

EXHIBIT U
DOCUMENT SUBMITTED
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<ul style="list-style-type: none"> PFDs for Wuhu CPDs for Wuhu June 2002 PFDs for Wuhu June 2002 Presentation to Wuhu Presentation of Dryers Proposal to Wuhu Xiamen ACR <ul style="list-style-type: none"> Correspond to APV <ul style="list-style-type: none"> Technical Info Dryers, Polymerization, etc Correspond to CNCCC Correspond to Consultants Correspond to ECEC Correspond to Glenn Correspond to Hutchinson Correspond to vendors China Correspond to Xiamen Electrochemical <ul style="list-style-type: none"> Correspond to Zisko <ul style="list-style-type: none"> Proposal from Peter on ACR4 Files from Glenn in Hefei <ul style="list-style-type: none"> CP Diagrams Glenn Chase on ACR Kick-Off Meeting Files and Records MSDSs PFDs for Vendors <ul style="list-style-type: none"> ACR PFDs for Vendors CP Diagrams for Vendors Proposals for Xiamen <ul style="list-style-type: none"> 1st Proposal Sept 1999 Cost and Prices Equipment Brochures <ul style="list-style-type: none"> GPC <ul style="list-style-type: none"> Products For - Thermo Spectronic - GENESYS 20 Spectrophotometer.files GPC July 10 Technical Attachment files Presentation for July 2001 Presentation to XEC Jan 8 2001 <ul style="list-style-type: none"> Proposal April 2001 <ul style="list-style-type: none"> ACR4 Drawings April 2001 ACR4 Drawings April 30 2001 Proposal June 2001 Proposal November 2000 Proposal to XEP, ECEC and CNCCC <ul style="list-style-type: none"> acr4 visio drawings R&H product info RFQ and Quotes, <ul style="list-style-type: none"> Quotes from vendor ACR4 RFQs ACR4 <ul style="list-style-type: none"> Equipment RFQs ACR4 Instrument RFQs ACR4 Swenson - David Bowlin <ul style="list-style-type: none"> Presentation files from DavidBowlin Transactions <ul style="list-style-type: none"> CNCCC Vendors RFQ and Quotes <ul style="list-style-type: none"> Correspond to Swenson and TEMA <ul style="list-style-type: none"> Engineering Companies <ul style="list-style-type: none"> SWAT Group Rates and Resume Quotes from vendor ACR4 <ul style="list-style-type: none"> DSC Vendors 	<ul style="list-style-type: none"> RFQs ACR4 <ul style="list-style-type: none"> Analytical Equipment RFQs on ACR4 <ul style="list-style-type: none"> Equipment RFQs ACR4 Instrument RFQs ACR4 Xiamen ACR Contract Transactions <ul style="list-style-type: none"> CNCCC Zehgao ACR Backup from 2GB White USB BJ <ul style="list-style-type: none"> CHLORINATION GA CHLORINATION08-05-2008 <ul style="list-style-type: none"> CHLORINATION P&ID07-31-08 Degassing Screw <ul style="list-style-type: none"> Imported Components <ul style="list-style-type: none"> 10-in-plate-flg EQUIPMENT <ul style="list-style-type: none"> PFD-01 PFD-02 PFD-03 PFD-04 PFD-05 PFD-06 PFD-07 PFD-08 PFD-09 Flash dryer Flash Dryer Info from Zhenjinag L-EQU <ul style="list-style-type: none"> Flash dryer L-P&ID <ul style="list-style-type: none"> CHLORINATION P&ID07-31-08 MSS SPECS PJTY-(XIN)-08-01 MAY SUBMITTALS <ul style="list-style-type: none"> CHLORINATION <ul style="list-style-type: none"> GENERAL ARRANGEMENT PJTY-(XIN)-08-01 Sumbittal April 2008 <ul style="list-style-type: none"> Exchangers FRP TANKS Pumps Spray Nozzles Steel Tanks schematic-symbols Backup from 4G USB Black 20081017 <ul style="list-style-type: none"> Backup from BJ 20081018 <ul style="list-style-type: none"> chlo-conveyors CHLORINATION <ul style="list-style-type: none"> 07-08-08 CHLO. P&ID PFD ACID TANK CAUSTIC TANK T655 <ul style="list-style-type: none"> CC Tank V-531 Change Notices ChemPump PO and Drawings Approved <ul style="list-style-type: none"> CIR PUMP TANK V-561 CONTACT CONDENS V-520 Contact_Condensar_V-530 Crude Tank V-536 Equip Spec from Jimmy <ul style="list-style-type: none"> EQUIP SPEC-28 (SG-505, FINES TANK SLIDEGATE) EQUIP SPEC-29 (T-505, FINES TANK) EQUIP SPEC-36 (CV-501, S TYPE BELT CONVEYOR) EQUIP SPEC-37 (CV-502 SCREEN DISTRIBUTION DRAG CONVEYOR) 	<ul style="list-style-type: none"> EQUIP SPEC-43 (SG-502A-C) EQUIP SPEC-44 (SG-506 FEED TANK SLIDE GATE) EQUIP SPEC-46 (T-506 DRYER FEED TANK) EQUIP SPEC-50 (DC-504 DUST COLLECTOR) EQUIP SPEC-51 (L-504 DC504 AIRLOCK) EQUIP SPEC-52 (BA-506 COKE RECLAIM BIN ACTIVATOR) EQUIP SPEC-53 (DC-509 DUST COLLECTOR) EQUIP SPEC-54 (L-509 DC509 AIRLOCK) EQUIP SPEC-59 (T-508A COKE PRE FEED TANK) EQUIP SPEC-60 (T-508B ORE PRE FEED TANK) EQUIP SPEC-63 (SG-508A SLIDEGATE T-508A) EQUIP SPEC-64 (SG-508B SLIDEGATE T-508B) EQUIP SPEC-65 (SG-510 SLIDEGATE T-510) PDF <ul style="list-style-type: none"> DV-510A Diverter 1 FAN-504 Exhaust Fan FAN-509 Exhaust Fan Flow Switch (F) L-508A Rotary Feeder L-510A Airlock P-510A L-510B Airlock P-510B Level Switch (L) Power Switch (J) Pressure Switch (P) Speed Switch (S) VF-501 Crusher Vibratory Feeder <ul style="list-style-type: none"> VF-502A-C Screen Vibratory Feeders VF-506 Dryer Feeder FA PUMP FA TANK Flash Tank V-562 general layout L_R Head Tank T-552 Instruments 08-08 Lawrence PUMPS <ul style="list-style-type: none"> Transmittal No.2 Transmittal No.3 Transmittal No.4 may 08 submittal <ul style="list-style-type: none"> Bin Activator DV-510A <ul style="list-style-type: none"> ES-02-022 (DV-510A Diverter 1) ES-02-017 (DC-509 DUST COLLECTOR) <ul style="list-style-type: none"> FAN-509 <ul style="list-style-type: none"> ES-02-018 (FAN-509 Exhaust Fan) NR CYCLONE V-522 P&ID CHANGES MADE BY WENDEL <ul style="list-style-type: none"> P-535B Piping Specifications PJTY-(XIN)-08-01 DESIGN AND SUBMITTALS
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- SG-510
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- (SG-510 SLIDE GATE T-510)
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- (T-508A COKE PRE FEED TANK)
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- T-509A
- ES-02-011
- (T-509A ORE TRANSFER TANK 1)
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- KK-512B
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- SPL-511A
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- BL-554
- L-550
- N-552
- P-551
- P-552
- P-555
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- STEEL TANKS
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- Caustic Tank
- T-555 (ES-07-013)
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- Tank V-561 (ES-08-004)
- Contact
- Condenser Tank V-531 (ES-06-002)
- Contact
- Condenser V-530 (ES-06-001)
- Crude Storage
- Tanks V-535A-C (ES-06-010)
- Fatty Acid Storage
- Tank T-560 (ES-08-001)
- Flash Tank V-562 (ES-08-006)
- Head Tank T-552 (ES-07-003)
- Purge Pump Tank V-565 (ES-08-013)
- Purge Tank T-564 (ES-08-011)
- Refrigerated
- Condenser Tank V-541 (ES-06-007)
- Refrigerated
- Contact Condenser V-540 (ES-06-006)
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- Condensate (SR) Tank V-521 (ES-04-010)
- Solid Removal
- Contact Condenser V-520 (ES-04-007)
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- Purification_column
- Quench Tank V-513
- RC Tank V-541
- RC Tank V-541
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- SR CONDEN TANK V-521
- Stack
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- ES-02-013 (SG-509A ORE TRANSFER TANK SLIDE GATE 1)
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- FAN-509
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WF-508A	Solid Removal Contact Condenser V-520 (ES-04-007)	BA-506
WF-508B	V and C12 Analyzers	ES-01-026 (BA-506) COKE RECLAIM BIN ACTIVATOR)
PFD-03 Equipments	Valves	BE-501
Chlorinator R-511 (ES-03-001)	QUOTE	BE-505
Chlorinator Rev D	VARIABLE ORIFICE	BE-506
REV-B	Walter (080301)	CR-501
REV-C	3D	CV-501A
Chlorinator Rev D	Detail	ES-01-003 (CV-501) S TYPE BELT CONVEYOR)
REACTION COMPRESSOR	Acid Tank T-551 (ES-07-005)	CV-502
PFD-04 Equipments	Caustic Tank T-555 (ES-07-013)	ES-01-006 (CV-502) SCREEN DISTRIBUTION DRAG CONVEYOR)
NR Cyclone ES-04-012 (V-522)	Chlorinator R-511 (ES-03-001)	CV-503A
Spray Condenser ES-04-005 (V-512)	REV-B	CV-503B
SR Contact Condenser ES-04-007 (V-520)	REV-C	CV-504A
Transfer Line ES-04-001 (TL-511)	Circulation Pump Tank V-561 (ES-08-004)	CV-504B
Volute ES-04-002 (TV-512)	Contact Condenser Tank V-531 (ES-06-002)	CV-505
X-521	Contact Condenser V-530 (ES-06-001)	CV-506A
PFD-05 Equipments	Crude Storage Tanks V-535A-C (ES-06-010)	CV-506B
ES-05-003(L-512)	Draw-Off Tank T-511 (ES-05-001)	CV-507A
Quench Tank ES-05-004 (V-513)	REV-B	CV-507B
T-511	Fatty Acid Storage Tank T-560 (ES-08-001)	DC-504
Vent Scrubber ES-05-009 (T-514) and Nozzles	Flash Tank V-562 (ES-08-006)	ES-01-018 (DC-504) DUST COLLECTOR)
PFD-06 Equipments	Head Tank T-552 (ES-07-003)	DC-507
PFD-07 Equipments	Manifold (ES-03-004)	FAN-504
Blower	NR Cyclone V-522 (ES-04-012)	ES-01-019 (FAN-504 DC-504 EXHAUST FAN)
Stack	Purge Pump V-565 (ES-08-013)	FAN-507A
PFD-08 Equipments	Purge Tank T-564 (ES-08-011)	FAN-507B
Purification Column C-563 (ES-08-007)	Purification Column C-563 (ES-08-007)	FAN-507C
CHLORINATION GA	Quench Tank T-513 (ES-05-004)	FBD-507
CHLORINATION P&ID	Refrigerated Condenser Tank V-541 (ES-06-007)	L-504
CHLORINATION PFD	Refrigerated Contact Condenser V-540 (ES-06-006)	ES-01-020 (L-504) DC-504 AIRLOCK)
TRANSMITTAL 03_10-08	Solid Removal Condensate (SR) Tank V-521 (ES-04-010)	L-507
Acid Tank T-551 (ES-07-005)	Solid Removal Contact Condenser V-520 (ES-04-007)	SCN-502C
Caustic Tank T-555 (ES-07-013)	Structural (ES-03-001)	SG-502A-C
Circulation Pump Tank V-561 (ES-08-004)	Structural (ES-05-001)	ES-01-008 (SG-502A-C SCREEN SLIDE GATE)
Contact Condenser V-530 (ES-06-001)	Transfer Line TL-511 (ES-04-001)	SG-505
Contact Condenser Tank V-531 (ES-06-002)	Volute TV-512 (ES-04-002)	ES-01-017 (SG-505, FINES TANK SLIDEGATE)
Crude Storage Tanks V-535A-C (ES-06-010)	Electrical	SG-506
Fatty Acid Storage Tank T-560 (ES-08-001)	E1 Drawings	ES-01-026 (SG-506) FEED TANK SLIDE GATE)
Flash Tank V-562 (ES-08-006)	E2 Drawings	SNC-502A
Head Tank T-552 (ES-07-003)	Equip Spec	SNC-502B
NR Cyclone V-522 (ES-04-012)	Ducon	T-501
P&ID-03-08		T-502A
Purge Pump V-565 (ES-08-013)		T-505
Purge Tank T-564 (ES-08-011)		ES-01-016 (T-505) FINES TANK)
Quench Tank T-513 (ES-05-004)		T-506
		ES-01-024 (T-506) DRYER FEED TANK)
		VF-501
		ES-01-002 (VF-501) CRUSHER

