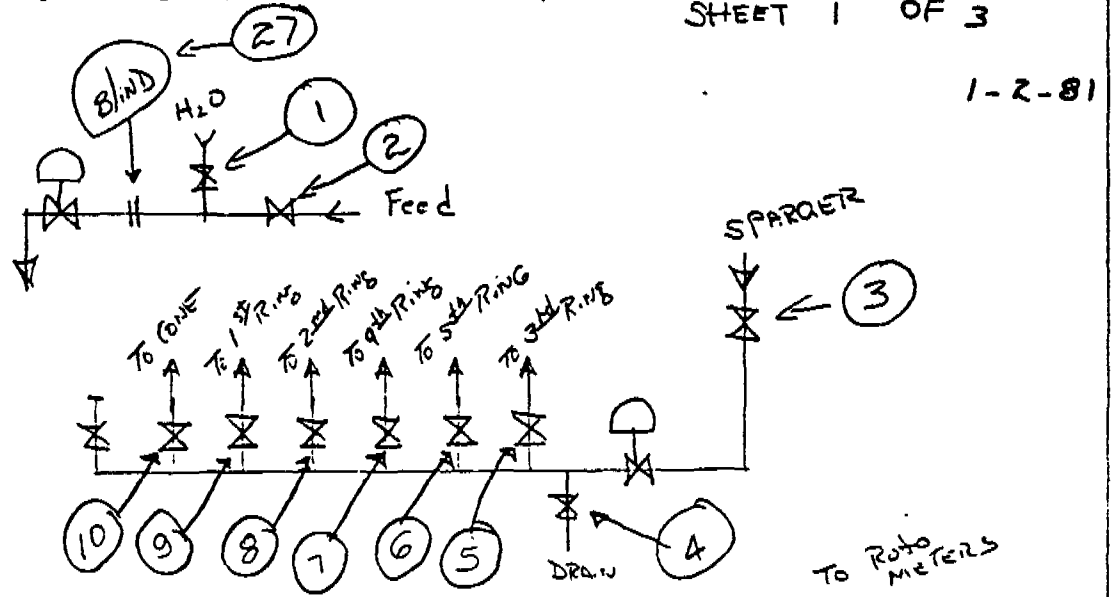
CHECKED BY _____



D 205 VESSEL ENTRY

SHEET 1 OF 3

1-2-81



DO 125648
CONFIDENTIAL

D205 VESSEL ENTRY PROCEDURE

SHEET 2 OF 3

1-2-81

<u>TAG NO.</u>	<u>POSITION</u>
1	WATER TO D205 FEED LINE (TOP OF COLUMN)
2	FEED TO D205 (TOP OF COLUMN)
3	SPARGER LINE - VALVE UP STREAM OF F.C.V.
4	DRAIN ON SPARGER LINE - <u>TAG OPEN</u>
5	VALVE TO #3 SPARGER RING (NOTE: RINGS ARE COUNTED FROM THE BOTTOM UP)
6	VALVE TO #5 RING
7	VALVE TO #4 RING
8	VALVE TO #2 RING
9	VALVE TO #1 RING
10	VALVE TO CONE WATER
1.1	CONDENSATE TO LEVEL PURGES NOTE: MISALIGN TUBING AFTER TAGGING
12	SUCTION LINE DRAIN - <u>TAG OPEN</u>
13	SUCTION BLOCK VALVE
14	CONDENSATE TO SAMPLE POINT
15	SAMPLE POINT HEADER VALVE - <u>TAG OPEN</u>
16	SAMPLE POINT VALVE TO SAMPLE PT. <u>TAG OPEN</u>

DO 125649
CONFIDENTIAL

D 205 VESSEL ENTRY PROCEDURE

SHEET 3 OF 3

1-2-81

<u>TAG NO:</u>	<u>POSITION</u>
1 7	BRINE TO Pump Suction
1 8	D207 Liquid To Pump Suction
1 9	CONDENSATE TO Pump Suction
2 0	PD 205 Suction VALVE
2 1	PD 206 Suction VALVE
2 2	CONDENSATE TO Syphon Tube upstream of BLEED
2 3	CONDENSATE TO Syphon Tube DRAIN- <u>TAG OPEN</u>
2 4	WEST Syphon Tube
2 5	MIDDLE Syphon Tube
2 6	EAST Syphon Tube
2 7	BLIND IN FEED LINE

INSTALL Air Mover in Top Manway and put in operation.
CATCH Air Sample and PUT RESULT ON VESSEL ENTRY
PERMIT.

SNIFF Column WITH Oxygen/Explosive Meter.

NEEDS SAFETY OBSERVER WHEN ENTRY SOMEONE IN VESSEL

DO 125650
CONFIDENTIAL



L UISIANA DIVISION

J B N _____

AUTH. NO. _____

CHARGE NO. 45-01000

FILE NO. _____

SUBJECT E-7 VESSEL INSPECTION FOR BY C. Gilbert" 22 - VISUAL INTERNAL " DATE 2/13/80SHEET 1 OF 4 CHECKED BY _____

E-7 VESSEL ENTRY PROCEDURE

I. TAKE E-7 OFF THE LINE USING OUR NORMAL SHUTDOWN PROCEDURE. BE SURE TO DRAIN THE HEAT EXCHANGER AND EVAPORATOR OF ANY LIQUID LEVELS.

II. RED TAG PROCEDURE:

RED TAG No.LOCATION OF RED TAG.

1. 235# STEAM BYPASS VALVE TO HE-19.
2. 235# STEAM VALVE UPSTREAM OF AUTO VALVE TO HE-19.
3. 235# STEAM VALVE "DOWNSTREAM" OF AUTO VALVE TO HE-19.
4. 235# STEAM BLEED TO BYPASS. (TAG OPEN).
5. CONDENSATE VALVE TO HE-19 DESUPERHEATER.
6. CONDENSATE BYPASS VALVE TO HE-19 DESUPERHEATER.
7. CONDENSATE VALVE "DOWNSTREAM" OF AUTO VALVE TO HE-19 DESUPERHEATER.
8. CONDENSATE BLEED TO HE-19 DESUPERHEATER. (OPEN)
9. 50% NaOH FEED VALVE TO HE-19
10. 50% NaOH FEED "DOWNSTREAM" TO HE-19
11. 50% NaOH BLEED VALVE TO HE-19 (TAG OPEN)
12. 50% NaOH FEED BYPASS VALVE TO HE-19.

DO 125651
CONFIDENTIAL

H-10



JOB NO. _____

AUTH. NO. _____

CHARGE NO. 45-01000

FILE N. _____

SUBJECT E-7 VESSEL INSPECTION FORBY C. Gilbert22 - VISUAL INTERNALDATE 2/13/80SHEET 2 OF 4

CHECKED BY _____

13. CONDENSATE VALVE OUT OF HE-19 TO CT-1.
14. CONDENSATE BYPASS VALVE OUT OF HE-19 TO CT-1.
15. CONDENSATE VALVE "DOWNSTREAM" OUT OF HE-19 TO CT-1.
16. CONDENSATE BLEED OUT OF HE-19 TO CT-1.
17. E-7 KRC DOWNSTREAM MANUAL VALVE ON 73% NaOH TO T47.
18. E-7 KRC MANUAL VALVE ON 73% NaOH TO T47.
19. E-7 KRC DRAIN VALVE. (OPEN)
20. P7E-A SUCTION VALVE.
21. P7E-A SUCTION LINE DRAIN. (OPEN)
22. P7E-A FIELD SWITCH
23. P7E-A SWITCH GEAR (LOCK)
24. P7E-A CONDENSATE WASH
25. P7E-A DISCHARGE VALVE
26. P7E-A DISCHARGE SAMPLE POINT VALVE.
27. P7E-B SUCTION VALVE
28. P7E-B SUCTION LINE DRAIN VALVE.
29. P7E-B FIELD SWITCH H-11

