

Physical Environment Committee Minutes

January 15, 2019
8:30 am – 9:54 am

Lincoln Building Third Floor Conference Room

MEETING CALLED BY	Dorothy Gruich
TYPE OF MEETING	University Council Committee Meeting
FACILITATORS	Shawn Stevens
NOTES SUBMITTED BY:	Dorothy Gruich

Members

Name	Constituent Group	Term End Date	
Phil Allen	Faculty Senate	2021	Present
Pam Brandenstein – Vice Chair	CPAC – at large	2020	Present
Max Fightmaster	SEAC	2021	Excused
Dimitria Gatzia	Chairs/School Directors	Continuous	Present
Dorothy Gruich - Secretary	CPAC	2021	Present
Craig Menzemer	Deans	Continuous	Excused
David Myatt	GSG	2019	Present
Steve Myers	Administrator	Continuous	Present
Harvey Sterns	Faculty Senate	2019	Present
Shawn Stevens - Chair	SEAC – at large	2020	Present
TBD	GSG		
TBD	USG		
TBD	USG		

Guests

None

Minutes Approval

DISCUSSION	Minutes from December 12, 2018 meeting were approved, with unanimous vote to include PowerPoint presentation from Andrew Henry.
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General Discussion

- The January agenda was approved as presented.
- The committee set the next meeting for February 6, 2018 at 8:15am to accommodate Dean Menzemer's schedule. Future meeting dates will be set at the February meeting.
- Dimitria Gatzia provided an update regarding late access to the Honors Complex for interested faculty. Interim Dean John Huss agreed to extend swipe card access to 9pm for faculty that email and request being added to the list.

New Business: Updates from Stephen Myers

- Faculty Senate will be moving from Buckingham and looking for a new meeting location.
- Abatement for Galucci Hall will begin at the end of March 2019, starting in the south
- The 2-year IT cabling project will begin in the next couple of months. . This project will replace all of the cables and elevate UA to a Cat 6 level.
- The Ballet Center building will have steel installed to build a truss so that walls don't fall out onto the sidewalk and streets. Received an \$10.6 million estimate for fire damage portion of repairs.
- The Sumner Street bridge will be rebuilt this summer and thus out of commission.
- Repairs on the bridge between Auburn and Schrank are going on now.
- Capital Planning is accepting bids for four elevator repairs, 1 in Kolbe, 2 in Bierce and 1 in Auburn.
- Whitby will be receiving new air handlers and roof.
- Akron Engineering Research Center will receive a new chiller.

Meeting adjourned at 9:54 am

Next Meeting – 2/6/19

Physical Environment Committee Minutes

February 6, 2019
8:15 am – 10:00 am

Lincoln Building Third Floor Conference Room

MEETING CALLED BY	Dorothy Gruich
TYPE OF MEETING	University Council Committee Meeting
FACILITATORS	Shawn Stevens
NOTES SUBMITTED BY:	Dorothy Gruich

Members

Name	Constituent Group	Term End Date	
Phil Allen	Faculty Senate	2021	Present
Pam Brandenstein – Vice Chair	CPAC – at large	2020	Present
Max Fightmaster	SEAC	2021	Present
Dimitria Gatzia	Chairs/School Directors	Continuous	Present
Dorothy Gruich - Secretary	CPAC	2021	Present
Craig Menzemer	Deans	Continuous	Absent
David Myatt	GSG	2019	Excused
Steve Myers	Administrator	Continuous	Called on conference phone
Harvey Sterns	Faculty Senate	2019	Present
Shawn Stevens - Chair	SEAC – at large	2020	Present
TBD	GSG		
TBD	USG		
TBD	USG		

Guests

None

Minutes Approval

DISCUSSION	Minutes from January were not available for approval. Will approve at next meeting.
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General Discussion

- The February agenda was approved as presented.
- The committee set the next meeting dates, all beginning at 2:15pm – March 28, April 25, May 23, June 27
- The committee agreed to seek input regarding crossings and traffic issues in and around UA from the campus community through Email Digest and emails to the CPAC and SEAC list-serv. The concerns will be compiled and forwarded to Mike Lupica prior to our March meeting which he will hopefully be able to attend.
- Dean Menzemer asked if there were overhead images of traffic intersections and if so, he recommended that a request be submitted to UA transportation to check the numbers and conduct a study. Phil Allen motioned and Harvey Sterns seconded, to request a traffic expert from UA and the city engineering office conduct a traffic study. The motion passed unanimously.
- Steven Myers reported that paperwork has not come through yet to approve the Zook/Leigh Hall move that will take place this week. Harvey Sterns made a motion, seconded by Craig Menzemer, to approve the Zook/Leigh Hall move. The committee unanimously approved the motion.

Old Business: UC Executive Committee request for progress update on topic submissions:

- Urban Agriculture Garden – currently there are existing raised beds and the request is to build a greenhouse. The committee suggested consulting with the department of development to seek funding to support the initiative.
- Support Pollinators – the committee suggested that a UA biology expert on honeybees be consulted for guidance.

Shawn Stevens will respond to both requests

New Business: Updates from Stephen Myers

- Architect has been hired for the Buckingham work to fix the air conditioning, moving various departments and new meeting location for faculty senate.
- Institute for Human Science and Culture (Roadway Bldg) will have the new air handler delivered on March 8.
- Schrank bridge continues to be worked on.
- The weather has affected construction on the addition to the CBA but goal is still to be finished by end of May.
- There were pipes that burst in the Polsky Building and Law School due to the extreme temperatures last week. All repairs have been made.
- The next biennium funding request will be focused on the Ayer/Crouse renovations.

Meeting adjourned at 9:26 am

Next Meetings – 3/28/19, 4/25/19, 5/23/19, 6/27/19

Physical Environment Committee Minutes

March 28, 2019
2:15 pm – 4:08 pm
 Lincoln Building Third Floor Conference Room

MEETING CALLED BY	Dorothy Guich
TYPE OF MEETING	University Council Committee Meeting
FACILITATORS	Shawn Stevens
NOTES SUBMITTED BY:	Dorothy Guich

Members

Name	Constituent Group	Term End Date	
Phil Allen	Faculty Senate	2021	Present
Max Fightmaster	SEAC	2021	Present
Dimitria Gatzia	Chairs/School Directors	Continuous	Present
Dorothy Guich - Secretary	CPAC	2021	Present
Craig Menzemer	Deans	Continuous	Excused
David Myatt	GSG	2019	Absent
Steve Myers	Administrator	Continuous	Present
Harvey Sterns	Faculty Senate	2019	Excused
Shawn Stevens - Chair	SEAC – at large	2020	Present
TBD	CPAC		
TBD	GSG		
TBD	USG		
TBD	USG		

Guests

Jared Coleman, Director of Parking and Transportation Services

Minutes Approval

DISCUSSION	Minutes from January and February were unanimously approved with corrections to Max Fightmaster's attendance.
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General Discussion

- The March agenda was approved as presented.
- The committee received news that Pam Brandenstein is no longer with the University and will need to have a new CPAC representative assigned. The committee also postponed election of a new Vice Chair until the April meeting.
- The committee unanimously approved Space Allocation request #12000-437.
- Stephen Myers confirmed that Mike Lupica, interim traffic engineer for the city of Akron, will attend the April 25th PEC meeting.
- Jared Coleman attended the meeting to discuss items related to the crossings and traffic issues in and around campus. The committee reviewed the compiled list of concerns received from the UA campus community stemming from the PEC request for input that appeared in Email Digest and was emailed to the CPAC and SEAC list-servs. After extensive discussion, the committee generated a priority list to share with Mike Lupica in advance of the April meeting. Jared offered to attend that meeting to assist further with the discussion since he receives a lot of campus input and requests for improvement on a regular basis.

New Business: Updates from Stephen Myers

- No discussion

Meeting adjourned at 4:08 pm

Next Meetings – 4/25/19, 5/23/19, 6/27/19

Physical Environment Committee Minutes

April 25, 2019
2:23 pm – 4:08 pm

Lincoln Building Third Floor Conference Room

MEETING CALLED BY	Dorothy Guich
TYPE OF MEETING	University Council Committee Meeting
FACILITATORS	Shawn Stevens
NOTES SUBMITTED BY:	Dorothy Guich

Members

Name	Constituent Group	Term End Date	
Phil Allen	Faculty Senate	2021	Present
Max Fightmaster	SEAC	2021	Excused
Dimitria Gatzia	Chairs/School Directors	Continuous	Present
Dorothy Guich - Secretary	CPAC	2021	Present
Craig Menzemer	Deans	Continuous	Present
David Myatt	GSG	2019	Absent
Steve Myers	Administrator	Continuous	Present
Harvey Sterns	Faculty Senate	2019	Excused
Shawn Stevens - Chair	SEAC – at large	2020	Present
TBD	CPAC		
TBD	GSG		
TBD	USG		
TBD	USG		

Guests

Mike Lupica, Acting Traffic Engineer, City of Akron

Minutes Approval

DISCUSSION	Minutes from March 28, 2019 were unanimously approved.
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General Discussion

- The April agenda was approved as presented.
- The committee unanimously approved Space Allocation request #12000-438.
- The committee postponed election of a new Vice Chair until the May meeting.
- The committee discussed UA campus traffic and crossings concerns with invited guest, Mike Lupica. A priority list of concerns from The University of Akron community were presented for discussion.

New Business: Updates from Stephen Myers

- Construction updates will appear in a May E-Mail Digest. Can be found at <https://uakron.edu/im/news/grand-openings-and-construction-projects-planned-in-2019>

Meeting adjourned at 4:00 pm

Next Meetings – 5/23/19, 6/27/19

Physical Environment Committee Minutes

May 23, 2019

2:23 pm – 4:08 pm

Lincoln Building Third Floor Conference Room

MEETING CALLED BY	Dorothy Guich
TYPE OF MEETING	University Council Committee Meeting
FACILITATORS	Shawn Stevens
NOTES SUBMITTED BY:	Dorothy Guich

Members

Name	Constituent Group	Term End Date	
Phil Allen	Faculty Senate	2021	Present
Max Fightmaster	SEAC	2021	Present
Dimitria Gatzia	Chairs/School Directors	Continuous	Present
Dorothy Guich - Secretary	CPAC	2021	Present
Craig Menzemer	Deans	Continuous	Present
David Myatt	GSG	2019	Absent
Steve Myers	Administrator	Continuous	Present
Harvey Sterns	Faculty Senate	2019	Present
Shawn Stevens - Chair	SEAC – at large	2020	Present
TBD	CPAC		
TBD	GSG		
TBD	USG		
TBD	USG		

Guests

None

Minutes Approval

DISCUSSION	Minutes from April 25 were unavailable. Will be approved at the next meeting.
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General Discussion

- The May agenda was approved as presented.
- The committee unanimously approved Space Allocation request #12000-438.
- The committee unanimously voted to elect Dimitria Gatzia as the new Vice Chair of the Physical Environment Committee.
- Stephen Myers will follow up with a phone call to Mike Lupica for an update on the committee requests related to UA campus traffic and crossings concerns.
- Stephen Myers reported that the Ayer/Crouse renovations kick off planning meeting was held recently. The next meeting will be in June. Faculty will also receive a questionnaire regarding their needs and requests for further information. Architects will be meeting with faculty and staff during the week of June 3 to seek input.
- The committee set the next meeting dates for July 18 and August 22, both at 2:15pm.

New Business: Updates from Stephen Myers

- A variety of updates were provided on projects that appeared in the May 8 Email Digest construction update.

Meeting adjourned at 3:45 pm

Next Meetings – 7/18/19, 8/22/19

Physical Environment Committee Minutes

August 1, 2019

2:15 pm – 3:30 pm

Lincoln Building Third Floor Conference Room

MEETING CALLED BY	Dorothy Guich
TYPE OF MEETING	University Council Committee Meeting
FACILITATORS	Shawn Stevens
NOTES SUBMITTED BY:	Dorothy Guich

Members

Name	Constituent Group	Term End Date	
Phil Allen	Faculty Senate	2021	Present
Max Fightmaster	SEAC	2021	excused
Dimitria Gatzia	Chairs/School Directors	Continuous	Present
Dorothy Guich - Secretary	CPAC	2021	Present
Craig Menzemer	Deans	Continuous	excused
David Myatt	GSG	2019	Absent
Steve Myers	Administrator	Continuous	Present
Harvey Sterns	Faculty Senate	2019	Absent
Shawn Stevens - Chair	SEAC – at large	2020	Present
TBD	CPAC		
TBD	GSG		
TBD	USG		
TBD	USG		

Guests

None

Minutes Approval

DISCUSSION	Minutes from April 25 and May 23 were unanimously approved.
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General Discussion

- The August agenda was approved as presented.
- The committee unanimously approved Space Allocation request #12000-440.
- Phil Allen announced that he is stepping down as Chair of University Council to serve as the Director of Research Administration. He is no longer able to represent Faculty Senate on the Physical Environment Committee. Shawn Stevens will inquire about Dr. Allen's ability to serve in another capacity.
- Dorothy will follow up with Mike Lupica to thank him for taking care of the 3-way stop and request an update regarding the other traffic/crossing concerns that were discussed with the committee and not addressed to date. She will also forward an email from the Office of Accessibility regarding a student with impaired vision that lives south of Exchange Street.
- Stephen Myers reported that IT infrastructure work will begin soon in 22 buildings across campus. Every office needs to have a clear path to data ports to help the work go smoothly.

New Business: Updates from Stephen Myers

A variety of updates were provided on projects:

- Bridge work in front of ASEC will not be completed until the end of September.
- Gallucci demolition will begin on Monday.
- CBA construction is running behind schedule but will be open in time for classes.
- The Auburn Science Center administrative suite is finished.
- Work on the baseball field will begin soon. The new field will be turf.
- Kolbe Hall elevator will be ready in time for the fall semester.
- Work on Bierce Library elevators will begin soon. Work will take place on one elevator at a time.
- Work has begun on Guzzetta Hall's new roof.

Meeting adjourned at 3:30 pm

Next Meetings – TBD

Physical Environment Committee Minutes

September 19, 2019
2:35 pm – 3:48 pm
 Lincoln Building Third Floor Conference Room

MEETING CALLED BY	Shawn Stevens
TYPE OF MEETING	University Council Committee Meeting
FACILITATORS	Shawn Stevens
NOTES SUBMITTED BY:	Dorothy Gruich

Members

Name	Constituent Group	Term End Date	
Max Fightmaster	SEAC	2021	Present
Dimitria Gatzia	Chairs/School Directors	Continuous	Present
Dorothy Gruich - Secretary	CPAC	2021	Present
Sarah Han	GSG	2019-2020	Present
Craig Menzemer	Deans	Continuous	Present
Steve Myers	Administrator	Continuous	Present
Lisa Sabol	CPAC	2019-2020	Absent
Derek Schwarz	GSG	2019-2020	Via conference phone
Shawn Stevens - Chair	SEAC – at large	Continuous	Present
TBD	USG		
TBD	USG		

Guests

Harvey Sterns

Minutes Approval

DISCUSSION	Minutes from August 1, 2019 were unanimously approved.
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General Discussion

- The September agenda was approved as presented.
- The committee unanimously approved Space Allocation request #12000-441.
- Elections were held for Secretary and Vice-Chair. Dorothy Gruich was unanimously elected to continue as Secretary and Max Fightmaster was unanimously elected to serve as Vice Chair.
- Stephen Myers reported that IT infrastructure work will begin soon in 22 buildings across campus. Every office needs to have a clear path to data ports to help the work go smoothly.
- Goals were discussed and set by the committee. Members agreed that our goals continue to be the same with a few minor changes. Shawn Stevens will send the goals to Kim Haverkamp before the October 11 deadline.
- Shawn Stevens reported that the University of Akron Mobile App has a page called Cleanup/Fixup where individuals can report on road conditions, broken streetlights, potholes and other safety issues.

