

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58

ADDENDUM NO. 1

ISSUE DATE: **September 05, 2024**

RE: **CHAMBERLIN L&S SONGS PHYSICS LAB RENOVATION
UNIVERSITY OF WISCONSIN-MADISON
MADISON, WISCONSIN**

UW-Institution Project No. 0055-2346
UWSA Project No. A-23-012

BID DUE: **MEP Bidders: 2:00 P.M., September 19, 2024
GPC Bidders: 2:00 P.M., October 3, 2024**

FROM: **Continuum Architects + Planners, SC
751 North Jefferson St., Suite 200
Milwaukee, WI 53202**

TO: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Contract Documents dated **August 16, 2024** as noted below. Acknowledge receipt of this Addendum by inserting the number and issue date of this addendum in the blank space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of **TWO (2) page(s)** and the attached documents:

Specifications:

A-1 – MEP INVITATION TO BID
A-2 – MEP INVITATION TO BID

Drawings:

A101 - DEMOLITION PLAN - LEVEL 03
A102 - DEMOLITION PLAN - LEVEL 04
E201 – NEW WORK PLAN – LEVEL 03 - ELECTRICAL
E211- NEW WORK PLAN – LEVEL 04 – ELECTRICAL
E301- NEW WORK ENLARGED PLANS – LEVEL 03 & LEVEL 04 - ELECTRICAL

CHANGES TO SPECIFICATION:

1. Replace Invitation to Bid pages A-1 and A-2 in entirety with attached replacement pages A-1 and A-2. Reason is to correct incorrect email address on Page A-1, line 34.

CHANGES TO DRAWINGS:

1. Sheet A101 – DEMOLITION PLAN – LEVEL 03
 - a. Add demolition plan keynote 20.
2. Sheet A102 – DEMOLITION PLAN – LEVEL 04
 - a. Add demolition plan keynote 20.
3. Sheet E201 – NEW WORK PLAN – LEVEL 03 - ELECTRICAL
 - a. Revise power general note to clarify the number of current carrying conductors allowed to be installed in a single conduit prior to conductor derating.
4. Sheet E211 – NEW WORK PLAN – LEVEL 04 - ELECTRICAL
 - a. Revise power general note to clarify the number of current carrying conductors allowed to be installed in a single conduit prior to conductor derating.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

- 5. Sheet E301 – NEW WORK ENLARGED PLANS – LEVEL 03 & LEVEL 04 - ELECTRICAL
 - a. Revise power general note to clarify the number of current carrying conductors allowed to be installed in a single conduit prior to conductor derating.

END OF ADDENDUM

Continuum Architects + Planners S.C.
751 North Jefferson Ste. #200
Milwaukee WI, 53202

The Board of Regents of the
University of Wisconsin on Behalf of
The University of Wisconsin - Madison
C/O UWSA – Capital Planning and
Budget, 780 Regent Street, Suite 239
Madison, Wisconsin 53715

1 **MEP INVITATION TO BID** (Rev 04/2024)
2 THE BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

3
4 **CHAMBERLIN L&S SONG PHYSICS LAB RENOVATION**
5 **UNIVERSITY OF WISCONSIN - MADISON**
6 **MADISON, WISCONSIN**

7
8 UW-Madison Project No. **0055-2346** / UWSA Project No. **A-23-012**

9
10 **BID OPENING for MEP BIDDERS: 2:00 P.M., September 19, 2024.**
11 **BID OPENING for GENERAL PRIME CONTRACTOR BIDDERS: 2:00 P.M., October 3, 2024.**

12
13 OWNER: The Board of Regents of the University of Wisconsin System, hereinafter termed the Owner.

14
15 **NOTICE: All potential bidders must be certified by DOA prior to submitting bids on UW-Managed construction**
16 **projects.** All bids received from contractors who are not certified will be rejected. Contractor certification applications
17 and instructions for completing the form may be obtained from the DOA Website DFD Contractor Certification page:
18 <https://doa.wi.gov/Pages/DoingBusiness/ContractorCertification.aspx> .

