

## **Notes for MSE Building Programming**

### **Utilities and Room Layout Requirements**

#### **General Building Requirements**

- Acid waste treatment
- Electrical power distribution through Bus Duct system
- Individual electrical panels per lab
- Generator backup (120V, 208V)
- Prox card lab access all rooms
- Process chilled water continuous loop
- DI water continuous loop

#### **All wet labs need to include the following utilities:**

- Compressed air (95 psi)
- Vacuum (25 In H<sub>2</sub>O)
- Process chilled water
- 208 V 1 phase outlet at each end of overhead racks
- DI H<sub>2</sub>O (18 M-Ohm) faucet at each sink
- Plumbing for point of use DI polisher
- Hot/Cold building water
- Configurable lab benches for central equipment installations
- Gasketed vinyl wrap ceiling tiles
- Wire mold power/data distribution surrounding walls
- 24/7 HVAC option/control each individual lab
- Hose bib under sink

## Questions for specific lab/building requirements

**Note: The following question were posed to MSE faculty in the form of a survey. They were asked to indicate if they would require any of the following items/capabilities in their lab, and to provide any additional comments. The responses are provided in a two column format. Each row indicate this feature is required in an individual lab. The second column provides any specific information, if provided. There was a total of 15 individual faculty responses to the survey.**

### 1. Vibration isolation floors/systems

Vibration isolation floors/systems	
Vibration isolation floors/systems	While this is not housed in my lab, we need ground floor isolation for AFM, STM, TEM, SEM, optics tables, etc.
Vibration isolation floors/systems	for AFMs and lasers
Vibration isolation floors/systems	for thermal analysis and dilatometry equipment

### 2. Liquid N2 distribution

Liquid N2 distribution	
Liquid N2 distribution	LN2 to feed phase separator mounted in ceiling
Liquid N2 distribution	yes

### 3. Central compressed gas distribution, ie, Argon, N2, He

Central compressed gas distribution, ie, Argon, N2, He	N2 or Argon
Central compressed gas distribution, ie, Argon, N2, He	Ar, N2, Ar-5%H2
Central compressed gas distribution, ie, Argon, N2, He	
Central compressed gas distribution, ie, Argon, N2, He	Ar, N2, H2, CH4, C2H4
Central compressed gas distribution, ie, Argon, N2, He	Ultrahigh purity N2 and He gas. Can use cylinders if not available.
Central compressed gas distribution, ie, Argon, N2, He	Rather than building-wide, it may be more cost effective to have a manifold in each lab so that multiple cylinders can be used at the same time.
Central compressed gas distribution, ie, Argon, N2, He	
Central compressed gas distribution, ie, Argon, N2, He	would be nice, but not necessary
Central compressed gas distribution, ie, Argon, N2, He	yes

#### 4. Temp control specs

Temp control specs	70 F +/- 1 F
Temp control specs	Not essential, but 68F-75F is good for computers.
Temp control specs	
Temp control specs	+/- 1 degree (or less).
Temp control specs	
Temp control specs	+/- 1F 24/7/365 for lasers and AFMs (tighter control if possible; +/-0.1 is ideal, but expensive)
Temp control specs	This is critical +/- 1C is desired

#### 5. Humidity control specs

Humidity control specs	Not essential, but 40%-60% relative humidity is good for computers.
Humidity control specs	
Humidity control specs	Unknown at this time.
Humidity control specs	
Humidity control specs	might be nice, but not necessary
Humidity control specs	desirable

#### 6. Adjacent mechanical corridor servicing individual labs (ie, HPUs, Vac pumps etc)

Adjacent mechanical corridor servicing individual labs (ie, HPUs, Vac pumps etc)	
Adjacent mechanical corridor servicing individual labs (ie, HPUs, Vac pumps etc)	Vac pumps for CVD systems
Adjacent mechanical corridor servicing individual labs (ie, HPUs, Vac pumps etc)	Helium compressor, water chiller in adjacent (soundproofed?) corridor
Adjacent mechanical corridor servicing individual labs (ie, HPUs, Vac pumps etc)	I like this idea, but need to think about it more.
Adjacent mechanical corridor servicing individual labs (ie, HPUs, Vac pumps etc)	for laser systems
Adjacent mechanical corridor servicing individual labs (ie, HPUs, Vac pumps etc)	important for noise equipment

#### 7. Particle count requirements

Particle count requirements	It would be great if lab air was HEPA filtered
Particle count requirements	Mylar coated ceiling tiles are recommended to minimize debris in the lab.
Particle count requirements	might be nice, but not necessary
Particle count requirements	rad monitoring

8. Laminar flow requirements

Laminar flow requirements	Laminar flow hood - can be bench-top sized
Laminar flow requirements	for lasers
Laminar flow requirements	yes, but I can't specify

9. No or diffuse air flow requirements

No or diffuse air flow requirements	
No or diffuse air flow requirements	for lasers

10. Fume hood size, ie bench top, walk in

Fume hood size, ie bench top, walk in	Bench top
Fume hood size, ie bench top, walk in	regular
Fume hood size, ie bench top, walk in	
Fume hood size, ie bench top, walk in	Acid and Solvent hoods, bench top
Fume hood size, ie bench top, walk in	bench top
Fume hood size, ie bench top, walk in	Two chemical fume hoods (bench top).
Fume hood size, ie bench top, walk in	chemical fume hood
Fume hood size, ie bench top, walk in	yes, at least 4 chem hoods, numerous snorkles, 1 walk in

11. Laser rooms

Laser rooms	
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12. 408V 3 phase

408V 3 phase	
408V 3 phase	
408V 3 phase	for hot press

13. Dish washers (DI or city water)

Dish washers (DI or city water?)	DI is mandatory.
Dish washers (DI or city water?)	desirable, city water is fine

14. Tissue culture room or equipment

Tissue culture room or equipment	Ability to handle and culture a variety of Stem cells
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15. Specialized chemical handling, ie, radioactivity, energetic materials, flammable metals,...

Specialized chemical handling, ie, radioactivity, energetic materials, flammable metals	Flammable chemical storage cabinet
Specialized chemical handling, ie, radioactivity, energetic materials, flammable metals,	
Specialized chemical handling, ie, radioactivity, energetic materials, flammable metals	Ability to handle irradiated samples
Specialized chemical handling, ie, radioactivity, energetic materials, flammable metals,	rad materials possibly, perchloric acid would be nice
Specialized chemical handling, ie, radioactivity, energetic materials, flammable metals,	It would be nice to have the freedom to do radio labeling of DNA strands.
Specialized chemical handling, ie, radioactivity, energetic materials, flammable metals,	
Specialized chemical handling, ie, radioactivity, energetic materials, flammable metals,	hepa filter for radiorophoactive materials, gloveboxes for rad and pyrophoric materials, et

16. Specialized fire suppression needs ie, flammable cylinder storage, metal fire extinguishers, server rooms etc.

Specialized fire suppression needs ie, flammable cylinder storage, metal fire extinguishers, server rooms etc.	Storage for flammable chemicals and acids cabinet
Specialized fire suppression needs ie, flammable cylinder storage, metal fire extinguishers, server rooms etc.	
Specialized fire suppression needs ie, flammable cylinder storage, metal fire extinguishers, server rooms etc.	O2 cylinders
Specialized fire suppression needs ie, flammable cylinder storage, metal fire extinguishers, server rooms etc.	metal fire, flammable gases

17. Specialized needs for bio labs, DNA labs

Specialized needs for bio labs, DNA labs	DNA for nanopore experiments
Specialized needs for bio labs, DNA labs	Back-up power for low temperature freezer. An isolated room inside the lab for cell culturing and RNA-based work.

