

DCS IO AND CRITICAL FIELD INSTRUMENT ASSESSMENT STATUS

SN	TAG No.	DESCRIPTION	TYPE	P&ID	STATUS
1	LT1002	T-100 SULFUR STORAGE TANK	LEVEL X-MITTER -RADAR	101_1	Done
2	LSL6055	T-650 CS2 STORAGE TANK PAD WATER LEVEL LO (LEVEL SWITCH)	LEVEL SWITCH - CAPACITANCE	602_1	Done
3	XSV6061	T-650 CS2 STORAGE TANK CS2 INLET	ON-OFF VALVE	602_1	Done
4	PSLL5089	F-500 INSTRUMENT AIR TO PILOT	PRESSURE SWITCH	505_1	Done
5	BE5087	F-500 R.F. PILOT FLAME FAILURE UV SENSOR	FLAME DETECTOR	505_1	Done
6	BE5088	F-500 R.F. MAIN FLAME FAILURE UV SENSOR	FLAME DETECTOR	505_1	Done
7	LSLL1003	T-100 SULFUR STORAGE TANK	LEVEL SWITCH - CAPACITANCE	101_1	Done
8	LSH6052	T-650 CS2 STORAGE STORAGE BASIN SUMP	LEVEL SWITCH - CAPACITANCE	602_1	Done
9	LSH6053	T-650 CS2 STORAGE BASIN SUMP CS2 LEVEL	LEVEL SWITCH - CAPACITANCE	602_1	Done
10	LSHH6056	T-650 CS2 STORAGE TANK CS2 HI.HI OVER FILLING SWITCH	LEVEL SWITCH - CAPACITANCE	602_1	Done
11	LSH6062	T-660 CS2 STORAGE STORAGE BASIN SUMP	LEVEL SWITCH - CAPACITANCE	602_1	Done
12	LSH6063	T-660 CS2 STORAGE BASIN SUMP CS2 LEVEL	LEVEL SWITCH - CAPACITANCE	602_1	Done
13	LT6064	T-660 CS2 STORAGE TANK CS2 WATER INTERFACE	TANK GAUGE	602_1	Done
14	LSL6065	T-660 CS2 STORAGE TANK PAD WATER LEVEL LO (LEVEL SWITCH)	LEVEL SWITCH - CAPACITANCE	602_1	Done
15	LSHH6066	T-660 CS2 STORAGE TANK CS2 HI.HI OVER FILLING SWITCH	LEVEL SWITCH - CAPACITANCE	602_1	Done
16	XSV6071	T-660 CS2 STORAGE TANK CS2 INLET	ON-OFF VALVE	602_1	Done
17	HSV6062	T-660 CS2 STORAGE TANK TANK PIT	ON-OFF VALVE	602_1	Done
18	PT1006	P-108 SULFUR UNLOADING PUMP DISCHARGE	PRESS. TRANSMITTER	101_1	Done
19	TT1009	T-100 SULFUR STORAGE TANK SULFUR TEMP.	TEMP. TRANSMITTER	101_1	Done
20	TT1011	T-100 SULFUR STORAGE TANK VAPOUR TEMP.	TEMP. TRANSMITTER	101_1	Done
21	AT5250A/B	SO2 Analyzer	SO2 Analyzer	510_1	Done
22	FT2001	SULFUR TO H - 214	FLOW X-MITTER	201_1	Done
23	FT2002	METHANE ADDITION RATIO ALARM	FLOW X-MITTER	201_1	Done
24	TE2002	NG to H213	TEMP. SENSOR	201_1	Done
25	FT2004	NATURAL GAS TO H - 215 TO PASS 1	FLOW X-MITTER	201_1	Done
26	TE2004	NATURAL GAS TO H - 215 TO PASS 1	TEMP. SENSOR	201_1	Done
27	TE2005	NATURAL GAS TO H - 215 TO PASS 9	TEMP. SENSOR	201_1	Done
28	FT2006	NATURAL GAS TO H - 215 TO PASS 13	FLOW X-MITTER	201_1	Done
29	FCV2006	NATURAL GAS TO H - 215 TO PASS 13	CONTROL VALVE	201_1	Done
30	TE2006	NATURAL GAS TO H - 215 TO PASS 13	TEMP. SENSOR	201_1	Done
31	FT2007	BOILER FEED WATER TO H - 211	FLOW X-MITTER	201_1	Done

32	GSB2008	PCV-2008 VALVE POSITION	LIMIT SWITCH	201_1	Done
33	PI2009	H-213 NITROGEN (PG)	PRESSURE GAUGE	201_1	Done
34	PT2010	NATURAL GAS TO H - 213 GAS COIL	PRESS. TRANSMITTER	201_1	Done
35	PI2011	H-213 CS2 (PG)	PRESSURE GAUGE	201_1	Done
36	PI2012	A-200 NG (PG)	PRESSURE GAUGE	201_1	Done
37	TT2017	SULFUR EX H - 214 SULFUR COIL	TEMP. TRANSMITTER	201_1	Done
38	TT2018	NATURAL GAS EX H - 213 GAS COIL	TEMP. TRANSMITTER	201_1	Done
39	TT2019	H-216 PASS 24	TEMP. TRANSMITTER	201_1	Done
40	TT2021	INLET R - 202 SECONDARY REACTOR	TEMP. TRANSMITTER	201_1	Done
41	TT2022	OUTLET R - 202 SECONDARY REACTOR	TEMP. TRANSMITTER	201_1	Done
42	LT2114	V-260 FURNACE STEAM DRUM	LEVEL TRANSMITTER	205_1	Done
43	LCV2114	BOILER FEED WATER TO H - 211	CONTROL VALVE	201_1	Done
44	LSHH2135	H-207 SULFUR CONDENSER	LEVEL SWITCH	206_1	Done
45	XSV2140	PRODUCT EX H - 207 SULFUR COND. TO V - 270	ON-OFF VALVE	206_1	Done
46	XSV2141	PRODUCT EX H - 207 SULFUR COND. TO T - 750	ON-OFF VALVE	206_1	Done
47	PDT2194	C-280 CS2 SCRUBBER	PRESSURE TRANSMITTER	208_1	Done
48	FT4001	RAW CS2 TO C - 400 STABILIZER	FLOW X-MITTER	401_1	Done
49	LT8003	T-802 DEMIN WATER TANK	LEVEL TRANSMITTER	801_1	Done
50	LT8016	T-820 DEMIN WATER TANK	LEVEL TRANSMITTER	801_1	Done
51	FT2005	NATURAL GAS TO H - 215 TO PASS 9	FLOW X-MITTER -dP CELL	201_1	Done
52	TT5037	S-509 INLET K.O DRUM OUTLET	TEMP. TRANSMITTER	503_1	Done
53	FY5038	MAIN AIR TO R.F. BURNER	I/P TRANSDUCER	503_1	Done
54	PT5039	MAIN AIR TO R.F. BURNER	PRESSURE TRANSMITTER	503_1	Done
55	TT5040	MAIN AIR TO R.F. BURNER	TEMP. TRANSMITTER	503_1	Done
56	FT5041	F-500 MAIN AIR TO R.F. BURNER	FLOW X-MITTER -dP CELL	503_1	Done
57	FY5041	F-500 MAIN AIR TO R.F. BURNER	I/P TRANSDUCER	503_1	Done
58	FY5050	F-500 FUEL GAS TO R.F. BURNER	I/P TRANSDUCER	504_1	Done
59	XSV5051	F-500 FG TO RF MAIN BURNER	ON-OFF VALVE	504_1	Done
60	XSV5052	CLAUS 2 FIREBOX	ON-OFF VALVE	504_1	Done
61	XSV5055	F-500	ON-OFF VALVE	504_1	Done
62	XSV5056	F-500	ON-OFF VALVE	504_1	Done
63	PSLL5057	F-500 RF BURNER FG SUPPLY	PRESS. SWITCH	504_1	Done
64	PSHH5058	F-500 FUEL GAS TO R.F. MAIN BURNER	PRESS. SWITCH	504_1	Done

65	FT5077	orifice flange corroded	FLOW X-MITTER	505_1	Done
66	FT5078	F-500 STEAM TO R.F. BURNER	FLOW X-MITTER	505_1	Done
67	FY5078	F-500 STEAM TO R.F. BURNER	I/P TRANSDUCER	505_1	Done
68	XV5198	F-500	ON-OFF VALVE	505_1	Done
69	PSLL5199	F-500 INSTR. AIR TO PILOT	PRESS. SWITCH	505_1	Done
70	PSLL5200	F-500 FUEL GAS SUPPLY	PRESS. SWITCH	505_1	Done
71	XV5202	F-500 FG TO MAIN BURNER	ON-OFF VALVE	505_1	Done
72	PSHH5205	F-500 FG TO INCIN. MAIN BURNER	PRESS. SWITCH	505_1	Done
73	XV5207	F-500	ON-OFF VALVE	505_1	Done
74	XV405	Vacum Compressor	ON-OFF Valve	P069-P001	Done
75	PT500	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
76	PIT08	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
77	PIT06	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
78	LS01	Vacum Compressor	Level Switch	P069-P001	Done
79	LS02	Vacum Compressor	Level Switch	P069-P001	Done
80	LS03	Vacum Compressor	Level Switch	P069-P001	Done
81	LS04	Vacum Compressor	Level Switch	P069-P001	Done
82	PIT01	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
83	PIT04	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
84	PDT02	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
85	LIT01	Vacum Compressor	LEVEL TRANSMITTER	P069-P001	Done
86	PIT05	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
87	PIT03	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
88	TT06	Vacum Compressor	TEMP. TRANSMITTER	P069-P001	Done
89	QT10008	gas purification unit	analyzer de point	203_1	Done
90	PT7020	P-768 COLLECTION TANK PUMP DISCHARGE	PRESSURE TRANSMITTER	704_1	Done
91	FT2161	RECYCLE SULFUR TO A - 200	FLOW X-MITTER	207_1	Done
92	FCV2161	RECYCLE SULFUR TO A - 200	CONTROL VALVE	207_1	Done
93	LSHH7018	T-765 COLLECTION TANK	LEVEL SWITCH - TUNING FOR	704_1	Done
94	LSL7005	T-765 COLLECTION TANK	LEVEL SWITCH - TUNING FOR	704_1	Done
95	TT8305	CONTAMINATED CONDENSATE EX. H - 888	TEMP. TRANSMITTER	807_1	Done
96	TCV8305	CONTAMINATED CONDENSATE EX. H - 888	CONTROL VALVE	807_1	Done
97	LCV8302	T-886 CONTAMINATED CONDENSATE TANK	CONTROL VALVE	807_1	Done

98	PT7009	A-770 FLARE STACK BUTANE OR PROPANE	PRESSURE TRANSMITTER	704_1	Done
99	XSV7016	T-765 COLLECTION TANK SLOPS EX.	ON-OFF VALVE	704_1	Done
100	FCV4002	STEAM TO H - 401 STABILIZER REBOILER	CONTROL VALVE	401_1	Done
101	FT4004	CS2 / OIL EX. H - 401 STABILIZER REBOILER	FLOW X-MITTER - VORTEX	401_1	Done
102	TT4012	H-401 TO C-400 TRANSFER LINE	TEMP. TRANSMITTER	401_1	Done
103	FCV7051	PAD WATER TO C790	CONTROL VALVE	705_1	Done
104	LCV7053B	C-780 WASTE WATER STRIPPER	CONTROL VALVE	705_1	Done
105	LCV7053A	C-780 WASTE WATER STRIPPER	CONTROL VALVE	705_1	Done
106	TT3043	RICH OIL EX C - 320 TRAY 17 ABSORBER	TEMP. TRANSMITTER	302_1	Done
107	XSV3108	P353/P354 LEAN OIL TO C - 320 ABSORBER	ON-OFF VALVE	304_1	Done
108	PT3130	DIAPHRAGM Transmitter	PRESSURE TRANSMITTER	305_1	Done
109	PCV3130	PRESSURE TRANSMITTER	CONTROL VALVE	305_1	Done
110	TT3044	DIAPHRAGM	TEMP. TRANSMITTER	301_1	Done
111	LCV6108	FLANGE DIAPHRAGM	CONTROL VALVE	603_1	Done
112	LCV3128	DIAPHRAGM	CONTROL VALVE	305_1	Done
113	LT3101	DP / DIAPHRAGM	LEVEL TRANSMITTER	304_1	Done
114	LSLL3102	PRESSURE TRANSMITTER	LEVEL SWITCH	304_1	Done
115	FT3028	PRESSURE TRANSMITTER	DP CELL / DIAPHRAGM	302_1	Done
116	PT8217	DIAPHRAGM Transmitter	PRESSURE TRANSMITTER	806_1	Done
117	PT3006	DIAPHRAGM	DIAPHRAGM	301_1	Done
118	TT4011	FLANGE DIAPHRAGM	TEMP. TRANSMITTER	401-1	Done
119	LT3002	DIAPHRAGM	LEVEL TRANSMITTER	301_1	Done
120	LCV3002	DP / DIAPHRAGM	CONTROL VALVE	301_1	Done
121	FT4054	PRESSURE TRANSMITTER	DP CELL / DIAPHRAGM	402-1	Done
122	TT4076	H-421 STILL REBOILER	TEMP. TRANSMITTER	402_1	Done
123	PCV4068	H-421 STILL REBOILER STEAM	CONTROL VALVE	402_1	Done
124	LSL4061	C-420 STILL	LEVEL SWITCH	603_1	Done
125	LT4059	C-420 STILL	LEVEL TRANSMITTER	402_1	Done
126	PT7017	recycle sulphur header	FLANGE DIAPHRAGM	704_1	Done
127	XSV3011	PRESSURE TRANSMITTER	ON-OFF VALVE	301_1	Done
128	LSH3014	DIAPHRAGM	LEVEL SWITCH	301_1	Done
129	PSH2172	FLANGE DIAPHRAGM	PRESSURE SWITCH	207_1	Done
130	XSV2170	DIAPHRAGM	ON-OFF VALVE	704_1	Done