19
20 **This project is being let using a single prime bidding and contracting process.** the Owner will publicly bid the
21 applicable mechanical, electrical, plumbing, and fire protection (MEP) divisions of work **first**. Within five (5) days of the
22 MEP bid opening, the Owner will identify a lowest, qualified, responsible, certified bidder in each applicable MEP division
23 of work. These successful MEP bids must be included in all general prime contractor bids received. No later than five (5)
24 days after the Owner identifies the successful MEP bids, the Owner will publicly open general prime contractor bids.
25 **General prime contractor bids that do not include the successful MEP bids will be rejected.** The owner will enter
26 into a single contract with the lowest, qualified, responsible, certified general prime contractor and this general prime
27 contractor shall enter into subcontracts with the successful MEP bidders.

28
29 **The University of Wisconsin System Administration (UWSA) will ONLY be accepting construction bidding**
30 **documents as follows:**

- 31
32
- 33 • **PDF scanned file of all required bid documents, including bid and bid bond forms with an either original**
34 **wet signatures or digital electronic signatures emailed to UWSA Bid Submissions at**
35 uwsabids submissions@wisconsin.edu. **If submitting** documents with electronic signatures, further
36 information and requirements are in the following bullets.
 - 37 • Include Project Name, Project Number, Project Location, Category of Work being bid on, Bid Date, and the
38 Name and Address of Bidder within email submission.
 - 39 • For documents that require a seal, please darken these scans for better visibility.
 - 40 • For bids including a cashier's/certified check, please scan front and back of check and include with submission.
 - 41 • Bidders may submit PDFs of bonds and powers of attorney containing e-signatures, e-corporate seals, and e-
42 notaries affixed to each document in accordance with the Surety's obligations. **Telephone numbers are**
43 **required for all electronic signatories** for oral verification as needed. Wisconsin law permits the use of
44 remote online notarization if it is performed **using technology providers that have been approved by the**
45 **Department of Financial Institutions (DFI)**. If a remote online notarization is used, it is the responsibility of
46 the contractor and its Surety to ensure that the technology provider has been approved by DFI.
 - 47 • Bidders may submit bid forms containing electronic signatures, but those signatures must be obtained using
48 approved software in order to be accepted. **DocuSign software and Adobe Digital Signature software are**
49 **approved for e-signatures** for submission of bids. Use of any other e-signature software will require additional
50 verification and the bidder must obtain approval at least three (3) business days prior to submission of bids.
51 Please contact Lindsay.woznick@wisconsin.edu first regarding any proposed electronic signature software.

52 **UWSA will NO LONGER accept bids via third party delivery (UPS, FEDEX, or DHL) or bids being dropped off in**
53 **person at 780 Regent Street.**

- 54
55
- 56 • Bids must be submitted to the email address listed above (uwsabids submissions@wisconsin.edu) by **1:30 p.m.**
CT on the day that the bid submission is due. Email PDF submissions will receive a confirmation reply from

1 UWSA. If for any reason a reply is not received after a PDF bid is emailed, please contact Lindsay Woznick at
2 (608) 262-6462.

- 3 • **Bidders are responsible for their bid being delivered by the time specified and delivery is entirely at
4 the bidder's risk.**

5
6 **The bid opening will be conducted via teleconference with the information listed below. All bids will be opened
7 at 2:00 p.m. CT on the scheduled date. All lines will be muted upon entry of the teleconference. Upon dialing
8 into the teleconference line, you will hear silence until the bid starts.**

9
10 Join Zoom Meeting

11 • One Tap Mobile:

12 +13052241968,,96119421731#,,,,*820674# US

13 Dial-In

14 +1 312 626 6799 US (Chicago)

15 <https://wisconsin-edu.zoom.us/j/96119421731?pwd=eVF6VzM0Z2ZTalhqaCtpVGNLtnkzZz09&from=addon>

16 • Meeting ID: 961 1942 1731

17 • Passcode: 820674

18
19 In general, the work consists of the renovation of approximately 700 gross square feet on the 3rd floor level of Chamberlain
20 Hall for new conference and break room space and renovation of approximately 1,500 gross square feet on the 4th floor
21 level of Chamberlain Hall for new dry laboratory research space.

