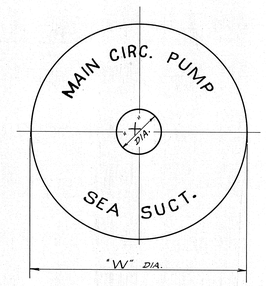
| NO. REQ'D 1-SHIP. | TYPE | W | X | Y & Z | LETTERING | VALVE SIZE | VALVE MARK. | |
|---|---|---|---|---|---|---|---|---|
| 1 | A | 5" | 1 5/16" | | DISCH. TO CONDENSER | 12" | NV-1 | |
| 1 | A | 4" | 1 1/2" | | MAIN CIRC. PUMP - SEA SUCT. | 12" | NV-2 | |
| 1 | A | 5" | 1 5/16" | | MAIN CIRC. PUMP DISCH. OVBD. | 12" | NV-3 | |
| 1 | A | 4" | 9/16" | | MAIN CIRC. PUMP BILGE SUCT. | 8" | NV-4 | |
| 1 | A | 4" | 9/16" | | AUX. SEA SUCT. | 8" | NV-5 | |
| 1 | A | 4" | 1 1/8" | | BILGE PUMP DISCH. OVBD. | 6" | NV-6 | |
| 1 | A | 4" | 1 1/2" | | GEN. SERV. PUMP DISCH. OVBD. | 4" | NV-7 | |
| 1 | A | 4" | 9/16" | | GEN. SERV. | 4" | NV-8 | |
| 2 | A | 4" | 3/8" | | FIRE MAIN | 4" | NV-8 | |
| 1 | A | 4" | 3/8" | | DISCHARGE OVERBD. | 4" | NV-8 | |
| 1 | A | 4" | 9/16" | | DISCH. TO CONDENSER | 4" | NV-8 | |
| 1 | A | 3" | 3/8" | | DISCH. TO MONITOR | 3" | NV-9 | |
| 1 | A | 3" | 1 1/8" | | GEN. SERV. PUMP DISCH - DISTILLER | 2 1/2" | NV-10 | |
| 2 | B | | | 1"x 3" | CIRC. WATER INLET | 1" | NV-13 | |
| 1 | B | | | 1"x 3" | CIRC. WATER OUTLET | 1" | NV-13 | |
| 1 | B | | | 1"x 3" | DISCH. - FORE PEAK | 2" | NV-16 | |
| 1 | B | | | 1"x 3" | BILGE PUMP SUCT. - SHAFT ALLEY | 2" | NV-16 | |
| 1 | B | | | 1"x 3" | BILGE PUMP SUCT - BOILER ROOM - P. | 2" | NV-16 | |
| 1 | B | | | 1"x 3" | BILGE PUMP SUCT. - BOILER ROOM - S. | 2" | NV-16 | |
| 1 | B | | | 1"x 3" | BILGE PUMP SUCT. - ENG. ROOM | 2" | NV-18 | |
| 1 | A | 3" | 5/8" | | SUCTION - FOREPEAK | 2" | NV-19 | |
| 1 | A | 3" | 5/8" | | SUCTION - SEA | 6" | NV-19 | GEN. SERV. MANIFOLD. |
| 1 | A | 3" | 5/8" | | SUCTION - BILGE | 3" | NV-19 | |
| 1 | A | 3" | 5/8" | | SUCTION - FORE & AFT. BILGE | 3" | NV-20 | FIRE & BILGE MANIFOLD |
| 1 | A | 3" | 5/8" | | SUCTION - ENG. ROOM | 3" | NV-20 | |
| 1 | A | 3" | 5/8" | | SUCTION - SEA | 6" | NV-20 | |
| 1 | A | 3" | 5/8" | | BILGE SUCT. - COFFER DAM | 2" | NV-21 | |
| 1 | A | 3" | 5/8" | | BILGE SUCT. - CARGO SPACE | 2" | NV-21 | BILGE MANIFOLD. |
| 1 | A | 3" | 5/8" | | BILGE SUCT. - CHAIN LOCKER | 2" | NV-21 | |
| 2 | B | | | 1"x 3" | SAN. PUMP SEA SUCT. | 1 1/2" | NV-24 | |
| 1 | B | | | 1"x 3" | GEN. SERV. | 1 1/2" | NV-24 | |
| 1 | A | 3" | 3/4" | | DISCH. TO FILTER | 2 1/2" | RV-1 | |
| 4 | A | 3" | 5/8" | | DISCH. - BOILER FEED | 2" | RV-2 | |
| 1 | A | 3" | 5/8" | | AUX FEED PUMP DISCH. | 2" | RV-2 | |
| 1 | B | | | 1"x 3" | DISCH. TO FEED TANK | 2" | RV-3 | |
| 1 | A | 3" | 5/8" | | DISCH - BOILER FEED | 1 1/2" | RV-5 | |
| 1 | A | 3" | 5/8" | | DISCH - FIRE MAIN | 1 1/2" | RV-5 | |
| 2 | A | 3" | 5/8" | | BOILER DRAIN | 1 1/2" | RV-5 | |
| 2 | A | 3" | 3/4" | | SUCT. - FEED TANK | 4" | RV-8 | MAIN & AUX. FD. MANIFOLD. |
