IOS: ISAC OFF-Line Ion Source

MCIS: Multi-charge Ion Source (Supernanogan Type)

Plan View

Olis HV Terminal

IOS-CCB1
IOS-XCB1
IOS-YCB1

PS Common to SS & MS and Beamline DB1 & DB3

IOS-B1A INS

TEE 10KV

Ballast Resistor

IOS-CB1APOS
IOS-CB1ANEG

IOS:PSWXCB1A

Polarity Switch
HV Relay
IOS-CB 1A

Cooled Collimator 0.875" dia.
Current R/B on SK16 (TB3-1)

IOS:SS IV0

IOS:SS FC0

IOS:Ionizer

IOS:OVEN

IOS:EESS

TEE 10KV

MCIS-SPUTP
MCIS-SPUTN
MCIS-OVEN
M-/TUNER
M-/SPUTTER

MCIS-IV-1

MCIS-EL-1

MCIS-CCB1
MCIS-XCB1
MCIS-YCB1

To Backing Pump

Hand Valve

IOS-YCB1A
IOS-XCB1A E
IOS-XCB1A W
IOS-Q1
IOS-Q2
IOS-Q3
IOS-MCol 3A
IOS-FC 3
IOS-YCB3

MCIS-Col 0
MCIS-FC 0
IOS-IV-0

D W d f d D

A B C

E Q1 Q2 Q3

DB 1

DB 3

B1A

IOS:PSWPE

IOS-PE

IOS-CCB 1

MCIS

(MCIS is on a removable cart)

Teflon Window

IOS-EE

TEE 10KV

Ballast Resistor

IOS-B1A OUT

P-438 CCT# 37/39/41 (60A)

BOP 439

Power to Rack 32A
(HV P/S for MCIS & MWS)
Ref: ISK4480D

IOS-ACHV

IOS-RF

MicroWave Generator 2.45 Ghz

IOS-Bias

REV	DATE	REVISION DESCRIPTION	BY	APP'D
			RD	
			RD	
			RD	
			RD	

TRIUMF 4004 WESBROOK MALL VANCOUVER, BRITISH COLUMBIA CANADA V6T-2A3 CANADA'S NATIONAL MESON FACILITY

OLIS Optics
With 3 ion Source: MS & MCIS & SS

DRAWN R. Dube	APPROVED	DWG NO.	REV
DATE 23/01/2104		ISK4586D	1