# G.E. 615 MW Turbine-Generator

## Comprehensive Technical Report

# TABLE OF CONTENT

# INTRODUCTION SUMMARY:

May 13th, 2023

This booklet is intended to present the prospect buyers for the sales of the 615 Mw Turbine-Generator systems with the minimum information needed in order for them to assess whether this system meets their needs.

The information presented herein comprises all documents and specifications we have gathered of the Turbine- Generator Equipments we have purchased from the South Carolina State owned Electrical and Water Utility Company named Santee Cooper.

The Turbine- Generator equipments are boxed, never used or dislocated being currently stored in its majority inside one of the South Carolina government owned electrical power plants locate at 553 Cross Station Rd, Pineville, SC 29468.

## ORIGIN OF EQUIPMENT:

In the spring 2006 Santee Cooper commissioned the construction of a 615 megawatt, coal-fired generating station in southern Florence County in order to ensure the delivery of power to Santee Cooper's growing customer base. The project was expedited and the operation date was pushed for two years after at the initial cost of $998.00 million. Alston Power was selected as the main partner for this endeavor and General Electric as the manufacturer for the Turbine- Generator system.

In mid-2007, construction began at the "Pee Dee site" under an environmental EPA permit obtained under the Bush Administration in a more than 2,300 acres along the Great Pee Dee River.

During the Obama Administration and in the middle of the construction of the power plant the EPA permit was not renewed on time and let expired. This lead to the application of the new regulations on coal fired power plants emissions approved by EPA which contributed to the demise of this project along with the growing sentiment at both Federal and State government levels against the use of pulverized coal –fired plants.

The contract for the production and delivery of the Turbine- Generator system was awarded to General Electric which began delivering the equipment to the Santee Cooper government facility between the years 2008 to 2015.

**Refer to Wikipedia excerpt as the reason for the project cancellation:**

*"Following sustained community opposition to the project, on February 11, 2009, Governor Mark Sanford came out against the project. In announcing his decision, the governor cited expectations of tougher environmental regulations, rising coal prices, and a weak economy. Sanford said the cost of the plant could double because of restrictions on mercury emissions and expected caps on carbon dioxide emissions.*[14][15]

*Despite Gov. Sanford's position, the state Department of Health and Environmental Control upheld Santee Cooper's air quality permit on Thursday, February 12, 2009.*[16]

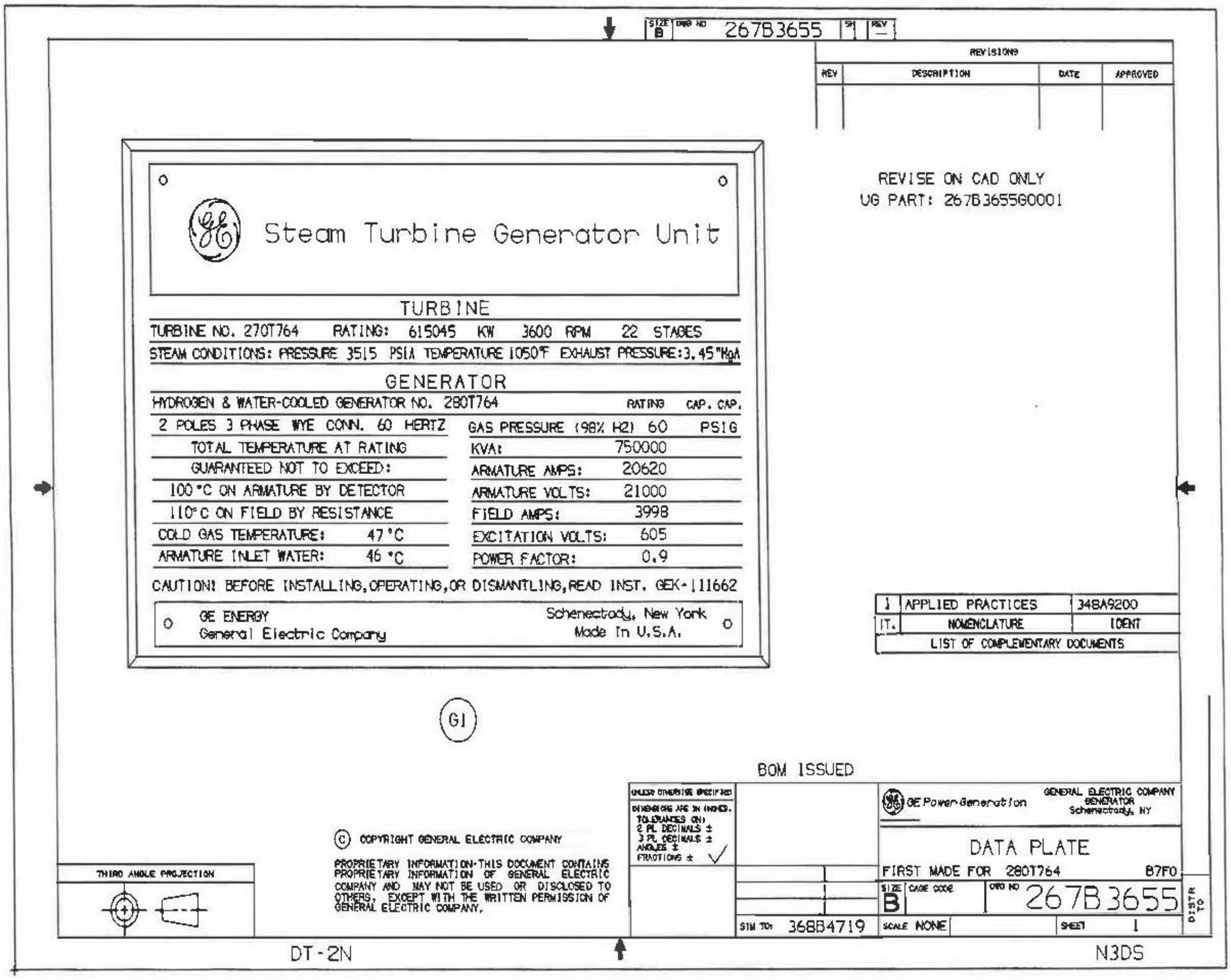
*Despite this approval, in August 2009 the company announced that the project had been suspended.*[17] *On August 24, 2009, the board voted to suspend plans for the plant. As reasons for the cancellation, Santee Cooper CEO Lonnie Carter cited a decrease in electricity demand related to the economic downturn and pending cap-and-trade legislation that could greatly increase the operating costs of coal-fired power plants.*[18] "

The engineering community did not understand why the Sate officials and Alston Power engineers did not simple changed the way to produce the steam from pulverized coal-fire to another more emission friendly fire producing sources such gas and bio mass. This would only have had required changing the type of original proposed "burner " by keeping the rest of the Turbine- Generator system including boiler feed pumps, boiler pump boosters, condenser , cooling tower and accessories the same.

After a legal battle between Santee Cooper and Alston Power that lasted for years, an agreement was reached between the two in which Santee Cooper managed to keep possession of the Equipment while the Ashton

Following the legal settlement with Alston Power, Santee Cooper tried to sell the Equipment unsuccessfully for more than 900.00 million US dollars during a period of one year or more. After several attempts to sell the equipment, Santee Cooper opted to sell the equipment in an auction using Byron Auctioneers which happened in November, 2021.

See below the DATA PLATE assigned by General Electric to the Turbine- Generator with their corresponding serial numbers for proper tracking the origin.



SIZE B DWG NO 267B3655 SH 1 REV —

REVISIONS

| REV | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|
| | | | |

REVISE ON CAD ONLY
UG PART: 267B3655G0001

Steam Turbine Generator Unit

TURBINE

TURBINE NO. 270T764 RATING: 615045 KW 3600 RPM 22 STAGES

STEAM CONDITIONS: PRESSURE 3515 PSIA TEMPERATURE 1050°F EXHAUST PRESSURE: 3.45"HgA

GENERATOR

HYDROGEN & WATER-COOLED GENERATOR NO. 280T764 RATING CAP. CAP.

| | | | |
|---|---|---|---|
| 2 POLES 3 PHASE WYE CONN. 60 HERTZ | | GAS PRESSURE (98% H2) | 60 PSIG |
| TOTAL TEMPERATURE AT RATING | | KVA: | 750000 |
| GUARANTEED NOT TO EXCEED: | | ARMATURE AMPS: | 20620 |
| 100 °C ON ARMATURE BY DETECTOR | | ARMATURE VOLTS: | 21000 |
| 110°C ON FIELD BY RESISTANCE | | FIELD AMPS: | 3998 |
| COLD GAS TEMPERATURE: | 47 °C | EXCITATION VOLTS: | 605 |
| ARMATURE INLET WATER: | 46 °C | POWER FACTOR: | 0.9 |

CAUTION! BEFORE INSTALLING, OPERATING, OR DISMANTLING, READ INST. GEK-111662

GE ENERGY
General Electric Company

Schenectady, New York
Made In U.S.A.

G1

| IT. | NOMENCLATURE | IDENT |
|---|---|---|
| 1 | APPLIED PRACTICES | 348A9200 |

LIST OF COMPLEMENTARY DOCUMENTS

BOM ISSUED

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
2 PL DECIMALS ±
3 PL DECIMALS ±
ANGLES ±
FRACTIONS ± ✓

GE Power Generation

GENERAL ELECTRIC COMPANY
GENERATOR
Schenectady, NY

DATA PLATE

FIRST MADE FOR 280T764 B7F0

SIZE B CAGE CODE DWG NO 267B3655

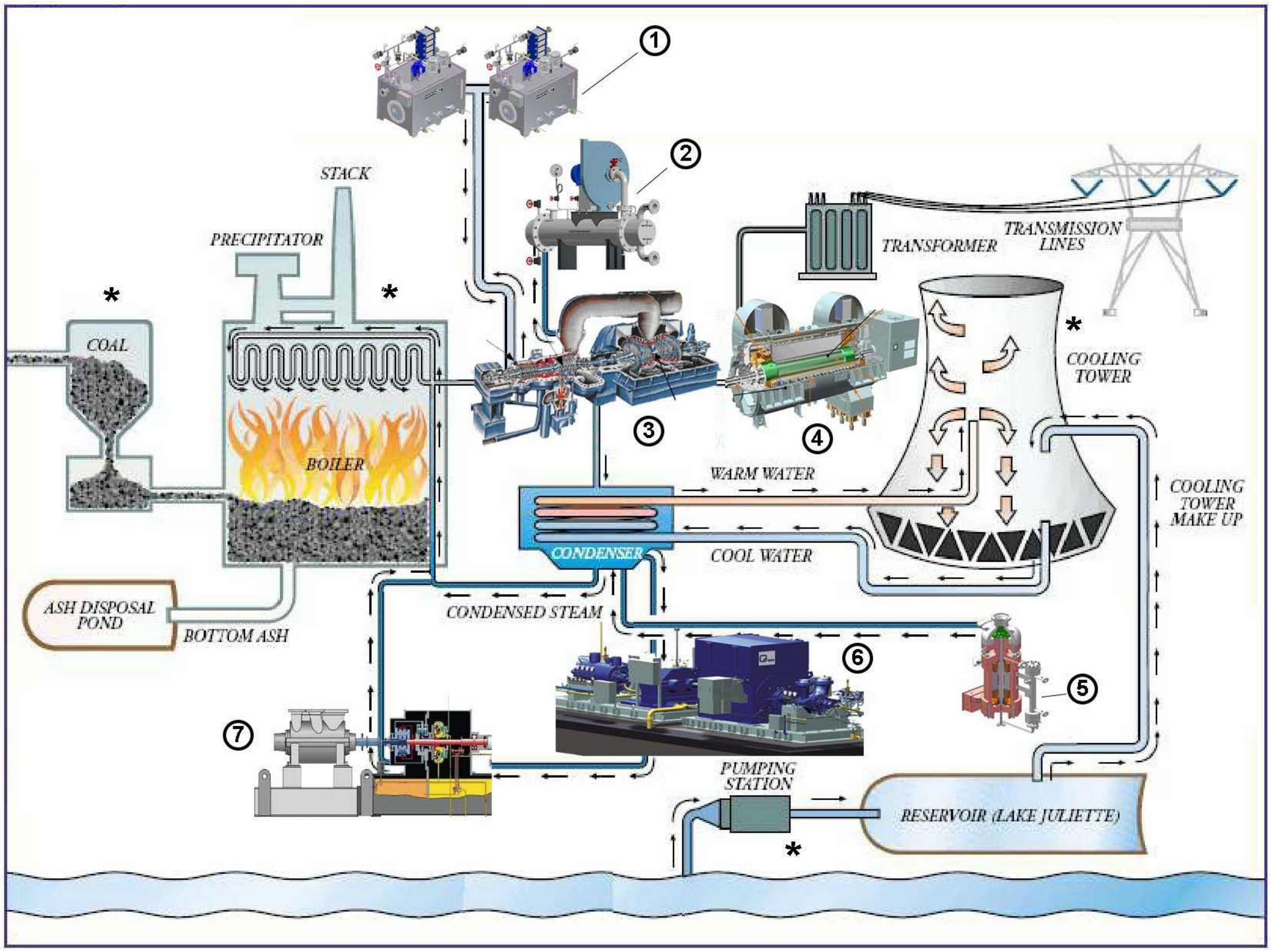
SIM TO: 368B4719

SCALE NONE SHEET 1

DISTR TO

DT-2N

N3DS



**Figure#1.** Schematic Diagram of the Power Plan intended for a person with no so much knowledge of this field.

# 1- BOILER AND ACCESSORIES PACKING LIST:

THE FOLLOWING ITEMS ARE THE PARTS AND ACCESSORIES FOR THE BOILER INSTALLATION SUPPORT. ALL ITEMS ARE BOXED NEVER USED OR DISLOCATED. WE HAVE NO GUARANTEE ON COMPLETION OF THE ENTIRE BOILER SYSTEM ASSEMBLY. THE BUYER SHOULD HAVE ITS OWN INSPECTION AS ALL THE PRODUCTS WILL BE SOLD AS IS WHERE IS.

**1.1-** (2 units) BOILER BOOSTER PUMPS: Boiler Feed Water Booster Pump sled, with GE 3,000 hp Induction motor 3585 rpm, 6,600 volts, 12 gpm lube/oil system, FLOWSERVE 10HDX19A PUMP. **Picture #1**

**1.2-** (2 units): 2008 FLOWSERVE BOILER FEED WATER PUMP, size 80-CHTA-6, 5,500 rpm, CAP, 5,440 gpm, MAWT 375 degree F, MAWP: 7,550 psig, 10,500 lb, S/N M-150782 & GE TERMINAL Box, **Picture #2**

**1.3-** (2 units) GLANDLESS MOTOR PUMP by Hayward Tyler, 1072 hp, 6308 USgpm, 4695 psig, 6600 volts. **Picture #3**

**1.4-** (2 units) GE 3,000.00 hp INDUCTION MOTOR: Model 5k83131592802, 3585 rpm, 6.600 volts, S/N 283005122. **Picture #4**

**1.5-** (1 unit) CONDENSATE CIRCULATING PUMP HOUSING. (Inside original box- No picture taken)

**1.7-** (1 units) 2008 LUFKIN GEAR DRIVE, Model 90VBQ240S, 1750 rpm, 60 hp, S/N120443, 12,800.00 LB of weight. **Picture #5.**

**1.7-** PUMP SLED BARREL START-UP BOILER FEED PUMP, size 4x12CSB-12, 1,200 gpm, 3,580 rpm.12 gpm Lube Oil System. (Motor included, See 2.5). **Picture #6.**

Note: This equipment might not be available at the time of the closing

**1.8-** Additional equipment related to the Hydraulic suction system used at water supply source: Those equipments listed below are ready to be purchased from a third party seller and not in our possession with the exception on one (1) of the 1000 hp Induction Motor cited on item d)

a) (3) 2008 RUHRPUMPEN 26DX24LQ 4-stage pumps, 3610 GPM Hyd pressure 75psi -915 psi, MAWP 50-720psi@120 degree F, 15600 lbs ea. **See Picture 7.**
Note: This equipment might not be available at the time of the closing

b) (3) RUHRPUMPEN pump housings. **See Picture 8.**
Note: This equipment might not be available at the time of the closing

c) Sempell Electronic Control Cabinet 1-SG-CPL-2003 & Hydraulic Power Unit 1-SG-HCU-2003, pkg 157”x67”x121” 6629 lbs. **See Picture 9.**
Note: This equipment might not be available at the time of the closing

d) (2) GE CUSTOM 8000 INDUCTION MOTOR
1000 hp @ 1786 rpm (1 of 3 motors for the 3 RUHRPUMPEN pump arrangements). **See Picture 10.**
Note: One Motor in our possession, the second motor needed might not be available at the time of the closing.

**Picture #1**(2 units)

**Picture #2**(2 units)

**Picture #3** (1 unit)

**Picture #4** (2 units)

**Picture #5**(1unit)

**Picture #6**(1unit)

**Picture #7** (1 unit)

**Picture #8** ( 2 units)

**Picture #9** (1 unit**)**

**Picture #10**( 1 unit)

## **1.9-** Additional Boiler Accessories -Packing List Index:

| |
|---|
| A106 B SML 3/4" XS (.154) 2PCS @ 40 FT |
| A106 B SMLS 1" XS (.179) 12 PCS @260.083 FT |
| A106 B SMLS 1-1/2" XS (.200) 39 PCS @ 819 FT |
| A106 B SMLS 2" XS (.218) 60 PCS @ 1260 FT |
| A106 B SML 1/2" XS (.147) 14 PCS @ 280 FT |
| A106 B SML 3/4" XS (.154) 15 PCS @ 300 FT |
| A106 B SML 1-1/2" XS (.200) 16 PCS @ 320 FT |
| A106 B SML 1" XS (.179) 126 PCS @ 2520 FT |
| QA106 B SML 2" XS (.218) 62 PCS @1302 FT. |
| QA106 B SML 2" XS (.218) 62 PCS @1302 FT. |
| 2" Pipe |
| 1-1/2INCH COPPER 45 DEG ELBOW |
| 1-1/2INCH COPPER LONG TURN 90 DEG ELBOW |
| 1-1/2INCH COPPER TEE |
| 1-1/2X1-1/2X3/4INCH COPPER TEE |
| 1-1/2X1INCH COPPER COUPLING |
| 1-1/2INCH COPPER COUPLING |
| 1-1/2INCH COPPER UNION |
| 1INCH SCH80 SEAMLESS PIPE SA106B |
| 1IN 3000LB SOCKET WELD COUPLING SA105 |
| 1IN3000LBSOCKETWELD90DEGELBOWSA105 |
| 1IN 3000LB SOCKET WELD TEE SA105 |
| 1INX6IN SCH160 PLAIN END NIPPLE SA106B |

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|---|
| 1INCH SCH80 SEAMLESS PIPE A106B |
| 1INCH 3000LB SOCKET WELD 90 ELBOW SA105 |
| 1INCH 3000LB SOCKET WELD 45 ELBOW SA105 |
| 1INCH 3000LB SOCKET WELD COUPLING SA105 |
| 1X8INCH SCH160 PLAIN NIPPLE SEAMLESS A106B |
| 1X8INCH SCH160 PLAIN NIPPLE SEAMLESS SA335-P22 |
| 3/4" PIPE A106 GR.C SMLS S-80 |
| 1" PIPE A106 GR.C SMLS S-80 |
| 10" PIPE A106 GR.C SMLS S-40 |
| 4" PIPE A106 GR.C SMLS S-40 |
| 1-1/2" PIPE S-80 PE ASTM-A106-B |
| Safety VLV Drain Pipe Funnels |
| 1" SW 90 ELBOW 3000# A105 |
| 1" SW TEE 3000# A105 |
| 1 x 3/4" RED INSERT SW 3000# FORGED A105 |
| 1" FULL CPLG SW 3000# FORGED A105 |
| 6" SPIRAL WOUND GASKET |
| 6" RFWN 600# STD SA105 |
| 1"x5"lg STUD A193 B7 W/NUTS |
| 1-1/2" Pipe A106B Sch 80 21 ft random lengths |
| 1-1/2" Pipe A106B Sch 80 21 ft random lengths |
| 2" Pipe A106B Sch 80 21 ft random lengths |
| 2" Pipe A106B Sch 80 21 ft random lengths |
| A2131/2"ODX.049316/LSM |
| A213 1/2 OD X .109" SMLS316 |
| A2131/2"ODX.049316/LSM |
| A213 1/2 OD X .109" SMLS316 |
| A106 1" XS 11 PCS @ 231.00 FT |
| A106 B 2" XS 12 PCS @ 252 FT |
| A106 B 1" XS 12 PCS @ 252 FT |
| A105 1" 3000# SW 90 |
| A105 1' 3000# SW 45 |
| A105 1" 3000# SW TEE |
| A105 1" 3000# SW COUPLING |
| A105 1' 3000# SOCKOLET |
| A105 2" 3000# SW 90 |
| A105 2" 3000# SW 45 |
| A105 2" 3000# SW TEE |
| A105 2' X 1" 3000# SW INSERT |
| A105 2" 3000# SW COUPLING |
| A105 3000# SW 90 |
| A105 1" 3000# SW 45 |
| A105 1' 3000# SW TEE |
| A105 1" 3000# SW COUPLING |

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|---|
| A105 1' 3000# SOCKOLET |
| CONDENSATE PUMP MIN FLOW RECIRC - MOD, GS 6.0" VLV ASY |
| ATI, AIR TANK 15 GALLON |
| ATI, AIR TANK 60 GALLON |
| ATI, AIR TANK 20 GALLON |
| ATI, AIR TANK 60 GALLON |
| ATI, AIR TANK 30 GALLON |
| START-UPBFPRECIRC-MOD,SD3.0"ANGLEVLV ASY |
| ATI, AIR TANK 80 GALLON |
| START-UP BFP BOILER FDWTR SUPPLY - MOD, SD 6.0" VLV ASY |
| FDWTRBOOSTERPUMP1ARECIRC-MOD,SD6.0" ANGLE VLV ASY |
| FDWTRBOOSTERPUMP1BRECIRC-MOD,SD6.0" ANGLE VLV ASY |
| BOOSTERPUMPBOILERFDWTRSUPPLY-MOD,SD 10.0" VLV ASY |
| BFPBOILERFDWTRSUPPLY-MOD,SD8.0"VLVASY |
| A105 1" X 1/2" 3000# SW INSERT |
| A105 1" X 3/4" 3000# SW INSERT |
| A105 1-1/2" X 3/4" 3000# SW INSERT |
| A105 1-1/2" X 1" 3000# SW INSERT |
| A105 2" X 1" 3000# SW INSERT |
| A105 2" X 1-1/2" 3000# SW INSERT |
| A106 B SML 3/4" XS (.154) 10 PCS CUT 0'-4" |
| A106 B SML 3/4" XS (.154) 2 PCS CUT 0'-6" |
| A105 1" 3000# SW TEE |
| A105 1-1/2" 3000# SW TEE |
| A105 2" 3000# SW TEE |
| A105 1" X 1/2" 3000# REDUCING TEE |
| A105 1-1/2" X 3/4" 3000# REDUCING TEE |
| A105 2" X 1" 3000# REDUCING TEE |
| A105 2" X 1-1/2" 3000# REDUCING TEE |
| CCCW Piping |
| CCCW Piping |
| CCCW Piping |
| CCCW Piping |
| CCCW Piping |
| CCCW Piping |
| CCCW Piping |
| 3/8" Beam Attachment w/ bolt |
| 3/8" Nut |
| 3/8" Washer |
| U-Bolt w/ 4 HexNuts |
| Pipe Clamp |

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| Long Tangent w/ 4 Hex Nuts |
| Clevis Hanger, Black |
| Long Tangent w/ 4 Hex Nuts |
| Clevis Hanger, Black |
| 1/4"x2"x4 Steel Plates |
| 3/8"x2"x4" Steel Plate |
| 3/8"x7"X7" Steel Plate |
| Weldless I-Nut R/H - Black |
| 3/8 x 48" THREADED ROD |
| 3" x 4.1lb/ft x 16' CHANNEL |
| 2" x 2" x 1/4" x 160' ANGLE |
| 3" x 3" x 3/8" x 100' ANGLE |
| Pipe Support Small Bore |
| Pipe Support |
| Pipe Support |
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| Pipe Support |
| Pipe Support |
| L3x3x3/8 |
| Safety VLV Drain Pipe Funnels |
| Safety VLV Drain Pipe Funnels |
| Safety VLV Drain Pipe Funnels |
| Safety VLV Drain Pipe Funnels |
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| Safety VLV Drain Pipe Funnels |
| Safety VLV Drain Pipe Funnels |
| Safety VLV Drain Pipe Funnels |
| SA234 WPB 6" 10S LR45 |
| SA234 WPB 6" 10S LR90 |
| SA234 WPB 6 X 4 10S CONC RED |
| SA234 WPB 6" 10S LATERAL |
| SA234 WPB6 X 4 STD RED LATERAL |
| SA234 WPB 4" 10S LR45 |
| A106 B SML 2" XS(.218) 16 PCS @320 FT |
| A106 B SMLS 2 - [21' lengths] |
| A106 B SMLS 3/4" XS(.154) 1 PC @ 20 FT |
| A106 B SMLS 1" XS (.179) 103 PCS @ 2,050 FT |
| 2INCH DXH P22 PIPE |
| 1IN SCH160 P22 PIPE |
| 2IN 9M SW TEE F22 |
| 2X1INCH 6M SW INSERT F22 |
| 2INCH 9M SW 90 F22 |
| 2INCH 9M SW COUPLING F22 |
| 1INCH 9M SW 90 F22 |
| 1-1/2INCH DXH P22 PIPE |
| 1INCH DXH P22 PIPE |
| 1-1/2X1INCH 9M SW TEE F22 |
| 1-1/2INCH 9M SW 90 F22 |
| 1-1/2INCH 9M SW COUPLING F22 |
| 1INCH 9M SW 90 F22 |

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| 1-1/2INCH SCH160 SA106B PIPE |
| 1INCH SCH160 SA106B PIPE |
| 1-1/2X1INCH 6M SW INSERT SA105 |
| 1-1/2INCH 6M SW 90 SA105 |
| 1INCH 6M SW 90 SA105 |
| 1-1/2INCH 6M SW TEE SA105 |
| 1-1/2INCH 6M SW COUPLING SA105 |
| 1INCH 6M SW COUPLING SA105 |
| 2INCH DXH P22 PIPE |
| 2INCH 9M SW 90 F22 |
| 2IN 9M SW COUPLING F22 |
| 2INCH SCH160 SA106B |
| 1INCH SCH160 SA106B PIPE |
| 2INCH 6M SW 90 SA105 |
| 2INCH 6M SW TEE SA105 |
| 2X1INCH 6M SW INSERT SA105 |
| 1INCH SCH160 SA106B PIPE |
| 1INCH 6M SW 90 SA105 |
| 2INCH DXH SA106B PIPE |
| 3X2INCH DXH CONC REDUCER SA234WPB |
| 3INCH GRAYLOC HUB AND CLAMP ASSEMBLY |
| 2INCH 9M SW TEE SA105 |
| 2INCH 9M SW 90 SA105 |
| 2INCH DXH SA106B PIPE |
| 3X2INCH DXH CONC REDUCER SA234WPB |
| 3INCH GRAYLOC HUB AND CLAMP ASSEMBLY |
| 2INCH 9M SW TEE SA105 |
| 2INCH 9M SW 90 SA105 |
| 1INCH SCH160 SA106B PIPE |
| 1INCH 6M SW 90 SA105 |
| 1INCH 6M SW COUPLING SA105 |
| 1INCH SCH80 SA106B PIPE |
| 1INCH SCH160 SA106B PIPE |
| 1INCH 6M SW TEE SA105 |
| 1INCH 3M SW 90 SA105 |
| 1INCH 6M SW 90 SA105 |
| 1INCH 6M SCREWED COUPLING SA105 |
| 1INCH 300LB RF SOCKET WELD FLANGE SA105 |
| 1INCH 300LB FLEXITALLIC GASKET |
| 5/8X3B7STUDSWITH2HEAVYHEXNUTSEACH |
| SPECIAL TEE ASSEMBLY C980-0259-02 ITEM 1 |
| 1INCH 300LB RF SOCKET WELD FLANGE SA105 |
| 1INCHX60INCHES 300LB RF FLANGED FLEX HOSE ASSY |
| 1INCH 2500LB RF WELD NECK FLANGE SA105 |

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| 1INCH 2500LB FLEXITALLIC GASKET |
| 2INCH DXH SA106B PIPE |
| 2X1-1/2INCH 9M SW TEE SA105 |
| 2X1-1/2INCH 9M SW INSERT SA105 |
| 2INCH 9M SW 90 SA105 |
| 2INCH 9M SW COUPLING SA105 |
| MODIFIED ORIFICE COUPLING SA105 |
| 1-1/2INCH DXH SA106B PIPE |
| 3/4INCH SCH160 SA106B PIPE |
| 1-1/2X3/4INCH9MSWREDUCERCOUPLINGSA105 |
| 1-1/2INCH 9M SW 90 SA105 |
| 3/4INCH 6M SW 90 SA105 |
| 1-1/2INCH 9M SW COUPLING SA105 |
| MODIFIED ORIFICE COUPLING SA105 |
| 1-1/2INCH DXH SA106B PIPE |
| 3/4INCH SCH160 SA106B PIPE |
| 1-1/2INCH 9M SW TEE SA105 |
| 1-1/2X3/4INCH9MSWREDUCERCOUPLINGSA105 |
| 1-1/2X1/2INCH 6M SW INSERT SA105 |
| 1-1/2INCH 9M SW 90 SA105 |
| 3/4INCH 6M SW 90 SA105 |
| 1-1/2INCH 9M SW COUPLING SA105 |
| MODIFIED ORIFICE COUPLING SA105 |
| 1INCH SCH160 SA106B PIPE |
| 1INCH 6M SW 90 SA105 |
| 1-1/2INCH DXH SA106B PIPE |
| 3/4INCH SCH160 SA106B PIPE |
| 1-1/2INCH 9M SW TEE SA105 |
| 1-1/2X3/4INCH9MSWREDUCERCOUPLINGSA105 |
| 1-1/2X1/2INCH 6M SW INSERT SA105 |
| 1-1/2INCH 9M SW 90 SA105 |
| 3/4INCH 6M SW 90 SA105 |
| 1-1/2INCH 9M SW COUPLING SA105 |
| MODIFIED ORIFICE COUPLING SA105 |
| 1INCH SCH160 SA106B PIPE |
| 1INCH 6M SW 90 SA105 |
| 1INCH SCH160 P22 PIPE |
| 1INCH 6M SW 90 F22 |
| 1INCH SCH160 SA106B PIPE |
| 1INCH 6M SW 90 SA105 |
| 1INCH SCH160 SA106B PIPE |
| 1INCH 6M SW 90 SA105 |
| 1INCH SCH160 SA106B PIPE |
| 1INCH 6M SW 90 SA105 |
| 1INCH SCH160 P22 PIPE |

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| 1INCH 6M SW 90 F22 |
| 1INCH SCH160 P22 PIPE |
| 1INCH 6M SW 90 F22 |
| 1INCH SCH160 P22 PIPE |
| 1INCH 6M SW 90 F22 |
| 1INCH SCH160 P91 PIPE |
| SPECIAL 9M SW COUPLING F91 |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 6M SW 45 F91 |
| 1INCH 6M SW 90 F91 |
| 1INCH 6M SW TEE F91 |
| 1INCH 6M SW COUPLING F91 |
| 3/4INCH 6M SW 90 F91 |
| 3/4INCH 6M SW TEE F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH SCH160 P91 PIPE |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 6M SW 45 F91 |
| 1INCH 6M SW COUPLING F91 |
| 1INCH 6M SW 90 FP1 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH SCH160 P91 PIPE |
| SPECIAL 9M SW COUPLING F91 |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 6M SW 45 F91 |
| 1INCH 6M SW COUPLING F91 |
| 1INCH 6M SW 90 F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH SCH160 P91 PIPE |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 6M SW 45 F91 |
| 1INCH 6M SW 90 F91 |
| 1INCH 6M SW TEE F91 |
| 1INCH 6M SW COUPLING F91 |
| 3/4INCH 6M SW 90 F91 |
| 3/4INCH 6M SW TEE F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH SCH80 SA106B PIPE |
| 1INCH 3M SW 90 SA105 |
| 1INCH 3M SW COUPLING SA105 |
| 1INCH SCH80 SA106B PIPE |

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| 1INCH 3M SW 90 SA105 |
| 1INCH 3M SW COUPLING SA105 |
| 1INCH SCH80 SA106B PIPE |
| 1INCH 3M SW 90 SA105 |
| 1INCH 3M SW COUPLING SA105 |
| 1INCH SCH80 SA106B PIPE |
| 1INCH 3M SW 90 SA105 |
| 1INCH 3M SW COUPLING SA105 |
| 1INCH DXH P91 PIPE |
| SPECIAL 9M SW COUPLING F91 |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 9M SW 45 F91 |
| 1INCH 9M SW COUPLING F91 |
| 1INCH 9M SW 90 F91 |
| 3/4INCH 6M SW 90 F91 |
| 3/4INCH 6M SW TEE F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH DXH P91 PIPE |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 9M SW COUPLING F91 |
| 1INCH 9M SW 90 F91 |
| 3/4INCH 6M SW 90 F91 |
| 3/4INCH 6M SW TEE F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH DXH P91 PIPE |
| SPECIAL 9M SW COUPLING F91 |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 9M SW 45 F91 |
| 1INCH 9M SW COUPLING F91 |
| 1INCH 9M SW 90 F91 |
| 3/4INCH 6M SW 90 F91 |
| 3/4INCH 6M SW TEE F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH DXH P91 PIPE |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 9M SW 90 F91 |
| 1INCH 9M SW COUPLING F91 |
| 3/4INCH 6M SW 90 F91 |
| 3/4INCH 6M SW TEE F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH SCH160 P22 PIPE |

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| 1INCH 6M SW COUPLING F22 |
| 1INCH SCH160 P22 PIPE |
| 1-1/2X1INCH 6M SW INSERT F22 |
| 1INCH 6M SW 90 F22 |
| 1INCH 6M SW COUPLING F22 |
| 1INCH SCH160 P22 PIPE |
| 1INCH 6M SW COUPLING F22 |
| 1INCH SCH160 P22 PIPE |
| 1-1/2X1INCH 6M SW INSERT F22 |
| 1INCH 6M SW 90 F22 |
| 1INCH 6M SW COUPLING F22 |
| 1INCH SCH160 P22 PIPE |
| 1INCH 6M SW COUPLING F22 |
| 1INCH SCH160 P22 PIPE |
| 1-1/2X1INCH 6M SW INSERT F22 |
| 1INCH 6M SW 90 F22 |
| 1INCH 6M SW COUPLING F22 |
| 1INCH SCH160 P22 PIPE |
| 1INCH 6M SW COUPLING F22 |
| 1INCH SCH160 P22 PIPE |
| 1-1/2X1INCH 6M SW INSERT F22 |
| 1INCH 6M SW 90 F22 |
| 1INCH 6M SW COUPLING F22 |
| 1INCH SCH160 P22 PIPE |
| 1INCH 6M SW 90 F22 |
| 1INCH SCH160 P22 PIPE |
| 1INCH 6M SW 90 F22 |
| 1INCH SCH160 SA106B PIPE |
| 1INCH 6M SW 90 SA105 |
| 1INCH SCH160 SA106B PIPE |
| 1INCH 6M SW 90 SA105 |
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| 1INCH 6M SW 90 SA105 |
| 1INCH SCH160 SA106B PIPE |
| 1INCH 6M SW 90 SA105 |
| 2INCH DXH SA106B PIPE |
| 2INCH 9M SW 90 SA105 |
| 2INCH 9M SW 45 SA105 |
| 2INCH DOUBLE BOLT PIPE CLAMP |
| 1INCH DXH P91 PIPE |
| SPECIAL 9M SW COUPLING F91 |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 9M SW 90 F91 |
| 1INCH 9M SW COUPLING F91 |
| 3/4INCH 6M SW 90 F91 |
| 3/4INCH 6M SW TEE F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH DXH P91 PIPE |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 9M SW 90 F91 |
| 1INCH 9M SW COUPLING F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH DXH P91 PIPE |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 9M SW TEE F91 |
| 1INCH 9M SW 90 F91 |
| 1INCH 9M SW COUPLING F91 |
| 3/4INCH 6M SW 90 F91 |

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| 3/4INCH 6M SW TEE F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH DXH P91 PIPE |
| SPECIAL 9M SW COUPLING F91 |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 9M SW TEE F91 |
| 1INCH 9M SW 90 F91 |
| 1INCH 9M SW COUPLING F91 |
| 3/4INCH 6M SW 90 F91 |
| 3/4INCH 6M SW TEE F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH DXH P91 PIPE |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 9M SW 90 F91 |
| 1INCH 9M SW COUPLING F91 |
| 3/4INCH 6M SW 90 F91 |
| 3/4INCH 6M SW TEE F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH DXH P91 PIPE |
| SPECIAL 9M SW COUPLING F91 |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 9M SW 90 F91 |
| 1INCH 9M SW COUPLING F91 |
| 3/4INCH 6M SW 90 F91 |
| 3/4INCH 6M SW TEE F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 1INCH DXH P91 PIPE |
| 3/4INCH SCH160 P91 PIPE |
| 1INCH 9M SW 90 FP1 |
| 1INCH 9M SW COUPLING F91 |
| 1X3/4INCH 6M SW INSERT F91 |
| 3/4INCH 6M SW CAP F91 |
| 3/4INCH SCH80 SA106B PIPE |
| 3/4INCH 3M SW 90 SA105 |
| 3/4INCH SCH80 SA106B PIPE |
| 3/4INCH 3M SW 90 SA105 |
| 1INCH SCH160 SA106B PIPE |
| 1INCH 6M SW 90 SA105 |
| 1INCH SCH160 P22 PIPE |
| 3/4INCH SCH160 P22 PIPE |
| 1INCH 6M SW 90 F22 |

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| 1X3/4INCH 6M SW INSERT F22 |
| 1INCH SCH160 P22 PIPE |
| 3/4INCH SCH160 P22 PIPE |
| 1INCH 6M SW 90 F22 |
| 1X3/4INCH 6M SW INSERT F22 |
| 1INCH SCH160 P22 PIPE |
| 3/4INCH SCH160 P22 PIPE |
| 1INCH 6M SW 90 F22 |
| 1X3/4INCH 6M SW INSERT F22 |
| 1INCH SCH160 P22 PIPE |
| 3/4INCH SCH160 P22 PIPE |
| 1INCH 6M SW 90 F22 |
| 1X3/4INCH 6M SW INSERT F22 |
| 1-1/2INCH DXH P22 PIPE |
| 1INCH SCH160 P22 PIPE |
| 1-1/2X1INCH 9M SW TEE F22 |
| 1-1/2INCH 9M SW 90 F22 |
| 1-1/2INCH 9M SW COUPLING F22 |
| 1INCH 6M SW 90 F22 |
| 1-1/2INCH DXH P22 PIPE |
| 1INCH SCH160 P22 PIPE |
| 1-1/2X1INCH 9M SW TEE F22 |
| 1-1/2INCH 9M SW 90 F22 |
| 1-1/2INCH 9M SW COUPLING F22 |
| 1INCH 6M SW 90 F22 |
| 1-1/2INCH SCH80 P22 PIPE |
| 1INCH SCH80 P22 PIPE |
| 1-1/2X1INCH 3M SW REDUCING TEE F22 |
| 1-1/2INCH 3M SW 90 F22 |
| 1-1/2INCH 3M SW COUPLING F22 |
| 1INCH 6M SW 90 F22 |
| 32IN.DIA.X39FTLONGAMMONIA/AIRHEADER |
| DIFF. PRESSURE IND. MOUNTING PIPE |
| 32IN.DIA.X39FTLONGAMMONIA/AIRHEADER |
| DIFF. PRESSURE IND. MOUNTING PIPE |
| 6 IN. DIA. X 7 IN. LONG CONTROL ZONE SPOOL PIECE |
| 6 IN. DIA. X 7 IN. LONG CONTROL ZONE SPOOL PIECE |
| 6 IN. DIA. X 24IN. LONG CONTROL ZONE SPOOL PIECE |
| 6 IN. DIA. X 24IN. LONG CONTROL ZONE SPOOL PIECE |
| 4 IN. DIA CONTROL ZONE SPOOL PIECE WITH ELBOW |
| 4 IN. DIA CONTROL ZONE SPOOL PIECE WITH ELBOW |

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| 3/4-10 X 4-1/2 LONG CS B7 STUD |
| 3/4-10 X 5-3/4 LONG CS B7 STUD |
| 3/4-10 CS HEAVY HEX NUT |
| 3/4 IN. CS SPLIT LOCKWASHER |
| 3/4-10 X 4-1/2 LONG CS B7 STUD |
| 3/4-10 X 5-3/4 LONG CS B7 STUD |
| 3/4-10 CS HEAVY HEX NUT |
| 3/4 IN. CS SPLIT LOCKWASHER |
| 6 IN. AVD BUTTERFLY DAMPER VALVE |
| 6 IN. AVD BUTTERFLY DAMPER VALVE |
| 6 IN. AVD BUTTERFLY DAMPER VALVE |
| 6 IN. AVD BUTTERFLY DAMPER VALVE |
| 6IN.X24IN.LONG150LBFLANGEDSSFLEXHOSE |
| GASKET 2" 300 LBS SPIRAL WOUND |
| GASKET 2" 150 LBS SPIRAL WOUND |
| GASKET 3" 150 LBS SPIRAL WOUND |
| GASKET 1" 300 LBS SPIRAL WOUND |
| GASKET,MANWAY,30.12"DIX38.75"ODC.125 THK |
| GASKET,MANWAY,30"DIX34.12"ODC.125THK |
| SPARE TUBING |
| USB LANCE SUP BRG |
| USB LANCE SUP BRG |
| USB LANCE SUP BRG |
| USB LANCE SUP BRG |
| USB LANCE EXTENSION |
| USB LANCE EXTENSION |
| SLEEVE ASSY |
| SLEEVE ASSY |
| SLEEVE ASSY |
| SLEEVE ASSY |
| SLEEVE ASSY |
| SLEEVE ASSY |
| WELDNECK FLANGE |
| REDUCER |
| FLANGE GASKET |
| STUD FLNG |
| HEX NUT |
| WELDNECK FLANGE |
| REDUCER |
| FLANGE GASKET |
| STUD, FLNG |
| HEX NUT |
| COLLAR SHAFT |
| EYE BOLT |

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| SHAFT |
| VALVE WRENCH |
| HEX NUT |
| stud |
| WELDNECK FLANGE |
| REDUCER |
| FLANGE GASKET |
| STUD, FLNG |
| HEX NUT |
| COLLAR SHAFT |
| EYE BOLT |
| SHAFT |
| HEX NUT |
| VALVE WRENCH |
| Flex Hoses For Acoustic Pyrt |
| FLEX HOSES-W/B&SOFA DMPR DRV |
| FLEX HOSES-W/B&SOFA DMPR DRV |
| FLEX HOSES FOR MAIN STEAM ERV |
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| FLEX HOSES FOR MAIN STEAM ERV |
| FLEX HOSES-FURN ACESS DOOR |
| FLEX HOSES-FURN ACESS DOOR |
| FLEX HOSES-FURN ACESS DOOR |
| FLEX HOSES-FURN ACESS DOOR |
| FLEX HOSE-BLR WTR RCRC PUMP |
| FLEX HOSE-BLR WTR RCRC PUMP |
| 8785.22.31 SAFETY SHOWER STATION HEATING UNIT |
| 8317CTFP9001 EYEWASH AND SHOWER STATION |
| Motor Junction Box |
| 1-1/2" 45 Elbow 3000# SW A105 |
| 2" 45 Elbow 3000# SW A105 |
| 1-1/2" 90 Elbow 3000# SW A105 |
| 2" 90 Elbow 3000# SW A105 |
| 2" x 1-1/2" Tee 3000# SW A105 |
| 1-1/2" SW X 1-1/2" FNPT Union 3000# A105 |
| 1-1/2" SW Flange 150# RF Sch 80 Bore A105 |
| 1-1/2" Ring Gasket 150# Rubber 1/8 Thick |

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| 1/2" X 3" Stud A193 B7 |
| 1/2" Nut A194 2H |
| 3/4" VELAN T PATTERN GLOBE |
| 1" T PATTERN GLOBE |
| 3/4" VELAN T PATTERN GLOBE |
| 1" T PATTERN GLOBE |
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| 1" T PATTERN GLOBE |
| 1" METAL SEATED BALL VALVE |
| 1" METAL SEATED BALL VALVE |
| 2-1/2-3GR23 GRAYLOC HUB |
| 2-1/2-3GR23 GRAYLOC HUB BLIND |
| 2-1/2-3SA266GR3 GRAYLOC 2PC CLAMP |
| GRAYLOC SEAL RING |
| 2-1/2-3GR23 GRAYLOC HUB |
| 2-1/2-3GR23 GRAYLOC HUB BLIND |
| 2-1/2-3SA266GR3 GRAYLOC 2PC CLAMP |
| GRAYLOC SEAL RING |
| 2-1/2-3GR23 GRAYLOC HUB |
| 2-1/2-3GR23 GRAYLOC HUB BLIND |
| 2-1/2-3SA266GR3 GRAYLOC 2PC CLAMP |
| GRAYLOC SEAL RING |
| 2-1/2-3GR23 GRAYLOC HUB |
| 2-1/2-3GR23 GRAYLOC HUB BLIND |
| 2-1/2-3SA266GR3 GRAYLOC 2PC CLAMP |
| GRAYLOC SEAL RING |
| 2-1/2-3GR23 GRAYLOC HUB |
| 2-1/2-3GR23 GRAYLOC HUB BLIND |
| 2-1/2-3SA266GR3 GRAYLOC 2PC CLAMP |
| GRAYLOC SEAL RING |
| 2-1/2-3GR23 GRAYLOC HUB |
| 2-1/2-3GR23 GRAYLOC HUB BLIND |
| 2-1/2-3SA266GR3 GRAYLOC 2PC CLAMP |
| GRAYLOC SEAL RING |
| 2-1/2-3GR23 GRAYLOC HUB |
| 2-1/2-3GR23 GRAYLOC HUB BLIND |
| 2-1/2-3SA266GR3 GRAYLOC 2PC CLAMP |
| GRAYLOC SEAL RING |
| 1/2" Globe Valve Velan W03-2074B-02TY |
| 1/2" Globe Valve Velan W03-2074B-02TY |
| 1/2" Globe Valve Velan W03-2074B-02TY |

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| 1/2" Globe Valve Velan W03-2074B-02TY |
| 3/4" Ball Valve Jamesbury 4CB-2236TTB1 |
| 3/4" Globe Valve Velan W04-2074B-02TY |
| 3/4" Globe Valve Velan W04-2074B-02TY |
| 3/4" Globe Valve Velan W04-2074B-02TY |
| 3/4" Globe Valve Velan W04-2074B-02TY |
| 1" Gobe Valve Velan W05-2074B-02TY |
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| 1" Gobe Valve Velan W05-2074B-02TY |
| 1" Gobe Valve Velan W05-2074B-02TY |
| 1" Swing Check Valve Velan W05-2114B-02TSA |
| 1" Swing Check Valve Velan W05-2114B-02TSA |
| 1" Swing Check Valve Velan W05-2114B-02TSA |
| 1" Swing Check Valve Velan W05-2114B-02TSA |
| 1-1/2" Globe Valve Velan W07-2074B-02TY |
| 1-1/2" Globe Valve Velan W07-2074B-02TY |
| 1-1/2" Globe Valve Velan W07-2074B-02TY |
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| 1-1/2" Globe Valve Velan W07-2074B-02TY |
| 3/4" Ball Valve Jamesbury 4CB-2236TTB1 |
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| 3/4" Ball Valve Jamesbury 4CB-2236TTB1 |
| 1" Piston Check Valve Velan W05-3034B-06TS |
| 1" Piston Check Valve Velan W05-3034B-06TS |
| 1" Piston Check Valve Velan W05-3034B-13MS |
| 1" Piston Check Valve Velan W05-3034B-13MS |
| 1" Piston Check Valve Velan W05-5036W-10CL |
| 1" Piston Check Valve Velan W05-5036W-10CL |
| 1" Piston Check Valve Velan W05-5036W-10CL |
| 1-1/2"SwingCheckValveVelanW07-2114B-02TSA |
| 3/4" Ball Valve Jamesbury 4CB-2236TTB1 |
| 3/4" Ball Valve Jamesbury 4CB-2236TTB1 |
| 3/4" Ball Valve Jamesbury 4CB-2236TTB1 |
| 3/4" Swing Check Valve Velan W04-2114B-02TSA |
| 3/4" Swing Check Valve Velan W04-2114B-02TSA |
| 1/2" Ball Valve Jamesbury 4CB-2236TTB1 |
| 1/2" Ball Valve Jamesbury 4CB-2236TTB1 |
| 1" Ball Valve Jamesbury 4CB-2236TTB1 |
| 1" Ball Valve Jamesbury 4CB-2236TTB1 |
| 1-1/2" Y Globe Valve Velan W07-2076B-02TS |
| 1-1/2" Y Globe Valve Velan W07-2076B-02TS |
| 2" Ball Valve Jamesbury 4CB-2236TTB1 |
| 1-1/2" Ball Valve Jamesbury 4CB-2236TTB1 |
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| 2" Ball Valve Jamesbury 4CB-2236TTB1 |
| 3/4 x 1 Consolidated RlfVlv 19096LCF @ 100 psig |
| 3/4 x 1 Consolidated RlfVlv 19096LCF @ 100 psig |
| 3/4 x 1 Consolidated RlfVlv 19096LCF @ 100 psig |
| 3/4 x 1 Consolidated RlfVlv 19096LCF @ 100 psig |
| 3/4 x 1 Consolidated RlfVlv 19096LCF @ 100 psig |
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| 3/4 x 1 Consolidated RlfVlv 19096LCF @ 100 psig |
| 3/4 x 1 Consolidated RlfVlv 19096LCF @ 100 psig |
| 1" Piston Check Valve Velan W05-9036W-02TS |
| 1" Piston Check Valve Velan W05-9036W-06TS |
| 1" Piston Check Valve Velan W05-9036W-06TS |
| 1" Piston Check Valve Velan W05-9036W-06TS |
| 1" Piston Check Valve Velan W05-9036W-06TS |

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| 1" Piston Check Valve Velan W05-9036W-06TS |
| 1x1-1/2 Consolidated RlfVlv 19226LCO@ 130 psig |
| 3/4 x 1 Consolidated RlfVlv 19096MCO @ 350 psig |
| 4" Ball Valve Jamesbury 730S-31-2236XTZ1 |
| 4" Ball Valve Jamesbury 730S-31-2236XTZ1 |
| 3/4" Ball Valve Jamesbury 4CB-2236TTB1 |
| 3/4" OD Needle Valve Swagelok SS-12NBS12-G |
| 2" Pressure Reg Fisher 99 61HP Pilot 150# Flg |
| 1 X 1 Consolidated Rlf Valve 19096LCO @ 100 psig |
| 4" Ball Valve Jamesbury 730S-31-2236XTZ1 |
| 3"GateValveVelanB10-1064C-02TSBnntEqlzgLn |
| 3"GateValveVelanB10-1064C-02TSBnntEqlzgLn |
| 3"GateValveVelanB10-1064C-02TSBnntEqlzgLn |
| 3"GateValveVelanB10-1064C-02TSBnntEqlzgLn |
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| 3"GateValveVelanB10-1064C-02TSBnntEqlzgLn |
| 3"GateValveVelanB10-1064C-02TSBnntEqlzgLn |
| 3"GateValveVelanB10-1064C-02TSBnntEqlzgLn |
| 4"GateValveVelanB12-1064C-02TSBnntEqlzgLn |
| 4"GateValveVelanB12-1064C-02TSBnntEqlzgLn |
| 8"GlobeVlvVelanB15-1074C-02TYGearOperator |
| 8"GlobeVlvVelanB15-1074C-02TYGearOperator |
| 2" 4DB-2236TTA1 Jamesbury Ball Valve Assembly |
| 2" 4DB-2236TTA1 Jamesbury Ball Valve Assembly |
| 2" 4DB-2236TTA1 Jamesbury Ball Valve Assembly |
| 3/4" Steam Trap Watson McDaniel WSIB-450-SW |
| 3/4" Steam Trap Watson McDaniel WSIB-450-SW |
| 3/4" Steam Trap Watson McDaniel WSIB-450-SW |
| 3/4" Steam Trap Watson McDaniel WSIB-450-SW |
| 3/4" Liquid Dr Trap Watson McDaniel WLD1802R NPT |
| 3/4" Liquid Dr Trap Watson McDaniel WLD1802R NPT |
| 3/4" Liquid Dr Trap Watson McDaniel WLD1802R NPT |
| 3/4" Liquid Dr Trap Watson McDaniel WLD1802R NPT |

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| 3/4" Liquid Dr Trap Watson McDaniel WLD1802R NPT |
| 3" Y StrnrFabrotech 3.0-C7-300-.033" BW |
| 3" Y StrnrFabrotech 3.0-C7-300-.033" BW |
| 3" Y StrnrFabrotech 3.0-C7-300-.033" BW |
| 3" Y StrnrFabrotech 3.0-C7-300-.033" BW |
| 3" Y StrnrFabrotech 3.0-C7-300-.033" BW |
| 3" Y StrnrFabrotech 3.0-C7-300-.033" BW |
| 3" Y StrnrFabrotech 3.0-C7-300-.033" BW |
| 3" Y StrnrFabrotech 3.0-C7-300-.033" BW |
| 1" Y Strainer Fabrotech 1.0-C6-600-.033 SW |
| 1" Y Strainer Fabrotech 1.0-C6-600-.033 SW |
| 1" Y Strainer Fabrotech 1.0-C6-600-.033 SW |
| 1" Y Strainer Fabrotech 1.0-C6-600-.033 SW |
| 4" Duplex Strainer 300# Flanged Mueller 794F-DH |

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| Pump Motor |
| MOD, SD 2.0" VLV ASY |
| MOD, SD 2.0" VLV ASY |
| MOD, SD 2.5" VLV ASY |
| MOD, SD 8.0" VLV ASY |
| SPARE GASKETS AND PACKING |
| MOD, SD 12.0" VLV ASY |
| 6 IN. 150LB FLEXITALLIC CG GASKET |
| 6 IN. 150LB FLEXITALLIC CG GASKET |
| DIFF. PRESSURE IND. GAUGE ISOLATION VALVE |
| WATER BOOSTER PUMP SKID |
| MOD, GS 4.0" VLV ASY |
| SPARE GASKETS AND PACKING |
| MOD, SD 2.5" VLV ASY |
| MOD, SD 6.0" VLV ASY |
| MOD, SD 2.0" VLV ASY |
| MOD, SD 4.0" VLV ASY |
| MOD, SD 2.0" VLV ASY |
| MOD, SD 2.5" VLV ASY |
| MOD, GS 8.0" VLV ASY |
| SPARE PACKING AND GASKETS |
| MOD, GS 8.0" VLV ASY |
| MOD, GS 6.0" VLV ASY |
| MOD, GS 6.0" VLV ASY |
| Control Panel 480 Volt |
| Duct Heater Gasket |
| Control Panel 480 Volt |
| Fuse Class CC 10A 600V |
| Fuse Form II 2.5A 250VAC |
| Fuse 70A Class J |
| Semi Conductor Fuse 300A 700V |

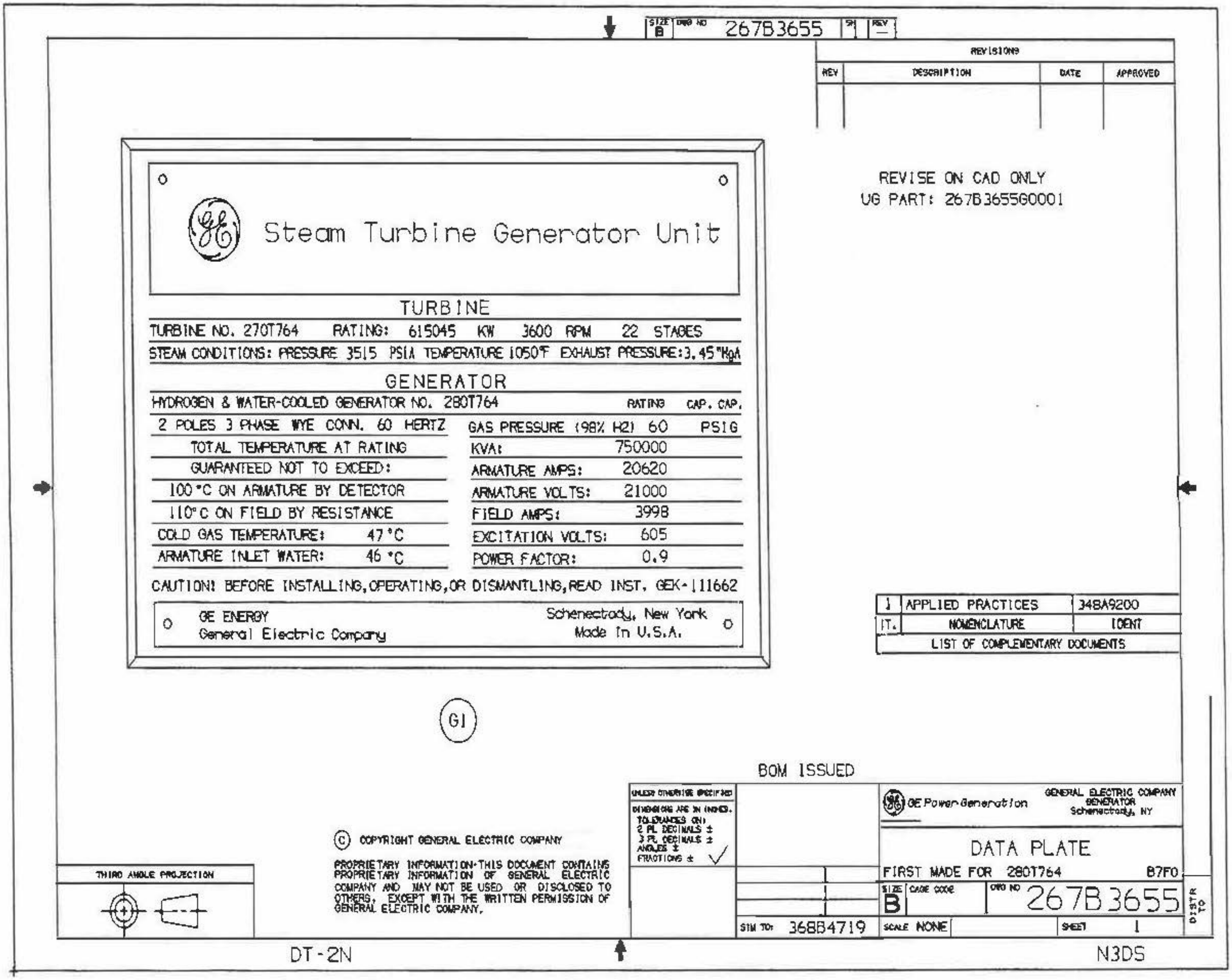
# 2- *TURBINE EQUIPMENT AND ACCESSORIES PACKING LIST*

THE FOLLOWING ITEMS ARE THE PARTS AND ACCESSORIES FOR THE TURBINE INSTALLATION SUPPORT. ALL ITEMS ARE BOXED NEVER USED OR DISLOCATED. WE HAVE NO GUARANTEE ON COMPLETION OF THE ENTIRE TURBINE SYSTEM ASSEMBLY. THE BUYER SHOULD HAVE ITS OWN INSPECTION AS ALL THE PRODUCTS WILL BE SOLD AS IS WHERE IS.

**2.1-** Unit Profile: GE Power Systems
Turbine Serial Number: 270T764
Generator Serial Number: 290T764, RPM: 3600 (*)

Turbine: (3 rotor units)
Design Code: G12
Control System: Mark VI
Stages: 22
Initial Steam Temperature: 1050°F
Initial Steam Pressure: 3,515 PSIA

.



SIZE B DWG NO 267B3655 SH 1 REV —

| REVISIONS | | | |
|---|---|---|---|
| REV | DESCRIPTION | DATE | APPROVED |
| | | | |

REVISE ON CAD ONLY
UG PART: 267B3655G0001

Steam Turbine Generator Unit

TURBINE

TURBINE NO. 270T764 RATING: 615045 KW 3600 RPM 22 STAGES

STEAM CONDITIONS: PRESSURE 3515 PSIA TEMPERATURE 1050°F EXHAUST PRESSURE: 3.45"HgA

GENERATOR

HYDROGEN & WATER-COOLED GENERATOR NO. 280T764 RATING CAP. CAP.

| | | | |
|---|---|---|---|
| 2 POLES 3 PHASE WYE CONN. 60 HERTZ | GAS PRESSURE (98% H2) | 60 | PSIG |
| TOTAL TEMPERATURE AT RATING | KVA: | 750000 | |
| GUARANTEED NOT TO EXCEED: | ARMATURE AMPS: | 20620 | |
| 100 °C ON ARMATURE BY DETECTOR | ARMATURE VOLTS: | 21000 | |
| 110°C ON FIELD BY RESISTANCE | FIELD AMPS: | 3998 | |
| COLD GAS TEMPERATURE: 47 °C | EXCITATION VOLTS: | 605 | |
| ARMATURE INLET WATER: 46 °C | POWER FACTOR: | 0.9 | |

CAUTION! BEFORE INSTALLING, OPERATING, OR DISMANTLING, READ INST. GEK-111662

GE ENERGY
General Electric Company

Schenectady, New York
Made In U.S.A.

G1

| | | |
|---|---|---|
| 1 | APPLIED PRACTICES | 348A9200 |
| IT. | NOMENCLATURE | IDENT |
| | LIST OF COMPLEMENTARY DOCUMENTS | |

BOM ISSUED

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
2 PL DECIMALS ±
3 PL DECIMALS ±
ANGLES ±
FRACTIONS ± ✓

GE Power Generation

GENERAL ELECTRIC COMPANY
GENERATOR
Schenectady, NY

DATA PLATE

FIRST MADE FOR 280T764 B7F0

SIZE B CAGE CODE DWG NO 267B3655

SIM TO: 368B4719

SCALE NONE SHEET 1

DISTR TO

DT-2N

N3DS

**2.1-** Turbine Lube Oil Management Console
**2.2-** Turbine Generator Sole Plates
**2.3-** Upper and Lower LP "B" Hood
**2.4-** Generator Upper and Lower LP "A" Hood
**2.5-** Front Standard
**2.6-** Upper LP B Shell & Casing
**2.7-** Upper LP A Shell & Casing
**2.8-** Upper LP A Hood
**2.9-** Upper LPB Hood
**2.10-** LP lower Outer & Inner Shells & Pkg CSGS
**2.11-** LP A Lower diaphragms
**2.12-** LP B Lower Diaphragms
**2.13-** Bearings T-5 & T-6
**2.14-** HP Upper Shells
**2.15-** Fit Bearings T-3 & T-4
**2.16-** Combined Reheat Valves on Temporary Supports
**2.17-** Main Stop & Control Valve Chest
**2.18-** LPB Rotor and LPA Rotor
**2.19-** Ventilator Valve
**2.20-** Blow down Valve
**2.21-** LP Hood Spray Piping
**2.22-** Turning Gear
**2.23-** Main Stop Valve Operators
**2.24-** Intercept Valve Operators
**2.25-** Control Valve Operators
**2.26-** Bearings T-1 & T-2
**2.27-** HP Rotor
**2.28-** Control Rotor
**2.29-** Lower Thrust Bearing
**2.30-** Control Valve Linkages
**2.31-** Crossover Piping

### 2.32- More Detailed Packing Index:

RUBBER BUSHINGS, PLAIN WASHER WIDE, PLAIN WASHER NARROW, GASKETING, HEX BOLTS,WASHERWIDE,ADHESIVE,STEELEYEBOLT,CAPPLUGS,ANCHORASM/EXHHD,ANCHOREXHHD,KEY,ALUMINUMDIAPHRAGM,SPAREBALWTS&PLUGLOC,BALANCEWGT,SETSCREW/ALLOWSTL,BAL.WEIGHT,SCREW SET HEX SOC, PKG RINGS, SPRING, RODS/WIRE,RING/PKG-BRUSH ASSY, USE 01141J37P0045, ARRGT COND-EXHT.G,TURNGEARJUNCBOX/PNLAY,JUNCT/BOX/PROXIMITOR,JUNCTIONBOXES, BRACKET/JCTBOX,JAKECONN,CONDUITVN,CONFITPN,CONDUITUNION,BUSHING/CONCT, BUSHCONDUTGEDNEYB200,BUSHINGRED(THREADED),CONN.CBL.GRP,CONNECTOR,PLUG/OILTIGHT, CONDUIT/RIGIT,FLEXCONDUIT,CONDUIT/LIQUIDTITE,CONDUIT-LIQ,CONNECTORSTRT,CONNSTVN.75NPTLIQTITE,CONNSTRT1.00NPTLIQTI,CONDUITCONNECTOR,CONNSTVN,CONN/45DEG

,O-RING, SEALORING,LOCKNUT/CONDUIT,BUSHINGINSULCONDUIT,TERMINAL,SCREW/SOCKTHEADCAP, NUT/MCHSCREWHEX,LOCKWASHER/SPRING,WASHER/PLAIN-TYPEB,CNDFITTINGJAKE,NIPPLEVN, NIPPLE, STRAP/PPE, CLAMP, NAMEPLATE REDX, NAMEPLATE VX-6Y, WIRE#14 AWG, WIRE#10, TERMIANAL16-14,TERMINAL,WIREMARKER16-14,WIREMARKERS10-8,SLEEVE(HEAT-SHRINK),TY-RAP, B87 EXP JNT ASSY SPECIAL, INR. SEAL RING, SEAL RNG OTR, SEAL AND FIT RING, RING OUTER LOCKING, RINGOUTERRETAINING,PKGRINGELLIP,PERFTESTSITEASSY,BRGTCWIREROUTING,TUBING,CABLE STRAP, SCREW MCH ROUND HD, LK WASHER/SPRING, GASKET JOINT DE=128 DI=100 E=1, SPIRAL WOUND GASKETJOINT,VARIOUSGASKETJOINTS,SHIMSUPPORTLIKAGE(SRHP),SHIMSUPPORTLIKAGE(VAHP), CARTIDGELEAKTIGHTNESS,O’RING250INT5,3,O’RINGR30,STUFFINGSQUARESECTION10X10,HIGH VOLTAGEBUSHING

SE-400-CGUIDES/TBENDST,SHOPFITENDSHIELDCE,ENDSHLDJTMACH-LHCE,BEARINGCAPJOINT MACHCE,SHOPFITENDSHIELDTE,DEVN-ENDSHLDJTMACHUHTE,BEARINGCAPJOINTMACHTE,E3A- BASE/BHRASSY,ACTUATORASSY-SV#1,ACTUATORASSY-SV#2,BOLT-HXHD,CVCOUPLINGSPACER,CV-INSULATINGRING,BOLTHEXHD,PLATELOCK,SCREWCAPHEXHD,PLUGPIPE,COUPLING-SV,STUD,NUT, PLATELOCK,FLANGE,GASKET/SPIRALWOUND,JBASSYPHOENIXTBS,ACTSPEC-RSV,ACTSPEC-IV

PANEL & INDICATOR, MISC COMPONENTS, CURRENT TRANSFORMER, AIR END TERMINAL-HVB ASSY, ADJUSTING SCREW, MERCOID TEMP CONTROL, GENERATOR PROTECTION PANEL, CONFIG SOFTWARE, SYSTEM 1 SERVER, LAN SW 10/100B-T, KPH TO BLOCK CABLE, PSEUDO PART, EXITATION INSALL PARTS,

SHIM PACK, .75 DOWEL, NUT/HEX, CARBON BRUSH/NCC, AIR DEFLECTOR ASSY, COLL HSG OUTLET SILENCER, CONTROL HARDWERE, BENTLY PROX PROBE, JUNCTION BOX ASSY, SEALTITE LOC, BUSHING/INSULCONDUIT,CONNECTORSTRT,LAGSHI,SCREWLAGSQHD,PROBEEXTCABLE,CONDUITE FLEX,UNISTRUT,CONDUITCLAMP,ENDCAPPLASTIC,90DEGELL,LOCKNUTSEAL,CONDELB,CONNSTRT 1.00NPTLIQ,CABLECVN,THERMOCOUPLEASM,JCTBOXSTAND,COMBRHASSYVLV/CYLASSY,MSV &CVCHEST,

INNER SHELL U/H

T764

INNERSHELLL/HT764

ROTOR SECTION

HP ROTOR

SECTION LPB

DIAPHRAGMLPASTGL-1TE,DIAPHRAGMLPASTGL-0TE,DIAPHRAGMLPASTGL-4TE,DIAPHRAGMLPA STGL-1GE,DIAPHRAGMLPASTGL-4GE,DIAPHRAGMLPASTGL-5TE,DIAPHRAGMLPASTGL-5GE,

DIAPHRAGMLPASTGL-6TE,DIAPHRAGMLPASTGL-6GE,DIAPHRAGMLPASTGL-2TE,DIAPHRAGMLPA STGL-2GE,DIAPHRAGMLPASTGL-3TE,DIAPHRAGMLPASTGL-3GE,DIAPHRAGMLPASTGL-0GE,OIL SIGHTDISCHARGE(RH),NATIVEPLATE-OILDRAIN,SCREWDRIVETYPEU,VALVEGATESW,PRESSGAGE4-1/2”WALLMOUNTED,VALVEANGLESW,ORIFICE,FLANGE-RFSW-XSBORE,BOLTSET,FLANGERFSWSCH 80BORE,FLANGELARGEFEMALESWDASHSCH80,GASKETS,SOCKOLET,THREDOLET,ELBOW,TEE, UNION,REDBUSHINGSWXNPT,PIPEPLUGNPTSQHDSOLID,REDUCERCONCBW,B8A3A, PIPES, MOUNTINGPLATE,STAFRMFOOTASMHDWR,SHIM,JACKPIN,SCREWCAPHEXHD,JACKBOLT,JACKING TRUNNION EXTENSIO, RTD/TC CONNECTIONS, PARALLEL SPLICE CONNECTOR, SLEEVE (HEAT SHRINK), DONEASSYTOSTRATORFRAME,BAFFLE,RESINFLEXEPOXY,HARDNER,COOLERCOMPANIONFLANGES, BWFLANGE,B6B-GTG-1/3A/6-RTDDUEL,THERMOWELL,RTDASM,BEARINGMETALTCS,TCPLASM, TCPL, FITTING-TCPL, ADAP PLUG, SPACER, BUSHING, FITTING WRENCH, NAMEPLATE LOCATION, COLL. HSG.ACCUMULATION,MANUALLYOPERATEDVAL,1.5INCH245S-F91/3-WB-Y,2INCH16W-CB3-PS,1.5 INCH226S-F22/3-WB-Y,4INCH145W-C12A/3-PS,MANUALLYOPERATEDVAL,6R8,COOLER SPECIFICATION,AUXDETSECT,COUPLINGGUARDASSY,UPRANDLERPKGCSGFAB/A,CAP,#2/#3BRG, EXH HD EXTENSION, PIPING LOOSE, HARDWARE, STEAM GUIDE LOWER T/B, PIPE FABS SSE-1, PIPE FABS SSE-3,CPLGGUARDASSY,CAPCOUPLING/CAPBEARING,127E6793G0001,STEAMGUIEDLOWERG/A, STEAMGUIEDLOWERT/A,PKGCSGLWRANDUPR,CPLGGUARDASSY,CAPBRG,COUPLINGHOUSING ASSY/B,STEMGUIDELOWERG/B,PIPE-117E2327,PIPE-127E8494,ENDSHIELDHARDWARE,ALYSTL12PT SCREW, CARBON BRUSH/NCC, FLANGED ELBOW, RIGIT CONDUIT, PKG RING ELLIP, SPRING, SET SCREW, PKGRING/VCPP-N02G02,BARSPRING,PKGRING/VCPP-N02G03,PACKINGASSYS05G01,PACKINGASSY S06G01,PACKINGASSY S07G01,PACKINGASSYS08G01,RING/PKG-BRUSHASSY,SEAL RING,JOINTBOLTS, DIAPHRAGMBOLTS,BOLT-SKTHD,SEAL&FITRING,INR.SEALRING,OTRSEALRING,RINGOUTER RETAINING, OUTER LOCKING RING, ¾-10 SET SCREW, FIXTURES, BOLT HX SKT HD, PKG RING VCPP-N02G01,PACKINGASM,MAINASSEMBLYPARTSHP,CHOCK,EXPJTPIPE-MS1,PIPE-EXTENSIONJOINT BDV,EXPJNTPIPEHARP,PLATE,THRUSTKEY,LCKPLT,EL.OPRSHIM(TOPSON),STUDS,SNOUTPIPE,STUD FY02, NUT-COVERED, PIPE, BLIND FLANGE, CLEVIS, TONGUE, ROD-SUPPORTS, SUPPORT BEAM, BLOWDOWN/WASHCOVERS,BLOWDOWNCOVERASSYS,TAPSTUDS,NUTSLOT/TAPRD,EXPJNTP

IPE FLANGES,THRUSTBEARINGRING,PKGBOXMACH,PACKINGCASING,CPLGSPACERPLATELPBTE, BOLT-SCHD,ASSEMBLYGUIDEBRACKET,LOCKWASHER,MACHININGGUIDEBRACKET,ARRCNDVENTVLV,PIPESLEEVE,ASSYPYLET,CONNECTORSTRAIGHT,FLEXCONDUIT,TERMINAL,TCPL,THERMOCOUPLEWELL, ARRGTCOND#2STD,JUNCTIONBOXASSY,BRACKET/JCTBOX,JUNCTIONBOX,JUNCBOXASM,FLEX CONDUIT,CONDUITVNFITTING,NAMEPLATEVX-2X,NAMEPLATEVX-2Y,NAMEPLATEVX-3X,NAMEPLATE VX-3Y,NAMEPLATEDEDX-1,UNIONCROUSEUNF205,CNDFITTINGJAKE,NIPPLEVN,LKNUT,BLOCK TERM,SCREW,MCHROUNDHD,LKWASHER/SPRING,WIRE,TERMINALAMP31890,THERMINAL16-14, WIREMARKER,SLEEVEHEAT-SHRINKABLE,CONFITPN,CONDUITVN,COMPOUNDRTV-42M06,TCPL ASM,ARRCNDCROSSOVER,STUD-THRU,STUD/TAP/2-8,STUD/TAP3,500-8,TAPSTUD,TAPSTUD/JT,PIN-DOWEL,PIN,PACKINGHEAD,BEARINGSECTIONHP,17X9DTPASSY6PAD,RIGITCONDUIT.50, 12X12DTP ASSY6PAD,OILDEFLECTOR,TUNNEL,20X12SHORTBRG,WRENCH,YOKEMACH,HYDCYL(30 TON), PUMP HAND, GUIDE PEN, HEATER, EL BOLT HTR, BOLT HEATER-ELECTRIC, HYD CYL (75 TON),SPCL WRENCH/TOOLLST,SPANNERWRENCH(2.00NOM,3.00NOM),SPANNERWRENCH(5.50NOM), SPANNER WRENCH (6.00 NOM), SPANNER WRENCH (7.00 NOM), SPANNER WRENCH (5.00 NOM), SPANNER WRENCH (4.50 NOM), SPANNER WRENCH (4.00 NOM), SPANNER WRENCH (2.50 NOM), SPANNER WRENCH (3.50 NOM), WRENCH SOCKET (2.25 NOM), WRENCH SOCKET (2.62 NOM), SOCKET (3.00NOM),WRENCHSOCKET(3.37NOM,1.50NOM,3.75NOM,4.5NOM,4.12NOM,1.68 NOM,1.87 NOM,) SLEDGE WRENCH-BOX (1.50N), SLEDGE WRENCH-BOX (4.50N), SLEDGE WRENCH-BOX (4.12N), SLEDGEWRENCH-BOX(1.68N),SLEDGEWRENCH-BOX(1.31N),SLEDGEWRENCH-BOX(2.06N),SLEDGE WRENCH-BOX(3.12N),SLEDGEWRENCH-BOX(3.87N),SLEDGEWRENCH-BOX(2.75N),CPLHA-18TEE, ASMG-2,TAPHLDASM-1INTAP,WTHLDASM,SCRDRIVERB50A125E.875D,WEIGHTHOLDERASM, JACKBOLT,ELECBOLTHTR,HOSES,WIRE#18AWG,WIRE#14AWG,SPPEDPICKUP,JCTBOXASY-EMERG TRIP,PACKINGCASINGHDWFH12,PACKINGCASINGHDWFH31,HLDDWNBOLTNZBX,FITTINGWRENCH, WRENCHFIT,CENTERINGPIN,SINGLECONDUCTORCABLE,BEARINGMETLTCPLACCUM1,PKGBOX MACH,DOWEL,NUTSLOT/TAPRD,TAPSTUDSPECIAL,SEALINGKEY,SPRING/PA,QUT-SLOT/TAPRD, BEARINGRINGDTPBRG6PAD,19X12SHORTENEDBRG,CLAMPINGRING,GRATING,RUBBERSHIELD, VALVE SHIP LOOSE, GASKET-SPIRAL, GASKET FLEX, KIT, WRENCH & TOOLS, THREAD COMPOUND FEL-P, CPLGSTUDLUB,PLAINEYEBOLT,STUDEXTENOMETER,MISCTHERMOCOUPLEHOLDERS,PIPEB50A508B,

LKWASHINT/EXTTTH,TCPLASSYSTEAMSEAL,TCPLASSYHPPKGLEAKOFF,COUPLINGPTSGELPB, ALIGNMENT PIN, CPLG STUD, COLLAR, VSL (SIGHT ASSY), PACKING CASINGS HP, ARRGT CONDUIT-EXH HOOD,TCPLASM,TCWELLCNDFITTINGJAKE,BLOCKTERM,TY-RAP,TURBINEASSYPARTSLPB,PIPEPLUG SQUARE¾CARB,EXPJTPIPE-MS1,ELEVATIONKEY,COMPRESSIONSTRIP,SECONDARYINSULATOR,

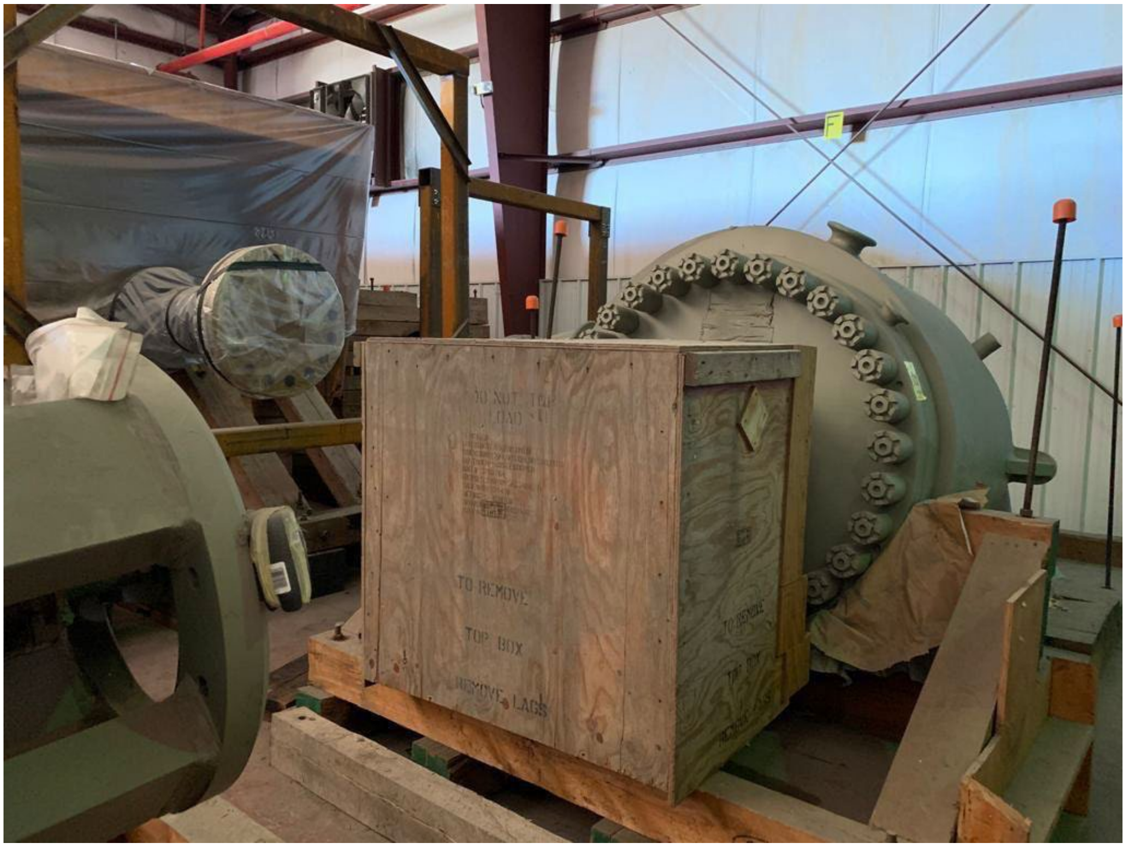
G4A2 SEAL OIL CONTROL UNIT, O&M MANUAL, G4LO-FLOATTRAP ASSEMBLY CRATE, FLOAT TRAP ASSEMBLY, TG HOUSING ASSEMBLY, ACCUMULATOR MOUNTED ON RACK, PIPING COLLECTOR, TRANSITION PIECE, ASSEMBLY GUIDE, LIFT OFF SCREW M30 L.100, HYDRAULIC ERECTION SET, ACCUMULATORTOOLKIT,TOOLKITSKF729101B,INSTALLATIONOILSKFLHMF300,DISMANTINGOILSKF LHDF900,LEFTTHREADEDSLEEVETURBINESIDE,EXTENTIONTUBESKF2279645,HYDRAULICNUTTYPE HMV31(M155X3),RING,ROTORANDUPPERLIFTINGASSEMBLY,HYDRAULICPUMP,LIFTINGRODFOR ROTOR, LIFTING ROD FOR ROTOR, WASHER, NUT ISO 4032 M36-8, SCREW M30-50, BACKING PLATE, THRUST MOUNTING, SUPPORTING BAR, SCREW M18-110, THREDED ROD M 16 L=360, STEAM PUNCH TOOL,INTERIORFLANGE,GASKETJOINTD=274/214EP=1,GASKETJOINTD=250/215EP=1,VALVE,STEM, NUT H H M30, LEVER, ASPIRCARBUR FLEXIBLE DN50 LONG 3000, CANVAS NUMBER 18, CANVAS NUMBER 102,FLANGES2”,3”,6”,8”,FLASHINGEQUIPMENT,LIFTOFFSCREW,PCV2”,CHECKVALVE3”,GATEVALVE 3”,GLOBEVALVE2”,PIPINGSPOOL,STEAMCONTROLVALVES,JACKBOLT,LIFTYOKE,ROTOR SLING ASSEMBLY, ACTATOR ASSY#1,2,3,4

CRATEDG4L0H2SEALSYSTEM,GAS CONTROL VALVEASSY,LIQUIDLEVELDETECTIRASSY,O&MMANUAL, ¼”NPTCSBALLVALVE,½”SWXNPTCSBALLVALVES,½,1,¾“CSSWBALLVALVES,2”BALLVALVES, COOPER BRAID (PP-EL.46F4246WA), RING TERMINALS (PP-EL.44F029). DIAPHRAGM LPB STG L-0 TE DIAPHRAGM LPB STG L-1 TE, DIAPHRAGM LPB STG L-2 TE, DIAPHRAGM LPB STG L-2 TE, DIAPHRAGM LPB STG L-3 TE, DIAPHRAGM LPB STG L-4 TE, DIAPHRAGM LPB STG L-5 TE, DIAPHRAGM LPB STG L-6 TE, DIAPHRAGMLPBSTGL-0GE,DIAPHRAGMLPBSTGL-1GE,DIAPHRAGMLPBSTGL-2GE,DIAPHRAGMLPB STGL-3GE,DIAPHRAGMLPBSTGL-4GE,DIAPHRAGMLPBSTGL-5GE,DIAPHRAGMLPBSTGL-6GE, PIPING, FLANGE, BOLT WASHER, FRONT STANDART SECTION, TURNING GEAR SPECS, DIAPHRAGHM STG 1RHTU&L,DIAPHRAGHMSTG2RHTU&L,DIAPHRAGHMSTG3RHTU&L,DIAPHRAGHMSTG4RHTU&L, DIAPHRAGHM STG 5 RHT U&L, DIAPHRAGHM STG 6 RHT U&L, DIAPHRAGHM STG 7 RHT U&L, DIAPHRAGHMSTG8RHTU&L,DIAPHRAGHMSTG1HPU&L,DIAPHRAGHMSTG2HPU&L,DIAPHRAGHM STG3HPU&L,DIAPHRAGHMSTG4HPU&L,DIAPHRAGHMSTG5HPU&L,DIAPHRAGHMSTG6HPU&L, DIAPHRAGHMSTG7HPU&L,DIAPHRAGHMSTG8HPU&L,DIAPHRAGHMNOZZLEBOX,SV/CV&CVR WELDCOUPON,CVRWELDCOUPONS,ACTSPEC-RSV,ACTSPEC-IV

DIAPHRAGHM LPA STG L-0 GE, FOUNDATION PLATE, GIB KEY PLATE, COLL HOUSE FDN PLATE, KEY FDN PLATE, SHIM FDN PLATE, BOLTING HARDWARE, CONDENSER SEALS & GASKETS, H2 DETRAINING TANK, FITTINGS, BYPASS KIT, FLASHING MANIFOLD, HOSESFLUSHING FITER, MSD PIPING, LIFTING CABLE-GEN FIELD,AIROPERATEDVALVES,1.5"REHEATCOOLINGVALVES.8"HEATINGSTEAMBLOKINGVALVE, AIR OPERATEDVALVES,4"STEAMSEALFEEDVALVE.2"STEAMSEALFEEDVALVE,8"STEAMSEAL DUMP VALVE, 2" WATER SPRAY VALVE, 10" STEAM SEAL CONDENSER DUMP VALVE, 10" STEAM SEAL EXTRACTION DUMP VALVE, STRATOR LIFTING CABLE, FIELD ASM-MAIN BODY FANS, 4" CRV EQUALIZERVALVE,6"BLOWDOWNVALVEASSY,MS11,MS12,CHACKLE1½"17TON,TURBUCKLE2X24 JAWANDJAW,SHACKLE1¾"25TON,2"35TON,2½"55TON,SLING1¾X13F4IN,WIREROPESLING1½X6FT,1½X6FT8IN,1½X14FT2IN,11-14X8FT9IN,1¼X10FT,11/8X14FT2IN,TBBASEPLATE,T/G BASE PLATE, TG PLATE, BOXED HARDWARE, FOUNDATION PLATES, PIPING SUB ASSY, PPG SUB ASSY(YCD2), PPG SUB ASSY(YCF), PPG FAB (YCF), FLANGE-SOFF, BUTT WELD-LAP JOINT, GASKET RING 1/32"THK,BUTWELDWLBOWLR,BOLT/NUTSET.50-13X2.00,VARIOUSBOLTS,ELBOWS,FLANGES, REDUCERS,PIPEPLUGS,SOCKOLETS,UNIONS,TEES,COUPLINGS,VALVEGLOBESWOIL/STM/WATER/¾"- 600#, PRESS GAUGE 4 ½ " WALL MOUNTED, VALVE-GATE SW GARLOCK #5779, ORIFICE FLANGES, THERMOMETR ASHCROFT 30R-0D/250DF DUAL 060, PLT ASSY CT ACCESS, BACKING RING, VARIOUS GASKETS,GROUNGSHILD,WIRES,CONNECTORS,SPACERSWASHERS,RODS,NUTS,CLOTH SPACERS, EPOXY ADHESIVE KIT, E5-FILTER, SUPPERT PLATES, SCRES, RONDELLA H M12 U, PIN DIA 8H7, BIMETAL THERMOMETERITEMS,OILRETAINER,OILRETREARBEARING,COLLECTINGPIPEOILRETURN,THREADED RODM16,NUTHM16,PIPERETURNOILSERVOMOTOR,VARIOURTHREADEDRODS,SPECIALTYNUTS, PIPE RETURN OIL SERVOMOTOR, PIPE ON ARRIVAL OIL SERVOMOTOR HP, PIPING ON ARRIVAL OIL BEARING, PIPING ON ARRIVAL OIL BEARING EXIT, COMPENSATOR 6", PIPE ON OIL ACTUATOR SIDE, PIPE OIL RETURN, GUARD, PIPE OIL COUPLING GUARD VENT, PIPE STEAM LEAK SYSTEM, SUPPORT FOR COLLECTINGPIPEOILRETURN,SUPPORTFORODPIPERETURN,VARIOUSPLATESFORFLANGES,TAG ITEMS,H.S.COUPLING,SPACERBOLTSCOUPLINGSSHIMS,SERVO-MOTORUNIT250+LINKAGE.

*MOST RELEVANT PICTURES:*


BR6500
800


DO NOT TOP LOAD
TO REMOVE
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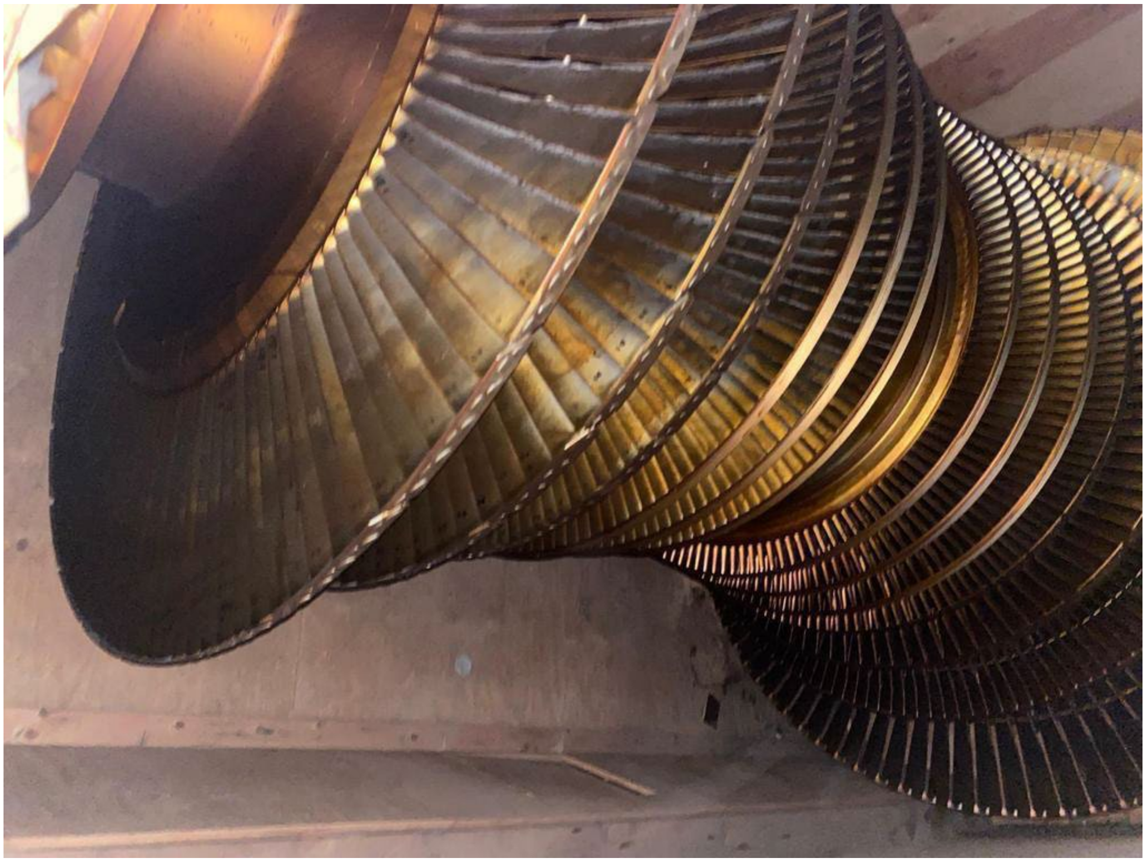

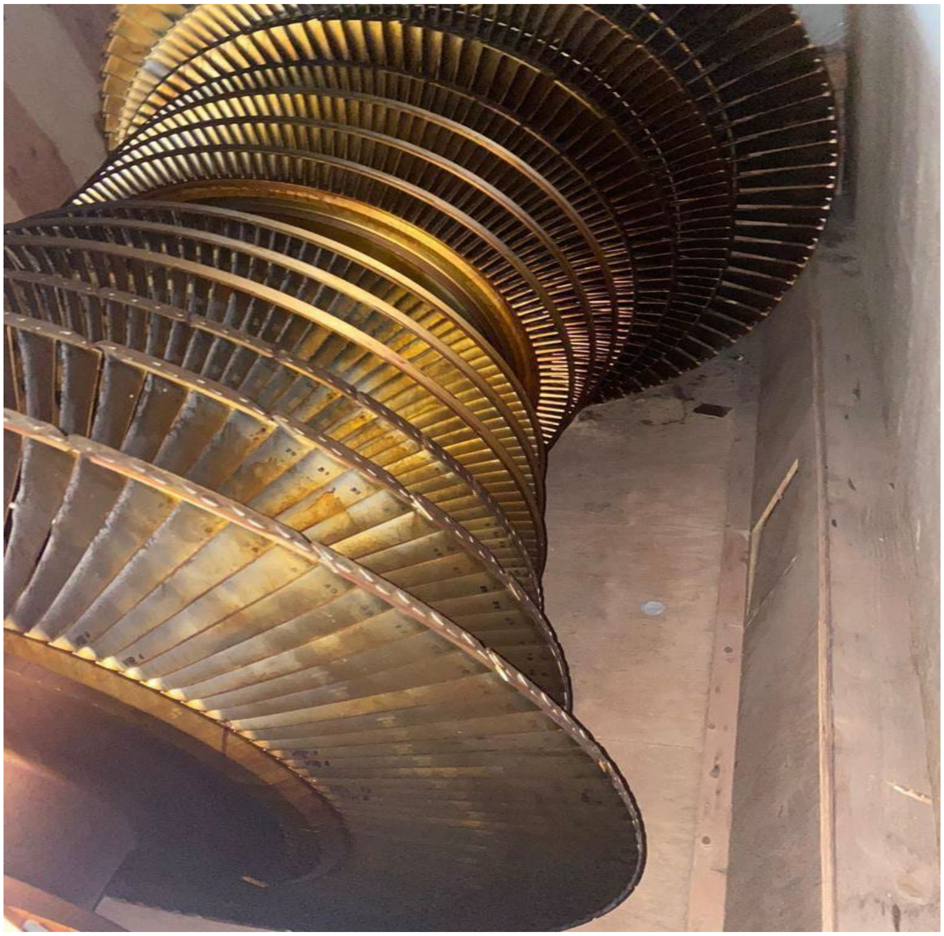


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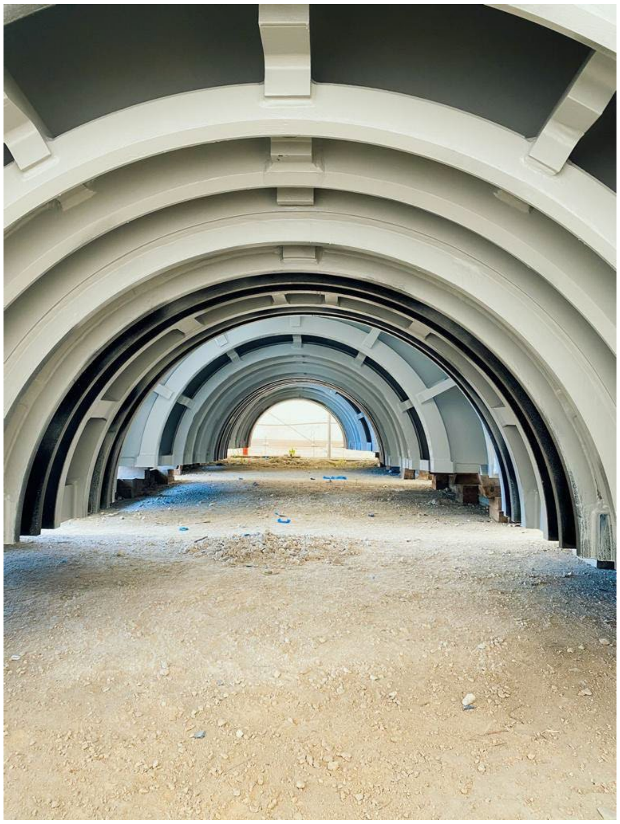
WT 62553




REFER TO GEK 110367

# 3-GENERATOR PACKING LIST

**3.1-** (1)General Electric GENERATOR STATOR HOUSING for 615 MW electric Super Critical steam turbine systems. Stator is cooled down by hydrogen and water, 2 poles, 3 phase WYE Conn.60 Hz, gas pressure 98% H2 60 psig, kva:750,000,Armature Amps: 20,620, Armature Volts: 21,000, Field amps: 3,998, Excitation Volts: 605, Power Factor: 0.9. **See picture #1 and 2.**

**3.2-** (1) General Electric GENERATOR ROTOR, 131,693 lb, 501" long x 50" diameter. **See Picture #3 and 4.**

**3.3-** (2) DOMES19,500.00 lb each for electricity related purposes , 142" x127" x73". **See Picture #5**

**Picture #1** (1 unit)

**Picture #2** ( 1 unit)

**Picture #3** ( 1 unit)

**Picture #4** ( 1 unit)

**Picture #5** ( 2 units)

# 4- CONDENSER PUMPS, VALVES AND ACTUATORS PACKING LIST AND OTHERS SUCH US PIPES

**4.1-** (288) CATALYSTS, 2976 LB.EACH, 74''x39''x69'' EACH, W/ LOADING CARTS AND EYES. It may not to be available at the time of the closing.

**4.2-** PUMP CASE & TRANSIT ASSY., PRESSURE COVER, GASKET, BACKING PLATE, FLEX HOSE, COVERS, 1 1/2'' SCH. 40S 252''L, OIL GUN RETRACT (12X), ASSORTED STEEL PIPE, GRID 14.

4.3- (12X) FLOWSERVE LIMITORQUE MX ELECTRONIC ACUATOR, (85 +/-) VALVE TECHNOLOGIES 1''+2'' HIGH PRESSURE VALVES.

**4.4-** CAMFIL FARR DYNAVANE AIR CLEANER , MODEL 359403 , EXPANSION JOINTS , VELAN 3'' VALVES , VELAN 2'' GATE VALVES , WATSON McDaniel FT600 2'' TRAP , 65 PSI (8X) , MULLER 4'' STEM VALVE , JAMES BURY MANUAL , GEAR ACTUATORS (6X) GRID H1.

**4.5-** VELAN 4'' GATE VALVES, VELAN 8'' GLOBE VALVE (2X), VELAN 3'' GATE VALVES (8X), JAMESBURY 2'' MANUAL GEAR ACRUATORS (6X) , TYPE 99 PRESSURE REDUCING REGULATOR , 1'' BALL VALVE STD. PORTS , 1 1/2'' GLOBE VALVES , 2'' BALL VALVE STD . PORT, HEADER DRAINS, GRID H1.

**4.6-** LANCE EXTENSIONS, SLEEVE ASSEMBLIES, FLANGES, REDUCERS, HEX NUTS, COLLAR SHAFT, GRID G3.

**4.7-** (4) CRATERS W/ GATE VALVES, (2) 2'', (1) 6'' AND (1) UNKNOWN SIZE.

**4.8-** FLOWSERVE 12'' CL2500 , WC6 , BW , SD VALVE LIMITORQUE MX/B320-20 ACTUATOR ECON BACKPRESSURE CONTROL , TAG#1-FW-PVC-2750-1 , (2) FLOWSERVE BOOSTER PUMPS , GRID I1.

**4.9-** (2) CRATES W/ VALVE ASSEMBLIES, 2 1/2'' VALVES.

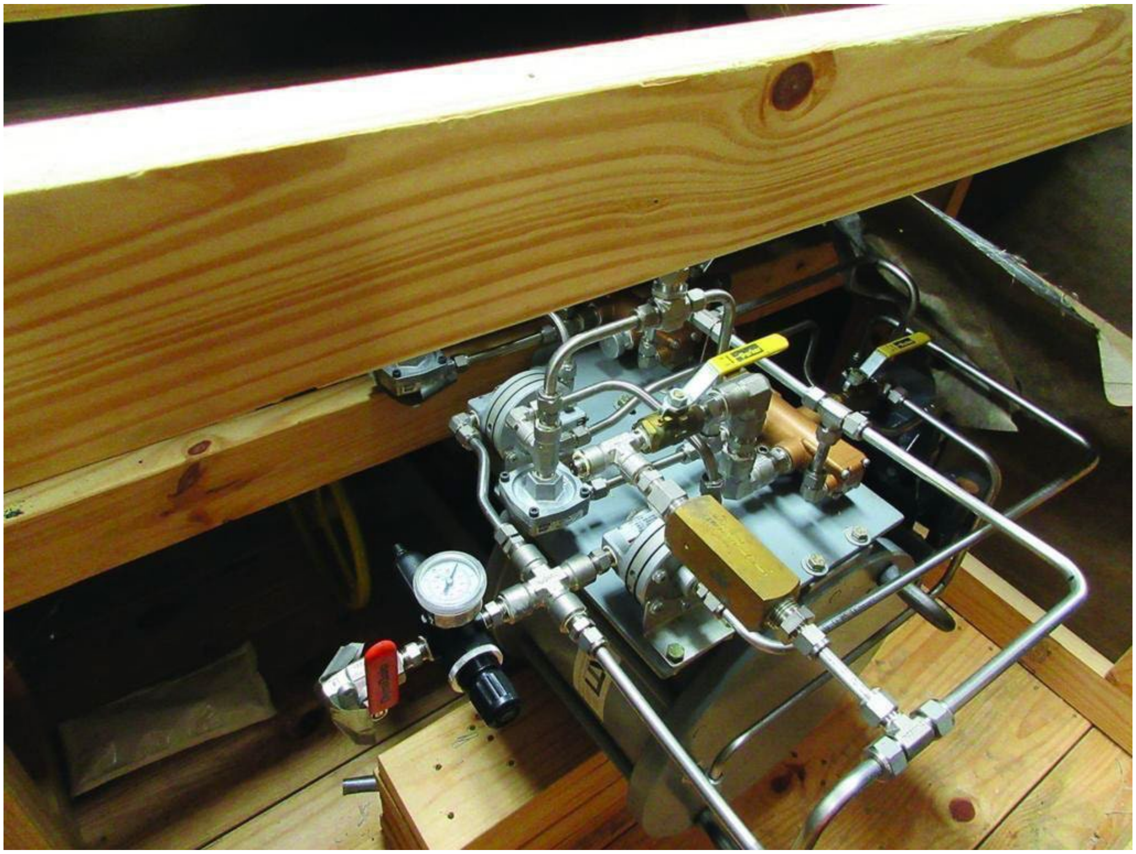
**4.10-** (3) CRATES W/ VLAVE ASSEMBLIES, 4'' CL2500 SPL, WC9, (1) 2'' VALVE, (1) 4'' VALVE.