| 2 | A | 3" | 3/4" | | SUCT. - FRESH WATER TANK | 4" | RV-8 | |
| 1 | B | | | 1"x 3" | SUCT. - TANK NO. 5-P. | 1 1/2" | RV-9 | |
| 1 | B | | | 1"x 3" | SUCT. - TANK NO. 5-S. | 1 1/2" | RV-9 | |
| 2 | A | 3" | 5/8" | | BOILER BLOW OVBD. | 1 1/2" | RV-10 | |
| 1 | A | 3" | 3/4" | | COND. PUMP SUCT. | 5" | CV-1 | |
| 1 | A | 3" | 3/4" | | COND. PUMP DISCH. | 3" | CV-2 | |
| 1 | A | 3" | 5/8" | | SUCT. - TANK NO. 4-P. | 2 1/2" | CV-3 | |
| 1 | A | 3" | 5/8" | | SUCT. - TANK NO. 4-S. | 2 1/2" | CV-3 | |
| 1 | A | 3" | 5/8" | | SUCT. - TANK NO. 5-P. | 2 1/2" | CV-3 | |
| 1 | A | 3" | 5/8" | | SUCT. - TANK NO. - 5-S. | 2 1/2" | CV-3 | |
| 1 | A | 3" | 5/8" | | AUX FD. PUMP DISCH. - FILTER | 2 1/2" | CV-3 | |
| 1 | A | 3" | 5/8" | | FRESH WAT. SHORE FILLING | 2 1/2" | CV-3 | |
| 1 | B | | | 1"x 3" | MAKE - UP FEED | 1" | CV-6 | |
| 1 | B | | | 1"x 3" | SEA SUCTION | 1 1/2" | CV-10 | |
| 1 | B | | | 1"x 3" | SUCT. - TANK NO. 4-P. | 1 1/2" | CV-10 | |
| 1 | B | | | 1"x 3" | SUCT. - TANK NO. 4-S | 1 1/2" | CV-10 | |
| 2 | B | | | 1"x 3" | FILTER BACKWASH | 1 1/2" | SV-30 CV-10 | |
| 2 | A | 3" | 5/8" | | AUX. FD. PUMP SUCT - COND. | 3" | CV-1 CV-2-A. | |
| 1 | A | 3" | 3/4" | | CONDENSATE DISCH. OVBD. | 2 1/2" | | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - TANK NO. 1-P. | 1" | AV-1 | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - TANK NO. 1-S. | 1" | AV-1 | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - TANK NO. 2 | 1" | AV-1 | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - TANK NO. 3-P. | 1" | AV-1 | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - TANK NO. 3-S. | 1" | AV-1 | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - TANK NO. 6-P | 1" | AV-1 | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - TANK NO. 6-S | 1" | AV-1 | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - TANK NO. 7-P | 1" | AV-1 | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - TANK NO. 7-S | 1" | AV-1 | |
| 1 | B | | | 1"x 3" | WAT. SERV. TO STERN TUBE | 1 1/2" | WV-1 | |
| 1 | A | 3" | 5/8" | | F. O. TRANSFER - AFT. | 4" | FV-1 | |
| 1 | A | 3" | 5/8" | | F. O. TRANSFER | 4" | FV-1 | |
| 1 | A | 3" | 5/8" | | F. O. TRANSFER - FWD. | 4" | FV-2 | |
| 1 | A | 3" | 5/8" | | F. O. SHORE CONN. | 4" | FV-2 | |
| 1 | B | | | 1"x 3" | DISCH. FWD. | 2" | FV-4 | |
| 1 | B | | | 1"x 3" | DISCH. AFT. | 2" | FV-4 | |
| 1 | B | | | 1"x 3" | DISCH. OVBD. | 2" | FV-5 | |
| 1 | B | | | 1"x 3" | DISCH. TO SHORE CONN. | 2" | FV-6 | |
| 1 | B | | | 1"x 3" | F. O. RE-CIRC. | 3/4" | GV-2 | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - FWD. HOLD | | | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - LAMP LOCKER | | | |

