

# RFQ Question and Answer List

## State of Ohio Standard Forms and Documents

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Project Name Moseley Hall Renovation Project Number BGU-156115  
Project Location Bowling Green State University

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Date posted: May 4, 2015

Date revised: N/A

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. After reviewing the advertisement for the above reference RFQ we have a question. The RFP (section B... Scope of Services) identifies that Jacobs Consulting will assist in the design of the lab space. Additionally, (section D Services Required) Laboratory Planner is not listed. Does this mean that firm's do not need to add a lab planner to our team?
  - A. Yes, A/E will require a lab planner. Jacobs Consulting is contracted by the university and assisted in preliminary design with the Science departments to define the project scope of work. Jacobs will be working with the successful A/E design team thru the early stages to assist with the transition.
2. In the document, it was indicated that "The resultant Concept Design Major documents are attached herein for your reference". I did not find any attachment, can you please direct me to where I can find this information?
  - A. Please see the attached documents

# MOSELEY HALL - SCIENCE CENTER

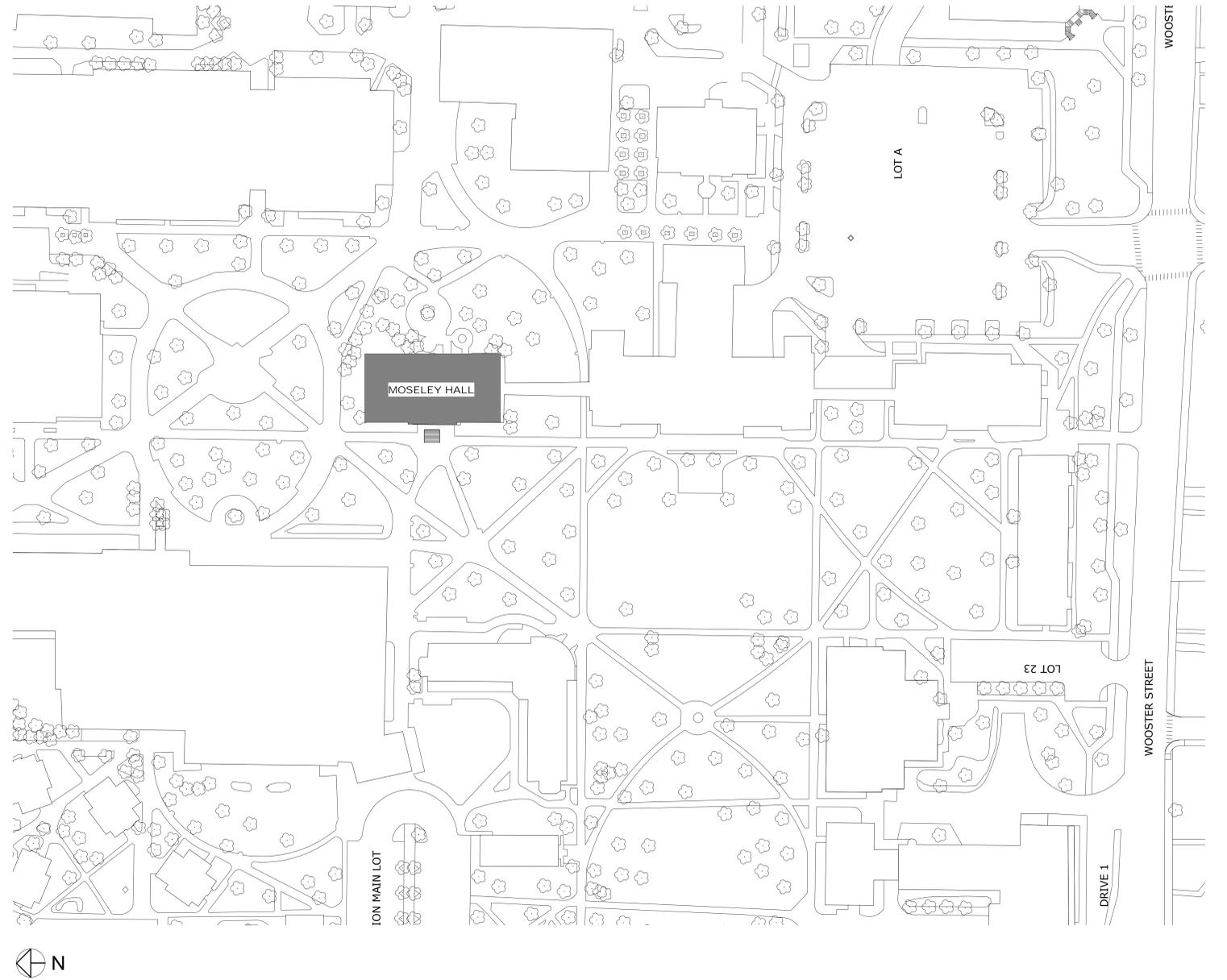
## ADDENDUM 1 v2 MARCH 09, 2015

BOWLING GREEN, OH 43403-0001

<b>Owner:</b> BOWLING GREEN STATE UNIVERSITY  BOWLING GREEN, OH 43403-0001	<b>Construction Manager:</b>	<b>Civil / Site:</b>	<b>Landscape:</b>	<b>Structural:</b> SOUZA TRUE & PARTNERS  265 WINTER ST., WALTHAM, MA	<b>MEP:</b> BR+A CONSULTING ENGINEERS  10 Guest Street, Boston, MA 02135	<b>LAB PLANNING:</b> JACOBS CONSULTANCY INC. LAB PLANNING  303 South Broadway, Suite G20 Tarrytown, NY 10591	<b>CODE CONSULTANT:</b> SULLIVAN CODE GROUP  529 Main Street Suite 203 Boston, MA 02129
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### DRAWING SCHEDULE

