



MATLA POWER STATION

SCOPE OF WORK

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| Template Identifier | 240-43921898 | Rev | 6 |
| Document Identifier | 14593 | Rev | 4 |
| Effective Date | 04 October 2020 | | |
| Review Date | October 2022 | | |

Actuator List

| AKZ/KKS | Location Description | Type | Make | Model |
|----------|--|--------------------------|------|-------|
| NW21S022 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE A1 | SAM 14 5 + Matic 220V DC | AUMA | SA |
| NW21S023 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE A2 | SAM 14 5 + Matic 220V DC | AUMA | SA |
| NW22S022 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE B1 | SAM 14 5 + Matic 220V DC | AUMA | SA |
| NW22S023 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE B2 | SAM 14 5 + Matic 220V DC | AUMA | SA |
| NW23S022 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE C1 | SAM 14 5 + Matic 220V DC | AUMA | SA |
| NW23S023 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE C2 | SAM 14 5 + Matic 220V DC | AUMA | SA |
| NW24S022 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE D1 | SAM 14 5 + Matic 220V DC | AUMA | SA |
| NW24S023 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE D2 | SAM 14 5 + Matic 220V DC | AUMA | SA |
| NW51S020 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE A1 | SAM 14 1 + Matic 220V DC | AUMA | SA |
| NW51S021 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE A2 | SAM 14 1 + Matic 220V DC | AUMA | SA |
| NW52S020 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE B1 | SAM 14 1 + Matic 220V DC | AUMA | SA |

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| NW52S021 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE B2 | SAM 14 1 + Matic 220V DC | AUMA | SA |
| NW53S020 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE C1 | SAM 14 1 + Matic 220V DC | AUMA | SA |
| NW53S021 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE C2 | SAM 14 1 + Matic 220V DC | AUMA | SA |
| NW54S020 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE D1 | SAM 14 1 + Matic 220V DC | AUMA | SA |
| NW54S021 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE D2 | SAM 14 1 + Matic 220V DC | AUMA | SA |

| AKZ/KKS | Location Description | Type | Make | Model |
|----------|------------------------|-----------------------------|-------|-------|
| NM10S015 | Mill "A" PA INL Damper | 2SA5031-5DE00-4BA4+GF 100 3 | SIPOS | 2SA |
| NM20S015 | Mill "B" PA INL Damper | 2SA5031-5DE00-4BA4+GF 100 3 | SIPOS | 2SA |
| NM30S015 | Mill "C" PA INL Damper | 2SA5031-5DE00-4BA4+GF 100 3 | SIPOS | 2SA |
| NM40S015 | Mill "D" PA INL Damper | 2SA5031-5DE00-4BA4+GF 100 3 | SIPOS | 2SA |
| NM50S015 | Mill "E" PA INL Damper | 2SA5031-5DE00-4BA4+GF 100 3 | SIPOS | 2SA |
| NM60S015 | Mill "F" PA INL Damper | 2SA5031-5DE00-4BA4+GF 100 3 | SIPOS | 2SA |

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| RM03S002 | LP/IP Bypass Spray water RV | 2SA5053-9DE10-4BA4 | SIPOS | 2SA |
| SF11S010 | LP Bypass RV DRN V | 2SA5031-5CE10-4AA4 | SIPOS | 2SA |
| SG20S001 | Gland Steam Pressure RV | 2SA5041-9DE10-4BA4 | SIPOS | 2SA |

Rotork Actuator List

| AKZ | Description | Actuator | Model |
|------------|--|----------|-------|
| HQT43AA001 | BLOW OFF CONTROL VALVE | IQM20 18 | IQM |
| NA00S018 | SUPERHEATER FINAL DRAIN REGULATING VALVE | AWT20 24 | AWT |
| NA00S019 | SUPERHEATER FINAL DRAIN ISOLATING VALVE | AWT20 24 | AWT |
| NA01S010 | DRUM LEVEL LOWERING REGULATING VALVE | AWT25 36 | AWT |
| NA01S012 | DRUM LEVEL LOWERING ISOLATING VALVE | AWT19 24 | AWT |
| NA03S014 | LEFT HAND REAR WALL OUTLET DRAIN REGULATING VALVE | AWT20 24 | AWT |
| NA03S015 | RIGHT HAND REAR WALL OUTLET DRAIN REGULATING VALVE | AWT20 24 | AWT |
| NA03S016 | LEFT HAND REAR WALL OUTLET DRAIN ISOLATING VALVE | AWT20 24 | AWT |
| NA03S017 | RIGHT HAND REAR WALL OUTLET DRAIN ISOLATING VALVE | AWT20 24 | AWT |

