



# APPLICATION FOR VARIANCE

State Form 44400 (R4 / 6-10)

Approved by State Board of Accounts, 2008

INDIANA DEPARTMENT OF HOMELAND SECURITY  
 CODE SERVICE SECTION  
 402 West Washington Street, Room W246  
 Indianapolis, IN 46204-2739  
[http://www.in.gov/dhs/fire/fp\\_bs\\_comm\\_code/](http://www.in.gov/dhs/fire/fp_bs_comm_code/)



**INSTRUCTION:** Please refer to the attached four (4) page instructions.  
 Attach additional pages as needed to complete this application.

Variance number (Assigned by department)

1. APPLICANT INFORMATION <i>(Person who would be in violation if variance is not granted; usually this is the owner)</i>		
Name of the applicant	Title	
<b>Jeff Kaden, P.E.</b>	<b>University Engineer</b>	
Name of organization	Telephone number	
<b>Indiana University</b>	<b>(812) 855-7030</b>	
Address (number and street, city, state, and Zip code)		
<b>1800 North Ridge Road Service Building BL630 Bloomington, Indiana 47408-6950</b>		
2. PERSON SUBMITTING APPLICATION ON BEHALF OF THE APPLICANT <i>(if not submitted by the applicant)</i>		
Name of person on behalf of the applicant	Title	
<b>Edwin L. Rensink</b>	<b>Principal</b>	
Name of organization	Telephone number	
<b>RTM Consultants, Inc.</b>	<b>(317) 329-7700</b>	
Address (number and street, city, state, and Zip code)		
<b>6640 Parkdale Place, Suite J., Indianapolis, Indiana 46254</b>		
3. DESIGN PROFESSIONAL OF RECORD <i>(if applicable)</i>		
Name of design professional	License number	
<b>William A. Browne, Jr., FAIA</b>	<b>4154</b>	
Name of organization	Telephone number	
<b>Ratio Architects</b>	<b>(317) 633-4040</b>	
Address (number and street, city, state, and Zip code)		
<b>101 South Pennsylvania Street Indianapolis, Indiana 46204</b>		
4. PROJECT IDENTIFICATION		
Name of project	State project number	County
<b>Indiana University Informatics Building</b>		<b>Monroe County</b>
Site Address (number and street, city, state, and Zip code)		
<b>Woodland and East Cottage Grove Avenues Bloomington, Indiana 47408</b>		
Type of project: <input checked="" type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Alteration <input type="checkbox"/> Change of Occupancy <input type="checkbox"/> Existing		
5. REQUIRED ADDITIONAL INFORMATION		
The following required information has been included with this application <i>(check as applicable)</i> :		
<input checked="" type="checkbox"/> A check made payable to the Indiana Department of Homeland Security for the appropriate amount. <i>(see instructions)</i>		
<input checked="" type="checkbox"/> One (1) set of plans or drawings and supporting data that describe the area affected by the requested variance and any proposed alternatives.		
<input checked="" type="checkbox"/> Written documentation showing that the local fire official has received a copy of the variance application.		
<input checked="" type="checkbox"/> Written documentation showing that the local building official has received a copy of the variance application.		
6. VIOLATION INFORMATION		
Has the Plan Review Section of the Division of Fire & Building Safety issued a Correction Order?		
Yes <i>(if yes, attach a copy of the Correction Order)</i> <input checked="" type="checkbox"/> No		
Has a violation been issued?    Yes <i>(if yes, attach a copy of the Violation and answer the following)</i> <input checked="" type="checkbox"/> No		
Violation issued by: <input type="checkbox"/> Local Building Department <input type="checkbox"/> State Fire and Building Code Enforcement Section		
<input type="checkbox"/> Local Fire Department		

**7. DESCRIPTION OF REQUESTED VARIANCE**

Name of code or standard and edition involved

**2014 Indiana Building Code**

Specific code section

**1009.3, exc. 4**

Nature of non-compliance (include a description of spaces, equipment, etc. involved as necessary)

**The area of the floor opening containing the 4-story exit access stairway will exceed twice (2.0 times) the projected area of the stairway. Actual is 3.2 times the projected area of the stairway when factoring all floor levels in the aggregate.**

**The building will be 3 stories in height, plus a partial basement. The building will be primarily B Occupancy, but will include some A-3 Occupancy areas. The building will be Type IIB Construction.**

**8. DEMONSTRATION THAT PUBLIC HEALTH, SAFETY, AND WELFARE WILL BE PROTECTED**

Select one of the following statements:

- Non-compliance with the rule will not be adverse to the public health, safety or welfare; or
- Applicant will undertake alternative actions in lieu of compliance with the rule to ensure that granting of the variance will not be adverse to public health, safety, or welfare. Explain why alternative actions would be adequate (be specific).

Facts demonstrating that the above selected statement is true:

- 1. The floor opening will include "skip steps" alongside the egress stair between each floor level. The skip steps are seating risers to allow for space for casual student interaction. When factoring in the area of the skip steps, the size of the floor opening complies - 1.4 times the projected area of the combined egress stair and skip steps. The combined area of the egress stair and the skip steps will "fill up" the opening in the same way that an egress stair alone would.**
- 2. The building will be protected throughout with an automatic sprinkler system. An 18-inch bulkhead with close-spaced sprinklers will be provided at the ceiling level of each floor opening.**
- 3. Based upon the proposed configuration of the stairway and sprinkler protection provided, the size of the floor opening will not be adverse to safety.**

**9. DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE**

Select one of the following statements:

- Imposition of the rule would result in an undue hardship (unusual difficulty) because of physical limitations of the construction site or its utility services
- Imposition of the rule would result in an undue hardship (unusual difficulty) because of major operational problems in the use of the building or structure
- Imposition of the rule would result in an undue hardship (unusual difficulty) because of excessive costs of additional or altered construction elements
- Imposition of the rule would prevent the preservation of An architecturally or a historically significant part of the building or structure.

Facts demonstrating that the above selected statement is true:

**The additional size of the opening on each floor level is necessary to accommodate the skip steps between floor levels.**

**10. STATEMENT OF ACCURACY**

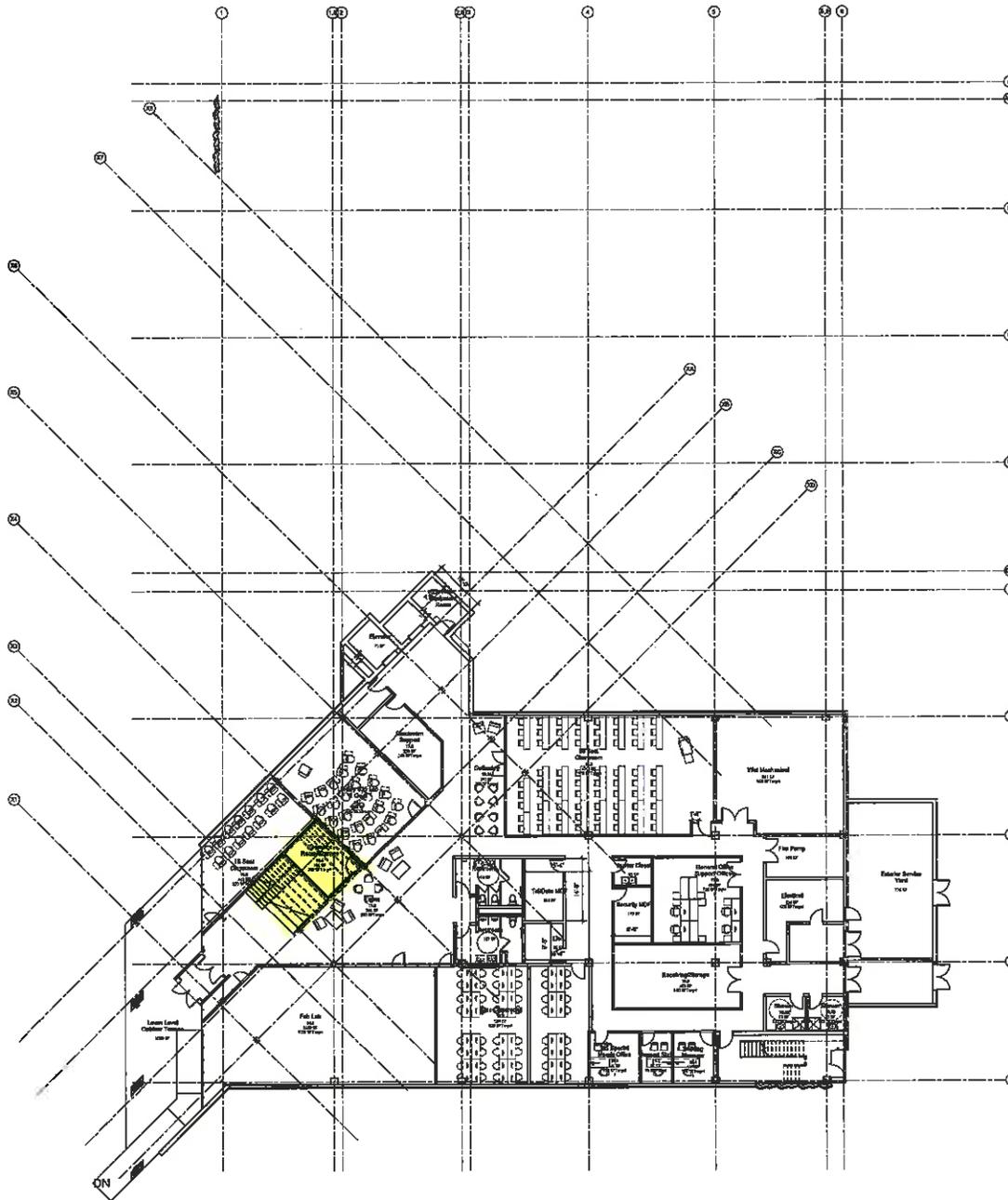
I hereby certify under penalty of perjury that the information contained in this application is accurate

Signature of applicant or person submitting application	Please print name <b>Edwin L. Rensink</b>	Date of signature (month, day, year)
Signature of design professional (if applicable)	Please print name <b>William A. Browne, Jr., FAIA</b>	Date of signature (month, day, year)

**11. STATEMENT OF AWARENESS (If the application is submitted on the applicant's behalf, the applicant must sign the following statement)**

I hereby certify under penalty of perjury that I am aware of this request for variance and that this application is being submitted on my behalf.