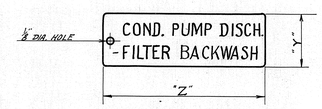
| NO. REQ'D 1-SHIP. | TYPE | W. | X | Y & Z. | LETTERING | VALVE SIZE | VALVE MARK | |
|---|---|---|---|---|---|---|---|---|
| 2 | A | 3" | 5/8" | | F. O. SERV. - TANK NO. 2 | 2 1/2" | FV-5 | |
| 2 | A | 3" | 3/4" | | F. O. TRANSFER - TANK NO. 2 | 2 1/2" | FV-5 | |
| 2 | A | 3" | 5/8" | | FUEL OIL - TANK NO. 1-P. | 3" | FV-6 | |
| 2 | A | 3" | 5/8" | | FUEL OIL - TANK NO. 1-S. | 3" | FV-6 | |
| 2 | A | 3" | 5/8" | | FUEL OIL - TANK NO. 3-P. | 3" | FV-6 | |
| 2 | A | 3" | 5/8" | | FUEL OIL - TANK NO. 3-S. | 3" | FV-6 | |
| 2 | A | 3" | 5/8" | | FUEL OIL - TANK NO. 6-P. | 3" | FV-6 | |
| 2 | A | 3" | 5/8" | | FUEL OIL - TANK NO. 6-S. | 3" | FV-6 | |
| 2 | A | 3" | 5/8" | | FUEL OIL - TANK NO. 7-P. | 3" | FV-6 | |
| 2 | A | 3" | 5/8" | | FUEL OIL - TANK NO. 7-S. | 3" | FV-6 | |
| 1 | A | 3" | 5/8" | | F. O. SUCT. - TANK NO. 1-P. | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. SUCT. - TANK NO. 1-S. | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. SUCT. - TANK NO. 2 | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. SUCT. - TANK NO. 3-P. | 3" | FV-7 | F. O. MANIFOLD PIPE NO. 1 & 2 A. |
| 1 | A | 3" | 5/8" | | F. O. SUCT. - TANK NO. 3-S. | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. DISCH. - TANK NO. 1-P. | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. DISCH. - TANK NO. 1-S. | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. DISCH. - TANK NO. 2 | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. DISCH. - TANK NO. 3-P. | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. DISCH. - TANK NO. 3-S. | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. SUCT. - TANK NO. 6-P | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. SUCT. - TANK NO. 6-S. | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. SUCT. - TANK NO. 7-P. | 3" | FV-7 | F. O. TANK MANIFOLD PIPE NO. 3 & 4 B |
| 1 | A | 3" | 5/8" | | F. O. SUCT. - TANK NO. 7-S. | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. DISCH. - TANK NO. 6-P. | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. DISCH. - TANK NO. 6-S. | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. DISCH. - TANK NO. 7-P. | 3" | FV-7 | |
| 1 | A | 3" | 5/8" | | F. O. DISCH. - TANK NO. 7-S | 3" | FV-7 | |
| 1 | B | | | 1"x 3" | F. O. TO PORT. BOILER | 3/4" | GV-1 | |
| 1 | B | | | 1"x 3" | F. O. TO STBD. BOILER | 3/4" | GV-1 | |
| 1 | A | 4" | 3/4" | | AUX. EXH. TO ATMOS. | 6" | TV-4 | |
| 1 | A | 3" | 5/16" | | EXH. FROM WINDLASS ENG. | 2" | TV-13 | |
| 1 | A | 4" | 3/4" | | STEAM TO MAIN ENGINE | 6" | SV-1 | VALVE STEM EXTENSION |
| 2 | A | 4" | 7/8" | | MAIN STEAM | 4" | SV-2 | |
| 1 | A | 3" | 3/4" | | STM. TO MAIN CIRC. PUMP | 3" | SV-3 | VALVE STEM EXTENSION |
| 1 | A | 3" | 3/4" | | STM. TO TOWING ENG. | 3" | SV-3 | |
| 3 | A | 3 | 5/8" | | AUX. STEAM | 1 1/2" 2 1/2" | SV-4 SV-8 | |
| 2 | B | | | 1"x 3" | STM. TO BLOWER | 1 1/2" | SV-10 | |
| 1 | A | 3" | 5/8" | | STM. TO WHISTLE | 1 1/2" | SV-6 | |
| 1 | A | 3" | 5/8" | | STM. TO WINDLASS ENG. | 1 1/2" | SV-6 | |