New Business: Updates from Stephen Myers

- Stephen Myers presented a PowerPoint presentation regarding the Ayer/Crouse renovations. He will share the presentation with the committee.

Old Business:

Dimitria Gatzia attended a discussion in the Physics Department regarding faculty concerns regarding equipment, space, etc. At the time, there were two rooms available and the faculty decided to use those as their lab space. However, these rooms were eliminated from the design documents in order to stay within budget. The Physics faculty is currently looking for rooms in other buildings to house lab equipment. The committee discussed the issue and Dimitria will follow up with an email to the person who handles room requests.

Meeting adjourned at 3:48 pm

Next Meetings – TBD



UNIVERSITY OF AKRON CROUSE HALL

Programming Milestone Document

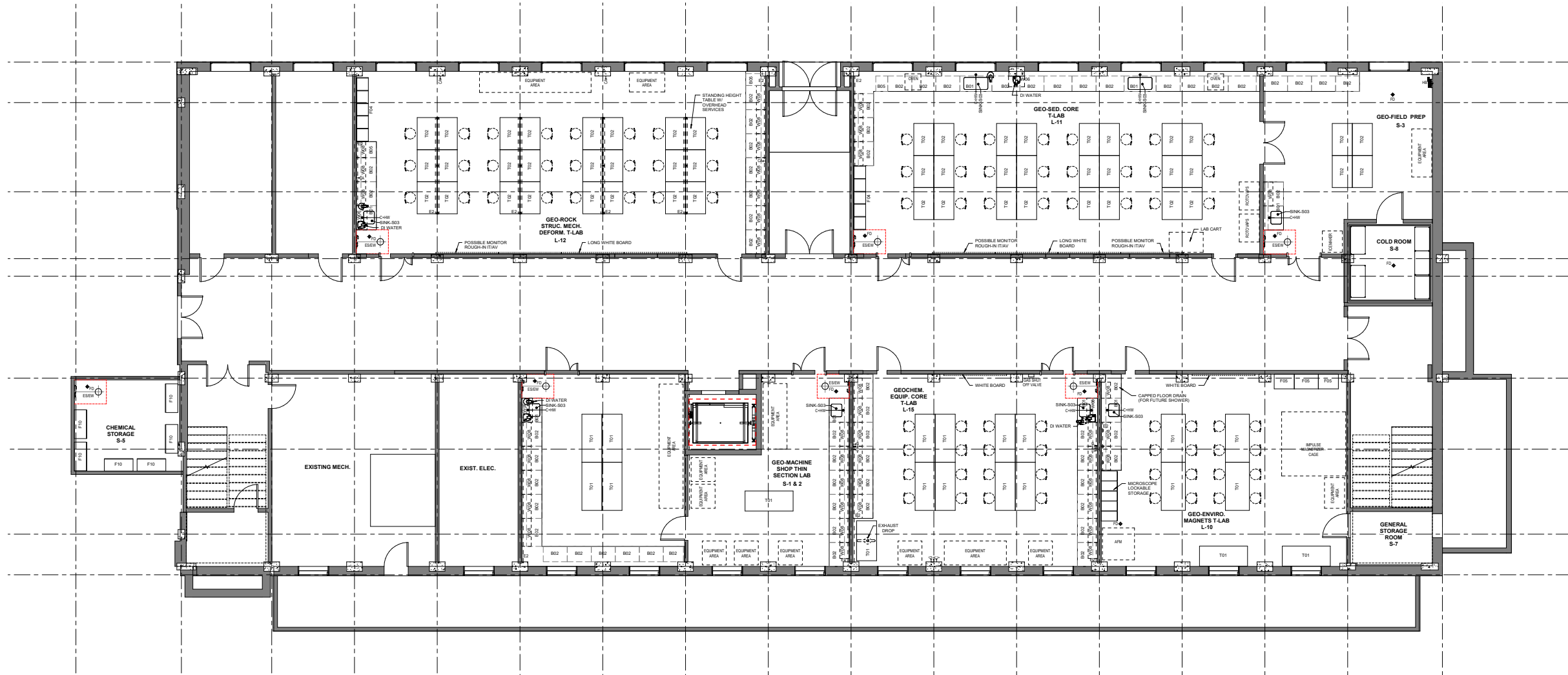
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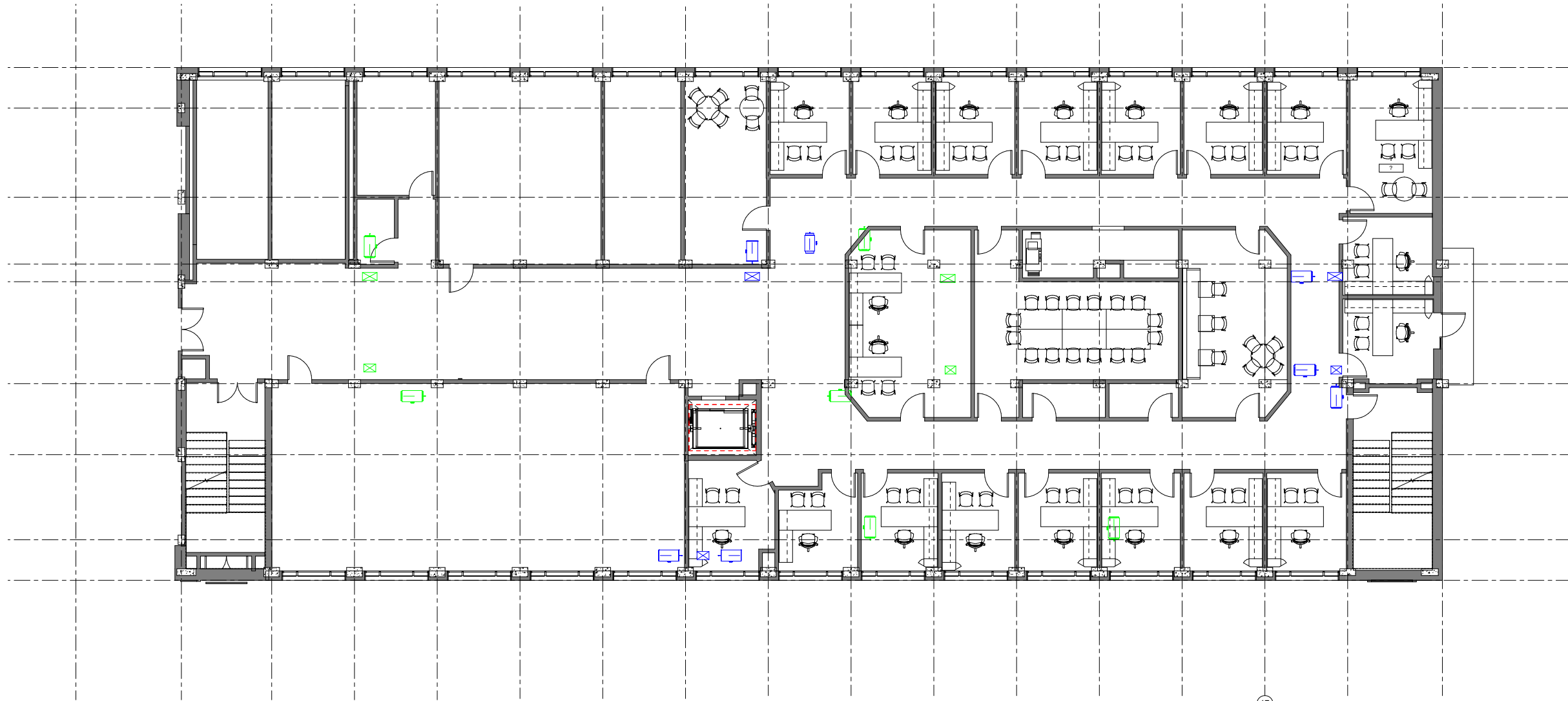
No.	Floor	Space Name	Occup.	No.	Area per Space	Total Area	Sink/ Floor Drain	Emerg. Shower Eye Wash	Gas	C. Air	Vac	Sp. Gas	Pure Water	208 1ø	208 3ø	110 1ø	Data	Exh Drop	BSC	Chem Fume Hood	Existing Rm	Existing Area	Notes
Offices and Support																							
O-1	2	Combined Departmental Headquarters														Y	Y						
O-2	2	Office-Dept Chair	1	1	170	170										Y	Y						Use office standards
O-3	2	Offices-Faculty-Physics	1	7	120	840										Y	Y						Use office standards
O-4	2	Offices-Faculty-Geoscience	1	10	120	1200										Y	Y						Use office standards
O-5	2	Offices-Visiting Lecturer-Physics	1	0	120	0										Y	Y						Use office standards
O-6	2	Offices-Visiting Lecturer-Geoscience	1	0	120	0										Y	Y						Use office standards
O-7	2	Office-Admin-Physics & Geoscience	1	1	80	80										Y	Y						Use office standards
O-8	2	Office-Lab Techs-Physics & Geosciences	1	1	300	300										Y	Y						
O-9	2	Center for Environmental Studies	1	1	200	200										Y	Y						Currently in an office
O-10	2	Office-Grad Student- Physics	1	0	0	0										Y	Y						No dedicated office space allocated
O-11	2	Office-Grad Student- Geoscience	1	0	0	0										Y	Y						No dedicated office space allocated
O-12	2	Conference Room	15	1	300	300										Y	Y				C118	476	
O-13	2	Work Room		1	80	80										Y	Y						Printing, copier, mail, other office support activities
O-14	2	Lunch/Break Room		1	300	300	1S									Y	Y						
O-15	2	Library/Tutoring	15	1	345	345										Y	Y				A256	384	100LF of shelving; large table; white board
Sub-Total						3,815	NSF																
Labs																							
L-1	4	Physics- Teaching Lab 1	24	1	1,223	1223	2S	Y/FD						Y	Y	Y	Y				A100		Class 291; Blackout shades, lay in ceiling, 3 students/table; whiteboards; 85" display above whiteboards
L-2	4	Physics- Teaching Lab 2	24	1	1,223	1223	2S	Y/FD						Y	Y	Y	Y				A104		Class 261-262; Blackout shades, lay in ceiling, 3 students/table, whiteboards, 85" display above whiteboards; Add room for Class 4 Laser
L-3	4	Physics- Teaching Lab 3	24	1	1,223	1223	2S	Y/FD						Y	Y	Y	Y				A107		Class 292; Blackout shades, lay in ceiling, 3 students/table, whiteboards, 85" display above whiteboards
L-4	4	Physics- Teaching Lab 4 (Sound of Music)	24	1	1,223	1223	1S	Y/FD						Y	Y	Y	Y				A110		Class 130, 133, 137; Blackout shades, sound absorbing materials on walls and ceiling, whiteboards, 85" display above whiteboards; Relocate existing Music Cabinets into this lab
L-8	3	Geo-Physical, Historical & Paleontology Teaching Lab	24	1	1,223	1223	2 S	Y/FD					Local only	Y	Y	Y	Y				C127; C111; C65B		Paleontology, Historical Geology, Physical Geology; Microscope Storage Cabinets; Large light table; access to a storage/prep room, Chemicals and acids are used; Large 5' long tables for team work (2 / table)
L-9	3	Geo-Crystallography and Mineralogy Teaching Lab	24	1	1,223	1223	1S	Y/FD						Y	Y	Y	Y				C117	451	Lockable storage cabinets, cases and microscope cabinets (24 microscopes); H & C water; Projection & whiteboard; No chemicals; Need sample storage (see also C120); Microscope in fixed location that can be projected onto screen
L-10	1	Geo-Environmental Magnetism Teaching Lab	16	1	734	734	1S/ CW Loop/FD	Not Required						Y	Y	Y	Y				C61; C66B		Faraday Cage (no lights above); AGM Magnetometer in C66B; Magnetic Susceptibility Machine; Tables are best, no casework; Microbalance in C60 to be relocated; AFM from A9 is vibration sensitive
L-11	1	Geo-Sedimentation/Core Samples Teaching Lab	24	1	1,223	1223	2S	Y/FD					DI	Y	Y	Y	Y				C65A	450	2-Drying Ovens (not vented); 2-Rotovaps, Chittick, 2- Sinks required; DI water (local or central); access to exterior

No.	Floor	Space Name	Occup.	No.	Area per Space	Total Area	Sink/ Floor Drain	Emerg. Shower Eye Wash	Gas	C. Air	Vac	Sp. Gas	Pure Water	208 1ø	208 3ø	110 1ø	Data	Exh Drop	BSC	Chem Fume Hood	Existing Rm	Existing Area	Notes	
L-12	1	Geo-Rock Structure/Mechanics/Deformation Teaching Lab	24	1	1,223	1223	1S/ CW Loop/FD	Y/FD		Y			DI	Y	Y	120-15A	Y				C116	459	Chilled water loop; Locate on lowest floor level; Small quantities of chemicals are used, 208 and 240 V, 30A and 120V 15 Amp circuits; Existing tables may be reused, Equipment includes Griggs deformation, Forney FX-300	
L-13	3	General Purpose Teaching Lab-Physics and Geoscience	24	1	1,223	1223	1S	Y/FD	Y	Y	Y	Y	DI	Y	Y	Y	Y	1		1 Future	C60; C60A	667	Gas Cylinders for Oxy, He, Comp Air, Relocate Microbalance to C61	
L-14	3	Geo-Geochemistry Teaching Lab	18	1	1,223	1223	4S	Y/FD	Y	Y	Y	Y	Distilled	Y	Y	Y	Y	2		3	C57; C317; C319; C319A		3 Fume hoods include: 1-Hydrofluoric and 1-Perchloric acid and 1-Chemistry; Autoclave, Ice Flaker, ICP, Box Furnace, AA, refrigerators, Chemicals are used; Need ventilated Gas Cabinet for welding grade acetylene	
L-15	1	Geo-Geochemistry Analytical Equipment Core	16	1	734	734	1S/ CW Loop/FD	Y/FD	Y	Y	Y	Y	DI	Y	Y	Y	Y	1			C56; C57A; C69; C69A-B		AFM (A9) in L-10; XRD; ESEM (C57A); Xray Ultima IV also used by Mineralogy & Sedimentation Labs; CW loops, DI water polisher. C69A Cathode Luminescence will not be reused; C69B Storage room with Centrifuge	
L-18		Geo-Computer Lab	24	1	734	734										Y	Y				C214	939	Specialty Computer Lab for Physical Geology	
L-20		Research Labs	4	2	510	1020	1S/Lab	Y/FD	Y	Y	Y	Y	DI	Y	Y	Y	Y	1		1/Lab	A10; C57; C215; A18		Include in project if space permits. Generic research labs for on-going and funded activities: 1) Ceramics research in A10; 2) Geochemistry Research in C57; 3) Hydrogeology in C215-x; 4) Physics research A18	
Sub-Total						15,446	NSF																2,966	
Classrooms and Support																								
C-1		Classroom-1	40	1	920	920										Y	Y				C120	926	Multipurpose with Crystallography, Mineralogy, Physical Geology, Samples in room along one wall; Lockable storage cabinets for samples (see also C117)	
C-2		Classroom-2	40	1	920	920										Y	Y				C111; C110	695	Multipurpose classroom used by Historical Geology and Paleontology with samples in classroom and adjoining prep room (see also C127; C65B)	
C-3		Classroom-3	40	1	920	920										Y	Y						Use 18" x 5' tables	
C-4		Classroom-4	40	1	1,300	1300										Y	Y						Use 18" x 5' tables	
C-5		Lecture Hall-1	220	1	4,800	4800	1S									Y	Y				A19		Demo table with sink; Show pre-function space outside Lecture Hall	
C-6		Lecture Hall- 1 Storage/Prep Room		3	350	1050	1S									Y	Y				A19		Storage and Prep Room with A19; Lockable cabinets;	
C-7		Lecture Hall-2	128	2	3,300	6600	1S/Lab									Y	Y						Demo table with sink	
C-8		Server Room	1	1	120	120										Y	Y				A203, A211		Existing server room is in Physics office suite; Local UPS, Racks for computational physics, (JLS and BYHU) and backup servers	
C-9		Classroom Storage		1	240	240										Y	Y							
Sub-Total						16,870	NSF																	
Support- Building																								
S-1	1	Machine Shop	5	1	489	489	1 H&C Sink/ FD	Y/FD		Y				240 1ø	240 3ø	Y	Y	Y			C66A	250	Could be combined with Rock Saw Room; chemicals used; Mill, Drill, Core Cutting Saw, Lathe, Floor drain in center of room	
S-2	1	Rock Saw Room/ Thin Section Lab	9-12	1	489	489	1 H&C Sink/ FD	Y/FD		Y			DI	Y	Y	Y	Y	Y			C68	419	Could be combined with Machine Shop, Chemicals are used, trim saw, polishing wheels, thin sectioning machines	