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| NA07S014 | PRIMARY SUPERHEATER INLET DRAIN REGULATING VALVE 1 | AWT20 24 | AWT |
| NA07S015 | PRIMARY SUPERHEATER INLET DRAIN REGULATING VALVE 2 | AWT20 24 | AWT |
| NA07S016 | PRIMARY SUPERHEATER INLET DRAIN ISOLATING VALVE 1 | AWT20 24 | AWT |
| NA07S017 | PRIMARY SUPERHEATER INLET DRAIN ISOLATING VALVE 2 | AWT20 24 | AWT |
| NA11S001 | LEFT HAND ECONOMISER RECIRCULATING ISOLATING VALVE | AWT35 36 | AWT |
| NA11S002 | LEFT HAND ECONOMISER RECIRCULATING VALVE | AWT35 36 | AWT |
| NA21S001 | RIGHT HAND ECONOMISER RECIRCULATING ISOLATING VALVE | AWT35 36 | AWT |
| NA21S002 | RIGHT HAND ECONOMISER RECIRCULATING VALVE | AWT35 36 | AWT |
| NA71S019 | LEFT HAND FINAL SUPERHEATER VENT ISOLATING VALVE | AWT25 24 | AWT |
| NA71S119 | LEFT HAND FINAL SUPERHEATER VENT REGULATING VALVE | AWT35 24 | AWT |
| NA74S019 | RIGHT HAND FINAL SUPERHEATER VENT ISOLATING VALVE | AWT25 24 | AWT |
| NA74S119 | RIGHT HAND FINAL SUPERHEATER VENT REGULATING VALVE | AWT35 24 | AWT |
| NG11S010 | LEFT HAND FD FAN INLET DAMPER 1A | AWT18 24 | AWT |
| NG11S011 | LEFT HAND FD FAN INLET DAMPER 1B | AWT18 24 | AWT |
| NG11S012 | LEFT HAND FD FAN INLET DAMPER 2A | AWT18 24 | AWT |

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| NG11S013 | LEFT HAND FD FAN INLET DAMPER 2B | AWT18 24 | AWT |
| NG11S021 | LEFT HAND FD FAN VANE | IQM20 48 | IQM |
| NG11S022 | LEFT HAND FD FAN VANE | IQM20 48 | IQM |
| NG11S050 | LEFT HAND SECONDARY AIR HEATER BYPASS DAMPER | IQM20 48 | IQM |
| NG11S060 | LEFT HAND SECONDARY AIR HEATER AIR DAMPER 1 | AWT20 48 | AWT |
| NG11S061 | LEFT HAND SECONDARY AIR HEATER AIR DAMPER 2 | AWT20 48 | AWT |
| NG12S011 | LEFT HAND PA FAN DISCHARGE DAMPER | AWT18 24 | AWT |
| NG12S021 | LEFT HAND PA AIR FAN VANE | IQM20 48 | IQM |
| NG12S041 | LEFT HAND PA AIR HEATER AIR INLET DAMPER | AWT18 24 | AWT |
| NG21S010 | RIGHT HAND FD FAN INLET DAMPER 1A | AWT18 24 | AWT |
| NG21S011 | RIGHT HAND FD FAN INLET DAMPER 1B | AWT18 24 | AWT |
| NG21S012 | RIGHT HAND FD FAN INLET DAMPER 2A | AWT18 24 | AWT |
| NG21S013 | RIGHT HAND FD FAN INLET DAMPER 2B | AWT18 24 | AWT |
| NG21S021 | RIGHT HAND FD FAN VANE | IQM20 48 | IQM |
| NG21S022 | RIGHT HAND FD FAN VANE | IQM20 48 | IQM |

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| NG21S050 | RIGHT HAND SECONDARY AIR HEATER BYPASS DAMPER | IQM20 48 | IQM |
| NG21S060 | RIGHT HAND SECONDARY AIR HEATER AIR BYPASS DAMPER 1 | AWT20 48 | AWT |
| NG21S061 | RIGHT HAND SECONDARY AIR HEATER AIR BYPASS DAMPER 2 | AWT20 48 | AWT |
| NG22S011 | RIGHT HAND PA FAN DISCHARGE DAMPER | AWT18 24 | AWT |
| NG22S021 | RIGHT HAND PA AIR FAN VANE | IQM20 48 | IQM |
| NG22S041 | RIGHT HAND PA AIR HEATER AIR INLET DAMPER | AWT18 24 | AWT |
| NM10S025 | MILL A HOT AIR DAMPER | IQM20 48 | IQM |
| NM10S035 | MILL A COLD AIR DAMPER | IQM12 24 | IQM |
| NM10S065 | MILL A SEAL AIR DAMPER | QTF250 | QTF |
| NM10S075 | MILL A PF ISOLATING DAMPER 1 | AWT10 96 | AWT |
| NM10S076 | MILL A PF ISOLATING DAMPER 2 | AWT10 96 | AWT |
| NM20S025 | MILL B HOT AIR DAMPER | IQM20 48 | IQM |
| NM20S035 | MILL B COLD AIR DAMPER | IQM12 24 | IQM |
| NM20S065 | MILL B SEAL AIR DAMPER | QTF250 | QTF |
| NM20S075 | MILL B PF ISOLATING DAMPER | AWT10 96 | AWT |

