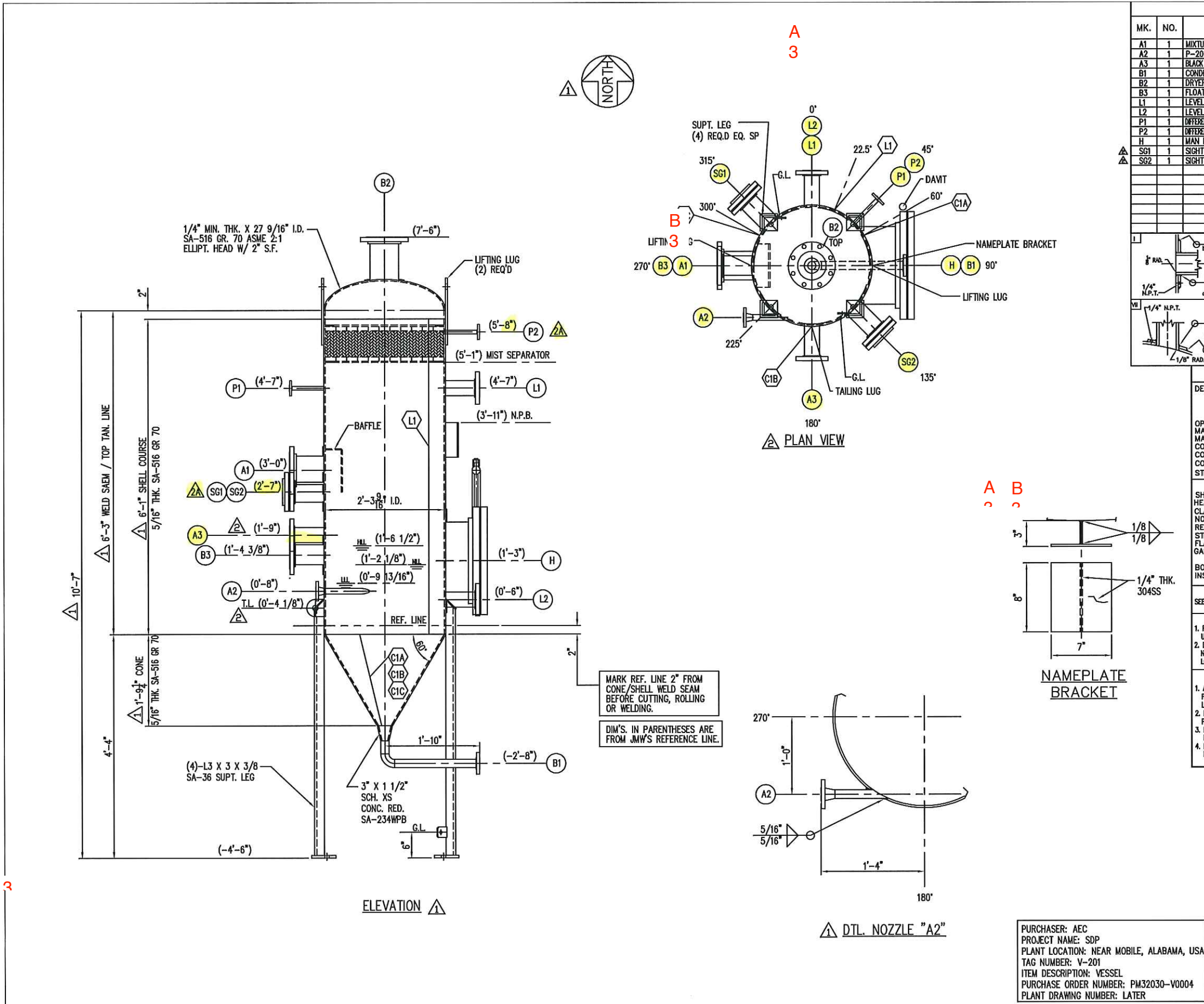
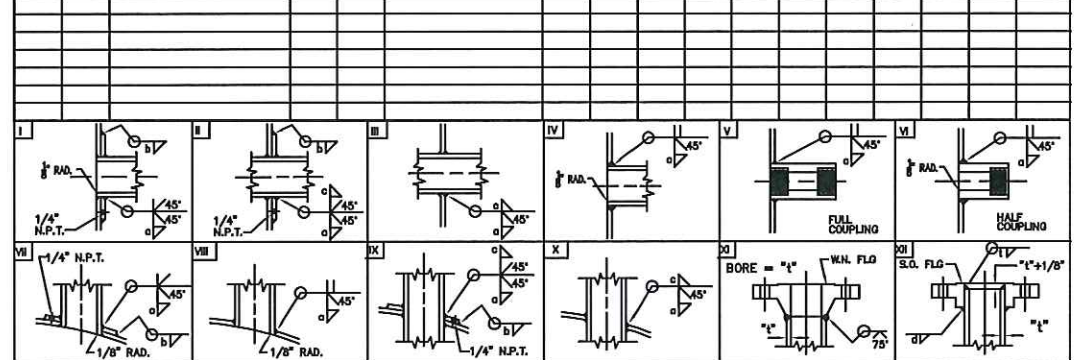
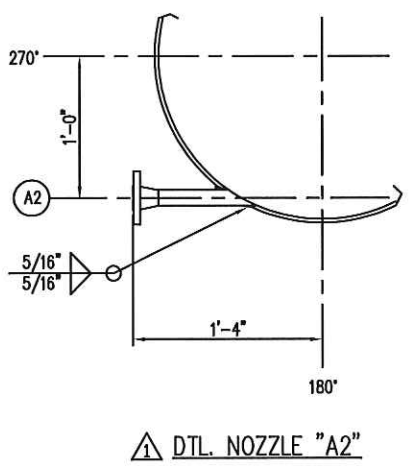
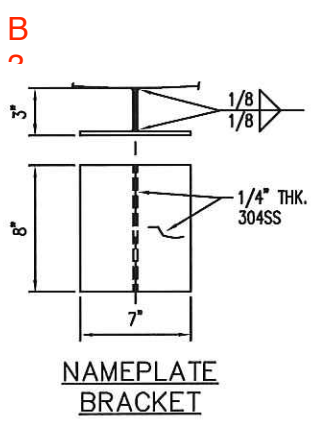




