PERMIT ATTACHMENT
APPENDIX VI
PROCESS FLOW DIAGRAMS AND PIPING AND INSTRUMENTATION DIAGRAMS
This document was not altered from the April 2016 Application.
September 2018

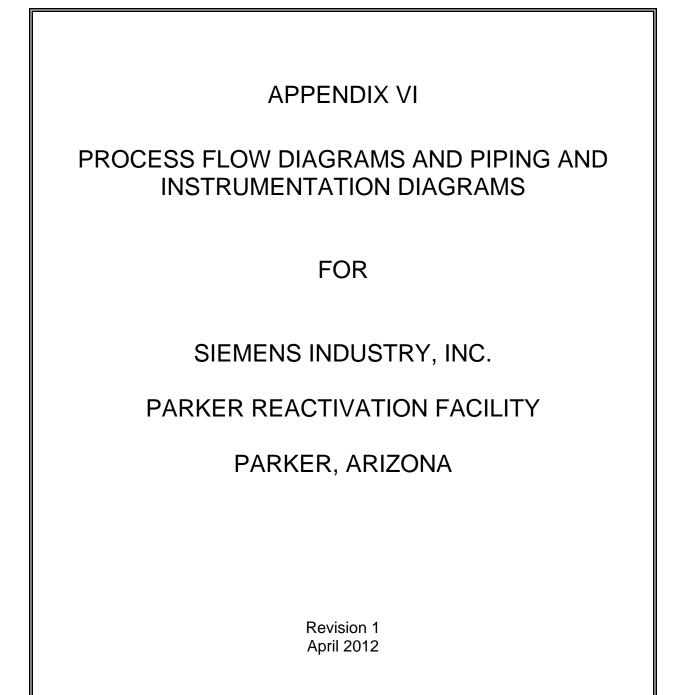
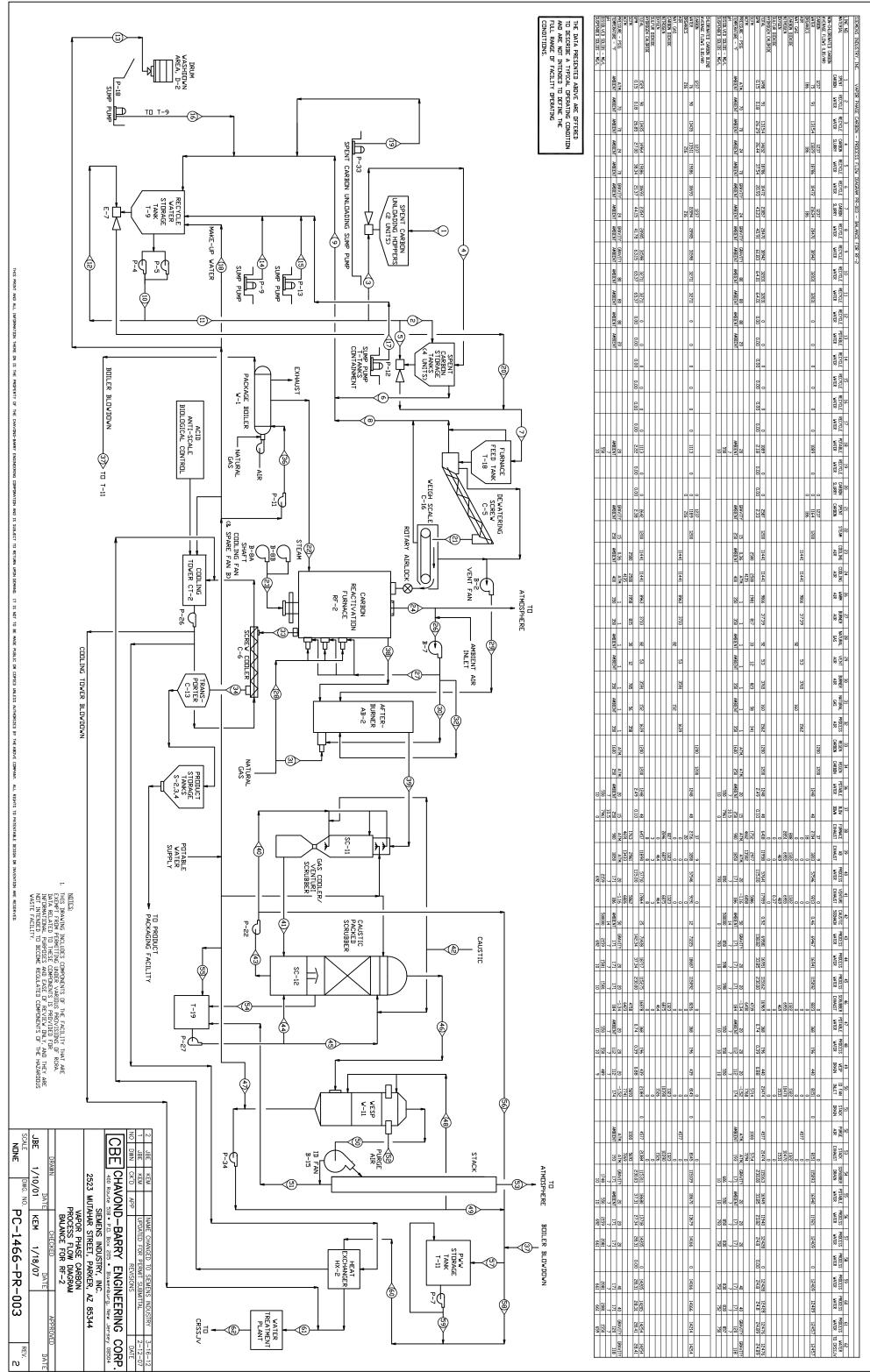


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DRAWING NO. DESCRIPTION

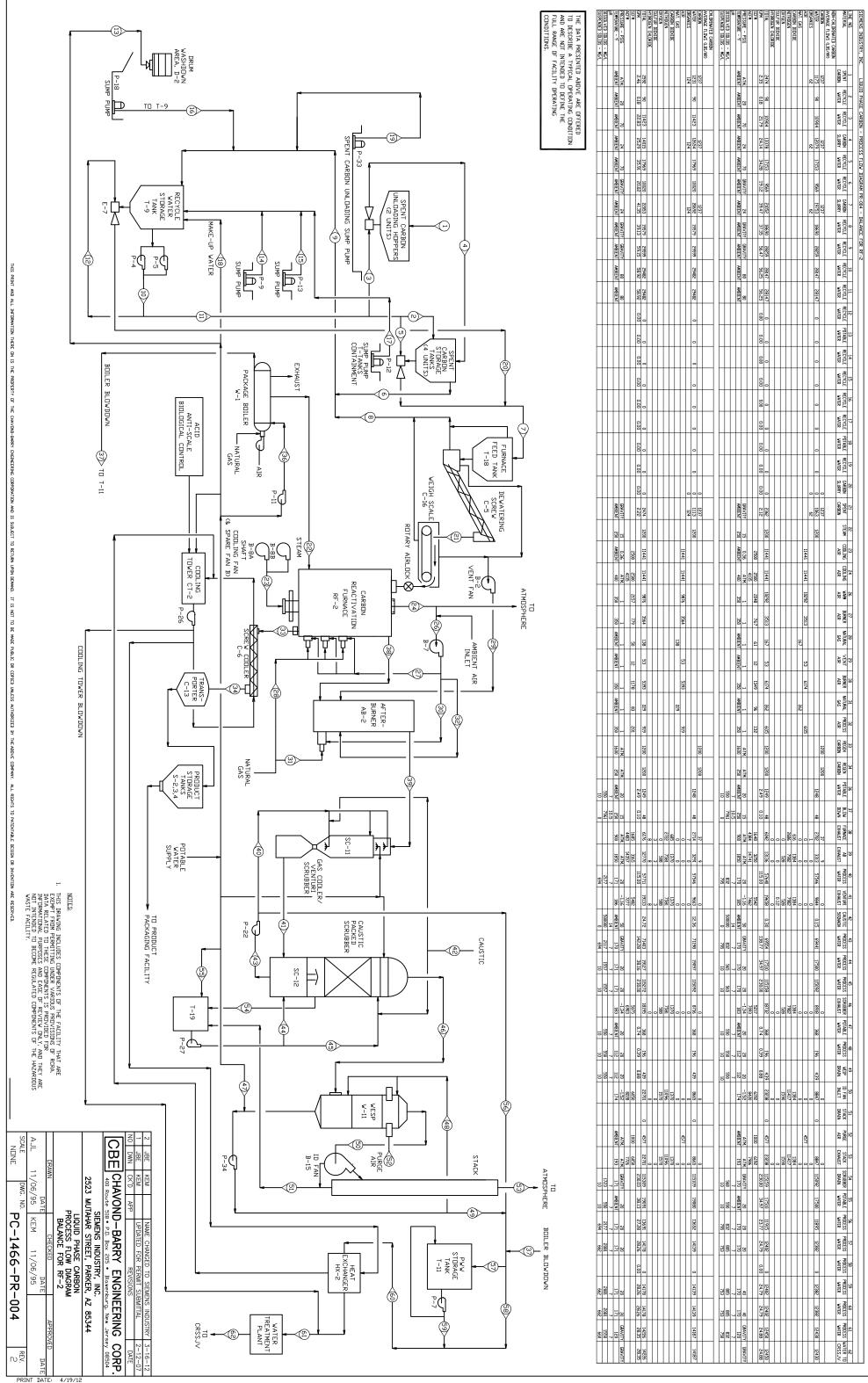
- PC-1466-PR-003 Vapor Phase Carbon Process Flow Diagram Balance for RF-2
- PC-1466-PR-004 Liquid Phase Carbon Process Flow Diagram Balance for RF-2
- D11135-200 Reactivation Facility Legend & Speciality Items Piping & Instrumentation Diagram
- D11135-201 Reactivation Facility Spent Carbon Storage / H-1 Piping & Instrumentation Diagram
- D11135-202 Reactivation Facility Spent Carbon Storage / H-2 Piping & Instrumentation Diagram
- D11135-203 Reactivation Facility Recycle Water Piping & Instrumentation Diagram
- D11135-205 Reactivation Facility Process Water Discharge to POTW Piping & Instrumentation Diagram
- D11135-210 Reactivation Facility Reactivated Carbon Storage Piping & Instrumentation Diagram
- D11135-211 Reactivation Facility Utilities NG PW STM Piping & Instrumentation Diagram
- D11135-212 Reactivation Facility Utilities Compressed Air Piping & Instrumentation Diagram
- D11135-213 Reactivation Facility Furnace #2 Feed System Piping & Instrumentation Diagram
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- D11135-217 Reactivation Facility Furnace #2 Precipitator & Exhaust Piping & Instrumentation Diagram
- D11135-218 Reactivation Facility Product Handling System Piping & Instrumentation Diagram



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PRINT DATE 4/19/12



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T			GRAVITY			28.35	14226									14187							GRAVITY			24.88	12450									12430		CRSSJV	62	



PANEL INSTRUMENT NOT NORMALLY ACCESSIBLE TO OPERATOR = INSTRUMENT PNEUMATIC SIGNAL = Panel instrument Accessible to operator FIELD INSTRUMENT INTERLOCK IDENTIFIER

 \bigcirc n Instrument Hardwired Signal operator interface INSTRUMENT SOFTWARE INTERCONNECT