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| NM30S025 | MILL C HOT AIR DAMPER | IQM20 48 | IQM |
| NM30S035 | MILL C COLD AIR DAMPER | IQM12 24 | IQM |
| NM30S065 | MILL C SEAL AIR DAMPER | IQTF250 | IQT |
| NM30S075 | MILL C PF ISOLATING DAMPER | AWT10 96 | AWT |
| NM40S025 | MILL D HOT AIR DAMPER | IQM20 48 | IQM |
| NM40S035 | MILL D COLD AIR DAMPER | IQM12 24 | IQM |
| NM40S065 | MILL D SEAL AIR DAMPER | IQTF250 | IQT |
| NM40S075 | MILL D PF ISOLATING DAMPER | AWT10 96 | AWT |
| NM50S025 | MILL E HOT AIR DAMPER | IQM20 48 | IQM |
| NM50S035 | MILL E COLD AIR DAMPER | IQM12 24 | IQM |
| NM50S065 | MILL E SEAL AIR DAMPER | IQTF250 | IQT |
| NM50S075 | MILL E PF ISOLATING DAMPER | AWT10 96 | AWT |
| NM60S025 | MILL F HOT AIR DAMPER | IQM20 48 | IQM |
| NM60S035 | MILL F COLD AIR DAMPER | IQM12 24 | IQM |
| NM60S065 | MILL F SEAL AIR DAMPER | IQTF250 | IQT |

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| NM60S075 | MILL F PF ISOLATING DAMPER 1 | AWT10 96 | AWT |
| NM60S076 | MILL F PF ISOLATING DAMPER 2 | AWT10 96 | AWT |
| NR11S013 | LEFT HAND PRIMARY AIR HEATER GAS OUTLET DAMPER | IQM20 48 | IQM |
| NR11S014 | LEFT HAND PRIMARY AIR HEATER GAS INLET DAMPER | AWT20 48 | AWT |
| NR11S023 | LEFT HAND PRIMARY AIR HEATER GAS INLET DAMPER | 0 | AWT |
| NR11S033 | LEFT HAND PRIMARY AIR HEATER GAS INLET DAMPER | 0 | AWT |
| NR11S036 | LEFT HAND ID FAN ID DISCHARGE DAMPER 1 | AWT20 48 | AWT |
| NR11S037 | LEFT HAND ID FAN ID DISCHARGE DAMPER 2 | AWT20 48 | AWT |
| NR11S043 | LEFT HAND SECONDARY AIR HEATER GAS DAMPER 3 | AWT20 144 | AWT |
| NR11S053 | LEFT HAND SECONDARY AIR HEATER GAS DAMPER 4 | AWT20 144 | AWT |
| NR11S061 | LEFT HAND ID FAN VANE | IQM20 48 | IQM |
| NR11S062 | LEFT HAND ID FAN VANE | IQM20 48 | IQM |
| NR21S013 | RIGHT HAND PRIMARY AIR HEATER GAS OUTLET DAMPER | IQM20 48 | IQM |
| NR21S014 | RIGHT HAND PRIMARY AIR HEATER GAS INLET DAMPER | AWT20 48 | AWT |
| NR21S023 | RIGHT HAND PRIMARY AIR HEATER GAS INLET DAMPER | 0 | AWT |