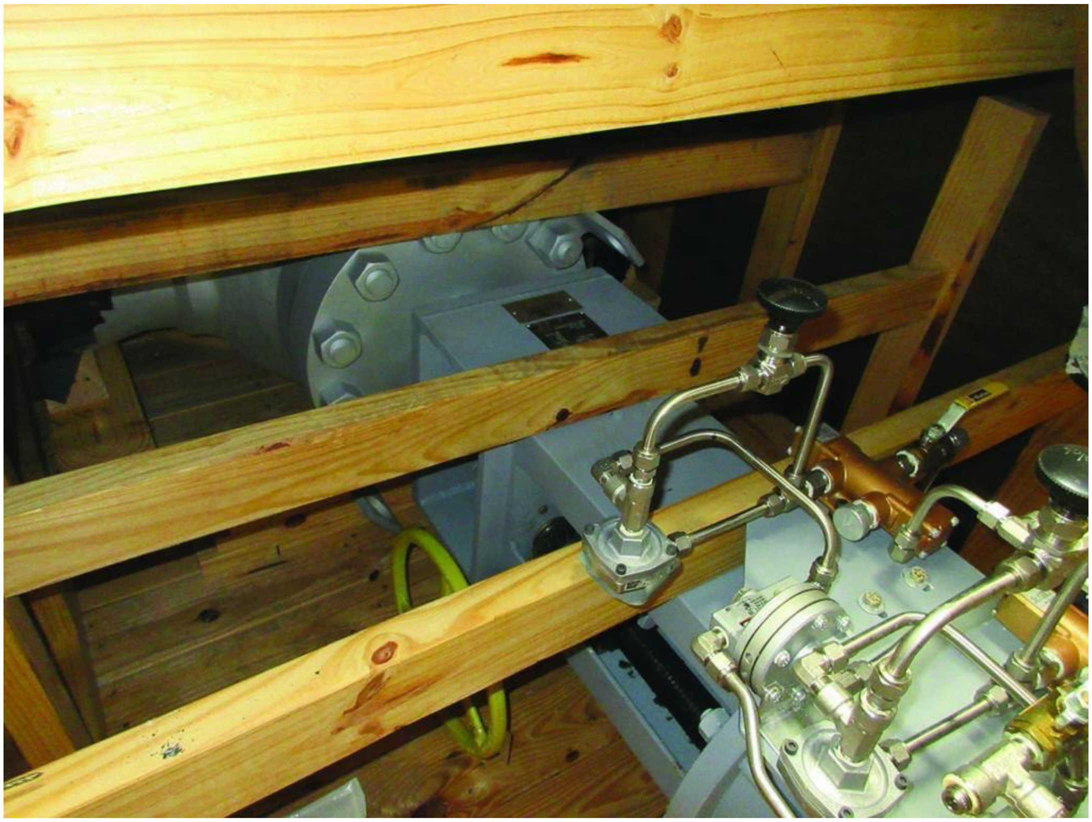
**4.11-** (2) CRATES W/ VALVE ASSEMBLIES, (2) 2'' VALVES.

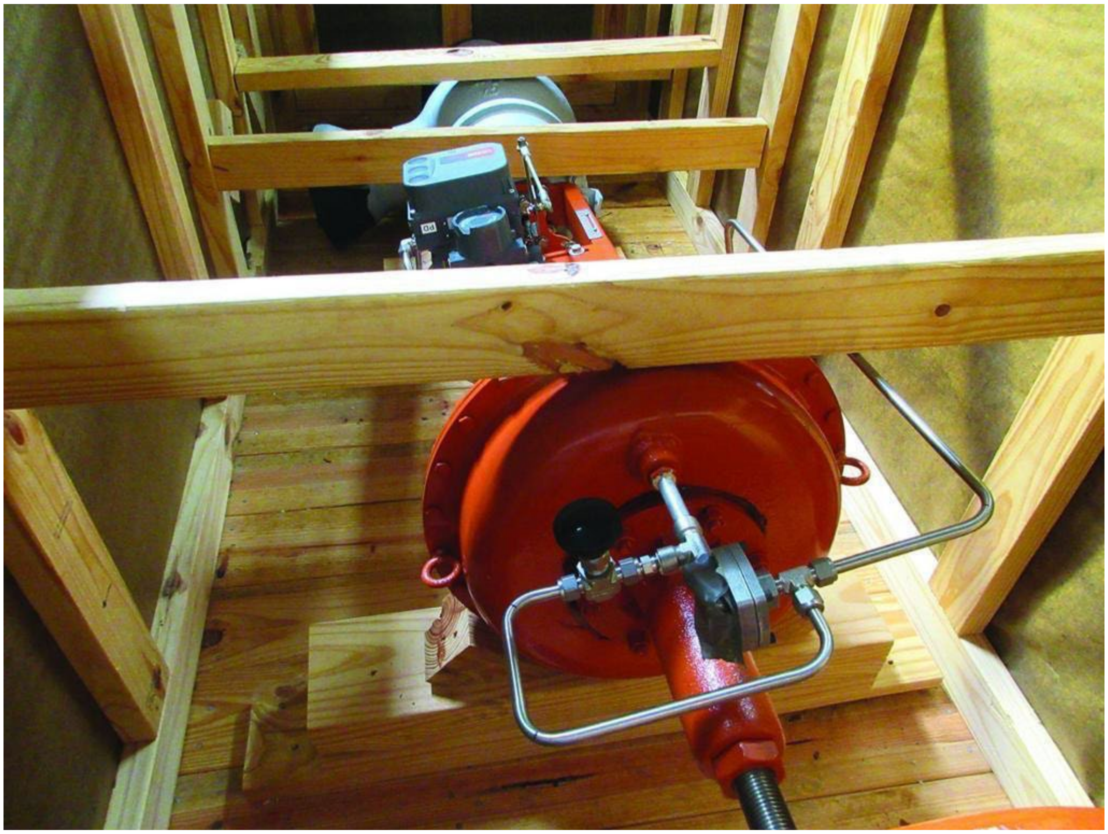
**4.12-** (4) CRATES W/ VALVE ASSEMBLIES, (2) 8'', (2) 6'' VALVES.

**4.13-** ASSORTED HIGH PRESSURE PIPE UP TO 6000 LB.

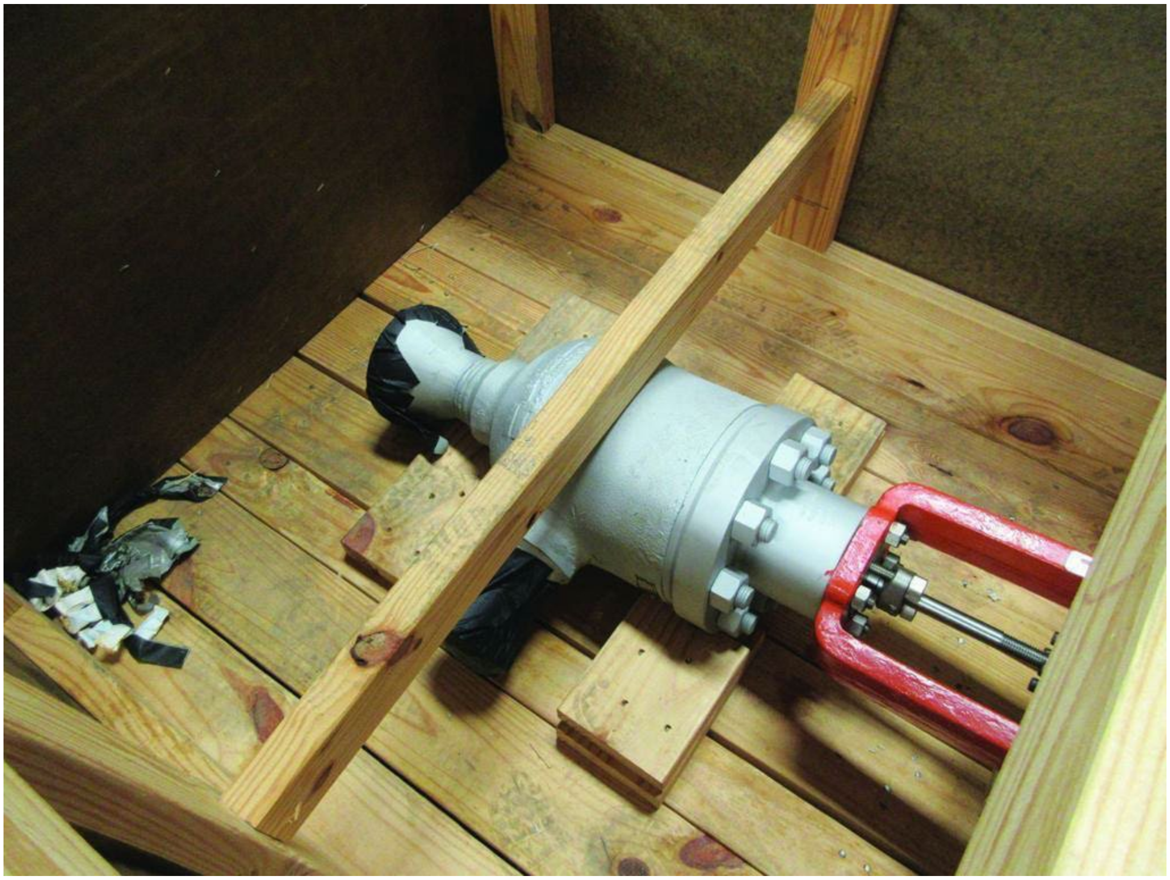

FRAGILE
HANDLE WITH CARE
V400497
AIR TANK
1-FW-LCV-1040-1





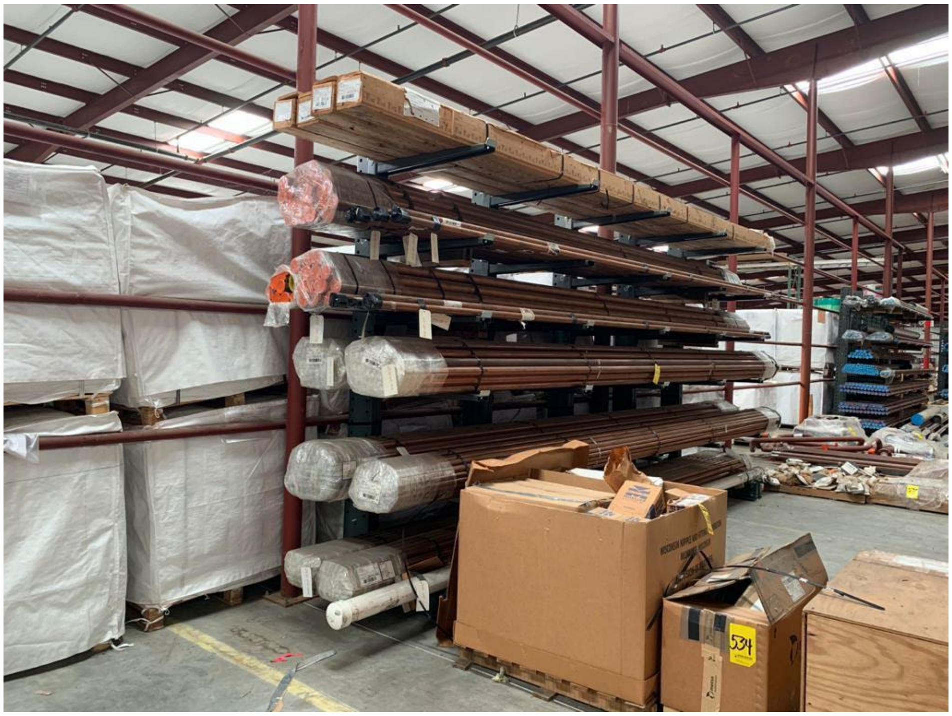



1-FW-LCV-1008-1
LCV




1-FW-LCV-1008-1
LCV


592
592
LOT 592
592
MYRON BOWLING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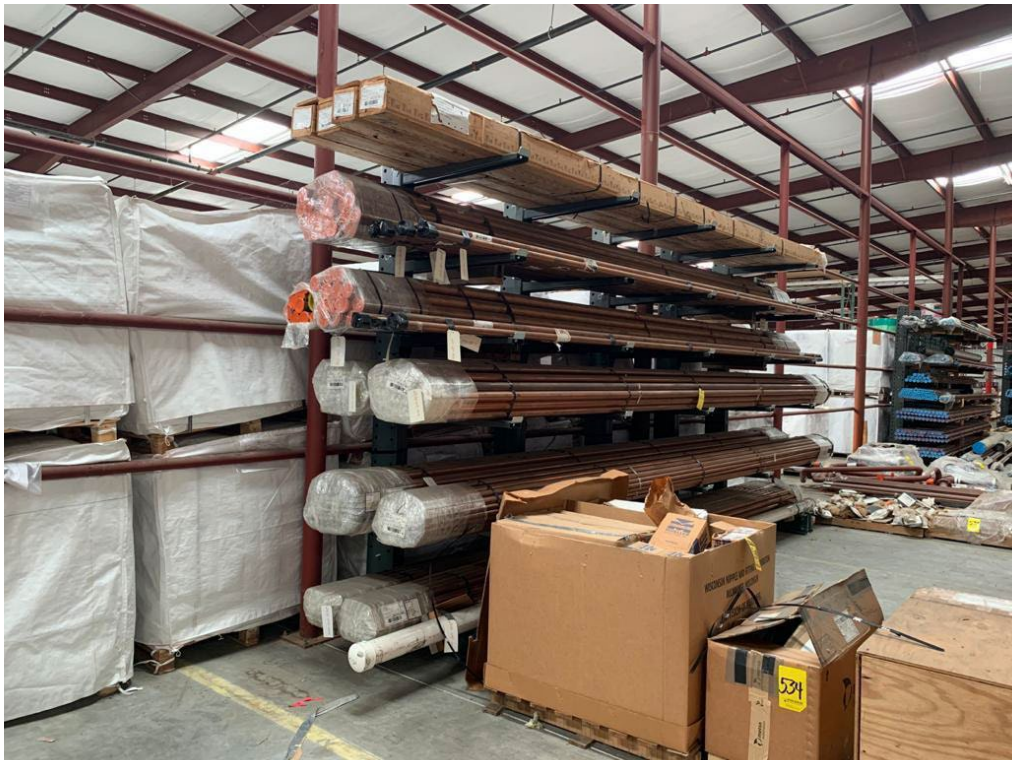
2" XS A106B
2" XS A106B
2" XS A106B


E3


2" XS A106B
0535
5"


534

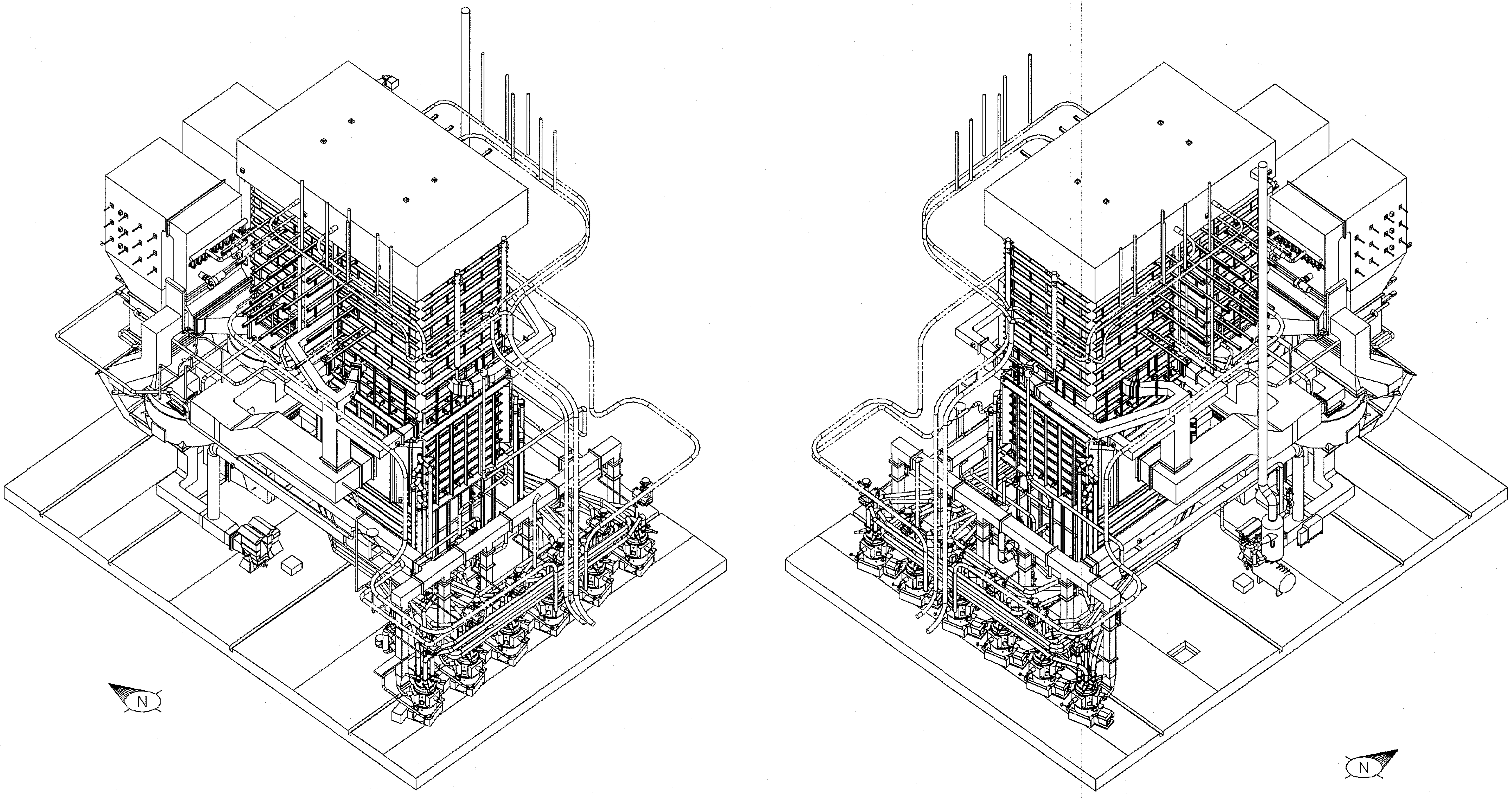

2" XS A106B
2" XS A106B
2" XS A106B


E3

00506-1E0000 REVISIONS

REVISION: 02 DESCRIPTION

1. UPDATED PER LASTEST DESIGN INFORMATION.
2. REVISED PIPING AND VALVES ON STARTUP SYS. FLASH TANK - (D-2).
   ADDED HYDRAULIC AND ELECTRONIC CONTROLS CABINET - (D-2).



# ISO VIEWS

WORLEYPARSONS RESOURCES & ENERGY
PEDE UNIT 1 PROJECT

✓ REVIEWED AND ACCEPTED
___ REVIEWED AND ACCEPTED AS NOTED (RESUBMIT FOR RECORD)
___ NOT ACCEPTED (RESUBMIT FOR REVIEW)
___ FOR INFORMATION ONLY (REVIEW WAIVED)

THE REVIEW OF THIS SUBMITTAL IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPTS OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT. THE SUBMITTAL VENDOR IS FULLY RESPONSIBLE FOR; FULL COMPLIANCE WITH THE PROJECT REQUIREMENTS; FOR DIMENSIONS TO BE CONFORMED AND/OR RELATED AT/TO THE JOBSITE; FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS; FOR DESIGNS ORIGINATED BY HIM/HER; FOR TECHNIQUES OF CONSTRUCTION AND; FOR COORDINATION OF THE WORK OF ALL TRADES. SUBMITTAL REVIEW DOES NOT CONSTITUTE A CHANGE ORDER AND DOES NOT ALTER ANY CONTRACT TERMS AND CONDITIONS.

DATE 5/4/09 BY

NOTE:

1. FOR GENERAL NOTES, REFERENCE DRAWINGS, LEGEND, ETC. SEE DWG. No. 00506-1E0001.

| REV | DESCRIPTION | DATE | DRAWN BY | CHECKED BY | APPR'D BY |
|---|---|---|---|---|---|
| | | | | | |
| 02 | REVISED AS SHOWN & NOTED | 16.APR.09 | R.G.M. | R.A.V. | R.B. |
| 01 | ISSUED FOR APPROVAL | 20DEC06 | J.K.D. | S.I.M. | R.B. |
| 00 | ISSUED FOR COORDINATION | 29SEP06 | J.K.D. | S.I.M. | R.B. |

CONTRACT NO. 00506 / WORLEYPARSONS CONT. NO. 161101 UNIT NO. 1

GEN. ARRG'T. – ISO VIEWS

SANTEE COOPER
PEE DEE UNIT #1

THIS DRAWING IS THE PROPERTY OF
ALSTOM Power Inc.
WINDSOR, CONNECTICUT 06095

SCALE : NONE
DRAWN BY : J.K.D. DATE : 2006-06-28
CHECKED BY : S.I.M. DATE : 29 SEP 06
APPROVED BY : R.B. DATE : 29 SEP 06

WBS CODE : 68 88 8103

ALSTOM

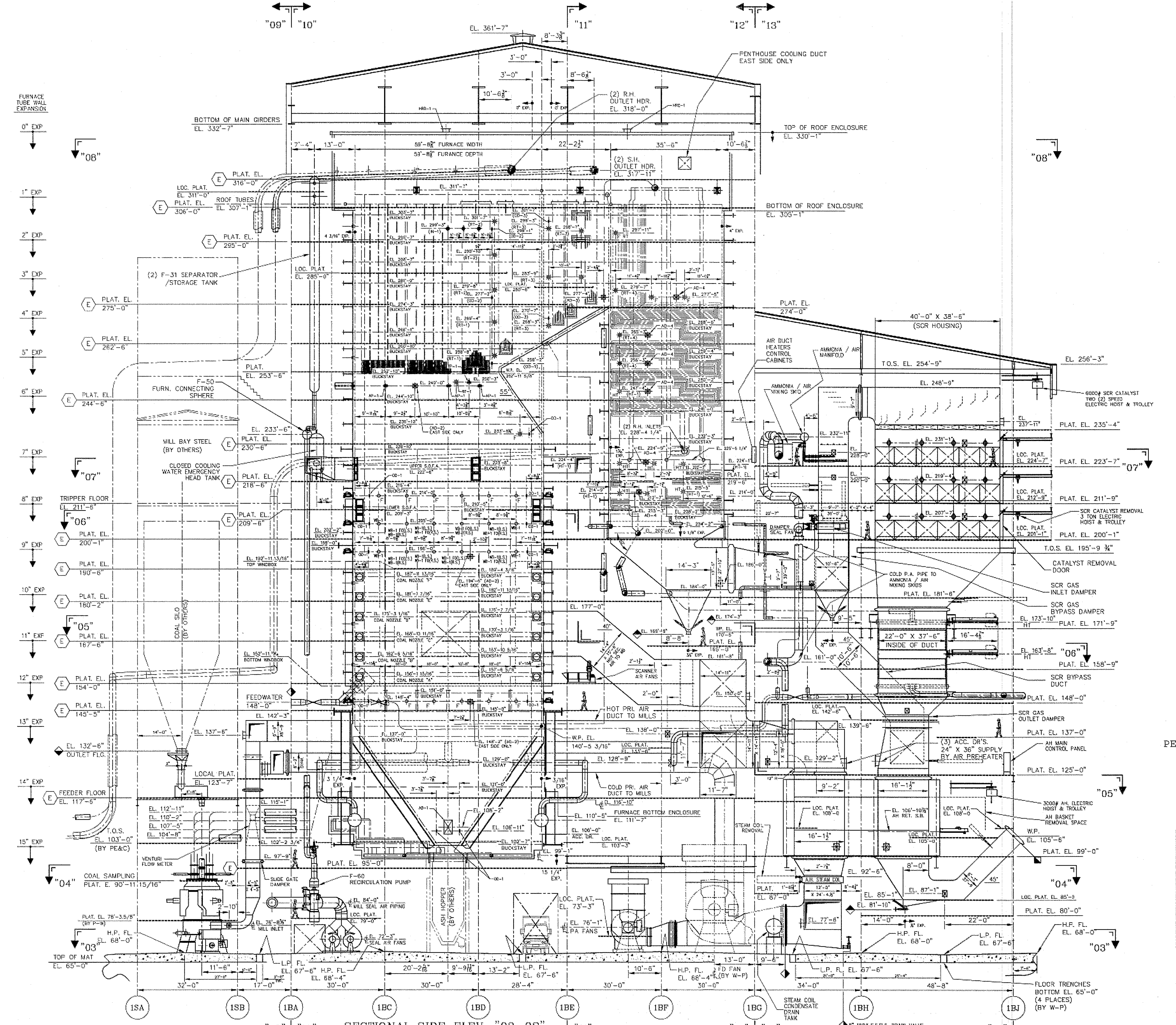
DRAWING NO. 00506-1E0000 REV. 02 E

CAD FILE NAME : 00506-1E0000
DIRECTORY : 00506

| 00506-1E0002 | REVISIONS |
|---|---|

| REVISION: | 06 | DESCRIPTION |
|---|---|---|

1. REROUTED STARTUP SYS. LINE F-61B1 - BOILER RECIRCULATION TO ECONOMIZER - (B,C-7).
2. ADDED P.A. & F.D. AIR DUCT DRAIN VALVES - (4A).
3. ADDED AMMONIA DILUTION AIR HEATERS CONTROL CABINETS - (D-5).



SECTIONAL SIDE ELEV. "02-02"
LOOKING WEST

WORLEYPARSONS RESOURCES & ENERGY
PEDE UNIT 1 PROJECT

✓ REVIEWED AND ACCEPTED
___ REVIEWED AND ACCEPTED AS NOTED (RESUBMIT FOR RECORD)
___ NOT ACCEPTED (RESUBMIT FOR REVIEW)
___ FOR INFORMATION ONLY (REVIEW WAIVED)
___

THE REVIEW OF THIS SUBMITTAL IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPTS OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT. THE SUBMITTAL VENDOR IS FULLY RESPONSIBLE FOR: FULL COMPLIANCE WITH THE PROJECT REQUIREMENTS; FOR DIMENSIONS TO BE CONFORMED AND/OR RELATED AT/TO THE JOBSITE; FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS; FOR DESIGNS ORIGINATED BY HIM/HER; FOR TECHNIQUES OF CONSTRUCTION AND; FOR COORDINATION OF THE WORK OF ALL TRADES. SUBMITTAL REVIEW DOES NOT CONSTITUTE A CHANGE ORDER AND DOES NOT ALTER ANY CONTRACT TERMS AND CONDITIONS.

DATE 5/4/09 BY

PEDE-1-DV-161101-00506-1E0002-R6.PDF

NOTE:

1. FOR GENERAL NOTES, REFERENCE DRAWINGS, LEGEND, ETC. SEE DWG. No. 00506-1E0001.

| REV | DESCRIPTION | DATE | DRAWN BY | CHECKED BY | APPR'D BY |
|---|---|---|---|---|---|
| 06 | REVISED AS SHOWN & NOTED | 16.APR.09 | R.G.M. | R.A.V. | R.B. |
| 05 | REVISED AS SHOWN & NOTED | 22.JAN.09 | Z.E.W.<br>R.G.M. | S.A.<br>R.A.V. | R.B. |
| 04 | REVISED AS SHOWN & NOTED | 07FEB08 | Z.E.W. | S.A. | R.B. |
| 03 | REVISED AS SHOWN & NOTED | 03OCT07 | Z.E.W. | REP. | R.B. |
| 02 | REISSUED FOR APPROVAL | 08JUN07 | Z.E.W. | RAV. | R.B. |
| 01 | ISSUED FOR APPROVAL | 20DEC06 | J.K.D. | S.I.M. | R.B. |
| 00 | ISSUED FOR COORDINATION | 29SEP06 | J.K.D. | S.I.M. | R.B. |

CONTRACT NO. 00506 / WORLEYPARSONS CONT. NO. 161101 UNIT NO. 1

GEN. ARRG'T. - SECT. SIDE ELEV. "02-02"

SANTEE COOPER
PEE DEE UNIT #1

THIS DRAWING IS THE PROPERTY OF
ALSTOM Power Inc.
WINDSOR, CONNECTICUT 06095

SCALE : 3/32" = 1'-0"
DRAWN BY : J.K.D. DATE : 2006-08-28
CHECKED BY : S.I.M. DATE : 29 SEP 06
APPROVED BY : R.B. DATE : 29 SEP 06

WBS CODE : 68 88 8103

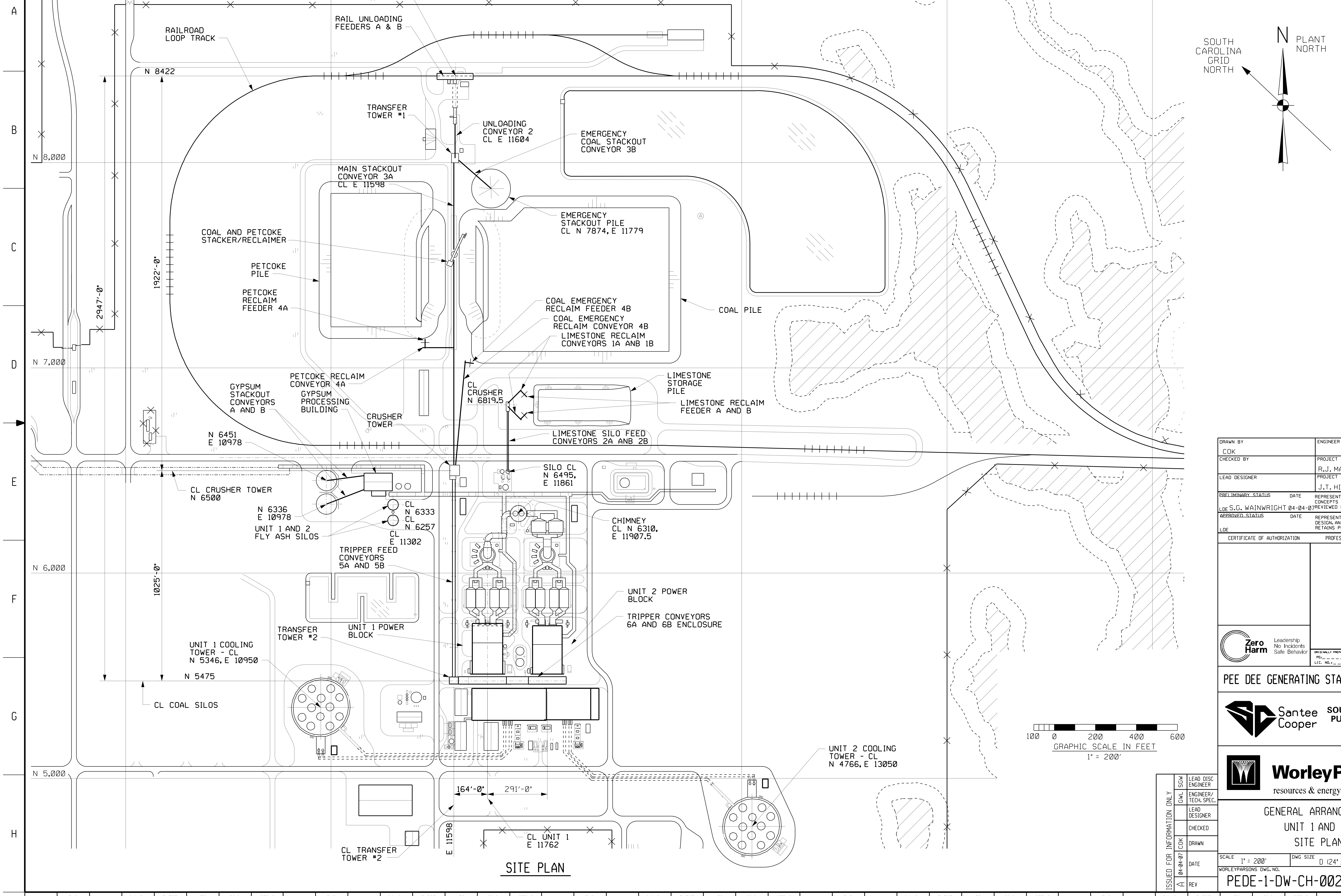
ALSTOM

DRAWING NO. 00506-1E0002
REV. 06
E

CAD FILE NAME : 00506-1E0002
DIRECTORY : 00506

NOTES:

1. ALL COORDINATES SHOWN ON THIS DRAWING ARE PRELIMINARY AND ARE SUBJECT TO A PLUS OR MINUS ADJUSTMENT OF 30 FEET.



| DRAWN BY<br>COK | ENGINEER |
|---|---|
| CHECKED BY | PROJECT ENGINEERING MANAGER<br>R.J. MARTIN |
| LEAD DESIGNER | PROJECT MANAGER<br>J.T. HICKSON |
| PRELIMINARY STATUS DATE<br>LDE S.G. WAINWRIGHT 04-04-07 | REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED. |
| APPROVED STATUS DATE<br>LDE | REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS. |
| CERTIFICATE OF AUTHORIZATION | PROFESSIONAL ENGINEER'S SEAL |

Zero Harm Leadership No Incidents Safe Behavior

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF
PE:__________ STATE:_______
LIC. NO.:_________ DATE:_______

PEE DEE GENERATING STATION / UNIT 1

Santee Cooper **SOUTH CAROLINA PUBLIC SERVICE AUTHORITY**

**WorleyParsons** resources & energy

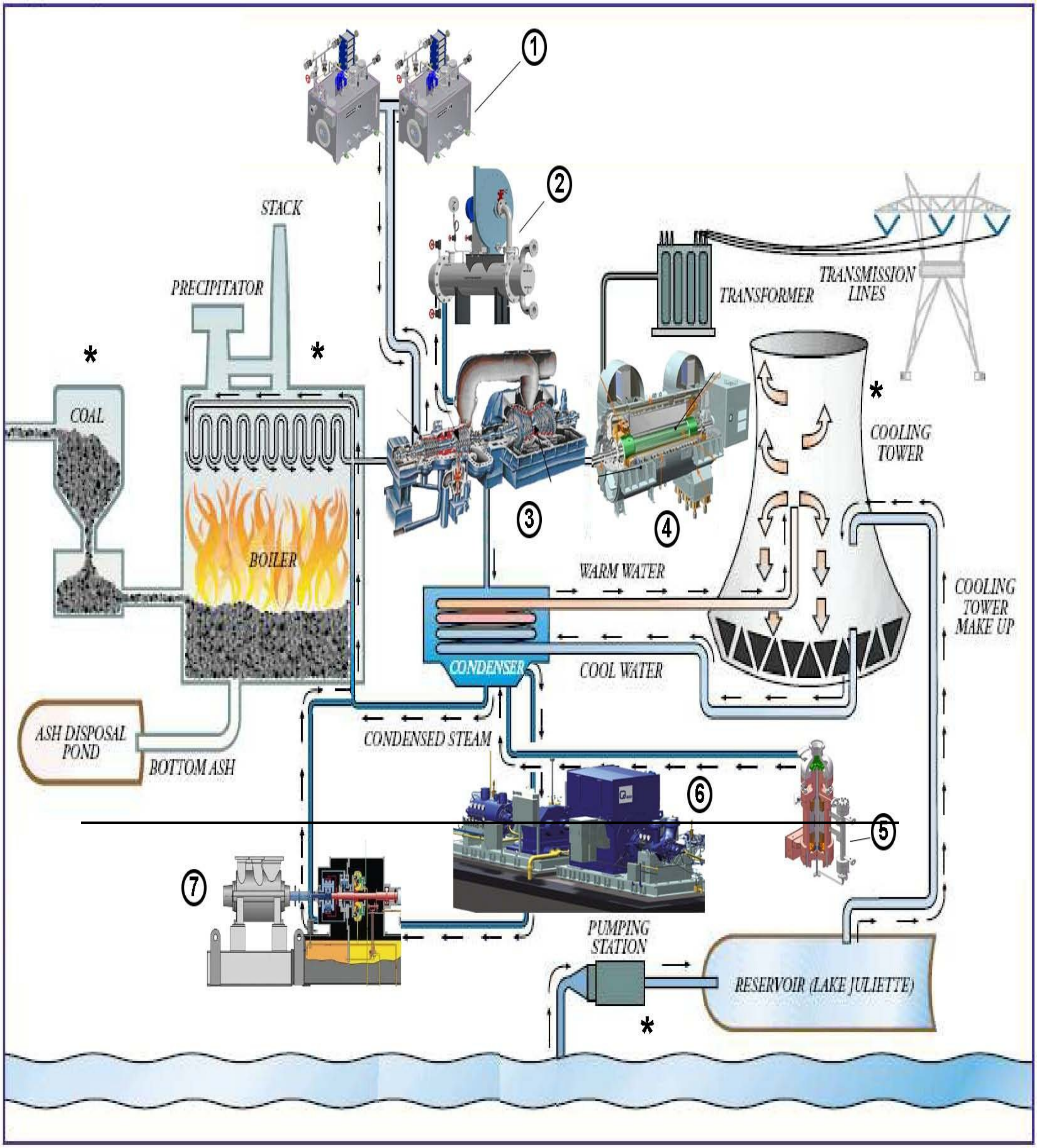
GENERAL ARRANGEMENT
UNIT 1 AND 2
SITE PLAN

| ISSUED FOR INFORMATION ONLY | | |
|---|---|---|
| | SGW | LEAD DISC ENGINEER |
| | GWL | ENGINEER/ TECH. SPEC. |
| | | LEAD DESIGNER |
| | | CHECKED |
| | COK | DRAWN |
| | 04-04-07 | DATE |
| | A | REV |

| SCALE 1" = 200' | DWG SIZE D (24" x 36") | JOB NO. 537909 |
|---|---|---|
| WORLEYPARSONS DWG. NO. PEDE-1-DW-CH-002-5001 | | REV A |

| FAC | PIPING | I & C | ELECT | MECH | CIVIL | STRUC | FAC | PIPING | I & C | ELECT | MECH | CIVIL | STRUC | FAC | PIPING | I & C | ELECT | MECH | CIVIL | STRUC | FAC | PIPING | I & C | ELECT | MECH | CIVIL | STRUC | FAC | PIPING | I & C | ELECT | MECH | CIVIL | STRUC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

DWG-FILE: pede-1-dw-ch-010-5001.dgn
DWG-DATE: 19-Oct-06 07:01



Note: This Diagram is for Reference Only in order to show the buyers with not much expertise on this business where the equipment the Buyer is buying as part of this contract is situated with respect to the whole approximate power plant equipment layout.

: .

**FORREFERENCEONLY**

**Notes:**

SALE #2851
SALE OF POWER GENERATION ASSETS
PEE DEE FUEL SPECIFICATION
SCHEDULE 5

santee cooper

## SANTEE COOPER - PEE DEE UNIT 1 FUEL SPECIFICATION

| | | COAL | | PET COKE |
|---|---|---|---|---|
| | | Design Range | Performance | Design Range |
| **Proximate Analysis (% As Received)** | Moisture | 4-10 | 6.8 | 3.65-8.90 |
| | Volatile Matter | 22-38 | 33 | 8.00-15.00 |
| | Fixed Carbon | 45-65 | 52 | 80 - 85 |
| | Ash | 4.5-17 | 8.5 | 0.30 - 1.37 |
| **Higher Heating Value (Btu/Lb)** | | 11,000 - 14,600 | 12,500 | 13,600 - 14,900 |
| **Grindability (HGI)** | | 36-54 | 43 | 35 - 60 |
| **Ultimate Analysis (% As Received)** | Carbon | 63-80 | 70.87 | 75 - 85 |
| | Hydrogen | 3.5-7.5 | 4.86 | 3.00 - 4.00 |
| | Nitrogen | .95-1.9 | 1.44 | 0.70 - 2.30 |
| | Chlorine | 0.0-0.3 | | 0.01 - 0.04 |
| | Sulfur | 1.0-2.5 | 1.57 | 3.40 - 7.00 |
| | Moisture | 4-10 | 6.78 | 3.65 -10.00 |
| | Ash | 4.5-17 | 8.46 | 0.30 - 1.37 |
| | Oxygen | 2.5-8.8 | 6.02 | 0.15 -1.00 |
| **Mineral Analysis of Ash (%)** | $SiO_2$ | 45-60 | 47.37 | 0.20 - 20.0 |
| | $Al_2O_3$ | 20-30 | 27.10 | 0.50 - 5.00 |
| | $TiO_2$ | 1-4 | 1.53 | 0.05 - 0.50 |
| | $Fe_2O_3$ | 4-15 | 12.74 | 2.0 - 23.0 |
| | CaO | 1-5 | 1.56 | 2.0 - 15.0 |
| | MgO | 0.5-3.0 | 0.77 | 0.50 - 5.0 |
| | $Na_2O$ | 0.10-1.0 | 0.55 | 0.50 - 11.0 |
| | $K_2O$ | 1.0-3.2 | 2.60 | 0.10 - 1.0 |
| | $P_2O_5$ | 0.1-1.0 | | 0.01 - 0.02 |
| | $SO_3$ | 0.1-1.5 | | ------- |
| | $V_2O_5$ | | | 12 .0 - 89.0 |
| | Vanadium Pentoxide (ppm of fuel) | | | 300 - 3,000 |
| | Undetermined | | 5.78 | |
| **Ash Fusion (F)** | **Reducing** | | | |
| | Initial Deformation | 2400 | 2400 | 2500 - 2800 |
| | Softening (H=W) | 2500 | 2500 | 2500 - 2800 |
| | Hemispherical (H=1/2 W) | 2550 | 2500 | 2500 - 2800 |
| | Fluid (H=1/16") | 2600 | 2550 | 2500 - 2800 |
| | **Oxidizing** | | | |
| | Initial Deformation | 2600 | 2600 | 2500 - 2800 |
| | Softening (H=W) | 2700 | 2600 | 2500 - 2800 |
| | Hemispherical (H=1/2 W) | 2700+ | 2650 | 2500 - 2800 |
| | Fluid (H=1/16") | 2700+ | 2650 | 2500 - 2800 |

# Steam Turbine Data Sheet - Guaranteed and Predicted Performance

| | | | |
|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-011001-0001 |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Steam Turbine and Accessories, Technical Datasheet |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 |
| | | **DATE:** | 16-Aug-06 |
| **COST CODE:** | 011001 | **EQ TAGs:** | 1-TG-TRB-1001 |

**Contractor to complete all shaded portions**

| | | | Case 1 | Case 2 | Case 3 |
|---|---|---|---|---|---|
| Description | | | Normal Operating Pressure, 95% throttle condition | Normal Operating Pressure, Valves Wide Open | 5% Overpressure, Valves Wide Open |
| Parameter | | Units | **GUARANTEED** | **PREDICTED** | **PREDICTED** |
| HP Steam @ Stop Valve | | | | | |
| | Temperature | °F | 1,050.0 | 1,050.0 | 1,050.0 |
| | Flow | lb/hr | 4,179,867.0 | 4,385,495.0 | 4,624,066.0 |
| | Pressure | psia | 3,515.0 | 3,515.0 | 3,690.0 |
| Hot Reheat Stm @ St Vlv | | | | | |
| | Temperature | °F | 1,100.0 | 1,100.0 | 1,100.0 |
| | Flow | lb/hr | 3,219,314.0 | 3,358,589.0 | 3,519,857.0 |
| | Pressure | psia | 739.8 | 772.5 | 809.3 |
| Extraction No. 1 | | | | | |
| | Temperature | °F | 158.0 | 159.7 | 161.2 |
| | Flow | lb/hr | 60,914.0 | 67,802.0 | 75,244.0 |
| | Pressure | psia | 4.53 | 4.71 | 4.88 |
| Extraction No. 2 | | | | | |
| | Temperature | °F | 196.4 | 198.2 | 200.3 |
| | Flow | lb/hr | 102,512.0 | 107,842.0 | 114,153.0 |
| | Pressure | psia | 10.7 | 11.1 | 11.5 |
| Extraction No. 3 | | | | | |
| | Temperature | °F | 383.1 | 382.7 | 380.7 |
| | Flow | lb/hr | 182,103.0 | 191,421.0 | 202,258.0 |
| | Pressure | psia | 37.2 | 38.7 | 40.2 |

# Steam Turbine Data Sheet - Guaranteed and Predicted Performance

| | | | | | | |
|---|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | | **DS NO:** | PEDE-1-DS-011001-0001 | | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Steam Turbine and Accessories, Technical Datasheet | | |
| **PLANT LOC:** | Johnsonville, SC | | **REV:** | 0 | **DATE:** | 16-Aug-06 |
| **COST CODE:** | 011001 | | **EQ TAGs:** | 1-TG-TRB-1001 | | |
| **Contractor to complete all shaded portions** | | | | | | |

| | | | **Case 1** | **Case 2** | **Case 3** |
|---|---|---|---|---|---|
| Description | | | Normal Operating Pressure, 95% throttle condition | Normal Operating Pressure, Valves Wide Open | 5% Overpressure, Valves Wide Open |
| Parameter | | Units | **GUARANTEED** | **PREDICTED** | **PREDICTED** |
| Extraction No. 4 | | | | | |
| | Temperature | °F | 471.0 | 470.5 | 468.8 |
| | Flow | lb/hr | 84,338.0 | 89,019.0 | 94,565.0 |
| | Pressure | psia | 59.2 | 61.6 | 64.1 |
| Extraction No. 5 | | | | | |
| | Temperature | °F | 639.1 | 638.2 | 636.4 |
| | Flow | lb/hr | 157,828.0 | 166,282.0 | 175,485.0 |
| | Pressure | psia | 137.6 | 143.2 | 149.0 |
| Extraction No. 6 | | | | | |
| | Temperature | °F | 833.4 | 833.0 | 831.8 |
| | Flow | lb/hr | 178,845.0 | 189,606.0 | 200,371.0 |
| | Pressure | psia | 290.0 | 302.5 | 315.8 |
| Extraction No. 7 | | | | | |
| | Temperature | °F | 651.1 | 659.7 | 658.2 |
| | Flow | lb/hr | 470,502.0 | 499,744.0 | 538,565.0 |
| | Pressure | psia | 822.0 | 858.4 | 899.2 |
| Extraction No. 8 | | | | | |
| | Temperature | °F | 772.1 | 783.6 | 781.5 |
| | Flow | lb/hr | 342,799.0 | 372,084.0 | 402,156.0 |
| | Pressure | psia | 1,303.7 | 1,370.7 | 1,434.5 |

# Steam Turbine Data Sheet - Guaranteed and Predicted Performance

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-011001-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Steam Turbine and Accessories, Technical Datasheet | | |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 | **DATE:** | 16-Aug-06 |
| **COST CODE:** | 011001 | **EQ TAGs:** | 1-TG-TRB-1001 | | |

**Contractor to complete all shaded portions**

| | | | **Case 1** | **Case 2** | **Case 3** |
|---|---|---|---|---|---|
| Description | | | Normal Operating Pressure, 95% throttle condition | Normal Operating Pressure, Valves Wide Open | 5% Overpressure, Valves Wide Open |
| Parameter | | Units | **GUARANTEED** | **PREDICTED** | **PREDICTED** |
| Cold Reheat Stm @ Terminal Point | | | | | |
| | Temperature | °F | 651.1 | 659.7 | 658.2 |
| | Flow | klb/hr | 3,212,569.0 | 3,351,939.0 | 3,512,840.0 |
| | Pressure | psia | 822.0 | 858.4 | 899.2 |
| Exhaust to Condenser | | | | | |
| | Temperature | °F | 109.3 / 119.9 | 109.3 / 119.9 | 109.3 / 119.9 |
| | Flow | lb/hr | 1169843/1169843 | 1215195/1215195 | 1260460/1260460 |
| | Pressure | inHgA | 2.55 / 3.45 | 2.55 / 3.45 | 2.55 / 3.45 |
| | Enthalpy | Btu/lb | 1017.6 / 1031.3 (UEEP) | 1015.6 / 1028.2 (UEEP) | 1013.4 / 1024.9 (UEEP) |
| Electric Power | | | | | |
| | @ Gen Terminals | kW | 615,045.0 | 639,152.0 | 668,533.0 |
| | Contractor Aux load | kW | 11,710.0 | 12,113.0 | 12,640.0 |
| | Power Factor | | 0.9 | 0.9 | 0.9 |
| | Turbine Generator Net Heat Rate | Btu / kW-hr | 7,396.0 | 7,384.0 | 7,367.0 |

# Turbine Drive Data Sheet

| | | | |
|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-151401-0001 |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 **DATE:** 19-Sep-06 |
| **COST CODE:** | 151401 | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B |

**To be completed by Owner**

| ITEM | DESCRIPTION | BY CONTRACTOR | BY OWNER | COMMENTS |
|---|---|---|---|---|
| **1.0** | **TURBINE ASSEMBLY** | | | |
| | Turbine exhaust type: | | | |
| | a. Down | X | | |
| | b. Side | | | |
| | c. Up | | | |
| | Turbine Inlet: | | | |
| | a. Single inlet pressure | | | |
| | b. Dual inlet pressure | X | | Separate HP Admission |
| | Turbine type: | | | |
| | Condensing Turbine: | | | |
| | a. Straight flow | X | | |
| | b. Opposed Extraction | | | |
| | c. Interstage Floating Extraction | | | |
| | d. Interstage Controlled Extraction | | | |
| | e. Interstage Controlled Induction | | | |
| | Backpressure Turbine | | | |
| | a. Straight flow | | | |
| | b. Interstage Floating Extraction | | | |
| | c. Interstage Controlled Extraction | | | |
| | Turbine assemblies including casing(s) and rotor(s) | X | | |
| | LP steam stop/control valves and actuators | X | | |
| | HP steam stop/control valves and actuators | X | | |
| | AC motor driven turning gear with automatic engaging and disengaging, and zero speed indication. | X | | |
| | Exhaust duct shutoff valve | | X | |
| | Exhaust duct expansion joint | | X | |
| **2.0** | **MECHANICAL ACCESSORIES** | | | |
| | Temporary cover plates and related hardware for stop valves and control valves for steam blow. | X | | Blowdown piping not in GE scope |
| | Hydrotest blanking plates. | X | | |

# Turbine Drive Data Sheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-151401-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | | |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 | **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | | |

| | | | | |
|---|---|---|---|---|
| | Removable and reusable insulation blankets and appearance lagging for casing, stop and control valves, and all flanges for interconnecting steam piping. | X | | |
| | Two extra sets of gaskets. | X | | |
| | Insulation and lagging skirting for turbines. | X | | |
| | Gland steam interconnecting piping and supports | X | | Up to skid edge |
| | Lubricating oil system (for each turbine) | | | |
| | a. Lube oil reservoir | X | | |
| | b. Two 100% capacity AC main lube oil pumps | X | | |
| | c. DC emergency oil pump with starter | X | | |
| | d. Two 100% capacity oil coolers with transfer valves and filler valve | X | | Stainless steel plate type |
| | e. Dual element oil cartridge type filter | X | | |
| | f. Oil temperature and oil pressure control valves | X | | |
| | g. Oil vapor exhaust fan and demister | X | | |
| | h. Oil heaters | X | | |
| | i. Interconnecting, guarded, stainless steel lube oil piping with supports | | X | |
| | j. Oil system instrumentation | X | | |
| | k. Oil for flushing and first filling | | X | |
| | l. Lube oil purification system. | | X | |
| | m. Connections on lube oil reservoir for piping to lube oil purification system | X | | |
| | Exhaust casing blowout diaphragm(s) mounted on exhaust duct, including one full set of spares | | X | |
| **3.0** | **ELECTRICAL AND CONTROLS PACKAGE** | | | |
| | Three phase AC motor control equipment | | X | |

# Turbine Drive Data Sheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-151401-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | | |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 | **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | | |

| | | | | |
|---|---|---|---|---|
| | Turbine speed governing control system | X | | |
| | Turbine control system valves and instrumentation | X | | |
| | Redundant communication link for interface with plant DCS | X | | |
| | Local supervisory and control instrumentation and necessary instrumentation for remote control and system supervision from the main control room. | X | | |
| | Raceway | X | | For Contractor-supplied wiring within base limits |
| | Provisions for performance testing including test ports, thermowells, instrumentation, and cards for interface to the Owner's DCS | X | | Instrumentation specifically for testing is not included. |
| | Starters for all DC motors mounted local to the equipment | X | | |
| | Grounding system connectors | X | | |
| | Cabinet lighting | X | | |
| **4.0** | **MISCELLANEOUS** | | | |
| | All interconnecting piping, tubing, and wiring on Contractor-furnished skids | X | | To battery limits of baseplate(s) only. |
| | Coupling, coupling cover and associated hardware including boiler feed pump half-coupling | X | | |
| **5.0** | **OTHER MATERIAL AND SERVICES** | | | |
| | Hardware for complete assembly and accessories | X | | As defined in the scope of supply. |
| | Special tools and devices | X | | Per scope of supply. |
| | Special rigging and lifting devices | X | | Per scope of supply. |
| | Lifting lugs | X | | |
| | Piping insulation and lagging | | X | |
| | Finish painting of lagging and exposed steel | | X | |
| | Prime painting of all steel | X | | |
| | Foundations | | X | |
| | Foundation design, anchor bolts, and reinforcing steel | | X | |
| | Foundation sole plates, fixators, adjusting screws, shims | X | | Per scope of supply. |
| | Technical field assistance for installation | X | | |

# Turbine Drive Data Sheet

| | | | | | | |
|---|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | | **DS NO:** | PEDE-1-DS-151401-0001 | | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | | |
| **PLANT LOC:** | Johnsonville, SC | | **REV:** | 0 | **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | | |

| | | | | |
|---|---|---|---|---|
| | Field erection supervision, labor, and equipment | | X | |
| | Training of operating & maintenance personnel | X | | |
| | Project review meetings | X | | |
| | Constructability review | X | | |
| | Technical assistance for startup and testing | X | | |
| | Heat balances and performance correction curves for all applicable operating conditions | X | | |
| | Performance test | | X | |
| | Start up spare parts | X | | |
| | Complete parts list, cataloged with price list and lead times | X | | Contractor shall indicate recommended spare parts |

# Turbine Drive Data Sheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-151401-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | | |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 | **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | | |

**Contractor to complete all shaded portions**

| **Description** | **Case 1** | | **Case 2** | |
|---|---|---|---|---|
| | At Design | | At Maximum Capability | |
| **Parameter** | **GUARANTEED** | | **PREDICTED - PRELIMINARY** | |
| Turbine rated output | 9,376 | hp | | hp |
| Speed @ rated output | 5,500 | rpm | | rpm |
| Turbine efficiency at rated output | | % | | % |
| LP steam flow required | 115,750 | lb/hr | | lb/hr |
| LP Steam Inlet Pressure | 133.5 | psia | | psia |
| LP Steam Inlet Temperature | 638.1 | °F | | °F |
| LP Steam Inlet Enthalpy | 1346.6 | Btu/lb | | Btu/lb |
| HP steam flow required | 0 | lb/hr | | lb/hr |
| HP Steam Inlet Pressure (MCR NP) | | psig | | psig |
| HP Steam Inlet Temperature (MCR NP) | | °F | | °F |
| HP Steam Inlet Enthalpy (MCR NP) | | Btu/lb | | Btu/lb |
| HP Steam Inlet Pressure (MCR OP) | | psig | | psig |
| HP Steam Inlet Temperature (MCR OP) | | °F | | °F |
| HP Steam Inlet Enthalpy (MCR OP) | | Btu/lb | | Btu/lb |
| Minimum speed for continuous operation | later | rpm | | rpm |
| Minimum load for continuous operation | later | hp | | hp |
| Maximum speed for continuous operation | 6,050 | rpm | | rpm |
| Maximum load for continuous operation | later | hp | | hp |
| Backpressure | 4 | in HgA | | in HgA |
| Direction of rotation from coupled end of turbine - LP side - looking at the pump | CCW | | | |

# Turbine Drive Data Sheet

| | | | | | | |
|---|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | | **DS NO:** | PEDE-1-DS-151401-0001 | | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | | |
| **PLANT LOC:** | Johnsonville, SC | | **REV:** | 0 | **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | | |

**To be completed by Contractor**

| | | |
|---|---|---|
| **1.0 Turbine and Accessories** | | |
| A. Turbine | | |
| 1. Manufacturer | GE Thermodyn | |
| 2. Type | Impulse type, multi stage, multi valve, condensing | |
| 3. Model identification | 8MC6 | |
| 4. Maximum allowable steam temperature rate of change | later | °F/min |
| 5. Maximum allowable speed | 5,500 | rpm |
| 6. Maximum speed change rate within allowable steam pressure and temperature ranges | later | rpm/min |
| 7. Steam flow to LP stop valve at rated output | 115,750 | lb/hr |
| 8. Maximum allowable backpressure | 8 | in HgA |
| 9. Low pressure steam source | | |
| a. Maximum steam flow | 140,000 | lb/hr |
| b. Design steam pressure | 150 | psia |
| c. Design steam temperature | 650 | °F |
| 10. High pressure steam source | | |
| a. Maximum steam flow | later | lb/hr |
| b. Design steam pressure | 3,750 | psig |
| c. Design steam temperature | 1,080 | °F |
| 11. Number of rows of blades | 6 | |
| 12. Last stage blade length | 12 | in |
| 13. Critical speeds, first, second | later | rpm |
| 14. Exhaust duct annulus area | 12.45 | in2 |
| 15. Materials (AFNOR code, please refer to attached composition &correspondances | | |
| a. Rotor | 30 NCDV11 | |
| b. LP steam inlet | A 480 CPM | |
| c. HP steam inlet | 18CD2-05M | |
| d. Casing | A480 CPM | |
| e. Diaphragms | E28.3 | |
| f. Blades | Z10CD13 | |
| g. Journal bearings | Steel backed babbit | |
| h. Thrust bearings | Steel backed babbit | |
| i. Shaft seal rings | Z20C13 | |
| B. Lubrication/Control Oil System | | |
| 1. Lube oil/Control Oil system | | |
| a. Type of oil | Mineral | |
| i. Recommended Manufacturer | later | |
| ii. Grade | ISO VG32 | |
| b. Total amount of oil in system | 860 | gal |
| c. Oil tank capacity | 962 | gal |
| 2. Oil conditioner (purifier) connections | | |
| a. Size | 0.75 in | |
| b. Material | Stainless Steel | |
| c. End type | Flanged | |
| 3. Oil coolers | | |
| a. Manufacturer | later | |
| b. Type | Stainless steel plate | |

# Turbine Drive Data Sheet

| | | | | | | |
|---|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | | **DS NO:** | PEDE-1-DS-151401-0001 | | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | | |
| **PLANT LOC:** | Johnsonville, SC | | **REV:** | 0 | **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | | |

| | | | | |
|---|---|---|---|---|
| c. Number of coolers x duty | | | 2 X 100 | % |
| d. Oil flow for turbine lube + control + pump lube | | | 133 | gpm |
| e. Cooling water flow (DT = 10 °C) | | | 35 | gpm |
| f. Cooling Water Pressure Drop | | | 15 | psig |
| g. Cooling Water Maximum Inlet Pressure | | | 170 | psig |
| h. Cooling Water Maximum Inlet Temperature | | | 122 | °F |
| i. Heat Duty | | | 300,000 | Btu/hr |
| 4. Main AC oil pumps | | | | |
| a. Manufacturer | later | | | |
| b. Type | Gear | | | |
| c. Number of pumps | | | 2 | |
| d. Rated capacity | | | 184 | gpm |
| e. Discharge pressure | | | 180 | psig |
| f. Speed | | | 1500 | rpm |
| g. Motor type, output/voltage | 15 | kW | 460 | V |
| 5. Emergency DC oil pump | | | | |
| a. Manufacturer | later | | | |
| b. Type | Gear | | | |
| c. Quantity of pumps | | | 1 | |
| d. Rated capacity | | | 80 | gpm |
| e. Discharge pressure | | | 30 | psig |
| f. Speed | | | 1800 | rpm |
| g. Motor type, output/voltage | 3 | kW | 250 | V |
| 6. Oil tank vapor extractor | | | | |
| a. Type | FAN | | | |
| b. Capacity | | | later | scfm |
| c. Rating speed | | | 1800 | rpm |
| d. Motor type, output/voltage | 3 | kW | 250 | V |
| 7. Oil filters | | | | |
| a. Type | Cartridge | | | |
| b. Filtered particle size | | | 10 | microns |
| E. Gland Steam | | | | |
| 1. Maximum quantity of gland steam leakoff | | | 220 | lb/hr |
| 2. Design gland steam pressure | | | 18 | psig |
| 3. Design gland steam temperature | | | below 700 | °F |
| F. Turning gear | | | | |
| 1. Auto/Manual | | | Auto | |
| 2. Motor type | AC | | | |
| a. AC Motor, output/voltage | approx 15 | kW | 460 | V |
| 3. Turbine speed on turning gear | | | approx 50 | rpm |
| G. Vibration Monitoring System | | | | |
| 1. Monitor system manufacturer | GE | | | |
| a. Model No. | Mark VI | | | |
| 2. Field sensor manufacturer | Bently Nevada | | | |
| a. Type of sensor | BN 3300 | | | |
| b. Monitoring point | Rotor | | | |
| H. Field Instruments and Control Valves/Drives (each type of instrument) | | | | |

# Turbine Drive Data Sheet

| | | | | | | |
|---|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | | **DS NO:** | PEDE-1-DS-151401-0001 | | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | | |
| **PLANT LOC:** | Johnsonville, SC | | **REV:** | 0 | **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | | |

| | | |
|---|---|---|
| 1. Manufacturer | later | |
| 2. Model (shall be indicated for all types of instruments) | later | |
| 3. Options | | |
| I. LP steam stop valve | | |
| 1. Manufacturer | GE Thermodyn | |
| 2. Model | 14-300 | |
| 3. Nominal size | 14 | in |
| 4. Materials | A480 CPM | |
| 5. Type | Monobloc bolted to turbine casing | |
| J. LP steam control valves (Governor Valves) | | |
| 1. Manufacturer | GE Thermodyn | |
| 2. Model | N/A | |
| 3. Nominal size per valve (average) | 3 | in |
| 4. Materials | A480 CPM for chest valve- Z20C13 for valve | |
| 5. Type | Poppet/ Venturi | |
| K. HP steam stop valve | | |
| 1. Manufacturer | GE Thermodyn | |
| 2. Model | later | |
| 3. Nominal size | 3 | in |
| 4. Materials | 15CDV4-10M | |
| 5. Type | | |
| L. HP steam control valves (Governor Valves) | Integral with HP stop valve | |
| 1. Manufacturer | N/A | |
| 2. Model | N/A | |
| 3. Nominal size | N/A | in |
| 4. Materials | N/A | |
| 5. Type | N/A | |
| M. Governor | | |
| 1. Manufacturer | GE | |
| 2. Model | Mark VI | |
| 3. Type | TMR | |
| 4. Speed regulation | | % |
| 5. Load change rate | | %/ min |
| 6. Dead Band | | sec |
| 7. Signal Range | | |
| 8. Type of Speed Sensor | | |
| 9. Type of Overspeed Trip | Electronic 2oo3 | |
| N. Coupling | | |
| 1. Manufacturer | Metastream or equivalent | |
| 2. Model | later | |
| 3. Maximum Rating | | hp |
| 4. Type | Flexible | |
| **2.0 Weights and Dimensions** | | |
| A.Weights | PRELIMINARY | |
| 1. Turbine | | |
| a. Net weight of complete unit (without lube oil system : 10000 lbs) | 82000 | lb |

# Turbine Drive Data Sheet

| | | | | |
|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-151401-0001 | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 | **DATE:** 19-Sep-06 |
| **COST CODE:** | 151401 | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | |

| | | |
|---|---|---|
| b. Total shipping weight of complete unit | 105000 | lb |
| c. Assembled weight of unit | 82000 | lb |
| d. Turbine rotor, assembled weight | 7200 | lb |
| e. Casing upper half | 15000 | lb |
| f. Exhaust hood upper half | 7000 | lb |
| g. Heaviest part to be handled after initial erection (e+f) | 22000 | lb |
| h. Heaviest piece to be handled during construction | 82000 | lb |
| i. Heaviest part weight for maintenance of steam turbine | 22000 | lb |
| B. Overall Dimensions, inches | PRELIMINARY | |
| 1. Turbine | | |
| a. Length of complete turbine unit - Turbine baseplate lenght | 190 | in |
| b. Width at the widest point - exhaust casing | 160 | in |
| c. Width at floor line | 160 | in |
| d. Height above floor | | in |
| 1) Top of machine | 160 | in |
| 2) Highest point | 160 | in |
| e. Turbine exhaust connection openings | | in |
| 1) Axially, inside | | in |
| 2) Transversely, inside | | in |
| 3) Distance below operating floor | | in |
| f. Highest point of crane hook required for erection above turbine centerline | 150 | in |
| g. Highest point of crane hook required for maintenance above turbine centerline | 150 | in |
| C. Loads | | |
| 1. Turbine Exhaust Duct | | |
| a. Fx | | lb |
| b. Fy | | lb |
| c. Fz | | lb |
| d. Mx | | ft-lb |
| e. My | | ft-lb |
| f. Mz | | ft-lb |
| 2. LP Steam Inlet | | |
| a. Fx | | lb |
| b. Fy | | lb |
| c. Fz | | lb |
| d. Mx | | ft-lb |
| e. My | | ft-lb |
| f. Mz | | ft-lb |
| 3. HP Steam Inlet | | |
| a. Fx | | lb |
| b. Fy | | lb |
| c. Fz | | lb |
| d. Mx | | ft-lb |
| e. My | | ft-lb |
| f. Mz | | ft-lb |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Steam Generator Data Sheet** | | | | | | | |
| **PROJECT:** | PEE DEE Unit 1 | | | **DS NO:** | PEDE-1-DS-161101-0001 | | |
| **CUSTOMER:** | Santee Cooper | | | **DESC:** | Steam Generator And Accessories, Technical Datasheets | | |
| **PLANT LOC:** | Pamplico, SC | | | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | | | | |
| | | | | | | | |
| **To be completed by Contractor** | | | | | | | |
| | **Steam Generator Design** | | | | | | |
| 1 | **Manufacturer** | | ALSTOM POWER | | | | |
| 2 | **Type** | | Vertical Wall SPSC | | | | |
| 3 | **Furnace(s):** | | | | | | |
| a | Quantity of furnaces | | | | | 1 / unit | |
| b | Width and depth of each | | | | | 59.72 x 59.72 | ft |
| c | Furnace height | | | | | 206.94 | ft |
| d | Design pressure | | | | | minus 35/ + 35 | in H2O |
| e | Furnace Volume (Total Pressure Parts) | | | | | 619,235 | ft3 |
| 4 | **Surface Areas:** | | | | | | |
| a | Economizer | | | | | 199,839 | ft2 |
| b | Boiler - Bank | | | | | NA | ft2 |
| c | Waterwalls (including hgr & screeen) | | | | | 48,500 | ft2 |
| d | Superheater - radiant | | | | | 37,231 | ft2 |
| e | Superheater - convection | | | | | 73,844 | ft2 |
| f | Reheater - radiant | | | | | 24,904 | ft2 |
| g | Reheater - convection | | | | | 203,737 | ft2 |
| 5 | **Tubes/Piping - Material:** | | | ASME/ASTM No. | | Max. Allow. Outside Surface Temperature, °F | |
| a | Furnace - waterwall - outer | | | SA 213 T23 | SA 213 T13 | 1025/1100 | |
| b | Furnace - waterwall - division | | | N/A | | | |
| c | Superheater - radiant - **Panels** | | | SA 213 T12 & 213 T22 | | 1025 & 1100 | |
| d | Superheater - convection - | | | SA 213- T91, TP304H | | 1200, 1400 | |
| e | Superheater - convection - | | | N/A | | | |
| f | Reheater - radiant - wall | | | N/A | | | |
| g | Reheater - radiant - platen | | | SA 213-T22, T91,TP304H,TP347H | | 1100, 1200, 1400, 1400 | |
| h | Reheater - convection - vertical leg & pendant | | | SA 213- T91 | | 1200 | |
| i | Reheater - convection - horizontal | | | SA 213 T12 & 213 T22 | | 1025 & 1100 | |
| j | Economizer | | | SA 210C | | 850 | |
| k | Superheater - radiant - platen | | | SA 213- T12, T22, T91 | | 1025, 1100, 1200 | |
| l | Downcomers | (StartupSys) | | SA-213-P12 | SA-106C | 1025/800 | |
| m | Steam coil air heaters | | | SA 214 C. S. | | 850 | |
| 6 | **Tubes - Diameter and Spacing:** | | | | | | |
| a | Furnace - waterwall - outer | | | | | 1.125 / 1.625 | in |
| b | Furnace - waterwall - division | | | | | NA | in |
| c | Superheater - radiant - Panels | | | | | 1.75 / 2.125 / 107 | in |
| d | Superheater - convection - pendant | | | | | 1.75 / 3.5 / 6.5 | in |
| e | Superheater - convection - horizontal | | | | | NA | in |
| f | Reheater - radiant - wall | | | | | NA | in |
| g | Reheater - radiant - platen | | | | | 2.5 / 2.875 / 13.0 | in |
| h | Reheater - convection - vertical leg & pendant | | | | | 2.5 / 5.0 / 6.0 | in |
| i | Reheater - convection - horizontal | | | | | 2.75 / 5.5 / 6.0 | in |
| j | Economizer | | | | | 2.0 / 4.0 / 4.0 | in |
| k | Superheater - radiant - platen | | | | | 1.75 / 2.125 / 35.75 | in |
| l | Downcomers | | | | | NA | in |
| m | Steam coil air heaters | | | | | 1 | in |
| 7 | **Superheater control method** | | Desuperheating Spray | | | | |
| 8 | **Reheater control method** | | Nozzle tilt/ Excess air | | | | |
| 9 | **Economizer:** | | | | | | |
| a | Design pressure | | | | | 4625 | psig |
| b | Design temperature | | | | | 755 | Deg F |
| 10 | **Superheater:** | | | | | | |
| a | Design pressure | | | | | 3995 | psig |
| b | Design temperature | | | | | Various | Deg F |
| c | Safety valve setpoint | | | | | Later | psig |
| 11 | **Reheater:** | | | | | | |
| a | Design pressure | | | | | 1000 | psig |
| b | Design temperature | | | | | Various | Deg F |
| c | Safety valve setpoint (cold reheat) | | | | | NA | psig |
| d | Safety valve setpoint (hot reheat) | | | | | Later | psig |

## Steam Generator Data Sheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | PEE DEE Unit 1 | **DS NO:** | PEDE-1-DS-161101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Steam Generator And Accessories, Technical Datasheets | | |
| **PLANT LOC:** | Pamplico, SC | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 12 | **Furnace projected areas:** | | | | | |
| a | Waterwalls, including radiant superheater | | | | 61,421 | ft2 |
| b | Platen superheater | | | | 18,872 | ft2 |
| c | Furnace exit | | | | 3,112 | ft2 |
| d | Total EPRS | | | | 86,971 | ft2 |
| e | Plan area | | | | 3,566 | ft2 |
| 13 | **Design factors - net heat release rates:** | | | | | |
| a | Projected area | | | | 66,298 | Btu/ft2/hr |
| b | Plan area | | | | 1,620,000 | Btu/ft2/hr |
| c | Volume | | | | 9,310 | Btu/ft3/hr |
| d | From fuel only | | | | 8,864 | Btu/ft2/hr |
| 14 | **Recirculation Ratio ( for 2 Pumps)** | | | | NA | |
| 15 | **Identification of non-membrane welded wall** | | | | | |
| 16 | **The vertical clearance between centerline of top row of burners and the work point of the furnace arch (nose)** | | | | 45.7 | ft |
| 17 | **The vertical distance between the centerline of the top row of burners and the bottom of any pendant superheater element in the furnace** | | | | 65.0 | ft |
| 18 | **The vertical distance between the centerline of the bottom row of burners and the work point of the furnace hopper** | | | | 16.0 | ft |
| 19 | **Clearance between lowest header and steam generator structure floor** | | | | 30 | ft |
| 20 | **Provisions for headers to take bending moments and thrust from attached piping:** | | | | | |
| a | Superheater outlet: | | | | | |
| (1) | Mx | | 100,000 | Preliminary | (Per connection) | **ft-lbf** |
| (2) | My | | 100,000 | Preliminary | (Per connection) | **ft-lbf** |
| (3) | Mz | | 100,000 | Preliminary | (Per connection) | **ft-lbf** |
| (4) | Fx | | 12,000 | Preliminary | (Per connection) | **lbf** |
| (5) | Fy | | 12,000 | Preliminary | (Per connection) | **lbf** |
| (6) | Fz | | 12,000 | Preliminary | (Per connection) | **lbf** |
| b | Reheater inlet: | | | | | |
| (1) | Mx | | 70,000 | Preliminary | (Per connection) | **ft-lbf** |
| (2) | My | | 70,000 | Preliminary | (Per connection) | **ft-lbf** |
| (3) | Mz | | 70,000 | Preliminary | (Per connection) | **ft-lbf** |
| (4) | Fx | | 16,000 | Preliminary | (Per connection) | **lbf** |
| (5) | Fy | | 16,000 | Preliminary | (Per connection) | **lbf** |
| (6) | Fz | | 16,000 | Preliminary | (Per connection) | **lbf** |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| c | Reheater outlet: | | | | | |
| (1) | Mx | | 70,000 | Preliminary | (Per connection) | **ft-lbf** |
| (2) | My | | 70,000 | Preliminary | (Per connection) | **ft-lbf** |
| (3) | Mz | | 70,000 | Preliminary | (Per connection) | **ft-lbf** |
| (4) | Fx | | 16,000 | Preliminary | (Per connection) | **lbf** |
| (5) | Fy | | 16,000 | Preliminary | (Per connection) | **lbf** |
| (6) | Fz | | 16,000 | Preliminary | (Per connection) | **lbf** |
| d | Economizer inlet: | | | | | |
| (1) | Mx | | 80,000 | Preliminary | | **ft-lbf** |
| (2) | My | | 80,000 | Preliminary | | **ft-lbf** |
| (3) | Mz | | 80,000 | Preliminary | | **ft-lbf** |
| (4) | Fx | | 20,000 | Preliminary | | **lbf** |
| (5) | Fy | | 20,000 | Preliminary | | **lbf** |
| (6) | Fz | | 20,000 | Preliminary | | **lbf** |

# Steam Generator Data Sheet

| | | | |
|---|---|---|---|
| **PROJECT:** | PEE DEE Unit 1 | **DS NO:** | PEDE-1-DS-161101-0001 |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Steam Generator And Accessories, Technical Datasheets |
| **PLANT LOC:** | Pamplico, SC | **REV:** | 0 |
| | | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 |

| | | | |
|---|---|---|---|
| 21 | **Special tools required** | | |
| 22 | **Main Burners:** | | |
| a | Quantity | 24 | |
| b | Manufacturer | ALSTOM POWER | |
| c | Model | TFS-2000 | |
| d | Type | Ultra Low NOx - Tilting Tangential | |
| e | Quantity of burner nozzles per burner coal pipe | 1 | |
| f | Burner turn-down ratio | 2.5 / 1 | |
| g | Heat input per burner | 274.5 | MMBtu/hr |
| h | Total heat input | 5490 | mmBtu/hr |
| i | Number of burners required in service for full steam generator operating range | 20 | |
| j | Minimum number of burners in service at any time | 8 | |
| k | Burner tip material (ASTM) | RA 253 MA - similar to ASTM 310 SS | |
| l | Location of burners | 6 elevations - 4 corners of furnace | |
| 23 | **Warm-up burners (if required):** | | |
| a | Quantity | 12 | |
| b | Manufacturer | ALSTOM POWER | |
| c | Model | Later | |
| d | Type | Standard Capacity Oil Gun | |
| e | Heat input per burner | 137,200,000 | Btu/hr |
| f | Total heat input | 1647 | mmBtu/hr |
| g | Flow rate of #2 fuel oil per burner | 7,185 | lb/hr |
| h | | 35 | psig |
| i | Minimum oil pressure, at burner | 30 | psig |
| j | Maximum oil pressure, system | 250 | psig |
| k | Minimum oil temperature | 40 | Deg F |
| l | Recirculation system provided? | Yes, light oil return line provided. | Yes/No |
| m | Location of burners | 3 elevations - 4 corners of furnace | |
| n | Percent of full load oil burners can carry | 20 | % |
| 24 | **Ignitors:** | | |
| a | Quantity | 12 | |
| b | Manufacturer | ALSTOM POWER | |
| c | Model | Spark | |
| d | Type | High Energy Arc | |
| e | Heat input per ignitor | NA | Btu/hr |
| f | Total heat input | NA | mmBtu/hr |
| g | Flow rate of #2 fuel oil per ignitor | NA | lb/hr |
| h | Minimum oil pressure, system | NA | psig |
| i | Minimum oil pressure, at ignitor | NA | psig |
| j | Maximum oil pressure, system | NA | psig |
| k | Minimum oil temperature | NA | Deg F |
| l | Recirculation system required? | NA | Yes/No |
| m | Location of ignitors | 3 elevations - 4 corners of Furnace | |
| n | Percent of full load oil ignitors can carry | NA | % |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Steam Generator Data Sheet** | | | | | | | |
| **PROJECT:** | PEE DEE Unit 1 | | | **DS NO:** | PEDE-1-DS-161101-0001 | | |
| **CUSTOMER:** | Santee Cooper | | | **DESC:** | Steam Generator And Accessories, Technical Datasheets | | |
| **PLANT LOC:** | Pamplico, SC | | | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | | | | |
| | | | | | | | |
| 25 | **Pulverizers:** | | | | | | |
| a | Quantity | | | | | 6 | |
| b | Manufacturer | | ALSTOM POWER | | | | |
| c | Model | | HP 1003 | | | | |
| d | Type | | Vertical Spindle Mill | | | | |
| e | Capacity (each) Maximum | | Nominal at | 70% through | 200 mesh | 125,740 | lb/hr |
| f | Pulverizer performance | | (Performance coal) | | | | |
| g | Pulverizer in operation, capacity/power (each) | | | | | 88574 / 586 | lb/hr/hp |
| h | Pulverizer brake horsepower **(maximum)** | | | | | 763 | hp |
| i | Pulverizer motor horsepower | | | | | 800 | hp |
| j | Suitable pulverizer response features are provided to maintain steam pressure under variable load operation within the limits of (±) | | | | | + or - 100 | psi |
| k | Classifier type | | Dynamic | | | | |
| l | Classifier brake horsepower | | | | | 30 | hp |
| m | Classifier motor horsepower | | | | | 40 | hp |
| n | Classifier drive type | | Belt Driven with Variable Frequency Drive (VFD) | | | | |
| o | Mfr of no coal flow alarm | | Later | | | | |
| p | Pulverizer turn-down ratio | | | | | 3.33 / 1 | |
| q | Pulverizer grinding table speed | | | | | ~36 | rpm |
| r | Special tools required | | See PEDE-1-DV-161101-MISC-BOP-SYSTEMS-R1.PDF | | | | |
| s | Coal conduit quantity | | | | | 4 | |
| t | Coal conduit size | | | | | 24 | in |
| u | Coal conduit material (ASTM) | | | A53 | | | |
| 26 | **Feeders:** | | | | | | |
| a | Quantity per pulverizer | | | | | | |
| b | Manufacturer | | Stock Equipment Company | | | | |
| c | Model | | EG Series | | | | |
| d | Type | | Gravimetric | | | | |
| e | Capacity (each) Maximum | | | | | 154,000 | lb/hr |
| f | Type of Control | | Microprocessor Control Based | | | | |
| g | Inlet valve manufacturer | | Stock Equipment Company | | | | |
| h | Inlet valve size | | | | | 36 | in |
| i | Feeder inlet valve material | | | 304 SS | | | |
| j | Size of pipe from feeder to mill | | | | | 18 | in |
| k | Material of pipe from feeder to | | | 304 SS | | | |
| l | Size of pipe from silo to feeder | | | | | 24 | in |
| m | Material of pipe from silo to | | | 304 SS | | | |
| n | Feeder offset - centerline feeder | | | | | ~ 7 | ft |
| o | Special tools required | | As noted in Quotation | | | | |
| 27 | **Air Ducts - Between FD fan, air heater, and windbox** | | | | | | |
| a | Material (ASTM) | | | Carbon steel | | | |
| b | Plate thickness | | | | | 3/16 | in |
| c | Design pressure | | | | | +12 /-8 & +8/-10 | in H2O |
| d | Preliminary Size | | | | | various-later | |
| e | Velocity | | | | Cold/Hot | 2500 / 4000 | fpm |
| 28 | **Ducts - pulverizer system (primary air, tempering air, and seal air)** | | | | | | |
| a | Material (ASTM) | | | Carbon steel | | | |
| b | Plate thickness | | | | | 3/16 | in |
| c | Design pressure | | | | | +33 /-21&+31/-21 | in H2O |
| d | Preliminary Size | | | | | various-later | |
| e | Velocity | | | | Cold/Hot | 2500 / 4000 | fpm |
| 29 | **Ducts - flue gas** | | | | | | |
| a | Material | | | Carbon steel | | | |
| b | Plate | | | | | 1/4 | in |
| c | Design pressure | | | | | +21/-21 | in H2O |
| d | Preliminary Size | | | | | various - later | |
| e | Velocity | | | | | 3600 | fpm |

# Steam Generator Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
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| | | | |
|---|---|---|---|
| 30 | **Ducts - General Information** | | |
| a | Details of Stiffeners | Int. stiffeners SA-387 Gr.11 or 12; int. pipe supp. 335 P11; thickness compliant with specification | |
| b | Details of Expansion Joints | Metal on windbox/boiler connection & econ.gas out; Fabric in all other locations | |
| c | Details of Dampers | See P&ID's | |
| 31 | **Air Heaters** | | |
| a | Quantity | 2 | |
| b | Manufacturer | APCO-ALSTOM | |
| c | Model | 32.0 - VI - 84 ( 96" Casing ) MR Trisector - DENOx | |
| d | Type | Tri-sector with Enameled Cold End Element for a SCR | |
| e | Rotor speed | 1.2 | rpm |
| f | Brake HP required at MCR/NP, each air heater | 30 | hp |
| g | Design air leakage at MCR/NP | 350,000 | lb/hr |
| h | Design minimum metal temperature at 60% | 185 | Deg F |
| i | Air motor auxiliary drive type | Low & High Speed | |
| j | Air motor requirements | 230 / 90 | scfm / psig |
| k | Air motor clutch type | Overrunning Clutch | |
| l | Total surface (within each air heater) Effective | Later | ft2 |
| m | Hot end material (ASTM) | CORTEN Steel Plate | |
| n | Intermediate area material (ASTM) | N/A | |
| o | Cold end material (ASTM) | Steel Plate, Enamel Coated | |
| p | Hot end coating | N/A | |
| q | Intermediate area coating | N/A | |
| r | Cold end coating | Enamel | |
| 32 | **Air preheating coils** | | |
| a | Quantity | 2 | |
| b | Manufacturer | AEROFIN/ UNIFIN or Equal | |
| c | Model | PDRP | |
| d | Type | Finned Tubes | |
| e | Size | 300" X 162" X 34" | |
| f | Steam requirements - startup | | |
| (1) | Capacity | 37,000 | lb/hr |
| (2) | Pressure | 50 | psig |
| (3) | Temperature | 298 | Deg F |
| g | Steam requirements - normal operation (Control Load) | | |
| (1) | Capacity | 40,266 | lb/hr |
| (2) | Pressure | 82 | psig |
| (3) | Temperature | 723 | Deg F |
| (4) | Steam side pressure drop | 10 | psi |
| h | Pressure drop across coils (air side at MCR/NP) | 1 | in w.g. |
| i | Tubes - diameter and spacing | 1 O. D. | in |
| j | Materials (ASME/ASTM No.) | Frame: Hot Rolled Steel; Core Casing: Fabricated Carbon Steel | |
| 33 | **Sootblowers- furnace wall blowers** | | |
| a | Quantity | 32 | |
| b | Manufacturer | Diamond Specialty or Equal | |
| c | Model | IR - 3 | |
| d | Type | Rotary Wall Blower | |
| e | Nozzle size | later | in |
| f | Quantity of nozzles | 1 | |
| g | Locations | 4 Walls | |
| h | Element blowing arc | 360 | degrees |
| i | Rate of rotation | 3 | r/min |
| j | Rate of translation | NA | ft/min |
| k | Required steam pressure | 250 | psig |
| l | Required steam temperature | 530 | Deg F |
| m | Maximum quantity of steam use per blower | 8,000 | lb/hr |
| n | Description of system equipment including instruments | later | |

# Steam Generator Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
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| | | | | |
|---|---|---|---|---|
| 34 | **Sootblowers- long retracts** | | | |
| a | Quantity | | 22 | |
| b | Manufacturer | | Diamond Specialty or Equal | |
| c | Model | | IK - 4 M | |
| d | Type | | Long retractable | |
| e | Nozzle size | | later | in |
| f | Quantity of nozzles | | later | |
| g | Locations | | SH/RH Cavity | |
| h | Element blowing arc | | N/A | degrees |
| i | Rate of rotation | | 4" Helix | |
| j | Rate of translation | | 10 | ft/min |
| k | Required steam pressure | | 250 | psig |
| l | Required steam temperature | | 530 | Deg F |
| m | Maximum quantity of steam | per blower | 4,500 to 15,000 | lb/hr |
| n | Description of system equipment including instruments | | later | |
| 35 | **Sootblowers- half retracts** | | | |
| a | Quantity | | 14 | |
| b | Manufacturer | | Diamond Specialty or Equal | |
| c | Model | | IK - 4 M | |
| d | Type | | Half Retractable | |
| e | Nozzle size | | later | in |
| f | Quantity of nozzles | | later | |
| g | Locations | | RH/Econ Cavity | |
| h | Element blowing arc | | N/A | degrees |
| i | Rate of rotation | | 4" | Helix |
| j | Rate of translation | | 10 | ft/min |
| k | Required steam pressure | | 250 | psig |
| l | Required steam temperature | | 530 | Deg F |
| m | Maximum quantity of steam use per blower | | 3,000 to 10,000 | lb/hr |
| n | Description of system equipment including instruments | | later | |
| 36 | **Sootblowers- air heaters** | | | |
| a | Quantity | | 1 per AH | |
| b | Manufacturer | | Diamond Specialty or Equal | |
| c | Model | | IK - 1M - AH | |
| d | Type | | Part Retractable - multi-nozzle | |
| e | Nozzle size | | | in |
| f | Quantity of nozzles | | later | |
| g | Locations | | Cold End | |
| h | Element blowing arc | | N/A | degrees |
| i | Rate of rotation | | N/A | r/min |
| j | Rate of translation | | 1/8 - 1/2 | ft/min |
| k | Required steam pressure | | 250 | psig |
| l | Required steam temperature | | 745 | Deg F |
| m | Maximum quantity of steam use per blower | | later | lb/hr |
| n | Description of system equipment including instruments | | later | |

# Steam Generator Data Sheet

| | | | | | |
|---|---|---|---|---|---|
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| | | | |
|---|---|---|---|
| 37 | **Sootblowers-SCR-Sonic Bl'wrs - see SCR data** | | |
| a | Manufacturer | | |
| b | Model Number | | |
| c | Number of sonic horns per catalyst layer | 4 | number |
| d | Total number of sonic horns for each reactor | 12 | number |
| e | Recommended operating duration per blast | 10 | seconds |
| f | Recommended interval per blasts | 10 | minutes |
| g | Recommended number of horns operating simultaneously per reactor | 2 | number |
| h | Air consumption required during operation per horn | 120-160 | scfm |
| i | Air pressure required at horn | 70-90 | psig |
| j | Air temperature required at horn | ambient | deg. F |
| k | Total length of horn | 91.6 | in. |
| l | Weigh of each horn | 114 | lbs. |
| m | Horn outlet diameter | 16 | in. |
| n | Fundamental frequency | 75 | hz. |
| o | Output power level | 147 | dB |
| p | Design temperature | 800 | deg. F |
| q | Body materials | cast iron | ASTM |
| 38 | **Sootblowers- combination of all except SCR Sonic Horns** | | |
| a | Maximum quantity of steam per sootblower cycle | 32,000 | lb/hr |
| b | Expected number of sootblower cycles per 24 hours | 2 | |
| 39 | **Furnace Gas Temperature Measurement** | | |
| a | Furnace Gas Temperature | | |
| (1) | Quantity | 2 | |
| (2) | Manufacturer | Diamond Specialty or Equal | |
| (3) | Model | Optical Pyrometer | |
| (4) | Type | later | |
| b | Acoustical Pyrometer | | |
| (1) | Quantity | 1 System | |
| (2) | Manufacturer | Scientific Engineering Instruments | |
| (3) | Model | BoilerWatch | |
| (4) | Type | later | |
| (5) | Quantity of transceivers | 8 | |

# Steam Generator Data Sheet

| | | | |
|---|---|---|---|
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| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 |

| | | | |
|---|---|---|---|
| 40 | **Recirculation Circulation Pump** | | |
| a | Quantity | 1 | |
| b | Manufacturer | Later | |
| c | Model | Later | |
| d | Type | Later | |
| e | Capacity each | 5,850 | gpm |
| f | TDH | Later | ft |
| g | Suction pressure | Later | psig |
| h | Suction temperature | Later | deg F |
| i | NPSH required | Later | ft |
| j | NPSH available | Later | ft |
| k | Efficiency | Later | % |
| l | Brake horsepower | Later | hp |
| m | Motor horsepower | Later | hp |
| n | Pump materials of construction | Later | |
| o | Duration of time that full load can be maintained with one pump out of service | N/A | hrs |
| p | Maximum load at which continuous operation can be maintained with one pump out of service | N/A | % of full load |
| q | Pump discharge valve(s) | | |
| (1) | Quantity | 1 | |
| (2) | Manufacturer | Later | |
| (3) | Model | Later | |
| (4) | Type | Later | |
| (5) | Size ( Nominal Pipe Size ) | Later | in |
| (6) | Pressure rating | Later | psig |
| (7) | Materials | Later | |
| r | Pump suction valve(s) | | |
| (1) | Quantity | 1 | |
| (2) | Manufacturer | Later | |
| (3) | Model | Later | |
| (4) | Type | Later | |
| (5) | Size | Later | in |
| (6) | Pressure rating | Later | psig |
| (7) | Materials | Later | |
| 42 | **Atmospheric Drain Flash Tank** | | |
| a | Tank design pressure | est. 100 | psig |
| b | Tank diameter (preliminary) | 130 | in. |
| c | Tank height (preliminary) | 325 | in. |
| d | Tank Material | A516-Gr.70 | ASTM |
| e | Liner material | N/A | ASTM |
| f | Liner thickness | N/A | in. |
| g | Impingement plate material | N/A | ASTM |
| h | Impingement plate thickness | N/A | in. |
| 42 | **Start-up Separator Drain Storage Tank (integral with separators)** | | |
| a | Tank design pressure | | psig |
| b | Tank diameter | | in. |
| c | Tank height | | in. |
| d | Tank Material | | ASTM |
| e | Liner material | | ASTM |
| f | Liner thickness | | in. |
| g | Impingement plate material (if applicable) | | ASTM |
| h | Impingement plate thickness (if applicable) | | in. |
| 43 | **Separator(s)** | | |
| a | Separator design pressure | 4320 | psig |
| b | Separator design temperature | 850 | deg. F |
| c | Separator diameter | 32 | in. |
| d | Separator height | 827 | in. |
| e | Separator Material | Later | ASTM |

## Steam Generator Data Sheet

| | | | | | | |
|---|---|---|---|---|---|---|
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| | | | | |
|---|---|---|---|---|
| 44 | **Seal air system (for pulverizers and feeders)** | | | |
| a | Seal air blowers: | | | |
| (1) | Quantity | | 2 (100%) | |
| (2) | Manufacturer | Robinson Industries | | |
| (3) | Model | 36.5 PE-BI-24 A.75 | | |
| (4) | Type | centrifugal | | |
| (5) | Size | | 36.5 | in |
| (6) | Inlet volume (Rated at 80 deg. F) | | 24,000 | cfm |
| (7) | Discharge static pressure | | 18.4 | in H2O |
| (8) | Brake horsepower | | 88 | hp |
| (9) | Motor horsepower | | 125 | hp |
| b | Total seal air required | | 81,240 | lb/hr |
| c | Source of seal air if no blowers are provided | From PA Fan discharge | | |
| d | Seal air filters: | | | |
| (1) | Quantity | | 1 | |
| (2) | Manufacturer | | | |
| (3) | Description | Mechanical Filter- Dynavane Type | | |
| 45 | **Aspirating air system** | | | |
| a | Total quantity aspirating air required | | N/A | scfm |
| b | Supply pressure required | | N/A | psig |
| c | Other requirements | | | |
| 46 | **Scanner cooling fans** | | | |
| a | Quantity | | 2 (100%) | |
| b | Manufacturer | Robinson Industries | | |
| c | Model | SB-E | | |
| d | Type | centrifugal | | |
| e | Size | | 224 | in |
| f | Inlet volume | | 1,400 | scfm |
| g | Discharge | | 9 | in H2O |
| h | Brake horsepower | | 2.7 | hp |
| i | Motor horsepower | | 5 | hp |
| 47 | **Tertiary air fans** | | | |
| a | Quantity | | N/A | |
| b | Manufacturer | | | |
| c | Model | | | |
| d | Type | | | |
| e | Size | | | in |
| f | Inlet volume | | | acfm |
| g | Discharge static pressure | | | in H2O |
| h | Brake horsepower | | | hp |
| i | Motor horsepower | | | hp |

# Steam Generator Data Sheet

| | | | | | |
|---|---|---|---|---|---|
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| | | | | |
|---|---|---|---|---|
| 48 | **Weights** | | | |
| a | Steam generator: | | | |
| (1) | Empty - including air heaters | | later | lb |
| (2) | Empty - excluding air heaters | | later | lb |
| (3) | With water for hydrostatic test | | later | lb |
| (4) | Hydrostatic test - water only | | later | lb |
| (5) | Operating with water at normal level | | later | lb |
| (6) | Flooded | | later | lb |
| b | Economizer | preliminary | 2,226,155 | lb |
| c | Separator(s) (+ Stor.Tank) | preliminary | 143,000 | lb |
| d | Waterwalls | preliminary | 1,173,000 | lb |
| | Superheater - Steam Cooled Roof & Backpass | preliminary | 765,830 | lb |
| e | Superheater - radiant | preliminary | 634,308 | lb |
| f | Superheater - convection | preliminary | 1,002,159 | lb |
| g | Reheater - radiant | preliminary | 384,007 | lb |
| h | Reheater - convection | preliminary | 1,580,950 | lb |
| i | Air heater | preliminary | | lb |
| j | Air preheating coils | preliminary | 5,000 | lb |
| k | Pulverizer including gear drive (including Motor | preliminary | 247,000 | lb |
| l | Burner assemblies | preliminary | | lb |
| m | Feeders ( each ) | preliminary | 8,157 | lb |
| n | Controlled circulation pumps | preliminary | | lb |
| o | Scanner cooling air fan skid | preliminary | ~155 | lb |
| p | Seal air fan skid | preliminary | ~3,000 | lb |
| q | Tertiary air fan skid | preliminary | 0 | lb |
| r | Continuous blowdown tank (HP flash tank) | preliminary | N/A | lb |
| s | Intermittent blowdown tank (atmospheric | preliminary | N/A | lb |
| 49- | **Platforms** | | | |
| a | Steam Generator & SCR | | | |
| (1) | Quantity of platform included with grating | | 112,000 | sq. ft. |
| (2) | Quantity of platform included with checkered plate | | 14,000 | sq. ft. |
| b | Pulverizers: | | | |
| (1) | Quantity of platform at each pulverizer with grating | | included above | sq. ft. |

# Steam Generator Data Sheet

| | | | | | |
|---|---|---|---|---|---|
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## Preliminary Fan Data

## To be completed by Contractor

One copy shall be returned for each fan type provided.

| | **FAN DESIGNATION - PRIMARY AIR FAN - assumed same as Cross 3/4** | | |
|---|---|---|---|
| 1 | Type | DWDI Centrifugal | |
| 2 | Quantity | 2 | |
| 3 | Motor Horsepower | ~1750 | hp |
| 4 | Performance at MCR/NP | | |
| a | Mass Flow | 493,400 | lb/hr |
| b | Inlet Volume | 112,798 | acfm |
| c | Discharge static pressure | 35.02 | in H2O |
| d | Discharge total pressure | 35.4 | in H2O |
| e | Fan Static Pressure (accessory losses included) | 35.36 | in H2O |
| f | Fan Total Pressure (accessory losses included) | 36.3 | in H2O |
| g | Inlet Temperature | 80 | Deg F |
| h | Brake horsepower required | 1024 | hp |
| i | Fan Static Efficiency | ~63 | % |
| j | Fan Total Efficiency | ~65 | % |
| k | Inlet Pressure (static) | -0.34 | in H2O |
| l | Inlet Pressure (total) | -0.9 | in H2O |
| m | Speed | 1,780 | rpm |
| n | Inlet density | 0.073 | lb/acf |
| o | Temperature Rise through the fan | 13 | Deg F |
| 5 | Performance at MCR/OP | | |
| a | Mass Flow | 562,850 | lb/hr |
| b | Inlet Volume | 128,676 | acfm |
| c | Discharge static pressure | 33.89 | in H2O |
| d | Discharge total pressure | 34.39 | in H2O |
| e | Fan Static Pressure (accessory losses included) | 34.34 | in H2O |
| f | Fan Total Pressure (accessory losses included) | 35.58 | in H2O |
| g | Inlet Temperature | 80 | Deg F |
| h | Brake horsepower required | 1100 | hp |
| i | Fan Static Efficiency | ~67 | % |
| j | Fan Total Efficiency | ~70 | % |
| k | Inlet Pressure (static) | -0.45 | in H2O |
| l | Inlet Pressure (total) | -1.19 | in H2O |
| m | Speed | 1,780 | rpm |
| n | Inlet density | 0.073 | lb/acf |
| o | Temperature Rise through the fan | 13 | Deg F |
| 6 | Test Block | | |
| a | Mass Flow | 797,031 | lb/hr |
| b | Inlet Volume | 190,649 | acfm |
| c | Discharge static pressure | 48.01 | in H2O |
| d | Discharge total pressure | 49.13 | in H2O |
| e | Fan Static Pressure (accessory losses included) | 49.01 | in H2O |
| f | Fan Total Pressure (accessory losses included) | 51.76 | in H2O |
| g | Inlet Temperature | 105 | Deg F |
| h | Brake horsepower required | 1,740 | hp |
| i | Fan Static Efficiency | ~ 86 | % |
| j | Fan Total Efficiency | ~ 90 | % |
| k | Inlet Pressure (static) | -1.00 | in H2O |
| l | Inlet Pressure (total) | -2.63 | in H2O |
| m | Speed | 1,780 | rpm |
| n | Inlet Density | 0.0696 | lb/acf |
| o | Temperature Rise through the fan | 13 | Deg F |
| 7 | Speed | 1,780 | rpm |
| 8 | First critical speed | 2314 | rpm |
| a | Blade Tip Speed | 29,371 | ft/min |
| 9 | Design resonant speed | 2047 | rpm |

# Steam Generator Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **PROJECT:** | PEE DEE Unit 1 | | | **DS NO:** | PEDE-1-DS-161101-0001 | | |
| **CUSTOMER:** | Santee Cooper | | | **DESC:** | Steam Generator And Accessories, Technical Datasheets | | |
| **PLANT LOC:** | Pamplico, SC | | | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 10 | Vibration Criteria | | | | | | |
| a | Normal allowable | | | | | 1 | mils |
| b | Alarm | | | | | 2.5 | mils |
| 11 | Maximum Stress in rotor | | | | | 66 | % of yield |
| 12 | Construction Data | | | | | | |
| a | Manufacturer | | Howden. TLT-Babcock, or equal | | | | |
| b | Model | | Later | | | | |
| c | Impeller diameter (proposed) | | | | | 63.03 | in |
| d | Impeller diameter (maximum) | | | | | 66.25 | in |
| e | Blades | | | | | | |
| | Type | | Airfoil | | | | |
| | Number | | | | | 11 x 2 | |
| | Material (ASTM) | | ASTM A514 | | | | |
| | Thickness | | | | | 0.1875 | in |
| f | Centerplate | | | | | | |
| | Material (ASTM) | | ASTM A514 | | | | |
| | Thickness | | | | | 0.625 | in |
| g | Shroud | | | | | | |
| | Material (ASTM) | | ASTM A514 | | | | |
| | Thickness | | | | | 0.25 | in |
| h | Wear | | | | | | |
| | Material (ASTM) | | N/A | | | | |
| | Thickness | | | | | | in |
| | Description | | | | | | |
| | Locations | | | | | | |
| i | Shaft | | | | | | |
| | Material (ASTM) | | ASTM A 688 | | | | |
| | Diameter at center of rotor | | | | | 10.375 | in |
| | Diameter at Bearings | | | | | 4.4375 | in |
| | Diameter at Coupling | | | | | 4.411 | in |
| j | Hub | | | | | | |
| | Material | | ASTM A 688 | | | | |
| | Thicknes | | | | | N/A | in |
| | Method | | Integral with maon shaft | | | | |
| | Method | | Body bound bolts | | | | |
| k | Housing | | | | | | |
| | Material (ASTM) | | ASTM A 36 | | | | |
| | Thickness | | | | | 0.375 | in |
| | Liners | | | | | N/A | in |
| l | Bearings | | | | | | |
| | Manufacturer | | Dodge | | | | |
| | Type | | Sleeve,RTL | | | | |
| | Model | | RTL | | | | |
| | Diameter | | | | | 4.4375 | in |
| | Sleeve Material (ASTM) | | Babbit | | | | |
| | Lubrication | | Oil Ring | | | | |
| | Cooling | | Oil/Water | | | | |
| | Cooling System | | Lube Power or Equal | | | | |
| | Bearing thermocouple type | | RTD | | | | |
| | Vibration monitoring | | Yes, (Bently Nevada 3500 ) | | | | |
| m | Coupling | | | | | | |
| | Manufacturer | | Renold or Equal | | | | |
| | Type | | Gear | | | | |
| | Model | | O- Ring - Seal | | | | |
| | Size | | | | | 3.5 | in |
| n | Bearing | | | | | | |
| | Material (ASTM) | | ASTM A 36 | | | | |
| | Thickness | | | | | N/A | in |
| | | | | | | | |

|  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|
| **Steam Generator Data Sheet** |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |
| o | Variable Inlet Vanes |  |  |  |  |  |  |
|  | Number of Vanes each inlet |  |  |  |  | Later |  |
|  | Bearing type |  | Gdodge LT or Equal |  |  |  |  |
|  | Bearing Location |  | Permanent |  |  |  |  |
|  | Torque |  |  |  |  | 1311 | lb-ft |
|  | Travel time from fully open position to fully closed position |  |  |  |  | < or = 40 | seconds |
|  | Travel time from fully closed position to fully open position |  |  |  |  | < or = 40 | seconds |
| p | VIV Actuator |  |  |  |  |  |  |
|  | Manufacturer |  | BECK |  |  |  |  |
|  | Type |  | Electric |  |  |  |  |
|  | Model |  | 11-408 |  |  |  |  |
|  | Torque Capability |  |  |  |  |  | lb-ft |
| q | Shaft Seals through Housing |  |  |  |  |  |  |
|  | Material (ASTM) |  | Later |  |  |  |  |
|  | Thickness |  |  |  |  | Later | in |
|  | Description |  | Garlock |  |  |  |  |
|  | Method of attachment |  | Insert to Seal Housing |  |  |  |  |
|  | Method of adjustment |  | Later |  |  |  |  |
| r | Fan total weight (excluding Silencer and rain |  |  |  |  | 21,000 | lb |
| s | Weight of impeller and shaft |  |  |  |  | 1,745 & 2488 | lb |
| t | WR2 of impeller and shaft |  |  |  |  | 7585 | lb-ft2 |
| u | Allowable temperature rate of rise |  |  |  |  | 15 | F/sec |
| v | Starting Torque Required Z( with inlets closed) |  |  |  |  | 1772 | lb-ft |
| w | Rotor Temperature Limit (continuous operation) |  |  |  |  | 150 | Deg F |
| x | Rotor Temperature Limit (transient upset) |  |  |  |  | 150 | Deg F |
| 13 | Flow Control and Isolating Damper |  |  |  |  |  |  |
| a | Service |  | Control / Isolation |  |  |  |  |
| b | Type |  | Inlet Vane - Internal Conical / Outlet Damper - Louver |  |  |  |  |
| c | Torque ( For outlet lover damper) |  |  |  |  | 3000 | lb-ft |
| d | Actuator |  | For outlet louver damper Beck 11 - 438 |  |  |  |  |
| 14 | Performance Curve attached |  |  |  |  | (Yes/No) | Yes |
| 15 | General Arrangement Drawing attached (preliminary Sketch) |  |  |  |  | (Yes/No) | Yes |