= PLC 1/0

 \square INSTRUMENT SYMBOLS

D11135-200 D11135-202 D11135-202 D11135-203 D11135-203 D11135-213 D11135-213 D11135-214 D11135-214 D11135-215 D11135-216 D11135-216

LEGEND & SPECIALTY ITEMS
SPENT CARBON STURAGE / H-1
SPENT CARBON STURAGE / H-2
RECYCLE VATER
PRICESS VATER DISCHARGE TO POTV
UTILITIES - PV - NG - STM
FURNACE # 2 PRODUCT HANDLING SYSTEM
FURNACE # 2 DFF GAS SCRUBBER
FURNACE # 2 PROCESS VATER

INSTRUMENT I.D. LETTERS

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Position	EVENT	UNCLASSIFIED	VEIGHT	VIBRATION	MULTIVARIABLE	TEMPERATURE	SPEED/FREQUENCY	RUN	QUANTITY/NUMBER	PRESSURE/VACUUM				LEVEL	TIME	POWER (WATTS)	CURRENT	HAND ACTUATED	GAUGING (DIMENSIONS)	FLOV	VOLTAGE			BURNER FLAME	ANALYSIS	VARIABLE TYPES
DRIVE/ACTUATE	RELAY	SHUTDOWN/INTERLOCK	WELL	VALVE	MALFUNCTION	TRANSMITTER	SAFETY/SWITCH	RECORDER	TOTALIZER		DRIFICE (RESTRICTION)		MIDDLE	LIGHT/LOV	Control Station	MULTIPEINT (SCAN)	INDICATOR	HIGH	GLASS/GAUGE	RATID (FRACTION)	ELEMENT (PRIMARY)	DIFFERENTIAL	CONTROLLER	BYPASS	ALARM	FUNCTION CODES

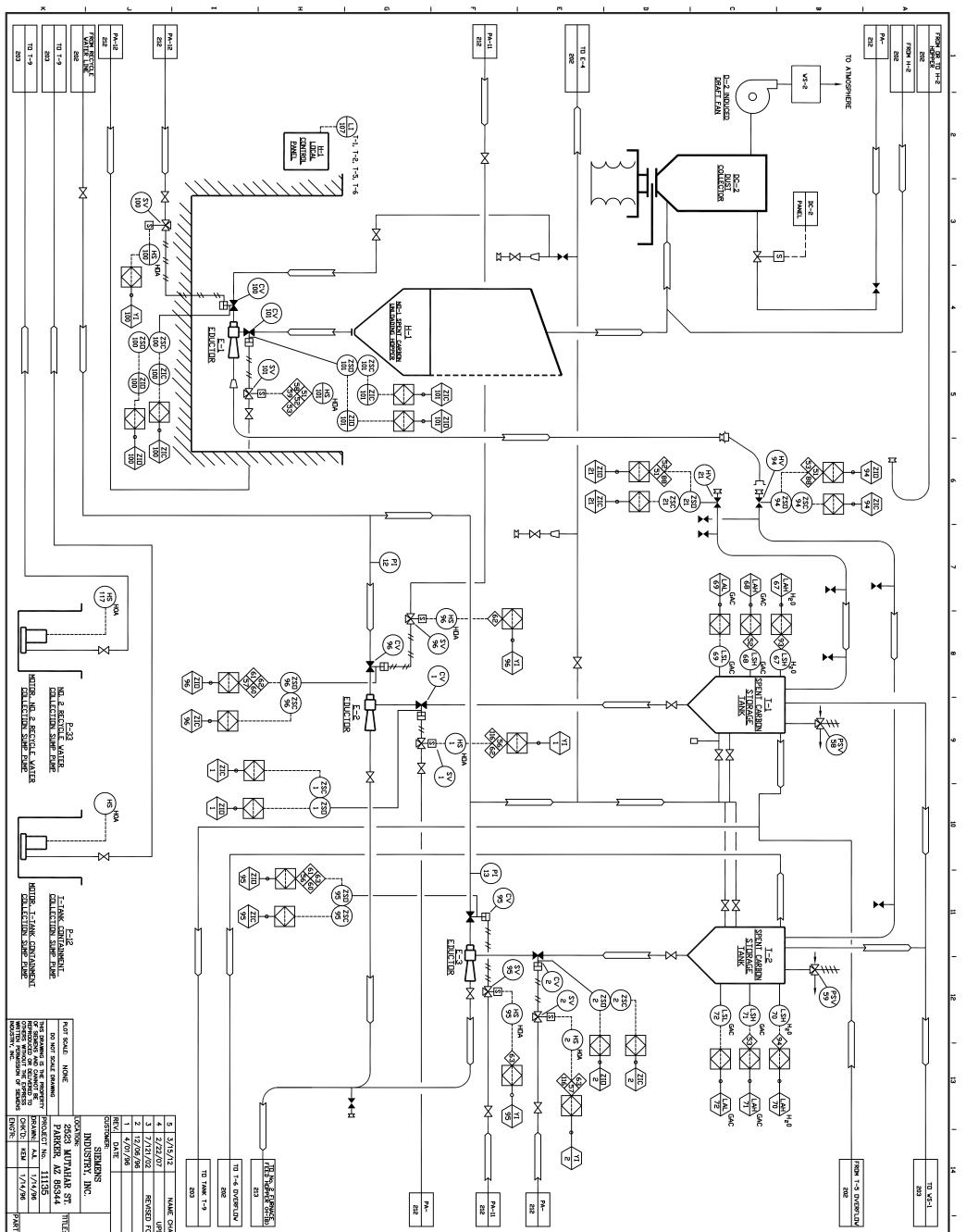
PARKER PERMIT APPLICATION DRAVING INDEX

OF SIEMENS	EXPRESS	VERED TO	PROPERTY	RAWING											
ENG'R:	CHK'D:	DRAWN:	PROJ	PA.	25	LOCATION:			CUSTOMER:	REV.	-	N	ω	4	თ
	KEM	AJL	PROJECT No.	PARKER, AZ 85344	23 MUT/	TION:	INDUSTRY, INC	SIEMENS	OMER:	DATE	3/27/96	7/17/96	7/17/02	2/22/07	3/15/12
	1/02/96	1/02/96	11135	Z 85344	2523 MUTAHAR ST.		Y, INC.	INS					REVISE		NAM
PART NO. DWG NO. D11135-200 REV. 5		PIPING & INSTRUMENTATION DIAGRAM	LEGEND & SPECIALTY ITEMS	REACTIVATION FACILITY	TITLE:	1 01 10 1 10	Darker N7	SIEMENS INDUSTRY. INC.		REVISION DESCRIPTION	GENERAL REVISIONS	AS BUILT	REVISED FOR RCRA PART B PERMIT APPLICATION	UPDATED FOR PERMIT SUBMITTAL	NAME CHANGED TO SIEMENS INDUSTRY, INC.
5-200		N DIA	ITEMS	ΥTL				INC		DRAWN CHK'D	AJL	£	STA	JBE	JBE
) REV.		GRAM	01					•			KEM		KEM	KEM	KEM
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NOTE: THIS DRAWING INCLUDES COMPONENTS OF THE FACILITY THAT ARE EXEMPT FROM PERMITTING UNDER VARIOUS PROVISIONS OF RORA. DATA RELATED TO THESE COMPONENTS IS PROVIDED FOR INFORMATIONAL PURPOSES AND EASE OF REVIEW ONLY, AND THEY ARE NOT INTENDED TO BECOME REGULATED COMPONENTS OF THE HAZARDOUS WASTE FACILITY.

DWG: D11135-200 5

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T SIEMENS	EXPRESS	IOT BE	ROPERTY	VMNG														
ENG'R:	CHK'D:	DRAW	PROJ	PA	25	LOCATION:			CUSTOMER:	REV.		2	ω	4	თ			
~): KEM	DRAWN: AJL	PROJECT No.	RKER, /	23 MUT	ION:	INDUSTRY, INC.	SIEMENS	MER:	DATE	4/01/96	12/06/96	7/121/02	2/22/07	3/15/12	–		
	1/14/96	1/14/96	11135	PARKER, AZ 85344	2523 MUTAHAR ST.		EY, INC.	ENS				0,		-	NAM	203	TO TANK T-9	202
 PART No. D11135-201		PIPING & INSTRUMENTAT	SPENT CARBON STORAGE / H-1	REACTIVATION FA	TITLE:	I ULINCI, AL	Darker A7	SIEMENS INDUSTRY, INC.		REVISION DESCRIPTION	GENERAL REVISIONS	AS BUILT	REVISED FOR RCRA PART B PERMIT APPLICATION	UPDATED FOR PERMIT SUBMITTAL	NAME CHANGED TO SIEMENS INDUSTRY, INC.			
5-201		ION D	GE /	CILITY				INC		DRAWN	AJL	ТGВ	STA	臣	JBE			
REV. 5		IAGRA	H-1							CHK'D	KEM		KEM	KEM	KEM			
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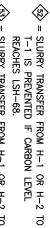


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NOTE:







INTERLOCK NOTES

dwg: D11135-201

R <u>.</u>

(5) = SLURRY TRANSFER FROM H-1 OR H-2 TO T-2 IS PREVENTED IF CARBON LEVEL

PREVENTION OF DOUBLE SLURRY FROM T-1: CV-1 WILL BE HELD SHUT IF CV-95, CV-24, OR CV-97 ARE OPEN.

FEVENTION OF DOUBLE SLURRY FROM T-2: CV-2 WILL BE HELD SHUT IF CV-96, CV-24, OR CV-97 ARE OPEN.