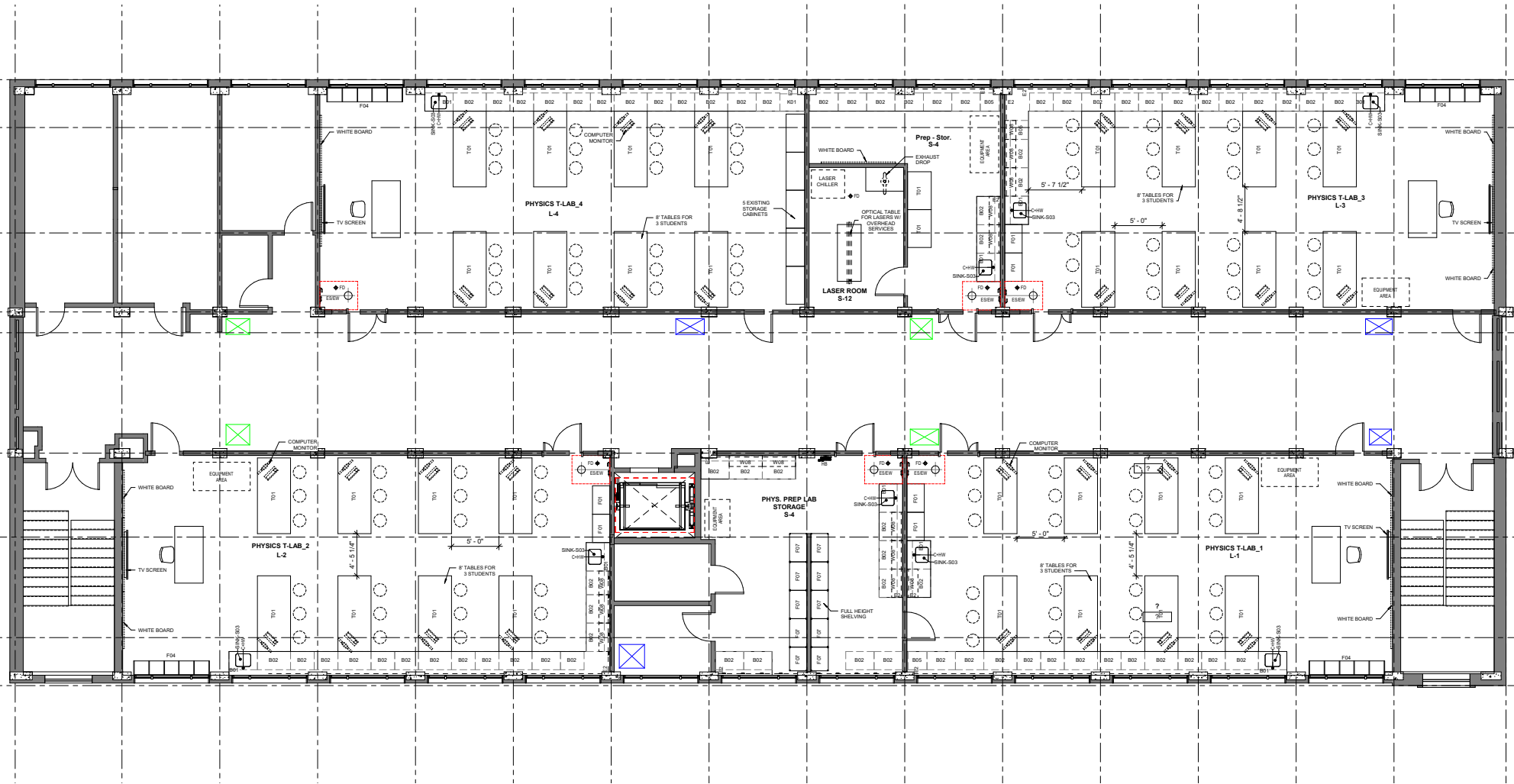
No.	Floor	Space Name	Occup.	No.	Area per Space	Total Area	Sink/ Floor Drain	Emerg. Shower Eye Wash	Gas	C. Air	Vac	Sp. Gas	Pure Water	208 1ø	208 3ø	110 1ø	Data	Exh Drop	BSC	Chem Fume Hood	Existing Rm	Existing Area	Notes
S-3	1	Field Prep Room	10	1	489	489	1S/FD	Y/FD						Y	Y	Y	Y						Canoes, vehicles and other large items are stored elsewhere; Hose bib near door to outside
S-4	4	Prep Labs/ Lab Storage- Physics		2	489	978	1S/Lab	Y/FD						Y	Y	Y	Y						1 per pair of Teaching Labs (also 1 advanced physics equipment room)
S-5	3	Prep Labs/ Lab Storage- Geosciences		2	489	978	1S/Lab	Y/FD						Y	Y	Y	Y	1/lab			C110; C68B; C60A; C319A		1 per pair of Teaching Labs, Used for storage by Physical & Paleo (C111), Sedimentary (C65A) & Historical Labs
S-6	1	Chem Storage Room		1	150	150		Y/FD												Vented Storage	A8		University to provide chemical inventory, Reuse OSHA Flammable Chemical storage cabinet; Explosion Proof refrigerator; Possibly distribute small quantities of chemicals to labs and store in OSHA cabinets
S-7	1	General Storage Room -Physics and Geosciences		1	107	107		Y/FD								Y	Y				C68A	285	Locate near Physics Advanced Equipment /Cleanroom; Flammable storage cabinet; 55 gal drum with Almag oil for oil saw,
S-8	1	Cold Room for Core Samples		1	150	150	FD									Y	Y				C68A		Pre-engineered 4°C environmental room for core samples; Associated with Core Samples/Sedimentology Lab (C65A); 12' clear inside length min., Locate inside S-3
S-9	1	MEP Equipment Room		1	489	489	DI water/ FD							Y	Y	Y	Y				C70	458	DI water system, Floor Drain, Hot Water heater, Pumps, air compressor, Multiple power requirements
S-10	All	Geo Sample Collection - Hallway Cabinets				0										Y							Display cabinets to be located in circulation areas (lobby/corridors). Cabinets may be lighted
S-11		Student Lounge		1		0																	Add if space permits; Size to be determined
S-12	4	Class 4 Laser Lab		1	150	150	water/FD for chiller						Local chiller	Y	Y	Y	Y	1/lab					Access to Class 4 Laser Room can be off of Physics Prep Lab
Sub-Total						4,469	NSF																
Total Building						40,600	Total NSF																

Analysis				
Crouse	28,500	NSF		
Crouse	40,320	GSF	71%	Efficiency
Addition	17,800	NSF		
Addition	24,000	GSF	74%	Efficiency
Total	46,300	NSF		
Total	64,320	GSF	72%	Efficiency

