SIL Instrumentation move from 1st floor to basement

NOTE: all Ethernet drops will need to be routed to argenta

Number of Ethernet drops requested: 11

Parker Nitrogen Generator

Floor/counter space required: 75X50 cm

Power: none

Water: none

Gas: house compressed air

Ethernet: none

Lab HP Printer

Floor/counter space required: 44X50 cm

Power: 1 standard 120V outlet

Water: none

Gas: none

Ethernet: 1 drop

Small Lab refrigerator

Floor/counter space required: 60X48 cm

Power: 1 standard 120V outlet

Water: none

Gas: none

Ethernet: none

Thermo Scientific Oven

Floor/counter space required: 60 X 70 cm

Power: 1 standard 120 V outlet

Water: none

Gas: none

Ethernet: none

Agilent TOFMS

Floor/counter space required: LC + MS 170X85 cm, desk 76X153 cm, UPS 80X30 cm, roughing pump 45X35 cm

Power: UPS: 208V 30A, HPLC: 1 standard 120 V outlet

Water: none

Gas: nitrogen supplied by Parker nitrogen generator

Ethernet: 1 drop

Waters quadrupole MS

Floor/counter space required: LC + MS + computer 210X 80 cm, roughing pump 75X27 cm, UPS 65X27 cm

Power UPS: 208 V 30 A roughing pump requires: 1 standard 120 V outlet

Water: none

Gas: nitrogen supplied by Parker nitrogen generator

Ethernet: 1 drop

Thermo FTIR

Floor/counter space required: FTIR + UPS + Computer 184x90 cm

Power: 1 standard 120 V outlet

Water: none

Gas: nitrogen supplied by Parker nitrogen generator

Ethernet: 1 drop

Shimadzu UV/VIS

Floor/counter space required: computer + spectrometer 240X70 cm

Power: 3 standard 120 V outlet

Water: none

Gas: none

Ethernet: 1 drop

TA Instruments TGA and DSC

Floor/counter space required: TGA + DSC + computer 200X70 cm

Power: 2 standard 120 V outlet

Water: none

Gas: nitrogen supplied by Parker nitrogen generator

Ethernet: 1 drop

Agilent GCMS

Floor/counter space required: GCMS 125X75 cm, computer 65 X 70 cm

Power: 3 standard 120 V outlet, GC 120V 20 A circuit

Water: none

Gas: requires 1 helium cylinder

Ethernet: 1 drop

Agilent GC-FID

Floor/counter space required: GC + computer 100X60 cm

Power: computer 2 standard 120 V outlet, GC 120V 20 A circuit

Water: none

Gas: 1 He, 1 Air, 1 hydrogen cylinder

Ethernet: 1 drop

Horiba FluoroMax-3 Fluorimeter

Floor/counter space required: spectrometer + ups + computer 195X70 cm

Power: all power flows from UPS, ups requires: standard 120 V outlet

Water: none

Gas: none

Ethernet: 1 drop

Optimelt Melting Point

Floor/counter space required: 25X19 cm

Power: 1 standard 120 V outlet

Water: none

Gas: none

Ethernet: none

Barnstead water purification

Floor/counter space required: 46X65 cm

Power: 1 standard 120 V outlet

Water: house DI water

Gas: none

Ethernet: none

Bruker MALDI-TOFMS

Floor/counter space required: TOFMS 80X64 cm, desk 122X77cm

Power: 1 standard 120 V outlet

Water: none

Gas: none

Ethernet: 1 drop

Denton Metal Deposition Chamber

Floor/counter space required: 121X192 cm

Power: 208 V 30 A circuit

Water: 2 gallons per minute

Gas: house compressed air + filters

Ethernet: none

Peptide Synthesizer

Floor/counter space required: fridge 72X55cm, vortex 12X20 cm, solvent cabinet 47X110 cm, synthesizer + computer 180X130 cm

Power: 3 standard 120 V outlet

Water: none

Gas: 1 Nitrogen cylinder

Ethernet: none

Thermo React IR

Floor/counter space required in a hood: 180X80 cm

Power: 4 standard 120 V outlet

Water: none

Gas: 1 nitrogen cylinder

Ethernet: 1 drop

Renishaw Raman Microscope

Floor/counter space required: cart 152X92 cm, table 60X121 cm

Power: 4 standard 120 V outlet

Water: none

Gas: none

Ethernet: none

Bruker FTIR Microscope

Floor/counter space required: spectrometer + microscope + computer 215X75 cm

Power: 4 standard 120 V outlet

Water: none

Gas: 1 nitrogen cylinder

Ethernet: none