| 2 | B | | | 1"x 3" | STM. TO F.O. SERV. UNIT | 1 1/2" | SV-8 | |
| 1 | B | | | 1"x 3" | BOILER ROOM STM. SMOTHERING | 1 1/2" | SV-10 | VALVE STEM EXTENSION |
| 1 | B | | | 1"x 3" | STM. TO EVAPORATOR | 1 1/2" | SV-10 | |
| 1 | B | | | 1"x 3" | STM. TO HEATING SYS. | 1" | SV-12 | |
| 2 | A | 3" | 5/16" | | STM. TO DE-SUPERHEATER | 2 1/2" | SV-4-1 | |
| 1 | A | 3" | 5/16" | | SHORE STEAM CONN. | 2 1/2" | SV-4-1 | |
| 1 | B | | | 1"x 3" | STM. TO AFT. PEAK BILGE SYPHON | 1/2" | SV-17 | |
| 1 | B | | | 1"x 3" | STM. TO HOT WATER TANK | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | STM. TO HEATING COIL - TANK NO. 1-P. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | STM. TO HEATING COIL - TANK. NO. 1-S | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | STM. TO HEATING COIL - TANK NO. 2 - TRANS. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | STM. TO HEATING COIL TANK. NO. 2 - SERV. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | STM. TO HEATING COIL - TANK NO. 3-P. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | STM. TO HEATING COIL - TANK NO. 3-S | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | STM. TO HEATING COIL - TANK NO. 6-P. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | STM. TO HEATING COIL - TANK NO. 6-S. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | STM. TO HEATING COIL - TANK NO. 7-P. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | STM. TO HEATING COIL - TANK NO. 7-S. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | STM. TO HEATING COIL - PORT | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | STM. TO HEATING COIL - STBD. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | DRAIN - HEATING COIL - TANK NO. 1-P. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | DRAIN - HEATING COIL - TANK NO. 1-S. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | DRAIN - HEATING COIL - TANK NO. 2 - TRANS. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | DRAIN - HEATING COIL - TANK NO. 2 - SERV. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | DRAIN - HEATING COIL - TANK NO. 3-P. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | DRAIN - HEATING COIL - TANK NO. 3-S. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | DRAIN - HEATING COIL - TANK NO. 6-P. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | DRAIN - HEATING COIL - TANK NO. 6-S. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | DRAIN - HEATING COIL - TANK NO. 7-P. | 1/2" | SV-17 | |
| 1 | B | | | 1"x 4" | DRAIN - HEATING COIL - TANK NO. 7-S | 1/2" | SV-17 | |
| 2 | A | 3" | 5/16" | | STEAM TO SOOT BLOWER | 2 1/2" | SV-27 | |
| 1 | B | | | 1"x 3" | STM. TO MAIN SEA CHEST | 1" | SV-12-A | |
| 1 | B | | | 1"x 3" | STM. TO AUX. SEA CHEST | 1" | SV-12-A. | |
| 1 | B | | | 1"x 3" | STM. TO F. O. TRANS. PUMP | 1" | SV-17-1 | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - F.O. TANKS PORT | 1" | SV-17-1 | |
| 1 | B | | | 1"x 3" | STM. SMOTHERING - F.O. TANKS STBD. | 1" | SV-17-1 | |
| 2 | B | | | 1"x 3" | STM. TO FILTER | 3/4" | SV-28 SV-29 | |