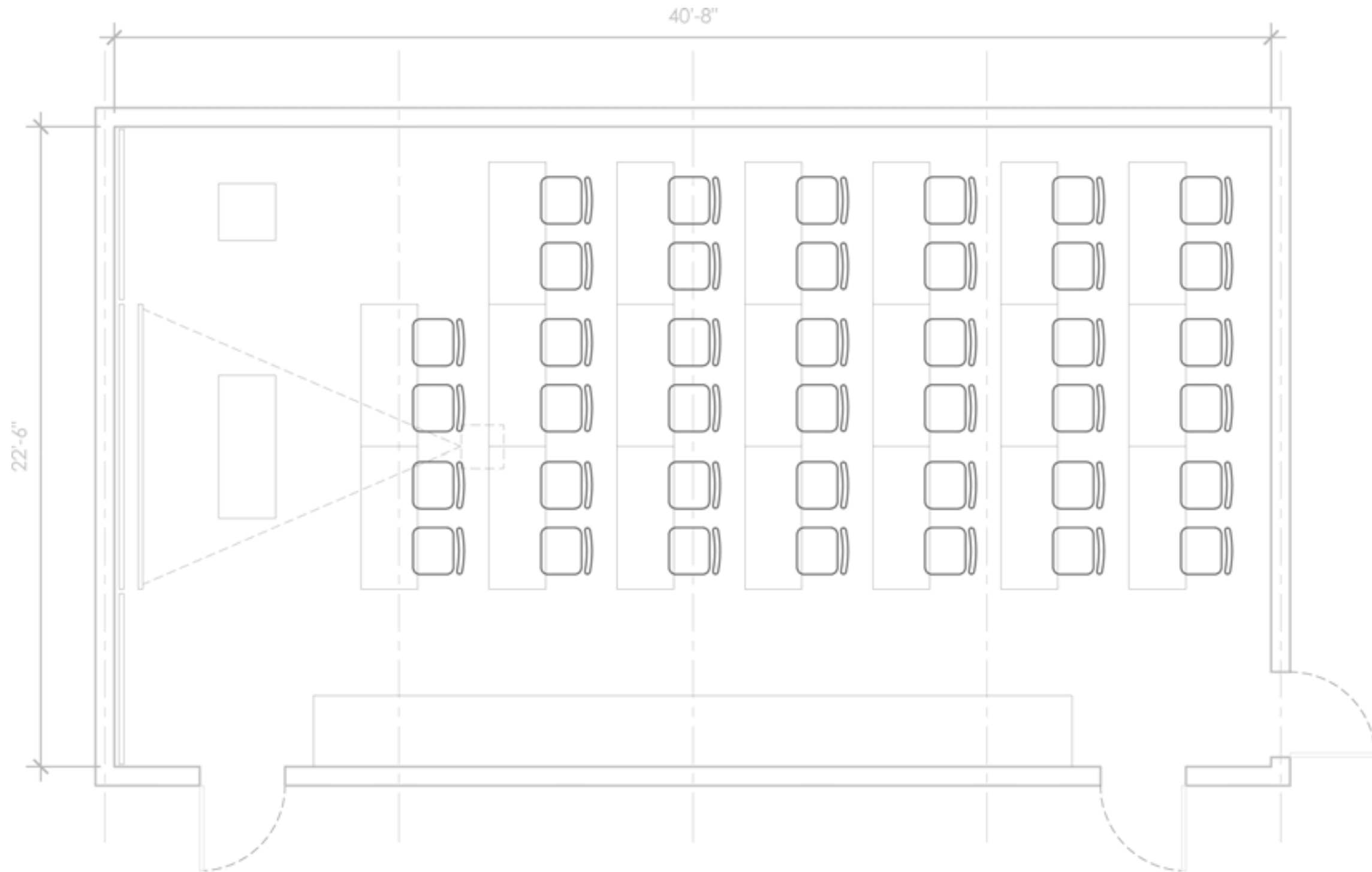


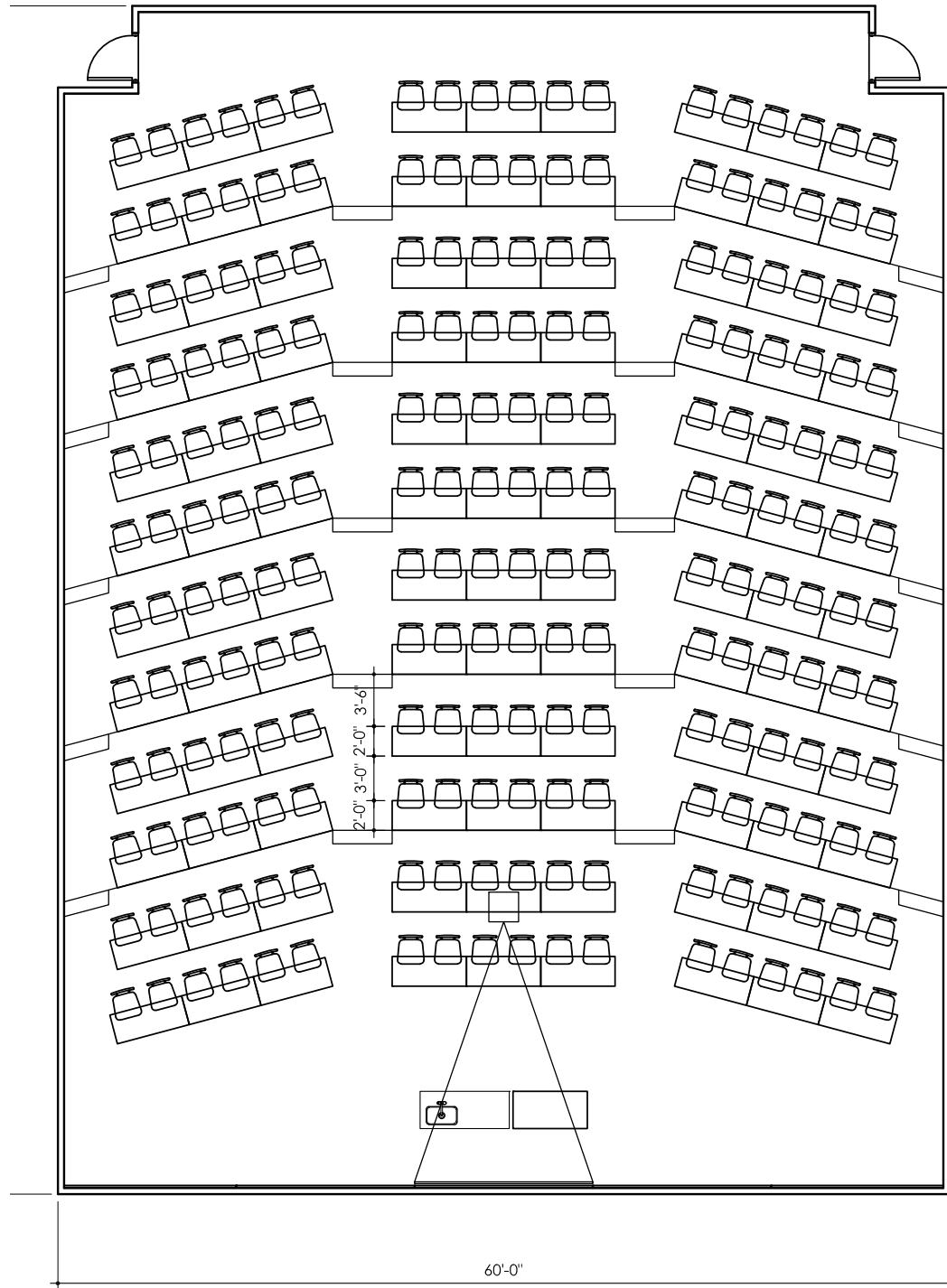




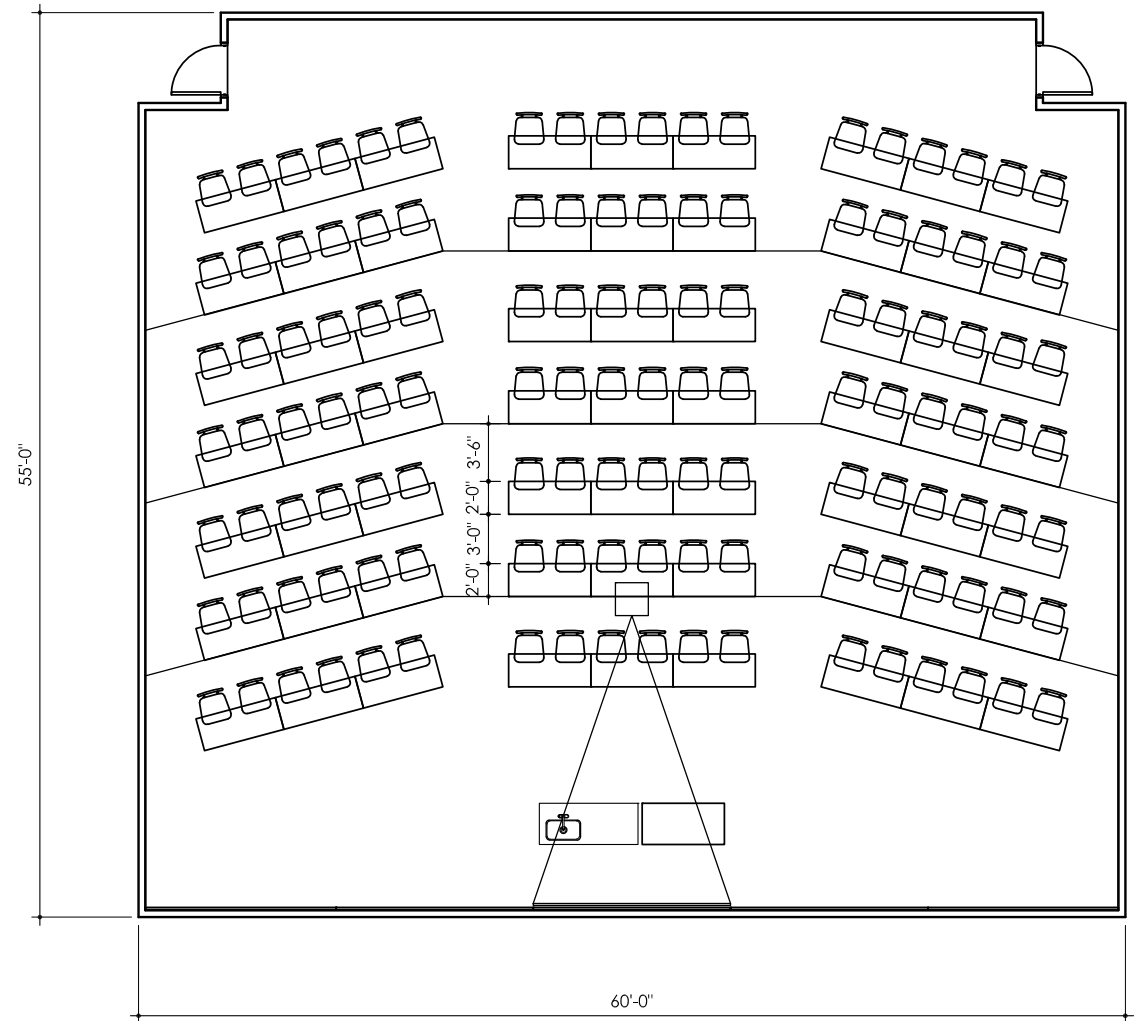




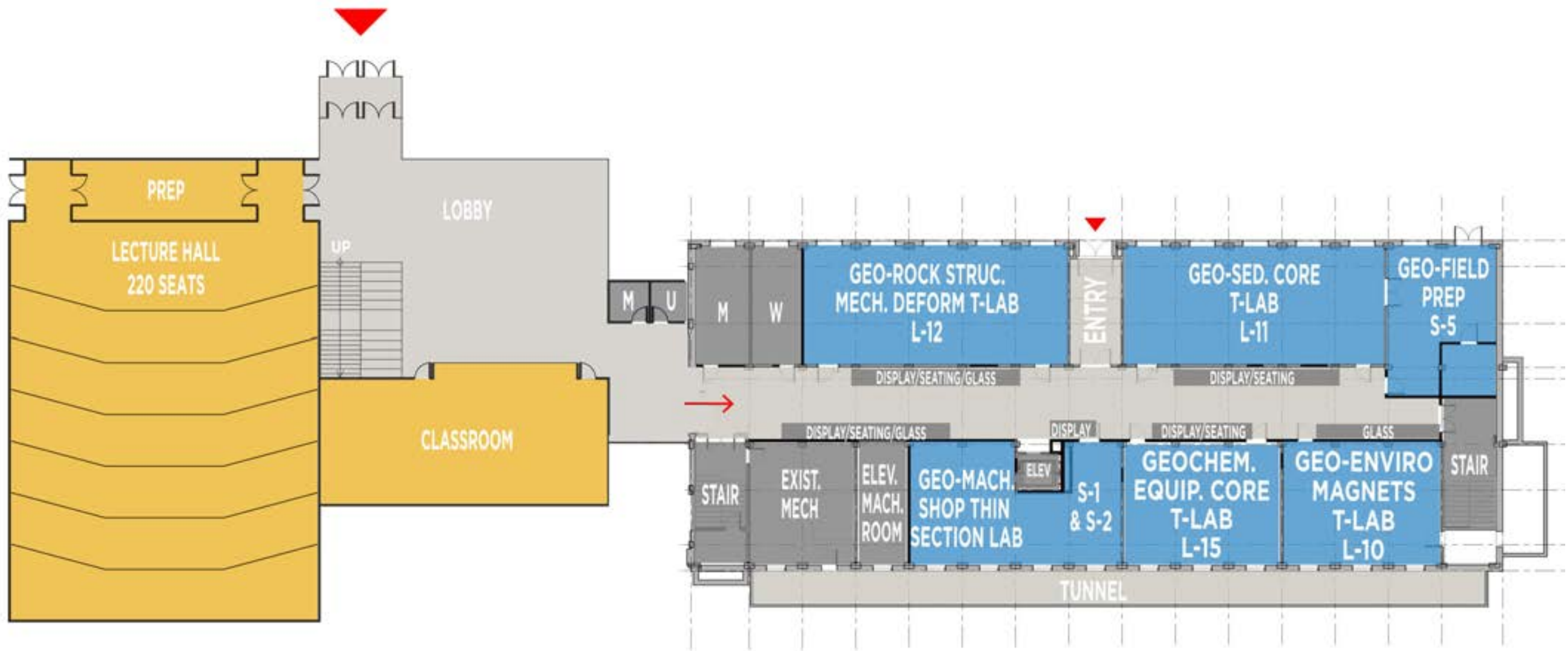


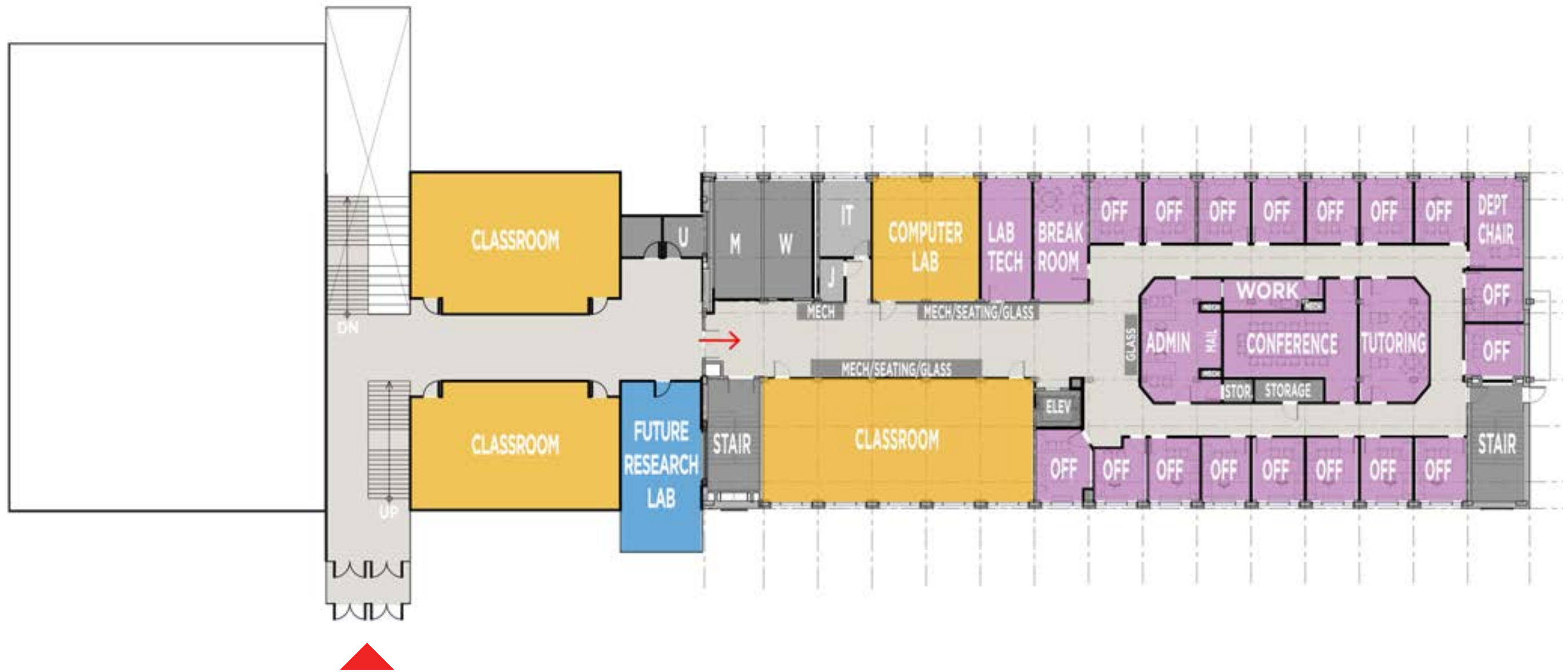


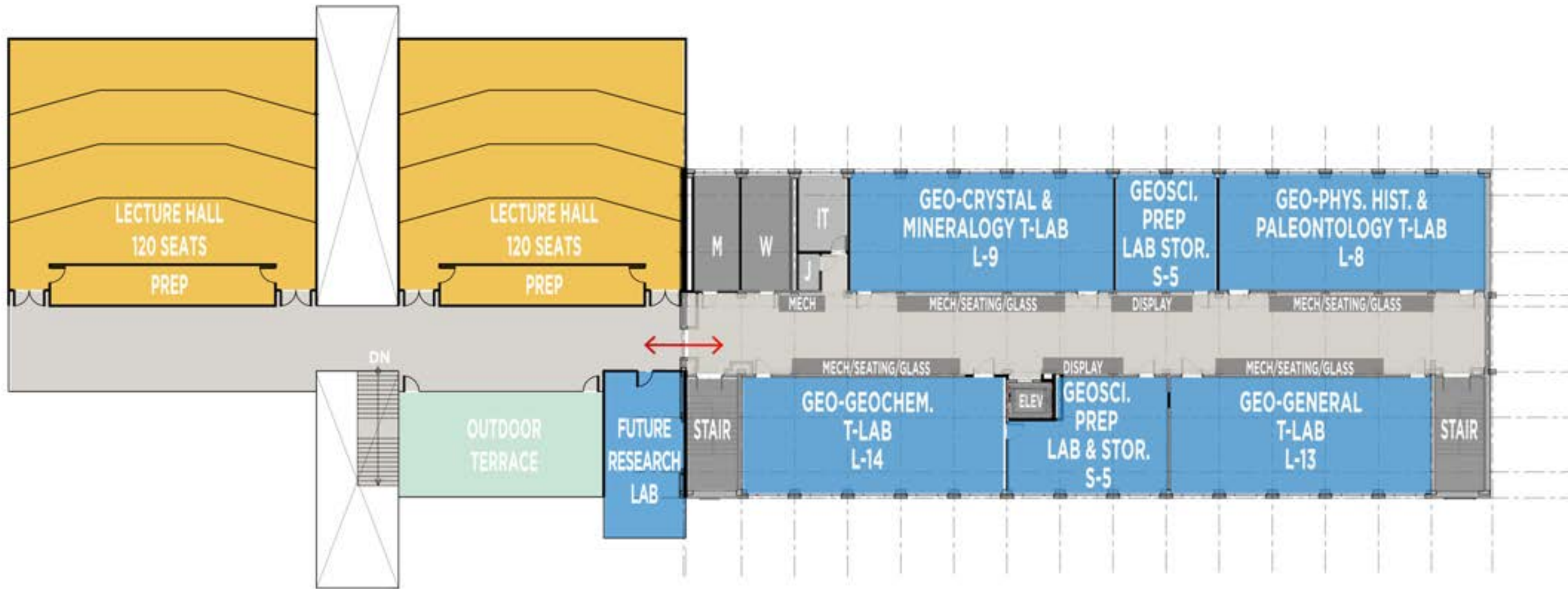
4629 sf
216 students