131	LSHH7019	DP / DIAPHRAGM	LEVEL SWITCH	704_1	Done
132	LT2163	PRESSURE TRANSMITTER	LEVEL TRANSMITTER	207_1	Done
133	LT7004	PRESSURE TRANSMITTER	LEVEL TRANSMITTER	704_1	Done
134	LT8302	T-886 CONTAMINATED CONDENSATE TANK	LEVEL TRANSMITTER	301_1	Done
135	PT3129	DIAPHRAGM Transmitter	DIAPHRAGM	305_1	Done
136	TT3135	PRESSURE TRANSMITTER	TEMP. TRANSMITTER	305_1	Done
137	LT3128	DIAPHRAGM	LEVEL TRANSMITTER	305_1	Done
138	FCV3127	FLANGE DIAPHRAGM	CONTROL VALVE	305_1	Done
139	FT7052	DIAPHRAGM	DP CELL / DIAPHRAGM	705_1	Done
140	FCV7052	DP / DIAPHRAGM	CONTROL VALVE	705_1	Done
141	LT7053	PRESSURE TRANSMITTER	LEVEL TRANSMITTER	705_1	Done
142	TT7060	PRESSURE TRANSMITTER	TEMP. TRANSMITTER	705_1	Done
143	PT6111	DIAPHRAGM Transmitter	DP / DIAPHRAGM	603_1	Done
144	PDT7072	PRESSURE TRANSMITTER	DP / DIAPHRAGM	705_1	Done
145	LT6108	DIAPHRAGM	LEVEL TRANSMITTER	603_1	Done
146	LT6109	FLANGE DIAPHRAGM	LEVEL TRANSMITTER	603_1	Done
147	LT9255	DIAPHRAGM	LEVEL TRANSMITTER	907_1	Done
148	XSV6118	DP / DIAPHRAGM	ON-OFF VALVE	603_1	Done
149	FCV6102	PRESSURE TRANSMITTER	CONTROL VALVE	603_1	Done
150	FY6102	PRESSURE TRANSMITTER	I/P TRANSDUCER	603_1	Done
151	PT7012	DIAPHRAGM Transmitter	PRESSURE TRANSMITTER	704_1	Done
152	LSH6110	PRESSURE TRANSMITTER	LEVEL SWITCH - TUNING FORK	603_1	Done
153	TT3009	DIAPHRAGM	TEMP. TRANSMITTER	301_1	Done
154	PT7055	DIAPHRAGM	PRESSURE TRANSMITTER	705_1	Done
155	PCV7055	DP / DIAPHRAGM	CONTROL VALVE	705_1	Done
156	TT7059	PRESSURE TRANSMITTER	TEMP. TRANSMITTER	705_1	Done
157	TT7058	NON CONDENSABLES EX H - 782 TO J - 788	TEMP. TRANSMITTER	705_1	Done
158	PCV8211	DEAERATOR PRESSURE	CONTROL VALVE	806_1	Done
159	PSL9770	DV 1-FIRE WATER TO PRODUCTION UNIT GOUND FLOOR	PRESSURE SWITCH	917_2	Done
160	PSH9766	DV 2-FIRE WATER TO PRODUCTION UNIT FLOOR 1 TO 5	PRESSURE SWITCH	917_2	Done
161	PSL9767	DV 2-FIRE WATER TO PRODUCTION UNIT FLOOR 1 TO 5	PRESSURE SWITCH	917_2	Done
162	PSH9755	DV 3-FIRE WATER TO PRODUCTION UNIT FLOOR 1 TO 5	PRESSURE SWITCH	917_2	Done
163	PSL9756	DV 3-FIRE WATER TO PRODUCTION UNIT FLOOR 1 TO 5	PRESSURE SWITCH	917_2	Done

164	PSL9777	DV 5-FIRE WATER TO CS2 DAILY STORAGE	PRESSURE SWITCH	917_2	Done
165	PSL9778	DV 5-FIRE WATER TO CS2 DAILY STORAGE	PRESSURE SWITCH	917_2	Done
166	PSL9758	DV 4-FIRE WATER TO CS2 DAILY STORAGE	PRESSURE SWITCH	917_2	Done
167	PSL9759	DV 4-FIRE WATER TO CS2 DAILY STORAGE	PRESSURE SWITCH	917_2	Done
168	PSL9752	DV 6-FIRE WATER TO CS2 LOADING AREA	PRESSURE SWITCH	917_2	Done
169	PSL9753	DV 6-FIRE WATER TO CS2 LOADING AREA	PRESSURE SWITCH	917_2	Done
170	TE5106	H-502	Temperature Sensor	507_1	Done
171	PI5531	H-502	PRESSURE GAUGE	507_1	Done
172	PG5534	H-502	PRESSURE GAUGE	507_1	Done
173	LY5105	H 502 LEVEL	I/P TRANSDUCER	507_1	Done
174	XY2042	NET GAS TO H 215	SOLENOID VALVE	201_1	Done
175	LY2115	BFW TO H211	SOLENOID VALVE	201_1	Done
176	LSV2114	FEED WATER TO H211	ON-OFF VALVE	201_1	Done
177	PY1006	P108 PRESSURE	SOLENOID VALVE	101_1	Done
178	TT2059	RADIANT SECTION	TEMP. TRANSMITTER	203_1	Done
179	FICV2207	RV-207 NITROGEN PURGE TO FLARE	FLOW INDICATOR	202_1	Done
180	XSV2361	A-200 FURNACE PACKAGE	ON-OFF VALVE	202_1	Done
181	XY2361	A-200 FURNACE PACKAGE	SOLENOID VALVE	202_1	Done
182	XSV2360	A-200 FURNACE PACKAGE	ON-OFF VALVE	202_1	Done
183	XY2360	A-200 FURNACE PACKAGE	SOLENOID VALVE	202_1	Done
184	XSV2359	A-200 FURNACE PACKAGE	ON-OFF VALVE	202_1	Done
185	XY2359	A-200 FURNACE PACKAGE	SOLENOID VALVE	202_1	Done
186	XSV2362	A-200 FURNACE PACKAGE	ON-OFF VALVE	202_1	Done
187	XY2362	A-200 FURNACE PACKAGE	SOLENOID VALVE	202_1	Done
188	TT2367	A-200 FURNACE PACKAGE	TEMP. TRANSMITTER	202_1	Done
189	XSV2376	pilot burner1	ON-OFF VALVE	202_1	Done
190	XSV2375	pilot burner2	ON-OFF VALVE	202_1	Done
191	XY2375	A-200 FURNACE PACKAGE	SOLENOID VALVE	202_1	Done
192	XSV2374	pilot burner3	ON-OFF VALVE	202_1	Done
193	XY2374	A-200 FURNACE PACKAGE	SOLENOID VALVE	202_1	Done
194	XSV2373	pilot burner4	ON-OFF VALVE	202_1	Done
195	XY2373	A-200 FURNACE PACKAGE	SOLENOID VALVE	202_1	Done
196	PCV2371	A-200 FURNACE PACKAGE	CONTROL VALVE	202_1	Done

197	PCV2370	A-200 FURNACE PACKAGE	CONTROL VALVE	202_1	Done
198	XSV2367	A-200 FURNACE PACKAGE	ON-OFF VALVE	202_1	Done
199	XY2367	A-200 FURNACE PACKAGE	SOLENOID VALVE	202_1	Done
200	GSBC2368	A-200 FURNACE PACKAGE	PROX. SWITCH	202_1	Done
201	GSBO2369	A-200 FURNACE PACKAGE	PROX. SWITCH	202_1	Done
202	XSV2366	A-200 FURNACE PACKAGE	ON-OFF VALVE	202_1	Done
203	XY2366	A-200 FURNACE PACKAGE	SOLENOID VALVE	202_1	Done
204	PS2364	NG to furnace burner	PRESSURE SWITCH	202_1	Done
205	PS2363	NG to furnace burner	PRESSURE SWITCH	202_1	Done
206	XSV2343	Zone -5	ON-OFF VALVE	202_1	Done
207	XY2343	Zone -5	SOLENOID VALVE	202_1	Done
208	PS2346	A-200 FURNACE PACKAGE	PRESSURE SWITCH	202_1	Done
209	TCV2021	Zone -5	CONTROL VALVE	202_1	Done
210	GSB2348	TO CLOSE TCV 2021	PROX. SWITCH	202_1	Done
211	PCV2347	REGULATOR	pressure regulator local	202_1	Done
212	PCV2337	Zone -4	CONTROL VALVE	202_1	Done
213	TCV2019	Zone -4	CONTROL VALVE	202_1	Done
214	GSB2338C	Zone -4	PROX. SWITCH	202_1	Done
215	PT2335	Zone -4 Furnace A-200	PRESSURE TRANSMITTER	202_1	Done
216	PS2336	Zone -4	PRESSURE SWITCH	202_1	Done
217	XSV2333	Zone -4	ON-OFF VALVE	202_1	Done
218	XY2333	Zone -4	SOLENOID VALVE	202_1	Done
219	XSV2323	Zone 3	ON-OFF VALVE	202_1	Done
220	XY2323	Zone 3	SOLENOID VALVE	202_1	Done
221	PT2325	Zone 3	PRESSURE TRANSMITTER	202_1	Done
222	PS2326	Zone 3	PRESSURE SWITCH	202_1	Done
223	TCV2065	Zone 3	CONTROL VALVE	202_1	Done
224	GSB2326C	Zone 3	PROX. SWITCH	202_1	Done
225	PCV2327	REGULATOR zone 3	pressure regulator local	202_1	Done
226	XSV2313	Zone 2	ON-OFF VALVE	202_1	Done
227	XY2313	Zone 2	SOLENOID VALVE	202_1	Done
228	PT2315	Zone 2	PRESSURE TRANSMITTER	202_1	Done
229	PS2316	Zone 2	PRESSURE SWITCH	202_1	Done

230	TCV2064	Zone 2	CONTROL VALVE	202_1	Done
231	GSB2318	Zone 2	PROX. SWITCH	202_1	Done
232	PCV2317	Zone 2	CONTROL VALVE	202_1	Done
233	XSV2303	Zone 1	ON-OFF VALVE	202_1	Done
234	XY2303	Zone 1	SOLENOID VALVE	202_1	Done
235	PT2305	Zone 1	PRESSURE TRANSMITTER	202_1	Done
236	PS2306	Zone 1	PRESSURE SWITCH	202_1	Done
237	TCV2063	Zone 1	CONTROL VALVE	202_1	Done
238	GSB2308	Zone 1	PROX. SWITCH	202_1	Done
239	PCV2307	Zone 1	CONTROL VALVE	202_1	Done
240	PCV2087	Nitrogen to A-200	LOCAL REGULATOR	203_1	Done
241	PT5160	H-541 STEAM CONDENSER INLET	PRESSURE TRANSMITTER	512_1	Done
242	TT5128	TAIL GAS TO R-520/530	TEMP. TRANSMITTER	508_1	Done
243	PT10004	PSA outlet	PRESSURE TRANSMITTER	919	Done
244	XSV10003	NG to flare	ON-OFF VALVE	919	Done
245	PT9606	NG from pertamina	PRESSURE TRANSMITTER	915	Done
246	FT9603	NG from pertamina	FLOW X-MITTER	915	Done
247	PT5104	DIAPHRAGM Transmitter	PRESSURE TRANSMITTER	507_1	Done
248	PT2345	PRESSURE TRANSMITTER	PRESSURE TRANSMITTER	202_1	Done
249	AT5042A	DIAPHRAGM	Air Demand Analyzer	508_1	Done
250	AT5042B	FLANGE DIAPHRAGM	Air Demand Analyzer	508_1	Done
251	AT5042C	DIAPHRAGM	Air Demand Analyzer	508_1	Done
252	QT7077	DP / DIAPHRAGM	pH Analyzer	705_1	Done
253	QT7078	PRESSURE TRANSMITTER	pH Analyzer	705_1	Done
254	QT3039	HS	H2S GAS DETECTOR	302_1	Done
255	QT6011	CSU Loading	H2S GAS DETECTOR	601_1	Done
256	QT8019	Demin Water	H2S GAS DETECTOR	801_1	Done
257	QT9150	Cooling Tower	H2S GAS DETECTOR	901_1	Done
258	QT9656	Shelter	H2S GAS DETECTOR	901_1	Done
259	FI2112	V-260 BLOWDOWN	rotameter	205_1	Done
260	PI2120	V-260 STEAM	PRESSURE GAUGE	205_1	Done
261	XY2140	PRODUCT EX H - 207 SULFUR COND. TO V - 270	SOLENOID VALVE	206_1	Done
262	XY2141	PRODUCT EX H - 207 SULFUR COND. TO V - 270	SOLENOID VALVE	206_1	Done