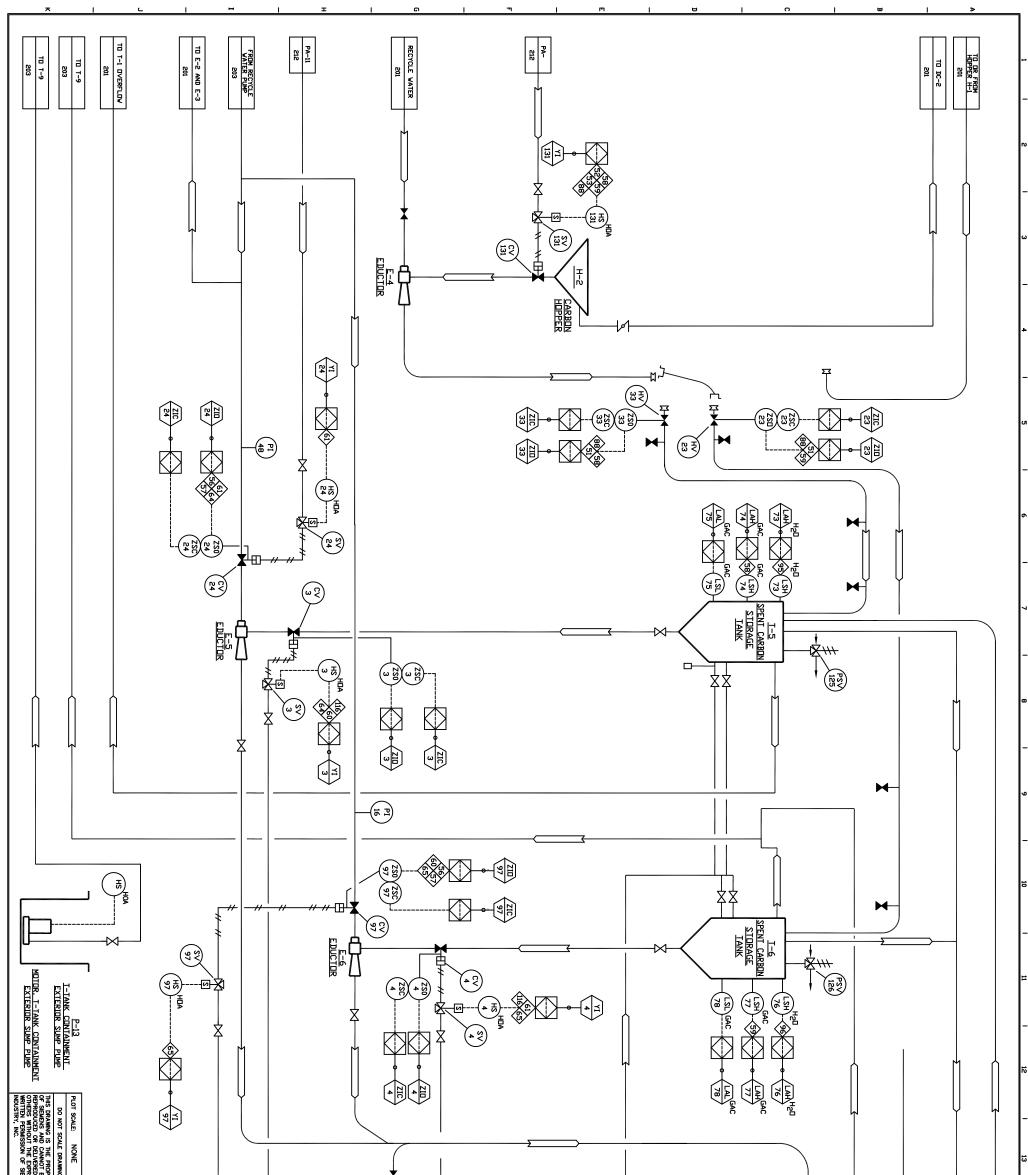
 $\langle 58 \rangle$ = see note on dwg. 202

59 = see note on DWG. 202

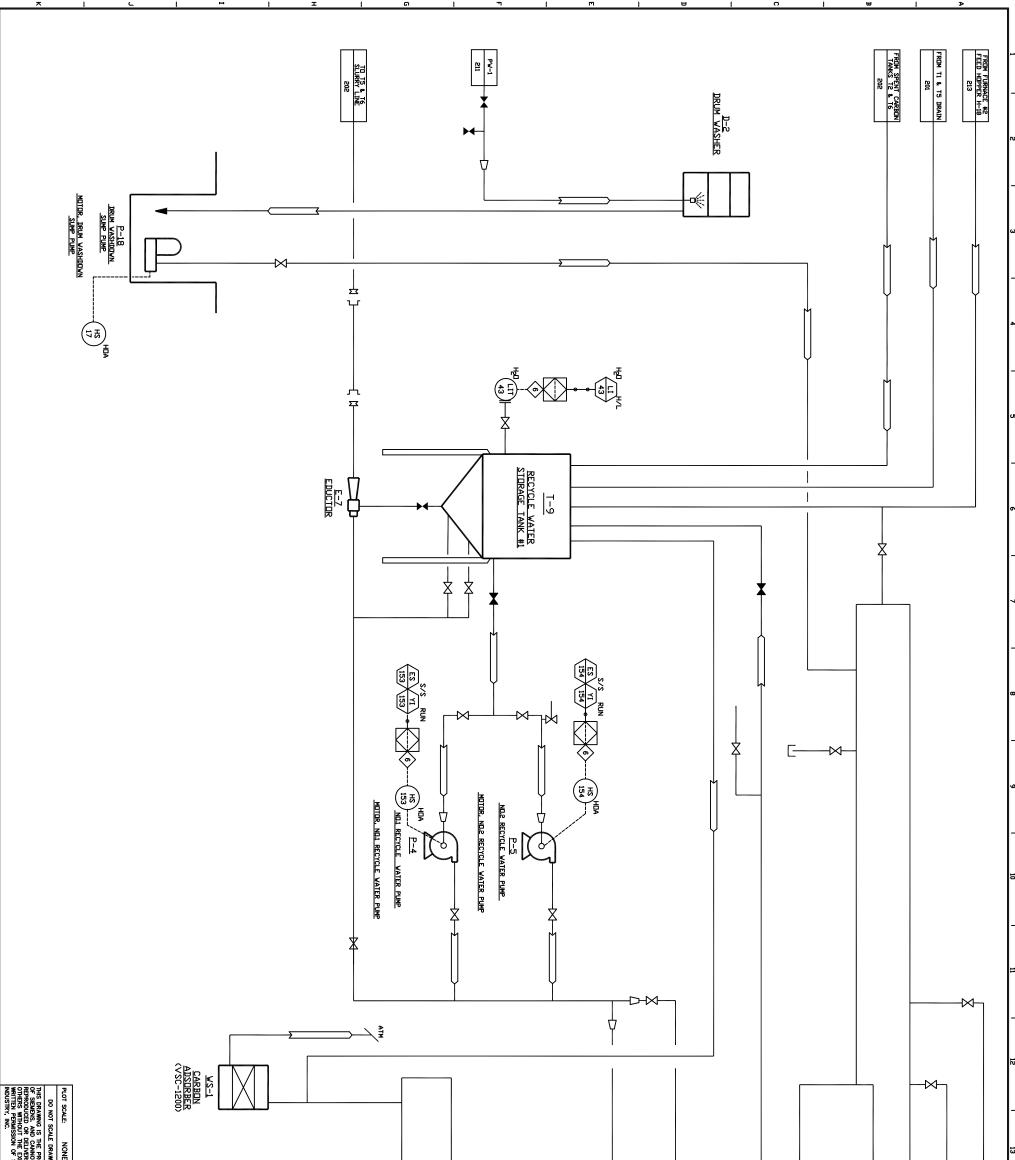
(61) = see note on dwg. 202 60 = see note on dwg. 202

 $\langle 10 \rangle$ = SEE NOTE ON DWG. 213.

 $\langle \mathfrak{s} \mathfrak{s} \rangle$ = see note on dwg. 202.



	E 2523 MUTAHAR ST. TITLE:	FRDM T-9 / E-7 203 PA	FRUM P-4 AND P-5 203	FROM T-2 OVERFLOV 201 FED No. 2 FURMACE FED HOPPER (4-18) 213 213	- 14 FROM IH-18 203 PV-
REACTIVATION FACILITY SPENT CARBON STORAGE / H-2 PIPING & INSTRUMENTATION DIAGRAM No. DWG NO. D11135-202 FEV. 5	NGED TO SIEMENS DATED FOR PERM PAR RCRA PART 18 AS BUILT GENERAL REV REVISION DESCT		 ■ TRANSFER FROM H-2 TO T-1. 2. 5. OR 6: EITHER HV-21, HV-94, HV-33, OR HV-23 MUST BE OPEN FOR CV-131 TO OPEN. ■ SEE NOTE ON DWG. 213. NDTE: THIS DRAWNG INCLUDES COMPONENTS OF THE FACILITY THAT ARE EXCLUDES COMPONENTS OF THE HAZARDOUS AND EASE OF REVIEW ONLY. AND THEY ARE NOT INTENDED TO BECOME REGULATED COMPONENTS OF THE HAZARDOUS WASTE FACILITY. 		INTERLOCK NOTES



FROM T-5 AND T-6 202

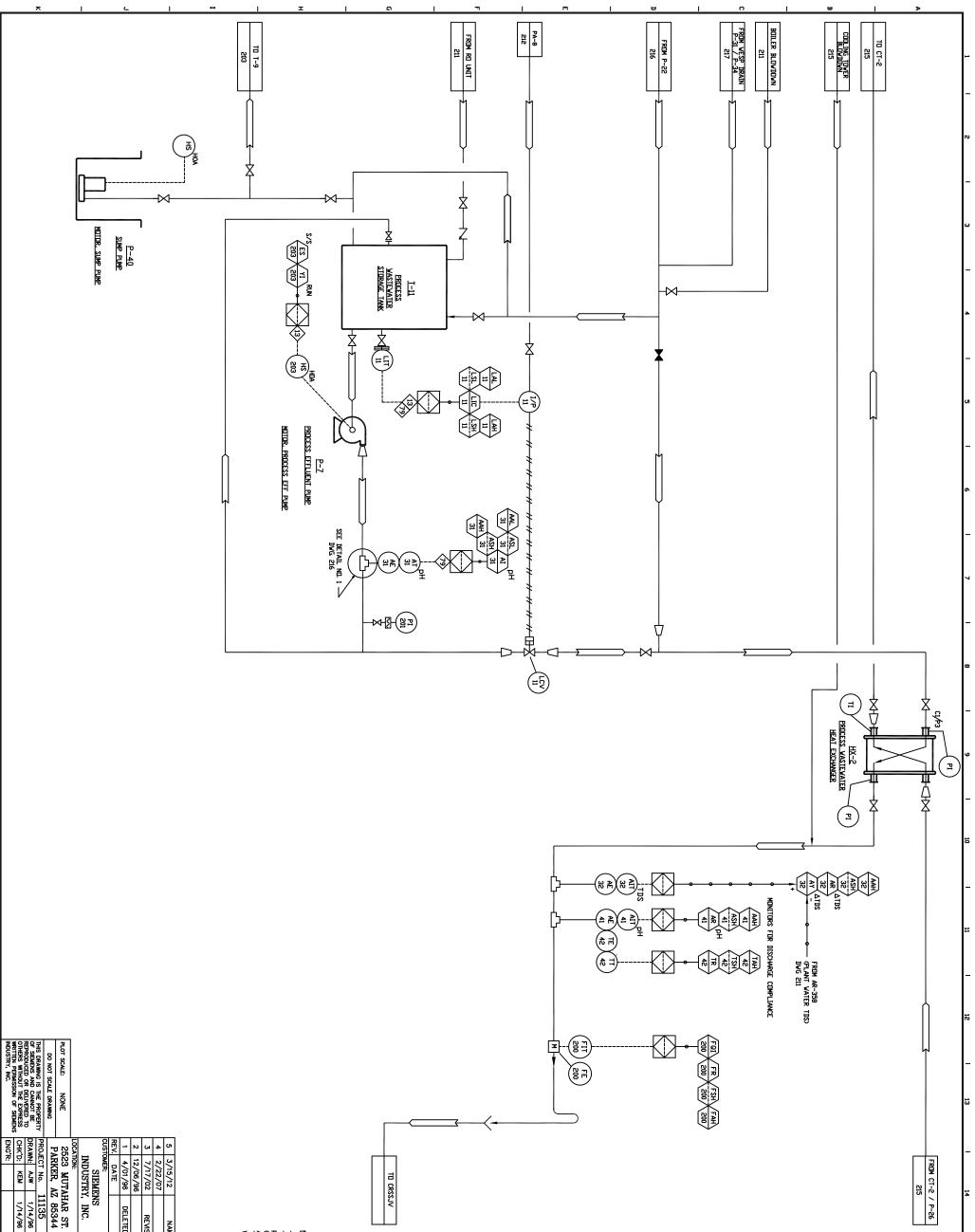
TO T-5 AND T-6 202

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<u>ب</u>	D: KEM	N: AJL	PROJECT No.	RKER, A	23 MUT.	TON:	INDUSTRY, INC.	MER: SIEMENS	DATE	4/02/96	12/06/96	7/16/02	2/22/07	3/15/12		ļ	ĺ
	1/02/96	1/02/96	11135	PARKER, AZ 85344	2523 MUTAHAR ST.		Y, INC.	ENS				REVISE		NAM	NOTE: THIS I THAT PRAT PRAT TO BE TO BE NASTE	201	
PART No. D11135-203		PIPING & INSTRUMENTATION DIAGRAM	RECYCLE WATER	REACTIVATION FACILITY	TITLE:	Fainei, Aú		SIEMENS INDISTRY INC	REVISION DESCRIPTION DRAWN	GENERAL REVISIONS AJL	AS BUILT TGB	REVISED FOR RCRA PART B PERMIT APPLICATION STA	UPDATED FOR PERMIT SUBMITTAL JBE	NAME CHANGED TO SIEMENS INDUSTRY, INC. JBE	NOTE: THIS DRAWING INCLUDES COMPONENTS OF THE FACILITY THAT ARE EXEMPT FROM PERMITTING UNDER VARIOUS PROVISIONS OF RCRA. DATA RELATED TO THESE COMPONENTS IS PROVIDED FOR INFORMATIONAL PURPOSES AND EASE OF REVIEW ONLY, AND THEY ARE NOT INTENDED TO DECOME REGULATED COMPONENTS OF THE HAZARDOUS WASTE FACILITY.		
03 REV. 5		DIAGRA					ç	נ	V CHK'D	KEM		KEM	KEM	KEM			
ப்		Μ			/19				ENG'R								