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VIBRATING FEEDER)

VF-502A-C

ES-01-009

(VF-502A-C SCREEN FEEDER 1-2-3)

VF-506

ES-01-027

(VF-506 DRYER VIBRATING FEEDER)

PFD-02

BE-508A

BE-508B

CV-509A

CV-509B

DC-509

ES-02-017 (DC-509

DUST COLLECTOR)

DV-510A

ES-02-022

(DV-510A Diverter 1)

DV-510B

FAN-509

ES-02-018

(FAN-509 Exhaust Fan)

L-508A

ES-02-004 (L-508A

Rotary Feeder)

L-508B

L-509

ES-02-019 (L-509

DC509 AIRLOCK)

L-510A

ES-02-025 (L-510A

Airlock P-510A)

L-510B

ES-02-026 (L-510B

Airlock P-510B)

P-510A

P-510B

SG-508A

ES-02-003

(SG-508A

SLIDEGATE T-508A)

SG-508B

ES-02-008

(SG-508B

SLIDEGATE T-508B)

SG-509A

ES-02-013

(SG-509A ORE

TRANSFER TANK

SLIDE GATE 1)

SG-509B

ES-02-014

(SG-509B ORE

TRANSFER TANK

SLIDE GATE 2)

SG-510

ES-02-024 (SG-510

SLIDEGATE T-510)

T-508A

ES-02-002 (T-508A

COKE PRE FEED

TANK)

T-508B

ES-02-007 (T-508B

ORE PRE FEED

TANK)

T-509A

ES-02-011 (T-509A

ORE TRANSFER

TANK 1)

T-509B

ES-02-012 (T-509B

ORE TRANSFER

TANK 2)

T-510

VF-509A

ES-02-015 (VF-509A

ORE TRANSFER

FEEDER 1)

VF-509B

ES-02-016 (VF-509B

ORE TRANSFER

FEEDER 2)