# Steam Generator Data Sheet

| | | | | |
|---|---|---|---|---|
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| **CUSTOMER:** | Santee Cooper | | **DESC:** | Steam Generator And Accessories, Technical Datasheets |
| **PLANT LOC:** | Pamplico, SC | | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | |

**General**

| | Design Conditions | MCR/OP | MCR/NP | Minimum Control Load | Units |
|---|---|---|---|---|---|
| 1 | Main Steam Flow | 4,629,150 | 4,390,320 | 2,634,192 | lb/hr |
| 3 | Pressure at Superheater Outlet | 3790 | 3600 | 2,576 | psig |
| 4 | SH Outlet Temperature | 1055 | 1055 | 1,055 | Deg F |
| 5 | Reheater Steam Flow | 3,517,640 | 3,356,510 | 2,109,775 | lb/hr |
| 6 | Pressure at Reheater Inlet | 866 | 826 | 513 | psig |
| 7 | Temperature at Reheater Inlet | 653 | 655 | 643 | Deg F |
| 8 | Temperature at Reheater Outlet | 1105 | 1105 | 1105 | Deg F |
| 9 | Feedwater Inlet Temp to Economizer | 585 | 580 | 523 | Deg F |
| 10 | Excess Air at Economizer Outlet | 20% | 20% | 30% | % |
| 11 | Minimum Air Temperature at FD Fan Inlet | 10 | 10 | 10 | Deg F |
| 12 | Minimum Gas Exit Temperature from Air Heater - Uncorrected for Leakage | 262 | 254 | 234 | Deg F |
| 13 | Air Heater Minimum Average Cold End Temperature - Uncorrected for Leakage | 253 | 245 | 224 | Deg F |
| 14 | NOx Emission at Air Heater Outlet | <0.060 | <0.060 | <0.060 | lb/10^6 BTU |
| 15 | $SO_2$-$SO_3$ Conversion in furnace | <1 | <1 | <1 | % |
| 16 | Ammonia Slip | <2.0 | <2.0 | <2.0 | ppmvd |
| 17 | Steam Generator Location | Outdoor | | | |
| 18 | Min Temperature at Exit of steam coil air heater | 80 | 80 | 80 | Deg F |
| 19 | Basis for performance testing (ambient air) | 29.92 in. Hg., 80F, 60%RH | | | |
| 20 | No. of Pulverizers in Operation | 5 | 5 | 4 | |
| 21 | Control Range for superheater and reheater | 60-100% of MCR/NP | | | % |
| 22 | Maximum Unburned Combustible in Flyash | 5 | 5 | 5 | % |
| 23 | Maximum Ammonia Concentration in Flyash | 75 | 75 | 75 | ppm |
| 24 | Air Heater minimum free distance under flange | 6 | 6 | 6 | ft |
| 25 | Warm-up burner fuel supply | No. 2 fuel oil | No. 2 fuel oil | No. 2 fuel oil | |
| 26 | Ignitor fuel supply | spark | spark | spark | |
| 27 | Size of Coal to Feeders | | | | |

**Furnace and Convection Passes**

| | Design Conditions | Data | Units |
|---|---|---|---|
| 1 | Average Temperature of Gas Entering Radiant Superheater (Furnace Exit Gas Temp.) | Proprietary | Deg F |
| 2 | Average Temperature of Gas Entering Convection Pass | 1744 | Deg F |
| 3 | Area Heat Release Rate | 66,300 | Btu/ft2/hr |
| 4 | Furnace Volume Heat Release Rate | 9,310 | Btu/ft3/hr |
| 5 | Furnace Plan Heat Release Rate | 1,620,000 | Btu/ft2/hr |
| 6 | Clearance between lowest headers and steam generator room floor | 30 | ft |
| 7 | Minimum Distance between bottom hopper throat and steam generator floor | 32.5 | ft |
| 8 | Furnace ash discharge throat - minimum width | 48 | in |
| 9 | Minimum vertical distance between top row burners and bottom of pendant superheater | 65 | ft |

**Reheater**

| | Design Conditions | Data | Units |
|---|---|---|---|
| 1 | Reheater Pressure Drop at MCR/NP | 30 Maximum | psi |
| 2 | Reheater Design Pressure | 1000 | psig |
| 3 | Lowest Setting Pressure of Reheater Inlet Safety Valves | later | psig |
| 4 | Highest Setting Pressure of Reheater Inlet Safety Valves | later | psig |
| 5 | Setting Pressure of Reheater Outlet Safety Valve | later | psig |

**Economizer,**

| | Design Conditions | Data | Units |
|---|---|---|---|
| 1 | Economizer minimum clear space, tube-to-tube | 2 | in |
| 2 | Economizer minimum free space under the flange | 15 | ft |
| 3 | Superheater and reheater horizontal section minimum clear tube spacing | 2.5 | in |

# Steam Generator Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
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| **CUSTOMER:** | Santee Cooper | | | **DESC:** | Steam Generator And Accessories, Technical Datasheets | | |
| **PLANT LOC:** | Pamplico, SC | | | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | **Air Preheating Coils - Steam** | | | | | | |
| | Steam From Turbine Extraction | | Pressure | | Temperature | | |
| 1 | later | million lbs/hr | later | psig | later | Deg F | |
| 2 | later | million lbs/hr | later | psig | later | Deg F | |
| 3 | later | million lbs/hr | later | psig | later | Deg F | |
| 4 | later | million lbs/hr | later | psig | later | Deg F | |
| 5 | later | million lbs/hr | later | psig | later | Deg F | |
| 6 | later | million lbs/hr | later | psig | later | Deg F | |
| | **Pulverizers** | | | | | | |
| | Design Conditions | | | | | | Units |
| 1 | Minimum height between silo flange and feeder floor | | | | | By W-P | ft |
| | **Primary air fan and pulverizer motors** | | | | | | |
| 1 | Location | | Outdoors | | | | |
| 2 | Motor Enclosure Type | | Weather Protected, Type II | | | | |
| 3 | Motor Insulation Class | | F B Temperature Rise | | | | |
| 4 | Paint Color | | ANSI 61 | | | | |
| | **System Description** | | | | | | |
| 1 | Description of system which provides oxidizing conditions at the furnace walls | | | | | | |

|  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|
| **Steam Generator Data Sheet** |  |  |  |  |  |  |  |
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| **PLANT LOC:** | Pamplico, SC |  |  | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **To be completed by Contractor** |  |  |  |  |  |  |  |
|  | **Steam Generator Design** |  |  |  |  |  |  |
| 1 | **Manufacturer** |  | ALSTOM POWER |  |  |  |  |
| 2 | **Type** |  | Vertical Wall SPSC |  |  |  |  |
| 3 | **Furnace(s):** |  |  |  |  |  |  |
| a | Quantity of furnaces |  |  |  |  | 1 / unit |  |
| b | Width and depth of each |  |  |  |  | 59.72 x 59.72 | ft |
| c | Furnace height |  |  |  |  | 206.94 | ft |
| d | Design pressure |  |  |  |  | minus 35/ + 35 | in H2O |
| e | Furnace Volume (Total Pressure Parts) |  |  |  |  | 619,235 | ft3 |
| 4 | **Surface Areas:** |  |  |  |  |  |  |
| a | Economizer |  |  |  |  | 199,839 | ft2 |
| b | Boiler - Bank |  |  |  |  | NA | ft2 |
| c | Waterwalls (including hgr & screeen) |  |  |  |  | 48,500 | ft2 |
| d | Superheater - radiant |  |  |  |  | 37,231 | ft2 |
| e | Superheater - convection |  |  |  |  | 73,844 | ft2 |
| f | Reheater - radiant |  |  |  |  | 24,904 | ft2 |
| g | Reheater - convection |  |  |  |  | 203,737 | ft2 |
| 5 | **Tubes/Piping - Material:** |  |  | ASME/ASTM No. |  | Max. Allow. Outside Surface Temperature, °F |  |
| a | Furnace - waterwall - outer |  |  | SA 213 T23 | SA 213 T13 | 1025/1100 |  |
| b | Furnace - waterwall - division |  |  | N/A |  |  |  |
| c | Superheater - radiant - **Panels** |  |  | SA 213 T12 & 213 T22 |  | 1025 & 1100 |  |
| d | Superheater - convection - |  |  | SA 213- T91, TP304H |  | 1200, 1400 |  |
| e | Superheater - convection - |  |  | N/A |  |  |  |
| f | Reheater - radiant - wall |  |  | N/A |  |  |  |
| g | Reheater - radiant - platen |  |  | SA 213-T22, T91,TP304H,TP347H |  | 1100, 1200, 1400, 1400 |  |
| h | Reheater - convection - vertical leg & pendant |  |  | SA 213- T91 |  | 1200 |  |
| i | Reheater - convection - horizontal |  |  | SA 213 T12 & 213 T22 |  | 1025 & 1100 |  |
| j | Economizer |  |  | SA 210C |  | 850 |  |
| k | Superheater - radiant - platen |  |  | SA 213- T12, T22, T91 |  | 1025, 1100, 1200 |  |
| l | Downcomers | (StartupSys) |  | SA-213-P12 | SA-106C | 1025/800 |  |
| m | Steam coil air heaters |  |  | SA 214 C. S. |  | 850 |  |
| 6 | **Tubes - Diameter and Spacing:** |  |  |  |  |  |  |
| a | Furnace - waterwall - outer |  |  |  |  | 1.125 / 1.625 | in |
| b | Furnace - waterwall - division |  |  |  |  | NA | in |
| c | Superheater - radiant - Panels |  |  |  |  | 1.75 / 2.125 / 107 | in |
| d | Superheater - convection - pendant |  |  |  |  | 1.75 / 3.5 / 6.5 | in |
| e | Superheater - convection - horizontal |  |  |  |  | NA | in |
| f | Reheater - radiant - wall |  |  |  |  | NA | in |
| g | Reheater - radiant - platen |  |  |  |  | 2.5 / 2.875 / 13.0 | in |
| h | Reheater - convection - vertical leg & pendant |  |  |  |  | 2.5 / 5.0 / 6.0 | in |
| i | Reheater - convection - horizontal |  |  |  |  | 2.75 / 5.5 / 6.0 | in |
| j | Economizer |  |  |  |  | 2.0 / 4.0 / 4.0 | in |
| k | Superheater - radiant - platen |  |  |  |  | 1.75 / 2.125 / 35.75 | in |
| l | Downcomers |  |  |  |  | NA | in |
| m | Steam coil air heaters |  |  |  |  | 1 | in |
| 7 | **Superheater control method** |  | Desuperheating Spray |  |  |  |  |
| 8 | **Reheater control method** |  | Nozzle tilt/ Excess air |  |  |  |  |
| 9 | **Economizer:** |  |  |  |  |  |  |
| a | Design pressure |  |  |  |  | 4625 | psig |
| b | Design temperature |  |  |  |  | 755 | Deg F |
| 10 | **Superheater:** |  |  |  |  |  |  |
| a | Design pressure |  |  |  |  | 3995 | psig |
| b | Design temperature |  |  |  |  | Various | Deg F |
| c | Safety valve setpoint |  |  |  |  | Later | psig |
| 11 | **Reheater:** |  |  |  |  |  |  |
| a | Design pressure |  |  |  |  | 1000 | psig |
| b | Design temperature |  |  |  |  | Various | Deg F |
| c | Safety valve setpoint (cold reheat) |  |  |  |  | NA | psig |
| d | Safety valve setpoint (hot reheat) |  |  |  |  | Later | psig |

# Steam Generator Data Sheet

| | | | |
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| | | | | | |
|---|---|---|---|---|---|
| 12 | **Furnace projected areas:** | | | | |
| a | Waterwalls, including radiant superheater | | | 61,421 | ft2 |
| b | Platen superheater | | | 18,872 | ft2 |
| c | Furnace exit | | | 3,112 | ft2 |
| d | Total EPRS | | | 86,971 | ft2 |
| e | Plan area | | | 3,566 | ft2 |
| 13 | **Design factors - net heat release rates:** | | | | |
| a | Projected area | | | 66,298 | Btu/ft2/hr |
| b | Plan area | | | 1,620,000 | Btu/ft2/hr |
| c | Volume | | | 9,310 | Btu/ft3/hr |
| d | From fuel only | | | 8,864 | Btu/ft2/hr |
| 14 | **Recirculation Ratio ( for 2 Pumps)** | | | NA | |
| 15 | **Identification of non-membrane welded wall** | | | | |
| 16 | **The vertical clearance between centerline of top row of burners and the work point of the furnace arch (nose)** | | | 45.7 | ft |
| 17 | **The vertical distance between the centerline of the top row of burners and the bottom of any pendant superheater element in the furnace** | | | 65.0 | ft |
| 18 | **The vertical distance between the centerline of the bottom row of burners and the work point of the furnace hopper** | | | 16.0 | ft |
| 19 | **Clearance between lowest header and steam generator structure floor** | | | 30 | ft |
| 20 | **Provisions for headers to take bending moments and thrust from attached piping:** | | | | |
| a | Superheater outlet: | | | | |
| (1) | Mx | 100,000 | Preliminary | (Per connection) | **ft-lbf** |
| (2) | My | 100,000 | Preliminary | (Per connection) | **ft-lbf** |
| (3) | Mz | 100,000 | Preliminary | (Per connection) | **ft-lbf** |
| (4) | Fx | 12,000 | Preliminary | (Per connection) | **lbf** |
| (5) | Fy | 12,000 | Preliminary | (Per connection) | **lbf** |
| (6) | Fz | 12,000 | Preliminary | (Per connection) | **lbf** |
| b | Reheater inlet: | | | | |
| (1) | Mx | 70,000 | Preliminary | (Per connection) | **ft-lbf** |
| (2) | My | 70,000 | Preliminary | (Per connection) | **ft-lbf** |
| (3) | Mz | 70,000 | Preliminary | (Per connection) | **ft-lbf** |
| (4) | Fx | 16,000 | Preliminary | (Per connection) | **lbf** |
| (5) | Fy | 16,000 | Preliminary | (Per connection) | **lbf** |
| (6) | Fz | 16,000 | Preliminary | (Per connection) | **lbf** |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| c | Reheater outlet: | | | | |
| (1) | Mx | 70,000 | Preliminary | (Per connection) | **ft-lbf** |
| (2) | My | 70,000 | Preliminary | (Per connection) | **ft-lbf** |
| (3) | Mz | 70,000 | Preliminary | (Per connection) | **ft-lbf** |
| (4) | Fx | 16,000 | Preliminary | (Per connection) | **lbf** |
| (5) | Fy | 16,000 | Preliminary | (Per connection) | **lbf** |
| (6) | Fz | 16,000 | Preliminary | (Per connection) | **lbf** |
| d | Economizer inlet: | | | | |
| (1) | Mx | 80,000 | Preliminary | | **ft-lbf** |
| (2) | My | 80,000 | Preliminary | | **ft-lbf** |
| (3) | Mz | 80,000 | Preliminary | | **ft-lbf** |
| (4) | Fx | 20,000 | Preliminary | | **lbf** |
| (5) | Fy | 20,000 | Preliminary | | **lbf** |
| (6) | Fz | 20,000 | Preliminary | | **lbf** |

# Steam Generator Data Sheet

| | | | | | |
|---|---|---|---|---|---|
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| | | | |
|---|---|---|---|
| 21 | **Special tools required** | | |
| 22 | **Main Burners:** | | |
| a | Quantity | 24 | |
| b | Manufacturer | ALSTOM POWER | |
| c | Model | TFS-2000 | |
| d | Type | Ultra Low NOx - Tilting Tangential | |
| e | Quantity of burner nozzles per burner coal pipe | 1 | |
| f | Burner turn-down ratio | 2.5 / 1 | |
| g | Heat input per burner | 274.5 | MMBtu/hr |
| h | Total heat input | 5490 | mmBtu/hr |
| i | Number of burners required in service for full steam generator operating range | 20 | |
| j | Minimum number of burners in service at any time | 8 | |
| k | Burner tip material (ASTM) | RA 253 MA - similar to ASTM 310 SS | |
| l | Location of burners | 6 elevations - 4 corners of furnace | |
| 23 | **Warm-up burners (if required):** | | |
| a | Quantity | 12 | |
| b | Manufacturer | ALSTOM POWER | |
| c | Model | Later | |
| d | Type | Standard Capacity Oil Gun | |
| e | Heat input per burner | 137,200,000 | Btu/hr |
| f | Total heat input | 1647 | mmBtu/hr |
| g | Flow rate of #2 fuel oil per burner | 7,185 | lb/hr |
| h | | 35 | psig |
| i | Minimum oil pressure, at burner | 30 | psig |
| j | Maximum oil pressure, system | 250 | psig |
| k | Minimum oil temperature | 40 | Deg F |
| l | Recirculation system provided? | Yes, light oil return line provided. | Yes/No |
| m | Location of burners | 3 elevations - 4 corners of furnace | |
| n | Percent of full load oil burners can carry | 20 | % |
| 24 | **Ignitors:** | | |
| a | Quantity | 12 | |
| b | Manufacturer | ALSTOM POWER | |
| c | Model | Spark | |
| d | Type | High Energy Arc | |
| e | Heat input per ignitor | NA | Btu/hr |
| f | Total heat input | NA | mmBtu/hr |
| g | Flow rate of #2 fuel oil per ignitor | NA | lb/hr |
| h | Minimum oil pressure, system | NA | psig |
| i | Minimum oil pressure, at ignitor | NA | psig |
| j | Maximum oil pressure, system | NA | psig |
| k | Minimum oil temperature | NA | Deg F |
| l | Recirculation system required? | NA | Yes/No |
| m | Location of ignitors | 3 elevations - 4 corners of Furnace | |
| n | Percent of full load oil ignitors can carry | NA | % |

# Steam Generator Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **PROJECT:** | PEE DEE Unit 1 | | | **DS NO:** | PEDE-1-DS-161101-0001 | | |
| **CUSTOMER:** | Santee Cooper | | | **DESC:** | Steam Generator And Accessories, Technical Datasheets | | |
| **PLANT LOC:** | Pamplico, SC | | | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 25 | **Pulverizers:** | | | | | |
| a | Quantity | | | | 6 | |
| b | Manufacturer | ALSTOM POWER | | | | |
| c | Model | HP 1003 | | | | |
| d | Type | Vertical Spindle Mill | | | | |
| e | Capacity (each) Maximum | Nominal at | 70% through | 200 mesh | 125,740 | lb/hr |
| f | Pulverizer performance | (Performance coal) | | | | |
| g | Pulverizer in operation, capacity/power (each) | | | | 88574 / 586 | lb/hr/hp |
| h | Pulverizer brake horsepower **(maximum)** | | | | 763 | hp |
| i | Pulverizer motor horsepower | | | | 800 | hp |
| j | Suitable pulverizer response features are provided to maintain steam pressure under variable load operation within the limits of (±) | | | | + or - 100 | psi |
| k | Classifier type | Dynamic | | | | |
| l | Classifier brake horsepower | | | | 30 | hp |
| m | Classifier motor horsepower | | | | 40 | hp |
| n | Classifier drive type | Belt Driven with Variable Frequency Drive (VFD) | | | | |
| o | Mfr of no coal flow alarm | Later | | | | |
| p | Pulverizer turn-down ratio | | | | 3.33 / 1 | |
| q | Pulverizer grinding table speed | | | | ~36 | rpm |
| r | Special tools required | See PEDE-1-DV-161101-MISC-BOP-SYSTEMS-R1.PDF | | | | |
| s | Coal conduit quantity | | | | 4 | |
| t | Coal conduit size | | | | 24 | in |
| u | Coal conduit material (ASTM) | | A53 | | | |
| 26 | **Feeders:** | | | | | |
| a | Quantity per pulverizer | | | | | |
| b | Manufacturer | Stock Equipment Company | | | | |
| c | Model | EG Series | | | | |
| d | Type | Gravimetric | | | | |
| e | Capacity (each) Maximum | | | | 154,000 | lb/hr |
| f | Type of Control | Microprocessor Control Based | | | | |
| g | Inlet valve manufacturer | Stock Equipment Company | | | | |
| h | Inlet valve size | | | | 36 | in |
| i | Feeder inlet valve material | | 304 SS | | | |
| j | Size of pipe from feeder to mill | | | | 18 | in |
| k | Material of pipe from feeder to | | 304 SS | | | |
| l | Size of pipe from silo to feeder | | | | 24 | in |
| m | Material of pipe from silo to | | 304 SS | | | |
| n | Feeder offset - centerline feeder | | | | ~ 7 | ft |
| o | Special tools required | As noted in Quotation | | | | |
| 27 | **Air Ducts - Between FD fan, air heater, and windbox** | | | | | |
| a | Material (ASTM) | | Carbon steel | | | |
| b | Plate thickness | | | | 3/16 | in |
| c | Design pressure | | | | +12 /-8 & +8/-10 | in H2O |
| d | Preliminary Size | | | | various-later | |
| e | Velocity | | | Cold/Hot | 2500 / 4000 | fpm |
| 28 | **Ducts - pulverizer system (primary air, tempering air, and seal air)** | | | | | |
| a | Material (ASTM) | | Carbon steel | | | |
| b | Plate thickness | | | | 3/16 | in |
| c | Design pressure | | | | +33 /-21&+31/-21 | in H2O |
| d | Preliminary Size | | | | various-later | |
| e | Velocity | | | Cold/Hot | 2500 / 4000 | fpm |
| 29 | **Ducts - flue gas** | | | | | |
| a | Material | | Carbon steel | | | |
| b | Plate | | | | 1/4 | in |
| c | Design pressure | | | | +21/-21 | in H2O |
| d | Preliminary Size | | | | various - later | |
| e | Velocity | | | | 3600 | fpm |

# Steam Generator Data Sheet

| | | | | |
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| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | |

| | | | |
|---|---|---|---|
| 30 | **Ducts - General Information** | | |
| a | Details of Stiffeners | Int. stiffeners SA-387 Gr.11 or 12; int. pipe supp. 335 P11; thickness compliant with specification | |
| b | Details of Expansion Joints | Metal on windbox/boiler connection & econ.gas out; Fabric in all other locations | |
| c | Details of Dampers | See P&ID's | |
| 31 | **Air Heaters** | | |
| a | Quantity | 2 | |
| b | Manufacturer | APCO-ALSTOM | |
| c | Model | 32.0 - VI - 84 ( 96" Casing ) MR Trisector - DENOx | |
| d | Type | Tri-sector with Enameled Cold End Element for a SCR | |
| e | Rotor speed | 1.2 | rpm |
| f | Brake HP required at MCR/NP, each air heater | 30 | hp |
| g | Design air leakage at MCR/NP | 350,000 | lb/hr |
| h | Design minimum metal temperature at 60% | 185 | Deg F |
| i | Air motor auxiliary drive type | Low & High Speed | |
| j | Air motor requirements | 230 / 90 | scfm / psig |
| k | Air motor clutch type | Overrunning Clutch | |
| l | Total surface (within each air heater) Effective | Later | ft2 |
| m | Hot end material (ASTM) | CORTEN Steel Plate | |
| n | Intermediate area material (ASTM) | N/A | |
| o | Cold end material (ASTM) | Steel Plate, Enamel Coated | |
| p | Hot end coating | N/A | |
| q | Intermediate area coating | N/A | |
| r | Cold end coating | Enamel | |
| 32 | **Air preheating coils** | | |
| a | Quantity | 2 | |
| b | Manufacturer | AEROFIN/ UNIFIN or Equal | |
| c | Model | PDRP | |
| d | Type | Finned Tubes | |
| e | Size | 300" X 162" X 34" | |
| f | Steam requirements - startup | | |
| (1) | Capacity | 37,000 | lb/hr |
| (2) | Pressure | 50 | psig |
| (3) | Temperature | 298 | Deg F |
| g | Steam requirements - normal operation (Control Load) | | |
| (1) | Capacity | 40,266 | lb/hr |
| (2) | Pressure | 82 | psig |
| (3) | Temperature | 723 | Deg F |
| (4) | Steam side pressure drop | 10 | psi |
| h | Pressure drop across coils (air side at MCR/NP) | 1 | in w.g. |
| i | Tubes - diameter and spacing | 1 O. D. | in |
| j | Materials (ASME/ASTM No.) | Frame: Hot Rolled Steel; Core Casing: Fabricated Carbon Steel | |
| 33 | **Sootblowers- furnace wall blowers** | | |
| a | Quantity | 32 | |
| b | Manufacturer | Diamond Specialty or Equal | |
| c | Model | IR - 3 | |
| d | Type | Rotary Wall Blower | |
| e | Nozzle size | later | in |
| f | Quantity of nozzles | 1 | |
| g | Locations | 4 Walls | |
| h | Element blowing arc | 360 | degrees |
| i | Rate of rotation | 3 | r/min |
| j | Rate of translation | NA | ft/min |
| k | Required steam pressure | 250 | psig |
| l | Required steam temperature | 530 | Deg F |
| m | Maximum quantity of steam use per blower | 8,000 | lb/hr |
| n | Description of system equipment including instruments | later | |

# Steam Generator Data Sheet

| | | | | | | | |
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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 34 | **Sootblowers- long retracts** | | | | | | |
| a | Quantity | | | | | 22 | |
| b | Manufacturer | | Diamond Specialty or Equal | | | | |
| c | Model | | IK - 4 M | | | | |
| d | Type | | Long retractable | | | | |
| e | Nozzle size | | | | | later | in |
| f | Quantity of nozzles | | | | | later | |
| g | Locations | | | | | SH/RH Cavity | |
| h | Element blowing arc | | | | | N/A | degrees |
| i | Rate of rotation | | | | | 4" Helix | |
| j | Rate of translation | | | | | 10 | ft/min |
| k | Required steam pressure | | | | | 250 | psig |
| l | Required steam temperature | | | | | 530 | Deg F |
| m | Maximum quantity of steam | | per blower | | | 4,500 to 15,000 | lb/hr |
| n | Description of system equipment including instruments | | | later | | | |
| 35 | **Sootblowers- half retracts** | | | | | | |
| a | Quantity | | | | | 14 | |
| b | Manufacturer | | Diamond Specialty or Equal | | | | |
| c | Model | | IK - 4 M | | | | |
| d | Type | | Half Retractable | | | | |
| e | Nozzle size | | | | | later | in |
| f | Quantity of nozzles | | | | | later | |
| g | Locations | | | | | RH/Econ Cavity | |
| h | Element blowing arc | | | | | N/A | degrees |
| i | Rate of rotation | | | | | 4" | Helix |
| j | Rate of translation | | | | | 10 | ft/min |
| k | Required steam pressure | | | | | 250 | psig |
| l | Required steam temperature | | | | | 530 | Deg F |
| m | Maximum quantity of steam use per blower | | | | | 3,000 to 10,000 | lb/hr |
| n | Description of system equipment including instruments | | | later | | | |
| 36 | **Sootblowers- air heaters** | | | | | | |
| a | Quantity | | | | | 1 per AH | |
| b | Manufacturer | | Diamond Specialty or Equal | | | | |
| c | Model | | IK - 1M - AH | | | | |
| d | Type | | Part Retractable - multi-nozzle | | | | |
| e | Nozzle size | | | | | | in |
| f | Quantity of nozzles | | | | | later | |
| g | Locations | | | | | Cold End | |
| h | Element blowing arc | | | | | N/A | degrees |
| i | Rate of rotation | | | | | N/A | r/min |
| j | Rate of translation | | | | | 1/8 - 1/2 | ft/min |
| k | Required steam pressure | | | | | 250 | psig |
| l | Required steam temperature | | | | | 745 | Deg F |
| m | Maximum quantity of steam use per blower | | | | | later | lb/hr |
| n | Description of system equipment including instruments | | | later | | | |

# Steam Generator Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
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| **CUSTOMER:** | Santee Cooper | | | **DESC:** | Steam Generator And Accessories, Technical Datasheets | | |
| **PLANT LOC:** | Pamplico, SC | | | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | | | | |

| | | | |
|---|---|---|---|
| 37 | **Sootblowers-SCR-Sonic Bl'wrs - see SCR data** | | |
| a | Manufacturer | | |
| b | Model Number | | |
| c | Number of sonic horns per catalyst layer | 4 | number |
| d | Total number of sonic horns for each reactor | 12 | number |
| e | Recommended operating duration per blast | 10 | seconds |
| f | Recommended interval per blasts | 10 | minutes |
| g | Recommended number of horns operating simultaneously per reactor | 2 | number |
| h | Air consumption required during operation per horn | 120-160 | scfm |
| i | Air pressure required at horn | 70-90 | psig |
| j | Air temperature required at horn | ambient | deg. F |
| k | Total length of horn | 91.6 | in. |
| l | Weigh of each horn | 114 | lbs. |
| m | Horn outlet diameter | 16 | in. |
| n | Fundamental frequency | 75 | hz. |
| o | Output power level | 147 | dB |
| p | Design temperature | 800 | deg. F |
| q | Body materials | cast iron | ASTM |
| 38 | **Sootblowers- combination of all except SCR Sonic Horns** | | |
| a | Maximum quantity of steam per sootblower cycle | 32,000 | lb/hr |
| b | Expected number of sootblower cycles per 24 hours | 2 | |
| 39 | **Furnace Gas Temperature Measurement** | | |
| a | Furnace Gas Temperature | | |
| (1) | Quantity | 2 | |
| (2) | Manufacturer | Diamond Specialty or Equal | |
| (3) | Model | Optical Pyrometer | |
| (4) | Type | later | |
| b | Acoustical Pyrometer | | |
| (1) | Quantity | 1 System | |
| (2) | Manufacturer | Scientific Engineering Instruments | |
| (3) | Model | BoilerWatch | |
| (4) | Type | later | |
| (5) | Quantity of transceivers | 8 | |

## Steam Generator Data Sheet

| | | | | | |
|---|---|---|---|---|---|
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| **PLANT LOC:** | Pamplico, SC | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | | |

| | | | |
|---|---|---|---|
| 40 | **Recirculation Circulation Pump** | | |
| a | Quantity | 1 | |
| b | Manufacturer | Later | |
| c | Model | Later | |
| d | Type | Later | |
| e | Capacity each | 5,850 | gpm |
| f | TDH | Later | ft |
| g | Suction pressure | Later | psig |
| h | Suction temperature | Later | deg F |
| i | NPSH required | Later | ft |
| j | NPSH available | Later | ft |
| k | Efficiency | Later | % |
| l | Brake horsepower | Later | hp |
| m | Motor horsepower | Later | hp |
| n | Pump materials of construction | Later | |
| o | Duration of time that full load can be maintained with one pump out of service | N/A | hrs |
| p | Maximum load at which continuous operation can be maintained with one pump out of service | N/A | % of full load |
| q | Pump discharge valve(s) | | |
| (1) | Quantity | 1 | |
| (2) | Manufacturer | Later | |
| (3) | Model | Later | |
| (4) | Type | Later | |
| (5) | Size ( Nominal Pipe Size ) | Later | in |
| (6) | Pressure rating | Later | psig |
| (7) | Materials | Later | |
| r | Pump suction valve(s) | | |
| (1) | Quantity | 1 | |
| (2) | Manufacturer | Later | |
| (3) | Model | Later | |
| (4) | Type | Later | |
| (5) | Size | Later | in |
| (6) | Pressure rating | Later | psig |
| (7) | Materials | Later | |
| 42 | **Atmospheric Drain Flash Tank** | | |
| a | Tank design pressure | est. 100 | psig |
| b | Tank diameter (preliminary) | 130 | in. |
| c | Tank height (preliminary) | 325 | in. |
| d | Tank Material | A516-Gr.70 | ASTM |
| e | Liner material | N/A | ASTM |
| f | Liner thickness | N/A | in. |
| g | Impingement plate material | N/A | ASTM |
| h | Impingement plate thickness | N/A | in. |
| 42 | **Start-up Separator Drain Storage Tank (integral with separators)** | | |
| a | Tank design pressure | | psig |
| b | Tank diameter | | in. |
| c | Tank height | | in. |
| d | Tank Material | | ASTM |
| e | Liner material | | ASTM |
| f | Liner thickness | | in. |
| g | Impingement plate material (if applicable) | | ASTM |
| h | Impingement plate thickness (if applicable) | | in. |
| 43 | **Separator(s)** | | |
| a | Separator design pressure | 4320 | psig |
| b | Separator design temperature | 850 | deg. F |
| c | Separator diameter | 32 | in. |
| d | Separator height | 827 | in. |
| e | Separator Material | Later | ASTM |

# Steam Generator Data Sheet

| | | | | | |
|---|---|---|---|---|---|
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| **CUSTOMER:** | Santee Cooper | | **DESC:** | Steam Generator And Accessories, Technical Datasheets | |
| **PLANT LOC:** | Pamplico, SC | | **REV:** | 0 | **DATE:** 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | | |

| | | | | |
|---|---|---|---|---|
| 44 | **Seal air system (for pulverizers and feeders)** | | | |
| a | Seal air blowers: | | | |
| (1) | Quantity | | 2 (100%) | |
| (2) | Manufacturer | Robinson Industries | | |
| (3) | Model | 36.5 PE-BI-24 A.75 | | |
| (4) | Type | centrifugal | | |
| (5) | Size | | 36.5 | in |
| (6) | Inlet volume (Rated at 80 deg. F) | | 24,000 | cfm |
| (7) | Discharge static pressure | | 18.4 | in H2O |
| (8) | Brake horsepower | | 88 | hp |
| (9) | Motor horsepower | | 125 | hp |
| b | Total seal air required | | 81,240 | lb/hr |
| c | Source of seal air if no blowers are provided | From PA Fan discharge | | |
| d | Seal air filters: | | | |
| (1) | Quantity | | 1 | |
| (2) | Manufacturer | | | |
| (3) | Description | Mechanical Filter- Dynavane Type | | |
| 45 | **Aspirating air system** | | | |
| a | Total quantity aspirating air required | | N/A | scfm |
| b | Supply pressure required | | N/A | psig |
| c | Other requirements | | | |
| 46 | **Scanner cooling fans** | | | |
| a | Quantity | | 2 (100%) | |
| b | Manufacturer | Robinson Industries | | |
| c | Model | SB-E | | |
| d | Type | centrifugal | | |
| e | Size | | 224 | in |
| f | Inlet volume | | 1,400 | scfm |
| g | Discharge | | 9 | in H2O |
| h | Brake horsepower | | 2.7 | hp |
| i | Motor horsepower | | 5 | hp |
| 47 | **Tertiary air fans** | | | |
| a | Quantity | | N/A | |
| b | Manufacturer | | | |
| c | Model | | | |
| d | Type | | | |
| e | Size | | | in |
| f | Inlet volume | | | acfm |
| g | Discharge static pressure | | | in H2O |
| h | Brake horsepower | | | hp |
| i | Motor horsepower | | | hp |

# Steam Generator Data Sheet

| | | | | | | |
|---|---|---|---|---|---|---|
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| | | | | | |
|---|---|---|---|---|---|
| 48 | **Weights** | | | | |
| a | Steam generator: | | | | |
| (1) | Empty - including air heaters | | | later | lb |
| (2) | Empty - excluding air heaters | | | later | lb |
| (3) | With water for hydrostatic test | | | later | lb |
| (4) | Hydrostatic test - water only | | | later | lb |
| (5) | Operating with water at normal level | | | later | lb |
| (6) | Flooded | | | later | lb |
| b | Economizer | | preliminary | 2,226,155 | lb |
| c | Separator(s) | (+ Stor.Tank) | preliminary | 143,000 | lb |
| d | Waterwalls | | preliminary | 1,173,000 | lb |
| | Superheater - Steam Cooled Roof & Backpass | | preliminary | 765,830 | lb |
| e | Superheater - radiant | | preliminary | 634,308 | lb |
| f | Superheater - convection | | preliminary | 1,002,159 | lb |
| g | Reheater - radiant | | preliminary | 384,007 | lb |
| h | Reheater - convection | | preliminary | 1,580,950 | lb |
| i | Air heater | | preliminary | | lb |
| j | Air preheating coils | | preliminary | 5,000 | lb |
| k | Pulverizer including gear drive (including Motor | | preliminary | 247,000 | lb |
| l | Burner assemblies | | preliminary | | lb |
| m | Feeders ( each ) | | preliminary | 8,157 | lb |
| n | Controlled circulation pumps | | preliminary | | lb |
| o | Scanner cooling air fan skid | | preliminary | ~155 | lb |
| p | Seal air fan skid | | preliminary | ~3,000 | lb |
| q | Tertiary air fan skid | | preliminary | 0 | lb |
| r | Continuous blowdown tank (HP flash tank) | | preliminary | N/A | lb |
| s | Intermittent blowdown tank (atmospheric | | preliminary | N/A | lb |
| 49- | **Platforms** | | | | |
| a | Steam Generator & SCR | | | | |
| (1) | Quantity of platform included with grating | | | 112,000 | sq. ft. |
| (2) | Quantity of platform included with checkered plate | | | 14,000 | sq. ft. |
| b | Pulverizers: | | | | |
| (1) | Quantity of platform at each pulverizer with grating | | | included above | sq. ft. |

## Steam Generator Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
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**Preliminary Fan Data**

**To be completed by Contractor**

One copy shall be returned for each fan type provided.

| | **FAN DESIGNATION - PRIMARY AIR FAN - assumed same as Cross 3/4** | | |
|---|---|---|---|
| 1 | Type | DWDI Centrifugal | |
| 2 | Quantity | 2 | |
| 3 | Motor Horsepower | ~1750 | hp |
| 4 | Performance at MCR/NP | | |
| a | Mass Flow | 493,400 | lb/hr |
| b | Inlet Volume | 112,798 | acfm |
| c | Discharge static pressure | 35.02 | in H2O |
| d | Discharge total pressure | 35.4 | in H2O |
| e | Fan Static Pressure (accessory losses included) | 35.36 | in H2O |
| f | Fan Total Pressure (accessory losses included) | 36.3 | in H2O |
| g | Inlet Temperature | 80 | Deg F |
| h | Brake horsepower required | 1024 | hp |
| i | Fan Static Efficiency | ~63 | % |
| j | Fan Total Efficiency | ~65 | % |
| k | Inlet Pressure (static) | -0.34 | in H2O |
| l | Inlet Pressure (total) | -0.9 | in H2O |
| m | Speed | 1,780 | rpm |
| n | Inlet density | 0.073 | lb/acf |
| o | Temperature Rise through the fan | 13 | Deg F |
| 5 | Performance at MCR/OP | | |
| a | Mass Flow | 562,850 | lb/hr |
| b | Inlet Volume | 128,676 | acfm |
| c | Discharge static pressure | 33.89 | in H2O |
| d | Discharge total pressure | 34.39 | in H2O |
| e | Fan Static Pressure (accessory losses included) | 34.34 | in H2O |
| f | Fan Total Pressure (accessory losses included) | 35.58 | in H2O |
| g | Inlet Temperature | 80 | Deg F |
| h | Brake horsepower required | 1100 | hp |
| i | Fan Static Efficiency | ~67 | % |
| j | Fan Total Efficiency | ~70 | % |
| k | Inlet Pressure (static) | -0.45 | in H2O |
| l | Inlet Pressure (total) | -1.19 | in H2O |
| m | Speed | 1,780 | rpm |
| n | Inlet density | 0.073 | lb/acf |
| o | Temperature Rise through the fan | 13 | Deg F |
| 6 | Test Block | | |
| a | Mass Flow | 797,031 | lb/hr |
| b | Inlet Volume | 190,649 | acfm |
| c | Discharge static pressure | 48.01 | in H2O |
| d | Discharge total pressure | 49.13 | in H2O |
| e | Fan Static Pressure (accessory losses included) | 49.01 | in H2O |
| f | Fan Total Pressure (accessory losses included) | 51.76 | in H2O |
| g | Inlet Temperature | 105 | Deg F |
| h | Brake horsepower required | 1,740 | hp |
| i | Fan Static Efficiency | ~ 86 | % |
| j | Fan Total Efficiency | ~ 90 | % |
| k | Inlet Pressure (static) | -1.00 | in H2O |
| l | Inlet Pressure (total) | -2.63 | in H2O |
| m | Speed | 1,780 | rpm |
| n | Inlet Density | 0.0696 | lb/acf |
| o | Temperature Rise through the fan | 13 | Deg F |
| 7 | Speed | 1,780 | rpm |
| 8 | First critical speed | 2314 | rpm |
| a | Blade Tip Speed | 29,371 | ft/min |
| 9 | Design resonant speed | 2047 | rpm |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Steam Generator Data Sheet** | | | | | | | |
| **PROJECT:** | PEE DEE Unit 1 | | | **DS NO:** | PEDE-1-DS-161101-0001 | | |
| **CUSTOMER:** | Santee Cooper | | | **DESC:** | Steam Generator And Accessories, Technical Datasheets | | |
| **PLANT LOC:** | Pamplico, SC | | | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | | | | |
| | | | | | | | |
| 10 | Vibration Criteria | | | | | | |
| a | Normal allowable | | | | | 1 | mils |
| b | Alarm | | | | | 2.5 | mils |
| 11 | Maximum Stress in rotor | | | | | 66 | % of yield |
| 12 | Construction Data | | | | | | |
| a | Manufacturer | | Howden. TLT-Babcock, or equal | | | | |
| b | Model | | Later | | | | |
| c | Impeller diameter (proposed) | | | | | 63.03 | in |
| d | Impeller diameter (maximum) | | | | | 66.25 | in |
| e | Blades | | | | | | |
| | Type | | Airfoil | | | | |
| | Number | | | | | 11 x 2 | |
| | Material (ASTM) | | ASTM A514 | | | | |
| | Thickness | | | | | 0.1875 | in |
| f | Centerplate | | | | | | |
| | Material (ASTM) | | ASTM A514 | | | | |
| | Thickness | | | | | 0.625 | in |
| g | Shroud | | | | | | |
| | Material (ASTM) | | ASTM A514 | | | | |
| | Thickness | | | | | 0.25 | in |
| h | Wear | | | | | | |
| | Material (ASTM) | | N/A | | | | |
| | Thickness | | | | | | in |
| | Description | | | | | | |
| | Locations | | | | | | |
| i | Shaft | | | | | | |
| | Material (ASTM) | | ASTM A 688 | | | | |
| | Diameter at center of rotor | | | | | 10.375 | in |
| | Diameter at Bearings | | | | | 4.4375 | in |
| | Diameter at Coupling | | | | | 4.411 | in |
| j | Hub | | | | | | |
| | Material | | ASTM A 688 | | | | |
| | Thicknes | | | | | N/A | in |
| | Method | | Integral with maon shaft | | | | |
| | Method | | Body bound bolts | | | | |
| k | Housing | | | | | | |
| | Material (ASTM) | | ASTM A 36 | | | | |
| | Thickness | | | | | 0.375 | in |
| | Liners | | | | | N/A | in |
| l | Bearings | | | | | | |
| | Manufacturer | | Dodge | | | | |
| | Type | | Sleeve,RTL | | | | |
| | Model | | RTL | | | | |
| | Diameter | | | | | 4.4375 | in |
| | Sleeve Material (ASTM) | | Babbit | | | | |
| | Lubrication | | Oil Ring | | | | |
| | Cooling | | Oil/Water | | | | |
| | Cooling System | | Lube Power or Equal | | | | |
| | Bearing thermocouple type | | RTD | | | | |
| | Vibration monitoring | | Yes, (Bently Nevada 3500 ) | | | | |
| m | Coupling | | | | | | |
| | Manufacturer | | Renold or Equal | | | | |
| | Type | | Gear | | | | |
| | Model | | O- Ring - Seal | | | | |
| | Size | | | | | 3.5 | in |
| n | Bearing | | | | | | |
| | Material (ASTM) | | ASTM A 36 | | | | |
| | Thickness | | | | | N/A | in |
| | | | | | | | |

## Steam Generator Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **PROJECT:** | PEE DEE Unit 1 | | | **DS NO:** | PEDE-1-DS-161101-0001 | | |
| **CUSTOMER:** | Santee Cooper | | | **DESC:** | Steam Generator And Accessories, Technical Datasheets | | |
| **PLANT LOC:** | Pamplico, SC | | | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | | | | |
| o | Variable Inlet Vanes | | | | | | |
| | Number of Vanes each inlet | | | | | Later | |
| | Bearing type | | Gdodge LT or Equal | | | | |
| | Bearing Location | | Permanent | | | | |
| | Torque | | | | | 1311 | lb-ft |
| | Travel time from fully open position to fully closed position | | | | | < or = 40 | seconds |
| | Travel time from fully closed position to fully open position | | | | | < or = 40 | seconds |
| p | VIV Actuator | | | | | | |
| | Manufacturer | | BECK | | | | |
| | Type | | Electric | | | | |
| | Model | | 11-408 | | | | |
| | Torque Capability | | | | | | lb-ft |
| q | Shaft Seals through Housing | | | | | | |
| | Material (ASTM) | | Later | | | | |
| | Thickness | | | | | Later | in |
| | Description | | Garlock | | | | |
| | Method of attachment | | Insert to Seal Housing | | | | |
| | Method of adjustment | | Later | | | | |
| r | Fan total weight (excluding Silencer and rain | | | | | 21,000 | lb |
| s | Weight of impeller and shaft | | | | | 1,745 & 2488 | lb |
| t | WR2 of impeller and shaft | | | | | 7585 | lb-ft2 |
| u | Allowable temperature rate of rise | | | | | 15 | F/sec |
| v | Starting Torque Required Z( with inlets closed) | | | | | 1772 | lb-ft |
| w | Rotor Temperature Limit (continuous operation) | | | | | 150 | Deg F |
| x | Rotor Temperature Limit (transient upset) | | | | | 150 | Deg F |
| 13 | Flow Control and Isolating Damper | | | | | | |
| a | Service | | Control / Isolation | | | | |
| b | Type | | Inlet Vane - Internal Conical / Outlet Damper - Louver | | | | |
| c | Torque ( For outlet lover damper) | | | | | 3000 | lb-ft |
| d | Actuator | | For outlet louver damper Beck 11 - 438 | | | | |
| 14 | Performance Curve attached | | | | | (Yes/No) | Yes |
| 15 | General Arrangement Drawing attached (preliminary Sketch) | | | | | (Yes/No) | Yes |

# Steam Generator Data Sheet

| | | | | |
|---|---|---|---|---|
| **PROJECT:** | PEE DEE Unit 1 | **DS NO:** | PEDE-1-DS-161101-0001 | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Steam Generator And Accessories, Technical Datasheets | |
| **PLANT LOC:** | Pamplico, SC | **REV:** | 0 | **DATE:** 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | |

| | **General**<br>Design Conditions | MCR/OP | MCR/NP | Minimum Control Load | Units |
|---|---|---|---|---|---|
| 1 | Main Steam Flow | 4,629,150 | 4,390,320 | 2,634,192 | lb/hr |
| 3 | Pressure at Superheater Outlet | 3790 | 3600 | 2,576 | psig |
| 4 | SH Outlet Temperature | 1055 | 1055 | 1,055 | Deg F |
| 5 | Reheater Steam Flow | 3,517,640 | 3,356,510 | 2,109,775 | lb/hr |
| 6 | Pressure at Reheater Inlet | 866 | 826 | 513 | psig |
| 7 | Temperature at Reheater Inlet | 653 | 655 | 643 | Deg F |
| 8 | Temperature at Reheater Outlet | 1105 | 1105 | 1105 | Deg F |
| 9 | Feedwater Inlet Temp to Economizer | 585 | 580 | 523 | Deg F |
| 10 | Excess Air at Economizer Outlet | 20% | 20% | 30% | % |
| 11 | Minimum Air Temperature at FD Fan Inlet | 10 | 10 | 10 | Deg F |
| 12 | Minimum Gas Exit Temperature from Air Heater - Uncorrected for Leakage | 262 | 254 | 234 | Deg F |
| 13 | Air Heater Minimum Average Cold End Temperature - Uncorrected for Leakage | 253 | 245 | 224 | Deg F |
| 14 | NOx Emission at Air Heater Outlet | <0.060 | <0.060 | <0.060 | lb/10^6 BTU |
| 15 | $SO_2$-$SO_3$ Conversion in furnace | <1 | <1 | <1 | % |
| 16 | Ammonia Slip | <2.0 | <2.0 | <2.0 | ppmvd |
| 17 | Steam Generator Location | Outdoor | | | |
| 18 | Min Temperature at Exit of steam coil air heater | 80 | 80 | 80 | Deg F |
| 19 | Basis for performance testing (ambient air) | 29.92 in. Hg., 80F, 60%RH | | | |
| 20 | No. of Pulverizers in Operation | 5 | 5 | 4 | |
| 21 | Control Range for superheater and reheater | 60-100% of MCR/NP | | | % |
| 22 | Maximum Unburned Combustible in Flyash | 5 | 5 | 5 | % |
| 23 | Maximum Ammonia Concentration in Flyash | 75 | 75 | 75 | ppm |
| 24 | Air Heater minimum free distance under flange | 6 | 6 | 6 | ft |
| 25 | Warm-up burner fuel supply | No. 2 fuel oil | No. 2 fuel oil | No. 2 fuel oil | |
| 26 | Ignitor fuel supply | spark | spark | spark | |
| 27 | Size of Coal to Feeders | | | | |

| | **Furnace and Convection Passes**<br>Design Conditions | Data | Units |
|---|---|---|---|
| 1 | Average Temperature of Gas Entering Radiant Superheater (Furnace Exit Gas Temp.) | Proprietary | Deg F |
| 2 | Average Temperature of Gas Entering Convection Pass | 1744 | Deg F |
| 3 | Area Heat Release Rate | 66,300 | Btu/ft2/hr |
| 4 | Furnace Volume Heat Release Rate | 9,310 | Btu/ft3/hr |
| 5 | Furnace Plan Heat Release Rate | 1,620,000 | Btu/ft2/hr |
| 6 | Clearance between lowest headers and steam generator room floor | 30 | ft |
| 7 | Minimum Distance between bottom hopper throat and steam generator floor | 32.5 | ft |
| 8 | Furnace ash discharge throat - minimum width | 48 | in |
| 9 | Minimum vertical distance between top row burners and bottom of pendant superheater | 65 | ft |

| | **Reheater**<br>Design Conditions | Data | Units |
|---|---|---|---|
| 1 | Reheater Pressure Drop at MCR/NP | 30 Maximum | psi |
| 2 | Reheater Design Pressure | 1000 | psig |
| 3 | Lowest Setting Pressure of Reheater Inlet Safety Valves | later | psig |
| 4 | Highest Setting Pressure of Reheater Inlet Safety Valves | later | psig |
| 5 | Setting Pressure of Reheater Outlet Safety Valve | later | psig |

| | **Economizer,**<br>Design Conditions | Data | Units |
|---|---|---|---|
| 1 | Economizer minimum clear space, tube-to-tube | 2 | in |
| 2 | Economizer minimum free space under the flange | 15 | ft |
| 3 | Superheater and reheater horizontal section minimum clear tube spacing | 2.5 | in |

## Steam Generator Data Sheet

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **PROJECT:** | PEE DEE Unit 1 | | | **DS NO:** | PEDE-1-DS-161101-0001 | | |
| **CUSTOMER:** | Santee Cooper | | | **DESC:** | Steam Generator And Accessories, Technical Datasheets | | |
| **PLANT LOC:** | Pamplico, SC | | | **REV:** | 0 | **DATE:** | 26-Sep-06 |
| **COST CODE:** | 161101 | **EQ TAGs:** | 1-SG-SG-2001 | | | | |
| | **Air Preheating Coils - Steam** | | | | | | |
| | Steam From Turbine Extraction | | Pressure | | Temperature | | |
| 1 | later | million lbs/hr | later | psig | later | Deg F | |
| 2 | later | million lbs/hr | later | psig | later | Deg F | |
| 3 | later | million lbs/hr | later | psig | later | Deg F | |
| 4 | later | million lbs/hr | later | psig | later | Deg F | |
| 5 | later | million lbs/hr | later | psig | later | Deg F | |
| 6 | later | million lbs/hr | later | psig | later | Deg F | |
| | **Pulverizers** | | | | | | |
| | Design Conditions | | | | | | Units |
| 1 | Minimum height between silo flange and feeder floor | | | | | By W-P | ft |
| | **Primary air fan and pulverizer motors** | | | | | | |
| 1 | Location | | Outdoors | | | | |
| 2 | Motor Enclosure Type | | Weather Protected, Type II | | | | |
| 3 | Motor Insulation Class | | F B Temperature Rise | | | | |
| 4 | Paint Color | | ANSI 61 | | | | |
| | **System Description** | | | | | | |
| 1 | Description of system which provides oxidizing conditions at the furnace walls | | | | | | |

# Steam Turbine Data Sheet - Guaranteed and Predicted Performance

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-011001-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Steam Turbine and Accessories, Technical Datasheet | | |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 | **DATE:** | 16-Aug-06 |
| **COST CODE:** | 011001 | **EQ TAGs:** | 1-TG-TRB-1001 | | |

**Contractor to complete all shaded portions**

| | | | **Case 1** | **Case 2** | **Case 3** |
|---|---|---|---|---|---|
| Description | | | Normal Operating Pressure, 95% throttle condition | Normal Operating Pressure, Valves Wide Open | 5% Overpressure, Valves Wide Open |
| Parameter | | Units | **GUARANTEED** | **PREDICTED** | **PREDICTED** |
| HP Steam @ Stop Valve | | | | | |
| | Temperature | °F | 1,050.0 | 1,050.0 | 1,050.0 |
| | Flow | lb/hr | 4,179,867.0 | 4,385,495.0 | 4,624,066.0 |
| | Pressure | psia | 3,515.0 | 3,515.0 | 3,690.0 |
| Hot Reheat Stm @ St Vlv | | | | | |
| | Temperature | °F | 1,100.0 | 1,100.0 | 1,100.0 |
| | Flow | lb/hr | 3,219,314.0 | 3,358,589.0 | 3,519,857.0 |
| | Pressure | psia | 739.8 | 772.5 | 809.3 |
| Extraction No. 1 | | | | | |
| | Temperature | °F | 158.0 | 159.7 | 161.2 |
| | Flow | lb/hr | 60,914.0 | 67,802.0 | 75,244.0 |
| | Pressure | psia | 4.53 | 4.71 | 4.88 |
| Extraction No. 2 | | | | | |
| | Temperature | °F | 196.4 | 198.2 | 200.3 |
| | Flow | lb/hr | 102,512.0 | 107,842.0 | 114,153.0 |
| | Pressure | psia | 10.7 | 11.1 | 11.5 |
| Extraction No. 3 | | | | | |
| | Temperature | °F | 383.1 | 382.7 | 380.7 |
| | Flow | lb/hr | 182,103.0 | 191,421.0 | 202,258.0 |
| | Pressure | psia | 37.2 | 38.7 | 40.2 |

# Steam Turbine Data Sheet - Guaranteed and Predicted Performance

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-011001-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Steam Turbine and Accessories, Technical Datasheet | | |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 | **DATE:** | 16-Aug-06 |
| **COST CODE:** | 011001 | **EQ TAGs:** | 1-TG-TRB-1001 | | |

**Contractor to complete all shaded portions**

| | | | **Case 1** | **Case 2** | **Case 3** |
|---|---|---|---|---|---|
| Description | | | Normal Operating Pressure, 95% throttle condition | Normal Operating Pressure, Valves Wide Open | 5% Overpressure, Valves Wide Open |
| Parameter | | Units | **GUARANTEED** | **PREDICTED** | **PREDICTED** |
| Extraction No. 4 | | | | | |
| | Temperature | °F | 471.0 | 470.5 | 468.8 |
| | Flow | lb/hr | 84,338.0 | 89,019.0 | 94,565.0 |
| | Pressure | psia | 59.2 | 61.6 | 64.1 |
| Extraction No. 5 | | | | | |
| | Temperature | °F | 639.1 | 638.2 | 636.4 |
| | Flow | lb/hr | 157,828.0 | 166,282.0 | 175,485.0 |
| | Pressure | psia | 137.6 | 143.2 | 149.0 |
| Extraction No. 6 | | | | | |
| | Temperature | °F | 833.4 | 833.0 | 831.8 |
| | Flow | lb/hr | 178,845.0 | 189,606.0 | 200,371.0 |
| | Pressure | psia | 290.0 | 302.5 | 315.8 |
| Extraction No. 7 | | | | | |
| | Temperature | °F | 651.1 | 659.7 | 658.2 |
| | Flow | lb/hr | 470,502.0 | 499,744.0 | 538,565.0 |
| | Pressure | psia | 822.0 | 858.4 | 899.2 |
| Extraction No. 8 | | | | | |
| | Temperature | °F | 772.1 | 783.6 | 781.5 |
| | Flow | lb/hr | 342,799.0 | 372,084.0 | 402,156.0 |
| | Pressure | psia | 1,303.7 | 1,370.7 | 1,434.5 |

# Steam Turbine Data Sheet - Guaranteed and Predicted Performance

| | | | | | | |
|---|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | | **DS NO:** | PEDE-1-DS-011001-0001 | | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Steam Turbine and Accessories, Technical Datasheet | | |
| **PLANT LOC:** | Johnsonville, SC | | **REV:** | 0 | **DATE:** | 16-Aug-06 |
| **COST CODE:** | 011001 | | **EQ TAGs:** | 1-TG-TRB-1001 | | |

**Contractor to complete all shaded portions**

| | | | **Case 1** | **Case 2** | **Case 3** |
|---|---|---|---|---|---|
| Description | | | Normal Operating Pressure, 95% throttle condition | Normal Operating Pressure, Valves Wide Open | 5% Overpressure, Valves Wide Open |
| Parameter | | Units | **GUARANTEED** | **PREDICTED** | **PREDICTED** |
| Cold Reheat Stm @ Terminal Point | | | | | |
| | Temperature | °F | 651.1 | 659.7 | 658.2 |
| | Flow | klb/hr | 3,212,569.0 | 3,351,939.0 | 3,512,840.0 |
| | Pressure | psia | 822.0 | 858.4 | 899.2 |
| Exhaust to Condenser | | | | | |
| | Temperature | °F | 109.3 / 119.9 | 109.3 / 119.9 | 109.3 / 119.9 |
| | Flow | lb/hr | 1169843/1169843 | 1215195/1215195 | 1260460/1260460 |
| | Pressure | inHgA | 2.55 / 3.45 | 2.55 / 3.45 | 2.55 / 3.45 |
| | Enthalpy | Btu/lb | 1017.6 / 1031.3 (UEEP) | 1015.6 / 1028.2 (UEEP) | 1013.4 / 1024.9 (UEEP) |
| Electric Power | | | | | |
| | @ Gen Terminals | kW | 615,045.0 | 639,152.0 | 668,533.0 |
| | Contractor Aux load | kW | 11,710.0 | 12,113.0 | 12,640.0 |
| | Power Factor | | 0.9 | 0.9 | 0.9 |
| | Turbine Generator Net Heat Rate | Btu / kW-hr | 7,396.0 | 7,384.0 | 7,367.0 |

SAL

# Complete Original Equipment Order List for Entire Power Plan

| CGS | Supplier Box | Box Item | Description |
|---|---|---|---|
| X | | A1T | STEAM TURBINE SKID ( TYPE T9MC6) |
| X | 011001-001-270T764-10/12 | A51 | DC STARTING CABINETS POMP |
| X | 011001-001-270T764-10/12 | A52 | STARTING TURNING GEAR PANEL |
| X | 011001-001-270T764-10/12 | B51 | DC STARTING CABINETS POMP |
| X | 011001-001-270T764-10/12 | B52 | STARTING TURNING GEAR PANEL |
| X | 011001-001-270T764-11/12 | A10 000A01 | SUPPORT PLATE |
| X | 011001-001-270T764-11/12 | A1T 000575 | SCREW H M12-30 |
| X | 011001-001-270T764-11/12 | A1T 000576 | WASHER M12 U |
| X | 011001-001-270T764-11/12 | A1T 000577 | PIN DIA 8H7 |
| X | 011001-001-270T764-11/12 | A1T 000600 | SCREW H M12-30 |
| X | 011001-001-270T764-11/12 | A1T 000601 | WASHER M12 U |
| X | 011001-001-270T764-11/12 | A1T 000602 | PIN DIA 8H7 |
| X | 011001-001-270T764-11/12 | A1T 000M01 | BIMETAL THERMOMETER ITEM : BL-TI 1701A/5 |
| X | 011001-001-270T764-11/12 | A1T 000M03 | BIMETAL THERMOMETER ITEM : BL-TI 1701A/8 |
| X | 011001-001-270T764-11/12 | A1T 000M05 | BIMETAL THERMOMETER ITEM : BL-TI 1701A/2 |
| X | 011001-001-270T764-11/12 | A1T 000W82 | TAG ITEM: BL-TGR-1019 (TURNING GEAR), BL-ACC-1018 |
| X | 011001-001-270T764-11/12 | A1T 069 | OIL RETAINER |
| X | 011001-001-270T764-11/12 | A1T 070 | OIL RETAINER, REAR BEARING |
| X | 011001-001-270T764-11/12 | A1T 0T3801 | COLLECTING PIPE OIL RETURN |
| X | 011001-001-270T764-11/12 | A1T 0T3801 1 | THREADED ROD M 16 X 100 |
| X | 011001-001-270T764-11/12 | A1T 0T3801 2 | NUT H M 16 |
| X | 011001-001-270T764-11/12 | A1T 0T3801 3 | GASKET 3" 150LBS |
| X | 011001-001-270T764-11/12 | A1T 0T3802 | PIPE RETURN OIL SERVOMOTOR |
| X | 011001-001-270T764-11/12 | A1T 0T3802  1 | THREADED ROD M 16 X 90 |
| X | 011001-001-270T764-11/12 | A1T 0T3802  2 | NUT H M 16 |
| X | 011001-001-270T764-11/12 | A1T 0T3802  3 | GASKET 2" 150 LBS |
| X | 011001-001-270T764-11/12 | A1T 0T3802  4 | "O" RING 1"1/2 |
| X | 011001-001-270T764-11/12 | A1T 0T3802  5 | SCREW H M 8 X 20 |
| X | 011001-001-270T764-11/12 | A1T 0T3802  6 | (OD) PIPE RETURN OIL SERVOMOTOR |
| X | 011001-001-270T764-11/12 | A1T 0T3803 | PIPING FOR OIL SUPPLY |
| X | 011001-001-270T764-11/12 | A1T 0T3803 1 | THREADED ROD M 16 X 100 |
| X | 011001-001-270T764-11/12 | A1T 0T3803 2 | NUT H M 16 |
| X | 011001-001-270T764-11/12 | A1T 0T3803 3 | GASKET 3" 150LBS |
| X | 011001-001-270T764-11/12 | A1T 0T3803 4 | THREADED ROD M 14 X 80 |
| X | 011001-001-270T764-11/12 | A1T 0T3803 5 | NUT H M 14 |
| X | 011001-001-270T764-11/12 | A1T 0T3803 6 | GASKET 1"1/2 150 LBS |
| X | 011001-001-270T764-11/12 | A1T 0T3805 | PIPING ON ARRIVING OIL BEARING |
| X | 011001-001-270T764-11/12 | A1T 0T3805 1 | THREADED ROD M 14 X 70 |
| X | 011001-001-270T764-11/12 | A1T 0T3805 2 | NUT H M 14 |
| X | 011001-001-270T764-11/12 | A1T 0T3805 3 | GASKET 1/2" 150 LBS |
| X | 011001-001-270T764-11/12 | A1T 0T3805 5 | GASKET 3 " 150 LBS |
| X | 011001-001-270T764-11/12 | A1T 0T3805 6 | THREADED ROD M 16 X 60 |
| X | 011001-001-270T764-11/12 | A1T 0T3805 7 | NUT H M 14 |
| X | 011001-001-270T764-11/12 | A1T 0T3806 | PIPING ON OIL BEARING EXIT |
| X | 011001-001-270T764-11/12 | A1T 0T3806 1 | THREADED ROD M 16 X 100 |
| X | 011001-001-270T764-11/12 | A1T 0T3806 2 | NUT H M 16 |
| X | 011001-001-270T764-11/12 | A1T 0T3806 3 | GASKET 3" 150LBS |
| X | 011001-001-270T764-11/12 | A1T 0T3812 | PIPE RETURN OIL SERVOMOTOR |
| X | 011001-001-270T764-11/12 | A1T 0T3812 1 | THREADED ROD M 16 X 90 |
| X | 011001-001-270T764-11/12 | A1T 0T3812 2 | NUT H M 16 |
| X | 011001-001-270T764-11/12 | A1T 0T3812 3 | GASKET 2" 150LBS |
| X | 011001-001-270T764-11/12 | A1T 0T3812 4 | "O" RING 1"1/2 |
| X | 011001-001-270T764-11/12 | A1T 0T3812 5 | SCREW H M 8 X 20 |
| X | 011001-001-270T764-11/12 | A1T 0T3817 | PIPING ON ARRIVING OIL SERVOMOTOR HP |
| X | 011001-001-270T764-11/12 | A1T 0T3817 1 | THREADED ROD M 16 X 90 |
| X | 011001-001-270T764-11/12 | A1T 0T3817 2 | NUT H M 16 |

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|---|---|---|---|
| x | 011001-001-270T764-11/12 | A1T 0T3817 3 | GASKET 1"1/2 300 LBS |
| x | 011001-001-270T764-11/12 | A1T 0T3817 4 | THREADED ROD M 20 X 100 |
| x | 011001-001-270T764-11/12 | A1T 0T3817 5 | NUT H M 20 |
| x | 011001-001-270T764-11/12 | A1T 0T3817 6 | GASKET 1" 300LBS |
| x | 011001-001-270T764-11/12 | A1T 0T3817 7 | FLANGE BOX INCLUDING:PLATE, FLAT QASKET, SCREW |
| x | 011001-001-270T764-11/12 | A1T 0T3819 | PIPING ON ARRIVING OIL BEARING |
| x | 011001-001-270T764-11/12 | A1T 0T3819 1 | THREADED ROD M 14 X 80 |
| x | 011001-001-270T764-11/12 | A1T 0T3819 2 | NUT H M 14 |
| x | 011001-001-270T764-11/12 | A1T 0T3819 3 | GASKET 1" 1/2 150 LBS |
| x | 011001-001-270T764-11/12 | A1T 0T3821 | PIPING ON OIL BEARING EXIT |
| x | 011001-001-270T764-11/12 | A1T 0T3821 1 | THREADED ROD M 20 X110 |
| x | 011001-001-270T764-11/12 | A1T 0T3821 2 | NUT H M 20 |
| x | 011001-001-270T764-11/12 | A1T 0T3821 3 | GASKET 6" 150 LBS |
| x | 011001-001-270T764-11/12 | A1T 0T3821 4 | THREADED ROD M 14 X 70 |
| x | 011001-001-270T764-11/12 | A1T 0T3821 5 | NUT H M 14 |
| x | 011001-001-270T764-11/12 | A1T 0T3821 6 | GASKET 1/2" 150 LBS |
| x | 011001-001-270T764-11/12 | A1T 0T3821 7 | COMPENSATOR 6" |
| x | 011001-001-270T764-11/12 | A1T 0T3822 | (OD) PIPE ON OIL ACTUATOR SIDE |
| x | 011001-001-270T764-11/12 | A1T 0T3824 | (OD) PIPE OIL RETURN |
| x | 011001-001-270T764-11/12 | A1T 0T3826 | PIPE OIL RETURN GUARD |
| x | 011001-001-270T764-11/12 | A1T 0T3826 1 | THREADED ROD M 14 X 80 |
| x | 011001-001-270T764-11/12 | A1T 0T3826 2 | NUT H M 14 |
| x | 011001-001-270T764-11/12 | A1T 0T3826 3 | GASKET 1" 1/2 150 LBS |
| x | 011001-001-270T764-11/12 | A1T 0T3826 4 | SCREW H M 14 X 50 |
| x | 011001-001-270T764-11/12 | A1T 0T3827 | PIPE OIL COUPLING GUARD VENT |
| x | 011001-001-270T764-11/12 | A1T 0T3827 1 | SCREW H M 16 X 45 |
| x | 011001-001-270T764-11/12 | A1T 0T3827 2 | GASKET 2" 150 LBS |
| x | 011001-001-270T764-11/12 | A1T 0T3828 | PIPE STEAM LEAK STEM |
| x | 011001-001-270T764-11/12 | A1T 0T3828 1 | THREADED ROD M 16 X 80 |
| x | 011001-001-270T764-11/12 | A1T 0T3828 2 | NUT H M 16 |
| x | 011001-001-270T764-11/12 | A1T 0T3828 3 | GASKET 3/4" 150 LBS |
| x | 011001-001-270T764-11/12 | A1T 0T3840 | SUPPORT FOR COLLECTING PIPE OIL RETURN WITH: 1 CLAMP 8", 3 CLAMP 6", 2 CLAMP 4" |
| x | 011001-001-270T764-11/12 | A1T 0T3841 | SUPPORT FOR OD PIPE RETURN OIL SERVOMOTOR |
| x | 011001-001-270T764-11/12 | A1T 0T3850 | FLANGE BOX ITEM A INCLUDING: |
| x | 011001-001-270T764-11/12 | A1T 0T3850 1 | PLATE FOR FLANGE BOX ITEM A |
| x | 011001-001-270T764-11/12 | A1T 0T3850 2 | FLAT GASKET FOR FLANGE BOX ITEM A |
| x | 011001-001-270T764-11/12 | A1T 0T3850 3 | SCREW FOR FLANGE BOX ITEM A |
| x | 011001-001-270T764-11/12 | A1T 0T3851 | FLANGE BOX ITEM B INCLUDING: |
| x | 011001-001-270T764-11/12 | A1T 0T3851 1 | PLATE FOR FLANGE BOX ITEM B |
| x | 011001-001-270T764-11/12 | A1T 0T3851 2 | FLAT GASKET FOR FLANGE BOX ITEM B |
| x | 011001-001-270T764-11/12 | A1T 0T3851 3 | SCREW FOR FLANGE BOX ITEM B |
| x | 011001-001-270T764-11/12 | A1T 0T3852 | FLANGE BOX ITEM C INCLUDING: |
| x | 011001-001-270T764-11/12 | A1T 0T3852 1 | PLATE FOR FLANGE BOX ITEM C |
| x | 011001-001-270T764-11/12 | A1T 0T3852 2 | FLAT GASKET FOR FLANGE BOX ITEM C |
| x | 011001-001-270T764-11/12 | A1T 0T3852 3 | SCREW FOR FLANGE BOX ITEM C |
| x | 011001-001-270T764-11/12 | A1T 0T3860 | SET OF 8 TAG ITEM: BL-T1-1701A5, BL-SBV-1701A-5, BL-ZS-1702A-7, TV-ABV-1701A-1, TV-ABV-1701A-2, TV-ABV-1701A-3, TV-ABV-1701A-4, TV-ABV-1701A-6 |
| x | 011001-001-270T764-11/12 | A1T 5 | H.S. COUPLING INCLUDING: |
| x | 011001-001-270T764-11/12 | A1T 5A1 | COUPLING SPACER SERIAL NUMBER 71751 |
| x | 011001-001-270T764-11/12 | A1T 5A2 | SET OF 16 SPACER BOLTS, TURBINE END |
| x | 011001-001-270T764-11/12 | A1T 5A3 | SET OF 16 SPACER BOLTS, PUMP END |
| x | 011001-001-270T764-11/12 | A1T 5A4 | SET OF SHIMS |
| x | 011001-001-270T764-11/12 | A1T 800801 | TAG ITEM : DM2D |
| x | 011001-001-270T764-11/12 | A1T D04 | SERVO-MOTOR UNIT 250 + LINKAGE |
| x | 011001-001-270T764-11/12 | AU0 0A1 | TEST KIT |
| x | 151101-001-Case 1 | 001 | Boiler Feedwater Booster Pump 1A |
| x | 151101-001-Case 2 | 001 | Boiler Feedwater Booster Pump 1B |
| x | 151101-002-Box 002 | 001 | Startup Boiler Feedwater Pump Motor |
| x | 151101-002-Box 1 | 001 | Boiler Feedwater Pump 1A |
| x | 151101-002-Box 1 | 002 | Hexagonal Head Bolt 1-3/4" 5UNCX140 (Pedestal Sole Plate) |

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|---|---|---|---|
| X | 151101-002-Box 1 | 003 | Washer 46D (Pedestal Sole Plate) |
| X | 151101-002-Box 1 | 004 | Washer Spring B45 (Pedestal Sole Plate) |
| X | 151101-002-Box 1 | 005 | Screwed Taper Pin NA 12X4" (Pedestal Sole Plate) |
| X | 151101-002-Box 1 | 006 | Hexagonal Nut 7/8" 9UNC |
| X | 151101-002-Box 1 | 007 | Coupling Pump Side |
| X | 151101-002-Box 1 | 008 | Pre-Heating Hole |
| X | 151101-002-Box 1 | 009 | Inner Support (Rotor Dismantling) |
| X | 151101-002-Box 1 | 010 | Stud 5/8"11UNC - 3/4"10UNC. (Rotor Dismantling) |
| X | 151101-002-Box 1 | 011 | Hexagonal Nut 3/4" 10 UNC. Rotor Dismantling - Suction Head Dismantling |
| X | 151101-002-Box 1 | 012 | Washer 21D Rotor Dismantling |
| X | 151101-002-Box 1 | 013 | Pipe 3-1/2" SCH. 40. Rotor Dismantling |
| X | 151101-002-Box 1 | 014 | Inner Disassembly Tool |
| X | 151101-002-Box 1 | 015 | Self Lock Nut Inner Coupling Side - Rotor Dismantling |
| X | 151101-002-Box 1 | 016 | Self Lock Nut Inner Support - Rotor Dismantling |
| X | 151101-002-Box 1 | 017 | Inner Support Suction Side - Rotor Dismantling |
| X | 151101-002-Box 1 | 018 | Plate (Discharge Head Disassembly) |
| X | 151101-002-Box 1 | 019 | Threaded Stud 1" 8UNC 3A X 250 - Discharge Head Disassembly |
| X | 151101-002-Box 1 | 020 | Hexagonal Nut 1"- 8UNC. |
| X | 151101-002-Box 1 | 021 | Plate (Removing Balancing Drum) 200D X 25 PT. |
| X | 151101-002-Box 1 | 022 | Stud (Balancing Drum Disassembly) 1/2" 13UNC-. |
| X | 151101-002-Box 1 | 023 | Hexagonal Nut 1/2"-13UNC. (Balancing Drum Disassembly) |
| X | 151101-002-Box 1 | 024 | Blind Flange Suction Side 254X184X50PT. (Chem Cleaning Tool) |
| X | 151101-002-Box 1 | 025 | O-Ring 135,89D.X5,33D (Chem Cleaning Tool) |
| X | 151101-002-Box 1 | 026 | CANCAMO 1/2" 13UNC-2A (Chem Cleaning Tool) |
| X | 151101-002-Box 1 | 027 | Blind Flange Discharge Side 330DX310DX55 PT (Chem Cleaning Tool) |
| X | 151101-002-Box 1 | 028 | O-Ring 227,97D. X 5,33 (Chem Cleaning Tool) |
| X | 151101-002-Box 1 | 029 | O-Ring 227,97D. X 5,33 (Chem Cleaning Tool) |
| X | 151101-002-Box 1 | 030 | Spirometallic Gasket 254D.X231,6. (Spare Suction Head - Balancing Sleeve) |
| X | 151101-002-Box 1 | 031 | Spirometallic Gasket 362D.X325,4. (Spare Last Diffuser - Discharge Head) |
| X | 151101-002-Box 1 | 032 | Gaskets Spacer (Compensator) 325,4DX362DX1,6. (Spare Last Diffuser - Discharge Head) |
| X | 151101-002-Box 1 | 033 | O-Ring 88,27D. X 5,33 Material: E0962-90 DE |
| X | 151101-002-Box 1 | 034 | Shim 19,05DX5,33 PT |
| X | 151101-002-Box 1 | 035 | Shim 135,7DX71,4DX3,17 PT KTB/Casing |
| X | 151101-002-Box 1 | 036 | Shim 135.9D.X 77D.X 2.3PT Bearing Cover |
| X | 151101-002-Box 1 | 037 | Shim 135.9D.X 77D.X 0.4PT Bearing Cover |
| X | 151101-002-Box 1 | 038 | Shim 135.9D.X 77D.X 0.25PT Bearing Cover |
| X | 151101-002-Box 1 | 039 | Shim 135.9D.X 77D.X 0.125PT Bearing Cover |
| X | 151101-002-Box 1 | 040 | Shim 57D.X 46.4D.X 2PT Collar-Shaft |
| X | 151101-002-Box 1 | 041 | Shim 57D.X 46.4D.X 0.8PT Collar-Shaft |
| X | 151101-002-Box 1 | 042 | Shim 57D.X 46.4D.X 0.4PT Collar-Shaft |
| X | 151101-002-Box 1 | 043 | Shim 57D.X 46.4D.X 0.25PT Collar-Shaft |
| X | 151101-002-Box 1-1 | 001 | Boiler Feedwater Pump Spare Inner Assembly |

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|---|---|---|---|
| χ | 151101-002-Box 2 | 001 | Boiler Feedwater Pump 1B |
| χ | 151101-002-Box 2 | 002 | Hexagonal Head Bolt 1-3/4" 5UNCX140 (Pedestal Sole Plate) |
| χ | 151101-002-Box 2 | 003 | Washer 46D (Pedestal Sole Plate) |
| χ | 151101-002-Box 2 | 004 | Washer Spring B45 (Pedestal Sole Plate) |
| χ | 151101-002-Box 2 | 005 | Screwed Taper Pin NA 12X4" (Pedestal Sole Plate) |
| χ | 151101-002-Box 2 | 006 | Hexagonal Nut 7/8" 9UNC |
| χ | 151101-002-Box 2 | 007 | Hexagonal Head Lock Screw 1-1/2" 12UNF-2AX115 Pump Levelling |
| χ | 151101-002-Box 2 | 008 | Pump Side Coupling |
| χ | 151101-002-Box 2 | 009 | O'RING GASKET 557,61D. X 5,33 (BEARING HOUSING SUPPORT) |
| χ | 151101-002-Box 2 | 010 | O'RING GASKET 171,04D. X 3,53 (LABYRINTH SLEEVE) |
| χ | 151101-002-Box 2 | 011 | O'RING GASKET 142,24D. X 6,99 (SHAFT SLEEVE) |
| χ | 151101-002-Box 2 | 012 | O'RING GASKET 202,57DX 6,99D (STUFFING BOX BUSHING) |
| χ | 151101-002-Box 2 | 013 | O'RING GASKET 342,27D. X 6,99 (STUFFING BOX) |
| χ | 151101-002-Box 2 | 014 | WOUND GASKET 387.4D.X362D.X4,5 ESP (STUFFING BOX.-BARREL/DISCHARGE HEAD) |
| χ | 151101-002-Box 2 | 015 | WOUND GASKET 189D.X212.7D.X4.5PT. MATERIAL (STUFFING BOX-BUSHING) |
| χ | 151101-002-Box 2 | 016 | WOUND GASKET 561.9DX533.4DX4,5PT (SUCTION RING-BARREL) |
| χ | 151101-002-Box 2 | 017 | WOUND GASKET 673DX641.4DX4,5PT. MATERIAL:A (CHANNEL RING-BARREL) |
| χ | 151101-002-Box 2 | 018 | WOUND GASKET 374.7D.X349.3D.X4,5 ESP (BALANCE SLEEVE-DISCHARGE HEAD) |
| χ | 151101-002-Box 2 | 019 | WOUND GASKET 511.2D.X479.5D.X4,5 ESP (ADJUSTER) |
| χ | 151101-002-Box 2 | 020 | WOUND GASKET 730.3DX692.2DX4,5PT (BARREL-DISCHARGE HEAD) |
| χ | 151101-002-Box 2 | 021 | SHIM 673,1DX641,4DX1,6PT (CHANNEL RING-BARREL) |
| χ | 151101-002-Box 2 | 022 | SHIM 511,2DX479,5DX1,6PT (ADJUSTER) |
| χ | 151101-002-Box 2 | 023 | SHIM 511,2DX479,5DX0,8ESP (ADJUSTER) |
| χ | 151101-002-Box 2 | 024 | WASHER (RETAINER) 162DX149.43DX0,8 PT (IMPELLER LOCKING) |
| χ | 151101-002-Box 2 | 025 | SHIM 168.3D.X145.26D.X3ESP. DWG:  575D299X (BALANCE DRUM) |
| χ | 151101-002-Box 2 | 026 | SHIM 168.3D.X145.26D.X0.8ESP. DWG:  575D29 (BALANCE DRUM) |
| χ | 151101-002-Box 2 | 027 | SPRING WASHER "BELLEVILLE" REF B0750-034. |
| χ | 151101-002-Box 2 | 028 | SHIM 19,05DX8,51PT (SPRING WASHER) |
| χ | 151101-002-Box 2 | 029 | SHIM (KTB/BEARING HOUSING) |
| χ | 151101-002-Box 2 | 030 | SHIM 95,3DX76,5DX4,83 PT (THRUST COLLAR/SHAFT) |
| χ | 151101-002-Box 2 | 031 | SHIM 95,3D.X76,5D.X0,750 ESP (THRUST COLLAR/SHAFT) |
| χ | 151101-002-Box 2 | 032 | SHIM 95,3D.X76,5D,X0,400 ESP (THRUST COLLAR/SHAFT) |
| χ | 151101-002-Box 2 | 033 | SHIM 212DX111DX5,5 ESP (KTB/END COVER) |
| χ | 151101-002-Box 2 | 034 | SHIM. PUMP-PEDESTAL |
| χ | 154201-001-004 | 006 | Vibration Monitoring System |
| χ | 154201-001-004 | 007 | Bracket Vibration |
| χ | 154201-001-004 | 015 | Vibration Monitoring System |

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|---|---|---|---|
| x | 154201-001-004 | 016 | Bracket Vibration |
| x | 154201-001-004 | 024 | Vibration Monitoring System |
| x | 154201-001-004 | 025 | Bracket Vibration |
| x | 181090489-001-09002851C118001 | 001 | C118 - STEAM EX2100 |
| x | 181090489-001-09002861C118002 | 001 | C118 - STEAM EX2100 |
| x | 181100392-001-09001041C150001 | 001 | EXCITATION TRANSFORMER |
| x | 181102555-001-09001031B2K0001 | 001 | HIGH VOLTAGE BUSHING |
| x | 181102555-001-09001041B2K0002 | 001 | HIGH VOLTAGE BUSHING |
| x | 181102555-001-09001051B2K0003 | 001 | HIGH VOLTAGE BUSHING |
| x | 181103112-001-09000901G2E0001 | 001 | H2 CONTROL PANEL |
| x | 181103119-001-09000541G3D0001 | 001 | GEN GAS MON SYS |
| x | 181103241-001-09000301C126002 | 001 | Grounding Transformer & Resistor (Repaired) |
| x | 181103498-001-09001221B6H0001 | 001 | SHAFT VOLT MONITOR ASSY |
| x | 181103498-001-09001221B6H0001 | 002 | LOCK PLATE |
| x | 181103498-001-09001221B6H0001 | 003 | BOLT |
| x | 181103498-001-09001221B6H0001 | 004 | SPACER |
| x | 181103498-001-09001221B6H0001 | 005 | COPPER BRAID STRAP |
| x | 181103498-001-09001221B6H0001 | 006 | 60 FEET CABLE |
| x | 181103510-001-09000061SLMS001 | 001 | STTR LEAK MON  SYS-PANEL |
| x | 181108490-001-09001521G2M0001 | 001 | H2 Gas Dryer |
| x | 421301-001-001 | 001 | 8" Check Valve (Tilt) 2500# |
| x | 421301-001-002 | 001 | 12" Check Valve (Tilt) 2500# |
| x | 421301-001-003 | 001 | 10" Gate Valve 2500# |
| x | 421301-001-004 | 001 | 10" Gate Valve 4500# |
| x | 421301-001-005 | 001 | 10" Gate Valve 4500# |
| x | 421301-001-006 | 001 | 12" Gate Valve 4500# |
| x | 421301-001-007 | 001 | 12" Gate Valve 4500# |
| x | 421301-001-008 | 001 | 10" Globe Valve 2500# |
| x | 421301-002-001 | 001 | 3" Check Valve (Tilt) 4500# |
| x | 421301-002-001 | 002 | 3" Check Valve (Tilt) 4500# |
| x | 421301-002-002 | 001 | 16" Check Valve (Tilt) 4500# |
| x | 421301-002-003 | 001 | 16" Check Valve (Tilt) 4500# |
| x | 421301-002-004 | 001 | 6" Gate Valve 4500# |
| x | 421301-002-005 | 001 | 3" Y-Globe Valve 4500# |
| x | 421301-002-006 | 001 | 3" Y-Globe Valve 4500# |
| x | 421301-002-007 | 001 | 16" Y-Globe Valve 4500# |
| x | 421301-002-008 | 001 | 16" Y-Globe Valve 4500# |
| x | 421301-002-009 | 001 | 6" Gate Valve 4500# |
| x | 421302-001-004 | 001 | 12", Y-Globe Valve, 3100 # |
| x | 421302-001-005 | 001 | 12", Y-Globe Valve, 3100 # |
| x | 421302-003-001 | 001 | 18", Gate Valve, 2500 # |
| x | 439012659-001-09000991HAL0001 | 001 | Mark VI Panel |
| x | 600000799-001-09000351B2P0001 | 001 | Current Transformer |
| x | 600005297-001-09000031F1E0001 | 001 | F1E0 Stator Cooling Water Skid |
| x | 600005297-001-09000031F1E0001 | 002 | Filter Cartridge |
| x | 600005297-001-09000031F1E0001 | 003 | Level Switch Assembly |
| x | 600005297-001-09000031F1E0001 | 004 | Operation Manual |

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|---|---|---|---|
| x | 600005297-001-09000031F1E0001 | 005 | Set of Companion flanges for cooling water |
| x | 600005870-001-09000721PR01001 | 001 | "8"" 150# SPIRAL GASKET .125"" THK" |
| x | 600005870-001-09000721PR01001 | 002 | 5/8-11 UNC HH NUT SA 194 2H ZINC PLTD |
| x | 600005870-001-09000721PR01001 | 003 | 1/2-13 UNC X 3 STUD SA 193 B7 ZINC PLTD |
| x | 600005870-001-09000721PR01001 | 004 | "3 1/2"" 150# SPIRAL GASKET .125"" THK" |
| x | 600005870-001-09000721PR01001 | 005 | "2"" 150# SPIRAL GASKET.125"" THK" |
| x | 600005870-001-09000721PR01001 | 006 | PR01 Lube Oil Module |
| x | 600005870-001-09000721PR01001 | 007 | Lube Oil Filter Elements |
| x | 600005870-001-09000721PR01001 | 008 | "3/4""150# RFSO FLANGE B16.5 SA-105" |
| x | 600005870-001-09000721PR01001 | 009 | "8"" 150# RFSO FLANGE B16.5 SA182  F304/304L." |
| x | 600005870-001-09000721PR01001 | 010 | "WASHER 5/8"" HELICAL SPR LOCK ZINC PLTD" |
| x | 600005870-001-09000721PR01001 | 011 | "6"" 150# RFSO FLANGE B16.5 SA-105" |
| x | 600005870-001-09000721PR01001 | 012 | 3/4-10 UNC X 5 STUD SA 193 B7 ZINC PLTD |
| x | 600005870-001-09000721PR01001 | 013 | 3/4-10 UNC HH NUT SA 194 2H ZINC PLTD |
| x | 600005870-001-09000721PR01001 | 014 | Equipment Manual |
| x | 600005870-001-09000721PR01001 | 015 | "6"" 150# SPIRAL GASKET.125"" THK" |
| x | 600005870-001-09000721PR01001 | 016 | "6"" Mist Eliminator Spool" |
| x | 600005870-001-09000721PR01001 | 017 | "3 1/2"" 150# RFSO FLANGE B16.5 SA182 F304/304L" |
| x | 600005870-001-09000721PR01001 | 018 | "3/4"" 150# SPIRAL GASKET.125"" THK" |
| x | 600005870-001-09000721PR01001 | 019 | 5/8-11 UNC X 4 STUD SA 193 B7 ZINC PLTD |
| x | 600005870-001-09000721PR01001 | 020 | "WASHER3/4"" HELICAL SPR LOCK CS ZINC PLTD" |
| x | 600005870-001-09000721PR01001 | 021 | 1/2-13 UNC HH NUT SA 194 2H ZINC PLTD |
| x | 600005870-001-09000721PR01001 | 022 | "2"" 150# RFSO FLANGE B16.5 SA182 F304/304L" |
| x | 600005870-001-09000721PR01001 | 023 | "WASHER 1/2"" HELICAL SPR LOCK CS ZINC PLTD" |
| x | 600005870-001-09000721PR01001 | 024 | 5/8-11 UNCX4 1/2 STUD SA 193 B7 ZINC PLTD |
| x | 600005870-001-09000721PR01001 | 025 | "8"" 150# RFSO FLANGE B16.5 SA-105" |
| x | 600011737-001-09001471PV01001 | 001 | MOTOR OP VALVES |
| x | 600011737-001-09001481PV01002 | 001 | MOTOR OP VALVES |
| x | 600011737-001-09001491PV01003 | 001 | MOTOR OP VALVES |
| x | 600011737-001-09001501PV01004 | 001 | MOTOR OP VALVES |
| x | 600011737-001-09001511PV01005 | 001 | MOTOR OP VALVES |

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|---|---|---|---|
| x | 600011737-001-09001521PV01006 | 001 | MOTOR OP VALVES |
| x | 600014740-001-09000741H108001 | 001 | H108 - HMI |
| x | 600014740-001-09000741H108001 | 002 | H108 - HMI |
| x | 600014740-001-09000741H108001 | 003 | H108 - NETWORK PARTS |
| x | 600014740-001-09000741H108001 | 004 | H108 - TCP PARTS KIT |
| x | 600014740-001-09000981HAL0001 | 001 | HAL0 - TB CTL PNL-ST |
| x | 600015440-001-09000611H530001 | 001 | DC STARTER 75HP 250VDC |
| x | 600015441-001-09000441HMF0001 | 001 | DC Starter 40HP 240VDC |
| x | 600015442-001-09000291PR90001 | 001 | ML-PR90 |
| x | 600036195-001-09000371HMB2001 | 001 | CUSTOM CABINET |
| x | 600036195-001-09000371HMB2001 | 002 | 3500 MONITORING SYSTEM |
| x | 600036195-001-09000371HMB2001 | 003 | PSEUDO PART |
| x | 600036195-001-09000371HMB2001 | 004 | SIGNAL TO BLOCK CABLES |
| x | 600039142-001-10001151HAL0001 | 001 | A014 MODKIT |
| x | A100343 UO-001-PEDE-187-0001 | 001 | CO Monitoring System |
| x | A100343 UO-001-PEDE-187-0002 | 005 | CO Monitoring System |
| x | A100343 UO-001-PEDE-187-0003 | 001 | DUAL STAGE REGULATOR |
| x | A100343 UO-001-PEDE-187-0003 | 002 | Sample Probe |
| x | A100343 UO-001-PEDE-187-0003 | 002A | DUAL STAGE REGULATOR |
| x | A100343 UO-001-PEDE-187-0003 | 003 | Sample Probe |
| x | A100343 UO-001-PEDE-187-0003 | 004 | Sample Probe |
| x | A100343 UO-001-PEDE-187-0003 | 006 | Sample Probe |
| x | A100343 UO-001-PEDE-187-0003 | 007 | Sample Probe |
| x | A100343 UO-001-PEDE-187-0003 | 008 | Sample Probe |
| x | A100785 UO-001-PEDE-259-0019 | 001 | EXACTA FLAME SCANNER ASSY COMMISSIONING SPARE |
| x | A100785 UO-001-PEDE-259-0019 | 002 | ADAPTER CABLE ASSY 25 FT/COMMISSIONING SPARE |
| x | A100785 UO-002-PEDE-259-0020 | 001 | PNEUMATIC AIR CYLINDER |
| x | A100785 UO-002-PEDE-259-0020 | 002 | SOLENOID VALVE |
| x | A100785 UO-002-PEDE-259-0020 | 003 | EXCITER |
| x | A100785 UO-002-PEDE-259-0020 | 003A | FSA FLAME SIGNAL ANALYZER |
| x | A100785 UO-002-PEDE-259-0020 | 004 | EXCITER TIPS |
| x | A100785 UO-002-PEDE-259-0020 | 004A | FUSES 10 AMP |
| x | A100785 UO-002-PEDE-259-0020 | 005 | HEI WIRE TRAIN SS FLEX HOSE |
| x | A100785 UO-002-PEDE-259-0020 | 006 | PROXIMITY SWITCH |
| x | A100785 UO-002-PEDE-259-0020 | 007 | GASKET=PACKING&RETAINER (1) EACH |
| x | A100785 UO-002-PEDE-259-0020 | 008 | FLEXIBLE SPARK ROD ASSY W/O TIP |
| x | A100785 UO-002-PEDE-259-0023 | 001 | FLAME SCANNER JUNCTION BOXES |
| x | A100785 UO-002-PEDE-259-0023 | 002 | FLAME SCANNER JUNCTION BOXES |

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|---|---|---|---|
| x | A100785 UO-002-PEDE-259-0023 | 003 | FLAME SCANNER JUNCTION BOXES |
| x | A100785 UO-002-PEDE-259-0023 | 004 | FLAME SCANNER JUNCTION BOXES |
| x | A100785 UO-002-PEDE-259-0023 | 005 | FLAME SCANNER JUNCTION BOXES |
| x | A100785 UO-002-PEDE-259-0023 | 006 | FLAME SCANNER JUNCTION BOXES |
| x | A100785 UO-002-PEDE-259-0023 | 007 | FLAME SCANNER JUNCTION BOXES |
| x | A100785 UO-002-PEDE-259-0023 | 008 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 008A | HEI Exciter Boxes for HEI Ignitors |
| χ | A100785 UO-002-PEDE-259-0023 | 009 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 009A | HEI Exciter Boxes for HEI Ignitors |
| χ | A100785 UO-002-PEDE-259-0023 | 010 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 010A | HEI Exciter Boxes for HEI Ignitors |
| χ | A100785 UO-002-PEDE-259-0023 | 011 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 011A | HEI Exciter Boxes for HEI Ignitors |
| χ | A100785 UO-002-PEDE-259-0023 | 012 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 012A | HEI Exciter Boxes for HEI Ignitors |
| χ | A100785 UO-002-PEDE-259-0023 | 013 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 013A | HEI Exciter Boxes for HEI Ignitors |
| χ | A100785 UO-002-PEDE-259-0023 | 014 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 014A | HEI Exciter Boxes for HEI Ignitors |
| χ | A100785 UO-002-PEDE-259-0023 | 015 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 015A | HEI Exciter Boxes for HEI Ignitors |
| χ | A100785 UO-002-PEDE-259-0023 | 016 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 016A | HEI Exciter Boxes for HEI Ignitors |
| χ | A100785 UO-002-PEDE-259-0023 | 017 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 017A | HEI Exciter Boxes for HEI Ignitors |
| χ | A100785 UO-002-PEDE-259-0023 | 018 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 018A | HEI Exciter Boxes for HEI Ignitors |
| χ | A100785 UO-002-PEDE-259-0023 | 019 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 019A | HEI Exciter Boxes for HEI Ignitors |
| χ | A100785 UO-002-PEDE-259-0023 | 020 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 021 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 022 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 023 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0023 | 024 | FLAME SCANNER JUNCTION BOXES |
| χ | A100785 UO-002-PEDE-259-0025 | 001 | HEA Ignitor L.H. Incl Retract Mec,wiretrains,airhoses,sparkt |
| χ | A100785 UO-002-PEDE-259-0025 | 001A | HEA IGN R.H. incl retract mech,wiretrains,air hoses,sparktip |
| χ | A100785 UO-002-PEDE-259-0025 | 002 | HEA Ignitor L.H. Incl Retract Mec,wiretrains,airhoses,sparkt |
| χ | A100785 UO-002-PEDE-259-0025 | 002A | HEA IGN R.H. incl retract mech,wiretrains,air hoses,sparktip |
| χ | A100785 UO-002-PEDE-259-0025 | 003 | HEA Ignitor L.H. Incl Retract Mec,wiretrains,airhoses,sparkt |
| χ | A100785 UO-002-PEDE-259-0025 | 003A | HEA IGN R.H. incl retract mech,wiretrains,air hoses,sparktip |
| χ | A100785 UO-002-PEDE-259-0025 | 004 | HEA Ignitor L.H. Incl Retract Mec,wiretrains,airhoses,sparkt |
| χ | A100785 UO-002-PEDE-259-0025 | 004A | HEA IGN R.H. incl retract mech,wiretrains,air hoses,sparktip |
| χ | A100785 UO-002-PEDE-259-0025 | 005 | HEA Ignitor L.H. Incl Retract Mec,wiretrains,airhoses,sparkt |
| χ | A100785 UO-002-PEDE-259-0025 | 005A | HEA IGN R.H. incl retract mech,wiretrains,air hoses,sparktip |
| χ | A100785 UO-002-PEDE-259-0025 | 006 | HEA Ignitor L.H. Incl Retract Mec,wiretrains,airhoses,sparkt |
| χ | A100785 UO-002-PEDE-259-0025 | 006A | HEA IGN R.H. incl retract mech,wiretrains,air hoses,sparktip |
| χ | A100785 UO-003-PEDE-259-0026 | 001 | ROLLS OF 2000 FT. EA. SCANNER CABLE |
| χ | A100785 UO-003-PEDE-259-0027 | 002 | ROLLS OF 2000 FT. EA. SCANNER CABLE |
| χ | A100785 UO-003-PEDE-259-0029 | 001 | FLAME SCANNER CABLE |

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|---|---|---|---|
| x | A101179 UO-001-PEDE-081-0031 | 001 | DOOR 16X18 MANWAY |
| x | A101179 UO-001-PEDE-081-0031 | 001A | DOOR 16X18 MANWAY |
| x | A101179 UO-001-PEDE-081-0032 | 001 | DOOR 16X18 MANWAY |
| x | A101179 UO-001-PEDE-081-0033 | 001 | HEAT VENT DOOR 16X18 |
| x | A101179 UO-001-PEDE-081-0033 | 001A | DOOR 16X18 MANWAY |
| x | A101179 UO-001-PEDE-081-0033 | 001B | HEAT VENT DOOR 16X18 |
| x | A101179 UO-001-PEDE-081-0034 | 001 | OBSERVATION DOOR 4X10 |
| x | A101179 UO-001-PEDE-081-0034 | 001A | REFRACTORY MOLD |
| x | A101179 UO-001-PEDE-081-0034 | 001B | REFRACTORY MOLD |
| x | A101179 UO-001-PEDE-081-0034 | 001C | OBSERVATION DOOR 4X10 |
| x | A101179 UO-001-PEDE-081-0034 | 002 | OBSERVATION DOOR 4X10 |
| x | A101179 UO-001-PEDE-081-0034 | 002A | SAFETY GRATE 304SS 26.25X28 |
| x | A101179 UO-001-PEDE-081-0034 | 002B | OBSERVATION DOOR 4X10 |
| x | A101179 UO-001-PEDE-081-0034 | 003 | OBSERVATION DOOR 4X10 |
| x | A101179 UO-001-PEDE-081-0036 | 001 | WATER COOL ACCESS DOOR |
| x | A101179 UO-001-PEDE-081-0036 | 003 | SAFETY GRATE BRACKET |
| x | A101179 UO-001-PEDE-081-0036 | 004 | SAFETY GRATE MOUNTING ROD |
| x | A102149 UO-001-PEDE-0B0-0001 | 001 | Fuel Oil Flow Elements |
| x | A102149 UO-001-PEDE-0B0-0001 | 002 | Fuel Oil Flow Elements |
| x | A102149 UO-001-PEDE-0B0-0002 | 005 | Documentation |
| x | A102149 UO-001-PEDE-0B0-0002 | 006 | Documentation |
| x | A102728 UO-001-PEDE-123-0001 | 001 | UPPER SOFA DUCTS - VOLU-probe/1SS |
| x | A102728 UO-001-PEDE-123-0001 | 002 | UPPER SOFA DUCTS - VOLU-probe/1SS |
| x | A102728 UO-001-PEDE-123-0001 | 003 | UPPER SOFA DUCTS - VOLU-probe/1SS |
| x | A102728 UO-001-PEDE-123-0001 | 004 | UPPER SOFA DUCTS - VOLU-probe/1SS |
| x | A102728 UO-001-PEDE-123-0001 | 005 | LOWER SOFA DUCTS - VOLU-probe/1SS |
| x | A102728 UO-001-PEDE-123-0001 | 006 | LOWER SOFA DUCTS - VOLU-probe/1SS |
| x | A102728 UO-001-PEDE-123-0001 | 007 | LOWER SOFA DUCTS - VOLU-probe/1SS |
| x | A102728 UO-001-PEDE-123-0001 | 008 | LOWER SOFA DUCTS - VOLU-probe/1SS |
| x | A103450 UO-001-PEDE-082-0001 | 001 | Differential Process Gauge |
| x | A103450 UO-001-PEDE-082-0001 | 001A | Pressure Gauge |
| x | A103450 UO-001-PEDE-082-0001 | 001B | Pressure Gauge |
| x | A103450 UO-001-PEDE-082-0001 | 001C | Superheater Outlet Line Pressure Gauge West |
| x | A103450 UO-001-PEDE-082-0001 | 001D | Differential Process Gauge |
| x | A103450 UO-001-PEDE-082-0001 | 001E | Pressure Gauge |
| x | A103450 UO-001-PEDE-082-0001 | 001F | Pressure Gauge |
| x | A103450 UO-001-PEDE-082-0001 | 002 | Superheater Outlet Line Pressure Gauge East |
| x | A103450 UO-001-PEDE-082-0001 | 002A | Pressure Gauge |