01 - GENERAL	COVER SHEET
G-000	MOSELEY - LIFE SAFETY & CODE
G-101	
02 - ARCHITECTURAL	
A-101	MOSELEY - LEVEL 1
A-102	MOSELEY - LEVEL 2
A-103	MOSELEY - LEVEL 3
A-104	MOSELEY - LEVEL 4
A-105	MOSELEY ROOF PLAN
A-106	ALTERNATE ELEVATOR LOCATION
A-200	FURN. & EQUIP. COVER SHEET
A-201	FURN. & EQUIP. PLANS LEVEL 1
A-202	FURN. & EQUIP. PLANS LEVEL 2
A-203	FURN. & EQUIP. PLANS LEVEL 3
A-204	FURN. & EQUIP. PLANS LEVEL 4
AD-101	MOSELEY - LEVEL 1 DEMO PLAN
AD-102	MOSELEY - LEVEL 2 DEMO PLAN
AD-103	MOSELEY - LEVEL 3 DEMO PLAN
AD-104	MOSELEY - LEVEL 4 DEMO PLAN
AD-105	MOSELEY - ROOF DEMO PLAN



LOCATION MAP

**APPLICABLE CODES**

BUILDING: 2011 OHIO BUILDING CODE (IBC 2009)  
 FIRE / LIFE SAFETY: 2011 OHIO FIRE CODE (2009 IFC)  
 ACCESSIBILITY: 2011 OHIO BUILDING CODE (ICC/ANSI A117.1-2009 AND ADAAG)  
 ELECTRICAL: 2011 NATIONAL ELECTRIC CODE (NEC) - NFPA 70  
 ELEVATORS: ASME A17.1A - 2011 (OHIO ADMINISTRATIVE CODE 4101.5-3-01)  
 MECHANICAL: 2011 OHIO MECHANICAL CODE (IMC 2009)  
 PLUMBING: 2011 OHIO PLUMBING CODE (IPC 2009)  
 STRUCTURAL: 2011 OHIO BUILDING CODE (IBC 2009)  
 ENERGY: ASHRAE 90.1-07 - 2009 (COMMERCIAL) AND 2011 IECC (RESIDENTIAL)

NOTE: CODES INCLUDE ALL AMMENDMENTS EFFECTIVE THROUGH DATE OF DOCUMENTS

**CODE ANALYSIS AND OCCUPANCY**

2011 OHIO BUILDING CODE (IBC 2009) INCLUDING ALL AMMENDMENTS THROUGH MARCH 2012

REVIEW ASSUMES BUILDING WILL BE EQUIPPED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION OBC 903.3.1.1

OBC 302.1 - USE GROUP AND OCCUPANCY CLASSIFICATION:  
 BUSINESS GROUP B

OBC TABLE 503 - BUILDING HEIGHT AND AREA:  
 GROUP B, CONSTRUCTION TYPE II B, 3 STORIES, 55'-0", 23,000 SF

OBC TABLES 504.2 AND 506.3 - AUTOMATIC SPRINKLER SYSTEM INCREASE:  
 GROUP B, CONSTRUCTION TYPE II B, 4 STORIES, 75'-0", 69,000 SF

OBC TABLE 601 - CONSTRUCTION CLASSIFICATION:  
 TYPE II B

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)  
 STRUCTURAL FRAME: 0  
 BEARING WALLS: 0  
 EXTERIOR: 0 (NOT LESS THAN THE FIRE-RESISTANCE RATING REQUIREMENTS)  
 INTERIOR: 0

BASED ON FIRE SEPARATION DISTANCE: WHERE FIRE SEPARATION DISTANCE IS GREATER THAN 10 FEET, NO RATING IS REQUIRED. WHERE FIRE SEPARATION IS LESS THAN 10 FEET, A 1-HR RATING IS REQUIRED.

NONBEARING WALLS AND PARTITIONS  
 INTERIOR: 0  
 FLOOR CONSTRUCTION: 0  
 ROOF CONSTRUCTION: 0

OBC TABLE 706.4 - FIRE WALL FIRE-RESISTANCE RATING:  
 GROUP B FIRE-RESISTANCE RATING = 2 HOURS

OBC 708.4 - SHAFT ENCLOSURE FIRE-RESISTANCE RATING:  
 SHAFTS CONNECTING 4 OR MORE STORIES: 2 HOURS  
 SHAFTS CONNECTING LESS THAN 4 STORIES: 1 HOUR

OBC 907.2.2 - FIRE ALARM AND DETECTION SYSTEM REQUIREMENTS:  
 MANUAL FIRE ALARM BOXES NOT REQUIRED WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM (IN ACCORDANCE WITH SECTION OBC 903.3.1.1) AND THE FIRE ALARM NOTIFICATION APPLIANCES WILL ACTIVATE UPON SPRINKLER WATER FLOW.