Signature of applicant	Please print name <b>Jeff Kaden, P.E.</b>	Date of signature (month, day, year)
------------------------	--	--------------------------------------



**BASE- Basement Level**  
3/02 - 7/07

**IUB Informatics Building**  
Indiana University  
Bloomington  
Woodlawn Ave & Cottage Grove St

Project # 20120283  
Client / User  
Indiana University  
127 S. Indiana Ave.  
Bloomington, IN 47405-7000  
School of Informatics & Computing  
201 E. 10th St.  
Bloomington, IN 47408

Architect / Design Assistant  
RATIO Architecture, Inc.  
Suite 100, Rowland Building  
127 South Pennsylvania Street  
Bloomington, Indiana 47404  
317-453-0943

Full Circle PVI Architects  
655 Chapel Street  
New Haven CT 06511  
203-777-0515

Structural Engineer  
Pirk Roberts & Patis, Inc.  
8449 Priority Way West Drive Suite 200  
Indianapolis, IN 46250  
317-473-5400

Mechanical / Fire Protection  
Harris & Benzard, Inc.  
6500 Hendricks Road, Suite 205  
Indianapolis, IN 46240  
317-453-6333

Electrical / Plumbing  
Everly  
6229 Delaplaine Row Circle 150  
Indianapolis IN 46210  
317-555-0775

AV / IT / Data / Security  
Design 27  
740 E 10th St 88  
Indianapolis, IN 46205  
317-473-5000

Chief Engineer  
Smith Strubbs & Associates  
450 S. Clinton Street  
Bloomington, IN 47401  
317-328-6536

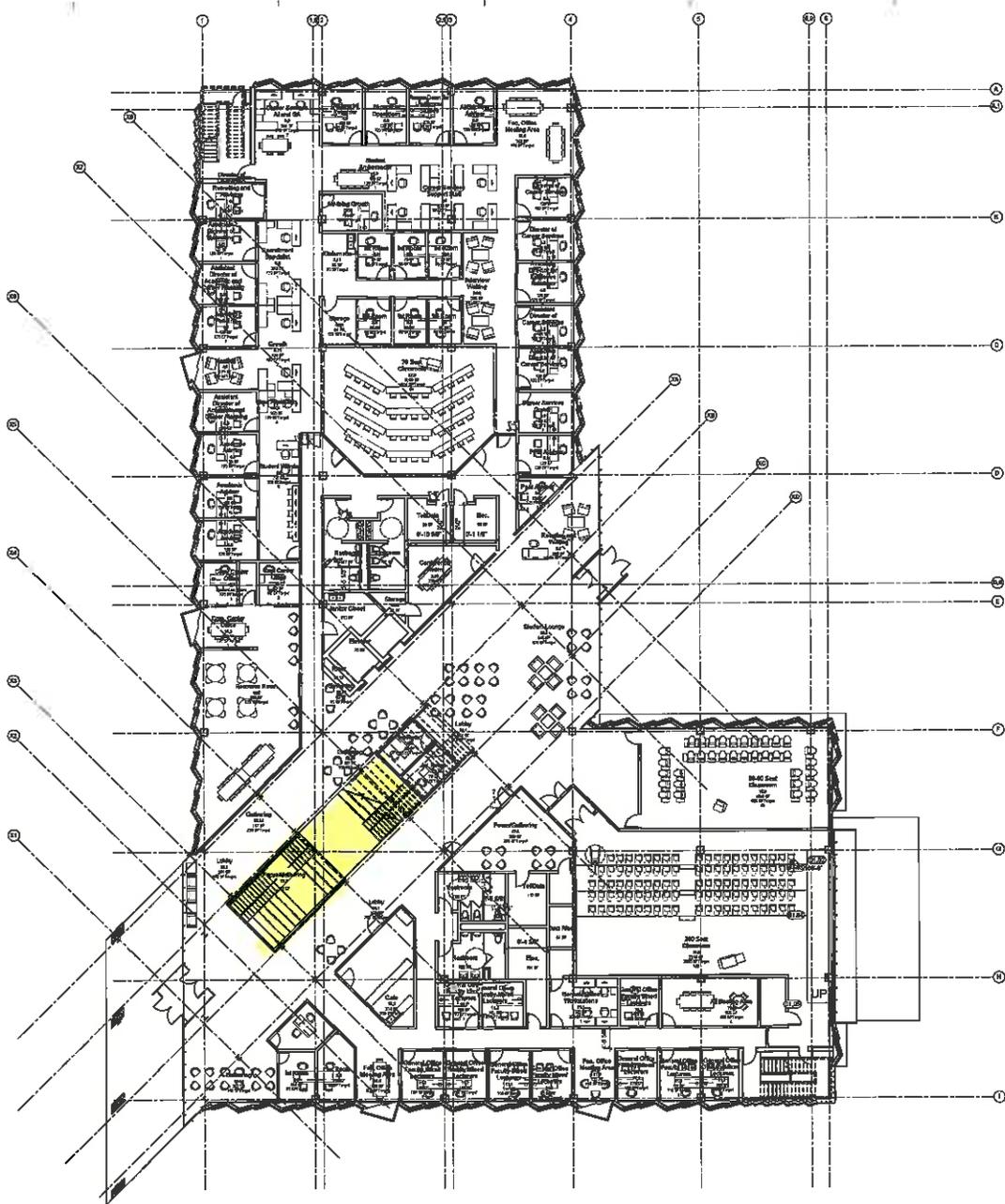
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140729	3D Pricing
140816	30% BD
140915	100% BD
141804	50% BD

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PCPA PROJECT	A1489
RATIO PROJECT	14036.006

**RATIO**  
ARCHITECTURE, INC.  
127 SOUTH PENNSYLVANIA STREET, SUITE 100  
BLOOMINGTON, INDIANA 47404  
317-453-0943  
WWW.RATIOARCHITECTURE.COM

SHEET TITLE  
**BASEMENT FLOOR PLAN**

SHEET NUMBER  
**A-101-2**



**IUB Informatics Building**  
 Indiana University  
 Bloomington  
 Woodlawn Ave &  
 Cottage Grove St

81 Project # 2012233

Owner / User  
 Indiana University  
 137 S. Tenth Ave.  
 Bloomington, IN 47405-7000

School of Informatics & Computing  
 501 E. 10th St.  
 Bloomington, IN 47405

Architect / Design Architect  
 RATIO Architects, Inc.  
 Suite 400, Reister Building  
 127 South Pennsylvania Street  
 Indianapolis, IN 46204  
 317-433-4040

Paula Charles Paul Architects  
 1206 Canal Street  
 New Haven CT 06511  
 203-777-0515

Structural Engineer  
 Fink Roberts & Pabst, Inc.  
 2449 Henry Way West Drive Suite 200  
 Indianapolis, IN 46240  
 317-473-8100

Mechanical / Fire Protection  
 Hines & Barzozzi, Inc.  
 6200 Harvard Road, Suite 205  
 Indianapolis, IN 46240  
 317-428-3300

Electrical / Plumbing  
 ErwinCo  
 2225 Deerpark Road Suite 130  
 Indianapolis, IN 46240  
 317-734-2576

MEP / IT / Data / Security  
 Design 27  
 719 N. Canal St # 20  
 Indianapolis, IN 46206  
 317-428-8000

Civil Engineer  
 Smith Brothers & Associates  
 409 S. Center St.  
 Bloomington, IN 47401  
 317-334-2835

REVISIONS

548728	SD Pricing
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548918	60% DD
541104	50% DD

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PCFA PROJECT  
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RATIO PROJECT  
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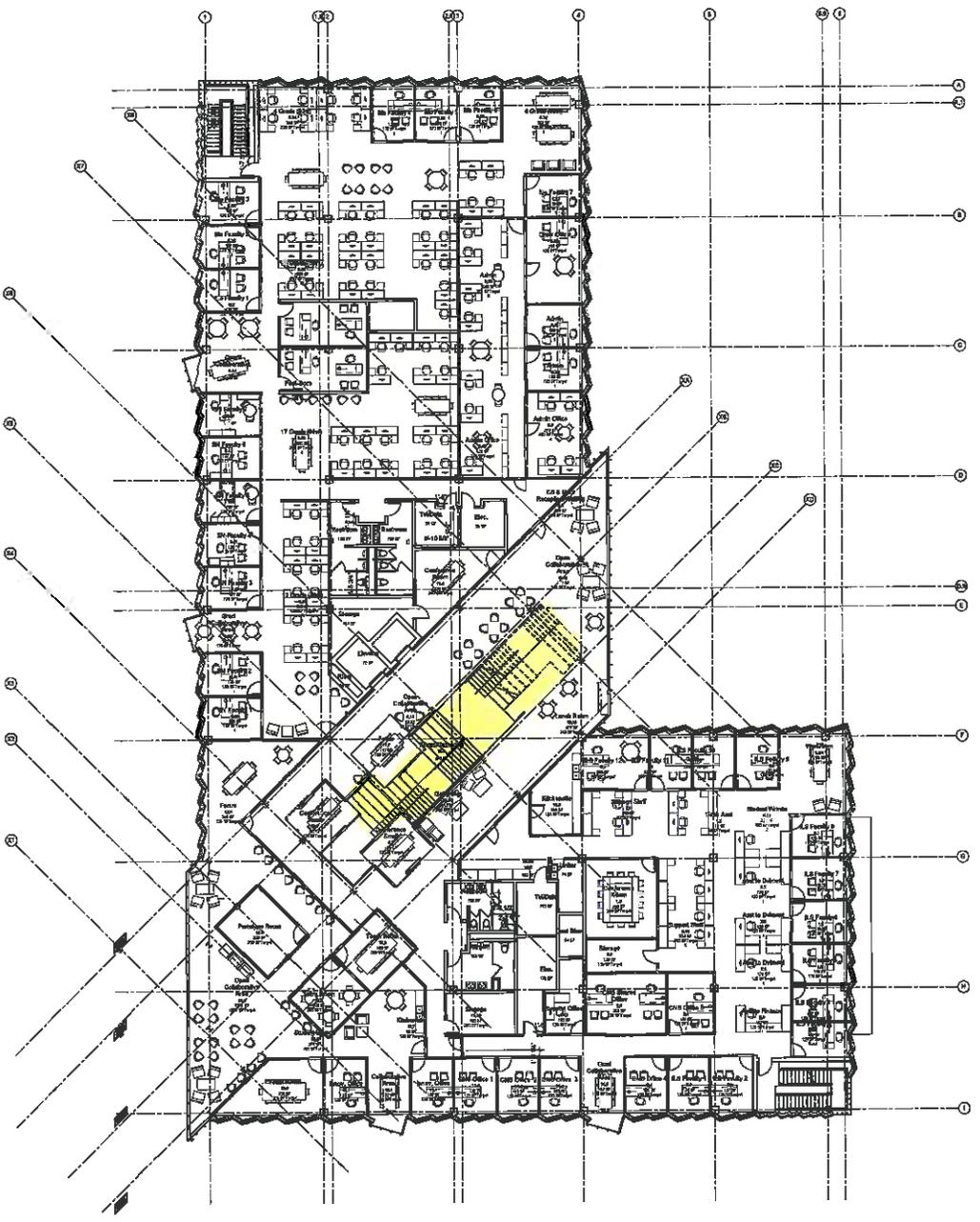
CONVENTION OF THIS SHEET WITH THE  
 CONVENTION OF THE OTHER SHEETS OF THIS  
 PROJECT SHALL BE THE BASIS FOR THE  
 INTERPRETATION OF THIS SHEET.  
 THE ARCHITECT ASSUMES NO LIABILITY FOR  
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 ASSUMES ALL LIABILITY FOR THE  
 INFORMATION CONTAINED HEREIN.  
 RATIO ARCHITECTS, INC.