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| χ | A103450 UO-001-PEDE-082-0001 | 002B | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 002C | Differential Process Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 002D | Differential Process Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 002E | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 003 | Differential Process Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 003A | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 003B | Reheater Outlet Line Pressure Gauge West |
| χ | A103450 UO-001-PEDE-082-0001 | 003C | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 003D | Differential Process Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 004 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 004A | Reheater Outlet Line Pressure Gauge East |
| χ | A103450 UO-001-PEDE-082-0001 | 004B | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 004C | Differential Process Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 005 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 005A | Differential Process Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 005B | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 006 | Differential Process Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 006A | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 006B | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 007 | Differential Process Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 007A | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 008 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 008A | Differential Process Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 009 | Differential Process Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 009A | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 010 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 010A | Differential Process Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 011 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 012 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 013 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 014 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 015 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 016 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 017 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 018 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 019 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 020 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 021 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 022 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 023 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 024 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 025 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 026 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0001 | 027 | Pressure Gauge |
| χ | A103450 UO-001-PEDE-082-0002 | 001 | Temperature Indicator |
| χ | A103450 UO-001-PEDE-082-0002 | 001A | Temperature Indicator |
| χ | A103450 UO-001-PEDE-082-0002 | 001B | Temperature Indicator |
| χ | A103450 UO-001-PEDE-082-0002 | 002 | Temperature Indicator |
| χ | A103450 UO-001-PEDE-082-0002 | 003 | Temperature Indicator |
| χ | A103450 UO-001-PEDE-082-0002 | 004 | Temperature Indicator |
| χ | A103450 UO-001-PEDE-082-0002 | 005 | Temperature Indicator |
| χ | A103450 UO-001-PEDE-082-0002 | 006 | Temperature Indicator |

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| x | A103450 UO-001-PEDE-082-0002 | 007 | Temperature Indicator |
| x | A103450 UO-001-PEDE-082-0002 | 008 | Temperature Indicator |
| x | A103450 UO-001-PEDE-082-0002 | 009 | Temperature Indicator |
| x | A103450 UO-001-PEDE-082-0002 | 010 | Temperature Indicator |
| x | A103450 UO-001-PEDE-082-0002 | 011 | Temperature Indicator |
| x | A103450 UO-001-PEDE-082-0002 | 012 | Temperature Indicator |
| x | A105187 UO-001-PEDE-043-0013 | 010 | 4" Gate Valve Velan B12-1064C-02TS Bnnt Eqlzg Ln |
| x | A105187 UO-001-PEDE-043-0013 | 011 | 4" Gate Valve Velan B12-1064C-02TS Bnnt Eqlzg Ln |
| x | A105187 UO-001-PEDE-043-0013 | 012 | 4" Gate Valve Velan B12-1064C-02TS Bnnt Eqlzg Ln |
| x | A105187 UO-001-PEDE-043-0013 | 013 | 4" Gate Valve Velan B12-1064C-02TS Bnnt Eqlzg Ln |
| x | A105187 UO-001-PEDE-043-0013 | 014 | 4" Gate Valve Velan B12-1064C-02TS Bnnt Eqlzg Ln |
| x | A105187 UO-001-PEDE-043-0013 | 015 | 4" Gate Valve Velan B12-1064C-02TS Bnnt Eqlzg Ln |
| x | A105187 UO-001-PEDE-043-0017 | 020 | 10" Gate Vlv Velan B16-1064C-02TS Gr Op Eqlzg Ln |
| x | A105187 UO-001-PEDE-043-0017 | 021 | 10" Gate Vlv Velan B16-1064C-02TS Gr Op Eqlzg Ln |
| x | A105187 UO-001-PEDE-043-0018 | 022 | 10" Gate Vlv Velan B16-1064C-02TS Gr Op Eqlzg Ln |
| x | A105187 UO-001-PEDE-043-0018 | 023 | 10" Gate Vlv Velan B16-1064C-02TS Gr Op Eqlzg Ln |
| x | A108373 UO-001-PEDE-907-0001 | 006 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0001 | 007 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0001 | 010 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0002 | 009 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0002 | 014 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0002 | 017 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0002 | 018 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0003 | 005 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0003 | 011 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0003 | 013 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0003 | 016 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0004 | 003 | Enclosure w/installed equipment |
| x | A108373 UO-001-PEDE-907-0004 | 008 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0004 | 012 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0004 | 015 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0005 | 044 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0005 | 045 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0005 | 047 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0005 | 049 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0006 | 043 | Vipak w/installed equipment |

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| χ | A108373 UO-001-PEDE-907-0006 | 046 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0006 | 048 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0006 | 080 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0007 | 027 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0007 | 028 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0008 | 029 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0008 | 030 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0008 | 031 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0008 | 032 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0009 | 034 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0009 | 051 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0009 | 052 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0009 | 053 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0010 | 033 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0010 | 090 | Enclosure w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0011 | 041 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0011 | 042 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0011 | 091 | C.S. Enclosure w/insulation, panel & installed equip |
| χ | A108373 UO-001-PEDE-907-0012 | 055 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0012 | 056 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0012 | 063 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0012 | 064 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0013 | 019 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0013 | 020 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0013 | 057 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0013 | 059 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0014 | 001 | Enclosure w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0014 | 002 | Encosre w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0014 | 058 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0014 | 082 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0015 | 021 | Vipak w/heater & installed equipment |

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| χ | A108373 UO-001-PEDE-907-0015 | 050 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0015 | 081 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0016 | 022 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0016 | 023 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0016 | 025 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0016 | 026 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0017 | 054 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0017 | 077 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0017 | 078 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0017 | 079 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0018 | 069 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0018 | 070 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0018 | 073 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0018 | 074 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0019 | 067 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0019 | 068 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0019 | 071 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0019 | 072 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0020 | 060 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0020 | 061 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0020 | 062 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0020 | 065 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0021 | 024 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0021 | 066 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0021 | 075 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0021 | 076 | Vipak w/heater & installed equipment |
| χ | A108373 UO-001-PEDE-907-0022 | 087 | Carbon Steel Enclosure w/insulation, panel & installed equip |
| χ | A108373 UO-001-PEDE-907-0023 | 088 | Carbon Steel Enclosure w/insulation, panel & installed equip |
| χ | A108373 UO-001-PEDE-907-0024 | 089 | C.S. Enclosure w/insulation, panel, heater & installed equip |
| χ | A108373 UO-001-PEDE-907-0025 | 035 | Vipak w/installed equipment |
| χ | A108373 UO-001-PEDE-907-0025 | 039 | Vipak w/installed equipment |

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| x | A108373 UO-001-PEDE-907-0026 | 036 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0026 | 037 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0027 | 038 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0027 | 040 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0028 | 092 | Carbon Steel Enclosure w/insulation, panel & installed equip |
| x | A108373 UO-001-PEDE-907-0028 | 093 | Carbon Steel Enclosure w/insulation, panel & installed equip |
| x | A108373 UO-001-PEDE-907-0029 | 084 | Carbon Steel Enclosure w/insulation, panel & installed equip |
| x | A108373 UO-001-PEDE-907-0030 | 083 | Vipak w/installed equipment |
| x | A108373 UO-001-PEDE-907-0030 | 085 | Carbon Steel Enclosure w/insulation, panel & installed equip |
| x | A108373 UO-001-PEDE-907-0031 | 086 | Carbon Steel Enclosure w/insulation, panel & installed equip |
| x | A108576 UO-001-PEDE-874-0001 | 001 | 1/2" FEMALE CONNECTOR |
| x | A108576 UO-001-PEDE-874-0002 | 001 | 1/2" FEMALE CONNECTOR |
| x | A108576 UO-001-PEDE-874-0002 | 001A | BRASS MALE CONN 1/2"T X 1/2"NPT |
| x | A108576 UO-001-PEDE-874-0002 | 001B | FEMALE CONN SS 1/2"T X 1/2"FNPT |
| x | A108576 UO-001-PEDE-874-0002 | 001C | SS ADAPTER 3/4"SW X 1/2" TSW |
| x | A108576 UO-001-PEDE-874-0003 | 001 | BRASS BALL VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0004 | 001 | BRASS BALL VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0005 | 001 | BRASS BALL VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0007 | 001 | BRASS BALL VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0008 | 001 | BRASS BALL VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0009 | 001 | BRASS BALL VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0010 | 001 | BRASS BALL VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0011 | 001 | BRASS BALL VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0012 | 001 | BRASS BALL VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0013 | 001 | BRASS BALL VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0014 | 001 | SS MALE CONN 1/2"T X 1/4"NPT |
| x | A108576 UO-001-PEDE-874-0015 | 001 | BRASS MALE CONN 1/2"T X 1/4"NPT |
| x | A108576 UO-001-PEDE-874-0016 | 001 | 1/2" UNION TEE 1/2"T |
| x | A108576 UO-001-PEDE-874-0017 | 001 | 1/2" UNION TEE 1/2"T |
| x | A108576 UO-001-PEDE-874-0019 | 001 | SS 1/2"T SWAGELOK UNION |
| x | A108576 UO-001-PEDE-874-0020 | 001 | BRASS UNIO 1/2"T |

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| x | A108576 UO-001-PEDE-874-0021 | 001 | 1/2" TSW UNION SS |
| x | A108576 UO-001-PEDE-874-0021 | 001A | SS MALE CONNECTOR 1/4"T x 1/4"MNPT |
| x | A108576 UO-001-PEDE-874-0021 | 001B | SS MALE CONN 1/4"T X 1/2"MNPT |
| x | A108576 UO-001-PEDE-874-0021 | 001C | SS ADAPTER 1/2" PSW X 1/2"TSW |
| x | A108576 UO-001-PEDE-874-0023 | 001 | SS 1/2" PLUG |
| x | A108576 UO-001-PEDE-874-0023 | 001A | 1/2"SW X 1/2"T SS |
| x | A108576 UO-001-PEDE-874-0023 | 001B | Male Elbow |
| x | A108576 UO-001-PEDE-874-0024 | 001 | SS 1" PSW X 1/2" TSW |
| x | A108576 UO-001-PEDE-874-0024 | 001A | SS 1/2" PIPE SOCKET WELD UNION |
| x | A108576 UO-001-PEDE-874-0024 | 001B | 1/2" CAP SS |
| x | A108576 UO-001-PEDE-874-0024 | 002 | SS 1/2" MUD DUBBER |
| x | A108576 UO-001-PEDE-874-0025 | 001 | CARBON STL VALV E 1/2"SW |
| x | A108576 UO-001-PEDE-874-0026 | 001 | CARBON STL VALV E 1/2"SW |
| x | A108576 UO-001-PEDE-874-0027 | 001 | CARBON STL VALV E 1/2"SW |
| x | A108576 UO-001-PEDE-874-0029 | 001 | SS SHUT OFF VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0030 | 001 | SS SHUT OFF VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0031 | 001 | SS SHUT OFF VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0032 | 001 | SS SHUT OFF VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0033 | 001 | 1/2" SS BLOWDOWN VALVE |
| x | A108576 UO-001-PEDE-874-0034 | 001 | 1/2" SS BLOWDOWN VALVE |
| x | A108576 UO-001-PEDE-874-0035 | 001 | 1/2" SS BLOWDOWN VALVE |
| x | A108576 UO-001-PEDE-874-0036 | 001 | 1/2" SS BLOWDOWN VALVE |
| x | A108576 UO-001-PEDE-874-0037 | 001 | 1/2" SS BLOWDOWN VALVE |
| x | A108576 UO-001-PEDE-874-0038 | 001 | 1/2" SS BLOWDOWN VALVE |
| x | A108576 UO-001-PEDE-874-0039 | 001 | 1/2" SS BLOWDOWN VALVE |
| x | A108576 UO-001-PEDE-874-0040 | 001 | 1/2" SS BLOWDOWN VALVE |
| x | A108576 UO-001-PEDE-874-0041 | 001 | 1/2" SS BLOWDOWN VALVE |
| x | A108576 UO-001-PEDE-874-0042 | 001 | 1/2" SS BLOWDOWN VALVE |
| x | A108576 UO-001-PEDE-874-0043 | 001 | SS SHUT OFF VALVE 1/2"T |
| x | A108576 UO-001-PEDE-874-0043 | 001A | 1/2" SS BLOWDOWN VALVE |
| x | A108576 UO-001-PEDE-874-0044 | 001 | 1/2" SS BLOWDOWN VALVE |

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| χ | A108576 UO-002-PEDE-874-0006 | 001 | BRASS BALL VALVE 1/2"T |
| χ | A108576 UO-002-PEDE-874-0018 | 001 | 1/2" UNION TEE 1/2"T |
| χ | A108576 UO-002-PEDE-874-0018 | 001A | BRASS UNION TEE 1/2"T |
| χ | A108576 UO-002-PEDE-874-0022 | 001 | 1/2"TSW TEE SS |
| χ | A108576 UO-002-PEDE-874-0022 | 001A | SS 1/2"TSW X 1/2"FNPT |
| χ | A108576 UO-002-PEDE-874-0022 | 001B | 1/2"FNPT X 1/4"MNPT BRASS |
| χ | A108576 UO-002-PEDE-874-0028 | 001 | SS SHUT OFF VALVE 1/2"T |
| χ | A93214 UO-001-PEDE-155-0161 | 001 | 24" DISCHARGE VALVE |
| χ | A93214 UO-001-PEDE-155-0162 | 002 | 24" DISCHARGE VALVE |
| χ | A93214 UO-001-PEDE-155-0163 | 003 | 24" DISCHARGE VALVE |
| χ | A93214 UO-001-PEDE-155-0164 | 004 | 24" DISCHARGE VALVE |
| χ | A93214 UO-001-PEDE-155-0165 | 005 | 24" DISCHARGE VALVE |
| χ | A93214 UO-001-PEDE-155-0166 | 006 | 24" DISCHARGE VALVE |
| χ | A93214 UO-001-PEDE-155-0167 | 007 | 24" DISCHARGE VALVE |
| χ | A93214 UO-001-PEDE-155-0168 | 008 | 24" DISCHARGE VALVE |
| χ | A93214 UO-001-PEDE-155-0169 | 009 | 24" DISCHARGE VALVE |
| χ | A93214 UO-001-PEDE-155-0170 | 010 | 24" DISCHARGE VALVE |
| χ | A93214 UO-001-PEDE-155-0171 | 011 | 24" DISCHARGE VALVE |
| χ | A93214 UO-001-PEDE-155-0172 | 012 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0173 | 013 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0174 | 014 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0175 | 015 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0176 | 016 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0177 | 017 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0178 | 018 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0179 | 019 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0180 | 020 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0181 | 021 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0182 | 022 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0183 | 023 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0184 | 024 | 24" DISCHARGE VALVE |
| χ | A93214 UO-002-PEDE-155-0185 | 025 | Gasket Assy |
| χ | A93214 UO-005-PEDE-155-0001 | 128 | MILLSIDE ASSEMBLY |
| χ | A93214 UO-006-PEDE-155-0002 | 128 | MILLSIDE ASSEMBLY |
| χ | A93214 UO-007-PEDE-155-0003 | 128 | MILLSIDE ASSEMBLY |
| χ | A93214 UO-008-PEDE-155-0004 | 128 | MILLSIDE ASSEMBLY |
| χ | A93214 UO-009-PEDE-155-0005 | 128 | MILLSIDE ASSEMBLY |
| χ | A93214 UO-010-PEDE-155-0006 | 128 | MILLSIDE ASSEMBLY |
| χ | A93214 UO-011-PEDE-155-0007 | 134 | BOWL HUB AND VANE WHL ASSY |
| χ | A93214 UO-013-PEDE-155-0189 | 046 | Pulverizer Gearbox Lube Oil Unit 4 |
| χ | A93214 UO-015-PEDE-155-0010 | 134 | BOWL HUB AND VANE WHL ASSY |
| χ | A93214 UO-016-PEDE-155-0011 | 134 | BOWL HUB AND VANE WHL ASSY |
| χ | A93214 UO-017-PEDE-155-0012 | 134 | BOWL HUB AND VANE WHL ASSY |
| χ | A93214 UO-018-PEDE-155-0013 | 162 | SEPARATOR BODY ASSY |
| χ | A93214 UO-024-PEDE-155-0099 | 136 | SCRAPER ASSEMBLY |
| χ | A93214 UO-024-PEDE-155-0100 | 147 | LINER-BOWL HUB SCRAPER |
| χ | A93214 UO-024-PEDE-155-0100 | 148 | LINER-BOWL HUB |
| χ | A93214 UO-025-PEDE-155-0101 | 135 | SUPPORT BRACKET |
| χ | A93214 UO-025-PEDE-155-0101 | 137 | SCRAPER SUPPORT BRACKET |
| χ | A93214 UO-026-PEDE-155-0128 | 168 | VALVE ADAPTER |
| χ | A93214 UO-026-PEDE-155-0129 | 168 | VALVE ADAPTER |
| χ | A93214 UO-026-PEDE-155-0130 | 168 | VALVE ADAPTER |

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| χ | A93214 UO-026-PEDE-155-0131 | 168 | VALVE ADAPTER |
| χ | A93214 UO-027-PEDE-155-0132 | 168 | VALVE ADAPTER |
| χ | A93214 UO-027-PEDE-155-0133 | 168 | VALVE ADAPTER |
| χ | A93214 UO-027-PEDE-155-0135 | 167 | ELBOW 1 45DEG CONNECTING |
| χ | A93214 UO-027-PEDE-155-0135 | 169 | TERMINAL BOX BRACKET |
| χ | A93214 UO-027-PEDE-155-0135 | 170 | PIPE CLAMP SUPPORT |
| χ | A93214 UO-027-PEDE-155-0135 | 171 | PIPE CLAMP SUPPORT |
| χ | A93214 UO-027-PEDE-155-0135 | 172 | 1" UNILET SUPPORT |
| χ | A93214 UO-027-PEDE-155-0135 | 173 | 1" UNILET SUPPORT |
| χ | A93214 UO-027-PEDE-155-0135 | 174 | TERMINAL BOX ASSY |
| χ | A93214 UO-027-PEDE-155-0135 | 175 | U-BOLT 4 PIPE W/NUTS |
| χ | A93214 UO-027-PEDE-155-0135 | 176 | U-BOLT 1.25" PIPE W/NUTS |
| χ | A93214 UO-027-PEDE-155-0135 | 177 | UNILET 1" W/COVER & BRACKET |
| χ | A93214 UO-027-PEDE-155-0135 | 178 | SCRCAP HH 1.250-7 X 1.750 A449 |
| χ | A93214 UO-027-PEDE-155-0135 | 179 | SCRCAP HH 1.250-7 X 2.000 A449 |
| χ | A93214 UO-027-PEDE-155-0135 | 180 | SCR-MACH HXHD #8-32 X .375 |
| χ | A93214 UO-027-PEDE-155-0135 | 181 | CONNECTOR 1" SEALTITE |
| χ | A93214 UO-027-PEDE-155-0135 | 182 | ELBOW 1 90DEG CONNECTING |
| χ | A93214 UO-027-PEDE-155-0135 | 183 | CONDUIT 1 FLEX |
| χ | A93214 UO-027-PEDE-155-0135 | 184 | PIPE CLAMP 1" |
| χ | A93214 UO-027-PEDE-155-0135 | 185 | ELBOW .75 90DEG |
| χ | A93214 UO-027-PEDE-155-0135 | 186 | CONNECTOR .75 STRAIGHT |
| χ | A93214 UO-027-PEDE-155-0135 | 187 | CONDUIT .75 FLEX (100'/BX) |
| χ | A93214 UO-027-PEDE-155-0135 | 189 | UNION TEE |
| χ | A93214 UO-027-PEDE-155-0135 | 190 | TIE-CABLE |
| χ | A93214 UO-027-PEDE-155-0135 | 191 | #14 AWG INSULATED WIRE |
| χ | A93214 UO-027-PEDE-155-0135 | 192 | REDUCING BUSHING 3/4 X 1/2 |
| χ | A93214 UO-027-PEDE-155-0135 | 193 | 4-WAY INLINE CONTROL VALVE |
| χ | A93214 UO-027-PEDE-155-0135 | 194 | CONNECT .50OD TUBE/.50NPT MALE |
| χ | A93214 UO-027-PEDE-155-0135 | 195 | CONNECT .50OD TUBE/.25NPT MALE |
| χ | A93214 UO-027-PEDE-155-0135 | 196 | .50 TUBE UNION ELBOW |

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| χ | A93214 UO-027-PEDE-155-0135 | 197 | .50 TUBE UNION CROSS |
| χ | A93214 UO-027-PEDE-155-0135 | 198 | CONN TEE .50 TUBE/.50NPT FEM |
| χ | A93214 UO-027-PEDE-155-0135 | 199 | 50OD TUBE/.50NPT MALE 90 ELBOW |
| χ | A93214 UO-027-PEDE-155-0135 | 200 | DUAL TUBING STRAP-1/2" |
| χ | A93214 UO-027-PEDE-155-0135 | 201 | #6 LOCKING FORK TERMINAL LUG |
| χ | A93214 UO-027-PEDE-155-0135 | 202 | WIRE MARKERS |
| χ | A93214 UO-027-PEDE-155-0135 | 203 | #8 LOCKING FORK TERMINAL LUG |
| χ | A93214 UO-027-PEDE-155-0135 | 204 | NUT HEX .375-16UNC A563A |
| χ | A93214 UO-027-PEDE-155-0135 | 205 | CAP-PIPE 1.25 CL150 NPT A197 |
| χ | A93214 UO-027-PEDE-155-0135 | 206 | PLUG-SQ HD SOLID .50 NPT |
| χ | A93214 UO-027-PEDE-155-0135 | 207 | SCRCAP HH .250-20 X.750 J429G2 |
| χ | A93214 UO-027-PEDE-155-0135 | 208 | SCRCAP HH .250-20 X1.25 J429G2 |
| χ | A93214 UO-027-PEDE-155-0135 | 209 | SCRCAP HH .375-16 X1.25 J429G2 |
| χ | A93214 UO-027-PEDE-155-0135 | 210 | WASHER PLAIN .375 TYP-A(W)A569 |
| χ | A93214 UO-027-PEDE-155-0135 | 211 | LOCKWASHER .250 REG SPRG A510 |
| χ | A93214 UO-027-PEDE-155-0135 | 212 | LOCKWASHER .375 REG SPRG A510 |
| χ | A93214 UO-027-PEDE-155-0135 | 213 | LOCKWASHER #8 REG SPRG A510 |
| χ | A93214 UO-027-PEDE-155-0135 | 298 | METER PURGE |
| χ | A93214 UO-027-PEDE-155-0135 | 300 | REGULATOR AIR PRESSURE |
| χ | A93214 UO-027-PEDE-155-0135 | 301 | FITTING-ASSY ASPIRATING |
| χ | A93214 UO-027-PEDE-155-0135 | 302 | THERMOWELL |
| χ | A93214 UO-027-PEDE-155-0135 | 303 | COUPLING 18" PIPE - STYLE 38 |
| χ | A93214 UO-027-PEDE-155-0135 | 304 | BUSHING-HEX HD 2.00 X 1.50 NPT |
| χ | A93214 UO-027-PEDE-155-0136 | 167 | ELBOW 1 45DEG CONNECTING |
| χ | A93214 UO-027-PEDE-155-0136 | 169 | TERMINAL BOX BRACKET |
| χ | A93214 UO-027-PEDE-155-0136 | 170 | PIPE CLAMP SUPPORT |
| χ | A93214 UO-027-PEDE-155-0136 | 171 | PIPE CLAMP SUPPORT |
| χ | A93214 UO-027-PEDE-155-0136 | 172 | 1" UNILET SUPPORT |
| χ | A93214 UO-027-PEDE-155-0136 | 173 | 1" UNILET SUPPORT |
| χ | A93214 UO-027-PEDE-155-0136 | 174 | TERMINAL BOX ASSY |
| χ | A93214 UO-027-PEDE-155-0136 | 175 | U-BOLT 4 PIPE W/NUTS |
| χ | A93214 UO-027-PEDE-155-0136 | 176 | U-BOLT 1.25" PIPE W/NUTS |
| χ | A93214 UO-027-PEDE-155-0136 | 177 | UNILET 1" W/COVER & BRACKET |
| χ | A93214 UO-027-PEDE-155-0136 | 178 | SCRCAP HH 1.250-7 X 1.750 A449 |

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| χ | A93214 UO-027-PEDE-155-0136 | 179 | SCRCAP HH 1.250-7 X 2.000 A449 |
| χ | A93214 UO-027-PEDE-155-0136 | 180 | SCR-MACH HXHD #8-32 X .375 |
| χ | A93214 UO-027-PEDE-155-0136 | 181 | CONNECTOR 1" SEALTITE |
| χ | A93214 UO-027-PEDE-155-0136 | 182 | ELBOW 1 90DEG CONNECTING |
| χ | A93214 UO-027-PEDE-155-0136 | 184 | PIPE CLAMP 1" |
| χ | A93214 UO-027-PEDE-155-0136 | 185 | ELBOW .75 90DEG |
| χ | A93214 UO-027-PEDE-155-0136 | 186 | CONNECTOR .75 STRAIGHT |
| χ | A93214 UO-027-PEDE-155-0136 | 189 | UNION TEE |
| χ | A93214 UO-027-PEDE-155-0136 | 190 | TIE-CABLE |
| χ | A93214 UO-027-PEDE-155-0136 | 192 | REDUCING BUSHING 3/4 X 1/2 |
| χ | A93214 UO-027-PEDE-155-0136 | 193 | 4-WAY INLINE CONTROL VALVE |
| χ | A93214 UO-027-PEDE-155-0136 | 194 | CONNECT .50OD TUBE/.50NPT MALE |
| χ | A93214 UO-027-PEDE-155-0136 | 195 | CONNECT .50OD TUBE/.25NPT MALE |
| χ | A93214 UO-027-PEDE-155-0136 | 196 | .50 TUBE UNION ELBOW |
| χ | A93214 UO-027-PEDE-155-0136 | 197 | .50 TUBE UNION CROSS |
| χ | A93214 UO-027-PEDE-155-0136 | 198 | CONN TEE .50 TUBE/.50NPT FEM |
| χ | A93214 UO-027-PEDE-155-0136 | 199 | 50OD TUBE/.50NPT MALE 90 ELBOW |
| χ | A93214 UO-027-PEDE-155-0136 | 200 | DUAL TUBING STRAP-1/2" |
| χ | A93214 UO-027-PEDE-155-0136 | 201 | #6 LOCKING FORK TERMINAL LUG |
| χ | A93214 UO-027-PEDE-155-0136 | 202 | WIRE MARKERS |
| χ | A93214 UO-027-PEDE-155-0136 | 203 | #8 LOCKING FORK TERMINAL LUG |
| χ | A93214 UO-027-PEDE-155-0136 | 204 | NUT HEX .375-16UNC A563A |
| χ | A93214 UO-027-PEDE-155-0136 | 205 | CAP-PIPE 1.25 CL150 NPT A197 |
| χ | A93214 UO-027-PEDE-155-0136 | 206 | PLUG-SQ HD SOLID .50 NPT |
| χ | A93214 UO-027-PEDE-155-0136 | 207 | SCRCAP HH .250-20 X.750 J429G2 |
| χ | A93214 UO-027-PEDE-155-0136 | 208 | SCRCAP HH .250-20 X1.25 J429G2 |
| χ | A93214 UO-027-PEDE-155-0136 | 209 | SCRCAP HH .375-16 X1.25 J429G2 |
| χ | A93214 UO-027-PEDE-155-0136 | 210 | WASHER PLAIN .375 TYP-A(W)A569 |
| χ | A93214 UO-027-PEDE-155-0136 | 211 | LOCKWASHER .250 REG SPRG A510 |
| χ | A93214 UO-027-PEDE-155-0136 | 212 | LOCKWASHER .375 REG SPRG A510 |
| χ | A93214 UO-027-PEDE-155-0136 | 213 | LOCKWASHER #8 REG SPRG A510 |

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| X | A93214 UO-027-PEDE-155-0136 | 298 | METER PURGE |
| X | A93214 UO-027-PEDE-155-0136 | 300 | REGULATOR AIR PRESSURE |
| X | A93214 UO-027-PEDE-155-0136 | 301 | FITTING-ASSY ASPIRATING |
| X | A93214 UO-027-PEDE-155-0136 | 302 | THERMOWELL |
| X | A93214 UO-027-PEDE-155-0136 | 303 | COUPLING 18" PIPE - STYLE 38 |
| X | A93214 UO-027-PEDE-155-0136 | 304 | BUSHING-HEX HD 2.00 X 1.50 NPT |
| X | A93214 UO-028-PEDE-155-0019 | 166 | SEP TOP - DYN CL (MACH/ASSY) |
| X | A93214 UO-030-PEDE-155-0149 | 045 | SCRCAP HH 1.250-7 X 3.500 A449 |
| X | A93214 UO-030-PEDE-155-0149 | 046 | STUD .625X 2" LG THD FULL LGTH |
| X | A93214 UO-030-PEDE-155-0149 | 047 | STOP BOLT-3.5-4ACME-2G X32.88L |
| X | A93214 UO-030-PEDE-155-0149 | 048 | STOP BOLT NUT/WASHER |
| X | A93214 UO-030-PEDE-155-0149 | 049 | V-BELT |
| X | A93214 UO-030-PEDE-155-0149 | 050 | SCRAPER WEAR PLATE |
| X | A93214 UO-030-PEDE-155-0149 | 051 | STUD 1-12UNF-2A X 17.0 LG |
| X | A93214 UO-030-PEDE-155-0149 | 052 | VERT SHAFT STUD 1.75-5 X 15 LG |
| X | A93214 UO-030-PEDE-155-0149 | 053 | ELEMENT DISPOSABLE FILTER |
| X | A93214 UO-030-PEDE-155-0149 | 054 | KEY - STOP BOLT |
| X | A93214 UO-030-PEDE-155-0149 | 055 | WASHER PLAIN .500 TYP-A(N)A569 |
| X | A93214 UO-030-PEDE-155-0149 | 056 | SCRSET HXSOC 1.00-8X3.75 H-DPT |
| X | A93214 UO-030-PEDE-155-0149 | 057 | SCRSET HXSOC 1.25-7X1.25 OVLPT |
| X | A93214 UO-030-PEDE-155-0149 | 058 | SCRCAP HH 1.000-8 X 3.500 A449 |
| X | A93214 UO-030-PEDE-155-0149 | 059 | WASHER PLAIN 1.000 TYB (N)HARD |
| X | A93214 UO-030-PEDE-155-0149 | 060 | WASHER PLAIN 1.250 TYB (N)HARD |
| X | A93214 UO-030-PEDE-155-0149 | 061 | WASHER PLAIN .375 TYB (W) HARD |
| X | A93214 UO-030-PEDE-155-0149 | 062 | WASHER PLAIN 1.500 TYB (R)HARD |
| X | A93214 UO-030-PEDE-155-0149 | 063 | SCRCAP HXSOC 1.00-8 X4.50 A574 |
| X | A93214 UO-030-PEDE-155-0149 | 064 | CAPSCREW .625-11 X 2.0LG HEX |
| X | A93214 UO-030-PEDE-155-0149 | 065 | ROD-DET .375-16 UNC X 3.00 LG |
| X | A93214 UO-030-PEDE-155-0149 | 066 | GASKET 1/4"THK X 3" WD |
| X | A93214 UO-030-PEDE-155-0149 | 067 | 1.75" TORQUE NUT |
| X | A93214 UO-030-PEDE-155-0149 | 068 | PACKING .75 SQ. X 180.00 LG. |
| X | A93214 UO-030-PEDE-155-0149 | 070 | PRESSURE SWITCH |
| X | A93214 UO-030-PEDE-155-0149 | 071 | FLOW SWITCH  W/ INDICATOR |
| X | A93214 UO-030-PEDE-155-0149 | 072 | PRESSURE GAUGE |
| X | A93214 UO-030-PEDE-155-0149 | 073 | THERMOMETER |
| X | A93214 UO-030-PEDE-155-0149 | 074 | FLOAT TYPE LEVEL SWITCH |
| X | A93214 UO-030-PEDE-155-0149 | 075 | THERMOCOUPLE & HEAD |
| X | A93214 UO-030-PEDE-155-0149 | 076 | THERMOCOUPLE & HEAD |
| X | A93214 UO-030-PEDE-155-0149 | 077 | THERMOCOUPLE & HEAD |
| X | A93214 UO-030-PEDE-155-0149 | 078 | THERMOCOUPLE & HEAD |
| X | A93214 UO-030-PEDE-155-0149 | 079 | THERMOCOUPLE & HEAD |
| X | A93214 UO-030-PEDE-155-0149 | 080 | NUT HVY HEX 1.00-8UNC A563A |
| X | A93214 UO-030-PEDE-155-0149 | 081 | NUT HEX .750-10UNC A563A |
| X | A93214 UO-030-PEDE-155-0149 | 082 | NUT HEX .375-16UNC A563A |
| X | A93214 UO-030-PEDE-155-0149 | 083 | NUT HEX .500-13UNC A563A |
| X | A93214 UO-030-PEDE-155-0149 | 084 | NUT HEX .625-11UNC A563A |
| X | A93214 UO-030-PEDE-155-0149 | 085 | NUT HEX 1.00-12UNF A563A |
| X | A93214 UO-030-PEDE-155-0149 | 086 | NUT JAM HEX .375-16UNC A563A |
| X | A93214 UO-030-PEDE-155-0149 | 087 | SCRCAP HH .375-16 X.750 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 088 | SCRCAP HH .375-16 X1.00 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 089 | SCRCAP HH .375-16 X1.25 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 090 | SCRCAP HH .500-13 X1.25 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 091 | SCRCAP HH .500-13 X1.75 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 092 | SCRCAP HH .625-11 X1.50 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 093 | SCRCAP HH .625-11 X1.75 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 094 | SCRCAP HH .625-11 X2.00 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 095 | SCRCAP HH .625-11 X2.75 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 096 | SCRCAP HH .625-11 X4.00 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 097 | SCRCAP HH .750-10 X2.00 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 098 | SCRCAP HH .750-10 X3.00 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 099 | SCRCAP HH .750-10 X3.50 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 100 | SCRCAP HH 1.00-8 X 4.00 J429G2 |
| X | A93214 UO-030-PEDE-155-0149 | 101 | SCRCAP HXSOC.375-16 X.750 A574 |

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|---|---|---|---|
| X | A93214 UO-030-PEDE-155-0149 | 102 | SCRCAP HXSOC.500-13 X1.00 A574 |
| X | A93214 UO-030-PEDE-155-0149 | 103 | SCRCAP HXSOC.500-13 X1.25 A574 |
| X | A93214 UO-030-PEDE-155-0149 | 104 | SCRCAP HXSOC.500-13 X1.50 A574 |
| X | A93214 UO-030-PEDE-155-0149 | 105 | SCRCAP HXSOC.625-11 X1.50 A574 |
| X | A93214 UO-030-PEDE-155-0149 | 106 | SCRCAP HXSOC.625-11 X2.25 A574 |
| X | A93214 UO-030-PEDE-155-0149 | 107 | SCRCAP HXSOC.750-10 X2.00 A574 |
| X | A93214 UO-030-PEDE-155-0149 | 108 | SCRCAP HXSOC 1.00-8 X3.00 A574 |
| X | A93214 UO-030-PEDE-155-0149 | 109 | WASHER PLAIN .500 TYP-A(W)A569 |
| X | A93214 UO-030-PEDE-155-0149 | 110 | WASHER PLAIN .625 TYP-A(W)A569 |
| X | A93214 UO-030-PEDE-155-0149 | 111 | LOCKWASHER .375 REG SPRG A510 |
| X | A93214 UO-030-PEDE-155-0149 | 112 | LOCKWASHER .625 REG SPRG A510 |
| X | A93214 UO-030-PEDE-155-0149 | 113 | SCRCAP HH .750-10 X 2.000 A449 |
| X | A93214 UO-030-PEDE-155-0149 | 114 | SCRCAP HH 1.000-8 X 2.750 A449 |
| X | A93214 UO-030-PEDE-155-0149 | 115 | SCRCAP HH 1.000-8 X 4.000 A449 |
| X | A93214 UO-030-PEDE-155-0149 | 116 | SCRCAP HH 1.500-6 X 5.500 A449 |
| X | A93214 UO-030-PEDE-155-0149 | 117 | CAPSCR HEX SOC HD 1.25 X 3.5LG |
| X | A93214 UO-030-PEDE-155-0150 | 032 | GRDNG ROLL REMVL LUG (WD/MACH) |
| X | A93214 UO-030-PEDE-155-0151 | 037 | TILT-OUT BRACKET ASSY. |
| X | A93214 UO-030-PEDE-155-0152 | 001 | PIN |
| X | A93214 UO-030-PEDE-155-0152 | 002 | BOWL EXT RING HOISTING CLEVIS |
| X | A93214 UO-030-PEDE-155-0152 | 003 | NUT HVY HEX 2.00-4.5UNC A563A |
| X | A93214 UO-030-PEDE-155-0152 | 004 | SCRCAP HH .500-13 X 2.750 A449 |
| X | A93214 UO-030-PEDE-155-0152 | 005 | EYE-BOLT 2.0 DIA |
| X | A93214 UO-030-PEDE-155-0152 | 006 | NUT JAM HVY HEX .500-13 A563A |
| X | A93214 UO-030-PEDE-155-0152 | 007 | WASHER PLAIN 2.000 TYP-A A569 |
| X | A93214 UO-030-PEDE-155-0152 | 008 | CAPSCREW 1-8 X 7.25LG HEX |
| X | A93214 UO-030-PEDE-155-0152 | 009 | LUG TILT-OUT/LIFTING |
| X | A93214 UO-030-PEDE-155-0152 | 010 | JRNL STOP BOLT/NUT WRENCH |
| X | A93214 UO-030-PEDE-155-0152 | 011 | OIL DIPSTICK |
| X | A93214 UO-030-PEDE-155-0152 | 012 | 34"CYCLONE & SAMPL NOZZLE ASSY |
| X | A93214 UO-030-PEDE-155-0152 | 013 | WIRE - 4 GA X 110.0 LG |
| X | A93214 UO-030-PEDE-155-0152 | 014 | HYDRAULIC PUMPING UNIT |
| X | A93214 UO-030-PEDE-155-0152 | 015 | HYDRAULIC TORQUE WRENCH |
| X | A93214 UO-030-PEDE-155-0152 | 016 | HYDRAULIC STUD TENSIONER |
| X | A93214 UO-030-PEDE-155-0152 | 017 | 2 1/4" 6PT SOCKET - 1" SQ DRIV |
| X | A93214 UO-030-PEDE-155-0152 | 018 | 7/8" HVY HEX SOC DRVR-1 SQ DRV |
| X | A93214 UO-030-PEDE-155-0152 | 019 | HAND OPERATED HYD PUMP |
| X | A93214 UO-030-PEDE-155-0152 | 020 | NUT HVY HEX 1.500-6UNC A563A |
| X | A93214 UO-030-PEDE-155-0152 | 021 | CYLINDER SET 60 TON HAND PUMP |
| X | A93214 UO-030-PEDE-155-0152 | 022 | STUD ADJUSTING PRELOAD |
| X | A93214 UO-030-PEDE-155-0152 | 023 | SPANNER WRENCH-ADJST 6.12-8.75 |
| X | A93214 UO-030-PEDE-155-0152 | 024 | SPRING PRELOAD FIXT (WD/MACH) |
| X | A93214 UO-030-PEDE-155-0152 | 025 | SCRCAP HH .500-13 X1.75 J429G2 |
| X | A93214 UO-030-PEDE-155-0152 | 026 | SCRCAP HH .500-13 X2.00 J429G2 |
| X | A93214 UO-030-PEDE-155-0152 | 027 | WASHER PLAIN 1.50 TYP-A(W)A569 |
| X | A93214 UO-030-PEDE-155-0152 | 028 | WASHER PLAIN 1.000 TYB (N)HARD |
| X | A93214 UO-030-PEDE-155-0152 | 029 | WASHER PLAIN 1.500 TYB (N)HARD |
| X | A93214 UO-030-PEDE-155-0152 | 030 | SCRCAP HXSOC 1.00-8 X4.50 A574 |
| X | A93214 UO-030-PEDE-155-0152 | 031 | SCRCAP HXSOC 1.50-6 X5.00 A574 |
| X | A93214 UO-030-PEDE-155-0152 | 033 | SUPERSEDED BY 1278-32 |
| X | A93214 UO-030-PEDE-155-0152 | 034 | WIRE ROPE CABLE - 183" O.A.L. |
| X | A93214 UO-030-PEDE-155-0152 | 035 | SNATCH BLOCK (CROSBY #407) |
| X | A93214 UO-030-PEDE-155-0152 | 036 | BRACKET ASSY SAFETY |
| X | A93214 UO-030-PEDE-155-0152 | 038 | LUG |
| X | A93214 UO-030-PEDE-155-0152 | 039 | SCRCAP HH .625-11 X2.25 J429G2 |
| X | A93214 UO-030-PEDE-155-0152 | 040 | SCRCAP HH 1.00-8 X 2.50 J429G2 |
| X | A93214 UO-030-PEDE-155-0152 | 041 | WASHER PLAIN .625 TYP-A(W)A569 |
| X | A93214 UO-030-PEDE-155-0152 | 042 | DRIVE ADJUSTMENT BLOCK |
| X | A93214 UO-030-PEDE-155-0152 | 043 | SCRSET HXSOC 1.00-8X3.75 H-DPT |
| X | A93214 UO-030-PEDE-155-0152 | 044 | SCRCAP HH 1.00-8 X 4.00 J429G2 |
| X | A93214 UO-032-PEDE-155-0204 | 001 | PLANETARY GEARBOX ASSEMBLY WITH PLANETARY GEARBO |
| X | A93214 UO-032-PEDE-155-0204 | 001A | MILL MOTOR COUPLING HALF |

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| x | A93214 UO-032-PEDE-155-0204 | 007 | SPACER |
| x | A93214 UO-032-PEDE-155-0204 | 008 | ELEMENTS |
| x | A93214 UO-032-PEDE-155-0204 | 009 | #16 BOLTS |
| x | A93214 UO-032-PEDE-155-0204 | 010 | #16 WASHERS |
| x | A93214 UO-032-PEDE-155-0204 | 011 | #16 NUTS |
| x | A93214 UO-032-PEDE-155-0205 | 002 | PLANETARY GEARBOX ASSEMBLY WITH PLANETARY GEARBO |
| x | A93214 UO-032-PEDE-155-0205 | 002A | MILL MOTOR COUPLING HALF |
| x | A93214 UO-032-PEDE-155-0205 | 007 | SPACER |
| x | A93214 UO-032-PEDE-155-0205 | 008 | ELEMENTS |
| x | A93214 UO-032-PEDE-155-0205 | 009 | #16 BOLTS |
| x | A93214 UO-032-PEDE-155-0205 | 010 | #16 WASHERS |
| x | A93214 UO-032-PEDE-155-0205 | 011 | #16 NUTS |
| x | A93214 UO-032-PEDE-155-0206 | 003 | PLANETARY GEARBOX ASSEMBLY WITH PLANETARY GEARBO |
| x | A93214 UO-032-PEDE-155-0206 | 003A | MILL MOTOR COUPLING HALF |
| x | A93214 UO-032-PEDE-155-0206 | 007 | SPACER |
| x | A93214 UO-032-PEDE-155-0206 | 008 | ELEMENTS |
| x | A93214 UO-032-PEDE-155-0206 | 009 | #16 BOLTS |
| x | A93214 UO-032-PEDE-155-0206 | 010 | #16 WASHERS |
| x | A93214 UO-032-PEDE-155-0206 | 011 | #16 NUTS |
| x | A93214 UO-032-PEDE-155-0207 | 004 | PLANETARY GEARBOX ASSEMBLY WITH PLANETARY GEARBO |
| x | A93214 UO-032-PEDE-155-0207 | 004A | MILL MOTOR COUPLING HALF |
| x | A93214 UO-032-PEDE-155-0207 | 007 | SPACER |
| x | A93214 UO-032-PEDE-155-0207 | 008 | ELEMENTS |
| x | A93214 UO-032-PEDE-155-0207 | 009 | #16 BOLTS |
| x | A93214 UO-032-PEDE-155-0207 | 010 | #16 WASHERS |
| x | A93214 UO-032-PEDE-155-0207 | 011 | #16 NUTS |
| x | A93214 UO-032-PEDE-155-0208 | 005 | PLANETARY GEARBOX ASSEMBLY WITH PLANETARY GEARBO |
| x | A93214 UO-032-PEDE-155-0208 | 005A | MILL MOTOR COUPLING HALF |
| x | A93214 UO-032-PEDE-155-0208 | 007 | SPACER |
| x | A93214 UO-032-PEDE-155-0208 | 008 | ELEMENTS |
| x | A93214 UO-032-PEDE-155-0208 | 009 | #16 BOLTS |
| x | A93214 UO-032-PEDE-155-0208 | 010 | #16 WASHERS |
| x | A93214 UO-032-PEDE-155-0208 | 011 | #16 NUTS |
| x | A93214 UO-032-PEDE-155-0209 | 006 | PLANETARY GEARBOX ASSEMBLY WITH PLANETARY GEARBO |
| x | A93214 UO-032-PEDE-155-0209 | 006A | MILL MOTOR COUPLING HALF |
| x | A93214 UO-032-PEDE-155-0209 | 007 | SPACER |
| x | A93214 UO-032-PEDE-155-0209 | 008 | ELEMENTS |
| x | A93214 UO-032-PEDE-155-0209 | 009 | #16 BOLTS |
| x | A93214 UO-032-PEDE-155-0209 | 010 | #16 WASHERS |
| x | A93214 UO-032-PEDE-155-0209 | 011 | #16 NUTS |
| x | A93214 UO-035-PEDE-155-0039 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-035-PEDE-155-0041 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-035-PEDE-155-0042 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-036-PEDE-155-0037 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-036-PEDE-155-0038 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-036-PEDE-155-0040 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-037-PEDE-155-0043 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-037-PEDE-155-0045 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-037-PEDE-155-0046 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-038-PEDE-155-0047 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-038-PEDE-155-0051 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-038-PEDE-155-0052 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-039-PEDE-155-0044 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-039-PEDE-155-0053 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-039-PEDE-155-0054 | 217 | JOURNAL SHAFT ASSEMBLY |
| x | A93214 UO-040-PEDE-155-0055 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| x | A93214 UO-040-PEDE-155-0056 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| x | A93214 UO-040-PEDE-155-0058 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |

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| X | A93214 UO-040-PEDE-155-0059 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-040-PEDE-155-0060 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-040-PEDE-155-0061 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-040-PEDE-155-0062 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-041-PEDE-155-0057 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-041-PEDE-155-0063 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-041-PEDE-155-0064 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-041-PEDE-155-0065 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-042-PEDE-155-0048 | 217 | JOURNAL SHAFT ASSEMBLY |
| X | A93214 UO-042-PEDE-155-0049 | 217 | JOURNAL SHAFT ASSEMBLY |
| X | A93214 UO-042-PEDE-155-0050 | 217 | JOURNAL SHAFT ASSEMBLY |
| X | A93214 UO-043-PEDE-155-0066 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-043-PEDE-155-0067 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-043-PEDE-155-0068 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-043-PEDE-155-0069 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-043-PEDE-155-0070 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-043-PEDE-155-0071 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-043-PEDE-155-0072 | 219 | JRNL HEAD & TRUNN SHAFT ASSY |
| X | A93214 UO-044-PEDE-155-0097 | 224 | SCRCAP HH 1.250-7 X 3.500 A449 |
| X | A93214 UO-044-PEDE-155-0105 | 316 | STUD .625X 2" LG THD FULL LGTH |
| X | A93214 UO-044-PEDE-155-0105 | 317 | CLIP 1.5 X 1.5 X.12 X1.25LG |
| X | A93214 UO-044-PEDE-155-0105 | 318 | MOTOR MOUNTING ADAPTOR PLATE |
| X | A93214 UO-044-PEDE-155-0105 | 319 | BAR-DET .625 DIA X 47.5 LG |
| X | A93214 UO-044-PEDE-155-0105 | 320 | DRIVER SHEAVE |
| X | A93214 UO-044-PEDE-155-0105 | 321 | V-BELT |
| X | A93214 UO-044-PEDE-155-0105 | 322 | FEED PIPE SUPPORT PLATE |
| X | A93214 UO-044-PEDE-155-0105 | 326 | SUPPORT BRACKET |
| X | A93214 UO-044-PEDE-155-0105 | 328 | DRIVE GUARD SEGMENT |
| X | A93214 UO-044-PEDE-155-0105 | 338 | STUD 1-12UNF-2A X 17.0 LG |
| X | A93214 UO-044-PEDE-155-0105 | 339 | ADAPTER PIPE |
| X | A93214 UO-044-PEDE-155-0105 | 341 | SEAL-PL (2 HALVES / RING) |
| X | A93214 UO-044-PEDE-155-0105 | 342 | MOTOR BASE |
| X | A93214 UO-044-PEDE-155-0105 | 344 | FITTING .25 GREASE |
| X | A93214 UO-044-PEDE-155-0105 | 345 | KEY 1/2"SQ X 3 7/8"LG SQ ENDS |
| X | A93214 UO-044-PEDE-155-0105 | 346 | PIPE-DET 2.0 SCH40 X 57.0 LG |
| X | A93214 UO-044-PEDE-155-0105 | 347 | PIPE-DET 2 SCH40 X 27.0 LG |
| X | A93214 UO-044-PEDE-155-0105 | 348 | ANG-DET 1.75 X1.75 X.25 X15.0L |
| X | A93214 UO-044-PEDE-155-0105 | 350 | ELBOW 90 DEG RED. .25 X .125 |
| X | A93214 UO-044-PEDE-155-0105 | 351 | HOSE ASSEMBLY |
| X | A93214 UO-044-PEDE-155-0105 | 352 | PIPE STRAP-.50" |
| X | A93214 UO-044-PEDE-155-0105 | 353 | NOZZLE |
| X | A93214 UO-044-PEDE-155-0105 | 355 | NUT HVY HEX 1.00-8UNC A563A |
| X | A93214 UO-044-PEDE-155-0105 | 356 | NUT HEX .250-20UNC A563A |
| X | A93214 UO-044-PEDE-155-0105 | 357 | NUT HEX .375-16UNC A563A |
| X | A93214 UO-044-PEDE-155-0105 | 358 | NUT HEX .625-11UNC A563A |
| X | A93214 UO-044-PEDE-155-0105 | 359 | NUT HEX 1.00-12UNF A563A |
| X | A93214 UO-044-PEDE-155-0105 | 360 | NUT JAM HEX .625-11UNC A563A |
| X | A93214 UO-044-PEDE-155-0105 | 361 | CPLG-STR .25 CL150 NPT |
| X | A93214 UO-044-PEDE-155-0105 | 362 | SCRCAP HH .250-20 X.750 J429G2 |
| X | A93214 UO-044-PEDE-155-0105 | 363 | SCRCAP HH .375-16 X.750 J429G2 |
| X | A93214 UO-044-PEDE-155-0105 | 364 | SCRCAP HH .375-16 X1.00 J429G2 |
| X | A93214 UO-044-PEDE-155-0105 | 365 | SCRCAP HH .625-11 X1.75 J429G2 |
| X | A93214 UO-044-PEDE-155-0105 | 366 | SCRCAP HH .625-11 X2.00 J429G2 |
| X | A93214 UO-044-PEDE-155-0105 | 367 | SCRCAP HH .750-10 X2.00 J429G2 |
| X | A93214 UO-044-PEDE-155-0105 | 368 | SCRCAP HXSOC.375-16 X.750 A574 |
| X | A93214 UO-044-PEDE-155-0105 | 369 | SCRCAP HXSOC.625-11 X2.25 A574 |
| X | A93214 UO-044-PEDE-155-0105 | 370 | SCRCAP HXSOC.750-10 X2.00 A574 |
| X | A93214 UO-044-PEDE-155-0105 | 371 | WASHER PLAIN .250 TYP-A(W)A569 |
| X | A93214 UO-044-PEDE-155-0105 | 372 | LOCKWASHER .375 REG SPRG A510 |
| X | A93214 UO-044-PEDE-155-0105 | 373 | LOCKWASHER .625 REG SPRG A510 |
| X | A93214 UO-044-PEDE-155-0105 | 374 | NIPPLE-LG .12X 4.00SCH40NPT |
| X | A93214 UO-044-PEDE-155-0105 | 375 | SCRCAP HH 1.000-8 X 2.750 A449 |
| X | A93214 UO-044-PEDE-155-0105 | 376 | SCRCAP HH 1.000-8 X 4.000 A449 |

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| χ | A93214 UO-044-PEDE-155-0106 | 343 | RING-HV .75 X 1.50 X 167.50 LG |
| χ | A93214 UO-044-PEDE-155-0123 | 337 | CENTER FEED PIPE 18" |
| χ | A93214 UO-044-PEDE-155-0124 | 340 | CENTER FEED PIPE-LOWER (18"OD) |
| χ | A93214 UO-045-PEDE-155-0118 | 354 | DRIVE ASSEMBLY |
| χ | A93214 UO-045-PEDE-155-0119 | 354 | DRIVE ASSEMBLY |
| χ | A93214 UO-045-PEDE-155-0120 | 354 | DRIVE ASSEMBLY |
| χ | A93214 UO-045-PEDE-155-0122 | 329 | ROTOR - 60 BLADES |
| χ | A93214 UO-046-PEDE-155-0115 | 354 | DRIVE ASSEMBLY |
| χ | A93214 UO-046-PEDE-155-0116 | 354 | DRIVE ASSEMBLY |
| χ | A93214 UO-046-PEDE-155-0117 | 354 | DRIVE ASSEMBLY |
| χ | A93214 UO-046-PEDE-155-0121 | 329 | ROTOR - 60 BLADES |
| χ | A93214 UO-047-PEDE-155-0091 | 227 | JOURNAL SPRING ASSEMBLY |
| χ | A93214 UO-047-PEDE-155-0092 | 227 | JOURNAL SPRING ASSEMBLY |
| χ | A93214 UO-047-PEDE-155-0093 | 227 | JOURNAL SPRING ASSEMBLY |
| χ | A93214 UO-047-PEDE-155-0094 | 227 | JOURNAL SPRING ASSEMBLY |
| χ | A93214 UO-047-PEDE-155-0095 | 227 | JOURNAL SPRING ASSEMBLY |
| χ | A93214 UO-047-PEDE-155-0112 | 323 | ROTOR SUPPORT |
| χ | A93214 UO-048-PEDE-155-0196 | 001 | 40 HP MOTOR |
| x | A93214 UO-048-PEDE-155-0197 | 002 | 40 HP MOTOR |
| x | A93214 UO-048-PEDE-155-0198 | 003 | 40 HP MOTOR |
| x | A93214 UO-048-PEDE-155-0199 | 004 | 40 HP MOTOR |
| x | A93214 UO-048-PEDE-155-0200 | 005 | 40 HP MOTOR |
| x | A93214 UO-048-PEDE-155-0201 | 006 | 40 HP MOTOR |
| χ | A93214 UO-048-PEDE-155-0202 | 007 | PWM Motor Controller |
| χ | A93214 UO-048-PEDE-155-0202 | 008 | PWM Motor Controller |
| χ | A93214 UO-048-PEDE-155-0202 | 009 | PWM Motor Controller |
| χ | A93214 UO-048-PEDE-155-0202 | 010 | PWM Motor Controller |
| χ | A93214 UO-048-PEDE-155-0202 | 011 | PWM Motor Controller |
| χ | A93214 UO-048-PEDE-155-0202 | 012 | PWM Motor Controller |
| χ | A93796 UO-058-PEDE-155-0380 | 1115 | TADPOLE SEAL-INCONNEL/VITON |
| χ | A93796 UO-058-PEDE-155-0380 | 1116 | MOTOR & BASE ASSY ARRGT 1 |
| χ | A93796 UO-058-PEDE-155-0380 | 1118 | PL-DET .375 X 1.875 X 17.75 |
| χ | A93796 UO-058-PEDE-155-0380 | 1119 | CLAMP HY-GEAR |
| χ | A93796 UO-058-PEDE-155-0380 | 1120 | LOCTITE GASKET SEALANT #2-3 OZ |
| χ | A93796 UO-058-PEDE-155-0380 | 1121 | LUBRICANT PASTE-MOLYBDENUM |
| χ | A93796 UO-058-PEDE-155-0380 | 1122 | NUT .625-11 HEAVY HEX(11-1006) |
| χ | A93796 UO-058-PEDE-155-0380 | 1123 | NUT #10-32 HEX |
| χ | A93796 UO-058-PEDE-155-0380 | 1124 | NUT .3125-18 FIN HEX |
| χ | A93796 UO-058-PEDE-155-0380 | 1125 | WASHER 1 TYPE A STYLE W |
| χ | A93796 UO-058-PEDE-155-0380 | 1126 | SETSCREW .25-20X.375 HEX CP PT |
| χ | A93796 UO-058-PEDE-155-0380 | 1127 | PLUG 1.5 SQUARE HEAD PIPE |
| χ | A93796 UO-058-PEDE-155-0380 | 1128 | PIN .125 X 1.5LG SPRING COTTER |
| χ | A93796 UO-058-PEDE-155-0380 | 1129 | CAPSCREW .3125-18 X .875LG HEX |

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| χ | A93796 UO-058-PEDE-155-0380 | 1130 | SETSCREW .375-16X.625 SKT HD |
| χ | A93796 UO-058-PEDE-155-0380 | 1131 | SCREW #10-32X2.5 SLOT RD MACH |
| χ | A93796 UO-058-PEDE-155-0380 | 1132 | RTV-SEALANT HI-TEMP (10.3 OZ) |
| χ | A93796 UO-058-PEDE-155-0380 | 1133 | SEALANT - PIPE(50CC/1.69OZ ) |
| χ | A93796 UO-058-PEDE-155-0380 | 1134 | BOLT .625-11 X 1.75LG HVY HEX |
| χ | A93796 UO-058-PEDE-155-0380 | 1135 | CONNECTOR .5 90DEG LIQ-TIGHT |
| χ | A93796 UO-058-PEDE-155-0380 | 1136 | SWITCH LIMIT |
| χ | A93796 UO-058-PEDE-155-0380 | 1137 | LEVER ROLLER |
| χ | A93796 UO-058-PEDE-155-0380 | 1138 | PIPE-DET 1.5 SCH40X20.75 (TOE) |
| χ | A93796 UO-058-PEDE-155-0380 | 1139 | FLANGE ARRGT DETECTOR HEAD |
| χ | A93796 UO-058-PEDE-155-0380 | 1140 | BRACKET 12GAX5.125X15.25 SUPP |
| χ | A93796 UO-058-PEDE-155-0380 | 1141 | LEVER ASSY LIMIT SWITCH TRIP |
| χ | A93796 UO-058-PEDE-155-0380 | 1142 | SHIELD ASSY WATER |
| χ | A93796 UO-058-PEDE-155-0380 | 1143 | PIPE TEE |
| χ | A93796 UO-058-PEDE-155-0380 | 1144 | PIN 1DIA X 2.75LG MTR BRACKET |
| χ | A93796 UO-058-PEDE-155-0380 | 1145 | BRACKET FOR MOTOR MOUNTING |
| χ | A93796 UO-058-PEDE-155-0380 | 1146 | FEMALE CONNECTOR & CABLE(21FT) |
| χ | A93796 UO-058-PEDE-155-0380 | 1147 | FEMALE CONNECTOR & CABLE(40FT) |
| χ | A93796 UO-058-PEDE-155-0380 | 1148 | FEMALE CONNECTOR & CABLE(30FT) |
| χ | A93796 UO-058-PEDE-155-0380 | 1149 | FEMALE CONNECTOR & CABLE(50FT) |
| χ | A93796 UO-058-PEDE-155-0380 | 1150 | HOT SPOT DETECTOR HEAD ASSY |
| χ | A93796 UO-058-PEDE-155-0380 | 1151 | NUT 1.25-7 HEX JAM |
| χ | A93796 UO-058-PEDE-155-0380 | 1152 | WASHER-.75-PLAIN |
| χ | A93796 UO-058-PEDE-155-0380 | 1153 | PIN .125 X 1.5LG SPRING COTTER |
| χ | A93796 UO-058-PEDE-155-0380 | 1154 | NUT 1.25-7UNC(LEFT HD THD)JAM |
| χ | A93796 UO-058-PEDE-155-0380 | 1155 | PIN .75DIA X 3.625LG |
| χ | A93796 UO-058-PEDE-155-0380 | 1156 | PIN .75DIA X 5.125 LG |
| χ | A93796 UO-058-PEDE-155-0380 | 1157 | END BAR W/ RH THRD |
| χ | A93796 UO-058-PEDE-155-0380 | 1158 | CENTER BAR W/ L & R THDS |
| χ | A93796 UO-058-PEDE-155-0380 | 1159 | END BAR W/ LH THRD |
| χ | A93796 UO-058-PEDE-155-0380 | 1160 | PIPE ASSEMBLY |
| χ | A93796 UO-058-PEDE-155-0380 | 1161 | CLEVIS |
| χ | A93796 UO-058-PEDE-155-0380 | 1162 | NOZZLE-1/4 AIR BLOW DOWN |
| χ | A93796 UO-058-PEDE-155-0380 | 1163 | VALVE .5 SOLENOID(CLOSED)2-WAY |
| χ | A93796 UO-058-PEDE-155-0380 | 1164 | .5 PIPE BRACKET |
| χ | A93796 UO-058-PEDE-155-0380 | 1165 | TEE .5 150# BANDED |
| χ | A93796 UO-058-PEDE-155-0380 | 1166 | ELBOW .5 90DEG 150# BANDED |
| χ | A93796 UO-058-PEDE-155-0380 | 1167 | ELBOW .25 90DEG 150# STREET |
| χ | A93796 UO-058-PEDE-155-0380 | 1168 | UNION .5 150# FEMALE |
| χ | A93796 UO-058-PEDE-155-0380 | 1169 | ELBOW .5 X .25 90DEG REDUCING |
| χ | A93796 UO-058-PEDE-155-0380 | 1170 | NIPPLE .5 X 4LG SCH40 PIPE |
| χ | A93796 UO-058-PEDE-155-0380 | 1171 | NIPPLE .5 X 6LG SCH40 PIPE |

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| χ | A93796 UO-058-PEDE-155-0380 | 1172 | NIPPLE .5 X 11 LG SCH40 PIPE |
| χ | A93796 UO-058-PEDE-155-0380 | 1173 | PIPE-DET .5 X 24 SCH 40 TBE |
| χ | A93796 UO-058-PEDE-155-0380 | 1174 | PIPE-DET .5 X 26.56 SCH 40 TBE |
| χ | A94215 UO-001-PEDE-043-0001 | 001 | 12" Knife Gate Vlv DeZurik KGC12MVF1S1HTPS1M*MN |
| χ | A94215 UO-001-PEDE-043-0001 | 002 | 12" Knife Gate Vlv DeZurik KGC12MVF1S1HTPS1M*MN |
| χ | A94215 UO-001-PEDE-043-0001 | 003 | 12" Knife Gate Vlv DeZurik KGC12MVF1S1HTPS1M*MN |
| χ | A94215 UO-001-PEDE-043-0001 | 004 | 12" Knife Gate Vlv DeZurik KGC12MVF1S1HTPS1M*MN |
| χ | A94215 UO-001-PEDE-043-0001 | 005 | 7/8 x 2-1/4 Hex Head Machine Bolt A193 B7 + 10% |
| χ | A94215 UO-001-PEDE-043-0001 | 006 | 7/8 x 2 Hex Head Machine Bolt A193 B7 + 10% |
| χ | A94215 UO-001-PEDE-043-0001 | 007 | 12" Spiralwound Gasket 304 SS Graphite |
| χ | A94215 UO-001-PEDE-043-0001 | 008 | Set, Packing DeZurik P/N 1308509 Comm. Spare |
| χ | A94457 UO-001-PEDE-530-0014 | 061 | 11-409 Rotary Control Drive FAN A |
| χ | A94457 UO-001-PEDE-530-0027 | 001 | UP51801110 ACTUATOR |
| χ | A94457 UO-001-PEDE-530-0070 | 130 | 11-409 Rotary Control Drive FAN B |
| χ | A94457 UO-002-PEDE-530-0004 | 013 | 434077 6" SLV RTL PIL BLOCK MOD FREE Brg FAN A |
| χ | A94457 UO-002-PEDE-530-0005 | 014 | 434077 6" SLV RTL PIL BLOCK MOD held Brg FAN A |
| χ | A94457 UO-002-PEDE-530-0016 | 114 | 434077 6" SLV RTL PIL BLOCK MOD FREE Brg FAN B |
| χ | A94457 UO-002-PEDE-530-0017 | 115 | 434077 6" SLV RTL PIL BLOCK MOD held Brg FAN B |
| χ | A94457 UO-005-PEDE-530-0031 | 070 | PA FAN LUBE SKID PA-SKD-2002A |
| χ | A94457 UO-005-PEDE-530-0034 | 131 | PA FAN LUBE SKID PA-SKD-2002B |
| χ | A94916 UO-032-PEDE-0LN-1242 | 234 | WB6 PSTG - Plain Steel Grating |
| χ | A94916 UO-032-PEDE-0LN-1261 | 300 | WB6 PSTG - Plain Steel Grating |
| χ | A94983 UO-002-PEDE-097-0027 | 001 | TUBE;2.50"O.D.x0.150MWT-40ft |
| χ | A94983 UO-002-PEDE-097-0027 | 001A | TUBE;2.50"O.D.x0.150MWT-40ft |
| χ | A94983 UO-002-PEDE-097-0027 | 002 | TUBE;1.125"O.D.x0.220MWT-120ft |
| χ | A94983 UO-002-PEDE-097-0027 | 002A | TUBE;1.125"O.D.x0.220MWT-120ft |
| χ | A94983 UO-002-PEDE-097-0027 | 003 | TUBE;3.00"O.D.x0.220"MWT-120ft |
| χ | A94983 UO-002-PEDE-097-0027 | 004 | TUBE;2.00"O.D.x0.165"MWT-120ft |
| χ | A94983 UO-002-PEDE-097-0027 | 005 | TUBE;1.75"O.D.x0.165"MWT-120ft |
| χ | A94983 UO-002-PEDE-097-0027 | 006 | TUBE;3.00"O.D.x0.220"MWT-120ft |
| χ | A94983 UO-002-PEDE-097-0027 | 007 | TUBE;2.50"O.D.x0.165"MWT-120ft |
| χ | A94983 UO-002-PEDE-097-0027 | 008 | TUBE;2.00"O.D.x0.165"MWT-120ft |
| χ | A94983 UO-002-PEDE-097-0027 | 009 | TUBE;1.75"O.D.x0.165"MWT-120ft |
| χ | A94983 UO-002-PEDE-097-0027 | 010 | TUBE;2.50"O.D.x0.300"MWT-200ft |
| χ | A94983 UO-002-PEDE-097-0027 | 011 | TUBE;1.50"O.D.x0.180"MWT-200ft |
| χ | A94983 UO-002-PEDE-097-0027 | 012 | TUBE;1.125"O.D.x0.220MWT-200ft |

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| x | A94983 UO-002-PEDE-097-0027 | 013 | TUBE;1.125"O.D.x0.220MWT-200ft |
| x | A94983 UO-002-PEDE-097-0027 | 014 | TUBE;2.50"O.D.x0.220 MWT-120ft |
| x | A95042 UO-001-PEDE-794-0001 | 001 | Scanner Air Fan w/ optional equipment purchased |
| x | A95042 UO-001-PEDE-794-0001 | 002 | Scanner Air Fan w/ optional equipment purchased |
| x | A95042 UO-001-PEDE-794-0001 | 003 | foundation template |
| x | A95042 UO-001-PEDE-794-0001 | 004 | foundation template |
| x | A95042 UO-002-PEDE-794-0002 | 003 | Seal Air Fan w/ optional equipment purchased |
| x | A95042 UO-002-PEDE-794-0002 | 004 | Seal Air Fan w/ optional equipment purchased |
| x | A95042 UO-002-PEDE-794-0002 | 005 | template |
| x | A95042 UO-002-PEDE-794-0002 | 006 | template |
| x | A95042 UO-003-PEDE-794-0003 | 005 | Vert Roof Encl Cooling Fan w/ opt. equip. purch. |
| x | A95063 UO-001-PEDE-864-0001 | 001 | DC-75 Horn |
| x | A95063 UO-001-PEDE-864-0002 | 001 | DC-75 Horn |
| x | A95063 UO-001-PEDE-864-0004 | 003 | DC-75 Horn with new sensor port location |
| x | A95063 UO-001-PEDE-864-0005 | 004 | DC-75 Horn with new sensor port location |
| x | A95063 UO-001-PEDE-864-0006 | 005 | Mntg-ring with gasket |
| x | A95063 UO-001-PEDE-864-0006 | 006 | Hose-Flex, SS |
| x | A95063 UO-001-PEDE-864-0006 | 007 | Plate, Blanking, D-75 |
| x | A95063 UO-001-PEDE-864-0006 | 008 | Filter-Air, Auto-drain, 2" NPT |
| x | A95063 UO-001-PEDE-864-0006 | 009 | Vlv-ball, .75" |
| x | A95063 UO-001-PEDE-864-0006 | 010 | Vlv-ball, 1.5", F/Flo |
| x | A95063 UO-001-PEDE-864-0006 | 011 | Vlv-ball, 2", lock, F/Flo |
| x | A95063 UO-001-PEDE-864-0006 | 012 | Vlv-Soln, .75", Brass |
| x | A95063 UO-001-PEDE-864-0006 | 013 | Air regulator, 1.5" w/gage |
| x | A95063 UO-001-PEDE-864-0006 | 014 | Tag Set |
| x | A95063 UO-001-PEDE-864-0006 | 015 | Diaph Plate, Spare |
| x | A95063 UO-001-PEDE-864-0006 | 016 | Vlv-Soln, .75", Brass |
| x | A95063 UO-001-PEDE-864-0006 | 017 | Hose-Flex, SS |
| x | A95063 UO-001-PEDE-864-0006 | 018 | Driver, DH, 5.88"Diaph, CD, PLTD |
| x | A95121 UO-007-PEDE-453-0036 | 008 | Actuator Limitorque (MX-40) |
| x | A95121 UO-007-PEDE-453-0036 | 009 | Auma Gearbox (GSD-200) |
| x | A95121 UO-008-PEDE-453-0024 | 002 | ACTUATORS W/COUPLING FOR SEAL AIR FAN DAMPER (LY-1001) |
| x | A95121 UO-008-PEDE-453-0024 | 007 | HEX BOLT FOR BUTTERFLY DAMPERS (1/2"-13 X 1 3/4"LG) |
| x | A95121 UO-008-PEDE-453-0024 | 008 | NUT FOR BUTTERFLY DAMPERS (1/2"-13) |
| x | A95121 UO-008-PEDE-453-0024 | 009 | FLAT WASHER FOR BUTTERFLY DAMPERS (1/2"N) |
| x | A95121 UO-008-PEDE-453-0024 | 012 | ACTUATOR W/ COUPLING FOR S/O GAS DUCT TO SCR (MX-20/GS200) |
| x | A95121 UO-008-PEDE-453-0024 | 014 | GASKETS FOR S/O DAMPER GAS DUCT TO SCR |
| x | A95121 UO-008-PEDE-453-0024 | 019 | HEX BOLT FOR S/O DAMPER GAS DUCT TO SCR (5/8"-11X1 3/4"LG) |
| x | A95121 UO-008-PEDE-453-0024 | 022 | NUTS FOR S/O DAMPER GAS DUCT TO SCR(5/8"-11) |
| x | A95121 UO-008-PEDE-453-0024 | 024 | ACTUATORS WITH COUPLING FOR SEAL AIR FAN DAMPERS(LY-1001) |
| x | A95121 UO-008-PEDE-453-0024 | 026 | FLATWASHERS FOR S/O DAMPER GAS DUCT TO SCR (5/8")N |
| x | A95121 UO-008-PEDE-453-0028 | 002 | BOLT FOR GATE-TEMPER AD TO MILLS (5/8-11 X 1 3/4" LG) |
| x | A95121 UO-008-PEDE-453-0028 | 002A | BOLT FOR CTRL DAMPER CAD TO MILLS (5/8-11 X 2LG) |
| x | A95121 UO-008-PEDE-453-0028 | 002B | BOLT FOR GATE-TEMPER AD TO MILLS (5/8-11 X 1 3/4" LG) |

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| χ | A95121 UO-008-PEDE-453-0028 | 003 | NUT FOR GATE-TEMPER AD TO MILLS (5/8-11) |
| χ | A95121 UO-008-PEDE-453-0028 | 003A | NUT FOR CTRL DAMPER CAD TO MILLS (5/8-11) |
| χ | A95121 UO-008-PEDE-453-0028 | 003B | NUT FOR GATE-TEMPER AD TO MILLS (5/8-11) |
| χ | A95121 UO-008-PEDE-453-0028 | 004 | FLAT WASHER FOR GATE-TEMPER AD TO MILLS (5/8"N) |
| χ | A95121 UO-008-PEDE-453-0028 | 004A | WASHER FOR CTRL DAMPER CAD TO MILLS (5/8) |
| χ | A95121 UO-008-PEDE-453-0028 | 004B | FLAT WASHER FOR GATE-TEMPER AD TO MILLS (5/8"N) |
| χ | A95121 UO-008-PEDE-453-0028 | 005 | ACTUATOR W/ COUPLING FOR S/O GAS DUCT AIR HTR (MX-10/GS200) |
| χ | A95121 UO-008-PEDE-453-0028 | 005A | BECK ACTUATORS |
| χ | A95121 UO-008-PEDE-453-0028 | 005B | ACTUATOR W/ COUPLING FOR S/O GAS DUCT AIR HTR (MX-10/GS200) |
| χ | A95121 UO-008-PEDE-453-0028 | 006 | BOLTS FOR S.O DAMPER GAS DUCT AIR HTR (5/8-11 X 2"LG) |
| χ | A95121 UO-008-PEDE-453-0028 | 006A | ADJUSTABLE LINKAGE ASS'Y |
| χ | A95121 UO-008-PEDE-453-0028 | 006B | BOLTS FOR S.O DAMPER GAS DUCT AIR HTR (5/8-11 X 2"LG) |
| χ | A95121 UO-008-PEDE-453-0028 | 007 | NUT FOR S/O DAMPER GAS DUCT AIR HTR (5/8-11) |
| χ | A95121 UO-008-PEDE-453-0028 | 008 | FLAT WASHER FOR S/O DAMPER GAS DUCT AIR HTR(5/8"N) |
| χ | A95124 UO-001-PEDE-0KI-0001 | 001 | PULVERIZER MOTOR , BA1 |
| χ | A95124 UO-001-PEDE-0KI-0002 | 002 | PULVERIZER MOTOR, BA2 |
| χ | A95124 UO-001-PEDE-0KI-0003 | 003 | PULVERIZER MOTOR, BA3 |
| χ | A95124 UO-001-PEDE-0KI-0007 | 007 | PULVERIZER MOTOR, SOLEPLATES, BA1 |
| χ | A95124 UO-002-PEDE-0KI-0004 | 004 | PULVERIZER MOTOR, BA4 |
| χ | A95124 UO-002-PEDE-0KI-0005 | 005 | PULVERIZER MOTOR, BA5 |
| χ | A95124 UO-002-PEDE-0KI-0006 | 006 | PULVERIZER MOTOR, BA6 |
| χ | A95124 UO-003-PEDE-0KI-0013 | 001 | PA FAN MOTOR |
| χ | A95124 UO-003-PEDE-0KI-0016 | 004 | PA FAN MOTOR |
| χ | A95343 UO-006-PEDE-081-0038 | 002 | WINDBOX CORNER NO. 2 |
| χ | A95343 UO-007-PEDE-081-0039 | 003 | WINDBOX CORNER NO. 3 |
| χ | A95343 UO-008-PEDE-081-0040 | 004 | WINDBOX CORNER NO. 4 |
| χ | A95594 UO-001-PEDE-054-0026 | 019 | FEEDER FINAL ASSY MODEL EG2410 1B |
| χ | A95594 UO-001-PEDE-054-0027 | 020 | FEEDER FINAL ASSY MODEL EG2410 1A |
| χ | A95594 UO-001-PEDE-054-0028 | 021 | FEEDER FINAL ASSY MODEL EG2410 1C |
| χ | A95594 UO-001-PEDE-054-0029 | 022 | FEEDER FINAL ASSY MODEL EG2410 1D |
| χ | A95594 UO-001-PEDE-054-0032 | 049 | KIT TOOL ACCESSORY |
| χ | A95594 UO-002-PEDE-054-0030 | 023 | FEEDER FINAL ASSY MODEL EG2410 1E |
| χ | A95594 UO-002-PEDE-054-0031 | 024 | FEEDER FINAL ASSY MODEL EG2410 1F |
| χ | A95594 UO-002-PEDE-054-0033 | 025 | HOPPER 26.875 X 32 TO 17.25 ID |
| χ | A95594 UO-002-PEDE-054-0034 | 026 | HOPPER 26.875 X 32 TO 17.25 ID |
| χ | A95594 UO-002-PEDE-054-0035 | 027 | HOPPER 26.875 X 32 TO 17.25 ID |
| χ | A95594 UO-002-PEDE-054-0036 | 028 | HOPPER 26.875 X 32 TO 17.25 ID |
| χ | A95594 UO-002-PEDE-054-0037 | 029 | HOPPER 26.875 X 32 TO 17.25 ID |
| χ | A95594 UO-002-PEDE-054-0038 | 030 | HOPPER 26.875 X 32 TO 17.25 ID |
| χ | A95594 UO-002-PEDE-054-0039 | 013 | COUPLING 24.75 OD PIPE STEEL DRESSER STYLE 38 |
| χ | A95594 UO-002-PEDE-054-0039 | 014 | COUPLING 24.75 OD PIPE STEEL DRESSER STYLE 38 |
| χ | A95594 UO-002-PEDE-054-0039 | 015 | COUPLING 24.75 OD PIPE STEEL DRESSER STYLE 38 |
| χ | A95594 UO-002-PEDE-054-0039 | 016 | COUPLING 24.75 OD PIPE STEEL DRESSER STYLE 38 |
| χ | A95594 UO-002-PEDE-054-0039 | 017 | COUPLING 24.75 OD PIPE STEEL DRESSER STYLE 38 |
| χ | A95594 UO-002-PEDE-054-0039 | 018 | COUPLING 24.75 OD PIPE STEEL DRESSER STYLE 38 |
| χ | A95594 UO-002-PEDE-054-0040 | 037 | COUPLING 18 OD PIPE STEEL DRESSER STYLE 38 |
| χ | A95594 UO-002-PEDE-054-0040 | 038 | COUPLING 18 OD PIPE STEEL DRESSER STYLE 38 |
| χ | A95594 UO-002-PEDE-054-0040 | 039 | COUPLING 18 OD PIPE STEEL DRESSER STYLE 38 |
| χ | A95594 UO-002-PEDE-054-0040 | 040 | COUPLING 18 OD PIPE STEEL DRESSER STYLE 38 |
| χ | A95594 UO-002-PEDE-054-0040 | 041 | COUPLING 18 OD PIPE STEEL DRESSER STYLE 38 |
| χ | A95594 UO-002-PEDE-054-0040 | 042 | COUPLING 18 OD PIPE STEEL DRESSER STYLE 38 |
| χ | A95594 UO-003-PEDE-054-0050 | 001 | DOWNSPOUT TRANS 35 ID TO 24 ID |
| χ | A95594 UO-003-PEDE-054-0051 | 002 | DOWNSPOUT TRANS 35 ID TO 24 ID |
| χ | A95594 UO-003-PEDE-054-0052 | 003 | DOWNSPOUT TRANS 35 ID TO 24 ID |
| χ | A95594 UO-003-PEDE-054-0053 | 004 | DOWNSPOUT TRANS 35 ID TO 24 ID |
| χ | A95594 UO-003-PEDE-054-0054 | 005 | DOWNSPOUT TRANS 35 ID TO 24 ID |
| χ | A95594 UO-003-PEDE-054-0055 | 006 | DOWNSPOUT TRANS 35 ID TO 24 ID |
| χ | A95594 UO-003-PEDE-054-0056 | 007 | DOWNSPOUT 24.75 OD |

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|---|---|---|---|
| x | A95594 UO-003-PEDE-054-0057 | 008 | DOWNSPOUT 24.75 OD |
| x | A95594 UO-003-PEDE-054-0058 | 009 | DOWNSPOUT 24.75 OD |
| x | A95594 UO-003-PEDE-054-0059 | 010 | DOWNSPOUT 24.75 OD |
| x | A95594 UO-003-PEDE-054-0060 | 011 | DOWNSPOUT 24.75 OD |
| x | A95594 UO-003-PEDE-054-0061 | 012 | DOWNSPOUT 24.75 OD |
| x | A95594 UO-003-PEDE-054-0062 | 031 | DOWNSPOUT ROUND 18 OD |
| x | A95594 UO-003-PEDE-054-0063 | 032 | DOWNSPOUT ROUND 18 OD |
| x | A95594 UO-003-PEDE-054-0064 | 033 | DOWNSPOUT ROUND 18 OD |
| x | A95594 UO-003-PEDE-054-0065 | 034 | DOWNSPOUT ROUND 18 OD |
| x | A95594 UO-003-PEDE-054-0066 | 035 | DOWNSPOUT ROUND 18 OD |
| x | A95594 UO-003-PEDE-054-0067 | 036 | DOWNSPOUT ROUND 18 OD |
| x | A95594 UO-004-PEDE-054-0044 | 001 | V ASY 36-RR-VB |
| x | A95594 UO-004-PEDE-054-0045 | 002 | V ASY 36-RR-VB |
| x | A95594 UO-004-PEDE-054-0046 | 003 | V ASY 36-RR-VB |
| x | A95594 UO-004-PEDE-054-0047 | 004 | V ASY 36-RR-VB |
| x | A95594 UO-004-PEDE-054-0048 | 005 | V ASY 36-RR-VB |
| x | A95594 UO-004-PEDE-054-0049 | 006 | V ASY 36-RR-VB |
| x | A95621 UO-001-PEDE-054-0001 | 001 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-001-PEDE-054-0002 | 002 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-001-PEDE-054-0003 | 003 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-001-PEDE-054-0004 | 004 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-001-PEDE-054-0005 | 005 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-001-PEDE-054-0006 | 006 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-001-PEDE-054-0007 | 007 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-001-PEDE-054-0008 | 008 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-001-PEDE-054-0009 | 009 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-001-PEDE-054-0010 | 010 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-001-PEDE-054-0011 | 011 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-001-PEDE-054-0012 | 012 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-002-PEDE-054-0013 | 013 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-002-PEDE-054-0014 | 014 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-002-PEDE-054-0015 | 015 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-002-PEDE-054-0016 | 016 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-002-PEDE-054-0017 | 017 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-002-PEDE-054-0018 | 018 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-002-PEDE-054-0019 | 019 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-002-PEDE-054-0020 | 020 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-002-PEDE-054-0021 | 021 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-002-PEDE-054-0022 | 022 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-002-PEDE-054-0023 | 023 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95621 UO-002-PEDE-054-0024 | 024 | V ASY BLV 24-RR-C1-PA-16-00-SP |
| x | A95917 UO-001-PEDE-058-0024 | 001 | US SOOTBLOWER |
| x | A95917 UO-001-PEDE-058-0033 | 001 | USB SOOTBLOWER |
| x | A95917 UO-003-PEDE-058-0059 | 001 | VS SOOTBLOWER |
| x | A95917 UO-003-PEDE-058-0060 | 001 | VS SOOTBLOWER |
| x | A95917 UO-003-PEDE-058-0061 | 001 | VS SOOTBLOWER |
| x | A95917 UO-003-PEDE-058-0062 | 001 | VS SOOTBLOWER |
| x | A95917 UO-003-PEDE-058-0063 | 001 | VS SOOTBLOWER |
| x | A95917 UO-003-PEDE-058-0064 | 001 | VS SOOTBLOWER |

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| χ | A95917 UO-003-PEDE-058-0065 | 001 | VS SOOTBLOWER |
| χ | A95917 UO-003-PEDE-058-0066 | 001 | VS SOOTBLOWER |
| χ | A95917 UO-003-PEDE-058-0067 | 001 | VS SOOTBLOWER |
| χ | A95917 UO-003-PEDE-058-0068 | 001 | VS SOOTBLOWER |
| χ | A95917 UO-003-PEDE-058-0069 | 001 | VS SOOTBLOWER |
| χ | A95917 UO-003-PEDE-058-0070 | 001 | VS SOOTBLOWER |
| χ | A95917 UO-003-PEDE-058-0071 | 001 | VS SOOTBLOWER |
| χ | A95917 UO-003-PEDE-058-0072 | 001 | VS SOOTBLOWER |
| χ | A95917 UO-003-PEDE-058-0073 | 001 | VS SOOTBLOWER |
| χ | A95917 UO-003-PEDE-058-0074 | 001 | VS SOOTBLOWER |
| χ | A95917 UO-004-PEDE-058-0001 | 001 | US SOOTBLOWER |
| χ | A95917 UO-004-PEDE-058-0002 | 001 | US SOOTBLOWER |
| χ | A95917 UO-004-PEDE-058-0003 | 001 | US SOOTBLOWER |
| χ | A95917 UO-004-PEDE-058-0006 | 001 | US SOOTBLOWER |
| χ | A95917 UO-004-PEDE-058-0007 | 001 | US SOOTBLOWER |
| χ | A95917 UO-004-PEDE-058-0008 | 001 | US SOOTBLOWER |
| χ | A95917 UO-004-PEDE-058-0009 | 001 | US SOOTBLOWER |
| χ | A95917 UO-004-PEDE-058-0010 | 001 | US SOOTBLOWER |
| χ | A95917 UO-004-PEDE-058-0011 | 001 | US SOOTBLOWER |
| χ | A95917 UO-008-PEDE-058-0078 | 001 | E-CHAIN |
| χ | A95917 UO-008-PEDE-058-0078 | 002 | valve globe |
| χ | A95917 UO-008-PEDE-058-0078 | 003 | packing |
| χ | A95917 UO-008-PEDE-058-0078 | 005 | limit switch |
| χ | A95917 UO-008-PEDE-058-0078 | 006 | packing ring set |
| χ | A95917 UO-008-PEDE-058-0078 | 007 | packing ring set |
| χ | A95917 UO-008-PEDE-058-0078 | 008 | cert-c |
| χ | A95917 UO-008-PEDE-058-0078 | 009 | switch |
| χ | A95917 UO-008-PEDE-058-0078 | 010 | packing |
| χ | A95917 UO-008-PEDE-058-0086 | 011 | Limit Switch |
| χ | A95917 UO-008-PEDE-058-0086 | 045 | valve, motor operated |
| χ | A95917 UO-008-PEDE-058-0086 | 046 | PRESS TRANSMITTER ROSEMOUNT |
| χ | A95917 UO-008-PEDE-058-0086 | 047 | FLOW TRANSMITTER,ROSEMOUNT |
| χ | A95917 UO-008-PEDE-058-0086 | 048 | FLOW TRANSMITTER, ORIFICE PLT |
| χ | A95917 UO-008-PEDE-058-0086 | 049 | FLOW TRANSMITTER, ROSEMOUNT |

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| χ | A95917 UO-008-PEDE-058-0086 | 050 | FLOW TRANSMITTER, ORIFICE PLATE |
| χ | A95917 UO-010-PEDE-058-0077 | 001 | SPECTRA TEMP PYROMETER |
| χ | A95917 UO-010-PEDE-058-0077 | 051 | CHECK VALVE |
| χ | A95917 UO-010-PEDE-058-0077 | 052 | GLOBE VALVE |
| χ | A95917 UO-010-PEDE-058-0077 | 054 | PACKING FOR SEAL PACK |
| χ | A96573 UO-002-PEDE-139-0003 | 002 | spare selector switches |
| χ | A96733 UO-001-PEDE-519-0001 | 007 | BUTTERFLY SHUT OFF VALVE @ FAN - MILL SAS 38" |
| χ | A96733 UO-001-PEDE-519-0001 | 008 | BUTTERFLY SHUT OFF VALVE @ FAN - MILL SAS 38" |
| χ | A96733 UO-001-PEDE-519-0001 | 009 | BUTTERFLY SHUT OFF VALVE @ MILL - SAS W/OPER 12" |
| χ | A96733 UO-001-PEDE-519-0001 | 010 | BUTTERFLY SHUT OFF VALVE @ MILL - SAS W/OPER 12" |
| χ | A96733 UO-001-PEDE-519-0001 | 011 | BUTTERFLY SHUT OFF VALVE @ MILL - SAS W/OPER 12" |
| χ | A96733 UO-001-PEDE-519-0001 | 012 | BUTTERFLY SHUT OFF VALVE @ MILL - SAS W/OPER 12" |
| χ | A96733 UO-001-PEDE-519-0001 | 013 | BUTTERFLY SHUT OFF VALVE @ MILL - SAS W/OPER 12" |
| χ | A96733 UO-001-PEDE-519-0001 | 014 | BUTTERFLY SHUT OFF VALVE @ MILL - SAS W/OPER 12" |
| χ | A96733 UO-001-PEDE-519-0002 | 001 | BUTTERFLY SHUT OFF VALVE @ FEEDER PULV SAS 6" |
| χ | A96733 UO-001-PEDE-519-0002 | 002 | BUTTERFLY SHUT OFF VALVE @ FEEDER PULV SAS 6" |
| χ | A96733 UO-001-PEDE-519-0002 | 003 | BUTTERFLY SHUT OFF VALVE @ FEEDER PULV SAS 6" |
| χ | A96733 UO-001-PEDE-519-0002 | 004 | BUTTERFLY SHUT OFF VALVE @ FEEDER PULV SAS 6" |
| χ | A96733 UO-001-PEDE-519-0002 | 005 | BUTTERFLY SHUT OFF VALVE @ FEEDER PULV SAS 6" |
| χ | A96733 UO-001-PEDE-519-0002 | 006 | BUTTERFLY SHUT OFF VALVE @ FEEDER PULV SAS 6" |
| χ | A96733 UO-001-PEDE-519-0002 | 015 | PULVERIZER AIR FILTER BLEED-OFF VALVE 10" |
| χ | A96733 UO-001-PEDE-519-0002 | 016 | PULVERIZER AIR FILTER BLEED-OFF VALVE 10" |
| χ | A96733 UO-001-PEDE-519-0002 | 017 | HARDWARE - BLEED-OFF VALVE 10" |
| χ | A96733 UO-001-PEDE-519-0002 | 018 | HARDWARE - BLEED-OFF VALVE 10" |
| χ | A96733 UO-001-PEDE-519-0002 | 019 | HARDWARE - BLEED-OFF VALVE 10" |
| χ | A96733 UO-001-PEDE-519-0002 | 020 | HARDWARE - BLEED-OFF VALVE 10" |
| χ | A96733 UO-001-PEDE-519-0002 | 021 | HARDWARE - BLEED-OFF VALVE 10" |
| χ | A96733 UO-001-PEDE-519-0002 | 022 | HARDWARE - BLEED-OFF VALVE 10" |
| χ | A96926 UO-001-PEDE-526-0007 | 001 | 11-439 ROTARY CONTROL DRIVE |
| χ | A96926 UO-001-PEDE-526-0008 | 002 | 11-439 ROTARY CONTROL DRIVE |
| χ | A96926 UO-001-PEDE-526-0009 | 003 | 11-439 ROTARY CONTROL DRIVE |
| χ | A96926 UO-001-PEDE-526-0010 | 004 | 11-439 ROTARY CONTROL DRIVE |
| χ | A96926 UO-001-PEDE-526-0011 | 005 | 11-409 ROTARY CONTROL DRIVE |
| χ | A96926 UO-001-PEDE-526-0012 | 006 | 11-409 ROTARY CONTROL DRIVE |
| χ | A96926 UO-001-PEDE-526-0013 | 007 | 11-409 ROTARY CONTROL DRIVE |
| χ | A96926 UO-001-PEDE-526-0014 | 008 | 11-409 ROTARY CONTROL DRIVE |
| χ | A96926 UO-001-PEDE-526-0015 | 009 | 11-409 ROTARY CONTROL DRIVE |
| χ | A96926 UO-001-PEDE-526-0016 | 010 | 11-409 ROTARY CONTROL DRIVE |
| χ | A96926 UO-001-PEDE-526-0017 | 011 | 11-409 ROTARY CONTROL DRIVE |

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| χ | A96926 UO-001-PEDE-526-0018 | 012 | 11-409 ROTARY CONTROL DRIVE |
| χ | A97300 UO-001-PEDE-061-0001 | 001 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 002 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 003 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 004 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 005 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 006 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 007 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 008 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 009 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 010 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 011 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 012 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 013 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 014 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 015 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 016 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0001 | 081 | Sec. Air Damper Drive w/ 3-15 Input/4-20 Xmttr |
| χ | A97300 UO-001-PEDE-061-0001 | 082 | Sec. Air Damper Drive w/ 3-15 Input/4-20 Xmttr |
| χ | A97300 UO-001-PEDE-061-0001 | 083 | Sec. Air Damper Drive w/ 3-15 Input/4-20 Xmttr |
| χ | A97300 UO-001-PEDE-061-0001 | 084 | Sec. Air Damper Drive w/ 3-15 Input/4-20 Xmttr |
| χ | A97300 UO-001-PEDE-061-0001 | 085 | Sec. Air Damper Drive w/ 3-15 Input/4-20 Xmttr |
| χ | A97300 UO-001-PEDE-061-0001 | 086 | Sec. Air Damper Drive w/ 3-15 Input/4-20 Xmttr |
| χ | A97300 UO-001-PEDE-061-0001 | 087 | Sec. Air Damper Drive w/ 3-15 Input/4-20 Xmttr |
| χ | A97300 UO-001-PEDE-061-0001 | 088 | Sec. Air Damper Drive w/ 3-15 Input/4-20 Xmttr |
| χ | A97300 UO-001-PEDE-061-0005 | 073 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0005 | 074 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0005 | 075 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0005 | 076 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0005 | 077 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0005 | 078 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0005 | 079 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0005 | 080 | Sec. Air Damper Drive w/ 3-15 Input |
| χ | A97300 UO-001-PEDE-061-0005 | 105 | I/P Transducer w/ Filter-Regulator |
| χ | A97300 UO-001-PEDE-061-0005 | 106 | I/P Transducer w/ Filter-Regulator |
| χ | A97300 UO-001-PEDE-061-0005 | 107 | I/P Transducer w/ Filter-Regulator |
| χ | A97300 UO-001-PEDE-061-0005 | 108 | I/P Transducer w/ Filter-Regulator |
| χ | A97300 UO-001-PEDE-061-0005 | 109 | I/P Transducer w/ Filter-Regulator |
| χ | A97300 UO-001-PEDE-061-0005 | 110 | I/P Transducer w/ Filter-Regulator |
| χ | A97300 UO-001-PEDE-061-0005 | 111 | I/P Transducer w/ Filter-Regulator |
| χ | A97300 UO-001-PEDE-061-0005 | 112 | I/P Transducer w/ Filter-Regulator |
| χ | A97300 UO-001-PEDE-061-0005 | 113 | I/P Transducer w/ Filter-Regulator |
| χ | A97300 UO-001-PEDE-061-0005 | 114 | I/P Transducer w/ Filter-Regulator |
| χ | A97300 UO-001-PEDE-061-0005 | 115 | I/P Transducer w/ Filter-Regulator |

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|---|---|---|---|
| x | A97300 UO-001-PEDE-061-0005 | 116 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 117 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 118 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 119 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 120 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 121 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 122 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 123 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 124 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 125 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 126 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 127 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 128 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 129 | I/P Transducer w/ Filter-Regulator |
| x | A97300 UO-001-PEDE-061-0005 | 130 | I/P Transducer w/ Filter-Regulator |
| x | A97432 UO-001-PEDE-066-0005 | 001 | ERV |
| x | A97432 UO-001-PEDE-066-0005 | 001A | ISO Valve |
| x | A97432 UO-001-PEDE-066-0006 | 002 | ERV |
| x | A97432 UO-001-PEDE-066-0006 | 002A | ISO Valve |
| x | A97432 UO-001-PEDE-066-0006 | 003 | ERV |
| x | A97432 UO-001-PEDE-066-0006 | 003A | ISO Valve |
| x | A97432 UO-001-PEDE-066-0007 | 004 | ERV |
| x | A97432 UO-001-PEDE-066-0007 | 004A | ISO Valve |
| x | A97781 UO-001-PEDE-0D2-0001 | 001 | OXYGEN ANALYZER |
| x | A97781 UO-001-PEDE-0D2-0002 | 005 | PROBE PROTECTOR |
| x | A97781 UO-001-PEDE-0D2-0003 | 031 | OXYGEN ANALYZER |
| x | A97781 UO-001-PEDE-0D2-0004 | 033 | PROBE PROTECTOR |
| x | A97781 UO-001-PEDE-0D2-0005 | 004 | OXYGEN ANALYZER |
| x | A97781 UO-001-PEDE-0D2-0006 | 002 | OXYGEN ANALYZER |
| x | A97781 UO-001-PEDE-0D2-0007 | 003 | OXYGEN ANALYZER |
| x | A97781 UO-001-PEDE-0D2-0008 | 006 | PROBE PROTECTOR |

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|---|---|---|---|
| χ | A97781 UO-001-PEDE-0D2-0009 | 007 | PROBE PROTECTOR |
| χ | A97781 UO-001-PEDE-0D2-0010 | 008 | PROBE PROTECTOR |
| χ | A97781 UO-001-PEDE-0D2-0011 | 032 | OXYGEN ANALYZER |
| χ | A97781 UO-001-PEDE-0D2-0012 | 034 | PROBE PROTECTOR |
| χ | A97781 UO-001-PEDE-0D2-0013 | 009 | FLY ASH FILTER |
| χ | A97781 UO-001-PEDE-0D2-0013 | 010 | FLY ASH FILTER |
| χ | A97781 UO-001-PEDE-0D2-0013 | 011 | FLY ASH FILTER |
| χ | A97781 UO-001-PEDE-0D2-0013 | 012 | FLY ASH FILTER |
| χ | A97781 UO-001-PEDE-0D2-0013 | 013 | HIGH TEMP SIGNAL CABLE |
| χ | A97781 UO-001-PEDE-0D2-0013 | 014 | HIGH TEMP SIGNAL CABLE |
| χ | A97781 UO-001-PEDE-0D2-0013 | 015 | HIGH TEMP SIGNAL CABLE |
| χ | A97781 UO-001-PEDE-0D2-0013 | 016 | HIGH TEMP SIGNAL CABLE |
| χ | A97781 UO-001-PEDE-0D2-0013 | 017 | HIGH TEMP SIGNAL CABLE |
| χ | A97781 UO-001-PEDE-0D2-0013 | 018 | HIGH TEMP SIGNAL CABLE |
| χ | A97781 UO-001-PEDE-0D2-0013 | 019 | HIGH TEMP SIGNAL CABLE |
| χ | A97781 UO-001-PEDE-0D2-0013 | 020 | HIGH TEMP SIGNAL CABLE |
| χ | A97781 UO-001-PEDE-0D2-0013 | 021 | AUTO CALIBRATION FOR ZR22 |
| χ | A97781 UO-001-PEDE-0D2-0013 | 022 | AUTO CALIBRATION FOR ZR22 |
| χ | A97781 UO-001-PEDE-0D2-0013 | 023 | AUTO CALIBRATION FOR ZR22 |
| χ | A97781 UO-001-PEDE-0D2-0013 | 024 | AUTO CALIBRATION FOR ZR22 |
| χ | A97781 UO-001-PEDE-0D2-0013 | 025 | OXYGEN CONVERTER |
| χ | A97781 UO-001-PEDE-0D2-0013 | 026 | OXYGEN CONVERTER |
| χ | A97781 UO-001-PEDE-0D2-0013 | 027 | OXYGEN CONVERTER |
| χ | A97781 UO-001-PEDE-0D2-0013 | 028 | OXYGEN CONVERTER |
| χ | A97781 UO-001-PEDE-0D2-0013 | 029 | DUAL STAGE REGULATOR |
| χ | A97781 UO-001-PEDE-0D2-0013 | 030 | NORGREN FILTER/REGULATOR |
| χ | A97781 UO-001-PEDE-0D2-0013 | 035 | FLY ASH FILTER |
| χ | A97781 UO-001-PEDE-0D2-0013 | 036 | FLY ASH FILTER |
| χ | A97781 UO-001-PEDE-0D2-0013 | 037 | HIGH TEMP SIGNAL CABLE |
| χ | A97781 UO-001-PEDE-0D2-0013 | 038 | HIGH TEMP SIGNAL CABLE |
| χ | A97781 UO-001-PEDE-0D2-0013 | 039 | HIGH TEMP SIGNAL CABLE |

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|---|---|---|---|
| χ | A97781 UO-001-PEDE-0D2-0013 | 040 | HIGH TEMP SIGNAL CABLE |
| χ | A97781 UO-001-PEDE-0D2-0013 | 041 | AUTO CALIBRATION FOR ZR22 |
| χ | A97781 UO-001-PEDE-0D2-0013 | 042 | AUTO CALIBRATION FOR ZR22 |
| χ | A97781 UO-001-PEDE-0D2-0013 | 043 | OXYGEN CONVERTER |
| χ | A97781 UO-001-PEDE-0D2-0013 | 044 | OXYGEN CONVERTER |
| χ | A98302 UO-001-PEDE-047-0002 | 001 | CHECK VALVE |
| χ | A98302 UO-001-PEDE-047-0003 | 001 | CHECK VALVE |
| χ | A98302 UO-001-PEDE-047-0004 | 001 | GATE VALVE |
| χ | A98302 UO-001-PEDE-047-0006 | 001 | GATE VALVE |
| χ | A98302 UO-001-PEDE-047-0008 | 001 | GATE VALVE |
| χ | A98302 UO-001-PEDE-047-0009 | 001 | CHECK VALVE |
| χ | A98302 UO-002-PEDE-047-0005 | 001 | GATE VALVE |
| χ | A98302 UO-002-PEDE-047-0007 | 001 | GATE VALVE |
| χ | A98302 UO-002-PEDE-047-0010 | 001 | STOP VALVE |
| χ | A98713 UO-001-PEDE-191-0001 | 001 | 24" Ceramic Lined Orifice Assembly, 17.38" I.D. |
| χ | A98713 UO-001-PEDE-191-0001 | 002 | 24" Ceramic Lined Orifice Assembly, 17.50" I.D. |
| χ | A98713 UO-001-PEDE-191-0001 | 003 | 24" Ceramic Lined Orifice Assembly, 17.88" I.D. |
| χ | A98713 UO-001-PEDE-191-0001 | 004 | 24" Ceramic Lined Orifice Assembly, 18.00" I.D. |
| χ | A98713 UO-001-PEDE-191-0001 | 005 | 24" Ceramic Lined Orifice Assembly, 18.13" I.D. |
| χ | A98713 UO-001-PEDE-191-0001 | 006 | 24" Ceramic Lined Orifice Assembly, 18.25" I.D. |
| χ | A98713 UO-001-PEDE-191-0001 | 007 | 24" Ceramic Lined Orifice Assembly, 18.38" I.D. |
| χ | A98713 UO-001-PEDE-191-0002 | 008 | 24" Ceramic Lined Orifice Assembly, 18.50" I.D. |
| χ | A98713 UO-001-PEDE-191-0002 | 009 | 24" Ceramic Lined Orifice Assembly, 18.63" I.D. |
| χ | A98713 UO-001-PEDE-191-0002 | 010 | 24" Ceramic Lined Orifice Assembly, 19.00" I.D. |
| χ | A98713 UO-001-PEDE-191-0002 | 011 | 24" Ceramic Lined Orifice Assembly, 20.13" I.D. |
| χ | A98713 UO-001-PEDE-191-0002 | 012 | 24" Ceramic Lined Orifice Assembly, 22.13" I.D. |
| χ | A98777 UO-001-PEDE-0TM-0001 | 003 | HHS2-33-150-460/60-400 / Hydr. Power Unit |
| χ | A98839 UO-001-PEDE-880-0005 | 001 | Ceramic lined mitered elbows |
| χ | A98839 UO-001-PEDE-880-0005 | 002 | ceramic lined mitered elbows |
| χ | A98839 UO-001-PEDE-880-0006 | 001 | Ceramic lined mitered elbows |
| χ | A98839 UO-001-PEDE-880-0006 | 002 | ceramic lined mitered elbows |
| χ | A98839 UO-001-PEDE-880-0007 | 001 | Ceramic lined mitered elbows |
| χ | A98839 UO-001-PEDE-880-0007 | 002 | ceramic lined mitered elbows |
| χ | A98839 UO-001-PEDE-880-0008 | 001 | Ceramic lined mitered elbows |
| χ | A98839 UO-001-PEDE-880-0008 | 002 | ceramic lined mitered elbows |
| χ | A98839 UO-001-PEDE-880-0009 | 001 | Ceramic lined mitered elbows |
| χ | A98839 UO-001-PEDE-880-0009 | 002 | ceramic lined mitered elbows |
| χ | A98839 UO-001-PEDE-880-0010 | 001 | Ceramic lined mitered elbows |