NOZZLE SCHEDULE																
MK.	NO.	SERVICE	SIZE	FLANGE		PIPE	REPAD		PROJ.		WELD DTL.		WELD SIZE			
				RATE	TYPE	SCH.	THK.	O.D.	O.S.	I.S.	DRAWING	a	b	c	d	
A1	1	MIXTURE INLET FROM E-201	6"	150#	RF SO	80	1/4"	11"	8"	-	I XII	1/4"	1/4"	-	0.42"	
A2	1	P-201 MINI FLOW INLET	1"	150#	RF WN	XXH	-	-	DTL	-	IV XI	5/16"	-	-	-	
A3	1	BLACK WATER INLET FROM V-202	3"	150#	RF SO	80	-	-	8"	-	IV XII	5/16"	-	-	0.34"	
B1	1	CONDENSATE OUTLET	1 1/2"	150#	RF SO	XXH	-	-	ELEV.	-	IV XII	1/4"	-	-	0.32"	
B2	1	DRYER GAS OUTLET	4"	150#	RF SO	80	1/4"	9"	ELEV.	-	I XII	1/4"	1/4"	-	0.37"	
B3	1	FLOATING SLUDGE OUTLET	4"	150#	RF SO	80	1/4"	9"	8"	-	I XII	1/4"	1/4"	-	0.37"	
L1	1	LEVEL TRANSMITTERS	3"	150#	RF SO	80	-	-	8"	-	IV XII	5/16"	-	-	0.34"	
L2	1	LEVEL TRANSMITTERS	3"	150#	RF SO	80	-	-	8"	-	IV XII	5/16"	-	-	0.34"	
P1	1	DIFFERENTIAL PRESSURE TRANSMITTER	1/2"	150#	RF SO	XXH	-	-	8"	-	IV XII	1/4"	-	-	0.31"	
P2	1	DIFFERENTIAL PRESSURE TRANSMITTER	1/2"	150#	RF SO	XXH	-	-	8"	-	IV XII	1/4"	-	-	0.31"	
H	1	MAN HOLE / DAVIT	18"	150#	RF SO W/BUND	STD.	1/4"	24"	8"	-	I XII	1/4"	1/4"	-	0.53"	
SG1	1	SIGHT GLASS (OPPOSITE)	4"	150#	RF SO W/ MODULE L FLG	80	1/4"	9"	8"	-	I XII	1/4"	1/4"	-	0.37"	
SG2	1	SIGHT GLASS (OPPOSITE)	4"	150#	RF SO W/ MODULE L FLG	80	1/4"	9"	8"	-	I XII	1/4"	1/4"	-	0.37"	