**RATIO**

SHEET TITLE  
**FIRST FLOOR PLAN**

SHEET NUMBER  
**A-102-2**

**FIRST LEVEL FLOOR PLAN**  
 1/2" = 1'-0"




**SECOND LEVEL FLOOR PLAN**  
 3/27 - 1/10"

**IUB informatics Building**

Indiana University  
 Bloomington  
 Woodlawn Ave &  
 Cottage Grove St

IJ Project # 2010210  
 Owner / User  
 Indiana University  
 107 S. Indiana Ave.  
 Bloomington, IN 47405-7000

School of Informatics & Computing  
 601 S. 10th St.  
 Bloomington, IN 47406

Architect / Design Architect  
 BRTB Architects, Inc.  
 601 S. 10th Building  
 137 South Pennsylvania Street  
 Indianapolis, IN 46204  
 317-422-4200

Full Circle Full Architects  
 1209 Chapel Street  
 New Haven CT 06511  
 203-777-0818

Structural Engineer  
 First Roberts & Parke, Inc.  
 2440 Priority Way West Cross Gate 200  
 Indianapolis, IN 46240  
 317-472-4400

Mechanical / Fire Protection  
 Reiss & Strutzman, Inc.  
 4250 Hawthorne Road, Suite 205  
 Indianapolis, IN 46240  
 317-438-8303

Electrical / Plumbing  
 Electrical  
 8025 Delaware Row Gate 100  
 Indianapolis IN 46240  
 317-738-0978

Design / FF  
 740 E. 42nd St. # 208  
 Indianapolis, IN 46206  
 317-438-4000

Civil Engineer  
 Smith Brothers & Associates  
 405 S. Center Blvd.  
 Bloomington, IN 47401  
 317-335-4836

REVISION

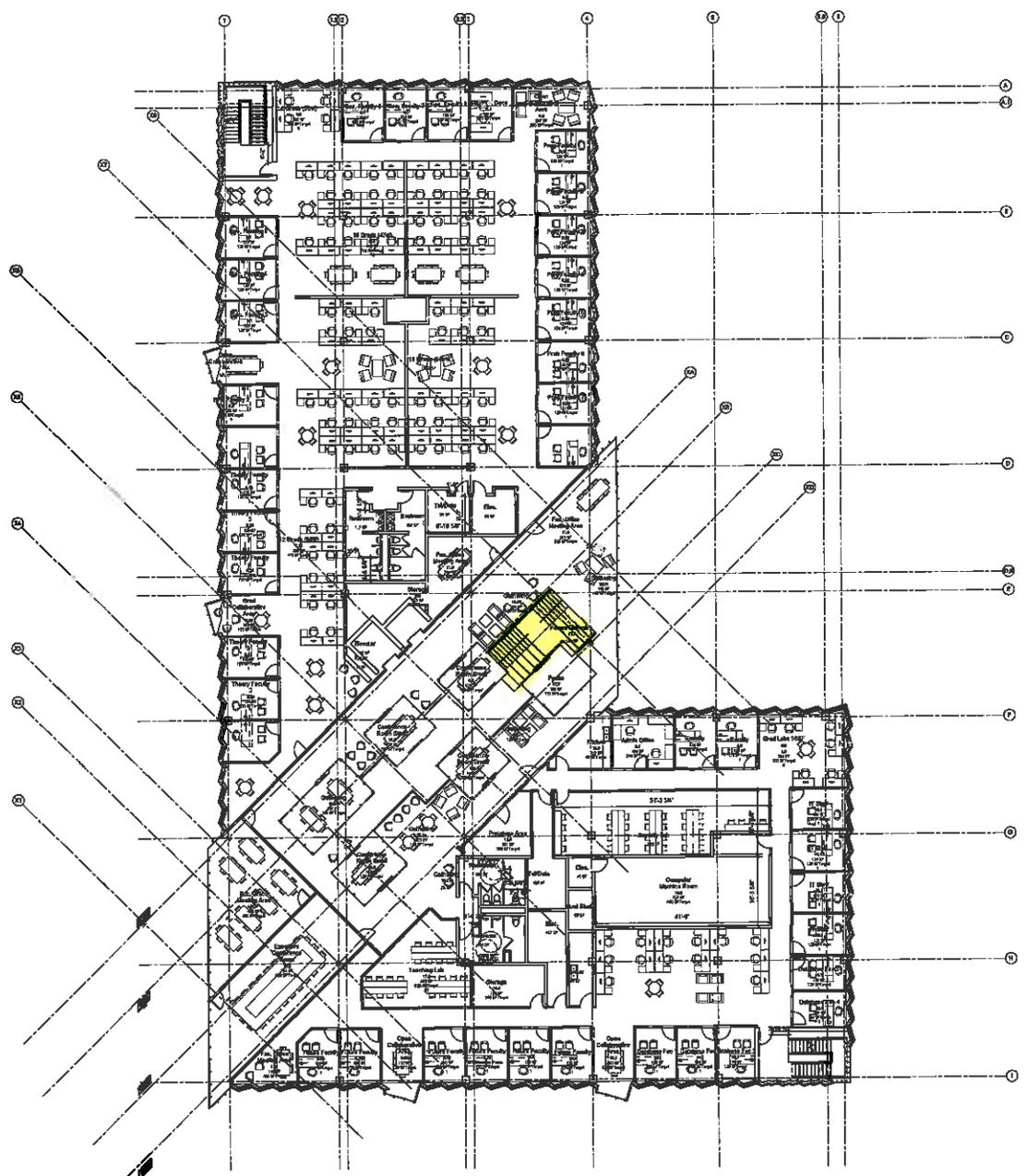
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PCPA PROJECT	A1490
RATIO PROJECT	14038,000

RATIO  
 SHEET TITLE  
**SECOND FLOOR PLAN**

SHEET NUMBER  
**A-103-2**



**BASE-Third Level**  
3/27/14

**IUB Informatics Building**  
 Indiana University  
 Bloomington  
 Woodlawn Ave &  
 Cottage Grove St

Project # 20110220

Owner / User  
 Indiana University  
 527 E. Indiana Ave.  
 Bloomington, IN 47403-1000

School of Informatics & Computing  
 501 E. 10th St.  
 Bloomington, IN 47406

Architect / Design Architect  
 RATIO Architects, Inc.  
 Suite 110, Schuster Building  
 107 South Pennsylvania Street  
 Indianapolis, Indiana 46204  
 317-633-4240

Principal Architect  
 Paul Charles Pull Architects  
 1000 Chestnut Street  
 New Haven, CT 06511  
 203-774-2515

Structural Engineer  
 FINEK Richards & Peble, Inc.  
 2449 Priority Way West Drive Suite 200  
 Indianapolis, IN 46221  
 317-472-8400

Mechanical / Fire Protection  
 Rowe & Berzetti, Inc.  
 6200 Homewood Road, Suite 200  
 Indianapolis, IN 46250  
 317-534-5263

Electrical / Plumbing  
 Erwin/By  
 8228 Delagates Row Suite 100  
 Indianapolis, IN 46240  
 317-738-8070

IT / Data / Security  
 Design 37  
 740 E. 62nd St # 18  
 Indianapolis, IN 46206  
 317-436-8000

Civil Engineer  
 Smith Breinholt & Associates  
 485 N. Chippewa Street  
 Bloomington, IN 47401  
 812-336-8326

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RESUME

140729	SD Pricing
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PCIA PROJECT  
 A140

RATIO PROJECT  
 1402A.DD

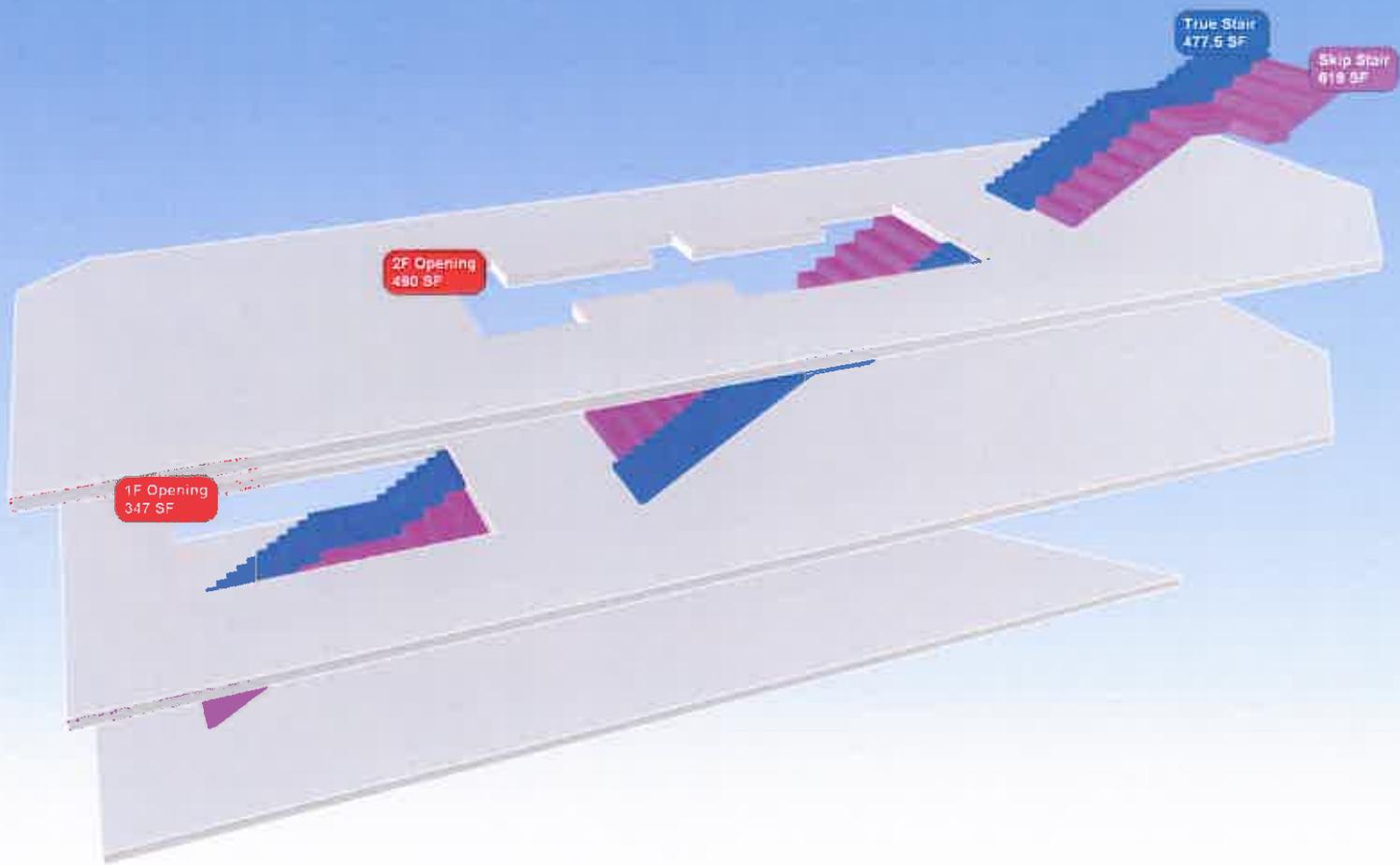
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SHEET TITLE  
**THIRD FLOOR PLAN**