WF-508A

WF-508B

PFD-03

R-511

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B-512

KK-512B

LC-512

NS-512A

P-521A

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SPS-512

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V-535A-C

V-540

V-541

X-531A-B

X-541

PFD-07

BL-554

L-550

N-552

P-551

P-552

P-555

S-554

T-550

T-551

REV-B

T-552

T-553

T-554

T-555

Z-551

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NS-563

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General Arrangement

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P&ID-03-08

PFD

Chlorination

Oxidation

PID

Chlorinator01

Conceptual Equipment Design

Concrete and Steel received

2-18-2006

Equipment Arrangement

2-18-2006

Equipment received 2-17-2006

Revised concrete drawing

2-20-2006

Shell and Tube Heat Exchangers

Equipment spec by Bob

Equipment Spec in B&W for print

out

Exchangers

Exchanger 04-09-08

RC Tank V-541

general layout L R

Industrial hygiene

INCONEL ALLOYS

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OXIDATION

ALCL3_GEN

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Pellet Tank PFD-011 Oxygen Heating and Oxidation Reaction <ul style="list-style-type: none"> A-5300-5350 KCl Tank Agitator A&B F-5200 Oxygen Heater FP-5560 Flue Pond R-5500 Oxidation Reactor T-5250 Toluene Storage Tank T-5300-5350 KCL Mix Tank A & B <ul style="list-style-type: none"> T-5400 Salt Storage Bin T-5420 Salt Shot Bin T-5440 Salt Feed Bin TB-5500 Toluene Atomizer PFD-012 Separation, Collection and Slurry <ul style="list-style-type: none"> CV-5790 Degassing Screw Conveyor R-5800 Slurry Tank T-5620 Surge Pot T-5790 Water Tank T-5900 Caustic Vent Scrubber PFD-013 Surface Treatment Preparation <ul style="list-style-type: none"> A-6020 Sodium Aluminate Preparation Agitator T-6000 NaOH Storage Tank T-6020 Sodium Aluminate Preparation Tank T-6040 Caustic Dilution Tank T-6060 Sodium Aluminate Storage Tank T-6080 HCL Dilution Tank T-6100 Sodium Silicate Storage Tank PFD-014 Surface Treatment <ul style="list-style-type: none"> A-6200 Surface Treatment Agitators #1-8 T-6200-6250-6300-6350-6400-6450-6500-6550 Surface Treatment Blend Tank #1, #2, #3, #4, #5, #6, #7 & #8 PFD-015 Surface Treatment PFD-016 Filtration & Recovery (1 of 4) <ul style="list-style-type: none"> GS-6680 Gravity Settler #1 P-6690 Liquid Ring Pump RDF-6610-6630 Drum Filter T-6600-6700-6800-6900 Screen Tank #1, #2, #3, #4 T-6640-6740-6840-6940 Drain Tank #1,#2,#3 & #4 T-6650 Vacuum Receiver T-6670 Vacuum Receiver T-6690 Blend Back Tank PFD-017 Filtration & Recovery (2 of 4) <ul style="list-style-type: none"> T-6700 Screen Tank #2 T-6740 Drain Tank #2 T-6750 Vacuum Receiver T-6770 Vacuum Receiver PFD-018 Filtration & Recovery (3 of 4) <ul style="list-style-type: none"> T-6800 Screen Tank #3 T-6840 Drain Tank #3 T-6850 Vacuum Receiver T-6870 Vacuum Receiver PFD-019 Filtration & Recovery (4 of 4)
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<ul style="list-style-type: none"> GS-6980 Gravity Settler #4 T-6900 Screen Tank #4 T-6940 Drain Tank #4 T-6950 Vacuum Receiver T-6970 Vacuum Receiver PFD-020 Drying (1 of 2) <ul style="list-style-type: none"> Flash Dryer Conventional Flash Dryer from Alstrom <ul style="list-style-type: none"> Conventional Flash Dryer Quote from Alstrom PB1702 - Raymond Flash Drying Systems.pdf TypicalGenArgmnt_N o9FlashDryer.pdf(2) Flash Dryer from Alstrom <ul style="list-style-type: none"> Flash Dryer from Alstrom PB1702 - Raymond Flash Drying Systems.pdf Flash Dryer from Niro PFD-021 Drying (2 of 2) <ul style="list-style-type: none"> Flash Dryer Conventional Flash Dryer from Alstrom <ul style="list-style-type: none"> Conventional Flash Dryer Quote from Alstrom PB1702 - Raymond Flash Drying Systems.pdf TypicalGenArgmnt_N o9FlashDryer.pdf(2) Flash Dryer from Alstrom <ul style="list-style-type: none"> Flash Dryer from Alstrom PB1702 - Raymond Flash Drying Systems.pdf Flash Dryer from Niro PFD-022 Grinding & Recovery (1 of 4) <ul style="list-style-type: none"> CV-7400 Volumetric Feeder for Micronizer from Thayer ES-022-MG7420-7520-7620-7720 Micron Grinder #1 ES-022-T-7470-7570-7670-7770 Pot Seal #1, #2, #3 & #4 ES-022-T7400-7500-7600-7700 Grinder Feed Bin #1, #2, #3, #4 PFD-023 Grinding & Recovery (2 of 4) <ul style="list-style-type: none"> CV-7500 Volumetric Feeder for Micronizer from Thayer T-7500 Grinder Feed Bin #2 T-7570 Pot Seal #2 PFD-024 Grinding & Recovery (3 of 4) <ul style="list-style-type: none"> CV-7600 Volumetric Feeder for Micronizer from Thayer T-7600 Grinder Feed Bin #3 T-7670 Pot Seal #3 	<ul style="list-style-type: none"> PFD-025 Grinding & Recovery (4 of 4) <ul style="list-style-type: none"> CV-7700 Volumetric Feeder for Micronizer from Thayer T-7700 Grinder Feed #4 T-7770 Pot Seal #4 PFD-026 Packing <ul style="list-style-type: none"> T-7800-7900 Product Bin #1 & #2 PFD-027 Cementation <ul style="list-style-type: none"> T-8010 Waste Slurry Storage Tank T-8020 Waste Metering Bin T-8020 Waste Metering Bin (Deleted Equipment) T-8030 Cement Metering Bin T-8040 Fly Ash Metering Bin T-8050 Cement Silo T-8060 Fly Ash Silo PFD-028 Furne Abatement Systems <ul style="list-style-type: none"> CC-8100 Fume Scrubber PFD-029 Maintenance Scrubber System PFD-030 Start-Up Vent System <ul style="list-style-type: none"> Phillip Equipment Brochures <ul style="list-style-type: none"> Packer PSI Equipment Specs in pdf Equipment Arrangement <ul style="list-style-type: none"> 3D GENERAL ARRANGEMENT Archived FINAL Final Final pdf Index Tabs 100K Junk Data <ul style="list-style-type: none"> Chlorination Project <ul style="list-style-type: none"> Equipment Templates ImportExportSettings Orthos PID DWG Plant 3D Models ReportTemplates Spec Sheets StringTables Oxidation Project <ul style="list-style-type: none"> Equipment Templates ImportExportSettings Orthos PID DWG Plant 3D Models ReportTemplates Spec Sheets StringTables Project 1 <ul style="list-style-type: none"> Equipment Templates ImportExportSettings Orthos PID DWG Plant 3D Models ReportTemplates Spec Sheets StringTables LEGENDS LEGENDS 	<ul style="list-style-type: none"> archived Legends In pdf Line Sizing New Folder P&ID <ul style="list-style-type: none"> New P&ID from Princess Archive <ul style="list-style-type: none"> 100K P&ID ARCHIVE - 100K P&ID P&ID pdf PFD <ul style="list-style-type: none"> PFDs In DWG PFDs in pdf PFDs Table in Excel PFD Presentation PFDs In DWG archive princess princess PFD <ul style="list-style-type: none"> PFD_Final Simulation-Factsage Results <ul style="list-style-type: none"> ChemCAD Rev A Rev B Piping Material Summary Table Process Docs <ul style="list-style-type: none"> Process Calculations Vapor Pressures TIC14 Critical Pressure Calc and Data Process Description Raw Material Recommended Import Equipment <ul style="list-style-type: none"> Injection Pump TIC14 pumps Safety <ul style="list-style-type: none"> 1 Safety Guidelines 2 Hazardous Materials List 3 Fire Protection <ul style="list-style-type: none"> FireProtectionHandbook2008CD <ul style="list-style-type: none"> AutoPlay Audio Buttons Images 4 OSHA Chlorine and TIC14 Manuals Tagging and Numbering System Waste Treatment <ul style="list-style-type: none"> NuVision Engineering Commercial Nuclear, Waste Retrieval - Treatment, Robotics, Fossil Power_files Waste Treatment Proposal (pdf) BI Submittal 20091231 <ul style="list-style-type: none"> BI Submittal Updated <ul style="list-style-type: none"> ELECTRICAL, INSTRUMENTS AND CONTROL <ul style="list-style-type: none"> 1. Control System Architecture 2. Control System Config Diagram 3. IO Count 4. Intrument Index Table; Preliminary 5. Preliminary Motor List & Electrical Loads OTHERS <ul style="list-style-type: none"> 1. Tag System Description