OBC TABLE 1004.1.1 - DESIGN OCCUPANT LOAD:  
 (SEE OCCUPANCY / EGRESS ANALYSIS)

OBC 1005.1 - MINIMUM REQUIRED EGRESS WIDTH  
 STAIRWAYS: 0.3 INCH PER OCCUPANT  
 OTHER EGRESS COMPONENTS: 0.2 INCH PER OCCUPANT

OBC 3404.6 MEANS OF EGRESS CAPACITY FACTORS:  
 STATES THAT THE MINIMUM EGRESS WIDTHS FOR THE COMPONENTS OF THE MEANS OF EGRESS SHALL BE BASED ON THE MEANS OF EGRESS WIDTH FACTORS IN THE BUILDING CODE UNDER WHICH THE BUILDING WAS CONSTRUCTED, AND SHALL BE CONSIDERED AS COMPLYING MEANS OF EGRESS FOR ANY ALTERATION IF, IN THE OPINION OF THE BUILDING OFFICIAL, THEY DO NOT CONSTITUTE A DISTINCT HAZARD TO LIFE.

OBC 1007.1 - ACCESSIBLE MEANS OF EGRESS:  
 EXCEPTION STATES THAT ACCESSIBLE MEANS OF EGRESS ARE NOT REQUIRED IN ALTERATIONS TO EXISTING BUILDINGS

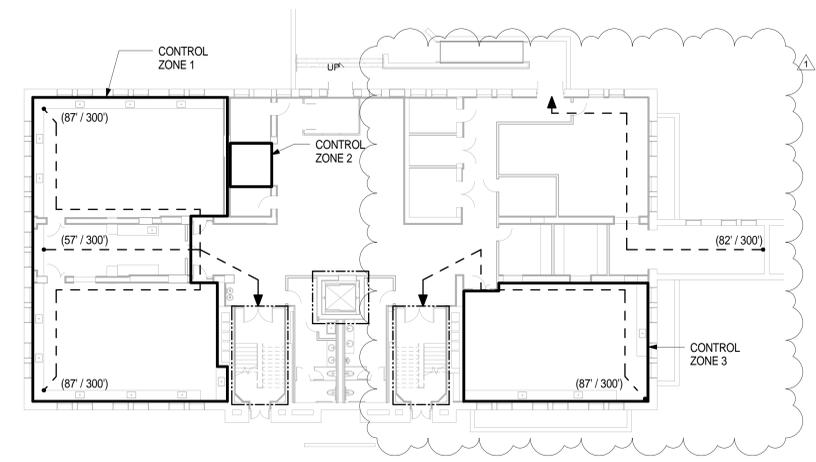
OBC 1014.3 - COMMON PATHS OF EGRESS TRAVEL:  
 BUILDING EQUIPPED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION OBC 903.3.1.1 - NOT TO EXCEED 100'-0"

OBC TABLE 1015.1 - SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:  
 OCCUPANCY B - MAXIMUM OCCUPANT LOAD = 40  
 ALL AREAS WITH OCCUPANT LOAD GREATER THAN 49 HAVE 2 OR MORE MEANS OF EGRESS

OBC TABLE 1016.1 - EXIT ACCESS TRAVEL DISTANCE:  
 OCCUPANCY B - WITH SPRINKLER SYSTEM = 300 FEET

OBC TABLE 1021.1 MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD:  
 OCCUPANT LOAD (PERSONS PER STORY) 1-500 = 2 EXITS REQUIRED; MINIMUM 2 PROVIDED

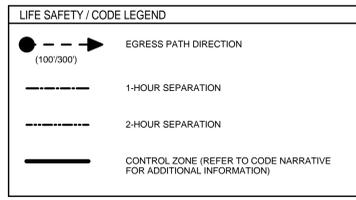
OBC 3004 HOISTWAY VENTING  
 VENTING FOR HOISTWAY WILL BE PROVIDED.



1 LS\_1ST FLOOR - MOSELEY  
1/16" = 1'-0"

**GENERAL NOTES:**

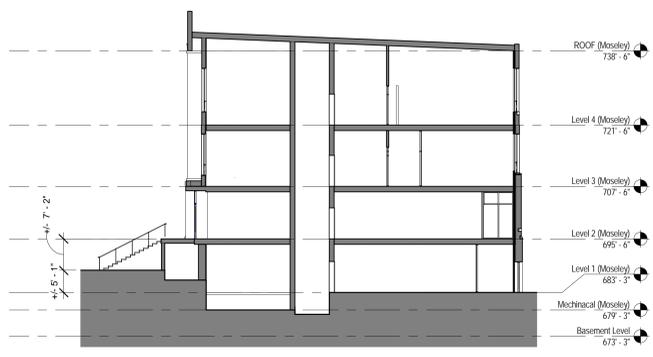
- REFER TO THE CODE NARRATIVE FOR PLUMBING FIXTURE COUNTS AND ADDITIONAL CODE INFORMATION
- ACCESSIBILITY: THIS PROJECT IS DESIGNED TO MEET THE STATE OF OHIO REQUIREMENT OF ICC/ANSI 117.1 2009 AND THE U.S. JUSTICE DEPARTMENT'S 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- FIRE PUMP ROOM ACCESS IS AT THE DISCRETION OF THE LOCAL FIRE DEPARTMENT. CONCEPT PLANS SHOW ACCESS THROUGH WORKROOM ON LEVEL 1, REVIEW WITH LOCAL JURISDICTION.
- CONTROL ZONES TO BE CONFIRMED WITH OWNER, BUILDING CODE, AND PLANNING TEAM DURING SCHEMATIC DESIGN PHASE