22
23 **CLASS 1 NOTICE:**

24 **Notice is hereby given in accordance with Section 16.855(10), Wisconsin Statutes, that the Division believes it
25 is in the best interests of the State to contract the following work from only one source, without the usual
26 statutory procedures:**

- 27
28 • **Section 23 09 14 Pneumatic and Electric Instrumentation and Control Devices for HVAC: Oxygen
29 Monitors (life safety device).**
- 30 • **Section 28 31 00 Fire Detection and Alarm: (Fire alarm devices).**

31
32 Bidding documents (drawings, specifications, and addenda) may be obtained only as electronic files (in PDF format): as
33 a downloadable file from the University of Wisconsin System Administration's Design and Construction Opportunities
34 website (see website address below). Bidding documents may also be seen at various Builders' Exchanges that have
35 downloaded the documents. Additional project bidding information, including plan holders lists are available on the
36 University of Wisconsin System public website: <https://www.wisconsin.edu/procurement/construction/>. After opening the
37 web page, select the CHAMBERLIN L&S SONG PHYSICS LAB RENOVATION project.

38
39 **Base Bid will be received as a single lump sum bid for: 2) Fire Protection (Fire Suppression); 3) Plumbing; 4)
40 Mechanical (Heating, Ventilating, Air Conditioning); and 5) Electrical.**