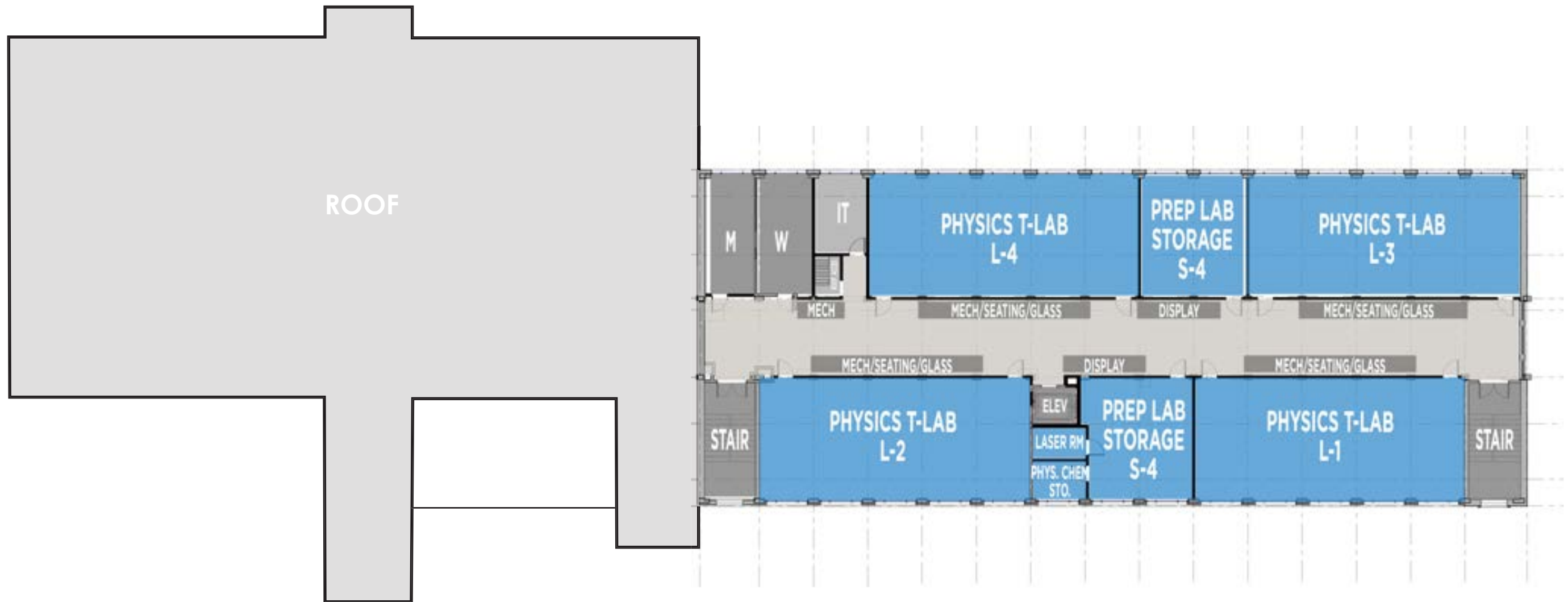


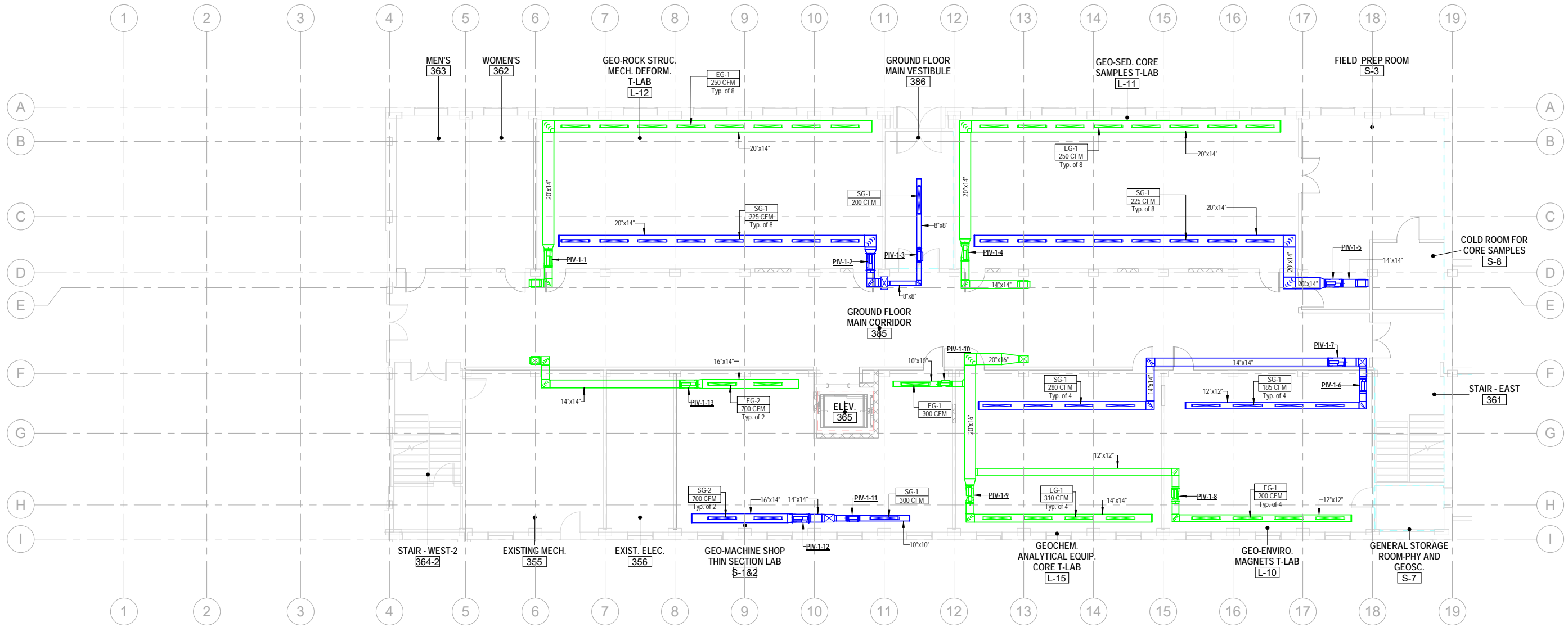
3150 sf
126 students



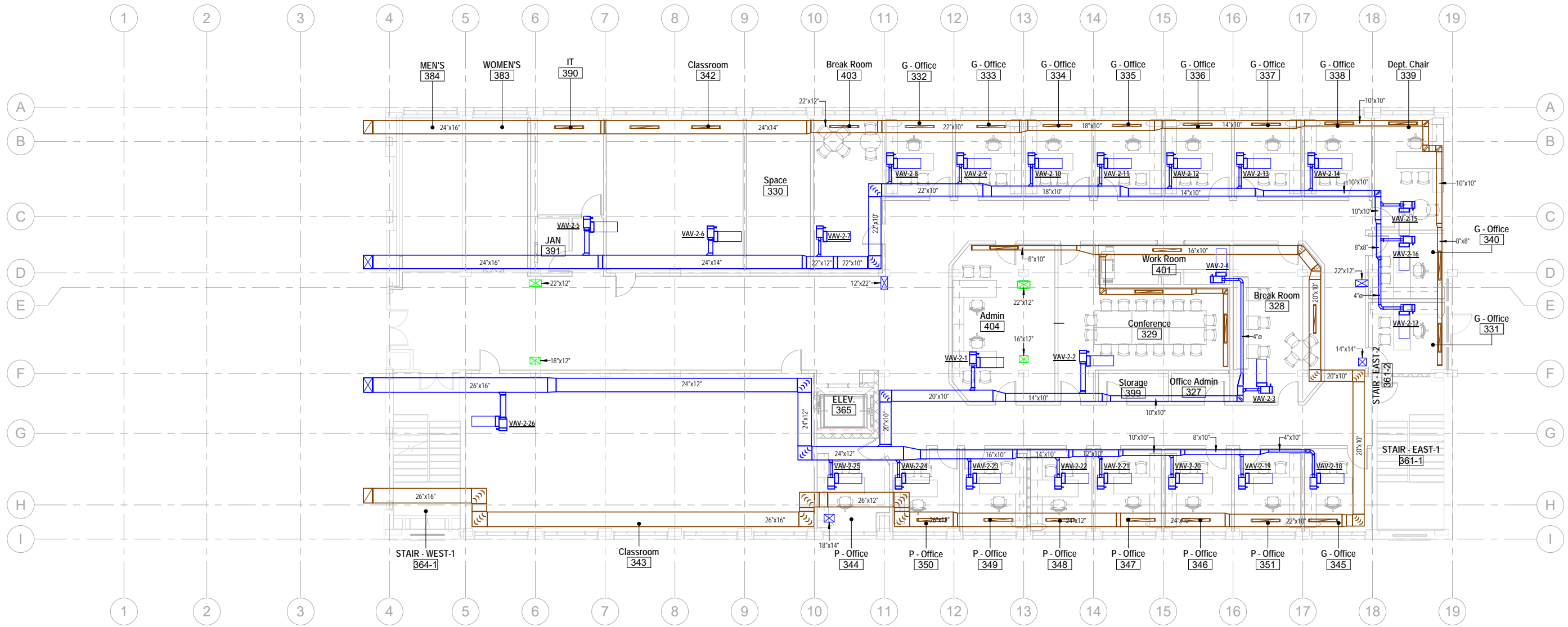




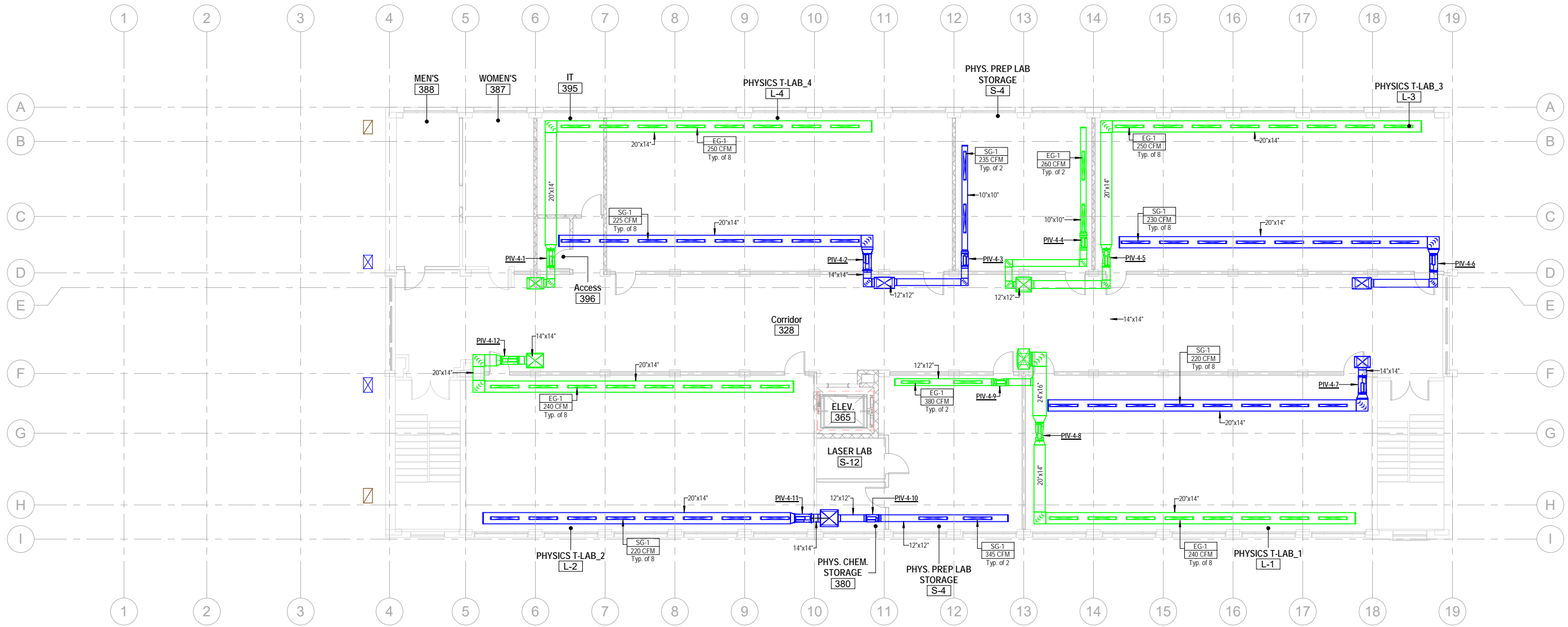




① 1st FL HVAC
1/8" = 1'-0"



① 2nd FL HVAC
1/8" = 1'-0"



① 4th FL HVAC
1/8" = 1'-0"