DO 125652
CONFIDENTIAL



JOB N _____

AUTH. NO. _____

CHARGE NO 45-01000

FILE NO. _____

SUBJECT E-7 VESSEL INSPECTIONBY C. GILBERTDATE 2/13/80SHEET 3 OF 4 CHECKED BY _____

30. P7E-B SWITCH GEAR
31. P7E-B CONDENSATE WASH VALVE
32. P7E-B DISCHARGE VALVE
33. P7E-B DISCHARGE SAMPLE POINT VALVE.
34. CONDENSATE TO DE7-ME BLOCK VALVE.
35. CONDENSATE TO DE7-ME BLEED VALVE.
36. CONDENSATE WASH VALVE TO HE-19 FEED.
37. BLOCK VALVE ON E-7 VACUUM BREAKER.
38. } E-7 SHOT WASH TO THE TOP.
39. } DOUBLE BLOCK & BLEED.
40. }
41. } E-7 SHOT WASH TO THE CONE.
42. } DOUBLE BLOCK & BLEED.
43. }
44. RIVER H₂O TO BE-4 BLOCK VALVE. DO 125653
CONFIDENTIAL
45. } 235# STEAM TO THE PRIMARY, SECONDARY AND
46. } HOGGING JETS.
47. } DOUBLE BLOCK & BLEED THE LINE TO THE JETS.
48. VAPOR VALVE TO THE PRIMARY JET. J-4
49. VAPOR VALVE TO THE SECONDARY JET. J-5
50. RIVER H₂O TO BE-6 AFTER CONDENSER. H-12



DOH CHEMICAL CORP.
LOUISIANA DIVISION

JOB NO. _____

AUTH. NO. _____

CHARGE NO. 45-01000

FILE NO. _____

SUBJECT E-7 VESSEL INSPECTION

BY C. GILBERT

DATE 2/13/80

SHEET 4 OF 4

CHECKED BY _____

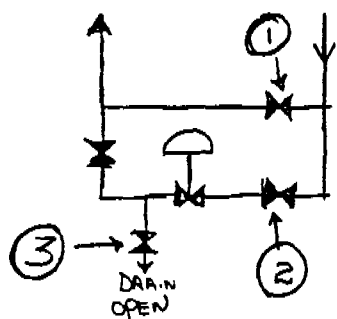
51. RIVER H₂O TO BE-5 INTER CONDENSER.

DO 125654
CONFIDENTIAL

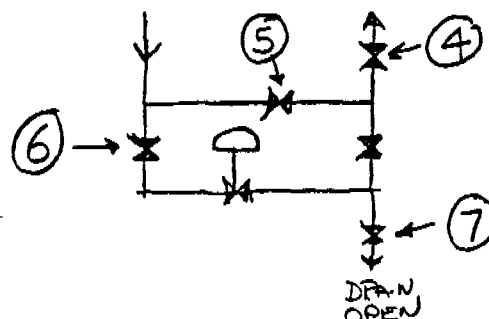
E 204 VESSEL ENTRY TAG OUT PROCEDURE

J.J. Hymel
12-15-80

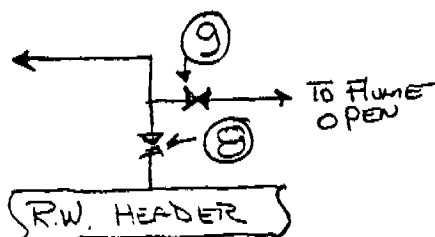
1 6



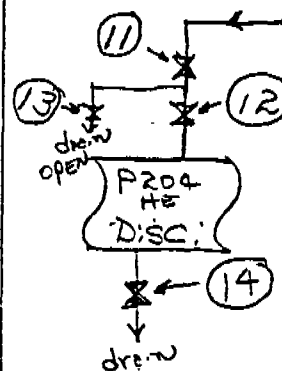
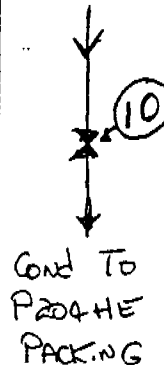
STEAM TO HE 219



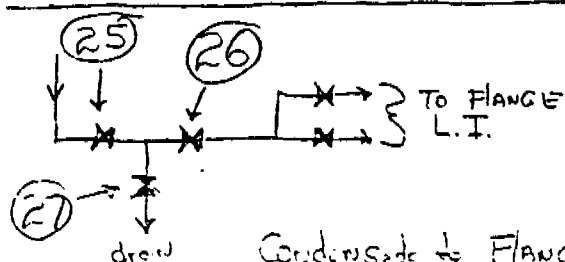
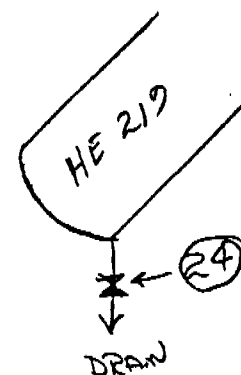
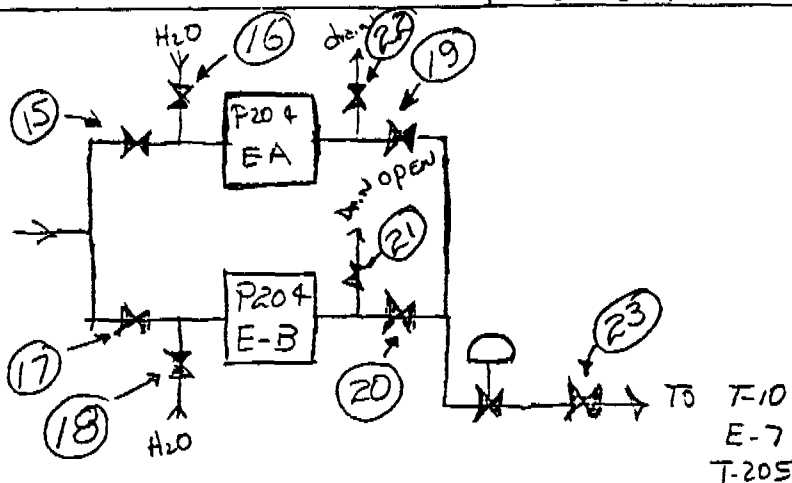
CONDENSATE TO HE 219 DESUPHTR



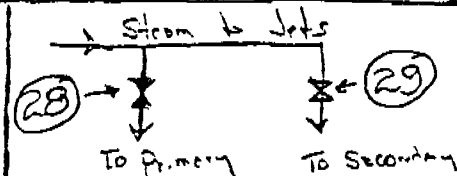
R/W TO BE 204



SHOT WATER
TO P204 HE
DISCHARGE



CONDENSATE TO FLANGE L.I.