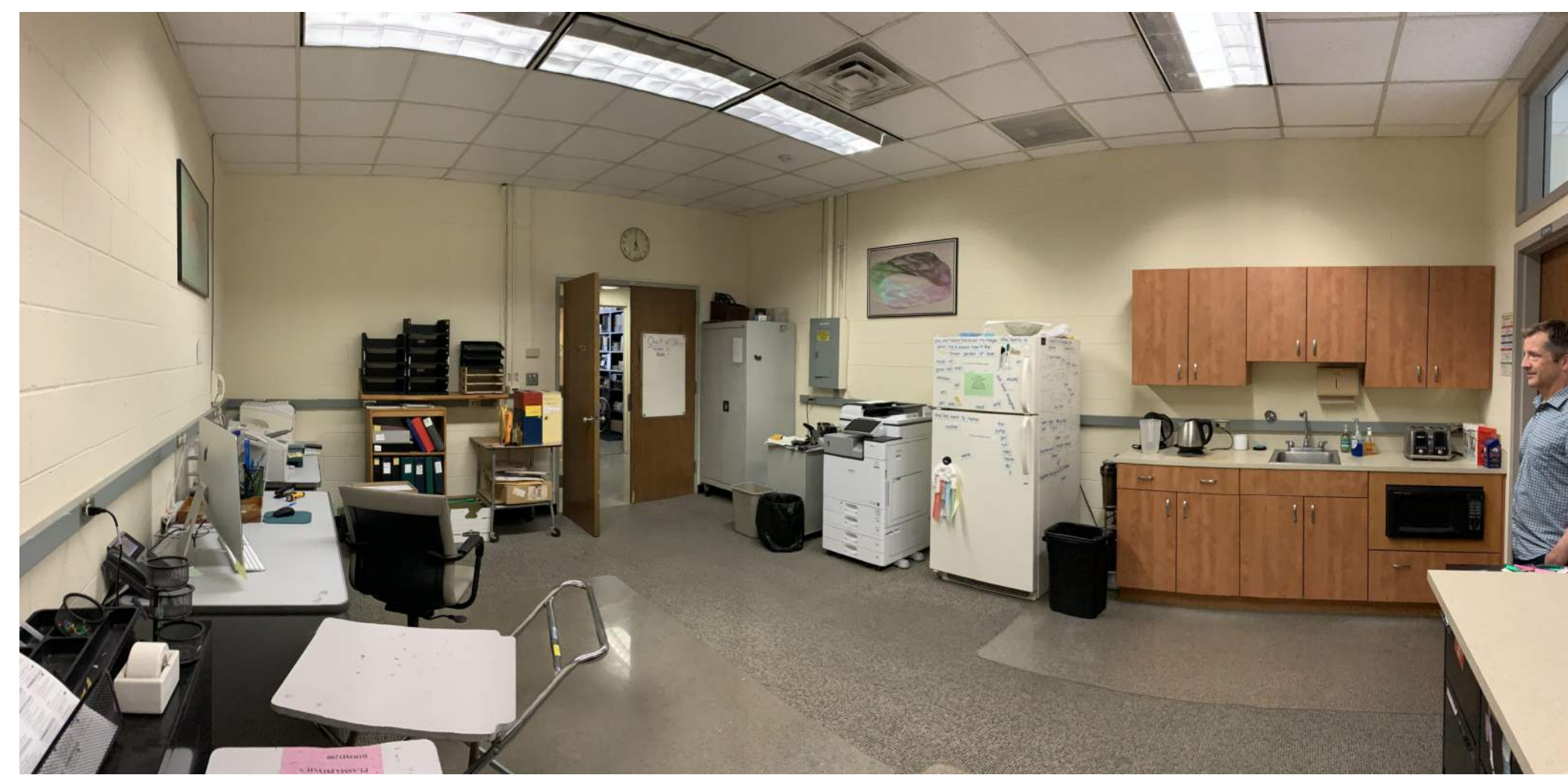
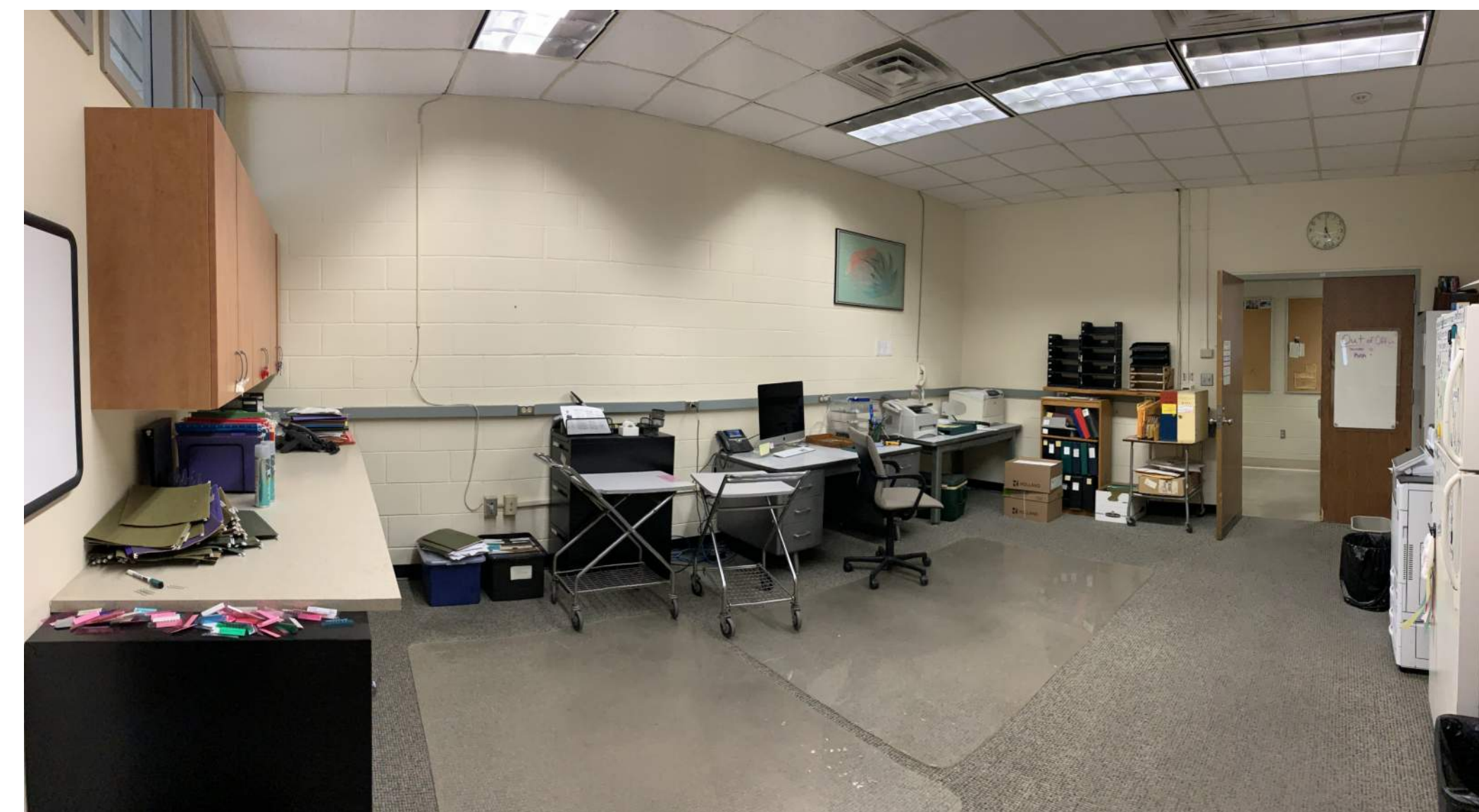
41
42 Bid Guarantee in the amount of 10% of the Bid must accompany each bid submitted. Contractor MUST submit hard
43 copies of bid to UWSA within 10 working days of being notified of award.

