



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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DEC 10 1980

REGISTRATION SERVICES
MAIL ROOM

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REGISTRATION

Docket No. 50-201

MEMORANDUM FOR: Leland C. Rouse, Chief
Advanced Fuel and Spent Fuel Licensing Branch

FROM: Charles J. Haughney
Advanced Fuel and Spent Fuel Licensing Branch

SUBJECT: MEETING SUMMARY

LICENSEES: Nuclear Fuel Services, Inc. (NFS) and
New York State Energy Research and Development
Authority (NYSERDA)
(License No. CSF-1)

FACILITY: Western New York Nuclear Service Center,
West Valley, New York

Purpose: To discuss the progress of NFS efforts to process
technical data useful for future decontamination
and decommissioning of the West Valley facility.

Place and Date: Nuclear Regulatory Commission (NRC), Office of
Nuclear Material Safety and Safeguards, Silver Spring,
Maryland; December 10, 1980

Participants: Please see attached list.

Index of Facility Design Data:

The index for plant area 01/14, the Iodine Removal and Acid Recovery System, has been completed. A copy of this portion of the index is attached. The next area to be indexed will be plant area 08, Acid Handling Addition.

Report of Decontamination History

A section of the report summarizing the effectiveness of the various decontamination methods used has been completed as a draft working paper. The final sections, which describe decontamination efforts in miscellaneous areas such as the solvent storage terrace, hot acid cell and cell access aisle, remain to be prepared and are expected to be completed prior to the next meeting.

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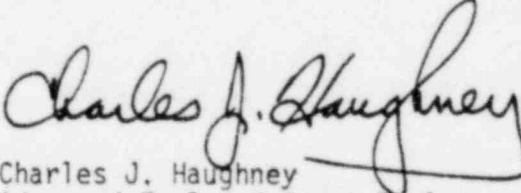
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Leland C. Rouse

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Next Meeting

The next meeting is presently scheduled for Wednesday, February 11, 1981 at the NRC offices in Silver Spring, MD.


Charles J. Haughney
Advanced Fuel and Spent Fuel
Licensing Branch
Division of Fuel Cycle and
Material Safety

December 10, 1980

Meeting Among NRC, NFS, NYSERDA

Participants

<u>Name</u>	<u>Organization</u>
C. J. Haughney	NRC-FCAF
W. W. Ting	* NRC-FCAF
J. R. Clark	NFS
N. J. Newman	NFS
T. K. DeBoer	NYSERDA
J. P. Duckworth	NFS

The new Iodine Removal and Acid Recovery System (01/14) was constructed by Dravo Corporation (Blaw-Knox) as part of the Revamp and Expansion program started in 1969 by NFS. Construction was completed with the exception of the connections to the then existing plant systems which had carried radioactive liquids and gases.

AREA 01/14 IODINE REMOVAL AND ACID RECOVERY SYSTEM

1.0 PROCESS

1.1 Drawo Drawings (Blaw-Knox)

2401-01-100-1	Iodine Removal and Off-Gas Treatment
2401-14-100-1	Acid Fractionation
2401-01-110-1	Nitrogen Oxide Absorption and Iodine Stripping
2401-01-110-2	Iodine Absorption
2401-01-110-3	Final Off-Gas Treatment
2401-01-110-4	Process Sampling System
2401-14-110-1	Acid Fractionator Feed Vaporization
2401-14-110-2	Acid Fractionation
2401-01-120-1	Steam Condensate, Instru. Air, Utility Air, Oxygen
2401-01-120-2	Cooling Water, Demin. Water, Plt. Water, Diesel Oil
2401-01-170-1	150 PSIG Steam, 25 PSIG Steam Condensate
2401-01-170-2	C. W. Supply, C. W. Return, Plant, Fire & Demin. Water
2401-01-170-3	Plant, Instru. Air, Oxygen, Diesel Oil, Air Sampler

2.0 LAYOUTS

2.1 Drawo Drawings (Blaw-Knox)

2401-01-201-1	First Floor Plan
2401-01-201-2	Second Floor Plan
2401-01-201-3	Third Floor Plan
2401-01-201-4	Fourth Floor Plan
2401-01-201-5	Roof Plan
2401-01-201-6	Elevation "A"
2401-01-201-7	Elevation "B"

3.0 EQUIPMENT

3.1 Drawo (Blaw-Knox)

3.1.1 DOG Absorber Cooler

Drawings

SK-6-29-70-1	DOG Cooler Material Chart (Vendor)
E-3598-3	DOG Cooler Assembly (Vendor)
E-3598-4	Bottom Head Assembly (Vendor)
E-3598-5	Top Head Assembly (Vendor)
E-3598-6	Shell Assembly (Vendor)
SK-3-16-70-1	Tube Sheet Grooving (Vendor)
E-3598-1	Tube Sheet, DOG Absorber (Vendor)
E-3598-2	Baffles, Tie Rod & Spacers (Vendor)

Specifications

BK Spec. 2401-V1.1	Fusion Welded Vessels
BK Spec. 2401-V1.2	Leak Detection with Gas

Material Requisitions

2401-01-31001-R-1 DOG Absorber Cooler
P.O. 2401-34 DOG Absorber Cooler

3.1.2 31002 Off-Gas Heater

Drawings

SK-6-2-70-1 Off-Gas Heater Material Chart (Vendor)
SK-3-16-70-1 Tube Sheet Grooving (Vendor)
E-3599-1 Tube Sheets, Off-Gas Heater (Vendor)
E-3599-2 Off-Gas Heater Assembly (Vendor)
E-3599-3 Head Assembly (Vendor)
E-3599-4 Shell Assembly (Vendor)
E-3599-5 Lug Assembly (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-01-31002-R-1 Off-Gas Heater
P.O. 2401-34 Off-Gas Heater

3.1.3 31003 Acid Fractionator Feed Vaporizer

Drawings

SK-5-4-70-1 Tube Sheet Grooving, Titanium Units (Vendor)
SK-9-12-70-1 Material Chart (Vendor)
81-1291 Expansion Joint (Vendor)
E-3605-1 Acid Fractionator Vaporizer Ass'y (Vendor)
E-3605-2 Shell Assembly (Vendor)
E-3605-3 Top Head Assembly (Vendor)
E-3605-4 Bottom Head Assembly (Vendor)
E-3605-5 Tube Sheets (Vendor)
E-3605-6 Tube Supports, Tie Rods, Spacers (Vendor)
E-3605-7 Nozzle Assembly MK-C (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-14-31003-R-1 Acid Fractionator Feed Vaporizer
P.O. 2401-36 Acid Fractionator Feed Vaporizer