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| NR21S033 | RIGHT HAND PRIMARY AIR HEATER GAS INLET DAMPER | 0 | AWT |
| NR21S036 | RIGHT HAND ID FAN DISCHARGE DAMPER 1 | AWT20 48 | AWT |
| NR21S037 | RIGHT HAND ID FAN DISCHARGE DAMPER 2 | AWT20 48 | AWT |
| NR21S043 | RIGHT HAND SECONDARY AIR HEATER GAS DAMPER 3 | AWT20 144 | AWT |
| NR21S053 | RIGHT HAND SECONDARY AIR HEATER GAS DAMPER 4 | AWT20 144 | AWT |
| NR21S061 | RIGHT HAND ID FAN VANE | IQM20 48 | IQM |
| NR21S062 | RIGHT HAND ID FAN VANE | IQM20 48 | IQM |
| NS10S045 | MILL A LEFT HAND SECONDARY AIR DAMPER | IQM20 48 | IQM |
| NS10S055 | MILL A RIGHT HAND SECONDARY AIR DAMPER | IQM20 48 | IQM |
| NS20S045 | MILL B LEFT HAND SECONDARY AIR DAMPER | IQM20 48 | IQM |
| NS20S055 | MILL B RIGHT HAND SECONDARY AIR DAMPER | IQM20 48 | IQM |
| NS30S045 | MILL C LEFT HAND SECONDARY AIR DAMPER | IQM20 48 | IQM |
| NS30S055 | MILL C RIGHT HAND SECONDARY AIR DAMPER | IQM20 48 | IQM |
| NS40S045 | MILL D LEFT HAND SECONDARY AIR DAMPER | IQM20 48 | IQM |
| NS40S055 | MILL D RIGHT HAND SECONDARY AIR DAMPER | IQM20 48 | IQM |

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| NS50S045 | MILL E LEFT HAND SECONDARY AIR DAMPER | IQM20 48 | IQM |
| NS50S055 | MILL E RIGHT HAND SECONDARY AIR DAMPER | IQM20 48 | IQM |
| NS60S045 | MILL F LEFT HAND SECONDARY AIR DAMPER | IQM20 48 | IQM |
| NS60S055 | MILL F RIGHT HAND SECONDARY AIR DAMPER | IQM20 48 | IQM |
| NU01S003 | ASH PUMP A DISCHARGE VALVE | AWT25 96 | AWT |
| NU02S003 | ASH PUMP B DISCHARGE VALVE | AWT25 96 | AWT |
| NV10S001 | SOOTBLOWER MAIN SUPPLY CONTROL VALVE(MAIN VALVE 1) | AWT12 24 | AWT |
| NV10S002 | SOOTBLOWER SECTION - CONTROL VALVE SOOTBLOWER B4 (*NO 2) | AWT12 24 | AWT |
| NV10S003 | SOOTBLOWER SECTION - CONTROL VALVE SOOTBLOWER B4 (*NO 3) | AWT12 24 | AWT |
| NV10S004 | SOOTBLOWER SECTION - CONTROL VALVE SOOTBLOWER B4 (*NO 4) | AWT12 24 | AWT |
| NV10S005 | SOOTBLOWER DRAIN VALVE 1A | AWT12 24 | AWT |
| NV10S006 | SOOTBLOWER DRAIN VALVE 1B | AWT12 24 | AWT |
| NV10S007 | SOOTBLOWER DRAIN VALVE 2A | AWT12 24 | AWT |
| NV10S008 | SOOTBLOWER DRAIN VALVE 2B | AWT12 24 | AWT |
| NV10S009 | SOOTBLOWER DRAIN VALVE 3A | AWT12 24 | AWT |

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| NV10S010 | SOOTBLOWER DRAIN VALVE 3B | AWT12 24 | AWT |
| NV10S011 | SOOTBLOWER STANDBY SUPPLY CONTROL VALVE | AWT20 24 | AWT |
| NW00S001 | SPRAYWATER SUPPLY ISOLATING VALVE | AWT35 24 | AWT |
| NW00S101 | SPRAYWATER SUPPLY ISOLATING BYPASS VALVE | AWT12 24 | AWT |
| NW10S001 | SPRAYWATER HP BYPASS SPRAYWATER ISOLATING VALVE | AWT25 24 | AWT |
| NW21S022 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE A1 | AWT25 24 | |
| NW21S023 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE A2 | AWT25 24 | |
| NW21S120 | REHEATER SPRAYWATER REGULATING VALVE A1 | IQM25 48 | |
| NW21S121 | REHEATER SPRAYWATER REGULATING VALVE A2 | IQM25 48 | |
| NW22S022 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE B1 | AWT25 24 | |
| NW22S023 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE B2 | AWT25 24 | |
| NW22S120 | REHEATER SPRAYWATER REGULATING VALVE B1 | IQM25 48 | |
| NW22S121 | REHEATER SPRAYWATER REGULATING VALVE B2 | IQM25 48 | |
| NW23S022 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE C1 | AWT25 24 | |
| NW23S023 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE C2 | AWT25 24 | |