44
45 **A pre-bid tour will be conducted at the site August 27, 2024 beginning at 9:00AM. Participants should meet in
46 in the entry lobby at the south entry doors to Chamberlin Hall, 1150 University Ave, Madison WI 53706. All
47 bidders are highly encouraged to attend this Pre-bid Conference / Building Tour and no separate tours will be
48 conducted. The contact person is Continuum Architects + Planners, S.C., Coltyn Sprinkman, 751 N. Jefferson
49 St., Suite 200, Milwaukee, WI 53092, 414-22-9640.**

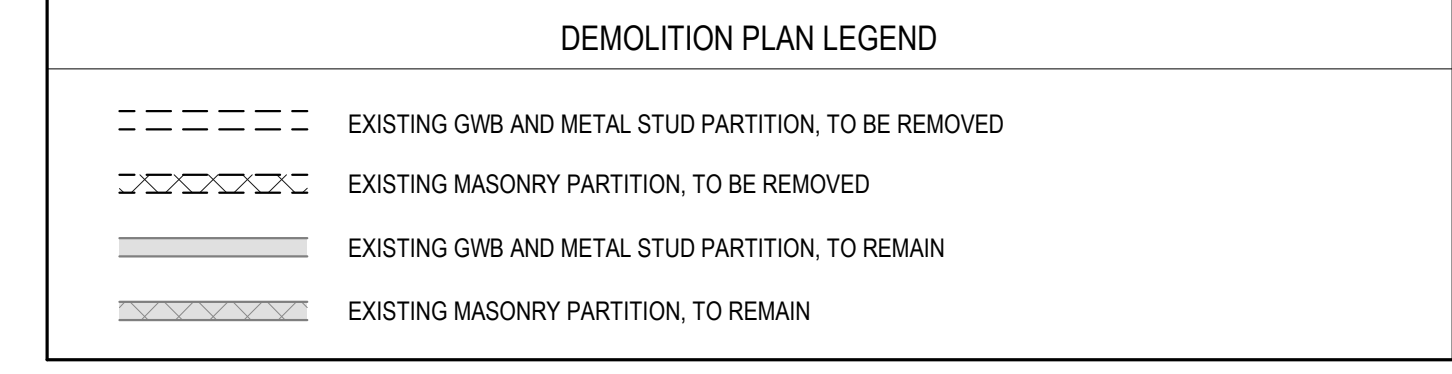
50
51 Any other questions related to this project can be sent via email to the Procurement contact Lindsay Woznick at
52 lwoznick@wisconsin.edu.