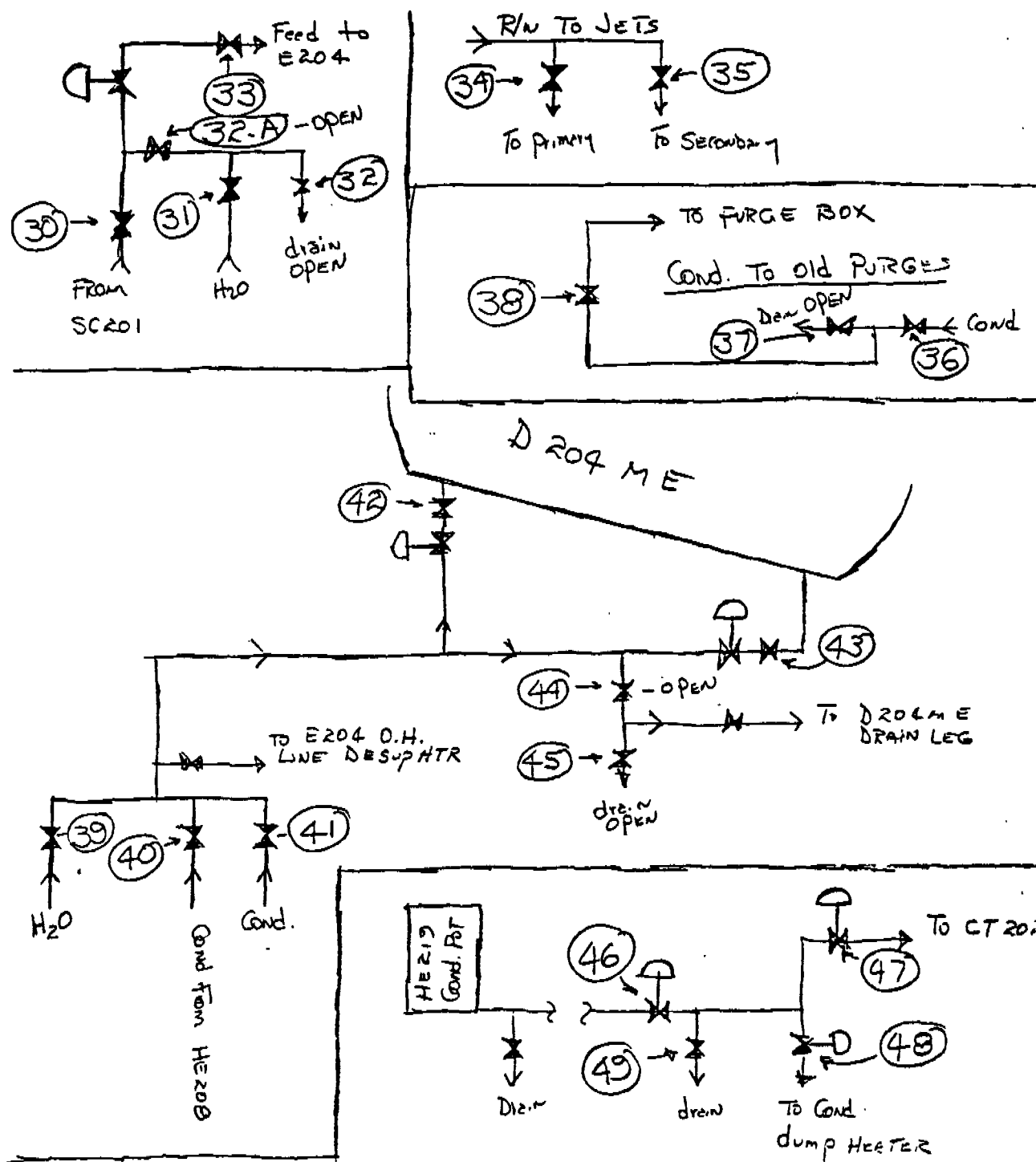
DO 125655
CONFIDENTIAL

H-1

E204 VESSEL ENTRY TAG OUT PROCEDURE

2 6

J.J. Hyman
12-15-80



E204 VESSEL ENTRY TAG OUT
PROCEDURE - TAG LIST

J.J. Hymel
12-15-80

3 · 6

<u>TAG NO.</u>	<u>POSITION</u>
1	STEAM TO HE 219 BY PASS VALVE
2	STEAM TO HE 219 UPSTREAM OF FLOW CONTROL VALVE
3	DRAIN - DOWNSTREAM OF FLOW CONTROL VALVE IN OPEN POSITION
4	CONDENSATE TO HE 219 DESUPHTR - DOWNSTREAM OF CONTROL LOOP
5	CONDENSATE TO HE 219 DESUPHTR - BY PASS
6	CONDENSATE TO HE 219 DESUPHTR - UPSTREAM OF FLOW CONTROL VALVE
7	DRAIN ON DESUPHTR CONTROL LOOP - <u>OPEN</u>
8	RIVER WATER TO BE 204 at THE HEADER
9	BLEED TO FLUME ON R/W TO BE 204 LINE - OPEN
10	CONDENSATE TO P204 HE PACKING
11	SHOT WATER TO HE 219 - UPSTREAM OF D.B. #8
12	SHOT WATER TO HE 219 - DOWNSTREAM OF D.B. #8
13	DRAIN ON SHOT WATER LINE - OPEN
14	DRAIN ON P204 HE DISC. LINE - <u>OPEN</u>
15	P204 EA SUCTION VALVE

DO 125657
CONFIDENTIAL

H-16

E 204 VESSEL ENTRY TAG OUT
PROCEDURE - TAG LIST

4 6

J.J. Hymel
12-15-80

<u>TAG NO.</u>	<u>POSITION</u>
1 6	WATER TO P204 E A SUCTION LINE
1 7	P204 E-B SUCTION VALVE
1 8	WATER TO P204 E-B SUCTION LINE
1 9	P204 E-A DISC. VALVE
2 0	P204 E-B DISC. VALVE
2 1	DRAIN ON P204 E-B DISC - OPEN
2 2	DRAIN ON P204 E-A DISC. - OPEN
2 3	VALVE ON LINE TO T-10, E-7 OR T-205
2 4	DRAIN ON BOTTOM OF HE 219 - OPEN
2 5	CONDENSATE TO FLANGE L.I. - UPSTREAM OF D.B. F.B.
2 6	CONDENSATE TO FLANGE L.I. - DOWNSTREAM OF D.B. F.B.
2 7	DRAIN ON D.B. F.B. - OPEN
2 8	STEAM TO PRIMARY JET
2 9	STEAM TO SECONDARY JET
3 0	VALVE IN FEED LINE FROM SC-201 - UPSTREAM OF L.C. V.

E 204 VESSEL ENTRY TAG OUT
PROCEDURE - TAG LIST

J. J. Hymel
12-15-80

5 6

<u>TAG NO.</u>	<u>POSITION</u>
3 1	WASH WATER TO E204 FEED LINE
3 2	DRAIN ON WATER LINE - OPEN
3 2 A	WATER VALVE AT CAUSTIC LINE - OPEN
3 3	VALVE ON FEED LINE AT E204
3 4	RIVER WATER TO PRIMARY JET
3 5	RIVER WATER TO SECONDARY JET
3 6	CONDENSATE TO OLD PURGES - UP STREAM OF BLEED VALVE
3 7	DRAIN ON CONDENSATE LINE - OPEN
3 8	CONDENSATE TO OLD PURGES - DOWNSTREAM OF BLEED VALVE
3 9	WATER TO D 204 ME -
4 0	CONDENSATE TO D204 ME FROM HE 208
4 1	CONDENSATE TO D204 ME
4 2	CONDENSATE TO D204 ME 2 nd VESSEL - EAST END
4 3	CONDENSATE TO D204 ME 1 st VESSEL - WEST END
4 4	CONDENSATE TO D204 ME DRAIN LEG - OPEN
4 5	DRAIN ON COND LINE TO D204 ME DRAIN LEG - OPEN

DO 125659
CONFIDENTIAL

H-18

E 204 VESSEL ENTRY TAG OUT
PROCEDURE - TAG LIST

6 . 6

J.J. Hymel
12-15-80

<u>TAG. NO.</u>	<u>POSITION</u>
4 6	HE 219 CONDENSATE L.C.V.
4 7	HE 219 CONDENSATE TO CT 202 CONTROL VALVE
4 8	HE 219 CONDENSATE TO DUMP HEADER CONTROL VALVE
4 9	DRAIN ON CONDENSATE CONTROL LOOP - OPEN
5 0	P204 HE SWITCH GEAR
5 1	P204 HE FIELD SWITCH