263	GSB2133C	XSV-2141 POSITION CLOSED	PROX. SWITCH	206_1	Done
264	GSB2133O	XSV-2141 POSITION OPEN	PROX. SWITCH	206_1	Done
265	LY2134	H-207 SULFUR CONDENSER LEVEL VALVE	I/P TRANSDUCER	206_1	Done
266	LY2135	H-207 SULFUR CONDENSER	SOLENOID VALVE	206_1	Done
267	FY2161	RECYCLE SULFUR TO A - 200	SOLENOID VALVE	207_1	Done
268	XY2170A	XSV-2170 ON-OFF VALVE - OPEN	SOLENOID VALVE	207_1	Done
269	GSB2171O	XSV-2170 POSITION OPEN	PROXIMITY SWITCH	207_1	Done
270	GSB2171C	XSV-2170 POSITION CLOSED	PROXIMITY SWITCH	207_1	Done
271	XY2202	CS2 & H2S EX V-285 to H-302	SOLENOID VALVE	208_1	Done
272	XY2203	CS2 TO V - 285	SOLENOID VALVE	208_1	Done
273	FV5038	MAIN AIR TO R.F. BURNER	CONTROL VALVE	503_1	Done
274	HV5041	F-500 MAIN AIR TO R.F. BURNER	CONTROL VALVE	503_1	Done
275	FT5043	K-504 DISCHARGE	FLOW X-MITTER -dP CELL	503_1	Done
276	FV5044	K-503 DISCHARGE	CONTROL VALVE	503_1	Done
277	FT5044	K-503 DISCHARGE	FLOW X-MITTER -dP CELL	503_1	Done
278	FV5043	K-504 DISCHARGE	CONTRL VALVE	503_1	Done
279	XY5052	FG to main burner F500	Solenoid valve	504_1	Done
280	ZSC5052	FG to main burner F500	LIMIT SWITCH	504_1	Done
281	XY5051	FG to main burner F500	Solenoid valve	504_1	Done
282	ZI5051	FG to main burner F500	Position feed back	504_1	Done
283	ZSC5051	FG to main burner F500	LIMIT SWITCH	504_1	Done
284	XSV5053	FG to main burner F500	ON-OFF VALVE	504_1	Done
285	XY5053	FG to main burner F500	Solenoid valve	504_1	Done
286	ZSC5053	FG to main burner F500	LIMIT SWITCH	504_1	Done
287	XSV5054	FG to pilot burner F500	ON-OFF VALVE	504_1	Done
288	XY5054	FG to pilot burner F500	Solenoid valve	504_1	Done
289	ZI5054	FG to pilot burner F500	Position feed back	504_1	Done
290	ZSC5054	FG to pilot burner F500	LIMIT SWITCH	504_1	Done
291	XY5055	FG to pilot burner F500	Solenoid valve	504_1	Done
292	ZSC5055	FG to pilot burner F500	LIMIT SWITCH	504_1	Done
293	XY5056	FG to pilot burner F500	Solenoid valve	504_1	Done
294	ZSC5056	FG to pilot burner F500	LIMIT SWITCH	504_1	Done
295	PCV5516	Fuel gas to F-500 main	LOCAL REGULATOR	504_1	Done

296	PCV5514	Fuel gas to F-500 pilot	LOCAL REGULATOR	504_1	Done
297	FV5050	F-500 FUEL GAS TO R.F. BURNER	CONTROL VALVE	504_1	Done
298	ZSC5084	F-500 COMB. AIR TO MAIN BURNER, UV-5084 CLOSE	LIMIT SWITCH	505_1	Done
299	ZSO5084	F-500 COMB. AIR TO MAIN BURNER, UV-5084 OPEN	LIMIT SWITCH	505_1	Done
300	LT5069A	V-506 H.P. STEAM DRUM	LEVEL X-MITTER - DIFF. PRESSURE	506_1	Done
301	LT5069B	V-506 H.P. STEAM DRUM	LEVEL X-MITTER - DIFF. PRESSURE	506_1	Done
302	FT5090	V-506 BFW TO STEAM DRUM	FLOW X-MITTER -dP CELL	506_1	Done
303	FT5091	V-506 STEAM TO HP HEADER	FLOW X-MITTER -dP CELL	506_1	Done
304	PT5092	V-506 STEAM TO HP HEADER	PRESSURE TRANSMITTER	506_1	Done
305	FV5090	V-506 BFW TO STEAM DRUM	CONTROL VALVE	506_1	Done
306	FY5090	V-506 BFW TO STEAM DRUM	I/P TRANSDUCER	506_1	Done
307	TT5119A	R-510 CLAUS CONVERTER	TEMP. TRANSMITTER	508_1	Done
308	TT5119B	R-510 CLAUS CONVERTER	TEMP. TRANSMITTER	508_1	Done
309	TT5119C	R-510 CLAUS CONVERTER	TEMP. TRANSMITTER	508_1	Done
310	TT5120A	R-510 CLAUS CONVERTER	TEMP. TRANSMITTER	508_1	Done
311	TT5120B	R-510 CLAUS CONVERTER	TEMP. TRANSMITTER	508_1	Done
312	TT5120C	R-510 CLAUS CONVERTER	TEMP. TRANSMITTER	508_1	Done
313	TT5566	H-532 ACID GAS OUTLET	TEMP. TRANSMITTER	509_1	Done
314	TT5140	R-520 SULPHUR CONVERTER #2	TEMP. TRANSMITTER	509_1	Done
315	TT5141	R-530 SULPHUR CONVERTER #3	TEMP. TRANSMITTER	509_1	Done
316	TT5144A	R-520 SULPHUR CONVERTER #2	TEMP. TRANSMITTER	509_1	Done
317	TT5144B	R-520 SULPHUR CONVERTER #2	TEMP. TRANSMITTER	509_1	Done
318	TT5144C	R-520 SULPHUR CONVERTER #2	TEMP. TRANSMITTER	509_1	Done
319	TT5144D	R-520 SULPHUR CONVERTER #2	TEMP. TRANSMITTER	509_1	Done
320	TT5145A	R-520 SULPHUR CONVERTER #2	TEMP. TRANSMITTER	509_1	Done
321	TT5145B	R-520 SULPHUR CONVERTER #2	TEMP. TRANSMITTER	509_1	Done
322	TT5145C	R-520 SULPHUR CONVERTER #2	TEMP. TRANSMITTER	509_1	Done
323	TT5145D	R-520 SULPHUR CONVERTER #2	TEMP. TRANSMITTER	509_1	Done
324	TT5146A	R-520 SULPHUR CONVERTER #3	TEMP. TRANSMITTER	509_1	Done
325	TT5146B	R-520 SULPHUR CONVERTER #3	TEMP. TRANSMITTER	509_1	Done
326	TT5146C	R-520 SULPHUR CONVERTER #3	TEMP. TRANSMITTER	509_1	Done
327	TT5146D	R-520 SULPHUR CONVERTER #3	TEMP. TRANSMITTER	509_1	Done
328	TT5147A	R-520 SULPHUR CONVERTER #3	TEMP. TRANSMITTER	509_1	Done

329	TT5147B	R-520 SULPHUR CONVERTER #3	TEMP. TRANSMITTER	509_1	Done
330	TT5147C	R-520 SULPHUR CONVERTER #3	TEMP. TRANSMITTER	509_1	Done
331	TT5147D	R-520 SULPHUR CONVERTER #3	TEMP. TRANSMITTER	509_1	Done
332	KV5150	R-520 ACID GAS INLET	ON-OFF VALVE	509_1	Done
333	KYC5150	R-520 ACID GAS INLET	SOLENOID VALVE - 3-WAY	509_1	Done
334	KYO5150	R-520 ACID GAS INLET	SOLENOID VALVE - 3-WAY	509_1	Done
335	ZSC5150	R-520 ACID GAS INLET	LIMIT SWITCH	509_1	Done
336	ZSO5150	R-520 ACID GAS INLET	LIMIT SWITCH	509_1	Done
337	KV5151	H-532 ACID GAS OUTLET	ON-OFF VALVE	509_1	Done
338	KYC5151	H-532 ACID GAS OUTLET	SOLENOID VALVE - 3-WAY	509_1	Done
339	KYO5151	H-532 ACID GAS OUTLET	SOLENOID VALVE - 3-WAY	509_1	Done
340	ZSC5151	H-532 ACID GAS OUTLET	LIMIT SWITCH	509_1	Done
341	ZSO5151	H-532 ACID GAS OUTLET	LIMIT SWITCH	509_1	Done
342	KV5152	H-522 ACID GAS OUTLET	ON-OFF VALVE	509_1	Done
343	KYC5152	H-522 ACID GAS OUTLET	SOLENOID VALVE - 3-WAY	509_1	Done
344	KYO5152	H-522 ACID GAS OUTLET	SOLENOID VALVE - 3-WAY	509_1	Done
345	ZSC5152	H-522 ACID GAS OUTLET	LIMIT SWITCH	509_1	Done
346	ZSO5152	H-522 ACID GAS OUTLET	LIMIT SWITCH	509_1	Done
347	XV5206	FG TO PILOT INCIN	ON-OFF VALVE	511_1	Done
348	XY5203	FG TO MAIN BURDER INCIN	Solenoid valve	511_1	Done
349	XV5203	FG TO MAIN BURDER INCIN	ON-OFF VALVE	511_1	Done
350	XY5204	FG TO MAIN BURDER INCIN	Solenoid valve	511_1	Done
351	XV5204	FG TO MAIN BURDER INCIN	ON-OFF VALVE	511_1	Done
352	XY5206	FG TO PILOT INCIN	SOLENOID VALVE	511_1	Done
353	XY5207	FG TO PILOT INCIN	SOLENOID VALVE	511_1	Done
354	XY5208	FG TO PILOT INCIN	SOLENOID VALVE	511_1	Done
355	XV5208	FG TO PILOT INCIN	ON-OFF VALVE	511_1	Done
356	XY5202	FG TO MAIN BURDER INCIN	SOLENOID VALVE	511_1	Done
357	LS7019	T-750 SULFUR FLARE RECEIVER	LEVEL SWITCH	704-1	Done
358	LI7024	T-750 SULFUR FLARE RECEIV.	LEVEL INDICATOR	704_1	Done
359	PI7022	A-770 FLARE STACK PROPANE	PRESSURE GAUGE	704_1	Done
360	XY7016	T-765 COLLECTION TANK SLOPS EX.	SOLENOID VALVE	704_1	Done
361	SDV7026	NG TO FLARE PIPE-1	ON-OFF VALVE	704_1	Done

362	SV7026	NG TO FLARE PIPE-1	SOLENOID VALVE	704_1	Done
363	ZSO7026	NG TO FLARE PIPE-1	LIMIT SWITCH	704_1	Done
364	SDV7027	NG TO FLARE PIPE-2	ON-OFF VALVE	704_1	Done
365	SV7027	NG TO FLARE PIPE-2	SOLENOID VALVE	704_1	Done
367	PCV7033	LPG SUPPLY TO FLARE	LOCAL REGULATOR	704_1	Done
368	PCV7035	LPG SUPPLY TO FLARE	LOCAL REGULATOR	704_1	Done
369	PCV7029	NG SUPPLY TO FLARE	LOCAL REGULATOR	704_1	Done
370	PCV7031	NG SUPPLY TO FLARE	LOCAL REGULATOR	704_1	Done
371	PSL7028	NG SUPPLY PRESSURE	PRESSURE SWITCH	704_1	Done
372	PS7037	LPG SUPPLY PRESSURE	PRESSURE SWITCH	704_1	Done
373	FY7051	PAD WATER TO C790	I/P TRANSDUCER	705_1	Done
374	FY7052	LPS TO C - 780 PAD WATER STRIPPER	I/P TRANSDUCER	705_1	Done
375	LY7053A	C-780 WASTE WATER STRIPPER	I/P TRANSDUCER	705_1	Done
376	LY7053B	C-780 WASTE WATER STRIPPER	I/P TRANSDUCER	705_1	Done
377	PY7055	H-782 WASTE WATER STRIPPER CONDENSER	I/P TRANSDUCER	705_1	Done
378	TY7058	NON CONDENSABLES EX H - 782 TO J - 788	I/P TRANSDUCER	705_1	Done
379	LI7054	C-780 WASTE WATER STRIPPER	LEVEL INDICATOR	705_1	Done
380	PI7056	WASTE WATER	PRESSURE GAUGE	705_1	Done
381	PI7057	STEAM	PRESSURE GAUGE	705_1	Done
382	PI7070	NITROGEN	PRESSURE GAUGE	705_1	Done
383	TI7061	WASTE WATER	TEMPERATURE GAUGE	705_1	Done
384	HSV7163A	TEMPERATURE AT H-781	ON-OFF VALVE	705_1	Done
385	HSV7163B	TEMPERATURE AT H-782	ON-OFF VALVE	705_1	Done
386	TI7063	TEMPERATURE AT H-782	TEMPERATURE GAUGE	705_1	Done
387	TI7064	TEMPERATURE AT H-786	TEMPERATURE GAUGE	705_1	Done
388	TI7065	TEMPERATURE AT H-786	TEMPERATURE GAUGE	705_1	Done
389	TI7066	TEMPERATURE AT H-786	TEMPERATURE GAUGE	705_1	Done
390	LT7121	T-790 FURNACE BLOWING TANK	LEVEL TRANSMITTER	706_1	Done
391	LT7116	FURNACE PROCESS	LEVEL TRANSMITTER	706_1	Done
392	LT7118	FURNACE PROCESS	LEVEL TRANSMITTER	706_1	Done
393	LT7122	FURNACE PROCESS	LEVEL TRANSMITTER	706_1	Done
394	PI7110	STEAM	PRESSURE GAUGE	706_1	Done
395	PI7111	STEAM	PRESSURE GAUGE	706_1	Done