TO E-5 & E-6 202 FROM P-12 201 FROM P-9 FROM P-40 205 FROM P-13 202 FROM P-33 201 B PV-3 211 FRECYCLE WATER PUMPS P-4 AND P-5 WILL STOP WHEN LEVEL IN T-9 IS LESS THAN 10% (12 INCHES).

DWG: D11135-203

INTERLOCK NOTES



5 3/15/12 NAME CHANGED TO SIEMENS INDUSTRY, INC. JBE KEM 4 2/22/07 UPDATED FOR PERMIT SUBMITIAL JBE KEM 2 12/06/98 REVISED FOR RGRA PART B PERMIT APPLICATION STA KEM 1 4/01/96 DELETED EFFLUENT LIFT STATION, GENERAL REVISIONS AuL KEM REV_DATE ANT DELETED EFFLUENT LIFT STATION, GENERAL REVISIONS AuL KEM REV_DATE SIEMENS INDUSTRY, INC. REVISION DESCRIPTION DRAWN CHK'D ENCOMPRE CUSTONER: SIEMENS NUTAHAR ST. REVISION DESCRIPTION PARTKER, AZ 85344 PROCESS PARTKER, DISCHARGE TO POTW PARKER, A.W 1/14/96 PIPING & INSTRUMENTATION DIAGRAM OHK'D: KEM 1/14/96 OKICD: KEM 1/14/96 PART No. DWG NO. D11135–205 FRV. 5	PROPERTY IOT BE ERED TO EXPRESS F SIEMENS	AWING	fi								
2 NAME CHANGED TO SIEMENS INDUST 07 UPDATED FOR PERMIT SUBMIT 796 REWSED FOR RORA PART B PERMIT / AS BUILT 96 DELETED EFFLUENT LIFT STATION, GENEF 98 DELETED EFFLUENT LIFT STATION, GENEF 99 TITLE: 11135 TITLE: 11135 PROCESS WATE 11135 PIPING & INST 11136 PART No.	DRAW CHK'I	PA	25			CISTO	-	2		4	
ME CHANGED TO SIEMENS INDUST UPDATED FOR PERMIT SUBMIT SED FOR RCRA PART B PERMIT , REVISION DESCRIPTION, GENER REVISION DESCRIPTION REVISION DESCRIPTION PART No.		RKER, A	10N: 23 MUT/	INDUSTR	SIEMI	ž	4/01/96	12/06/96	7/17/02	2/22/07	3/15/12
E CHANGED TO SIEMENS INDUSTRY, INC. UPDATED FOR PERMIT SUBMITTAL D FOR RCRA PART B PERMIT APPLICATION AS BUILT EFFLUENT LIFT STATION, GENERAL REVISIONS REVISION DESCRIPTION REVISION DESCRIPTION SIEMENS INDUSTRY, PART No. PART No. PART NO.	1/14/96 1/14/96 1/14/96	Z 85344	VHAR ST.	Y, INC.	ENS		DELETED		REVISE		NAM
	PIPING & INST	-		Parker A7	SIEMENS INDUSTRY.	REVISION DESCRIPTION	EFFLUENT LIFT STATION, GENERAL REVISIONS	AS BUILT	D FOR RCRA PART B PERMIT APPLICATION	UPDATED FOR PERMIT SUBMITTAL	CHANGED TO SIEMENS INDUSTRY, INC.
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KEM KEM CHK ^{TD} POTW GRAM GRAM			19/12			ENG'R					

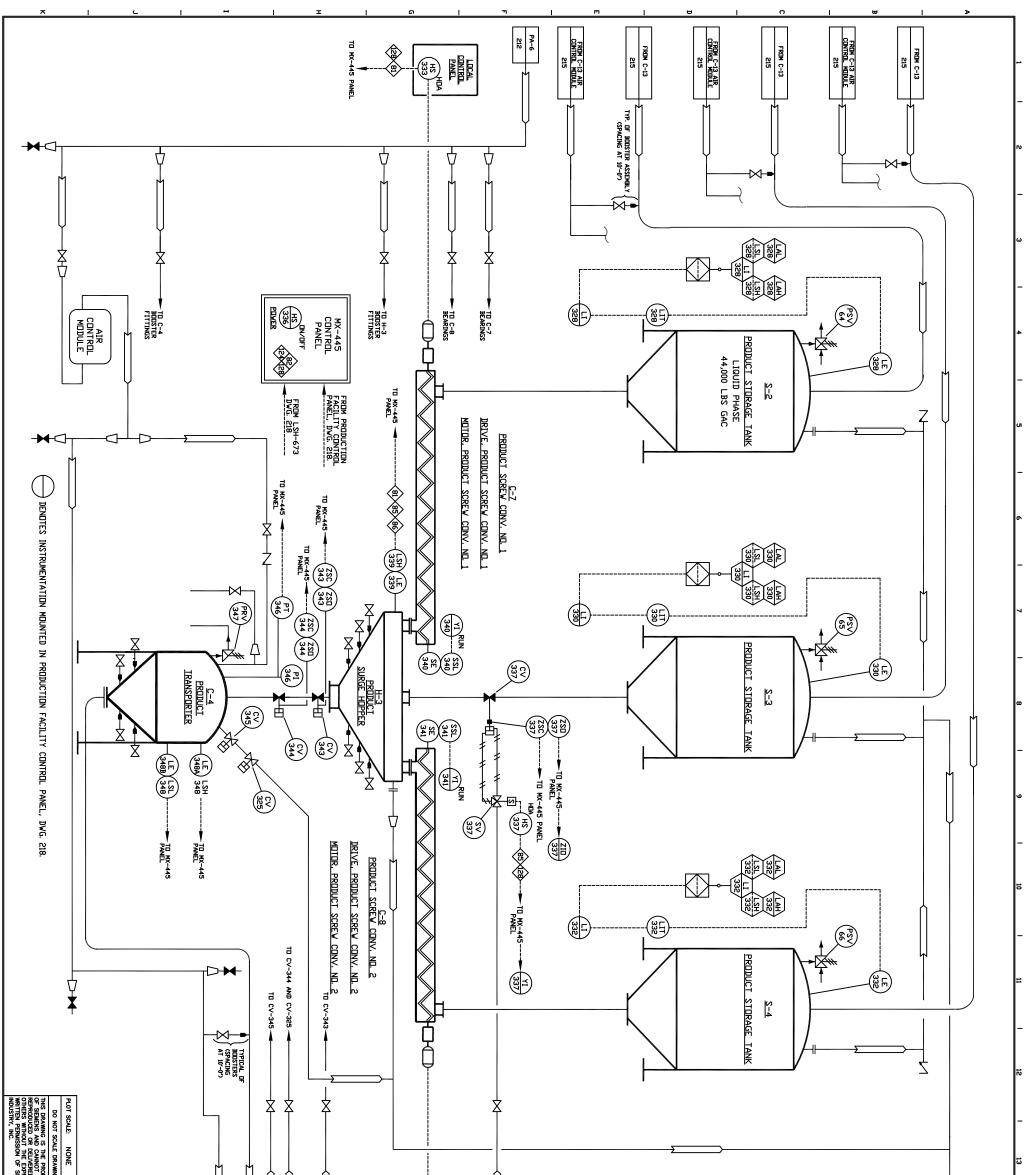
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INTERLOCK NOTES

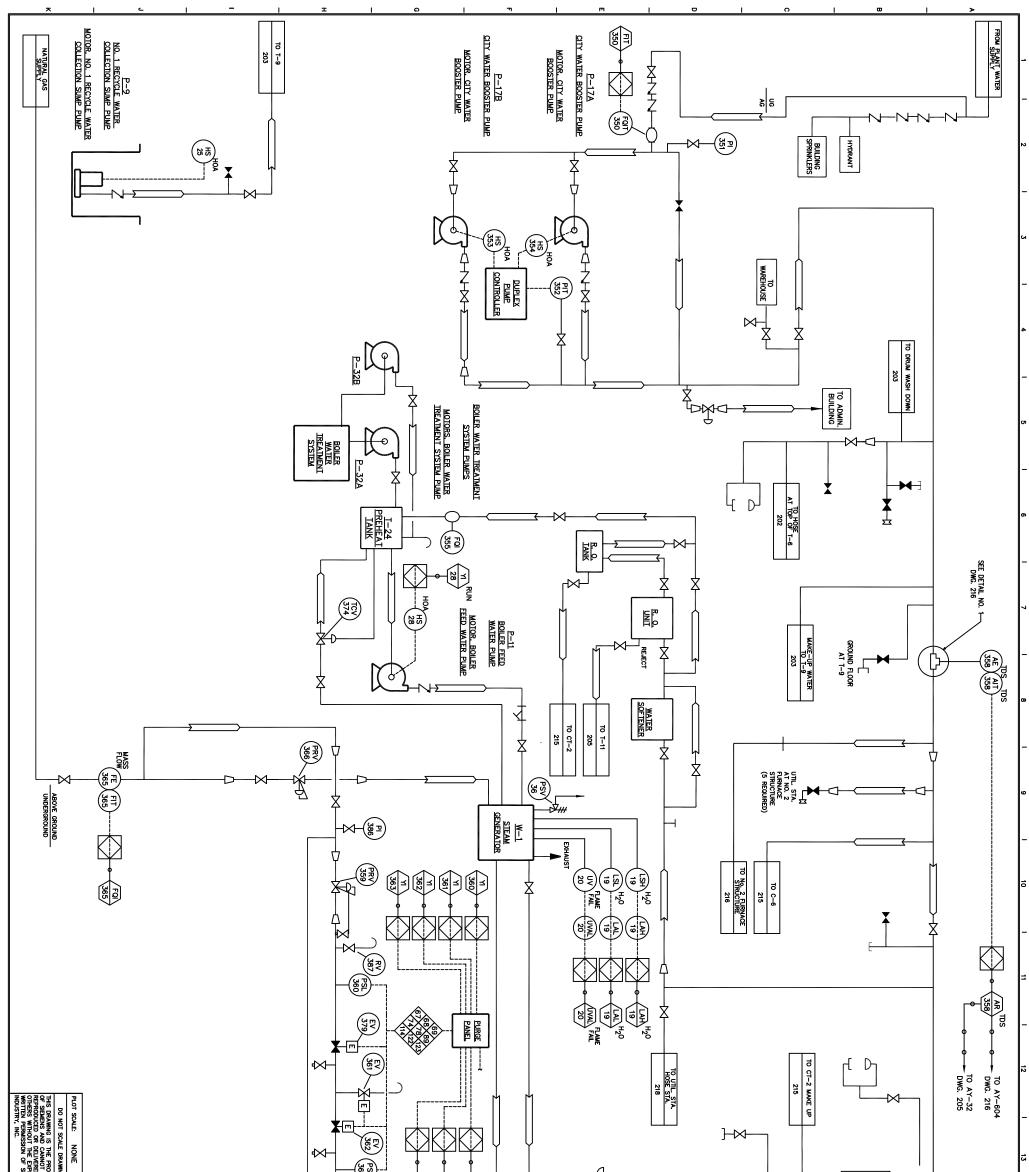
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DWG: D11135-205 17

◆ = WHEN LEVEL IN TANK T-11 REACHES ONE FOOT,
 ◆ PUMP P-7 WILL SHUT-OFF.
 ◆ = pH DUT DF RANGE CLOSES LCV-11, UNLESS LSH-11 IS HIGH.