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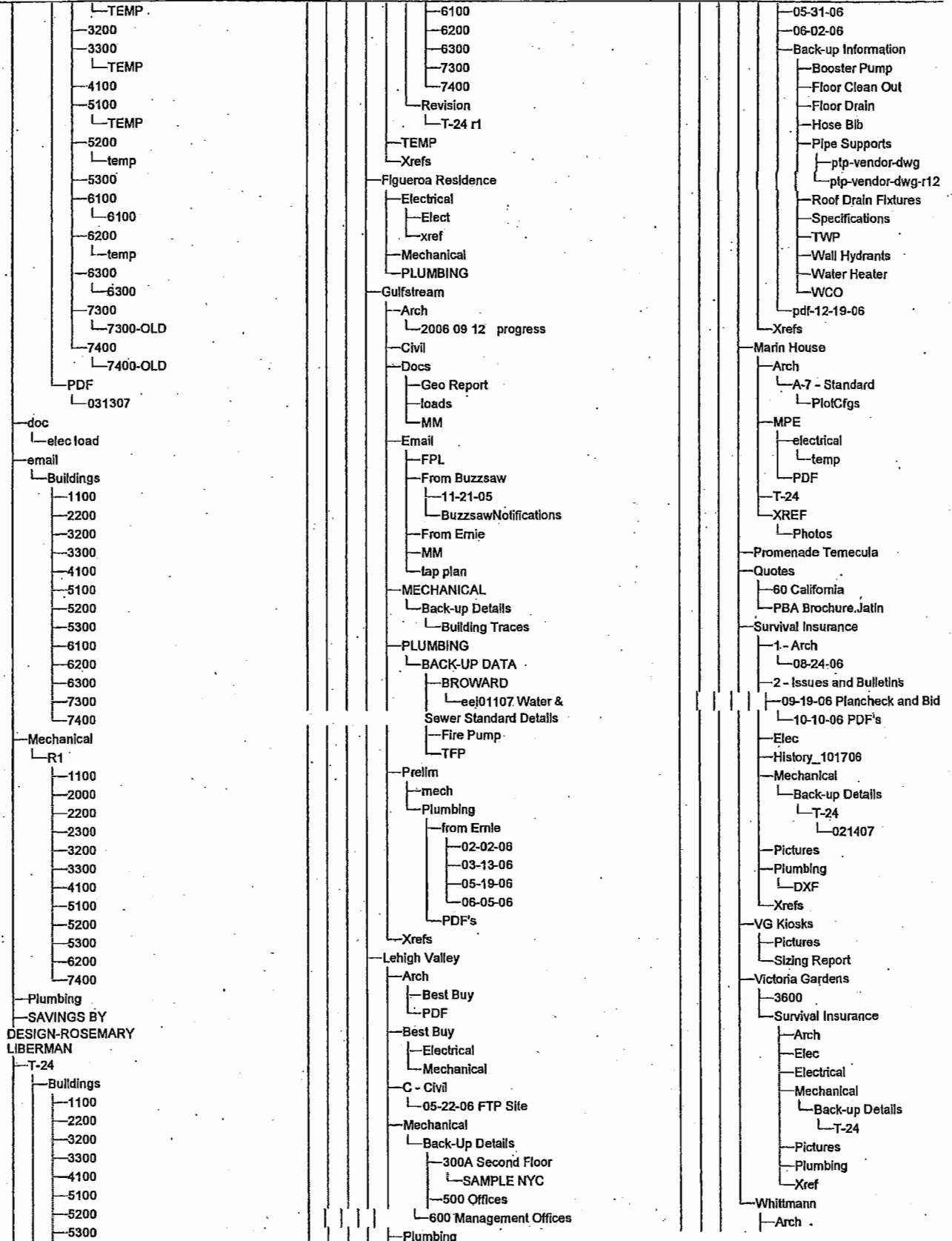
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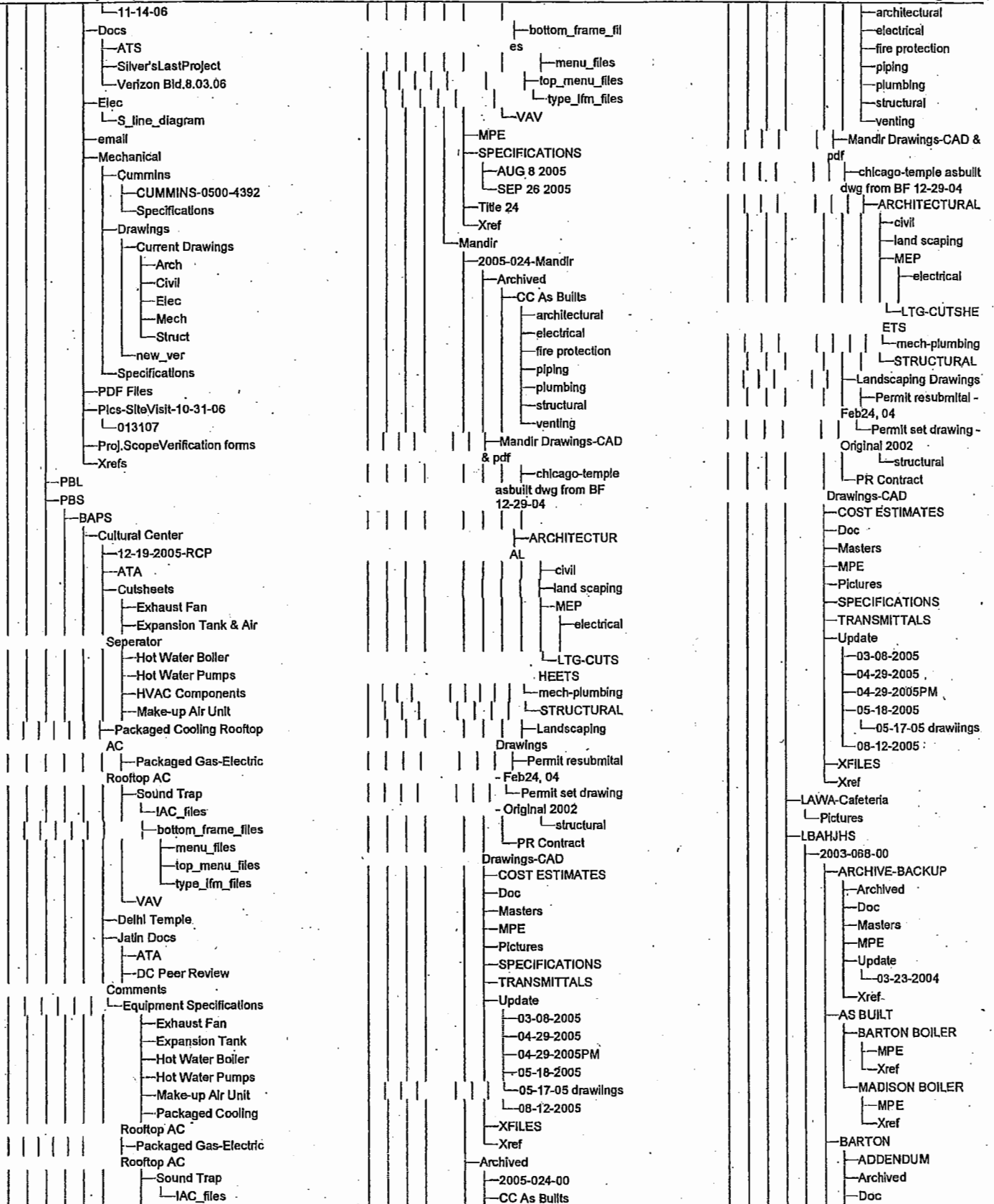
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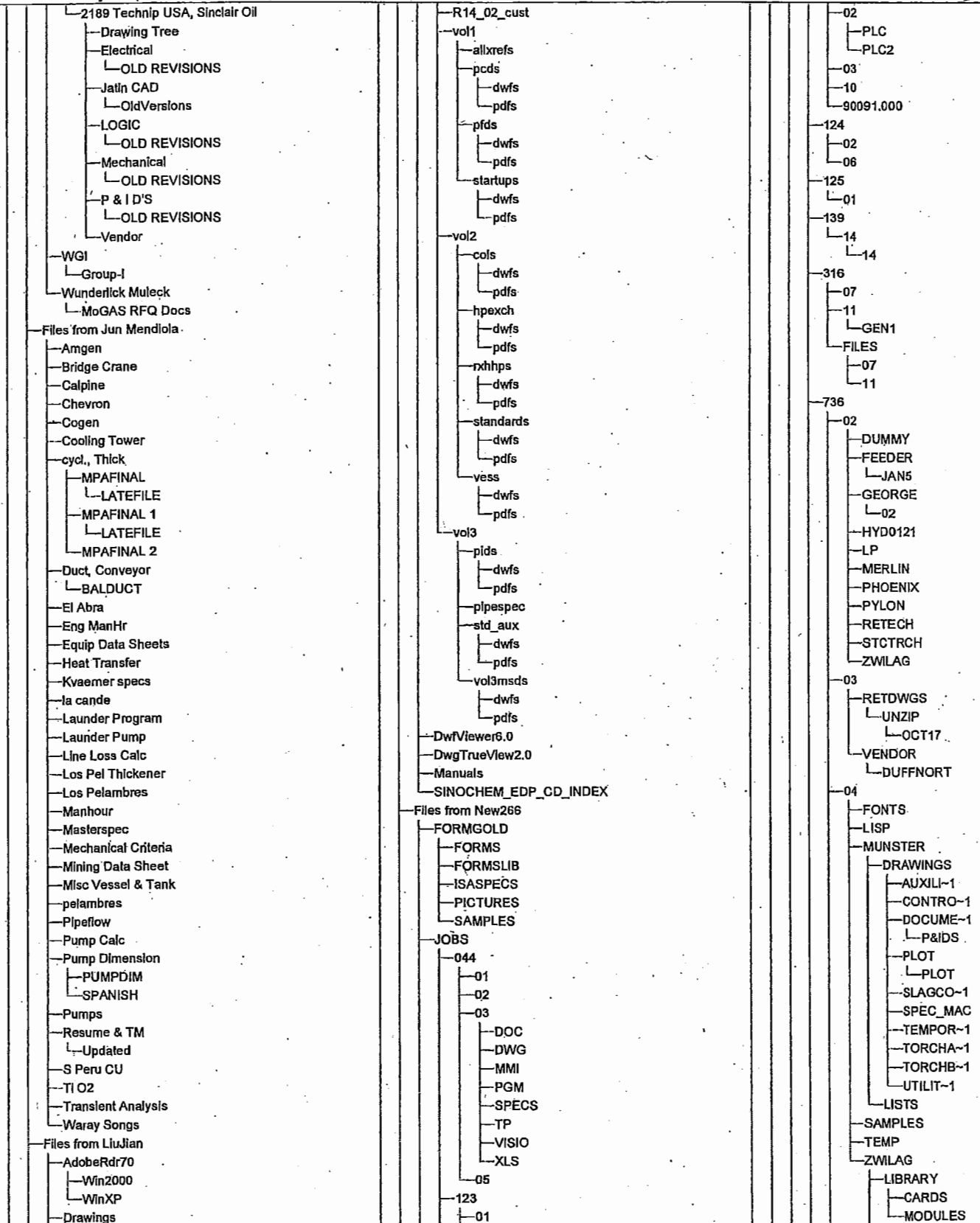
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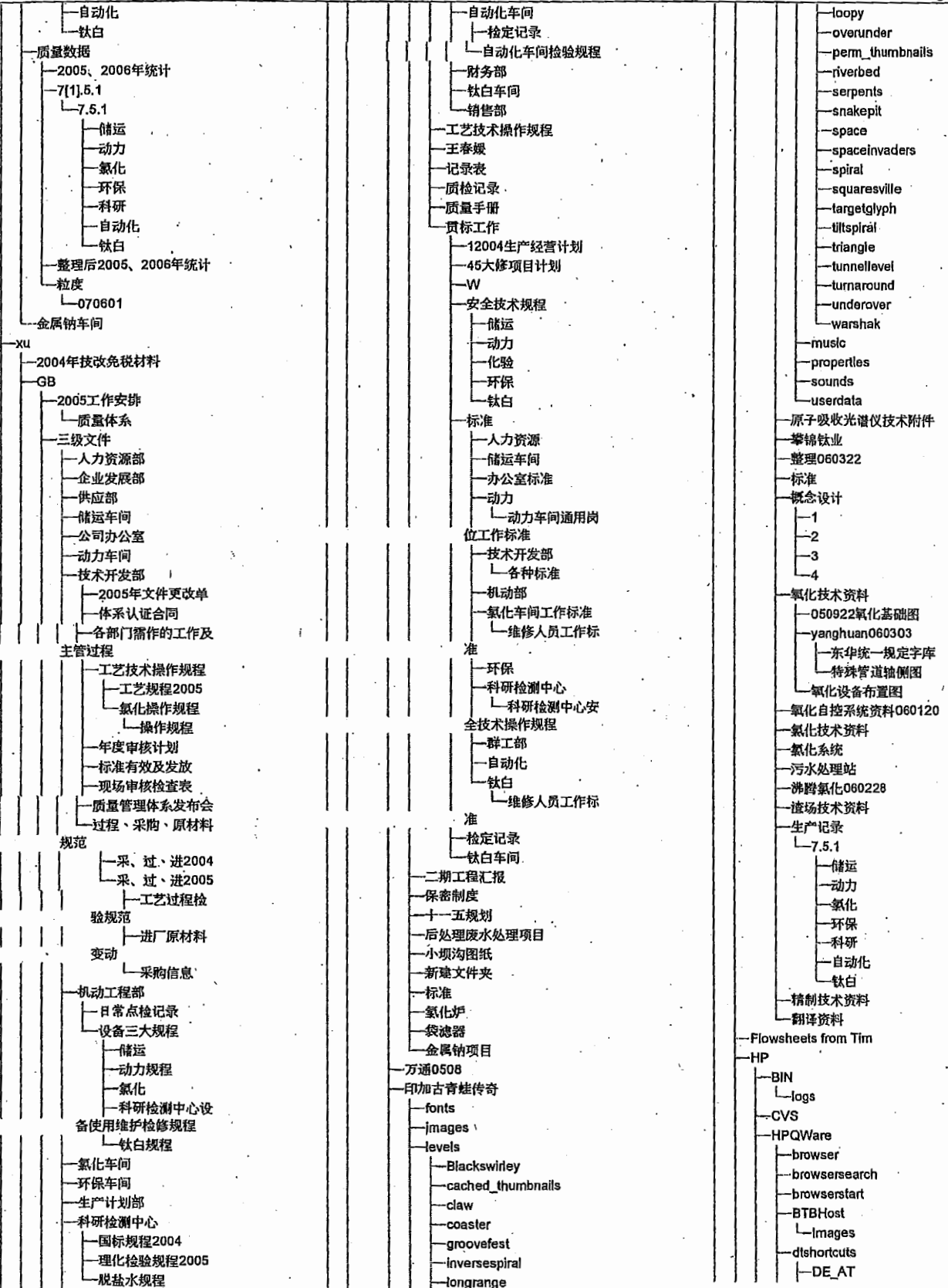
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<ul style="list-style-type: none"> Photo of packing basic design Piping and Instrumentation Diagrams (P&ID) Piping Specifications Process Description Process Flow Diagrams (PFD) Raw Materials and Utilities Requirements Safety Single Line Diagrams Valve List and Valves Specifications Waste and Treatment Recommendation CONCEPTUAL RELEASE ISSUED 05USSCY32PGJZ185 2006 Conceptual P&I released for review Conceptual PFD released for review Conceptual Technical Documents Site Plan and General Layout Detail Design Issued for Contract 05USSCY32PGJT185 2006 <ul style="list-style-type: none"> Chlorinator (ES-03-001) Manifold (ES-03-004) Structural (ES-03-001) Transfer Line (ES-04-001) Volute (ES-04-002) Detail Design Issued to Contract PJTY-FEI-07-02 July 2007 <ul style="list-style-type: none"> Calculations Chlorinator Rev B Material Specifications Purification Column C-563 Detail Design Drawings Side Draw System Detail Design Drawings PJTY(XIN)-08-01 ISSUED JANUARY 2009 <ul style="list-style-type: none"> OXIDATION AND POST-TREATMENT <ul style="list-style-type: none"> Calculations of Pressure Vessels Detail Design Equipment List Equipment Specifications <ul style="list-style-type: none"> PFD-101 Equipments <ul style="list-style-type: none"> Al Pellet Storage Tank (T-713) AlCl3 Generator Vessel (RX-713) Ceramic Lined TiCl4 Pipe (CLP-710) Generator Ceramic Lined Pipe (CLP-713) Pure TiCl4 Pump (P-701) Pure TiCl4 Tank (V-701) Slide Gate (SG-713) TiCl4 Heater (HT-710), Stack (ST-710), Blower (BL-710) Volumetric Screw Feeder (VF-713) PFD-102 Equipments <ul style="list-style-type: none"> Ceramic Lined O2 Pipe (CLP-720) KCl Mix Tank Agitators (A-725A, A-725B) KCl Salt Mix Tank (T-725A&B) KCl Solution Metering Pump (P-725) 	<ul style="list-style-type: none"> Oxygen Heater Stack and Blower (HT-720, ST-720 & BL-720) Reactor Vessel (RX-723) & Salt Solution Nozzle (TB-723) <ul style="list-style-type: none"> Nozzle Salt Addition Tee (SAT-727) Salt Pressure Bin (V-727) Salt Pressure Bin Rotary Valve (L-727B) Salt Shot Bin (V-728) Salt Storage Bin (T-727) Slide Gate (SG-727) Toluene Atomizer (TB-722) Toluene Pump (P-721) Toluene Storage Tank (V-721) <ul style="list-style-type: none"> Vibrators (KK-727A, KK-727B) PFD-103 Equipments <ul style="list-style-type: none"> Caustic Vent Scrubber (T-739) Degassing Screw Conveyor (SC-735B) Flue Pond Pipe (FP-730) Maintenance Stand (MS-733) Oxidation Bag Filter (BG-733A&B) Rotary Valves (L-736) Screw Conveyor (SC-735A) Scrubber Circulation Pump (P-739) Slide Gates (SG-733A, SG-733B) Slurry Pumps (P-737A, B, C) Slurry Tank (V-737) Spray Nozzle (SN-737) 12-19-2008 Slurry Tank Acid Brick (TBL-737) Slurry Tank Agitator (A-737) Spray Nozzle (SN-737) Sump Pump (P-738) Twin Basket Strainer (STR-737) Vibrators (KK-733A, KK-733B) Water Pump (P-732) Water Tank (T-732) PFD-104 Equipments <ul style="list-style-type: none"> Acid Dilution Tank (T-743) Caustic Dilution Tank (T-742) Caustic Feed Pump (P-742) Caustic Pump (P-746) HCl Pump (P-743) NaOH Storage Tank (T-746) Sodium Aluminate Agitator (A-740) Sodium Aluminate Feed Pump (P-741) Sodium Aluminate Preparation Tank (T-740) 	<ul style="list-style-type: none"> Sodium Aluminate Storage Tank (T-741) Sodium Aluminate Transfer Pump (P-740) Sodium Silicate Feed Pump (P-744) Sodium Silicate Storage Tank (T-744) <ul style="list-style-type: none"> Twin Basket Strainers (STR-741) PFD-105 Equipments <ul style="list-style-type: none"> Blend Tank (T-747A-D) & Agitator (A-747A-D) Exhaust Fan (FAN-747) Recirculation Pump (P-747A,B,C,D) Strainer (STR-747A-D) Sump Pump (P-749) TiO2 Pigment Discharge Pump (P-748A,B,C,D) PFD-106 Equipments <ul style="list-style-type: none"> Air Diaphragm Pump (P-757A,B) Blend Back Pump (P-758) Blend Back Tank (T-758) Blend Back Tank Agitator (A-758) Drain Pump (P-755A,B) Drain Tank (T-755A&B) Gravity Settler (T-757A&B) Ribbon Screw Conveyor (SC-752A&B) Rotary Drum Filters Package (RDF 751A&B, 752A&B, SC-751A&B, P-760A&B) Screen Tank (T-750A&B) Sump Pump Wash Area (P-759) Vacuum Receive Pump (P-754A&B, P-756A&B) Vacuum Receiver (V-754A&B & V-756A&B) Vent Blower (BL-751A&B) PFD-107 Equipments PFD-108 Equipments <ul style="list-style-type: none"> Air Filter Bag Filter (BF-765A&B) Blower Dryer Air Heater (AH-761A) Dryer Feed Screw Conveyor (SC-763A&B) Dryer TiO2 Rotary Valves (L-765A,B,C,D) Flash Dryer (FD-763A&B) Snubber Vibrators PFD-109 Equipments <ul style="list-style-type: none"> Bag Filter Feed (T-771A&B) & Product Weigh Bin (T-779A&B) Baghouse (BH-771A,B) Barometric Condenser (BC-777A&B) Cooling Screw (SHX-782A,B) Feed Bin Rotary Valves (L-772A,B) Grinder Bag Filters (BF-775A-1,A-2,B-1,B-2)
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- Heat Exchanger (X-777A&B)
- Heat Exchanger Recirculation Pump (P-777A,B)
- Liquid Ring Pump (P-778A,B)
- Micron grinder (MG-773A&B)
- Packer (PK-780A&B)
- Packer Feed Rotary Feeder (L-779A,B)
- Packer Feed Rotary Valve (L-782A,B)
- Plate Heat Exchanger (X-777A,B)
- Pneumatic Conveying Systems
- Product Bin Slide Gate (SG-775A-1,A-2,B-1,B-2)
- Seal Pot (POT-777A&B)
- Slide Gate (SG-771A,B)
- TiO2 Pigment Rotary Feeder (L-776A-1, A-2, B-1, B-2)
- TiO2 Pigments Rotary Feeder (L-775A-1,A-2, B-1, B-2)
- Volumetric Screw Feeder (VF-773A&B)
- Wet Clone (CY-778A&B)
- PFD-110 Equipments
- Sump Pump Finish Area (P-779)
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- PJT(Y)(XIN)-08-01 SUBMITTALS ISSUED AUGUST 2008
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- 08-08-08 EQUIPMENT SUBMITTALS
- CHLORINATION P&ID07-31-08
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- PJT(Y)(XIN)-08-01 SUBMITTALS ISSUED May 20 2008
- Chlorination and Purification Equipments
- PFD-01 Equipments
- PFD-02 Equipments
- DV-510A
- ES-02-022 (DV-510A Diverter 1)
- ES-02-017 (DC-509 DUST COLLECTOR)
- FAN-509
- ES-02-018 (FAN-509 Exhaust Fan)
- PFD-03 Equipments
- Chlorinator Rev D
- REACTION COMPRESSOR
- PFD-04 Equipments
- NR Cyclone ES-04-012 (V-522)
- Spray Condenser ES-04-005 (V-512)
- SR Contact Condenser ES-04-007 (V-520)
- Transfer Line ES-04-001 (TL-511)
- Volute ES-04-002 (TV-512)
- PFD-05 Equipments
- Quench Tank ES-05-004 (V-513)