396	PI7113	SOUR WATER	PRESSURE GAUGE	706_1	Done
397	PI7114	WASTE WATER	PRESSURE GAUGE	706_1	Done
398	PI7120	NITROGEN	PRESSURE GAUGE	706_1	Done
399	LT8208	T-830 DEAERATOR	LEVEL TRANSMITTER	806_1	Done
400	XY8208	T-830 DEAERATOR	I/P TRANSDUCER	806_1	Done
401	PT8211	T-830 DEAERATOR	PRESSURE TRANSMITTER	806_1	Done
402	PY8211	T-830 DEAERATOR	I/P TRANSDUCER	806_1	Done
403	LSLL8212	T-830 DEAERATOR	LEVEL X-MITTER - DIFF. PRESSURE	806_1	Done
404	LCV8208	T-830 DEAERATOR	CONTROL VALVE	806_1	Done
405	PI8112	DEAREATOR	PRESSURE GAUGE	805_1	Done
406	QT8304	CONDENSATE RETURN	ANALYZER - COND.	807_1	Done
407	FT8103	STEAM EX. H-844	FLOW X-MITTER -dP CELL	805_1	Done
408	PI2138	H-207 STEAM	PRESSURE GAUGE	206_1	Done
409	PI2144	H-207 BOILER FEED WATER	PRESSURE GAUGE	206_1	Done
410	LSLL2164	V-270 RECYCLE SULFUR VESSEL	LEVEL SWITCH	207_1	Done
411	PI2166	V-270 RECYCLE SULFUR VESSEL	PRESSURE GAUGE	207_1	Done
412	PI2167	V-270 RECYCLE SULFUR VESSEL , P273	PRESSURE GAUGE	207_1	Done
413	PI2168	V-270 RECYCLE SULFUR VESSEL , P274	PRESSURE GAUGE	207_1	Done
414	PI2169	V-270 RECYCLE SULFUR VESSEL , P283	PRESSURE GAUGE	207_1	Done
415	PC2208	STEAM TO V281	LOCAL REGULATOR	208_1	Done
416	TI2201	COOLING WATER H282	TEMPERATURE GAUGE	208_1	Done
417	LT3001	V-300 STABILIZER FEED DRUM (CS2)	LEVEL X-MITTER - DIFF. PRESSURE	301_1	Done
418	LSLL3003	V-300 STABILIZER FEED DRUM (CS2)	LEVEL SWITCH - FLOAT	301_1	Done
419	LI3004	V-300 STABILIZER FEED DRUM (CS2)	LEVEL INDICATOR	301_1	Done
420	LI3005	V-300 STABILIZER FEED DRUM (H2O)	LEVEL INDICATOR	301_1	Done
421	XY3011	V-300 RAW CS2 EX	SOLENOID VALVE	301_1	Done
422	LY3030	C-320 ABSORBER	SOLENOID VALVE	302_1	Done
423	FT3026	LEAN OIL TO C - 320 ABSORBER	FLOW X-MITTER -dP CELL	302_1	Done
424	FICV3055	RV-304 NITROGEN PURGE TO FLARE	ROTAMETER	302_1	Done
425	FICV3056	RV-305 NITROGEN PURGE TO FLARE	ROTAMETER	302_1	Done
426	FCV3028	RICH OIL TO C - 320 ABSORBER EX. H - 330 INTER COOLER	CONTROL VALVE	302_1	Done
427	FT3029	RICH OIL TO EX. C - 320 ABSORBER BOTTOM	FLOW X-MITTER -dP CELL	302_1	Done
428	XY3050	C-320 ABSORBER H2S-CS2 FEED	SOLENOID VALVE	302_1	Done

429	PI3034	C-320 RICH OIL	PRESSURE GAUGE	302_1	Done
430	PI3035	P-323 RICH OIL	PRESSURE GAUGE	302_1	Done
431	PI3036	P-324 RICH OIL	PRESSURE GAUGE	302_1	Done
432	PI3037	P-333 RICH OIL	PRESSURE GAUGE	302_1	Done
433	TI3079	H-361 COOLING WATER OUTLET	TEMPERATURE GAUGE	303_1	Done
434	TI3080	H-351 RICH OIL OUTLET	TEMPERATURE GAUGE	303_1	Done
435	LI3103	T-350 LEAN OIL TANK	LEVEL INDICATOR	304_1	Done
436	LI3104	T-350 LEAN OIL TANK BOTTOM	LEVEL INDICATOR	304_1	Done
437	PI3106	P-353 LEAN OIL OUTLET	PRESSURE GAUGE	304_1	Done
438	PI3107	P-354 LEAN OIL OUTLET	PRESSURE GAUGE	304_1	Done
439	XY3138	STRIPPER OVERHEAD EX. H - 342 OVERHEAD CONDENSER	SOLENOID VALVE	305_1	Done
440	XY3139	RAW CS2 TO C - 340 STRIPPER	SOLENOID VALVE	305_1	Done
441	PY3129	STEAM TO C - 340 STRIPPER	SOLENOID VALVE	305_1	Done
442	TI3136	H-342 STRIPPER CONDENSER COOLING WATER OUTLET	TEMPERATURE GAUGE	305_1	Done
443	TI3137	C-340 STRIPPER	TEMPERATURE GAUGE	305_1	Done
444	LI4016	LEVEL INDICATOR AT H-401 STABILIZER REBOILER	LEVEL INDICATOR	401_1	Done
445	PCV5653	FG TO PILOT INCINERATOR	PRESSURE REGULATOR LOCAL	511_1	Done
446	PV5160A	H-541 STEAM CONDENSER INLET	I/P TRANSDUCER	512_1	Done
447	PV5160B	H-541 STEAM CONDENSER INLET	I/P TRANSDUCER	512_1	Done
448	PY5160A	H-541 STEAM CONDENSER INLET	I/P TRANSDUCER	512_1	Done
449	PY5160B	H-541 STEAM CONDENSER INLET	I/P TRANSDUCER	512_1	Done
450	FY4051	C-420 STILL REFLUX	I/P TRANSDUCER	402_1	Done
451	PY4068	H-421 STILL REBOILER STEAM	I/P TRANSDUCER	402_1	Done
452	HY4080ACT	C-420 BOTTOMS TO CONTAINER	ACTUATOR	402_1	Done
453	HY4080SOV	C-420 BOTTOMS TO CONTAINER	SOLENOID VALVE	402_1	Done
454	LT6001	T-610 CS2 CHECK TANK	LEVEL X-MITTER - CAPACITANCE	601_1	Done
455	LT6002	T-620 CS2 CHECK TANK	LEVEL X-MITTER - CAPACITANCE	601_1	Done
456	LT6003	T-630 CS2 CHECK TANK	LEVEL X-MITTER - CAPACITANCE	601_1	Done
457	LI6008	T-610 CS2 CHECK TANK	FLOAT LEVEL GAUGE	601_1	Done
458	LI6009	T-620 CS2 CHECK TANK	FLOAT LEVEL GAUGE	601_1	Done
459	LI6010	T-630 CS2 CHECK TANK	FLOAT LEVEL GAUGE	601_1	Done
460	LT6051	T-600 PAD WATER TANK	LEVEL X-MITTER - DIFF. PRESSURE	602_1	Done
461	LY8302	T-886 CONTAMINATED CONDENSATE TANK	I/P TRANSDUCER	807_1	Done

462	QY8304	CONDENSATE RETURN	SOLENOID VALVE	807_1	Done
463	TY8305	CONTAMINATED CONDENSATE EX. H - 888	I/P TRANSDUCER	807_1	Done
464	QSV8304	CONDENSATE RETURN valve	ON-OFF VALVE	807_1	Done
465	PY8404	CONTAMINATED CONDENSATE EX. H - 888	I/P TRANSDUCER	809_1	Done
466	TCV8402	CONTAMINATED CONDENSATE EX. H - 889	CONTROL VALVE	809_1	Done
467	TY8402	CONDENSATE EX H - 890	I/P TRANSDUCER	809_1	Done
468	PT8404	STEAM TO A - 890 AIR COOLED STEAM CONDENSER	PRESSURE TRANSMITTER	809_1	Done
469	PT8505	STEAM 5 BAR EX HP STEAM REDUCER	PRESSURE TRANSMITTER	811_1	Done
470	HY8505B	MP Steam Boiler	SOLENOID VALVE	811_2	Done
471	LAH9001	OILY WATER TREATMENT	LEVEL SWITCH - CAPACITANCE	901_1	Done
472	PI9030	WASTE WATER CHECK AND DISCHARGE	PRESSURE GAUGE	903_1	Done
473	PI9029	WASTE WATER CHECK AND DISCHARGE	PRESSURE GAUGE	903_1	Done
474	XSV9027	WATER TO KIKC VALVE	ON-OFF VALVE	903_1	Done
475	GSB9003	P981 SUCTION PROXIMITY SWITCH for manual valve	LIMITSWITCH	903_1	Done
476	GSB9004	P981 SUCTION PROXIMITY SWITCH for manual valve	LIMITSWITCH	903_1	Done
477	GSB9005	P981 SUCTION PROXIMITY SWITCH for manual valve	LIMITSWITCH	903_1	Done
478	LSAL9007	T-985 WASTE WATER CHECK SUMP	LEVEL SWITCH - FLOAT	903_1	Done
479	LSAL9008	T-985 WASTE WATER CHECK SUMP	LEVEL SWITCH - FLOAT	903_1	Done
480	LSAL9009	T-985 WASTE WATER CHECK SUMP	LEVEL SWITCH - FLOAT	903_1	Done
481	LY9104	T-907 COOLING WATER BASIN	CONTROL VALVE	904_1	Done
482	LCV9104	T-907 COOLING WATER BASIN	CONTROL VALVE	904_1	Done
483	FICV9104	PURGE AIR TO LT 9104	ROTAMETER	904_1	Done
484	FICV9105	PURGE AIR TO LT 9104	ROTAMETER	904_1	Done
485	LT9104	T-907 COOLING WATER BASIN	LEVEL X-MITTER - DIFF. PRESSURE	904_1	Done
486	PDSHH9119	S-917 SIDE STREAM FILTER	PRESS. DIFF. SWITCH	904_1	Done
487	LT9902	T908 WATER LEVEL	LEVEL TRANSMITTER	904_1	Done
488	FICV9902	PURGE AIR TO LT 9902	ROTAMETER	904_1	Done
489	LT9903	T908 WATER LEVEL	LEVEL TRANSMITTER	904_1	Done
490	FICV9903	PURGE AIR TO LT9903	ROTAMETER	904_1	Done
491	LT9253	T970 LEVEL TRANSMITTER	LEVEL TRANSMITTER	907_1	Done
492	FQI9251	PROCESS WATER FLOW FROM PUPUK KUJANG	VORTEX FLOM METER	907_1	Done
493	FQI92521B	PROCESS WATER FLOW FROM PUPUK KUJANG	VORTEX FLOM METER	907_1	Done
494	LCV9253	T970 LEVEL	CONTROL VALVE	907_1	Done