SPECIFICATIONS															
DESIGN CONDITIONS:								SURFACE PREPARATION:							
(INT.) 26 PSIG AT 160 F								THOROUGHLY CLEAN TO REMOVE ALL GRIT, WELD SCALE, WELD SPATTER, RUST & MISC. LOOSE ITEMS.							
(EXT.) 15 PSIG AT 160 F								SSPC-SP10							
MDMT: -10 F AT 181 PSIG								PAINTING:							
OPER. CONDITIONS:								NONE							
MAWP (CORR. COND.)								PRIME WITH CARBOLINE CZ 11 @ 2-3 MILS D.F.T.							
MAP (NEW & COLD)								SHIPPING PREPARATIONS							
CORROSION ALLOWANCE: 1/8"								1. VESSEL SHALL BE DRIED AND THOROUGHLY CLEANED PRIOR TO CLOSING OF NOZZLES.							
CONTENTS, S.G.: 1.0								2. APPLY RUST PREVENTATIVE COATING TO ALL CARBON STEEL MACHINE FINISHED FLANGE SURFACES NOT PROVIDED WITH BLIND FLANGES, AND TO THREADS OF CARBON STEEL STUDS AND NUTS.							
CODE: ASME SECT. VIII DIV. 1 2010 EDITION, 11g								3. FLANGED OPENINGS NOT PROVIDED WITH BLINDS SHALL BE ENCLOSED USING PLASTIC PROTECTIVE COVERS. THREADED OPENINGS SHALL BE PLUGGED WITH PLASTIC OR METALLIC PLUGS.							
STRESS RELIEF: N/A								4. FILL TELL-TALE HOLES WITH GREASE AFTER TESTING IS COMPLETED.							
SHELL: SA-516 GR 70								5. VESSEL IS SUBJECT TO INTERNAL INSPECTION BEFORE SHIPMENT.							
HEADS: SA-516 GR 70								6. ONE (1) SETS OF SPARE GASKETS SHALL BE PROVIDED FOR EACH NOZZLE W/ BLIND. TWO (2) SETS OF SPARE GASKETS AND FOUR (4) STUDS W/ (2) NUTS EA. SHALL BE PROVIDED FOR MANWAY W/ BLIND. SPARE GASKETS ARE TO BE SEPARATELY BOXED, LABELED WITH THE EQUIPMENT TAG NUMBER AND PURCHASE ORDER NUMBER, AND SHIPPED WITH THE EQUIPMENT.							
CLADDING LINING / WEAR PL: N/A								WEIGHTS:							
NOZZLES: SA-106 GR B								SHIPPING WT: 1,535 LBS.							
REIN. PLATE: SA-516 GR 70								TEST WT: 3,485 LBS.							
STRUCTURAL: SA-36								OPER. WT: 2,113 LBS.							
FLANGES: SA-106								GENERAL NOTES:							
GASKETING: NON-ASBESTOS								1. PRESSURE RELIEVING DEVICES SHALL BE FURNISHED AND INSTALLED BY OTHERS.							
BOLTING: SA-193-B7 / SA-194-2H								2. ASME SECTION VIII, PARA. UW-11(g)(5)(b) IS APPLICABLE: YES ☒ NO ☐							
INSULATION: -								3. VESSEL MATERIALS EXEMPT FROM IMPACT TESTING: YES ☒ NO ☐							
WELDING PROCESS:								EXEMPTION IS ALLOWED PER PARA. USC-68							
SEE STANDARD JOINT & WELD MAP DRAWING NO. SHT. 3															
FABRICATION NOTES															
1. FLANGE BOLT HOLES SHALL STRADDLE PRINCIPAL CENTERLINES OF THE VESSEL UNLESS NOTED OTHERWISE.															
2. DRILL & TAP ONE (1) 1/4"-NPT TELL-TALE HOLE IN EACH REINFORCING PAD UNLESS NOTED OTHERWISE. INSTALL REINFORCING PAD WITH THE TELL-TALE HOLE AT THE LOWEST POINT RESPECTIVE TO ITS LOCATION ON THE VESSEL.															
TESTING:															
1. APPLY 15 PSIG AIR PRESSURE THROUGH THE TELL-TALE HOLE OF EACH REINFORCING PAD. APPLY LEAK DETECTION SOLUTION TO ALL ATTACHMENT WELDS & CHECK FOR LEAKS INSIDE & OUTSIDE THE VESSEL AT EACH ATTACHMENT WELD.															
2. FILL THE VESSEL COMPLETELY WITH WATER & VENT ALL ENTRAPPED AIR. APPLY PRESSURE AT THE REQUIRED TEST PRESSURE.															
3. REQUIRED SHOP HYDROSTATIC TEST PRESSURE: 236 PSI															
4. REQUIRED FIELD HYDROSTATIC TEST PRESSURE:															
HOLD TEST PRESSURE FOR ONE (1) HOUR MINIMUM.															