SHEET NUMBER  
**A-104-2**



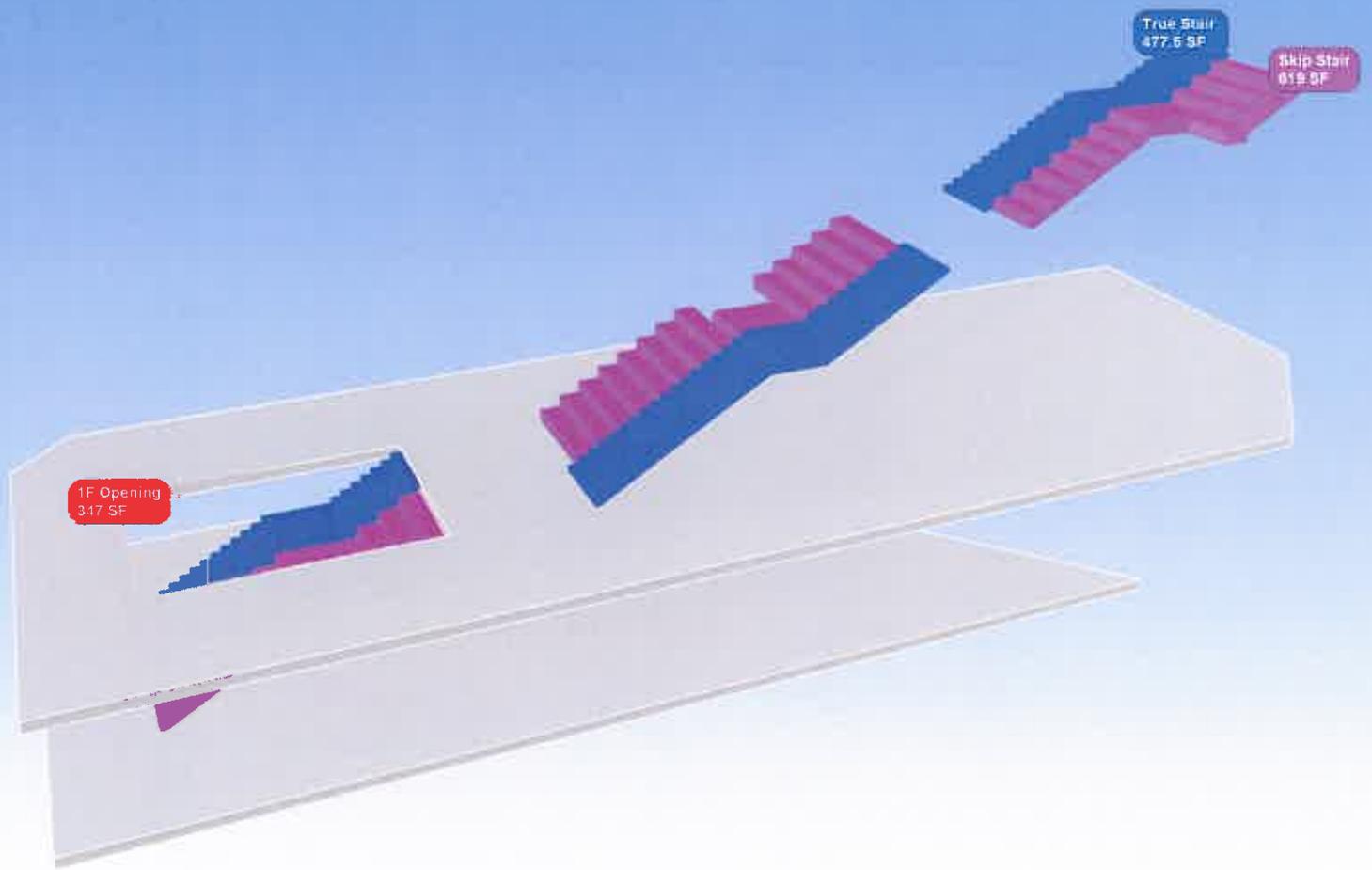
All Openings: 1566 sf  
All Stairs: 1096 sf (PASS)  
Actual Stairs: 478 (FAIL)

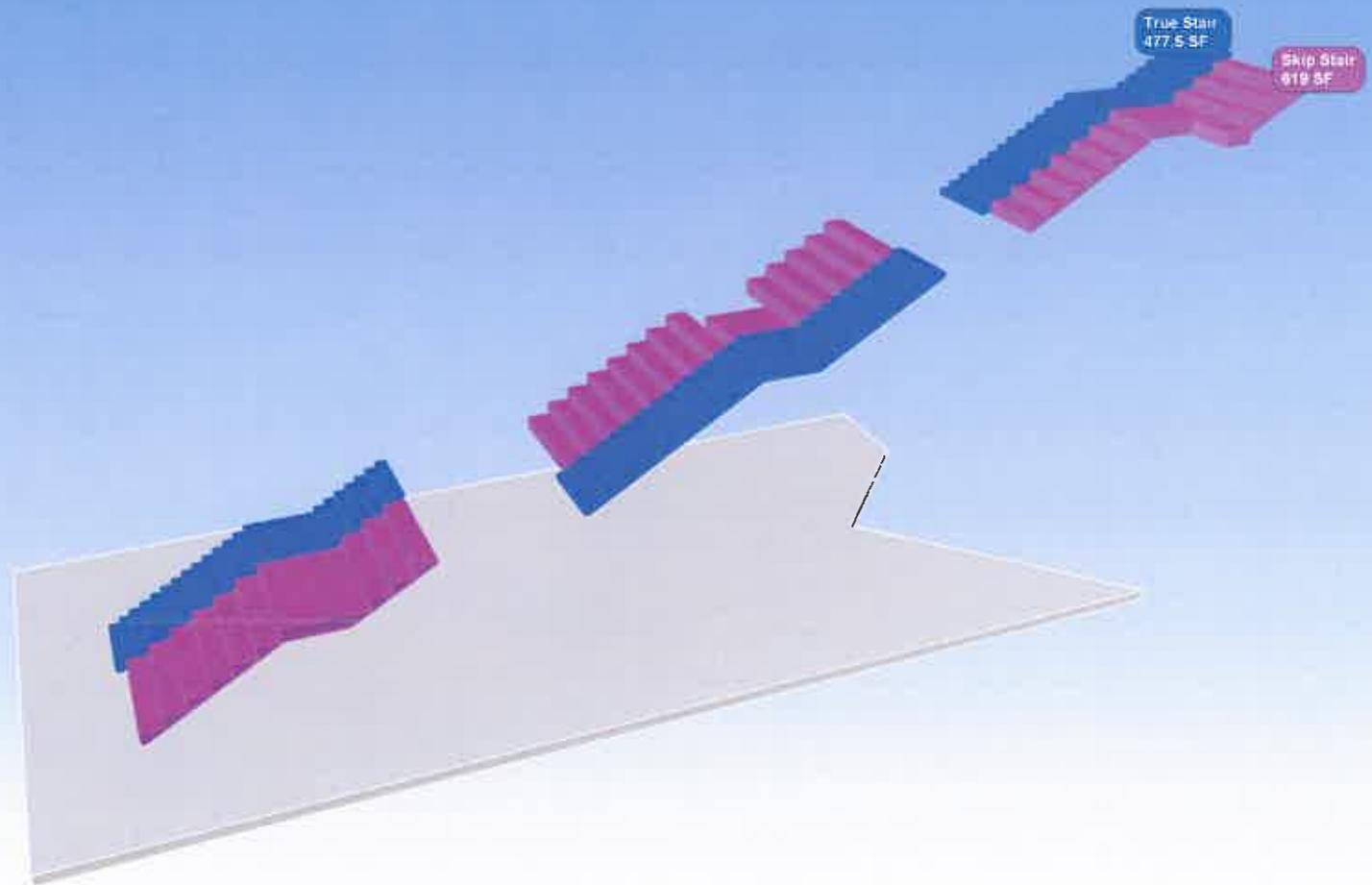


1F Opening  
347 SF

True Stair  
477.6 SF

Ship Stair  
619 SF







3rd Floor Perspective Looking NE



3rd Floor Perspective Looking SW



1st Floor Perspective Looking NE

**IUB Informatics Building**  
**Indiana University**  
**Bloomington**  
**Woodlawn Ave & Cottage Grove St**

IU Project # 2012081

**Owner / User**  
 Indiana University  
 307 S. Indiana Ave.  
 Bloomington, IN 47403-7000

**School of Informatics & Computing**  
 307 S. 10th St.  
 Bloomington, IN 47403

**Architect / Design Architect**  
 RATIO Architects, Inc.  
 Suite 100, Schroeder Building  
 537 South Fortyeighth Street  
 Indianapolis, Indiana 46204  
 317-433-4500

**Full Service PM Architect**  
 1000 Canal Street  
 303 S. Moore St  
 303-779-0311

**Structural Engineer**  
 Fink Roberts & Pugh, Inc.  
 6440 Priority View Blvd Olive Dale 200  
 Indianapolis, IN 46240  
 317-473-4000

**Mechanical / Fire Protection**  
 Ryan S. Benschel, Inc.  
 2090 Hawthorne Road, Suite 200  
 Indianapolis, IN 46243  
 317-438-4281

**Electrical / Plumbing**  
**Electricity**  
 Ryan S. Benschel, Inc.  
 2090 Hawthorne Road Suite 200  
 Indianapolis, IN 46243  
 317-438-4281

**AV / IT / Data / Security**  
**Design 27**  
 114 S. Canal Street  
 Indianapolis, IN 46205  
 317-438-8000

**Civil Engineer**  
 Smith Brubaker & Associates  
 422 S. Center Street  
 Bloomington, IN 47401  
 317-335-8338

**REVISION**

144928	SD Pricing
144918	50% SD
144915	100% SD
141904	50% SD

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PCPA PROJECT

A1400

RATIO PROJECT

14038,000

**RATIO**  
 ARCHITECTS, INC.  
 537 SOUTH FORTYEIGHTH STREET  
 INDIANAPOLIS, IN 46204  
 317-433-4500  
 WWW.RATIOARCHITECTS.COM

**SHEET TITLE**  
**INTERIOR**  
**PERSPECTIVES**

**SHEET NUMBER**

**A-904**



Section Perspective Boxes 1

**IUB Informatics Building**  
**Indiana University**  
**Bloomington**  
**Woodlawn Ave & Cottage Grove St**

SI Project # 1012880  
 Owner / User  
 Indiana University  
 127 S. Indiana / vs.  
 Bloomington, IN 47405-1300  
 School of Informatics & Computing  
 821 E. 10th St.  
 Bloomington, IN 47408