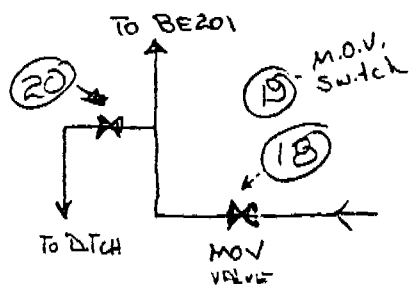
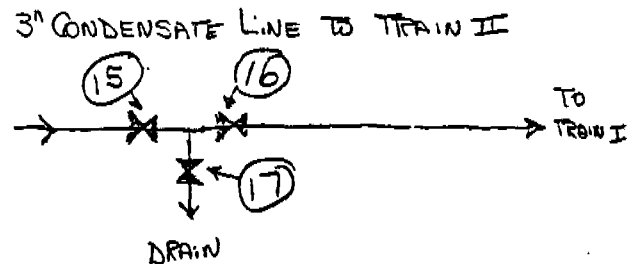
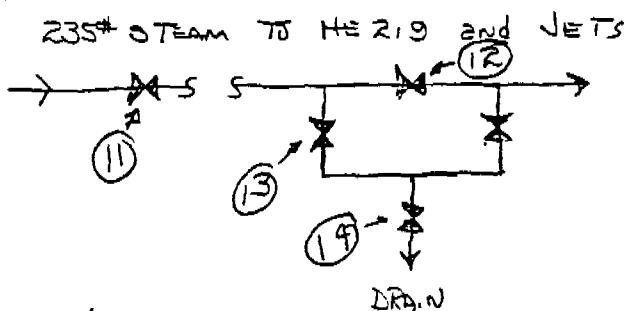
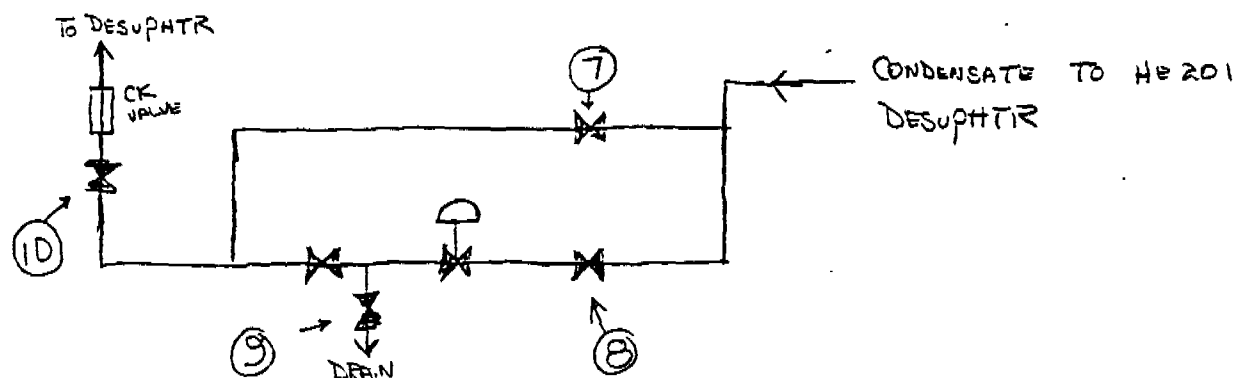
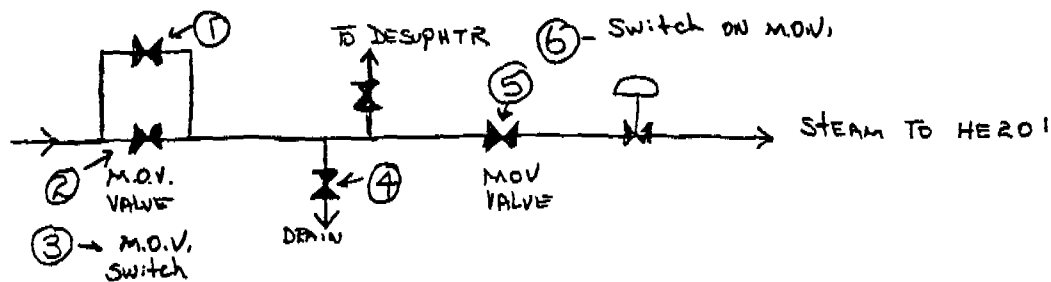
DO 125660
CONFIDENTIAL

H-19

TRIPLE EFFECT (E-1A, E202 & E203) VESSEL ENTRY PROCEDURE

J.J. Hymel
12-22-80

1 7

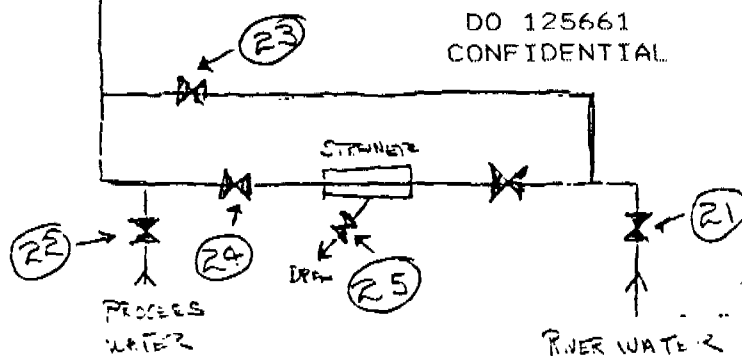


RIVER WATER TO BE201

HE-20

TO JETS
PROCESS & RIVER WATER TO
TRAIN II JETS

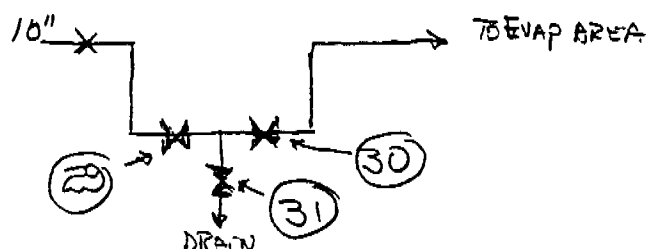
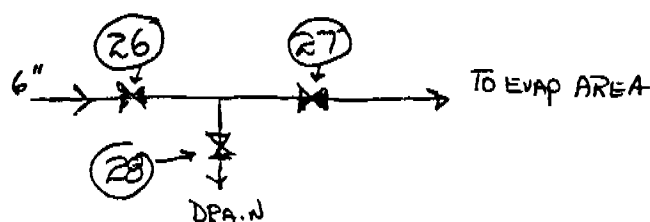
DO 125661
CONFIDENTIAL



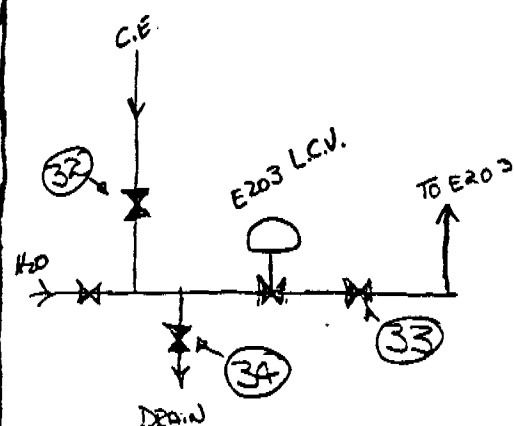
TRIPLE EFFECT (E1A, E-202 & E203) VESSEL ENTRY PROCEDURE