- Vent Scrubber ES-05-009 (T-514) and Nozzles
- PFD-06 Equipments
- PFD-07 Equipments
- PFD-08 Equipments
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- General Equipment Layout
- Pressure Vessels ASME Calculations
- Standards and References
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Screw Conveyor SC-735A	Coke Ore Injection Pipe (INJ-510)	Rotary Feeder (L-512)
Slurry Tank	Coke Pre Feed Tank (T-508A)	Solid Removal Condensate Tank (V-521)
Toluene Atomizer	Coke Weigh Feeder (WF-508A)	Spray Condenser (V-512)
Karen Miller	Diverter (DV-510A)	Spray Machine Sland (SPS-512)
KCONVERT	ES-02-022 (DV-510A Div 1)	SR Contact Condenser (V-520)
KINGSTON Rakesh Ray	Dry Coke Transfer Bucket Elevator (BE-508A)	SR Pumps (P-521A P-521B)
30K TIO2	Dust Collector (DC-509)	Transfer Line (TL-511)
Chlorination	Exhaust Fan (FAN-509)	Volute (TV-512)
Calculation Book	ES-02-018 (FAN-509)	PFD-05 Eqpt
Control System	Impactors (CH-510A)	Draw-Off Tank (T-511)
000	Inj-Pump-Chute (CH-510B)	Archived REV-B
Panel 100A	Inj-Pump-Chute (CH-510B)	Plate Heat Exchanger (X-513)
Panel 100B	Injection Pump Hopper (T-510A)	Quench Tank ES-05-004 (V-513)
Panel 120A	Injection Pump Hopper (T-510B)	Vent Scrubber ES-05-009 (T-514) and Nozzles (N-514)
Panel 120B	ORE Pre Feed Tank (T-508B)	Waste Pumps (P-513A P-13B)
Panel 120C	ORE Transfer Bucket Elevator (BE-508B)	PFD-06 Eqpt
Panel 140A	ORE Transfer Rotary Feeder (L-508A&B, -509, -510A&B)	Contact Condenser (V-530) & Nozzles (N-530)
Panel 140B	ORE Transfer Tank (T-509)	Contact Condenser Cooler A&B (X-531A&B)
Panel 140C	ORE TRANSFER TANK SLIDE GATE 1 (SG-509)	Contact Condenser Pumps (P-531A P-531B)
Panel 150A	ORE Weigh Feeder (WF-508B)	Contact Condenser Tank (V-531)
Panel 150B	Pumps (P-510A&B)	Crude Storage Tank (V-535A&B)
Panel 150C	P-510A	Crude TIC14 Pump (P-535A&B)
Panel 190A	P-510B	RCC Pump (P-541)
Panel 190B	Screw Conveyor (CV-509A)	Refrigerated Condenser Cooler (X-514)
Panel 190C	Screw Conveyor (CV-509B)	Refrigerated Condenser Tank (V-541)
Panel 200A	Slide Gate (SG-508A&B, -509A, -510)	Refrigerated Contact Condenser (V-540) & Nozzles (N-540)
Panel 200B	ES-02-003 (SG-508A)	PFD-07 Eqpt
Panel 220	ES-02-013 (SG-509A)	Acid Pump (P-551A&B)
Panel 290	ES-02-024 (SG-510 SLIDEGATE T-510)	Acid Tank (T-551)
PER101-A	Transition	Baffle Tower (T-553) & Spray Nozzle (N-553)
Equipment	PFD-03 Eqpt	Blower (BL-554)
Equipment List	Chlorinator (R-511)	Caustic Pump (P-555A&B)
Equipment Specs	Archived REV-B	Caustic Scrubber (T-554) & Spray Nozzle (N-554)
PFD-01 Eqpt	REV-C	Caustic Tank (T-555)
Bin Activator (BA-506)	Chlorinator (R-511)	Chlorine Analyzer (Z-551)
Dry Coke Bed-Screw Conveyor (CV-507B)	CHLORINATOR R-511 (ES-03-001)	Fume Disposal Cyclone (T-550) & Variable Orifice (L-550)
Dryer Air Heater (AH-507)	PDF	Head Tank (T-552)
Dryer Dust Collector (DC-507)	Manifold (ES-03-004)	Stack (S-554)
Dryer Feed Screw Conveyor (CV-506B)	Reaction Compressor	Sump Pump (P-552)
Dryer Feed Tank (T-506)	PFD-04 Eqpt	PFD-08 Eqpt
Dryer Hot Air Fan (FAN-507B)	Heat Exchanger (X-521)	Agitators
Dust Collector (DC-504)	NR Cyclone (V-522)	Circulation Pump
Exhaust Fan (FAN-504)		
Exhaust Fan (FAN-507A)		
Exhaust Fan (FAN-507C)		
Fluid Bed Dryer (FBD-507)		
L-504 & L-507 (Airlock Feeder)		
Screw Conveyor (CV-506A)		
Screw Conveyor (CV-507A)		
Screw Conveyor (DC-504)		
Slide Gate (SG-506)		
PFD-02 Eqpt		
Adapter		
Coke & ORE Feed Tank (T-510)		