	ACCC MULATIAN SI. WING PARKER, AZ 85344 PROJECT No. 11135 BRAMN: AJL 1/12/96 SUPPESS CHK'D: KEM 1/12/96 SUPPESS	LOCATION:	1.<	5 3/15/12 4 2/22/07 3 7/15/02 2 19/06/06								Ĭ	-
C 017-C51110	TPART No. Dwg No.	NC. SIEMENS INDUSTRY, INC Parker, AZ	GENERAL REVISIONS	NAME CHANGED TO SIEMENS INDUSTRY, INC. JBE KEM UPDATED FOR PERMIT SUBMITTAL JBE KEM REVISED FOR RCRA PART B PERMIT APPLICATION STA KEM AS BILLT TCB TCB	TD H-4 IN PRODUCT 218 TO H-4 LINE IN PROD PACKAGING BUILDING 218	TI NX-445 PANEL TIJ DYKAMING INCLOUED COMPUNENTS OF THE FACULT THAT ARE EXEMPT FROM FERMITING UNDER VARIOUS PROVISIONS OF REAL DATA RELATED TO THESE COMPONENTS IS PROVIDED FOR INFORMATIONAL PURPOSES AND EASE OF REVIEW ONLY, AND THEY ARE NOT INTENDED TO BECOME REGULATED COMPONENTS OF THE HAZARDOUS WASTE FACILITY.	LUCAL CINITED CINITED HIS BOARD NOTE:	PA-6	 422 = SEE NOTE ON DWG. 218. 428 = SEE NOTE ON DWG. 218. 	 IF S-4 STORAGE TAI CONVEYOR C-8 STAI LEVEL IN H-3 SURG BELOW LSH-339 AN CARBON LEVEL IN H 	(85) = IF S-3 STORAGE TANK IS SELECTED, CV-337 OPENS WHEN CARBON LEVEL IN H-3 SURGE HOPPER FALLS BELOW LSH-339 UNLESS C-4 TRANSPORTER LOADING CYCLE IS IN PROGRESS. CV-337 CLOSES WHEN CARBON LEVEL IN H-3 REACHES LSH-339.	THACKAINE BUILDING 210 BILLING CONVEYOR C-7 STARTS WHEN CARBON LEVEL IN H-3 SURGE HOPPER FALLS BELOW LSH-339 AND C-7 STOPS WHEN CARBON LEVEL IN H-3 REACHES LSH-339.	INTERLOCK NOTES

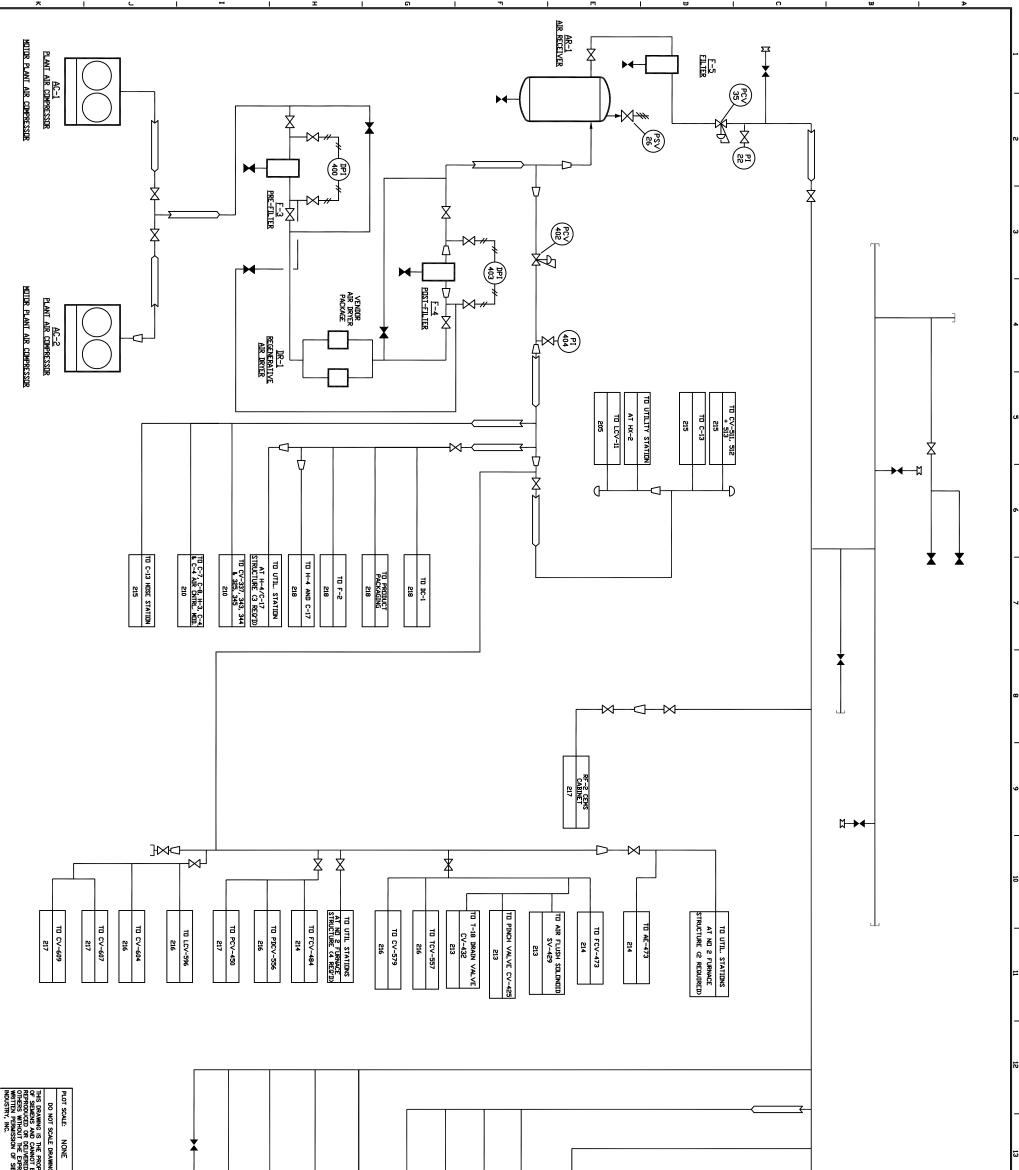


BURNER SYSTEM SHUT-DOWN GAS PRESSURE AT UTILITY OR PSH-363 INITIATES RF-2 CK 121, (SEE NOTE ON DWG. 214). 214. 214. 214. 214. 214. 214. 214. 214

PRINT DATE: 4/19/12

17 DWG: D11135-211

INTERLOCK NOTES

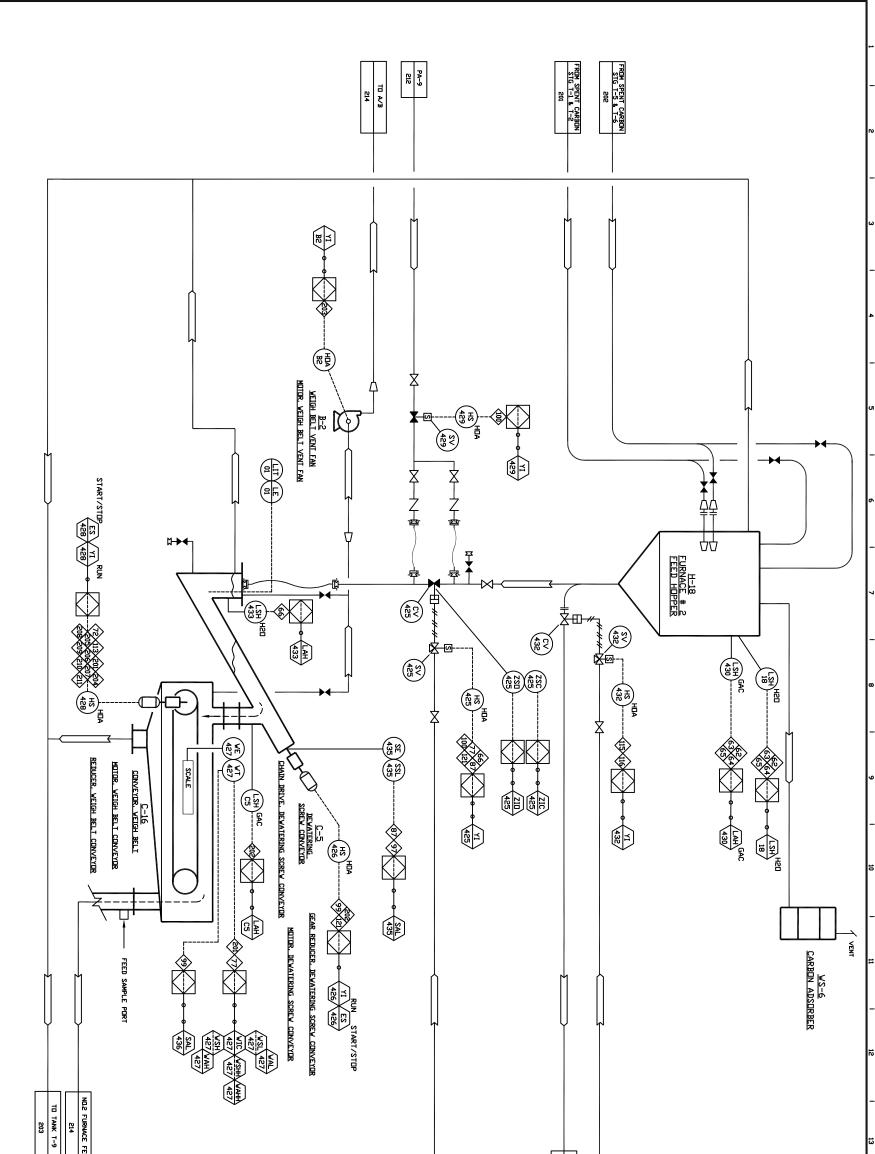


E 2523 MUTA ANNO PARKER, AS PROPERTY PROJECT No. NOT BE DRAINI: AJW EVENESS Gr. SEMENS Gr. SEMENS	SIEMENS INDUSTRY, INC.	1 4/12/96 REV. DATE	3 3/13/12 4 2/22/07 3 7/12/02 2 12/06/96								
PART NO.	INS INC.			70 CV-3	10 CV-2 201	70 CV-1 201	10 CV-97 202 10 CV-95 201	202 201 10 CV-96 201	70 CV-131 201	TID CV-100 201 TID CV-101 201 DC-2 PANEL 201	Ŀ
REAC LITIES & IN	SIEMENS INDUSTRY, Parker, AZ		UPDATED FOR PERMIT SUBMITTAL REVISED FOR RCRA PART B PERMIT APPLICATION AS BILL								
ITY ED AIR N DIAG	INC.	AJL DRAWN									
	•	CHK'D									