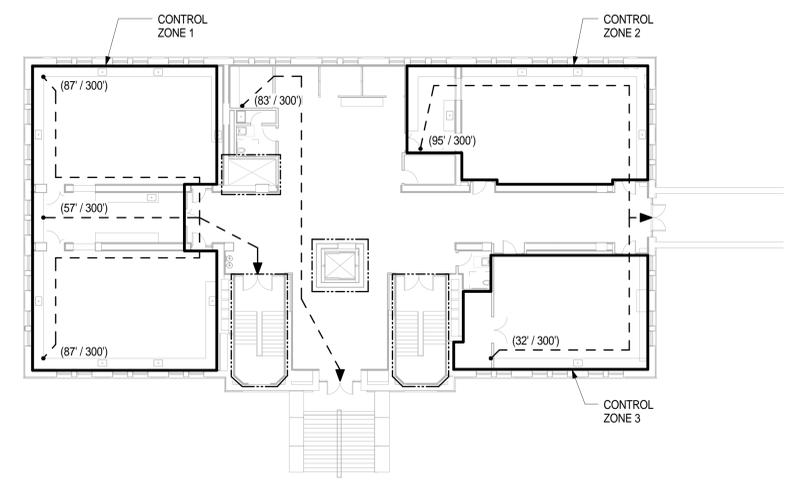
OBC TABLE 307.1

Floor Level	Number of Control Areas Permitted	% of Exempt Amounts Per Control Area	Control Area Separation Rating (hrs)	
			Floor	Wall
4	2	12.5%	2	2
3	2	50%	2	1
2	3	75%	2	1
1 <sup>A</sup>	4	100%	2	1

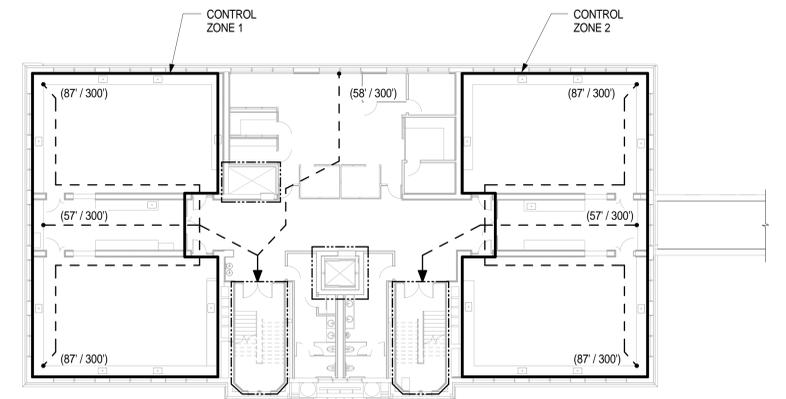
- REFER TO CODE NARRATIVE FOR ADDITIONAL INFORMATION REGARDING HAZARDOUS MATERIALS
- ALLOWABLE QUANTITIES OF STORED HAZARDOUS CHEMICALS IN THIS BUILDING IS RESTRICTED BY CODE. CONTROL ZONES ARE SHOWN ON THE CONCEPT PLANS BASED ON THE ASSUMPTION PROVIDED BY THE OWNER THAT LIMITED QUANTITIES OF TYPE 1 HAZARDOUS CHEMICALS WILL BE STORED AND USED IN THIS BUILDING. SPECIFIC QUANTITIES AND TYPES OF CHEMICALS TO BE USED MUST BE CONFIRMED WITH THE OWNER AS PART OF THE SCHEMATIC DESIGN PROCESS AND THE CONTROL ZONE CONFIGURATIONS ADJUSTED IF NECESSARY.
- PER CODE NARRATIVE:  
 A. THE LOWEST LEVEL IS ASSUMED TO BE A STORY BUT IT SHOULD BE VERIFIED PER THE FOLLOWING DEFINITION (IBC 202):  
 STORY ABOVE GRADE PLANE. ANY STORY HAVING ITS FINISHED FLOOR SURFACE ENTIRELY ABOVE GRADE PLANE, OR IN WHICH THE FINISHED SURFACE OF THE FLOOR NEXT ABOVE IS:  
 1. MORE THAN 6 FEET (1829MM) ABOVE GRADE PLANE, OR  
 2. MORE THAN 12 FEET (3658 MM) ABOVE THE FINISHED GROUND LEVEL AT ANY POINT.