3.1.4 31004 Vaporizer Bottoms Cooler

Drawings

SK-7-9-70-1	Material Chart (Vendor)
E-3606-1	Tube Sheets, Vaporizer Bottoms Cooler (Vendor)
E-3606-2	Baffles, Tie Rods & Spacers (Vendor)
E-3606-3	Vaporizer Bottoms Cooler Ass'y (Vendor)
E-3606-4	Shell Ass'y (Vendor)
E-3606-5	Head Ass'y (Vendor)
E-3606-6	Saddle Ass'y (Vendor)
SK-3-16-70-1	Tube Sheet Grooving (Vendor)

Specifications

BK Spec. 2401-V1.1	Fusion Welded Vessels
BK Spec. 2401-V1.2	Leak Detection with Gas

Material Requisites

2401-14-31004-R-1	Vaporizer Bottoms Cooler
P.O. 2401-24	Vaporizer Bottoms Cooler

3.1.5 31005 Acid Fractionator Reboiler

Drawings

SK-9-14-70-1	Material Chart (Vendor)
E-3607-1	Acid Fractionator Reboiler Ass'y (Vendor)
E-3607-2	Shell Assembly (Vendor)
E-3607-3	Top & Bottom Head Ass'y (Vendor)
E-3607-4	Tube Sheets (Vendor)
E-3607-5	Tube Supports, Tie Rods, Spacers (Vendor)
E-3607-6	Nozzle Assembly MK-C (Vendor)
SK-5-4-70-1	Tube Sheet Grooving (Vendor)
81-1290	Expansion Joint (Vendor)

Specifications

BK Spec. 2401-V1.1	Fusion Welded Vessels
BK Spec. 2401-V1.2	Leak Detection with Gas

Material Requisites

2401-14-31005-R-1	Acid Fractionator Reboiler
P.O. 2401-36	Acid Fractionator Reboiler

3.1.6 31006 Acid Fractionator Bottoms Cooler

Drawings

SK-7-6-70-1	Material Chart (Vendor)
E-3608-1	Tube Sheets (Vendor)
E-3608-2	Baffles (Vendor)

E-3608-3	Acid Fractionator Bottoms Cooler (Vendor)
E-3608-4	Shell Ass'y, Bottoms Cooler (Vendor)
E-3608-5	Head Ass'y, Bottoms Cooler (Vendor)
E-3608-6	Saddle Assembly (Vendor)
E-3608-7	U Tubes, Tie Rods, Spacers (Vendor)

Specifications

BK Spec. 2401 V1.1	Fusion Welded Vessels
BK Spec. 2401 V1.2	Leak Detection with Gas

Material Requisitions

2401-31006-R-1	Acid Fractionator Bottoms Cooler
P.O. 2401-36	Acid Fractionator Bottoms Cooler

3.1.7 31007 Iodine Absorber Cooler

Drawings

SK-6-10-70-1	Material Chart (Vendor)
E-3600-1	Iodine Absorber Cooler (Ass'y) (Vendor)
E-3600-2	Tube Sheet (Vendor)
E-3600-3	Baffles, Tie Rods, Spacers (Vendor)
E-3600-4	Shell Assembly (Vendor)
E-3600-5	Head Assembly (Vendor)
E-3600-6	Lugs (Vendor)

Specifications

BK Spec. 2401-V1.1	Fusion Welded Vessels
BK Spec. 2401-V1.2	Leak Detection with Gas

Material Requisitions

2401-01-31007-R-1	Iodine Absorber Cooler
P.O. 2401-34	Iodine Absorber Cooler

3.1.8 31013 Iodine Stripper Condenser

Drawings

SK-7-8-70-1	Material Chart (Vendor)
E-3601-1	Tube Sheet, Iodine Stripper Cond. (Vendor)
E-3601-2	Baffles, Tie Rods & Spacers (Vendor)
E-3601-3	Support Lugs (Vendor)
E-3601-4	Iodine Stripper Cond. Ass'y (Vendor)
E-3601-5	Shell Assembly (Vendor)
E-3601-6	Head Assembly (Vendor)
SK-3-16-70-1	Tube Sheet Grooving (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-01-31013-R-1 Iodine Stripper Condenser
P.O. 2401-34 Iodine Stripper Condenser

3.1.9 32001 Dissolver Off-Gas Absorber

Drawings

SK-9-25-70-1 Material Chart (Vendor)
E-3602-1 Dissolver Off-Gas Absorber Ass'y (Vendor)
E-3602-5 Support Lugs (Vendor)
E-3602-6 Bottom Head Assembly (Vendor)
E-3602-7 Top Head Assembly (Vendor)
E-3602-8 Cylinder (Vendor)
E-3602-9 Dissolver Off-Gas Absorber Details (Vendor)
17-04556-1 Support Plate (Vendor)
17-04556-2 Redistributor (Vendor)
17-04556-3 Distributor (Vendor)
17-04556-4 Support Plate (Vendor)
2401-01-32001-1 Dissolver Off-Gas Absorber (Dravo)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-01-32001-R-1 Dissolver Off-Gas Absorber
P.O. 2401-35 Dissolver Off-Gas Absorber

3.1.10 32002 Iodine Absorber
32002T Bubble Cap Trays

Drawings

2401-01-32002-1 Iodine Absorber (Dravo)
SK-10-19-70-1 Material Chart (Vendor)
E-3603-1 Sht 1 Lug Details (Vendor)
E-3603-1 Sht 2 Lug Assembly (Vendor)
E-3603-2 Iodine Absorber Ass'y (Vendor)
E-3603-3 Top Head Assembly (Vendor)
E-3603-4 Bottom Head Assembly (Vendor)
E-3603-5 Cylinder (Vendor)
E-3603-6 Cylinder (Vendor)
E-3603-7 Lifting Lugs (Vendor)
E-3603-8 Sht 1 Support Rings & Downcomer (Vendor)

E-3603-8 Sht 2 Seal Pan Support (Vendor)
FWG-26173 Sht 1 Bubble Trays (Vendor)
FWG-26173 Sht 2 Fabrication (Vendor)
FWG-26173 Sht 3 Fabrication (Vendor)
FWG-26173 Sht 4 Packing List (Vendor)