INTERLOCK NOTES

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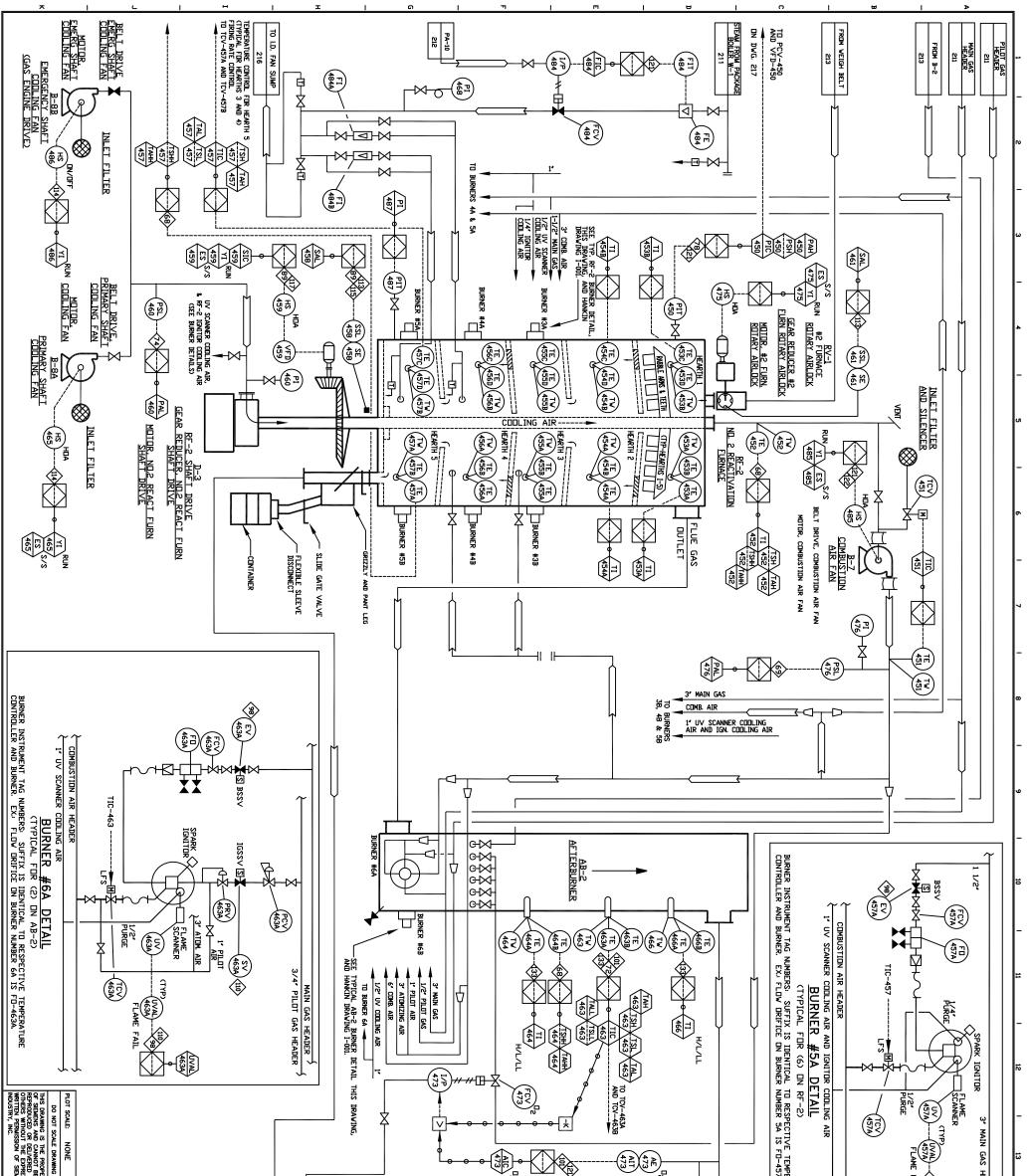
17 DWG: D11135-212



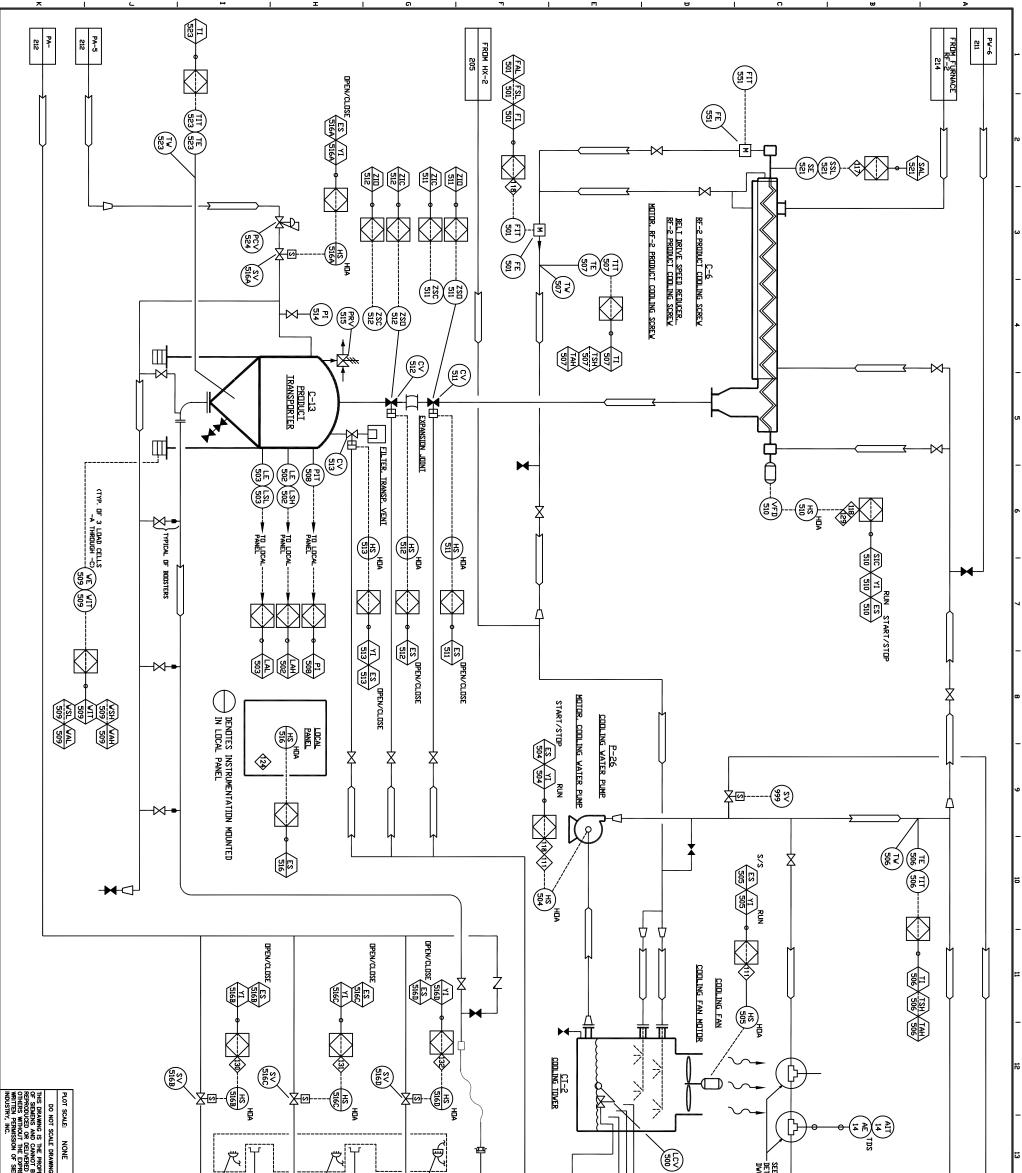
PLOT SCALE: NONE DO NOT SCALE DRAW THIS DRAWNG IS THE PR OF SIELERS AND CANNOR REPROJUCED OR DELVER OTHERS WITHOUT THE EQU WRITTEN FERMISSION OF : INDUSTRY, INC.