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|---|---|---|---|
| x | A98839 UO-001-PEDE-880-0010 | 003 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0011 | 001 | Ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0011 | 003 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0012 | 001 | Ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0012 | 003 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0013 | 001 | Ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0013 | 003 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0014 | 001 | Ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0014 | 003 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0015 | 001 | Ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0015 | 003 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0016 | 001 | Ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0016 | 004 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0016 | 005 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0017 | 013 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0018 | 013 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0019 | 013 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0020 | 013 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0021 | 013 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0022 | 013 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0023 | 013 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0024 | 013 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0025 | 006 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0025 | 007 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0025 | 008 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0025 | 009 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0026 | 010 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0026 | 011 | ceramic lined mitered elbows |
| x | A98839 UO-001-PEDE-880-0026 | 012 | ceramic lined mitered elbows |
| x | A99267 UO-002-PEDE-820-0017 | 674 | NEMA 4X HALL STATION W/CALL BUTTON D |
| x | A99267 UO-002-PEDE-820-0017 | 675 | NEMA 4X HALL ST W/CALL BUTTON |
| x | A99267 UO-002-PEDE-820-0017 | 676 | NEMA 4X INT HS PB W DPI |
| x | A99267 UO-002-PEDE-820-0017 | 677 | INTERFACE CONTROL |

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|---|---|---|---|
| χ | A99267 UO-002-PEDE-820-0018 | 678 | 24" FACIA |
| χ | A99267 UO-002-PEDE-820-0018 | 679 | 12" FACIA |
| χ | A99267 UO-002-PEDE-820-0018 | 680 | 18" FACIA |
| χ | A99267 UO-002-PEDE-820-0018 | 681 | 24" FACIA |
| χ | A99267 UO-002-PEDE-820-0018 | 682 | 12" FACIA |
| χ | A99267 UO-002-PEDE-820-0018 | 683 | 18" FACIA |
| χ | A99267 UO-002-PEDE-820-0019 | 003 | BEDPLATE PARTS, MX32 |
| χ | A99267 UO-002-PEDE-820-0019 | 063 | TRACTION MACHINE MX32 |
| χ | A99267 UO-002-PEDE-820-0020 | 137 | EN:PIT CHANNELS AND BUFFERS |
| χ | A99267 UO-002-PEDE-820-0021 | 684 | 2SSS DOOR ASSEMBLY |
| χ | A99267 UO-002-PEDE-820-0022 | 703 | 2SSS DOOR ASSEMBLY |
| χ | A99267 UO-002-PEDE-820-0023 | 685 | FACIA/STRIKE JAMB ASSY |
| χ | A99267 UO-002-PEDE-820-0024 | 686 | 2SSS DOOR PANEL/SILL ASSY |
| χ | A99267 UO-002-PEDE-820-0025 | 704 | 2SSS DOOR ASSEMBLY |
| χ | A99267 UO-002-PEDE-820-0026 | 687 | 2SSS DOOR PANEL/STRUT ASSY |
| χ | A99267 UO-002-PEDE-820-0027 | 012 | GOVERNOR KONE OL35 |
| χ | A99267 UO-002-PEDE-820-0030 | 404 | FACEPLATE KSCSM 14 |
| χ | A99267 UO-002-PEDE-820-0030 | 405 | SUPPORT ASM 18" COP WIDTH |
| χ | A99267 UO-002-PEDE-820-0030 | 406 | GROUNDING ASM 1 LEAD |
| χ | A99267 UO-002-PEDE-820-0030 | 407 | FIXING ASM COP |
| χ | A99267 UO-002-PEDE-820-0030 | 408 | DISPLAY ASM DOTM AMBER KSS30 |
| χ | A99267 UO-002-PEDE-820-0030 | 410 | F2KMUL COP MULTIBOARD ONE |
| χ | A99267 UO-002-PEDE-820-0030 | 411 | CROSS REC SCREW M3X6 ST 4.8 |
| χ | A99267 UO-002-PEDE-820-0030 | 413 | COVER KNX/ELEVATOR ID=1 SS E |
| χ | A99267 UO-002-PEDE-820-0030 | 416 | KEYSW ASM SS PH II FIRE SC10 |
| χ | A99267 UO-002-PEDE-820-0030 | 418 | PILOT LIGHT ASM COP FIRE HAT |
| χ | A99267 UO-002-PEDE-820-0030 | 423 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 429 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 435 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 440 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 446 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 452 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 458 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 464 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 470 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 476 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 482 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 488 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 493 | ASSEMBLE PER KM804139 |
| χ | A99267 UO-002-PEDE-820-0030 | 500 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 506 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 512 | BUTTON GRAY CAR AMBER BLANK |
| χ | A99267 UO-002-PEDE-820-0030 | 518 | BUTTON GRAY CAR AMBER BLANK |

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| x | A99267 UO-002-PEDE-820-0030 | 524 | BUTTON GRAY CAR AMBER BLANK |
| x | A99267 UO-002-PEDE-820-0030 | 530 | BUTTON GRAY CAR AMBER BLANK |
| x | A99267 UO-002-PEDE-820-0030 | 536 | BUTTON GRAY CAR AMBER BLANK |
| x | A99267 UO-002-PEDE-820-0030 | 548 | KEYSW ASM SS EN STOP |
| x | A99267 UO-002-PEDE-820-0030 | 554 | BUTTON GRAY CAR AMBER DOOR O |
| x | A99267 UO-002-PEDE-820-0030 | 560 | BUTTON GRAY CAR AMBER DOOR C |
| x | A99267 UO-002-PEDE-820-0030 | 567 | KEYSW ASM SS EN ACCESS ENABL |
| x | A99267 UO-002-PEDE-820-0030 | 568 | EMERGENCY LIGHT ASM |
| x | A99267 UO-002-PEDE-820-0030 | 569 | LABEL LCE EMERGENCY LIGHT BATTERY |
| x | A99267 UO-002-PEDE-820-0030 | 570 | COVER PLATE BLANK EML SS |
| x | A99267 UO-002-PEDE-820-0030 | 573 | CAR DIRECTION LANTERN ASM A |
| x | A99267 UO-002-PEDE-820-0030 | 575 | F2KCDLA & SUBPLATE ASSEMBLY |
| x | A99267 UO-002-PEDE-820-0030 | 576 | CABLE SPI INTERFACE L-3M |
| x | A99267 UO-002-PEDE-820-0030 | 579 | CABLE F2KMUL TO F2KKIB/F2KK |
| x | A99267 UO-002-PEDE-820-0030 | 580 | NAMEPLATE CSA COP/FSP KSS |
| x | A99267 UO-002-PEDE-820-0030 | 582 | F2KMUL TERMINATION AND JUMP |
| x | A99267 UO-002-PEDE-820-0030 | 699 | COP |
| x | A99267 UO-002-PEDE-820-0030 | 724 | CABLR F2KMUL TO F2K DISPLAY |
| x | A99267 UO-002-PEDE-820-0030 | 730 | 409 FILM COP DISPLAY DOT M 5000 |
| x | A99267 UO-002-PEDE-820-0031 | 601 | SAFESCREEN COL (STICKS ONLY) |
| x | A99267 UO-002-PEDE-820-0031 | 602 | OPERATOR AMDNAC 2 DRIVE 2.0 |
| x | A99267 UO-002-PEDE-820-0031 | 725 | ASSEMBLER PER: US14B10908001 |
| x | A99267 UO-002-PEDE-820-0031 | 726 | CAR DOOR TRAC |
| x | A99267 UO-002-PEDE-820-0031 | 728 | LOCK COUPLER CLUTCH CERTIFIED |
| x | A99267 UO-002-PEDE-820-0042 | 716 | CONTROLLER ASSEMBLY |
| x | A99267 UO-002-PEDE-820-0043 | 717 | TRANSFORMER |
| x | A99291 UO-001-PEDE-485-0001 | 001 | AIR HEATER MAINT HOIST |
| x | A99291 UO-001-PEDE-485-0002 | 002 | AIR HEATER MAINT HOIST |
| x | A99291 UO-001-PEDE-485-0003 | 001 | SCR HOIST |
| x | A99291 UO-001-PEDE-485-0004 | 002 | SCR HOIST |
| x | A99291 UO-001-PEDE-485-0005 | 001 | SCR Catalyst Hoist |
| x | A99291 UO-001-PEDE-485-0006 | 002 | Catalyst Hoist |
| x | A99291 UO-003-PEDE-485-0007 | 001 | 10 Ton Boiler Hoist |
| x | A99291 UO-003-PEDE-485-0008 | 002 | 10 Ton Boiler Hoist |
| x | T764-004-3245PB | 098 | ROTOR SECTION LPA |
| x | T764-004-E20021 | 078 | COUPLING PTS GE LPA |
| x | T764-004-E20021 | 078-01 | PLATE-LOCK |
| x | T764-004-E20021 | 078-02 | ALIGN PIN |
| x | T764-004-E20021 | 078-03 | TEMP STUDS F |
| x | T764-004-E20021 | 078-04 | TMPRY SPACER |
| x | T764-004-E20021 | 078-05 | CPLG STUD (3.00-8X22 .75L) |
| x | T764-004-E20021 | 078-06 | NUT |

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|---|---|---|---|
| x | T764-004-E20021 | 078-07 | WASH (4.50ODX3. 31IDX0 .25T) |
| x | T764-004-F0178 | 084 | BEARING SECTION LPA |
| x | T764-004-F0178 | 084-05 | BOLT-HEX HEAD |
| x | T764-004-F0178 | 084-06 | PLATE LOCK |
| x | T764-004-F0178 | 084-08 | BEARING RING-DEVN |
| x | T764-004-F9145 | 054 | SHELL TCPL ARRGT |
| x | T764-004-F9145 | 054-01 | ASSY PYLET |
| x | T764-004-F9145 | 054-02 | CONNECTOR STRAIGHT |
| x | T764-004-F9145 | 054-04 | SHELL TCPL ASM/INNER |
| x | T764-004-F9145 | 054-05 | CONNECTOR STRAIGHT |
| x | T764-004-F9145 | 054-06 | FLEX CONDUIT |
| x | T764-004-F9145 | 054-07 | TCPL ASSY |
| x | T764-004-F9145 | 054-08 | TCPL ASSY |
| x | T764-004-F9145 | 054-09 | TCPL ASSY |
| x | T764-004-F9145 | 054-1A | TCPL ASSY |
| x | T764-004-F9145 | 054-1B | TCPL ASSY |
| x | T764-004-F9145 | 054-1C | TCPL ASSY |
| x | T764-004-F9145 | 054-1D | TCPL ASSY |
| x | T764-004-F9145 | 054-1F | CONNECTOR STRT |
| x | T764-004-F9145 | 054-1G | CND FITTING JAKE |
| x | T764-004-F9145 | 054-1H | BUSHING, RED (THREADED) |
| x | T764-004-F9145 | 054-1I | LOCKNUT |
| x | T764-004-F9145 | 054-1J | INSTL NOTES |
| x | T764-004-F9145 | 054-1K | TERMINAL |
| x | T764-004-F9145 | 056 | JCT BOX ASSY-EMERG TRIP |
| x | T764-004-F9145 | 059 | ARRGT COND-GEN END |
| x | T764-004-F9145 | 059-01 | JCT BOX |
| x | T764-004-F9145 | 059-02 | JUNCT BOX, PROXIMITOR |
| x | T764-004-F9145 | 059-03 | BLOCK TERM |
| x | T764-004-F9145 | 059-04 | TERMINAL |
| x | T764-004-F9145 | 059-05 | LK NUT |

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|---|---|---|---|
| χ | T764-004-F9145 | 059-06 | NAMEPLATE 39VS-101 |
| χ | T764-004-F9145 | 059-07 | NAMEPLATE 39VS-102 |
| χ | T764-004-F9145 | 059-08 | CONDUIT VN |
| χ | T764-004-F9145 | 059-09 | PYLET |
| χ | T764-004-F9145 | 059-1A | FLEX CONDUIT |
| χ | T764-004-F9145 | 059-1C | CONNECTOR STRT |
| χ | T764-004-F9145 | 059-1D | BUSHING, RED (THREADED) |
| χ | T764-004-F9145 | 059-1E | CONDUIT VN |
| χ | T764-004-F9145 | 059-1F | STRAP |
| χ | T764-004-F9145 | 059-1G | SCREW |
| χ | T764-004-F9145 | 059-1H | LK WASHER, SPRING |
| χ | T764-004-F9145 | 059-1I | LOCK WASHER, SPRING |
| χ | T764-004-F9145 | 059-1J | BOLT, HX HD |
| χ | T764-004-F9145 | 059-1K | HEX MCH SCREW NUT |
| χ | T764-004-F9145 | 059-1L | SEAL O RING |
| χ | T764-004-F9145 | 059-1M | BUSHING, INSUL CONDUIT |
| χ | T764-004-F9145 | 059-1N | SLEEVE HEAT-SHRINKABLE |
| χ | T764-004-F9145 | 059-1O | SLEEVE |
| χ | T764-004-F9145 | 059-1P | SLEEVE |
| χ | T764-004-F9145 | 059-1Q | CONNECTOR |
| χ | T764-004-F9145 | 059-1R | BRACKET |
| χ | T764-004-F9145 | 059-1T | CONDT FIT |
| χ | T764-004-F9145 | 059-1U | FLEX CONDUIT |
| χ | T764-004-F9145 | 059-1V | STRAP, PPE |
| χ | T764-004-F9145 | 059-1W | COMPOUND RTV-42 M06 |
| χ | T764-004-F9145 | 059-1X | CONN ST VN .75NPT LIQ TITE |
| χ | T764-004-F9145 | 059-1Y | BUSHING, CONDUIT |
| χ | T764-004-F9145 | 064 | DRAIN TC ASSEMBLY/BRG |
| χ | T764-004-F9145 | 064-01 | TCPL |
| χ | T764-004-F9145 | 064-02 | TERMNL AMP 31890 |
| χ | T764-004-F9145 | 064-03 | FITTING |
| χ | T764-004-F9145 | 064-04 | BUSHING, RED (THREADED) |
| χ | T764-004-F9145 | 064-05 | PLUG |
| χ | T764-004-F9145 | 064-06 | PIPE SLEEVE |

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|---|---|---|---|
| X | T764-004-F9145 | 067 | TCPL/ASM LP BOWL |
| X | T764-004-F9145 | 067-01 | TCPL ASSY |
| X | T764-004-F9145 | 067-02 | TCPL TYPE-E |
| X | T764-004-F9145 | 067-03 | FITTING |
| X | T764-004-F9145 | 067-04 | BUSHING, RED (THREADED) |
| X | T764-004-F9145 | 067-05 | CONN ST VN .75NPT LIQ TITE |
| X | T764-004-F9145 | 067-06 | FLEX CONDUIT |
| X | T764-004-F9145 | 067-07 | PIPE SLEEVE |
| X | T764-004-F9145 | 067-08 | PLUG |
| X | T764-004-F9145 | 068 | MISC INSTRUMENTS |
| X | T764-004-F9145 | 069 | CASING W/D TCPL ARRGT |
| X | T764-004-F9145 | 069-01 | TCPL ASSY |
| X | T764-004-F9145 | 069-02 | TCPL ASSY |
| X | T764-004-F9145 | 069-03 | TCPL ASSY |
| X | T764-004-F9145 | 069-04 | TCPL ASSY |
| X | T764-004-F9145 | 069-05 | PIPE SLEEVE |
| X | T764-004-F9145 | 069-06 | ADAPTER PLUG |
| X | T764-004-F9145 | 069-07 | FITTING |
| X | T764-004-F9145 | 069-08 | BUSHING, RED (THREADED) |
| X | T764-004-F9145 | 069-09 | CONNECTOR STRT |
| X | T764-004-F9145 | 072 | SHELL EXP DET |
| X | T764-004-F9145 | 072-01 | BRACKET |
| X | T764-004-F9145 | 072-02 | SCREW, CAP HEX HD |
| X | T764-004-F9145 | 072-03 | LK WASHER, SPRING |
| X | T764-004-F9145 | 072-04 | BOLT, HX HD |
| X | T764-004-F9145 | 072-05 | LOCK WASHER, SPRING |
| X | T764-004-F9145 | 072-06 | PIN |
| X | T764-004-F9145 | 072-07 | SHIM |
| X | T764-004-F9145 | 073 | GREASE BANK SYSTEM |
| X | T764-004-F9145 | 073-01 | GREASE BANK ASM |
| X | T764-004-F9145 | 073-02 | GREASE BANK ASM |
| X | T764-004-F9145 | 073-03 | B11B9M |
| X | T764-004-F9145 | 073-04 | TUBE FITTING ME |
| X | T764-004-F9145 | 073-05 | TUBE FITTING MBT |
| X | T764-004-F9145 | 073-06 | TUBE FITTING MC |

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|---|---|---|---|
| χ | T764-004-F9145 | 073-07 | TUBE FITTING TU |
| χ | T764-004-F9145 | 073-08 | TUBE FITTING U |
| χ | T764-004-F9145 | 073-09 | CLIP, TUBE |
| χ | T764-004-F9145 | 073-1A | CLIP, TUBE |
| χ | T764-004-F9145 | 073-1B | SCREW, DRIVE TYPE U |
| χ | T764-004-F9145 | 073-1C | WASHER, PLAIN |
| χ | T764-004-F9145 | 073-1D | SCREW, SET |
| χ | T764-004-F9145 | 073-1E | LK WASHER, SPRING |
| χ | T764-004-F9145 | 082 | CPL'G PTS FITTED |
| χ | T764-004-F9145 | 082-01 | LOCKPLATE |
| χ | T764-004-F9145 | 082-02 | ALIGN PIN |
| χ | T764-004-F9145 | 082-03 | TMPRY STUD |
| χ | T764-004-F9145 | 082-04 | CPLG STUD |
| χ | T764-004-F9145 | 082-05 | COUPLING NUT |
| χ | T764-004-F9145 | 082-06 | WASH |
| χ | T764-004-K00009 | 052 | INSTALLATION SPARE PARTS |
| χ | T764-004-K00009 | 052-01 | CARBON BRUSH, NCC |
| χ | T764-004-K00009 | 052-02 | GASKET |
| χ | T764-004-K00009 | 052-03 | GASKET |
| χ | T764-004-K00009 | 052-04 | GASKET MU61 |
| χ | T764-004-K00009 | 052-05 | GASKET |
| χ | T764-004-K00009 | 052-06 | "O" RING (VITON) |
| χ | T764-004-K00009 | 052-07 | "O" RING (VITON) |
| χ | T764-004-K00009 | 052-08 | GASKET |
| χ | T764-004-K00009 | 052-09 | BALANCE WEIGHTS-GENERATOR |
| χ | T764-004-K00009 | 052-1A | SCREW, SET |
| χ | T764-004-K00009 | 052-1B | BAL. WEIGHT |
| χ | T764-004-K00009 | 052-1C | BAL. WEIGHT |
| χ | T764-004-K00009 | 052-1D | BAL. WEIGHT |
| χ | T764-004-K00009 | 052-1E | BAL. WEIGHT |
| χ | T764-004-K00009 | 052-1F | BALANCE WEIGHT |
| χ | T764-004-K00009 | 052-1G | SCREW, SET |
| χ | T764-004-K00009 | 052-1H | FILTER TUBE |
| χ | T764-004-K00009 | 052-1I | FILTER TUBE |
| χ | T764-004-K00009 | 052-1J | FILTER CATRIGE |

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|---|---|---|---|
| x | T764-004-K00009 | 052-1K | SPARE GSKTS/H2 SO SYS |
| x | T764-004-K00009 | 052-1L | GASKET-SPIRAL WOUND |
| x | T764-004-K00009 | 052-1M | GASKET |
| x | T764-004-K00009 | 052-1N | GASKET-SPIRAL WOUND |
| x | T764-004-K00009 | 052-1O | GASKET |
| x | T764-004-K00009 | 052-1P | GASKET |
| x | T764-004-K00009 | 052-1Q | GASKET |
| x | T764-004-K00009 | 052-1R | GASKET |
| x | T764-006-CH9672 | 120 | VALVE SHIP LOOSE |
| x | T764-006-CH9672 | 120-01 | STRAINER/CRSE SCRN ASSY |
| x | T764-006-CH9673 | 120 | VALVE SHIP LOOSE |
| x | T764-006-CH9673 | 120-01 | STRAINER/CRSE SCRN ASSY |
| x | T764-006-CH9674 | 120 | VALVE SHIP LOOSE |
| x | T764-006-CH9674 | 120-02 | GRID WITH HOLES |
| x | T764-006-CH9674 | 120-03 | RIVET |
| x | T764-006-CH9674 | 120-07 | STUD |
| x | T764-006-CH9674 | 120-08 | HEX-NUT |
| x | T764-006-CH9674 | 120-09 | GASKET |
| x | T764-006-CH9674 | 120-1A | GASKET, SPIRAL WOUND |
| x | T764-006-CH9674 | 120-1B | FLANGE |
| x | T764-006-CH9674 | 120-1F | GASKET STOP VALVE |
| x | T764-006-CH9674 | 120-1G | PLUG PIPE |
| x | T764-006-CH9674 | 120-1H | GASKET, SPIRAL WOUND |
| x | T764-006-CH9674 | 120-1I | HEX-NUT |
| x | T764-006-CH9674 | 120-1J | STUD |
| x | T764-006-CH9674 | 120-1K | FLANGE |
| x | T764-006-CH9674 | 120-1L | ASSY PIPE |
| x | T764-007-3287PB | 060 | STATOR BAR TOP BAR |
| x | T764-007-3287PB | 061 | STATOR BAR BOTTOM BAR |
| x | T764-008-A10593 | 062-14 | H2 SEAL ASSY CE |
| x | T764-008-A10593 | 062-2M | BEARING RING-INNER |
| x | T764-008-A10593 | 062-2T | 18X12 SHORT ELP BRG. |

| Tag/Part | Order Number Description |
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| | Boiler Feed Pump Turbines and Accessories |
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| 1-FW-P-1001A | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| 1-FW-P-1001B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1003 | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| 1-FW-P-1002A | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |

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| For 1-FW-P-1002A | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1003 | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1003 | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
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| For 1-FW-P-1003 | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| 1-FW-P-1002-S | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |

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| 1-FW-P-1002B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
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| For 1-FW-P-1002B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-FW-P-1002A&B | Boiler Feedwater Pumps, Booster Pumps and Startup Pump |
| For 1-CD-P-1009A | Condensate Pumps |
| For 1-CD-P-1009A | Condensate Pumps |
| For 1-CD-P-1009B | Condensate Pumps |

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| For 1-CD-P-1009B | Condensate Pumps |
| For 1-CD-P-1009C | Condensate Pumps |
| For 1-CD-P-1009C | Condensate Pumps |
| 3VFAZ050HC001 | EX2100 |
| 3VFAZ050HC001 | EX2100 |
| 1.600.047.296 | Excitation Transformer |
| 1.600.037.335 | High Voltage Bushings |
| 1.600.037.337 | High Voltage Bushings |
| 1.600.037.341 | High Voltage Bushings |
| 1.600.036.983 | H2 CONTROL PANEL |
| 1.600.036.980 | GEN GAS MON SYS |
| 1.600.051.637 | Grounding Transformer & Resistor |
| 1.600.039.473 | Shaft Voltage Monitor |
| 1.600.039.473 | Shaft Voltage Monitor |
| 1.600.039.473 | Shaft Voltage Monitor |
| 1.600.039.473 | Shaft Voltage Monitor |
| 1.600.039.473 | Shaft Voltage Monitor |
| 1.600.039.473 | Shaft Voltage Monitor |
| 1.600.038.078 | STTR LEAK MON SYS-PANEL |
| 1.600.031.365 | H2 Gas Dryer |
| 1-FW-UV-1041-1 | High Pressure Valves - 1 |
| 1-FW-UV-1009-1 | High Pressure Valves - 1 |
| 1-FW-MBV-1013-1 | High Pressure Valves - 1 |
| 1-FW-MBV-1021-1 | High Pressure Valves - 1 |
| 1-FW-MBV-1022-1 | High Pressure Valves - 1 |
| 1-FW-MBV-1023-1 | High Pressure Valves - 1 |
| 1-FW-MBV-1024-1 | High Pressure Valves - 1 |
| 1-FW-BV-1013-1 | High Pressure Valves - 1 |
| 1-FW-UV-1028-1 | High Pressure Valves - 1 |
| 1-FW-UV-1029-1 | High Pressure Valves - 1 |
| 1-FW-UV-1010-1 | High Pressure Valves - 1 |
| 1-FW-UV-1011-1 | High Pressure Valves - 1 |
| 1-MS-BV-1005-1 | High Pressure Valves - 1 |
| 1-FW-BV-1028-1 | High Pressure Valves - 1 |
| 1-FW-BV-1029-1 | High Pressure Valves - 1 |
| 1-FW-MBV-1010-1 | High Pressure Valves - 1 |
| 1-FW-MBV-1011-1 | High Pressure Valves - 1 |
| 1-MS-BV-1006-1 | High Pressure Valves - 1 |
| 1-FW-MBV-1035-1 | High Pressure Valves - 2 |
| 1-FW-MBV-1036-1 | High Pressure Valves - 2 |
| 1-FW-MBV-1019-1 | High Pressure Valves - 2 |
| 1.600.052.252 | Mark VI BFPT Control System |
| 1.600.027.759 | Current Transformer |
| 1.600.036.343 | Stator Cooling Water Skid |
| 1.600.036.343 | Stator Cooling Water Skid |
| 1.600.036.343 | Stator Cooling Water Skid |
| 1.600.036.343 | Stator Cooling Water Skid |

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| 1.600.036.343 | Stator Cooling Water Skid |
| 1.600.029.840 | Main Turbine Lube Oil Skid |
| 1.600.029.840 | Main Turbine Lube Oil Skid |
| 1.600.029.840 | Main Turbine Lube Oil Skid |
| 1.600.029.840 | Main Turbine Lube Oil Skid |
| 1.600.029.840 | Main Turbine Lube Oil Skid |
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| 1.600.029.840 | Main Turbine Lube Oil Skid |
| 1.600.029.840 | Main Turbine Lube Oil Skid |
| 1.600.029.840 | Main Turbine Lube Oil Skid |
| 1.600.047.114 | MOTOR OPERATED VALVES |
| 1.600.047.115 | MOTOR OPERATED VALVES |
| 1.600.047.116 | MOTOR OPERATED VALVES |
| 1.600.047.117 | MOTOR OPERATED VALVES |
| 1.600.047.118 | MOTOR OPERATED VALVES |

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| 1.600.047.120 | MOTOR OPERATED VALVES |
| 365A3825P0001 | Mark VI Steam Turbine Control System |
| 365A3825P0001 | Mark VI Steam Turbine Control System |
| 365A3825P0001 | Mark VI Steam Turbine Control System |
| 229A7335G0001 | Mark VI Steam Turbine Control System |
| 229A7335G0001 | Mark VI Steam Turbine Control System |
| 1.600.041.446 | DC Starter |
| 1.600.036.798 | DC Starter 40HP 240VDC |
| 1.600.036.476 | ML-PR90 |
| 1.600.056.566 | Vibration Monitoring System |
| 1.600.056.566 | Vibration Monitoring System |
| 1.600.056.566 | Vibration Monitoring System |
| 1.600.056.566 | Vibration Monitoring System |
| 1.600.587.630 | Mark VI TCP Modkit |
| 1-CO-CBC-2001 | PULVERIZER CO MONITORING SYSTEM |
| 1-CO-CBC-2002 | PULVERIZER CO MONITORING SYSTEM |
| 1-CO-CBC-2001 | PULVERIZER CO MONITORING SYSTEM |
| 1-CO-AE-2314-1 | PULVERIZER CO MONITORING SYSTEM |
| 1-CO-CBC-2001 | PULVERIZER CO MONITORING SYSTEM |
| 1-CO-AE-2324-1 | PULVERIZER CO MONITORING SYSTEM |
| 1-CO-AE-2334-1 | PULVERIZER CO MONITORING SYSTEM |
| 1-CO-AE-2344-1 | PULVERIZER CO MONITORING SYSTEM |
| 1-CO-AE-2354-1 | PULVERIZER CO MONITORING SYSTEM |
| 1-CO-AE-2364-1 | PULVERIZER CO MONITORING SYSTEM |
| SPAREPART-COMMISSIONING | Ignitors and Flame Scanners |
| SPAREPART-COMMISSIONING-EFCA25 | Ignitors and Flame Scanners |
| 903-3303-vi Commissioning-IGN | Ignitors and Flame Scanners |
| V00-5338 -Commissioning-IGN | Ignitors and Flame Scanners |
| 75-HEI-01 - Commissioning-IGN | Ignitors and Flame Scanners |
| SPAREPART-COMMISSIONING | Ignitors and Flame Scanners |
| CH38016 -Commisssioning-IGN | Ignitors and Flame Scanners |
| SPAREPARTCOMMISSIONING V005335 | Ignitors and Flame Scanners |
| EPSD-0305-3-SS -COMMISSIONING-IGN | Ignitors and Flame Scanners |
| V00-2715 - COMMISSIONING-IGN | Ignitors and Flame Scanners |
| 9033300VI&3301V-COMMISSIONING-IGN | Ignitors and Flame Scanners |
| EPSD-0457-95-81-COMMISSIONING | Ignitors and Flame Scanners |
| 1-CA-JBX-2724-1 | Ignitors and Flame Scanners |
| 1-CA-JBX-2724-2 | Ignitors and Flame Scanners |

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| 1-CA-JBX-2724-3 | Ignitors and Flame Scanners |
| 1-CA-JBX-2724-4 | Ignitors and Flame Scanners |
| 1-CA-JBX-2721-1 | Ignitors and Flame Scanners |
| 1-CA-JBX-2721-2 | Ignitors and Flame Scanners |
| 1-CA-JBX-2721-3 | Ignitors and Flame Scanners |
| 1-CA-JBX-2721-4 | Ignitors and Flame Scanners |
| 1-FO-IGN-2812-1 | Ignitors and Flame Scanners |
| 1-CA-JBX-2717-1 | Ignitors and Flame Scanners |
| 1-FO-IGN-2812-2 | Ignitors and Flame Scanners |
| 1-CA-JBX-2717-2 | Ignitors and Flame Scanners |
| 1-FO-IGN-2812-3 | Ignitors and Flame Scanners |
| 1-CA-JBX-2717-3 | Ignitors and Flame Scanners |
| 1-FO-IGN-2812-4 | Ignitors and Flame Scanners |
| 1-CA-JBX-2717-4 | Ignitors and Flame Scanners |
| 1-FO-IGN-2820-1 | Ignitors and Flame Scanners |
| 1-CA-JBX-2713-1 | Ignitors and Flame Scanners |
| 1-FO-IGN-2820-2 | Ignitors and Flame Scanners |
| 1-CA-JBX-2713-2 | Ignitors and Flame Scanners |
| 1-FO-IGN-2820-3 | Ignitors and Flame Scanners |
| 1-CA-JBX-2713-3 | Ignitors and Flame Scanners |
| 1-FO-IGN-2820-4 | Ignitors and Flame Scanners |
| 1-CA-JBX-2713-4 | Ignitors and Flame Scanners |
| 1-FO-IGN-2828-1 | Ignitors and Flame Scanners |
| 1-CA-JBX-2709-1 | Ignitors and Flame Scanners |
| 1-FO-IGN-2828-2 | Ignitors and Flame Scanners |
| 1-CA-JBX-2709-2 | Ignitors and Flame Scanners |
| 1-FO-IGN-2828-3 | Ignitors and Flame Scanners |
| 1-CA-JBX-2709-3 | Ignitors and Flame Scanners |
| 1-FO-IGN-2828-4 | Ignitors and Flame Scanners |
| 1-CA-JBX-2709-4 | Ignitors and Flame Scanners |
| 1-CA-JBX-2705-1 | Ignitors and Flame Scanners |
| 1-CA-JBX-2705-2 | Ignitors and Flame Scanners |
| 1-CA-JBX-2705-3 | Ignitors and Flame Scanners |
| 1-CA-JBX-2705-4 | Ignitors and Flame Scanners |
| FO-IGN-2212-2 | Ignitors and Flame Scanners |
| FO-IGN-2112-1 | Ignitors and Flame Scanners |
| FO-IGN-2212-4 | Ignitors and Flame Scanners |
| FO-IGN-2112-3 | Ignitors and Flame Scanners |
| FO-IGN-2120-2 | Ignitors and Flame Scanners |
| FO-IGN-2120-1 | Ignitors and Flame Scanners |
| FO-IGN-2120-4 | Ignitors and Flame Scanners |
| FO-IGN-2120-3 | Ignitors and Flame Scanners |
| FO-IGN-2128-2 | Ignitors and Flame Scanners |
| FO-IGN-2128-1 | Ignitors and Flame Scanners |
| FO-IGN-2128-4 | Ignitors and Flame Scanners |
| FO-IGN-2128-3 | Ignitors and Flame Scanners |
| N/A | Ignitors and Flame Scanners |
| N/A | Ignitors and Flame Scanners |
| N/A | Ignitors and Flame Scanners |

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| 1-27233000-00506-1E3396-01-AD-4 | Doors |
| 1-27233000-00506-1E3396-01-AD-4 | Doors |
| 1-27233000-00506-1E3396-01-AD-4 | Doors |
| 1-27233000-00506-1E3397-01-HV-1 | Doors |
| 1-27233000-00506-1E3396-01-AD-4 | Doors |
| 1-27233000-00506-1E3397-01-HV-1 | Doors |
| 1-27236400-982-007-AB-OD-1 | Doors |
| 1-27233000-00506-1D3411-AD-2 | Doors |
| 1-27233000-00506-1D3412-AD-3 | Doors |
| 1-27236400-982-007-AB-OD-1 | Doors |
| 1-27236400-982-007-AB-OD-2 | Doors |
| 1-27233000-00506-1E3397-04-HV-1 | Doors |
| 1-27236400-982-007-AB-OD-2 | Doors |
| 1-27236400-982-007-AB-OD-3 | Doors |
| 1-27234130-AD-1 | Doors |
| 1-27233000-00506-1E3397-05-HV-1 | Doors |
| 1-27233000-00506-1E3397-06-HV-1 | Doors |
| 1-F0-FE-2001-1 | Fuel Oil Flow Meters |
| 1-FO-FIT-2001-1 | Fuel Oil Flow Meters |
| N/A | Fuel Oil Flow Meters |
| N/A | Fuel Oil Flow Meters |
| 1-CA-FE-2340-1 | Air Flow Elements |
| 1-CA-FE-2340-2 | Air Flow Elements |
| 1-CA-FE-2340-3 | Air Flow Elements |
| 1-CA-FE-2340-4 | Air Flow Elements |
| 1-CA-FE-2350-1 | Air Flow Elements |
| 1-CA-FE-2350-2 | Air Flow Elements |
| 1-CA-FE-2350-3 | Air Flow Elements |
| 1-CA-FE-2350-4 | Air Flow Elements |
| 1-SG-FI-2553-1 | Instrumentation |
| 1-SG-PI-2561-1 | Instrumentation |
| 1-MU-PI-2703-1 | Instrumentation |
| 1-MS-PI-2001-1 | Instrumentation |
| 1-AM-PDI-2702A-1 | Instrumentation |
| 1-FG-PI-2305-1 | Instrumentation |
| 1-FO-PI-2001-1 | Instrumentation |
| 1-MS-PI-2002-1 | Instrumentation |
| 1-FO-PI-2511-1 | Instrumentation |

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| 1-FG-PI-2306-1 | Instrumentation |
| 1-AM-PDI-2702A-2 | Instrumentation |
| 1-SG-FI-2554-1 | Instrumentation |
| 1-CC-PI-2081-1 | Instrumentation |
| 1-SG-FI-2555-1 | Instrumentation |
| 1-NB-PI-2050-1 | Instrumentation |
| 1-HR-PI-2001-1 | Instrumentation |
| 1-FO-PI-2512-1 | Instrumentation |
| 1-AM-PDI-2702A-3 | Instrumentation |
| 1-PW-PI-2550-1 | Instrumentation |
| 1-HR-PI-2002-1 | Instrumentation |
| 1-FO-PI-2513-1 | Instrumentation |
| 1-AM-PDI-2702A-4 | Instrumentation |
| 1-PW-PI-2550-2 | Instrumentation |
| 1-AM-PDI-2702A-5 | Instrumentation |
| 1-FO-PI-2514-1 | Instrumentation |
| 1-AM-PDI-2702B-1 | Instrumentation |
| 1-FO-PI-2521-1 | Instrumentation |
| 1-PW-PI-2550-3 | Instrumentation |
| 1-AM-PDI-2702B-2 | Instrumentation |
| 1-FO-PI-2522-1 | Instrumentation |
| 1-FO-PI-2523-1 | Instrumentation |
| 1-AM-PDI-2702B-3 | Instrumentation |
| 1-AM-PDI-2702B-4 | Instrumentation |
| 1-FO-PI-2524-1 | Instrumentation |
| 1-FO-PI-2531-1 | Instrumentation |
| 1-AM-PDI-2702B-5 | Instrumentation |
| 1-FO-PI-2532-1 | Instrumentation |
| 1-FO-PI-2533-1 | Instrumentation |
| 1-FO-PI-2534-1 | Instrumentation |
| 1-FO-PI-2511-1 | Instrumentation |
| 1-SA-PI-2001-1 | Instrumentation |
| 1-SA-PI-2511-1 | Instrumentation |
| 1-SA-PI-2512-1 | Instrumentation |
| 1-SA-PI-2513-1 | Instrumentation |
| 1-SA-PI-2514-1 | Instrumentation |
| 1-SA-PI-2521-1 | Instrumentation |
| 1-SA-PI-2522-1 | Instrumentation |
| 1-SA-PI-2523-1 | Instrumentation |
| 1-SA-PI-2524-1 | Instrumentation |
| 1-SA-PI-2531-1 | Instrumentation |
| 1-SA-PI-2532-1 | Instrumentation |
| 1-SA-PI-2533-1 | Instrumentation |
| 1-SA-PI-2534-1 | Instrumentation |
| 1-AM-TI-2050-1 | Instrumentation |
| 1-SG-TI-2561-1 | Instrumentation |
| 1-CC-TI-2556-1 | Instrumentation |
| 1-CC-TI-2558-1 | Instrumentation |
| 1-CC-TI-2560-1 | Instrumentation |
| 1-CC-TI-2562-1 | Instrumentation |
| 1-CC-TI-2564-1 | Instrumentation |
| 1-CC-TI-2566-1 | Instrumentation |

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| 1-CC-TI-2574-1 | Instrumentation |
| 1-CC-TI-2577-1 | Instrumentation |
| 1-CC-TI-2081-1 | Instrumentation |
| 1-CC-TI-2082-1 | Instrumentation |
| 1-CC-TI-2585-1 | Instrumentation |
| 1-CC-TI-2588-1 | Instrumentation |
| 1-AS-BV-2055-1 77440000 | Valves |
| 1-AS-BV-2057-1 77440000 | Valves |
| 1-AS-BV-2058-1 77440000 | Valves |
| 1-AS-BV-2059-1 77440000 | Valves |
| 1-AS-BV-2061-1 77440000 | Valves |
| 1-AS-BV-2063-1 77440000 | Valves |
| 1-AS-BV-2054-1 77440000 | Valves |
| 1-AS-BV-2054-2 77440000 | Valves |
| 1-AS-BV-2060-1 77440000 | Valves |
| 1-AS-BV-2060-2 77440000 | Valves |
| 1-MA-IRK-2004 | Instrument Enclosures |
| 1-PA-IRK-2003 | Instrument Enclosures |
| 1-CA-IRK-2011 | Instrument Enclosures |
| 1-CA-IRK-2010 | Instrument Enclosures |
| 1-CA-IRK-2015 | Instrument Enclosures |
| 1-FG-IRK-2001 | Instrument Enclosures |
| 1-FG-IRK-2002 | Instrument Enclosures |
| 1-MA-IRK-2003 | Instrument Enclosures |
| 1-CA-IRK-2012 | Instrument Enclosures |
| 1-CA-IRK-2014 | Instrument Enclosures |
| 1-CA-IRK-2017 | Instrument Enclosures |
| 1-CA-IRK-2001 | Instrument Enclosures |
| 1-PA-IRK-2004 | Instrument Enclosures |
| 1-Ca-IRK-2013 | Instrument Enclosures |
| 1-CA-IRK-2016 | Instrument Enclosures |
| 1-SG-IRK-2706 | Instrument Enclosures |
| 1-SG-IRK-2709 | Instrument Enclosures |
| 1-SG-IRK-2707 | Instrument Enclosures |
| 1-SG-IRK-2712 | Instrument Enclosures |
| 1-SG-IRK-2705 | Instrument Enclosures |

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| 1-SG-IRK-2710 | Instrument Enclosures |
| 1-SG-IRK-2708 | Instrument Enclosures |
| 1-SG-IRK-2711 | Instrument Enclosures |
| 1-FW-IRK-2002 | Instrument Enclosures |
| 1-FW-IRK-2701 | Instrument Enclosures |
| 1-FW-IRK-2702 | Instrument Enclosures |
| 1-SG-IRK-2703 | Instrument Enclosures |
| 1-SG-IRK-2704 | Instrument Enclosures |
| 1-SG-IRK-2713 | Instrument Enclosures |
| 1-MS-IRK-2002 | Instrument Enclosures |
| 1-MS-IRK-2005 | Instrument Enclosures |
| 1-MS-IRK-2003 | Instrument Enclosures |
| 1-MS-IRK-2004 | Instrument Enclosures |
| 1-HR-IRK-2002 | Instrument Enclosures |
| 1-MS-IRK-2001 | Instrument Enclosures |
| 1-HR-IRK-2001 | Instrument Enclosures |
| 1-SG-IRK-2714 | Instrument Enclosures |
| 1-SG-IRK-2009 | Instrument Enclosures |
| 1-PA-IRK-2001 | Instrument Enclosures |
| 1-PA-IRK-2002 | Instrument Enclosures |
| 1-PW-IRK-2001 | Instrument Enclosures |
| 1-PW-IRK-2002 | Instrument Enclosures |
| 1-CA-IRK-2029 | Instrument Enclosures |
| 1-CA-IRK-2031 | Instrument Enclosures |
| 1-PA-IRK-2005 | Instrument Enclosures |
| 1-PA-IRK-2007 | Instrument Enclosures |
| 1-AS-IRK-2001 | Instrument Enclosures |
| 1-AS-IRK-2002 | Instrument Enclosures |
| 1-PA-IRK-2006 | Instrument Enclosures |
| 1-SG-IRK-2504 | Instrument Enclosures |
| 1-CC-IRK-2001 | Instrument Enclosures |

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| 1-MA-IRK-2002 | Instrument Enclosures |
| 1-BD-IRK-2001 | Instrument Enclosures |
| 1-CR-IRK-2001 | Instrument Enclosures |
| 1-CR-IRK-2002 | Instrument Enclosures |
| 1-FO-IRK-2002 | Instrument Enclosures |
| 1-SA-IRK-2001 | Instrument Enclosures |
| 1-MU-IRK-2001 | Instrument Enclosures |
| 1-SG-IRK-2575 | Instrument Enclosures |
| 1-SG-IRK-2577 | Instrument Enclosures |
| 1-SG-IRK-2578 | Instrument Enclosures |
| 1-SG-IRK-2010 | Instrument Enclosures |
| 1-SG-IRK-2020 | Instrument Enclosures |
| 1-SG-IRK-2050 | Instrument Enclosures |
| 1-SG-IRK-2060 | Instrument Enclosures |
| 1-SG-IRK-2007 | Instrument Enclosures |
| 1-SG-IRK-2008 | Instrument Enclosures |
| 1-SG-IRK-2030 | Instrument Enclosures |
| 1-SG-IRK-2040 | Instrument Enclosures |
| 1-PA-IRK-2008 | Instrument Enclosures |
| 1-PA-IRK-2009 | Instrument Enclosures |
| 1-PA-IRK-2010 | Instrument Enclosures |
| 1-SG-IRK-2006 | Instrument Enclosures |
| 1-FO-IRK-2001 | Instrument Enclosures |
| 1-SG-IRK-2701 | Instrument Enclosures |
| 1-SB-IRK-2001 | Instrument Enclosures |
| 1-SB-IRK-2002 | Instrument Enclosures |
| 1-CA-IRK-2030 | Instrument Enclosures |
| 1-CA-IRK-2032 | Instrument Enclosures |
| 1-SG-IRK-2702 | Instrument Enclosures |
| 1-CO-IRK-2001 | Instrument Enclosures |
| 1-CO-IRK-2005 | Instrument Enclosures |

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| 1-CO-IRK-2002 | Instrument Enclosures |
| 1-CO-IRK-2003 | Instrument Enclosures |
| 1-CO-IRK-2004 | Instrument Enclosures |
| 1-CO-IRK-2006 | Instrument Enclosures |
| 1-CA-IRK-2006 | Instrument Enclosures |
| 1-CA-IRK-2009 | Instrument Enclosures |
| 1-CA-IRK-2003 | Instrument Enclosures |
| 1-CA-IRK-2007 | Instrument Enclosures |
| 1-CA-IRK-2004 | Instrument Enclosures |
| 1-CA-IRK-2005 | Instrument Enclosures |
| 00506-1D8625 PART NO. 003 | Instrument Installation Material |
| 00506-1D8625 PART NO. 003 | Instrument Installation Material |
| DWG 00506-1D8625 PART NO 003C | Instrument Installation Material |
| 00506-1D8625, PART NO. 006 | Instrument Installation Material |
| 00506-1D8625, PART NO 012 | Instrument Installation Material |
| 00506-1D8625 PART NO 614C | Instrument Installation Material |
| 00506-1D8625 PART NO 614C | Instrument Installation Material |
| 00506-1D8625 PART NO 614C | Instrument Installation Material |
| 00506-1D8625 PART NO 614C | Instrument Installation Material |
| 00506-1D8625 PART NO 614C | Instrument Installation Material |
| 00506-1D8625 PART NO 614C | Instrument Installation Material |
| 00506-1D8625 PART NO 614C | Instrument Installation Material |
| 00506-1D8625 PART NO 614C | Instrument Installation Material |
| 00506-1D8625 PART NO 614C | Instrument Installation Material |
| 00506-1D8625 PART NO 614C | Instrument Installation Material |
| 00506-1D8625 PART NO. 004 | Instrument Installation Material |
| 00506-1D8625 PART NO. 004C | Instrument Installation Material |
| 00506-1D8625, PART NO. 007 | Instrument Installation Material |
| 00506-1D8625, PART NO. 007 | Instrument Installation Material |
| 00506-1D8625 PART NO 008 | Instrument Installation Material |
| 00506-1D8625, PART NO. 008C | Instrument Installation Material |

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| 00506-1D8625, PART NO. 009 | Instrument Installation Material |
| 00506-1D8625, PART NO 010 | Instrument Installation Material |
| 00506-1D8625, PART NO 011 | Instrument Installation Material |
| 00506-1D8625, PART NO. 015 | Instrument Installation Material |
| 00506-1D8625 PART NO 021 | Instrument Installation Material |
| 00506-1D8625 PART NO 022 | Instrument Installation Material |
| 00506-1D8625 PART NO 473 | Instrument Installation Material |
| 00506-1D8625 PART NO 019 | Instrument Installation Material |
| 00506-1D8625 PART NO 024 | Instrument Installation Material |
| 00506-1D8625, PART NO 324 | Instrument Installation Material |
| 00506-1D8625, PART NO 023 | Instrument Installation Material |
| 00506-1D8625 PART NO 613 | Instrument Installation Material |
| 00506-1D8625 PART NO 613 | Instrument Installation Material |
| 00506-1D8625 PART NO 613 | Instrument Installation Material |
| 00506-1D8625 PART NO 614 | Instrument Installation Material |
| 00506-1D8625 PART NO 614 | Instrument Installation Material |
| 00506-1D8625 PART NO 614 | Instrument Installation Material |
| 00506-1D8625 PART NO 614 | Instrument Installation Material |
| 00506-1D8625 PART NO 634 | Instrument Installation Material |
| 00506-1D8625 PART NO 634 | Instrument Installation Material |
| 00506-1D8625 PART NO 634 | Instrument Installation Material |
| 00506-1D8625 PART NO 634 | Instrument Installation Material |
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| 00506-1D8625 PART NO 634 | Instrument Installation Material |
| 00506-1D8625 PART NO 634 | Instrument Installation Material |
| 00506-1D8625 PART NO 614 | Instrument Installation Material |
| 00506-1D8625 PART NO 634 | Instrument Installation Material |
| 00506-1D8625 PART NO 634 | Instrument Installation Material |

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| 00506-1D8625 PART NO 614C | Instrument Installation Material |
| 00506-1D8625, PART NO. 007 | Instrument Installation Material |
| 00506-1D8625, PART NO 007C | Instrument Installation Material |
| 00506-1D8625, PART NO. 016 | Instrument Installation Material |
| 00506-1D8625, PART NO 017F | Instrument Installation Material |
| 00506-1D8625, PART NO. 020 | Instrument Installation Material |
| 00506-1D8625 PART NO 614 | Instrument Installation Material |
| 1-CO-ABV-2311-1 | Pulverizers |
| 1-CO-ABV-2312-1 | Pulverizers |
| 1-CO-ABV-2313-1 | Pulverizers |
| 1-CO-ABV-2314-1 | Pulverizers |
| 1-CO-ABV-2321-1 | Pulverizers |
| 1-CO-ABV-2322-1 | Pulverizers |
| 1-CO-ABV-2323-1 | Pulverizers |
| 1-CO-ABV-2324-1 | Pulverizers |
| 1-CO-ABV-2331-1 | Pulverizers |
| 1-CO-ABV-2332-1 | Pulverizers |
| 1-CO-ABV-2333-1 | Pulverizers |
| 1-CO-ABV-2334-1 | Pulverizers |
| 1-CO-ABV-2341-1 | Pulverizers |
| 1-CO-ABV-2342-1 | Pulverizers |
| 1-CO-ABV-2343-1 | Pulverizers |
| 1-CO-ABV-2344-1 | Pulverizers |
| 1-CO-ABV-2351-1 | Pulverizers |
| 1-CO-ABV-2352-1 | Pulverizers |
| 1-CO-ABV-2353-1 | Pulverizers |
| 1-CO-ABV-2354-1 | Pulverizers |
| 1-CO-ABV-2361-1 | Pulverizers |
| 1-CO-ABV-2362-1 | Pulverizers |
| 1-CO-ABV-2363-1 | Pulverizers |
| 1-CO-ABV-2364-1 | Pulverizers |
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| 1-CO-SKD-2043 | Pulverizers |
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| 1-CO-PLV-2010 | Pulverizers |
| EA | Pulverizers |

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| 1-CO-PLV-2020 | Pulverizers |
| EA | Pulverizers |
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| 1-CO-PLV-2030 | Pulverizers |
| EA | Pulverizers |
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| 1-CO-PLV-2040 | Pulverizers |
| EA | Pulverizers |
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| 1-CO-PLV-2050 | Pulverizers |
| EA | Pulverizers |
| EA | Pulverizers |
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| 1-CO-PLV-2060 | Pulverizers |
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| 101-2758-E | Pulverizers |
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| 101-2758-E | Pulverizers |
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| 101-3268 | Pulverizers |
| 4827 | Pulverizers |
| 807 | Pulverizers |
| GP-10194-A | Pulverizers |
| GP-11026 | Pulverizers |
| GP-11049-A | Pulverizers |
| GP-11585 | Pulverizers |
| GP-11587 | Pulverizers |
| GP-11588 | Pulverizers |
| GP-11699 | Pulverizers |
| GP-12635 | Pulverizers |
| GP-4123-F | Pulverizers |
| GP-6619 | Pulverizers |
| GP-8642 | Pulverizers |
| GP-9915 | Pulverizers |
| MP-2653 | Pulverizers |
| MP-8911-AD | Pulverizers |
| R00-9099 | Pulverizers |
| R00-9456 | Pulverizers |
| R00-9457 | Pulverizers |
| V00-1863 | Pulverizers |
| V00-2254 | Pulverizers |
| V00-2466 | Pulverizers |
| V00-464 | Pulverizers |
| 11-1009 | Pulverizers |
| 38657 | Pulverizers |
| 39022 | Pulverizers |
| 39753 | Pulverizers |
| 75546 | Pulverizers |
| 771333 | Pulverizers |
| 402468 | Pulverizers |
| 13-3003 | Pulverizers |
| 13-3038 | Pulverizers |
| 13-3040 | Pulverizers |
| 13-3108 | Pulverizers |
| 13-3109 | Pulverizers |
| 13-3126 | Pulverizers |
| 13-4035 | Pulverizers |
| 13-4165 | Pulverizers |
| 13-4175 | Pulverizers |
| 15-1000 | Pulverizers |
| 15-2002 | Pulverizers |
| 15-2006 | Pulverizers |
| 4126 | Pulverizers |
| 4809 | Pulverizers |
| 4836 | Pulverizers |

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| GP-9936-E | Pulverizers |
| GP-2854-Q | Pulverizers |
| GP-7490-R | Pulverizers |
| 101-3273 | Pulverizers |
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| 101-3273 | Pulverizers |
| GP-12639 | Pulverizers |
| 101-3273 | Pulverizers |
| 101-3273 | Pulverizers |
| 101-3273 | Pulverizers |
| GP-12639 | Pulverizers |
| GP-8580 | Pulverizers |
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| GP-8580 | Pulverizers |
| GP-8580 | Pulverizers |
| GP-8580 | Pulverizers |
| GP-11590 | Pulverizers |
| 1-CO-PLV-2011 | Pulverizers |
| 1-CO-PLV-2021 | Pulverizers |
| 1-CO-PLV-2031 | Pulverizers |
| 1-CO-PLV-2041 | Pulverizers |
| 1-CO-PLV-2051 | Pulverizers |
| 1-CO-PLV-2061 | Pulverizers |
| 1-CO-CPL-2011 | Pulverizers |
| 1-CO-CPL-2021 | Pulverizers |
| 1-CO-CPL-2031 | Pulverizers |
| 1-CO-CPL-2041 | Pulverizers |
| 1-CO-CPL-2051 | Pulverizers |
| 1-CO-CPL-2061 | Pulverizers |
| 9 | Ljungstrom Air Heaters |
| 3 | Ljungstrom Air Heaters |
| 32 | Ljungstrom Air Heaters |
| 10 | Ljungstrom Air Heaters |
| 12 | Ljungstrom Air Heaters |
| 43 | Ljungstrom Air Heaters |
| 28 | Ljungstrom Air Heaters |
| 31 | Ljungstrom Air Heaters |
| 25 | Ljungstrom Air Heaters |
| 35 | Ljungstrom Air Heaters |
| 39 | Ljungstrom Air Heaters |
| 22 | Ljungstrom Air Heaters |
| 34 | Ljungstrom Air Heaters |
| 26 | Ljungstrom Air Heaters |

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| 17 | Ljungstrom Air Heaters |
| 30 | Ljungstrom Air Heaters |
| 14 | Ljungstrom Air Heaters |
| 13 | Ljungstrom Air Heaters |
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| 36 | Ljungstrom Air Heaters |
| 37 | Ljungstrom Air Heaters |
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| 19 | Ljungstrom Air Heaters |
| 24 | Ljungstrom Air Heaters |
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| 40 | Ljungstrom Air Heaters |
| 21 | Ljungstrom Air Heaters |
| 18 | Ljungstrom Air Heaters |
| 33 | Ljungstrom Air Heaters |
| 41 | Ljungstrom Air Heaters |
| 5 | Ljungstrom Air Heaters |
| 11 | Ljungstrom Air Heaters |
| 6 | Ljungstrom Air Heaters |
| 16 | Ljungstrom Air Heaters |
| 23 | Ljungstrom Air Heaters |
| 10 | Ljungstrom Air Heaters |
| 7 | Ljungstrom Air Heaters |
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| 7 | Ljungstrom Air Heaters |
| 9 | Ljungstrom Air Heaters |
| 10 | Ljungstrom Air Heaters |
| FGBV2309-1 | Air Heater Wash Hopper Slide Gate Valves |
| FGBV2309-2 | Air Heater Wash Hopper Slide Gate Valves |
| FGBV2310-1 | Air Heater Wash Hopper Slide Gate Valves |
| FGBV2310-2 | Air Heater Wash Hopper Slide Gate Valves |
| | Air Heater Wash Hopper Slide Gate Valves |
| | Air Heater Wash Hopper Slide Gate Valves |
| | Air Heater Wash Hopper Slide Gate Valves |
| | Air Heater Wash Hopper Slide Gate Valves |
| N-A | Primary Air Fans |
| 1-PA-FAN-2001A & 2001B | Primary Air Fans |
| N-A | Primary Air Fans |
| N-A | Primary Air Fans |
| N-A | Primary Air Fans |
| N-A | Primary Air Fans |
| N-A | Primary Air Fans |
| N-A | Primary Air Fans |
| N-A | Primary Air Fans |
| 764-G15-15 | Platforms, Railing, Grating |
| 764-G21-6 | Platforms, Railing, Grating |
| WWP Construction Spare Tubes | Pressure Parts |
| WWP Construction Spare Tubes | Pressure Parts |
| WWP Construction Spare Tubes | Pressure Parts |
| WWP Construction Spare Tubes | Pressure Parts |
| WWO&RH CUST SPARE TUBING | Pressure Parts |
| WWO&RH CUST SPARE TUBING | Pressure Parts |
| WWO&RH CUST SPARE TUBING | Pressure Parts |
| WWO&RH CUST SPARE TUBING | Pressure Parts |
| WWO&RH CUST SPARE TUBING | Pressure Parts |
| WWO&RH CUST SPARE TUBING | Pressure Parts |
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| WWO&RH CUST SPARE TUBING | Pressure Parts |
| WWO&RH CUST SPARE TUBING | Pressure Parts |
| 1-MA-FAN-2005A | Pulverizer Seal Air, Scanner Air, an Penthouse Cooling Fans |
| 1-MA-FAN-2005B | Pulverizer Seal Air, Scanner Air, an Penthouse Cooling Fans |
| | Pulverizer Seal Air, Scanner Air, an Penthouse Cooling Fans |
| | Pulverizer Seal Air, Scanner Air, an Penthouse Cooling Fans |
| 1-MA-FAN-2001A | Pulverizer Seal Air, Scanner Air, an Penthouse Cooling Fans |
| 1-MA-FAN-2001B | Pulverizer Seal Air, Scanner Air, an Penthouse Cooling Fans |
| | Pulverizer Seal Air, Scanner Air, an Penthouse Cooling Fans |
| | Pulverizer Seal Air, Scanner Air, an Penthouse Cooling Fans |
| 1-BB-FAN-2001 | Pulverizer Seal Air, Scanner Air, an Penthouse Cooling Fans |
| 100-1608 | SCR Sonic Horns |
| 100-1608 | SCR Sonic Horns |
| 100-1608 | SCR Sonic Horns |
| 100-1608 | SCR Sonic Horns |
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| 100-1608 | SCR Sonic Horns |
| 1-FG-MBD-2301-1 | Dampers |
| 1-FG-MBD-2301-1 | Dampers |
| N/A | Dampers |
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| 1-CO-PLV-2010 | PA Fan and Pulverizer Motors |
| 1-CO-PLV-2020 | PA Fan and Pulverizer Motors |
| 1-CO-PLV-2030 | PA Fan and Pulverizer Motors |
| 1-CO-PLV-2010 | PA Fan and Pulverizer Motors |
| 1-CO-PLV-2040 | PA Fan and Pulverizer Motors |
| 1-CO-PLV-2050 | PA Fan and Pulverizer Motors |
| 1-CO-PLV-2060 | PA Fan and Pulverizer Motors |
| 1-PA-FAN-2001A | PA Fan and Pulverizer Motors |
| 1-PA-FAN-2001B | PA Fan and Pulverizer Motors |
| F-WB-2 | Windboxes |
| F-WB-3 | Windboxes |
| F-WB-4 | Windboxes |
| 1-CO-FDR-2022 | Coal Feeders |
| 1-CO-FDR-2012 | Coal Feeders |
| 1-CO-FDR-2032 | Coal Feeders |
| 1-CO-FDR-2042 | Coal Feeders |
| AB14862-1 | Coal Feeders |
| 1-CO-FDR-2052 | Coal Feeders |
| 1-CO-FDR-2062 | Coal Feeders |
| AC37799-1 | Coal Feeders |
| AC37799-1 | Coal Feeders |
| AC37799-1 | Coal Feeders |
| AC37799-1 | Coal Feeders |
| AC37799-1 | Coal Feeders |
| AC37799-1 | Coal Feeders |
| AFP 249 | Coal Feeders |
| AFP 249 | Coal Feeders |
| AFP 249 | Coal Feeders |
| AFP 249 | Coal Feeders |
| AFP 249 | Coal Feeders |
| AFP 249 | Coal Feeders |
| AFP 236 | Coal Feeders |
| AFP 236 | Coal Feeders |
| AFP 236 | Coal Feeders |
| AFP 236 | Coal Feeders |
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| AFP 236 | Coal Feeders |
| AC22526-1 | Coal Feeders |
| AC22526-1 | Coal Feeders |
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| AC22526-1 | Coal Feeders |
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| AC22527-1 | Coal Feeders |

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| AC22527-1 | Coal Feeders |
| AC22527-1 | Coal Feeders |
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| AC17431-172 | Coal Feeders |
| AC17431-172 | Coal Feeders |
| AC17431-172 | Coal Feeders |
| AC17431-172 | Coal Feeders |
| AC17431-172 | Coal Feeders |
| AC17431-172 | Coal Feeders |
| 1-CO-HV-2310-1 | Coal Feeders |
| 1-CO-HV-2320-1 | Coal Feeders |
| 1-CO-HV-2330-1 | Coal Feeders |
| 1-CO-HV-2340-1 | Coal Feeders |
| 1-CO-HV-2350-1 | Coal Feeders |
| 1-CO-HV-2360-1 | Coal Feeders |
| 1-CO-HV-2311-2 | Burner Shutoff Gates |
| 1-CO-HV-2312-2 | Burner Shutoff Gates |
| 1-CO-HV-2313-2 | Burner Shutoff Gates |
| 1-CO-HV-2314-2 | Burner Shutoff Gates |
| 1-CO-HV-2321-2 | Burner Shutoff Gates |
| 1-CO-HV-2322-2 | Burner Shutoff Gates |
| 1-CO-HV-2323-2 | Burner Shutoff Gates |
| 1-CO-HV-2324-2 | Burner Shutoff Gates |
| 1-CO-HV-2331-2 | Burner Shutoff Gates |
| 1-CO-HV-2332-2 | Burner Shutoff Gates |
| 1-CO-HV-2333-2 | Burner Shutoff Gates |
| 1-CO-HV-2334-2 | Burner Shutoff Gates |
| 1-CO-HV-2341-2 | Burner Shutoff Gates |
| 1-CO-HV-2342-2 | Burner Shutoff Gates |
| 1-CO-HV-2343-2 | Burner Shutoff Gates |
| 1-CO-HV-2344-2 | Burner Shutoff Gates |
| 1-CO-HV-2351-2 | Burner Shutoff Gates |
| 1-CO-HV-2352-2 | Burner Shutoff Gates |
| 1-CO-HV-2353-2 | Burner Shutoff Gates |
| 1-CO-HV-2354-2 | Burner Shutoff Gates |
| 1-CO-HV-2361-2 | Burner Shutoff Gates |
| 1-CO-HV-2362-2 | Burner Shutoff Gates |
| 1-CO-HV-2363-2 | Burner Shutoff Gates |
| 1-CO-HV-2364-2 | Burner Shutoff Gates |
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| SPARE | Sootblowers |
| 1-SB-BV-2564-5, 2564-6, 2057-5, 2057-6 | Sootblowers |
| SPARE | Sootblowers |
| SPARE | Sootblowers |
| SPARE | Sootblowers |
| SPARE | Sootblowers |
| MATERIAL CERT ONLY | Sootblowers |
| SPARE | Sootblowers |
| SPARE | Sootblowers |
| N/A | Sootblowers |
| 1-SB-MBV-2063-1,1-SB-MBV-2564-1 | Sootblowers |
| 1-SB-PIT-2057-1 | Sootblowers |
| 1-SB-FIT-2564-1 | Sootblowers |
| 1-SB-FE-2564-1 | Sootblowers |
| 1-SB-FIT-2057-1 | Sootblowers |

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| 1-SB-FE-2057-1 | Sootblowers |
| 1-CA-TT-2704A-1& B1 | Sootblowers |
| 1-SB-UV-2564-1 | Sootblowers |
| 1-SB-BV-2564-3 | Sootblowers |
| SPARE | Sootblowers |
| 1-FO-HS-27XXX-X | Oil gun Local Control Stations |
| 1-MA-BD-2304A-1 | Butterfly Valves |
| 1-MA-BD-2304B-1 | Butterfly Valves |
| 1-MA-ABV-2311-1 | Butterfly Valves |
| 1-MA-ABV-2321-1 | Butterfly Valves |
| 1-MA-ABV-2331-1 | Butterfly Valves |
| 1-MA-ABV-2341-1 | Butterfly Valves |
| 1-MA-ABV-2351-1 | Butterfly Valves |
| 1-MA-ABV-2361-1 | Butterfly Valves |
| 1-PA-BD-2313-1 | Butterfly Valves |
| 1-PA-BD-2323-1 | Butterfly Valves |
| 1-PA-BD-2333-1 | Butterfly Valves |
| 1-PA-BD-2343-1 | Butterfly Valves |
| 1-PA-BD-2353-1 | Butterfly Valves |
| 1-PA-BD-2363-1 | Butterfly Valves |
| 1-MA-PCV-2302-1 | Butterfly Valves |
| 1-MA-PDIC-2302-1 | Butterfly Valves |
| 1-MA-PCV-2302-1 | Butterfly Valves |
| 1-MA-PCV-2302-1 | Butterfly Valves |
| 1-MA-PCV-2302-1 | Butterfly Valves |
| 1-MA-PCV-2302-1 | Butterfly Valves |
| 1-MA-PCV-2302-1 | Butterfly Valves |
| 1-MA-PCV-2302-1 | Butterfly Valves |
| 1-CA-CDR-2740-1 | Tilt Drives |
| 1-CA-CDR-2740-3 | Tilt Drives |
| 1-CA-CDR-2740-2 | Tilt Drives |
| 1-CA-CDR-2740-4 | Tilt Drives |
| 1-CA-CDR-2750-1 | Tilt Drives |
| 1-CA-CDR-2750-3 | Tilt Drives |
| 1-CA-CDR-2750-2 | Tilt Drives |
| 1-CA-CDR-2750-4 | Tilt Drives |
| 1-CA-CDR-2760-1 | Tilt Drives |
| 1-CA-CDR-2760-2 | Tilt Drives |
| 1-CA-CDR-2760-3 | Tilt Drives |

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| 1-CA-CDR-2760-4 | Tilt Drives |
| 1-CA-CDR-2701-1 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2701-2 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2701-3 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2701-4 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2702-1 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2702-2 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2702-3 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2702-4 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2705-1 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2705-2 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2705-3 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2705-4 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2706-1 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2706-2 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2706-3 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2706-4 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2703-1 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2703-2 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2703-3 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2703-4 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2707-1 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2707-2 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2707-3 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2707-4 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2731-1 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2731-2 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2731-3 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2731-4 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2732-1 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2732-2 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2732-3 | Secondary Air Damper Control Drives |
| 1-CA-CDR-2732-4 | Secondary Air Damper Control Drives |
| 1-CA-FY-2701-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2702-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2703-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2705-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2706-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2707-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2709-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2710-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2711-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2713-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2714-1 | Secondary Air Damper Control Drives |

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| 1-CA-FY-2715-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2717-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2718-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2719-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2721-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2722-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2723-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2725-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2726-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2727-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2728-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2729-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2730-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2731-1 | Secondary Air Damper Control Drives |
| 1-CA-FY-2732-1 | Secondary Air Damper Control Drives |
| 1-MS-ABV-2001-1/1-MS-BV-2001-1 | Electromatic Relief Valves |
| 1-MS-ABV-2001-1/1-MS-BV-2001-1 | Electromatic Relief Valves |
| 1-MS-ABV-2002-1/1-MS-BV-2002-1 | Electromatic Relief Valves |
| 1-MS-ABV-2002-1/1-MS-BV-2002-1 | Electromatic Relief Valves |
| 1-MS-ABV-2001-2/1-MS-BV-2001-1 | Electromatic Relief Valves |
| 1-MS-ABV-2001-2/1-MS-BV-2001-1 | Electromatic Relief Valves |
| 1-MS-ABV-2002-2/1-MS-BV-2002-1 | Electromatic Relief Valves |
| 1-MS-ABV-2002-2/1-MS-BV-2002-1 | Electromatic Relief Valves |
| 1-FG-AE-2301-1 | Oxygen Monitoring System |
| 1-FG-AE-2301-1 | Oxygen Monitoring System |
| 1-FG-AE-2305-1 | Oxygen Monitoring System |
| 1-FG-AE-2305-1 | Oxygen Monitoring System |
| 1-FG-AE-2302-2 | Oxygen Monitoring System |
| 1-FG-AE-2301-2 | Oxygen Monitoring System |
| 1-FG-AE-2302-1 | Oxygen Monitoring System |
| 1-FG-AE-2301-2 | Oxygen Monitoring System |

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| 1-FG-AE-2302-1 | Oxygen Monitoring System |
| 1-FG-AE-2302-2 | Oxygen Monitoring System |
| 1-FG-AE-2306-1 | Oxygen Monitoring System |
| 1-FG-AE-2306-1 | Oxygen Monitoring System |
| USE WITH 1-FG-AE-2301-1 | Oxygen Monitoring System |
| USE WITH 1-FG-AE-2301-2 | Oxygen Monitoring System |
| USE WITH 1-FG-AE-2302-1 | Oxygen Monitoring System |
| USE WITH 1-FG-AE-2302-2 | Oxygen Monitoring System |
| 1-FG-XMH-2301-1A | Oxygen Monitoring System |
| 1-FG-XMH-2301-2A | Oxygen Monitoring System |
| 1-FG-XMH-2302-1A | Oxygen Monitoring System |
| 1-FG-XMH-2302-2A | Oxygen Monitoring System |
| 1-FG-XMH-2301-1B | Oxygen Monitoring System |
| 1-FG-XMH-2301-2B | Oxygen Monitoring System |
| 1-FG-XMH-2302-1B | Oxygen Monitoring System |
| 1-FG-XMH-2302-2B | Oxygen Monitoring System |
| 1-FG-CPL-2301-1 | Oxygen Monitoring System |
| 1-FG-CPL-2301-2 | Oxygen Monitoring System |
| 1-FG-CPL-2302-1 | Oxygen Monitoring System |
| 1-FG-CPL-2302-2 | Oxygen Monitoring System |
| 1-FG-AT-2301-1 | Oxygen Monitoring System |
| 1-FG-AT-2301-2 | Oxygen Monitoring System |
| 1-FG-AT-2302-1 | Oxygen Monitoring System |
| 1-FG-AT-2302-2 | Oxygen Monitoring System |
| N/A | Oxygen Monitoring System |
| N/A | Oxygen Monitoring System |
| USE WITH 1-FG-AE-2305-1 | Oxygen Monitoring System |
| USE WITH 1-FG-AE-2306-1 | Oxygen Monitoring System |
| 1-FG-XMH-2305-1A | Oxygen Monitoring System |
| 1-FG-XMH-2306-1A | Oxygen Monitoring System |
| 1-FG-XMH-2305-1B | Oxygen Monitoring System |

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| 1-FG-XMH-2306-1B | Oxygen Monitoring System |
| 1-FG-AT-2305-1 | Oxygen Monitoring System |
| 1-FG-AT-2306-1 | Oxygen Monitoring System |
| 1-FG-CPL-2305-1 | Oxygen Monitoring System |
| 1-FG-CPL-2306-1 | Oxygen Monitoring System |
| 1-SG-UV-2773-1 | Valves |
| 1-SG-UV-2057-1 | Valves |
| 1-SG-MBV-2773-1 | Valves |
| 1-SG-MBV-2775-1 | Valves |
| 1-SG-MBV-2062-1 | Valves |
| 1-FW-UV-2056-2 | Valves |
| 1-SG-MBV-2774-1 | Valves |
| 1-SG-BV-2061-1 | Valves |
| 1-FW-MBV-2750-1 | Valves |
| 982-90066-FB | ORIFICE PLATES -COAL PIPE |
| 982-90066-FA | ORIFICE PLATES -COAL PIPE |
| 982-90066-BV | ORIFICE PLATES -COAL PIPE |
| 982-90066-BW | ORIFICE PLATES -COAL PIPE |
| 982-90066-BU | ORIFICE PLATES -COAL PIPE |
| 982-90066-BT | ORIFICE PLATES -COAL PIPE |
| 982-90066-BS | ORIFICE PLATES -COAL PIPE |
| 982-90066-BR | ORIFICE PLATES -COAL PIPE |
| 982-90066-BP | ORIFICE PLATES -COAL PIPE |
| 982-90066-BL | ORIFICE PLATES -COAL PIPE |
| 982-90066-BB | ORIFICE PLATES -COAL PIPE |
| 982-90066-AJ | ORIFICE PLATES -COAL PIPE |
| 1-SG-HCU-2003 | Startup Control Valves |
| CB - 3 | Ceramic-Lined Piping, Vents |
| CB - 4 | Ceramic-Lined Piping, Vents |
| CB - 3 | Ceramic-Lined Piping, Vents |
| CB - 4 | Ceramic-Lined Piping, Vents |
| CB - 3 | Ceramic-Lined Piping, Vents |
| CB - 4 | Ceramic-Lined Piping, Vents |
| CB - 3 | Ceramic-Lined Piping, Vents |
| CB - 4 | Ceramic-Lined Piping, Vents |
| CB - 3 | Ceramic-Lined Piping, Vents |
| CB - 4 | Ceramic-Lined Piping, Vents |
| CB - 3 | Ceramic-Lined Piping, Vents |

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| CB - 6 | Ceramic-Lined Piping, Vents |
| CB - 3 | Ceramic-Lined Piping, Vents |
| CB - 6 | Ceramic-Lined Piping, Vents |
| CB - 3 | Ceramic-Lined Piping, Vents |
| CB - 6 | Ceramic-Lined Piping, Vents |
| CB - 3 | Ceramic-Lined Piping, Vents |
| CB - 6 | Ceramic-Lined Piping, Vents |
| CB - 3 | Ceramic-Lined Piping, Vents |
| CB - 6 | Ceramic-Lined Piping, Vents |
| CB - 3 | Ceramic-Lined Piping, Vents |
| CB - 6 | Ceramic-Lined Piping, Vents |
| CB - 3 | Ceramic-Lined Piping, Vents |
| CB -7 | Ceramic-Lined Piping, Vents |
| CB - 8 | Ceramic-Lined Piping, Vents |
| CB - 16 | Ceramic-Lined Piping, Vents |
| CB - 16 | Ceramic-Lined Piping, Vents |
| CB - 16 | Ceramic-Lined Piping, Vents |
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| CB - 16 | Ceramic-Lined Piping, Vents |
| CB - 16 | Ceramic-Lined Piping, Vents |
| CB - 16 | Ceramic-Lined Piping, Vents |
| CB - 9 | Ceramic-Lined Piping, Vents |
| CB - 10 | Ceramic-Lined Piping, Vents |
| CB - 11 | Ceramic-Lined Piping, Vents |
| CB - 12 | Ceramic-Lined Piping, Vents |
| CB - 13 | Ceramic-Lined Piping, Vents |
| CB - 14 | Ceramic-Lined Piping, Vents |
| CB - 15 | Ceramic-Lined Piping, Vents |
| Ref. Supplier P/N | Elevator |
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| 1-CA-HST-2003A-1; 1-CA-HST-2003A-2 | Maintenance Hoists |
| 1-CA-HST-2003B-1; 1-CA-HST-2003B-2 | Maintenance Hoists |
| 1-FG-HST-2301-3; 1-FG-HST-2301-4A/4B | Maintenance Hoists |
| 1-FG-HST-2301-7; 1-FG-HST-2301-8A/8B | Maintenance Hoists |
| 1-FG-HST-2301-1; 1-FG-HST-2301-2 | Maintenance Hoists |
| 1-FG-HST-2301-5; 1-FG-HST-2301-6 | Maintenance Hoists |
| 1-SG-HST-2001-1 | Maintenance Hoists |
| 1-SG-HST-2002-1 | Maintenance Hoists |
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| 1.600.046.271 | GE Manufacturing |
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| 1.600.046.271 | GE Manufacturing |

| Order Item Description | Alt Part | Vendor | Drawing |
|---|---|---|---|
| BFPT 1A | BFPT | Thermodym | 1625 |
| STARTING CABINETS FOR BFPT 1A/1B | BFPT | Thermodym | 1486 |
| STARTING CABINETS FOR BFPT 1A/1B | BFPT | Thermodym | 1486 |
| STARTING CABINETS FOR BFPT 1A/1B | BFPT | Thermodym | 1486 |
| STARTING CABINETS FOR BFPT 1A/1B | BFPT | Thermodym | 1486 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
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| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |

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| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
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| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
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| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
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| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
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| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
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| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
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| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
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| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| DISMOUNTED PIPE FOR BFPT 1A | BFPT | Thermodym | 1676 |
| Boiler Feedwater Booster Pump 1A | N/A | | |
| Boiler Feedwater Booster Pump 1B | N/A | | |
| Startup Boiler Feedwater Pump Motor | 5MOT00154 | | |
| Boiler Feedwater Pump 1A | N/A | | |
| Hexagonal Head Bolt 1-3/4" 5UNCX140 (Pedestal Sole Plate) | 501950271 | | |

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|---|---|---|---|
| Washer 46D (Pedestal Sole Plate) | 500140260 | | |
| Washer Spring B45 (Pedestal Sole Plate) | 560130220 | | |
| Screwed Taper Pin NA 12X4" (Pedestal Sole Plate) | 501320292 | | |
| Hexagonal Nut 7/8" 9UNC | 502090040 | | |
| Coupling Pump Side | N/A | | |
| Pre-Heating Hole | N/A | | |
| Inner Support (Rotor Dismantling) | 417001560 | | |
| Stud 5/8"11UNC - 3/4"10UNC. (Rotor Dismantling) | 420254710 | | |
| Hexagonal Nut 3/4" 10 UNC. Rotor Dismantling - Suction Head Dismantling | 502090117 | | |
| Washer 21D Rotor Dismantling | 500140090 | | |
| Pipe 3-1/2" SCH. 40. Rotor Dismantling | 818129203 | | |
| Inner Disassembly Tool | 423201020 | | |
| Self Lock Nut Inner Coupling Side - Rotor Dismantling | 420003140 | | |
| Self Lock Nut Inner Support - Rotor Dismantling | 420003130 | | |
| Inner Support Suction Side - Rotor Dismantling | 417001570 | | |
| Plate (Discharge Head Disassembly) | 422292250 | | |
| Threaded Stud 1" 8UNC 3A X 250 - Discharge Head Disassembly | 503300764 | | |
| Hexagonal Nut 1"- 8UNC. | 502090010 | | |
| Plate (Removing Balancing Drum) 200D X 25 PT. | 422293920 | | |
| Stud (Balancing Drum Disassembly) 1/2" 13UNC-. | 420254720 | | |
| Hexagonal Nut 1/2"-13UNC. (Balancing Drum Disassembly) | 502090070 | | |
| Blind Flange Suction Side 254X184X50PT. (Chem Cleaning Tool) | 422251240 | | |
| O-Ring 135,89D.X5,33D (Chem Cleaning Tool) | 501013104 | | |
| CANCAMO 1/2" 13UNC-2A (Chem Cleaning Tool) | 500280221 | | |
| Blind Flange Discharge Side 330DX310DX55 PT (Chem Cleaning Tool) | 422251230 | | |
| O-Ring 227,97D. X 5,33 (Chem Cleaning Tool) | 501012804 | | |
| O-Ring 227,97D. X 5,33 (Chem Cleaning Tool) | 503291270 | | |
| Spirometallic Gasket 254D.X231,6. (Spare Suction Head - Balancing Sleeve) | 503291280 | | |
| Spirometallic Gasket 362D.X325,4. (Spare Last Diffuser - Discharge Head) | 503291290 | | |
| Gaskets Spacer (Compensator) 325,4DX362DX1,6. (Spare Last Diffuser - Discharge Head) | 422070871 | | |
| O-Ring 88,27D. X 5,33 Material: E0962-90 DE | 50101251B | | |
| Shim 19,05DX5,33 PT | 422152231 | | |
| Shim 135,7DX71,4DX3,17 PT KTB/Casing | 422152550 | | |
| Shim 135.9D.X 77D.X 2.3PT Bearing Cover | 503400480 | | |
| Shim 135.9D.X 77D.X 0.4PT Bearing Cover | 503400490 | | |
| Shim 135.9D.X 77D.X 0.25PT Bearing Cover | 503400500 | | |
| Shim 135.9D.X 77D.X 0.125PT Bearing Cover | 503400510 | | |
| Shim 57D.X 46.4D.X 2PT Collar-Shaft | 503400520 | | |
| Shim 57D.X 46.4D.X 0.8PT Collar-Shaft | 503400530 | | |
| Shim 57D.X 46.4D.X 0.4PT Collar-Shaft | 503400540 | | |
| Shim 57D.X 46.4D.X 0.25PT Collar-Shaft | 503400550 | | |
| Boiler Feedwater Pump Spare Inner Assembly | N/A | | |

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|---|---|---|---|
| Boiler Feedwater Pump 1B | N/A | | |
| Hexagonal Head Bolt 1-3/4" 5UNCX140 (Pedestal Sole Plate) | 501950271 | | |
| Washer 46D (Pedestal Sole Plate) | 500140260 | | |
| Washer Spring B45 (Pedestal Sole Plate) | 560130220 | | |
| Screwed Taper Pin NA 12X4" (Pedestal Sole Plate) | 501320292 | | |
| Hexagonal Nut 7/8" 9UNC | 502090040 | | |
| Hexagonal Head Lock Screw 1-1/2" 12UNF-2AX115 Pump Levelling | 420191080 | | |
| Pump Side Coupling | N/A | | |
| O'RING GASKET 557,61D. X 5,33 (BEARING HOUSING SUPPORT) | 50101235B | | |
| O'RING GASKET 171,04D. X 3,53 (LABYRINTH SLEEVE) | 501011094 | | |
| O'RING GASKET 142,24D. X 6,99 (SHAFT SLEEVE) | 50101015B | | |
| O'RING GASKET 202,57DX 6,99D (STUFFING BOX BUSHING) | 50101360B | | |
| O'RING GASKET 342,27D. X 6,99 (STUFFING BOX) | 50101358B | | |
| WOUND GASKET 387.4D.X362D.X4,5 ESP (STUFFING BOX.-BARREL/DISCHARGE HEAD) | 503291110 | | |
| WOUND GASKET 189D.X212.7D.X4.5PT. MATERIAL (STUFFING BOX-BUSHING) | 503290900 | | |
| WOUND GASKET 561.9DX533.4DX4,5PT (SUCTION RING-BARREL) | 503291140 | | |
| WOUND GASKET 673DX641.4DX4,5PT. MATERIAL:A (CHANNEL RING-BARREL) | 503291150 | | |
| WOUND GASKET 374.7D.X349.3D.X4,5 ESP (BALANCE SLEEVE-DISCHARGE HEAD) | 503291120 | | |
| WOUND GASKET 511.2D.X479.5D.X4,5 ESP (ADJUSTER) | 503291130 | | |
| WOUND GASKET 730.3DX692.2DX4,5PT (BARREL-DISCHARGE HEAD) | 503291160 | | |
| SHIM 673,1DX641,4DX1,6PT (CHANNEL RING-BARREL) | 422155470 | | |
| SHIM 511,2DX479,5DX1,6PT (ADJUSTER) | 422155420 | | |
| SHIM 511,2DX479,5DX0,8ESP (ADJUSTER) | 422155410 | | |
| WASHER (RETAINER) 162DX149.43DX0,8 PT (IMPELLER LOCKING) | 403001080 | | |
| SHIM 168.3D.X145.26D.X3ESP. DWG: 575D299X (BALANCE DRUM) | 422155311 | | |
| SHIM 168.3D.X145.26D.X0.8ESP. DWG: 575D29 (BALANCE DRUM) | 422153741 | | |
| SPRING WASHER "BELLEVILLE" REF B0750-034. | 503390021 | | |
| SHIM 19,05DX8,51PT (SPRING WASHER) | 422153580 | | |
| SHIM (KTB/BEARING HOUSING) | 422154650 | | |
| SHIM 95,3DX76,5DX4,83 PT (THRUST COLLAR/SHAFT) | 422153590 | | |
| SHIM 95,3D.X76,5D.X0,750 ESP (THRUST COLLAR/SHAFT) | 503400401 | | |
| SHIM 95,3D.X76,5D,X0,400 ESP (THRUST COLLAR/SHAFT) | 503400391 | | |
| SHIM 212DX111DX5,5 ESP (KTB/END COVER) | 422152710 | | |
| SHIM. PUMP-PEDESTAL | 422153800 | | |
| Vibration Monitoring System | 2020055 | | |
| Bracket Vibration | 2007019 | | |
| Vibration Monitoring System | 2020055 | | |

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|---|---|---|---|
| Bracket Vibration | 2007019 |  |  |
| Vibration Monitoring System | 2020055 |  |  |
| Bracket Vibration | 2007019 |  |  |
|  | 249A6589P0001 | American Packing & Crating | 1.600.049.861 |
|  | 249A6589P0001 | American Packing & Crating | 1.600.049.863 |
|  | C150 | NIAGARA TRANSFORMER | 118C1150 |
|  | B2K0 | AREVA T&D Italy S.p.A. | 249C1388P0001 |
|  | B2K0 | AREVA T&D Italy S.p.A. | 249CC1388P0001 |
|  | B2K0 | AREVA T&D Italy S.p.A. | 249C1388P0001 |
|  | G2E0 | Environment One Corp | 383A8468G0011 |
|  | G3D0 | Environment One Corp | 383A8469G0001 |
|  | C126 | POST GLOVER RESISTORS INC | GTR425260-23081-1 |
|  | B6H0 | CONSOLIDATED FABRICATORS INC | 112E8986G0001 |
|  | B6H0 | CONSOLIDATED FABRICATORS INC | 3666789P0005 |
|  | B6H0 | CONSOLIDATED FABRICATORS INC | N22P29044 |
|  | B6H0 | CONSOLIDATED FABRICATORS INC | 360A9020P0001 |
|  | B6H0 | CONSOLIDATED FABRICATORS INC | 297A2331P0001 |
|  | B6H0 | CONSOLIDATED FABRICATORS INC | 284A6550P0002 |
|  | SLMS | GE Energy - Americas | 365A5075P0001 |
|  | G2M0 | LECTRODRYER LLC | 229A6900G0001 |
| 8" Check Valve (Tilt) 2500# |  |  |  |
| 12" Check Valve (Tilt) 2500# |  |  |  |
| 10" Gate Valve 2500# |  |  |  |
| 10" Gate Valve 4500# |  |  |  |
| 10" Gate Valve 4500# |  |  |  |
| 12" Gate Valve 4500# |  |  |  |
| 12" Gate Valve 4500# |  |  |  |
| 10" Globe Valve 2500# |  |  |  |
| 3" Check Valve (Tilt) 4500# | N/A |  |  |
| 3" Check Valve (Tilt) 4500# | N/A |  |  |
| 16" Check Valve (Tilt) 4500# | N/A |  |  |
| 16" Check Valve (Tilt) 4500# | N/A |  |  |
| 6" Gate Valve 4500# | N/A |  |  |
| 3" Y-Globe Valve 4500# | N/A |  |  |
| 3" Y-Globe Valve 4500# | N/A |  |  |
| 16" Y-Globe Valve 4500# | N/A |  |  |
| 16" Y-Globe Valve 4500# | N/A |  |  |
| 6" Gate Valve 4500# | N/A |  |  |
| 12", Y-Globe Valve, 3100 # |  |  |  |
| 12", Y-Globe Valve, 3100 # |  |  |  |
| 18", Gate Valve, 2500 # |  |  |  |
|  | HAL0 | American Packing & Crating / GE Energy | 3VDCV088LU001 |
|  | B2P0 | GE SUPPLY - GREENVILLE | 233C1039P0012 |
|  | F1E0 | HEBELER CORPORATION | 386A5972 |
|  | F1E0 | HEBELER CORPORATION | 386A5972 |
|  | F1E0 | HEBELER CORPORATION | 386A5972 |
|  | F1E0 | HEBELER CORPORATION | 386A5972 |

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|---|---|---|---|
|  | F1E0 | HEBELER CORPORATION | 386A5972 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
| Main Turbine Lube Oil Skid | PR01 | OSKAM STEEL FABRICATORS C/O HEBELER CORPORATION | 386A5702 |
|  | PV01 | NEWMANS INC | 365A2500G0001 |
|  | PV01 | NEWMANS INC | 365A2500G0001 |
|  | PV01 | NEWMANS INC | 365A2500G0001 |
|  | PV01 | NEWMANS INC | 365A2500G0001 |
|  | PV01 | NEWMANS INC | 365A2500G0001 |

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|---|---|---|---|
| | PV01 | NEWMANS INC | 365A2500G0001 |
| | P/N 3VMBV010HM001 | American Packing & Crating | 1.600.051.877 |
| | P/N 3VMBV010HM002 | American Packing & Crating | 1.600.051.877 |
| | P/N 3VMBV010NW001 | American Packing & Crating | 1.600.051.877 |
| | P/N 3VMBV010PK001 | American Packing & Crating | 1.600.051.877 |
| | P/N 3VMBV010LU001 | American Packing & Crating | 1.600.051.872 |
| | H530 | Core Tech Industrial Corp | 237A5373P0757 |
| | HMF0 | Core Tech Industrial Corp | 237A5373P0421 |
| | PR90 | BECON INC | 365A3446P0001 |
| | HMB2 | BENTLY NEVADA CORP | NA |
| | HMB2 | BENTLY NEVADA CORP | NA |
| | HMB2 | BENTLY NEVADA CORP | NA |
| | HMB2 | BENTLY NEVADA CORP | NA |
| Mark VI Modkit | 3VBDV040PK001 | GE DRIVES & CONTROLS, INC. | 366A5167P0001 |
| PULVERIZER CO ANALYZER | SYS-PROC | ROSEMOUNT ANALYTICAL, INC. | 0106622A1 |
| PULVERIZER CO ANALYZER | SYS-PROC | ROSEMOUNT ANALYTICAL, INC. | 0106622A1 |
| PULVERIZER CO ANALYZER SS REGULATORS FOR CALIB. GASES | 1A99869H01 | ROSEMOUNT ANALYTICAL, INC. | 0106622P1 |
| PULVERIZER CO ANALYZER | PROBE | ROSEMOUNT ANALYTICAL, INC. | 0106622A2 |
| PULVERIZER CO ANALYZER SS REGULATORS FOR CALIB. GASES | 1A99869H02 | ROSEMOUNT ANALYTICAL, INC. | 0106622P1 |
| PULVERIZER CO ANALYZER | PROBE | ROSEMOUNT ANALYTICAL, INC. | 0106622A2 |
| PULVERIZER CO ANALYZER | PROBE | ROSEMOUNT ANALYTICAL, INC. | 0106622A2 |
| PULVERIZER CO ANALYZER | PROBE | ROSEMOUNT ANALYTICAL, INC. | 0106622A2 |
| PULVERIZER CO ANALYZER | PROBE | ROSEMOUNT ANALYTICAL, INC. | 0106622A2 |
| PULVERIZER CO ANALYZER | PROBE | ROSEMOUNT ANALYTICAL, INC. | 0106622A2 |
| FLAME SCANNER SYSTEM COMMISSIONING SPARES | EPSD0382VL14ALP | ALSTOM POWER INC | 00506-1D9254 |
| FLAME SCANNER SYSTEM COMMISSIONING SPARES | EF-CA-25 | ALSTOM POWER INC | 00506-1D9254 |
| HEA IGNITORS COMMISSIONING SPARES | 903-3303-V1 | ALSTOM POWER INC | N/A |
| HEA IGNITORS COMMISSIONING SPARES | V00-5338 | ALSTOM POWER INC | N/A |
| HEA IGNITORS COMMISSIONING SPARES | 75-HEI-01 | ALSTOM POWER INC | N/A |
| FLAME SCANNER SYSTEM COMMISSIONING SPARES | EPSD-0375 | ALSTOM POWER INC | N/A |
| HEA IGNITORS COMMISSIONING SPARES | CH38016 | ALSTOM POWER INC | N/A |
| FLAME SCANNER SYSTEM COMMISSIONING SPARES | V00-5335 | ALSTOM POWER INC | N/A |
| HEA IGNITORS COMMISSIONING SPARES | EPSD-0305-3-SS | ALSTOM POWER INC | N/A |
| HEA IGNITORS COMMISSIONING SPARES | V00-2715 | ALSTOM POWER INC | N/A |
| HEA IGNITORS COMMISSIONING SPARES | 9033300V1&3301V | ALSTOM POWER INC | N/A |
| HEA IGNITORS COMMISSIONING SPARES | EPSD-0457-95-81 | ALSTOM POWER INC | N/A |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |

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|---|---|---|---|
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | EPSD-0495 | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| FLAME SCANNER JUNCTION BOXES | EPSD-0462 | ALSTOM POWER INC | 00506-1d-9253 |
| HEA IGNITORS (L.H.) | 1-12009-AA | ALSTOM POWER INC | 00506-1E-9250 |
| HEA IGNITORS (R.H.) | 1-12009-BA | ALSTOM POWER INC | 00506-1E-9250 |
| HEA IGNITORS (L.H.) | 1-12009-AA | ALSTOM POWER INC | 00506-1E-9250 |
| HEA IGNITORS (R.H.) | 1-12009-BA | ALSTOM POWER INC | 00506-1E-9250 |
| HEA IGNITORS (L.H.) | 1-12009-AA | ALSTOM POWER INC | 00506-1E-9250 |
| HEA IGNITORS (R.H.) | 1-12009-BA | ALSTOM POWER INC | 00506-1E-9250 |
| HEA IGNITORS (L.H.) | 1-12009-AA | ALSTOM POWER INC | 00506-1E-9250 |
| HEA IGNITORS (R.H.) | 1-12009-BA | ALSTOM POWER INC | 00506-1E-9250 |
| HEA IGNITORS (L.H.) | 1-12009-AA | ALSTOM POWER INC | 00506-1E-9250 |
| HEA IGNITORS (R.H.) | 1-12009-BA | ALSTOM POWER INC | 00506-1E-9250 |
| HEA IGNITORS (L.H.) | 1-12009-AA | ALSTOM POWER INC | 00506-1E-9250 |
| HEA IGNITORS (R.H.) | 1-12009-BA | ALSTOM POWER INC | 00506-1E-9250 |
| FLAME SCANNER SYSTEM CABLE | V00-4030 | ALSTOM POWER INC | 00506-1D9252 |
| FLAME SCANNER SYSTEM CABLE | V00-4030 | ALSTOM POWER INC | 00506-1D9252 |
| FLAME SCANNER SYSTEM CABLE | V00-4030 | ALSTOM POWER INC | 00506-1D9252 |

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| FABRICATED STEEL DOORS | 00506-1E3396-IT-1 | ALSTOM POWER AIR PREHEATER | 00506-1D3313 |
| FABRICATED STEEL DOORS | 00506-1E3396-IT-1 | ALSTOM POWER AIR PREHEATER | Later |
| FABRICATED STEEL DOORS | 00506-1E3396-IT-1 | ALSTOM POWER AIR PREHEATER | 00506-1D3313 |
| FABRICATED STEEL DOORS | 00506-1E3397-IT-1 | ALSTOM POWER AIR PREHEATER | 00506-1D3314 |
| FABRICATED STEEL DOORS | 00506-1E3396-IT-1 | ALSTOM POWER AIR PREHEATER | Later |
| FABRICATED STEEL DOORS | 00506-1E3397-IT-1 | ALSTOM POWER AIR PREHEATER | Later |
| OBSERVATION DOORS -CAST IRON | 982-007-AB | ALSTOM POWER AIR PREHEATER | 00506-1D3317 |
| FABRICATED STEEL DOORS | 00506-1D3411 | ALSTOM POWER AIR PREHEATER | Later |
| FABRICATED STEEL DOORS | 00506-1D3412 | ALSTOM POWER AIR PREHEATER | Later |
| OBSERVATION DOORS -CAST IRON | 982-007-AB | ALSTOM POWER AIR PREHEATER | Later |
| OBSERVATION DOORS -CAST IRON | 982-007-AB | ALSTOM POWER AIR PREHEATER | 00506-1D3318 |
| FABRICATED STEEL DOORS | 00506-1E3397-04 | ALSTOM POWER AIR PREHEATER | Later |
| OBSERVATION DOORS -CAST IRON | 982-007-AB | ALSTOM POWER AIR PREHEATER | Later |
| OBSERVATION DOORS -CAST IRON | 982-007-AB | ALSTOM POWER AIR PREHEATER | 00506-1D3319 |
| WTR COOL ACCESS DOORS -PLATE | 00506-1E3395-IT-1 | ALSTOM POWER AIR PREHEATER | 00506-1D3310 |
| FABRICATED STEEL DOORS | 00506-1E3397-05 | ALSTOM POWER AIR PREHEATER | 00506-1D3314 |
| FABRICATED STEEL DOORS | 00506-1E3397-06 | ALSTOM POWER AIR PREHEATER | 00506-1D3314 |
| FUEL OIL FLOW ELEMENTS | R200S419NCAAEZZ | MICRO MOTION INC. | 55668842-003 |
| FUEL OIL FLOW ELEMENTS | 1700I12ABAEZZZ | MICRO MOTION INC. | 55668842-003 |
| FUEL OIL FLOW ELEMENTS | MINSTALLRE | MICRO MOTION INC. | N/A |
| FUEL OIL FLOW ELEMENTS | M1700INSTALLE | MICRO MOTION INC. | N/A |
| AIR FLOW ELEMENTS | VOLU-probe/1SS | AIR MONITOR CORPORATION | W67606AD |
| AIR FLOW ELEMENTS | VOLU-probe/1SS | AIR MONITOR CORPORATION | W67606AD |
| AIR FLOW ELEMENTS | VOLU-probe/1SS | AIR MONITOR CORPORATION | W67606AD |
| AIR FLOW ELEMENTS | VOLU-probe/1SS | AIR MONITOR CORPORATION | W67606AD |
| AIR FLOW ELEMENTS | VOLU-probe/1SS | AIR MONITOR CORPORATION | W67606AD |
| AIR FLOW ELEMENTS | VOLU-probe/1SS | AIR MONITOR CORPORATION | W67606AD |
| AIR FLOW ELEMENTS | VOLU-probe/1SS | AIR MONITOR CORPORATION | W67606AD |
| AIR FLOW ELEMENTS | VOLU-probe/1SS | AIR MONITOR CORPORATION | W67606AD |
| PROCESS GAGES | | ASHCROFT INC. | 70A2837 |
| CIRC PUMP SYS PRESS GAGE - LP | | ASHCROFT INC. | 70A1955 |
| BOP INSTRUMENTS - PRESSURE INDICATOR | | ASHCROFT INC. | 70A1955 |
| PROCESS GAGES | 96-1379SS-04L-XNHSG | ASHCROFT INC. | 00506-1A8886 |
| PROCESS GAGES | | ASHCROFT INC. | 70A2875 |
| PROCESS GAGES | | ASHCROFT INC. | 70A2227 |
| PROCESS GAGES | | ASHCROFT INC. | 70A1955 |
| PROCESS GAGES | 96-1379SS-04L-XNHSG | ASHCROFT INC. | 00506-1A8886 |
| PROCESS GAGES | | ASHCROFT INC. | 70A1955 |

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| PROCESS GAGES |  | ASHCROFT INC. | 70A2227 |
| PROCESS GAGES |  | ASHCROFT INC. | 70A2875 |
| PROCESS GAGES |  | ASHCROFT INC. | 70A2837 |
| BOP INSTRUMENTS - PRESSURE INDICATOR |  | ASHCROFT INC. | 70A1955 |
| PROCESS GAGES |  | ASHCROFT INC. | 70A2837 |
| BOP INSTRUMENTS - PRESSURE INDICATOR |  | ASHCROFT INC. | 70A1955 |
| PROCESS GAGES | 96-1379SS-04L-XNHSG | ASHCROFT INC. | 00506-1A8886 |
| PROCESS GAGES |  | ASHCROFT INC. | 70A1955 |
| PROCESS GAGES |  | ASHCROFT INC. | 70A2875 |
| BOP INSTRUMENTS - PRESSURE INDICATOR |  | ASHCROFT INC. | 70A1955 |
| PROCESS GAGES | 96-1379SS-04L-XNHSG | ASHCROFT INC. | 00506-1A8886 |
| PROCESS GAGES |  | ASHCROFT INC. | 70A1955 |
| PROCESS GAGES |  | ASHCROFT INC. | 70A2875 |
| BOP INSTRUMENTS - PRESSURE INDICATOR |  | ASHCROFT INC. | 70A1955 |
| PROCESS GAGES |  | ASHCROFT INC. | 70A2875 |
| PROCESS GAGES |  | ASHCROFT INC. | 70A1955 |
| PROCESS GAGES |  | ASHCROFT INC. | 70A2875 |
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| BOP INSTRUMENTS - PRESSURE INDICATOR |  | ASHCROFT INC. | 70A1955 |
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| PROCESS GAGES |  | ASHCROFT INC. | 70A1955 |
| PROCESS GAGES |  | ASHCROFT INC. | 70A1955 |
| PROCESS GAGES |  | ASHCROFT INC. | 70A1955 |
| CIRC PUMP THERMOMETER - LP |  | ASHCROFT INC. | 70A1054, 1837, 1842, |
| BOP INSTRUMENTS - TEMPERATURE INDICATOR |  | ASHCROFT INC. | 70A1054, 1837, 1842, |
| BOP INSTRUMENTS - TEMPERATURE INDICATOR |  | ASHCROFT INC. | 70A1054, 1837, 1842, |
| BOP INSTRUMENTS - TEMPERATURE INDICATOR |  | ASHCROFT INC. | 70A1054, 1837, 1842, |
| BOP INSTRUMENTS - TEMPERATURE INDICATOR |  | ASHCROFT INC. | 70A1054, 1837, 1842, |
| BOP INSTRUMENTS - TEMPERATURE INDICATOR |  | ASHCROFT INC. | 70A1054, 1837, 1842, |
| BOP INSTRUMENTS - TEMPERATURE INDICATOR |  | ASHCROFT INC. | 70A1054, 1837, 1842, |