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<ul style="list-style-type: none"> —Air Diaphragm Pump (P-757A,B) —Blend Back Pump (P-758) —Blend Back Tank (T-758) —Blend Back Tank Agitator (A-758) —Drain Pump (P-755A,B) —Drain Tank (T-755A&B) —Gravity Settler (T-757A&B) —Ribbon Screw Conveyor (SC-752A&B) —Rotary Drum Filters Package (RDF 751A&B, 752A&B, SC-751A&B, P-760A&B) —Screen Tank (T-750A&B) —Sump Pump Wash Area (P-759) —Vacuum Receive Pump (P-754A&B, P-756A&B) —Vacuum Receiver (V-754A&B & V-756A&B) —Vent Blower (BL-751A&B) —PFD-107 Equipments —PFD-108 Equipments <ul style="list-style-type: none"> —Air Filter —Bag Filter (BF-765A&B) —Blower —Dryer Air Heater (AH-761A) —Dryer Feed Screw Conveyor (SC-763A&B) —Dryer TIO2 Rotary Valves (L-765A,B,C,D) —Flash Dryer (FD-763A&B) <ul style="list-style-type: none"> —Snubber —Vibrators —PFD-109 Equipments <ul style="list-style-type: none"> —Bag Filter Feed (T-771A&B) & Product Weigh Bin (T-779A&B) —Baghouse (BH-771A,B) —Barometric Condenser (BC-777A&B) <ul style="list-style-type: none"> —Cooling Screw (SHX-782A,B) —Feed Bin Rotary Valves (L-772A,B) —Grinder Bag Filters (BF-775A-1,A-2,B-1,B-2) —Heat Exchanger (X-777A&B) —Heat Exchanger Recirculation Pump (P-777A,B) —Liquid Ring Pump (P-778A,B) —Micron grinder (MG-773A&B) <ul style="list-style-type: none"> —Packer (PK-780A&B) —Packer Feed Rotary Feeder (L-779A,B) —Packer Feed Rotary Valve (L-782A,B) —Plate Heat Exchanger (X-777A,B) 	<ul style="list-style-type: none"> —Pneumatic Conveying Systems <ul style="list-style-type: none"> —Product Bin Slide Gate (SG-775A-1,A-2,B-1,B-2) —Seal Pot (POT-777A&B) —Slide Gate (SG-771A,B) —TIO2 Pigment Rotary Feeder (L-776A-1, A-2, B-1, B-2) —TIO2 Pigments Rotary Feeder (L-775A-1,A-2, B-1, B-2) —Volumetric Screw Feeder (VF-773A&B) <ul style="list-style-type: none"> —Wet Clone (CY-778A&B) —PFD-110 Equipments <ul style="list-style-type: none"> —Sump Pump Finish Area (P-779) —General Arrangement (GA) <ul style="list-style-type: none"> —Oxidation —Post Treatment —Index List —Instrument <ul style="list-style-type: none"> —Instrument Cut-sht (vendor Info.) <ul style="list-style-type: none"> —Load Cells <ul style="list-style-type: none"> —Centerlign —Gagemount —Speed Switch —Instrument List —Old Files —Instrument Spec <ul style="list-style-type: none"> —Instrument Spec OLd —PIPE FLO FILES <ul style="list-style-type: none"> —05-07-09 <ul style="list-style-type: none"> —LIQUIDS —Pipe Flow for Valves-Compressible —P & ID <ul style="list-style-type: none"> —dwg —pdf —PFD <ul style="list-style-type: none"> —dwg —pdf —Pipe List, Piping Detail Design <ul style="list-style-type: none"> —Pipe List —Piping Detail Design —Process Documents <ul style="list-style-type: none"> —Process Descriptions —Single Line Diagrams <ul style="list-style-type: none"> —dwg —pdf —Valve <ul style="list-style-type: none"> —Control Valve —General Valve —Valve Cut-sht (vendor info.) —Valve List —Valve Spec —Waste Treatment and Recommended Methods —PSV <ul style="list-style-type: none"> —Data Files —Exhaust Line Sizing —Sizing Reports —Zipped Files —PUD, Legend, Pipe Spec., Control Panel 	<ul style="list-style-type: none"> —Control Panel Detail Design <ul style="list-style-type: none"> —Panel 120 —Panel 140 —Panel 150 —Panel 190 —Panel 220 —Panel 290 —PER101-A —PERF101 000-100-200 —Legend Sht <ul style="list-style-type: none"> —dwg —pdf —Pipe Spec —Process Utility Diagram (PUD) <ul style="list-style-type: none"> —dwg —pdf —Scope of Work 30K —KEM101 <ul style="list-style-type: none"> —08o009_b <ul style="list-style-type: none"> —08o009_B <ul style="list-style-type: none"> —ApiLog —CONN <ul style="list-style-type: none"> —CO_1 —CO_10 —CO_11 —CO_12 —CO_14 —CO_16 —CO_17 —CO_18 —CO_19 —CO_21 —CO_22 —CO_23 —CO_24 —CO_25 —CO_3 —CO_5 —CO_7 —CO_8 —CO_9 —Global —HmlEs <ul style="list-style-type: none"> —ICONS <ul style="list-style-type: none"> —PROJECT_1 <ul style="list-style-type: none"> —DEVICE_1 —PROJECT_2 <ul style="list-style-type: none"> —DEVICE_265 —hOmSave7 <ul style="list-style-type: none"> —s7fcntx —s7h0075x —S7HDPSSX —S7HK31AX —s7hk32cx —s7hk33ax —s7hk96ax —s7hkcomx —s7hkdmx —s7hsintx —s7hss30x —s7hstatx —s7wb53ax —S7WB82AX —s7wbpcax —s7wbpcix —wcf_appx
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 - Classical Music Chinese Titles
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- Christina Passport
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 - Filter Press Info from Pangang
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 - 请波富门斯准备的BD审查意见
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 - 电气
 - 设备
 - 厂家资料
 - 闪蒸干燥机
 - 安海达诺闪蒸资
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 - 尼鲁闪蒸资料
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<ul style="list-style-type: none"> Templates Company_Template2 Ex_Version English Metric SG-5100 Al Pellet Silde Gate T-5000 Pure TICl4 Tank T-5100 Al. Pellet Tank VF-5100 Volumetric Feeder PFD-011 Oxygen Heating and Oxidation Reaction A-5300-5350 KCl Tank Agitator A&B AF-52000 Oxygen Heater Air Filter F-5200 Oxygen Heater FP-5560 Flue Pond IP-5400 Salt Storage Impactor R-5500 Oxidation Reactor SG-5400 Salt Bin Silde Gate SG-5420 Salt Shot Bin Silde Gate T-5250 Toluene Storage Tank T-5300-5350 KCL Mix Tank A & B T-5400 Salt Storage Bin T-5420 Salt Shot Bin T-5440 Salt Pressure Bin TB-5500 Toluene Atomizer PFD-012 Separation, Collection and Slurry CV-5715, 5760 Bag Filter Screw Conveyor #1,2 CV-5780 Oxidation Bag Filter Screw Conveyor CV-5790 Degassing Screw Conveyor IP-5700, 5730, 5750, 5770 Impactors R-5800 Slurry Tank SG-5700, 5730, 5750, 5770 Silde Gate #1,2,3,4 SR-5800 T-5620 Surge Pot T-5801 Water Tank T-5900 Caustic Vent Scrubber PFD-013 Surface Treatment Preparation A-6020 Sodium Aluminate Preparation Agitator T-6000 NaOH Storage Tank T-6020 Sodium Aluminate Preparation Tank T-6040 Caustic Dilution Tank T-6060 Sodium Aluminate Storage Tank T-6070 Seal Pot T-6080 Acid Dilution Tank T-6100 Sodium Silicate Storage Tank PFD-014 Surface Treatment 	<ul style="list-style-type: none"> A-6200 Surface Treatment Agitators #1-8 P-6200-6550 pH Circulation Pump #1,2,3,4,5,6,7,8 T-6200-6250-6300-6350-6400-6450-6500-6550 Surface Treatment Blend Tank #1, #2, #3, #4, #5, #6, #7 & #8 PFD-015 Surface Treatment PFD-016 Filtration & Recovery (1 of 4) CN-6680 CN Filter#1 CV-6600 TIO2 Cake Screw Conveyor #1 FPS-6610, 6710, 6810, 6910 GS-6680 Gravity Settler #1 P-6600 Filter Feed Pump #1 P-6680 Air Diaphragm Pump #1 P-6690 Air Diaphragm Pump #5 P-6690 Lliquid Ring Pump RDF-6610-6630 Drum Filter T-6600-6700-6800-6900 Screen Tank #1, #2, #3, #4 T-6640-6740-6840-6940 Drain Tank #1,#2,#3 &#4 T-6650 Vacuum Receiver T-6670 Vacuum Receiver T-6690 Blend Back Tank PFD-017 Filtration & Recovery (2 of 4) CN-6780 CN Filter #2 CV-6700 TIO2 Cake Screw Conveyor #2 P-6700 Filter Feed Pump #2 P-6780 Air Diaphragm Pump #2 T-6700 Screen Tank #2 T-6740 Drain Tank #2 T-6750 Vacuum Receiver T-6770 Vacuum Receiver PFD-018 Filtration & Recovery (3 of 4) CN-6880 CN Filter #3 CV-6800 TIO2 Cake Screw Conveyor #3 P-6800 Filter Feed Pump #3 P-6880 Air Diaphragm Pump #3 T-6800 Screen Tank #3 T-6840 Drain Tank #3 T-6850 Vacuum Receiver T-6870 Vacuum Receiver PFD-019 Filtration & Recovery (4 of 4) CN-6980 CN Filter #4 CV-6900 TIO2 Cake Screw Conveyor #4 GS-6980 Gravity Settler #4 P-6900 Filter Feed Pump #4 P-6980 Air Diaphragm Pump #4 	<ul style="list-style-type: none"> T-6800 Screen Tank #4 T-6940 Drain Tank #4 T-6950 Vacuum Receiver T-6970 Vacuum Receiver PFD-020 Drying (1 of 2) AF-7090, 7190 Dryer Discharge Air Filter #1,2 B-7090, B-7190 Flash Dryer Conventioanl Flash Dryer from Alstrom Conventioanl Flash Dryer Quote from Alstrom PB1702 - Raymond Flash Drying Systems.pdf TypicalGenArgmnt No9FlashDryer.pdf(2) Flash Dryer from Alstrom Flash Dryer from Alstrom PB1702 - Raymond Flash Drying Systems.pdf Flash Dryer from Niro PFD-021 Drying (2 of 2) Flash Dryer Conventioanl Flash Dryer from Alstrom Conventioanl Flash Dryer Quote from Alstrom PB1702 - Raymond Flash Drying Systems.pdf TypicalGenArgmnt No9FlashDryer.pdf(2) Flash Dryer from Alstrom Flash Dryer from Alstrom PB1702 - Raymond Flash Drying Systems.pdf Flash Dryer from Niro PFD-022 Grinding & Recovery (1 of 4) AF-7440 Grinder Lobe Blower Air Filter #1 B-7460, B-7560, B-7660, B-7770 Grinder Lobe Blower CV-7400 Grinder Volumetric Feeder #1 E-7470-7570-7670-7770 ES-022-CC7470-7570-7670-7700 Barometric Condensers #1, #2, #3, #4 ES-022-CY7480-7580-7680-7780 Wet Cyclones ES-022-MG7420-7520-7620-7720 Micron Grinder #1 ES-022-T-7470-7570-76
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P-7420 Organic Coating Metering Pump #1	PK-7800,7805,7850,7855,7900,7905,7950,7955 Packers	BF-2180 Ore Dust Collection Bag Filter
SG-7400 Grinder Feed Bin Slide Gate #1	SG-7800, 7850, 7900, 7950 Product Feed Slide Gate #1,2,3,4	CV-2100 Dryer Feed Bin Screw Feeder
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T-7420 Organic Coating Storage Tank	PFD-027 Cementation	IP-2100, 2105 Dryer Feed Bin Impactor
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CV-7500 Grinder Volumetric Feeder #2	B-8060 Fly Ash Blower	SF-2100 Dryer Feed Sack Filter
IP-7540, 7550 Grinder Bag Filter Impactor	SG-8030 Cement Slide Gate #1	SG-2100 Dryer Feed Bin Slide Gate
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SG-7500 Grinder Feed Bin Slide Gate #2	SG-8060 Fly Ash Slide Gate #2	SG-2180 Ore Dust Collection Slide Gate
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T-7500 Grinder Feed Bin #2	T-8020 Waste Metering Bin (Deleted Equipment)	T-2140 Dry Ore Fill Bin
T-7570 Pot Seal #2	T-8030 Cement Metering Bin	T-2141 Dry Ore Shot Bin
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CV-7600 Grinder Volumetric Feeder #3	T-8060 Fly Ash Silo	CV-2200 Dryer Feed Bin Screw Feeder
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CV-7700 Grinder Volumetric Feeder #4	CC-8180 Scrubber	T-2200 Dryer Feed Bin
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P-7720 Organic Coating Metering Pump #4	T-8180 Bottoms Tank	T-2280 Coke Dust Collection Tank
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	CC-8220 Purification Scrubber #2	SP-3100 Spray Machine
	CC-8250 Maintenance Scrubber	SPV-3100 Spray Condenser Volute
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<ul style="list-style-type: none"> —PFD-006 Draw Off System —CC-3240 Vent Scrubber —E-3260 Plate Heat Exchanger —P-3250 Scrub Water Collection Pump —T-3200-3210 Draw-Off Tank #1 & #2 —T-3250 Waste Collection Tank —T-3260 Quench Tank —Heat Exchanger Datasheet —Vendor.Dwg —Andritz Filter —O Counts —Instrument Data Sheets —Instrument Index —Legend sheet —MCC Control Logic <ul style="list-style-type: none"> —dwg —MCC —Archive —pdf —Motor List —P&IDs —100K PID pdf —PFDs <ul style="list-style-type: none"> —100K PFD pdf —Utility and Waste Summary —Utility Summary —Waste Summary —BD Submitted May 17 2010 —100K EQUIPMENT ARRANGEMENT <ul style="list-style-type: none"> —100K Equipment Arrangement dwg —100K Equipment Arrangement PDF —Chlorine and TIO2 Balance Diagram —Control System Architecture —Control System Architecture Drawings —Equipment List —Equipment Spec <ul style="list-style-type: none"> —Equipment Spec —Equipment Specs in PDF —PFD-001 Petroleum Coke Handling System <ul style="list-style-type: none"> —BF-2180 Ore Dust Collection Bag Filter —CV-2100 Dryer Feed Bin. Screw Feeder —CV-2180 Ore Dust Collection Screw Conveyor —IP-2100, 2105 Dryer Feed Bin Impactor —IP-2140, 2145 Dry Ore Impactor —RD-2130 Ore Rotary Dryer —SF-2100 Dryer Feed Sack Filter —SG-2100 Dryer Feed Bin Slide Gate —SG-2140 Dry Ore Slide Gate —SG-2141 Dry Ore Shot Bin Slide Gate —SG-2180 Ore Dust Collection Slide Gate —T-2100 Dryer Feed Bin 	<ul style="list-style-type: none"> —T-2140 Dry Ore Fill Bin —T-2141 Dry Ore Shot Bin —T-2180 Ore Dust Collection Tank —PFD-002 Petcoke Dryer & Ore Handling System —CV-2200 Dryer Feed Bin Screw Feeder —CV-2280 Coke Dust Collection Screw Conveyor —IP-2200 Dryer Feed Bin Impactor —IP-2240 Dry Coke Impactor —RD-2230 Coke Dryer System —SF-2200 Dryer Feed Sack Filter —SG-2200 Dryer Feed Bin Slide Gate —SG-2240 Dry Coke Slide Gate —SG-2241 Dry Coke Shot Bin Slide Gate —SG-2280 Coke Dust Collection Slide Gate —T-2200 Dryer Feed Bin —T-2240 Dry Coke Fill Bin Tank —T-2241 Dry Coke Fill Bin —T-2280 Coke Dust Collection Tank —PFD-003 Coke and Ore Injection System <ul style="list-style-type: none"> —CV-2500 Coke and Ore Dust Collection Screw Conveyor —IP-2300 Coke Pre Feed Tank —IP-2350, 2351, 2352, 2353 Ore Pre Feed Impactor —IP-2500 Coke and Ore Dust Collection Impactor —P-2400 Coke and Ore Feed Injection Pump #1 —P-2450 Coke and Ore Feed Injection Pump #2 —SG-2300 Coke Pre Feed Slide Gate —SG-2350 Ore Pre Feed Slide Gate —SG-2400 Coke and Ore Pre Feed Slide Gate —SG-2500 Coke and Ore Dust Collection Slide Gate —T-2300 Coke Pre Feed Tank —T-2350 Ore Pre Feed Tank —T-2400 Coke and Ore Feed Tank —T-2500 Coke and Ore Dust Collection Tank —WF-2300 Coke Pre Feed Weigh Feeder —WF-2350 Ore Pre Feed Weigh Feeder —PFD-004 Chlorination —CC-3100 Spray Condenser —DS-3000,3001,3050,3051 Draw Off System #1,2,3,4 —IP-3100, 3101, 3102, 3103 Spray Condenser Impactors —P-3170 P-3180 P-3190 —SP-3100 Spray Machine 	<ul style="list-style-type: none"> —SPV-3100 Spray Condenser Volute —T-2890 Catch Tank —TL-3000 Transfer Line —PFD-005 Solid Removal System —CC-3120 SR Contact Condenser —CY-3140 NR Cyclone —E-3170-3180 Solid Removal Cooler #1 & #2 —E-3190 Solid Removal Cooler #3 —P-3170,3180,3190 Solid Removal Pump #1,2,3 —T-3150 Solid Removal Condenser Tank —PFD-006 Draw Off System —CC-3240 Vent Scrubber —E-3260 Plate Heat Exchanger —P-3250 Scrub Water Collection Pump —T-3200-3210 Draw-Off Tank #1 & #2 —T-3250 Waste Collection Tank —T-3260 Quench Tank —PFD-007 Condensation System <ul style="list-style-type: none"> —CC-3300 Contact Condenser #1 —CC-3340 Contact Condenser #2 —CC-3390 Refrigerated Contact Condenser —E-3300-3320 (Contact Condenser Cooler #1, #2) —E-3340 (No. 2 Contact Condenser Cooler) —E-3390 (Refrigerated Condenser Cooler) —P-3320, 3330 No 1 Contact Condenser Pump #1,2 —P-3340 No.2 Contact Condenser Pump —P-3390 Refrigerated Condenser Pump —P-3420, 3440 Crude TICl4 Storage Pump #1,2 —T-3300 Contact Condenser Tank #1 —T-3340 Contact Condenser Tank #2 —T-3390 Refrigerated Condenser Tank —T-3420-3440 Crude Storage Tank #1 & #2 —PFD-008 Fume Disposal System <ul style="list-style-type: none"> —T-3400 Caustic Head Tank —T-3410 Acid Tank —T-3470 Caustic Tank —T-3480 NaOCl Collection Tank —PFD-009 TICl4 Purification System <ul style="list-style-type: none"> —E-3530 Pure TICl4 Condenser —E-3540 Pure TICl4 Chiller —E-3570 Super Heater —P-3590, 3595 Circulation Pump #1,2
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<ul style="list-style-type: none"> —P-3620 Purge Pump —P-3650, 5000 Pure TiCl4 Pump #1,2 —R-3550 Purification Column —T-3500 Fatty Acid Tank —T-3570 Flash Tank —T-3590 & T-3595 Circulation Pump Tanks #1 & #2 —T-3600 Purge Tank —T-3620 Purge Pump Tank —T-3650 Pure TiCl4 Tank —PFD-010 TiCl4 Preheat AlCl3 Generator —R-5500 Oxidation Reactor —100K Oxidation Reactor —Back_UP_Ex_Generation —Ready_GO_040 710 <ul style="list-style-type: none"> —OldVersions —Templates —Company_Template2 —Ex_Version <ul style="list-style-type: none"> —English —Metric —Ready_GO_040 810 <ul style="list-style-type: none"> —OldVersions —Templates —Company_Template2 —Ex_Version <ul style="list-style-type: none"> —English —Metric —Ready_GO_040 910 <ul style="list-style-type: none"> —A_cad_files —OldVersions —Templates —Company_Template2 —Ex_Version <ul style="list-style-type: none"> —English —Metric —Pre_DW_Ver_May_03_10 —Pre_DW_Ver_May_04_10 <ul style="list-style-type: none"> —Ex_Versions —OldVersions —SG-5100 Al Pellet Slide Gate —T-5000 Pure TiCl4 Tank 	<ul style="list-style-type: none"> —T-5100 Al Pellet Tank —VF-5100 Volumetric Feeder —PFD-011 Oxygen Heating and Oxidation Reaction —A-5300-5350 KCl Tank Agitator A&B —AF-52000 Oxygen Heater Air Filter —F-5200 Oxygen Heater —FP-5560 Flue Pond —IP-5400 Salt Storage Impactor —R-5500 Oxidation Reactor —SG-5400 Salt Bin Slide Gate —SG-5420 Salt Shot Bin Slide Gate —T-5250 Toluene Storage Tank —T-5300-5350 KCL Mix Tank A & B —T-5400 Salt Storage Bin —T-5420 Salt Shot Bin —T-5440 Salt Pressure Bin —TB-5500 Toluene Atomizer —PFD-012 Separation, Collection and Slurry —CV-5715, 5760 Bag Filler Screw Conveyor #1,2 —CV-5780 Oxidation Bag Filler Screw Conveyor —CV-5790 Degassing Screw Conveyor —IP-5700, 5730, 5750, 5770 Impactors —R-5800 Slurry Tank —SG-5700, 5730, 5750, 5770 Slide Gate #1,2,3,4 —SR-5800 —T-5620 Surge Pot —T-5801 Water Tank —T-5900 Caustic Vent Scrubber —PFD-013 Surface Treatment Preparation —A-6020 Sodium Aluminate Preparation Agitator —T-6000 NaOH Storage Tank —T-6020 Sodium Aluminate Preparation Tank —T-6040 Caustic Dilution Tank —T-6060 Sodium Aluminate Storage Tank —T-6070 Seal Pot —T-6080 Acid Dilution Tank —T-6100 Sodium Silicate Storage Tank —PFD-014 Surface Treatment Agitators #1-8 —P-6200-6550 pH Circulation Pump #1,2,3,4,5,6,7,8 —T-6200-6250-6300-6350-6400-6450-6500-6550 Surface Treatment Blend Tank #1, #2, #3, #4, #5, #6, #7 & #8 —PFD-015 Surface Treatment —PFD-016 Filtration & Recovery 	<ul style="list-style-type: none"> (1 of 4) —CN-6680 CN Filter #1 —CV-6600 TiO2 Cake Screw Conveyor #1 —FPS-6610, 6710, 6810, 6910 —P-6600 Filter Feed Pump #1 —P-6680 Air Diaphragm Pump #1 —P-6690 Air Diaphragm Pump #5 —P-6690 Liquid Ring Pump —RDF-6610-6630 Drum Filter —T-6600-6700-6800-6900 Screen Tank #1, #2, #3, #4 —T-6640-6740-6840-6940 Drain Tank #1,#2,#3 & #4 —T-6690 Blend Back Tank —PFD-017 Filtration & Recovery (2 of 4) —CN-6780 CN Filter #2 —CV-6700 TiO2 Cake Screw Conveyor #2 —P-6700 Filter Feed Pump #2 —P-6780 Air Diaphragm Pump #2 —T-6700 Screen Tank #2 —T-6740 Drain Tank #2 —T-6750 Vacuum Receiver —T-6770 Vacuum Receiver —PFD-018 Filtration & Recovery (3 of 4) —CN-6880 CN Filter #3 —CV-6800 TiO2 Cake Screw Conveyor #3 —P-6800 Filter Feed Pump #3 —P-6880 Air Diaphragm Pump #3 —T-6800 Screen Tank #3 —T-6840 Drain Tank #3 —T-6850 Vacuum Receiver —T-6870 Vacuum Receiver —PFD-019 Filtration & Recovery (4 of 4) —CN-6980 CN Filter #4 —CV-6900 TiO2 Cake Screw Conveyor #4 —GS-6980 Gravity Settler #4 —P-6900 Filter Feed Pump #4 —P-6980 Air Diaphragm Pump #4 —T-6900 Screen Tank #4 —T-6940 Drain Tank #4 —T-6950 Vacuum Receiver —T-6970 Vacuum Receiver —PFD-020 Drying (1 of 2) —AF-7090, 7190 Dryer Discharge Air Filter #1,2 —B-7090, B-7190 —Flash Dryer —Conventional Flash Dryer from Alstrom —Conventional Flash Dryer Quote from Alstrom —PB1702 - Raymond Flash
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Drying Systems.pdf	Bag Filter Slide Gate #1, 2	AF-8050, 8060, 8070 Air Filters #1,2,3
TypicalGenArgmnt No9FlashDryer.pdf(2)	T-7420 Organic Coating Storage Tank	B-8050, B-8070 Cement, Unloading Lobe Blower
Flash Dryer from Alstrom	PFD-023 Grinding & Recovery (2 of 4)	B-8060 Fly Ash Blower
Flash Dryer from Alstrom	AF-7540 Grinder Lobe Blower Air Filter #2	SG-8030 Cement Slide Gate #1
PB1702 - Raymond Flash Drying Systems.pdf	CV-7500 Grinder Volumetric Feeder #2	SG-8040 Fly Ash Bln Slide Gate #1
Flash Dryer from Niro	IP-7540, 7550 Grinder Bag Filter Impactor	SG-8050 Cement Silo Gate #2
PFD-021 Drying (2 of 2)	LBT-7500 Grinder Feed Bin Activator #2	SG-8060 Fly Ash Slide Gate #2
Flash Dryer	P-7520 Organic Coating Metering Pump #2	T-8010 Waste Slurry Storage Tank
Conventioanl Flash Dryer from Alstrom	SG-7500 Grinder Feed Bin Slide Gate #2	T-8030 Cement Metering Bin
Conventioanl Flash Dryer Quote from Alstrom	SG-7540, 7550 Grinder Bag Filter Slide Gate #3, 4	T-8040 Fly Ash Metering Bin
PB1702 - Raymond Flash Drying Systems.pdf	T-7500 Grinder Feed Bin #2	T-8050 Cement Silo
TypicalGenArgmnt No9FlashDryer.pdf(2)	T-7570 Pot Seal #2	T-8060 Fly Ash Silo
Flash Dryer from Alstrom	PFD-024 Grinding & Recovery (3 of 4)	VF-8030 Cement Feeder
Flash Dryer from Alstrom	AF-7640 Grinder Lobe Blower Air Filter #3	VF-8040 Fly Ash Feeder
PB1702 - Raymond Flash Drying Systems.pdf	CV-7600 Grinder Volumetric Feeder #3	PFD-028 Fume Abatement Systems
Flash Dryer from Alstrom	IP-7640, 7650 Grinder Bag Filter Impactor	CC-8100 Fume Scrubber
Flash Dryer from Niro	LBT-7600 Grinder Feed Bin Activator #3	CC-8140 Acid HCl Scrubber #3
PFD-022 Grinding & Recovery (1 of 4)	P-7620 Organic Coating Metering Pump #3	CC-8150 Caustic Scrubber
AF-7440 Grinder Lobe Blower Air Filter #1	SG-7600 Grinder Feed Bin Slide Gate #3	T-8110 Acid Neutralization Tank
B-7460, B-7560, B-7660, B-7770 Grinder Lobe Blower	SG-7640, 7650 Grinder Bag Filter Slide Gate #5, 6	PFD-029 Maintenance Scrubber System
CV-7400 Grinder Volumetric Feeder #1	T-7600 Grinder Feed Bin #3	B-8170
E-7470-7570-7670-7770	PFD-025 Grinding & Recovery (4 of 4)	CC-8180 Scrubber
ES-022-CC7470-7570-7670-7700 Barometric Condensers #1, #2, #3, #4	AF-7740 Grinder Lobe Blower Air Filter #4	S-8170 Stack #1
ES-022-CY7480-7580-7680-7780 Wet Cyclones	CV-7700 Grinder Volumetric Feeder #4	T-8170 Spent Caustic Neutralization Tank
ES-022-MG7420-7520-7620-7720 Micron Grinder #1	IP-7740, 7750 Grinder Bag Filter Impactor	T-8180 Bottoms Tank
ES-022-T-7470-7570-7670-7770 Pot Seal #1, #2, #3 & #4	LBT-7700 Grinder Feed Bin Activator #4	PFD-030 Start-Up Vent System
ES-022-T7400-7500-7600-7700 Grinder Feed Bin #1, #2, #3, #4	P-7720 Organic Coating Metering Pump #4	B-8220
Grinder Volumetric Feeder #1	SG-7700 Grinder Feed Bin Slide Gate #4	B-8250, B-8260
IP-7440, 7450 Grinder Bag Filter Impactor	SG-7740, 7750 Grinder Bag Filter Slide Gate #7,8	B-8280
LBT-7400 Grinder Feed Bin Activator #1	T-7700 Grinder Feed #4	CC-8200 Purification Scrubber #1
P-7420 Organic Coating Metering Pump #1	PFD-026 Packing	CC-8220 Purification Scrubber #2
SG-7400 Grinder Feed Bin Slide Gate #1	CV-7800, 7850, 7900, 7950 Screw Coolers 1-4	CC-8250 Maintenance Scrubber
SG-7440, 7450 Grinder	LBT-7800 Product Feed Bin Activator #1	S-8280 Stack #2
	PK-7800,7805,7850,7855,7900,7905,7950,7955 Packers	PFD-031 Start-Up Vent System
	SG-7800, 7850, 7900, 7950 Product Feed Slide Gate #1,2,3,4	CY-8300 Start-Up Cyclone
	T-7800,7850, 7900, 7950 Product Bin #1#2#3#4	CY-8370 Non-reversing Cyclone
	PFD-027 Cementation	E-8350 Start-Up Cooler
		Heat Exchanger Datasheet
		I-O Counts
		Instrument Data Sheets
		Instrument Index
		Legend sheet
		MCC Control Logic
		Motor List
		P&IDs
		100K PID pdf
		PFDs
		BD设计结合-成都2010.5.20
		BI
		Chlorine and TIO2 Balance