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| NW23S120 | REHEATER SPRAYWATER REGULATING VALVE C1 | IQM25 48 | |
| NW23S121 | REHEATER SPRAYWATER REGULATING VALVE C2 | IQM25 48 | |
| NW24S022 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE D1 | AWT25 24 | |
| NW24S023 | REHEATER SPRAYWATER REGULATING ISOLATING VALVE D2 | AWT25 24 | |
| NW24S120 | REHEATER SPRAYWATER REGULATING VALVE D1 | IQM25 48 | |
| NW24S121 | REHEATER SPRAYWATER REGULATING VALVE D2 | IQM25 48 | |
| NW51S020 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE A1 | AWT20 24 | |
| NW51S021 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE A2 | AWT20 24 | |
| NW51S110 | SUPERHEATER SPRAYWATER REGULATING VALVE A1 | IQM25 18 | IQM |
| NW51S111 | SUPERHEATER SPRAYWATER REGULATING VALVE A2 | IQM25 18 | IQM |
| NW52S020 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE B1 | AWT20 24 | |
| NW52S021 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE B2 | AWT20 24 | |
| NW52S110 | SUPERHEATER SPRAYWATER REGULATING VALVE B1 | IQM25 18 | IQM |
| NW52S111 | SUPERHEATER SPRAYWATER REGULATING VALVE B2 | IQM25 18 | IQM |
| NW53S020 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE C1 | AWT20 24 | |

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| NW53S021 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE C2 | AWT20 24 | |
| NW53S110 | SUPERHEATER SPRAYWATER REGULATING VALVE C1 | IQM25 18 | IQM |
| NW53S111 | SUPERHEATER SPRAYWATER REGULATING VALVE C2 | IQM25 18 | IQM |
| NW54S020 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE D1 | AWT20 24 | |
| NW54S021 | SUPERHEATER SPRAYWATER REGULATING ISOLATING VALVE D2 | AWT20 24 | |
| NW54S110 | SUPERHEATER SPRAYWATER REGULATING VALVE D1 | IQM25 18 | IQM |
| NW54S111 | SUPERHEATER SPRAYWATER REGULATING VALVE D2 | IQM25 18 | IQM |
| RB00S100 | DRAIN STOP VALVE BEFORE TURBINE HOT REHEAT | AWT20 24 | AWT |
| RB00S101 | DRAIN 1 BEFORE TURBINE HOT REHEAT | AWT25 24 | AWT |
| RB40S003 | IP BYPASS REGULATING VALVE DRAIN VALVE | | |
| RC00S001 | HP EXHAUST DRAIN VALVE | AWT12 18 | AWT |
| RC01S002 | DRAIN STOP VALVE AFTER NON RETURN VALVE COLD REHEAT 1 | AWT25 24 | AWT |
| RC01S003 | DRAIN 1 VALVE AFTER NON RETURN VALVE COLD REHEAT 1 | AWT20 24 | AWT |
| RC02S002 | DRAIN STOP VALVE AFTER NON RETURN VALVE COLD REHEAT 2 | AWT20 24 | AWT |
| RC02S003 | DRAIN 1 VALVE AFTER NON RETURN VALVE COLD REHEAT 2 | AWT25 24 | AWT |

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| RC10S002 | COLD REHEAT TO DEAERATOR REGULATING VALVE | IQM20 24 | IQM |
| RC20S002 | BPFT COLD REHEAT DRAIN V | AWT10 18 | AWT |
| RC30S002 | COLD REHEAT AUXILIARY STEAM REGULATING VALVE | IQM25 18 | IQM |
| RF50S002 | EXTRACTION 5 BLED STEAM DRAIN VALVE | AWT10 18 | AWT |
| RF51S001 | HP HEATER 5A BLED STEAM VALVE | AWT25 36 | AWT |
| RF52S001 | HP HEATER 5B BLED STEAM VALVE | AWT25 36 | AWT |
| RF61S001 | HP HEATER 6A BLED STEAM VALVE | AWT25 36 | AWT |
| RF62S001 | HP HEATER 6B BLED STEAM VALVE | AWT25 36 | AWT |
| RH30S003 | EXTRACTION 3 BLED STEAM DRAIN VALVE | AWT12 18 | AWT |
| RH40S003 | EXTRACTION 4A BLED STEAM ISOLATING VALVE | AWT20 48 | AWT |
| RH40S006 | EXTRACTION 4A BLED STEAM DRAIN VALVE | AWT10 24 | AWT |
| RH40S009 | EXTRACTION 4A DEAERATOR DRAIN VALVE | AWT10 18 | AWT |
| RH40S012 | DEAERATOR STORAGE TANK ATMOSPHERE VENT VALVE | AWT12 48 | AWT |
| RH40S024 | DEAERATOR STORAGE TANK WARMING LINE ISOLATING VALVE | AWT10 18 | AWT |
| RH45S003 | EXTRACTION 4B BLED STEAM DRAIN VALVE | AWT10 18 | AWT |