495	PI9306	INSTRUMENT AIR UNIT BUFFER	PRESSURE GAUGE	908_1	Done
496	PDT9402	N2 BACK UP FOR AIR INSTRUMENT	PRESSURE DIFFERENTIAL TR	909_1	Done
497	PI9263	Discharge P-973	PRESSURE GAUGE	907_1	Done
498	LZA9254	T-970 Level	LEVEL TRANSMITTER	907_1	Done
499	PI5256	Water from PUPUKKUJANG	PRESSURE GAUGE	907_1	Done
500	PSV9401	Nitrogen	CONTROL VALVE	909_1	Done
501	PG9403	Nitrogen pressure	PRESSURE GAUGE	909_1	Done
502	PC9404	Nitrogen	VALVE	909_1	Done
503	PI9606	Natural Gas Feed Line	PRESSURE GAUGE	915_1	Done
504	FI9603	Natural Gas Feed Line	FLOW METER	915_1	Done
505	BE5224	A-560, INCINERATOR FLAME UV SENSOR	FIRE EYE E110 FLAME MONITOR	510_1	Done
506	BSLL5224	A-560, INCINERATOR FLAME UV AMPLIFIER	FIRE EYE E110 FLAME MONITOR	510_1	Done
507	BE5225	A-560, INCINERATOR FLAME UV SENSOR	FIRE EYE E110 FLAME MONITOR	510_1	Done
508	BSLL5225	A-560, INCINERATOR FLAME UV AMPLIFIER	FIRE EYE E110 FLAME MONITOR	510_1	Done
509	FCV5201	F-500 FG TO INCINERATOR	CONTROL VALVE	511_1	Done
510	FY5201	F-500 FG TO INCINERATOR	I/P TRANSDUCER	511_1	Done
511	TT5161	H-541 STEAM CONDENSER OUTLET	TEMP. TRANSMITTER	512_1	Done
512	HS5163	H-541 STEAM CONDENSER FINFAN/ ST PB	Push button local	512_1	Done
513	XY6061	T-650 CS2 STORAGE TANK CS2 INLET	SOLENOID VALVE	602_1	Done
514	TIT08	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
515	TIT06	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
516	TIT05	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
517	TIT03	Vacum Compressor	TEMP. TRANSMITTER	P069-P001	Done
518	TIT04	Vacum Compressor	TEMP. TRANSMITTER	P069-P001	Done
519	TIT07	Vacum Compressor	TEMP. TRANSMITTER	P069-P001	Done
520	TI7062	TEMPERATURE AT H-782	TEMPERATURE GAUGE	705_1	Done
521	TT7122	FURNACE PROCESS	TEMP. TRANSMITTER	706_1	Done
522	FI7103	STEAM	PRESSURE GAUGE	706_1	Done
523	TI8306	CONTAMINATED CONDENSATE EX. H - 888	TEMPERATURE GAUGE	807_1	Done
524	PCV8501	D - 896 Steam Reducer	CONTROL VALVE	811_1	Done
525	PI8207	STEAM	PRESSURE GAUGE	806_1	Done
526	LSV6051	T-600 PAD WATER TANK	ON-OFF VALVE	602_1	Done
527	LY6051	T-600 PAD WATER TANK	ON-OFF VALVE	602_1	Done

528	LCV9902	Natural Gass	CONTROL VALVE	904_1	Done
529	PT9607	Natural Gas feed line (pertamina)	PRESSURE TRANSMITTER	915_1	Done
530	PI9607	Natural Gas feed line (pertamina)	PRESSURE GAUGE	915_1	Done
531	FT5201	F-500 FG TO INCINERATOR	FLOW X-MITTER -dP CELL	511_1	Done
532	HS6004R	CS2 DAY TANKS PANEL	PANEL PUSH BUTTON	601_1	Done
533	XZV6120	CS2 TANK CAR	ON-OFF VALVE	603_1	Done
534	PI6115	CS2 TANKCAR LOADING NITROGEN	PRESSURE GAUGE	603_1	Done
535	PI6127	CS2 TANK CAR NITROGEN	PRESSURE GAUGE	603_1	Done
536	FCV6101	CONTROL VALVE	CONTROL VALVE	603_1	Done
537	XSV6122	CS2 TANK CAR NITROGEN	ON-OFF VALVE	603_1	Done
538	GSB2204C	XSV-2203 SEPARATOR V - 285	PROX. SWITCH	208_1	Done
539	GSB2205C	XSV 2202 SEPARATOR V - 285	PROX. SWITCH	208_1	Done
540	GSB2205O	XSV 2202 SEPARATOR V - 285	PROX. SWITCH	208_1	Done
541	GSB3012O	XSV-3011 POSITION OPEN	PROX. SWITCH	301_1	Done
542	GSB3012C	XSV-3011 POSITION CLOSED	PROX. SWITCH	301_1	Done
543	PI3007	P-303 CS2 OUTLET PRESSURE	DIAPHRGM SEAL	301_1	Done
544	PI3008	P-304 CS2 OUTLET PRESSURE	DIAPHRGM SEAL	301_1	Done
545	FY3026	LEAN OIL TO C - 320 ABSORBER	I/P TRANSDUCER	302_1	Done
546	PY3032A	C-320 ABSORBER OVERHEAD	I/P TRANSDUCER	302_1	Done
547	PY3130A	STEAM TO H - 341 RICH OIL HEATER	I/P TRANSDUCER	305_1	Done
548	PI4071	P-433 CS2	DIAPHRGM SEAL	402_2	Done
549	PI4072	P-434 CS2	DIAPHRGM SEAL	402_2	Done
550	FY5043	K-504 DISCHARGE	I/P TRANSDUCER	503_1	Done
551	FY5044	K-503 DISCHARGE	I/P TRANSDUCER	503_1	Done
552	BSLL5087	F-500 R.F. PILOT FLAME FAILURE	FIRE EYE E110 FLAME MONITOR	505_1	Done
553	BSLL5088	F-500 R.F. MAIN FLAME FAILURE	FIRE EYE E110 FLAME MONITOR	505_1	Done
554	FY6101A	TANK CAR CS2	I/P TRANSDUCER	603_1	Done
555	PI6114	CS2 TANKCAR CS2	DIAPHRGM SEAL	603_1	Done
556	XY6120A	CS2 TANK CAR	ACTUATOR	603_1	Done
557	XY6120B	CS2 TANK CAR	SOLENOID VALVE	603_1	Done
558	XY6122A	CS2 TANK CAR NITROGEN	ACTUATOR	603_1	Done
559	XY6122B	CS2 TANK CAR NITROGEN	SOLENOID VALVE	603_1	Done
560	HS6104E	EMERGENCY STOP/local panel loading area	PUSH BUTTON	603_1	Done

561	UV5084	F-500 COMB. AIR TO MAIN BURNER,	control valve	505_1	Done
562	LSH6057	T-600 PAD WATER TANK CS2 LEVEL HI.	LEVEL SWITCH - CAPACITANCE	602_1	Done
563	FICV2174	V-270 NITROGEN PURGE TO LT2163	FLOW INDICATOR	207_1	Done
564	XZV2038	NATURAL GAS TO H - 213 BLEED VALVE	ON-OFF VALVE	201_1	Done
565	XY3050A	XSV-3050 ON-OFF VALVE - OPEN	SOLENOID VALVE	302_1	Done
566	XY3050B	XSV-3050 ON-OFF VALVE - CLOSE	SOLENOID VALVE	302_1	Done
567	XY6128	CS2 TO T - 650 CS2 STORAGE TANK	SOLENOID VALVE	603_1	Done
568	LT6054	T-650 CS2 STORAGE TANK CS2 WATER INTERFACE	TANK GAUGE	602_1	Done
569	TT5121	R-510 CLAUS CONVERTER OUTLET	TEMP. TRANSMITTER	508_1	Done
570	PI1014	P108/P109 SULFUR	DIAPHRGM SEAL	201_1	Done
571	PT4068	H-421 STILL REBOILER STEAM	PRESSURE TRANSMITTER	402_1	Done
572	HSV4080	C-420 BOTTOMS TO CONTAINER	ON-OFF VALVE	402_1	Done
573	XS5011	RUPTURE DISC RD - 501 T - 570	PRESS. SWITCH	501_1	Done
574	PT5036	S-509 INLET K.O DRUM OUTLET	PRESSURE TRANSMITTER	502_1	Done
575	TT5075	R-510 ACID GAS TO CLAUS CONV.	TEMP. TRANSMITTER	505_1	Done
576	TT5086	F-500 R.F. PILOT/MAIN FLAME PYROMETER	PYROMETER	505	Done
577	TT5093	R-510 H2S TO CLAUS CONVERTER	TEMP. TRANSMITTER	508_1	Done
578	TT5122	H-521 REHEAT GAS EXCHANGER O/L	TEMP. TRANSMITTER	508_1	Done
579	PT5127	H-512 MP STEAM FROM CONDEN. #2	PRESSURE TRANSMITTER	508	Done
580	TT5133	H-512 SULPHUR CONDENSER #2	TEMP. TRANSMITTER	508_1	Done
581	TT5153	F-550 TAIL GAS	TEMP. TRANSMITTER	510_1	Done
582	XSV6119	C-680 CS2 VENT CSRUBBER RICH OIL EX	ON-OFF VALVE	603_1	Done
583	TT8402	CONDENSATE EX H - 890	TEMP. TRANSMITTER	809_1	Done
584	TT8502	HP - STEAM HEADER	TEMP. TRANSMITTER	811_1	Done
585	TSH8510	STEAM 5 BAR EX HP STEAM REDUCER	TEMP. SWITCH	811_3	Done
586	TT8552	MP - STEAM HEADER	TEMP. TRANSMITTER	811_1	Done
587	PT9501	T-961 NITROGEN STORAGE TANK	PRESSURE TRANSMITTER	913	Done
588	HY4080	C-420 BOTTOMS TO CONTAINER	ACTUATOR	402_1	Done
589	XY4099	still to CS2 loading for washing	SOLENOID VALVE	402_1	Done
590	XY5077	NITROGEN GAS PURGE TO F-500, SOV of FCV5077	SOLENOID VALVE - 3-WAY	505_1	Done
591	XSV5080	instrument air to ignitor F-500	ON-OFF VALVE	505_1	Done
592	PV5127	H-512 MP STEAM FROM CONDEN. #2	CONTROL VALVE	508	Done
593	FICV6051	T-600 PAD WATER TANK BUBBLER	FLOW INDICATOR	602_1	Done

594	XY6162	CS2 TO T - 650 CS2 STORAGE TANK	ON-OFF VALVE	604_1	Done
595	XY6165	CS2 TO T - 650 CS2 STORAGE TANK	ON-OFF VALVE	604_1	Done
596	XY6167	CS2 TO T - 650 CS2 STORAGE TANK	ON-OFF VALVE	604_1	Done
597	XY6230	CS2 TO T - 650 CS2 STORAGE TANK	ON-OFF VALVE	603_1	Done
598	FICV2502	RV-204 NITROGEN TO FLARE	FLOW INDICATOR	201_1	Done
599	FT2061	NATURAL GAS TO H-213 BURNERS	FLOW X-MITTER - VORTEX	202_1	Done
600	PI2119	P-264 HOT WATER	BUORDON TUBE	205_1	Done
601	PI2118	P-263 HOT WATER	BUORDON TUBE	205_1	Done
602	LI2137	H-207 SULFUR CONDENSER LEVEL INDICATOR	LEVEL INDICATOR	206_1	Done
603	LI2165	SULFUR	LEVEL INDICATOR	207_1	Done
604	FICV2173	RV206 NITROGEN PURGE TO FLARE	FLOW INDICATOR	207_1	Done
605	PI2196	C-280 CS2	DIAPHRGM SEAL	208_1	Done
606	LI3013	V-300 STABILIZER FEED DRUM	LEVEL INDICATOR	301_1	Done
607	TI3010	H-302 COOLING WATER OUTLET	TEMP. INDICATOR	301_1	Done
608	LI3031	C-320 ABSORBER LEVEL INDICATOR	LEVEL INDICATOR	302_1	Done
609	TI3045	H-330 ABSORBER INTERCOOLER COOLING WATER	TEMP. INDICATOR	302_1	Done
610	TI3078	H-330 ABSORBER INTERCOOLER COOLING WATER	TEMP. INDICATOR	303_1	Done
611	PI3131	C-340 STRIPPER TOP RAW CS2	DIAPHRGM SEAL	305_1	Done
612	LI3140	C-340 STRIPPER	LEVEL INDICATOR	305_1	Done
613	PI4008	H-401 STABILIZER REBOILER STEAM	BUORDON TUBE	401_1	Done
614	FICV4020	RV401 NITROGEN PURGE TO FLARE	FLOW INDICATOR	401_1	Done
615	TI4015	H-402 STABILIZER CONDENSER COOLING WATER	TEMP. INDICATOR	401_1	Done
616	LI4064	C-420 STILL	LEVEL INDICATOR	402_1	Done
617	TI4078	H-422 STILL CONDENSER COOLING WATER OUTLET	TEMP. INDICATOR	402_2	Done
618	PI9257	WATER	BUORDON TUBE	907_2	Done
619	PI9259	WATER	BUORDON TUBE	907_2	Done
620	XSV2043	NATURAL GAS TO SULFER FEED LINE	ON-OFF VALVE	201_1	Done
621	XZV2039	NATURAL GAS TO H - 213 SECOND BLOCK VALVE	ON-OFF VALVE	201_1	Done
622	XZV2037	NATURAL GAS TO H - 213 FIRST BLOCK VALVE	ON-OFF VALVE	201_1	Done
623	PSH2195	RD-207 C - 280 TO FLARE	LIMITSWITCH	208_1	Done
624	PSHL9772	JOCKEY PUMP PRESS. CONTROL	PRESS. SWITCH	917_1	Done
625	XS5010	RUPTURE DISC RD - 501 T - 570	PRESS. SWITCH	501_1	Done
626	PSL5170	INSTRUMENT AIR HEADER	PRESS. SWITCH	514_1	Done