Architect / Design Architect  
 RACIO Architects, Inc.  
 Suite 100, Schroder Building  
 127 South Pennsylvania Street  
 Indianapolis, Indiana 46204  
 317-433-3340

Full Client / Full Architects  
 1000 Chapel Street  
 New Haven CT 06511  
 203-777-2016

Structural Engineer  
 Flink Roberts & Peifer, Inc.  
 3444 Priority Way West Drive Suite 200  
 Indianapolis, IN 46202  
 317-473-4900

Mechanical / Fire Protection  
 Rowe & Barotzki, Inc.  
 6220 Haverstick Road, Suite 285  
 Indianapolis, IN 46210  
 317-438-4333

Electrical / Plumbing  
 Specialty  
 6220 Haverstick Road Suite 100  
 Indianapolis, IN 46210  
 317-470-5070

AV / Tele / Data / Security  
 Design 27  
 110 E. 10th St. # 200  
 Indianapolis, IN 46206  
 317-436-4030

Civil Engineer  
 Smith Brothers & Associates  
 429 S. Clinton Street  
 Bloomington, IN 47401  
 812-339-0506

REVISIONS

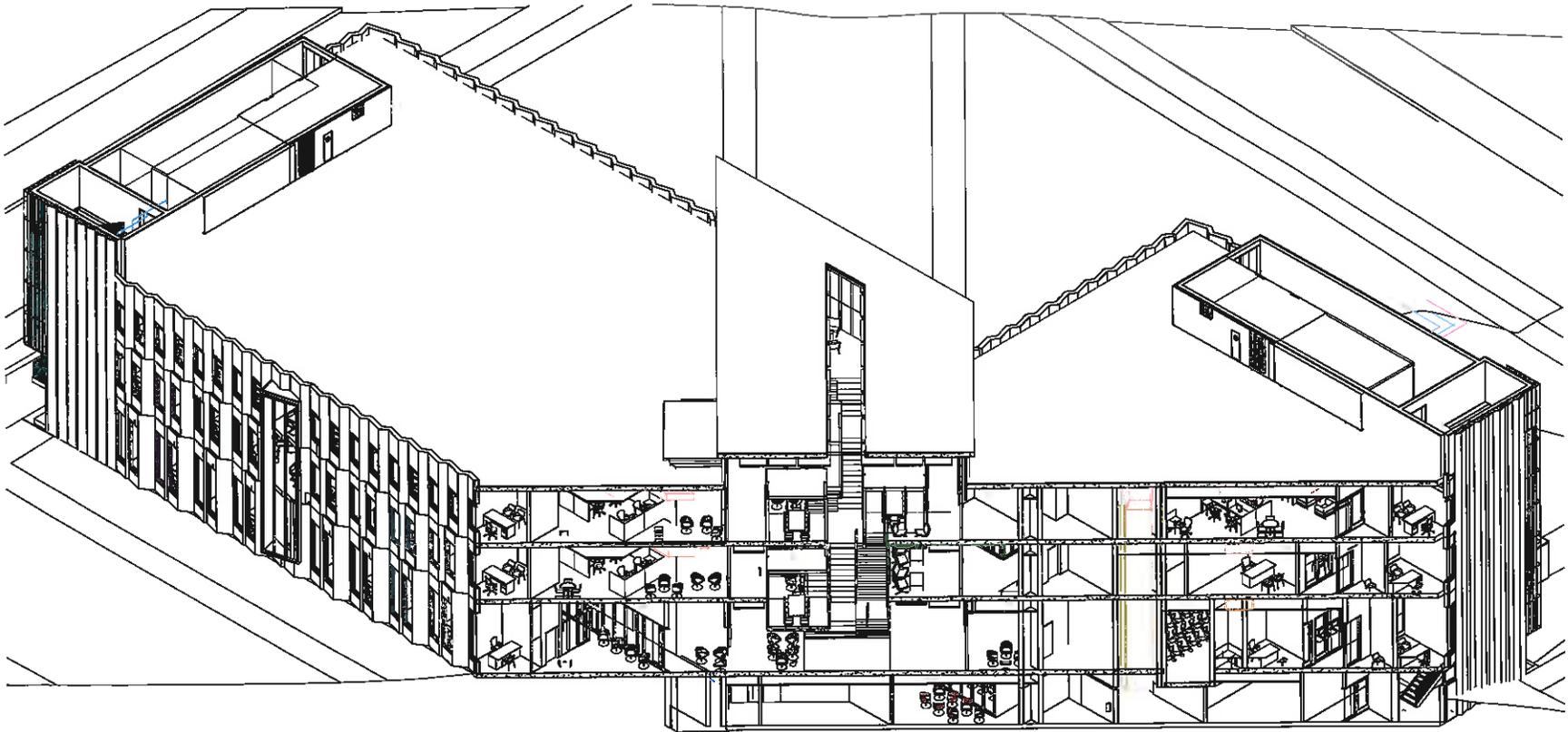
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144985	100% SD
145164	30% DD

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PCPA PROJECT	A1400
RATIO PROJECT	14008.000

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**SHEET TITLE**  
**INTERIOR PERSPECTIVES**

**SHEET NUMBER**  
**A-305**



Section Perspective Boxes 3

**IUB Informatics Building**  
 Indiana University  
 Bloomington  
 Woodlawn Ave &  
 Cottage Grove St

SI Project # 20125961  
 Owner / User  
 Indiana University  
 157 S. Indiana Ave.  
 Bloomington, IN 47403-1300  
 School of Informatics & Computing  
 801 E. 100 St.  
 Bloomington, IN 47403

Architect / Design Architect  
 FATHO Architects, Inc.  
 Suite 100, Schroeder Building  
 107 South Pennsylvania Street  
 Indianapolis, Indiana 46204  
 317-624-6340

Full Service PM/Architects  
 P&H Clark P&H Architects  
 1058 Chapel Street  
 New Haven, CT 06511  
 203-771-2015

Structural Engineer  
 Fink Richards & Pappo, Inc.  
 6440 Priority View Drive Suite 200  
 Indianapolis, IN 46240  
 317-475-6943

Mechanical / Fire Protection  
 Ross & Parozicki, Inc.  
 8250 Harveston Road, Suite 208  
 Indianapolis, IN 46240  
 317-624-4381

Electrical / Plumbing  
 ERM/EPG  
 2225 Delaware Row Suite 150  
 Indianapolis, IN 46240  
 317-624-6270

IT / Data / Security  
 Design 87  
 102 S. State St. #6  
 Indianapolis, IN 46205  
 317-338-8000

Civil Engineer  
 Barto Marvick & Associates  
 433 E. Center Street  
 Bloomington, IN 47401  
 812-326-6028

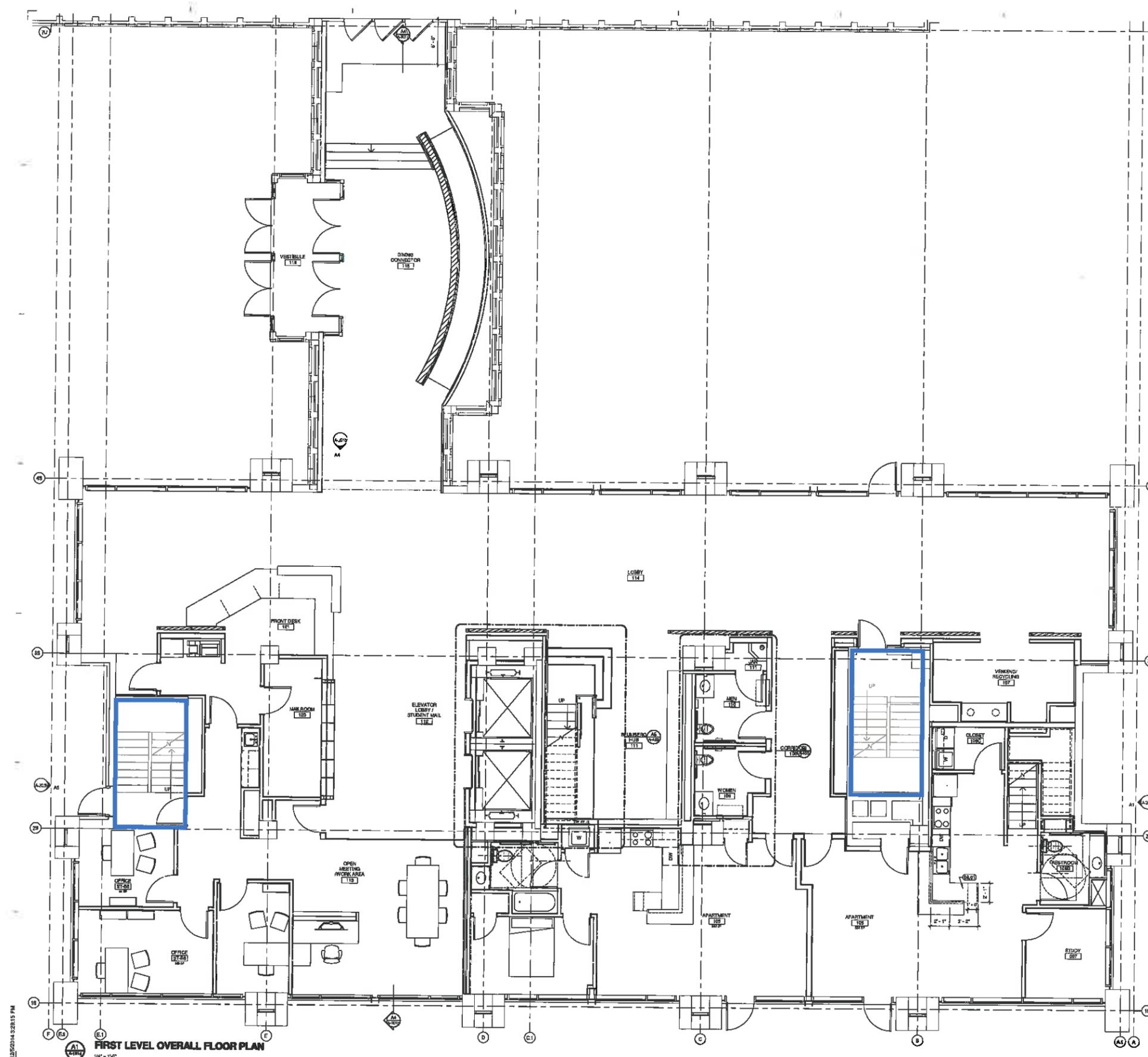
PERCENT	
940725	50 Pricing
940915	50% BD
940915	100% BD
941104	50% DD

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PCPA PROJECT	151409
RATIO PROJECT	14608.000

**RATIO**  
APPROVED FOR THE USE OF THIS DRAWING FOR THE PROJECT AND SITE SHOWN HEREON. THE ARCHITECT ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS IN THIS DRAWING. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE ARCHITECT'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES RENDERED BY HIMSELF OR HIS FIRM.