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ENG'R:	PROJECT No. DRAWN: AJL CHK'D: KEM	2523 MU PARKER	INDUSTRY, I		4 2/22/0/ 3 7/12/02 2 12/06/96												PA-9 212				T0 T-5	PA-9 212								
	11135 1/14/96	E MUTAHAR ST. KER. AZ 85344	MENS I'RY, INC.	F /96	96 REVISED	12 NAME	NULL: THIS I PROVIS COMPC AND E TO BE TO BE		•	\$	200	٩	٩		\$			<u>م</u>	\$		•	٢		<u>م</u>		♦		\$		1
PART No.	-	TITLE:		GENERAL REVISION I	ED FOR RCRA PA	AE CHANGED TO	E: DRAWING INCLUI T ARE EXEMPT F PONEONS OF RCRA PONEONS IS PRO EASE OF REGULAT BECOME REGULAT TE FACILITY.	11	= HIGH-HIGI DISABLES	= LOW-LOW DISABLES	FSLL-605	N = LOW-LOW ON FSLL- RF-2.	· = Loy		- 	Ш	IS CLEARE	= HIGH-HIGH DISABLES		I	II	° EN S	> = C−5	i i		I	II.		INTERLOCK	t
DV	FURNACE # 2 FEED SYST IPING & INSTRUMENTATION I	DF ACTIVA	SIEMENS I Par		FOR RCRA PART B PERMIT APPLICATION	SIEMENS INDUSTRY	NULE: THIS DRAWNG INCLUDES COMPONENTS OF THE FACILITY THAT ARE EXEMPT FROM PERMITTING UNDER VARIOUS PROVISIONS OF RCRA. DATA RELATED TO THESE COMPONENTS IS PROVIDED FOR INFORMATIONAL PURPOSES COMPONENTS IS PROVIDED FOR INFORMATIONAL PURPOSES TO BECOME REGULATED COMPONENTS OF THE HAZARDOUS WASTE FACILITY.	High-High Stack gas carbon monoxide concentration on ASHH-575 disables o stops feed to RF-2.	∺16	WESP C-16	WET SCRUBBER BLOWDOWN RATE ON DISABLES C-16 AND STOPS FEED TO	-940 BED SCRUBBER LIQUID FLOW 1952 DISABLES C-16 AND STOPS FEED	PACKED BED SCRUBBER C-16 AND STOPS FEED	V-LOW QUENCH/VENTURI TOTAL LIQUID FLOW RATE FSLL-562 DISABLES C-16 AND STOPS FEED TO -2.	LOW-LOW VENTURI SCRUBBER DIFFERENTIAL ON PDLL-556 DISABLES C-16 AND STOPS RF-2.	N B-15 MUST BE STOPS IF B-15	rbon level in C- C5 is stopped. D by operator.	H SPENT CARBON C-16 AND STOPS	CARBON SLURRY TRANSFER TO T-5 AND T-6 IS DISABLED IF SEE NOTE ON DWG. 214.	RF-2 CENTER SHAFT STOPPED ON GREATER THAN 30 MINUTES OPENS DRAIN RF-2 FEED HOPPER H-18.	C-16 IS DISABLED UNLESS RF-2 AND CENTER SHAFT ARE RUNNING.	-429 OPENS FOR 3 SECOND I E PRIOR TO CV-425 OPENING -425 CLOSES.	is disabled unless		-427 OPEN	E CONTROL: FEED RATE V	LOW-LOW AFTERBURNER TEMPERATURE ON SELECTED TSLL-463, 464, OR 466 DISABLES AND STOPS FEED TO RF-2.	HIGH WATER LEVEL IN C-5; WHEN THE WATER LEVEL IN 1 SCREW REACHES LSH-433, C SHUT.	CK NOTES	
DWG No. D1113	2 FEED S UMENTATIO		3 INDUSTRY, Parker, AZ		LICATION	INC.	OF THE FACILITY NDER VARIOUS TO THESE IATIONAL PURPOS ARE NOT INTEN OF THE HAZARDO	Arbon Monoy 1–575 Disabli	PS FEED TO I	SECONDARY VOLTAGE ON ESLL AND STOPS FEED TO RF-2.	R BLOWDOWN 6 AND STOPS	Scrubber Liq C-16 and St	SCRUBBER PH SPS FEED TO	uri total liq C—16 and st	Ibber Differe C—16 and S	MUST BE RUNNING FOR B-2 IF B-15 SHUTS OFF.	C-5 DROP CHUTE). RESTART AFTER IR.	on feed rate on PS feed to RF-2	ER TO H-18 FROM ED IF CV-432 IS OI	ER H-18.	SS RF-2 ROT. RUNNING.	SECOND DURAT	C-16 IS			ARIES OUT OF	TEMPERATURE 4, OR 466 DI -2.	Ϋ́Ξ		ā
D11135-213 REV.	EM DIAGI		INC	AJL KEM DRAWN CHK'D	TGB	++	NS DED S	KIDE ES C-16 AND	FSHH-700 RF-2.	on esll-558 RF-2.		uid flow rate Ops feed to	PH ON ASLL-590 TO RF-2.	uid flow Ra Tops feed to	ential pressure Tops feed to	R B-2 TO RUN	HUTE REACHES AFTER CONDITION	WSHH-	ĔŢ_1,	L-458 FOR /-432 TO	ROTARY AIRLOCK	g and after	RUNNING.				SABLES C-16	-425 IS HELD		DWG: D11135-213
2	5			ENG'R				Ũ		3	RF-2.	Ϋ́	0	Ϋ́Ε	JRE	JN IN		427	T-2,			Ï			,					5-213

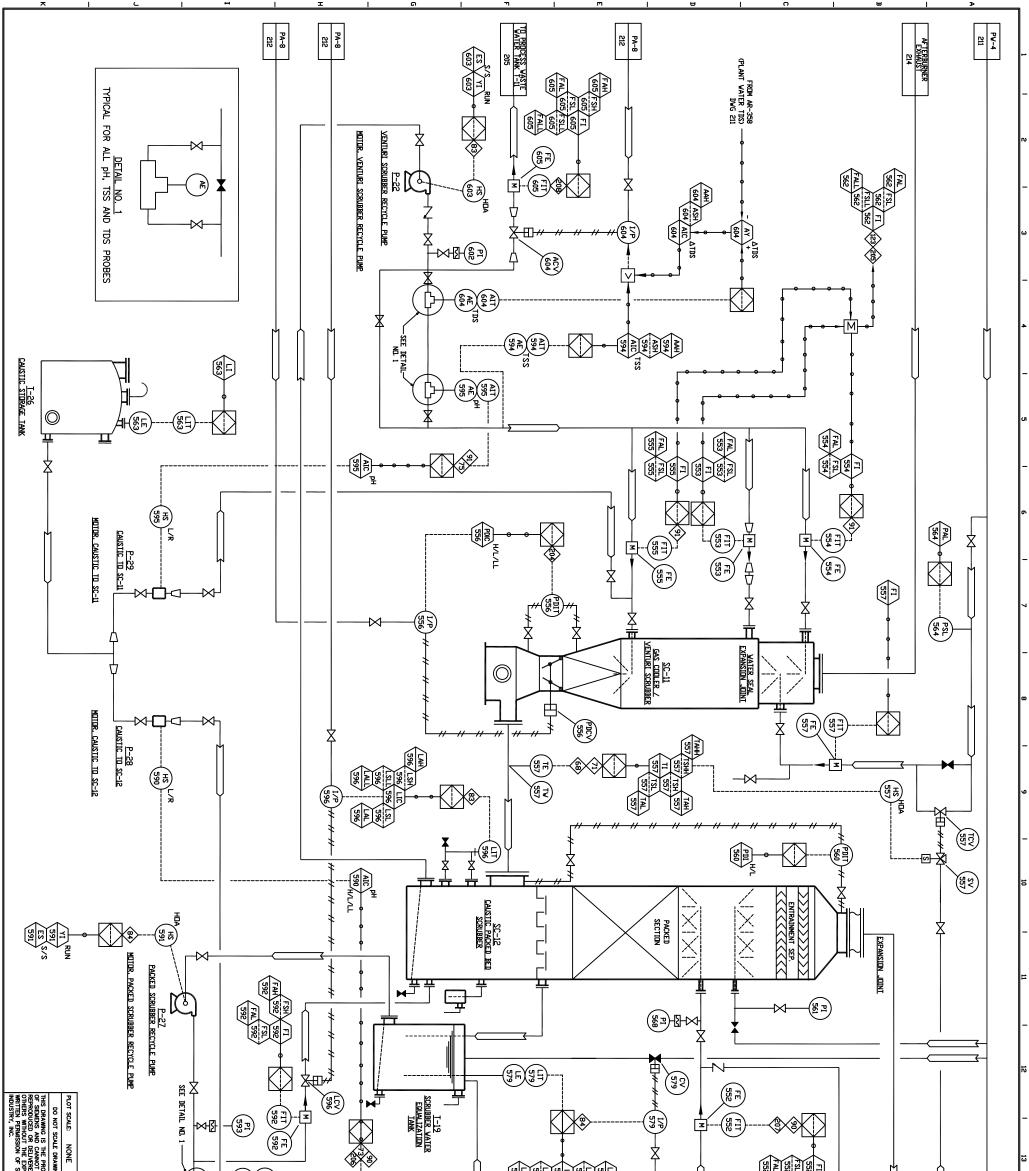
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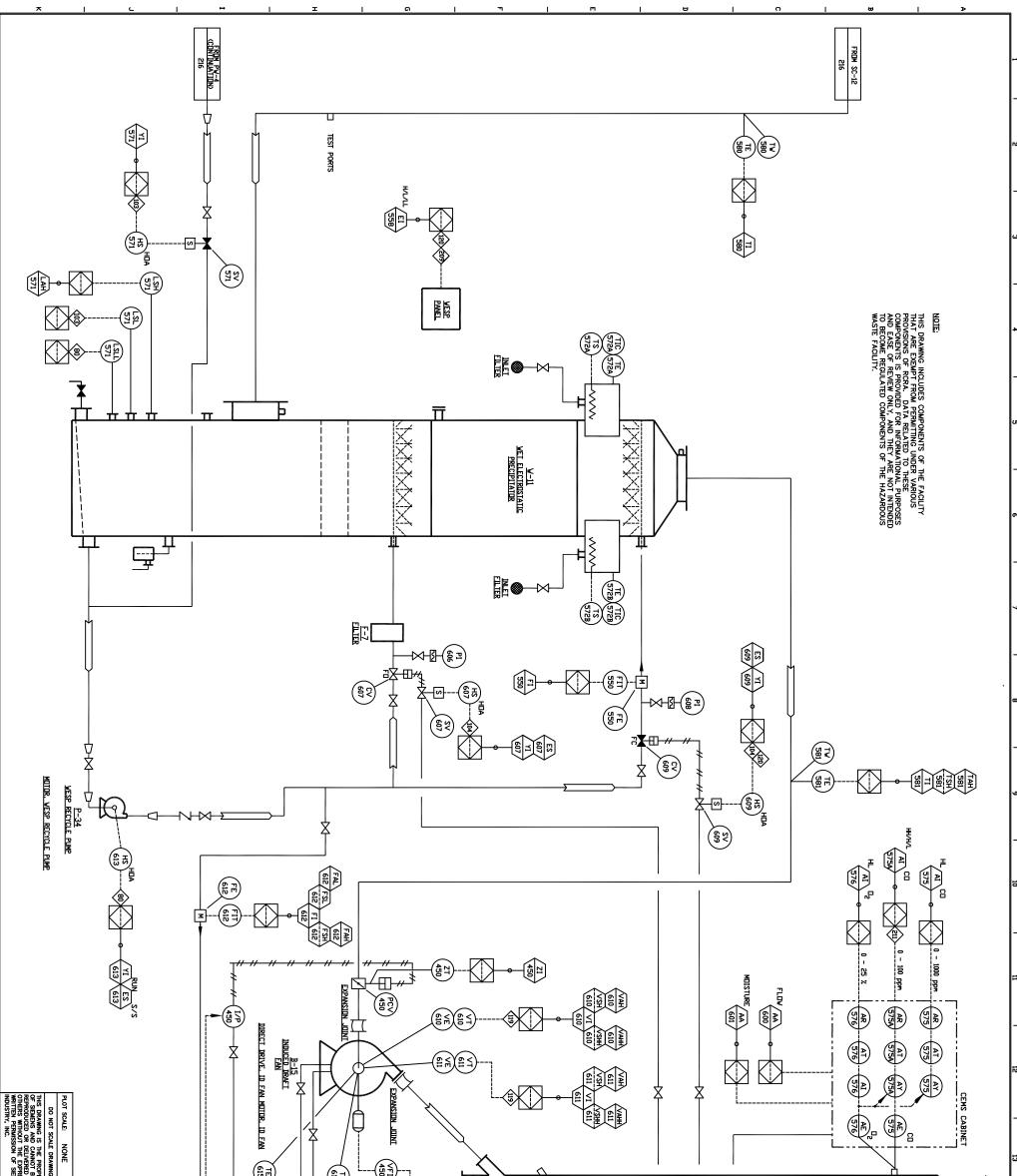
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ER, AZ 85; AJL 1/14 KEN 1/14	5 3/15/12 NAME CHANGED TO SIEMENS INDUSTRY, INC. JBE KEM 4 2/22/07 UPDATED FOR PERMIT SUBMITTAL JBE KEM 3 7/15/02 REVISED FOR RCRA PART B PERMIT SUBMITTAL STA KEM 2 12/06/96 GENERAL REVISIONS ALL KEM ALL KEM 1 1 4/02/96 GENERAL REVISION DESCRIPTION DRAWN CHK'D ENG'R 11 1 1 GENERAL REVISION DESCRIPTION ALL KEM 1 1 1 CENERAL REVISION DESCRIPTION DRAWN CHK'D ENG'R CUSTOMER: SIEMENS REVISION DESCRIPTION DRAWN CHK'D ENG'R UNDUSTRY, INC. INDUSTRY, INC. SIEMENS SIEMENS PAT'Ker, AZ PAT'Ker, AZ	IT PROUCT THE PROLICTY C-6 215 215 215 215 215 215 215 215	PROBE BLOW BACK PA-8 216 PROBE BLOW BACK PA-8 212 PA-8 212	A) CLOSE FCV-484 B) SHUT-DOWN B-7 C) CLOSE FCV-473 C) CLOSE FCV-484 FIGURE SHUT-DOWN UPON LOSS OF BLOWERS B-7 OR B-15 INITIATES RF-2 SHUT-DOWN INTERLOCK 121 C) CLOSE FCV-484 C) CLOSE FCV-484 FIGURE SYSTEM SHUT-DOWN UPON LOSS OF BLOWERS B-7 OR B-15 INITIATES RF-2 SHUT-DOWN INTERLOCK 121 C) CLOSE FCV-473 SHUT-DOWN B-7 C) CLOSE FCV-484 FIGURE SYSTEM SHUT-DOWN UPON LOSS OF BLOWERS B-7 OR B-15 INITIATES RF-2 SHUT-DOWN INTERLOCK 121 C) CLOSE FCV-473 SHUT-DOWN B-7 C) CLOSE FCV-473 C) CLOSE FCV-473 C) CLOSE FCV-473 SHUT-DOWN UPON LOSS OF BLOWERS B-7 OR B-15 INITIATES RF-2 SHUT-DOWN INTERLOCK 121 C) CLOSE FCV-473 SHUT-DOWN INTERLOCK 121 C) CLOSE FCV-473 C) CLOSE FCV-473 SHUT-DOWN INTERLOCK 121 C) CONTROL CONTC	 (i) = PRODUCT COOLING SCREW C-6 MUST BE RUNNING TO ENABLE VFD-459. (2) = RF-2 SHUT-DOWN INTERLOCK: 1) STOP C-5 DEWATERING SCREW. 2) CLOSE CV-425. 3) CLOSE FCV-467. 4) IF RF-2 HIGH PRESSURE ON PSH-450 OR B-15 ID FAN TENDER. 	 (1) = SEE NOTE ON DWG. 213. (i) = BURNER PERMISSIVE. BURNER SYSTEM SHUT-DOWN UPON LOSS OF BLOWER B-BA UNLESS B-8B IS STARTED WITHIN 5 MINUTES INITIATES RF-2 SHUT-DOWN INTERLOCK 121. (1) = SEE NOTE ON DWG. 213. 	 = AFTERBURNER BURNERS 6A 8 PROPORTIONAL PROITOR SAFETY FLAME FAILURE AND AFTER AB 	 ⟨89⟩ = BURNER PERMISSIVE. BURNER SYSTEM SHUT-DOWN UPON CENTER SHAFT STOPPED ON SSL-458 OR LOSS OF VFD-459 FOR 15 MINUTES INITIATES RF-2 SHUT-DOWN INTERLOCK 121. ⟨98⟩ = BURNER SAFETY SHUT-OFF VALVES CLOSE ON BURNER STOP, FLAME FAILURE, LOSS OF BURNER PERMISSIVES OR POWER OUTAGE. 	 PRF-2 SHUT-DOWN INTERLOCK 121. PBURNER PERMISSIVE. BURNER SYSTEM SHUT-DOW LOW COMBUSTION AIR PRESSURE ON PSL-476, IN SHUT-DOWN INTERLOCK 121. PSEE NOTE ON DWG. 213. 	INTERLOCK NOTES DWG: DI1135-214 INTERLOCK NOTES BURNER INTERLOCK NOTES BURNER SYSTEM SHUT-DOWN UPON INTERLOCK NOTES BURNER PERMISSIVE. HIGH-HIGH TEMPERATURE ON TSHH-452, TSHH-455, TSHH-455, TSHH-456, TSHH-457, TSHH-464 OR TSHH-557, INITATES	15 1 16 1



