X-232
ID FAN
INLET DUCT

K-201
MAIN INDUCED
DRAFT FAN

X-233
STACK INLET
DUCT

X-202
STACK

P-214
STACK DRAIN
PUMP

FROM AFTERBURNER
D-034-PI-101
PRESSURE CONTROLLER

PC 1AO

I M 212-1

"F" "F"

II EI HC PB START STOP SS REMOTE LOCAL

VFD

"F" "F"

PC 1AI → II 2191

PC 1DI 1DO → UA 2191

PC 1DO 2DI → PB 2191 START STOP

PC 1AI → SI 2191

AR 2202 NOx → PC → AR 2202 AI 2202 AS 2202 NOx

AE 2202 B NOx — AT 2202 B NOx — AT 2202 A NOx — AE 2202 A NOx

AI 2198 CO_2 → PC → AR 2198 AI 2198 AS 2198 → AXT 2199 AXL 2199 COMBUSTION EFFICIENCY

AR 2198 CO_2

AE 2198 B CO_2 — AT 2198 B CO_2 — AT 2198 A CO_2 — AE 2198 A CO_2

AA 2199 CO → PC → AA 2199 HH

AI 2199 CO, AR 2199 CO → CO CORRECTED TO 7% O_2 → AR 2199 AI 2199 AS 2199 → UNCORRECTED CO

AE 2199 C CO — AT 2199 C CO — AT 2199 A CO — AE 2199 A CO

AE 2199 D CO — AT 2199 D CO — AT 2199 B CO — AE 2199 B CO

AR 2200 AI 2200 AS 2200 → PC

AR 2200 O_2

E UPS

AE 2200 B O_2 — AT 2200 B O_2 — AT 2200 A O_2 — AE 2200 A O_2

"F" "F"

PDT 2192 → PC 1AI → I 212-1

PDI 2192

"F" TE 2184 TT 2184 → PC 1AI → I → TI 2184 A-B BEARINGS

"F" TE 2185 TT 2185 → PC 1AI → I → TI 2185 A-F WINDINGS

TW 2201 TI 2201 PI 2197

EMERGENCY POWER M

FROM WET ELECTROSTATIC
D-034-PI-211
PRECIPITATOR

X-232

VSH 2186 "F" → PC 1DI → I → VAH 2186

VSH 2187 "F" → PC 1DI → I → VAH 2187

DRIP PAN
K-201

TYP 2

TO AREA CONTAINMENT SUMP

X-233

TI 2193 TW 2193

TO ATMOSPHERE

TW 2194 TE 2194 TT 2194 → PC 1AI → TI 2194 TR 2194 (1-5VDC) TI 2194

TW 2196

ANNUBAR

FE 2195 "F" FT 2195 → PC 1AI 1DO → FI 2195 FA 2195 L H FA 2195 FR 2195 (1-5VDC) FI 2195

VO-80 S A/S FC SV 2195 → PC 1DO → KC 2195 PURGE CYCLE TIME

TEST PORTS (TYP)

X-202

A/S

VG-10A

1"DW-855

TO W.E.S.P.
D-034-PI-211
CIRCULATION TANK

DRAIN PUMP
P-214

INTERLOCK

DESCRIPTION
M - MASTER INTERLOCK SYSTEM
212-1 SPEED OVERRUN PROTECTION

REVISIONS

NO	DESCRIPTION	DATE	BY	CHK	ELEC	MECH	STR	PROJ MGR
0	ISSUED FOR CONSTRUCTION	07-07-89	MU	IRB				JV
1	AS BUILT	06-27-91	DCP	JV		TB		
2	AS BUILT	10-14-91	DCP					CHW
3	AS BUILT	12-09-93	DCP					

REFERENCE DRAWINGS

DRAWING NO	TITLE

REGISTERED PROFESSIONAL ENGINEER
NO. 4036
JOHN M. VERANTI
UTAH
12-9-93
REGISTERED PROFESSIONAL ENGINEER
DATE:_____

APPROVALS

	BY	DATE
DRAWN	DCP	2-09-93
CHECKED		
LEAD ENG.		
ELEC CHECK		
MECH CHECK		
STRUCT CHECK		
PROJECT ENG		
PROJECT MGR		

CURRENT DRAWING STATUS

	BY	DATE
PRELIMINARY OR PLANNING		
APPROVED FOR FINAL DESIGN		
APPROVED FOR QUOTE/PURCH		
APPROVED FOR CONSTRUCTION		
AS-BUILT	CHW	12/9/93

CONSULTING ENGINEER

APTUS
11600 NORTH APTUS ROAD, ARAGONITE, UT. 84029 (801) 521-9040

TITLE
UTAH ENVIRONMENTAL SERVICE CENTER
INCINERATION PLANT FOR INDUSTRIAL WASTES
P&ID I.D. FAN AND STACK

FOR TOOELE SITE
CAD DISK FILE IH765J

SCALE	JOB NO	ENG. DWG NO	APTUS DWG NO	REV
NONE			D-034-PI-212	3