**PROJECT TITLE**  
 INTERIOR  
 PERSPECTIVES

**SHEET NUMBER**  
 A-307



12/04/14 3:28:15 PM  
 ALL  
 1/4" = 1'-0"

**FIRST LEVEL OVERALL FLOOR PLAN**

**KEYNOTES - FLOOR PLANS**

- 01.00 (GENERAL NOTES)
- 01.01 CENTER WALL ON COLUMN LINE
- 01.02 MECHANICAL, ELECTRICAL AND/OR PLUMBING CHASE
- 01.03 VENDING MACHINE (OPC)
- 01.05 ICE MACHINE (OPC)
- 01.08 CHANGE MACHINE (OPC)
- 01.07 CUT EXIST AND DRIP EXISTING RAILING TO ACCOMMODATE NEW DOOR OPENING
- 02.00 (CONCRETE)
- 02.01 NEW CONCRETE SLAB INHILL
- 02.02 REPAIR CRACKS IN SLAB & SEAL COAT CONCRETE SLAB
- 04.00 MASONRY
- 04.01 REPAIR EXISTING MASONRY OPENING
- 08.00 (METALS)
- 08.02 NEW STEEL COLUMN
- 08.04 GLASS HANDRAIL
- 08.05 COLD FORMED STUD COLUMN
- 08.06 (WOOD & PLASTIC)
- 08.01 CASEROOM - SEE ELEVATIONS
- 08.08 COUNTERTOP
- 08.07 WOOD SHELF & FLOOR
- 08.09 WOOD SLAT SCREEN WALL
- 08.10 STUDENT MESSAGE CENTER
- 08.11 WALL-MOUNTED SHELF
- 07.00 (THERMAL & WEATHER PROTECTIONS)
- 07.01 5/8" GYB OVER 2" RIGID INSULATION ON 2" FURRING STRIPS
- 07.02 R-15 BATT INSULATION IN STUD CAVITY
- 07.03 R-21 BATT INSULATION IN CAVITY
- 07.04 FINISH TOP SLAB EDGE
- 09.00 (FINISHES)
- 09.01 ALUMINUM CURTAINWALL GLAZING SYSTEM (7' 1/4" DEPTH)
- 09.02 ALUMINUM STONEFRONT GLAZING SYSTEM
- 09.03 ALUMINUM WINDOW SYSTEM
- 09.04 ALUMINUM LOUVERS W/ INSULATED BACKPAN (EXCEPT WHERE NOTED AS ACTIVE ON MECHANICAL DRAWINGS)
- 09.05 ALUMINUM GLAZING SYSTEM
- 09.06 INTERIOR ALUMINUM FRAMING
- 09.07 FRAMELESS GLASS PARTITION
- 09.10 ALUMINUM CURTAINWALL GLAZING SYSTEM (8" DEPTH W/ CAP)
- 09.11 ALUMINUM ISO CURTAINWALL SYSTEM
- 09.12 CARD READER
- 09.14 INTEGRAL ALUMINUM SILL EXTENSION
- 09.15 ISO ALUMINUM SPANDREL PANEL W/ ALUMINUM ANGLE FINIS
- 09.17 AUTO-OPEN CONTROL LOCATION WITH ADDED ACTIVATION BY PROXIMITY CARD READER
- 09.09 (FINISHES)
- 09.01 PAINTED METAL REVEAL TO MATCH WALL COLOR
- 09.02 PAINT EXPOSED CONCRETE WHITE
- 09.05 1/2" REVEAL THRESHOLD
- 09.06 CONCRETE SHOWER CURB W/ TILE FINISH
- 09.07 GLASS MASONRY/CORNER
- 09.08 FLUSH METAL CORNER GUARD
- 09.09 APPLIED SB CORNER GUARD
- 09.10 METAL "L" TRIM
- 10.00 (SPECIALTIES)
- 10.01 HALLMARKER
- 10.02 SOLID PNEUMATIC PARTITIONS (EQUIPMENT)
- 11.00 (EQUIPMENT)
- 11.01 WALL-MOUNT VIDEO MONITOR (OPC), PROVIDE BLOCKING @ CONNECTIONS
- 12.00 (FINISHES)
- 12.00 (SPECIAL CONSTRUCTION)
- 12.01 SOLID PNEUMATIC LOCKERS
- 22.00 (PLUMBING)
- 22.01 WATER COOLER
- 22.02 SINK
- 23.01 BASEBOARD AIR CARNET/RADIANT HEATER (ELECTRICAL)
- 23.02 (ELECTRICAL)

**BLUMBERG HALL RENOVATION**  
 Indiana State University  
 Terre Haute, IN

**Owner**  
 INDIANA STATE UNIVERSITY  
 200 North 7th Street  
 Terre Haute, IN 47603-1902  
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 Fishers, IN 46037  
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KEY PLAN

**DESIGN DEVELOPMENT**  
 DECEMBER 5, 2014

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**RATIO**

SHEET TITLE  
**FIRST FLOOR PLAN  
 BLUMBERG BUILDING**

SHEET NUMBER  
**A-101d**

**BLUMBERG HALL RENOVATION**  
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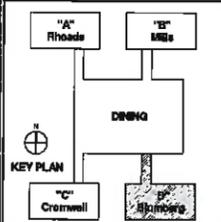
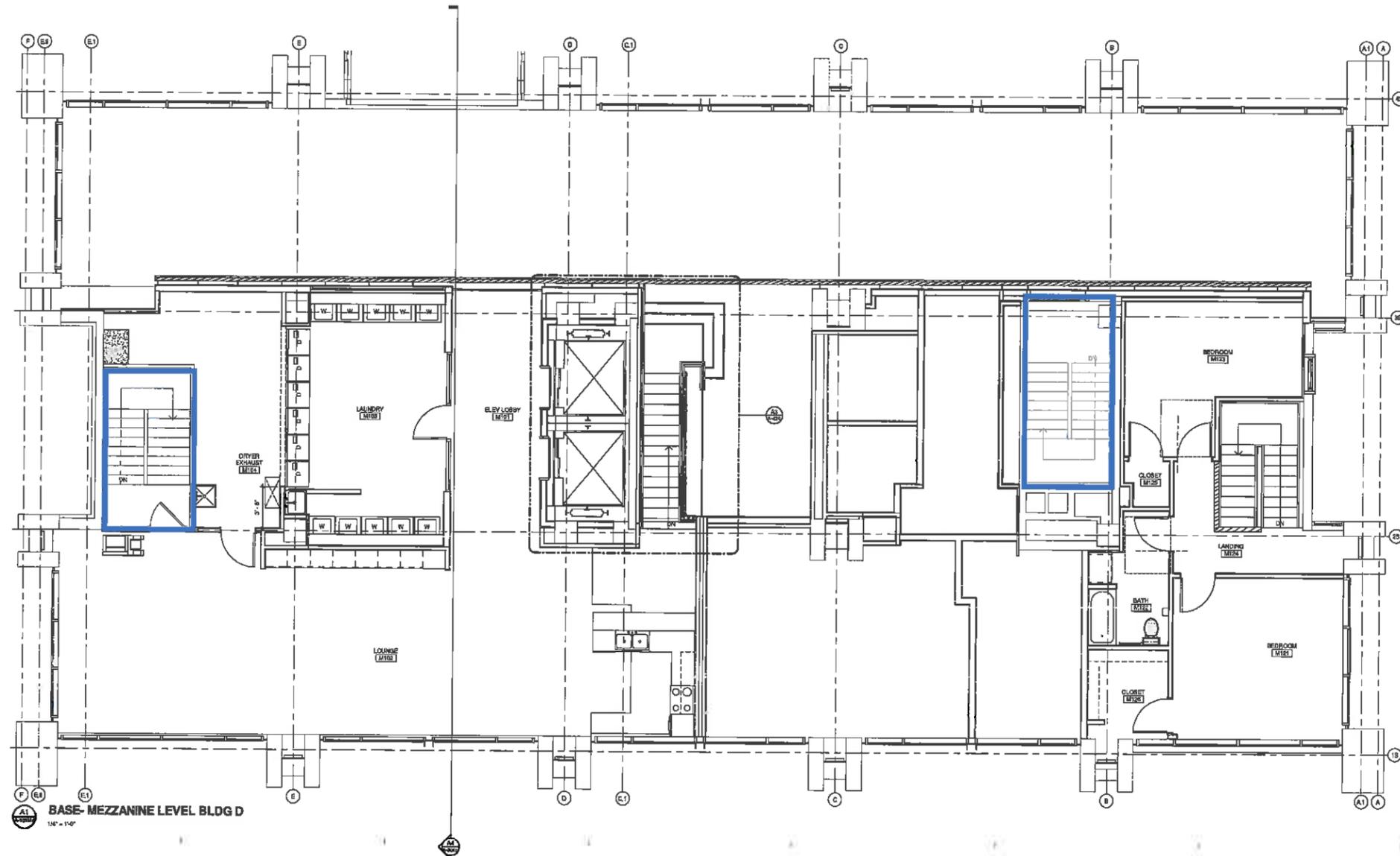
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317-294-9152