Specifications

BK Spec. V1.1 Fusion Welded Vessels
BK Spec. V1.2 Leak Detection with Gas

Material Requisitions

2401-01-32002-R-1 Iodine Absorber
P.O. 2401-35 Iodine Absorber
2401-01-32002-R-2 Iodine Absorber Bubble Trays
P.O. 2401-37 Iodine Absorber Bubble Trays

3.1.11 32003 Acid Fractionator
32003T Acid Fractionator Trays (Valve Type)

Drawings

2401-14-32003-1 Acid Fractionator (Dravo)
SK-10-26-70-1 Material Chart (Vendor)
E-3604-1 Sht 1 Lug Detail (Vendor)
E-3604-1 Sht 2 Lug Assembly (Vendor)
E-3604-2 Stiffener Rings (Vendor)
E-3604-3 Insulation Ring (Vendor)
E-3604-4 Top Cylinder (Vendor)
E-3604-5 Cone Detail (Vendor)
E-3604-6 Bottom Cylinder (Vendor)
E-3604-7 Acid Fractionator Column Ass'y (Vendor)
E-3604-8 Detail Parts (Vendor)
E-3604-9 Top Cylinder Ass'y (Vendor)
E-3604-10 Bottom Cylinder Ass'y (Vendor)
E-3604-11 Top Head Ass'y (Vendor)
E-3604-12 Bottom Head (Vendor)
E-3604-13 Top Tray Support Rings (Vendor)
E-3604-14 Cone Downcomer Bars (Vendor)
E-3604-15 Support Ring #61 (Vendor)
E-3604-16 Seal Pan Support (Vendor)
E-3604-17 Bottom Tray Support Ring (Vendor)
FWG-44060 Sht 1 Ballast Tray (Vendor)
FWG-44060 Sht 2 Tray Fabrication (Vendor)
FWG-44060 Sht 3 Tray Fabrication (Vendor)
FWG-44060 Sht 4 Installation Schematic (Vendor)
FWG-44060 Sht 5 Packing List (Vendor)
FWG-44061 Sht 1 Ballast Tray (Vendor)
FWG-44061 Sht 2 Tray Fabrication (Vendor)
FWG-44061 Sht 3 Tray Fabrication (Vendor)
FWG-44061 Sht 4 Packing List (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-14-32003-R-1 Acid Fractionator Column
P.O. 2401-35 Acid Fractionator Column
2401-14-32003-R-2 Acid Fractionator Trays
P.O. 2401-37 Acid Fractionator Trays

3.1.12 35001 DOG Absorber Surge Tank

Drawings

2401-01-35001-1 DOG Absorber Surge Tank (Dravo)
L70-122-A DOG Absorber Surge Tank (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-01-35001-R-1 DOG Absorber Surge Tank
P.O. 2401-38 DOG Absorber Surge Tank

3.1.13 35002 DOG Absorber Measuring Pot

Drawings

2401-01-35002-1 DOG Absorber Measuring Pot (Dravo)
M70-117-A DOG Absorber Measuring Pot (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-01-35002-R-1 DOG Absorber Measuring Pot
P.O. 2401-38 DOG Absorber Measuring Pot

3.1.14 35003 Iodine Stripper

Drawings

2401-01-35003-1 Iodine Stripper (Dravo)
L70-118-A Iodine Stripper (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-01-35003-R-1 Iodine Stripper
P.O. 2401-38 Iodine Stripper

3.1.15 35004 Iodine Absorber Surge Tank

Drawings

2401-01-35004-1 Iodine Absorber Surge Tank (Dravo)
L70-119-A Iodine Absorber Surge Tank (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-01-35004-R-1 Iodine Absorber Surge Tank
P.O. 2401-38 Iodine Absorber Surge Tank

3.1.16 35005 Iodine Absorber Measuring Pot

Drawings

2401-01-35005-1 Iodine Absorber Measuring Pot (Dravo)
M70-120-A Iodine Absorber Measuring Pot (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-01-35005-R-1 Iodine Absorber Measuring Pot
P.O. 2401-38 Iodine Absorber Measuring Pot

3.1.17 35006 Iodine Absorber Separator

Drawings

2401-01-35006-1 Iodine Absorber Separator (Dravo)
M70-121-A Iodine Absorber Separator (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-01-35006-R-1 Iodine Absorber Separator
P.O. 2401-38 Iodine Absorber Separator

3.1.18 35007 Sample Tank

Drawings

2401-01-35007-1 Sample Tank (Dravo)
L70-115-A Sample Tank (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-01-35007-R-1 Sample Tank
P.O. 2401-38 Sample Tank

3.1.19 35008 Acid Feed Pot

Drawings

2401-14-35008-1 Acid Feed Pot (Dravo)
M70-112-A Acid Feed Pot (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-14-35008-R-1 Acid Feed Pot
P.O. 2401-38 Acid Feed Pot

3.1.20 35009 Acid Fractionator Feed Separator

Drawings

2401-14-35009-1 Acid Fract. Feed Separator (Dravo)
M70-111-A Acid Fract. Feed Separator (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-14-35009-R-1 Acid Fract. Feed Separator
P.O. 2401-38

3.1.21 35010 Acid Fractionator Overheads Tank

Drawings

2401-14-35010-1 Acid Fract. Overheads Tank (Dravo)
M70-114-A Acid Fract. Overheads Tank (Vendor)

Specification

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-14-35010-R-1 Acid Fract. Overheads Tank
P.O. 2401-38 Acid Fract. Overheads Tank

3.1.22 35011 Recovered Acid Surge Tank

Drawings

2401-14-35011-1 Recovered Acid Surge Tank (Dravo)
M70-113-A Recovered Acid Surge Tank (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-14-35011-R-1 Recovered Acid Surge Tank
P.O. 2401-38 Recovered Acid Surge Tank

3.1.23 35012-1 Off-Gas Absorber
35012-2 Off-Gas Absorber

Drawings

2401-01-35012-1 Off-Gas Absorber (Dravo)
E-3697-1 Off-Gas Absorber (Vendor)

Specifications

BK Spec. 2401-V1.1 Fusion Welded Vessels
BK Spec. 2401-V1.2 Leak Detection with Gas

Material Requisitions

2401-01-35012-R-1 Off-Gas Absorber
P.O. 2401-440 Off-Gas Absorber

3.1.24 35039 Ejector Break Tank

Drawings

2401-01-35039-1 Ejector Break Tank (Dravo)
M70-116-A Ejector Break Tank (Vendor)

Specifications

BK Spec 2401 V1.1 Fusion Welded Vessels
BK Spec 2401 V1.2 Leak Detection with Gas