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| RH45S004 | BFPT BLED STEAM EMERGENCY STOP VALVE DRAIN VALVE | AWT10 18 | AWT |
| RL01S003 | EFP A DISCHARGE VALVE | IQ90 48 | IQ2 |
| RL01S004 | EFP A DISCHARGE BYPASS VALVE | AWT20 24 | AWT |
| RL01S005 | | AWT10 48 | AWT |
| RL01S100 | EFP A COUPLING | IQTFM250 | IQTFM |
| RL02S003 | EFP B DISCHARGE VALVE | IQ90 72 | IQ2 |
| RL02S004 | EFP B DISCHARGE BYPASS VALVE | AWT20 18 | AWT |
| RL02S005 | RL | AWT10 48 | AWT |
| RL02S100 | EFP B COUPLING | IQTFM250 | IQTFM |
| RL03S003 | SFP DISCHARGE VALVE | IQ40 96 | IQ2 |
| RL10S201 | HP HEATER BYPASS CONTROL VALVE 1 | AWT12 24 | AWT |
| RL10S301 | HP HEATER BYPASS CONTROL VALVE 2 | AWT12 24 | AWT |
| RL10S401 | HP HEATER A FILLING VALVE | AWT12 24 | AWT |
| RL20S201 | HP HEATER B BYPASS CONTROL VALVE 1 | AWT12 24 | AWT |
| RL20S301 | HP HEATER B BYPASS CONTROL VALVE 2 | AWT12 24 | AWT |

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| RL20S401 | HP HEATER B FILLING VALVE | AWT12 24 | AWT |
| RL40S001 | HP HEATERS COMMON BYPASS VALVE | IQ70 96 | IQ2 |
| RL80S001 | FEED WATER CONTROL VALVE C | IQM35 72 | IQM |
| RL80S002 | FEEDWATER REGULATING ISOLATING VALVE A LINE | IQ40 24 | IQ2 |
| RL80S003 | FEED WATER CONTROL VALVE A | IQM35 36 | IQM |
| RL80S004 | FEEDWATER REGULATING ISOLATING VALVE B LINE | IQ40 24 | IQ2 |
| RL80S005 | FEED WATER CONTROL VALVE B | IQM35 36 | IQM |
| RL80S009 | MAIN FEEDWATER ISOLATING VALVE | IQ70 24 | IQ2 |
| RL80S101 | MAIN FEEDWATER VALVE BYPASS VALVE | AWT20 24 | AWT |
| RL80S102 | FEEDWATER REGULATING ISOLATING VALVE A BYPASS V | AWT12 24 | AWT |
| RL80S104 | FEEDWATER REGULATING ISOLATING VALVE B BYPASS V | AWT12 24 | AWT |
| RL80S109 | FEEDWATER REGULATING ISOLATING VALVE C BYPASS V | AWT12 24 | AWT |
| RM00S003 | CONDENSER LEVEL REGULATING VALVE | IQM35 24 | IQM |
| RM00S004 | DEARATOR STORAGE TANK LEVEL REGULATING VALVE | IQM35 24 | IQM |
| RM03S001 | LP BYPASS SPRAYWATER BYPASS VALVE | AWT10 18 | AWT |

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| RM03S002 | LP BYPASS SPRAYWATER REGULATING VALVE | IQM35 | IQM |
| RM04S001 | SEAL WATER SYSTEM ISOLATING VALVE | AWT10 24 | AWT |
| RM05S001 | CEP CONDENSATE RECIRCULATING VALVE | AWT19 72 | AWT |
| RM06S001 | CONDENSATE RESERVE TANK OUTLET VALVE | AWT20 24 | AWT |
| RM06S003 | CONDENSER MERGENCY MAKE-UP VALVE | AWT25 24 | AWT |
| RM07S001 | CONDENSATE DUMP VALVE | AWT20 96 | AWT |
| RM08S001 | FLASH BOX SPRAYWATER VALVE | AWT10 18 | AWT |
| RM08S002 | LP HOOD SPRAYWATER | AWT10 18 | AWT |
| RM20S001 | CPP BYPASS REGULATING VALVE | IQM35 72 | IQM |
| RM21S101 | CPP A INLET REGULATING VALVE | IQTM500 | IQTM |
| RM21S207 | CPP A OUTLET REGULATING VALVE | IQT500 | IQT |
| RM22S101 | CPP B INLET REGULATING VALVE | IQTM500 | IQTM |
| RM22S207 | CPP B OUTLET REGULATING VALVE | IQT500 | IQT |
| RM23S101 | CPP C INLET REGULATING VALVE | IQTM500 | IQTM |
| RM23S207 | CPP C OUTLET REGULATING VALVE | IQT500 | IQT |