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| BOP INSTRUMENTS - TEMPERATURE INDICATOR | | ASHCROFT INC. | 70A1054, 1837, 1842, |
| BOP INSTRUMENTS - TEMPERATURE INDICATOR | | ASHCROFT INC. | 70A1054, 1837, 1842, |
| BOP INSTRUMENTS - TEMPERATURE INDICATOR | | ASHCROFT INC. | 70A1054, 1837, 1842, |
| BOP INSTRUMENTS - TEMPERATURE INDICATOR | | ASHCROFT INC. | 70A1054, 1837, 1842, |
| BOP INSTRUMENTS - TEMPERATURE INDICATOR | | ASHCROFT INC. | 70A1054, 1837, 1842, |
| BOP INSTRUMENTS - TEMPERATURE INDICATOR | | ASHCROFT INC. | 70A1054, 1837, 1842, |
| AUX STM SYS-MNL GATE VLVS-4" | XX060509 | COLLINS PIPE & SUPPLY CO, INC | 77440000-011 |
| AUX STM SYS-MNL GATE VLVS-4" | XX060509 | COLLINS PIPE & SUPPLY CO, INC | 77440000-011 |
| AUX STM SYS-MNL GATE VLVS-4" | XX060509 | COLLINS PIPE & SUPPLY CO, INC | 77440000-011 |
| AUX STM SYS-MNL GATE VLVS-4" | XX060509 | COLLINS PIPE & SUPPLY CO, INC | 77440000-011 |
| AUX STM SYS-MNL GATE VLVS-4" | XX060509 | COLLINS PIPE & SUPPLY CO, INC | 77440000-011 |
| AUX STM SYS-MNL GATE VLVS-4" | XX060509 | COLLINS PIPE & SUPPLY CO, INC | 77440000-011 |
| AUX STM SYS-MNL GATE VLVS-10" | XX060511 | COLLINS PIPE & SUPPLY CO, INC | 77440000-012 |
| AUX STM SYS-MNL GATE VLVS-10" | XX060511 | COLLINS PIPE & SUPPLY CO, INC | 77440000-012 |
| AUX STM SYS-MNL GATE VLVS-10" | XX060511 | COLLINS PIPE & SUPPLY CO, INC | 77440000-012 |
| AUX STM SYS-MNL GATE VLVS-10" | XX060511 | COLLINS PIPE & SUPPLY CO, INC | 77440000-012 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15284 | O'BRIEN CORPORATION | A1T-15284 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15296 | O'BRIEN CORPORATION | A1T-15296 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15296 | O'BRIEN CORPORATION | A1T-15296 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15296 | O'BRIEN CORPORATION | A1T-15296 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15296 | O'BRIEN CORPORATION | A1T-15296 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15296 | O'BRIEN CORPORATION | A1T-15296 |

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| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15296 | O'BRIEN CORPORATION | A1T-15296 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15296 | O'BRIEN CORPORATION | A1T-15296 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15323 | O'BRIEN CORPORATION | A1T-15323 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A3T3-15290 | O'BRIEN CORPORATION | A3T3-15290 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A3T3-15290 | O'BRIEN CORPORATION | A3T3-15290 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15291 | O'BRIEN CORPORATION | A2T-15291 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15291 | O'BRIEN CORPORATION | A2T-15291 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15291 | O'BRIEN CORPORATION | A2T-15291 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15291 | O'BRIEN CORPORATION | A2T-15291 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15293 | O'BRIEN CORPORATION | A2T-15293 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15312 | O'BRIEN CORPORATION | A2T-15312 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15313 | O'BRIEN CORPORATION | A2T-15313 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15313 | O'BRIEN CORPORATION | A2T-15313 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15292 | O'BRIEN CORPORATION | A2T-15292 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A3T3-15380 | O'BRIEN CORPORATION | A3T3-15380 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15295 | O'BRIEN CORPORATION | A1T-15295 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15295 | O'BRIEN CORPORATION | A1T-15295 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | OA48-15331 | O'BRIEN CORPORATION | OA48-15331 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15315 | O'BRIEN CORPORATION | A1T-15315 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15315 | O'BRIEN CORPORATION | A1T-15315 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15317 | O'BRIEN CORPORATION | A1T-15317 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15317 | O'BRIEN CORPORATION | A1T-15317 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15285 | O'BRIEN CORPORATION | A2T-15285 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15285 | O'BRIEN CORPORATION | A2T-15285 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15316 | O'BRIEN CORPORATION | A2T-15316 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15316 | O'BRIEN CORPORATION | A2T-15316 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15283 | O'BRIEN CORPORATION | A2T-15283 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15283 | O'BRIEN CORPORATION | A2T-15283 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15316 | O'BRIEN CORPORATION | A2T-15316 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T2-15325 | O'BRIEN CORPORATION | A2T2-15325 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15286 | O'BRIEN CORPORATION | A1T-15286 |

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| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15297 | O'BRIEN CORPORATION | A1T-15297 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15324 | O'BRIEN CORPORATION | A1T-15324 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15287 | O'BRIEN CORPORATION | A1T-15287 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15287 | O'BRIEN CORPORATION | A1T-15287 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15289 | O'BRIEN CORPORATION | A1T-15289 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15289 | O'BRIEN CORPORATION | A1T-15289 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15314 | O'BRIEN CORPORATION | A1T-15314 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15321 | O'BRIEN CORPORATION | A1T-15321 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15321 | O'BRIEN CORPORATION | A1T-15321 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15321 | O'BRIEN CORPORATION | A1T-15321 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1t-15319 | O'BRIEN CORPORATION | A1T-15319 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15319 | O'BRIEN CORPORATION | A1T-15319 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1t-15319 | O'BRIEN CORPORATION | A1T-15319 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15319 | O'BRIEN CORPORATION | A1T-15319 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15319 | O'BRIEN CORPORATION | A1T-15319 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1t-15319 | O'BRIEN CORPORATION | A1T-15319 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1T-15319 | O'BRIEN CORPORATION | A1T-15319 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A1t-15319 | O'BRIEN CORPORATION | A1T-15319 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15316 | O'BRIEN CORPORATION | A2T-15316 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15316 | O'BRIEN CORPORATION | A2T-15316 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15316 | O'BRIEN CORPORATION | A2T-15316 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15318 | O'BRIEN CORPORATION | A2T-15318 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2-15288 | O'BRIEN CORPORATION | A2-15288 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T-15318 | O'BRIEN CORPORATION | A2T-15318 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T2-15320 | O'BRIEN CORPORATION | A2T2-15320 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A2T2-15320 | O'BRIEN CORPORATION | A2T2-15320 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | OA48-15332 | O'BRIEN CORPORATION | OA48-15332 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | OA48-15333 | O'BRIEN CORPORATION | OA48-15333 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | OA48-15334 | O'BRIEN CORPORATION | OA48-15334 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A3T3-15294 | O'BRIEN CORPORATION | A3T3-15294 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A3T3-15294 | O'BRIEN CORPORATION | A3T3-15294 |

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| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A3T3-15294 | O'BRIEN CORPORATION | A3T3-15294 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A3T3-15294 | O'BRIEN CORPORATION | A3T3-15294 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A3T3-15294 | O'BRIEN CORPORATION | A3T3-15294 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | A3T3-15294 | O'BRIEN CORPORATION | A3T3-15294 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | OA48-15331 | O'BRIEN CORPORATION | OA48-15331 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | OA48-15331 | O'BRIEN CORPORATION | OA48-15331 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | OA42-15328 | O'BRIEN CORPORATION | OA42-15328 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | /a2T2-15326 | O'BRIEN CORPORATION | A2T2-15326 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | OA42-15329 | O'BRIEN CORPORATION | OA42-15329 |
| INSTR INSTALLATION MATL INSTRUMENT ENCLOSURES | OA42-15330 | O'BRIEN CORPORATION | OA42-15330 |
| INSTR INSTALLATION MATL | SS-810-1-8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-810-1-8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-810-1-8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-810-7-8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-12-MPW-A-8TSQ | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-45S8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-45S8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-45S8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-45S8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-45S8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-45S8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-45S8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-45S8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-45S8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-45S8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-810-1-4 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-810-1-4 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-810-3 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-810-3 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-810-6 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-810-6 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |

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| INSTR INSTALLATION MATL | SS-8-TSW-6 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-400-1-4 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-400-1-8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-8-MPW-A-8TSW | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-810-P | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-810-6-8W | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | S-810-2-8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-16-MPW-A-8TSW | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-8-PSW-6 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-810-C | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-MD-8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | S-63TSW8P | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | S-63TSW8P | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | S-63TSW8P | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6DBS8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6DBS8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6DBS8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6DBS8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6HNBSW8T-G | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6HNBSW8T-G | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6HNBSW8T-G | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6HNBSW8T-G | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6HNBSW8T-G | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6HNBSW8T-G | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6HNBSW8T-G | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6HNBSW8T-G | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6HNBSW8T-G | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6HNBSW8T-G | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6DBS8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6HNBSW8T-G | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6HNBSW8T-G | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |

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| INSTR INSTALLATION MATL | B-45S8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-810-3 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-810-3 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-8-TSW-3 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-8-TSW-7-8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | B-8-RA-4 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| INSTR INSTALLATION MATL | SS-6DBS8 | CONNECTICUT VALVE & FITTING CO. | 00506-1D8625 |
| PULV DISCHARGE VALVE | GP-14200 | ALSTOM POWER INC | C24141 |
| PULV DISCHARGE VALVE | GP-14200 | ALSTOM POWER INC | C24141 |
| PULV DISCHARGE VALVE | GP-14200 | ALSTOM POWER INC | C24141 |
| PULV DISCHARGE VALVE | GP-14200 | ALSTOM POWER INC | C24141 |
| PULV DISCHARGE VALVE | GP-14200 | ALSTOM POWER INC | C24141 |
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| PULV DISCHARGE VALVE | GP-14200 | ALSTOM POWER INC | C24141 |
| PULV DISCHARGE VALVE | GP-14200 | ALSTOM POWER INC | C24141 |
| PULV DISCHARGE VALVE | GP-14200 | ALSTOM POWER INC | C24141 |
| PULV DISCHARGE VALVE | GP-14200 | ALSTOM POWER INC | C24141 |
| PULV MILL SIDE ASSY | 101-3260 | ALSTOM POWER INC | |
| PULV MILL SIDE ASSY | 101-3260 | ALSTOM POWER INC | |
| PULV MILL SIDE ASSY | 101-3260 | ALSTOM POWER INC | |
| PULV MILL SIDE ASSY | 101-3260 | ALSTOM POWER INC | |
| PULV MILL SIDE ASSY | 101-3260 | ALSTOM POWER INC | |
| PULV MILL SIDE ASSY | 101-3260 | ALSTOM POWER INC | |
| PULV BOWL HUB/VANE WHEEL ASSY | 101-3266 | ALSTOM POWER INC | |
| PULV LUBE SYSTEM | GP-14220 | ALSTOM POWER INC | 3943-01 |
| PULV BOWL HUB/VANE WHEEL ASSY | 101-3266 | ALSTOM POWER INC | |
| PULV BOWL HUB/VANE WHEEL ASSY | 101-3266 | ALSTOM POWER INC | |
| PULV BOWL HUB/VANE WHEEL ASSY | 101-3266 | ALSTOM POWER INC | |
| PULV SEPARATOR BODY ASSY | 101-3287 | ALSTOM POWER INC | |
| PULV DRIVE AIR SEAL & SCRAPER | GP-12623 | ALSTOM POWER INC | |
| PULV DRIVE AIR SEAL & SCRAPER | 101-3293 | ALSTOM POWER INC | |
| PULV DRIVE AIR SEAL & SCRAPER | 101-3294 | ALSTOM POWER INC | |
| PULV DRIVE AIR SEAL & SCRAPER | GP-11599 | ALSTOM POWER INC | |
| PULV DRIVE AIR SEAL & SCRAPER | GP-12628 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12743 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12743 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12743 | ALSTOM POWER INC | |

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| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12743 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12743 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12743 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-1116 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12787 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12788 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12789 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12790 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12931 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-13443 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-170-F | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-170-M | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-2540 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MD8-00053-FM | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MD8-00053-GM | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MD8-00065-AG | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MP-10601 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MP-10602 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MP-10605 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MP-6615 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MP-9238 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MP-9239 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MP-9302 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-1257 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-1290 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-1452 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2221 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2231 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2237 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2238 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2239 | ALSTOM POWER INC | |

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| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2240 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2241 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2242 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2245 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2246 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2275 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2276 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 11-2006 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 12-2005 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 12-6003 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 13-3003 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 13-3006 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 13-3041 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 15-1002 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 15-2000 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 15-2002 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 15-2016 | ALSTOM POWER INC | |
| DIFFERENTIAL PRESSURE CONTROLLER | MP-8973 | ALSTOM POWER INC | |
| DIFFERENTIAL PRESSURE CONTROLLER | V00-4125 | ALSTOM POWER INC | |
| PULV ASP PIPING/FTTG/T-WELL | GP-3381 | ALSTOM POWER INC | |
| PULV ASP PIPING/FTTG/T-WELL | GP-516 | ALSTOM POWER INC | |
| PULV ASP PIPING/FTTG/T-WELL | GP-761 | ALSTOM POWER INC | |
| PULV ASP PIPING/FTTG/T-WELL | MD8-00124-DA | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-1116 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12787 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12788 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12789 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12790 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-12931 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-13443 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-170-F | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-170-M | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | GP-2540 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MD8-00053-FM | ALSTOM POWER INC | |

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| PULVERIZER VALVE DISCHARGE ACCESSORIES | MD8-00053-GM | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MD8-00065-AG | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MP-10601 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MP-10602 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MP-6615 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MP-9238 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | MP-9239 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-1257 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-1290 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2221 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2231 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2237 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2238 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2239 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2240 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2241 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2242 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2245 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2246 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2275 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | V00-2276 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 11-2006 | ALSTOM POWER INC | |
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| PULVERIZER VALVE DISCHARGE ACCESSORIES | 12-6003 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 13-3003 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 13-3006 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 13-3041 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 15-1002 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 15-2000 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 15-2002 | ALSTOM POWER INC | |
| PULVERIZER VALVE DISCHARGE ACCESSORIES | 15-2016 | ALSTOM POWER INC | |

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| DIFFERENTIAL PRESSURE CONTROLLER | MP-8973 | ALSTOM POWER INC | |
| DIFFERENTIAL PRESSURE CONTROLLER | V00-4125 | ALSTOM POWER INC | |
| PULV ASP PIPING/FTTG/T-WELL | GP-3381 | ALSTOM POWER INC | |
| PULV ASP PIPING/FTTG/T-WELL | GP-516 | ALSTOM POWER INC | |
| PULV ASP PIPING/FTTG/T-WELL | GP-761 | ALSTOM POWER INC | |
| PULV ASP PIPING/FTTG/T-WELL | MD8-00124-DA | ALSTOM POWER INC | |
| PULV SEPARATOR TOP ASSY | 101-3297 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | -4827 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | -807 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | GP-11514 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | GP-11515 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | GP-11587 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | GP-12626 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | GP-4123-F | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | GP-4331-E | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | GP-8290 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | GP-9420 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | MD8-00022-AE | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | MD8-00028-PT | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | MD8-00029-GV | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | MD8-00053-MK | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | MD8-00058-AA | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | MD8-00058-AY | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | MD8-00058-CN | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | MD8-00058-EA | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | MD8-00067-AJ | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | MD8-00092-KG | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | R00-9302 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | R00-9522 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | V00-1246 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | V00-2129 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | V00-2293 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | V00-2294 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | V00-2295 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | V00-2296 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | V00-2297 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | V00-2298 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | V00-2299 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | V00-2300 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | V00-2301 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | V00-2302 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 11-1009 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 11-2000 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 11-2006 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 11-2007 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 11-2008 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 11-2106 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 11-4006 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3038 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3040 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3041 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3071 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3073 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3107 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3108 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3109 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3112 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3117 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3126 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3130 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3132 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-3164 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-4035 | ALSTOM POWER INC | |

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| PULVERIZER COMMISSIONING SPARES | 13-4069 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-4070 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-4071 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-4162 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-4165 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-4175 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 13-4197 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 15-1004 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 15-1006 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 15-2002 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 15-2006 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 4801 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 4809 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 4836 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 4876 | ALSTOM POWER INC | |
| PULVERIZER COMMISSIONING SPARES | 9-2502 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 101-3091 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 101-2849 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | GP-1009-D | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | GP-4136 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | MD8-00000-AE | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | MD8-00053-KE | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | V00-1942 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 11-3004 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 15-1017 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 9-2495 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | GP-11601 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | GP-12160 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | GP-3621-AM | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | GP-7439-F | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | R00-9447 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | V00-2187 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | V00-2188 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | V00-2189 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | V00-2190 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | V00-2191 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | V00-2204 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | -1587 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | GP-369 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | GP-3788 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | GP-447-F | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | GP-8929 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 13-3073 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 13-3074 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 15-1013 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | MD8-00058-AA | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | MD8-00058-DA | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | MD8-00067-AJ | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | MD8-00067-BN | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | -4871 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | GP-4490-T | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | V00-1245 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 101-2396 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 110-1517 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 13-3110 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 13-3158 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 15-1006 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | GP-5272 | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | MD8-00028-PT | ALSTOM POWER INC | |
| PULV MAINTENANCE TOOLS | 13-3164 | ALSTOM POWER INC | |
| PULV REMOVABLE GEAR BOX ASSY | GP-14191 | ALSTOM POWER INC | 00D005943 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |

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| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV REMOVABLE GEAR BOX ASSY | GP-14191 | ALSTOM POWER INC | 00D005943 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV REMOVABLE GEAR BOX ASSY | GP-14191 | ALSTOM POWER INC | 00D005943 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV REMOVABLE GEAR BOX ASSY | GP-14191 | ALSTOM POWER INC | 00D005943 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV REMOVABLE GEAR BOX ASSY | GP-14191 | ALSTOM POWER INC | 00D005943 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV REMOVABLE GEAR BOX ASSY | GP-14191 | ALSTOM POWER INC | 00D005943 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV MTR COUPLING -DRIVE HALF | V00-4140 | ALSTOM POWER INC | 00C013828 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |

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| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-2758-E | ALSTOM POWER INC | D-101-02758 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL ASSY | 101-3268 | ALSTOM POWER INC | D-PLVD-1270 |
| PULV JOURNAL OPNG COVER ASSY | 4827 | ALSTOM POWER INC | D-GP-8580 |
| PULV DYNAMIC CLASSIFIER ASSY | 807 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-10194-A | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-11026 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-11049-A | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-11585 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-11587 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-11588 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-11699 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-12635 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-4123-F | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-6619 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-8642 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-9915 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | MP-2653 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | MP-8911-AD | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | R00-9099 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | R00-9456 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | R00-9457 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | V00-1863 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | V00-2254 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | V00-2466 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | V00-464 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 11-1009 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 38657 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 39022 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 39753 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 75546 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 771333 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 402468 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 13-3003 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 13-3038 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 13-3040 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 13-3108 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 13-3109 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 13-3126 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 13-4035 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 13-4165 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 13-4175 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 15-1000 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 15-2002 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 15-2006 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 4126 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 4809 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 4836 | ALSTOM POWER INC | D-PLVD-1280 |

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| PULV DYNAMIC CLASSIFIER ASSY | GP-9936-E | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-2854-Q | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-7490-R | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 101-3273 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 101-3273 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 101-3273 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-12639 | ALSTOM POWER INC | E-PLVE-0370 |
| PULV DYNAMIC CLASSIFIER ASSY | 101-3273 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 101-3273 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | 101-3273 | ALSTOM POWER INC | D-PLVD-1280 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-12639 | ALSTOM POWER INC | E-PLVE-0370 |
| PULV JOURNAL OPNG COVER ASSY | GP-8580 | ALSTOM POWER INC | D-GP-8580 |
| PULV JOURNAL OPNG COVER ASSY | GP-8580 | ALSTOM POWER INC | D-GP-8580 |
| PULV JOURNAL OPNG COVER ASSY | GP-8580 | ALSTOM POWER INC | D-GP-8580 |
| PULV JOURNAL OPNG COVER ASSY | GP-8580 | ALSTOM POWER INC | D-GP-8580 |
| PULV JOURNAL OPNG COVER ASSY | GP-8580 | ALSTOM POWER INC | D-GP-8580 |
| PULV DYNAMIC CLASSIFIER ASSY | GP-11590 | ALSTOM POWER INC | E-PLVE-0370 |
| PULV CLASSIFIER MOTOR & DRIVE | V00-2128 | ALSTOM POWER INC | 1012-1-182 |
| PULV CLASSIFIER MOTOR & DRIVE | V00-2128 | ALSTOM POWER INC | 1012-1-182 |
| PULV CLASSIFIER MOTOR & DRIVE | V00-2128 | ALSTOM POWER INC | 1012-1-182 |
| PULV CLASSIFIER MOTOR & DRIVE | V00-2128 | ALSTOM POWER INC | 1012-1-182 |
| PULV CLASSIFIER MOTOR & DRIVE | V00-2128 | ALSTOM POWER INC | 1012-1-182 |
| PULV CLASSIFIER MOTOR & DRIVE | V00-2128 | ALSTOM POWER INC | 1012-1-182 |
| PULV CLASSIFIER MOTOR & DRIVE | GP-12625 | ALSTOM POWER INC | BAFE-64788094 |
| PULV CLASSIFIER MOTOR & DRIVE | GP-12625 | ALSTOM POWER INC | BAFE-64788094 |
| PULV CLASSIFIER MOTOR & DRIVE | GP-12625 | ALSTOM POWER INC | BAFE-64788094 |
| PULV CLASSIFIER MOTOR & DRIVE | GP-12625 | ALSTOM POWER INC | BAFE-64788094 |
| PULV CLASSIFIER MOTOR & DRIVE | GP-12625 | ALSTOM POWER INC | BAFE-64788094 |
| PULV CLASSIFIER MOTOR & DRIVE | GP-12625 | ALSTOM POWER INC | BAFE-64788094 |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | P10-2152 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 10031425-A1-3 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 10081371-32 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 1325-13 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 1392-03 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 1394 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 1420-10 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 2476-09 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 25412-05 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 25413-16 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 25428-03 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 25970-12 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 27343-03 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 27368-07 | ALSTOM POWER INC | 10081371-A2-1-SL |

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| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 27383-05 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 2845-20 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 29445 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 30457-01 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 31500-14 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 5217-04 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 5317-01 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 5668-04 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 6500114040332-1 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 68847 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 69783 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 69784 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 75834 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 76069 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 76515 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 87418 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 97204-T1 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 97204-T2 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 97204-T4 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 97204-T5 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 97822 | ALSTOM POWER INC | 10081371-A2-1-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 25411-20 | ALSTOM POWER INC | 10081375-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 25413-12 | ALSTOM POWER INC | 10081375-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 27343-03 | ALSTOM POWER INC | 10081375-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 30574-20 | ALSTOM POWER INC | 10081375-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 69604-T3 | ALSTOM POWER INC | 10081375-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 69604-T4 | ALSTOM POWER INC | 10081375-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 85506 | ALSTOM POWER INC | 10081375-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 85507 | ALSTOM POWER INC | 10081375-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 85508 | ALSTOM POWER INC | 10081375-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 85514-T18 | ALSTOM POWER INC | 10081375-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 86565 | ALSTOM POWER INC | 10081375-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | P10-2451 | ALSTOM POWER INC | 10081377-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | P10-4071 | ALSTOM POWER INC | 10081377-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 10081382 | ALSTOM POWER INC | 10081377-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 27323-04 | ALSTOM POWER INC | 10081377-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 27324-04 | ALSTOM POWER INC | 10081377-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 27325-02 | ALSTOM POWER INC | 10081377-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 29326-04 | ALSTOM POWER INC | 10081377-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 29331-05 | ALSTOM POWER INC | 10081377-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 29369-07 | ALSTOM POWER INC | 10081377-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 29369-11 | ALSTOM POWER INC | 10081377-SL |

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| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 29369-21 | ALSTOM POWER INC | 10081377-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 6500104040384-2 | ALSTOM POWER INC | 10081377-SL |
| LJUNG AHTR - HOT SPOT DETECT SYSTEM | 6500104040425-2 | ALSTOM POWER INC | 10081377-SL |
| AHTR WASH HOPPER SLIDE GATE | SS022396 | COLLINS PIPE & SUPPLY CO, INC |  |
| AHTR WASH HOPPER SLIDE GATE | SS022396 | COLLINS PIPE & SUPPLY CO, INC |  |
| AHTR WASH HOPPER SLIDE GATE | SS022396 | COLLINS PIPE & SUPPLY CO, INC |  |
| AHTR WASH HOPPER SLIDE GATE | SS022396 | COLLINS PIPE & SUPPLY CO, INC |  |
| AHTR WASH HOPPER SLIDE GATE | XX050225 | COLLINS PIPE & SUPPLY CO, INC |  |
| AHTR WASH HOPPER SLIDE GATE | XX050226 | COLLINS PIPE & SUPPLY CO, INC |  |
| AHTR WASH HOPPER SLIDE GATE | RZSG72180 | COLLINS PIPE & SUPPLY CO, INC |  |
| AHTR WASH HOPPER SLIDE GATE COMMISSIONING SPARES | XX050217 | COLLINS PIPE & SUPPLY CO, INC |  |
| PRIMARY AIR FAN | N/A | HOWDEN BUFFALO INC. | 200837.01.010.02 |
| PRIMARY AIR FAN | N/A | HOWDEN BUFFALO INC. | 200837.01.010.02 |
| PRIMARY AIR FAN | N/A | HOWDEN BUFFALO INC. | 200837.01.010.02 |
| PRIMARY AIR FAN | N/A | HOWDEN BUFFALO INC. | 200837.01.010.02 |
| PRIMARY AIR FAN | N/A | HOWDEN BUFFALO INC. | 200837.01.010.02 |
| PRIMARY AIR FAN | N/A | HOWDEN BUFFALO INC. | 200837.01.010.02 |
| PRIMARY AIR FAN | N/A | HOWDEN BUFFALO INC. | 200837.01.010.02 |
| PRIMARY AIR FAN | N/A | HOWDEN BUFFALO INC. | 200837.01.010.10sht1 |
| PRIMARY AIR FAN | N/A | HOWDEN BUFFALO INC. | 200837.01.010.10sht1 |
| GRATING -TIER 1 SEQUENCE 11, 12 & 13 | 764-G15-15 | IKG INDUSTRIES | 00506-1E2022 |
| GRATING -TIER 1 SEQUENCE 14 & 15 | 764-G21-6 | IKG INDUSTRIES | 00506-1E2021 |
| WWP Construction Spare Tubes | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP Construction Spare Tubes | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP Construction Spare Tubes | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP Construction Spare Tubes | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP & RH Cust Spare Tubing | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP & RH Cust Spare Tubing | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP & RH Cust Spare Tubing | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP & RH Cust Spare Tubing | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP & RH Cust Spare Tubing | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP & RH Cust Spare Tubing | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP & RH Cust Spare Tubing | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP & RH Cust Spare Tubing | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP & RH Cust Spare Tubing | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP & RH Cust Spare Tubing | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |

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| WWP & RH Cust Spare Tubing | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| WWP & RH Cust Spare Tubing | K3895044512 | ALSTOM POWER S.R.O.ALSTOM GROUP BRNO | NA |
| SCANNER AIR FAN | 110154 | ROBINSON INDUSTRIES, INC. | DA-224SBE-187 Rev.1 |
| SCANNER AIR FAN | 110155 | ROBINSON INDUSTRIES, INC. | DA-224SBE-188 Rev.1 |
| SCANNER AIR FAN | 110154 | ROBINSON INDUSTRIES, INC. | |
| SCANNER AIR FAN | 110155 | ROBINSON INDUSTRIES, INC. | |
| MILL SEAL AIR FAN | 110156 | ROBINSON INDUSTRIES, INC. | DA-36PEBI-130 Rev.1 |
| MILL SEAL AIR FAN | 110157 | ROBINSON INDUSTRIES, INC. | DA-36PEBI-131 Rev.1 |
| MILL SEAL AIR FAN | 110156 | ROBINSON INDUSTRIES, INC. | |
| MILL SEAL AIR FAN | 110157 | ROBINSON INDUSTRIES, INC. | |
| VERT ROOF ENCL COOLING FAN | 110153 | ROBINSON INDUSTRIES, INC. | DA-33BI1242-116 R.4 |
| SCR - SONIC HORNS | 8230036 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 8230036 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 8230036 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 8230036 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 8230196 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 8220848 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 8230109 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 8220077 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 8220050 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 8220066 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 8220228 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 8220758 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 8220052 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS | 1001607 | BHA Group, Inc. | 100-1608 |
| SCR - SONIC HORNS COMMISSIONING SPARES | 0B100187 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS COMMISSIONING SPARES | 8220758 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS COMMISSIONING SPARES | 8220848 | BHA Group, Inc. | 824-2994-003 |
| SCR - SONIC HORNS COMMISSIONING SPARES | 8230252 | BHA Group, Inc. | 824-2994-003 |
| S/O GATE-SCR BYPASS D INLET | N/A | FLEXTOR INC. | CF-1609-06 |
| S/O GATE-SCR BYPASS D INLET | N/A | FLEXTOR INC. | CF-1609-06 |
| S/O GATE-SCR BYPASS D INLET | CF-1609-06 | FLEXTOR INC. | CF-1609-06 |
| S/O DAMPER -GAS DUCT TO SCR | CF-1609-O4B | FLEXTOR INC. | CF-1609-04B |
| S/O DAMPER -GAS DUCT TO SCR | CF-1609-O4B | FLEXTOR INC. | CF-1609-04B |
| S/O DAMPER -GAS DUCT TO SCR | CF-1609-O4B | FLEXTOR INC. | CF-1609-04B |
| S/O DAMPER -GAS DUCT TO SCR | CF-1609-04A CRT | FLEXTOR INC. | CF-1609-04-01 |
| S/O DAMPER -GAS DUCT TO SCR | CF-1609-04B | FLEXTOR INC. | CF-1609-04B |
| S/O DAMPER -GAS DUCT TO SCR | CF-1609-04A | FLEXTOR INC. | CF-1609-04-01 |
| S/O DAMPER -GAS DUCT TO SCR | CF-1609-04A | FLEXTOR INC. | CF-1609-04-01 |
| S/O DAMPER -GAS DUCT TO SCR | CF-1609-04B | FLEXTOR INC. | CF-1609-04B |
| S/O DAMPER -GAS DUCT TO SCR | CF-1609-04A | FLEXTOR INC. | CF-1609-04-01 |
| GATE -TEMPER AD TO MILLS | CF-1609-03 | FLEXTOR INC. | CF-1609-03 |
| CTRL DAMPER -CAD TO MILLS | CF-1609-02 | FLEXTOR INC. | CF-1609-02 |
| GATE -TEMPER AD TO MILLS | CF-1609-03 | FLEXTOR INC. | CF-1609-03 |

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| GATE -TEMPER AD TO MILLS | CF-1609-03 | FLEXTOR INC. | CF-1609-03 |
| CTRL DAMPER -CAD TO MILLS | CF-1609-02 | FLEXTOR INC. | CF-1609-02 |
| GATE -TEMPER AD TO MILLS | CF-1609-03 | FLEXTOR INC. | CF-1609-03 |
| GATE -TEMPER AD TO MILLS | CF-1609-03 | FLEXTOR INC. | CF-1609-03 |
| CTRL DAMPER -CAD TO MILLS | CF-1609-02 | FLEXTOR INC. | CF-1609-02 |
| GATE -TEMPER AD TO MILLS | CF-1609-03 | FLEXTOR INC. | CF-1609-03 |
| S/O DAMPER -GAS DUCT >AIR HTR | CF-1609-05 CRT | FLEXTOR INC. | CF-1609-05 |
| CTRL DAMPER -CAD TO MILLS | CF-1609-02 | FLEXTOR INC. | CF-1609-02 |
| S/O DAMPER -GAS DUCT >AIR HTR | CF-1609-05 CRT | FLEXTOR INC. | CF-1609-05 |
| S/O DAMPER -GAS DUCT >AIR HTR | CF-1609-05 | FLEXTOR INC. | CF-1609-05 |
| CTRL DAMPER -CAD TO MILLS | CF-1609-02 | FLEXTOR INC. | CF-1609-02 |
| S/O DAMPER -GAS DUCT >AIR HTR | CF-1609-05 | FLEXTOR INC. | CF-1609-05 |
| S/O DAMPER -GAS DUCT >AIR HTR | CF-1609-05 | FLEXTOR INC. | CF-1609-05 |
| S/O DAMPER -GAS DUCT >AIR HTR | CF-1609-05 | FLEXTOR INC. | CF-1609-05 |
| PULVERIZER MOTOR | W9550BAG01 | TECO-WESTINGHOUSE | C9550BA |
| PULVERIZER MOTOR | W9550BAG01 | TECO-WESTINGHOUSE | C9550BA |
| PULVERIZER MOTOR | W9550BAG01 | TECO-WESTINGHOUSE | C9550BA |
| PULVERIZER MOTOR | 6D44950H41 | TECO-WESTINGHOUSE | C9550BA |
| PULVERIZER MOTOR | W9550BAG01 | TECO-WESTINGHOUSE | C9550BA |
| PULVERIZER MOTOR | W9550BAG01 | TECO-WESTINGHOUSE | C9550BA |
| PULVERIZER MOTOR | W9550BAG01 | TECO-WESTINGHOUSE | C9550BA |
| PA FAN MOTOR | W9550AAG01 | TECO-WESTINGHOUSE | C9550AA |
| PA FAN MOTOR | W9550AAG01 | TECO-WESTINGHOUSE | C9550AA |
| TT WINDBOX | 00506-1E4100 | ALSTOM POWER AIR PREHEATER | 00506-1E4100 |
| TT WINDBOX | 00506-1E4100 | ALSTOM POWER AIR PREHEATER | 00506-1E4100 |
| TT WINDBOX | 00506-1E4100 | ALSTOM POWER AIR PREHEATER | 00506-1E4100 |
| COAL FEEDER &ALLIED EQUIPMENT | AD37677-3 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AD37677-3 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AD37677-3 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AD37677-3 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AB14862-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AD37677-3 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AD37677-3 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC37799-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC37799-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC37799-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC37799-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC37799-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC37799-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AFP 249 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AFP 249 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AFP 249 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AFP 249 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AFP 249 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AFP 249 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AFP 236 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AFP 236 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AFP 236 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AFP 236 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AFP 236 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AFP 236 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC22526-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC22526-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC22526-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC22526-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC22526-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC22526-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC22527-1 | STOCK EQUIPMENT CO. | 00506-D41830 |

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| COAL FEEDER &ALLIED EQUIPMENT | AC22527-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC22527-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC22527-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC22527-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC22527-1 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC17431-172 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC17431-172 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC17431-172 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC17431-172 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC17431-172 | STOCK EQUIPMENT CO. | 00506-D41830 |
| COAL FEEDER &ALLIED EQUIPMENT | AC17431-172 | STOCK EQUIPMENT CO. | 00506-D41830 |
| FEEDER INLET VALVE (COAL FEEDER & ALLIED EQUIP) | AC22655-2 | STOCK EQUIPMENT CO. | 00506-D41830 |
| FEEDER INLET VALVE (COAL FEEDER & ALLIED EQUIP) | AC22655-2 | STOCK EQUIPMENT CO. | 00506-D41830 |
| FEEDER INLET VALVE (COAL FEEDER & ALLIED EQUIP) | AC22655-2 | STOCK EQUIPMENT CO. | 00506-D41830 |
| FEEDER INLET VALVE (COAL FEEDER & ALLIED EQUIP) | AC22655-2 | STOCK EQUIPMENT CO. | 00506-D41830 |
| FEEDER INLET VALVE (COAL FEEDER & ALLIED EQUIP) | AC22655-2 | STOCK EQUIPMENT CO. | 00506-D41830 |
| FEEDER INLET VALVE (COAL FEEDER & ALLIED EQUIP) | AC22655-2 | STOCK EQUIPMENT CO. | 00506-D41830 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| S/O GATE @BURNER (COAL/AIR) | AC24693-1 | STOCK EQUIPMENT CO. | C24458 |
| SOOT BLOWER FULL RETRACTS | CE-2420701-2-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER HALF RETRACTS | CE-2420701-4-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |

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| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER WALL BLOWERS | CE-2420701-1-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER FULL RETRACTS | CE-2420701-2-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER FULL RETRACTS | CE-2420701-2-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER FULL RETRACTS | CE-2420701-2-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER FULL RETRACTS | CE-2420701-2-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER FULL RETRACTS | CE-2420701-2-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER FULL RETRACTS | CE-2420701-2-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER FULL RETRACTS | CE-2420701-2-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER FULL RETRACTS | CE-2420701-2-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER FULL RETRACTS | CE-2420701-2-A | CLYDE BERGEMANN INC | |
| SOOT BLOWER COMMISSIONING SPARES | BE-76 | CLYDE BERGEMANN INC | US-2420701-2-IA |
| SOOT BLOWER COMMISSIONING SPARES | cba007090 | CLYDE BERGEMANN INC | 00506-1E8529 |
| SOOT BLOWER COMMISSIONING SPARES | cba001755 | CLYDE BERGEMANN INC | VS-2420701-1 |
| SOOT BLOWER COMMISSIONING SPARES | be-2450-203 | CLYDE BERGEMANN INC | VS-2420701-1 |
| SOOT BLOWER COMMISSIONING SPARES | be-1417 | CLYDE BERGEMANN INC | VS-2420701-1 |
| SOOT BLOWER COMMISSIONING SPARES | be-1017 | CLYDE BERGEMANN INC | US-2420701-2-IA |
| SOOT BLOWER COMMISSIONING SPARES | cert-c | CLYDE BERGEMANN INC | N/A |
| SOOT BLOWER COMMISSIONING SPARES | be-203 | CLYDE BERGEMANN INC | US-2420701-2-IA |
| SOOT BLOWER COMMISSIONING SPARES | beg-102 | CLYDE BERGEMANN INC | |
| SOOT BLOWER COMMISSIONING SPARES | BE-203 | CLYDE BERGEMANN INC | Pee Dee Spare list |
| SB VALVES, FTTGS & SUPPTS | CE-2420701-MOV | CLYDE BERGEMANN INC | AH-MOV-DS |
| SB VALVES, FTTGS & SUPPTS | CE-2420701-PT2 | CLYDE BERGEMANN INC | SB-PT-DS |
| SB VALVES, FTTGS & SUPPTS | CE-2420701-FT1 | CLYDE BERGEMANN INC | AH-FT-DS |
| SB VALVES, FTTGS & SUPPTS | CE-2420701-FE1 | CLYDE BERGEMANN INC | AH-FT-DS |
| SB VALVES, FTTGS & SUPPTS | CE-2420701-FT2 | CLYDE BERGEMANN INC | SB-FT-DS |

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| SB VALVES, FTTGS & SUPPTS | CE-2420701-FE2 | CLYDE BERGEMANN INC | SB-FT-DS |
| TEMPERATURE PROBE (OPTICAL) | CE-2420701-3 | CLYDE BERGEMANN INC | CE-2420701-3 |
| SB VALVES, FTTGS & SUPPTS | CE-2420701-CKV | CLYDE BERGEMANN INC | AH-CV-DS |
| SB VALVES, FTTGS & SUPPTS | CE-2420701-GL | CLYDE BERGEMANN INC | AH-GL-DS |
| SB VALVES, FTTGS & SUPPTS | CBA001901 | CLYDE BERGEMANN INC | N/A |
| OIL GUN LOCAL CONTROL STATION COMMISSIONING SPARES | J3955-1 | T & T AUTOMATION | 00506-1B8565 |
| BFLY S/O VLV @FAN -MILL SAS | SWM-445-84-GH | ADVANCED VALVE DESIGN INC | C-72821 |
| BFLY S/O VLV @FAN -MILL SAS | SWM-445-84-GH | ADVANCED VALVE DESIGN INC | C-72821 |
| BFLY S/O VLV @MILL-SAS,W/OPER | AWM-115-22-PR | ADVANCED VALVE DESIGN INC | C-72822 |
| BFLY S/O VLV @MILL-SAS,W/OPER | AWM-115-22-PR | ADVANCED VALVE DESIGN INC | C-72822 |
| BFLY S/O VLV @MILL-SAS,W/OPER | AWM-115-22-PR | ADVANCED VALVE DESIGN INC | C-72822 |
| BFLY S/O VLV @MILL-SAS,W/OPER | AWM-115-22-PR | ADVANCED VALVE DESIGN INC | C-72822 |
| BFLY S/O VLV @MILL-SAS,W/OPER | AWM-115-22-PR | ADVANCED VALVE DESIGN INC | C-72822 |
| BFLY S/O VLV @MILL-SAS,W/OPER | AWM-115-22-PR | ADVANCED VALVE DESIGN INC | C-72822 |
| BFLY S/O VLV @FEEDER MILL SAS | AWM-115-22-IM | ADVANCED VALVE DESIGN INC | C-72820 |
| BFLY S/O VLV @FEEDER MILL SAS | AWM-115-22-IM | ADVANCED VALVE DESIGN INC | C-72820 |
| BFLY S/O VLV @FEEDER MILL SAS | AWM-115-22-IM | ADVANCED VALVE DESIGN INC | C-72820 |
| BFLY S/O VLV @FEEDER MILL SAS | AWM-115-22-IM | ADVANCED VALVE DESIGN INC | C-72820 |
| BFLY S/O VLV @FEEDER MILL SAS | AWM-115-22-IM | ADVANCED VALVE DESIGN INC | C-72820 |
| BFLY S/O VLV @FEEDER MILL SAS | AWM-115-22-IM | ADVANCED VALVE DESIGN INC | C-72820 |
| PULV AIR FLTR BLEED-OFF VLV | AWM-115-22PR | ADVANCED VALVE DESIGN INC | C-72823 |
| PULV AIR FLTR BLEED-OFF VLV | CONTROLLER | ADVANCED VALVE DESIGN INC | C-72823 |
| PULV AIR FLTR BLEED-OFF VLV | HEX BOLTS | ADVANCED VALVE DESIGN INC | C-72823 |
| PULV AIR FLTR BLEED-OFF VLV | FLATWASHERS | ADVANCED VALVE DESIGN INC | C-72823 |
| PULV AIR FLTR BLEED-OFF VLV | LOCKWASHERS | ADVANCED VALVE DESIGN INC | C-72823 |
| PULV AIR FLTR BLEED-OFF VLV | HEX NUTS | ADVANCED VALVE DESIGN INC | C-72823 |
| PULV AIR FLTR BLEED-OFF VLV | GASKET/NEOPRENE | ADVANCED VALVE DESIGN INC | C-72823 |
| PULV AIR FLTR BLEED-OFF VLV | MATING FLANGES | ADVANCED VALVE DESIGN INC | C-72823 |
| TT WINDBOX NOZZLE TILT DRIVE | 11-439 | HAROLD BECK & SONS INC | X117567-01O |
| TT WINDBOX NOZZLE TILT DRIVE | 11-439 | HAROLD BECK & SONS INC | X117567-01O |
| TT WINDBOX NOZZLE TILT DRIVE | 11-439 | HAROLD BECK & SONS INC | X117567-02O |
| TT WINDBOX NOZZLE TILT DRIVE | 11-439 | HAROLD BECK & SONS INC | X117567-02O |
| OVERFIRE AIR TILT DRIVE | 11-409 | HAROLD BECK & SONS INC | X117567-03O |
| OVERFIRE AIR TILT DRIVE | 11-409 | HAROLD BECK & SONS INC | X117567-03O |
| OVERFIRE AIR TILT DRIVE | 11-409 | HAROLD BECK & SONS INC | X117567-04O |
| OVERFIRE AIR TILT DRIVE | 11-409 | HAROLD BECK & SONS INC | X117567-04O |
| OVERFIRE AIR TILT DRIVE | 11-409 | HAROLD BECK & SONS INC | X117567-04O |
| OVERFIRE AIR TILT DRIVE | 11-409 | HAROLD BECK & SONS INC | X117567-04O |
| OVERFIRE AIR TILT DRIVE | 11-409 | HAROLD BECK & SONS INC | X117567-04O |

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| OVERFIRE AIR TILT DRIVE | 11-409 | HAROLD BECK & SONS INC | X117567-04O |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P-LP4 | LINDCO | LM2550-760P-LP4 |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P-LP4 | LINDCO | LM2550-760P-LP4 |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P-LP4 | LINDCO | LM2550-760P-LP4 |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P-LP4 | LINDCO | LM2550-760P-LP4 |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P-LP4 | LINDCO | LM2550-760P-LP4 |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P-LP4 | LINDCO | LM2550-760P-LP4 |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P-LP4 | LINDCO | LM2550-760P-LP4 |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P-LP4 | LINDCO | LM2550-760P-LP4 |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LM2550-760P | LINDCO | LM2550-760P |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |

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| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| SEC AIR DMPR CTRL DRIVE | LND-I/P-F/R | LINDCO | LND-I/P-F/R |
| POWER CONTROL VALVE SUPERHEAT OUTLET | E09114N7BWRA8P1 | TYCO VALVES AND CONTROLS | 90156 |
| POWER CONTROL STOP VALVE SUPERHEATER OUTLET LEAD | B091-14-ISO-BW2 | TYCO VALVES AND CONTROLS | 90156 |
| POWER CONTROL VALVE SUPERHEAT OUTLET | E09114N7BWRA8P1 | TYCO VALVES AND CONTROLS | 90156 |
| POWER CONTROL STOP VALVE SUPERHEATER OUTLET LEAD | B091-14-ISO-BW2 | TYCO VALVES AND CONTROLS | 90156 |
| POWER CONTROL VALVE SUPERHEAT OUTLET | E09114N7BWRA8P1 | TYCO VALVES AND CONTROLS | 90156 |
| POWER CONTROL STOP VALVE SUPERHEATER OUTLET LEAD | B091-14-ISO-BW2 | TYCO VALVES AND CONTROLS | 90156 |
| POWER CONTROL VALVE SUPERHEAT OUTLET | E09114N7BWRA8P1 | TYCO VALVES AND CONTROLS | 90156 |
| POWER CONTROL STOP VALVE SUPERHEATER OUTLET LEAD | B091-14-ISO-BW2 | TYCO VALVES AND CONTROLS | 90156 |
| OXYGEN ANALYZER (ECON OUTLET) | ZR22G-200-S-C- | YOKOGAWA CORPORATION OF AMERICA | ZR22G200SCETTE/SCT |
| OXYGEN ANALYZER (ECON OUTLET) | ZR22R-200-C*U | YOKOGAWA CORPORATION OF AMERICA | ZR22R-200-C*U |
| OXYGEN ANALYZER (SCR OUTLET) | ZR22G-250-S-C- | YOKOGAWA CORPORATION OF AMERICA | ZR22G250SCETTEA/SCT |
| OXYGEN ANALYZER (SCR OUTLET) | ZR22R-250-C*U | YOKOGAWA CORPORATION OF AMERICA | ZR22R-250-C*U |
| OXYGEN ANALYZER (ECON OUTLET) | ZR22G-200-S-C- | YOKOGAWA CORPORATION OF AMERICA | ZR22G200SCETTE/SCT |
| OXYGEN ANALYZER (ECON OUTLET) | ZR22G-200-S-C- | YOKOGAWA CORPORATION OF AMERICA | ZR22G200SCETTE/SCT |
| OXYGEN ANALYZER (ECON OUTLET) | ZR22G-200-S-C- | YOKOGAWA CORPORATION OF AMERICA | ZR22G200SCETTE/SCT |
| OXYGEN ANALYZER (ECON OUTLET) | ZR22R-200-C*U | YOKOGAWA CORPORATION OF AMERICA | ZR22R-200-C*U |

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| OXYGEN ANALYZER (ECON OUTLET) | ZR22R-200-C*U | YOKOGAWA CORPORATION OF AMERICA | ZR22R-200-C*U |
| OXYGEN ANALYZER (ECON OUTLET) | ZR22R-200-C*U | YOKOGAWA CORPORATION OF AMERICA | ZR22R-200-C*U |
| OXYGEN ANALYZER (SCR OUTLET) | ZR22G-250-S-C- | YOKOGAWA CORPORATION OF AMERICA | ZR22G250SCETTEA/SCT |
| OXYGEN ANALYZER (SCR OUTLET) | ZR22R-250-C*U | YOKOGAWA CORPORATION OF AMERICA | ZR22R-250-C*U |
| OXYGEN ANALYZER (ECON OUTLET) | M1234SE-A | YOKOGAWA CORPORATION OF AMERICA | N/A |
| OXYGEN ANALYZER (ECON OUTLET) | M1234SE-A | YOKOGAWA CORPORATION OF AMERICA | N/A |
| OXYGEN ANALYZER (ECON OUTLET) | M1234SE-A | YOKOGAWA CORPORATION OF AMERICA | N/A |
| OXYGEN ANALYZER (ECON OUTLET) | M1234SE-A | YOKOGAWA CORPORATION OF AMERICA | N/A |
| OXYGEN ANALYZER (ECON OUTLET) | WZ-H-6H020/Z | YOKOGAWA CORPORATION OF AMERICA | GS11M12WZ-01-E |
| OXYGEN ANALYZER (ECON OUTLET) | WZ-H-6H020/Z | YOKOGAWA CORPORATION OF AMERICA | GS11M12WZ-01-E |
| OXYGEN ANALYZER (ECON OUTLET) | WZ-H-6H020/Z | YOKOGAWA CORPORATION OF AMERICA | GS11M12WZ-01-E |
| OXYGEN ANALYZER (ECON OUTLET) | WZ-H-6H020/Z | YOKOGAWA CORPORATION OF AMERICA | GS11M12WZ-01-E |
| OXYGEN ANALYZER (ECON OUTLET) | WZ-H-6S020 | YOKOGAWA CORPORATION OF AMERICA | WZ-H-6S020 |
| OXYGEN ANALYZER (ECON OUTLET) | WZ-H-6S020 | YOKOGAWA CORPORATION OF AMERICA | WZ-H-6S020 |
| OXYGEN ANALYZER (ECON OUTLET) | WZ-H-6S020 | YOKOGAWA CORPORATION OF AMERICA | WZ-H-6S020 |
| OXYGEN ANALYZER (ECON OUTLET) | WZ-H-6S020 | YOKOGAWA CORPORATION OF AMERICA | WZ-H-6S020 |
| OXYGEN ANALYZER (ECON OUTLET) | IAC24/22/EA | YOKOGAWA CORPORATION OF AMERICA | ZR402G,22G,IAC24AUTO |
| OXYGEN ANALYZER (ECON OUTLET) | IAC24/22/EA | YOKOGAWA CORPORATION OF AMERICA | ZR402G,22G,IAC24AUTO |
| OXYGEN ANALYZER (ECON OUTLET) | IAC24/22/EA | YOKOGAWA CORPORATION OF AMERICA | ZR402G,22G,IAC24AUTO |
| OXYGEN ANALYZER (ECON OUTLET) | IAC24/22/EA | YOKOGAWA CORPORATION OF AMERICA | ZR402G,22G,IAC24AUTO |
| OXYGEN ANALYZER (ECON OUTLET) | ZR402G-T-E-E-A/ | YOKOGAWA CORPORATION OF AMERICA | ZR402G,22G,IAC24AUTO |
| OXYGEN ANALYZER (ECON OUTLET) | ZR402G-T-E-E-A/ | YOKOGAWA CORPORATION OF AMERICA | ZR402G,22G,IAC24AUTO |
| OXYGEN ANALYZER (ECON OUTLET) | ZR402G-T-E-E-A/ | YOKOGAWA CORPORATION OF AMERICA | ZR402G,22G,IAC24AUTO |
| OXYGEN ANALYZER (ECON OUTLET) | ZR402G-T-E-E-A/ | YOKOGAWA CORPORATION OF AMERICA | ZR402G,22G,IAC24AUTO |
| OXYGEN ANALYZER (ECON OUTLET) | M1132ZX | YOKOGAWA CORPORATION OF AMERICA | N/A |
| OXYGEN ANALYZER (ECON OUTLET) | M1244CT-01 | YOKOGAWA CORPORATION OF AMERICA | N/A |
| OXYGEN ANALYZER (SCR OUTLET) | M1234SE-A | YOKOGAWA CORPORATION OF AMERICA | N/A |
| OXYGEN ANALYZER (SCR OUTLET) | M1234SE-A | YOKOGAWA CORPORATION OF AMERICA | N/A |
| OXYGEN ANALYZER (SCR OUTLET) | WZ-H-6H020/Z | YOKOGAWA CORPORATION OF AMERICA | GS11M12WZ-01-E |
| OXYGEN ANALYZER (SCR OUTLET) | WZ-H-6H020/Z | YOKOGAWA CORPORATION OF AMERICA | GS11M12WZ-01-E |
| OXYGEN ANALYZER (SCR OUTLET) | WZ-H-6S020 | YOKOGAWA CORPORATION OF AMERICA | WZ-6H-0020-Z |

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| OXYGEN ANALYZER (SCR OUTLET) | WZ-H-6S020 | YOKOGAWA CORPORATION OF AMERICA | WZ-H-6S020-Z |
| OXYGEN ANALYZER (SCR OUTLET) | IAC24/22/EA | YOKOGAWA CORPORATION OF AMERICA | ZR402G,22G,IAC 24AUTO |
| OXYGEN ANALYZER (SCR OUTLET) | IAC24/22/EA | YOKOGAWA CORPORATION OF AMERICA | ZR402G,22G,IAC 24AUTO |
| OXYGEN ANALYZER (SCR OUTLET) | ZR402G-T-E-E-A/ | YOKOGAWA CORPORATION OF AMERICA | ZR402G,22G,IAC 24AUTO |
| OXYGEN ANALYZER (SCR OUTLET) | ZR402G-T-E-E-A/ | YOKOGAWA CORPORATION OF AMERICA | ZR402G,22G,IAC 24AUTO |
| MIXING PIECE INLET RECIRC CHECK VALVE | B4470Y | FLOWSERVE CORPORATION | 08-91037-01 |
| MIXING PIECE FEEDWATER INLET CHECK VALVE | B4470Y | FLOWSERVE CORPORATION | 08-91037-02 |
| CIRCULATION MOTOR OPERATED SHUT-OFF VALVE | B14411BDDMY | FLOWSERVE CORPORATION | 08-91037-03 |
| BWCP DISCHG MOTOR OPER ISOL VLV (INCL MANUAL BY-PASS VLV) | B14411DDGMY | FLOWSERVE CORPORATION | 08-91037-05 |
| WATER RETURN MOTOR OPERATED ISOLATION VALVE | B12511BDDMTY | FLOWSERVE CORPORATION | 08-91037-07 |
| ECON INLET RECIRC CHECK VALVE | B4470Y | FLOWSERVE CORPORATION | 08-91037-08 |
| BWCP SUCTION MOTOR OPER ISOL VLV (INCL MANUAL BY-PASS VLV) | B14411BDDGMY | FLOWSERVE CORPORATION | 08-91037-04 |
| AUX. WATER RETURN MOTOR OPER ISOLATION VALVE | B12511BDDMTY | FLOWSERVE CORPORATION | 08-91037-06 |
| ECON BACK PRESSURE MOTOR OPERATED VALVE | B4414MY | FLOWSERVE CORPORATION | 08-91037-09 |
| ORIFICE PLATES -COAL PIPE | V-36147-001 | CERCO LLC | E-982-0066 |
| ORIFICE PLATES -COAL PIPE | V-36147-002 | CERCO LLC | E-982-0066 |
| ORIFICE PLATES -COAL PIPE | V-36147-003 | CERCO LLC | E-982-0066 |
| ORIFICE PLATES -COAL PIPE | V-36147-004 | CERCO LLC | E-982-0066 |
| ORIFICE PLATES -COAL PIPE | V-36147-005 | CERCO LLC | E-982-0066 |
| ORIFICE PLATES -COAL PIPE | V-36147-012 | CERCO LLC | E-982-0066 |
| ORIFICE PLATES -COAL PIPE | V-36147-006 | CERCO LLC | E-982-0066 |
| ORIFICE PLATES -COAL PIPE | V-36147-007 | CERCO LLC | E-982-0066 |
| ORIFICE PLATES -COAL PIPE | V-36147-008 | CERCO LLC | E-982-0066 |
| ORIFICE PLATES -COAL PIPE | V-36147-009 | CERCO LLC | E-982-0066 |
| ORIFICE PLATES -COAL PIPE | V-36147-010 | CERCO LLC | E-982-0066 |
| ORIFICE PLATES -COAL PIPE | V-36147-013 | CERCO LLC | E-982-0066 |
| HPU w/cabinets and wiring | 90045445 | TYCO VALVES & CONTROLS | 55440301-017 |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |

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| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| CERAMIC LINED MITERED ELBOWS 45-90 DEG - COAL PIPE | | DENSIT A/S | |
| ELEVATOR | FH3103 | KONE CORPORATION | See Manual |
| ELEVATOR | FH3131-1 | KONE CORPORATION | See Manual |
| ELEVATOR | FH3106 | KONE CORPORATION | See Manual |
| ELEVATOR | FH3107 | KONE CORPORATION | See Manual |

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| ELEVATOR | C094AARF | KONE CORPORATION | See Manual |
| ELEVATOR | C094AARF | KONE CORPORATION | See Manual |
| ELEVATOR | C094AARF | KONE CORPORATION | See Manual |
| ELEVATOR | C094AARF | KONE CORPORATION | See Manual |
| ELEVATOR | C094AARF | KONE CORPORATION | See Manual |
| ELEVATOR | C094AARF | KONE CORPORATION | See Manual |
| ELEVATOR | KM786017 | KONE CORPORATION | See Manual |
| ELEVATOR | KM784552 | KONE CORPORATION | See Manual |
| ELEVATOR | KM786029 | KONE CORPORATION | See Manual |
| ELEVATOR | T2SSS0021BX5 | KONE CORPORATION | See Manual |
| ELEVATOR | T2SSS022BX4 | KONE CORPORATION | See Manual |
| ELEVATOR | TFSJA0023BX1 | KONE CORPORATION | See Manual |
| ELEVATOR | T2SSSDPSABX2 | KONE CORPORATION | See Manual |
| ELEVATOR | T2SSS022BX3 | KONE CORPORATION | See Manual |
| ELEVATOR | T2SSSDPSABX6 | KONE CORPORATION | See Manual |
| ELEVATOR | KM815824 | KONE CORPORATION | See Manual |
| ELEVATOR | KM804144H05 | KONE CORPORATION | See Manual |
| ELEVATOR | KM818884G02 | KONE CORPORATION | See Manual |
| ELEVATOR | KM818885G01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM818886G01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM804331G02 | KONE CORPORATION | See Manual |
| ELEVATOR | KM772850G02 | KONE CORPORATION | See Manual |
| ELEVATOR | KM273301 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801076G01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM818847G15 | KONE CORPORATION | See Manual |
| ELEVATOR | KM804135G01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM804139 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |

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| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G090 | KONE CORPORATION | See Manual |
| ELEVATOR | KM818835G09 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G100 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801057G101 | KONE CORPORATION | See Manual |
| ELEVATOR | KM818835G01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM804138G01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM826072H01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM804132G06 | KONE CORPORATION | See Manual |
| ELEVATOR | KM804122G01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM828462G01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM826070G01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM842345G01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM804151H01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM801047G01 | KONE CORPORATION | See Manual |
| ELEVATOR | COP0030 | KONE CORPORATION | See Manual |
| ELEVATOR | KM842347G01 | KONE CORPORATION | See Manual |
| ELEVATOR | KM804137H08 | KONE CORPORATION | See Manual |
| ELEVATOR | USP18600001 | KONE CORPORATION | See Manual |
| ELEVATOR | KM602732G0248 | KONE CORPORATION | See Manual |
| ELEVATOR | US14B10908001 | KONE CORPORATION | See Manual |
| ELEVATOR | KM60570360248 | KONE CORPORATION | See Manual |
| ELEVATOR | KM605390G02 | KONE CORPORATION | See Manual |
| ELEVATOR | CONTASSM0042 | KONE CORPORATION | See Manual |
| ELEVATOR | TXFMR0043 | KONE CORPORATION | See Manual |
| AIR HEATER MAINT HOIST | 531-23-03896 | SHUPPER-BRICKLE EQUIPMENT CO. | 24700-08-03 |
| AIR HEATER MAINT HOIST | 531-23-03897 | SHUPPER-BRICKLE EQUIPMENT CO. | 24700-08-03 |
| SCR CATALYST HOIST - EXTERNAL LIFTING MAINT | 533-20-10515 | SHUPPER-BRICKLE EQUIPMENT CO. | 24700-08-05 |
| SCR CATALYST HOIST - EXTERNAL LIFTING MAINT | 533-20-10516 | SHUPPER-BRICKLE EQUIPMENT CO. | 24700-08-05 |
| SCR CATALYST HOIST - INTERNAL MOD LIFTING MAINT | ELM-2212-4 | SHUPPER-BRICKLE EQUIPMENT CO. | 24700-08-01 |
| SCR CATALYST HOIST - INTERNAL MOD LIFTING MAINT | ELM-2213-4 | SHUPPER-BRICKLE EQUIPMENT CO. | 24700-08-01 |
| BOILER MAINT HOIST | HJY70738 | SHUPPER-BRICKLE EQUIPMENT CO. | 24700-08-09 |
| BOILER MAINT HOIST | HJY70739 | SHUPPER-BRICKLE EQUIPMENT CO. | 24700-08-09 |
| | T764 | GE MANUFACTURING | RTLA-270T764-LPA |
| | T764 | GE MANUFACTURING | UG6-270T764-C |
| | T764 | GE MANUFACTURING | 234A6376P0008 |
| | T764 | GE MANUFACTURING | U7602N300L1312 |
| | T764 | GE MANUFACTURING | 243A7089P0001 |
| | T764 | GE MANUFACTURING | 243A7084P0002 |
| | T764 | GE MANUFACTURING | U7410P1220L2275 |
| | T764 | GE MANUFACTURING | U7050CNPP220 |

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|  | T764 | GE MANUFACTURING | 234A6320P0006 |
|  | T764 | GE MANUFACTURING | BRLA-270T764-LPA |
|  | T764 | GE MANUFACTURING | 139E1015G0001 |
|  | T764 | GE MANUFACTURING | 139E1015G0001 |
|  | T764 | GE MANUFACTURING | 816L5326G0002 |
|  | T764 | GE MANUFACTURING | HLB-270T764-C |
|  | T764 | GE MANUFACTURING | 303A4414G0001 |
|  | T764 | GE MANUFACTURING | U226X000P0001 |
|  | T764 | GE MANUFACTURING | 199A9089G0001 |
|  | T764 | GE MANUFACTURING | U226X000P0001 |
|  | T764 | GE MANUFACTURING | U225X000P0081 |
|  | T764 | GE MANUFACTURING | U252E231U0452 |
|  | T764 | GE MANUFACTURING | U252E231U0390 |
|  | T764 | GE MANUFACTURING | U252E231U0450 |
|  | T764 | GE MANUFACTURING | U252E231U0425 |
|  | T764 | GE MANUFACTURING | U252E231U0381 |
|  | T764 | GE MANUFACTURING | U252E231U0194 |
|  | T764 | GE MANUFACTURING | U252E231U0214 |
|  | T764 | GE MANUFACTURING | U226X000P0002 |
|  | T764 | GE MANUFACTURING | U238X000P0042 |
|  | T764 | GE MANUFACTURING | U208X000P0127 |
|  | T764 | GE MANUFACTURING | U264X000P0003 |
|  | T764 | GE MANUFACTURING | 142A4558P0001 |
|  | T764 | GE MANUFACTURING | U6032AGXP0004 |
|  | T764 | GE MANUFACTURING | H05A-270T764-C |
|  | T764 | GE MANUFACTURING | H08-270T764-C |
|  | T764 | GE MANUFACTURING | 174B3786G0001 |
|  | T764 | GE MANUFACTURING | 155D6486G0003 |
|  | T764 | GE MANUFACTURING | U290X000P0063 |
|  | T764 | GE MANUFACTURING | U6032AFXP0002 |
|  | T764 | GE MANUFACTURING | U264X000P0002 |

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| | T764 | GE MANUFACTURING | 02109J41P0434 |
| | T764 | GE MANUFACTURING | 02109J41P0435 |
| | T764 | GE MANUFACTURING | U236X000P0050 |
| | T764 | GE MANUFACTURING | U236X000P0049 |
| | T764 | GE MANUFACTURING | U225X000P0081 |
| | T764 | GE MANUFACTURING | 233A8020P0001 |
| | T764 | GE MANUFACTURING | U208X000P0125 |
| | T764 | GE MANUFACTURING | U236X000P0085 |
| | T764 | GE MANUFACTURING | U286X000P0033 |
| | T764 | GE MANUFACTURING | N37P15020 |
| | T764 | GE MANUFACTURING | N405P00038 |
| | T764 | GE MANUFACTURING | N405P00041 |
| | T764 | GE MANUFACTURING | N22P21008 |
| | T764 | GE MANUFACTURING | N247P00021 |
| | T764 | GE MANUFACTURING | 01223J53P0002 |
| | T764 | GE MANUFACTURING | U208X000P0002 |
| | T764 | GE MANUFACTURING | 01068J32P0003 |
| | T764 | GE MANUFACTURING | 01058J32P0005 |
| | T764 | GE MANUFACTURING | 01068J32P0007 |
| | T764 | GE MANUFACTURING | U226X000P0044 |
| | T764 | GE MANUFACTURING | 0878A974P0003 |
| | T764 | GE MANUFACTURING | U238X000P0035 |
| | T764 | GE MANUFACTURING | U225X000P0082 |
| | T764 | GE MANUFACTURING | U286X000P0034 |
| | T764 | GE MANUFACTURING | U250X000P0231 |
| | T764 | GE MANUFACTURING | 233A8020P0002 |
| | T764 | GE MANUFACTURING | U208X000P0060 |
| | T764 | GE MANUFACTURING | H26-270T764-C |
| | T764 | GE MANUFACTURING | U252E231U0101 |
| | T764 | GE MANUFACTURING | U6032AGXP0009 |
| | T764 | GE MANUFACTURING | U236X000P0230 |
| | T764 | GE MANUFACTURING | U208X000P0128 |
| | T764 | GE MANUFACTURING | 106A5776P0001 |
| | T764 | GE MANUFACTURING | 243A7486P0009 |

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| | T764 | GE MANUFACTURING | H44-270T764-C |
| | T764 | GE MANUFACTURING | U252E231U0962 |
| | T764 | GE MANUFACTURING | U252E231U0932 |
| | T764 | GE MANUFACTURING | U236X000P0230 |
| | T764 | GE MANUFACTURING | U208X000P0129 |
| | T764 | GE MANUFACTURING | 233A8020P0002 |
| | T764 | GE MANUFACTURING | U225X000P0082 |
| | T764 | GE MANUFACTURING | 243A7486P0013 |
| | T764 | GE MANUFACTURING | 106A5776P0001 |
| | T764 | GE MANUFACTURING | H65-270T764-C |
| | T764 | GE MANUFACTURING | H86-270T764-C |
| | T764 | GE MANUFACTURING | U252E094U2045 |
| | T764 | GE MANUFACTURING | U252E094U1669 |
| | T764 | GE MANUFACTURING | U252E094U1654 |
| | T764 | GE MANUFACTURING | U252E094U1632 |
| | T764 | GE MANUFACTURING | 243A7486P0009 |
| | T764 | GE MANUFACTURING | 106A5776P0002 |
| | T764 | GE MANUFACTURING | U236X000P0230 |
| | T764 | GE MANUFACTURING | U208X000P0128 |
| | T764 | GE MANUFACTURING | 233A8020P0001 |
| | T764 | GE MANUFACTURING | L31-270T764-C |
| | T764 | GE MANUFACTURING | 224C7173G0001 |
| | T764 | GE MANUFACTURING | N22P25016 |
| | T764 | GE MANUFACTURING | N405P00043 |
| | T764 | GE MANUFACTURING | N22P21008 |
| | T764 | GE MANUFACTURING | N405P00041 |
| | T764 | GE MANUFACTURING | U408A204L0075 |
| | T764 | GE MANUFACTURING | 297A8592P0001 |
| | T764 | GE MANUFACTURING | PD40-270T764-C |
| | T764 | GE MANUFACTURING | 0884E240G0001 |
| | T764 | GE MANUFACTURING | 0884E240G0003 |
| | T764 | GE MANUFACTURING | 4545 |
| | T764 | GE MANUFACTURING | U129XTFSP0125 |
| | T764 | GE MANUFACTURING | U129XTFSP0415 |
| | T764 | GE MANUFACTURING | U129XTFSP0009 |

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| | T764 | GE MANUFACTURING | U129XTFSP0817 |
| | T764 | GE MANUFACTURING | U129XTFSP0701 |
| | T764 | GE MANUFACTURING | N918P00006 |
| | T764 | GE MANUFACTURING | N919P00006 |
| | T764 | GE MANUFACTURING | N536P00405 |
| | T764 | GE MANUFACTURING | N402P00005B |
| | T764 | GE MANUFACTURING | N18AP25014B |
| | T764 | GE MANUFACTURING | N405P00043B |
| | T764 | GE MANUFACTURING | U24-270T764-C |
| | T764 | GE MANUFACTURING | 234A6376P0007 |
| | T764 | GE MANUFACTURING | U7602N275L1825 |
| | T764 | GE MANUFACTURING | 243A7088P0012 |
| | T764 | GE MANUFACTURING | U7410P2319L2006 |
| | T764 | GE MANUFACTURING | U7050CNPP0619 |
| | T764 | GE MANUFACTURING | 234A6320P0005 |
| | T764 | GE MANUFACTURING | 104L5617G0002 |
| | T764 | GE MANUFACTURING | 228C7434P0001 |
| | T764 | GE MANUFACTURING | U363P001L1129 |
| | T764 | GE MANUFACTURING | 0383B858P0009 |
| | T764 | GE MANUFACTURING | 264A7174P0001 |
| | T764 | GE MANUFACTURING | 228C7008P0001 |
| | T764 | GE MANUFACTURING | U473X000BS389 |
| | T764 | GE MANUFACTURING | U473X000BS390 |
| | T764 | GE MANUFACTURING | 329B9721P0001 |
| | T764 | GE MANUFACTURING | 0153L577G0002 |
| | T764 | GE MANUFACTURING | N70P02914 |
| | T764 | GE MANUFACTURING | 142A7993P0001 |
| | T764 | GE MANUFACTURING | 142A7993P0002 |
| | T764 | GE MANUFACTURING | 142A7993P0003 |
| | T764 | GE MANUFACTURING | 142A7993P0004 |
| | T764 | GE MANUFACTURING | 0132V996P0001 |
| | T764 | GE MANUFACTURING | N70P02508 |
| | T764 | GE MANUFACTURING | 233A8687P0002 |
| | T764 | GE MANUFACTURING | 233A8687P0003 |
| | T764 | GE MANUFACTURING | 243A6580P0001 |

| | | | |
|---|---|---|---|
| | T764 | GE MANUFACTURING | 0685L196G0002 |
| | T764 | GE MANUFACTURING | N5605P03515G1 |
| | T764 | GE MANUFACTURING | U160X000P0715 |
| | T764 | GE MANUFACTURING | N5605P02515G1 |
| | T764 | GE MANUFACTURING | U160X000P0714 |
| | T764 | GE MANUFACTURING | 0304V633P0001 |
| | T764 | GE MANUFACTURING | U160X000P0755 |
| | T764 | GE MANUFACTURING | U160X000P0762 |
| | T764 | GE MANUFACTURING | VSPL-270T764 |
| | T764 | GE MANUFACTURING | 139E5903G0006 |
| | T764 | GE MANUFACTURING | VSPL-270T764 |
| | T764 | GE MANUFACTURING | 139E5903G0006 |
| | T764 | GE MANUFACTURING | VSPL-270T764 |
| | T764 | GE MANUFACTURING | 139E5959G0004 |
| | T764 | GE MANUFACTURING | 0294A937P0010 |
| | T764 | GE MANUFACTURING | U606P309L0700 |
| | T764 | GE MANUFACTURING | U613X000P0209 |
| | T764 | GE MANUFACTURING | 341A2967P0008 |
| | T764 | GE MANUFACTURING | N5605P0400PG2 |
| | T764 | GE MANUFACTURING | 326B7253P0001 |
| | T764 | GE MANUFACTURING | 118C4116P0001 |
| | T764 | GE MANUFACTURING | U117XPT0P0258 |
| | T764 | GE MANUFACTURING | N5605P01001G1 |
| | T764 | GE MANUFACTURING | U613X000P0204 |
| | T764 | GE MANUFACTURING | U619P204L0250 |
| | T764 | GE MANUFACTURING | U113XFS0P0021 |
| | T764 | GE MANUFACTURING | 323B7088G0004 |
| | T764 | GE MANUFACTURING | 134E5802G0006 |
| | T764 | GE MANUFACTURING | 134E5802G0005 |
| | T764 | GE MANUFACTURING | 112E2807G0001 |
| | T764 | GE MANUFACTURING | 112E3426G0001 |
| | T764 | GE MANUFACTURING | 112E3425G0003 |

| Storage Requirement | Order Quantity | Ship Quantity | Received Quantity | Received Damaged | Units |
|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 |  | 1005 |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 |  | 1005 |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 |  | 1005 |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 |  | 1005 |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 |  | 1005 |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 |  | 1005 |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | 1005 |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 |  | 1005 |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 |  | 1005 |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 |  | 1005 |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | 1005 |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | 1005 |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 |  | 1005 |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 |  | 1005 |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 |  | 1005 |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 |  | 1005 |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | 1005 |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 |  | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | 1005 |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 |  | 1005 |

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|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | 1005 |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | 1005 |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | 1005 |
| C-Weather-Tight Indoor Areas | 48 | 48 | 48 | | 1005 |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | 1005 |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | 1005 |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | 1005 |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | 1005 |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | 1005 |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | 1005 |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | 1005 |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | 1005 |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | 1005 |
| C-Weather-Tight Indoor Areas | 32 | 32 | 32 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | 1005 |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | 1005 |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | 1005 |
| | 1 | 1 | 1 | 1 | EA |
| | 1 | 1 | 1 | 1 | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 12 | 12 | 12 | | EA |

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|---|---|---|---|---|---|
| | 12 | 12 | 12 | | EA |
| | 12 | 12 | 12 | | EA |
| | 4 | 4 | 4 | | EA |
| | 4 | 4 | 4 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 2 | 2 | 2 | | EA |
| | 2 | 2 | 2 | | EA |
| | 2 | 2 | 2 | | EA |
| | 6.29 | 6.29 | 6.29 | | M |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 3 | 3 | 3 | | EA |
| | 3 | 3 | 3 | | EA |
| | 3 | 3 | 3 | | EA |
| | 1 | 1 | 1 | | EA |
| | 2 | 2 | 2 | | EA |
| | 2 | 2 | 2 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 2 | 2 | 2 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 5 | 5 | 5 | | EA |
| | 4 | 4 | 4 | | EA |
| | 1 | 1 | 1 | | EA |
| | 8 | 8 | 8 | | EA |
| | 8 | 8 | 8 | | EA |
| | 2 | 2 | 2 | | EA |
| | 2 | 2 | 2 | | EA |
| | 4 | 4 | 4 | | EA |
| | 4 | 4 | 4 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 2 | 2 | 2 | | EA |
| | 2 | 2 | 2 | | EA |
| | 1 | 1 | 1 | | EA |

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|---|---|---|---|---|---|
| | 1 | 1 | 1 | | EA |
| | 12 | 12 | 12 | | EA |
| | 12 | 12 | 12 | | EA |
| | 12 | 12 | 12 | | EA |
| | 4 | 4 | 4 | | EA |
| | 4 | 4 | 4 | | EA |
| | 4 | 4 | 4 | | EA |
| | 1 | 1 | 1 | | EA |
| | 2 | 2 | 2 | | EA |
| | 3 | 3 | 3 | | EA |
| | 2 | 2 | 2 | | EA |
| | 4 | 4 | 4 | | EA |
| | 4 | 4 | 4 | | EA |
| | 2 | 2 | 2 | | EA |
| | 2 | 2 | 2 | | EA |
| | 1 | 1 | 1 | | EA |
| | 2 | 2 | 2 | | EA |
| | 1 | 1 | 1 | | EA |
| | 6 | 6 | 6 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 5 | 5 | 5 | | EA |
| | 5 | 5 | 5 | | EA |
| | 5 | 5 | 5 | | EA |
| | 1 | 1 | 1 | | EA |
| | 4 | 4 | 4 | | EA |
| | 6 | 6 | 6 | | EA |
| | 6 | 6 | 6 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 5 | 5 | 5 | | EA |
| | 5 | 5 | 5 | | EA |
| | 1 | 1 | 1 | | EA |
| | 4 | 4 | 4 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |

| | | | | | |
|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | 1 |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | 1 |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| | 1 | 1 | 1 | | |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | |
| B-Insulatd Bldg; Humid Ctrl | 5 | 5 | 5 | | |
| B-Insulatd Bldg; Humid Ctrl | 5 | 5 | 5 | | |
| B-Insulatd Bldg; Humid Ctrl | 5 | 5 | 5 | | |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
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| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |

| | | | | | |
|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 40 | 40 | 40 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 32 | 32 | 32 | | |
| C-Weather-Tight Indoor Areas | 64 | 64 | 64 | | |
| C-Weather-Tight Indoor Areas | 64 | 64 | 64 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |

| | | | | | |
|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| | 1 | 1 | 1 | | |
| | 1 | 1 | 1 | | |
| | 1 | 1 | 1 | | |
| | 14 | 14 | 14 | | |
| | 1 | 1 | 1 | | |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 2 | 2 | 2 | | EA |
| A-Insulated Bldg; Humid Ctrl | 2 | 2 | 2 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 2 | 2 | 2 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |

| | | | | | |
|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| A-Insulated Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| A-Insulated Bldg; Humid Ctrl | 2040 | 2040 | 2040 | | FT |

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|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 |  | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 |  | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 |  | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 |  | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | EA |
| C-Weather-Tight Indoor Areas | 60 | 60 | 60 |  | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 |  | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 |  | EA |
| C-Weather-Tight Indoor Areas | 60 | 60 | 60 |  | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 |  | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 |  | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 |  | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 |  | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 |  | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 3 | 3 | 3 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 3 | 3 | 3 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 3 | 3 | 3 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 3 | 3 | 3 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 3 | 3 | 3 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 3 | 3 | 3 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 3 | 3 | 3 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 3 | 3 | 3 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 2 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 |  | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 |  | EA |

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| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |

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| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |

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| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |

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| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |

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|---|---|---|---|---|---|
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 |  | EA |
| C-Weather-Tight Indoor Areas | 100 | 100 | 100 |  | EA |
| C-Weather-Tight Indoor Areas | 45 | 45 | 45 |  | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 |  | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 |  | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 |  | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 |  | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 |  | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 |  | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 |  | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 |  | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 |  | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 |  | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 |  | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 |  | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 |  | EA |
| C-Weather-Tight Indoor Areas | 97 | 97 | 97 |  | EA |
| C-Weather-Tight Indoor Areas | 116 | 116 | 116 |  | EA |
| C-Weather-Tight Indoor Areas | 50 | 50 | 50 |  | EA |
| C-Weather-Tight Indoor Areas | 50 | 50 | 50 |  | EA |
| C-Weather-Tight Indoor Areas | 102 | 102 | 102 |  | EA |
| C-Weather-Tight Indoor Areas | 104 | 104 | 104 |  | EA |

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|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 51 | 51 | 51 | | EA |
| C-Weather-Tight Indoor Areas | 22 | 22 | 22 | | EA |
| C-Weather-Tight Indoor Areas | 30 | 30 | 30 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 15 | 15 | 15 | | EA |
| C-Weather-Tight Indoor Areas | 15 | 15 | 15 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 51 | 51 | 51 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | EA |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | EA |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | EA |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |

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| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 14 | 14 | 14 | | EA |
| C-Weather-Tight Indoor Areas | 88 | 88 | 88 | | EA |
| C-Weather-Tight Indoor Areas | 66 | 66 | 66 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 28 | 28 | 28 | | EA |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 48 | 48 | 48 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 36 | 36 | 36 | | EA |
| C-Weather-Tight Indoor Areas | 48 | 48 | 48 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |

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|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 |  | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 |  | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 |  | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 |  | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 |  | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 |  | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 |  | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 |  | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 |  | EA |
| C-Weather-Tight Indoor Areas | 30 | 30 | 30 |  | EA |
| C-Weather-Tight Indoor Areas | 15 | 15 | 15 |  | EA |
| C-Weather-Tight Indoor Areas | 192 | 192 | 192 |  | EA |
| C-Weather-Tight Indoor Areas | 288 | 288 | 288 |  | EA |
| C-Weather-Tight Indoor Areas | 27 | 27 | 27 |  | EA |
| C-Weather-Tight Indoor Areas | 39 | 39 | 39 |  | EA |
| C-Weather-Tight Indoor Areas | 48 | 48 | 48 |  | EA |
| C-Weather-Tight Indoor Areas | 360 | 360 | 360 |  | FT |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 |  | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 |  | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 |  | EA |
| C-Weather-Tight Indoor Areas | 30 | 30 | 30 |  | FT |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 |  | EA |
| C-Weather-Tight Indoor Areas | 132 | 132 | 132 |  | EA |
| C-Weather-Tight Indoor Areas | 5700 | 5700 | 5700 |  | FT |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 |  | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 |  | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 |  | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 |  | EA |
| C-Weather-Tight Indoor Areas | 36 | 36 | 36 |  | EA |

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| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 27 | 27 | 27 | | EA |
| C-Weather-Tight Indoor Areas | 264 | 264 | 264 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | ST |
| C-Weather-Tight Indoor Areas | 240 | 240 | 240 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 48 | 48 | 48 | | EA |
| C-Weather-Tight Indoor Areas | 30 | 30 | 30 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 27 | 27 | 27 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 0 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 0 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 30 | 30 | 30 | | EA |
| C-Weather-Tight Indoor Areas | 15 | 15 | 15 | | EA |
| C-Weather-Tight Indoor Areas | 192 | 192 | 192 | | EA |

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| C-Weather-Tight Indoor Areas | 288 | 288 | 288 | | EA |
| C-Weather-Tight Indoor Areas | 27 | 27 | 27 | | EA |
| C-Weather-Tight Indoor Areas | 39 | 39 | 39 | | EA |
| C-Weather-Tight Indoor Areas | 48 | 48 | 48 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 132 | 132 | 132 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 36 | 36 | 36 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 27 | 27 | 27 | | EA |
| C-Weather-Tight Indoor Areas | 264 | 264 | 264 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | ST |
| C-Weather-Tight Indoor Areas | 240 | 240 | 240 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 48 | 48 | 48 | | EA |
| C-Weather-Tight Indoor Areas | 30 | 30 | 30 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 27 | 27 | 27 | | EA |

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| C-Weather-Tight Indoor Areas | 6 | 6 | 0 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 0 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 14 | 14 | 14 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 70 | 70 | 70 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 28 | 28 | 28 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 47 | 47 | 47 | | EA |
| C-Weather-Tight Indoor Areas | 14 | 14 | 14 | | EA |
| C-Weather-Tight Indoor Areas | 216 | 216 | 216 | | FT |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | EA |
| C-Weather-Tight Indoor Areas | 15 | 15 | 15 | | EA |
| C-Weather-Tight Indoor Areas | 48 | 48 | 48 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 14 | 14 | 14 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 14 | 14 | 14 | | EA |
| C-Weather-Tight Indoor Areas | 25 | 25 | 25 | | EA |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 19 | 19 | 19 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |

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| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 7 | 7 | 7 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 7 | 7 | 7 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 28 | 28 | 28 | | EA |
| C-Weather-Tight Indoor Areas | 38 | 38 | 38 | | EA |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | EA |
| C-Weather-Tight Indoor Areas | 7 | 7 | 7 | | EA |
| C-Weather-Tight Indoor Areas | 40 | 40 | 40 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 28 | 28 | 28 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
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| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 18 | 18 | 18 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
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| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
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| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
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| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
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| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
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| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
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| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
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| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
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| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
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| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
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| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
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| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
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| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
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| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
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| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 144 | 144 | 144 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 18 | 18 | 18 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 99 | 99 | 99 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 117 | 117 | 117 | | EA |
| C-Weather-Tight Indoor Areas | 30 | 30 | 30 | | EA |
| C-Weather-Tight Indoor Areas | 54 | 54 | 54 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 186 | 186 | 186 | | EA |
| C-Weather-Tight Indoor Areas | 33 | 33 | 33 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 48 | 48 | 48 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 48 | 48 | 48 | | EA |
| C-Weather-Tight Indoor Areas | 36 | 36 | 36 | | EA |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 419 | 419 | 419 | | EA |
| C-Weather-Tight Indoor Areas | 18 | 18 | 18 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 99 | 99 | 99 | | EA |

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| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 8 | 8 | 8 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 6 | 6 | 6 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 8 | 8 | 8 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 8 | 8 | 8 | | EA |

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|---|---|---|---|---|---|
| B-Insulatd Bldg; Humid Ctrl | 16 | 16 | 16 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 6 | 6 | 6 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 3 | 3 | 3 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 3 | 3 | 3 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 3 | 3 | 3 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 13 | 13 | 13 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 5 | 5 | 5 | | EA |

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|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 5 | 5 | 5 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 70 | 70 | 70 | | EA |
| C-Weather-Tight Indoor Areas | 35 | 35 | 35 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 3 | 3 | 3 | | EA |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 0 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |

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|---|---|---|---|---|---|
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| D-Protected Outdoor Area | 1 | 1 | 1 | | LF |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | SK |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | SK |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 24 | 24 | 24 | | EA |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 128 | 128 | 128 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 128 | 128 | 128 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 256 | 256 | 256 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 2 | 2 | 2 | | RL |
| B-Insulatd Bldg; No Humid Ctrl | 216 | 216 | 216 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 216 | 216 | 216 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 432 | 432 | 432 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 48 | 48 | 48 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 48 | 48 | 48 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 48 | 48 | 48 | | EA |

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|---|---|---|---|---|---|
| B-Insulatd Bldg; No Humid Ctrl | 48 | 48 | 48 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 48 | 48 | 48 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 48 | 48 | 48 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 96 | 96 | 96 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 96 | 96 | 96 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 96 | 96 | 96 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 6 | 6 | 6 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 216 | 216 | 216 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 6 | 6 | 6 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 216 | 216 | 216 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 216 | 216 | 216 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 432 | 432 | 432 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |

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|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |

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|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 27 | 27 | 27 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 8 | 8 | 8 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 16 | 16 | 16 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 20 | 20 | 20 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 13 | 13 | 13 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 4 | 4 | 4 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 3 | 3 | 3 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |

| | | | | | |
|---|---|---|---|---|---|
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 6 | 6 | 6 | | EA |
| A-Insulated Bldg; Humid Ctrl | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 13 | 13 | 13 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 26 | 26 | 26 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 13 | 13 | 13 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 13 | 13 | 13 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 2 | 2 | 2 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |

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| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
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| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |

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| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 0 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |

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| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |

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| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| A-Insulated Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; Humid Ctrl | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 5 | 5 | 5 | | EA |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |

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| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 4 | 4 | 4 | | EA |
| E-Field Storage on Dunnage | 4 | 4 | 4 | | EA |
| E-Field Storage on Dunnage | 4 | 4 | 4 | | EA |
| E-Field Storage on Dunnage | 4 | 4 | 4 | | EA |
| E-Field Storage on Dunnage | 4 | 4 | 4 | | EA |
| E-Field Storage on Dunnage | 4 | 4 | 4 | | EA |
| E-Field Storage on Dunnage | 4 | 4 | 4 | | EA |
| E-Field Storage on Dunnage | 4 | 4 | 4 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| E-Field Storage on Dunnage | 2 | 2 | 2 | | EA |
| E-Field Storage on Dunnage | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 17 | 17 | 17 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |

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|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | EA |
| C-Weather-Tight Indoor Areas | 40 | 40 | 40 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | BX |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | BX |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | BX |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | BX |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | BX |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | BX |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |

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| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | PC |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 411 | 411 | 411 | | CM |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | PC |
| B-Insulatd Bldg; No Humid Ctrl | 1 | 1 | 1 | | PC |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | EA |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | |
| C-Weather-Tight Indoor Areas | 32 | 32 | 32 | | |

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| C-Weather-Tight Indoor Areas | 32 | 32 | 32 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | |
| C-Weather-Tight Indoor Areas | 400 | 400 | 400 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 200 | 200 | 200 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 15 | 15 | 15 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |

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|---|---|---|---|---|---|
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 18 | 18 | 18 | | |
| C-Weather-Tight Indoor Areas | 18 | 18 | 18 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 5 | 5 | 5 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 40 | 40 | 40 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 5 | 5 | 5 | | |
| C-Weather-Tight Indoor Areas | 35 | 35 | 35 | | |
| C-Weather-Tight Indoor Areas | 5 | 5 | 5 | | |
| C-Weather-Tight Indoor Areas | 5 | 5 | 5 | | |
| C-Weather-Tight Indoor Areas | 5 | 5 | 5 | | |
| C-Weather-Tight Indoor Areas | 5 | 5 | 5 | | |

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| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 300 | 300 | 300 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 3840 | 3840 | 3840 | | |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | |
| C-Weather-Tight Indoor Areas | 20 | 20 | 20 | | |
| C-Weather-Tight Indoor Areas | 10 | 10 | 10 | | |

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| C-Weather-Tight Indoor Areas | 5 | 5 | 5 | | |
| C-Weather-Tight Indoor Areas | 60 | 60 | 60 | | |
| C-Weather-Tight Indoor Areas | 60 | 60 | 60 | | |
| C-Weather-Tight Indoor Areas | 80 | 80 | 80 | | |
| C-Weather-Tight Indoor Areas | 160 | 160 | 160 | | |
| C-Weather-Tight Indoor Areas | 160 | 160 | 160 | | |
| C-Weather-Tight Indoor Areas | 40 | 40 | 40 | | |
| C-Weather-Tight Indoor Areas | 40 | 40 | 40 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | |
| C-Weather-Tight Indoor Areas | 32 | 32 | 32 | | |
| C-Weather-Tight Indoor Areas | 32 | 32 | 32 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 200 | 200 | 200 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | |
| C-Weather-Tight Indoor Areas | 9 | 9 | 9 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 4 | 4 | 4 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 15 | 15 | 15 | | |
| C-Weather-Tight Indoor Areas | 12 | 12 | 12 | | |

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| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
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| C-Weather-Tight Indoor Areas | 3 | 3 | 3 | | |
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| C-Weather-Tight Indoor Areas | 30 | 30 | 30 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 1 | 1 | 1 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 6 | 6 | 6 | | |
| C-Weather-Tight Indoor Areas | 16 | 16 | 16 | | |
| C-Weather-Tight Indoor Areas | 8 | 8 | 8 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
| C-Weather-Tight Indoor Areas | 2 | 2 | 2 | | |
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| GE | 600005870 | 1 | MR-1189 | | | |
| GE | 600005870 | 1 | MR-1189 | | | |
| GE | 600005870 | 1 | MR-1189 | | | |
| GE | 600005870 | 1 | MR-1189 | | | |
| GE | 600005870 | 1 | MR-1189 | | | |
| GE | 600005870 | 1 | MR-1189 | | | |
| GE | 600005870 | 1 | MR-1189 | | | |
| GE | 600011737 | 1 | MR-1350 | | | |
| GE | 600011737 | 1 | MR-1350 | | | |
| GE | 600011737 | 1 | MR-1350 | | | |
| GE | 600011737 | 1 | MR-1350 | | | |
| GE | 600011737 | 1 | MR-1350 | | | |

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|---|---|---|---|---|---|---|
| GE | 600011737 | 1 | MR-1350 | | | |
| GE | 600014740 | 2 | MR-1389 | | | |
| GE | 600014740 | 2 | MR-1389 | | | |
| GE | 600014740 | 2 | MR-1389 | | | |
| GE | 600014740 | 2 | MR-1389 | | | |
| GE | 600014740 | 1 | MR-1389 | | | |
| GE | 600015440 | 1 | MR-1276 | | | |
| GE | 600015441 | 1 | MR-1192 | | | |
| GE | 600015442 | 1 | MR-1198 | | | |
| GE | 600036195 | 1 | MR-1390 | | | |
| GE | 600036195 | 1 | MR-1390 | | | |
| GE | 600036195 | 1 | MR-1390 | | | |
| GE | 600036195 | 1 | MR-1390 | | | |
| GE | 600039142 | 1 | MR-1609 | | | |
| ALS | 100343 UO | 1 | MR-1007 | | | |
| ALS | 100343 UO | 1 | MR-1007 | | | |
| ALS | 100343 UO | 4 | MR-1007 | | | |
| ALS | 100343 UO | 1 | MR-1007 | | | |
| ALS | 100343 UO | 4 | MR-1007 | | | |
| ALS | 100343 UO | 1 | MR-1007 | | | |
| ALS | 100343 UO | 1 | MR-1007 | | | |
| ALS | 100343 UO | 1 | MR-1007 | | | |
| ALS | 100343 UO | 1 | MR-1007 | | | |
| ALS | 100343 UO | 1 | MR-1007 | | | |
| ALS | 100785 UO | 9 | MR-1179 | | | |
| ALS | 100785 UO | 9 | MR-1179 | | | |
| ALS | 100785 UO | 3 | MR-1452 | | | |
| ALS | 100785 UO | 3 | MR-1452 | | | |
| ALS | 100785 UO | 3 | MR-1452 | | | |
| ALS | 100785 UO | 9 | MR-1452 | | | |
| ALS | 100785 UO | 3 | MR-1452 | | | |
| ALS | 100785 UO | 9 | MR-1452 | | | |
| ALS | 100785 UO | 3 | MR-1452 | | | |
| ALS | 100785 UO | 3 | MR-1452 | | | |
| ALS | 100785 UO | 3 | MR-1452 | | | |
| ALS | 100785 UO | 3 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |

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|---|---|---|---|---|---|---|
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 7 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 2 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 2 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 2 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 2 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 2 | MR-1452 | | | |
| ALS | 100785 UO | 1 | MR-1452 | | | |
| ALS | 100785 UO | 2 | MR-1452 | | | |
| ALS | 100785 UO | 8 | MR-1478 | Rolls returned 5/31/2011 via FedEx Freight.2 2000 ft rolls sent to Alstom on 4/18/2011 via FedEx, Alstom to replace. | | |
| ALS | 100785 UO | 8 | MR-1478 | | | |
| ALS | 100785 UO | 10 | MR-1478 | | | |

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|---|---|---|---|---|---|---|
| ALS | 101179 UO | 7 | MR-0975 | | | |
| ALS | 101179 UO | 7 | MR-0975 | | | |
| ALS | 101179 UO | 7 | MR-0975 | | | |
| ALS | 101179 UO | 8 | MR-0975 | | | |
| ALS | 101179 UO | 7 | MR-0975 | | | |
| ALS | 101179 UO | 8 | MR-0975 | | | |
| ALS | 101179 UO | 9 | MR-0975 | | | |
| ALS | 101179 UO | 4 | MR-0975 | | | |
| ALS | 101179 UO | 6 | MR-0975 | | | |
| ALS | 101179 UO | 9 | MR-0975 | | | |
| ALS | 101179 UO | 9 | MR-0975 | | | |
| ALS | 101179 UO | 8 | MR-0975 | | | |
| ALS | 101179 UO | 9 | MR-0975 | | | |
| ALS | 101179 UO | 9 | MR-0975 | | | |
| ALS | 101179 UO | 1 | MR-0975 | | | |
| ALS | 101179 UO | 8 | MR-0975 | | | |
| ALS | 101179 UO | 8 | MR-0975 | | | |
| ALS | 102149 UO | 1 | MR-1212 | | | |
| ALS | 102149 UO | 1 | MR-1212 | | | |
| ALS | 102149 UO | 1 | MR-1212 | | | |
| ALS | 102149 UO | 1 | MR-1212 | | | |
| ALS | 102728 UO | 1 | MR-1382 | | | |
| ALS | 102728 UO | 1 | MR-1382 | | | |
| ALS | 102728 UO | 1 | MR-1382 | | | |
| ALS | 102728 UO | 1 | MR-1382 | | | |
| ALS | 102728 UO | 1 | MR-1382 | | | |
| ALS | 102728 UO | 1 | MR-1382 | | | |
| ALS | 102728 UO | 1 | MR-1382 | | | |
| ALS | 102728 UO | 1 | MR-1382 | | | |
| ALS | 103450 UO | 2 | MR-1581 | | | |
| ALS | 103450 UO | 5 | MR-1581 | Shortage Received,plus extra 1/24/2011 via UPS. Not in Shipment | | |
| ALS | 103450 UO | 6 | MR-1581 | | | |
| ALS | 103450 UO | 3 | MR-1581 | | | |
| ALS | 103450 UO | 1 | MR-1581 | | | |
| ALS | 103450 UO | 7 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 3 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |

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|---|---|---|---|---|---|---|
| ALS | 103450 UO | 7 | MR-1581 | | | |
| ALS | 103450 UO | 1 | MR-1581 | | | |
| ALS | 103450 UO | 2 | MR-1581 | | | |
| ALS | 103450 UO | 6 | MR-1581 | | | |
| ALS | 103450 UO | 2 | MR-1581 | | | |
| ALS | 103450 UO | 6 | MR-1581 | | | |
| ALS | 103450 UO | 3 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 1 | MR-1581 | | | |
| ALS | 103450 UO | 6 | MR-1581 | | | |
| ALS | 103450 UO | 3 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 1 | MR-1581 | | | |
| ALS | 103450 UO | 6 | MR-1581 | | | |
| ALS | 103450 UO | 1 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 1 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 6 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 1 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 1 | MR-1581 | | | |
| ALS | 103450 UO | 1 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 1 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 4 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 4 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 4 | MR-1581 | Replacement gauge received 1/24/2011 via UPS. Refer to Email from Al Jones 10/13/2010 | | |
| ALS | 103450 UO | 4 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 4 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | | | |
| ALS | 103450 UO | 4 | MR-1581 | New tag received 1/24/2011 via UPS.Refer to Email from Al Jones 10/13/2010 | | |
| ALS | 103450 UO | 4 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 4 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 4 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 4 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 4 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 9 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 10 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 11 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 11 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 11 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 11 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 11 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 11 | MR-1581 | Tag Received | | |

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|---|---|---|---|---|---|---|
| ALS | 103450 UO | 11 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 11 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 11 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 11 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 11 | MR-1581 | Tag Received | | |
| ALS | 103450 UO | 11 | MR-1581 | Received Temperature Indicator 11/1/2010 via UPS. Short | | |
| ALS | 105187 UO | 4 | MR-1470 | | | |
| ALS | 105187 UO | 4 | MR-1470 | | | |
| ALS | 105187 UO | 4 | MR-1470 | | | |
| ALS | 105187 UO | 4 | MR-1470 | | | |
| ALS | 105187 UO | 4 | MR-1470 | | | |
| ALS | 105187 UO | 4 | MR-1470 | | | |
| ALS | 105187 UO | 6 | MR-1470 | | | |
| ALS | 105187 UO | 6 | MR-1470 | | | |
| ALS | 105187 UO | 6 | MR-1470 | | | |
| ALS | 105187 UO | 6 | MR-1470 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |

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|---|---|---|---|---|---|---|
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | Corrected tags have been received.Tag Issues, Al Jones will address in a email | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |
| ALS | 108373 UO | 1 | MR-1601 | | | |

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|---|---|---|---|---|---|---|
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 | Corrected tags have been received.Tag Issues, Al Jones will address in a email |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |

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|---|---|---|---|---|---|---|
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 | Corrected tags have been received.Tag Issues, Al Jones will address in a email |  |  |
| ALS | 108373 UO | 1 | MR-1601 |  |  |  |
| ALS | 108373 UO | 1 | MR-1601 | Correted tags have been received.Tag Issues, Al Jones will address in a email |  |  |
| ALS | 108576 UO | 1 | MR-1577 |  |  |  |
| ALS | 108576 UO | 1 | MR-1577 |  |  |  |
| ALS | 108576 UO | 2 | MR-1577 |  |  |  |
| ALS | 108576 UO | 5 | MR-1577 |  |  |  |
| ALS | 108576 UO | 13 | MR-1577 |  |  |  |
| ALS | 108576 UO | 27 | MR-1577 |  |  |  |
| ALS | 108576 UO | 27 | MR-1577 |  |  |  |
| ALS | 108576 UO | 27 | MR-1577 |  |  |  |
| ALS | 108576 UO | 27 | MR-1577 |  |  |  |
| ALS | 108576 UO | 27 | MR-1577 |  |  |  |
| ALS | 108576 UO | 27 | MR-1577 |  |  |  |
| ALS | 108576 UO | 27 | MR-1577 |  |  |  |
| ALS | 108576 UO | 27 | MR-1577 |  |  |  |
| ALS | 108576 UO | 27 | MR-1577 |  |  |  |
| ALS | 108576 UO | 27 | MR-1577 |  |  |  |
| ALS | 108576 UO | 3 | MR-1577 |  |  |  |
| ALS | 108576 UO | 4 | MR-1577 |  |  |  |
| ALS | 108576 UO | 6 | MR-1577 |  |  |  |
| ALS | 108576 UO | 6 | MR-1577 |  |  |  |
| ALS | 108576 UO | 8 | MR-1577 |  |  |  |
| ALS | 108576 UO | 9 | MR-1577 |  |  |  |

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|---|---|---|---|---|---|---|
| ALS | 108576 UO | 10 | MR-1577 | | | |
| ALS | 108576 UO | 11 | MR-1577 | | | |
| ALS | 108576 UO | 12 | MR-1577 | | | |
| ALS | 108576 UO | 14 | MR-1577 | | | |
| ALS | 108576 UO | 20 | MR-1577 | | | |
| ALS | 108576 UO | 21 | MR-1577 | | | |
| ALS | 108576 UO | 30 | MR-1577 | | | |
| ALS | 108576 UO | 18 | MR-1577 | | | |
| ALS | 108576 UO | 23 | MR-1577 | | | |
| ALS | 108576 UO | 24 | MR-1577 | | | |
| ALS | 108576 UO | 22 | MR-1577 | | | |
| ALS | 108576 UO | 25 | MR-1577 | | | |
| ALS | 108576 UO | 25 | MR-1577 | | | |
| ALS | 108576 UO | 25 | MR-1577 | | | |
| ALS | 108576 UO | 26 | MR-1577 | | | |
| ALS | 108576 UO | 26 | MR-1577 | | | |
| ALS | 108576 UO | 26 | MR-1577 | | | |
| ALS | 108576 UO | 26 | MR-1577 | | | |
| ALS | 108576 UO | 28 | MR-1577 | | | |
| ALS | 108576 UO | 28 | MR-1577 | | | |
| ALS | 108576 UO | 28 | MR-1577 | | | |
| ALS | 108576 UO | 28 | MR-1577 | | | |
| ALS | 108576 UO | 28 | MR-1577 | | | |
| ALS | 108576 UO | 28 | MR-1577 | | | |
| ALS | 108576 UO | 28 | MR-1577 | | | |
| ALS | 108576 UO | 28 | MR-1577 | | | |
| ALS | 108576 UO | 28 | MR-1577 | | | |
| ALS | 108576 UO | 28 | MR-1577 | | | |
| ALS | 108576 UO | 26 | MR-1577 | | | |
| ALS | 108576 UO | 28 | MR-1577 | | | |
| ALS | 108576 UO | 28 | MR-1577 | Received tag.  Need Tag for this package | | |