18. Anti-static flooring

Anti-static flooring	
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19. Chemical resistant sheet/cove base flooring

Chemical resistant sheet/cove base flooring	
Chemical resistant sheet/cove base flooring	For liquid spills.
Chemical resistant sheet/cove base flooring	desirable

20. Sound proofing

Sound proofing	
Sound proofing	for AFMs

21. Black out curtains

Black out curtains	
Black out curtains	
Black out curtains	for lasers
Black out curtains	yes, one laser system

22. Anticipated heat load per lab

Anticipated heat load per lab	2 HT furnaces
Anticipated heat load per lab	Unknown.
Anticipated heat load per lab	yes, numerous furnaces and heavy equipment

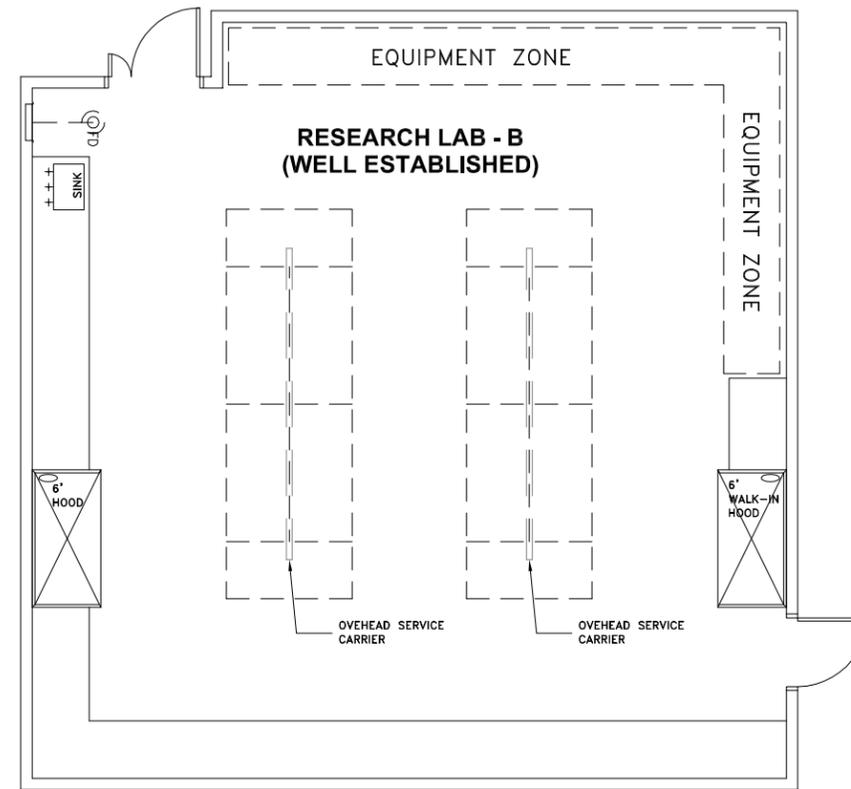
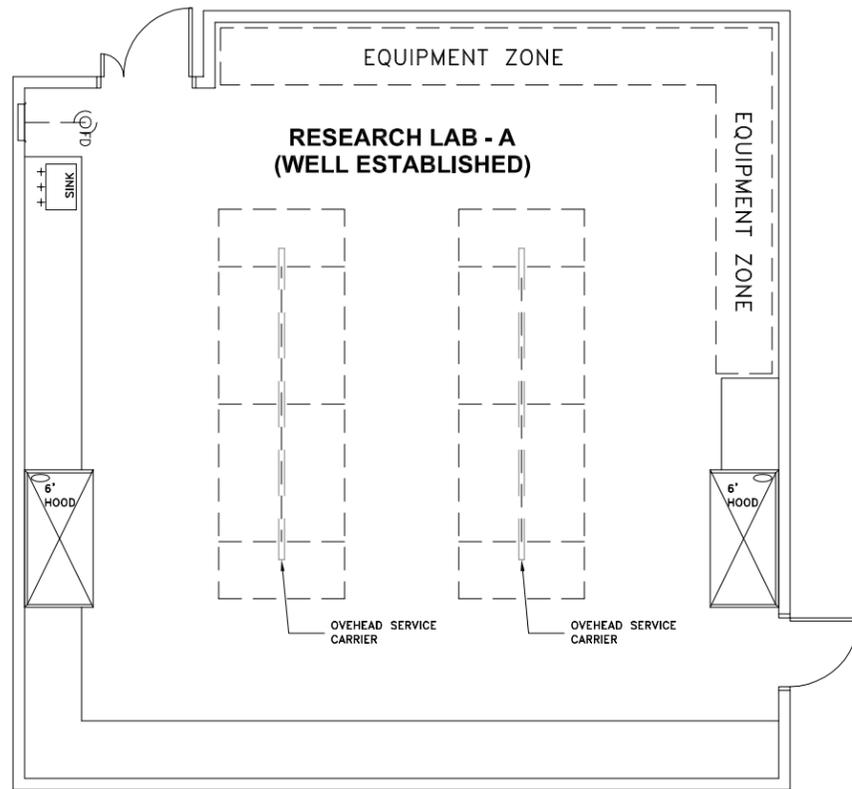
23. HVAC Snorkels

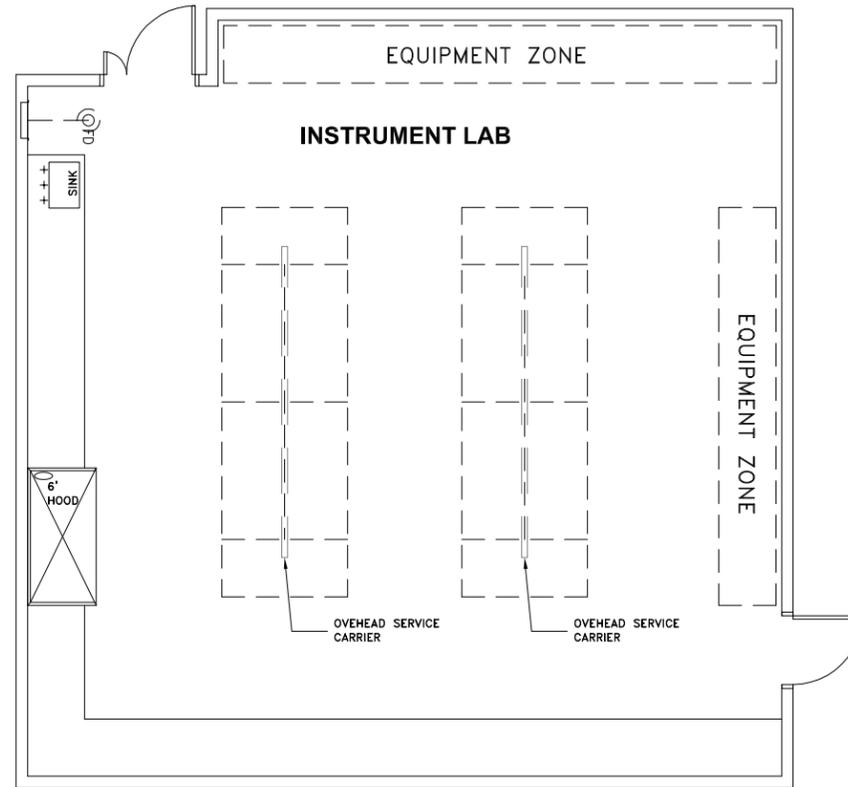
HVAC Snorkels	Not HVAC but exhaust
HVAC Snorkels	CVD exhaust
HVAC Snorkels	2 to 4 are recommended.