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<ul style="list-style-type: none"> Drawings <ul style="list-style-type: none"> Conceptual Plot Plan <ul style="list-style-type: none"> Plot Plan Sketches by Bob Electrical Instrument and Control Docs <ul style="list-style-type: none"> Equipment <ul style="list-style-type: none"> Chlorinator Equipment Brochures Equipment List and Spec FACTSAGE data Final Numbering System P&ID PFD <ul style="list-style-type: none"> Chlorination PFD <ul style="list-style-type: none"> Chlorination PFD Equipment Templates ImportExportSettings Orthos PID DWG Plant 3D Models ReportTemplates Spec Sheets StringTables Equipment List Factsage Results Chlorination PFDs in AutoCAD OXIDATION PFD <ul style="list-style-type: none"> AutoCAD files Equipment List OXIDATION PROJECT <ul style="list-style-type: none"> Equipment Templates ImportExportSettings Orthos PID DWG Plant 3D Models ReportTemplates Spec Sheets StringTables PDF files Project 1 <ul style="list-style-type: none"> Equipment Templates ImportExportSettings Orthos PID DWG Plant 3D Models ReportTemplates Spec Sheets StringTables Saved PFD excel file from Len PDF <ul style="list-style-type: none"> PDF-Chlorination PDF-OXIDATION pdf files <ul style="list-style-type: none"> Sudha oxidation 07-28-09 Preliminary Layout <ul style="list-style-type: none"> 100K Front End Layout by Bob Process Docs <ul style="list-style-type: none"> Process Description Recommended Import Equipment <ul style="list-style-type: none"> Injection Pump TIC14 pumps Safety <ul style="list-style-type: none"> Chlorine and TIC14 Manuals Fire Protection OSHA Safety Guidelines by Bob Waste Treatment 	<ul style="list-style-type: none"> NuVision Engineering <ul style="list-style-type: none"> Commercial Nuclear, Waste Retrieval - Treatment, Robotics, Fossil Power_files BI SUBMITTAL TO ECEC 200908 <ul style="list-style-type: none"> PFDs to ECEC BI Submitted to ECEC 200908 <ul style="list-style-type: none"> Equipment PFDs DWG BI Submitted to Pangang 200908 <ul style="list-style-type: none"> CI2 and TIO2 Balance Drawings Equipment <ul style="list-style-type: none"> Chlorinator Equipment Brochures EQUIP LIST EQUIP SPEC LENGEND sheets to Pangang 20090817 <ul style="list-style-type: none"> PFDs to Pangang 22090808 <ul style="list-style-type: none"> DWG pdf PFDs Ver2 to ECEC 22090808 Process Description to Pangang 20090824 <ul style="list-style-type: none"> Utilities Summary to Pangang 20090821 Bob Maegerle <ul style="list-style-type: none"> 2005-04-14 2005-04-19 Barge Bob's calculations Bob's correspondence Bob's Design Drawings Bob's design notes Bob's Expenses and Claims Bob's Original Drawings Info sent to Bob <ul style="list-style-type: none"> Info sent to Bob 20070820 Reply by Bob on 30K to 60K Nov 2004 Bob's Memory Stick <ul style="list-style-type: none"> Readme v21 Brochures of equipment and materials Calculations for Pangang 100K TIO2 Collected Technical articles Correspondence with PIETC Na MingAn <ul style="list-style-type: none"> Export License Issue <ul style="list-style-type: none"> Sent to Pangang <ul style="list-style-type: none"> Zipped EAR documents FACTSAGE DATA -100K FACTSAGE OXIDATION-100K Info from Pangang 201004 <ul style="list-style-type: none"> 管链机 粉体流程图和布置初步图 Info from Pangang thru PIETC Info given to Pangang 20081110 Info given to Pangang 200903 <ul style="list-style-type: none"> TIO2_Experts Info sent to PIETC on 100K TIO2 Kick-off Meeting <ul style="list-style-type: none"> PFD by Pangang Plot Plans Vision Files Kunming photo by Bob <ul style="list-style-type: none"> 100KM753 101CASIO 	<ul style="list-style-type: none"> Kunming Photo taken by Xueping Legend Sheets Misc TIO2 Info Pangang 100K Plot Plan Pangang 100K TIO2 Technical Attachment & Drafts <ul style="list-style-type: none"> 2008年8月波富门斯昆明技术附件 <ul style="list-style-type: none"> 附件12附图 Site Info <ul style="list-style-type: none"> 波富门斯界区图 环保标准 PFD from Tim Pre-feasibility Study Report from Meilan Presentation for Pangang 100K TIO2 <ul style="list-style-type: none"> Kuanyin Pictures PLANT PICS Process Flow Calculations 2009 Proposal to PIETC Production Costs Q&As Safety Guidelines by Bob Site visit ChongQing <ul style="list-style-type: none"> Calculations for Pangang 100K TIO2 <ul style="list-style-type: none"> Pangang 100K Plot Plan Q&As Specifications and Data <ul style="list-style-type: none"> Critical Pressure Calc and Data EPlug Valve Technical Attachment 20081111 <ul style="list-style-type: none"> 部分标准 附件12附图 Technical Exchange 200801 TIC14 and O2 Heater Procurement <ul style="list-style-type: none"> Technical Annexes with Selas Technical Annexes(Eng.) <ul style="list-style-type: none"> Annex 11 drawings <ul style="list-style-type: none"> drawing 1 drawing 2 TIC14 data <ul style="list-style-type: none"> Thermodynamics Info <ul style="list-style-type: none"> Prof Sander's Thermodynamics Models <ul style="list-style-type: none"> unifac Thermodynamics 101 by Simon Fraser TIO2 INFO <ul style="list-style-type: none"> Cheng De Xinda TIO2 <ul style="list-style-type: none"> Contract Correspondences on TIO2 <ul style="list-style-type: none"> Bob Maergle and Dan McIntosh Bob Maergle and Dan McIntosh Dong Yuan Wang Xiao Peng Fredcndx Misc Consultants Reply to LiuKeZhong's request & supporting documents Feb 2001 Reply to LiuKeZhong's request and supporting documents Feb 2001 <ul style="list-style-type: none"> xinda QUOPROP Collected TIO2 Info Design Documents <ul style="list-style-type: none"> PFD from Tim updated March