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|---|---|---|---|---|---|---|
| ALS | 108576 UO | 27 | MR-1588 |  |  |  |
| ALS | 108576 UO | 6 | MR-1588 |  |  |  |
| ALS | 108576 UO | 7 | MR-1588 | Received shortage 10/4/2010 Short 1 Brass Union Tee 1/2"T |  |  |
| ALS | 108576 UO | 15 | MR-1588 |  |  |  |
| ALS | 108576 UO | 16 | MR-1588 |  |  |  |
| ALS | 108576 UO | 19 | MR-1588 |  |  |  |
| ALS | 108576 UO | 26 | MR-1588 |  |  |  |
| ALS | 93214 UO | 8 | MR-0299 |  |  |  |
| ALS | 93214 UO | 8 | MR-0299 |  |  |  |
| ALS | 93214 UO | 8 | MR-0299 |  |  |  |
| ALS | 93214 UO | 8 | MR-0299 |  |  |  |
| ALS | 93214 UO | 8 | MR-0299 |  |  |  |
| ALS | 93214 UO | 8 | MR-0299 |  |  |  |
| ALS | 93214 UO | 8 | MR-0299 |  |  |  |
| ALS | 93214 UO | 8 | MR-0299 |  |  |  |
| ALS | 93214 UO | 8 | MR-0299 |  |  |  |
| ALS | 93214 UO | 8 | MR-0299 |  |  |  |
| ALS | 93214 UO | 8 | MR-0299 |  |  |  |
| ALS | 93214 UO | 8 | MR-0299 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 8 | MR-0335 |  |  |  |
| ALS | 93214 UO | 3 | MR-0372 |  |  |  |
| ALS | 93214 UO | 3 | MR-0368 |  |  |  |
| ALS | 93214 UO | 3 | MR-0367 |  |  |  |
| ALS | 93214 UO | 3 | MR-0371 |  |  |  |
| ALS | 93214 UO | 3 | MR-0369 |  |  |  |
| ALS | 93214 UO | 3 | MR-0370 |  |  |  |
| ALS | 93214 UO | 4 | MR-0383 |  |  |  |
| ALS | 93214 UO | 14 | MR-0376 |  |  |  |
| ALS | 93214 UO | 4 | MR-0395 |  |  |  |
| ALS | 93214 UO | 4 | MR-0397 |  |  |  |
| ALS | 93214 UO | 4 | MR-0401 |  |  |  |
| ALS | 93214 UO | 6 | MR-0391 |  |  |  |
| ALS | 93214 UO | 5 | MR-0377 |  |  |  |
| ALS | 93214 UO | 5 | MR-0377 |  |  |  |
| ALS | 93214 UO | 5 | MR-0377 |  |  |  |
| ALS | 93214 UO | 5 | MR-0398 |  |  |  |
| ALS | 93214 UO | 5 | MR-0398 |  |  |  |
| ALS | 93214 UO | 22 | MR-0402 |  |  |  |
| ALS | 93214 UO | 22 | MR-0402 |  |  |  |
| ALS | 93214 UO | 22 | MR-0402 |  |  |  |

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| ALS | 93214 UO | 22 | MR-0402 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |

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| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 23 | MR-0400 | Returned to Vendor 9/22/2010 | | |
| ALS | 93214 UO | 23 | MR-0400 | Returned to Vendor 922/2010 | | |
| ALS | 93214 UO | 12 | MR-0400 | | | |
| ALS | 93214 UO | 12 | MR-0400 | | | |
| ALS | 93214 UO | 12 | MR-0400 | | | |
| ALS | 93214 UO | 12 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |

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| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |
| ALS | 93214 UO | 22 | MR-0400 | | | |

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|---|---|---|---|---|---|---|
| ALS | 93214 UO | 23 | MR-0400 | Returned to Vendor 9/22/2010 | | |
| ALS | 93214 UO | 23 | MR-0400 | Returned to Vendor 9/22/2010 | | |
| ALS | 93214 UO | 12 | MR-0400 | | | |
| ALS | 93214 UO | 12 | MR-0400 | | | |
| ALS | 93214 UO | 12 | MR-0400 | | | |
| ALS | 93214 UO | 12 | MR-0400 | | | |
| ALS | 93214 UO | 7 | MR-0393 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | |
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| ALS | 93214 UO | 21 | MR-0399 | | | |

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| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 21 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 17 | MR-0399 | | | | |
| ALS | 93214 UO | 2 | MR-0826 | | | | |
| ALS | 93214 UO | 15 | MR-0826 | | | | |

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| ALS | 93214 UO | 15 | MR-0826 | | | |
| ALS | 93214 UO | 15 | MR-0826 | | | |
| ALS | 93214 UO | 15 | MR-0826 | | | |
| ALS | 93214 UO | 15 | MR-0826 | | | |
| ALS | 93214 UO | 15 | MR-0826 | | | |
| ALS | 93214 UO | 2 | MR-0827 | | | |
| ALS | 93214 UO | 15 | MR-0827 | | | |
| ALS | 93214 UO | 15 | MR-0827 | | | |
| ALS | 93214 UO | 15 | MR-0827 | | | |
| ALS | 93214 UO | 15 | MR-0827 | | | |
| ALS | 93214 UO | 15 | MR-0827 | | | |
| ALS | 93214 UO | 15 | MR-0827 | | | |
| ALS | 93214 UO | 2 | MR-0825 | | | |
| ALS | 93214 UO | 15 | MR-0825 | | | |
| ALS | 93214 UO | 15 | MR-0825 | | | |
| ALS | 93214 UO | 15 | MR-0825 | | | |
| ALS | 93214 UO | 15 | MR-0825 | | | |
| ALS | 93214 UO | 15 | MR-0825 | | | |
| ALS | 93214 UO | 15 | MR-0825 | | | |
| ALS | 93214 UO | 2 | MR-0824 | | | |
| ALS | 93214 UO | 15 | MR-0824 | | | |
| ALS | 93214 UO | 15 | MR-0824 | | | |
| ALS | 93214 UO | 15 | MR-0824 | | | |
| ALS | 93214 UO | 15 | MR-0824 | | | |
| ALS | 93214 UO | 15 | MR-0824 | | | |
| ALS | 93214 UO | 15 | MR-0824 | | | |
| ALS | 93214 UO | 2 | MR-0823 | | | |
| ALS | 93214 UO | 15 | MR-0823 | | | |
| ALS | 93214 UO | 15 | MR-0823 | | | |
| ALS | 93214 UO | 15 | MR-0823 | | | |
| ALS | 93214 UO | 15 | MR-0823 | | | |
| ALS | 93214 UO | 15 | MR-0823 | | | |
| ALS | 93214 UO | 15 | MR-0823 | | | |
| ALS | 93214 UO | 2 | MR-0828 | | | |
| ALS | 93214 UO | 15 | MR-0828 | | | |
| ALS | 93214 UO | 15 | MR-0828 | | | |
| ALS | 93214 UO | 15 | MR-0828 | | | |
| ALS | 93214 UO | 15 | MR-0828 | | | |
| ALS | 93214 UO | 15 | MR-0828 | | | |
| ALS | 93214 UO | 15 | MR-0828 | | | |
| ALS | 93214 UO | 9 | MR-0907 | | | |
| ALS | 93214 UO | 9 | MR-0907 | | | |
| ALS | 93214 UO | 9 | MR-0907 | | | |
| ALS | 93214 UO | 9 | MR-0908 | | | |
| ALS | 93214 UO | 9 | MR-0908 | | | |
| ALS | 93214 UO | 9 | MR-0908 | | | |
| ALS | 93214 UO | 9 | MR-0909 | | | |
| ALS | 93214 UO | 9 | MR-0909 | | | |
| ALS | 93214 UO | 9 | MR-0909 | | | |
| ALS | 93214 UO | 9 | MR-0910 | | | |
| ALS | 93214 UO | 9 | MR-0910 | | | |
| ALS | 93214 UO | 9 | MR-0910 | | | |
| ALS | 93214 UO | 9 | MR-0911 | | | |
| ALS | 93214 UO | 9 | MR-0911 | | | |
| ALS | 93214 UO | 9 | MR-0911 | | | |
| ALS | 93214 UO | 9 | MR-0915 | | | |
| ALS | 93214 UO | 9 | MR-0915 | | | |
| ALS | 93214 UO | 9 | MR-0915 | | | |

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| ALS | 93214 UO | 9 | MR-0915 | | | | |
| ALS | 93214 UO | 9 | MR-0915 | | | | |
| ALS | 93214 UO | 9 | MR-0915 | | | | |
| ALS | 93214 UO | 9 | MR-0915 | | | | |
| ALS | 93214 UO | 9 | MR-0916 | | | | |
| ALS | 93214 UO | 9 | MR-0916 | | | | |
| ALS | 93214 UO | 9 | MR-0916 | | | | |
| ALS | 93214 UO | 9 | MR-0916 | | | | |
| ALS | 93214 UO | 9 | MR-0917 | | | | |
| ALS | 93214 UO | 9 | MR-0917 | | | | |
| ALS | 93214 UO | 9 | MR-0917 | | | | |
| ALS | 93214 UO | 9 | MR-0918 | | | | |
| ALS | 93214 UO | 9 | MR-0918 | | | | |
| ALS | 93214 UO | 9 | MR-0918 | | | | |
| ALS | 93214 UO | 9 | MR-0918 | | | | |
| ALS | 93214 UO | 9 | MR-0918 | | | | |
| ALS | 93214 UO | 9 | MR-0918 | | | | |
| ALS | 93214 UO | 9 | MR-0918 | | | | |
| ALS | 93214 UO | 10 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
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| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |

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|---|---|---|---|---|---|---|---|
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0926 | | | | |
| ALS | 93214 UO | 19 | MR-0923 | | | | |
| ALS | 93214 UO | 19 | MR-0923 | | | | |
| ALS | 93214 UO | 19 | MR-0923 | | | | |
| ALS | 93214 UO | 19 | MR-0923 | | | | |
| ALS | 93214 UO | 19 | MR-0924 | | | | |
| ALS | 93214 UO | 19 | MR-0924 | | | | |
| ALS | 93214 UO | 19 | MR-0924 | | | | |
| ALS | 93214 UO | 19 | MR-0924 | | | | |
| ALS | 93214 UO | 10 | MR-0925 | | | | |
| ALS | 93214 UO | 10 | MR-0925 | | | | |
| ALS | 93214 UO | 10 | MR-0925 | | | | |
| ALS | 93214 UO | 10 | MR-0925 | | | | |
| ALS | 93214 UO | 10 | MR-0925 | | | | |
| ALS | 93214 UO | 19 | MR-0925 | | | | |
| ALS | 93214 UO | 20 | MR-0927 | | | | |
| ALS | 93214 UO | 20 | MR-0927 | | | | |
| ALS | 93214 UO | 20 | MR-0927 | | | | |
| ALS | 93214 UO | 20 | MR-0927 | | | | |
| ALS | 93214 UO | 20 | MR-0927 | | | | |
| ALS | 93214 UO | 20 | MR-0927 | | | | |
| ALS | 93214 UO | 20 | MR-0927 | | | | |
| ALS | 93214 UO | 20 | MR-0927 | | | | |
| ALS | 93214 UO | 20 | MR-0927 | | | | |
| ALS | 93214 UO | 20 | MR-0927 | | | | |
| ALS | 93214 UO | 20 | MR-0927 | | | | |
| ALS | 93214 UO | 20 | MR-0927 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | | |

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|---|---|---|---|---|---|---|
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |
| ALS | 93796 UO | 4 | MR-0952 | | | |

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|---|---|---|---|---|---|---|
| ALS | 93796 UO | 4 | MR-0952 |  |  |  |
| ALS | 93796 UO | 4 | MR-0952 |  |  |  |
| ALS | 93796 UO | 4 | MR-0952 |  |  |  |
| ALS | 94215 UO | 1 | MR-0437 |  |  |  |
| ALS | 94215 UO | 1 | MR-0437 |  |  |  |
| ALS | 94215 UO | 1 | MR-0437 |  |  |  |
| ALS | 94215 UO | 1 | MR-0437 |  |  |  |
| ALS | 94215 UO | 1 | MR-0437 |  |  |  |
| ALS | 94215 UO | 1 | MR-0437 |  |  |  |
| ALS | 94215 UO | 1 | MR-0437 |  |  |  |
| ALS | 94215 UO | 2 | MR-0437 |  |  |  |
| ALS | 94457 UO | 1 | MR-1159 |  |  |  |
| ALS | 94457 UO | 1 | MR-1159 |  |  |  |
| ALS | 94457 UO | 1 | MR-1159 |  |  |  |
| ALS | 94457 UO | 1 | MR-1107 |  |  |  |
| ALS | 94457 UO | 1 | MR-1107 |  |  |  |
| ALS | 94457 UO | 1 | MR-1107 |  |  |  |
| ALS | 94457 UO | 1 | MR-1107 |  |  |  |
| ALS | 94457 UO | 1 | MR-1025 |  |  |  |
| ALS | 94457 UO | 1 | MR-1025 |  |  |  |
| ALS | 94916 UO | 3 | MR-0610 |  |  |  |
| ALS | 94916 UO | 5 | MR-0610 |  |  |  |
| ALS | 94983 UO | 15 | MR-1157 |  |  |  |
| ALS | 94983 UO | 15 | MR-1157 |  |  |  |
| ALS | 94983 UO | 15 | MR-1157 |  |  |  |
| ALS | 94983 UO | 15 | MR-1157 |  |  |  |
| ALS | 94983 UO | 14 | MR-1157 |  |  |  |
| ALS | 94983 UO | 14 | MR-1157 |  |  |  |
| ALS | 94983 UO | 14 | MR-1157 |  |  |  |
| ALS | 94983 UO | 14 | MR-1157 |  |  |  |
| ALS | 94983 UO | 14 | MR-1157 |  |  |  |
| ALS | 94983 UO | 14 | MR-1157 |  |  |  |
| ALS | 94983 UO | 14 | MR-1157 |  |  |  |
| ALS | 94983 UO | 14 | MR-1157 |  |  |  |
| ALS | 94983 UO | 14 | MR-1157 |  |  |  |
| ALS | 94983 UO | 14 | MR-1157 |  |  |  |

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|---|---|---|---|---|---|---|
| ALS | 94983 UO | 14 | MR-1157 | | | |
| ALS | 94983 UO | 14 | MR-1157 | | | |
| ALS | 95042 UO | 1 | MR-0550 | | | |
| ALS | 95042 UO | 1 | MR-0550 | | | |
| ALS | 95042 UO | 1 | MR-0550 | | | |
| ALS | 95042 UO | 1 | MR-0550 | | | |
| ALS | 95042 UO | 3 | MR-0550 | | | |
| ALS | 95042 UO | 3 | MR-0550 | | | |
| ALS | 95042 UO | 3 | MR-0550 | | | |
| ALS | 95042 UO | 3 | MR-0550 | | | |
| ALS | 95042 UO | 5 | MR-1010 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 1 | MR-0929 | | | |
| ALS | 95063 UO | 2 | MR-0929 | | | |
| ALS | 95063 UO | 2 | MR-0929 | | | |
| ALS | 95063 UO | 2 | MR-0929 | | | |
| ALS | 95063 UO | 2 | MR-0929 | | | |
| ALS | 95121 UO | 6 | MR-1018 | | | |
| ALS | 95121 UO | 6 | MR-1018 | | | |
| ALS | 95121 UO | 6 | MR-1122 | | | |
| ALS | 95121 UO | 4 | MR-1122 | | | |
| ALS | 95121 UO | 4 | MR-1122 | | | |
| ALS | 95121 UO | 4 | MR-1122 | | | |
| ALS | 95121 UO | 4 | MR-1122 | | | |
| ALS | 95121 UO | 4 | MR-1122 | | | |
| ALS | 95121 UO | 4 | MR-1122 | | | |
| ALS | 95121 UO | 4 | MR-1122 | | | |
| ALS | 95121 UO | 4 | MR-1122 | | | |
| ALS | 95121 UO | 4 | MR-1122 | | | |
| ALS | 95121 UO | 3 | MR-1122 | | | |
| ALS | 95121 UO | 2 | MR-1122 | | | |
| ALS | 95121 UO | 3 | MR-1122 | | | |

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|---|---|---|---|---|---|---|
| ALS | 95121 UO | 3 | MR-1122 | | | |
| ALS | 95121 UO | 2 | MR-1122 | | | |
| ALS | 95121 UO | 3 | MR-1122 | | | |
| ALS | 95121 UO | 3 | MR-1122 | | | |
| ALS | 95121 UO | 2 | MR-1122 | | | |
| ALS | 95121 UO | 3 | MR-1122 | | | |
| ALS | 95121 UO | 5 | MR-1122 | | | |
| ALS | 95121 UO | 2 | MR-1122 | | | |
| ALS | 95121 UO | 5 | MR-1122 | | | |
| ALS | 95121 UO | 5 | MR-1122 | | | |
| ALS | 95121 UO | 2 | MR-1122 | | | |
| ALS | 95121 UO | 5 | MR-1122 | | | |
| ALS | 95121 UO | 5 | MR-1122 | | | |
| ALS | 95121 UO | 5 | MR-1122 | | | |
| ALS | 95124 UO | 2 | MR-0897 | | | |
| ALS | 95124 UO | 2 | MR-0897 | | | |
| ALS | 95124 UO | 2 | MR-0897 | | | |
| ALS | 95124 UO | 2 | MR-0897 | | | |
| ALS | 95124 UO | 2 | MR-0898 | | | |
| ALS | 95124 UO | 2 | MR-0898 | | | |
| ALS | 95124 UO | 2 | MR-0898 | | | |
| ALS | 95124 UO | 1 | MR-1171 | | | |
| ALS | 95124 UO | 1 | MR-1171 | | | |
| ALS | 95343 UO | 1 | MR-0984 | | | |
| ALS | 95343 UO | 1 | MR-0985 | | | |
| ALS | 95343 UO | 1 | MR-0996 | | | |
| ALS | 95594 UO | 1 | MR-0935 | | | |
| ALS | 95594 UO | 1 | MR-0935 | | | |
| ALS | 95594 UO | 1 | MR-0935 | | | |
| ALS | 95594 UO | 1 | MR-0935 | | | |
| ALS | 95594 UO | 1 | MR-0935 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0939 | | | |
| ALS | 95594 UO | 1 | MR-0943 | | | |
| ALS | 95594 UO | 1 | MR-0943 | | | |
| ALS | 95594 UO | 1 | MR-0943 | | | |
| ALS | 95594 UO | 1 | MR-0943 | | | |
| ALS | 95594 UO | 1 | MR-0943 | | | |
| ALS | 95594 UO | 1 | MR-0943 | | | |
| ALS | 95594 UO | 1 | MR-0943 | | | |

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|---|---|---|---|---|---|---|
| ALS | 95594 UO | 1 | MR-0943 |  |  |  |
| ALS | 95594 UO | 1 | MR-0943 |  |  |  |
| ALS | 95594 UO | 1 | MR-0943 |  |  |  |
| ALS | 95594 UO | 1 | MR-0943 |  |  |  |
| ALS | 95594 UO | 1 | MR-0943 |  |  |  |
| ALS | 95594 UO | 1 | MR-0943 |  |  |  |
| ALS | 95594 UO | 1 | MR-0943 |  |  |  |
| ALS | 95594 UO | 1 | MR-0943 |  |  |  |
| ALS | 95594 UO | 1 | MR-0943 |  |  |  |
| ALS | 95594 UO | 1 | MR-0943 |  |  |  |
| ALS | 95594 UO | 1 | MR-0943 |  |  |  |
| ALS | 95594 UO | 2 | MR-0940 |  |  |  |
| ALS | 95594 UO | 2 | MR-0940 |  |  |  |
| ALS | 95594 UO | 2 | MR-0940 |  |  |  |
| ALS | 95594 UO | 2 | MR-0940 |  |  |  |
| ALS | 95594 UO | 2 | MR-0940 |  |  |  |
| ALS | 95594 UO | 2 | MR-0940 |  |  |  |
| ALS | 95621 UO | 1 | MR-0921 |  |  |  |
| ALS | 95621 UO | 1 | MR-0921 |  |  |  |
| ALS | 95621 UO | 1 | MR-0921 |  |  |  |
| ALS | 95621 UO | 1 | MR-0921 |  |  |  |
| ALS | 95621 UO | 1 | MR-0921 |  |  |  |
| ALS | 95621 UO | 1 | MR-0921 |  |  |  |
| ALS | 95621 UO | 1 | MR-0921 |  |  |  |
| ALS | 95621 UO | 1 | MR-0921 |  |  |  |
| ALS | 95621 UO | 1 | MR-0921 |  |  |  |
| ALS | 95621 UO | 1 | MR-0921 |  |  |  |
| ALS | 95621 UO | 1 | MR-0921 |  |  |  |
| ALS | 95621 UO | 1 | MR-0921 |  |  |  |
| ALS | 95621 UO | 1 | MR-0922 |  |  |  |
| ALS | 95621 UO | 1 | MR-0922 |  |  |  |
| ALS | 95621 UO | 1 | MR-0922 |  |  |  |
| ALS | 95621 UO | 1 | MR-0922 |  |  |  |
| ALS | 95621 UO | 1 | MR-0922 |  |  |  |
| ALS | 95621 UO | 1 | MR-0922 |  |  |  |
| ALS | 95621 UO | 1 | MR-0922 |  |  |  |
| ALS | 95621 UO | 1 | MR-0922 |  |  |  |
| ALS | 95621 UO | 1 | MR-0922 |  |  |  |
| ALS | 95621 UO | 1 | MR-0922 |  |  |  |
| ALS | 95621 UO | 1 | MR-0922 |  |  |  |
| ALS | 95621 UO | 1 | MR-0922 |  |  |  |
| ALS | 95917 UO | 2 | MR-0590 |  |  |  |
| ALS | 95917 UO | 4 | MR-0589 |  |  |  |
| ALS | 95917 UO | 1 | MR-0591 |  |  |  |
| ALS | 95917 UO | 1 | MR-0591 |  |  |  |
| ALS | 95917 UO | 1 | MR-0591 |  |  |  |
| ALS | 95917 UO | 1 | MR-0591 |  |  |  |
| ALS | 95917 UO | 1 | MR-0591 |  |  |  |
| ALS | 95917 UO | 1 | MR-0591 |  |  |  |

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|---|---|---|---|---|---|---|
| ALS | 95917 UO | 1 | MR-0591 | | | |
| ALS | 95917 UO | 1 | MR-0591 | | | |
| ALS | 95917 UO | 1 | MR-0591 | | | |
| ALS | 95917 UO | 1 | MR-0591 | | | |
| ALS | 95917 UO | 1 | MR-0591 | | | |
| ALS | 95917 UO | 1 | MR-0591 | | | |
| ALS | 95917 UO | 1 | MR-0591 | | | |
| ALS | 95917 UO | 1 | MR-0591 | | | |
| ALS | 95917 UO | 1 | MR-0591 | | | |
| ALS | 95917 UO | 1 | MR-0591 | | | |
| ALS | 95917 UO | 2 | MR-0582 | | | |
| ALS | 95917 UO | 2 | MR-0582 | | | |
| ALS | 95917 UO | 2 | MR-0582 | | | |
| ALS | 95917 UO | 2 | MR-0582 | | | |
| ALS | 95917 UO | 2 | MR-0582 | | | |
| ALS | 95917 UO | 2 | MR-0582 | | | |
| ALS | 95917 UO | 2 | MR-0582 | | | |
| ALS | 95917 UO | 2 | MR-0582 | | | |
| ALS | 95917 UO | 2 | MR-0582 | | | |
| ALS | 95917 UO | 6 | MR-0930 | | | |
| ALS | 95917 UO | 6 | MR-0930 | | | |
| ALS | 95917 UO | 6 | MR-0930 | | | |
| ALS | 95917 UO | 6 | MR-0930 | | | |
| ALS | 95917 UO | 6 | MR-0930 | | | |
| ALS | 95917 UO | 6 | MR-0930 | | | |
| ALS | 95917 UO | 6 | MR-0930 | | | |
| ALS | 95917 UO | 6 | MR-0930 | | | |
| ALS | 95917 UO | 6 | MR-0930 | | | |
| ALS | 95917 UO | 6 | MR-0930 | | | |
| ALS | 95917 UO | 5 | MR-0930 | | | |
| ALS | 95917 UO | 5 | MR-0930 | Sent back to O'Brien Corporation 4/15/2010 | | |
| ALS | 95917 UO | 5 | MR-0930 | Sent back to O'Brien Corporation 4/15/2010 | | |
| ALS | 95917 UO | 5 | MR-0930 | | | |
| ALS | 95917 UO | 5 | MR-0930 | Sent back to O'Brien Corporation 4/15/2010 | | |

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|---|---|---|---|---|---|---|
| ALS | 95917 UO | 5 | MR-0930 | | | |
| ALS | 95917 UO | 3 | MR-1540 | Received Tags 10/11/2010 via FedEx. No Tags | | |
| ALS | 95917 UO | 5 | MR-1540 | | | |
| ALS | 95917 UO | 5 | MR-1540 | | | |
| ALS | 95917 UO | 5 | MR-1540 | | | |
| ALS | 96573 UO | 2 | MR-1412 | | | |
| ALS | 96733 UO | 2 | MR-0653 | | | |
| ALS | 96733 UO | 2 | MR-0653 | | | |
| ALS | 96733 UO | 3 | MR-0653 | | | |
| ALS | 96733 UO | 3 | MR-0653 | | | |
| ALS | 96733 UO | 3 | MR-0653 | | | |
| ALS | 96733 UO | 3 | MR-0653 | | | |
| ALS | 96733 UO | 3 | MR-0653 | | | |
| ALS | 96733 UO | 3 | MR-0653 | | | |
| ALS | 96733 UO | 1 | MR-0653 | | | |
| ALS | 96733 UO | 1 | MR-0653 | | | |
| ALS | 96733 UO | 1 | MR-0653 | | | |
| ALS | 96733 UO | 1 | MR-0653 | | | |
| ALS | 96733 UO | 1 | MR-0653 | | | |
| ALS | 96733 UO | 1 | MR-0653 | | | |
| ALS | 96733 UO | 4 | MR-0653 | | | |
| ALS | 96733 UO | 4 | MR-0653 | | | |
| ALS | 96733 UO | 4 | MR-0653 | | | |
| ALS | 96733 UO | 4 | MR-0653 | | | |
| ALS | 96733 UO | 4 | MR-0653 | | | |
| ALS | 96733 UO | 4 | MR-0653 | | | |
| ALS | 96733 UO | 4 | MR-0653 | | | |
| ALS | 96733 UO | 4 | MR-0653 | | | |
| ALS | 96926 UO | 1 | MR-0715 | | | |
| ALS | 96926 UO | 1 | MR-0715 | | | |
| ALS | 96926 UO | 2 | MR-0715 | | | |
| ALS | 96926 UO | 2 | MR-0715 | | | |
| ALS | 96926 UO | 3 | MR-0715 | | | |
| ALS | 96926 UO | 3 | MR-0715 | | | |
| ALS | 96926 UO | 4 | MR-0715 | | | |
| ALS | 96926 UO | 4 | MR-0715 | | | |
| ALS | 96926 UO | 4 | MR-0715 | | | |
| ALS | 96926 UO | 4 | MR-0715 | | | |
| ALS | 96926 UO | 4 | MR-0715 | | | |

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|---|---|---|---|---|---|---|
| ALS | 96926 UO | 4 | MR-0715 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 2 | MR-1399 | | | |
| ALS | 97300 UO | 2 | MR-1399 | | | |
| ALS | 97300 UO | 2 | MR-1399 | | | |
| ALS | 97300 UO | 2 | MR-1399 | | | |
| ALS | 97300 UO | 2 | MR-1399 | | | |
| ALS | 97300 UO | 2 | MR-1399 | | | |
| ALS | 97300 UO | 2 | MR-1399 | | | |
| ALS | 97300 UO | 2 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 1 | MR-1399 | | | |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag | | |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag | | |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag | | |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag | | |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag | | |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag | | |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag | | |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag | | |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag | | |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag | | |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag | | |

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|---|---|---|---|---|---|---|
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97300 UO | 3 | MR-1399 | Returned to Vendor on 8/2/3010, See attached UPS bills No piece mark tag |  |  |
| ALS | 97432 UO | 1 | MR-1209 |  |  |  |
| ALS | 97432 UO | 2 | MR-1209 |  |  |  |
| ALS | 97432 UO | 1 | MR-1209 |  |  |  |
| ALS | 97432 UO | 2 | MR-1209 |  |  |  |
| ALS | 97432 UO | 1 | MR-1209 |  |  |  |
| ALS | 97432 UO | 2 | MR-1209 |  |  |  |
| ALS | 97432 UO | 1 | MR-1209 |  |  |  |
| ALS | 97432 UO | 2 | MR-1209 |  |  |  |
| ALS | 97781 UO | 1 | MR-1461 |  |  |  |
| ALS | 97781 UO | 1 | MR-1461 |  |  |  |
| ALS | 97781 UO | 2 | MR-1461 |  |  |  |
| ALS | 97781 UO | 2 | MR-1461 |  |  |  |
| ALS | 97781 UO | 1 | MR-1461 |  |  |  |
| ALS | 97781 UO | 1 | MR-1461 |  |  |  |
| ALS | 97781 UO | 1 | MR-1461 |  |  |  |
| ALS | 97781 UO | 1 | MR-1461 |  |  |  |

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| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 2 | MR-1461 | | | | |
| ALS | 97781 UO | 2 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 1 | MR-1461 | | | | |
| ALS | 97781 UO | 2 | MR-1461 | | | | |
| ALS | 97781 UO | 2 | MR-1461 | | | | |
| ALS | 97781 UO | 2 | MR-1461 | | | | |
| ALS | 97781 UO | 2 | MR-1461 | | | | |
| ALS | 97781 UO | 2 | MR-1461 | | | | |

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| ALS | 97781 UO | 2 | MR-1461 | | | |
| ALS | 97781 UO | 2 | MR-1461 | | | |
| ALS | 97781 UO | 2 | MR-1461 | | | |
| ALS | 97781 UO | 2 | MR-1461 | | | |
| ALS | 97781 UO | 2 | MR-1461 | | | |
| ALS | 98302 UO | 1 | MR-1385 | | | |
| ALS | 98302 UO | 2 | MR-1385 | | | |
| ALS | 98302 UO | 3 | MR-1385 | | | |
| ALS | 98302 UO | 5 | MR-1385 | | | |
| ALS | 98302 UO | 7 | MR-1385 | | | |
| ALS | 98302 UO | 8 | MR-1385 | | | |
| ALS | 98302 UO | 4 | MR-1384 | | | |
| ALS | 98302 UO | 6 | MR-1384 | | | |
| ALS | 98302 UO | 9 | MR-1384 | | | |
| ALS | 98713 UO | 1 | MR-0435 | | | |
| ALS | 98713 UO | 1 | MR-0435 | | | |
| ALS | 98713 UO | 1 | MR-0435 | | | |
| ALS | 98713 UO | 1 | MR-0435 | | | |
| ALS | 98713 UO | 1 | MR-0435 | | | |
| ALS | 98713 UO | 1 | MR-0435 | | | |
| ALS | 98713 UO | 1 | MR-0435 | | | |
| ALS | 98713 UO | 1 | MR-0435 | | | |
| ALS | 98713 UO | 1 | MR-0435 | | | |
| ALS | 98713 UO | 1 | MR-0435 | | | |
| ALS | 98713 UO | 1 | MR-0435 | | | |
| ALS | 98713 UO | 1 | MR-0435 | | | |
| ALS | 98777 UO | 2 | MR-1414 | | | |
| ALS | 98839 UO | 2 | MR-0581 | | | |
| ALS | 98839 UO | 2 | MR-0581 | | | |
| ALS | 98839 UO | 2 | MR-0581 | | | |
| ALS | 98839 UO | 2 | MR-0581 | | | |
| ALS | 98839 UO | 2 | MR-0576 | | | |
| ALS | 98839 UO | 2 | MR-0576 | | | |
| ALS | 98839 UO | 2 | MR-0576 | | | |
| ALS | 98839 UO | 2 | MR-0576 | | | |
| ALS | 98839 UO | 2 | MR-0576 | | | |
| ALS | 98839 UO | 2 | MR-0576 | | | |
| ALS | 98839 UO | 2 | MR-0576 | | | |

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| ALS | 98839 UO | 2 | MR-0576 | | | |
| ALS | 98839 UO | 2 | MR-0577 | | | |
| ALS | 98839 UO | 2 | MR-0577 | | | |
| ALS | 98839 UO | 2 | MR-0577 | | | |
| ALS | 98839 UO | 2 | MR-0577 | | | |
| ALS | 98839 UO | 2 | MR-0577 | | | |
| ALS | 98839 UO | 2 | MR-0577 | | | |
| ALS | 98839 UO | 2 | MR-0577 | | | |
| ALS | 98839 UO | 2 | MR-0577 | | | |
| ALS | 98839 UO | 2 | MR-0577 | | | |
| ALS | 98839 UO | 2 | MR-0577 | | | |
| ALS | 98839 UO | 2 | MR-0580 | | | |
| ALS | 98839 UO | 2 | MR-0580 | | | |
| ALS | 98839 UO | 2 | MR-0580 | | | |
| ALS | 98839 UO | 2 | MR-0580 | | | |
| ALS | 98839 UO | 2 | MR-0580 | | | |
| ALS | 98839 UO | 2 | MR-0580 | | | |
| ALS | 98839 UO | 2 | MR-0580 | | | |
| ALS | 98839 UO | 2 | MR-0579 | | | |
| ALS | 98839 UO | 2 | MR-0579 | | | |
| ALS | 98839 UO | 2 | MR-0579 | | | |
| ALS | 98839 UO | 2 | MR-0579 | | | |
| ALS | 98839 UO | 2 | MR-0579 | | | |
| ALS | 98839 UO | 2 | MR-0579 | | | |
| ALS | 98839 UO | 2 | MR-0579 | | | |
| ALS | 98839 UO | 2 | MR-0579 | | | |
| ALS | 98839 UO | 2 | MR-0579 | | | |
| ALS | 98839 UO | 2 | MR-0579 | | | |
| ALS | 98839 UO | 2 | MR-0579 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |

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| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
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| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
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| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | |
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| ALS | 99267 UO | 1 | MR-1495 | | | |
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| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
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| ALS | 99267 UO | 1 | MR-1495 | | | | |
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| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99267 UO | 1 | MR-1495 | | | | |
| ALS | 99291 UO | 3 | MR-1409 | | | | |
| ALS | 99291 UO | 3 | MR-1409 | | | | |
| ALS | 99291 UO | 5 | MR-1409 | | | | |
| ALS | 99291 UO | 5 | MR-1409 | | | | |
| ALS | 99291 UO | 7 | MR-1409 | | | | |
| ALS | 99291 UO | 7 | MR-1409 | | | | |
| ALS | 99291 UO | 1 | MR-1408 | | | | |
| ALS | 99291 UO | 1 | MR-1408 | | | | |
| GE | T764 | 1 | MR-1327 | | | | |
| GE | T764 | 1 | MR-1321 | | | | |
| GE | T764 | 1 | MR-1321 | | | | |
| GE | T764 | 1 | MR-1321 | | | | |
| GE | T764 | 1 | MR-1321 | | | | |
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| GE | T764 | 1 | MR-1321 | | | | |

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| GE | T764 | 1 | MR-1321 |  |  |  |
| GE | T764 | 1 | MR-1320 |  |  |  |
| GE | T764 | 1 | MR-1320 |  |  |  |
| GE | T764 | 1 | MR-1320 |  |  |  |
| GE | T764 | 1 | MR-1320 |  |  |  |
| GE | T764 | 1 | MR-1318 |  |  |  |
| GE | T764 | 1 | MR-1318 |  |  |  |
| GE | T764 | 1 | MR-1318 |  |  |  |
| GE | T764 | 1 | MR-1318 |  |  |  |
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| GE | T764 | 1 | MR-1318 | | | | |
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| GE | T764 | 1 | MR-1318 | | | |
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| 3,015.00 | 195.58 | 1,367.58 | 44.00 | 3,015.00 | 111.76 | 1,367.58 | 53.00 | 103.91 | 134.62 | 2.94 | 1 | EA |
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| 7/27/2009 | TGWH-HS13 |
| 7/27/2009 | TGWH-J |
| 7/27/2009 | TGWH-J |
| 8/6/2009 | TGWH-I |
| 8/6/2009 | TGWH-I |
| 8/6/2009 | TGWH-I |

# SALE #2851
# SALE OF POWER GENERATIO
# KNOWN MISSING COMPO
# SCHEDULE 3

| Supplier Box | Box Item | Description | Tag/Part |
|---|---|---|---|
| A93214 UO-012-PEDE-155-0008 | 134 | BOWL HUB AND VANE WHL ASSY | |
| A93214 UO-014-PEDE-155-0009 | 134 | BOWL HUB AND VANE WHL ASSY | |
| A95343 UO-005-PEDE-081-0037 | 001 | WINDBOX CORNER NO. 1 | F-WB-1 |
| A100308 UO-001-PEDE-0DM-0001 | 002 | 3020TR Transceiver, 316L, CE part# 1045-a110p | 1-SG-XE-2701 |
| A100308 UO-001-PEDE-0DM-0002 | 001 | ACOUSTIC PYROMETER | 1-SG-CBC-2701-1 |
| A100308 UO-001-PEDE-0DM-0003 | 002 | 3020TR Transceiver, 316L, CE part# 1045-a110p | 1-SG-XE-2701 |
| A100308 UO-001-PEDE-0DM-0004 | 003 | Adaptor, Hinged w/Tube, 6"x12" SS part# 1200 | 1-SG-XE-2701 |
| A100308 UO-001-PEDE-0DM-0005 | 003 | Adaptor, Hinged w/Tube, 6"x12" SS part# 1200 | 1-SG-XE-2701 |
| A96561 UO-001-PEDE-924-0001 | 001 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2701-1 |
| A96561 UO-001-PEDE-924-0001 | 001A | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | N/A |
| A96561 UO-001-PEDE-924-0001 | 002 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2702-1 |
| A96561 UO-001-PEDE-924-0001 | 002A | T96 HEAD AMPLIFIER CARD (STRUCTURE BORNE) | N/A |
| A96561 UO-001-PEDE-924-0001 | 003 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2703-1 |
| A96561 UO-001-PEDE-924-0001 | 003A | T96 ACOUSTIC TRANSDUCER | N/A |
| A96561 UO-001-PEDE-924-0001 | 004 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2704-1 |
| A96561 UO-001-PEDE-924-0001 | 004A | T96 ACOUSTIC TRANSDUCER 5m LEAD | N/A |
| A96561 UO-001-PEDE-924-0001 | 005 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2705-1 |
| A96561 UO-001-PEDE-924-0001 | 005A | T96 HEAD AMPLIFIER CARD (ACOUSTIC) | N/A |
| A96561 UO-001-PEDE-924-0001 | 006 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2706-1 |
| A96561 UO-001-PEDE-924-0001 | 006A | SYSTEM POWER SUPPLY UNIT 24Vdc/5A DIN RAIL MOUNT | N/A |
| A96561 UO-001-PEDE-924-0001 | 007 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2707-1 |
| A96561 UO-001-PEDE-924-0001 | 008 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2708-1 |
| A96561 UO-001-PEDE-924-0001 | 009 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2709-1 |
| A96561 UO-001-PEDE-924-0001 | 010 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2710-1 |
| A96561 UO-001-PEDE-924-0001 | 011 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2711-1 |
| A96561 UO-001-PEDE-924-0001 | 012 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2712-1 |
| A96561 UO-001-PEDE-924-0001 | 013 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2713-1 |
| A96561 UO-001-PEDE-924-0001 | 014 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2714-1 |

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| A96561 UO-001-PEDE-924-0001 | 015 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2715-1 |
| A96561 UO-001-PEDE-924-0001 | 016 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2716-1 |
| A96561 UO-001-PEDE-924-0001 | 017 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2717-1 |
| A96561 UO-001-PEDE-924-0001 | 018 | T96 HEAD AMPLIFIER UNIT (STRUCTURE BORNE) | 1-CA-XY-2718-1 |
| A96561 UO-001-PEDE-924-0001 | 019 | T96 HEAD AMPLIFIER UNIT (ACOUSTIC) | 1-CA-XY-2719-1 |
| A96561 UO-001-PEDE-924-0001 | 020 | T96 HEAD AMPLIFIER UNIT (ACOUSTIC) | 1-CA-XY-2720-1 |
| A96561 UO-001-PEDE-924-0001 | 021 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2701-1 |
| A96561 UO-001-PEDE-924-0001 | 022 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2702-1 |
| A96561 UO-001-PEDE-924-0001 | 023 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2703-1 |
| A96561 UO-001-PEDE-924-0001 | 024 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2704-1 |
| A96561 UO-001-PEDE-924-0001 | 025 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2705-1 |
| A96561 UO-001-PEDE-924-0001 | 026 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2706-1 |
| A96561 UO-001-PEDE-924-0001 | 027 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2707-1 |
| A96561 UO-001-PEDE-924-0001 | 028 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2708-1 |
| A96561 UO-001-PEDE-924-0001 | 029 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2709-1 |
| A96561 UO-001-PEDE-924-0001 | 030 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2710-1 |
| A96561 UO-001-PEDE-924-0001 | 031 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2711-1 |
| A96561 UO-001-PEDE-924-0001 | 032 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2712-1 |
| A96561 UO-001-PEDE-924-0001 | 033 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2713-1 |
| A96561 UO-001-PEDE-924-0001 | 034 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2714-1 |
| A96561 UO-001-PEDE-924-0001 | 035 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2715-1 |
| A96561 UO-001-PEDE-924-0001 | 036 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2716-1 |
| A96561 UO-001-PEDE-924-0001 | 037 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2717-1 |
| A96561 UO-001-PEDE-924-0001 | 038 | STRUCTURE BORNE TRANSDUCER WITH 5m LEAD | 1-CA-XE-2718-1 |
| A96561 UO-001-PEDE-924-0001 | 039 | T96 ACOUSTIC TRANSDUCER 5m LEAD | N/A |
| A96561 UO-001-PEDE-924-0001 | 040 | T96 ACOUSTIC TRANSDUCER 5m LEAD | N/A |
| A96561 UO-001-PEDE-924-0001 | 041 | T96 ACOUSTIC TRANSDUCER | 1-CA-XE-2719-1 |
| A96561 UO-001-PEDE-924-0001 | 042 | T96 ACOUSTIC TRANSDUCER | 1-CA-XE-2720-1 |
| A96561 UO-001-PEDE-924-0001 | 043 | STRUCTURE BORNE SENSOR PROBE | N/A |
| A96561 UO-001-PEDE-924-0001 | 044 | ACOUSTIC WAVE GUIDE ASSEMBLY | N/A |
| A96561 UO-001-PEDE-924-0001 | 045 | JUNCTION BOX ASSEMBLY | 1-CA-JBX-2701-1 |
| A96561 UO-001-PEDE-924-0001 | 046 | JUNCTION BOX ASSEMBLY | 1-CA-JBX-2702-1 |
| A96561 UO-001-PEDE-924-0001 | 047 | HEADPHONES | N/A |
| A96561 UO-001-PEDE-924-0001 | 049 | CALIBRATOR | N/A |
| A96561 UO-001-PEDE-924-0001 | 050 | FINAL INSTRUCTION MANUAL & WINDOWS XP PRO CD ROM | N/A |

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|---|---|---|---|
| A96561 UO-001-PEDE-924-0001 | 051 | LOUDSPEAKER BOX 48 CHANNEL | N/A |
| A96561 UO-001-PEDE-924-0001 | 052 | 19" RACK MOUNT PC WITH WINDOWS XP | N/A |
| A96561 UO-001-PEDE-924-0001 | 053 | 19" RACK MOUNT KEYBOARD & TRACKER BALL FOR PC | N/A |
| A96561 UO-001-PEDE-924-0002 | 054 | 17" TFT MONITOR FOR PC | N/A |
| A96561 UO-001-PEDE-924-0002 | 055 | SIGNAL ISOLATORS I/P 4-20mA O/P 4-20mA | N/A |
| A96561 UO-001-PEDE-924-0002 | 056 | CONTROL CABINET ASSEMBLY | 1-CA-CBC-2701-1 |
| A96561 UO-001-PEDE-924-0003 | 057 | PLANT INTERCONNECTION CABLE 5x2x0.5mm2 | N/A |
| A94985 UO-002-PEDE-100-462 | 038 | SPARE TUBING | CUSTOMER - SUPERHEATER |
| A94985 UO-002-PEDE-100-460 | 011 | SPARE TUBING | CUSTOMER - |
| A98839 UO-001-PEDE-880-0001 | 001 | Ceramic lined fuel inlt elbow | CB - 1 |
| A98839 UO-001-PEDE-880-0001 | 002 | Ceramic lined fuel inlt elbow | CB - 2 |
| A98839 UO-001-PEDE-880-0002 | 001 | Ceramic lined fuel inlt elbow | CB - 1 |
| A98839 UO-001-PEDE-880-0002 | 002 | Ceramic lined fuel inlt elbow | CB - 2 |
| A98839 UO-001-PEDE-880-0003 | 001 | Ceramic lined fuel inlt elbow | CB - 1 |
| A98839 UO-001-PEDE-880-0003 | 002 | Ceramic lined fuel inlt elbow | CB - 2 |
| A98839 UO-001-PEDE-880-0004 | 001 | Ceramic lined fuel inlt elbow | CB - 1 |
| A98839 UO-001-PEDE-880-0004 | 002 | Ceramic lined fuel inlt elbow | CB - 2 |

ɪN ASSETS
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| Order Number Description | Order Item Description | Alt Part |
|---|---|---|
| Pulverizers | PULV BOWL HUB/VANE WHEEL ASSY | 101-3266 |
| Pulverizers | PULV BOWL HUB/VANE WHEEL ASSY | 101-3266 |
| Windboxes | TT WINDBOX | 00506-1E4100 |
| ACOUSTIC PYROMETER | ACOUSTIC PYROMETER | 001045-a110p |
| ACOUSTIC PYROMETER | ACOUSTIC PYROMETER | 001250-ad |
| ACOUSTIC PYROMETER | ACOUSTIC PYROMETER | 001045-a110p |
| ACOUSTIC PYROMETER | ACOUSTIC PYROMETER | 1200 |
| ACOUSTIC PYROMETER | ACOUSTIC PYROMETER | 1200 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-016-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM COMMISSIONING SPARES | EA81-011-XXX |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-016-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM COMMISSIONING SPARES | EA81-005-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-016-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM COMMISSIONING SPARES | EA81-001-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-016-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM COMMISSIONING SPARES | EA81-010-XXX |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-016-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM COMMISSIONING SPARES | EA81-002-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-016-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM COMMISSIONING SPARES | SENG07/1270D |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-016-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-016-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-016-000 |
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| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-016-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-014-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-014-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-011-XXX |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-011-XXX |
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| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-011-XXX |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-010-XXX |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-010-XXX |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-001-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-001-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA83-016-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | N/A |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | SENG07/1270E |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | SENG07/1270E |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA83-002-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA83-001-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | 07/1270 |

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| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | EA81-018-000 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | SENG07/1270A |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | SENG07/1270A |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | SENG07/1270A |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | SENG07/1270B |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | SENG07/1270 |
| Steam Leak Detection System | STEAM LEAK DETECTION SYSTEM | SENG07/1270F |
| Headers, Pressure Parts | CUSTOMER SPARES | |
| Headers, Pressure Parts | CUSTOMER SPARES | |
| Ceramic-Lined Piping, Vents | CERAMIC LINED FUEL INLT ELBOW 90 DEG - COAL PIPE | |
| Ceramic-Lined Piping, Vents | CERAMIC LINED FUEL INLT ELBOW 90 DEG - COAL PIPE | |
| Ceramic-Lined Piping, Vents | CERAMIC LINED FUEL INLT ELBOW 90 DEG - COAL PIPE | |
| Ceramic-Lined Piping, Vents | CERAMIC LINED FUEL INLT ELBOW 90 DEG - COAL PIPE | |
| Ceramic-Lined Piping, Vents | CERAMIC LINED FUEL INLT ELBOW 90 DEG - COAL PIPE | |
| Ceramic-Lined Piping, Vents | CERAMIC LINED FUEL INLT ELBOW 90 DEG - COAL PIPE | |
| Ceramic-Lined Piping, Vents | CERAMIC LINED FUEL INLT ELBOW 90 DEG - COAL PIPE | |
| Ceramic-Lined Piping, Vents | CERAMIC LINED FUEL INLT ELBOW 90 DEG - COAL PIPE | |

| Vendor | Drawing | Storage Requirement | Order Quantity | Ship Quantity |
|---|---|---|---|---|
| ALSTOM POWER INC |  | E-Field Storage on Dunnage | 1 | 1 |
| ALSTOM POWER INC |  | E-Field Storage on Dunnage | 1 | 1 |
| ALSTOM POWER AIR PREHEATER | 00506-1E4100 | E-Field Storage on Dunnage | 1 | 1 |
| SCIENTIFIC ENVIRONMENTAL INSTRUMENTS | SEI-171108S04 | A-Insulated Bldg; Humid Ctrl | 4 | 4 |
| SCIENTIFIC ENVIRONMENTAL INSTRUMENTS | SEI-171108S04 | A-Insulated Bldg; Humid Ctrl | 1 | 1 |
| SCIENTIFIC ENVIRONMENTAL INSTRUMENTS | SEI-171108S04 | A-Insulated Bldg; Humid Ctrl | 4 | 4 |
| SCIENTIFIC ENVIRONMENTAL INSTRUMENTS | SEI-171108S04 | A-Insulated Bldg; Humid Ctrl | 4 | 4 |
| SCIENTIFIC ENVIRONMENTAL INSTRUMENTS | SEI-171108S04 | A-Insulated Bldg; Humid Ctrl | 4 | 4 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-030-M3 | B-Insulatd Bldg; No Humid Ctrl | 2 | 2 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | N/A | B-Insulatd Bldg; No Humid Ctrl | 2 | 2 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-012-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-012-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | N/A | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-009-M1 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |

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| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-003-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-013-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-013-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-030-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-030-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
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| PROCON ENGINEERING, LTD | 07-1270-030-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-030-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-030-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
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| PROCON ENGINEERING, LTD | 07-1270-030-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-012-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-012-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-012-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-012-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-061-M3 | B-Insulatd Bldg; No Humid Ctrl | 18 | 18 |
| PROCON ENGINEERING, LTD | 07-1270-012-M3 | B-Insulatd Bldg; No Humid Ctrl | 2 | 2 |
| PROCON ENGINEERING, LTD | 07-1270-006-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-006-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-010-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-014-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | N/A | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |

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| PROCON ENGINEERING, LTD | 07-1270-040-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-041-M3 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-009-M1 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-009-M1 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | 07-1270-033-M3 | B-Insulatd Bldg; No Humid Ctrl | 20 | 20 |
| PROCON ENGINEERING, LTD | 07-1270-009-M1 | B-Insulatd Bldg; No Humid Ctrl | 1 | 1 |
| PROCON ENGINEERING, LTD | N/A | B-Insulatd Bldg; No Humid Ctrl | 3000 | 3000 |
| ALSTOM POWER PTESI INDONESIA | NA | D-Protected Outdoor Area | 6 | 6 |
| ALSTOM POWER PTESI INDONESIA | NA | D-Protected Outdoor Area | 5 | 5 |
| DENSIT A/S |  | E-Field Storage on Dunnage | 4 | 4 |
| DENSIT A/S |  | E-Field Storage on Dunnage | 2 | 2 |
| DENSIT A/S |  | E-Field Storage on Dunnage | 4 | 4 |
| DENSIT A/S |  | E-Field Storage on Dunnage | 2 | 2 |
| DENSIT A/S |  | E-Field Storage on Dunnage | 4 | 4 |
| DENSIT A/S |  | E-Field Storage on Dunnage | 2 | 2 |
| DENSIT A/S |  | E-Field Storage on Dunnage | 4 | 4 |
| DENSIT A/S |  | E-Field Storage on Dunnage | 2 | 2 |

| Received Quantity | Received Damaged | Units | Order Source | Order Number | Order Item | ite MR Numbe |
|---|---|---|---|---|---|---|
| 1 | | EA | ALS | 93214 UO | 4 | MR-0392 |
| 1 | | EA | ALS | 93214 UO | 4 | MR-0396 |
| 1 | | EA | ALS | 95343 UO | 1 | MR-0983 |
| 4 | | EA | ALS | 100308 UO | 1 | MR-1341 |
| 1 | | EA | ALS | 100308 UO | 1 | MR-1341 |
| 4 | | EA | ALS | 100308 UO | 1 | MR-1341 |
| 4 | | EA | ALS | 100308 UO | 1 | MR-1341 |
| 4 | | EA | ALS | 100308 UO | 1 | MR-1341 |
| 1 | | EA | ALS | 96561 UO | 1 | MR-1471 |
| 2 | | EA | ALS | 96561 UO | 2 | MR-1471 |
| 1 | | EA | ALS | 96561 UO | 1 | MR-1471 |
| 2 | | EA | ALS | 96561 UO | 2 | MR-1471 |
| 1 | | EA | ALS | 96561 UO | 1 | MR-1471 |
| 1 | | EA | ALS | 96561 UO | 2 | MR-1471 |
| 1 | | EA | ALS | 96561 UO | 1 | MR-1471 |
| 1 | | EA | ALS | 96561 UO | 2 | MR-1471 |
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| 1 | | EA | ALS | 96561 UO | 2 | MR-1471 |
| 1 | | EA | ALS | 96561 UO | 1 | MR-1471 |
| 1 | | EA | ALS | 96561 UO | 2 | MR-1471 |
| 1 | | EA | ALS | 96561 UO | 1 | MR-1471 |
| 1 | | EA | ALS | 96561 UO | 1 | MR-1471 |
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| 1 | | EA | ALS | 96561 UO | 1 | MR-1471 |

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| 18 | | EA | ALS | 96561 UO | 1 | MR-1471 |
| 2 | | EA | ALS | 96561 UO | 1 | MR-1471 |
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| 1 | | EA | ALS | 96561 UO | 1 | MR-1471 |
| 20 | | EA | ALS | 96561 UO | 1 | MR-1471 |
| 1 | | EA | ALS | 96561 UO | 1 | MR-1471 |
| 3000 | | FT | ALS | 96561 UO | 1 | MR-1471 |
| 6 | | EA | ALS | 94985 UO | 83 | MR-1156 |
| 5 | | EA | ALS | 94985 UO | 83 | MR-1155 |
| 4 | | EA | ALS | 98839 UO | 1 | MR-0581 |
| 2 | | EA | ALS | 98839 UO | 1 | MR-0581 |
| 4 | | EA | ALS | 98839 UO | 1 | MR-0581 |
| 2 | | EA | ALS | 98839 UO | 1 | MR-0581 |
| 4 | | EA | ALS | 98839 UO | 1 | MR-0581 |
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| 4 | | EA | ALS | 98839 UO | 1 | MR-0581 |
| 2 | | EA | ALS | 98839 UO | 1 | MR-0581 |

| Comments | TCN | Len(in) |
|---|---|---|
| Removed bowl extension rings from pulverizer hub and vane wheel assebly | | |
| Removed bowl extension rings from pulverizer hub and vane wheel assebly | | |
| Complete coal nozzle assembly removed from burner #1, nozzle A elevation | | |
| Crate not opened | | |
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| Crate Not opened | | |
| Crate Not Opened | | |
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| Gross(lb) | Len(cm) | Gross(kg) | Wid(in) | Net(lb) | Wid(cm) | Net(kg) | Hgt(in) | Vol(cft) | Hgt(cm) | Vol(cmt) | Qty | QtyU |
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| Site MR Date | Loc Code |
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| 6/3/2008 | 1H |
| 6/3/2008 | 1H |
| 3/20/2009 | 5D |
| 8/17/2009 | CON30 |
| 8/17/2009 | CON30 |
| 8/17/2009 | CON30 |
| 8/17/2009 | CON30 |
| 8/17/2009 | CON30 |
| 3/12/2010 | WH-J1 |
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| 3/12/2010 | WH-I1 |
| 3/12/2010 | WH-I1 |
| 6/1/2009 | WH-B7 |
| 5/27/2009 | WH-B7 |
| 8/29/2008 | 1G |
| 8/29/2008 | 1G |
| 8/29/2008 | 1G |
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| 8/29/2008 | 1G |

## Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

**INFORMATION SUPPLIED BY OWNER**

## BOOSTER PUMP GUARANTEED AND EXPECTED PERFORMANCE

| | GUARANTEE POINT (MCR/OP) | | EXPECTED OPERATING POINT (100% Throttle/NP) | |
|---|---|---|---|---|
| Discharge Capacity | 5660 | gpm | 4918 | gpm |
| Discharge Pressure | 707.65 | psig | 723 | psig |
| Suction Pressure | 149 | psig | 146 | psig |
| Suction Water Temperature | 352 | deg F | 348.5 | deg F |
| Suction Water Specific Gravity | 0.890 | | 0.892 | |
| Total Differential Head | 1450 | ft | 1490 | ft |
| Pump Speed | 3570 | rpm | 3570 | rpm |

**EXPECTED OPERATING CONDITIONS**

| | | |
|---|---|---|
| NPSH Available @ Shaft Centerline (NPSH @ Normal Operating Conditions) | 68 | ft |
| NPSH Available @ Shaft Centerline (NPSH @ Transient Operating Conditions) | Later | ft |
| Min. Suction Pressure | 30 | psig |
| Min. Coincident Suction Water Temperature | 220 | deg F |
| Max. Suction Pressure | 190 | psig |
| Max. Coincident Suction Water Temperature | 375 | deg F |
| Min. Rise to Shutoff | 117.7 | % |
| Max. Rise to Shutoff | 129.8 | % |
| Parallel Operation (Yes/No) | Yes | |

**RADIAL/THRUST BEARING VIBRATION DETECTION**

| | |
|---|---|
| Manufacturer | Bently Nevada |

Probe and Proximeter Type

| | X | Y | Z |
|---|---|---|---|
| Pump | Yes | Yes | Yes |

| | |
|---|---|
| Key Phasor | by Contractor |
| Monitor Furnished | by Contractor |

**MATERIALS - ASTM NUMBER**

| | |
|---|---|
| Casing | ASTM A487 CA6NM |
| ~~Diffuser~~/Volute | ASTM A487 CA6NM |
| Shaft | ASTM A276, Type 410 HT |
| Impellers | ASTM A487 CA6NM |
| Wear Rings | ASTM A426 CPCA 15 |
| Shaft Sleeve - Mechanical Seal | Type 316 SS |

**DRIVERS**

| | |
|---|---|
| Furnished by | Contractor |
| Mounted by | Contractor |
| Drive Type | Motor Drive |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

### PIPING CONNECTIONS

| | Suction | Discharge | |
|---|---|---|---|
| ANSI Class | 300 | 600 | |
| End Type | Butt Weld | Butt Weld | |
| Size | 14.0 | 10.0 | in |
| Design Pressure | 250.0 | 1050.0 | psig |
| Design Temperature | 375.0 | 375.0 | deg F |
| Wall Thickness | Per ASME Section 8 Div 1 | Per ASME Section 8 Div 1 | in |
| C-Bore | Customer to Advise | Customer to Advise | in |

| | | |
|---|---|---|
| **INSTALLATION LOCATION** | Indoors | |
| **INSULATION AND LAGGING** | Yes | |
| Max. Surface Temperature | 140 | deg F |

### SEAL INJECTION WATER

| | | |
|---|---|---|
| Pressure | N/A | psig |
| Temperature | N/A | deg F |

### PUMP BEARINGS

| | **RADIAL** | **THRUST** | |
|---|---|---|---|
| Type | Sleeve | Kingsbury | |
| Lubrication | Forced Feed | Forced Feed | |

### MOTOR BEARINGS

| | **RADIAL** | **THRUST** | |
|---|---|---|---|
| Type | See Motor Data Sheet | See Motor Data Sheet | |
| Lubrication | See Motor Data Sheet | See Motor Data Sheet | |

## BOILER FEEDWATER PUMP GUARANTEED AND EXPECTED PERFORMANCE

| | **GUARANTEE POINT (MCR/OP)** | | **EXPECTED OPERATING POINT (100% Throttle/NP)** | |
|---|---|---|---|---|
| Main Suction Capacity | 5440 | gpm | 4852 | gpm |
| Main Discharge Capacity | 5440 with IP Closed | gpm | 4852 | gpm |
| Main Discharge Pressure | 4769.1 with IP Closed | psig | 4300 | psig |
| Suction Pressure | 669 | psig | By Customer - Customer needs to advise suction pressure to Booster Pumps when Booster Pump is operating at 4852 gpm, Booster Pump TDH will be ~1505 Feet at 4852 gpm and also all of the losses between the booster pump and BFP) | psig |
| Suction Water Temperature | 354 | deg F | 350.5 | deg F |
| Suction Water Specific Gravity | 1 | | 0.893 | |
| Total Differential Head at Discharge | 10630 with IP Closed | ft | by Customer Later | ft |
| Min. / Max IP Discharge Capacity | 0 / 435 | gpm | 0 | gpm |
| Min. IP Discharge Pressure | 1675 - 2035.6 with IP Closed | psig | NA | psig |
| Min. IP Total Differential Head | 2560 - 3543 with IP Closed | ft | NA | ft |
| Pump Speed | 5500 | rpm | by Contractor Later | rpm |

# Boiler Feedwater Pump Datasheet

| | | | | | | |
|---|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | | |

## EXPECTED OPERATING CONDITIONS

| | | |
|---|---|---|
| NPSH Available @ Shaft Centerline (NPSH @ Normal Operating Conditions) | 1425.0 | ft |
| NPSH Available @ Shaft Centerline (NPSH @ Transient Operating Conditions) | Later | ft |
| Max. IP Discharge Capacity | 435.00 | gpm |
| Min. IP Rise to Shutoff | 120 | % |
| Max. IP Rise to Shutoff | 134.2 | % |
| Min. HP Rise to Shutoff | 120 | % |
| Max. HP Rise to Shutoff | 134.2 | % |
| Min. Suction Pressure | 560.0 | psig |
| Min. Coincident Suction Water Temperature | 220.0 | deg F |
| Max. Suction Pressure | 1050.0 | psig |
| Max. Coincident Suction Water Temperature | 375.0 | deg F |
| Parallel Operation (Yes/No) | Yes | |

## RADIAL/THRUST BEARING VIBRATION DETECTION

| | |
|---|---|
| Manufacturer | Bently Nevada |

Probe and Proximeter Type

| | X | Y | Z |
|---|---|---|---|
| Pump | Yes | Yes | Yes |

| | |
|---|---|
| Key Phasor | by Owner |
| Monitor Furnished | by Owner |

## MATERIALS - ASTM NUMBER

| | |
|---|---|
| Outer Barrel | ASTM A336, Class F11 without stainless steel inlays |
| Inner Casing | ASTM A487 CA6NM |
| Diffuser/~~Volute~~ | ASTM A487 CA6NM |
| Shaft | ASTM A276, Type 410 Cond. T |
| Impellers | ASTM A217 Gr CA-15 (mod)/ A487 Gr. CA-6NM With DLD (Hard Coated Hubs) |
| Wear Rings | AISI Type 416 HT (BHN - 353/415) |
| Shaft Sleeve - Injection Seal | AISI Type 416 with DLD (Hard Coated) |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | | **DS NO:** | PEDE-1-DS-151101-0001 | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | |
| **PLANT LOC:** | Pamplico SC | | **REV:** | 1 | **DATE:** 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

### DRIVERS

| | | |
|---|---|---|
| Furnished by | Owner | |
| Mounted by | Owner | |
| Drive Type | Turbine Drive | |
| Turbine Speed @ MCR/OP | 5500/Later | rpm |
| Overspeed Trip | 6050 | rpm |
| Pump Rotation | The boiler feedwater pump rotation shall be CCW when viewed from the coupling end as defined by the Hydraulic Institute. | |

### MAIN PIPING CONNECTIONS

| | Suction | Main Discharge | Interstage Bleed | |
|---|---|---|---|---|
| ANSI Class | NA | NA | NA | |
| End Type | Butt Weld | Butt Weld | Butt Weld | |
| Size | 18.0 | 16.0 | 4.0 | in |
| Design Pressure | 1050 | 7550 | 3200 | psig |
| Design Temperature | 375 | 375 | 375 | deg F |
| Wall Thickness | Per ASME Section 8 Div 1 | Per ASME Section 8 Div 1 | Per ASME Section 8 Div 1 | in |
| C-Bore | Customer to Advise | Customer to Advise | Customer to Advise | in |

| | | |
|---|---|---|
| **INSTALLATION LOCATION** | Indoors | |
| **INSULATION** | Yes | |
| Max. Surface Temperature | 140 | deg F |

### Seal Injection Water

| | |
|---|---|
| Pressure | 25 psig above booster pump suction pressure |
| Temperature | $90^{o}$F to $120^{o}$F |

### PUMP BEARINGS

| | RADIAL | THRUST | |
|---|---|---|---|
| Type | Triland Sleeve | Kingsbury | |
| Lubrication | Forced Feed | Forced Feed | |

## STARTUP BOILER FEEDWATER PUMP GUARANTEED PERFORMANCE

| | GUARANTEE POINT | |
|---|---|---|
| Discharge Capacity | 1200 | gpm |
| Discharge Pressure | 2680.97 | psig |
| Suction Pressure | 24 | psig |
| Suction Water Temperature | 212.0 | deg F |
| Suction Water Specific Gravity | 0.959 | |
| Total Differential Head | 6400 | ft |
| Pump Speed | 3580 (not guaranteed) | rpm |
| NPSH Available @ Shaft Centerline (NPSH @ Normal Operating Conditions) | 58.0 | ft |
| NPSH Available @ Shaft Centerline (NPSH @ Transient Operating Conditions) | Later | ft |
| Min. HP Rise to Shutoff | 120 | % |
| Max. HP Rise to Shutoff | 139.5 | % |
| Min. Suction Pressure | 24.0 | psig |
| Min. Coincident Suction Water Temperature | 212.0 | deg F |
| Max. Suction Pressure | 190.0 | psig |
| Max. Coincident Suction Water Temperature | 375.0 | deg F |
| Parallel Operation (Yes/No) | No | |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B,  1-FW-P-1002A & B, 1-FW-P-1003 | | |

## RADIAL/THRUST BEARING VIBRATION DETECTION

| | |
|---|---|
| Manufacturer | Bently Nevada |

Probe and Proximeter Type

| | **X** | **Y** | **Z** |
|---|---|---|---|
| Pump | Yes | Yes | Yes |

| | |
|---|---|
| Key Phasor | by Contractor |
| Monitor Furnished | by Contractor |

## MATERIALS - ASTM NUMBER

| | |
|---|---|
| Outer Barrel | ASTM A336, Class F11 without stainless steel inlays |
| Inner Casing | ASTM A487 CA6NM |
| Diffuser/~~Volute~~ | ASTM A487 CA6NM |
| Shaft | ASTM A276, Type 410 Cond. T |
| Impellers | ASTM A217 Gr CA-15 (mod)/  A487 Gr. CA-6NM with laser hardened hub |
| Wear Rings | AISI Type 416 HT  (BHN - 353/415) |
| Shaft Sleeve - Mechanical Seal | 316 stainless steel |

## DRIVERS

| | |
|---|---|
| Furnished by | by Contractor |
| Mounted by | by Contractor |
| Drive Type | Motor Drive |

## PIPING CONNECTIONS

| | Suction | Main Discharge | |
|---|---|---|---|
| ANSI Class | NA | NA | |
| End Type | Butt Weld | Butt Weld | |
| Size | ~~8~~ 6 | ~~6~~ 4 | in |
| Design Pressure | 250 | ~~Later~~ 4370 | psig |
| Design Temperature | 375 | 375 | deg F |
| Wall Thickness | Per ASME Section 8 Div 1 | Per ASME Section 8 Div 1 | in |
| C-Bore | Customer to Advise | Customer to Advise | in |

| | | |
|---|---|---|
| **INSTALLATION LOCATION** | Indoors | |
| **INSULATION** | Yes | |
| Max. Surface Temperature | 140 | deg F |

## Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | | **DS NO:** | PEDE-1-DS-151101-0001 | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | |
| **PLANT LOC:** | Pamplico SC | | **REV:** | 1 | **DATE:** 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

**Seal Injection Water**

| | |
|---|---|
| Pressure | N/A |
| Temperature | N/A |

**PUMP BEARINGS**

| | RADIAL | THRUST |
|---|---|---|
| Type | Sleeve | Kingsbury |
| Lubrication | Forced Feed | Forced Feed |

## BOILER FEEDWATER EXPECTED CHEMISTRY

| | Range | |
|---|---|---|
| pH | 8.0 to 9.3 | |
| Conductivity | <5 | mS/cm at 25°C |
| Silica | <10 | ppb |
| Ammonia | 0 to 550 | ppb |
| Disolved Oxygen | 50 to 150 | ppb |
| Sodium | <3 | ppb |

## OTHER ACCESSORIES (TO BE SUPPLIED AS MARKED)

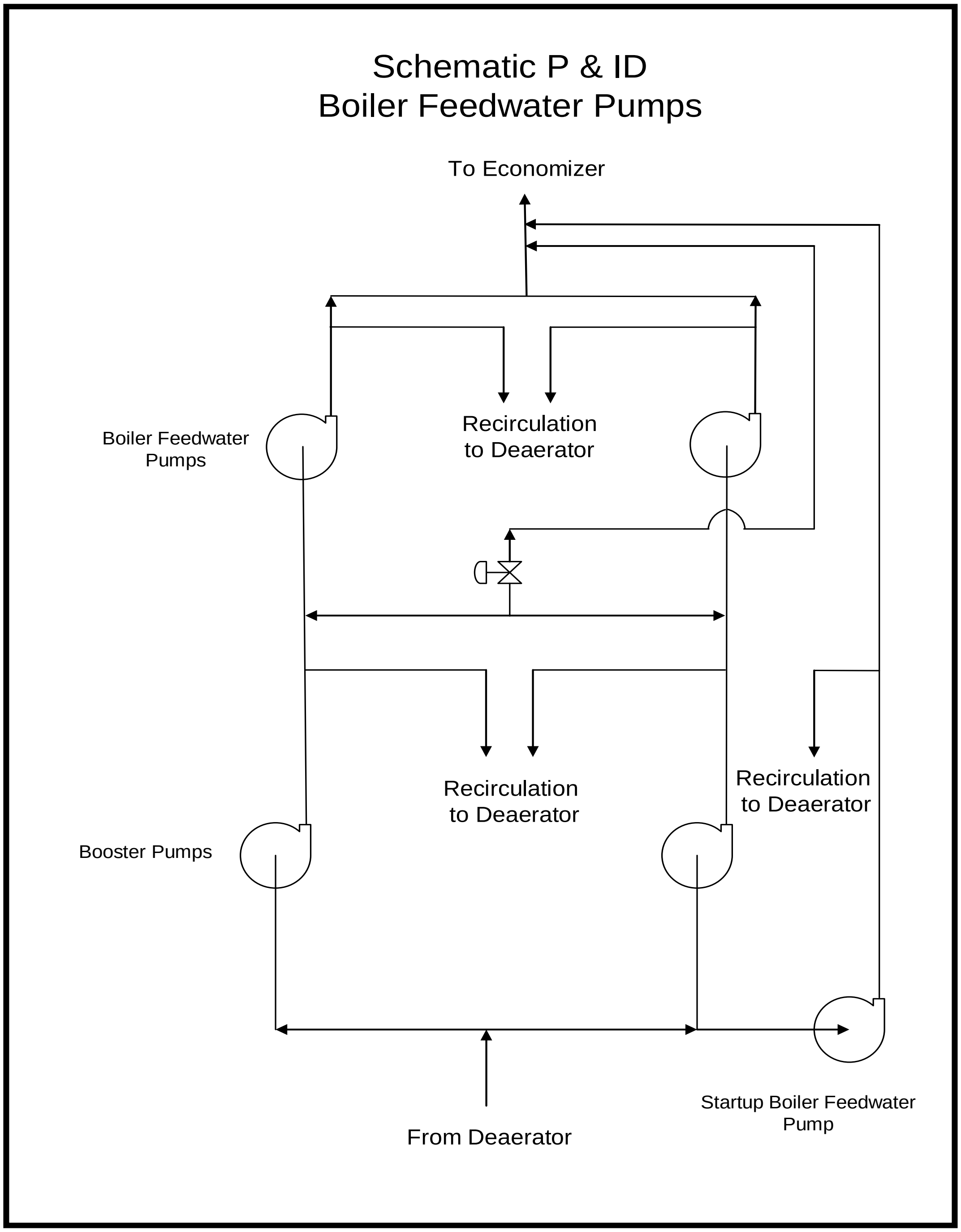
| | |
|---|---|
| Coupling Guard | Yes (except for BFP) |
| Base Plate | Yes |
| Injection Seal Piping and Controls | Yes (for BFP Only) |
| Drip Pan | Yes |
| Warmup Orifice | Yes |
| Integral Lube Oil Piping | Yes |
| Casing Drains and Vents | Yes (as indicated in FPD's Proposal) |

## TESTS

| | |
|---|---|
| Hydrotest | Witness |
| Performance | Witness |
| Acoustic (readings only) | Witness |
| NPSH Required | Witness |
| Vibration | Witness |
| Electrical | Witness |
| Automatic Minimum Flow Recirc Valve Required? | Not by FPD (Required to be supplied by Customer) |

## Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | | **DS NO:** | PEDE-1-DS-151101-0001 | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | |
| **PLANT LOC:** | Pamplico SC | | **REV:** | 1 | **DATE:** 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |



# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

### INFORMATION SUPPLIED BY CONTRACTOR

## BOOSTER PUMP INFORMATION

| | |
|---|---|
| Type | |
| Model Number | |

### GUARANTEED AND EXPECTED PERFORMANCE

| | GUARANTEED (AT DESIGN POINT) | | EXPECTED (AT NORMAL OPERATING POINT) | |
|---|---|---|---|---|
| Suction Capacity | ~~5520~~ 5660 | gpm | 4918 | gpm |
| Discharge Capacity | ~~5520~~ 5660 | gpm | 4918 | gpm |
| Total Differential Head | 1450 | ft | ~~1490 1510~~ 1523 | ft |
| Efficiency | ~~79.3~~ 79.5 | % | 76.5 | % |
| BHP | ~~2270 2263~~ 2320 | hp | ~~2158 2187~~ 2206 | hp |
| NPSHR | ~~40.8~~ 42.6 | ft | 37 | ft |
| Shutoff Head | ~~1614.2 1778.7~~ 1792 | ft | ~~1614.2 1778.7~~ 1792 | ft |
| Speed | 3570 | rpm | 3570 | rpm |
| Flow as % of BEP | ~~85.6 84.6~~ 86.8% | ~~gpm~~ | ~~76.28~~ 75.41% | ~~gpm~~ |

### EXPECTED PERFORMANCE

| | | |
|---|---|---|
| Minimum Flow Required | 2500 | gpm |
| Maximum Runout Flow | ~~6624~~ 6792 (Basis 120% Rated Flow) | gpm |
| BHP Maximum at Runout | ~~2478 2408~~ 2450 +/-5% with SG = .89 | hp |
| ~~Suction Specific~~ Speed at Design Point | 3570 | rpm |
| Rise to Shutoff | ~~11.3 122.8~~ 123.6 | % |
| Impeller Diameter | ~~19 18.98~~ 19.05 | in |
| Radial Clearance Impeller OD-~~Diffuser/~~Volute Tongue | FPD Standard | in |
| Max. Allowable Casing Pressure | 1050 | psig |
| Max. Allowable Casing Temperature (Differential on Startup) | Later | deg F |
| Design Casing Pressure | 1050 | psig |
| Design Casing Temperature | 375 | deg F |
| Maximum Allowable Suction Temperature Transient | Later | deg F |
| Max. Allowable Casing DifferentialTemperature on Start-Up | Later | deg F |
| Hydrostatic Test Pressure | Discharge1575 | psig |
| Min. Rise to Shutoff | ~~120 106.3 116.5~~ 117.7 | % |
| Max. Rise to Shutoff | ~~125 128.8~~ 129.8 | % |
| Pump Inertia (wR^2 dry) | 120 | LB-Ft$^2$ |
| Pump Inertia (wR^2 wet) | 130 | LB-Ft$^2$ |

### MATERIALS

| | |
|---|---|
| Casing | ASTM A487 CA6NM |
| ~~Diffuser/~~Volute | ASTM A487 CA6NM |
| Impeller | ASTM A487 CA6NM |
| Shaft | ASTM A276, Type 410 HT |
| Shaft Sleeve - Mechanical Seal | Type 316 SS |
| Seal Sleeve | N/A |
| Seal Bushing | N/A |
| Casing Wear Rings | ASTM A426 CPCA 15 |
| Baseplate | ASTM A36 |
| Gaskets | 316 S.S. sprial wound |
| External Pressure Bolts/Nuts | ASTM A193 B7 / ASTM A 194 2H |
| Internal Pressure Bolts/Nuts | 400 Series SS |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

### BEARINGS

| | RADIAL | THRUST | |
|---|---|---|---|
| Type | Sleeve | Kingsbury | |
| Lubrication | Force Feed Oil | Force Feed Oil | |
| Thermocouples | One Each Radial Bearing | One on the Thrust Bearing | |

### WEIGHT:

| | | |
|---|---|---|
| Pump | Later | lb |
| Complete skid | Later | lb |
| Rotor | Later | lb |
| Heaviest Lift (Installation) | Later | lb |
| Heaviest Lift (Maintenance) | Later | lb |

### WARMUP ORIFICE(S)

| | | |
|---|---|---|
| Quantity | NA | |
| Size | NA | in |
| Flow | NA | gpm |
| Pressure Drop | NA | psig |

### SEAL WATER CONNECTIONS

| | | |
|---|---|---|
| Quantity | N/A internal to pump | |
| End Type | N/A internal to pump | |
| Size | N/A internal to pump | in |

### INJECTION SEAL COOLING WATER REQUREMENTS

| | | |
|---|---|---|
| Seal Injection Flow | N/A | gpm |
| Maximum Inlet Temperature | N/A | deg F |
| Maximum Inlet Pressure | N/A | psig |
| Minimum Inlet Pressure | N/A | psig |
| Temperature Rise | N/A | deg F |
| Heat Load | N/A | BTU/hr |
| Pressure Drop | N/A | psig |

### LUBRICATING OIL SYSTEM

| | | |
|---|---|---|
| Reservoir Capacity | See Lube Oil Cosole Quote | gallons |
| Oil Flow Rate | Pump requires ~~3.3~~ 6.6gpm / See motor quote for required motor oil flow rate as it varies with motor mfr's | gpm |
| Oil Pressure Required (At pump and motor interface connection) | Nominal 20 psig (Minimum 15 psig/Maximum 25 psig) | psig |
| Oil Temperature Rise | Varies (note: the desired oil outlet temperature is 120$^{o}$F, with an alarm set at 140$^{o}$F and the trip setting when it reaches 160$^{o}$F) | deg F |
| Total Heat Load | Pump requires ~~6714~~ 6489 BTU/Hr / See motor quote for required motor Heat Load as it varies with motor mfr's | BTU/hr |
| Reservoir Heater | See Lube Oil Cosole Quote | kW |
| Cooling Water Flow Rate | See Lube Oil Cosole Quote | gpm |
| Main/Auxiliary Oil Pump-Make and Model Number | / See Lube Oil Console Quote | |
| Main/Auxiliary Oil Pump Motor-Make and Model Number | NA - Shaft driven by Pump / See Lube Oil Cosnsole Quote | |
| Main/Auxiliary Oil Pump Motor Size | NA - Shaft driven by Pump / See Lube Oil Console Quote | hp |
| | | |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

## CONSTRUCTION

### PUMP CONNECTIONS

| | Suction | Discharge | |
|---|---|---|---|
| Size | 14 | 10 | in |
| ANSI Class Flange or Schedule | N/A | N/A | |
| Weld End | Weld End | Weld End | |
| Orientation | Top | Top | |

| | Units | ALLOW. REACTION (HOT) | | ALLOW. REACTION (COLD) | |
|---|---|---|---|---|---|
| | | Suction | Discharge | Suction | Discharge |
| F, AXIAL | lb | 1600 | 1200 | 1600 | 1200 |
| F, VERTICAL | lb | 2000 | 1500 | 2000 | 1500 |
| F, TRANSVERSE | lb | 1300 | 1000 | 1300 | 1000 |
| M, AXIAL | ft lbs | 4700 | 3700 | 4700 | 3700 |
| M, VERTICAL | ft lbs | 3500 | 2800 | 3500 | 2800 |
| M, TRANSVERSE | ft lbs | 2300 | 1800 | 2300 | 1800 |

| | | |
|---|---|---|
| Impeller Wear Ring Radial Clearance (Eye Side) | FPD Standard | in |
| Injection Seal Radial Clearance | N/A | in |
| Shaft Diameter-At Eye | 3.94 | in |
| Shaft Diameter-Under Impeller Hub | 3.94 | in |
| Bearing Span | 41.53 | in |

### CRITICAL SPEEDS

| | |
|---|---|
| First | Later |
| Second | Later |

### PUMP SKID DIMENSIONS

| | | |
|---|---|---|
| Length | See Pump GA and Motor Quote | in |
| Width | See Pump GA and Motor Quote | in |
| Height | See Pump GA and Motor Quote | in |
| Weight | See Pump GA and Motor Quote | lbs |

### MAINTENANCE

| | | |
|---|---|---|
| Space Required to Replace Rotor | Later | in |
| Time required to replace rotor assembly (2 persons) | Later | hr |

## BOILER FEEDWATER PUMP INFORMATION

| | |
|---|---|
| Type | Horizontal, Double Case, Barrel Pump |
| Model Number | CHTA |
| Size | ~~75~~ 80 |
| Number of Stages | 6 |
| Suction Stage (Single/Twin) | Single |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

## GUARANTEED AND EXPECTED PERFORMANCE

| | GUARANTEED (AT DESIGN POINT) | | EXPECTED (AT NORMAL OPERATING POINT) | |
|---|---|---|---|---|
| Suction Capacity | 5440 | gpm | 4852 | gpm |
| Main Discharge Capacity | 5440 with IP closed | gpm | 4852 | gpm |
| IP Discharge Capacity | 0 (Closed) | gpm | 0 | gpm |
| Main Discharge Pressure | 4769.1 | psig | 4300 | psig |
| IP Discharge Pressure | 1675 - 2035.6 with IP Closed | psig | Later* (*Customer needs to advise suction pressure to booster pump and any looses between the booster pump and BFP)) | psig |
| Total Differential Head, Main Disch | 10630 with IP Closed | ft | Later * | ft |
| Total Differential Head, Inter. Press | 2560 - 3543 with IP Closed | ft | Later * | ft |
| Efficiency | 85% with IP Closed | % | Later* | % |
| BHP | ~~15, 307~~ 15,308 with IP Closed | hp | Later* | hp |
| NPSHR w/ IP ~~Open~~ Closed (Or Opened as noted) | ~~120~~ 129 feet basis suction capacity of 5440 gpm (or Note: if the IP is opened to an IP capacity open to 435 gpm and discharge capacity is reduced to 5005 gpm and 5800 rpm) | ft | Later* | ft |
| Shutoff Head - HP | ~~13655.4 +/-8%~~<br>13,206 +8%/-4.3% | ft | Later* | ft |
| Shutoff Head - IP | ~~4551.8 +/-8%~~<br>4402 +8%/-4.3% | ft | Later* | ft |
| Speed | ~~5800~~ 5500 | rpm | Later* | rpm |
| Flow as % of BEP | ~~106~~ 87% | ~~gpm~~ | Later* | gpm |

## EXPECTED PERFORMANCE

| | | |
|---|---|---|
| Minimum Flow Required | ~~1283~~ 1565 at rated speed (~~5800~~ 5500rpm) | gpm |
| Maximum Runout Flow | 6528 (Basis 120% rated flow) | gpm |
| BHP Maximum at Runout | ~~15818~~ 15612 +/-5% with a SG = .891) | hp |
| BHP Maximum at 110% Overspeed at Runout | ~~21054~~ 20780 +/-5% with a SG = .891 | hp |
| IP Rise to Shutoff | ~~128.5 +/-8%~~ 124.3 +8% / -4.3% | % |
| HP Rise to Shutoff | ~~128.5 +/-8%~~ 124.3 +8% / -4.3% | % |
| ~~Suction Specific~~ Speed at Design Point | ~~5800~~ 5500 | rpm |
| Suction Impeller Diameter | ~~13.78~~ 14.107 | in |
| Normal Stage Impeller Diameter | ~~13.78~~ 14.107 | in |
| Radial Clearance Impeller OD-Diffuser/~~Volute~~ Tongue | FPD Standard 0.5643 | in |
| Max. Allowable Casing Pressure | Discharge ~~7750~~ 7550 / Suction 1050 | psig |
| Max. Allowable Casing Temperature (Differential on Startup) | 50 | deg F |
| Design Casing Pressure | Discharge ~~7750~~ 7550 / Suction 1050 | psig |
| Design Casing Temperature | 375 | deg F |
| Max. Safe Operating Speed | ~~6380~~ 6050 Overspeed Trip | rpm |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | | **DS NO:** | PEDE-1-DS-151101-0001 | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | |
| **PLANT LOC:** | Pamplico SC | | **REV:** | 1 | **DATE:** 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

| | | |
|---|---|---|
| Max. NPSHA Transient Pump can withstand | >/= NPSHR (Varies with speed and flow) | ft |
| Maximum Allowable Suction Temperature Transient | Recommend cool-down per minute 10$^{o}$F and warm-up per minute 2$^{o}$F | deg F |
| Max. Allowable Casing DifferentialTemperature on Start-Up | 50 | deg F |
| Hydrostatic Test Pressure | Dishcarge ~~11625~~ 11325 / Suction 1575 | psig |
| Pump Inertia (wR^2 dry) | ~~53.4~~ 189 | LB-FT$^2$ |
| Pump Inertia (wR^2 wet) | ~~58~~ 205 | LB-FT$^2$ |
| **MATERIALS** | | |
| Outer Casing | ASTM A336 Class F11 | |
| Inner Casing | ASTM A487 Gr CA-6NM | |
| Diffuser~~/Volute~~ | ASTM A487 Gr CA-6NM | |
| Rotating Balancing Device | Balance Drum - AISI Type 416 HT (BHN 262/302) | |
| Stationary Balancing Device | Balancing Sleeve - AISI Type 416 HT(BHN 353/415) | |
| Impellers | ASTM A217 Gr CA-15 (mod)/ A487 Gr. CA-6NM BHN (275/326)/ BHN (248) | |
| Shaft | ASTM A276 Type 410 Cond.T | |
| Shaft Sleeve | N/A | |
| Seal Sleeve | AISI Type 416 HT (BHN - 353/415) | |
| Seal Bushing | AISI Type 416 HT (BHN - 353/415) | |
| Casing Wear Rings | AISI Type 416 HT (BHN - 353/415) | |
| Baseplate | ASTM A36 | |
| Gaskets | Barrel to Discharge Head Flexitallic/S-316-9 | |
| External Pressure Bolts/Nuts | ASTM A193 Gr. B7 / ASTM A194 Gr. 2H | |
| Internal Pressure Bolts/Nuts | ~~Later~~ 400 Series SS | |

| **BEARINGS** | | | |
|---|---|---|---|
| | **RADIAL** | **THRUST** | |
| Type | Triland Sleeve | Kingsbury | |
| Lubrication | Forced Feed Oil | Force Feed Oil | |
| Thermocouples | One Each Radial Bearing | One on the Thrust Bearing | |

| **WEIGHT:** | | |
|---|---|---|
| Pump | ~~18060~~ 38860 | lb |
| Complete skid | ~~5000~~ 5200 | lb |
| Inner Assembly | ~~4000~~ 8400 | lb |
| Heaviest Lift (Installation) | ~~23060~~ 38860 | lb |
| Heaviest Lift (Maintenance) | ~~4000~~ 8400 | lb |
| **WARMUP ORIFICE(S)** | | |
| Quantity | One to serve Both BFP's and Booster Pumps | |
| Size | ~~Later~~ 2 | in |
| Flow | ~~85~~ 100 | gpm |
| Pressure Drop | ~~Later~~ Customer to Advise | psig |
| **BALANCING ORIFICE(S)** | | |
| Quantity | One per pump, if required | |
| Size | 1 to 1 1/2 | in |
| Flow | ~~75-105~~ 90-110 | gpm |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

### SEAL WATER CONNECTIONS

| | | |
|---|---|---|
| Quantity | One Supply and One Drain and One Bleed-off | |
| End Type | Flanged | |
| Size | Several (Varies in sizes) | in |

### INJECTION SEAL COOLING WATER REQUREMENTS

| | | |
|---|---|---|
| Seal Injection Flow | ~~Later~~ 30 - 50 per box (note bleed-off 40 to 60 per box, and drain 40 to 60 per box) | gpm |
| Maximum Inlet Temperature | 90 to ~~110~~ 120 | deg F |
| Maximum Inlet Pressure | ~~25 psi above maximum suction pressure~~ - Customer to Advise | psig |
| Minimum Inlet Pressure | 25 psig above ~~minimum~~ booster pump suction pressure | psig |
| Temperature Rise | Varies (Maximum 160$^{o}$F) | deg F |
| Heat Load | Varies | BTU/hr |
| Pressure Drop | Varies | psig |

### BALANCING DEVICE LEAKOFF LINE(S)

| | | |
|---|---|---|
| Quantity | One | |
| Size | ~~Later~~ 2 | in |
| Flow | ~~75 to 85~~ 90 to 110 | gpm |

### LUBRICATING OIL SYSTEM

| | | |
|---|---|---|
| Provided by | Owner | |
| Oil Flow Rate Required | ~~10.5~~ 19.5 at rated speed | gpm |
| Oil Pressure Required (At interface connection) | Nominal 20 (Minimum 15 / Maximum 25) | psig |
| Oil Temperature Rise | Varies (note: the desired oil outlet temperature is 120$^{o}$F, with an alarm set at 140$^{o}$F and the trip setting when it reaches 160$^{o}$F) | deg F |
| Total Heat Load | ~~44600~~ 82780 at rated speed | BTU/hr |

### CONSTRUCTION

### PUMP CONNECTIONS

| | Suction | Discharge | Bleed | |
|---|---|---|---|---|
| Size | ~~14~~ 18 | ~~12~~ 16 | 4 | in |
| ANSI Class Flange or Schedule | Sch 60 | Sch Special | Sch Special | |
| Weld End | Butt Weld End | Butt Weld End | Butt Weld End | |
| Orientation | Bottom | Top | Top | |

| | | **ALLOW. REACTION (HOT)** | | | **ALLOW. REACTION (COLD)** | | |
|---|---|---|---|---|---|---|---|
| | **Units** | **Suction** | **Discharge** | **Bleed** | **Suction** | **Discharge** | **Bleed** |
| F, AXIAL | lb | 7000 | 7000 | 320 | 7000 | 7000 | 320 |
| F, VERTICAL | lb | 7000 | 7000 | 400 | 7000 | 7000 | 400 |
| F, TRANSVERSE | lb | 7000 | 7000 | 260 | 7000 | 7000 | 260 |
| M, AXIAL | ft lbs | 20000 | 20000 | 980 | 20000 | 20000 | 980 |
| M, VERTICAL | ft lbs | 20000 | 20000 | 740 | 20000 | 20000 | 740 |
| M, TRANSVERSE | ft lbs | 20000 | 20000 | 1330 | 20000 | 20000 | 1330 |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | | **DS NO:** | PEDE-1-DS-151101-0001 | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | |
| **PLANT LOC:** | Pamplico SC | | **REV:** | 1 | **DATE:** 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

| | | |
|---|---|---|
| Suction Impeller Wear Ring Radial Clearance (Eye Side) | ~~0.013 / 0.018~~ .014 / .016 | in |
| Suction Impeller Wear Ring Radial Clearance (Hub Side) | ~~0.013 / 0.018~~ .014 / .016 | in |
| Normal Stage Impeller Wear Ring Radial Clearance (Eye Side) | ~~0.013 / 0.018~~ .014 / .016 | in |
| Normal Stage Impeller Wear Ring Radial Clearance (Hub Side) | ~~0.013 / 0.018~~ .014 / .016 | in |
| Injection Seal Radial Clearance | 0.012 / 0.016 | in |
| Balance Device Radial Clearance | ~~0.013 / 0.018~~ .014 / .016 | in |
| Balance Device Axial Clearance | Varies (Self Compensating) | |
| Shaft Diameter-At Eye | ~~4.875~~ 6 1/4 | in |
| Shaft Diameter-Under Impeller Hub | ~~4.875~~ 6 1/4 | in |
| Bearing Span | ~~77.125~~ 85.5 | in |

### CRITICAL SPEEDS

| | |
|---|---|
| First | >/=~~7250~~ 7260 rpm (wet) |
| Second | >/=~~7450~~ 7460 rpm (wet) |

### PUMP SKID DIMENSIONS

| | | |
|---|---|---|
| Length | See Pump GA | in |
| Width | See Pump GA | in |
| Height | See Pump GA | in |
| Weight | later | lbs |

### MAINTENANCE

| | | |
|---|---|---|
| Space Required to Replace Inner Assembly | See Pump GA | in |
| Time required to replace inner rotating assembly (2 persons) | Varies with Tools and Personel | hr |

## STARTUP BOILER FEEDWATER PUMP INFORMATION

| | |
|---|---|
| Type | Horizontal, Double Case, Barrel Pump |
| Model Number | CSB |
| Size | 4X12 |
| Number of Stages | 12 |
| Suction Stage (Single/Twin) | Single |

### GUARANTEED PERFORMANCE

| | GUARANTEED (AT DESIGN POINT) | |
|---|---|---|
| Capacity | 1200 | gpm |
| Discharge Pressure | 2680.97 | psig |
| Total Differential Head | 6400 | ft |
| Efficiency | 76.6 | % |
| BHP | 2429 | hp |
| NPSHR | 30.9 | ft |
| Shutoff Head | 8417.1 +/-8% | ft |
| Speed | 3580 | rpm |
| Flow as % of BEP | 97.5 | % |
| Minimum Flow Required | 308 | gpm |
| Maximum Runout Flow | 1440 (Basis 120% Rated flow) | gpm |
| BHP Maximum at Runout | 2504 +/- 5% | hp |
| Head Rise to Shutoff | 131.5 +/-8% | % |
| ~~Suction Specific~~ Speed at Design Point | 3580 | rpm |
| Suction Impeller Diameter | 12.5 | in |
| Normal Stage Impeller Diameter | 12.5 | in |
| Radial Clearance Impeller OD-Diffuser~~/Volute~~ Tongue | FPD Standard 0.5073 | in |
| Max. Allowable Casing Pressure | Discharge 4370 / Suction 250 | psig |
| Max. Allowable Casing Temperature (Differential on Startup) | 50 | deg F |
| Design Casing Pressure | Discharge 4370 / Suction 250 | psig |
| Design Casing Temperature | 375 | deg F |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

| | | |
|---|---|---|
| Max. Safe Operating Speed | 3600 | rpm |
| Max. NPSHA Transient Pump can withstand | >/= NPSHR Varies with Flow | ft |
| Maximum Allowable Suction Temperature Transient | Recommend cool-down per minute 10°F and warm-up per minute 2°F | deg F |
| Max. Allowable Casing DifferentialTemperature on Start-Up | 50 | deg F |
| Hydrostatic Test Pressure | Discharge 6555 / Suction 375 | psig |
| Pump Inertia (wR^2 dry) | 55.2 | LB-$FT^2$ |
| Pump Inertia (wR^2 wet) | 60 | LB-$FT^2$ |

**MATERIALS**

| | |
|---|---|
| Outer Casing | ASTM A336 Class F11 |
| Inner Casing | ASTM A487 Gr CA-6NM |
| Diffuser/~~Volute~~ | ASTM A487 Gr CA-6NM |
| Rotating Balancing Device | Balance Drum - AISI Type 416 HT (BHN 262/302) |
| Stationary Balancing Device | Balancing Sleeve - AISI Type 416 HT(BHN 353/415) |
| Impellers | (275/326)/ BHN (248) |
| Shaft | ASTM A276 Type 410 Cond.T |
| Shaft Sleeve | N/A |
| Seal Sleeve - Mechanical Seal | 316 SS |
| Seal Bushing | N/A |
| Casing Wear Rings | AISI Type 416 HT (BHN - 353/415) |
| Baseplate | ASTM A36 |
| Gaskets | Barrel to Discharge Head Flexitallic/S-316-9 |
| External Pressure Bolts/Nuts | ASTM A193 Gr. B7 / ASTM A194 Gr. 2H |
| Internal Pressure Bolts/Nuts | ~~Later~~ 400 Series SS |

**BEARINGS**

| | RADIAL | THRUST | |
|---|---|---|---|
| Type | Sleeve | Kingsbury | |
| Lubrication | Forced Feed Oil | Force Feed Oil | |
| Thermocouples | One Each Radial Bearing | One on the Thrust Bearing | |

**WEIGHT:**

| | | |
|---|---|---|
| Pump | 10700 | lb |
| Complete skid | 5750 | lb |
| Inner Assembly | 2943 | lb |
| Heaviest Lift (Installation) | 16450 Plus LOS | lb |
| Heaviest Lift (Maintenance) | See Motor Weight | lb |

**WARMUP ORIFICE(S)**

| | | |
|---|---|---|
| Quantity | Two | |
| Size | Later | in |
| Flow | 30 | gpm |
| Pressure Drop | Later | psig |

**BALANCING ORIFICE(S)**

| | | |
|---|---|---|
| Quantity | One | |
| Size | Later | in |
| Flow | 40 to 50 | gpm |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

| | | |
|---|---|---|
| **SEAL WATER CONNECTIONS** | | |
| Quantity | N/A internal to pump | |
| End Type | N/A Internal to pump | |
| Size | N/A internal to pump | in |
| **INJECTION SEAL COOLING WATER REQUREMENTS** | | |
| Seal Injection Flow | N/A | gpm |
| Maximum Inlet Temperature | N/A] | deg F |
| Maximum Inlet Pressure | N/A | psig |
| Minimum Inlet Pressure | N/A | psig |
| Temperature Rise | N/A | deg F |
| Heat Load | N/A | BTU/hr |
| Pressure Drop | N/A | psig |
| **BALANCING DEVICE LEAKOFF LINE(S)** | | |
| Quantity | One, if required | |
| Size | Later | in |
| Flow | 40 to 50 | gpm |
| **LUBRICATING OIL SYSTEM** | | |
| Reservoir Capacity | See Lube Oil Cosole Quote | gallons |
| Oil Flow Rate | Pump requires 5 gpm / See motor quote for required motor oil flow rate as it varies with motor mfr's | gpm |
| Oil Pressure Required (At pump and motor interface connection) | Nominal 20 psig (Minimum 15 psig/Maximum 25 psig) | psig |
| Oil Temperature Rise | Varies (note: the desired oil outlet temperature is 120°F, with an alarm set at 140°F and the trip setting when it reaches 160°F) | deg F |
| Total Heat Load | Pump requires 15,282 BTU/Hr / See motor quote for required motor Heat Load as it varies with motor mfr's | BTU/hr |
| Reservoir Heater | See Lube Oil Cosole Quote | kW |
| Cooling Water Flow Rate | See Lube Oil Cosole Quote | gpm |
| Main/Auxiliary Oil Pump-Make and Model Number | / See Lube Oil Console Quote | |
| Main/Auxiliary Oil Pump Motor-Make and Model Number | NA - Shaft driven by Pump / See Lube Oil Cosnsole Quote | |
| Main/Auxiliary Oil Pump Motor Size | NA - Shaft driven by Pump / See Lube Oil Console Quote | hp |
| | | |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

## CONSTRUCTION

### PUMP CONNECTIONS

| | Suction | Discharge | |
|---|---|---|---|
| Size | 6 | 4 | in |
| ANSI Class Flange or Schedule | Sch 40 | Sch 160 XX | |
| Weld End | Butt Weld End | Butt Weld End | |
| Orientation | Top | Top | |

| | Units | ALLOW. REACTION (HOT) | | | ALLOW. REACTION (COLD) | | |
|---|---|---|---|---|---|---|---|
| | | **Suction** | **Discharge** | | **Suction** | **Discharge** | |
| F, AXIAL | lb | 5100 | 5100 | | 5100 | 5100 | |
| F, VERTICAL | lb | 5100 | 5100 | | 5100 | 5100 | |
| F, TRANSVERSE | lb | 5100 | 5100 | | 5100 | 5100 | |
| M, AXIAL | ft lbs | 13000 | 13000 | | 13000 | 13000 | |
| M, VERTICAL | ft lbs | 13000 | 13000 | | 13000 | 13000 | |
| M, TRANSVERSE | ft lbs | 13000 | 13000 | | 13000 | 13000 | |

| | | |
|---|---|---|
| Suction Impeller Wear Ring Radial Clearance (Eye Side) | 0.012 / 0.014 | in |
| Suction Impeller Wear Ring Radial Clearance (Hub Side) | 0.012 / 0.014 | in |
| Normal Stage Impeller Wear Ring Radial Clearance (Eye Side) | 0.012 / 0.014 | in |
| Normal Stage Impeller Wear Ring Radial Clearance (Hub Side) | 0.012 / 0.014 | in |
| Injection Seal Radial Clearance | N/A | |
| Balance Device Radial Clearance | 0.012 / 0.014 | in |
| Balance Device Axial Clearance | Varies (self compensating) | |
| Shaft Diameter-At Eye | 3.5 | in |
| Shaft Diameter-Under Impeller Hub | 3.5 | in |
| Bearing Span | 87.06 | in |

### CRITICAL SPEEDS

| | |
|---|---|
| First | >/= 4285 rpm (wet) |
| Second | >/= 4400 rpm (wet) |

### PUMP SKID DIMENSIONS

| | | |
|---|---|---|
| Length | See GA Drawing | in |
| Width | See GA Drawing | in |
| Height | See GA Drawing | in |
| Weight | Later | lbs |

### MAINTENANCE

| | | |
|---|---|---|
| Space Required to Replace Inner Assembly | See GA Drawing | in |
| Time required to replace inner rotating assembly (2 persons) | Varies with Tools and Personel | hr |

# Turbine Drive Data Sheet

| | | | |
|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-151401-0001 |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 **DATE:** 19-Sep-06 |
| **COST CODE:** | 151401 | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B |