**The following provided by MSE faculty are general comments not directly linked to the above specific question. There is some duplication with the above information, but there also some unique input.**

Gas Cylinder Safety Cabinets, Chemical Storage
My lab is a computer lab. We need wired Ethernet connection and telephone in the lab.
Rather than a tissue culture room, there should be space for a low temperature freezer with back-up power. Back-up power is critical for our team because we do many over night runs. In addition the lab temperature and humidity should be constant year round - which has been a problem in ERB.

Exhaust/vent ports
Acces for extracting gases/fumes
Perchloric acid fume hood
(1) Fume Hoods / (2) Compressed nitrogen with lab specific manifold. / (3) coved flooring for liquid spills / (4) chemical resistant tabletop space with lip for spills. / (5) back-up power outlets for sensitive equipment (i.e. low temperature freezers, furnaces, etc.) / (6) snorkels for furnace exhaust. / (7) nanopure filtration system with UV.
Central compressed gas distribution, ie, Argon, N2, He / Temp control specs / Humidity control specs / Fume hood size, ie bench top, walk in / Chemical resistant sheet/cove base flooring / Exhaust/vent port
Fume hood capabilities / Wall chains for gas cylinders
420 V / 208 V 3 phase / snorkles / hazardous gas cabinets / chem hoods
House vacuum line / Fume hoods / Compressed air
Rough vacuum; dry nitrogen; compressed air; isolated slab lab floors; acoustically isolated lab walls; electromagnetically shielded lab walls; lab temperature at 70 F +/- 1 F or better, 24 hours per day, 7 days per week, including nights, weekends, holidays, breaks; low-particulate HVAC; low-particulate, sealed ceiling tiles; basement-level laboratory space.
Depending on existing computing facilities, it may make sense to have a modest server room with raised flooring and chilled air supply.
Central air conditioning / / Vibration-free and dust-free labs / / The exact specs of the chilled water loop are important if instruments from the BSCMC are ever located/relocated to this building.
(1) isolated slabs in the basement for vibration sensitive equipment (i.e. TEM, SEM, AFM, STM, etc.). / (2) a hot lab for nuclear work and radio-labeling. / (3) compressed gasses (air, nitrogen, etc) with local manifolds. / (4) covered flooring for liquid spills. /
Liquid N2 distribution / Vibration isolation floors/systems /
Chemical hood ventilation installed to every lab, ready to hook up to chemical hoods, if necessary. If this is not done during initial construction the cost will more than likely be too high to do it at a later time, for example when a growing faculty needs more labs with hoods,
Internet/Wireless
HEPA filtration / 420 V / zero particle ceiling tiles / equipment corridor / vibration isolation on portion of floor /





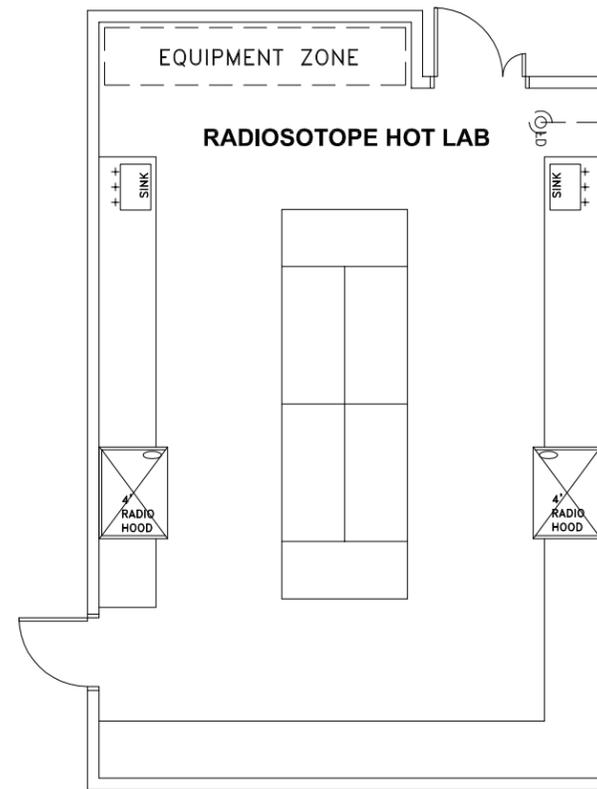
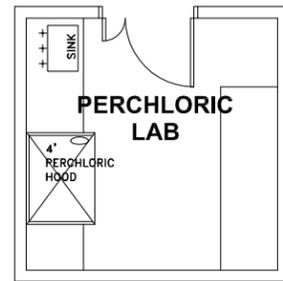
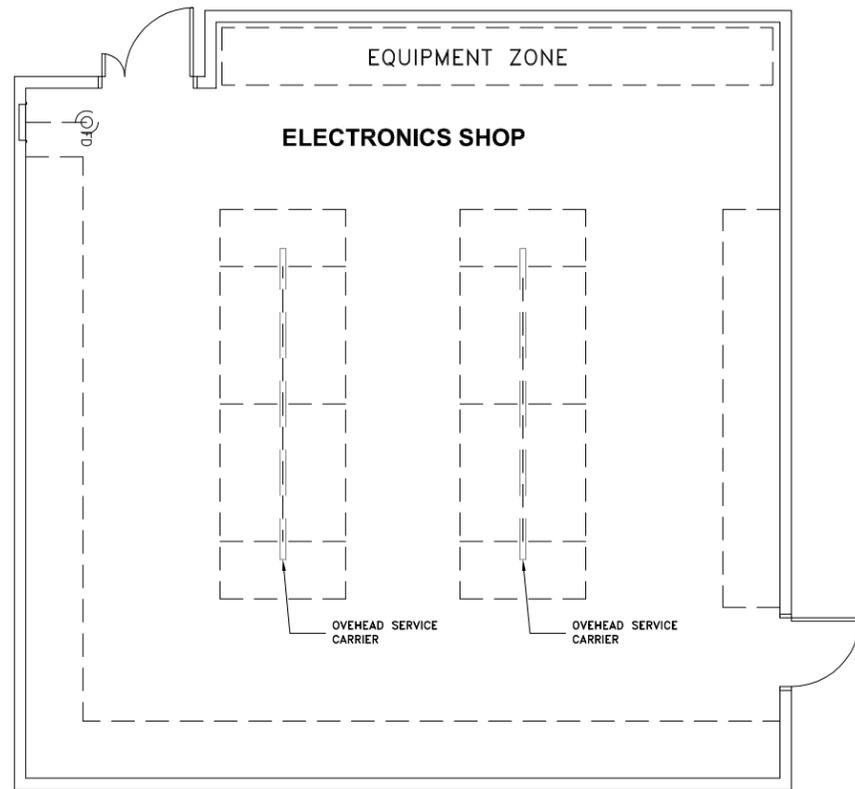
**Materials Science & Engineering Research Building -  
Programming/Concept Diagrams  
Boise State University  
Boise, Idaho**