| NO. REQ'D 1-SHIP. | TYPE | W | X | Y & Z | LETTERING | VALVE SIZE | VALVE MARK | |
|---|---|---|---|---|---|---|---|---|
| 2 | B | | | 1"x 3" | CONDENSATE INLET | 2" | | |
| 2 | B | | | 1"x 3" | FILTERED FEED OUTLET | 2" | | FILTER. |
| 2 | B | | | 1"x 3" | BACKWASH INLET | 2" | | |
| 2 | B | | | 1"x 3" | BACKWASH OUTLET | 2" | | |
| 6 | A | 3" | 3/4" | | SUCTION | | | |
| 6 | A | 3" | 3/4" | | DISCHARGE | | | |
| 6 | A | 3" | 3/4" | | STEAM | | | |
| 6 | A | 3" | 3/4" | | EXHAUST | | | |
| 6 | B | | | 1"x 3" | SUCTION | | | |
| 6 | B | | | 1"x 3" | DISCHARGE | | | |
| 6 | B | | | 1"x 3" | STEAM | | | |
| 6 | B | | | 1"x 3" | EXHAUST | | | |

NOT USED ON HULLS NO. 496 & UP.




TYPE "A"




TYPE "B"

## ALTERATIONS

| DATE | MARK | DESCRIPTION | DATE | APPR'D. |
|---|---|---|---|---|
| | | | | |

## WELDING STAMP

NOTES:

REFERENCES:

| | | |
|---|---|---|
| 6644 | LT-823 THRU LT-828 INCL. | MARIETTA MFG. CO. FOR GOVT. PURCH. CONN. OF THE SOVIET UNION IN THE U.S.A. |
| | LT-823 THRU LT-828 NOT COMPLETED FOR U.S. ARMY DUE TO CANCELLATION OF CONTRACT. 8-15-45. | |
| W-33-092 tc-2769 | LT-814-828 | " |
| W-33-092 tc-1007 | LT-784-793 | " |
| W-2789 tc-1518 | LT-633-640 LT-649-653 | " |
| W-2789 tc 252 | LT-217-231 | MARIETTA MANUFACTURING COMPANY POINT PLEASANT, WEST VIRGINIA |
| CONTRACT No. | ARMY DESIGNATION | BUILDER |

MARIETTA MANUFACTURING COMPANY
POINT PLEASANT, WEST VIRGINIA

| SCALE | DR. | TRC'D. | CK'D. | DRAWING NUMBER |
|---|---|---|---|---|
| DATE 7-6-43 | APPR. | CH. ENGR.-DATE | | 31377 |

MARINE DESIGN BRANCH
ENGINEERING DIVISION
OFFICE OF THE ASSISTANT CHIEF OF TRANSPORTATION FOR SUPPLY
WAR DEPARTMENT - WASHINGTON, D. C.

149 FOOT OCEAN GOING STEAM TUG
DESIGN NO. 254

TITLE
LIST OF VALVE MARKERS

CHECKED BY

APPROVED BY
CHIEF MARINE DESIGN BRANCH

SUPERVISING NAVAL ARCHITECT
DATE

GOVT. DR'G. NO.

PRINTS ISSUED

| TO | DATE |
|---|---|
| | |

Dwg. No. 31377