J.J. Hyman L
12-22-80

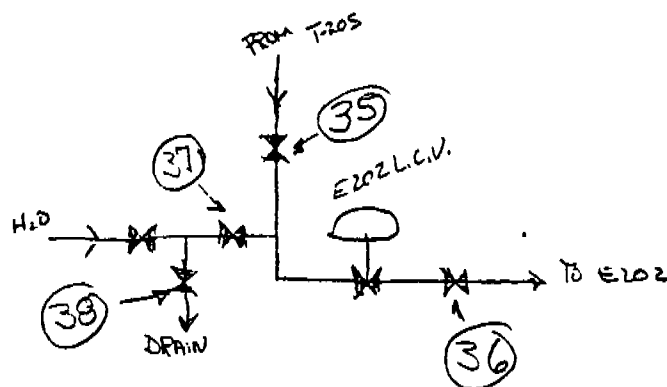
2 7



PROCESS WATER TO EVAPS

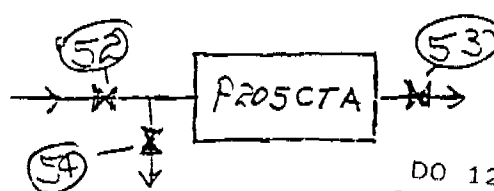
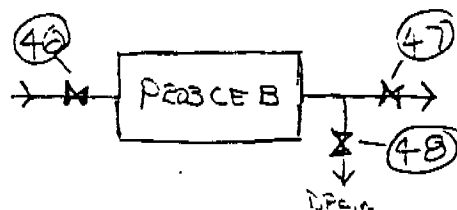
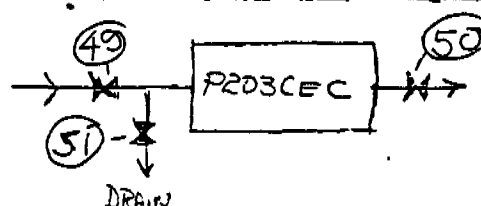
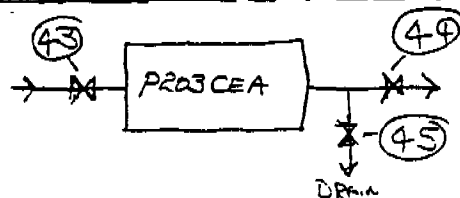
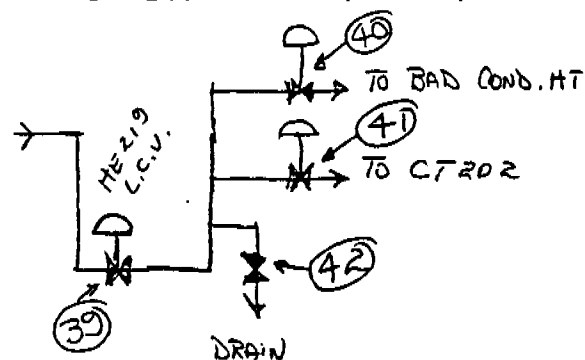


CELL EFFULENT TO EVAPS



FEED TO E202

CONDENSATE FROM HE-219



TRIPLE EFFECT CONDENSATE PUMPS

DO 125662
CONFIDENTIAL

H-21

TRIPLE EFFECT TAG OUT LIST

JJ Hymel
12-22-80

3 7

<u>TAG NO.</u>	<u>POSITION</u>
1	By PASS VALVE AROUND M.O.V. ACROSS ROAD ON 235# STEAM LINE
2	MANUEL HANDLE OF M.O.V. ACROSS ROAD ON 235# STEAM LINE.
3	SWITCH ON M.O.V. ACROSS ROAD ON 235# STEAM LINE
4	DRAIN ON 235# STEAM LINE ON NORTH SIDE OF Ditch IN THE BLOCK - <u>TAG OPEN</u>
5	MANUEL HANDLE OF M.O.V. IN BLOCK ON 235# STEAM LINE
6	SWITCH ON M.O.V. IN BLOCK ON 235# STEAM LINE
7	By PASS VALVE ON CONDENSATE CONTROL LOOP TO HE 201 DESUPHTR
8	Block VALVE UP STREAM OF CONTROL VALVE ON HE 201 DESUPHTR CONTROL LOOP
9	DRAIN ON HE 201 DESUPHTR CONTROL LOOP <u>TAG- OPEN</u>
10	VALVE DOWN STREAM OF HE 201 DESUPHTR CONTROL LOOP
11	VALVE IN 235# STEAM LINE TO HE 210 & JET IN PIPEWAY BY T-75
12	VALVE IN 235# STEAM LINE TO HE 210 & JETS AT BLEED VALVES - IN PIPE BACK IN WITH OF T-157E

DO 125663
CONFIDENTIAL

H-22

TRIPLE EFFECT TAG OUT LIST

J.N. Hymel
12-22-80

4 7

<u>TAG NO</u>	<u>POSITION</u>
1 3	UPSTREAM VALVE ON BY PASS <u>TAG - OPEN</u>
1 4	DRAIN ON BY PASS - <u>TAG OPEN</u>
1 5	UPSTREAM VALVE OF D.B. FB. ON 3" COND TO EVAPS - (IN PIPE WAY NORTH OF T-2)
1 6	DOWNSTREAM VALVE OF D.B. FB. ON 3" COND TO EVAPS - (IN PIPE WAY NORTH OF T-2)
1 7	DRAIN OF D.B. FB ON 3" COND. LINE TO EVAPS <u>TAG - OPEN</u>
1 8	MANUAL HANDLE ON M.O.V. R/W TO BE201
1 9	SWITCH ON M.O.V. R/W TO BE201
2 0	DRAIN TO DITCH ON R/W TO BE201 - <u>TAG OPEN</u>
2 1	VALVE ON R/W line TO JETS UP STREAM OF THE STRAINER
2 2	VALVE ON PROCESS WATER TO JETS
2 3	By PASS VALVE AROUND STRAINER
2 4	VALVE DOWN STREAM OF STRAINER - <u>TAG OPEN</u>
2 5	DRAIN ON STRAINER - <u>TAG OPEN</u>
2 6	VALVE IN 6" PROCESS WATER LINE TO EVAPS UPSTREAM OF BLEED VALVE (IN PIPE WAY NORTH OF T-1 & T-2)

H-23

DO 125664
CONFIDENTIAL

TRIPLE EFFECT TAG OUT LIST

J.J. Hymel
12-22-80

5 7

<u>TAG NO</u>	<u>POSITION</u>
27	VALVE IN 6" PROCESS WATER LINE TO EVAP S DOWNSTREAM OF BLEED VALVE (IN PIPE WAY NORTH OF T-1 & T-2)
28	BLEED VALVE OF D.B.F.B. IN 6" PROCESS WATER LINE TO EVAPS (IN PIPE WAY) <u>TAG OPEN</u>
29	VALVE UPSTREAM OF BLEED VALVE IN D.B.F.B. ON 10" PROCESS WATER TO EVAPS
30	VALVE DOWNSTREAM OF BLEED VALVE IN D.B.F.B. ON 10" PROCESS WATER TO EVAPS
31	DRAIN ON 10" PROCESS WATER TO EVAPS D.B.F.B. STATION <u>TAG - OPEN</u>
32	VALVE IN C.E. LINE UPSTREAM OF E203 L.C.V.
33	VALVE DOWNSTREAM OF E203 L.C.V.
34	DRAIN ON E203 L.C.V. loop - <u>TAG OPEN</u>
35	VALVE IN E202 FEED LINE UPSTREAM OF SHOT WATER TIE IN
36	VALVE DOWNSTREAM OF E202 L.C.V.
37	VALVE IN SHOT WATER LINE NEXT TO FEED LINE - <u>TAG - OPEN</u>
38	DRAIN ON SHOT WATER D.B.F.B. <u>TAG - OPEN</u>

TRIPLE EFFECT TAG OUT LIST

J.J. Hymel
12-22-80

6 7

<u>TAG NO.</u>	<u>POSITION</u>
39	HE 219 L.C.V.
40	HE-219 COND. TO DUMP HEATER
41	HE 219 COND. TO CT-202
42	DRAIN ON HE 219 L.C.V. Loop. <u>TAG - OPEN</u>
43	PRO3CE-A SUC VALVE
44	PRO3CE-A DISC. VALVE
45	DRAIN ON PRO3CE-A DISC. <u>TAG - OPEN</u>
46	PRO3CE-B SUC. VALVE
47	PRO3CE-B DISC. VALVE
48	DRAIN ON PRO3CE-B DISC. <u>TAG - OPEN</u>
49	PRO3CE-C SUC. VALVE
50	PRO3CE-C DISC. VALVE
51	DRAIN ON PRO3CE-C SUC. <u>TAG - OPEN</u>
52	PRO5CT-A SUC. VALVE
53	PRO5CT-A DISC VALVE
54	DRAIN ON PRO5CT-A SUC. <u>TAG - OPEN</u>
55	MP 201 HE SWITCH GEAR H-25