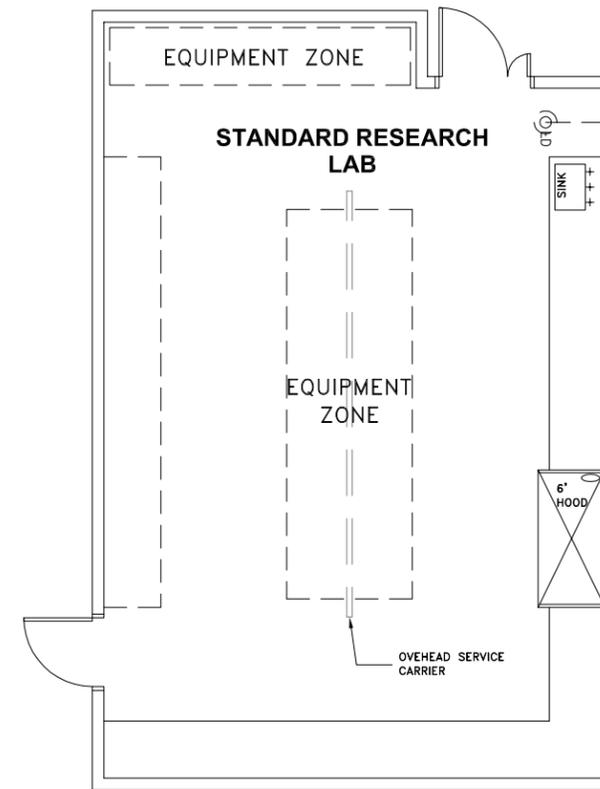
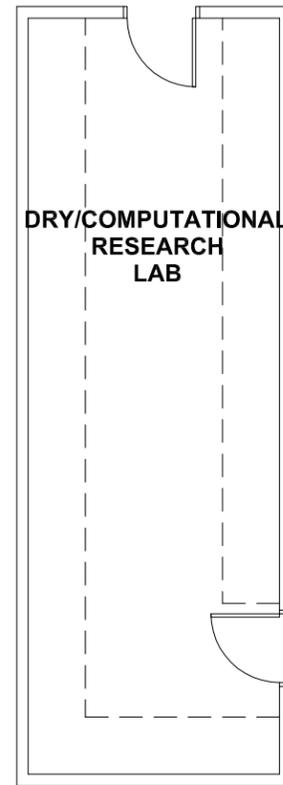
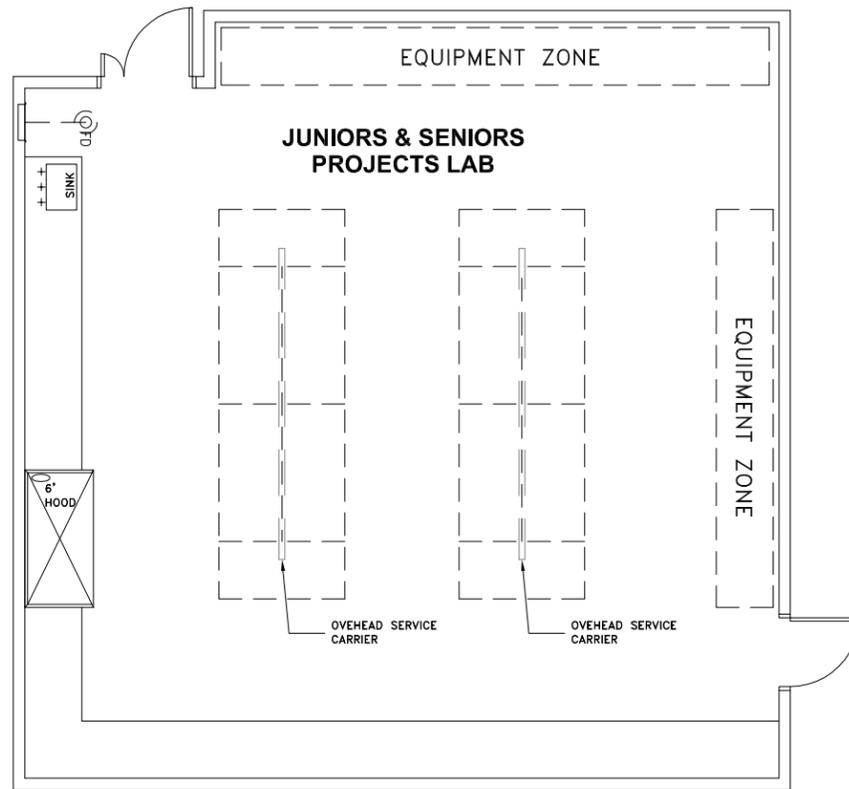
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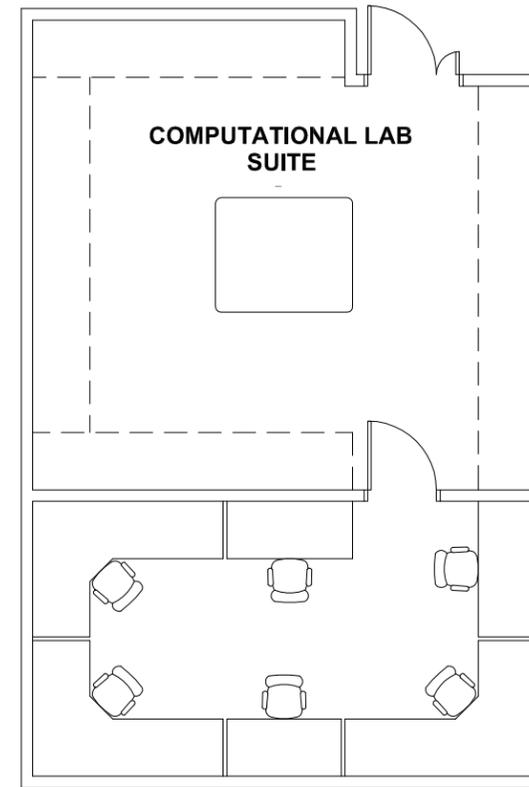
Revisions

Drawing No.

**2**







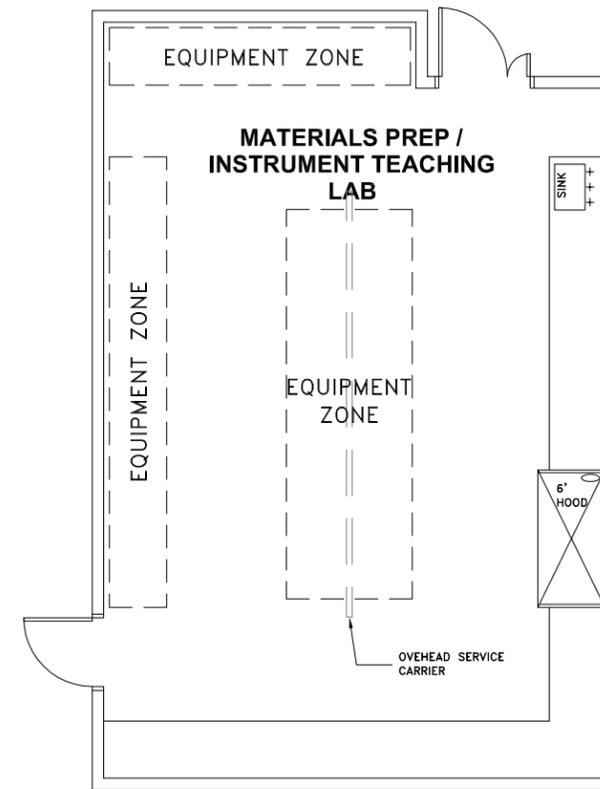
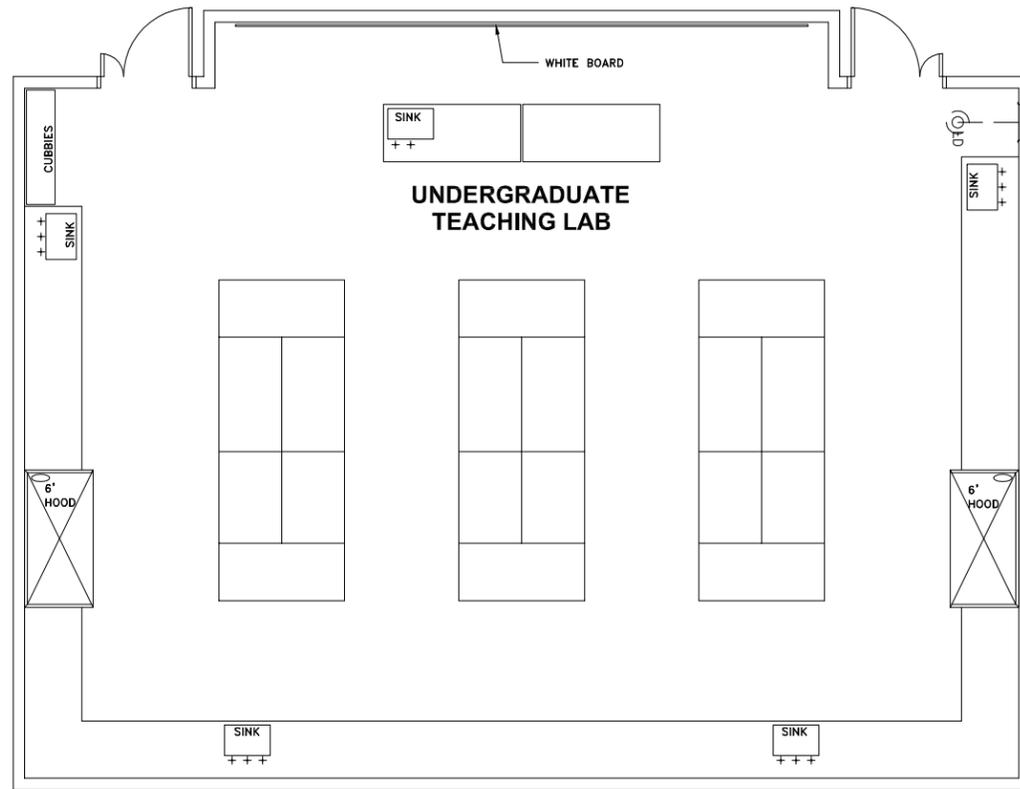
**Materials Science & Engineering Research Building -  
Programming/Concept Diagrams  
Boise State University  
Boise, Idaho**