**KEYNOTES - FLOOR PLANS**

- 01.00 GENERAL NOTES
- 01.01 CENTER WALL ON COLLAR LINE
- 01.02 MECHANICAL, ELECTRICAL AND/OR PLUMBING CHASE
- 01.03 VENDING MACHINES (DPO)
- 01.04 ICE MACHINES (DPO)
- 01.05 CHANGE MACHINE (DPO)
- 01.07 CUT SHORT AND CAP EXISTING RAILING TO ACCOMMODATE NEW DOOR OPENING
- (CONCRETE)
- 02.03 NEW CONCRETE SLAB INFILL
- 02.02 REPAIR CRACKS IN SLAB & SEAL COAT CONCRETE SLAB (BASISQTY)
- 04.01 INFILL EXISTING MASONRY OPENING
- 03.00 (METALS)
- 03.02 NEW STEEL COLLARS
- 03.04 GLASS HANDWALL
- 03.09 COLD FORMED STEEL COLUMN
- 03.06 (WOOD & PLASTICS)
- 06.01 CABSINOKE - SEE ELEVATIONS
- 06.02 COUNTERTOP
- 06.07 WOOD SHELF & RISC
- 06.08 WOOD SLAT SCREEN WALL
- 06.10 STUDENT MESSAGE CENTER
- 06.11 WALL-MOUNTED SHELF
- 07.00 (INTERNAL & EXTERNAL PROTECTION)
- 07.01 SFP GWS COVER 2" FIBER INSULATION ON 2" Z-PURGING STRIPS
- 07.02 R-15 BATT INSULATION IN STUD CAVITY
- 07.03 R-15 BATT INSULATION IN STUD CAVITY
- 07.04 FINISH TOP SLAB EDGE
- 06.03 (OPENINGS)
- 06.01 ALUMINUM CURTAINWALL GLAZING SYSTEM (7 1/4" DEPTH)
- 06.02 ALUMINUM STOREFRONT GLAZING SYSTEM
- 06.03 ALUMINUM WINDOW SYSTEM
- 06.04 ALUMINUM LOCKERS W/ INSULATED BACKPAN (EXCEPT WHERE NOTED AS NOTIVE ON MECHANICAL DRAWINGS)
- 06.05 ALUMINUM SSO GLAZING SYSTEM
- 06.06 INTERIOR ALUMINUM FRAMING
- 06.07 FRAMELESS GLASS PARTITION
- 06.10 ALUMINUM CURTAINWALL GLAZING SYSTEM (5" DEPTH W/ CAP)
- 06.11 ALUMINUM SSO CURTAINWALL SYSTEM
- 06.12 CANT READER
- 06.14 INTEGRAL ALUMINUM SILL EXTENSION
- 06.15 SSO ALUMINUM SPANDREL PANEL W/ ALUMINUM ANGLE FIN
- 06.17 AUTO-OPEN CONTROL LOCATION WITH ADDED ACTIVATION BY PROXIMITY CARD READER
- 06.30 (FINISHES)
- 06.01 PAINTED METAL REVEAL TO MATCH WALL COLOR
- 06.02 PAINT EXPOSED CONCRETE WHITE
- 06.06 1/2" BEVELED THRESHOLD
- 06.08 CONCRETE SHOWER CURB W/ TILE FINISH
- 06.07 GLASS MIRROR/BACK
- 06.08 FLUSH METAL CORNER GUARD
- 06.09 APPLIED BR CORNER GUARD
- 06.10 METAL 1" TSM
- 16.00 (SPECIALTY)
- 15.01 BALKS/DECK
- 15.02 SOLID PHENOLIC PARTITIONS
- 11.00 (EQUIPMENT)
- 11.01 WALL-MOUNTED VIDEO MONITOR (DPO), PROVIDE BLOCKING @ CONNECTIONS
- 12.00 (PLUMBING)
- 12.06 (SPECIAL CONSTRUCTION)
- 13.01 SOLID PHENOLIC LOCKERS
- 22.01 (PLUMBING)
- 22.01 WATER COOLER
- 23.03 (HVAC)
- 23.01 BASEBOARD AIR CABINET/RADIANT HEATER
- 26.00 (ELECTRICAL)



DESIGN DEVELOPMENT  
DECEMBER 5, 2014

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SHEET TITLE  
**MEZZANINE FLOOR PLAN BLUMBERG BUILDING**

SHEET NUMBER  
**A-101Md**

# BLUMBERG HALL RENOVATION

Indiana State University  
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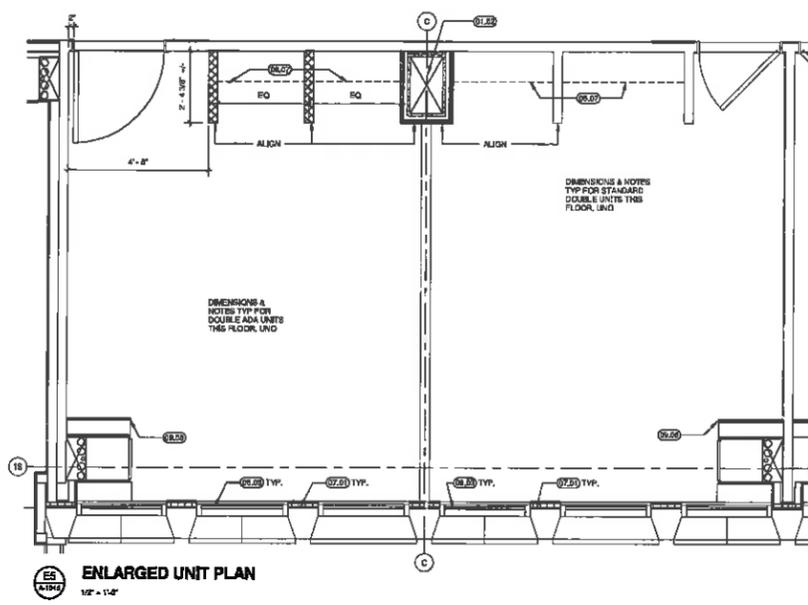
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## KEYNOTES - FLOOR PLANS

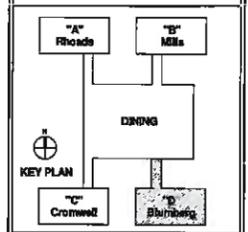
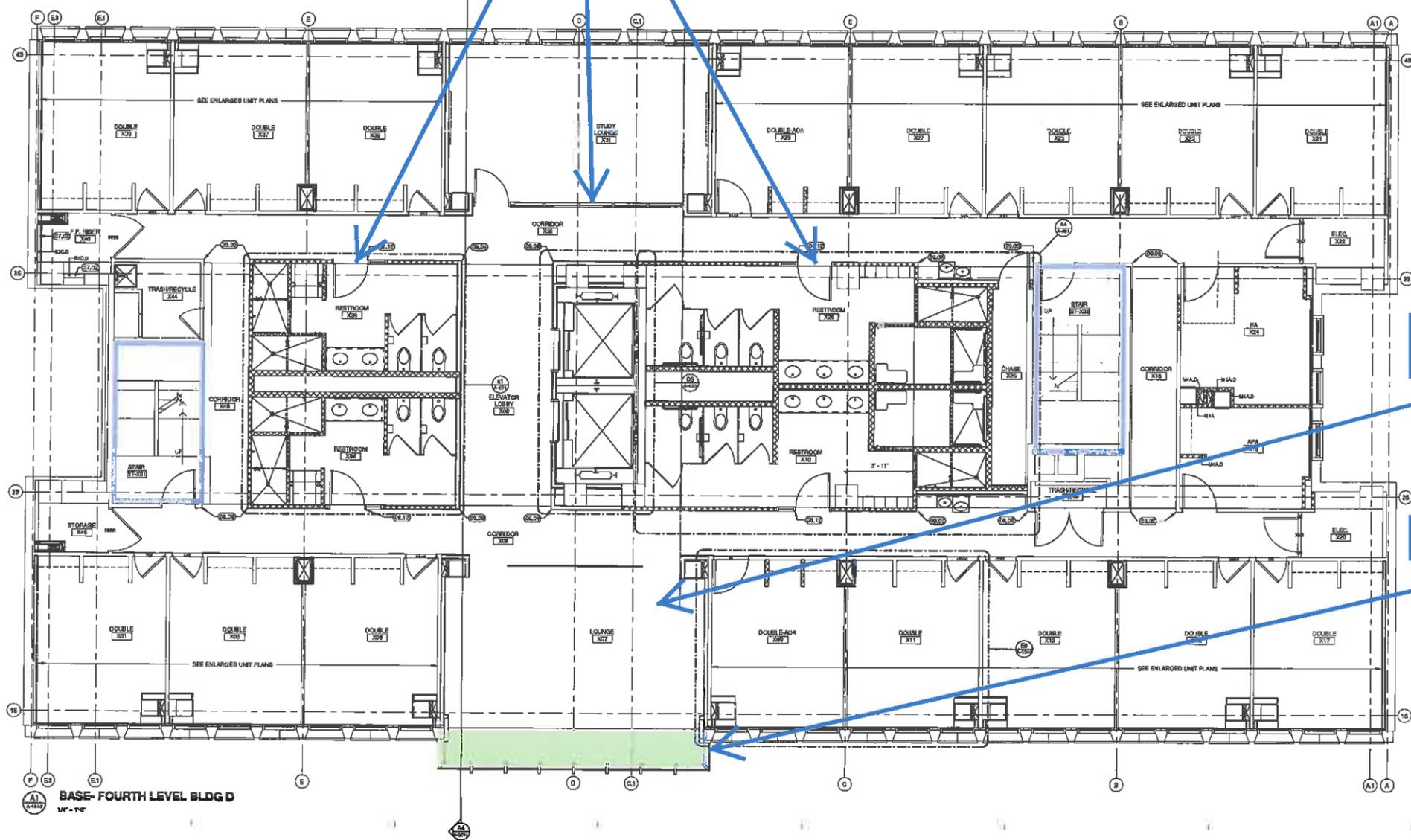
- 01.00 (GENERAL NOTES)
- 01.01 CENTER WALL ON COLUMN LINE
- 01.02 MECHANICAL, ELECTRICAL AND/OR PLUMBING CHASE
- 01.03 VENDING MACHINE (VCM)
- 01.04 ICE MACHINE (ICM)
- 01.05 CHANGE MACHINE (CM)
- 01.06 CLIFF MOUNT AND CAP EXISTING FINISH TO COORDINATE NEW DOOR OPENINGS
- 03.00 (CONCRETE)
- 03.01 NEW CONCRETE SLAB IN ALL
- 03.02 REPAIR CRACKS IN SLAB & SEAL COAT CONCRETE SLAB
- 04.00 (MASONRY)
- 04.01 IN-CELL EXISTING MASONRY OPENING
- 05.00 (METALS)
- 05.01 NEW STEEL COLUMNS
- 05.02 GLASS HANDRAIL
- 05.03 COLD FORMED STEEL COLUMN
- 06.00 (WOOD & PLASTICS)
- 06.01 CARBONYL - SEE ELEVATION
- 06.02 COUNTERTOP
- 06.03 WOOD SHELF & ROD
- 06.04 WOOD SLAT SCREEN WALL
- 06.05 STUDENT MESSAGE CENTER
- 06.06 WALL-MOUNTED SHELF
- 07.00 (THERMAL & MOISTURE PROTECTION)
- 07.01 2" EPS OVER 2" FIBER INSULATION ON 2" EXISTING STRIPS
- 07.02 2" R-8 BATT INSULATION IN STUO CAVITY
- 07.03 R-41 BATT INSULATION IN CAVITY
- 07.04 FIRESTOP SLAB EDGE
- 08.00 (FINISHES)
- 08.01 ALUMINUM CURTAINWALL GLAZING SYSTEM (7 1/4" DEPTH)
- 08.02 ALUMINUM RIT ONE-POINT GLAZING SYSTEM
- 08.03 ALUMINUM WINDOW SYSTEM
- 08.04 ALUMINUM OVERLAYS W/ INSULATED BACKPAN (EXCEPT WHERE NOTED AS ACTIVE OR MECHANICAL DRAWINGS)
- 08.05 ALUMINUM SSO GLAZING SYSTEM
- 08.06 INTERIOR ALUMINUM FRAMING
- 08.07 FRAMELESS GLASS PARTITION
- 08.08 ALUMINUM CURTAINWALL GLAZING SYSTEM (7" DEPTH W/ GAP)
- 08.09 ALUMINUM SSO CURTAINWALL SYSTEM
- 08.10 INTEGRAL ALUMINUM SILL EXTENSION
- 08.11 SSO ALUMINUM SPANDREL PANEL W/ ALUMINUM ANGLE FINIS
- 09.00 (FURNISHES)
- 09.01 AUTO-OPEN CONTROL LOCATION WITH ADDED ACTIVATION BY PRIORITY CARD READER
- 09.02 (FURNISHES)
- 09.03 PAINTED METAL REVEAL TO MATCH WALL COLOR
- 09.04 PAINT EXPOSED CONCRETE WHITE
- 09.05 1/2" REVEALED THRESHOLD
- 09.06 CONCRETE SHOWER CURB W/ TILE FINISH
- 09.07 GLASS MIRROR/SHIELD
- 09.08 FLUSH METAL CORNER GUARD
- 09.09 APPLIED SS CORNER GUARD
- 09.10 METAL 1" TRIM
- 10.00 (SPECIAL TIES)
- 10.01 WALLBOXES
- 10.02 SOLID PNEUMATIC PARTITIONS
- 11.00 (EQUIPMENT)
- 11.01 WALL-MOUNTED VIDEO MONITOR (VCM), PROVIDE BLOCKING @ CONNECTIONS
- 12.00 (FURNISHES)
- 12.01 (SPECIAL CONSTRUCTION)
- 12.02 SOLID PNEUMATIC LOCKERS
- 12.03 (PLUMBING)
- 12.04 WATER COOLER
- 12.05 (FINISH)
- 12.06 BASEBOARD ARI CABINET/RADIANT HEATER
- 23.00 (ELECTRICAL)