Material Requisition

2401-01-35039-R-1 Ejector Break Tank
PO 2401-49 Ejector Break Tank

3.1.25 35084 Condensate KnockOut Pot

Drawings

2401-01-35084-1 Condensate KO Pot (Dravo)
M 70-175-A Condensate KO Pot (Vendor)

Specifications

BK Spec 2401 V1.1 Fusion Welded Vessels
BK Spec 2401 V1.2 Leak Detection with Gas

Material Requisition

2401-01-35084-R-1 Condensate Pot
PO 2401-49 Condensate Pot

3.1.26 35100-1 DOG Absorber Pump Tank
35100-2 DOG Absorber Pump Tank
35101-1 Iodine Absorber Pump Tank
35101-2 Iodine Absorber Pump Tank

Drawings

2401-01-35100-1 Absorber Pump Tanks (Dravo)
5025-J-1955 Sht 1 - DOG Absorber Pump Tank (Vendor)
5025-J-1955 Sht 3 - Iodine Absorber Pump Tank (Vendor)

Specification

BK Spec 2401 V1.1 Fusion Welded Vessels

Material Requisitions

2401-01-35100-R-1 Absorber Pump Tanks
PO 2401-78 Absorber Pump Tanks

- 3.1.27 41001-1 DOG Absorber Recirc Pump
- 41001-2 DOG Absorber Recirc Pump
- 41002-1 Iodine Absorber Recirc Pump
- 41002-2 Iodine Absorber Recirc Pump

Drawings

- B-23764 Vertical Submerged Cantilever Pump (Vendor)
- B-23769 Vertical Submerged Cantilever Pump (Vendor)
- GEM 2342A Vert Solid Shaft Induction Motor (Vendor)
- 3526 Pump Curve (Vendor)
- 3527 Pump Curve (Vendor)
- A-23966 Assembly and Parts List (Vendor)

Specifications

As specified in the requisition

Material Requisition

- 2401-01-41001-R1 Vertical Pumps
- PO-2401-53 Vertical Pumps

- 3.1.28 41003 Vaporizer Bottoms Pump

Drawings

- SD-7032-19 Motor Dimension Sheet (Vendor)
- BULL-257-70 Installation & Operation (Vendor)
- W-78438 Reagent Head Assembly (Vendor)
- W-200116 Pump Head Assembly (Vendor)
- W-60559 Parts List (Vendor)
- 9776 Dimension Drawing CPS-ZAP (Vendor)

Specification

As specified in the requisition

Material Requisition

- 2401-14-41003-R1 Vaporizer Bottoms Pump
- PO 2401-29 Vaporizer Bottoms Pump

- 3.1.29 41004 Recovered Acid Pump

Drawings

- W-96939 Reagent Head Assembly (Vendor)
- W-96946 Pump Head Assembly (Vendor)
- 9754 Dimension Drawing CPS-4AP (Vendor)
- BULL 257-70 Installation and Operation (Vendor)
- W-35318 Base Assembly (Vendor)

Specification

As specified in the requisition

Material Requisition

2401-14-41004-R1 Recovered Acid Pump
PO 2401-30 Recovered Acid Pump

3.1.30 42001-1 Off-Gas Blower
42001-2 Off-Gas Blower

Drawings

848-944-013 Gas Blower Electric Motor Driven (Vendor)
848-015-013 Gas Blower Diesel Engine Driven (Vendor)
K-20953 Performance Curve (Vendor)
K-19645-1 Installation Requirements (Vendor)
811-625 Pressure Switch (Vendor)
27407 Vacuum Relief Valve (Vendor)
2290-K326T Pump Motor (Vendor)
1-RAS/RGS-268 Installation and Maintenance (Vendor)

Specification

As specified in the requisition

Material Requisitions

2401-01-42001-R1 Off-Gas Blowers
PO-2401-48 Off-Gas Blowers

3.1.31 48002-1 Transfer Eductor
48002-2 Transfer Eductor
48003-1 Transfer Eductor
48003-2 Transfer Eductor
48004-1 Transfer Eductor
48004-2 Transfer Eductor
48005 Sump Eductor
48009-1 Transfer Eductor
48009-2 Transfer Eductor

Drawings

16166D Special Ejector (Vendor)

Specification

As specified in the requisition

Material Requisition

2401-01-48002-R1 Eductors
PO 2401-31 Eductors

- 3.1.32 48008-1 Off-Gas Filter Housing
48008-2 Off-Gas Filter Housing

Drawings

DSD-385-C Modified Filter Enclosure (Vendor)

Specification

As specified in the requisition

Material Requisition

2401-01-479-R3 Filter Enclosures
PO 2401-91 Filter Enclosures

- 3.1.33 48011 Warm Aisle Bridge Crane

Drawings

U-8401 Main Wiring Diagram (Vendor)
67614 Clearance Diagram (Vendor)
T-23801 Main Connection Wiring Diagram (Vendor)
F-25454 Repair Parts Catalogue (Vendor)

Specifications

As specified in the requisition

Material Requisition

2401-01-48011-R1 Warm Aisle Bridge Crane
PO 2401-27 Warm Aisle Bridge Crane

- 3.1.34 48015 Filter Cask Hoist

Drawings

69-1080-CTS Tram Rail Monorail System (Vendor)
10810 Type "K" Sliding Switches (Vendor)
524-D-111 Parts Manual

Specifications

As specified in the requisition

Material Requisition

2401-01-48015-R1 Filter Cask Hoist
PO 2401-47 Filter Cask Hoist

- 3.1.35 48017 Sump Eductor
- 48020 Transfer Jet
- 48022 Transfer Jet

Drawings

16165-D Special Ejector

Specifications

As specified in the requisition

Material Requisition

2401-14-48017-R-1 Eductors
PO 2401-32 Eductors

- 3.1.36 48086-1 Sample Jet
- 48086-2 Sample Jet
- 48086-3 Sample Jet
- 48086-4 Sample Jet
- 48086-5 Sample Jet

Drawings

STA-10621-D Special Ejector with Connections (Vendor)
56007-030A Special Ejectors (Vendor)
IQ-10860A Special Ejectors (Vendor)
IQ-10860-3 Test Description (Vendor)

Specifications

As specified in the requisition

Material Requisition

2401-01-48086-R-1 Sample Jet
PO 2401-138 Sample Jet

- 3.1.37 48105 Fire Extinguishers
- 48106 Fire Hose Stations

Drawings

SY-0611 Dry Chemical Extinguishers (Vendor)