Date: April 2, 2015

Revisions

Drawing No.

**5**



# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Admin. Assistant Workstation** Contact:

Room Size (ft <sup>2</sup> ):	<b>80</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>2</b>		
Critical Adjacencies:		Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>n/a</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>n/a</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>n/a</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>n/a</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>n/a</b>	Vibration Criteria:	<b>n/a</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Positive</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Furniture</b>	<b>OFOI</b>				
<b>Computer Workstation</b>	<b>OFOI</b>				


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Building Maintenance Office** Contact:

Room Size (ft <sup>2</sup> ):	<b>100</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Positive</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>n/a</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Furniture</b>	<b>OFOI</b>				
<b>Computer Workstation</b>	<b>OFOI</b>	<b>Yes</b>			


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Computational Lab** Contact:

Room Size (ft <sup>2</sup> ):	<b>660</b>	No. of Occupants:	<b>8 to 10</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>3</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Phenolic Resin</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>Metal</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30- 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Neutral</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Indirect/Dim.</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Furniture</b>	<b>OFOI</b>				
<b>Computer Workstations</b>	<b>OFOI</b>	<b>Yes</b>			


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Conference Room** Contact:

Room Size (ft <sup>2</sup> ):	<b>320</b>	No. of Occupants:	<b>12</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>3</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>25 - 30</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Positive</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>Yes</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>n/a</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Projection system</b>	<b>CFCI</b>	<b>Yes</b>			
<b>Projection Screen</b>	<b>CFCI</b>	<b>Yes</b>			
<b>Markerboards</b>	<b>CFCI</b>				
<b>Furniture</b>	<b>OFOI</b>				



# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Copy/Work Room** Contact:

Room Size (ft <sup>2</sup> ):	<b>110</b>	No. of Occupants:	<b>n/a</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>4</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>P.lam or solid surface</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>P.lam or wood</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT or Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Neutral</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>n/a</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Copy/Print/Scan Machine</b>	<b>OFOI</b>	<b>Yes</b>			


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Custodial Supplies Storage** Contact:

Room Size (ft <sup>2</sup> ):	<b>120</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>Single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>n/a</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>tbd</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>No</b>		
Plugmold (lf):	<b>tbd</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:


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# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Departmental Offices** Contact:  
**Admin. Workstations**

Room Size (ft <sup>2</sup> ):	<b>80</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>9</b>		
Critical Adjacencies:		Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>n/a</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>n/a</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>n/a</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>n/a</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>n/a</b>	Vibration Criteria:	<b>n/a</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Neutral</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Furniture</b>	<b>OFOI</b>				
<b>Computer Workstation</b>	<b>OFOI</b>				


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Departmental Offices** Contact:  
**Business Manager**

Room Size (ft <sup>2</sup> ):	<b>110</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>3</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Positive</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>n/a</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Furniture</b>	<b>OFOI</b>				
<b>Computer Workstation</b>	<b>OFOI</b>	<b>Yes</b>			




# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Department Offices** Contact:  
**Head**

Room Size (ft <sup>2</sup> ):	<b>150</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>3</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Positive</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>na/</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>n/a</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Furniture</b>	<b>OFOI</b>				
<b>Computer Workstation</b>	<b>OFOI</b>	<b>Yes</b>			


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **EHS Lab** Contact:

Room Size (ft <sup>2</sup> ):	<b>220</b>	No. of Occupants:	<b>1 to three</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Epoxy</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>Metal w/ Wood Fronts</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>3'/1' leaf</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>4'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>(1) 6' Fume Hood</b>	No. of Snorkels:	<b>tbd</b>		
No. of Biosafety Cab. & Size:	<b>tbd</b>	No. of Vent. Enclosures:	<b>tbd</b>		
No. of Lam. Flow Cab & Size:	<b>tbd</b>	No. of Canopy Hoods:	<b>tbd</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>Yes</b>		
Industrial Cold Water (ICW):	<b>Yes</b>	Emerg. Shower / Eyewash:	<b>Yes</b>		
Industrial Hot Water (IHW):	<b>Yes</b>	Natural Gas (G):	<b>Yes</b>		
Deionized Water (DI):	<b>Yes</b>	Compressed Air (A):	<b>Yes</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>Yes</b>		
Sink(s):	<b>1</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>tbd</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>tbd</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Fume Hood, 6' (1)</b>	<b>CFCI</b>	Yes	Yes	Direct Exh.	
<b>Lab Stools</b>	<b>OFOI</b>				


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Electronic Lab** Contact:

Room Size (ft <sup>2</sup> ):	<b>1,089</b>	No. of Occupants:	<b>6</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>Fac. Research labs</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Epoxy</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>Metal w/ Wood Fronts</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>3'/1' leaf, single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>4'-0", 3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>2</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>snorkel exhaust</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>tbd</b>	No. of Snorkels:	<b>2</b>		
No. of Biosafety Cab. & Size:	<b>tbd</b>	No. of Vent. Enclosures:	<b>tbd</b>		
No. of Lam. Flow Cab & Size:	<b>tbd</b>	No. of Canopy Hoods:	<b>tbd</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>Yes</b>		
Industrial Cold Water (ICW):	<b>Yes</b>	Emerg. Shower / Eyewash:	<b>Yes</b>		
Industrial Hot Water (IHW):	<b>Yes</b>	Natural Gas (G):	<b>Yes</b>		
Deionized Water (DI):	<b>Yes</b>	Compressed Air (A):	<b>Yes</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>Yes</b>		
Sink(s):	<b>2</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>Yes</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>Yes (30A)</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>44'</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Lab Stools</b>	<b>OFOI</b>				
<b>(2) Extraction Arms (Snorkels)</b>	<b>CFCI</b>			<b>200cfm</b>	<b>Articulated extraction arms</b>


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Faculty Break Room** Contact:

Room Size (ft <sup>2</sup> ):	<b>280</b>	No. of Occupants:	<b>4 to 6</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>P.lam or solid surface</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>P.lam or wood</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Neutral</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>Yes</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>Yes</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>Yes</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>tbd</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Microwave</b>	<b>OFOI</b>	<b>Yes</b>			
<b>Refrigerator</b>	<b>OFOI</b>	<b>Yes</b>			