DO 125666
CONFIDENTIAL

TRIPLE EFFECT TAG OUT LIST

J.J. Hymel
12-22-80

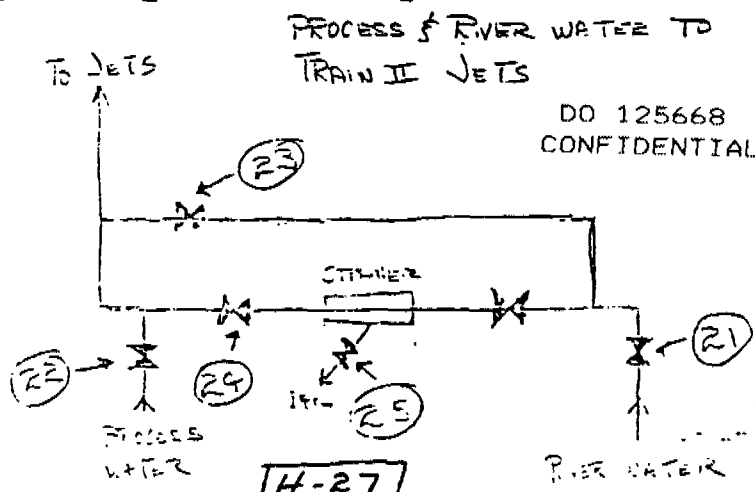
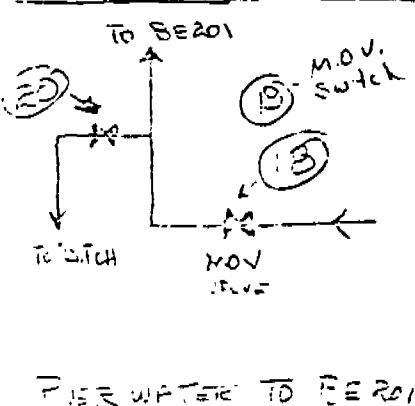
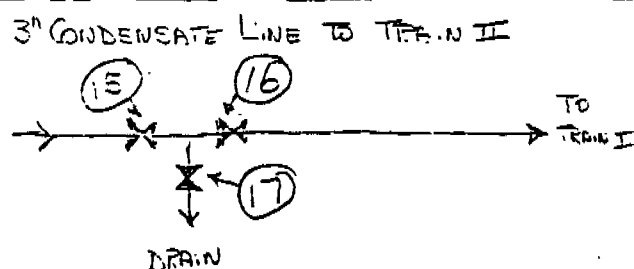
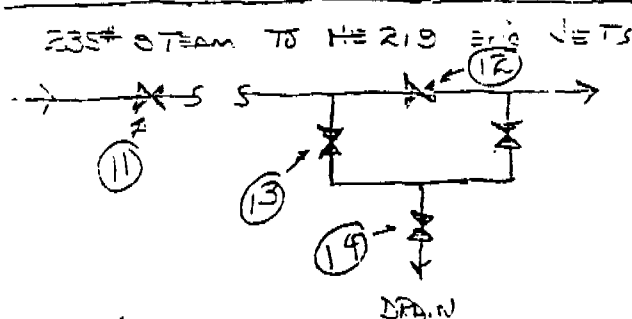
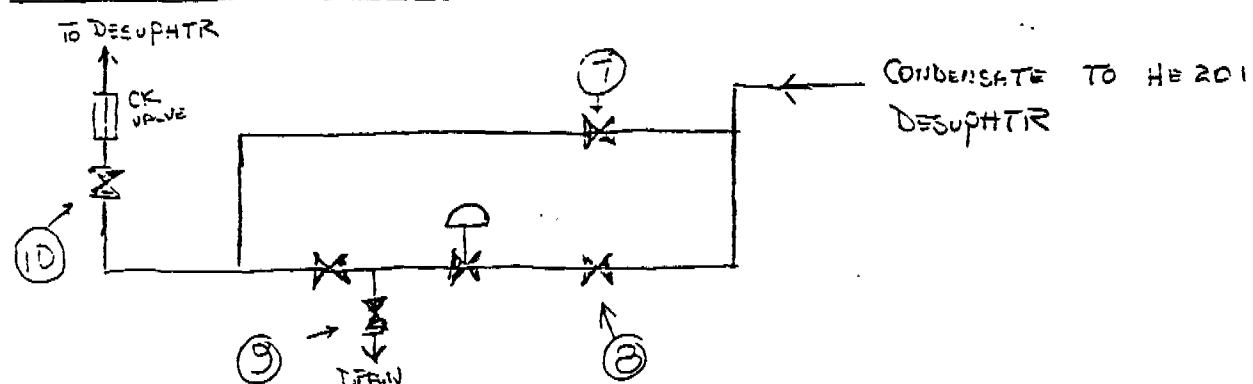
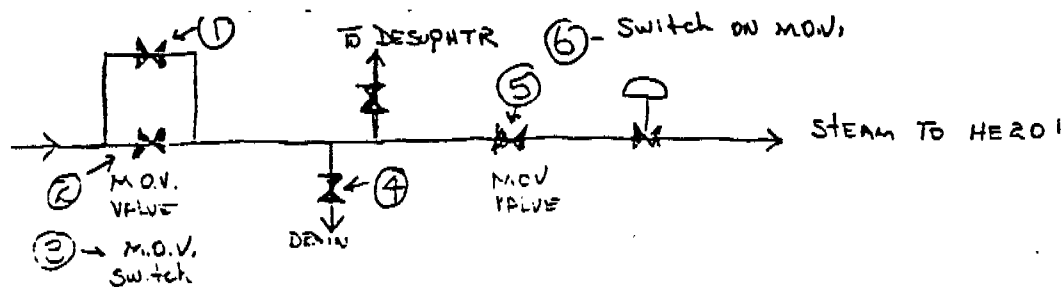
7 7

<u>TAG NO</u>	<u>POSITION</u>
56	MP 201 HE FIELD SWITCH
57	MP 202 HE SWITCH GEAR
58	MP 202 HE FIELD SWITCH
59	MP 203 HE A SWITCH GEAR
60	MP 203 HE A FIELD SWITCH
61	MP 203 HE B SWITCH GEAR
62	MP 203 HE B FIELD SWITCH

TRAIN II VESSEL ENTRY PROCEDURE E-1A, E-202, E-203, E-204

SHEET 1 OF 9

1-2-81



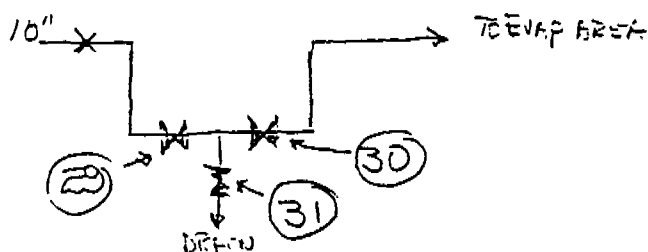
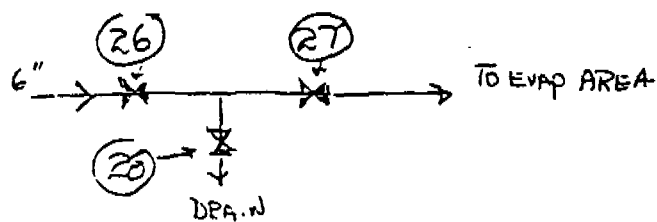
DO 125668
CONFIDENTIAL

H-27

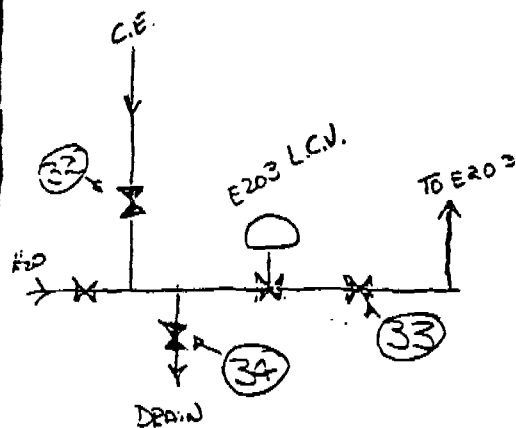
TRAIN II VESSEL ENTRY PROCEDURE E-1A, E202, E203, E204