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| RM70S004 | BFPT CONDENSER LEVEL REGULATING VALVE | IQM12 18 | IQM |
| RM73S001 | BFPT CONDENSATE RECIRCULATING VALVE | AWT12 18 | AWT |
| RN10S007 | LP HEATER 1 OUTLET REGULATING VALVE | IQM35 24 | IQM |
| RN20S002 | LP HEATER 2 OUTLET REGULATING VALVE | IQM20 24 | IQM |
| RN21S001 | LP HEATER 2 OUTLET AUXILIARY REGULATING VALVE | IQM20 24 | IQM |
| RN30S002 | LP HEATER 3 OUTLET REGULATING VALVE | IQM12 18 | IQM |
| RN31S001 | LP HEATER 3 OUTLET AUXILIARY REGULATING VALVE | IQM20 18 | IQM |
| RP51S003 | HP HEATER 5A OUTLET REGULATING VALVE | IQM35 24 | IQM |
| RP52S003 | HP HEATER 5B OUTLET REGULATING VALVE | IQM35 24 | IQM |
| RP53S001 | HP HEATER 5A OUTLET AUXILIARY REGULATING VALVE | IQM20 24 | IQM |
| RP54S001 | HP HEATER 5B OUTLET AUXILIARY REGULATING VALVE | IQM20 24 | IQM |
| RP61S001 | HP HEATER 6A OUTLET REGULATING VALVE | IQM20 18 | IQM |
| RP62S001 | HP HEATER 6B OUTLET REGULATING VALVE | IQM20 18 | IQM |
| RP63S001 | HP HEATER 6A OUTLET AUXILIARY REGULATING VALVE | IQM20 24 | IQM |
| RP64S001 | HP HEATER 6B OUTLET AUXILIARY REGULATING VALVE | IQM20 24 | IQM |

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| RQ00S001 | AUXILIARY HEADER MAIN STEAM ISOL VALVE | AWT25 24 | AWT |
| RQ00S002 | AUXILIARY STEAM HEADER DRAIN VALVE | AWT12 24 | AWT |
| RQ10S002 | DEAERATOR STORAGE TANK WARMING STEAM VALVE | AWT20 24 | AWT |
| RQ25S001 | TURBINE WARMING ISOL VALVE | AWT19 48 | AWT |
| RQ30S001 | AUXILIARY STEAM HEADER AUXILIARY BOILER VALVE | AWT19 48 | AWT |
| RQ30S002 | AUXILIARY STEAM HEADER ISOLATING VALVE BYPASS VALVE | AWT10 18 | AWT |
| RQ40S001 | STEAM EJECTOR STEAM VALVE | AWT19 48 | AWT |
| RQ50S001 | BFPT STEAM EJECTOR STEAM VALVE | AWT10 18 | AWT |
| RQ51S001 | BFPT GLAND STEAM ISOLATING VALVE | AWT10 18 | AWT |
| RQ61S001 | 2ND STAGE WARMING VALVE | AWT25 36 | AWT |
| RQ61S003 | WARMING-UP 2ND STAGE WARMING VALVE | AWT25 36 | AWT |
| RT01S001 | MAIN STEAM DRAIN REGULATING VALVE | AWT12 18 | AWT |
| RT01S002 | MAIN STEAM DRAIN ISOLATING VALVE | AWT12 18 | AWT |
| RT02S003 | COLD REHEAT DRAIN VALVE A | AWT12 36 | AWT |
| RT02S004 | COLD REHEAT DRAIN VALVE B | AWT12 36 | AWT |