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Faculty Office** Contact:

Room Size (ft <sup>2</sup> ):	<b>110</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>16</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Positive</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>n/a</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Furniture</b>	<b>OFOI</b>				
<b>Computer Workstation</b>	<b>OFOI</b>	<b>Yes</b>			





# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Faculty Research Lab (Well-established)** Contact:

Room Size (ft <sup>2</sup> ):	<b>1,089</b>	No. of Occupants:	<b>6</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>4</b>		
Critical Adjacencies:	<b>Faculty Research Lab</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Epoxy</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>Metal w/ Wood Fronts</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>3'/1' leaf; single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>4'-0", 3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>2</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>Yes</b>		
Industrial Cold Water (ICW):	<b>Yes</b>	Emerg. Shower / Eyewash:	<b>Yes</b>		
Industrial Hot Water (IHW):	<b>Yes</b>	Natural Gas (G):	<b>Yes</b>		
Deionized Water (DI):	<b>Yes</b>	Compressed Air (A):	<b>Yes</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>Yes</b>		
Sink(s):	<b>2</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>Yes</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>Yes (30A)</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>59'</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Fume Hood, 6' (2)</b>	<b>CFCI</b>	Yes	Yes	Direct Exh.	
<b>Lab stools</b>	<b>OFOI</b>				


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Faculty Research Lab (Standard)** Contact:

Room Size (ft <sup>2</sup> ):	<b>726</b>	No. of Occupants:	<b>6 to 8</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>10</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Epoxy</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>Metal w/ Wood Fronts</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>3'/1' leaf</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>4'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>Yes</b>		
Industrial Cold Water (ICW):	<b>Yes</b>	Emerg. Shower / Eyewash:	<b>Yes</b>		
Industrial Hot Water (IHW):	<b>Yes</b>	Natural Gas (G):	<b>Yes</b>		
Deionized Water (DI):	<b>Yes</b>	Compressed Air (A):	<b>Yes</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>Yes</b>		
Sink(s):	<b>2</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>Yes</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>Yes (30A)</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>45'</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Fume Hood, 6' (1)</b>	<b>CFCI</b>	Yes	Yes	Direct Exh.	
<b>Lab Stools</b>	<b>OFOI</b>				


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Food Service** Contact:

Room Size (ft <sup>2</sup> ):	<b>1,200</b>	No. of Occupants:			
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Solid Surface / Stainless Steel</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>Plam or wood</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>n/a</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>n/a</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>n/a</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>n/a</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>n/a</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>tbd</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Neutral</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>Yes</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>Yes</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>Yes</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>Yes</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>Yes</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>No</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Cold Case</b>	<b>CFCI</b>				
<b>Coffee maker/espresso machine</b>	<b>CFCI</b>				
<b>U.C. Dishwasher</b>	<b>CFCI</b>				


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Gas Cylinder Holding Room** Contact:

Room Size (ft <sup>2</sup> ):	<b>120</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>3'/1' leaf</b>	Ceiling Material:	<b>tbd</b>		
Door Size:	<b>4'-0"</b>	Ceiling Finish Material:	<b>tbd</b>		
Door Material:	<b>Hollow Metal</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Sealed Concrete</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>tbd</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>n/a</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>tbd</b>	Security Alarm:	<b>Yes</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>no</b>		
Plugmold (lf):	<b>tbd</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Gas Cylinder Racks</b>	<b>CFCI</b>				


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **General Assignment Classroom** Contact:

Room Size (ft <sup>2</sup> ):	<b>2,250</b>	No. of Occupants:	<b>80 Seat Capacity</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>2</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>2</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>25 - 30</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Positive</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>na/</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>tbd</b>		
Floorbox:	<b>Yes</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>n/a</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Indirect/Dim.</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Projection system</b>	<b>CFCI</b>	<b>Yes</b>			
<b>Projection Screen</b>	<b>CFCI</b>	<b>Yes</b>			
<b>Markerboards</b>	<b>CFCI</b>				
<b>Furniture</b>	<b>OFOI</b>				



# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **General Store** Contact:

Room Size (ft <sup>2</sup> ):	<b>990</b>	No. of Occupants:	<b>2 to 3</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Epoxy</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>Painted Metal</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>Single</b>	Ceiling Material:	<b>tbd</b>		
Door Size:	<b>3'-0"x6'-0"</b>	Ceiling Finish Material:	<b>tbd</b>		
Door Material:	<b>Hollow Metal</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Sealed Concrete</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>tbd</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>n/a</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>Yes</b>		
Industrial Cold Water (ICW):	<b>Yes</b>	Emerg. Shower / Eyewash:	<b>Yes</b>		
Industrial Hot Water (IHW):	<b>Yes</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>2</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>Yes</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>tbd</b>	Security Alarm:	<b>Yes</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>tbd</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>H.D. Shelving</b>	<b>CFCI</b>				
<b>Tall Storage Cabinets</b>	<b>CFCI</b>				


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Graduate Student Workstation** Contact:

Room Size (ft <sup>2</sup> ):	<b>36</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>40</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>n/a</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>n/a</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>n/a</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>n/a</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>n/a</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>positive</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>n/a</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Furniture</b>	<b>OFOI</b>				
<b>Computer Workstation</b>	<b>OFOI</b>	<b>Yes</b>			


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Hazardous Waste Holding Room** Contact:

Room Size (ft <sup>2</sup> ):	<b>80</b>	No. of Occupants:	<b>n/a</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>tbd</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>tbd</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>Yes</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>3'/1' leaf</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>4'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Hollow Metal</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Sealed Concrete</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>Vented Stor. Cabinets</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>tbd</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>tbd</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>Yes</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>No</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Tall Vented Cabinets</b>	<b>CFCI</b>			<b>Direct Exh.</b>	


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Instrumentation Lab** Contact:

Room Size (ft <sup>2</sup> ):	<b>1,089</b>	No. of Occupants:	<b>6</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>Fac. Research labs</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Epoxy</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>Metal w/ Wood Fronts</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>3'/1' leaf, single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>4'-0", 3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>2</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>(2) snorkel exhaust</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>Yes</b>		
Industrial Cold Water (ICW):	<b>Yes</b>	Emerg. Shower / Eyewash:	<b>Yes</b>		
Industrial Hot Water (IHW):	<b>Yes</b>	Natural Gas (G):	<b>Yes</b>		
Deionized Water (DI):	<b>Yes</b>	Compressed Air (A):	<b>Yes</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>Yes</b>		
Sink(s):	<b>2</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>Yes</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>Yes (30A)</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>44'</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Lab Stools</b>	<b>OFOI</b>				
<b>(2) Extraction Arms (Snorkels)</b>	<b>CFCI</b>			<b>200cfm</b>	<b>Articulated extraction arms</b>


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Janitor Closet** Contact:

Room Size (ft <sup>2</sup> ):	<b>48</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>3</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>Single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>n/a</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>Yes</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>Yes</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>Yes (Jan. Sink)</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>Yes</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>tbd</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>No</b>		
Plugmold (lf):	<b>tbd</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Junior & Senior Project Lab** Contact:

Room Size (ft <sup>2</sup> ):	<b>726</b>	No. of Occupants:	<b>4 to 6</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>Fac. Research Labs</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Epoxy</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>Metal w/ Wood Fronts</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>3'/1' leaf</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>4'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>Yes</b>		
Industrial Cold Water (ICW):	<b>Yes</b>	Emerg. Shower / Eyewash:	<b>Yes</b>		
Industrial Hot Water (IHW):	<b>Yes</b>	Natural Gas (G):	<b>Yes</b>		
Deionized Water (DI):	<b>Yes</b>	Compressed Air (A):	<b>Yes</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>Yes</b>		
Sink(s):	<b>2</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>Yes</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>Yes (30A)</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>45'</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Fume Hood, 6' (2)</b>	<b>CFCI</b>	Yes	Yes	Direct Exh.	
<b>Lab Stools</b>	<b>OFOI</b>				


