PSI CDS

ZSC109 BLK WHT

ZSO109 BLK WHT

Connected to Mechanical Room Rack; See dwg D961315-A-C.

10" Pumpout Port Valve

PSI CDS

ZSC160 BLK WHT 163 164

ZSO160 BLK WHT 165 166

K20 K19 J1-20 J1-19 XY212-1 CH. 06

K21 K22 J1-21 J1-22 XY212-1 CH. 07

+24VDC

6" Pumpout Port Valve

Turbo Pump Cart Monitoring

Connects to turbo pump cart cable; see drawing D961400-A-C.

QDP80 Pump Running	S01 S02	P01 P02	J1-01 J1-02 XY212-2 CH. 00
QDP80 Pump Temp. Hazard	S03 S04	P03 P04	J1-03 J1-04 XY212-2 CH. 01
STP200C Pump Accel.	S05 S06	P07 P08	J1-07 J1-08 XY212-2 CH. 02
N2 Flow Warning	S07 S08	P09 P10	J1-09 J1-10 XY212-2 CH. 03
STP200C Pump Normal	S09 S10	P13 P14	J1-13 J1-14 XY212-2 CH. 04
Safety Valve Open	S11 S12	P15 P16	J1-15 J1-16 XY212-2 CH. 05
Safety Valve Closed	S13 S14	P19 P20	J1-19 J1-20 XY212-2 CH. 06
Pump Cart ID	S21	P21 P22	J1-21 J1-22 XY212-2 CH. 07
	S22	P25 P26	J1-25 J1-26 XY212-2 CH. 08
	S23	P27 P28	J1-27 J1-28 XY212-2 CH. 09
		+24VDC	
	S24	P49	
Cold Cathode Guage	S15 S16	H19 H20	P3-10A P3-10C 3113-0 CH. 41
Pirani Gauge A1	S17 S18	H21 H22	P3-11A P3-11C 3113-0 CH. 42
Pirani Guage A2	S19 S20	H23 H24	P3-12A P3-12C 3113-0 CH. 43

Roughing Pump Cart Monitoring

Connects to roughing pump cart cable; see drawing D961402-A-C.

EDP200 Pump Running	T01 T02	P31 P32	J1-31 J1-32 XY212-2 CH. 10
EDP200 Pump Temp. Hazard	T03 T04	P33 P34	J1-33 J1-34 XY212-2 CH. 11
EH2600 Booster Running	T05 T06	P37 P38	J1-37 J1-38 XY212-2 CH. 12
Inlet Gate Valve Closed	T07 T08	P39 P40	J1-39 J1-40 XY212-2 CH. 13
Inlet Gate Valve Open	T09 T10	P43 P44	J1-43 J1-44 XY212-2 CH. 14
N2 Flow Warning	T11 T12	P45 P46	J1-45 J1-46 XY212-2 CH. 15
Pump Cart ID	T21	R03 R04	J2-03 J2-04 XY212-2 CH. 17
	T22	R07 R08	J2-07 J2-08 XY212-2 CH. 18
	T23	R09 R10	J2-09 J2-10 XY212-0 CH. 19
		+24VDC	
	T24	R49	
Pirani Gauge A1	T13 T14	H29 H30	P3-15A P3-15C 3113-0 CH. 46
Pirani Gauge A2	T15 T16	H31 H32	P3-16A P3-16C 3113-0 CH. 47

REFERENCE DRAWINGS			
DWG. NO.	DESCRIPTION	DWG. NO.	DESCRIPTION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±
FINISHED SURFACE RMS
BREAK CORNERS IN: OUT:
REMOVE ALL BURRS

DO NOT SCALE THIS DRAWING

USED ON:

NEXT ASS'Y:

ISSUE DESCRIPTION			
REV	DESCRIPTION	SHEETS EFFECTED	DATE
A	Initial Release per ECN E970001-00-C		1/3/97

CURRENT REVISION APPROVAL			
DRAWN TONY T.	GROUP CDS	SIGNATURE	DATE 9-9-96
CHECKED R. Bork			
DCC			

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VCMS ELECTRICAL DIAGRAM
WA LVEA Y ARM
DIAGONAL/VERTEX PUMP PORTS

SCALE	SIZE	DWG. NO.	REV.
-	B	D961336-A-C	00
CAD FILE 1336S1C0	SHEET 1 OF 1		VER. 01

1336S1C0
12-28-96 - 10:59