Nonrated sprinklered openings to corridor (typical)

Lounge open to corridor

Bump-out Addition



DESIGN DEVELOPMENT  
DECEMBER 5, 2014

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RATIO  
SHEET TITLE  
TYPICAL 2ND-6TH & 8TH-12TH FLOOR PLAN BLUMBERG BUILDING

SHEET NUMBER  
A-104d

# BLUMBERG HALL RENOVATION

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Terre Haute, IN

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DESIGN DEVELOPMENT  
DECEMBER 5, 2014

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**RATIO**  
SHEET TITLE  
**EXTERIOR ELEVATIONS**

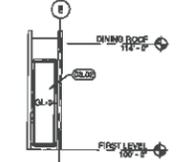
SHEET NUMBER  
**A-202b**

### KEYNOTES - EXTERIOR...

- 01.00 (GENERAL NOTES)
- 01.01 CENTER WALL ON COLUMN LINE (CONCRETE)
- 03.01 REPAIR/REPLACE PRECAST COLUMNS & BEAMS. SEE REPAIR/CONCRETE REPAIR DRAWINGS
- 03.02 CLEAN/REPAIR EXISTING LOAD-BEARING PRECAST WALL PANELS. SEE MASONRY/CONCRETE REPAIR DRAWINGS
- 04.01 REPAIR EXISTING MASONRY (SEE MASONRY/CONCRETE REPAIR DRAWINGS)
- 04.02 PRECAST SUBGROUND TO MATCH EXISTING (METALS)
- 05.00 METAL MESH SCREEN PANELS (ALTERNATE)
- 05.04 NEW ALUMINUM CLADDING AND FIN. SEE DETAIL (WOOD & PLASTIC)
- 07.00 (WEATHER & MOISTURE PROTECTION)
- 07.01 PREFABRICATED METAL COPING
- 07.02 REPLACE BALANT IN PRECAST PANEL JOINTS (COPINGS)
- 08.01 ALUMINUM CURTAINWALL GLAZING SYSTEM
- 08.02 ALUMINUM STOREFRONT GLAZING SYSTEM
- 08.03 ALUMINUM WINDOW SYSTEM
- 08.04 ALUMINUM LOUVER WITH INSULATED BACKSPAN (EXCEPT WHERE NOTED AS ACTIVE ON MECHANICAL DRAWINGS)
- 08.05 ALUMINUM SIG. GLAZING SYSTEM
- 08.10 ALUMINUM CURTAINWALL GLAZING SYSTEM (7" DEPTH W/ CAP)
- 08.11 ALUMINUM SIG. CURTAINWALL GLAZING SYSTEM
- 20.01 EXTERIOR WALL. SC.9000. SEE ELEC.

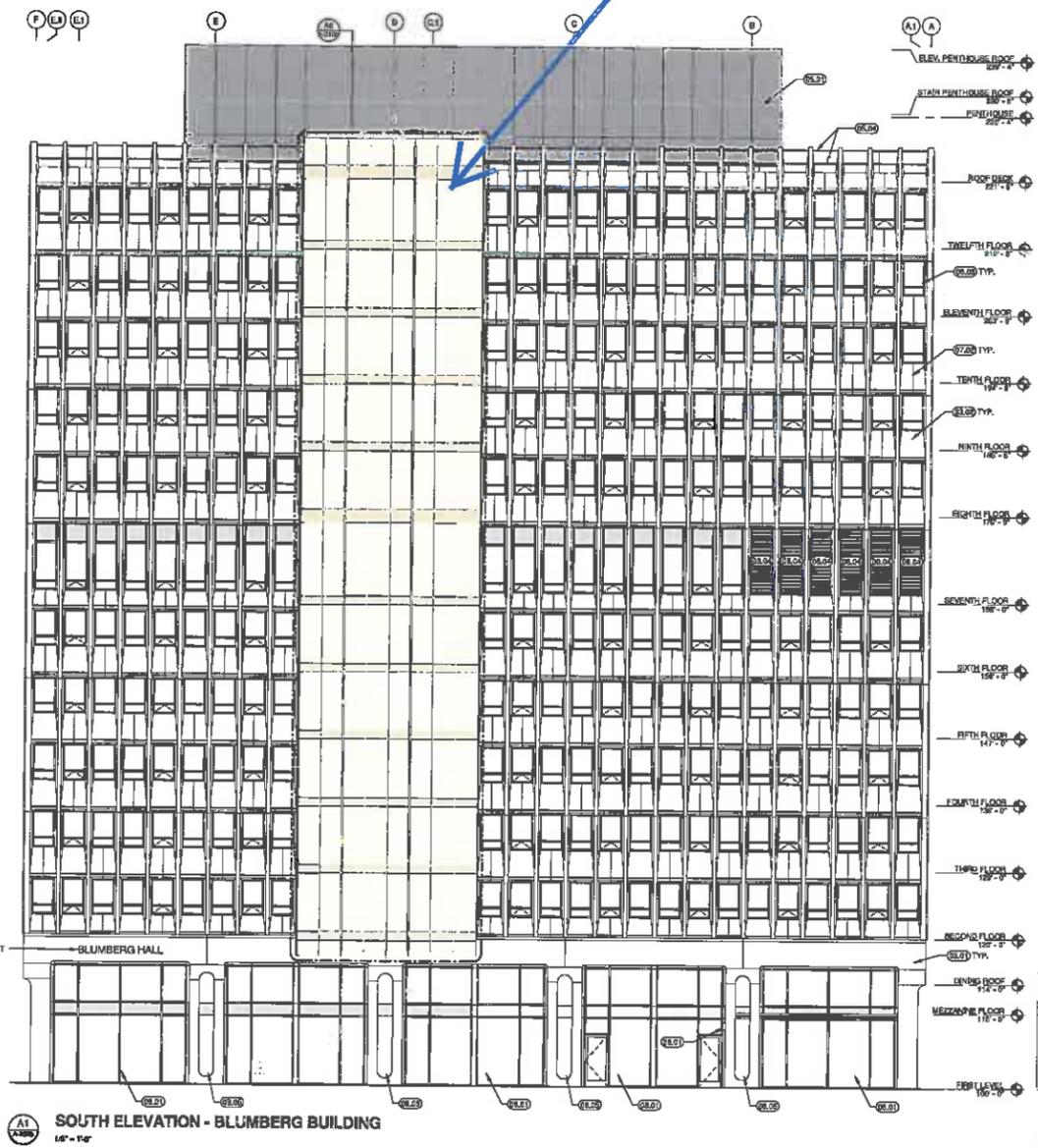
### EXTERIOR GLAZING LEGEND

- GL-04: 1" CLEAR INSULATING GLASS
- GL-45: 1" SPANDREL GLASS
- GL-07: 1" TRANSLUCENT INSULATED
- GL-08: 1/2" LAMINATED CLEAR GLASS
- M: INSULATED METAL SPANDREL PANEL
- OP: OPERABLE GLAZING PANEL

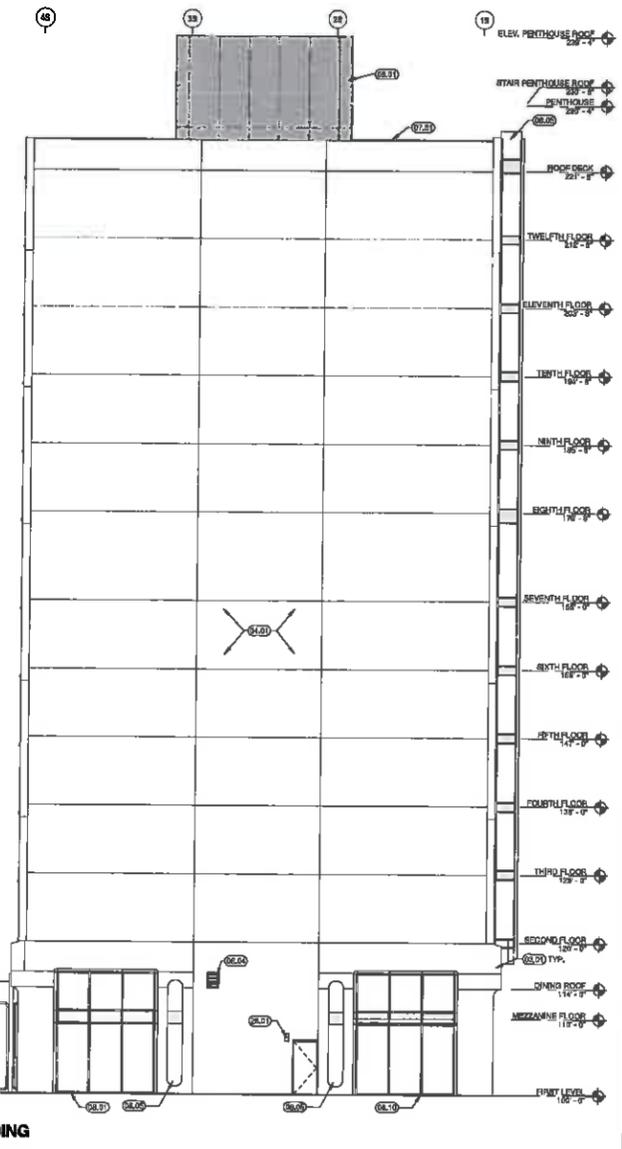


**VESTIBULE NORTH ELEVATION**  
1/8" = 1'-0"

Curtainwall at Bump-out Addition



**SOUTH ELEVATION - BLUMBERG BUILDING**  
1/8" = 1'-0"



**WEST ELEVATION - BLUMBERG BUILDING**  
1/8" = 1'-0"

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