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Lecture Hall** Contact:

Room Size (ft <sup>2</sup> ):	<b>7,000</b>	No. of Occupants:	<b>250 Seat Capacity</b>		
Ceiling Height:	<b>Varies</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>Double</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"x6'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>4</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Conc / Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>25 - 30</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Positive</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>na/</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>tbd</b>		
Floorbox:	<b>Yes</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>n/a</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Indirect/Dim.</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Projection system</b>	<b>CFCI</b>	<b>Yes</b>			
<b>Projection Screen</b>	<b>CFCI</b>	<b>Yes</b>			
<b>Markerboards</b>	<b>CFCI</b>				
<b>Furniture</b>	<b>OFOI</b>				



# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Main Telecom Room** Contact:

Room Size (ft <sup>2</sup> ):	<b>140</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>Single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>tbd</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>n/a</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>tbd</b>	Security Alarm:	<b>Yes</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>tbd</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Mat. Prep./Instrument Lab** Contact:

Room Size (ft <sup>2</sup> ):	<b>726</b>	No. of Occupants:	<b>8 to 12</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>2</b>		
Critical Adjacencies:	<b>Undergrad. Teaching Labs</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Epoxy</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>Metal w/ Wood Fronts</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>3'/1' leaf, single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>4'-0", 3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>2</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Rubber or VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>(1) 6' High Performance</b>	No. of Snorkels:	<b>2</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>Yes</b>		
Industrial Cold Water (ICW):	<b>Yes</b>	Emerg. Shower / Eyewash:	<b>Yes</b>		
Industrial Hot Water (IHW):	<b>Yes</b>	Natural Gas (G):	<b>Yes</b>		
Deionized Water (DI):	<b>Yes</b>	Compressed Air (A):	<b>Yes</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>Yes</b>		
Sink(s):	<b>2</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>Yes</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>Yes (30A)</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>44'</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Lab Stools</b>	<b>OFOI</b>				
<b>(2) Extraction Arms (Snorkels)</b>	<b>CFCI</b>			<b>200cfm</b>	<b>Articulated extraction arms</b>


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Perchloric Acid Lab** Contact:

Room Size (ft <sup>2</sup> ):	<b>121</b>	No. of Occupants:	<b>1 to 2</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>Faculty Research Labs</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Epoxy</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>Metal w/ Wood Fronts</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>3'/1' leaf; single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>4'-0", 3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>Perchloric Acid Exh. W/wash down</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 10</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>(1) 6' Perchloric Acid Hood</b>	No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>Yes</b>		
Industrial Cold Water (ICW):	<b>Yes</b>	Emerg. Shower / Eyewash:	<b>Yes</b>		
Industrial Hot Water (IHW):	<b>Yes</b>	Natural Gas (G):	<b>tbd</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>tbd</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>tbd</b>		
Sink(s):	<b>1</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>Yes</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>tbd</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>13'</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Perchloric Acid Hood, 6' (1)</b>	<b>CFCI</b>	<b>Yes</b>	<b>Yes</b>	<b>Direct Exh.</b>	<b>Perchloric Acid Exh w/Wash Down</b>
<b>Lab stools</b>	<b>OFOI</b>				


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Post-Doc Office (shared)** Contact:

Room Size (ft <sup>2</sup> ):	<b>110</b>	No. of Occupants:	<b>2</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>8</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30- 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Positive</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>n/a</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Furniture</b>	<b>OFOI</b>				
<b>Computer Workstations</b>	<b>OFOI</b>	<b>Yes</b>			


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Radioisotope Hot Lab** Contact:

Room Size (ft <sup>2</sup> ):	<b>726</b>	No. of Occupants:	<b>4-Feb</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>Faculty Research Labs</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Epoxy</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>Metal w/ Wood Fronts</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>3'/1' leaf</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>4'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>(1) 6' Radioisotope Hoods</b>	No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>Yes</b>		
Industrial Cold Water (ICW):	<b>Yes</b>	Emerg. Shower / Eyewash:	<b>Yes</b>		
Industrial Hot Water (IHW):	<b>Yes</b>	Natural Gas (G):	<b>tbd</b>		
Deionized Water (DI):	<b>tbd</b>	Compressed Air (A):	<b>tbd</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>tbd</b>		
Sink(s):	<b>2</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>Yes</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>Yes</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>45'</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Radioisotope, 6' (1)</b>	<b>CFCI</b>	Yes	Yes	Direct Exh.	
<b>Lab Stools</b>	<b>OFOI</b>				


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Waste Chemical Holding** Contact:

Room Size (ft <sup>2</sup> ):	<b>80</b>	No. of Occupants:	<b>n/a</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>tbd</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>tbd</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>Yes</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>3'/1' leaf</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>4'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Hollow Metal</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Sealed Concrete</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>Vented Stor. Cabinets</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>tbd</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>tbd</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>Yes</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>No</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Tall Vented Cabinets</b>	<b>CFCI</b>			<b>Direct Exh.</b>	


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Recycle Room** Contact:

Room Size (ft <sup>2</sup> ):	<b>80</b>	No. of Occupants:	<b>n/a</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>Single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Hollow Metal</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Sealed Concrete</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>n/a</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>tbd</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>No</b>		
Plugmold (lf):	<b>tbd</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Recycling Bins</b>	<b>OFOI</b>				


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# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Seminar Room** Contact:

Room Size (ft <sup>2</sup> ):	<b>750</b>	No. of Occupants:	<b>24 to 30</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>2</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>25 - 30</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Positive</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>na/</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>Yes</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>n/a</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Projection system</b>	<b>CFCI</b>	<b>Yes</b>			
<b>Projection Screen</b>	<b>CFCI</b>	<b>Yes</b>			
<b>Markerboards</b>	<b>CFCI</b>				
<b>Furniture</b>	<b>OFOI</b>				



# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Server Room** Contact:

Room Size (ft <sup>2</sup> ):	<b>150</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>Fac. Research labs</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>Single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>Cooling for Server Racks</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>n/a</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>tbd</b>	Security Alarm:	<b>Yes</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>tbd</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Shipping Receiving & Storage** Contact:

Room Size (ft <sup>2</sup> ):	<b>400</b>	No. of Occupants:	<b>2 to 3</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>tbd</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>tbd</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>Double Leaf</b>	Ceiling Material:	<b>tbd</b>		
Door Size:	<b>3'-0"x6'-0"</b>	Ceiling Finish Material:	<b>tbd</b>		
Door Material:	<b>Hollow Metal</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Sealed Concrete</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>tbd</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>n/a</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>tbd</b>	Security Alarm:	<b>Yes</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>tbd</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Student/Faculty Interaction Area** Contact:

Room Size (ft <sup>2</sup> ):	<b>110</b>	No. of Occupants:	<b>2 to 4</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>8</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>tbd</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>tbd</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Tbd</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Tbd</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>Tbd</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Neutral</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>n/a</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Furniture</b>	<b>OFOI</b>				


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# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Telecom Room** Contact:

Room Size (ft <sup>2</sup> ):	<b>96</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>Single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Epoxy Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>tbd</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>n/a</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 8</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>Yes</b>		
208V Outlet - (amp):	<b>tbd</b>	Security Alarm:	<b>Yes</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>tbd</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Undergrad. Teaching Lab** Contact:

Room Size (ft <sup>2</sup> ):	<b>1,452</b>	No. of Occupants:	<b>25</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>2</b>		
Critical Adjacencies:	<b>Instrument Prep. Lab</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>Epoxy</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>Metal w/ Wood Fronts</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>tbd</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>tbd</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>(2) 3'/1' leaf &amp; (1) 3'</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>4'-0" &amp; 3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Hollow Metal</b>	Wall Finish Material:	<b>Latex or Epoxy Paint</b>		
Door Quantity:	<b>3</b>	Vibration Criteria:	<b>2,000 mips</b>		
Floor Material:	<b>Rubber or VCT</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>40 - 45</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>tbd</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Negative</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>8 min.</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>(2) 6' High Performance</b>	No. of Snorkels:	<b>tbd</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>Yes</b>		
Industrial Cold Water (ICW):	<b>Yes</b>	Emerg. Shower / Eyewash:	<b>Yes</b>		
Industrial Hot Water (IHW):	<b>Yes</b>	Natural Gas (G):	<b>tbd</b>		
Deionized Water (DI):	<b>tbd</b>	Compressed Air (A):	<b>Yes</b>		
Reverse Osmosis Water (RO):	<b>tbd</b>	Vacuum (V):	<b>tbd</b>		
Sink(s):	<b>3</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>tbd</b>		
Floor Drain:	<b>tbd</b>	Nitrogen (N <sub>2</sub> ):	<b>tbd</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>tbd</b>		
208V Outlet - (amp):	<b>Yes (30A)</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>tbd</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>tbd</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>tbd</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>tbd</b>		
Lighting Type:	<b>LED Direct/Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Lab Stools</b>	<b>OFOI</b>				
<b>All Benchtop Equipment</b>	<b>OFOI</b>				



# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **University Computer Lab** Contact:

Room Size (ft <sup>2</sup> ):	<b>1,760</b>	No. of Occupants:	<b>49 Stations</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>tbd</b>	Upper Cabinet (lf):	<b>tbd</b>		
Cabinet Material:	<b>tbd</b>	Open Shelving (lf):	<b>tbd</b>		
Countertop (lf):	<b>tbd</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>tbd</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>2</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30-35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Neutral</b>	Outside Air Requirements:	<b>100%</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:	<b>n/a</b>	No. of Snorkels:	<b>n/a</b>		
No. of Biosafety Cab. & Size:	<b>n/a</b>	No. of Vent. Enclosures:	<b>n/a</b>		
No. of Lam. Flow Cab & Size:	<b>n/a</b>	No. of Canopy Hoods:	<b>n/a</b>		
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>No</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>tbd</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Indirect/Dim.</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Furniture</b>	<b>OFOI</b>				
<b>Computer Workstations</b>	<b>OFOI</b>	<b>Yes</b>			
<b>Markerboards</b>	<b>CFCI</b>				


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Vending Machine Area** Contact:

Room Size (ft <sup>2</sup> ):	<b>48</b>	No. of Occupants:	<b>1 to 3</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>tbd</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>n/a</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>n/a</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>n/a</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>n/a</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>n/a</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>tbd</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Neutral</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>n/a</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>No</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>No</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>No</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>70 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Vending Machines</b>	<b>OFOI</b>	<b>Yes</b>			


# Boise State University - Materials Science & Engineering Research Building

SPACE PROGRAM

ROOM DATA SHEET

Program Component: **Materials Science & Engineering** Date: **04.22.2015**  
 Space: **Visiting Faculty Office** Contact:

Room Size (ft <sup>2</sup> ):	<b>110</b>	No. of Occupants:	<b>1</b>		
Ceiling Height:	<b>10'-0"</b>	Quantity of Rooms:	<b>1</b>		
Critical Adjacencies:	<b>Faculty Offices</b>	Special Requirements:			
<b>CASEWORK</b>					
Counter Top Material:	<b>n/a</b>	Upper Cabinet (lf):	<b>n/a</b>		
Cabinet Material:	<b>n/a</b>	Open Shelving (lf):	<b>n/a</b>		
Countertop (lf):	<b>n/a</b>	Tall Cabinet (lf):	<b>n/a</b>		
Base Cabinet (lf):	<b>n/a</b>	Vented Tall Cabinet (lf):	<b>n/a</b>		
<b>ARCHITECTURAL</b>					
Door Type:	<b>single</b>	Ceiling Material:	<b>ACT</b>		
Door Size:	<b>3'-0"</b>	Ceiling Finish Material:	<b>ACT</b>		
Door Material:	<b>Wood</b>	Wall Construction:	<b>Metal Stud/Gyp. Board</b>		
Frame Material:	<b>Metal</b>	Wall Finish Material:	<b>Latex Paint</b>		
Door Quantity:	<b>1</b>	Vibration Criteria:	<b>tbd</b>		
Floor Material:	<b>Carpet</b>	Acoustic Criteria:	<b>tbd</b>		
Base Material:	<b>Rubber</b>				
<b>HVAC</b>					
Noise Criteria (NC Level):	<b>30 - 35</b>	Special HVAC:	<b>n/a</b>		
Temperature:	<b>68° - 72°</b>	Filtration Criteria:	<b>n/a</b>		
Relative Humidity:	<b>30 - 50%</b>	Humidity Control:	<b>tbd</b>		
Pressurization:	<b>Positive</b>	Outside Air Requirements:	<b>Min. 2 ACPH (per code)</b>		
Air Changes/Hour:	<b>Min. 6</b>	Hazardous Area:	<b>No</b>		
<b>FUME HOODS, BIOLOGICAL SAFETY CABINETS &amp; OTHER VENTILATED ENCLOSURES</b>					
No. of Fume Hoods & Size:		No. of Snorkels:			
No. of Biosafety Cab. & Size:		No. of Vent. Enclosures:			
No. of Lam. Flow Cab & Size:		No. of Canopy Hoods:			
<b>PLUMBING</b>					
Domestic Cold Water (CW):	<b>No</b>	Floor Sink:	<b>No</b>		
Domestic Hot Water (HW):	<b>No</b>	Drench Hose (DH):	<b>No</b>		
Industrial Cold Water (ICW):	<b>No</b>	Emerg. Shower / Eyewash:	<b>No</b>		
Industrial Hot Water (IHW):	<b>No</b>	Natural Gas (G):	<b>No</b>		
Deionized Water (DI):	<b>No</b>	Compressed Air (A):	<b>No</b>		
Reverse Osmosis Water (RO):	<b>No</b>	Vacuum (V):	<b>No</b>		
Sink(s):	<b>n/a</b>	Carbon Dioxide (CO <sub>2</sub> ):	<b>No</b>		
Floor Drain:	<b>No</b>	Nitrogen (N <sub>2</sub> ):	<b>No</b>		
<b>ELECTRICAL</b>					
120V Outlet - (amp):	<b>Yes</b>	Card Reader:	<b>No</b>		
208V Outlet - (amp):	<b>No</b>	Security Alarm:	<b>No</b>		
220-240V Outlet:	<b>No</b>	Network connection:	<b>Yes</b>		
Plugmold (lf):	<b>No</b>	Voice connection:	<b>Yes</b>		
Floorbox:	<b>No</b>	Intercom:	<b>No</b>		
Special Electrical:	<b>No</b>	Paging System:	<b>Yes</b>		
Lighting Type:	<b>LED Indirect</b>	Fire Detection:	<b>Yes</b>		
Footcandles (@ 36" AFF):	<b>50 min.</b>				
<b>EQUIPMENT</b>					
Item:	By / Install:	Elec.	Plumb.	HVAC:	Comments:
<b>Furniture</b>	<b>OFOI</b>				
<b>Computer Workstation</b>	<b>OFOI</b>				