Pressure Independent Valve Schedule

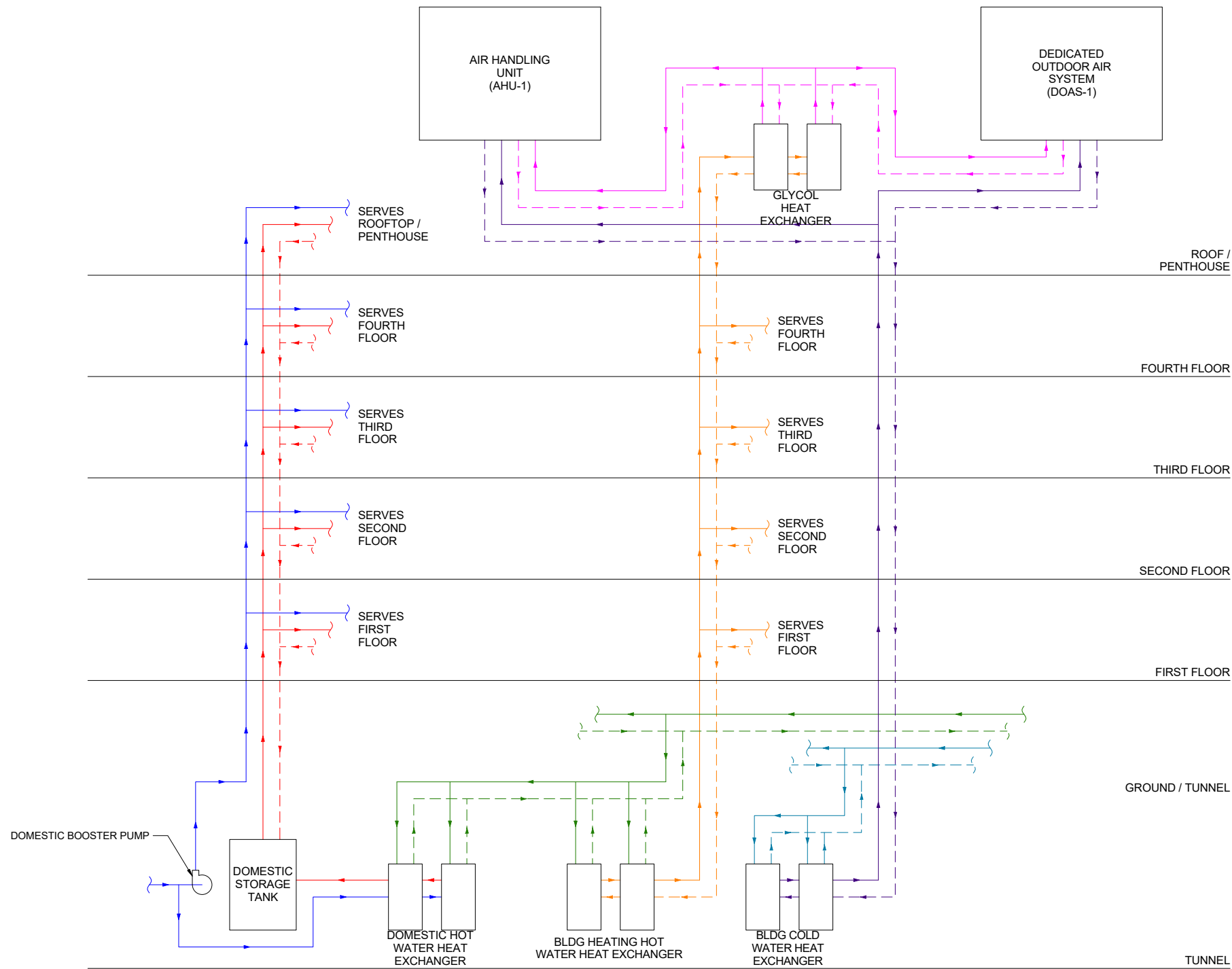
Tag	Manufacturer	Model	Location	Service	Type	Pressure Drop Through PIV and Coil	Maximum CFM	Cooling LAT	Air Side		EWT Heating	AAEC LWT Heating	Reheat Cooling Coil (MBH)	Reheat GPM	Sones	Electrical Data V/PH	Remarks
									Heating CFM	LAT Heating							
PIV-1-1	Phoenix Controls			L-12 GEO-ROCK STRUC. MECH. DEFORM. T-LAB	14IN	0.75 in-wg	2000 CFM	55 °F	670 CFM	90 °F	180 °F	160 °F	25.33	2.5 GPM		24/1	
PIV-1-2	Phoenix Controls			L-12 GEO-ROCK STRUC. MECH. DEFORM. T-LAB	14IN	0.75 in-wg	1800 CFM	55 °F	595 CFM	90 °F	180 °F	160 °F	22.49	2.2 GPM		24/1	DOAS
PIV-1-3	Phoenix Controls			386 GROUND FLOOR MAIN VESTIBULE	8IN	0.75 in-wg	200 CFM	55 °F	65 CFM	90 °F	180 °F	160 °F	2.46	0.2 GPM		24/1	DOAS
PIV-1-4	Phoenix Controls			L-11 GEO-SED. CORE T-LAB	14IN	0.75 in-wg	2000 CFM	55 °F	670 CFM	90 °F	180 °F	160 °F	25.33	2.5 GPM		24/1	
PIV-1-5	Phoenix Controls			L-11 GEO-SED. CORE T-LAB	14IN	0.75 in-wg	1800 CFM	55 °F	595 CFM	90 °F	180 °F	160 °F	22.49	2.2 GPM		24/1	DOAS
PIV-1-6	Phoenix Controls			L-10 GEO-ENVIRO. MAGNETS T-LAB	12IN	0.75 in-wg	740 CFM	55 °F	244 CFM	90 °F	180 °F	160 °F	9.22	0.9 GPM		24/1	DOAS
PIV-1-7	Phoenix Controls			L-15 GEO-CHEM. EQUIP. CORE T-LAB	14IN	0.75 in-wg	1120 CFM	55 °F	370 CFM	90 °F	180 °F	160 °F	13.99	1.4 GPM		24/1	DOAS
PIV-1-8	Phoenix Controls			L-10 GEO-ENVIRO. MAGNETS T-LAB	12IN	0.75 in-wg	800 CFM	55 °F	265 CFM	90 °F	180 °F	160 °F	10.02	1.0 GPM		24/1	
PIV-1-9	Phoenix Controls		L-15 GEO-CHEM. ANALYTICAL EQUIP. CORE T-LAB	L-15 GEO-CHEM. EQUIP. CORE T-LAB	14IN	0.75 in-wg	1240 CFM	55 °F	410 CFM	90 °F	180 °F	160 °F	15.50	1.5 GPM		24/1	
PIV-1-10	Phoenix Controls			S-1&2 GEO-MACHINE SHOP THIN SECTION LAB	10IN	0.75 in-wg	300 CFM	55 °F	100 CFM	90 °F	180 °F	160 °F	3.78	0.4 GPM		24/1	
PIV-1-11	Phoenix Controls			S-1&2 GEO-MACHINE SHOP THIN SECTION LAB	10IN	0.75 in-wg	300 CFM	55 °F	100 CFM	90 °F	180 °F	160 °F	3.78	0.4 GPM		24/1	DOAS
PIV-1-12	Phoenix Controls			S-1&2 GEO-MACHINE SHOP THIN SECTION LAB	14IN	0.75 in-wg	1400 CFM	55 °F	460 CFM	90 °F	180 °F	160 °F	17.39	1.7 GPM		24/1	DOAS
PIV-1-13	Phoenix Controls			S-1&2 GEO-MACHINE SHOP THIN SECTION LAB	14IN	0.75 in-wg	1400 CFM	55 °F	460 CFM	90 °F	180 °F	160 °F	17.39	1.7 GPM		24/1	
PIV-3-1	Phoenix Controls			L-9 GEO-CRYSTAL & MINERALOGY T-LAB	14IN	0.75 in-wg	2000 CFM	55 °F	670 CFM	90 °F	180 °F	160 °F	25.33	2.5 GPM		24/1	
PIV-3-2	Phoenix Controls			L-9 GEO-CRYSTAL & MINERALOGY T-LAB	14IN	0.75 in-wg	1800 CFM	55 °F	595 CFM	90 °F	180 °F	160 °F	22.49	2.2 GPM		24/1	DOAS
PIV-3-3	Phoenix Controls			S-5 GEO-CRYSTAL & MINERALOGY T-LAB	14IN	0.75 in-wg	990 CFM	55 °F	325 CFM	90 °F	180 °F	160 °F	12.29	1.2 GPM		24/1	DOAS
PIV-3-4	Phoenix Controls			S-5 GEOSCI. PREP LAB & STOR.	14IN	0.75 in-wg	1095 CFM	55 °F	361 CFM	90 °F	180 °F	160 °F	13.65	1.4 GPM		24/1	
PIV-3-5	Phoenix Controls			L-8 GEO-PHYS. PALEO T-LAB	14IN	0.75 in-wg	2000 CFM	55 °F	670 CFM	90 °F	180 °F	160 °F	25.33	2.5 GPM		24/1	
PIV-3-6	Phoenix Controls			L-8 GEO-PHYS. PALEO T-LAB	14IN	0.75 in-wg	1800 CFM	55 °F	595 CFM	90 °F	180 °F	160 °F	22.49	2.2 GPM		24/1	DOAS
PIV-3-7	Phoenix Controls			L-13 GEO GENERAL T-LAB	14IN	0.75 in-wg	1800 CFM	55 °F	595 CFM	90 °F	180 °F	160 °F	22.49	2.2 GPM		24/1	DOAS
PIV-3-8	Phoenix Controls			L-13 GEO GENERAL T-LAB	14IN	0.75 in-wg	2000 CFM	55 °F	670 CFM	90 °F	180 °F	160 °F	25.33	2.5 GPM		24/1	
PIV-3-9	Phoenix Controls			S-5 GEOSCI. PREP LAB STOR.	12IN	0.75 in-wg	770 CFM	55 °F	255 CFM	90 °F	180 °F	160 °F	9.64	1.0 GPM		24/1	
PIV-3-10	Phoenix Controls			S-5 GEOSCI. PREP LAB STOR.	12IN	0.75 in-wg	700 CFM	55 °F	230 CFM	90 °F	180 °F	160 °F	8.69	0.9 GPM		24/1	DOAS
PIV-3-11	Phoenix Controls			L-14 GEO-GEOCHEM T-LAB	14IN	0.75 in-wg	4550 CFM	55 °F	1500 CFM	90 °F	180 °F	160 °F	56.70	5.7 GPM		24/1	DOAS
PIV-3-12	Phoenix Controls			L-14 GEO-GEOCHEM T-LAB	14IN	0.75 in-wg	4550 CFM	55 °F	1500 CFM	90 °F	180 °F	160 °F	56.70	5.7 GPM		24/1	
PIV-4-1	Phoenix Controls			L-4 PHYSICS T-LAB_4	14IN	0.75 in-wg	2000 CFM	55 °F	670 CFM	90 °F	180 °F	160 °F	25.33	2.5 GPM		24/1	
PIV-4-2	Phoenix Controls			L-4 PHYSICS T-LAB_4	14IN	0.75 in-wg	1800 CFM	55 °F	595 CFM	90 °F	180 °F	160 °F	22.49	2.2 GPM		24/1	DOAS
PIV-4-3	Phoenix Controls			S-4 Prep - Stor.	12IN	0.75 in-wg	470 CFM	55 °F	155 CFM	90 °F	180 °F	160 °F	5.86	0.6 GPM		24/1	DOAS
PIV-4-4	Phoenix Controls			S-4 Prep - Stor.	12IN	0.75 in-wg	520 CFM	55 °F	170 CFM	90 °F	180 °F	160 °F	6.43	0.6 GPM		24/1	
PIV-4-5	Phoenix Controls			L-3 PHYSICS T-LAB_3	14IN	0.75 in-wg	2520 CFM	55 °F	830 CFM	90 °F	180 °F	160 °F	31.37	3.1 GPM		24/1	
PIV-4-6	Phoenix Controls			L-3 PHYSICS T-LAB_3	14IN	0.75 in-wg	1840 CFM	55 °F	605 CFM	90 °F	180 °F	160 °F	22.87	2.3 GPM		24/1	DOAS
PIV-4-7	Phoenix Controls			L-1 PHYSICS T-LAB_1	14IN	0.75 in-wg	1760 CFM	55 °F	580 CFM	90 °F	180 °F	160 °F	21.92	2.2 GPM		24/1	DOAS
PIV-4-8	Phoenix Controls			L-1 PHYSICS T-LAB_1	14IN	0.75 in-wg	1920 CFM	55 °F	630 CFM	90 °F	180 °F	160 °F	23.81	2.4 GPM		24/1	
PIV-4-9	Phoenix Controls			S-4 PHYS. PREP LAB STORAGE	12IN	0.75 in-wg	760 CFM	55 °F	250 CFM	90 °F	180 °F	160 °F	9.45	0.9 GPM		24/1	
PIV-4-10	Phoenix Controls			S-4 PHYS. PREP LAB STORAGE	12IN	0.75 in-wg	690 CFM	55 °F	225 CFM	90 °F	180 °F	160 °F	8.51	0.9 GPM		24/1	DOAS
PIV-4-11	Phoenix Controls			L-2 PHYSICS T-LAB_2	14IN	0.75 in-wg	1760 CFM	55 °F	580 CFM	90 °F	180 °F	160 °F	21.92	2.2 GPM		24/1	DOAS
PIV-4-12	Phoenix Controls			L-2 PHYSICS T-LAB_2	14IN	0.75 in-wg	1920 CFM	55 °F	630 CFM	90 °F	180 °F	160 °F	23.81	2.4 GPM		24/1	

VAV Unit Schedule

Tag	Manufacturer	Model	Location	Service	Type	Pressure Drop through VAV and Coil	Maximum CFM	Cooling LAT	Reheat Coil						Sones	Electrical Data V/PH	Remarks
									Air Side		Water Side						
									Heating CFM	LAT Heating	EWT Heating	LWT Heating	Reheat Coil Capacity (MBH)	Reheat GPM			
VAV-2-1	Titus HVAC	DESV	404 Admin	404 Admin	06	0.50 in-wg	400 CFM	55 °F	150 CFM	90 °F	180 °F	160 °F	5.67	0.6 GPM		24/1	AHU-1
VAV-2-2	Titus HVAC	DESV	329 Conference	329 Conference, 399 Storage, 327 Office Admin	08	0.50 in-wg	450 CFM	55 °F	180 CFM	90 °F	180 °F	160 °F	6.80	0.7 GPM		24/1	AHU-1
VAV-2-3	Titus HVAC	DESV	328 Break Room	328 Break Room	06	0.50 in-wg	300 CFM	55 °F	150 CFM	90 °F	180 °F	160 °F	5.67	0.6 GPM		24/1	AHU-1
VAV-2-4	Titus HVAC	DESV	401 Work Room	401 Work Room	04	0.50 in-wg	150 CFM	55 °F	30 CFM	90 °F	180 °F	160 °F	1.13	0.1 GPM		24/1	AHU-1
VAV-2-5	Titus HVAC	DESV	XXX Corridor	390 IT, 391 JAN	08	0.50 in-wg	500 CFM	55 °F	200 CFM	90 °F	180 °F	160 °F	7.56	0.8 GPM		24/1	AHU-1
VAV-2-6	Titus HVAC	DESV	342 Classroom	342 Classroom	08	0.50 in-wg	500 CFM	55 °F	200 CFM	90 °F	180 °F	160 °F	7.56	0.8 GPM		24/1	AHU-1
VAV-2-7	Titus HVAC	DESV	403 Break Room	403 Break Room	06	0.50 in-wg	300 CFM	55 °F	125 CFM	90 °F	180 °F	160 °F	4.73	0.5 GPM		24/1	AHU-1
VAV-2-8	Titus HVAC	DESV	332 G - Office	332 G - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-9	Titus HVAC	DESV	333 G - Office	333 G - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-10	Titus HVAC	DESV	334 G - Office	334 G - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-11	Titus HVAC	DESV	335 G - Office	335 G - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-12	Titus HVAC	DESV	336 G - Office	336 G - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-13	Titus HVAC	DESV	337 G - Office	337 G - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-14	Titus HVAC	DESV	338 G - Office	338 G - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-15	Titus HVAC	DESV	339 Dept. Chair	339 Dept. Chair	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-16	Titus HVAC	DESV	340 G - Office	340 G - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-17	Titus HVAC	DESV	331 G - Office	331 G - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-18	Titus HVAC	DESV	345 G - Office	345 P - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-19	Titus HVAC	DESV	351 P - Office	351 P - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-20	Titus HVAC	DESV	346 P - Office	346 P - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-21	Titus HVAC	DESV	347 P - Office	347 P - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-22	Titus HVAC	DESV	348 P - Office	348 P - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-23	Titus HVAC	DESV	349 P - Office	349 P - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-24	Titus HVAC	DESV	350 P - Office	350 P - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-25	Titus HVAC	DESV	344 P - Office	344 P - Office	04	0.50 in-wg	150 CFM	55 °F	50 CFM	90 °F	180 °F	160 °F	1.89	0.2 GPM		24/1	AHU-1
VAV-2-26	Titus HVAC	DESV	343 Classroom	343 Classroom	10	0.50 in-wg	1200 CFM	55 °F	400 CFM	90 °F	180 °F	160 °F	15.12	1.5 GPM		24/1	AHU-1

Air Device Schedule

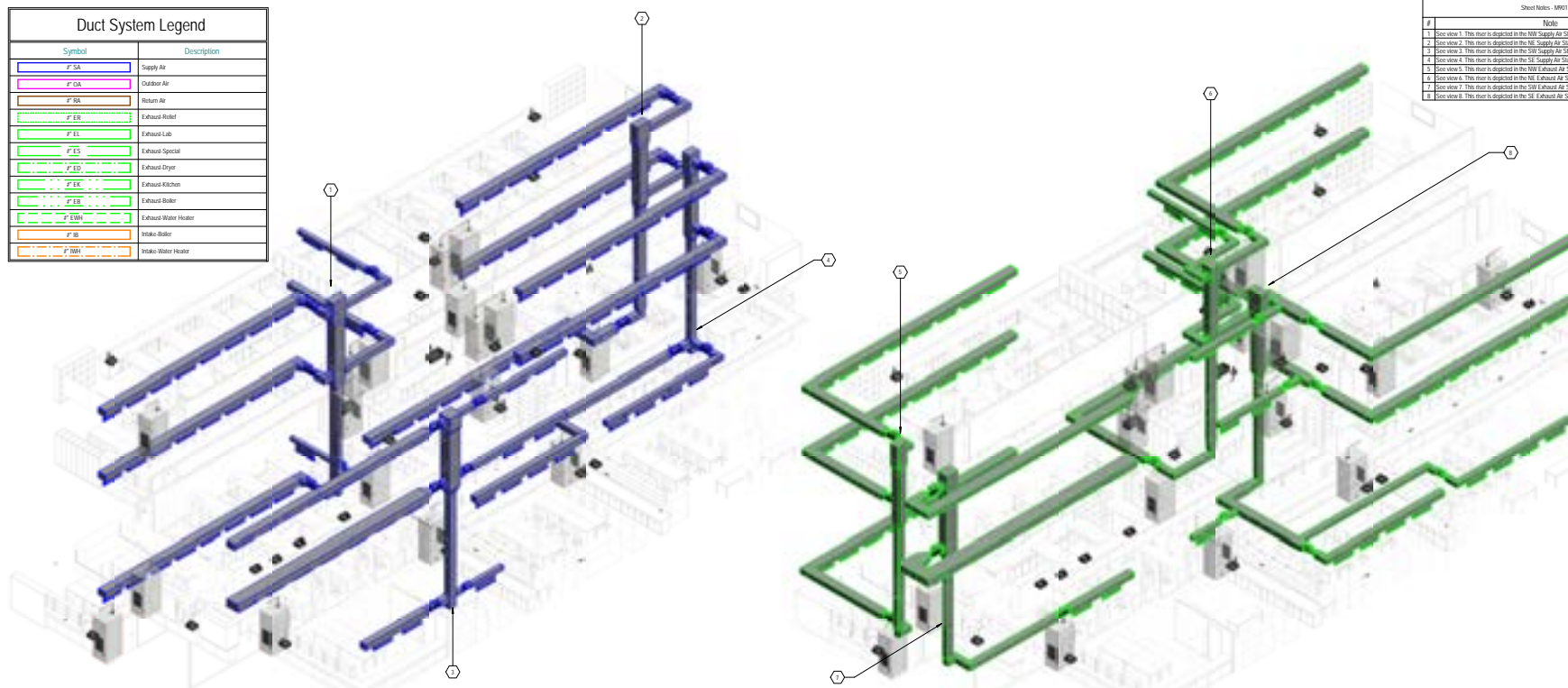
Tag	Basis of Design		Material	Airflow Range (CFM)	Connection Size (in)	Max Noise Criteria (NC)	Remarks
	Manufacturer	Model					
EG-1	Titus HVAC	FL-20	Steel	0-350		25	
EG-2	Titus HVAC	FL-20	Steel	0-600		25	
SG-1	Titus HVAC	FL-20	Steel	0-350		25	DOAS
SG-2	Titus HVAC	FL-20	Steel	0-600		25	DOAS



- SYMBOL LEGEND**
- DOMESTIC COLD WATER (CW)
 - DOMESTIC HOT WATER (HW)
 - - - DOMESTIC HOT WATER RETURN (HWR)
 - CHILLED COLD WATER SUPPLY (CCWS)
 - - - CHILLED COLD WATER RETURN (CCWR)
 - HEATING HOT WATER SUPPLY (HHWS)
 - - - HEATING HOT WATER RETURN (HHWR)
 - GLYCOL HEATING HOT WATER SUPPLY (GHHWS)
 - - - GLYCOL HEATING HOT WATER RETURN (GHHWR)
 - HIGH TEMPERATURE HEATING HOT WATER SUPPLY (HTHWS)
 - - - HIGH TEMPERATURE HEATING HOT WATER RETURN (HTHWR)
 - TUNNEL COLD WATER SUPPLY (TCWS)
 - - - TUNNEL COLD WATER RETURN (TCWR)
-  PUMP

Duct System Legend	
Symbol	Description
	Supply Air
	Outdoor Air
	Return Air
	Exhaust-Robot
	Exhaust-Lab
	Exhaust-Special
	Exhaust-Dryer
	Exhaust-Kitchen
	Exhaust-Baker
	Exhaust-Water Heater
	Intake-Baker
	Intake-Water Heater

Sheet Notes - M001	
#	Note
1	See view 1. This floor is depicted in the NW Supply Air Stack below.
2	See view 2. This floor is depicted in the NE Supply Air Stack below.
3	See view 3. This floor is depicted in the SW Supply Air Stack below.
4	See view 4. This floor is depicted in the SE Supply Air Stack below.
5	See view 5. This floor is depicted in the NW Exhaust Air Stack below.
6	See view 6. This floor is depicted in the NE Exhaust Air Stack below.
7	See view 7. This floor is depicted in the SW Exhaust Air Stack below.
8	See view 8. This floor is depicted in the SE Exhaust Air Stack below.