Specification

As specified in the requisition

Material Requisitions

2401-01-48105-R-1 Fire Extinguishers
PO 2401-226 Fire Extinguishers
2401-01-48106-R-1 Fire Hose Stations
PO 2401-331 Fire Hose Stations

3.1.38 475-100 Primary Exhaust Fan
475-101 Emergency Exhaust Fan

Drawings

5119116	Installation Drawing PTO Unit (Vendor)
5185207	Cabinet Chart - Auto Starting (Vendor)
5178197	Cabinet Enclosure (Vendor)
G-7621-1	Arrangement No. 9 (Vendor)
29409-1	Vibration Eliminator (Vendor)
3-CD-1351A	Fan Wheel Arrgt #8 (Vendor)
G-7621-2	Flanged Outlet & Damper (Vendor)
G-7621-3	Beld Guard (Vendor)
G-7621-4	Flanged Outlet and Damper (Vendor)
1-CD-2888	Coupling Guard (Vendor)
1-CD-2932	Viton Shaft Seal Assy (Vendor)
1-CD-2934	Mounting Bracket & Stops (Vendor)
2-CD-4920	Details for Zero Speed Switch (Vendor)
G-7621	Performance Curve (Vendor)
3 SA-101	Day Tank (Vendor)
3 SA-103	Battery Pack (Vendor)
E4-5033-11-1	Diesel Performance Curve (Vendor)
5034-7101	Diesel Specifications (Vendor)
6SE-200	Operators Manual (Vendor)
29409-2B	Vibration Eliminator (Vendor)
Bull. 808	Zero Speed Plugging Switch (Vendor)
E-21-R	Installation & Maintenance (Vendor)
6SE-185	Parts List (Vendor)

Specification

As specified in the requisition

Material Requisition

2401-01-475-R3	Exhaust Fans
PO 2401-127	Exhaust Fans

3.1.39 477-100 Control System H&V Unit
477-101 Control System Preheat Unit

Drawings

95-2364	General Description (Vendor)
95-2425	LA-419D Airstat Regulator (Vendor)
77-9815	Temperature Controllers (Vendor)
937-70156-1BI	Schematic (Vendor)
937-70156-2AI	Sequence of Operation (Vendor)

Specification

As specified in the requisition

Material Requisition

2401-01-477-R-1 Automatic Control System
PO 2401-142 Automatic Control System

3.1.40 479-113-A&B Area Enclosures Roughing Filter
479-114-A&B Area Enclosures Absolute Filter
479-115-A&B 1st Stage Cell Absolute Enclosure
479-116-A&B 2nd Stage Cell Absolute Enclosure

Drawings

DSD-114-A Miter Gear (Vendor)
DSD-131-A Clamp Bushing (Vendor)
DSD-132-A Bearing Plate (Vendor)
DSD-133-A Upper Arm Clamp (Vendor)
DSD-134-A Lower Arm Clamp (Vendor)
DSD-135-A Adjusting Bushing (Vendor)
DSD-137-A Frame Adjusting Assy (Vendor)
DSD-138-A Adjusting Screw (Vendor)
DSD-140-A Gear Adjusting Collar (Vendor)
DSD-142-A Adjusting Rod (Vertical) (Vendor)
DSD-144-A Clamp Plunger (Vendor)
DSD-159-A Shaft (Vendor)
DSD-160-A Pin (Vendor)
DSD-161-A Clamp Support Pin (Vendor)
DSD-163-A Anchor Arm (Vendor)
DSD-103-B Door Clamp Assy (Vendor)
DSD-109-B Stuffing Box (Vendor)
DSD-110-B Stuffing Gland (Vendor)
DSD-121-B Guide Bar (Vendor)
DSD-125-B Door Bracket (Vendor)
DSD-126-B Door Handle (Vendor)
DSD-383-B Flange (Vendor)
DSD-100-C Model 24S Panel (Vendor)
DSD-102-C Lower Filter Support (Vendor)
DSD-127-C Door Assy (Vendor)
DSD-128-C Door Gasket (Vendor)
DSD-129-C Access Door (Vendor)
DSD-143-C Clamp Assembly (Vendor)
DSD-413-C Access Port (Vendor)
DSD-101-D Upper Filter Support (Vendor)
DSD-384-D Modified Filter Enclosure (Vendor)
DSD-386-C Modified Filter Enclosure (Vendor)

Specification

As specified in the requisition

Material Requisition

2401-01-479-R-3 Filter Enclosures
PO 2401-91 Filter Enclosures

3.1.41 479-118 thru 479-135 Dampers

Drawings

DSD-116-A	Clamp Handle (Vendor)
DSD-360-B	Bearing (Vendor)
DSD-362-B	Stuffing Box (Vendor)
DSD-318-B	Bearing-Butterfly Valve (Vendor)
DSD-320-B	Stuffing Box 3/4" (Vendor)
DSD-370-C	Switch Mounting Bracket (Vendor)
DSD-367-D	Valve with Actuator (Vendor)
DSD-357-D	Butterfly Valve (Vendor)
DSD-351-D	Modified Valve (Vendor)

Specifications

As specified in the requisition

Material Requisition

2401-01-479-R-6	Dampers
PO-2401-81	Dampers

3.1.42 50001 Off-Gas Filter Housing and Shield

Drawings

2401-01-50001-1	Off-Gas Filter Housing (Dravo)
2401-01-50001-2	Off-Gas Housing Section (Dravo)
2401-01-50001-3	Off-Gas Shielding Details (Dravo)
2401-01-50001-4	Off-Gas Shielding Details (Dravo)
2401-01-50001-6	Off-Gas Shielding Details (Dravo)
B-576059-B	Off-Gas Housing Sections (Vendor)
B-576058-C	Off-Gas Housing Assembly (Vendor)
B-576060-C	Off-Gas Housing Assembly (Vendor)
B-576071-A	Off-Gas Housing Details (Vendor)
B-576062	Off-Gas Housing Details (Vendor)
B-576063-B	Off-Gas Housing Shadow Shield (Vendor)

Specification

BK Spec. 2401-D1.1 - Machine Design Specification

Material Requisition

2401-50001-R-1	Off-Gas Filter Housing & Shielding
PO-2401-54	Off-Gas Filter Housing & Shielding