PURCHASER: AEC
PROJECT NAME: SDP
PLANT LOCATION: NEAR MOBILE, ALABAMA, USA
TAG NUMBER: V-201
ITEM DESCRIPTION: VESSEL
PURCHASE ORDER NUMBER: PM32030-V0004
PLANT DRAWING NUMBER: LATER

NATL. BD# **

CERTIFIED BY:
JAMES MACHINE WORKS, INC.

MAWP: 181 PSI AT 160 F

MAEP: 15 PSI AT 160 F

MIN. DESIGN METAL TEMP. -10 F AT 181 PSI

MANUFACTURER'S SERIAL NO. **

YEAR BUILT 2013

PURCHASE ORDER NO. PM32030-V0004

ITEM NO. V-201 EMPTY WT. 1,535 LBS.

JMW
MONROE, LA.

** NAT'L BOARD NUMBER AND MFG. SERIAL NUMBER WILL BE ASSIGNED TO "AS BUILT CERTIFIED DRAWING".

QUALITY CONTROL APPROVED

NAME: _____

DATE: 4-26-13

APPROVED SHOP DRAWING

JAMES MACHINE WORKS, INC.

LATEST REVISION NO. 2A DATE: 4/26/13

BY: _____

CERTIFIED DRAWING

JAMES MACHINE WORKS, INC.

REVISION NO. 2A DATE: 4/26/13

THE FIELD ON THIS DRAWING HAVE BEEN DESIGNED AND CONSTRUCTED ACCORDING TO THE SPECIFIC DATA, PARAMETERS, DESIGN CHARACTERISTICS AND CODES AS SOURCED IN THE REQUEST FOR QUOTATION, DRAWINGS OR DOCUMENTATION FROM THE CUSTOMER WHICH ARE REVIEWED BY JMW, INC. AS "APPROVED FOR CONSTRUCTION". WILL BE THE BASIS FOR FINAL CONSTRUCTION AND THEREFORE ACCEPTABLE BY THE CUSTOMER. ANY CHANGE OF EXPOSURE, SERVICE, AND/OR DESIGN PARAMETER FOR THIS FROM AFTER RECEIPT BY THE CUSTOMER WILL VOID ANY GUARANTEE OR WARRANTY FOR LIABILITY BY JMW, INC.

DWG. NO.	REFERENCES	NO.	REVISIONS	BY	DATE	NO.	REVISIONS	BY	DATE	NO.	REVISIONS	BY	DATE	SCALE: 1"=1'-0"	DATE	JAMES MACHINE WORKS, INC. MONROE — LOUISIANA	
5539-1 (SHT. 2)	MISC. & NOZZLE DETAILS	A	REV. ELEV. OF NOZZ. "A3". LOCATED TAILING LUG IN ELEV. LOCATED NOZZ'S, VERT. SEAMS, LIFTING LUGS & TAILING LUG IN PLAN. ADDED MODEL L FLG. SIGHT GLASS FOR NOZZ. SG1 & SG2.	TROY	4/9/13	A	REV. ELEV. OF NOZZ. SG1, SG2 & P2	TROY	4-26-13	A	REV. SIZE OF NOZZ. B2, P1 & P2. REV. HEIGHT OF SHELL COURSE. SET NOZZ. ELEVATIONS. ADDED PAINT SPECS & GSKT. SPECS. ADDED NORTH ARROW. REV. DTL NOZZLE "A2" ADDED BAFFLE AS NOTED	TROY	1-3-13	DRAWN: W MURPHY CHECKED: DH APP'D: APP'D: JOB NO. 5539-1	9-19-12 10-10-12	AMERICAN ECO COAL MOBILE, AL	
5539-1 (SHT. 3)	STD. JOINT DTL. & WELD MAP		CONDENSATE KNOCKOUT DRUM		REV.		DRAWING NUMBER 5539-1										
			P.O. NO: FM32030-V0004		ITEM NO: V-201		SHEET NUMBER 1										