SHEET 2 OF 9

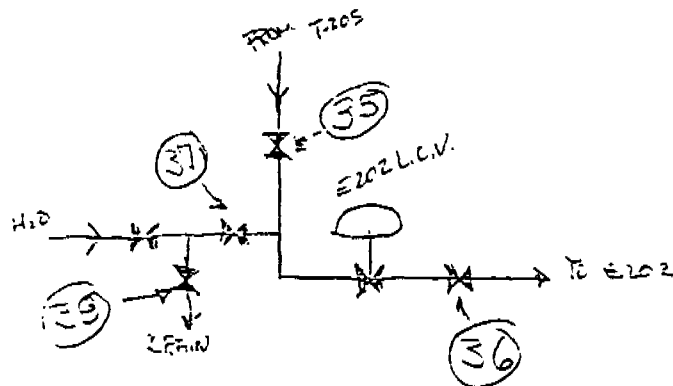
1-2-81



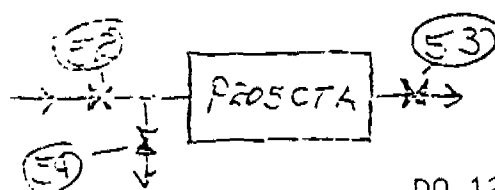
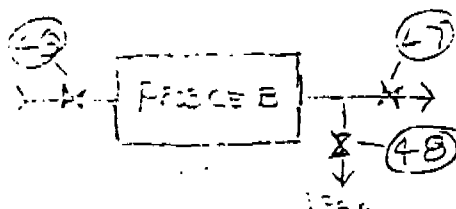
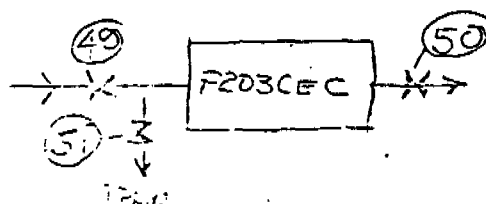
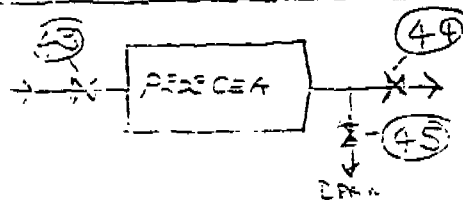
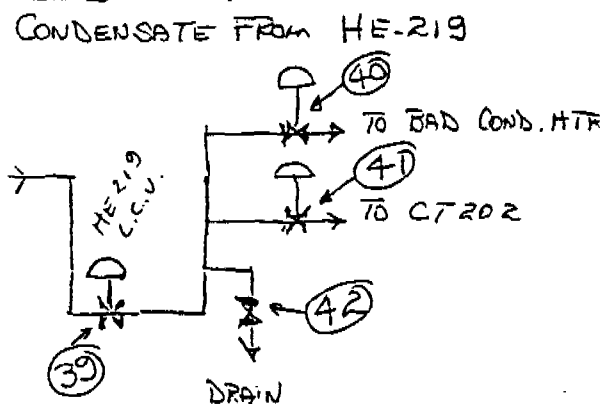
PROCESS WATER TO EVAPS



CELL EFFLUENT TO EVAPS



FEED TO E202

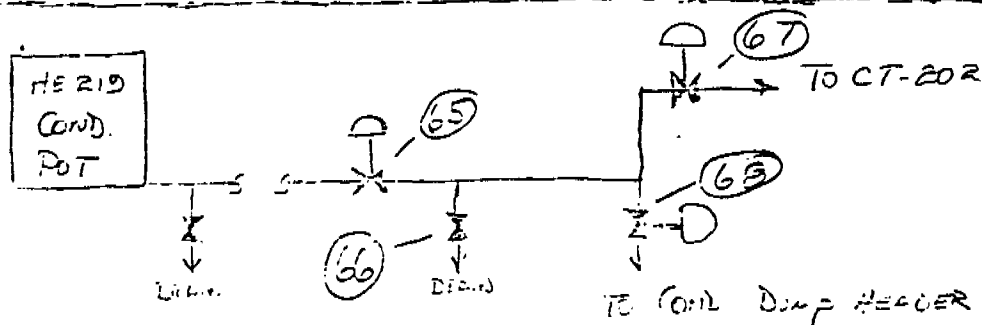
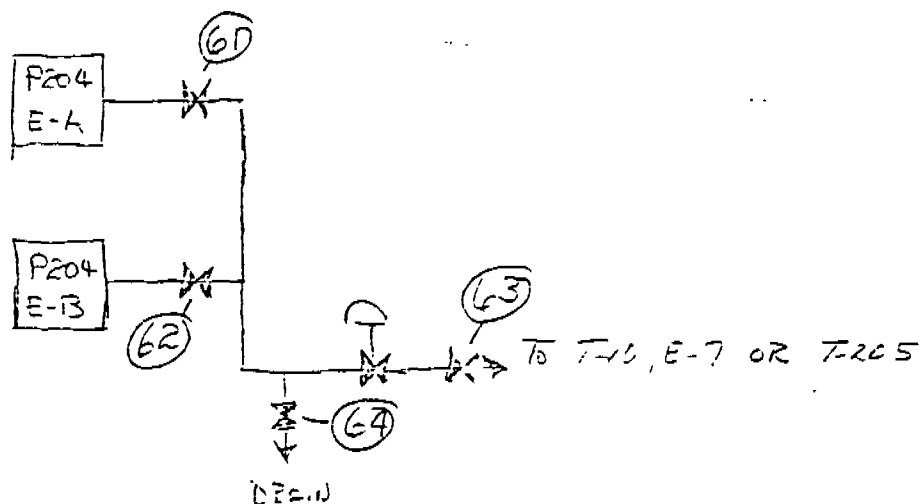
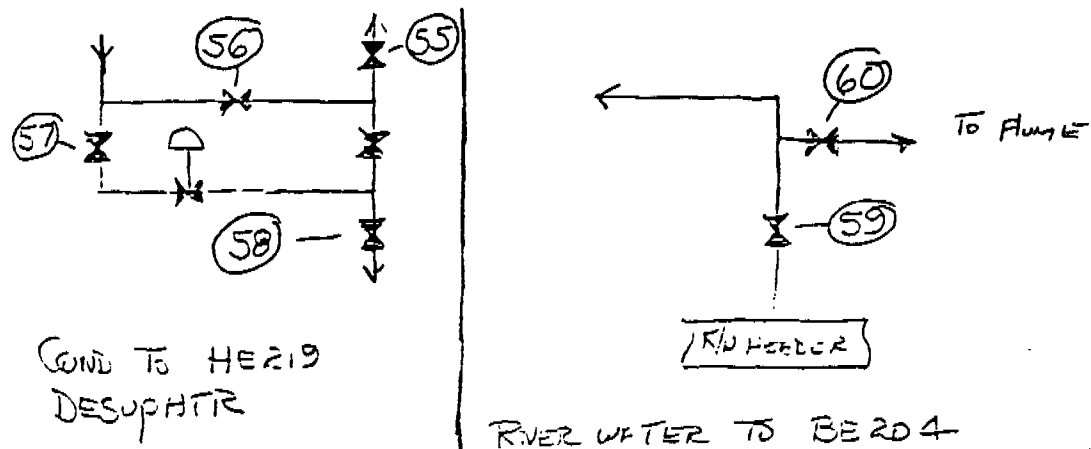


DO 125669
CONFIDENTIAL

TRIPLE EFFECT CONDENSATE PUMPS H-20

TRAIN II VESSEL ENTRY PROCEDURE (E-1A, E-202, E-203, E-204)