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<ul style="list-style-type: none"> 2005 -DuPont TiO2 Product Info <ul style="list-style-type: none"> -Literature -MSDS <ul style="list-style-type: none"> -MSDS in Chinese -MSDS in English -R-104 -R-706 -R-902+ -R-960 -TiO2 Packaging -TiO2 Test Methods -TiPure Coating Product Info -TiPure Paper Product Info -TiPure Plastics Product Info -Education On TiO2 <ul style="list-style-type: none"> -TiO2 Test Methods -Info of TiO2 Projects in China -Ores Info <ul style="list-style-type: none"> -Rutile MK Grade by India Rareearth_files -Rutile OR Grade by India Rareearth_files -Rutile Q Grade by India Rareearth_files -Report by Aussie on TiO2 -TiO2 and Technology Marketing related info <ul style="list-style-type: none"> -Collected info from DuPont Website -Collected info from Huntsman website -Collected Info from Kemira Website -Collected TiO2 Info from Millenium website -TiO2 Maket Info China -TiO2 Product Info <ul style="list-style-type: none"> -Du Pont's TiPure <ul style="list-style-type: none"> -Coatings -Paper -Plastics -DuPont TiO2 Product Info <ul style="list-style-type: none"> -TiPure Coating Product Info -TiPure Paper Product Info -TiPure Plastics Product Info -TiO2_Experts -TiO2_Patents <ul style="list-style-type: none"> -James Reeves -Tze Chao -Titanium and TiO2 research -TiO2 PFDs October2007 -成都波富门斯公司附件打印版2009年3月 <ul style="list-style-type: none"> -波富门斯附件12附图0311 -成都资料交接会议2010.4.08 -PerfLogs -Admin -PGI Office BACKUP 20080920 -BASIC ENGINEERING ISSUED FOR CONTRACT 05USSCY32PGJZ185 2008 <ul style="list-style-type: none"> -Chlorine and TiCl4 Manuals -Control Logic Diagrams <ul style="list-style-type: none"> -E2 Drawings -Logic Diagrams in pdf -Control System Architecture -Equipment List -Equipment Specifications 	<ul style="list-style-type: none"> -Ducon -Lawrence Pumps -PFD-01 <ul style="list-style-type: none"> -AH-507 -BA-506 -ES-01-025 (BA-506 COKE RECLAIM BIN ACTIVATOR) -BE-501 -BE-505 -BE-506 -CR-501 -CV-501A <ul style="list-style-type: none"> -ES-01-003 (CV-501 S TYPE BELT CONVEYOR) -CV-502 <ul style="list-style-type: none"> -ES-01-006 (CV-502 SCREEN DISTRIBUTION DRAG CONVEYOR) -CV-503A -CV-503B -CV-504A -CV-504B -CV-505 -CV-506A -CV-506B -CV-507A -CV-507B -DC-504 -ES-01-018 (DC-504 DUST COLLECTOR) -DC-507 -FAN-504 <ul style="list-style-type: none"> -ES-01-019 (FAN-504 DC-504 EXHAUST FAN) -FAN-507A -FAN-507B -FAN-507C -FBD-507 -L-504 -ES-01-020 (L-504 DC-504 AIRLOCK) -L-507 -SCN-502C -SG-502A-C <ul style="list-style-type: none"> -ES-01-008 (SG-502A-C SCREEN SLIDE GATE) -SG-505 -ES-01-017 (SG-505, FINES TANK SLIDEGATE) -SG-506 -ES-01-026 (SG-506 FEED TANK SLIDE GATE) -SNC-502A -SNC-502B -T-501 -T-502A -T-505 -ES-01-016 (T-505 FINES TANK) -T-506 -ES-01-024 (T-506 DRYER FEED TANK) -VF-501 <ul style="list-style-type: none"> -ES-01-002 (VF-501 CRUSHER VIBRATING FEEDER) -VF-502A-C <ul style="list-style-type: none"> -ES-01-009 (VF-502A-C SCREEN FEEDER 1-2-3) 	<ul style="list-style-type: none"> -VF-506 <ul style="list-style-type: none"> -ES-01-027 (VF-506 DRYER VIBRATING FEEDER) -PFD-02 <ul style="list-style-type: none"> -BE-508A -BE-508B -CV-509A -CV-509B -DC-509 -ES-02-017 (DC-509 DUST COLLECTOR) -DV-510A <ul style="list-style-type: none"> -ES-02-022 (DV-510A Diverter 1) -DV-510B -FAN-509 <ul style="list-style-type: none"> -ES-02-018 (FAN-509 Exhaust Fan) -L-508A <ul style="list-style-type: none"> -ES-02-004 (L-508A Rotary Feeder) -L-508B -L-509 <ul style="list-style-type: none"> -ES-02-019 (L-509 DC509 AIRLOCK) -L-510A <ul style="list-style-type: none"> -ES-02-025 (L-510A Airlock P-510A) -L-510B <ul style="list-style-type: none"> -ES-02-026 (L-510B Airlock P-510B) -P-510A -P-510B -SG-508A <ul style="list-style-type: none"> -ES-02-003 (SG-508A SLIDEGATE T-508A) -SG-508B <ul style="list-style-type: none"> -ES-02-008 (SG-508B SLIDEGATE T-508B) -SG-509A <ul style="list-style-type: none"> -ES-02-013 (SG-509A ORE TRANSFER TANK SLIDE GATE 1) -SG-509B <ul style="list-style-type: none"> -ES-02-014 (SG-509B ORE TRANSFER TANK SLIDE GATE 2) -SG-510 <ul style="list-style-type: none"> -ES-02-024 (SG-510 SLIDEGATE T-510) -T-508A <ul style="list-style-type: none"> -ES-02-002 (T-508A COKE PRE FEED TANK) -T-508B <ul style="list-style-type: none"> -ES-02-007 (T-508B ORE PRE FEED TANK) -T-509A <ul style="list-style-type: none"> -ES-02-011 (T-509A ORE TRANSFER TANK 1) -T-509B <ul style="list-style-type: none"> -ES-02-012 (T-509B ORE TRANSFER TANK 2) -T-510 -VF-509A <ul style="list-style-type: none"> -ES-02-015 (VF-509A ORE TRANSFER FEEDER 1) -VF-509B <ul style="list-style-type: none"> -ES-02-016 (VF-509B ORE TRANSFER FEEDER 2) -WF-508A
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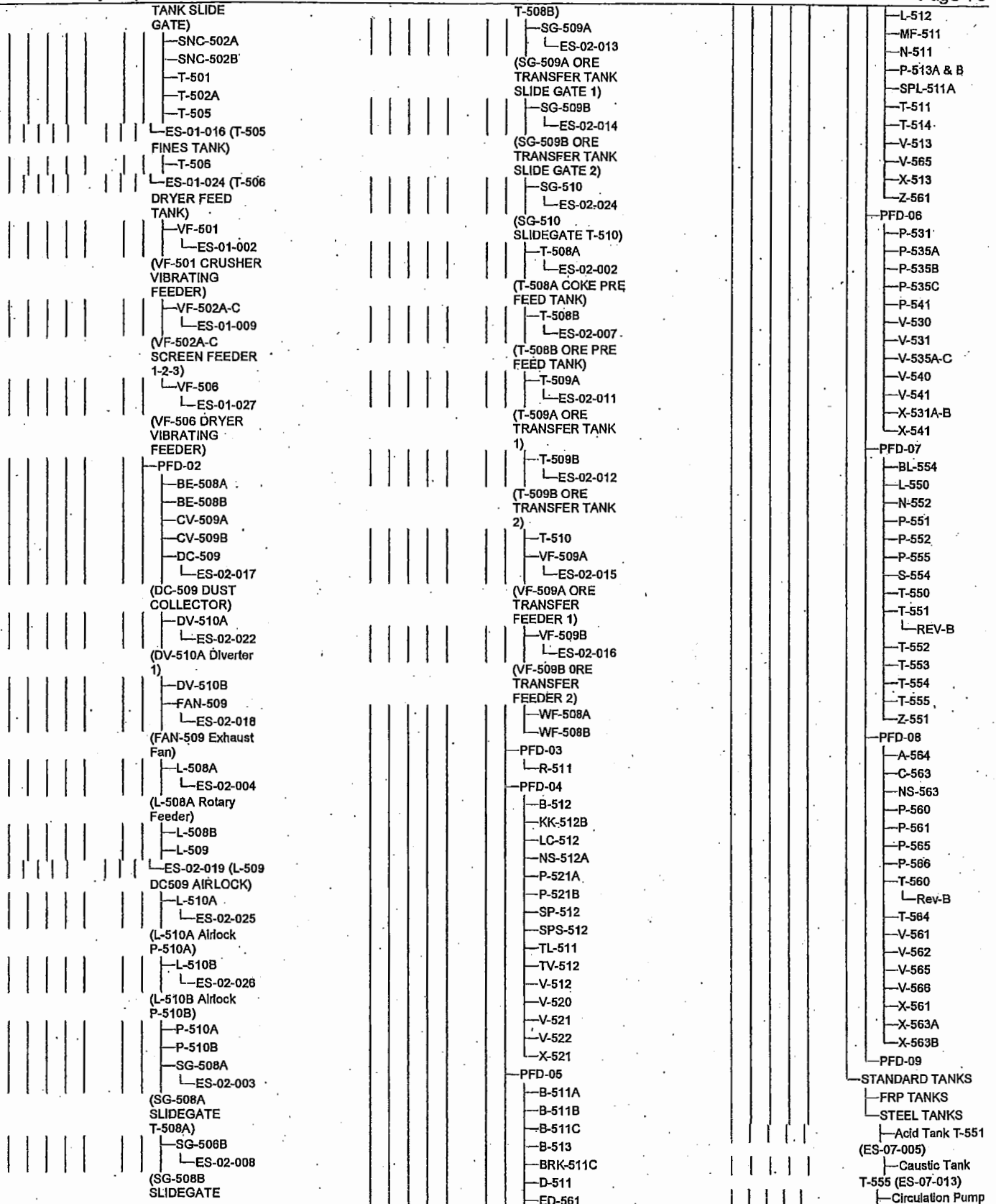
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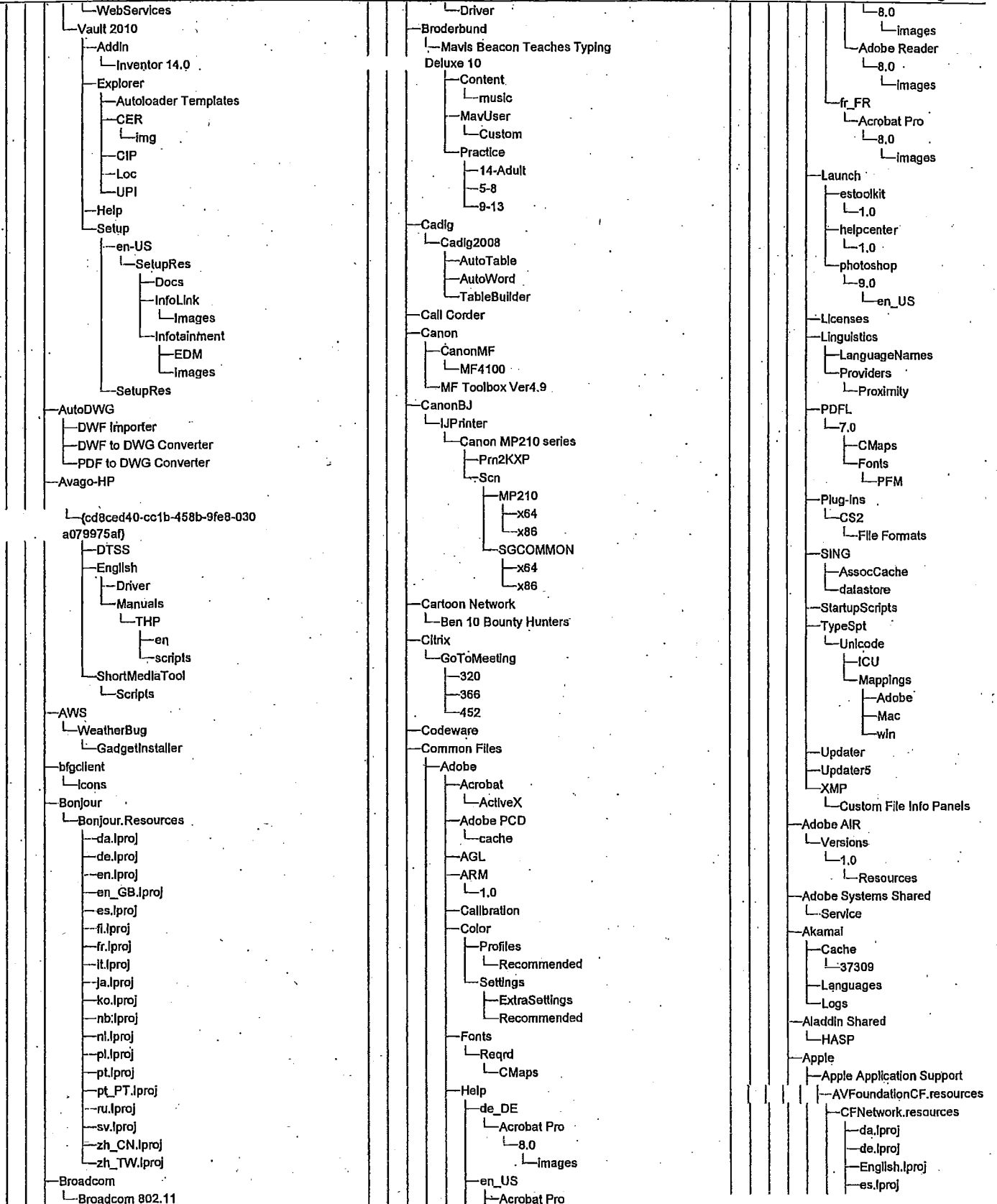
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 - plotters
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