AMERICAN ECO COAL
MOBILE, AL

CONDENSATE KNOCKOUT DRUM

P.O. NO: PM32030-V0004

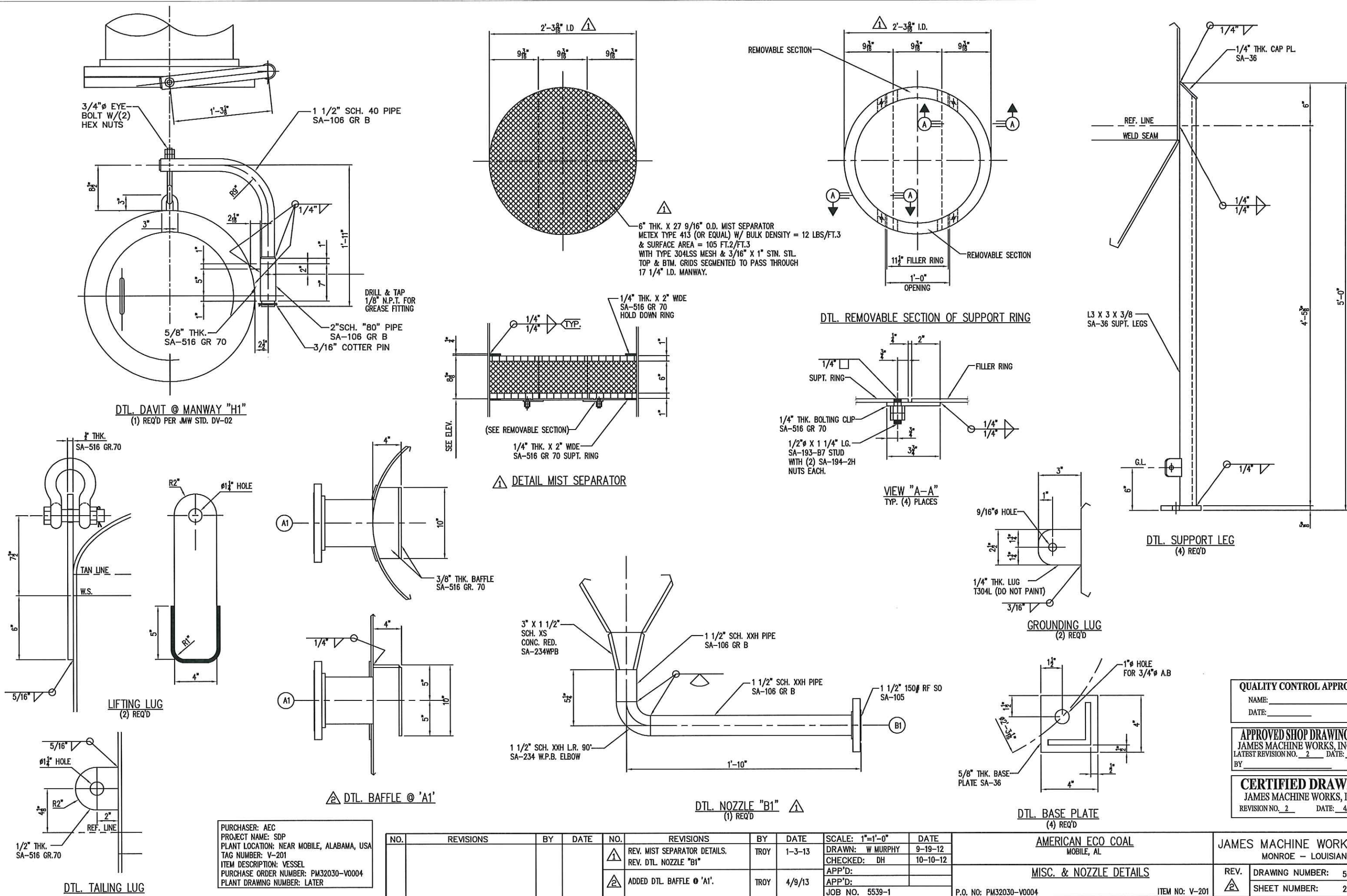
ITEM NO: V-201

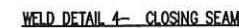
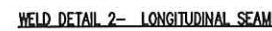
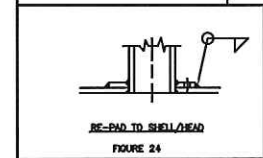
JAMES MACHINE WORKS, INC.
MONROE - LOUISIANA

REV. 2A

DRAWING NUMBER 5539-1

SHEET NUMBER 1





TYPICAL FLANGE WELD

JAMES MACHINE WORKS, INC. MONROE - LOUISIANA	
REV.	DRAWING NUMBER: 5539-1
	SHEET NUMBER: 3