3.1.43 50002 Off-Gas Filter Coffin

Drawings

2401-01-50002-1	Coffin for Off-Gas Filters Ass'y. (Dravo)
2401-01-50002-2	Coffin for Off-Gas Filters Details (Dravo)
10773-50002-1	Off-Gas Filter Coffin Ass'y. (Vendor)
10773-50002-2	Off-Gas Filter Coffin Details (Vendor)

Specification

BK Spec. 2401-D1.1 - Machine Design Specification
BK Spec. 2401-S-511 - Structural Materials Description

Material Requisition

2401-01-50002-R1	Off-Gas Filter Coffin
PO-2401-509	Off-Gas Filter Coffin
3.1.44 50004	Pump Niche Shielding Plate

Drawings

2401-50004-1	Pump Niche Shielding Plates (01) (Dravo)
2401-50004-2	Pump Niche Shielding Plates (14) (Dravo)
2401-50004-3	"Grayloc" Support Control Rod (Dravo)
B-576160-A	Pump Niche Shielding Plates (Vendor)
B-576158-A	Grayloc Support Rod (Vendor)

Specification

BK Spec. 2401-D1-1 - Machine Design Specification
BK Spec. 2401-S5.11 - Structural Materials Description

Material Requisition

2401-01-50004-R1	Pump Niche Shielding
PO-2401-90	Pump Niche Shielding
3.1.45 50005	Cell Filter Housing

Drawings

2401-50005-1	Cell Filter Housing & Lift (Dravo)
2401-50005-2	Cell Filter Housing (Dravo)
2401-50005-3	Cell Filter Lift (Dravo)
2401-50005-4	Filter Lift & Housing Details (Dravo)
2401-50005-5	Filter Door Misc. Details (Dravo)
10536-50005-1	Filter Housing and Lift (Vendor)
10536-50005-2	Cell Filter Housing (Vendor)
10536-50005-3	Cell Filter Lift (Vendor)
10536-50005-4	Filter Lift & Housing Details (Vendor)
10536-50005-5	Filter Door & Misc. Details (Vendor)
5016-017	Spare Parts List (Vendor)

Specifications

BK Spec. 2401-D1.1 - Machine Design Specification
BK Spec. 2401-S5.11 - Structural Materials Description

Material Requisition

2401-01-50005-R1 Cell Filter Housing
PO-2401-383 Cell Filter Housing

3.1.46 50010 Sample Station Glove Box

Drawings

2401-01-50010-1 Glove Box Station Arrg't. (Dravo)
2401-01-50010-2 Glove Box Station Details (Dravo)
2401-01-50010-3 Glove Box Station Details (Dravo)
B-576172-B Sampling Station Arrg't. (Vendor)
B-576173-A Sampling Station Details (Vendor)
B-576174-A Sampling Station Details (Vendor)

Specifications

BK Spec-2401-D1.1- Machine Design Specification
BK Spec-2401-S5.11 - Structural Materials Description

Material Requisition

2401-01-50010-R1 Glove Box Sampling Station
PO-2401-117 Glove Box Sampling Station

3.1.47 50036-1 Cell Access Shielding Door
50036-2 Cell Access Shielding Door

Drawings

2401-01-50036-1 Cell Access Shielding Door
E-3616-1 Cell Access Shielding Door

Specification

BK Spec. 2401-D1.1 - Machine Design Specification

Material Requisition

2401-01-50036-R1 Cell Access Shielding Door
PO-2401-45 Cell Access Shielding Door

3.2 Heating & Ventilating

3.2.1 Drawings

2401-01-400-1	Title Page (Dravo)
2401-01-400-2	Systems Diagram (Dravo)
2401-01-400-3	Control Diagram (Dravo)
2401-01-401-1	First Floor Plan (Dravo)
2401-01-401-2	Second Floor Plan (Dravo)
2401-01-401-3	Third Floor Plan (Dravo)
2401-01-401-4	Fourth Floor Plan (Dravo)
2401-01-401-5	Sections (Dravo)
2401-01-401-6	Sections (Dravo)
2401-01-401-7	Sections & Details (Dravo)
2401-01-401-8	Details (Dravo)
2401-01-401-9	Plan & Section Cell Filters (Dravo)
2401-01-401-10	Plan & Elevation of Ext. Pipe (Dravo)
2401-01-401-11	Sections and Details of Ext. Pipe (Dravo)

3.2.2 Specifications

2401-01-H-1 - Heating & Ventilating Sheetmetal & Piping Work

3.2.3 Material Requisitions

2401-01-471-R-4	Heating & Ventilating Unit
PO 2401-123	Heating & Ventilating Unit
2401-01-471-R-5	Preheat Coil Section
PO 2401-123	Preheat Coil Section
2401-01-474-R-2	Intake Louvers & Shutters
PO2401-80	Intake Louvers & Shutters
2401-01-478-R-2	Sheetmetal Subcontract
PO 2401-277SC	Sheetmetal Subcontract
2401-01-479-R-2	Cell Intake Filters
PO 2401-82	Cell Intake Filters
2401-01-479-R-4	Cylindrical Trans. Ass'y. Filter
PO 2401-535	Cylindrical Trans. Ass'y. Filter
2401-01-479-R-5	Intake Filter
PO 2401-82	Intake Filter
2401-01-479-R-6	Dampers
PO 2401-81	Dampers
2401-01-471-R-12	Heating & Ventilating Acc. Spacers
PO 2401-363	Heating & Ventilating Acc. Spacers

3.3 Instrumentation

3.3.1 Drawings

2401-14-600-2	Instru. Diag. Acid Fractionation (Dravo)
2401-01-600-3	Panel IP-1 Arrg't. (Dravo)
2401-01-600-4	Back of Panel Arrg't. (Dravo)
2401-01-600-6	Control Panel-Semi-Graphic (Dravo)
2401-14-600-11	Re-arrg't. of Panel Instruments (Dravo)
2401-14-600-32	Modifications to Exis. Graphic (Dravo)
2401-01-610-3	Tubing Routing 1st Floor Plan (Dravo)
2401-01-610-4	Tubing Routing 2nd Floor Plan (Dravo)
2401-01-610-5	Tubing Routing 3rd Floor Plan (Dravo)
2401-01-610-6	Tubing Routing 4th Floor Plan (Dravo)
2401-01-610-9	Transmitter Arrg't. El. 116' & 144' (Dravo)
2401-01-610-10	Transmitter Arrg't. El. 130' (Dravo)
2401-01-610-13	Instrument Air Distribution (Dravo)
2401-01-610-15	Tubing Routing Control Room Plan (Dravo)
2401-01-610-16	Tubing Routing Control Room-Elevation (Dravo)
2401-01-680-1	Sensing Lines Schematic (Dravo)
2401-01-680-17	Purged Measurement System (Dravo)
2401-01-680-18	Inst. Details Press. Guages & Switches (Dravo)