627	LSH7006	T-760 CS2 FLARE RECEIVER	LEVEL SWITCH - TUNING FORK	704_1	Done
628	XS7123	RD-705 BURSTING	LIMITSWITCH	801_1	Done
629	PSH8507	STEAM 5 BAR EX HP STEAM REDUCER	PRESS. SWITCH	811_2	Done
630	LT9451	T-961 NITROGEN STORAGE TANK	LEVEL TRANSMITTER	912_1	Done
631	PSL9771	FIRE WATER OUTLET PRESS.	PRESS. SWITCH	917_1	Done
632	PY5160	H-541 STEAM CONDENSER INLET	I/P TRANSDUCER	512_1	Done
633	FT6170	CS2 TO T - 650 CS2 STORAGE TANK	FLOW X-MITTER-VORTEX	604_1	Done
634	TY5093	H-501 HOT GAS BYPASS	I/P TRANSDUCER	506_1	Done
635	LY5126	H-512 BFW TO CONDENSER #2	I/P TRANSDUCER	508_1	Done
636	PY5127	H-512 MP STEAM FROM CONDEN. #2	I/P TRANSDUCER	508_1	Done
637	PY5172	V-506 HP STEAM FROM STEAM DRUM	I/P TRANSDUCER	515_1	Done
638	LZV4080	no tag in dcs and pid	ON-OFF VALVE	402_1	Done
639	PT4067	V-430 STILL REFLUX VESSEL	PRESSURE TRANSMITTER	402_2	Done
640	PSH9752	DELUGED ACTIVATED - CS2 LOADING	PRESS. SWITCH	917_1	Done
641	PSH9758	DELUGED ACTIVATED - CS2 CHECK TANKS	PRESS. SWITCH	917_1	Done
642	PSH9777	DELUGED ACTIVATED - CS2 CHECK TANKS	PRESS. SWITCH	917_1	Done
643	PI2015	H-211 BOILER WATER	BUORDON TUBE	201_1	Done
644	PI2016	A-200 AIR	BELLOWS	201_1	Done
645	FICV2206	NITROGEN PURGE TO DP SAMPLE	FLOW INDICATOR	208_1	Done
646	PI3105	P-359 OUTLET	BUORDON TUBE	304_1	Done
647	PI3144	C-340 STEAM	BUORDON TUBE	305_1	Done
648	FICV3142	RV312 NITROGEN PURGE TO FLARE	FLOW INDICATOR	305_1	Done
649	FICV3141	RV314 NITROGEN PURGE TO FLARE	FLOW INDICATOR	305_1	Done
650	PI4009	H-402 STABILIZER CONDENSER RAW CS2	DIAPHRGM SEAL	401_1	Done
651	PI4007	H-401 STABILIZER REBOILER RAW CS2	DIAPHRGM SEAL	401_1	Done
652	PI4074	H-421 STILL REBOILER TOP	DIAPHRGM SEAL	402_1	Done
653	PI4073	C-420 STILL BOTTOM	DIAPHRGM SEAL	402_1	Done
654	HY4080	C-420 BOTTOMS TO CONTAINER	SOLENOID VALVE	402_1	Done
655	FICV4087	RV-403 NITROGEN PURGE TO FLARE	FLOW INDICATOR	402_1	Done
656	PI4082	V-430 STILL REFLUX VESSEL NITROGEN	BUORDON TUBE	402_2	Done
657	PI4069	C-420 TOP STILL RAW CS2	DIAPHRGM SEAL	402_2	Done
658	FICV4086	RV-405 NITROGEN PURGE TO FLARE	FLOW INDICATOR	402_2	Done
659	PI6060	T-651 CS2	DIAPHRGM SEAL	602_1	Done

660	PI6113	P-683 CS2 VENT. SCRUBBER PUMP DISCHARGE RICH	BUORDON TUBE	603_1	Done
661	LI6105	C-680 CS2 VENT. SCRUBBER LEVEL	LEVEL INDICATOR	603_1	Done
662	FI6170	CS2 TO T - 650 CS2 STORAGE TANK	FLOW X-MITTER -dP CELL	604_1	Done
663	TI7014	A-770 FLARE STACK	TEMP. INDICATOR	704_1	Done
664	PI7068	NITROGEN	BUORDON TUBE	705_1	Done
665	PI7119	NITROGEN	BUORDON TUBE	706_1	Done
666	PI7112	GAS	BUORDON TUBE	706_1	Done
667	FI7104	NITROGEN	FLOW INDICATOR	706_1	Done
668	TY8506A	BFW TO D - 895 HP STEAM REDUCER	I/P TRANSDUCER	811_1	Done
669	TY8506B	BFW TO D - 895 HP STEAM REDUCER	I/P TRANSDUCER	811_1	Done
670	TT8506	STEAM 5 BAR EX HP STEAM REDUCER	TEMP. TRANSMITTER	811_1	Done
671	LI8601	T-873 DIESEL OIL TANK LEVEL	LEVEL INDICATOR	812_1	Done
672	LT8601	T-873 DIESEL OIL TANK LEVEL TRANSMITTER	LEVEL TRANSMITTER	812_1	Done
673	LSH9001	T-980 OILY WATER SUMP CS2 LEVEL	LEVEL SWITCH - CAPACITANCE	901_1	Done
674	TT9109	COOLING WATER EX.H - 900 COOLING TOWER	TEMP. TRANSMITTER	904_1	Done
675	TT9108	COOLING WATER TO H - 900 COOLING TOWER	TEMP. TRANSMITTER	904_1	Done
676	XSV9258	SAFETY SHOWER TANK	ON-OFF VALVE	907_2	Done
677	XY9258	PROCESS WATER TO T - 971 SAFETY SHOWER BUS	SOLENOID VALVE	907_2	Done
678	TSH9654	TEMP. SWITCH HI	TEMP. SWITCH	916_1	Done
679	TSH9653	TEMP. SWITCH HI	TEMP. SWITCH	916_1	Done
680	LY2114	BOILER FEED WATER TO H - 211	I/P TRANSDUCER	201_1	Done
681	PI7013	P-768 COLLECTION TANK PUMP DISCHARGE	DIAPHRGM SEAL	704_1	Done
682	FI7002	T-765 COLLECTION TANK SLOPS EX	FLOW INDICATOR	704_1	Done
683	FI7071	T-765 COLLECTION TANK SLOPS EX	FLOW INDICATOR	705_1	Done
684	XY8016	T-820 DEMIN WATER TANK	CONTROL VALVE	801_1	Done
685	LCV8003	T-820 DEMIN WATER TANK	CONTROL VALVE	801_1	Done
686	PI8133	Steam Boiler H-844	BUORDON TUBE	805_2	Done
687	PI8132	Steam Boiler H-844	BUORDON TUBE	805_2	Done
688	PI8130	Steam Boiler H-844	BUORDON TUBE	805_1	Done
689	XY8105	Steam Boiler H-844	CONTROL VALVE	805_1	Done
690	FT8104	NATURAL GAS TO H-844	FLOW X-MITTER - VORTEX	805_1	Done
691	LT8105	H-844 STEAM BOILER	LEVEL TRANSMITTER	805_1	Done
692	PT8106	STEAM EX. H - 884 STEAM BOILER	PRESSURE TRANSMITTER	805_1	Done

693	TT8107	STEAM EX. H - 844 STEAM BOILER	TEMP. TRANSMITTER	805_1	Done
694	PI8219	BOILER WATER	BUORDON TUBE	806_1	Done
695	PI8218	BOILER WATER	BUORDON TUBE	806_1	Done
696	PY8501A	STEAM 25 BAR TO HP STEAM REDUCER	I/P TRANSDUCER	811_1	Done
697	PT8501	HP - STEAM HEADER	PRESSURE TRANSMITTER	811_1	Done
698	LSL9009	T-985 WASTE WATER CHECK SUMP	LEVEL SWITCH - FLOAT	903_1	Done
699	LSL9008	T-985 WASTE WATER CHECK SUMP	LEVEL SWITCH - FLOAT	903_1	Done
700	LSL9007	T-985 WASTE WATER CHECK SUMP	LEVEL SWITCH - FLOAT	903_1	Done
701	PI9107	COOL. WATER	BUORDON TUBE	904_1	Done
702	PI9106	COOL. WATER	BUORDON TUBE	904_1	Done
703	FT9102	COOLING WATER EX. A - 900 COOLING WATER	FLOW X-MITTER -dP CELL	904_1	Done
704	FI9103	T907 TO DRAIN	FLOW INDICATOR	904_1	Done
705	PI9256	WATER	BUORDON TUBE	907_1	Done
706	PI9403	NITROGEN	BUORDON TUBE	909_1	Done
707	PI9010	WATER	BUORDON TUBE	903_1	Done
708	PI5013	NITROGEN	BUORDON TUBE	501_1	Done
709	PI5012	SULFUR	DIAPHRGM SEAL	501_1	Done
710	LI4095	V-450 LEVEL	LEVEL INDICATOR	402_1	Done
711	FI5001	Nitrogen to T-570 sulphur tank	FLOW INDICATOR	501_1	Done
712	LI7008	T-760 CS2 FLARE RECEIVER	LEVEL INDICATOR	704_1	Done
713	LI7007	T-765 COLLECTION TANK	LEVEL INDICATOR	704_1	Done
714	LI4085	H-422 STILL CONDENSER	LEVEL INDICATOR	402_2	Done
715	LI4065	V-430 STILL REFLUX VESSEL	LEVEL INDICATOR	402_2	Done
716	LSH6005	T-611 CS2 DAY PIT LEVEL	LEVEL SWITCH - CAPACITANCE	601_1	Done
717	LSL5005	RECOVERED SULFUR TANK BASIN	LEVEL SWITCH - CAPACITANCE	501_1	Done
718	XS7015A	A-770 FLARE STACK FLAME DETECTOR	LAMP	704_2	Done
719	XS7015B	A-770 FLARE STACK FLAME DETECTOR	LAMP	704_2	Done
720	PI9776	Pressure gauge at DV-5 deluge valve	PRESSURE GAUGE	917_2	Done
721	PI8504	STEAM 5 BAR to Header	HP STEAM	916_1	Done
722	TT2199	V-281 CS2 SCRUBBER REBOILER	TEMP. TRANSMITTER	208_1	Done
723	FI8215	steam to t 830	FLOW INDICATOR	806_1	Done
724	QY9655	E/P POSITIONER	POSITIONER	916_1	Done
725	TT3042	RICH OIL EX C - 320 ABSORBER	TEMP. TRANSMITTER	302_1	Done

726	TT3134	CS2 EX H - 342 OVERHEAD COOLER	TEMP. TRANSMITTER	305_1	Done
727	TT2016	A-200 AIR	TEMP. TRANSMITTER	201_1	Done
728	TE2016	A-200 AIR	TEMP. SENSOR	201_1	Done
729	TT2029A	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
730	TT2030A	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
731	TSH2048	A-200 FURNACE, FLUE GAS AFTER DAMPER	RELAY CONTACT	201_1	Done
732	FY2004	NATURAL GAS TO H - 215 TO PASS 1	I/P TRANSDUCER	201_1	Done
733	XE2352	A-200 FURNACE PACKAGE	Ignitor	202_1	Done
734	XE2354	A-200 FURNACE PACKAGE	Ignitor	202_1	Done
735	XE2356	A-200 FURNACE PACKAGE	Ignitor	202_1	Done
736	XE2358	A-200 FURNACE PACKAGE	Ignitor	202_1	Done
737	HS2170	V-270 VENT LINE ON/OFF	PUSH BUTTON	207_1	Done
738	XY2170B	XSV-2170 ON-OFF VALVE - CLOSE	SOLENOID VALVE	207_1	Done
739	FCV2173	N2 TO T750	ROTAMETER	207_1	Done
740	LY3128	LEAN OIL EX H - 362 LEAN OIL COOLER	I/P TRANSDUCER	303_1	Done
741	HS4080O	C-420 BOTTOMS TO CONTAINER	PANEL PUSH BUTTON	402_1	Done
742	HS4080C	C-420 BOTTOMS TO CONTAINER	PANEL PUSH BUTTON	402_1	Done
743	PC4070	V-430 STILL REFLUX VESSEL	PRESSURE REGULATOR LOCAL	402_2	Done
744	ZI5030	UV-5030 STATUS, S-509 INLET K.O DRUM	DCS INDICATOR	502_1	Done
745	ZSC5030	UV5030FEED BACK	LIMIT SWITCH	502_1	Done
746	ZSO5030	UV5030FEED BACK	LIMIT SWITCH	502_1	Done
747	HS5030	PB TO OPEN CLOSE UY5030	PUSH BUTTON	502_1	Done
748	VSH5045	K-504 VIBRATION ALARM	VIBRATION SWITCH	503_1	Done
749	VSH5047	K-503 VIBRATION ALARM	VIBRATION SWITCH	503_1	Done
750	ZSL5053	feed back of FV5050	LIMIT SWITCH FEED BACK	504_1	Done
751	FV5078	F-500 STEAM TO R.F. BURNER	CONTROL VALVE	505_1	Done
752	PCV5521	INSTRUMENT AIR FIR IGNITOR PURGE	PRESSURE REGULATOR LOCAL	505_1	Done
753	FV5077	NITROGEN TO FIRE BOX F-500	control valve	505_1	Done
754	LCV5126	H-512 BFW TO CONDENSER #2	CONTROL VALVE	508_1	Done
755	XY5198	Instrument air to FD incin	SOLENOID VALVE	510_1	Done
756	AT5250A	A-560 LOW SO2 ANALYZER	ANALYZER - SO2	510_1	Done
757	AT5250B	A-560 HIGH SO2 ANALYZER	ANALYZER - SO2	510_1	Done
758	AT5250C	A-560 O2 ANALYZER	ANALYZER - O2	510_1	Done