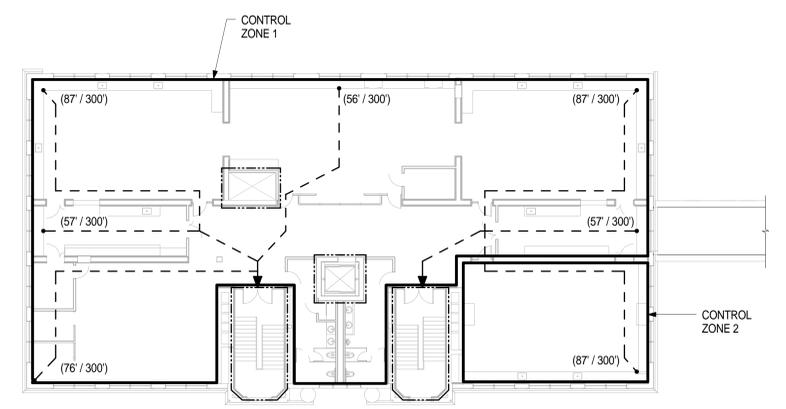
5 DIAGRAM- GRADE PLANE  
1/16" = 1'-0"



2 LS\_2ND FLOOR - MOSELEY  
1/16" = 1'-0"



3 LS\_3RD FLOOR - MOSELEY  
1/16" = 1'-0"



4 LS\_4TH FLOOR - MOSELEY  
1/16" = 1'-0"

SEAL



**Perkins Eastman**

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 F: 617.449.4049

Owner:  
 BOWLING GREEN STATE UNIVERSITY  
 BOWLING GREEN, OH  
 43403-0001  
 Construction Manager:

Civil / Site:

Landscape:

Structural:  
 SOUZA TRUE & PARTNERS  
 265 WINTER ST.,  
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 10 Guest Street, Boston,  
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 303 South Broadway,  
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 SULLIVAN CODE GROUP  
 529 Main Street  
 Suite 203 Boston, MA  
 02129

PROJECT TITLE:  
**MOSELEY HALL -  
 SCIENCE CENTER**

BOWLING GREEN, OH 43403-0001

PROJECT No: 49780.02

DRAWING TITLE:

**MOSELEY - LIFE  
 SAFETY & CODE**

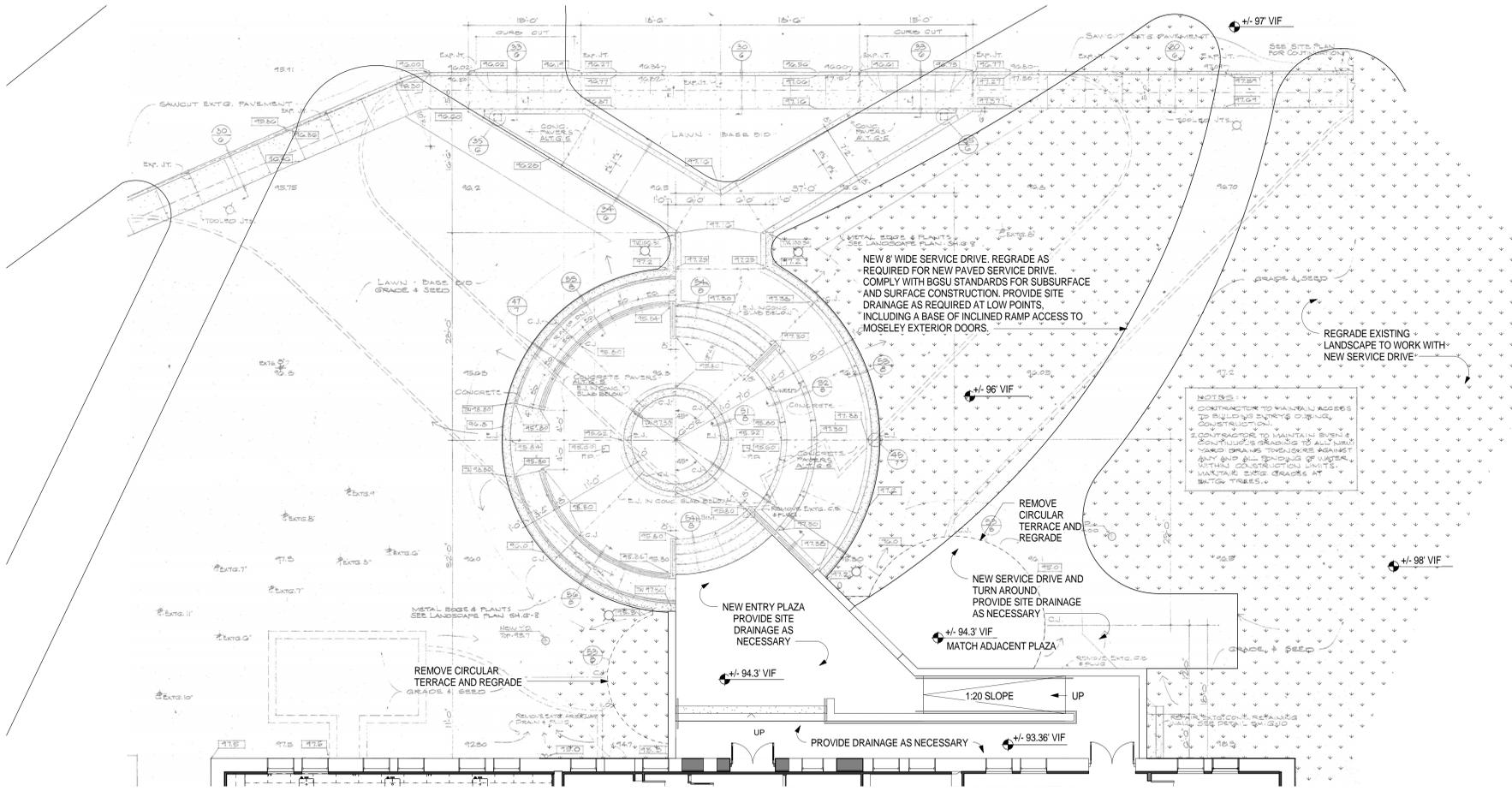
SCALE: As indicated

**G-101**

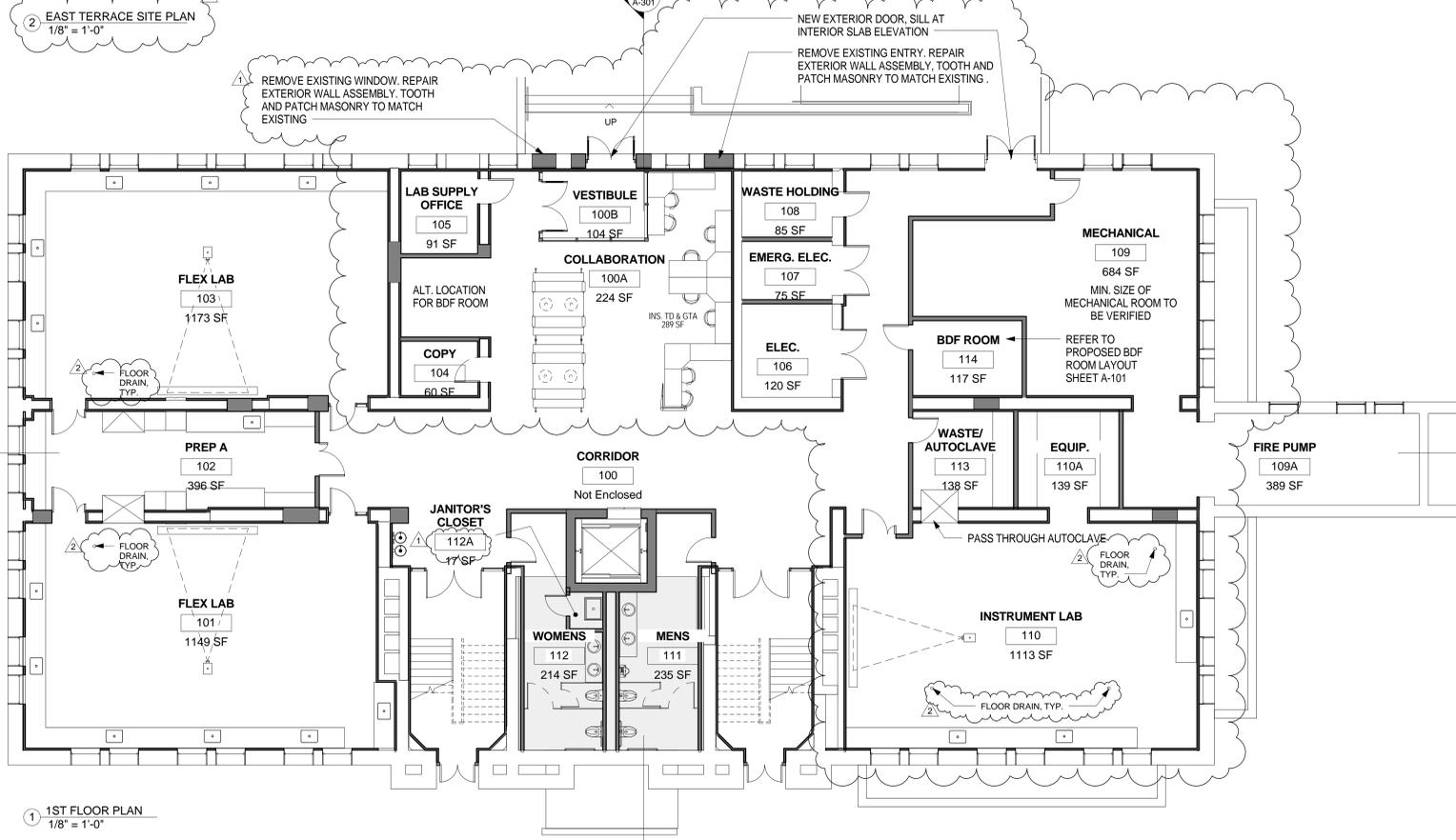
CONCEPT DRAWINGS

12.05.2014

NO.	DATE	ISSUE
1	02.27.2015	ADDENDUM 1
2	03.09.2015	ADDENDUM 1 v2



2 EAST TERRACE SITE PLAN  
1/8" = 1'-0"



1 1ST FLOOR PLAN  
1/8" = 1'-0"

### Three Rack Room

- If it is determined that <672 network ports are needed
- Preferred by ITS

approximately 117 square feet

**⚠️ This option leads limited room for growth or error over 672. Based on preliminary information, this option will likely be sufficient**

NOTE: PROPOSED BDF ROOM LAYOUT PROVIDED BY BGSU 02/24/2015

**WALL TYPE LEGEND**

	EXISTING TO REMAIN
	NEW CONSTRUCTION
	EXISTING TO DEMOLISH
	NEW FLOOR SLAB
	EXISTING SLAB TO DEMOLISH
	REGRADE EXISTING LANDSCAPE

**GENERAL NOTES**

- REFER TO NARRATIVES FOR SCOPE OF DEMOLITION AND NEW CONSTRUCTION
- REFER TO LAB FURNITURE EQUIPMENT PLANS FOR LAB EQUIPMENT AND CASEWORK
- SUGGESTION CONTROL ZONES TO BE CONFIRMED WITH OWNER, BUILDING CODE, AND PLANNING TEAM DURING SCHEMATIC DESIGN