3.3.2 Specifications

2401-C-2	- Control Valves
2401-C-3	- Prefabricated Instrument Panels
2401-C-4	- Prefabricated Instrument Panels
2401-C-7	- Inst. Piping Mat'ls. and Workmanship
2401-C-8	- Instrument Item List (01)
2401-C-9	- Instrument Item List (14)

3.3.3 Material Requisitions

2401-01-660-R-4	Control Valves
PO-2401-94	Control Valves
2401-01-600-R-1	Instr. Panel 01-P-1
PO-2401-246	Instr. Panel 01-P-1
2401-01-601-R-1	Recorders & Controllers
PO-2401-152	Recorders & Controllers
2401-01-603-R-1	Multipoint Recorders
PO-2401-163	Multipoint Recorders
2401-01-604-R-1	Annunciator
PO-2401-151	Annunciator

2401-01-607-R-5	Pneumatic Switches
PO-2401-150	Pneumatic Switches
2401-01-607-R-12	Pneumatic Switches
PO-2401-334	Pneumatic Switches
2401-01-617-R-1	Thermocouples & Wells
PO-2401-382	Thermocouples & Wells
2401-01-628-R-2	Relief Valves
PO-2401-157	Relief Valves
2401-01-629-R-1	Rupture Disc
PO-2401-148	Rupture Disc
2401-01-634-R-1	Rotameters
PO-2401-149	Rotameters
2401-01-635-R-1	Flow Switches
PO-2401-278	Flow Switches
2401-01-637-R-1	Orifice Plates
PO-2401-533	Orifice Plates
2401-01/14-650-R-1	d/p Transmitters
PO-2401-261	d/p Transmitters
2401-01-614-R-1	Temperature Indicators
PO-2401-306	Temperature Indicators
2401-01-652-R-4	Receiver Recorder
PO-2401-367	Receiver Recorder
2401-01-660-R-1	Control Valves
PO-2401-109	Control Valves
2401-01-660-R-2	Control Valves
PO-2401-233	Control Valves
2401-01-660-R-3	Control Valves
PO-2401-146	Control Valves
2401-01-660-R-4	Control Valves
PO-2401-94	Control Valves
2401-14-660-R-1	Control Valves
PO-2401-108	Control Valves
2401-14-660-R-2	Control Valves
PO-2401-154	Control Valves
2401-01/14-690-R-7	Tubing Fittings
PO-2401-370	Tubing Fittings
2401-01-691-R-2	Pipe Fittings & Pipe
PO-2401-313	Pipe Fittings & Pipe
2401-01-694-R-4	Air Sets
PO-2401-311	Air Sets
2401-01-694-R-5	Purge Units
PO-2401-368	Purge Units
2401-01-696-R-2	Instru. Shutoff Valves & Manifolds
PO-2401-371	Instru. Shutoff Valves & Manifolds
2401-01-617-R-2	Thermocouple Junction Boxes
PO-2401-417	Thermocouple Junction Boxes

3.4 Piping

3.4.1 Drawings

2401-01-701-1	Piping to Utility Room (Dravo)
2401-01-701-2	Underground Piping-Plan (Dravo)
2401-01-701-3	Underground Piping-Sections (Dravo)
2401-01-701-4	Penetration Details (Dravo)
2401-01-701-5	Penetration Details (Dravo)
2401-01-701-6	Piping Penetrations (Dravo)
2401-01-701-7	Piping Penetrations (Dravo)
2401-01-701-8	Piping Misc. Details (Dravo)
2401-01-701-9	Piping Misc. Details (Dravo)
2401-01-701-10	Piping Penetration Schedule (Dravo)
2401-01-701-11	Piping Penetration Schedule (Dravo)
2401-01-701-12	Piping Penetration Schedule (Dravo)
2401-01-701-13	Piping Penetrations (Dravo)
2401-01-701-14	Piping Handwheel Adapters (Dravo)
2401-01-701-101	General Notes Isometrics (Dravo)
2401-01-701-102 thru 119	Carbon Steel Fabrication (Dravo)
2401-01-701-201 thru 299	Stainless Steel Fabrication (Dravo)
2401-01-701-301 thru 379	Carbon Steel Screwed Fab. (Dravo)
2401-01-701-400 thru 488	Stainless Steel Fabrication (Dravo)

3.4.2 Specifications

2401-00-P1 - Piping Materials
2401-00-P1A - Piping Material Description
2401-00-P2A - Piping Fabrication & Installation
2401-00-P2C - Piping Design and Arrangement
2401-00-P2D - Underground Pipe & Fittings (Wrapping)
2401-00-P2E - Automatic Welding of Stainless Pipe
2401-00-P2F - Testing and Cleaning of Pipe Systems
2401-00-P2G - Protective Coatings
2401-00-P5 - Piping Line Index & Insulation List

3.4.3 Material Requisitions

2401-01/14-700 P-R-5
thru R-175 Piping Material Requisitions

Requisitions for piping material were written in accordance with Specification 2401-00-P1.