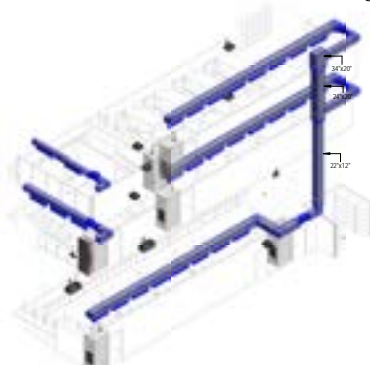


① Overall Laboratory Supply Iso - DOAS

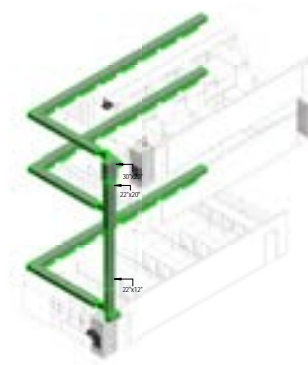
② Overall Laboratory Exhaust Iso - DOAS



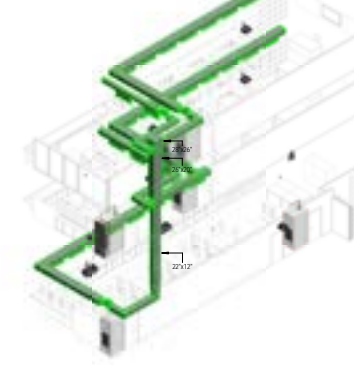
③ NW Laboratory Supply Air Stack - DOAS



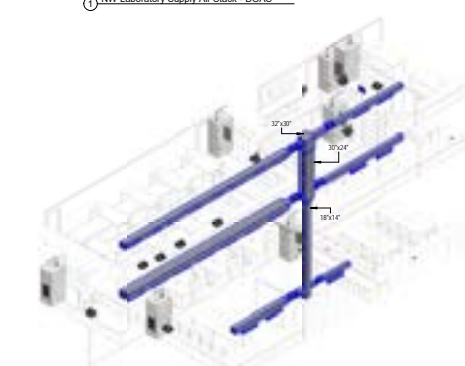
④ NE Laboratory Supply Air Stack - DOAS



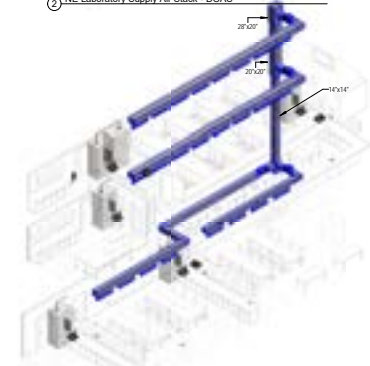
⑤ NW Laboratory Exhaust Air Stack - DOAS



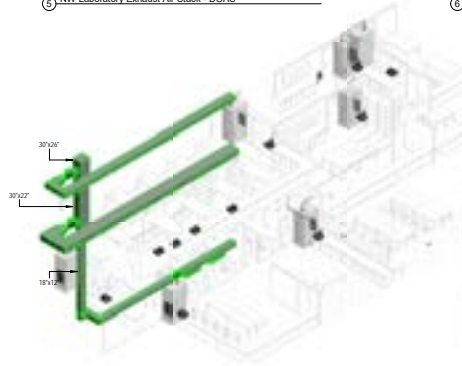
⑥ NE Laboratory Exhaust Air Stack - DOAS



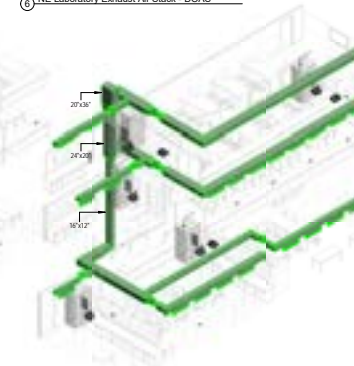
⑦ SW Laboratory Supply Air Stack - DOAS



⑧ SE Laboratory Supply Air Stack - DOAS



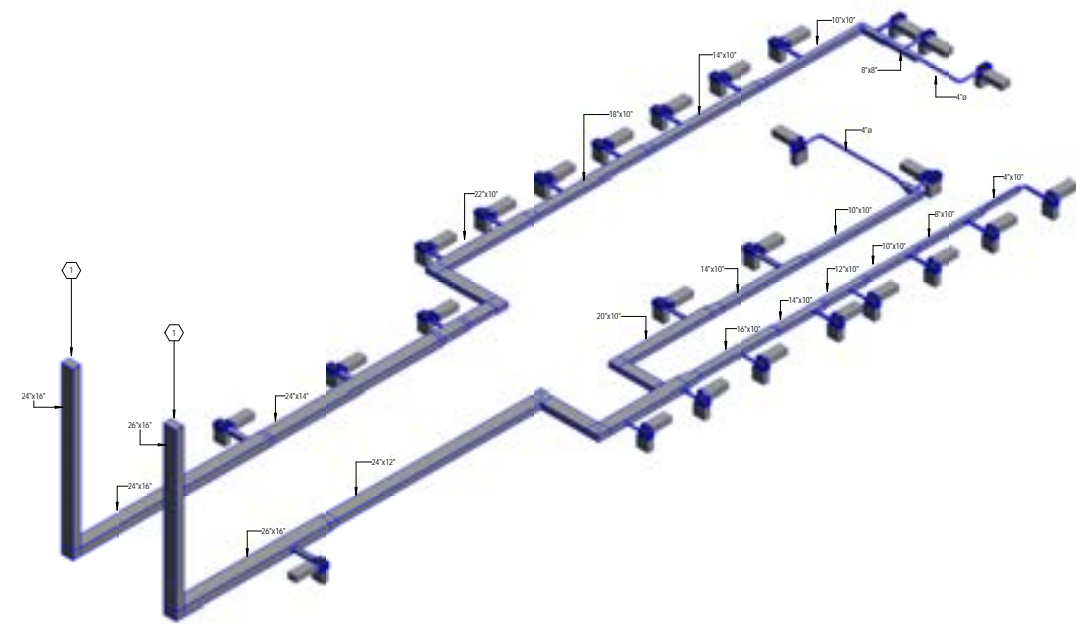
⑨ SW Laboratory Exhaust Air Stack - DOAS



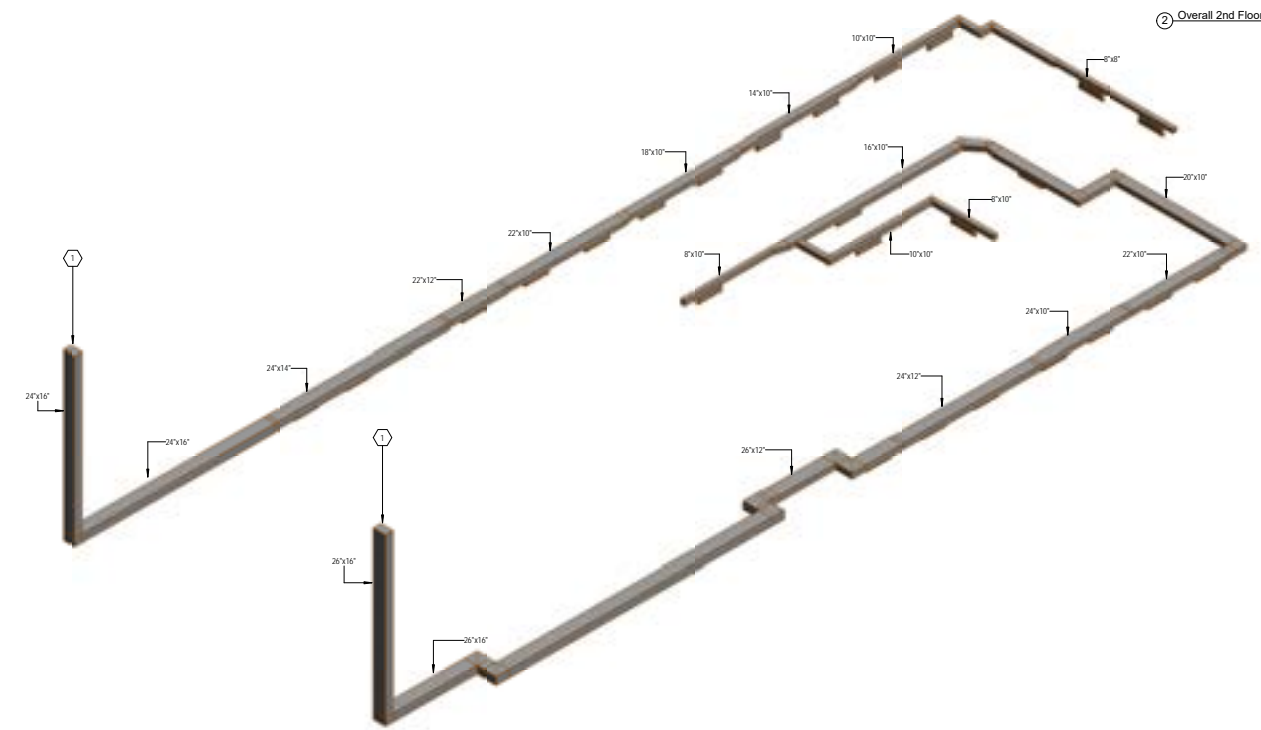
⑩ SE Laboratory Exhaust Air Stack - DOAS

Sheet Notes - M902	
#	Note
1	Duct riser shall serve new addition classrooms and lecture halls, extending towards the West.

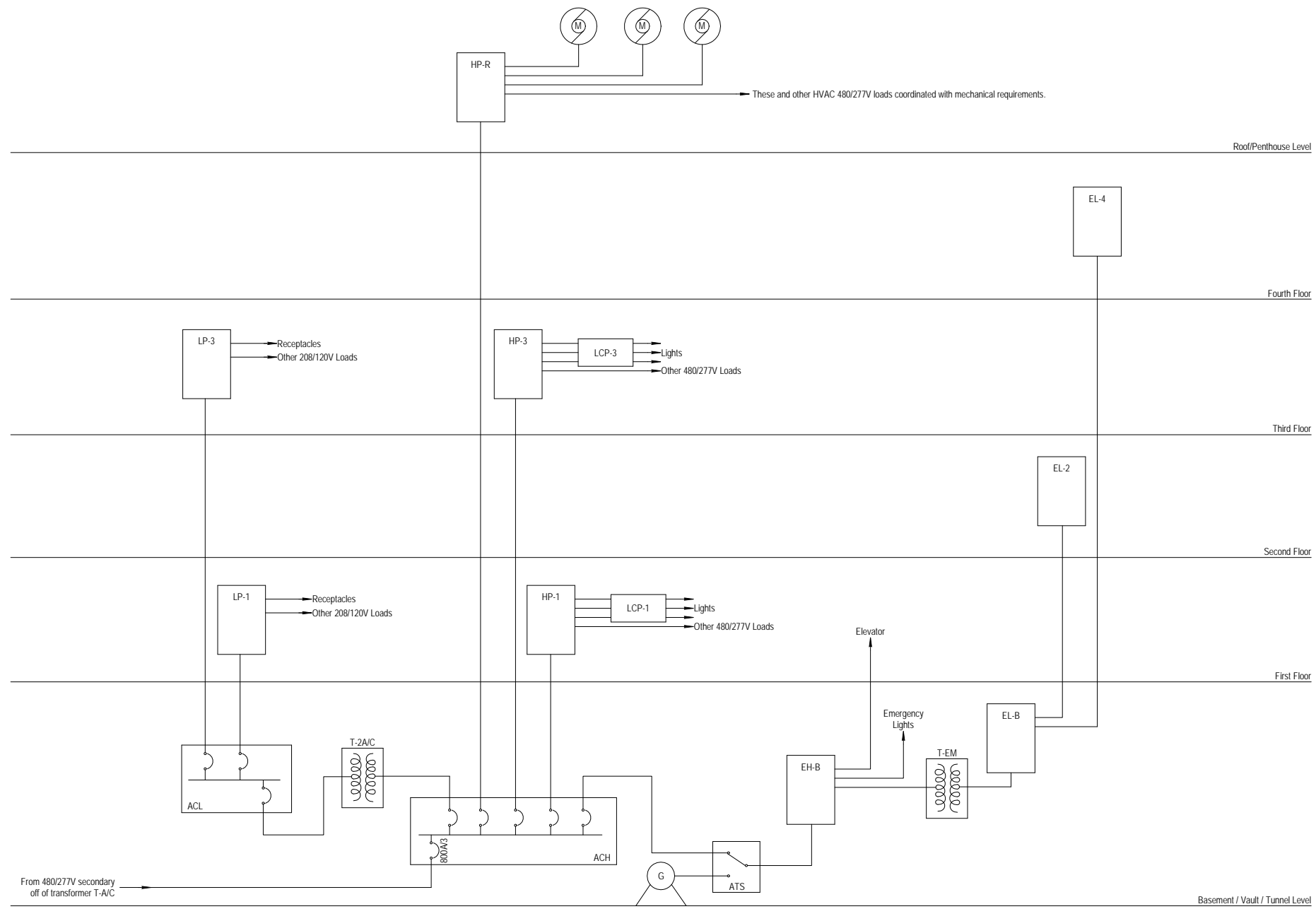
Duct System Legend	
Symbol	Description
	Supply Air
	Outdoor Air
	Return Air
	Exhaust Relief
	Exhaust Lab
	Exhaust Special
	Exhaust Dryer
	Exhaust Kitchen
	Exhaust Boiler
	Exhaust Water Heater
	Intake Boiler
	Intake Water Heater