759	PCV5641	instrument air to ignitor	pressure regulator local	510_1	Done
760	BY5223	ignitor for ncin	ignitor	510_1	Done
761	VSH5162	H-541 STEAM CONDENSER	VIBRATION SWITCH	512_1	Done
762	PV5172	V-506 HP STEAM FROM STEAM DRUM	CONTROL VALVE	515-1	Done
763	XY6071	T-660 CS2 STORAGE TANK CS2 INLET	Solenoid valve	602_1	Done
764	HS6061	T-650 CS2 STORAGE TANK CS2 INLET	PUSH BUTTON	602_1	Done
765	HY6062	T-650 CS2 STORAGE TANK TANK PIT	SOLENOID VALVE	602_1	Done
766	HS6061O	T-650 CS2 STORAGE TANK CS2 INLET	PUSH BUTTON	602_1	Done
767	HS6061C	T-650 CS2 STORAGE TANK CS2 INLET	PUSH BUTTON	602_1	Done
768	HSV6072	T-600 PAD WATER TANK	ON-OFF VALVE	602_1	Done
769	XSV6073	T-600 PAD WATER TANK	ON-OFF VALVE	602_1	Done
770	XY6073	T-600 PAD WATER TANK	SOLENOID VALVE	602_1	Done
771	HS6061OC	T-650 CS2 STORAGE TANK CS2 INLET	PANEL PUSH BUTTON	602_1	Done
772	HS6062O	T-650 CS2 STORAGE TANK TANK PIT	PANEL PUSH BUTTON	602_1	Done
773	HS6062C	T-650 CS2 STORAGE TANK TANK PIT	PUSH BUTTON	602_1	Done
774	LY6051SOV	T-600 PAD WATER TANK	SOLENOID VALVE	602_1	Done
775	XSV6230	T-600 PAD WATER TANK	ON-OFF VALVE	603_1	Done
776	FT6101	TANK CAR CS2	VORTEX FLOW METER	603_1	Done
777	XY6118	C-680 CS2 VENT CSRUBBER LEAN OIL	SOLENOID VALVE	603_1	Done
778	LSH6163	S-670 LEVEL LOW	LEVEL SWITCH	604_1	Done
779	TCV7058	NON CONDENSABLES EX H - 782 TO J - 788	CONTROL VALVE	705_1	Done
780	FT7101	WASTE WATER TO H-781 STRIPPER	FLOW X-MITTER -dP CELL	706_1	Done
781	TT7116	FURNACE PROCESS	TEMP. TRANSMITTER	706_1	Done
782	TT7118	FURNACE PROCESS	TEMP. TRANSMITTER	706_1	Done
783	PI7103	STEAM	PRESSURE GAUGE	706_1	Done
784	XY8016i/p	T-820 DEMIN WATER TANK	I/P TRANSDUCER	801_1	Done
785	LCV8105	H-844 STEAM BOILER	CONTROL VALVE	805_1	Done
786	HCV8109	H-844 STEAM BOILER	ON-OFF VALVE	805_1	Done
787	XY8109	H-844 STEAM BOILER	SOLENOID VALVE	805_1	Done
788	FT8025	T-830 DEAERATOR	VORTEX FLOW METER	806_1	Done
789	PT8267	P827 P827 DISCHARGE PRESSURE	PRESSURE TRANSMITTER	811_1	Done
790	PCV8267	P827 P827 DISCHARGE PRESSURE	CONTROL VALVE	811_1	Done
792	XS9112	GENERAL ALARM A - 910 COOLING WATER CHEMICAL DOSING	RELAY CONTACT	904_1	Done

793	XS9140	COOLING WATER FAN	VIBRATION SWITCH	904_1	Done
794	PI9113	WATER TO COOLING TOWER	PRESSURE GAUGE	904_1	Done
795	PI9913	WATER TO COOLING TOWER	PRESSURE GAUGE	904_1	Done
796	TIAH9901	WATER TO COOLING TOWER	TEMP. TRANSMITTER	904_1	Done
797	XS9940	VIBRATION SWITCH P 908	VIBRATION SWITCH	904_1	Done
798	LAS9941	P 908 OIL LEVEL ALARM	LIMIT SWITCH	904_1	Done
799	XSV9139	S917 FILTER DRAIN VALVE	ON-OFF VALVE	904_1	Done
800	XY9139	S917 FILTER DRAIN SOLENOID VALVE	SOLENOID VALVE	904_1	Done
801	PDS9119	PRESSURE DIFFERENTIAL FILTER	DP SWITCH	904_1	Done
802	PI9108	PRESSURE GAUGE	PRESSURE GAUGE	904_1	Done
803	LCV9904	T908 PROCESS WATER	CONTROL VALVE	904_1	Done
804	PI9906	COOLING TOWER PRESSURE GAUGE	PRESSURE GAGE	904_1	Done
805	PI9907	COOLING TOWER PRESSURE GAUGE	PRESSURE GAGE	904_1	Done
806	PI9909	COOLING TOWER PRESSURE GAUGE	PRESSURE GAGE	904_1	Done
807	PI9910	COOLING TOWER PRESSURE GAUGE	PRESSURE GAGE	904_1	Done
808	FISA9102	P904 DISCHARGE FLOW	FLOW SWITCH	904_1	Done
809	TIA9109	P904 DISCHARGE TEMPERATURE	RTD	904_1	Done
810	QE9146	COOLING WATER CHEMICAL DOSING	CONDUCTIVITY ANALYZER	904_2	Done
811	FS9147	COOLING WATER CHEMICAL DOSING	FLOW SWITCH	904_2	Done
812	XY9145	COOLING WATER CHEMICAL DOSING	SOLENOID VALVE	904_2	Done
813	FT9144	COOLING WATER CHEMICAL DOSING	FLOW METER	904_2	Done
814	LI9148	COOLING WATER CHEMICAL DOSING	CALIBRATION POT	904_2	Done
815	LI9149	COOLING WATER CHEMICAL DOSING	CALIBRATION POT	904_2	Done
816	FT9143	COOLING WATER CHEMICAL DOSING	FLOW METER	904_2	Done
817	LI9150	COOLING WATER CHEMICAL DOSING	CALIBRATION POT	904_2	Done
818	XT9150	COOLING WATER CHEMICAL DOSING	TIMER	904_2	Done
819	PI9201	P793 PRESSURE	PRESSURE GAUGE	906_1	Done
820	FQI9251B	PROCESS WATER FLOW FROM PUPUK KUJANG	VORTEX FLOW METER	907_1	Done
821	LI9512	WATER TREATMENT BUILDING NaCl TANK 1	LOCAL LEVEL GAUGE	907_3	Done
822	LI9513	WATER TREATMENT BUILDING NaCl TANK 1	LOCAL LEVEL GAUGE	907_3	Done
823	PI9508	PG AT V 958 WATER TREATMENT	PRESSURE GAUGE	907_3	Done
824	PS9508	PS AT V 958 WATER TREATMENT	PRESSURE GAUGE	907_3	Done
825	PI9503	PG AT V 956 WATER TREATMENT	PRESSURE GAUGE	907_3	Done

826	PI9504	PG AT V 957 WATER TREATMENT	PRESSURE GAUGE	907_3	Done
827	LI9506	T955 LEVEL GAUGE	LOCAL LEVEL GAUGE	907_3	Done
828	PI9507	P 953 PRESSURE GAUGE	PRESSURE GAUGE	907_3	Done
829	FCV9510	WATER TO T 955	CONTROL VALVE	907_3	Done
830	LCV9502	P973 TO T955	LEVEL TRANSMITTER	907_3	Done
831	QI9303	INSTRUMENT AIR UNIT	DEW POINT ANALYZER	908	Done
832	PT9305	INSTRUMENT AIR UNIT	HEADER PRESSURE	908	Done
833	QI9304	INSTRUMENT AIR UNIT	DEW POINT ANALYZER	908	Done
834	PT9401	N2 BACK UP FOR AIR INSTRUMENT	PRESSURE TRANSMITTER	909	Done
835	PI9452	NITROGEN PRESSURE	PRESSURE GAUGE	912	Done
836	LIA9461	LIN STORAGE LEVEL	LEVEL TRANSMITTER	912_1	Done
837	PCV9454	LOCAL PRESSURE REGULATOR N2 TO PLANT	LOCAL REGULATOR	912	Done
838	PI9459	LIN STORAGE PRESSURE	PRESSURE GAUGE	912	Done
839	XSV3138	STRIPPER OVERHEAD EX. H - 342 OVERHEAD CONDENSER	ON-OFF VALVE	305_1	Done
840	PIT09	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
841	PIT02	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
842	PDT01	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
843	PIT07	Vacum Compressor	PRESSURE TRANSMITTER	P069-P001	Done
846	TT2139	PRODUCT EX H - 207 SULFUR CONDENSER	TEMP. TRANSMITTER	206_1	Done
847	TT2197	C-280 BOTTOM CS2 SCRUBBER	TEMP. TRANSMITTER	208_1	Done
848	TT2198	V-281 CS2 SCRUBBER REBOILER	TEMP. TRANSMITTER	208_1	Done
849	XSV3139	RAW CS2 TO C - 340 STRIPPER	ON-OFF VALVE	305_1	Done
850	LT2134	H-207 SULFUR CONDENSER	LEVEL X-MITTER - DIFF. PRESSURE	206_1	Done
851	LCV2134	H-207 SULFUR CONDENSER LEVEL VALVE	CONTROL VALVE	206_1	Done
852	LSH2192	C-280 CS2 SCRUBBER	LEVEL SWITCH - CAPACITANCE	208_1	Done
853	TT2200	CS2 EX H - 282 PRIMARY CS2 CONDENSER	TEMP. TRANSMITTER	208_1	Done
854	XSV2202	CS2 & H2S EX V-285 to H-302	ON-OFF VALVE	208_1	Done
855	XSV2203	CS2 TO V - 285	ON-OFF VALVE	208_1	Done
856	PCV3033	C-320 OVERHEAD TO FLARE	CONTROL VALVE	302_1	Done
857	UY5084	F-500 COMB. AIR TO MAIN BURNER,	Solenoid valve	505_1	Done
858	TT7115	SOUR WATER TO FURNACE BLOWING LINE	TEMP. TRANSMITTER	706_1	Done
859	FCV3026	LEAN OIL TO C - 320 ABSORBER	CONTROL VALVE	302_1	Done
860	PCV3032	C-320 ABSORBER OVERHEAD	CONTROL VALVE	302_1	Done

861	TT4075	CS2 EX H - 422 STILL CONDENSER	TEMP. TRANSMITTER	402_2	Done
862	PT3032	C-320 OVERHEAD TO FLARE	PRESSURE TRANSMITTER	302_1	Done
863	XSV3054	C-320 ABSORBER H2S BYPASS TO FLARE	ON-OFF VALVE	302_1	Done
864	LSV2135	H-207 SULFUR CONDENSER	ON-OFF VALVE	206_1	Done
865	TT3040	H2S - CS2 FEED C - 320 ABSORBER	TEMP. TRANSMITTER	302_1	Done
866	TT3041	C-320TOP ABSORBER	TEMP. TRANSMITTER	302_1	Done
867	TT3133	C-340 STRIPPER TOP	TEMP. TRANSMITTER	305_1	Done
868	FCV4001	RAW CS2 TO C - 400 STABILIZER	CONTROL VALVE	401_1	Done
869	TT4010	C-400 STABILIZER RAW CS2 FEED	TEMP. TRANSMITTER	401_1	Done
870	PT3033	C-320 ABSORBER OVERHEAD	PRESSURE TRANSMITTER	302_1	Done
871	XSV3050	C-320 ABSORBER H2S-CS2 FEED	ON-OFF VALVE	302_1	Done
872	FT4051	C-420 STILL REFLUX	FLOW X-MITTER - VORTEX	402_1	Done
873	FCV4051	C-420 STILL REFLUX	CONTROL VALVE	402_1	Done
874	LCV4084	H-422 STILL CONDENSER	CONTROL VALVE	402_2	Done
875	XY2060	Steam to H 213	Solenoid valve	201_1	Done
876	XZV2060	Steam to H 213	ON-OFF VALVE	201_1	Done
877	XY2066	N2 to H213	Solenoid valve	201_1	Done
878	XZV2066	N2 to H213	ON-OFF VALVE	201_1	Done
879	TT4077	V-430 STILL REFLUX VESSEL	TEMP. TRANSMITTER	402_2	Done
880	FI1001	T-100 N2ITROGEN TO VENT GAS LINE EX	FLOW INDICATOR	101_1	Done
881	LS1003	T-100 SULFUR STORAGE TANK	CAPACITANCE LEVEL SWITCH	101_1	Done
882	PSV1006	P-108 SULFUR UNLOADING PUMP DISCHARGE	ON-OFF VALVE	101_1	Done
883	PT2008	A-200 FURNACE , FIREBOX PRESSURE	PRESSURE TRANSMITTER	201_1	Done
884	TT2024	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
885	TT2025	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
886	TT2026	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
887	TT2027	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
888	TT2028	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
889	TT2029	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
890	TT2030	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
891	TT2031	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
892	TT2032	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
893	TT2033	H-215 PASS	TEMP. TRANSMITTER	201_1	Done