SEAL

**Perkins Eastman**  
50 FRANKLIN STREET  
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Owner: BOWLING GREEN STATE UNIVERSITY  
BOWLING GREEN, OH 43403-0001  
Construction Manager:

Civil / Site:

Landscape:

Structural: SOUZA TRUE & PARTNERS  
265 WINTER ST.,  
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MEP: BR-A CONSULTING ENGINEERS  
10 Guest Street, Boston,  
MA 02135  
JACOBS CONSULTANCY INC. LAB PLANNING  
529 Main Street  
Suite 203 Boston, MA  
02129

PROJECT TITLE:  
**MOSELEY HALL - SCIENCE CENTER**

BOWLING GREEN, OH 43403-0001

PROJECT No: 49780.02  
DRAWING TITLE:  
**MOSELEY - LEVEL 1**

SCALE: 1/8" = 1'-0"

# A-101

CONCEPT DRAWINGS

12.05.2014

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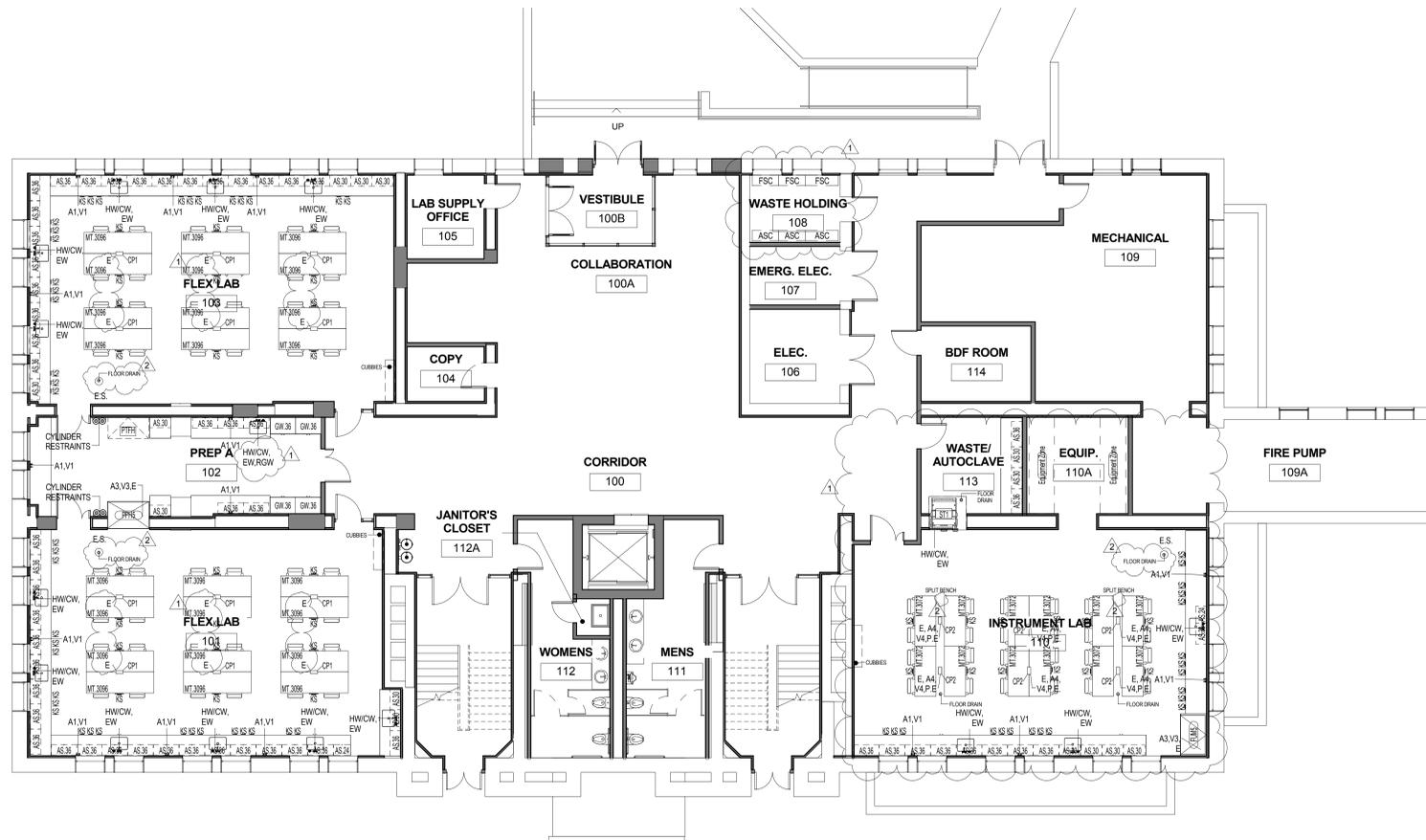








NO.	DATE	ISSUE
1	02.27.2015	Addendum 1
2	03.05.2015	Addendum 1



1 Level 1 (Moseley)  
1/8" = 1'-0"

SEAL



**Perk's** *Basma*

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SUITE 203  
BOSTON, MA 02110  
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F. 617.449.4049

Owner:  
  