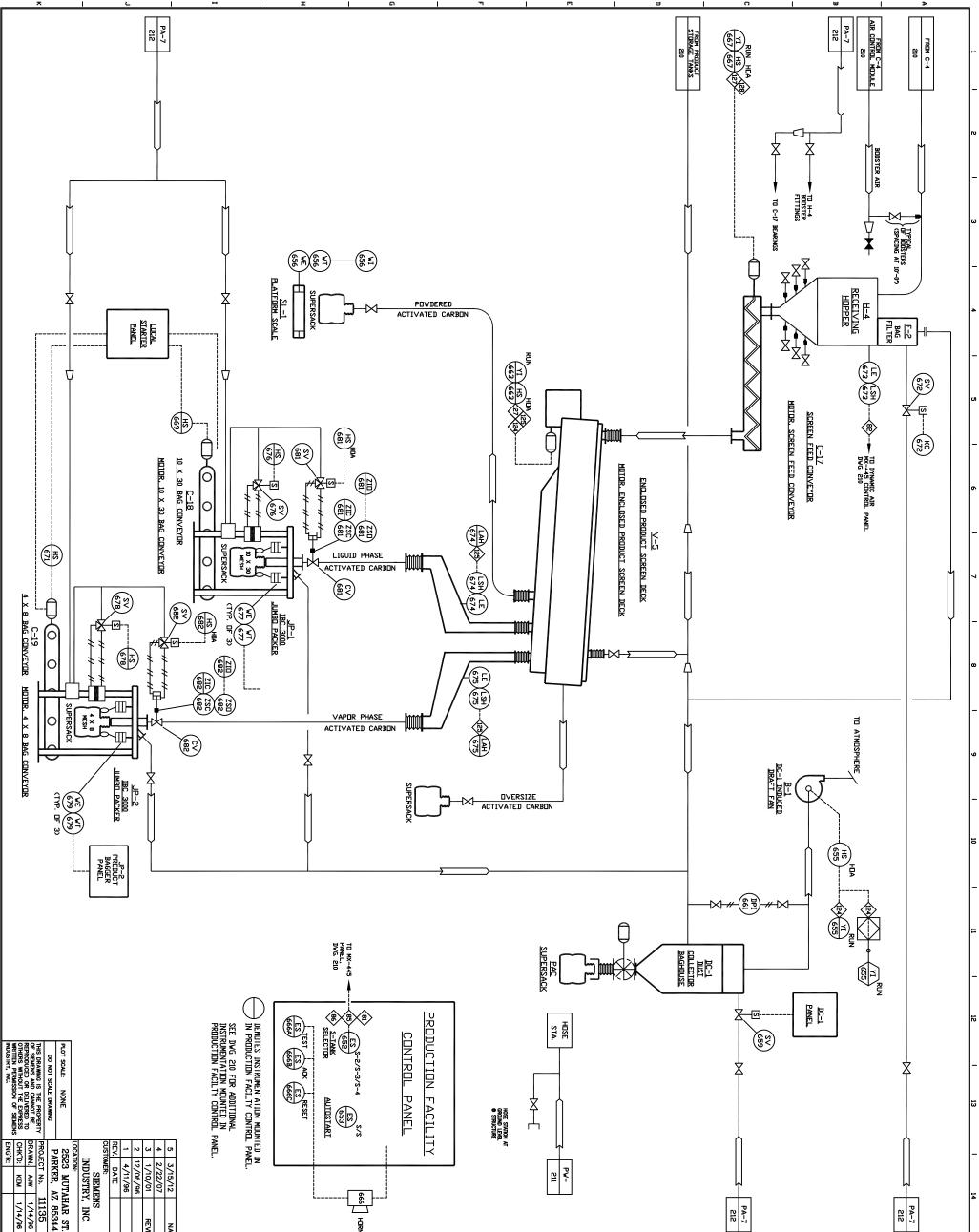
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210 NAME CHANGED TO SIEMENS INDUSTRY, INC: JEE KEM UPDATED FOR PERMIT SUBMITTAL JEE KEM UPDATED FOR PERMIT SUBMITTAL JEE KEM UPDATED FOR PERMIT SUBMITTAL JEE KEM UPDATED FOR RERA PART B PERMIT APPLICATION STA KEM GENERAL REVISION DRAWN ORT NON GENERAL REVISION DESCRIPTION DRAWN CHIC'N SIEMENS INDUSTRY, INC.: PART NO. DEACTIVATION ITTLE: REACTIVATION BART NO. PURNACE # 2 PRODUCT HANDLING PIPING & INSTRUMENTATION DIAGRAM INC: PIPING & INSTRUMENTATION DIAGRAM	$\begin{array}{c} 10 \\ 510 \\ \hline \\ 519 \\ \hline \\ \\ \hline \\ \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	FROM R.D. TANK 211 PV-14 211 PA-8 212 10 S-4 210	TSHH-523 DISABLES C-6. = SV-516B IS DISABLED UNLESS ZS IS MADE. = SV-516C IS DISABLED UNLESS ZS = SV-516D IS DISABLED UNLESS = SV-516D IS DISABLED UNLESS = SV-516D IS DISABLED UNLESS = SV-516D IS DISABLED UNLESS = SV-516D IS DISABLED IS DISABLED IS DISABLED = SV-516D IS DISABLED IS DISABLED IS DISABLED = SV-516D IS DISABLED IS DISABLED IS DISABLED = SV-516D IS DISABLED IS DISABLED = SV-516D IS DISABL	1 15 1 16 $1 17 16 10 16$ $1 17 16 10 17 16 17 16 17 16 17 17$



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dditional JNTED IN Control Panel.	ŗ		COMPONENTS IS PROVIDED FOR INFORMATION. AND EASE OF REVIEW ONLY, AND HEY ARE TO BECOME REGULATED COMPONENTS OF THE WASTE FACILITY.	AL PURP NOT INT HAZAR	ENDED	
υ	3/15/12	NAM	NAME CHANGED TO SIEMENS INDUSTRY, INC.	Ē	KFM	
4	2/22/07		UPDATED FOR PERMIT SUBMITTAL	JBE	KEM	
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cus	CUSTOMER: SIEMENS	INS	STEWENS INDISTRY INC			
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NE LOG	2523 MUTAHAR ST.	HAR ST.	ΠΠΕ:			/19/1
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I OF SIEMENS ENG'R:	S'R: NEM	06/11/1	PART No. DWG NO. D11135-218	<u>N</u>	B REV.	יני

PA-7 212 PA-7 212 CHUTES ON LEVEL IN PRODUCT CHUTES ON LSH-674 OR LSH-675 STOPS V-5. DECK V-5, JP-1, JP-2, AND CARBON TRANSPORT FROM C-4 TO H-4. $\langle \widehat{\mathfrak{g}} \rangle$ = see note on dwg. 210. $\langle \widehat{\mathfrak{g}} \rangle$ = see note on dwg. 210. $\langle z \rangle = v-5$ must be running to enable C-17. (2) = PRODUCTION FACILITY AUTO-START. 30 = see note on dwg. 210. $\langle s \rangle$ = see note on dwg. 210. INTERLOCK NOTES DWG: D11135-218