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| UG10S018 | EMERGENCY MAKE-UP VALVE | AWT12 24 | AWT |
| UG53S001 | CONDENSATE RESERVE TANK LEVEL REGULATING VALVE | IQM12 18 | IQM |
| UG54S001 | MAKE-UP WATER HEATER BYPASS VALVE | AWT10 24 | AWT |
| VC11S011 | MAIN TURBINE CONDENSER COOLING WATER INLET VALVE 1 | AWT35 24 | AWT |
| VC12S011 | MAIN TURBINE CONDENSER COOLING WATER OUTLET VALVE 1 | AWT35 24 | AWT |
| VC14S011 | MAIN TURBINE CONDENSER COOLING WATER INLET VALVE 2 | AWT35 24 | AWT |
| VC15S011 | MAIN TURBINE CONDENSER COOLING WATER OUTLET VALVE 2 | AWT35 24 | AWT |
| VC20S003 | BFPT CONDENSER COOLING WATER INLET VALVE | AWT12 24 | AWT |
| VC21S001 | BFPT CONDENSER COOLING WATER OUTLET VALVE | AWT12 24 | AWT |
| VF10S025 | HYDROGEN THROTTLE VALVE | IQM20 18 | IQM |
| VF11S001 | MAIN TURBINE OIL TEMPERATURE REGULATING VALVE | IQM25 24 | IQM |
| VC51S002 | CW PUMP 1A BACK-UP VALVE | AWT35 24 | AWT |
| VC51S002 | CW PUMP 1B BACK-UP VALVE | AWT35 24 | AWT |
| VC51S002 | CW PUMP 2A BACK-UP VALVE | AWT35 24 | AWT |
| VC51S002 | CW PUMP 2B BACK-UP VALVE | AWT35 24 | AWT |

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| VC51S002 | CW PUMP 3A BACK-UP VALVE | AWT35 24 | AWT |
| VC51S002 | CW PUMP 3B BACK-UP VALVE | AWT35 24 | AWT |
| VC51S002 | CW PUMP 4A BACK-UP VALVE | AWT35 24 | AWT |
| VC52S002 | CW PUMP 4B BACK-UP VALVE | AWT35 24 | AWT |
| VC51S002 | CW PUMP 5A BACK-UP VALVE | AWT35 24 | AWT |
| VC52S002 | CW PUMP 5B BACK-UP VALVE | AWT35 24 | AWT |
| VC51S002 | CW PUMP 6A BACK-UP VALVE | AWT35 24 | AWT |
| VC52S002 | CW PUMP 6B BACK-UP VALVE | AWT35 24 | AWT |
| VF12S006 | GEN STATOR COOLING WATER THROT VALVE | AWT12 36 | AWT |
| VF21S001 | BFPT OIL TEMPERATURE REGULATING VALVE | IQM12 18 | IQM |
| PAB10AA101 | COOLING TOWER NO 1 OUTLET VALVE ACTUATOR | IQ70 | IQ |
| PAB10AA102 | COOLING TOWER NO 2 OUTLET VALVE ACTUATOR | IQ70 | IQ |
| PAB10AA103 | COOLING TOWER NO 3 OUTLET VALVE ACTUATOR | IQ70 | IQ |
| PAB10AA117 | COOLING TOWER NO 1 INLET VALVE ACTUATOR | IQ70 | IQ |
| PAB10AA118 | COOLING TOWER NO 2 INLET VALVE ACTUATOR | IQ70 | IQ |

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| PAB10AA119 | COOLING TOWER NO 3 INLET VALVE ACTUATOR | IQ70 | IQ |
| PAB20AA101 | COOLING TOWER 4 OUTLET V/V ACTUATOR | IQ70 | IQ |
| PAB20AA102 | COOLING TOWER 5 OUTLET VALVE ACTUATOR | IQ70 | IQ |
| PAB20AA103 | COOLING TOWER 6 OUTLET VALVE ACTUATOR | IQ70 | IQ |
| PAB20AA117 | COOLING TOWER 4 INLET V/V ACTUATOR | IQ70 | IQ |
| PAB20AA118 | COOLING TOWER 6 INL V/V ACTUATOR | IQ70 | IQ |
| PAB20AA119 | COOLING TOWER 5 INL V/V ACTUATOR | IQ70 | IQ |
| PAD20AA001 | NORTH COOLING TOWER INLET CROSS OVER VALVE 1 | IQ70 | IQ |
| PAD20AA002 | NORTH COOLING TOWER INLET CROSS OVER VALVE 2 | IQ70 | IQ |
| PAB02AA102 | COOLING TOWER OUTLET VALVE ACTUATOR | IQ70 | IQ |
| PAB63 | CW V/V BETWEEN COOLING TOWER 2 AND 3 ASY | IQ70 | IQ |
| PAB63AA102 | CW V/V BETWEEN COOLING TOWER 2 AND 3 | IQ70 | IQ |
| AB66AA102 | COOLING TOWER OUTLET VALVE ACTUATOR | IQ70 | IQ |

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