**To be completed by Owner**

| ITEM | DESCRIPTION | BY CONTRACTOR | BY OWNER | COMMENTS |
|---|---|---|---|---|
| **1.0** | **TURBINE ASSEMBLY** | | | |
| | Turbine exhaust type: | | | |
| | a. Down | X | | |
| | b. Side | | | |
| | c. Up | | | |
| | Turbine Inlet: | | | |
| | a. Single inlet pressure | | | |
| | b. Dual inlet pressure | X | | Separate HP Admission |
| | Turbine type: | | | |
| | Condensing Turbine: | | | |
| | a. Straight flow | X | | |
| | b. Opposed Extraction | | | |
| | c. Interstage Floating Extraction | | | |
| | d. Interstage Controlled Extraction | | | |
| | e. Interstage Controlled Induction | | | |
| | Backpressure Turbine | | | |
| | a. Straight flow | | | |
| | b. Interstage Floating Extraction | | | |
| | c. Interstage Controlled Extraction | | | |
| | Turbine assemblies including casing(s) and rotor(s) | X | | |
| | LP steam stop/control valves and actuators | X | | |
| | HP steam stop/control valves and actuators | X | | |
| | AC motor driven turning gear with automatic engaging and disengaging, and zero speed indication. | X | | |
| | Exhaust duct shutoff valve | | X | |
| | Exhaust duct expansion joint | | X | |
| **2.0** | **MECHANICAL ACCESSORIES** | | | |
| | Temporary cover plates and related hardware for stop valves and control valves for steam blow. | X | | Blowdown piping not in GE scope |
| | Hydrotest blanking plates. | X | | |

# Turbine Drive Data Sheet

| | | | | | | |
|---|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | | **DS NO:** | PEDE-1-DS-151401-0001 | | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | | |
| **PLANT LOC:** | Johnsonville, SC | | **REV:** | 0 | **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | | |

| | | | | |
|---|---|---|---|---|
| | Removable and reusable insulation blankets and appearance lagging for casing, stop and control valves, and all flanges for interconnecting steam piping. | X | | |
| | Two extra sets of gaskets. | X | | |
| | Insulation and lagging skirting for turbines. | X | | |
| | Gland steam interconnecting piping and supports | X | | Up to skid edge |
| | Lubricating oil system (for each turbine) | | | |
| | a. Lube oil reservoir | X | | |
| | b. Two 100% capacity AC main lube oil pumps | X | | |
| | c. DC emergency oil pump with starter | X | | |
| | d. Two 100% capacity oil coolers with transfer valves and filler valve | X | | Stainless steel plate type |
| | e. Dual element oil cartridge type filter | X | | |
| | f. Oil temperature and oil pressure control valves | X | | |
| | g. Oil vapor exhaust fan and demister | X | | |
| | h. Oil heaters | X | | |
| | i. Interconnecting, guarded, stainless steel lube oil piping with supports | | X | |
| | j. Oil system instrumentation | X | | |
| | k. Oil for flushing and first filling | | X | |
| | l. Lube oil purification system. | | X | |
| | m. Connections on lube oil reservoir for piping to lube oil purification system | X | | |
| | Exhaust casing blowout diaphragm(s) mounted on exhaust duct, including one full set of spares | | X | |
| **3.0** | **ELECTRICAL AND CONTROLS PACKAGE** | | | |
| | Three phase AC motor control equipment | | X | |

# Turbine Drive Data Sheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-151401-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | | |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 | **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | | |

| | | | | |
|---|---|---|---|---|
| | Turbine speed governing control system | X | | |
| | Turbine control system valves and instrumentation | X | | |
| | Redundant communication link for interface with plant DCS | X | | |
| | Local supervisory and control instrumentation and necessary instrumentation for remote control and system supervision from the main control room. | X | | |
| | Raceway | X | | For Contractor-supplied wiring within base limits |
| | Provisions for performance testing including test ports, thermowells, instrumentation, and cards for interface to the Owner's DCS | X | | Instrumentation specifically for testing is not included. |
| | Starters for all DC motors mounted local to the equipment | X | | |
| | Grounding system connectors | X | | |
| | Cabinet lighting | X | | |
| **4.0** | **MISCELLANEOUS** | | | |
| | All interconnecting piping, tubing, and wiring on Contractor-furnished skids | X | | To battery limits of baseplate(s) only. |
| | Coupling, coupling cover and associated hardware including boiler feed pump half-coupling | X | | |
| **5.0** | **OTHER MATERIAL AND SERVICES** | | | |
| | Hardware for complete assembly and accessories | X | | As defined in the scope of supply. |
| | Special tools and devices | X | | Per scope of supply. |
| | Special rigging and lifting devices | X | | Per scope of supply. |
| | Lifting lugs | X | | |
| | Piping insulation and lagging | | X | |
| | Finish painting of lagging and exposed steel | | X | |
| | Prime painting of all steel | X | | |
| | Foundations | | X | |
| | Foundation design, anchor bolts, and reinforcing steel | | X | |
| | Foundation sole plates, fixators, adjusting screws, shims | X | | Per scope of supply. |
| | Technical field assistance for installation | X | | |

# Turbine Drive Data Sheet

| | | | | | | |
|---|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | | **DS NO:** | PEDE-1-DS-151401-0001 | | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | | |
| **PLANT LOC:** | Johnsonville, SC | | **REV:** | 0 | **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | | |

| | | | | |
|---|---|---|---|---|
| | Field erection supervision, labor, and equipment | | X | |
| | Training of operating & maintenance personnel | X | | |
| | Project review meetings | X | | |
| | Constructability review | X | | |
| | Technical assistance for startup and testing | X | | |
| | Heat balances and performance correction curves for all applicable operating conditions | X | | |
| | Performance test | | X | |
| | Start up spare parts | X | | |
| | Complete parts list, cataloged with price list and lead times | X | | Contractor shall indicate recommended spare parts |

# Turbine Drive Data Sheet

| | | | |
|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-151401-0001 |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 **DATE:** 19-Sep-06 |
| **COST CODE:** | 151401 | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B |

**Contractor to complete all shaded portions**

| **Description** | **Case 1** | | **Case 2** | |
|---|---|---|---|---|
| | At Design | | At Maximum Capability | |
| **Parameter** | **GUARANTEED** | | **PREDICTED - PRELIMINARY** | |
| Turbine rated output | 9,376 | hp | | hp |
| Speed @ rated output | 5,500 | rpm | | rpm |
| Turbine efficiency at rated output | | % | | % |
| LP steam flow required | 115,750 | lb/hr | | lb/hr |
| LP Steam Inlet Pressure | 133.5 | psia | | psia |
| LP Steam Inlet Temperature | 638.1 | °F | | °F |
| LP Steam Inlet Enthalpy | 1346.6 | Btu/lb | | Btu/lb |
| HP steam flow required | 0 | lb/hr | | lb/hr |
| HP Steam Inlet Pressure (MCR NP) | | psig | | psig |
| HP Steam Inlet Temperature (MCR NP) | | °F | | °F |
| HP Steam Inlet Enthalpy (MCR NP) | | Btu/lb | | Btu/lb |
| HP Steam Inlet Pressure (MCR OP) | | psig | | psig |
| HP Steam Inlet Temperature (MCR OP) | | °F | | °F |
| HP Steam Inlet Enthalpy (MCR OP) | | Btu/lb | | Btu/lb |
| Minimum speed for continuous operation | later | rpm | | rpm |
| Minimum load for continuous operation | later | hp | | hp |
| Maximum speed for continuous operation | 6,050 | rpm | | rpm |
| Maximum load for continuous operation | later | hp | | hp |
| Backpressure | 4 | in HgA | | in HgA |
| Direction of rotation from coupled end of turbine - LP side - looking at the pump | CCW | | | |

# Turbine Drive Data Sheet

| | | | | |
|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-151401-0001 | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 | **DATE:** 19-Sep-06 |
| **COST CODE:** | 151401 | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | |

**To be completed by Contractor**

| | | |
|---|---|---|
| **1.0 Turbine and Accessories** | | |
| A. Turbine | | |
| 1. Manufacturer | GE Thermodyn | |
| 2. Type | Impulse type, multi stage, multi valve, condensing | |
| 3. Model identification | 8MC6 | |
| 4. Maximum allowable steam temperature rate of change | later | °F/min |
| 5. Maximum allowable speed | 5,500 | rpm |
| 6. Maximum speed change rate within allowable steam pressure and temperature ranges | later | rpm/min |
| 7. Steam flow to LP stop valve at rated output | 115,750 | lb/hr |
| 8. Maximum allowable backpressure | 8 | in HgA |
| 9. Low pressure steam source | | |
| a. Maximum steam flow | 140,000 | lb/hr |
| b. Design steam pressure | 150 | psia |
| c. Design steam temperature | 650 | °F |
| 10. High pressure steam source | | |
| a. Maximum steam flow | later | lb/hr |
| b. Design steam pressure | 3,750 | psig |
| c. Design steam temperature | 1,080 | °F |
| 11. Number of rows of blades | 6 | |
| 12. Last stage blade length | 12 | in |
| 13. Critical speeds, first, second | later | rpm |
| 14. Exhaust duct annulus area | 12.45 | in2 |
| 15. Materials (AFNOR code, please refer to attached composition &correspondances | | |
| a. Rotor | 30 NCDV11 | |
| b. LP steam inlet | A 480 CPM | |
| c. HP steam inlet | 18CD2-05M | |
| d. Casing | A480 CPM | |
| e. Diaphragms | E28.3 | |
| f. Blades | Z10CD13 | |
| g. Journal bearings | Steel backed babbit | |
| h. Thrust bearings | Steel backed babbit | |
| i. Shaft seal rings | Z20C13 | |
| B. Lubrication/Control Oil System | | |
| 1. Lube oil/Control Oil system | | |
| a. Type of oil | Mineral | |
| i. Recommended Manufacturer | later | |
| ii. Grade | ISO VG32 | |
| b. Total amount of oil in system | 860 | gal |
| c. Oil tank capacity | 962 | gal |
| 2. Oil conditioner (purifier) connections | | |
| a. Size | 0.75 in | |
| b. Material | Stainless Steel | |
| c. End type | Flanged | |
| 3. Oil coolers | | |
| a. Manufacturer | later | |
| b. Type | Stainless steel plate | |

# Turbine Drive Data Sheet

| | | | | | | |
|---|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | | **DS NO:** | PEDE-1-DS-151401-0001 | | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | | |
| **PLANT LOC:** | Johnsonville, SC | | **REV:** | 0 | **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | | |

| | | | | |
|---|---|---|---|---|
| c. Number of coolers x duty | | | 2 X 100 | % |
| d. Oil flow for turbine lube + control + pump lube | | | 133 | gpm |
| e. Cooling water flow (DT = 10 °C) | | | 35 | gpm |
| f. Cooling Water Pressure Drop | | | 15 | psig |
| g. Cooling Water Maximum Inlet Pressure | | | 170 | psig |
| h. Cooling Water Maximum Inlet Temperature | | | 122 | °F |
| i. Heat Duty | | | 300,000 | Btu/hr |
| 4. Main AC oil pumps | | | | |
| a. Manufacturer | later | | | |
| b. Type | Gear | | | |
| c. Number of pumps | | | 2 | |
| d. Rated capacity | | | 184 | gpm |
| e. Discharge pressure | | | 180 | psig |
| f. Speed | | | 1500 | rpm |
| g. Motor type, output/voltage | 15 | kW | 460 | V |
| 5. Emergency DC oil pump | | | | |
| a. Manufacturer | later | | | |
| b. Type | Gear | | | |
| c. Quantity of pumps | | | 1 | |
| d. Rated capacity | | | 80 | gpm |
| e. Discharge pressure | | | 30 | psig |
| f. Speed | | | 1800 | rpm |
| g. Motor type, output/voltage | 3 | kW | 250 | V |
| 6. Oil tank vapor extractor | | | | |
| a. Type | FAN | | | |
| b. Capacity | | | later | scfm |
| c. Rating speed | | | 1800 | rpm |
| d. Motor type, output/voltage | 3 | kW | 250 | V |
| 7. Oil filters | | | | |
| a. Type | Cartridge | | | |
| b. Filtered particle size | | | 10 | microns |
| E. Gland Steam | | | | |
| 1. Maximum quantity of gland steam leakoff | | | 220 | lb/hr |
| 2. Design gland steam pressure | | | 18 | psig |
| 3. Design gland steam temperature | | | below 700 | °F |
| F. Turning gear | | | | |
| 1. Auto/Manual | | | Auto | |
| 2. Motor type | AC | | | |
| a. AC Motor, output/voltage | approx 15 | kW | 460 | V |
| 3. Turbine speed on turning gear | | | approx 50 | rpm |
| G. Vibration Monitoring System | | | | |
| 1. Monitor system manufacturer | GE | | | |
| a. Model No. | Mark VI | | | |
| 2. Field sensor manufacturer | Bently Nevada | | | |
| a. Type of sensor | BN 3300 | | | |
| b. Monitoring point | Rotor | | | |
| H. Field Instruments and Control Valves/Drives (each type of instrument) | | | | |

# Turbine Drive Data Sheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-151401-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | | |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 | **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | | |

| | | |
|---|---|---|
| 1. Manufacturer | later | |
| 2. Model (shall be indicated for all types of instruments) | later | |
| 3. Options | | |
| I. LP steam stop valve | | |
| 1. Manufacturer | GE Thermodyn | |
| 2. Model | 14-300 | |
| 3. Nominal size | 14 | in |
| 4. Materials | A480 CPM | |
| 5. Type | Monobloc bolted to turbine casing | |
| J. LP steam control valves (Governor Valves) | | |
| 1. Manufacturer | GE Thermodyn | |
| 2. Model | N/A | |
| 3. Nominal size per valve (average) | 3 | in |
| 4. Materials | A480 CPM for chest valve- Z20C13 for valve | |
| 5. Type | Poppet/ Venturi | |
| K. HP steam stop valve | | |
| 1. Manufacturer | GE Thermodyn | |
| 2. Model | later | |
| 3. Nominal size | 3 | in |
| 4. Materials | 15CDV4-10M | |
| 5. Type | | |
| L. HP steam control valves (Governor Valves) | Integral with HP stop valve | |
| 1. Manufacturer | N/A | |
| 2. Model | N/A | |
| 3. Nominal size | N/A | in |
| 4. Materials | N/A | |
| 5. Type | N/A | |
| M. Governor | | |
| 1. Manufacturer | GE | |
| 2. Model | Mark VI | |
| 3. Type | TMR | |
| 4. Speed regulation | | % |
| 5. Load change rate | | %/ min |
| 6. Dead Band | | sec |
| 7. Signal Range | | |
| 8. Type of Speed Sensor | | |
| 9. Type of Overspeed Trip | Electronic 2oo3 | |
| N. Coupling | | |
| 1. Manufacturer | Metastream or equivalent | |
| 2. Model | later | |
| 3. Maximum Rating | | hp |
| 4. Type | Flexible | |
| **2.0 Weights and Dimensions** | | |
| A.Weights | PRELIMINARY | |
| 1. Turbine | | |
| a. Net weight of complete unit (without lube oil system : 10000 lbs) | 82000 | lb |

# Turbine Drive Data Sheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | | **DS NO:** | PEDE-1-DS-151401-0001 | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feed Pump Turbine and Accessories, Technical Data Sheets | |
| **PLANT LOC:** | Johnsonville, SC | | **REV:** | 0 **DATE:** | 19-Sep-06 |
| **COST CODE:** | 151401 | | **EQ TAGs:** | 1-BL-TRB-1001A and 1-BL-TRB-1001B | |

| | | |
|---|---|---|
| b. Total shipping weight of complete unit | 105000 | lb |
| c. Assembled weight of unit | 82000 | lb |
| d. Turbine rotor, assembled weight | 7200 | lb |
| e. Casing upper half | 15000 | lb |
| f. Exhaust hood upper half | 7000 | lb |
| g. Heaviest part to be handled after initial erection (e+f) | 22000 | lb |
| h. Heaviest piece to be handled during construction | 82000 | lb |
| i. Heaviest part weight for maintenance of steam turbine | 22000 | lb |
| B. Overall Dimensions, inches | PRELIMINARY | |
| 1. Turbine | | |
| a. Length of complete turbine unit - Turbine baseplate lenght | 190 | in |
| b. Width at the widest point - exhaust casing | 160 | in |
| c. Width at floor line | 160 | in |
| d. Height above floor | | in |
| 1) Top of machine | 160 | in |
| 2) Highest point | 160 | in |
| e. Turbine exhaust connection openings | | in |
| 1) Axially, inside | | in |
| 2) Transversely, inside | | in |
| 3) Distance below operating floor | | in |
| f. Highest point of crane hook required for erection above turbine centerline | 150 | in |
| g. Highest point of crane hook required for maintenance above turbine centerline | 150 | in |
| C. Loads | | |
| 1. Turbine Exhaust Duct | | |
| a. Fx | | lb |
| b. Fy | | lb |
| c. Fz | | lb |
| d. Mx | | ft-lb |
| e. My | | ft-lb |
| f. Mz | | ft-lb |
| 2. LP Steam Inlet | | |
| a. Fx | | lb |
| b. Fy | | lb |
| c. Fz | | lb |
| d. Mx | | ft-lb |
| e. My | | ft-lb |
| f. Mz | | ft-lb |
| 3. HP Steam Inlet | | |
| a. Fx | | lb |
| b. Fy | | lb |
| c. Fz | | lb |
| d. Mx | | ft-lb |
| e. My | | ft-lb |
| f. Mz | | ft-lb |

# Boiler Feedwater Pump Datasheet

|  |  |  |  |  |  |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 |  |  |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump |  |  |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B,  1-FW-P-1002A & B, 1-FW-P-1003 |  |  |

**INFORMATION SUPPLIED BY OWNER**

## BOOSTER PUMP GUARANTEED AND EXPECTED PERFORMANCE

|  | **GUARANTEE POINT (MCR/OP)** |  | **EXPECTED OPERATING POINT (100% Throttle/NP)** |  |
|---|---|---|---|---|
| Discharge Capacity | 5660 | gpm | 4918 | gpm |
| Discharge Pressure | 707.65 | psig | 723 | psig |
| Suction Pressure | 149 | psig | 146 | psig |
| Suction Water Temperature | 352 | deg F | 348.5 | deg F |
| Suction Water Specific Gravity | 0.890 |  | 0.892 |  |
| Total Differential Head | 1450 | ft | 1490 | ft |
| Pump Speed | 3570 | rpm | 3570 | rpm |

**EXPECTED OPERATING CONDITIONS**

|  |  |  |
|---|---|---|
| NPSH Available @ Shaft Centerline (NPSH @ Normal Operating Conditions) | 68 | ft |
| NPSH Available @ Shaft Centerline (NPSH @ Transient Operating Conditions) | Later | ft |
| Min. Suction Pressure | 30 | psig |
| Min. Coincident Suction Water Temperature | 220 | deg F |
| Max. Suction Pressure | 190 | psig |
| Max. Coincident Suction Water Temperature | 375 | deg F |
| Min. Rise to Shutoff | 117.7 | % |
| Max. Rise to Shutoff | 129.8 | % |
| Parallel Operation (Yes/No) | Yes |  |

**RADIAL/THRUST BEARING VIBRATION DETECTION**

|  |  |
|---|---|
| Manufacturer | Bently Nevada |

Probe and Proximeter Type

|  | **X** | **Y** | **Z** |
|---|---|---|---|
| Pump | Yes | Yes | Yes |

|  |  |
|---|---|
| Key Phasor | by Contractor |
| Monitor Furnished | by Contractor |

**MATERIALS - ASTM NUMBER**

|  |  |
|---|---|
| Casing | ASTM A487 CA6NM |
| ~~Diffuser~~/Volute | ASTM A487 CA6NM |
| Shaft | ASTM A276, Type 410 HT |
| Impellers | ASTM A487 CA6NM |
| Wear Rings | ASTM A426 CPCA 15 |
| Shaft Sleeve - Mechanical Seal | Type 316 SS |

**DRIVERS**

|  |  |
|---|---|
| Furnished by | Contractor |
| Mounted by | Contractor |
| Drive Type | Motor Drive |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

## PIPING CONNECTIONS

| | Suction | Discharge | |
|---|---|---|---|
| ANSI Class | 300 | 600 | |
| End Type | Butt Weld | Butt Weld | |
| Size | 14.0 | 10.0 | in |
| Design Pressure | 250.0 | 1050.0 | psig |
| Design Temperature | 375.0 | 375.0 | deg F |
| Wall Thickness | Per ASME Section 8 Div 1 | Per ASME Section 8 Div 1 | in |
| C-Bore | Customer to Advise | Customer to Advise | in |
| **INSTALLATION LOCATION** | | Indoors | |
| **INSULATION AND LAGGING** | | Yes | |
| Max. Surface Temperature | 140 | | deg F |

## SEAL INJECTION WATER

| | | |
|---|---|---|
| Pressure | N/A | psig |
| Temperature | N/A | deg F |

## PUMP BEARINGS

| | RADIAL | THRUST |
|---|---|---|
| Type | Sleeve | Kingsbury |
| Lubrication | Forced Feed | Forced Feed |

## MOTOR BEARINGS

| | RADIAL | THRUST |
|---|---|---|
| Type | See Motor Data Sheet | See Motor Data Sheet |
| Lubrication | See Motor Data Sheet | See Motor Data Sheet |

## BOILER FEEDWATER PUMP GUARANTEED AND EXPECTED PERFORMANCE

| | GUARANTEE POINT (MCR/OP) | | EXPECTED OPERATING POINT (100% Throttle/NP) | |
|---|---|---|---|---|
| Main Suction Capacity | 5440 | gpm | 4852 | gpm |
| Main Discharge Capacity | 5440 with IP Closed | gpm | 4852 | gpm |
| Main Discharge Pressure | 4769.1 with IP Closed | psig | 4300 | psig |
| Suction Pressure | 669 | psig | By Customer - Customer needs to advise suction pressure to Booster Pumps when Booster Pump is operating at 4852 gpm, Booster Pump TDH will be ~1505 Feet at 4852 gpm and also all of the losses between the booster pump and BFP) | psig |
| Suction Water Temperature | 354 | deg F | 350.5 | deg F |
| Suction Water Specific Gravity | 1 | | 0.893 | |
| Total Differential Head at Discharge | 10630 with IP Closed | ft | by Customer Later | ft |
| Min. / Max IP Discharge Capacity | 0 / 435 | gpm | 0 | gpm |
| Min. IP Discharge Pressure | 1675 - 2035.6 with IP Closed | psig | NA | psig |
| Min. IP Total Differential Head | 2560 - 3543 with IP Closed | ft | NA | ft |
| Pump Speed | 5500 | rpm | by Contractor Later | rpm |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

**EXPECTED OPERATING CONDITIONS**

| | | |
|---|---|---|
| NPSH Available @ Shaft Centerline (NPSH @ Normal Operating Conditions) | 1425.0 | ft |
| NPSH Available @ Shaft Centerline (NPSH @ Transient Operating Conditions) | Later | ft |
| Max. IP Discharge Capacity | 435.00 | gpm |
| Min. IP Rise to Shutoff | 120 | % |
| Max. IP Rise to Shutoff | 134.2 | % |
| Min. HP Rise to Shutoff | 120 | % |
| Max. HP Rise to Shutoff | 134.2 | % |
| Min. Suction Pressure | 560.0 | psig |
| Min. Coincident Suction Water Temperature | 220.0 | deg F |
| Max. Suction Pressure | 1050.0 | psig |
| Max. Coincident Suction Water Temperature | 375.0 | deg F |
| Parallel Operation (Yes/No) | Yes | |

**RADIAL/THRUST BEARING VIBRATION DETECTION**

| | |
|---|---|
| Manufacturer | Bently Nevada |

Probe and Proximeter Type

| | X | Y | Z |
|---|---|---|---|
| Pump | Yes | Yes | Yes |

| | |
|---|---|
| Key Phasor | by Owner |
| Monitor Furnished | by Owner |

**MATERIALS - ASTM NUMBER**

| | |
|---|---|
| Outer Barrel | ASTM A336, Class F11 without stainless steel inlays |
| Inner Casing | ASTM A487 CA6NM |
| Diffuser/~~Volute~~ | ASTM A487 CA6NM |
| Shaft | ASTM A276, Type 410 Cond. T |
| Impellers | ASTM A217 Gr CA-15 (mod)/ A487 Gr. CA-6NM With DLD (Hard Coated Hubs) |
| Wear Rings | AISI Type 416 HT (BHN - 353/415) |
| Shaft Sleeve - Injection Seal | AISI Type 416 with DLD (Hard Coated) |

## Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

### DRIVERS

| | | |
|---|---|---|
| Furnished by | Owner | |
| Mounted by | Owner | |
| Drive Type | Turbine Drive | |
| Turbine Speed @ MCR/OP | 5500/Later | rpm |
| Overspeed Trip | 6050 | rpm |
| Pump Rotation | The boiler feedwater pump rotation shall be CCW when viewed from the coupling end as defined by the Hydraulic Institute. | |

### MAIN PIPING CONNECTIONS

| | Suction | Main Discharge | Interstage Bleed | |
|---|---|---|---|---|
| ANSI Class | NA | NA | NA | |
| End Type | Butt Weld | Butt Weld | Butt Weld | |
| Size | 18.0 | 16.0 | 4.0 | in |
| Design Pressure | 1050 | 7550 | 3200 | psig |
| Design Temperature | 375 | 375 | 375 | deg F |
| Wall Thickness | Per ASME Section 8 Div 1 | Per ASME Section 8 Div 1 | Per ASME Section 8 Div 1 | in |
| C-Bore | Customer to Advise | Customer to Advise | Customer to Advise | in |

| | | |
|---|---|---|
| **INSTALLATION LOCATION** | Indoors | |
| **INSULATION** | Yes | |
| Max. Surface Temperature | 140 | deg F |

### Seal Injection Water

| | |
|---|---|
| Pressure | 25 psig above booster pump suction pressure |
| Temperature | $90^{o}$F to $120^{o}$F |

### PUMP BEARINGS

| | RADIAL | THRUST |
|---|---|---|
| Type | Triland Sleeve | Kingsbury |
| Lubrication | Forced Feed | Forced Feed |

## STARTUP BOILER FEEDWATER PUMP GUARANTEED PERFORMANCE

| | GUARANTEE POINT | |
|---|---|---|
| Discharge Capacity | 1200 | gpm |
| Discharge Pressure | 2680.97 | psig |
| Suction Pressure | 24 | psig |
| Suction Water Temperature | 212.0 | deg F |
| Suction Water Specific Gravity | 0.959 | |
| Total Differential Head | 6400 | ft |
| Pump Speed | 3580 (not guaranteed) | rpm |
| NPSH Available @ Shaft Centerline (NPSH @ Normal Operating Conditions) | 58.0 | ft |
| NPSH Available @ Shaft Centerline (NPSH @ Transient Operating Conditions) | Later | ft |
| Min. HP Rise to Shutoff | 120 | % |
| Max. HP Rise to Shutoff | 139.5 | % |
| Min. Suction Pressure | 24.0 | psig |
| Min. Coincident Suction Water Temperature | 212.0 | deg F |
| Max. Suction Pressure | 190.0 | psig |
| Max. Coincident Suction Water Temperature | 375.0 | deg F |
| Parallel Operation (Yes/No) | No | |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

**RADIAL/THRUST BEARING VIBRATION DETECTION**

| | |
|---|---|
| Manufacturer | Bently Nevada |

Probe and Proximeter Type

| | X | Y | Z |
|---|---|---|---|
| Pump | Yes | Yes | Yes |

| | |
|---|---|
| Key Phasor | by Contractor |
| Monitor Furnished | by Contractor |

**MATERIALS - ASTM NUMBER**

| | |
|---|---|
| Outer Barrel | ASTM A336, Class F11 without stainless steel inlays |
| Inner Casing | ASTM A487 CA6NM |
| Diffuser/~~Volute~~ | ASTM A487 CA6NM |
| Shaft | ASTM A276, Type 410 Cond. T |
| Impellers | ASTM A217 Gr CA-15 (mod)/ A487 Gr. CA-6NM with laser hardened hub |
| Wear Rings | AISI Type 416 HT (BHN - 353/415) |
| Shaft Sleeve - Mechanical Seal | 316 stainless steel |

**DRIVERS**

| | |
|---|---|
| Furnished by | by Contractor |
| Mounted by | by Contractor |
| Drive Type | Motor Drive |

**PIPING CONNECTIONS**

| | Suction | Main Discharge | |
|---|---|---|---|
| ANSI Class | NA | NA | |
| End Type | Butt Weld | Butt Weld | |
| Size | ~~8~~ 6 | ~~6~~ 4 | in |
| Design Pressure | 250 | ~~Later~~ 4370 | psig |
| Design Temperature | 375 | 375 | deg F |
| Wall Thickness | Per ASME Section 8 Div 1 | Per ASME Section 8 Div 1 | in |
| C-Bore | Customer to Advise | Customer to Advise | in |

| | | |
|---|---|---|
| **INSTALLATION LOCATION** | Indoors | |
| **INSULATION** | Yes | |
| Max. Surface Temperature | 140 | deg F |

## Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

**Seal Injection Water**

| | |
|---|---|
| Pressure | N/A |
| Temperature | N/A |

**PUMP BEARINGS**

| | RADIAL | THRUST | |
|---|---|---|---|
| Type | Sleeve | Kingsbury | |
| Lubrication | Forced Feed | Forced Feed | |

## BOILER FEEDWATER EXPECTED CHEMISTRY

| | Range | |
|---|---|---|
| pH | 8.0 to 9.3 | |
| Conductivity | <5 | mS/cm at 25°C |
| Silica | <10 | ppb |
| Ammonia | 0 to 550 | ppb |
| Disolved Oxygen | 50 to 150 | ppb |
| Sodium | <3 | ppb |

## OTHER ACCESSORIES (TO BE SUPPLIED AS MARKED)

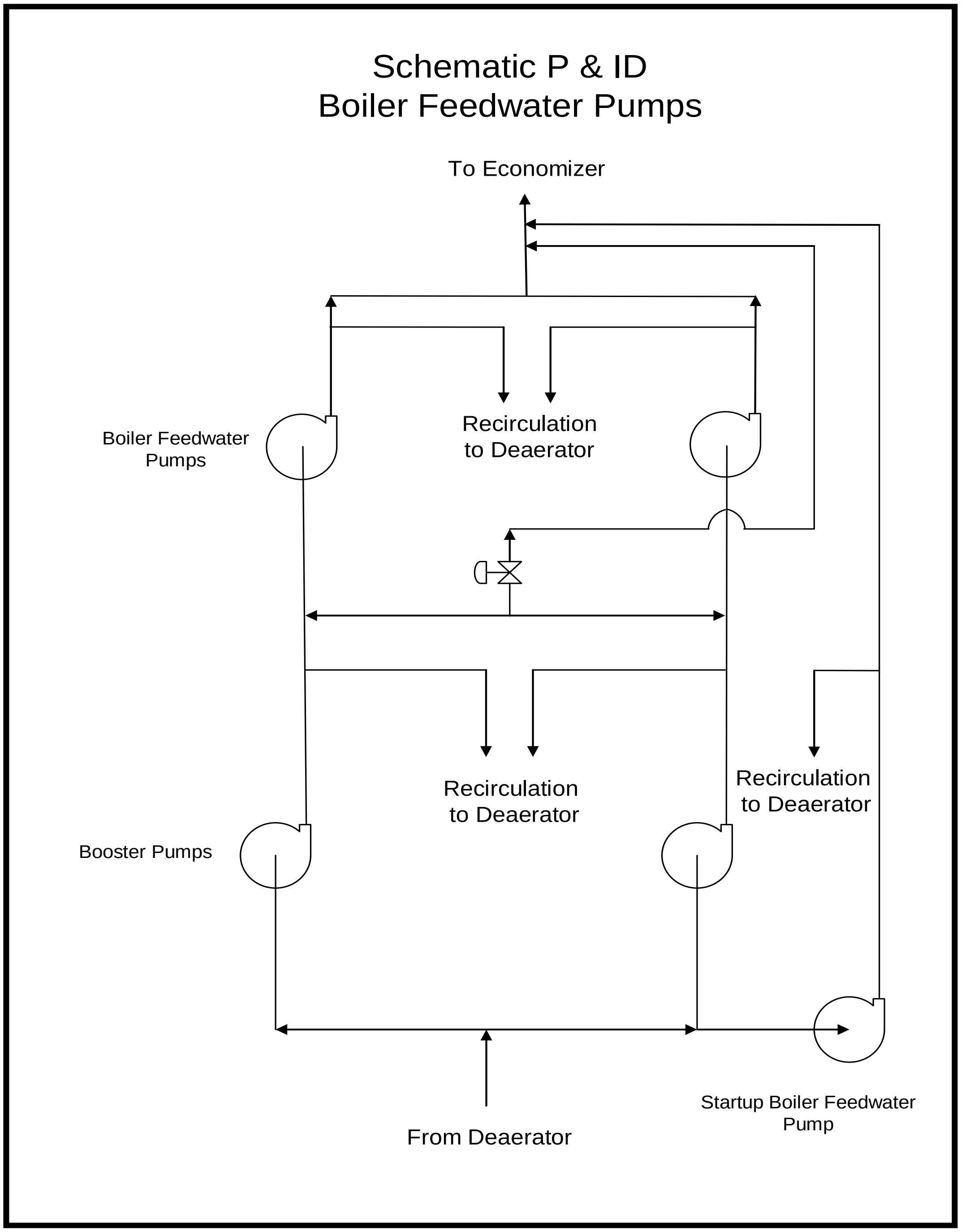
| | |
|---|---|
| Coupling Guard | Yes (except for BFP) |
| Base Plate | Yes |
| Injection Seal Piping and Controls | Yes (for BFP Only) |
| Drip Pan | Yes |
| Warmup Orifice | Yes |
| Integral Lube Oil Piping | Yes |
| Casing Drains and Vents | Yes (as indicated in FPD's Proposal) |

## TESTS

| | |
|---|---|
| Hydrotest | Witness |
| Performance | Witness |
| Acoustic (readings only) | Witness |
| NPSH Required | Witness |
| Vibration | Witness |
| Electrical | Witness |
| Automatic Minimum Flow Recirc Valve Required? | Not by FPD (Required to be supplied by Customer) |

## Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |



# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

### INFORMATION SUPPLIED BY CONTRACTOR

## BOOSTER PUMP INFORMATION

| | |
|---|---|
| Type | |
| Model Number | |

### GUARANTEED AND EXPECTED PERFORMANCE

| | GUARANTEED (AT DESIGN POINT) | | EXPECTED (AT NORMAL OPERATING POINT) | |
|---|---|---|---|---|
| Suction Capacity | ~~5520~~ 5660 | gpm | 4918 | gpm |
| Discharge Capacity | ~~5520~~ 5660 | gpm | 4918 | gpm |
| Total Differential Head | 1450 | ft | ~~1490 1510~~ 1523 | ft |
| Efficiency | ~~79.3~~ 79.5 | % | 76.5 | % |
| BHP | ~~2270 2263~~ 2320 | hp | ~~2158 2187~~ 2206 | hp |
| NPSHR | ~~40.8~~ 42.6 | ft | 37 | ft |
| Shutoff Head | ~~1614.2 1778.7~~ 1792 | ft | ~~1614.2 1778.7~~ 1792 | ft |
| Speed | 3570 | rpm | 3570 | rpm |
| Flow as % of BEP | ~~85.6 84.6~~ 86.8% | ~~gpm~~ | ~~76.28~~ 75.41% | ~~gpm~~ |

### EXPECTED PERFORMANCE

| | | |
|---|---|---|
| Minimum Flow Required | 2500 | gpm |
| Maximum Runout Flow | ~~6624~~ 6792 (Basis 120% Rated Flow) | gpm |
| BHP Maximum at Runout | ~~2478 2408~~ 2450 +/-5% with SG = .89 | hp |
| ~~Suction Specific~~ Speed at Design Point | 3570 | rpm |
| Rise to Shutoff | ~~11.3 122.8~~ 123.6 | % |
| Impeller Diameter | ~~19 18.98~~ 19.05 | in |
| Radial Clearance Impeller OD-~~Diffuser/~~Volute Tongue | FPD Standard | in |
| Max. Allowable Casing Pressure | 1050 | psig |
| Max. Allowable Casing Temperature (Differential on Startup) | Later | deg F |
| Design Casing Pressure | 1050 | psig |
| Design Casing Temperature | 375 | deg F |
| Maximum Allowable Suction Temperature Transient | Later | deg F |
| Max. Allowable Casing DifferentialTemperature on Start-Up | Later | deg F |
| Hydrostatic Test Pressure | Discharge1575 | psig |
| Min. Rise to Shutoff | ~~120 106.3 116.5~~ 117.7 | % |
| Max. Rise to Shutoff | ~~125 128.8~~ 129.8 | % |
| Pump Inertia (wR^2 dry) | 120 | LB-Ft$^2$ |
| Pump Inertia (wR^2 wet) | 130 | LB-Ft$^2$ |

### MATERIALS

| | |
|---|---|
| Casing | ASTM A487 CA6NM |
| ~~Diffuser/~~Volute | ASTM A487 CA6NM |
| Impeller | ASTM A487 CA6NM |
| Shaft | ASTM A276, Type 410 HT |
| Shaft Sleeve - Mechanical Seal | Type 316 SS |
| Seal Sleeve | N/A |
| Seal Bushing | N/A |
| Casing Wear Rings | ASTM A426 CPCA 15 |
| Baseplate | ASTM A36 |
| Gaskets | 316 S.S. sprial wound |
| External Pressure Bolts/Nuts | ASTM A193 B7 / ASTM A 194 2H |
| Internal Pressure Bolts/Nuts | 400 Series SS |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

| **BEARINGS** | | | |
|---|---|---|---|
| | **RADIAL** | **THRUST** | |
| Type | Sleeve | Kingsbury | |
| Lubrication | Force Feed Oil | Force Feed Oil | |
| Thermocouples | One Each Radial Bearing | One on the Thrust Bearing | |

| | | |
|---|---|---|
| **WEIGHT:** | | |
| Pump | Later | lb |
| Complete skid | Later | lb |
| Rotor | Later | lb |
| Heaviest Lift (Installation) | Later | lb |
| Heaviest Lift (Maintenance) | Later | lb |
| **WARMUP ORIFICE(S)** | | |
| Quantity | NA | |
| Size | NA | in |
| Flow | NA | gpm |
| Pressure Drop | NA | psig |
| **SEAL WATER CONNECTIONS** | | |
| Quantity | N/A internal to pump | |
| End Type | N/A internal to pump | |
| Size | N/A internal to pump | in |
| **INJECTION SEAL COOLING WATER REQUREMENTS** | | |
| Seal Injection Flow | N/A | gpm |
| Maximum Inlet Temperature | N/A | deg F |
| Maximum Inlet Pressure | N/A | psig |
| Minimum Inlet Pressure | N/A | psig |
| Temperature Rise | N/A | deg F |
| Heat Load | N/A | BTU/hr |
| Pressure Drop | N/A | psig |
| **LUBRICATING OIL SYSTEM** | | |
| Reservoir Capacity | See Lube Oil Cosole Quote | gallons |
| Oil Flow Rate | Pump requires ~~3.3~~ 6.6gpm / See motor quote for required motor oil flow rate as it varies with motor mfr's | gpm |
| Oil Pressure Required (At pump and motor interface connection) | Nominal 20 psig (Minimum 15 psig/Maximum 25 psig) | psig |
| Oil Temperature Rise | Varies (note: the desired oil outlet temperature is 120$^{o}$F, with an alarm set at 140$^{o}$F and the trip setting when it reaches 160$^{o}$F) | deg F |
| Total Heat Load | Pump requires ~~6714~~ 6489 BTU/Hr / See motor quote for required motor Heat Load as it varies with motor mfr's | BTU/hr |
| Reservoir Heater | See Lube Oil Cosole Quote | kW |
| Cooling Water Flow Rate | See Lube Oil Cosole Quote | gpm |
| Main/Auxiliary Oil Pump-Make and Model Number | / See Lube Oil Console Quote | |
| Main/Auxiliary Oil Pump Motor-Make and Model Number | NA - Shaft driven by Pump / See Lube Oil Cosnsole Quote | |
| Main/Auxiliary Oil Pump Motor Size | NA - Shaft driven by Pump / See Lube Oil Console Quote | hp |
| | | |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

## CONSTRUCTION

### PUMP CONNECTIONS

| | | Suction | Discharge | |
|---|---|---|---|---|
| Size | | 14 | 10 | in |
| ANSI Class Flange or Schedule | | N/A | N/A | |
| Weld End | | Weld End | Weld End | |
| Orientation | | Top | Top | |

| | | ALLOW. REACTION (HOT) | | | ALLOW. REACTION (COLD) | | |
|---|---|---|---|---|---|---|---|
| | **Units** | **Suction** | **Discharge** | | **Suction** | **Discharge** | |
| F, AXIAL | lb | 1600 | 1200 | | 1600 | 1200 | |
| F, VERTICAL | lb | 2000 | 1500 | | 2000 | 1500 | |
| F, TRANSVERSE | lb | 1300 | 1000 | | 1300 | 1000 | |
| M, AXIAL | ft lbs | 4700 | 3700 | | 4700 | 3700 | |
| M, VERTICAL | ft lbs | 3500 | 2800 | | 3500 | 2800 | |
| M, TRANSVERSE | ft lbs | 2300 | 1800 | | 2300 | 1800 | |

| | | |
|---|---|---|
| Impeller Wear Ring Radial Clearance (Eye Side) | FPD Standard | in |
| Injection Seal Radial Clearance | N/A | in |
| Shaft Diameter-At Eye | 3.94 | in |
| Shaft Diameter-Under Impeller Hub | 3.94 | in |
| Bearing Span | 41.53 | in |

### CRITICAL SPEEDS

| | |
|---|---|
| First | Later |
| Second | Later |

### PUMP SKID DIMENSIONS

| | | |
|---|---|---|
| Length | See Pump GA and Motor Quote | in |
| Width | See Pump GA and Motor Quote | in |
| Height | See Pump GA and Motor Quote | in |
| Weight | See Pump GA and Motor Quote | lbs |

### MAINTENANCE

| | | |
|---|---|---|
| Space Required to Replace Rotor | Later | in |
| Time required to replace rotor assembly (2 persons) | Later | hr |

## BOILER FEEDWATER PUMP INFORMATION

| | |
|---|---|
| Type | Horizontal, Double Case, Barrel Pump |
| Model Number | CHTA |
| Size | ~~75~~ 80 |
| Number of Stages | 6 |
| Suction Stage (Single/Twin) | Single |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | | **DS NO:** | PEDE-1-DS-151101-0001 | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | |
| **PLANT LOC:** | Pamplico SC | | **REV:** | 1 | **DATE:** 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

## GUARANTEED AND EXPECTED PERFORMANCE

| | GUARANTEED (AT DESIGN POINT) | | EXPECTED (AT NORMAL OPERATING POINT) | |
|---|---|---|---|---|
| Suction Capacity | 5440 | gpm | 4852 | gpm |
| Main Discharge Capacity | 5440 with IP closed | gpm | 4852 | gpm |
| IP Discharge Capacity | 0 (Closed) | gpm | 0 | gpm |
| Main Discharge Pressure | 4769.1 | psig | 4300 | psig |
| IP Discharge Pressure | 1675 - 2035.6 with IP Closed | psig | Later* (*Customer needs to advise suction pressure to booster pump and any looses between the booster pump and BFP)) | psig |
| Total Differential Head, Main Disch | 10630 with IP Closed | ft | Later * | ft |
| Total Differential Head, Inter. Press | 2560 - 3543 with IP Closed | ft | Later * | ft |
| Efficiency | 85% with IP Closed | % | Later* | % |
| BHP | ~~15, 307~~ 15,308 with IP Closed | hp | Later* | hp |
| NPSHR w/ IP ~~Open~~ Closed (Or Opened as noted) | ~~120~~ 129 feet basis suction capacity of 5440 gpm (or Note: if the IP is opened to an IP capacity open to 435 gpm and discharge capacity is reduced to 5005 gpm and 5800 rpm) | ft | Later* | ft |
| Shutoff Head - HP | ~~13655.4 +/-8%~~<br>13,206 +8%/-4.3% | ft | Later* | ft |
| Shutoff Head - IP | ~~4551.8 +/-8%~~<br>4402 +8%/-4.3% | ft | Later* | ft |
| Speed | ~~5800~~ 5500 | rpm | Later* | rpm |
| Flow as % of BEP | ~~106~~ 87% | ~~gpm~~ | Later* | gpm |

## EXPECTED PERFORMANCE

| | | |
|---|---|---|
| Minimum Flow Required | ~~1283~~ 1565 at rated speed (~~5800-~~ 5500rpm) | gpm |
| Maximum Runout Flow | 6528 (Basis 120% rated flow) | gpm |
| BHP Maximum at Runout | ~~15818~~ 15612 +/-5% with a SG = .891) | hp |
| BHP Maximum at 110% Overspeed at Runout | ~~21054~~ 20780 +/-5% with a SG = .891 | hp |
| IP Rise to Shutoff | ~~128.5 +/-8%~~ 124.3 +8% / -4.3% | % |
| HP Rise to Shutoff | ~~128.5 +/-8%~~ 124.3 +8% / -4.3% | % |
| ~~Suction Specific~~ Speed at Design Point | ~~5800~~ 5500 | rpm |
| Suction Impeller Diameter | ~~13.78~~ 14.107 | in |
| Normal Stage Impeller Diameter | ~~13.78~~ 14.107 | in |
| Radial Clearance Impeller OD-Diffuser/~~Volute~~ Tongue | FPD Standard 0.5643 | in |
| Max. Allowable Casing Pressure | Discharge ~~7750~~ 7550 / Suction 1050 | psig |
| Max. Allowable Casing Temperature (Differential on Startup) | 50 | deg F |
| Design Casing Pressure | Discharge ~~7750~~ 7550 / Suction 1050 | psig |
| Design Casing Temperature | 375 | deg F |
| Max. Safe Operating Speed | ~~6380~~ 6050 Overspeed Trip | rpm |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | | **DS NO:** | PEDE-1-DS-151101-0001 | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | |
| **PLANT LOC:** | Pamplico SC | | **REV:** | 1 | **DATE:** 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

| | | |
|---|---|---|
| Max. NPSHA Transient Pump can withstand | >/= NPSHR (Varies with speed and flow) | ft |
| Maximum Allowable Suction Temperature Transient | Recommend cool-down per minute 10°F and warm-up per minute 2°F | deg F |
| Max. Allowable Casing DifferentialTemperature on Start-Up | 50 | deg F |
| Hydrostatic Test Pressure | Dishcarge ~~11625~~ 11325 / Suction 1575 | psig |
| Pump Inertia (wR^2 dry) | ~~53.4~~ 189 | $LB\text{-}FT^2$ |
| Pump Inertia (wR^2 wet) | ~~58~~ 205 | $LB\text{-}FT^2$ |

### MATERIALS

| | |
|---|---|
| Outer Casing | ASTM A336 Class F11 |
| Inner Casing | ASTM A487 Gr CA-6NM |
| Diffuser~~/Volute~~ | ASTM A487 Gr CA-6NM |
| Rotating Balancing Device | Balance Drum - AISI Type 416 HT (BHN 262/302) |
| Stationary Balancing Device | Balancing Sleeve - AISI Type 416 HT(BHN 353/415) |
| Impellers | ASTM A217 Gr CA-15 (mod)/ A487 Gr. CA-6NM BHN (275/326)/ BHN (248) |
| Shaft | ASTM A276 Type 410 Cond.T |
| Shaft Sleeve | N/A |
| Seal Sleeve | AISI Type 416 HT (BHN - 353/415) |
| Seal Bushing | AISI Type 416 HT (BHN - 353/415) |
| Casing Wear Rings | AISI Type 416 HT (BHN - 353/415) |
| Baseplate | ASTM A36 |
| Gaskets | Barrel to Discharge Head Flexitallic/S-316-9 |
| External Pressure Bolts/Nuts | ASTM A193 Gr. B7 / ASTM A194 Gr. 2H |
| Internal Pressure Bolts/Nuts | ~~Later~~ 400 Series SS |

### BEARINGS

| | RADIAL | THRUST | |
|---|---|---|---|
| Type | Triland Sleeve | Kingsbury | |
| Lubrication | Forced Feed Oil | Force Feed Oil | |
| Thermocouples | One Each Radial Bearing | One on the Thrust Bearing | |

### WEIGHT:

| | | |
|---|---|---|
| Pump | ~~18060~~ 38860 | lb |
| Complete skid | ~~5000~~ 5200 | lb |
| Inner Assembly | ~~4000~~ 8400 | lb |
| Heaviest Lift (Installation) | ~~23060~~ 38860 | lb |
| Heaviest Lift (Maintenance) | ~~4000~~ 8400 | lb |

### WARMUP ORIFICE(S)

| | | |
|---|---|---|
| Quantity | One to serve Both BFP's and Booster Pumps | |
| Size | ~~Later~~ 2 | in |
| Flow | ~~85~~ 100 | gpm |
| Pressure Drop | ~~Later~~ Customer to Advise | psig |

### BALANCING ORIFICE(S)

| | | |
|---|---|---|
| Quantity | One per pump, if required | |
| Size | 1 to 1 1/2 | in |
| Flow | ~~75-105~~ 90-110 | gpm |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | | **DS NO:** | PEDE-1-DS-151101-0001 | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | |
| **PLANT LOC:** | Pamplico SC | | **REV:** | 1 | **DATE:** 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

### SEAL WATER CONNECTIONS

| | | |
|---|---|---|
| Quantity | One Supply and One Drain and One Bleed-off | |
| End Type | Flanged | |
| Size | Several (Varies in sizes) | in |

### INJECTION SEAL COOLING WATER REQUREMENTS

| | | |
|---|---|---|
| Seal Injection Flow | ~~Later~~ 30 - 50 per box (note bleed-off 40 to 60 per box, and drain 40 to 60 per box) | gpm |
| Maximum Inlet Temperature | 90 to ~~110~~ 120 | deg F |
| Maximum Inlet Pressure | ~~25 psi above maximum suction pressure~~ - Customer to Advise | psig |
| Minimum Inlet Pressure | 25 psig above ~~minimum~~ booster pump suction pressure | psig |
| Temperature Rise | Varies (Maximum 160$^{o}$F) | deg F |
| Heat Load | Varies | BTU/hr |
| Pressure Drop | Varies | psig |

### BALANCING DEVICE LEAKOFF LINE(S)

| | | |
|---|---|---|
| Quantity | One | |
| Size | ~~Later~~ 2 | in |
| Flow | ~~75 to 85~~ 90 to 110 | gpm |

### LUBRICATING OIL SYSTEM

| | | |
|---|---|---|
| Provided by | Owner | |
| Oil Flow Rate Required | ~~10.5~~ 19.5 at rated speed | gpm |
| Oil Pressure Required (At interface connection) | Nominal 20 (Minimum 15 / Maximum 25) | psig |
| Oil Temperature Rise | Varies (note: the desired oil outlet temperature is 120$^{o}$F, with an alarm set at 140$^{o}$F and the trip setting when it reaches 160$^{o}$F) | deg F |
| Total Heat Load | ~~44600~~ 82780 at rated speed | BTU/hr |

### CONSTRUCTION

### PUMP CONNECTIONS

| | Suction | Discharge | Bleed | |
|---|---|---|---|---|
| Size | ~~14~~ 18 | ~~12~~ 16 | 4 | in |
| ANSI Class Flange or Schedule | Sch 60 | Sch Special | Sch Special | |
| Weld End | Butt Weld End | Butt Weld End | Butt Weld End | |
| Orientation | Bottom | Top | Top | |

| | | ALLOW. REACTION (HOT) | | | ALLOW. REACTION (COLD) | | |
|---|---|---|---|---|---|---|---|
| | Units | Suction | Discharge | Bleed | Suction | Discharge | Bleed |
| F, AXIAL | lb | 7000 | 7000 | 320 | 7000 | 7000 | 320 |
| F, VERTICAL | lb | 7000 | 7000 | 400 | 7000 | 7000 | 400 |
| F, TRANSVERSE | lb | 7000 | 7000 | 260 | 7000 | 7000 | 260 |
| M, AXIAL | ft lbs | 20000 | 20000 | 980 | 20000 | 20000 | 980 |
| M, VERTICAL | ft lbs | 20000 | 20000 | 740 | 20000 | 20000 | 740 |
| M, TRANSVERSE | ft lbs | 20000 | 20000 | 1330 | 20000 | 20000 | 1330 |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

| | | |
|---|---|---|
| Suction Impeller Wear Ring Radial Clearance (Eye Side) | ~~0.013 / 0.018~~ .014 / .016 | in |
| Suction Impeller Wear Ring Radial Clearance (Hub Side) | ~~0.013 / 0.018~~ .014 / .016 | in |
| Normal Stage Impeller Wear Ring Radial Clearance (Eye Side) | ~~0.013 / 0.018~~ .014 / .016 | in |
| Normal Stage Impeller Wear Ring Radial Clearance (Hub Side) | ~~0.013 / 0.018~~ .014 / .016 | in |
| Injection Seal Radial Clearance | 0.012 / 0.016 | in |
| Balance Device Radial Clearance | ~~0.013 / 0.018~~ .014 / .016 | in |
| Balance Device Axial Clearance | Varies (Self Compensating) | |
| Shaft Diameter-At Eye | ~~4.875~~ 6 1/4 | in |
| Shaft Diameter-Under Impeller Hub | ~~4.875~~ 6 1/4 | in |
| Bearing Span | ~~77.125~~ 85.5 | in |
| **CRITICAL SPEEDS** | | |
| First | >/=~~7250~~ 7260 rpm (wet) | |
| Second | >/=~~7450~~ 7460 rpm (wet) | |
| **PUMP SKID DIMENSIONS** | | |
| Length | See Pump GA | in |
| Width | See Pump GA | in |
| Height | See Pump GA | in |
| Weight | later | lbs |
| **MAINTENANCE** | | |
| Space Required to Replace Inner Assembly | See Pump GA | in |
| Time required to replace inner rotating assembly (2 persons) | Varies with Tools and Personel | hr |

## STARTUP BOILER FEEDWATER PUMP INFORMATION

| | | |
|---|---|---|
| Type | Horizontal, Double Case, Barrel Pump | |
| Model Number | CSB | |
| Size | 4X12 | |
| Number of Stages | 12 | |
| Suction Stage (Single/Twin) | Single | |
| **GUARANTEED PERFORMANCE** | | |
| | **GUARANTEED (AT DESIGN POINT)** | |
| Capacity | 1200 | gpm |
| Discharge Pressure | 2680.97 | psig |
| Total Differential Head | 6400 | ft |
| Efficiency | 76.6 | % |
| BHP | 2429 | hp |
| NPSHR | 30.9 | ft |
| Shutoff Head | 8417.1 +/-8% | ft |
| Speed | 3580 | rpm |
| Flow as % of BEP | 97.5 | % |
| Minimum Flow Required | 308 | gpm |
| Maximum Runout Flow | 1440 (Basis 120% Rated flow) | gpm |
| BHP Maximum at Runout | 2504 +/- 5% | hp |
| Head Rise to Shutoff | 131.5 +/-8% | % |
| ~~Suction Specific~~ Speed at Design Point | 3580 | rpm |
| Suction Impeller Diameter | 12.5 | in |
| Normal Stage Impeller Diameter | 12.5 | in |
| Radial Clearance Impeller OD-Diffuser~~/Volute~~ Tongue | FPD Standard 0.5073 | in |
| Max. Allowable Casing Pressure | Discharge 4370 / Suction 250 | psig |
| Max. Allowable Casing Temperature (Differential on Startup) | 50 | deg F |
| Design Casing Pressure | Discharge 4370 / Suction 250 | psig |
| Design Casing Temperature | 375 | deg F |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | | **DS NO:** | PEDE-1-DS-151101-0001 | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | |
| **PLANT LOC:** | Pamplico SC | | **REV:** | 1 | **DATE:** 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

| | | | |
|---|---|---|---|
| Max. Safe Operating Speed | | 3600 | rpm |
| Max. NPSHA Transient Pump can withstand | | >/= NPSHR Varies with Flow | ft |
| Maximum Allowable Suction Temperature Transient | | Recommend cool-down per minute 10$^{o}$F and warm-up per minute 2$^{o}$F | deg F |
| Max. Allowable Casing DifferentialTemperature on Start-Up | | 50 | deg F |
| Hydrostatic Test Pressure | | Discharge 6555 / Suction 375 | psig |
| Pump Inertia (wR^2 dry) | | 55.2 | LB-FT$^{2}$ |
| Pump Inertia (wR^2 wet) | | 60 | LB-FT$^{2}$ |
| **MATERIALS** | | | |
| Outer Casing | | ASTM A336 Class F11 | |
| Inner Casing | | ASTM A487 Gr CA-6NM | |
| Diffuser~~/Volute~~ | | ASTM A487 Gr CA-6NM | |
| Rotating Balancing Device | | Balance Drum - AISI Type 416 HT (BHN 262/302) | |
| Stationary Balancing Device | | Balancing Sleeve - AISI Type 416 HT(BHN 353/415) | |
| Impellers | | (275/326)/ BHN (248) | |
| Shaft | | ASTM A276 Type 410 Cond.T | |
| Shaft Sleeve | | N/A | |
| Seal Sleeve - Mechanical Seal | | 316 SS | |
| Seal Bushing | | N/A | |
| Casing Wear Rings | | AISI Type 416 HT (BHN - 353/415) | |
| Baseplate | | ASTM A36 | |
| Gaskets | | Barrel to Discharge Head Flexitallic/S-316-9 | |
| External Pressure Bolts/Nuts | | ASTM A193 Gr. B7 / ASTM A194 Gr. 2H | |
| Internal Pressure Bolts/Nuts | | ~~Later~~ 400 Series SS | |
| **BEARINGS** | | | |
| | **RADIAL** | **THRUST** | |
| Type | Sleeve | Kingsbury | |
| Lubrication | Forced Feed Oil | Force Feed Oil | |
| Thermocouples | One Each Radial Bearing | One on the Thrust Bearing | |
| **WEIGHT:** | | | |
| Pump | | 10700 | lb |
| Complete skid | | 5750 | lb |
| Inner Assembly | | 2943 | lb |
| Heaviest Lift (Installation) | | 16450 Plus LOS | lb |
| Heaviest Lift (Maintenance) | | See Motor Weight | lb |
| **WARMUP ORIFICE(S)** | | | |
| Quantity | | Two | |
| Size | | Later | in |
| Flow | | 30 | gpm |
| Pressure Drop | | Later | psig |
| **BALANCING ORIFICE(S)** | | | |
| Quantity | | One | |
| Size | | Later | in |
| Flow | | 40 to 50 | gpm |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | | **DS NO:** | PEDE-1-DS-151101-0001 | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | |
| **PLANT LOC:** | Pamplico SC | | **REV:** | 1 | **DATE:** 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

| | | |
|---|---|---|
| **SEAL WATER CONNECTIONS** | | |
| Quantity | N/A internal to pump | |
| End Type | N/A Internal to pump | |
| Size | N/A internal to pump | in |
| **INJECTION SEAL COOLING WATER REQUREMENTS** | | |
| Seal Injection Flow | N/A | gpm |
| Maximum Inlet Temperature | N/A] | deg F |
| Maximum Inlet Pressure | N/A | psig |
| Minimum Inlet Pressure | N/A | psig |
| Temperature Rise | N/A | deg F |
| Heat Load | N/A | BTU/hr |
| Pressure Drop | N/A | psig |
| **BALANCING DEVICE LEAKOFF LINE(S)** | | |
| Quantity | One, if required | |
| Size | Later | in |
| Flow | 40 to 50 | gpm |
| **LUBRICATING OIL SYSTEM** | | |
| Reservoir Capacity | See Lube Oil Cosole Quote | gallons |
| Oil Flow Rate | Pump requires 5 gpm / See motor quote for required motor oil flow rate as it varies with motor mfr's | gpm |
| Oil Pressure Required (At pump and motor interface connection) | Nominal 20 psig (Minimum 15 psig/Maximum 25 psig) | psig |
| Oil Temperature Rise | Varies (note: the desired oil outlet temperature is 120$^{o}$F, with an alarm set at 140$^{o}$F and the trip setting when it reaches 160$^{o}$F) | deg F |
| Total Heat Load | Pump requires 15,282 BTU/Hr / See motor quote for required motor Heat Load as it varies with motor mfr's | BTU/hr |
| Reservoir Heater | See Lube Oil Cosole Quote | kW |
| Cooling Water Flow Rate | See Lube Oil Cosole Quote | gpm |
| Main/Auxiliary Oil Pump-Make and Model Number | / See Lube Oil Console Quote | |
| Main/Auxiliary Oil Pump Motor-Make and Model Number | NA - Shaft driven by Pump / See Lube Oil Cosnsole Quote | |
| Main/Auxiliary Oil Pump Motor Size | NA - Shaft driven by Pump / See Lube Oil Console Quote | hp |
| | | |

# Boiler Feedwater Pump Datasheet

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Generating Station Unit 1 | **DS NO:** | PEDE-1-DS-151101-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Boiler Feedwater Pumps, Booster Pumps & Startup Pump | | |
| **PLANT LOC:** | Pamplico SC | **REV:** | 1 | **DATE:** | 27-Feb-07 |
| **COST CODE:** | 151101 | **EQ Tags:** | 1-FW-P-1001A & B, 1-FW-P-1002A & B, 1-FW-P-1003 | | |

### CONSTRUCTION

### PUMP CONNECTIONS

| | Suction | Discharge | |
|---|---|---|---|
| Size | 6 | 4 | in |
| ANSI Class Flange or Schedule | Sch 40 | Sch 160 XX | |
| Weld End | Butt Weld End | Butt Weld End | |
| Orientation | Top | Top | |

| | | **ALLOW. REACTION (HOT)** | | | **ALLOW. REACTION (COLD)** | | |
|---|---|---|---|---|---|---|---|
| | **Units** | **Suction** | **Discharge** | | **Suction** | **Discharge** | |
| F, AXIAL | lb | 5100 | 5100 | | 5100 | 5100 | |
| F, VERTICAL | lb | 5100 | 5100 | | 5100 | 5100 | |
| F, TRANSVERSE | lb | 5100 | 5100 | | 5100 | 5100 | |
| M, AXIAL | ft lbs | 13000 | 13000 | | 13000 | 13000 | |
| M, VERTICAL | ft lbs | 13000 | 13000 | | 13000 | 13000 | |
| M, TRANSVERSE | ft lbs | 13000 | 13000 | | 13000 | 13000 | |

| | | |
|---|---|---|
| Suction Impeller Wear Ring Radial Clearance (Eye Side) | 0.012 / 0.014 | in |
| Suction Impeller Wear Ring Radial Clearance (Hub Side) | 0.012 / 0.014 | in |
| Normal Stage Impeller Wear Ring Radial Clearance (Eye Side) | 0.012 / 0.014 | in |
| Normal Stage Impeller Wear Ring Radial Clearance (Hub Side) | 0.012 / 0.014 | in |
| Injection Seal Radial Clearance | N/A | |
| Balance Device Radial Clearance | 0.012 / 0.014 | in |
| Balance Device Axial Clearance | Varies (self compensating) | |
| Shaft Diameter-At Eye | 3.5 | in |
| Shaft Diameter-Under Impeller Hub | 3.5 | in |
| Bearing Span | 87.06 | in |

### CRITICAL SPEEDS

| | |
|---|---|
| First | >/= 4285 rpm (wet) |
| Second | >/= 4400 rpm (wet) |

### PUMP SKID DIMENSIONS

| | | |
|---|---|---|
| Length | See GA Drawing | in |
| Width | See GA Drawing | in |
| Height | See GA Drawing | in |
| Weight | Later | lbs |

### MAINTENANCE

| | | |
|---|---|---|
| Space Required to Replace Inner Assembly | See GA Drawing | in |
| Time required to replace inner rotating assembly (2 persons) | Varies with Tools and Personel | hr |

# Steam Turbine Data Sheet - Guaranteed and Predicted Performance

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-011001-0001 | | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Steam Turbine and Accessories, Technical Datasheet | | |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 | **DATE:** | 16-Aug-06 |
| **COST CODE:** | 011001 | **EQ TAGs:** | 1-TG-TRB-1001 | | |

**Contractor to complete all shaded portions**

| | | | **Case 1** | **Case 2** | **Case 3** |
|---|---|---|---|---|---|
| Description | | | Normal Operating Pressure, 95% throttle condition | Normal Operating Pressure, Valves Wide Open | 5% Overpressure, Valves Wide Open |
| Parameter | | Units | **GUARANTEED** | **PREDICTED** | **PREDICTED** |
| HP Steam @ Stop Valve | | | | | |
| | Temperature | °F | 1,050.0 | 1,050.0 | 1,050.0 |
| | Flow | lb/hr | 4,179,867.0 | 4,385,495.0 | 4,624,066.0 |
| | Pressure | psia | 3,515.0 | 3,515.0 | 3,690.0 |
| Hot Reheat Stm @ St Vlv | | | | | |
| | Temperature | °F | 1,100.0 | 1,100.0 | 1,100.0 |
| | Flow | lb/hr | 3,219,314.0 | 3,358,589.0 | 3,519,857.0 |
| | Pressure | psia | 739.8 | 772.5 | 809.3 |
| Extraction No. 1 | | | | | |
| | Temperature | °F | 158.0 | 159.7 | 161.2 |
| | Flow | lb/hr | 60,914.0 | 67,802.0 | 75,244.0 |
| | Pressure | psia | 4.53 | 4.71 | 4.88 |
| Extraction No. 2 | | | | | |
| | Temperature | °F | 196.4 | 198.2 | 200.3 |
| | Flow | lb/hr | 102,512.0 | 107,842.0 | 114,153.0 |
| | Pressure | psia | 10.7 | 11.1 | 11.5 |
| Extraction No. 3 | | | | | |
| | Temperature | °F | 383.1 | 382.7 | 380.7 |
| | Flow | lb/hr | 182,103.0 | 191,421.0 | 202,258.0 |
| | Pressure | psia | 37.2 | 38.7 | 40.2 |

# Steam Turbine Data Sheet - Guaranteed and Predicted Performance

| | | | | |
|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | **DS NO:** | PEDE-1-DS-011001-0001 | |
| **CUSTOMER:** | Santee Cooper | **DESC:** | Steam Turbine and Accessories, Technical Datasheet | |
| **PLANT LOC:** | Johnsonville, SC | **REV:** | 0 | **DATE:** 16-Aug-06 |
| **COST CODE:** | 011001 | **EQ TAGs:** | 1-TG-TRB-1001 | |

**Contractor to complete all shaded portions**

| | | | **Case 1** | **Case 2** | **Case 3** |
|---|---|---|---|---|---|
| Description | | | Normal Operating Pressure, 95% throttle condition | Normal Operating Pressure, Valves Wide Open | 5% Overpressure, Valves Wide Open |
| Parameter | | Units | **GUARANTEED** | **PREDICTED** | **PREDICTED** |
| Extraction No. 4 | | | | | |
| | Temperature | °F | 471.0 | 470.5 | 468.8 |
| | Flow | lb/hr | 84,338.0 | 89,019.0 | 94,565.0 |
| | Pressure | psia | 59.2 | 61.6 | 64.1 |
| Extraction No. 5 | | | | | |
| | Temperature | °F | 639.1 | 638.2 | 636.4 |
| | Flow | lb/hr | 157,828.0 | 166,282.0 | 175,485.0 |
| | Pressure | psia | 137.6 | 143.2 | 149.0 |
| Extraction No. 6 | | | | | |
| | Temperature | °F | 833.4 | 833.0 | 831.8 |
| | Flow | lb/hr | 178,845.0 | 189,606.0 | 200,371.0 |
| | Pressure | psia | 290.0 | 302.5 | 315.8 |
| Extraction No. 7 | | | | | |
| | Temperature | °F | 651.1 | 659.7 | 658.2 |
| | Flow | lb/hr | 470,502.0 | 499,744.0 | 538,565.0 |
| | Pressure | psia | 822.0 | 858.4 | 899.2 |
| Extraction No. 8 | | | | | |
| | Temperature | °F | 772.1 | 783.6 | 781.5 |
| | Flow | lb/hr | 342,799.0 | 372,084.0 | 402,156.0 |
| | Pressure | psia | 1,303.7 | 1,370.7 | 1,434.5 |

# Steam Turbine Data Sheet - Guaranteed and Predicted Performance

| | | | | | | |
|---|---|---|---|---|---|---|
| **PROJECT:** | Pee Dee Unit 1 | | **DS NO:** | PEDE-1-DS-011001-0001 | | |
| **CUSTOMER:** | Santee Cooper | | **DESC:** | Steam Turbine and Accessories, Technical Datasheet | | |
| **PLANT LOC:** | Johnsonville, SC | | **REV:** | 0 | **DATE:** | 16-Aug-06 |
| **COST CODE:** | 011001 | | **EQ TAGs:** | 1-TG-TRB-1001 | | |

**Contractor to complete all shaded portions**

| | | | **Case 1** | **Case 2** | **Case 3** |
|---|---|---|---|---|---|
| Description | | | Normal Operating Pressure, 95% throttle condition | Normal Operating Pressure, Valves Wide Open | 5% Overpressure, Valves Wide Open |
| Parameter | | Units | **GUARANTEED** | **PREDICTED** | **PREDICTED** |
| Cold Reheat Stm @ Terminal Point | | | | | |
| | Temperature | °F | 651.1 | 659.7 | 658.2 |
| | Flow | klb/hr | 3,212,569.0 | 3,351,939.0 | 3,512,840.0 |
| | Pressure | psia | 822.0 | 858.4 | 899.2 |
| Exhaust to Condenser | | | | | |
| | Temperature | °F | 109.3 / 119.9 | 109.3 / 119.9 | 109.3 / 119.9 |
| | Flow | lb/hr | 1169843/1169843 | 1215195/1215195 | 1260460/1260460 |
| | Pressure | inHgA | 2.55 / 3.45 | 2.55 / 3.45 | 2.55 / 3.45 |
| | Enthalpy | Btu/lb | 1017.6 / 1031.3 (UEEP) | 1015.6 / 1028.2 (UEEP) | 1013.4 / 1024.9 (UEEP) |
| Electric Power | | | | | |
| | @ Gen Terminals | kW | 615,045.0 | 639,152.0 | 668,533.0 |
| | Contractor Aux load | kW | 11,710.0 | 12,113.0 | 12,640.0 |
| | Power Factor | | 0.9 | 0.9 | 0.9 |
| | Turbine Generator Net Heat Rate | Btu / kW-hr | 7,396.0 | 7,384.0 | 7,367.0 |

WORLEYPARSONS RESOURCES & ENERGY
PEDE UNIT 1 PROJECT

____ REVIEWED AND ACCEPTED

____ REVIEWED AND ACCEPTED AS NOTED
(RESUBMIT FOR RECORD)

____ NOT ACCEPTED (RESUBMIT FOR REVIEW)

_X__ FOR INFORMATION ONLY (REVIEW WAIVED)

THE REVIEW OF THIS SUBMITTAL IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPTS OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION IN THE CONTRACT. THE SUBMITTAL VENDOR IS FULLY RESPONSIBLE FOR; FULL COMPLIANCE WITH THE PROJECT REQUIREMENTS; FOR DIMENSIONS TO BE CONFORMED AND/OR RELATED AT/TO THE JOBSITE; FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS; FOR DESIGNS ORIGINATED BY HIM/HER; FOR TECHNIQUES OF CONSTRUCTION AND; FOR COORDINATION OF THE WORK OF ALL TRADES. SUBMITTAL REVIEW DOES NOT CONSTITUTE A CHANGE ORDER AND DOES NOT ALTER ANY CONTRACT TERMS AND CONDITIONS.

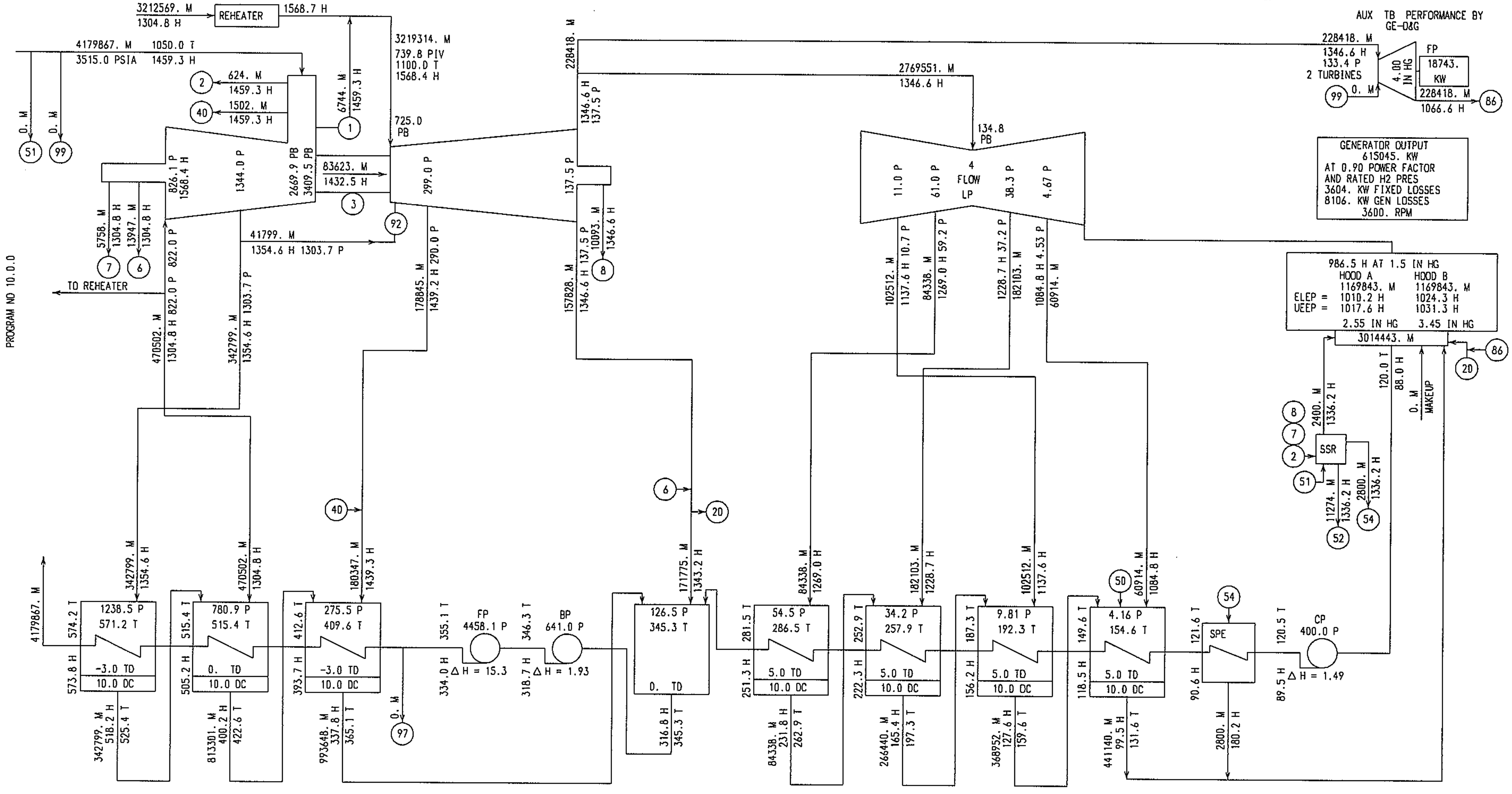
DATE ________________ BY ____________________

PEDE-1-DV-011001-HEAT-BALANCE-R1.pdf

502046S1_C1

TURBINE AND EXTRACTION ARRANGEMENT IS SCHEMATIC ONLY

THE VALUE OF GENERATOR OUTPUT SHOWN ON THIS HEAT BALANCE IS AFTER ALL POWER FOR EXCITATION AND OTHER TURBINE-GENERATOR AUXILIARIES HAS BEEN DEDUCTED



VALUE BEST POINT
NET HEAT RATE

$$= \frac{4179867.\ (\ 1459.3 - 573.8\ ) + 3212569.\ (\ 1568.7 - 1304.8\ )}{615045.} = 7396\ \frac{\text{BTU}}{\text{KW-HR}}$$

LEGEND - CALCULATIONS BASED ON 1967 ASME STEAM TABLES
M - FLOW-LB/HR
P - PRESSURE-PSIA
H - ENTHALPY-BTU/LB
T - TEMPERATURE-F DEGREES

615045. KW    2.55 / 3.45 IN HG ABS    0. PCT MU
TC4F 30.0 IN LSB    3600 RPM
3515.0 PSIA    1050. / 1100. T
GEN-    0.90 PF LIO

GENERAL ELECTRIC COMPANY, SCHENECTADY NY

SANTEE COOPER G12-4F30

600MW SUPERCRITICAL RATING CASE-1
502046S1_C1

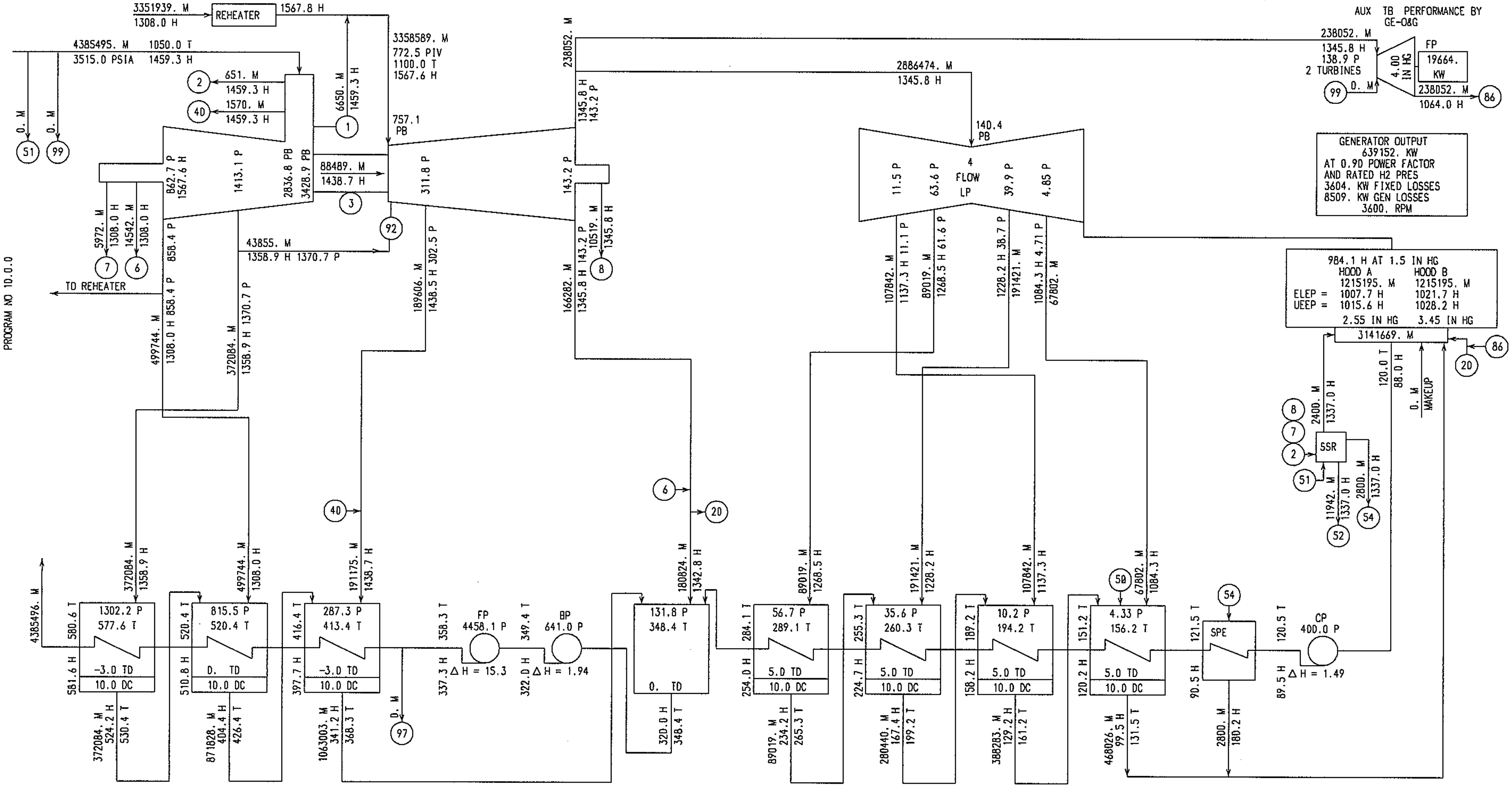
11/09/06

502046S1_C2

TURBINE AND EXTRACTION ARRANGEMENT IS SCHEMATIC ONLY

CALCULATED DATA - NOT GUARANTEED

RATING FLOW IS 4176662. M AT INLET STEAM CONDITIONS OF 3515.0 PSIA AND 1050.0 T TO ASSURE THAT THE TURBINE WILL PASS THIS FLOW, CONSIDERING VARIATIONS IN FLOW COEFFICIENTS FROM EXPECTED VALUES, SHOP TOLERANCES ON DRAWING AREAS, ETC, WHICH MAY AFFECT THE FLOW, THE TURBINE IS BEING DESIGNED FOR A DESIGN FLOW (RATING FLOW PLUS 5.0 PERCENT) OF 4385495. M
THE VALUE OF GENERATOR OUTPUT SHOWN ON THIS HEAT BALANCE IS AFTER ALL POWER FOR EXCITATION AND OTHER TURBINE-GENERATOR AUXILIARIES HAS BEEN DEDUCTED



VALVE BEST POINT NET HEAT RATE $= \dfrac{4385495.\ (1459.3 - 581.6) + 3351939.\ (1567.8 - 1308.0)}{639152.} = 7384\ \dfrac{\text{BTU}}{\text{KW-HR}}$

LEGEND - CALCULATIONS BASED ON 1967 ASME STEAM TABLES
M - FLOW-LB/HR
P - PRESSURE-PSIA
H - ENTHALPY-BTU/LB
T - TEMPERATURE-F DEGREES

| | | | |
|---|---|---|---|
| 615045. KW | 2.55 / 3.45 IN HG ABS | 0. | PCT MU |
| TC4F 30.0 IN LSB | 3600 RPM | | |
| 3515.0 PSIA | 1050. / 1100. T | | |
| GEN- | 0.90 PF LIO | | |

GENERAL ELECTRIC COMPANY, SCHENECTADY NY

SANTEE COOPER G12-4F30

600MW SUPERCRITICAL VWO-NP CASE-2
502046S1_C2

11/21/06

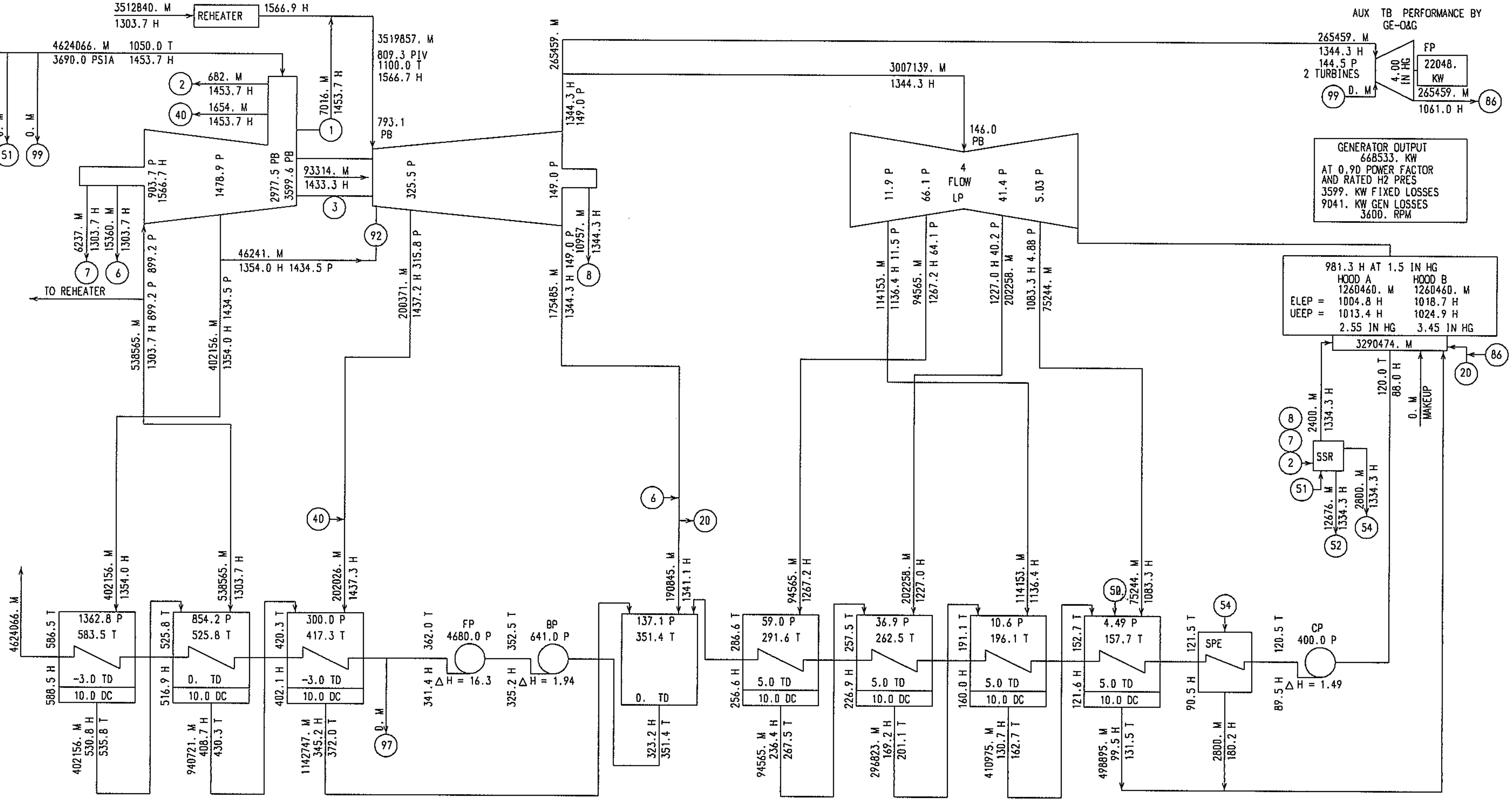
502046S1_C3

TURBINE AND EXTRACTION ARRANGEMENT IS SCHEMATIC ONLY

CALCULATED DATA - NOT GUARANTEED

RATING FLOW IS 4176662. M AT INLET STEAM CONDITIONS OF 3515.0 PSIA AND 1050.0 T TO ASSURE THAT THE TURBINE WILL PASS THIS FLOW, CONSIDERING VARIATIONS IN FLOW COEFFICIENTS FROM EXPECTED VALUES, SHOP TOLERANCES ON DRAWING AREAS, ETC, WHICH MAY AFFECT THE FLOW, THE TURBINE IS BEING DESIGNED FOR A DESIGN FLOW (RATING FLOW PLUS 5.0 PERCENT) OF 4385495. M
THE EQUIVALENT DESIGN FLOW AT 3690.0 PSIA AND 1050.0 T IS 4624066. M
THE VALUE OF GENERATOR OUTPUT SHOWN ON THIS HEAT BALANCE IS AFTER ALL POWER FOR EXCITATION AND OTHER TURBINE-GENERATOR AUXILIARIES HAS BEEN DEDUCTED

PROGRAM NO 10.0.0



VALVE BEST POINT NET HEAT RATE $= \dfrac{4624066.\ (\ 1453.7 - 588.5\ ) + 3512840.\ (\ 1566.9 - 1303.7\ )}{668533.} = 7367\ \dfrac{\text{BTU}}{\text{KW-HR}}$

LEGEND - CALCULATIONS BASED ON 1967 ASME STEAM TABLES
M - FLOW-LB/HR
P - PRESSURE-PSIA
H - ENTHALPY-BTU/LB
T - TEMPERATURE-F DEGREES

615045. KW 2.55 / 3.45 IN HG ABS 0. PCT MU
TC4F 30.0 IN LSB 3600 RPM
3515.0 PSIA 1050. / 1100. T
GEN- 742800. KVA 0.90 PF LIQ

600MW SUPERCRITICAL VWO-OP CASE-3

GENERAL ELECTRIC COMPANY, SCHENECTADY NY

SANTEE COOPER G12-4F30

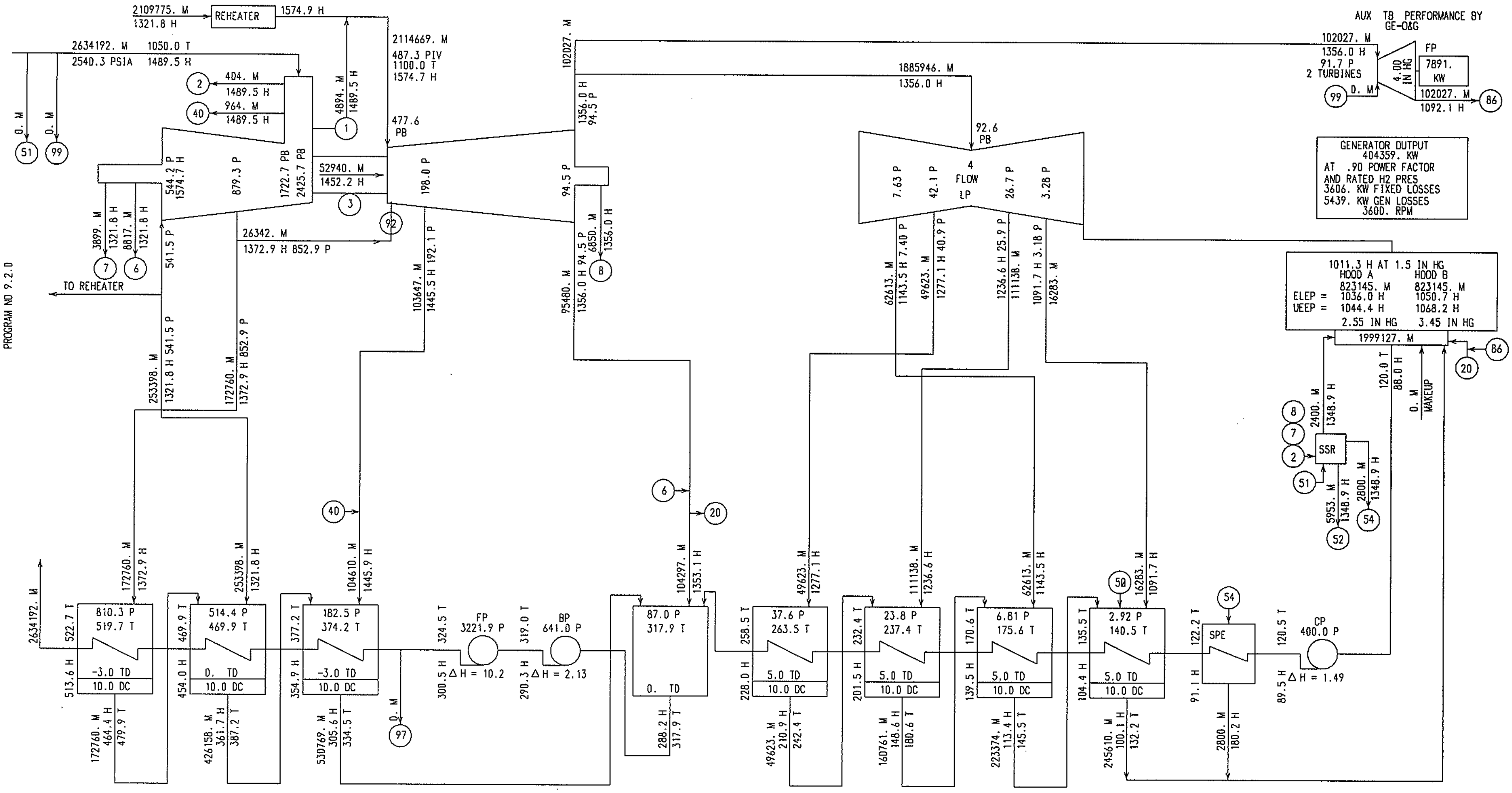
502046S1_C3

11/21/06

502046s1_PL-1

TURBINE AND EXTRACTION ARRANGEMENT IS SCHEMATIC ONLY

THE VALUE OF GENERATOR OUTPUT SHOWN ON THIS HEAT BALANCE IS AFTER ALL POWER FOR EXCITATION AND OTHER TURBINE-GENERATOR AUXILIARIES HAS BEEN DEDUCTED



$$\text{VALVE BEST POINT NET HEAT RATE} = \frac{2634192.\ (\ 1489.5 - 513.6\ ) + 2109775.\ (\ 1574.9 - 1321.8\ )}{404359.} = 7678\ \frac{\text{BTU}}{\text{KW-HR}}$$

# 60% LOAD OF VWO-NP

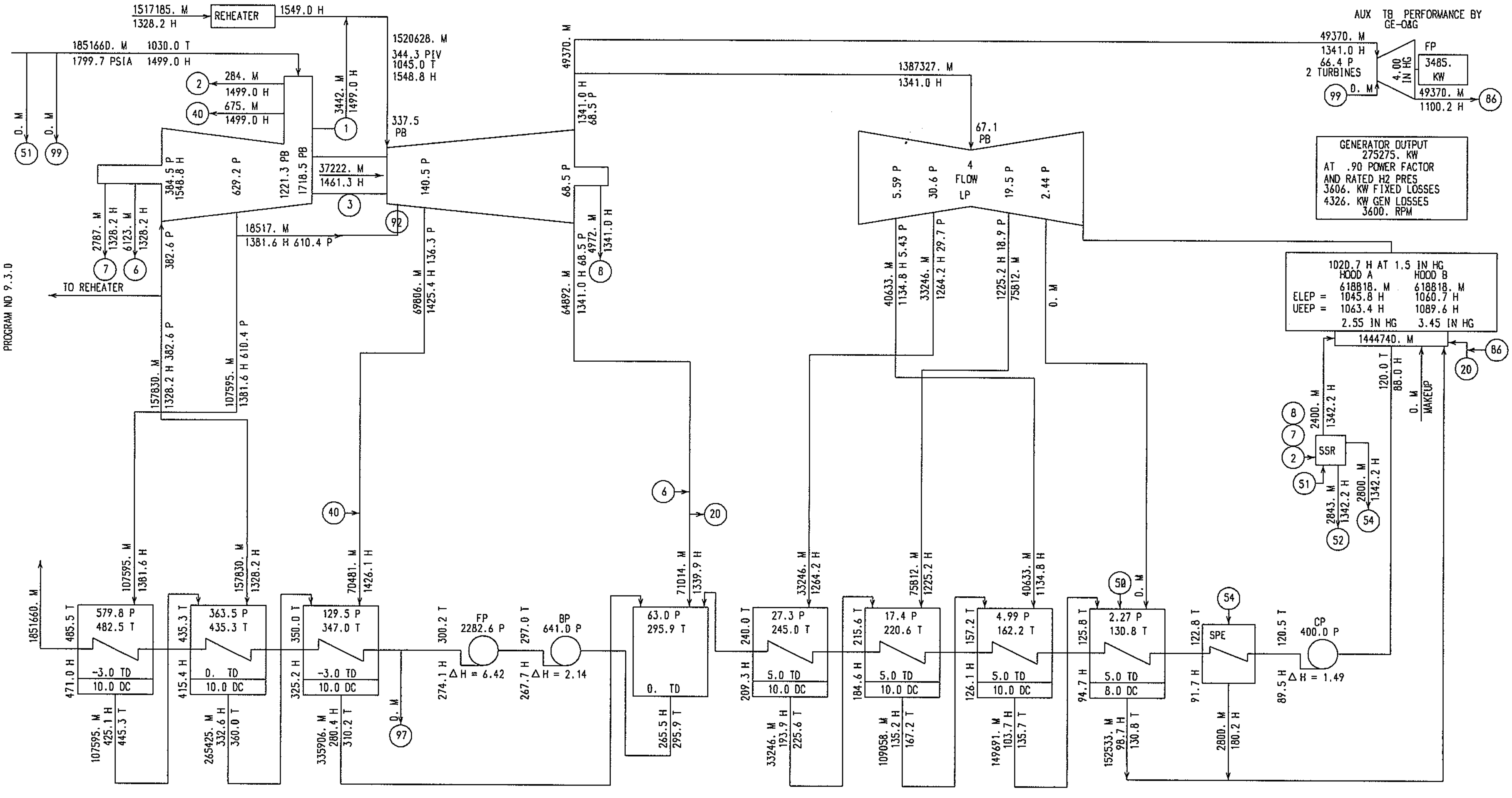
LEGEND - CALCULATIONS BASED ON 1967 ASME STEAM TABLES
M - FLOW-LB/HR
P - PRESSURE-PSIA
H - ENTHALPY-BTU/LB
T - TEMPERATURE-F DEGREES

615045. KW 2.55 / 3.45 IN HG ABS 0. PCT MU
TC4F 30.0 IN LSB 3600 RPM
3515.0 PSIA 1050. / 1100. T
GEN- 743700. KVA .90 PF LIQ

502046s1_PL-

TURBINE AND EXTRACTION ARRANGEMENT IS SCHEMATIC ONLY

THE VALUE OF GENERATOR OUTPUT SHOWN ON THIS HEAT BALANCE IS AFTER ALL POWER FOR EXCITATION AND OTHER TURBINE-GENERATOR AUXILIARIES HAS BEEN DEDUCTED



$$\text{VALVE BEST POINT NET HEAT RATE} = \frac{1851660.\ (\ 1499.0 - 471.0\ ) + 1517185.\ (\ 1549.0 - 1328.2\ )}{275275.} = 8132\ \frac{\text{BTU}}{\text{KW-HR}}$$

# REV-40% LOAD OF VWO-OP

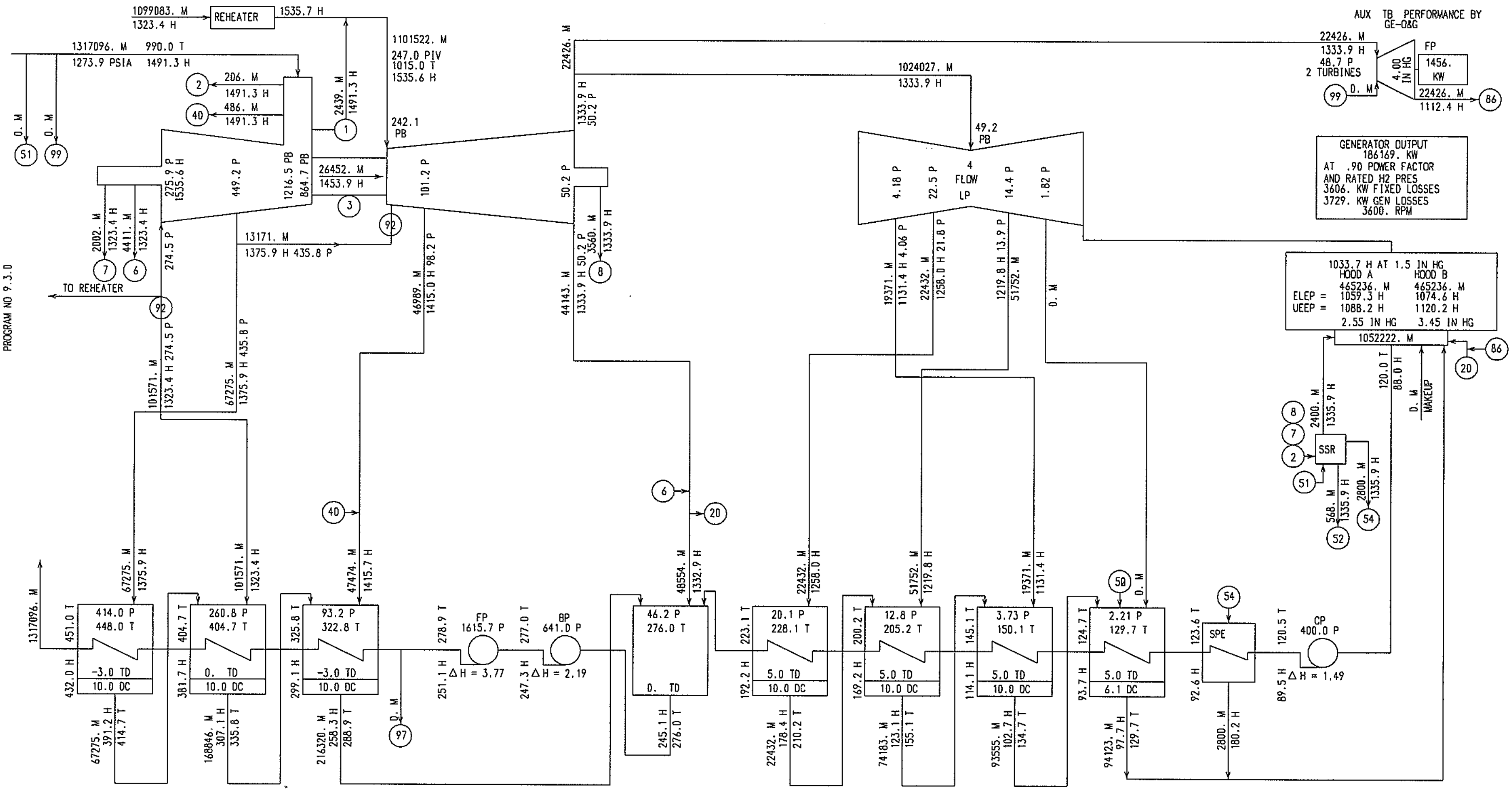
LEGEND - CALCULATIONS BASED ON 1967 ASME STEAM TABLES
M - FLOW-LB/HR
P - PRESSURE-PSIA
H - ENTHALPY-BTU/LB
T - TEMPERATURE-F DEGREES

615045. KW 2.55 / 3.45 IN HG ABS 0. PCT MU
TC4F 30.0 IN LSB 3600 RPM
3515.0 PSIA 1050. / 1100. T
GEN- 743700. KVA .90 PF LIQ

502046s1_PL-5

TURBINE AND EXTRACTION ARRANGEMENT IS SCHEMATIC ONLY

THE VALUE OF GENERATOR OUTPUT SHOWN ON THIS HEAT BALANCE IS AFTER ALL POWER FOR EXCITATION AND OTHER TURBINE-GENERATOR AUXILIARIES HAS BEEN DEDUCTED



$$\text{VALVE BEST POINT NET HEAT RATE} = \frac{1317096.\ (\ 1491.3 - 432.0\ ) + 1099083.\ (\ 1535.7 - 1323.4\ )}{186169.} = 8747\ \frac{\text{BTU}}{\text{KW-HR}}$$

## REV-30% LOAD OF VWO-NP

LEGEND - CALCULATIONS BASED
ON 1967 ASME STEAM TABLES
M - FLOW-LB/HR
P - PRESSURE-PSIA
H - ENTHALPY-BTU/LB
T - TEMPERATURE-F DEGREES

615045. KW 2.55 / 3.45 IN HG ABS 0. PCT MU
TC4F 30.0 IN LSB 3600 RPM
3515.0 PSIA 1050. / 1100. T
GEN- 743700. KVA .90 PF LIQ

GENERAL ELECTRIC COMPANY, SCHENECTADY NY SANTEE COOPER G12-4F30 502046s1_PL-5 10/03/06