SHEET 3 OF 9



TRAIN II VESSEL ENTRY PROCEDURE
E-1A, E-202, E-203, E-204
SHEET 4 OF 9

<u>TAG NO.</u>	<u>POS. TION</u>
1	By PASS VALVE AROUND M.O.V. ACROSS ROAD ON 235# STEAM LINE
2	MANUEL HANDLE OF M.O.V. ACROSS ROAD ON 235# STEAM LINE
3	SWITCH ON M.O.V. ACROSS ROAD ON 235# STEAM LINE
4	DRAIN ON 235# STEAM LINE ON NORTH SIDE OF DITCH IN THE BLOCK - <u>TAG OPEN</u>
5	MANUEL HANDLE OF M.O.V. IN BLOCK ON 235# STEAM LINE
6	SWITCH ON M.O.V. IN BLOCK ON 235# STEAM LINE
7	By PASS VALVE ON CONDENSATE CONTROL LOOP TO HE 201 DESUPHTR
8	Block VALVE UP STREAM OF CONTROL VALVE ON HE 201 DESUPHTR CONTROL LOOP
9	DRAIN ON HE 201 DESUPHTR CONTROL LOOP <u>TAG - OPEN</u>
10	VALVE DOWN STREAM OF HE 201 DESUPHTR CONTROL LOOP
11	VALVE IN 235# STEAM LINE TO HE 201 JET IN PIPEWAY BY T-75
12	VALVE IN 235# STEAM LINE TO HE 201 JETS AT ELEV. 1100 - IN PIPE LINE IN LINE OF T-150

TRAIN II VESSEL ENTRY PROCEDURE
E-1A, E-202, E-203, E-204
SHEET 5 OF 9

1-2-81

<u>TAG NO</u>	<u>POSITION</u>
1 3	UPSTREAM VALVE ON BY PASSES <u>TAG OPEN</u>
1 4	DRAIN ON BY PASSES - <u>TAG OPEN</u>
1 5	UPSTREAM VALVE OF D.B. FB. ON 3" COND. TO EVAPS - (IN PIPE WAY NORTH OF T-2)
1 6	DOWNSREAM VALVE OF D.B. FB. ON 3" COND. TO EVAPS - (IN PIPE WAY NORTH OF T-2)
1 7	DRAIN OF D.B. FB. ON 3" COND. LINE TO EVAPS <u>TAG - OPEN</u>
1 8	MANUAL HANDLE ON M.O.V. R/W TO BE-201
1 9	SWITCH ON M.O.V. R/W TO BE-201
2 0	DRAIN TO DITCH ON R/W TO BE-201 - <u>TAG OPEN</u>
2 1	VALVE ON R/W LINE TO JETS UP STREAM OF THE STRAIVER
2 2	VALVE ON PROCESS WATER TO JETS
2 3	BY PASS VALVE AROUND STRAIVER
2 4	VALVE DOWNSREAM OF STRAIVER - <u>TAG OPEN</u>
2 5	DRAIN ON STRAIVER - <u>TAG OPEN</u>
2 6	VALVE IN 6" PROCESS WATER LINE TO EVAPS DOWNSREAM OF BLEED VALVE (IN PIPE WAY NORTH OF T-2)

TRAIN II VESSEL ENTRY PROCEDURE
E-1A, E-202, E-203, E-204
SHEET 6 OF 9

1-2-81

<u>TAG NO</u>	<u>POSITION</u>
27	VALVE IN 6" PROCESS WATER LINE TO EVAP S DOWNSTREAM OF BLEED VALVE (IN PIPE WAY NORTH OF T-1 & T-2)
28	BLEED VALVE OF DBFB IN 6" PROCESS WATER LINE TO EVAPS (IN PIPE WAY) <u>TAG OPEN</u>
29	VALVE UPSTREAM OF BLEED VALVE IN DBFB ON 10" PROCESS WATER TO EVAPS
30	VALVE DOWNSTREAM OF BLEED VALVE IN DBFB ON 10" PROCESS WATER TO EVAPS
31	DRAIN ON 10" PROCESS WATER TO EVAPS DBFB STATION <u>TAG - OPEN</u>
32	VALVE IN C.E. LINE DOWNSTREAM OF E-203 L.C.V.
33	VALVE DOWNSTREAM OF E-203 L.C.V.
34	DRAIN ON E-203 L.C.V. loop - <u>TAG OPEN</u>
35	VALVE IN E-202 FEED LINE UPSTREAM OF SHOT WATER TIE IN
36	VALVE DOWNSTREAM OF E-202 L.C.V.
37	VALVE IN C.E. LINE NEXT TO FEED LINE - <u>TAG OPEN</u>
38	DRAIN ON SHOT WATER D.B.F.B. <u>TAG - OPEN</u>

TRAIN II VESSEL ENTRY PROCEDURE
E-1A, E-202, E-203, E-204
SHEET 7 OF 9

1-2-81

<u>TAG NO.</u>	<u>POSITION</u>
39	HE 219 L.C.V.
40	HE-219 COND. TO DUMP HEATER
41	HE 219 COND. TO CT-202
42	DRAIN ON HE 219 L.C.V. LINE - <u>TAG - OPEN</u>
43	PROBCE-A SUC. VALVE
44	PROBCE-A DISC. VALVE
45	DRAIN ON PROBCE-A DISC. <u>TAG - OPEN</u>
46	PROBCE-B SUC. VALVE
47	PROBCE-B DISC. VALVE
48	DRAIN ON PROBCE-B DISC. <u>TAG - OPEN</u>
49	PROBCE-C SUC. VALVE
50	PROBCE-C DISC. VALVE
51	DRAIN ON PROBCE-C SUC. <u>TAG - OPEN</u>
52	PROBCE-A SUC. VALVE
53	PROBCE-A DISC. VALVE
54	DRAIN ON PROBCE-A SUC. <u>TAG - OPEN</u>
55	CONDENSATE TO HE 219 DUMP HEATER - LOW PRESSURE OF CONTROL LINE

DO 125674
CONFIDENTIAL

TRAIN II VESSEL ENTRY PROCEDURE
E-1A, E-202, E203, E204
SHEET 8 OF 9

1-2-81

<u>TAG NO.</u>	<u>POSITION</u>
56	CONDENSATE TO HE219 DESUPHTR - BYPASS
57	CONDENSATE TO HE219 DESUPHTR - UPSTREAM OF FLOW CONTROL VALVE
58	DRAIN ON DESUPHTR CONTROL LOOP - <u>OPEN</u>
59	RIVER WATER TO BE204 AT THE HEATER
60	BLEED TO FLUME ON RW TO BE204 LINE - <u>OPEN</u>
61	P204E-A DISC. VALVE
62	P204E-B DISC. VALVE
63	VALVE ON LINE TO T-10, E-7 OR T-205
64	DRAIN ON P204E A/B DISC. VALVE - <u>TAG OPEN</u>
65	HE 219 CONDENSATE L.C.V.
66	DRAIN ON CONDENSATE CONTROL LOOP - <u>TAG OPEN</u>
67	HE 219 CONDENSATE TO CT202 CONTROL VALVE
68	HE 219 CONDENSATE TO DUMP HEADER CONTROL VALVE
69	P204 HE SW. TCH GEAR
70	P204 HE FIELD SW. TCH

DO 125675
CONFIDENTIAL

TRAIN II VESSEL ENTRY PROCEDURE
E-1A, E-202, E203, E204
SHEET 9 OF 9

1-2-81

<u>TAG NO.</u>	<u>POSITION</u>
71	MP 201 HE SWITCH GEAR
72	MP 201 HE FIELD SWITCH
73	MP 202 HE SWITCH GEAR
74	MP 202 HE FIELD SWITCH
75	MP 203 HE-A SWITCH GEAR
76	MP 203 HE-A FIELD SWITCH
77	MP 203 HE-B SWITCH GEAR
78	MP 203 HE-B FIELD SWITCH

DO 125676
CONFIDENTIAL