3.5 Structural and Architectural

3.5.1 Drawings

2401-01-801-2	Fdn. Plan (Dravo)
2401-01-801-3	Sections & Details (Dravo)
2401-01-801-4	Sections & Details (Dravo)
2401-01-801-5	Plan-Ground Floor Slab (Dravo)
2401-01-801-6	Sections & Details (Dravo)
2401-01-801-7	Structural Cell Plans Sect. & Dets. (Dravo)
2401-01-801-8	Cell Plans & Sections (Dravo)
2401-01-801-9	Details (Dravo)
2401-01-801-10	Pipe Chase-Plan & Sections (Dravo)
2401-01-801-11	Pipe Chase-Sections & Details (Dravo)
2401-01-801-12	Pipe Chase-Roof Plan (Dravo)
2401-01-801-13	Pipe Chase Roof Sect. & Details (Dravo)
2401-01-801-14	Sections with Cell Inserts Sht. #1 (Dravo)
2401-01-801-15	Sections with Cell Inserts-Sht. #2 (Dravo)
2401-01-801-16	Elev. with Cell Wall Inserts (Dravo)
2401-01-801-17	Insert Details & Misc. (Dravo)
2401-01-801-18	Sects. with Cell Wall Inserts-Sht. #3 (Dravo)
2401-01-801-19	Metal Liners & Inserts for Cells (Dravo)
2401-01-801-20	Sections & Details-Sht. #1 (Dravo)
2401-01-801-21	Sections & Details-Sht. #2 (Dravo)
2401-01-801-22	Second & Third Floor Framing (Dravo)
2401-01-801-23	Fourth & Roof Framing Plans (Dravo)
2401-01-801-24	Elevations & Details (Dravo)
2401-01-801-25	Iodine Recovery Bldg. Plan (Dravo)
2401-01-801-26	Sections & Details (Dravo)
2401-01-801-27	Crane Girder Plan & Sect. (Dravo)
2401-01-801-28	Vessel Support Stl. in Cells-Sht. #1 (Dravo)
2401-01-801-29	Vessel Support Stl. in Cells-Sht. #2 (Dravo)
2401-01-801-30	Pipe Rack-Plan & Sections (Dravo)
2401-01-801-31	Plan & Sections, Pipe Supports (Dravo)
2401-01-801-32	Pipe Supports (Dravo)
2401-01-801-33	Equipment Supports-Plan & Details (Dravo)
2401-01-801-35	Second Flr. Slab-Plan & Sections (Dravo)
2401-01-801-36	Third Flr. Slab-Plan & Sections (Dravo)
2401-01-801-37	Fourth Flr. Slab Plan & Sections (Dravo)
2401-01-801-38	Plan, Sections & Details (Dravo)
2401-01-801-40	Sections (Dravo)
2401-01-801-51	First Floor Plan, Spec. Notes (Dravo)
2401-01-801-52	Second & Third Floor Plans (Dravo)
2401-01-801-53	Fourth Floor & Roof Plans (Dravo)
2401-01-801-54	Sections, Details, Sht. #1 (Dravo)

2401-01-801-55	Door Schedule, Details (Dravo)
2401-01-801-56	Sections, Details-Sht. #2 (Dravo)
2401-01-801-57	Building Sections (Dravo)
2401-01-801-58	Elevations, Details (Dravo)
2401-01-801-59	Tornado Wall Sects., Details (Dravo)
2401-01-801-61	Utilities Passage-Utility Room Plan (Dravo)
2401-01-801-62	Utility Openings (Dravo)

3.5.2 Specifications

2401-S2.65 - Steel Piling
2401-S 3.11 - Cast in place Concrete
2401-S 5.11 - Structural Metals
2401-S 5.12 - Miscellaneous Metals
2401-S 5.31 - Stainless Steel Items
2401-R 4.01 - Concrete Masonry
2401-R 4.04 - Cast Stone Work
2401-R 5.21 - Steel Roof Deck
2401-R 5.22 - Steel Floor Deck
2401-R 7.13 - Spray on Insulation
2401-R 7.21 - Built-up Roof
2401-R 7.41 - Sheet Metal Work
2401-R 7.61 - Sealants and Caulking
2401-R 8.11 - Hollow Metal Doors
2401-R 8.21 - Finish Hardware
2401-R 8.51 - Glass & Glazing
2401-R 9.71 - Field Painting

3.5.3 Material Requisitions

2401-01-800-S-R1	Steel Piling
PO-2401-43SC	Steel Piling
2401-01-800-S-R2	Structural & Misc. Metals
PO-2401-40	Structural & Misc. Metals
2401-01-800-S-R3	Stainless Steel Items
PO-2401-74	Stainless Steel Items
2401-01-800-S-R4	Structural Metals
PO-2401-73	Structural Metals
2401-01-800-S-R5	Unistrut Inserts
PO-2401-69	Unistrut Inserts
2401-01-800-R-R1	Steel Decking
PO-2401-86	Steel Decking
2401-01-801-R-3	Tornado Wall
PO-2401-344-SC	Tornado Wall

2401-01-801-R5	Field Painting
PO-2401-388	Field Painting
2401-01-801-R2	Metal Doors
PO-2401-341	Metal Doors
2401-01-801-R7	Rebar Splicing
PO-2401-374	Rebar Splicing
2401-01-801-R8	Field Painting-Special Systems
PO-2401-415	Field Painting-Special Systems

3.6 Electrical

3.6.1 Drawings

2401-01-900-1	Standard Symbol List (Dravo)
2401-01-900-2	Standard Grounding (Dravo)
2401-01-900-3	Standard Lighting (Dravo)
2401-01-900-6	Standard Power Details (Dravo)
2401-01-900-10	Motor Control Center #1 (Dravo)
2401-01-900-11	Motor Control Center "E" (Dravo)
2401-01-901-1	Single Line Diagram (Dravo)
2401-01-901-2	Plan-First Floor (Dravo)
2401-01-901-3	Plan-Second Floor (Dravo)
2401-01-901-4	Plan-Third Floor (Dravo)
2401-01-901-5	Plan-Fourth Floor & Roof (Dravo)
2401-01-901-6	General Notes and Reference (Dravo)
2401-01-901-7	Wiring Diagrams (41001 & 41002) (Dravo)
2401-01-901-8	Wiring Diagrams (4200') (Dravo)
2401-01-901-9	Wiring Diagrams (475-100 & 475-101) (Dravo)
2401-01-901-10	Single Line Diagram MCC "E" (Dravo)
2401-01-901-11	Plan-Utility Building (Dravo)
2401-01-901-12	Conduit & Cable Routing (Dravo)
2401-01-901-13	Sections & Details (Dravo)
2401-01-901-14	Single Line Diagram (Dravo)
2401-01-901-15	Misc. Wiring Diagrams (Dravo)
2401-01-901-16	Plan-Switchgear Room (Dravo)
2401-01-901-17	Interconn. Diag. (42001) (Dravo)
2401-01-901-18	Interconn. Diag. (475-100) (Dravo)
2401-01-901-19	Equipment List (Dravo)
2401-01-901-20	Penetration Details (Dravo)
2401-01-901-21	Interconn. Diag. Cell Press. (Dravo)
2401-01-901-22	Instru. Panel Interconn. (Dravo)

3.6.2 Specifications

As specified in the Requisitions

3.6.3 Material Requisitions

2401-01-901-R1	Additions to MCC #1
PO-2401-102	Additions to MCC #1
2401-01-901-R2	Additions to MCC "E"
PO-2401-103	Additions to MCC "E"
2401-01-901-R10	Electrical Installation
PO-2401-115-SC	Electrical Installation