894	TT2034	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
895	TT2035	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
896	XZV2040	CS2 START - UP TO H - 213	ON-OFF VALVE	201_1	Done
897	XSV2042	NATURAL GAS TO H - 215 PASS	ON-OFF VALVE	201_1	Done
898	PSH2044	RD-204, DISC RUPTURED ALARM	PRESS. SWITCH	201_1	Done
899	TT2045	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
900	TT2046	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
901	TT2047	H-215 PASS	TEMP. TRANSMITTER	201_1	Done
902	TT2048	A-200 FURNACE, FLUE GAS AFTER DAMPER	TEMP. TRANSMITTER	201_1	Done
903	TT2049	A-200 FURNACE, FLUE GAS AFTER DAMPER	TEMP. TRANSMITTER	201_1	Done
904	TT2051	FLARE GAS, TOP OF FURNACE	TEMP. TRANSMITTER	201_1	Done
905	TT2053	A-200 FURNACE, CONVECTION SECTION	TEMP. TRANSMITTER	201_1	Done
906	TT2055	SULFUR COIL	TEMP. TRANSMITTER	201_1	Done
907	TT2056	FLUE GAS	TEMP. TRANSMITTER	201_1	Done
908	TT2057	A-200 FURNACE, CONVECTION SECTION	TEMP. TRANSMITTER	201_1	Done
909	TT2058	RADIANT SECTION	TEMP. TRANSMITTER	203_1	Done
910	LSV2115	BOILER FEED WATER TO H - 211	ON-OFF VALVE	201_1	Done
911	LT4084	H-422 STILL CONDENSER	LEVEL X-MITTER - DIFF. PRESSURE	402_2	Done
912	TT5106	H-502 SULPHUR CONDENSER #1	TEMP. TRANSMITTER	507_1	Done
913	GSB2500C	XZV-2040, CS2 START UP VALVE CLOSE LIMIT SWITCH	PROX. SWITCH	201_1	Done
914	GSB2500O	XZV-2040, CS2 START UP VALVE OPEN LIMIT SWITCH	PROX. SWITCH	201_1	Done
915	PI1008	T-100 STEAM	BUORDON TUBE	101_1	Done
916	PI1016	T-100 NITROGEN	BUORDON TUBE	101_1	Done
917	PCV2008	A-200 FURNACE damper	SLIDE VALVE	201_1	Done
918	PY2008	A-200 FURNACE	I/P TRANSDUCER	201_1	Done
919	PCV4006	H-402 STABILIZER H2S / CS2 EX CONDENSER	CONTROL VALVE	401_1	Done
920	PT4006	H-402 STABILIZER CONDENSER H2S / CS2 EX	PRESSURE TRANSMITTER	401_1	Done
921	TT4014	H-402 STABILIZER CONDENSER H2S / CS2 EX	TEMP. TRANSMITTER	401_1	Done
922	PV5104	H-502 MP STEAM FROM CONDEN. #1	CONTROL VALVE	507_1	Done
923	PY5104	H-502 MP STEAM FROM CONDEN. #1	I/P TRANSDUCER	507_1	Done
924	PT4066	C-420 TOP STILL	PRESSURE TRANSMITTER	402_2	Done
925	LCV5105	H-502 BFW TO CONDENSER #1	CONTROL VALVE	507_1	Done
926	LT5032	S-509, INLET K.O. DRUM LEVEL	LEVEL X-MITTER - MAGNETIC	502_1	Done

927	LT5105	H-502 BFW TO CONDENSER #1	LEVEL X-MITTER - MAGNETIC	507_1	Done
928	LT5126	H-512 SULPHUR CONDENSER #2	LEVEL X-MITTER - MAGNETIC	508_1	Done
929	LT5148	H-522/532 SULPHUR CONDENSER 3/	LEVEL TRANSMITTER	508_1	Done
930	LSHH2115	V-260 FURNACE STEAM DRUM	LEVEL SWITCH - FLOAT	<u>201_1</u>	Done
931	LSHH5094	V-506 STEAM DRUM	LEVEL SWITCH	506_1	Done
932	LSLL5097	V-506 STEAM DRUM	LEVEL SWITCH	506_1	Done
933	FT2111	BOILER WATER DISCH. P - 263 / P - 264	FLOW X-MITTER -dP CELL	205_1	Done
934	FT3127	STEAM TO C - 340 STRIPPER	FLOW X-MITTER -dP CELL	305_1	Done
935	FT4002	STEAM TO H - 401 STABILIZER REBOILER	FLOW X-MITTER -dP CELL	401_1	Done
936	FT5038H	MAIN AIR TO R.F. BURNER	FLOW X-MITTER -dP CELL	503_1	Done
937	FT5038L	MAIN AIR TO R.F. BURNER	FLOW X-MITTER -dP CELL	503_1	Done
938	FT5050L	F-500 FUEL GAS TO R.F. BURNER	FLOW X-MITTER -dP CELL	504_1	Done
939	FT7051	PAD WATER TO C790	FLOW X-MITTER -dP CELL	705_1	Done
940	FT5035	S-509 INLET K.O DRUM OUTLET	FLOW X-MITTER -dP CELL	502_1	Done
941	FT5050H	F-500 FUEL GAS TO R.F. BURNER	FLOW X-MITTER -dP CELL	504_1	Done
942	TT3077	LEAN OIL EX H - 362 LEAN OIL COOLER	TEMP. TRANSMITTER	303_1	Done
943	FCV2001	SULFUR rO H-214	CONTROL VALVE	201_1	Done
944	FCV2005	NATURAL GAS TO H - 215 TO PASS 9	CONTROL VALVE	<u>201_1</u>	Done
945	LCV3030	C-320 ABSORBER	CONTROL VALVE	302_1	Done
946	FT3126	RAW CS2 TO C - 340 STRIPPER TOP	FLOW X-MITTER - VORTEX	305_1	Done
947	FCV3126	RAW CS2 TO C - 340 STRIPPER TOP	CONTROL VALVE	305_1	Done
948	FT4052	T-610 / 620 / 630 CS2	FLOW X-MITTER - VORTEX	402_2	Done
949	FCV4052	T-610 / 620 / 630 CS2	CONTROL VALVE	402_2	Done
950	FT4053	P-433/434 START - UP CS2 TO V - 285 / H - 213	FLOW X-MITTER - VORTEX	402_2	Done
951	FCV4053	P-433/434 START - UP CS2 TO V - 285 / H - 213	CONTROL VALVE	402_2	Done
952	LT4060	V-430 STILL REFLUX VESSEL	LEVEL X-MITTER - DIFF. PRESSURE	402_2	Done
953	LSLL4062	V-430 STILL REFLUX VESSEL	LEVEL SWITCH - FLOAT	402_2	Done
954	LSH4063	T-435 PIT (CS2 LEVEL)	LEVEL SWITCH - CAPACITANCE	402_2	Done
955	PCV4067	V-430 STILL REFLUX VESSEL	CONTROL VALVE	402_2	Done
956	FCV2004	NATURAL GAS TO H - 215 TO PASS 1	CONTROL VALVE	201_1	Done
957	PT2117	STEAM DRUM V - 260	PRESSURE TRANSMITTER	205_1	Done
958	FT2191	REFLUX TO C - 280	FLOW X-MITTER - VORTEX	208_1	Done
959	FCV2191	REFLUX TO C - 280	CONTROL VALVE	208_1	Done

960	LT4003	H-401 STABILIZER REBOILER	LEVEL X-MITTER - DIFF. PRESSURE	401_1	Done
961	LCV4003	H-401 STABILIZER REBOILER	CONTROL VALVE	401_1	Done
962	LCV5003	T-570 RECOVERED SULFUR TANK	CONTROL VALVE	501_1	Done
963	LT5003	T-570 RECOVERED SULFUR TANK	LEVEL X-MITTER - DIFF. PRESSURE	501_1	Done
964	LSH5005	RECOVERED SULFUR TANK BASIN	LEVEL SWITCH - FLOAT	501_1	Done
965	PT5006	T-570 RECOVERED SULFUR TANK	PRESSURE TRANSMITTER	501_1	Done
966	TT5008	T-570 LIQUID PHASE RECOVERED SULFUR TANK	TEMP. TRANSMITTER	501_1	Done
967	TT5009	T-570 VAPOUR PHASE RECOVERED SULFUR TANK	TEMP. TRANSMITTER	501_1	Done
968	FT6102	C-680 CS2 VENT SCRUBBER LEAN OIL INLET	FLOW X-MITTER -dP CELL	603_1	Done
969	LT3030	C-320 ABSORBER	LEVEL X-MITTER - DIFF. PRESSURE	302_1	Done
970	TT4013	C-400 STABILIZER OVERHEAD	TEMP. TRANSMITTER	401_1	Done
971	FI2131	H-207 BLOWDOWN	FLOW INDICATOR	206_1	Done
972	LT2193	V-281 CS2 SCRUBBER REBOILER	LEVEL X-MITTER - CAPACITANCE	208_1	Done
973	PSV3129	STEAM TO C - 340 STRIPPER	ON-OFF VALVE	305_1	Done
974	PT4005	H-401 STABILIZER REBOILER	PRESSURE TRANSMITTER	401_1	Done
975	TCV5093	R-510 H2S TO CLAUS CONVERTER	CONTROL VALVE	506_1	Done
976	TT5220	A-560 INCINERATOR STACK	TEMP. TRANSMITTER	510_1	Done
977	TT5222	A-560 INCINERATOR STACK	TEMP. TRANSMITTER	510_1	Done
978	HSV7105A	N2 / STEAM TO FURNACE A - 200 SOOT BLOWING	ON-OFF VALVE	706_1	Done
979	LSL9761	FIRE WATER STORAGE	LEVEL SWITCH - CAPACITANCE	917_1	Done
980	PSH9779	DELUDED ACTIVATED - PROD. UNIT GROUND FLOOR	PRESS. SWITCH	917_1	Done
981	LI2113	V-260 LEVEL INDICATOR	LEVEL INDICATOR	205_1	Done
982	PI3038	C-320 ABSORBER OVERHEAD H2S	BUORDON TUBE	302_1	Done
983	PI3053	C-320 ABSORBER OVERHEAD H2S	BUORDON TUBE	302_1	Done
984	YT5042LEL	ADA LEL DETECTION	COMB. GAS X-MITTER	508_1	Done
985	YT5042H2S	ADA H2S DETECTION	H2S TRANSMITTER	508_1	Done
986	PI6058	P-603 PAD WATER PUMP	BUORDON TUBE	603_1	Done
987	PI6059	P-604 PAD WATER PUMP	BUORDON TUBE	603_1	Done
988	XY6119	C-680 CS2 VENT CSRUBBER RICH OIL EX	SOLENOID VALVE	603_1	Done
989	FI7003	A-770 FLARE STACK NAT. GAS	FLOW INDICATOR	702_1	Done
990	PS7010	NATURAL GAS TO A - 770 FLARE	PRESSURE SWITCH	704_1	Done
991	PY7010-2	NATURAL GAS TO A - 770 FLARE	SOLENOID VALVE	704_1	Done
992	PY7010-1	NATURAL GAS TO A - 770 FLARE	SOLENOID VALVE	704_1	Done

993	FICV7021	T-750 SULFUR FLARE RECEIVER NITROGEN	FLOW INDICATOR	702_1	Done
994	XA7042	flare LCV Alarm	ANNUNCIATOR	NA	Done
995	HSV7105B	N2 / STEAM TO FURNACE A - 200 SOOT BLOWING	ON-OFF VALVE	706_1	Done
996	PI8503	STEAM	BUORDON TUBE	802_1	Done
997	TT2169	V-270 RECYCLE SULFUR VESSEL	TEMP. TRANSMITTER	207_1	Done
998	XV508	PSA UNIT	ON-OFF VALVE	XEBEC	Done
999	XV507	PSA UNIT	ON-OFF VALVE	XEBEC	Done
1000	PT510	PSA UNIT	PRESSURE TRANSMITTER	XEBEC	Done
1001	PCV500	PSA UNIT	CONTROL VALVE	XEBEC	Done
1002	XV090	PSA UNIT	ON-OFF VALVE	XEBEC	Done
1003	XV091	PSA UNIT	ON-OFF VALVE	XEBEC	Done
1004	QT10006	AG inlet	Analyzer	909_1	Done
1005	QT10007	CS2	Analyzer	909_1	Done
1006	10006 A/B	CH4 and CO2 Analyzer	Analyzer	909_1	Done
1007	QT2036	O2 IN FLUEGAS A - 200	Analyzer	201_1	Done
1008	AT5250 A/B/C	SO2 and O 2 Analyzer	Analyzer	510_1	Done
1009	XY3108	lean oil	ON-OFF VALVE	302_1	Done
1010	PIT10	PSA Unit	PRESSURE TRANSMITTER	XEBEC	Done
1011	TY5086	F-500 R.F. PILOT/MAIN FLAME	CONVERTER I/I SIG	503_1	Done
1012	YT5042B	ADA LEL DETECTION	SRU gas detection	508_1	Done
1013	PCV5201	F-500 FG TO INCINERATOR	LOCAL REGULATOR	503_1	Done
1014	YT5042A	ADA H2S DETECTION	SRU gas detection	508_1	Done
1015	XV506	PSA UNIT	CONTROL VALVE	XEBEC	Done