Construction Manager:  
  
Civil / Site:  
  
Landscape:  
  
Structural:  
  
MEP:

PROJECT TITLE:  
**MOSELEY HALL -  
LABORATORY  
SCIENCE TEST FIT**

BOWLING GREEN, OH 43403-0001

PROJECT No: 49780.02

DRAWING TITLE:  
**MOSELEY -  
FURNITURE &  
EQUIPMENT PLANS  
LEVEL 1**

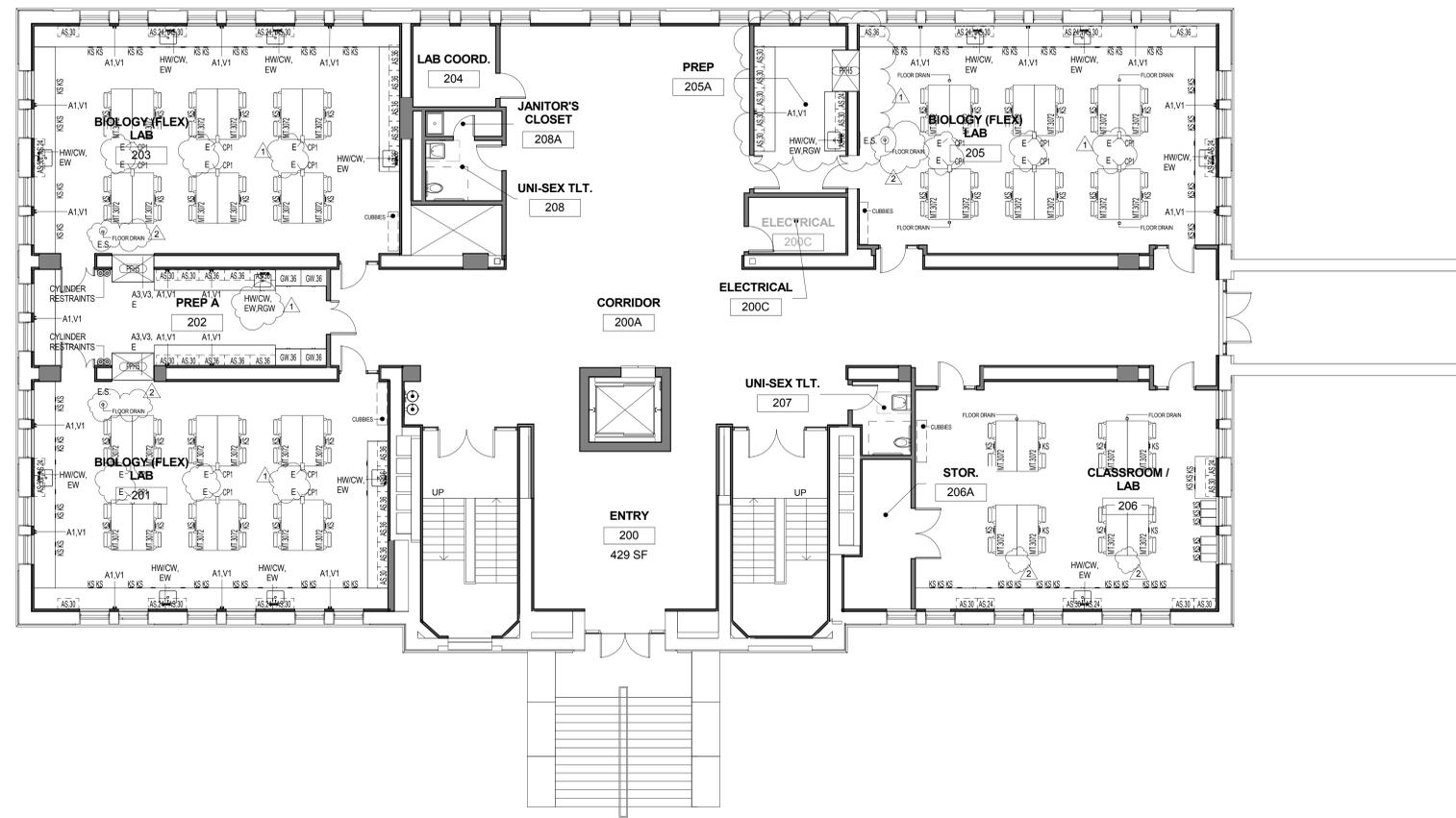
SCALE: 1/8" = 1'-0"

**A-201**

PROGRESS PRINT

11.13.2014 - DRAFT

NO.	DATE	ISSUE
1	02.27.2015	Addendum 1
2	03.05.2015	Addendum 1



1 Level 2 (Moseley)  
1/8" = 1'-0"

SEAL



**Perk's Best**  
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 F. 617.449.4049

Owner:  
 Construction Manager:  
 Civil / Site:  
 Landscape:  
 Structural:  
 MEP:

PROJECT TITLE:  
**MOSELEY HALL -  
 LABORATORY  
 SCIENCE TEST FIT**

BOWLING GREEN, OH 43403-0001

PROJECT No: 49780.02  
 DRAWING TITLE:  
**MOSELEY -  
 FURNITURE &  
 EQUIPMENT PLANS  
 LEVEL 2**  
 SCALE: 1/8" = 1'-0"

**A-202**

PROGRESS PRINT

11.13.2014 - DRAFT













