*2M-152 SERVO

"D" TUBING 3/8"

"C" TUBING 3/8"

"A" TUBING 3/8"

1/2" PIPE

3/8" PIPE

"B" TUBING 3/8"

"D" TUBING 1/2"

"B" TUBING 3/8"

*2P-215 EDR GOVERNOR & OIL PUMP

1/4" PIPE

2LO-2745

3/8" TUBING

*2M-153 GOVERNOR OIL SUMP

*2M-54 (3" EQUALIZER PIPE)

*2C-143 TURBINE CONTROL PANEL

GOVERNOR BEARING

*2k3

COUPLING BEARING

BECHTEL VENDOR

SIGHT GLASS

F.D.

3/4" X 1/2"

3/4" PIPE

3/4" X 3/8"

2F-406

1/2" PIPE

RTD

2EFW-21

2HBD-286-1"

2HBD-286-1/2"

1" X 1/2"

FROM 2SWC-86-8" M-2221 SH 2 (E-3)

2HBD 2HBC

2HBC-181-1"

EFASA #2 S

EFASB #2 S

TO 2CV-1529-2 M-2218 SH 3 (G-4)

TO 2VLC-6A M-2062 SH 3 (B-7)

1 1/2" x 3/4"

2MS-2803B 2MS-2803A

2EBD-54-1 1/2"

COND. 2E11B M-2285 SH 3 (G-8)

2EBC, 2EBD

1 1/2" x 1"

2MS-73-3

2F-273

2MS-72 2MS-73-1 2MS-73-2

2EBD-74-1"

2MS-2805B 2MS-2805A

2EBC-1-4"

*OVERSPEED GOVERNOR AND TRIP MECHANISM

TRIP AND THROTTLE VALVE

EDR

2MS-2802A

ABOVE SEAT DRAIN 2EBD-77-3/4"

HP LEAKOFF 2HBD-842-1/2"

LP LEAKOFF 2HBD-841-1/2"

2MS-2803A 2MS-2803B

2MS-2802B

SERVO

EDR HYDRAULIC ACTUATOR

GOVERNOR VALVE

STEAM LEAKOFF 2HBD-841-1/2" TUBING

1/2" PIPE

2" x 1/2"

GLAND DRAIN 2HBD-841-1/2"

BELOW SEAT DRAIN 2EBD-78-3/4"

WALL

2EBD-54-1 1/2"

2EBC-1-4"

2EBD-77-3/4"

GOVERNOR BEARING

*TURBINE DRIVER

COUPLING BEARING

STEAM RING DRAIN

CASING DRAIN

*TURBINE CONTROL PANEL

NOTE 2

2HBD-843-3/4"

2EBD-79-1/2"

3/4" X 1/2"

2MS-25A

2MS-24

2HBD-841-2"

2EBD-74-1"

GLAND DRAIN 2HBD-841-1/2"

2" X 1/2"

TO TURB. BLDG. SUMP M-2225 SH 2 (D-2)

TO ATMOS.

ROOF EL. 484'-8"

2HBD-824-8" TURBINE EXHAUST

FLOOD SEAL

*STEAM TUNNEL

2HBD-811-14"

2MS-27

2MS-28-4

2HBD-842-2"

2MS-28-3

14" X 8"

2HBD-842-1/2"

2F-42

2MS-28-1 2MS-28-2

TO TURB. BLDG. SUMP M-2225 SH 2 (G-6)

2EBD-74-1"

2EBD-24-1"

1 1/2" X 1"

2EBD-54-1 1/2"

1" X 3/4"

2MS-2817A 2MS-2817B

2EBC-1-1"

2HBD-882-1"

2MS-2801A 2MS-2801B

2F-341

2MS-28-3

2MS-28-2

2F-41

2MS-28-1

2EBC-75-1"

2EBC-1-1"

2EBD-54-1"

2MS-2816B 2MS-2816A

1" X 3/4"

2MS-8348

2MS-1808B 2MS-1808A

2EBC-1-4"

STEAM GEN. 2SG-4B 2EFW-34-1 OPEN

STEAM GEN. 2SG-4A 2EFW-34-1 OPEN

AUX. STEAM 2HBD-881-3/4"

NOTES:

1. 125V DC POWER SUPPLY FOR VALVES 2CV-8348-2, 2SV-8205, AND 2SV-8324-2 IS FROM THE "GREEN" BATTERY.
2. COMPUTER INPUT SIGNAL IS COMMON TO PLANT COMPUTER AND SPDS WITH IDENTICAL POINT ID.

LEGEND	
LINE COLOR	SYSTEM/ANR REPORT
	EMERGENCY FEEDWATER/82-R-2085-23
	LICENSE RENEWAL BOUNDARY

EMERGENCY FEEDWATER PUMP TURBINE DRIVER
(LUBE OIL, LUBE OIL COOLING AND ELECTRO / HYDRAULIC CONTROL SYSTEM)

EMERGENCY FEEDWATER PUMP TURBINE DRIVER
(MAIN STEAM SYSTEM)

SAR figure(s) 10.2-4 are based upon this drawing. Provide a Licensing Document Change Request to Licensing when modifying this drawing if the corresponding SAR figure(s) are impacted.

ARKANSAS NUCLEAR ONE
UNIT 2
RUSSELLVILLE, ARKANSAS

PIPING & INSTRUMENT DIAGRAM
LUBE OIL, LUBE OIL COOLING, ELECTRO/ HYDRAULIC CONTROLS & MAIN STEAM

DRAWING NO	SHEET	REVISION
LRA-M-2202	4	0

Entergy

RED "0" IF ORIGINAL

2 BASED ON M-2202 SH 4 REV 20 1

D-09