② Overall 2nd Floor & New Addition Supply Air Iso - AHU-1



① Overall 2nd Floor & New Addition Return Air Iso - AHU-1



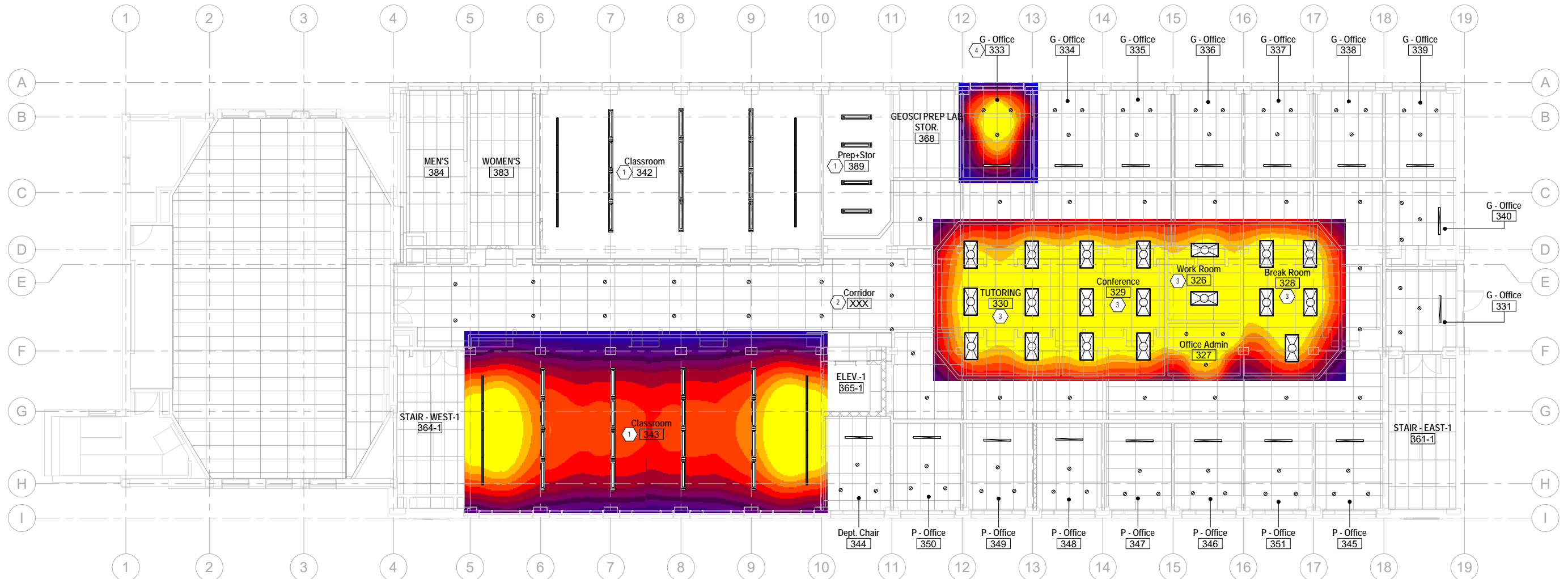
① Partial Riser Diagram
NTS

Luminaire Symbols

- P1
- P2
- R1
- R2
- R3

Lighting Fixtures

Tag	Manufacturer	Model	Description
P1	Ledalle	2901LBEWN4	Suspended linear wall washer LED with asymmetric optics. Comes in sections which are a multiple of 2' in length.
P2	Finelle	S16 LED ID DCO 4' 3E B/B 840	Direct/indirect suspended LED. Comes in multiples of 4' lengths.
R1	Gotham	EVO 50/10 6AR MD MVOLT GZ10 TRW	Recessed 6" circular downlight, medium distribution (4000K in rooms, 5000K in corridors)
R2	Axis Lighting	BMRL-LED-500-90-40-ASO-12	Recessed linear wall washer LED. Comes in 4' sections.
R3	Lithonia	2VTL4 40L ADP GZ10 LP840 N80	CPFM standard troffer, can be 2'x4' or 2'x2' (4000K in rooms, 5000K in corridors)

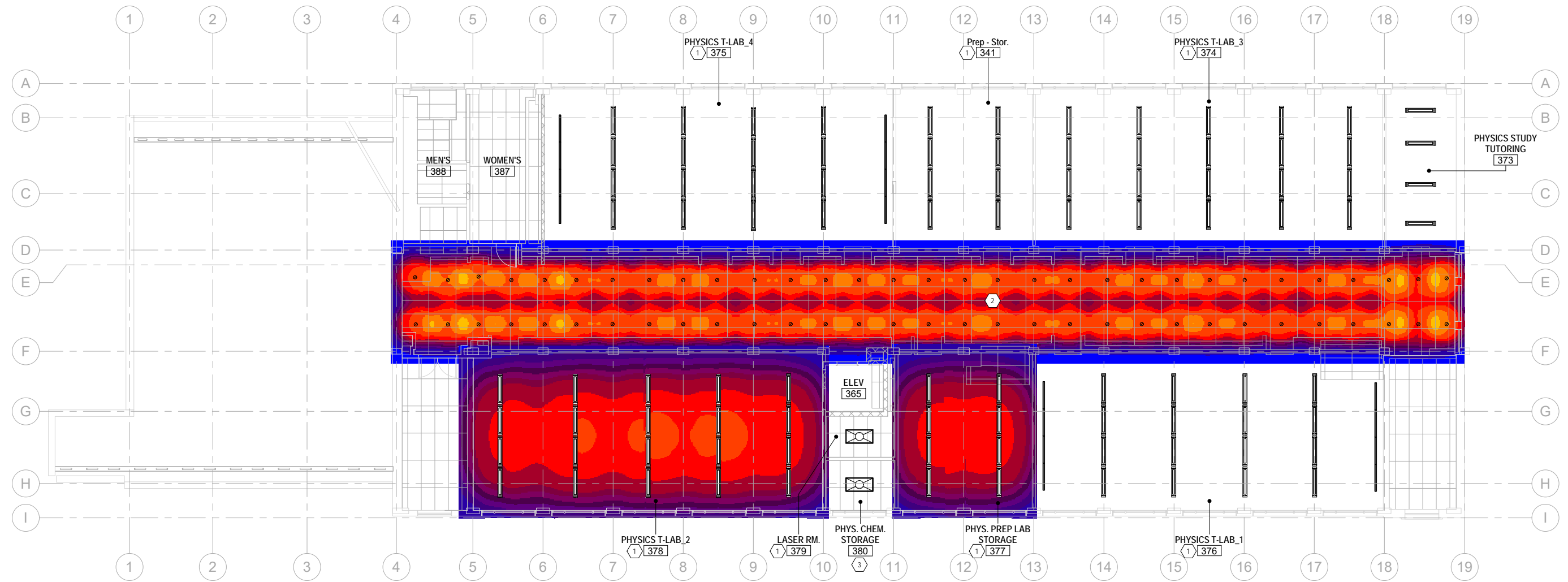


① Second Floor Lighting with Select Areas Analyzed
1/8" = 1'-0"

Luminaire Symbols

- P1
- P2
- R1
- R2
- R3

Lighting Fixtures			
Tag	Manufacturer	Model	Description
P1	Ledalle	2901LBWN4	Suspended linear wall washer LED with asymmetric optics. Comes in sections which are a multiple of 2' in length.
P2	Finelle	S16 LED ID DCO 4' 3E B/B 840	Direct/Indirect suspended LED. Comes in multiples of 4' lengths.
R1	Gotham	EVO 50/10 6AR MD MVOLT GZ10 TRW	Recessed 6" circular downlight, medium distribution (4000K in rooms, 5000K in corridors)
R2	Axis Lighting	BMRL LED-500-90-40-ASO-12	Recessed linear wall washer LED. Comes in 4' sections.
R3	Lithonia	2VTL4 40L ADP GZ10 LP840 N80	CPFM standard troffer, can be 2'x4' or 2'x2' (4000K in rooms, 5000K in corridors)



① Fourth Floor Lighting with Select Areas Analyzed
1/8" = 1'-0"

Physical Environment Committee Minutes

**October 17, 2019
2:39 pm – 4:08 pm**

Lincoln Building Third Floor Conference Room

MEETING CALLED BY	Shawn Stevens
TYPE OF MEETING	University Council Committee Meeting
FACILITATORS	Shawn Stevens
NOTES SUBMITTED BY:	Dorothy Gruich

Members

Name	Constituent Group	Term End Date	
Marilia Antunez	Faculty Senate	2019-2022	Present
Malik Elbuluk	Faculty Senate	2019-2021	Present
Max Fightmaster	SEAC	2021	Present
Dimitria Gatzia	Chairs/School Directors	Continuous	Present
Dorothy Gruich - Secretary	CPAC	2021	Present
Sarah Han	GSG	2019-2020	Present
Craig Menzemer	Deans	Continuous	Present
Stephen Myers	Administrator	Continuous	Present
Mark Okocha	USG	2019-2020	Present
Lisa Sabol	CPAC	2019-2020	Excused
Derek Schwarz	GSG	2019-2020	Via conference phone
Shawn Stevens - Chair	SEAC – at large	Continuous	Present
Maci Woyat	USG	2019-2020	Present

Guests

None

Minutes Approval

DISCUSSION	Minutes from September 19, 2019 were unanimously approved.
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General Discussion

- The October agenda was approved as presented.
- Discussion was held on the topic of speeding in lot 6, submitted via Issue Brief. The membership agreed that the most expedient and cost-effective solution would be to re-install speed bumps along the parking lanes on the north and west sides of InfoCision Stadium.
- Coach Dennis Mitchell of Track & Field e-mailed a copy of the "Back on Track" fundraising initiative for our review/endorsement. Discussion was held and we learned that the existing facility is not designed on the current metric standard in addition to the surface condition being unsafe for usage. This renders the facility unsuitable for practices as well as hosting events. The committee voted unanimously to support the initiative provided that the project is donor funded and not supported through the General Fund, similar to the baseball field replacement.
- USG representatives inquired about sustainability efforts as well as mentioning the desire to sponsor new bottle filling water coolers. Installation costs will be reviewed and shared at our next meeting. There was further discussion regarding Perfect Plastics and where the initiative could be housed and who would sponsor it moving forward.
- Stephen Myers presented general project updates including the opening of the Sumner Street bridge for pedestrian traffic, the completion of the Kolbe Hall elevator, the completion of half of the Bierce elevator replacement, and the demolition of Gallucci Hall. A new pollinator garden will be a part of the site restoration in the Spring. EJ Thomas has new LED lighting in the lobby spaces. Auburn Science elevator project, IT cabling, Baseball field replacement, Computer Center Roof are all in progress. Guzzetta Hall's roof replacement is almost complete.
- The committee set the next meeting dates for November 21 and December 12. Spring semester dates will be set at the December meeting once everyone has teaching and other schedules determined.

Meeting adjourned at 4:08 pm

Next Meetings – 11/21/19, 12/12/19

Physical Environment Committee Minutes

November 21, 2019

2:35 pm – 4:17 pm

Lincoln Building Third Floor Conference Room

MEETING CALLED BY	Shawn Stevens
TYPE OF MEETING	University Council Committee Meeting
FACILITATORS	Shawn Stevens
NOTES SUBMITTED BY:	Dorothy Gruich

Members

Name	Constituent Group	Term End Date	
Marilia Antunez	Faculty Senate	2019-2022	Present
Malik Elbuluk	Faculty Senate	2019-2021	Absent
Max Fightmaster	SEAC	2021	Present
Dimitria Gatzia	Chairs/School Directors	Continuous	Excused
Dorothy Gruich - Secretary	CPAC	2021	Present
Sarah Han	GSG	2019-2020	Present
Craig Menzemer	Deans	Continuous	Excused
Stephen Myers	Administrator	Continuous	Present
Mark Okocha	USG	2019-2020	Present
Lisa Sabol	CPAC	2019-2020	Present
Derek Schwarz	GSG	2019-2020	Via conference phone
Shawn Stevens - Chair	SEAC – at large	Continuous	Present
Maci Woyat	USG	2019-2020	Present

Guests

Harvey Sterns

Minutes Approval

DISCUSSION	Minutes from October 17, 2019 were unanimously approved.
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General Discussion

- Mark Okocha requested that discussion of a unified posting policy for all student groups be added to the November agenda. Max Fightmaster made the motion requesting the topic addition, Lisa Sabol seconded and the motion was approved unanimously.
- Discussion was held on the topic submission received regarding the pedestrian crosswalk at Hill Street and University Avenue. Since this was already part of the discussion with the city of Akron in previous meetings, Dorothy will follow up with Mike Lupica to check on status of painting this crosswalk and others around campus for better visibility.
- Topics of better lighting in and around campus and placement of blue light towers were discussed per request of GSG President, Amanda Stefin. Shawn Stevens and Mark Okocha reported there was a Safety Walk scheduled for tonight @ 7:15pm. Typically USG representatives, UAPD and Safety personnel schedule at least one walk per semester to review such issues. The UA App also has a spot to report issues such as lighting, or other concerns in and around campus. USG will make sure that GSG representatives are invited to the walk.
- Stephen Myers reported that additional blue light towers are installed when new construction is finished. They serve as a deterrent to crime and are checked on a regular basis.
- The committee discussed concerns about students receiving information regarding safety, UA Zip Patrol and emergency contact numbers, specifically transfer students that do not receive any additional training when coming to campus. One idea is to include information when students pick up parking passes.
- Mark Okocha reported that many student groups have concerns regarding rules about posting flyers in buildings. For example, the Student Union has a strict and clear policy regarding postings. Can there be one unified policy for all buildings? Stephen Myers stated that it's up to each college/building to establish and enforce a policy. There are standard rules across campus that postings should not be placed on painted surfaces, but it's not always enforced and not all buildings have bulletin boards to accommodate postings. Max Fightmaster suggested that building coordinators could serve as the contact for such questions and offered to get a list for Mark.
- Mark Okocha requested information on how USG would obtain permission for students from the Art Brigade to paint/install murals in campus buildings. USG will need to seek permission from each college/building coordinator.
- Stephen Myers presented general project updates including: the west campus parking deck is almost complete, railings to be installed on the Sumner Street bridge for pedestrian traffic, elevators in Bierce and Auburn will be completed by mid-December, still finishing roof replacements, structural repairs and roof replacement on the Carriage House at the Hower House are complete. IT infrastructure project is ongoing with pertinent information posted in The Digest. Library hours will be affected in January due to cabling work in the evening. The baseball field is almost

finished and the team did practice on it. The first phase of the vault project on Carroll Street is complete and the fencing will be removed soon. The second phase of the project starts in March in the center of campus and planned to be finished in the fall. Other updates include the demolition of Ayer Hall next fall, the Student Union is getting a new dishwasher, Radiator Rich will be torn down soon and the restrooms in Bierce are getting renovated. Finished projects include the Institute for Human Science and Culture and the College of Business Administration.

Meeting adjourned at 4:17 pm

Next Meetings – 12/12/19

Physical Environment Committee Minutes

December 12, 2019

2:38 pm – 3:22 pm

Lincoln Building Third Floor Conference Room

MEETING CALLED BY	Shawn Stevens
TYPE OF MEETING	University Council Committee Meeting
FACILITATORS	Shawn Stevens
NOTES SUBMITTED BY:	Dorothy Gruich

Members

Name	Constituent Group	Term End Date	
Marilia Antunez	Faculty Senate	2019-2022	Present
Malik Elbuluk	Faculty Senate	2019-2021	Present
Max Fightmaster	SEAC	2021	Present
Dimitria Gatzia	Chairs/School Directors	Continuous	Present
Dorothy Gruich - Secretary	CPAC	2021	Present
Sarah Han	GSG	2019-2020	Excused
Craig Menzemer	Deans	Continuous	Present
Stephen Myers	Administrator	Continuous	Present
Mark Okocha	USG	2019-2020	Absent
Lisa Sabol	CPAC	2019-2020	Excused
Derek Schwarz	GSG	2019-2020	Via conference phone
Shawn Stevens - Chair	SEAC – at large	Continuous	Excused
Maci Woyat	USG	2019-2020	Excused

Guests

Minutes Approval

DISCUSSION	Minutes from November 21, 2019 were unanimously approved.
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General Discussion

- Agenda and November minutes were unanimously approved.
- USG reps were not present so tabled update on the safety walk.
- Tabled setting future meeting dates due to several members not present.
- General updates from Stephen Myers:
 - Construction on Buckingham begins in January
 - IT cabling project continues through summer
 - ICS Industrial Control Systems Test Bed Ribbon Cutting took place in December
 - Railings have not been installed on the new bridge yet
 - Advisor suite finished in Auburn Science Center
 - Baseball field is completed, just working on concrete and finishing touches
 - Turf replacement in field house is complete
 - Labs at Medina and Wayne are being worked on
 - UA will receive a new hazmat storage building
 - Request is out to bid for new air handlers in the Roadway building
 - Whitby Hall roof replacement out to bid
 - West campus parking deck is complete
 - Architects have been selected for the restrooms update in Bierce Library
 - Ayer/Crouse renovation: decreased lecture halls from 3 to 2 to fit the budget
 - Radiator Rich building has been demolished.

Meeting adjourned at 3:22 pm

<i>Next Meetings – 12/12/19</i>
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