53 ***

NOTE: IMAGES ARE FOR REFERENCE ONLY

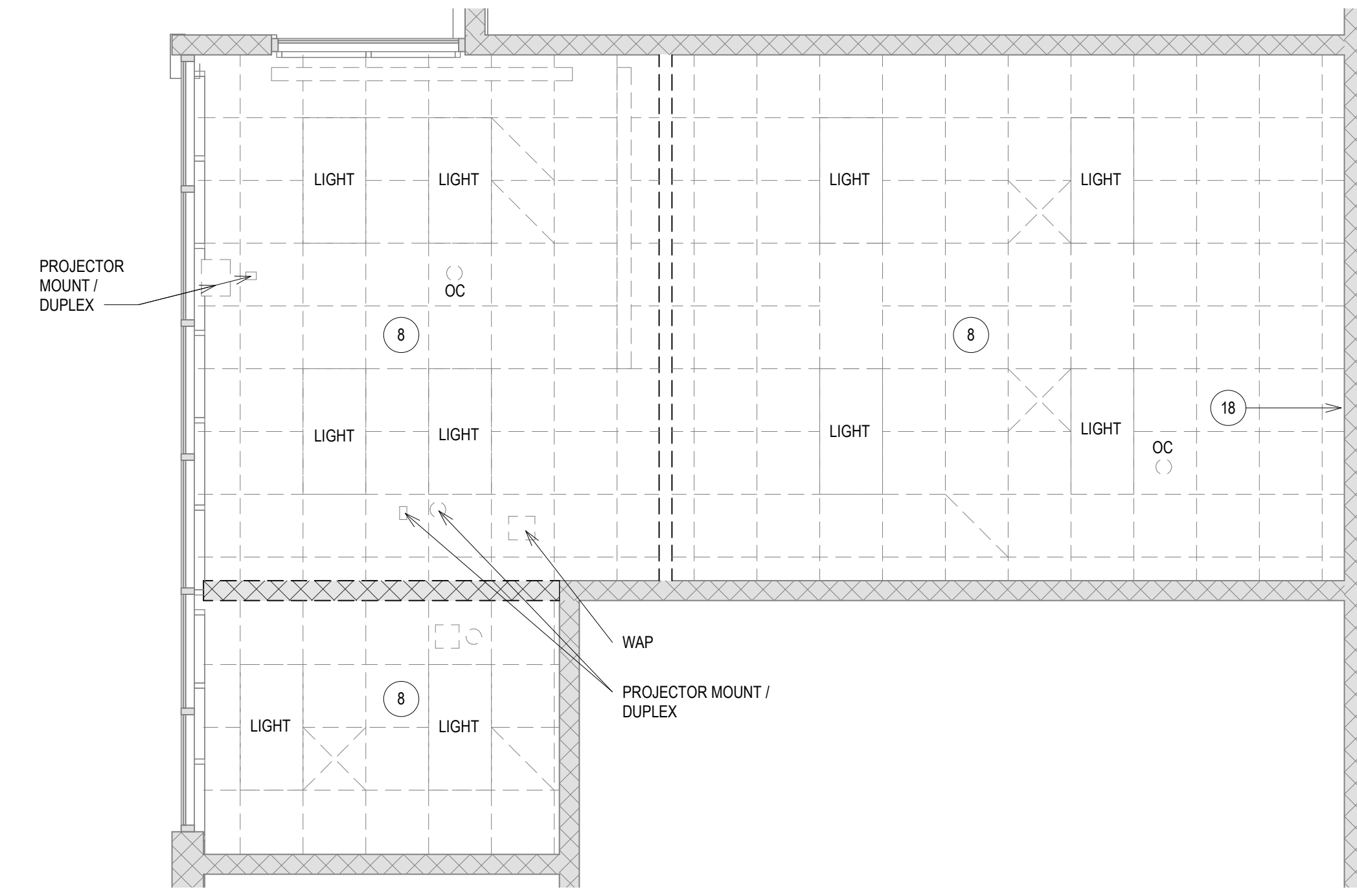


- GENERAL DEMOLITION NOTES TO CONTRACTOR**
- DRAWINGS WERE PREPARED BASED ON AVAILABLE EXISTING BUILDING DOCUMENTATION. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, AND DIMENSIONS TO SATISFY EXECUTION OF WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.
 - EXISTING WALLS, DOORS, FRAMES, ETC. THAT ARE SCHEDULED TO BE REMOVED ARE SHOWN BY HEAVY DASHED LINE TYPES. SEE DEMOLITION KEY NOTES FOR SPECIFIC INSTRUCTIONS.
 - EXISTING WALLS, DOORS, FRAMES, ETC. THAT ARE SCHEDULED TO REMAIN ARE SHOWN HALF-TONE AND ARE TO BE PROTECTED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. ANY SUCH EXISTING CONDITIONS WHICH ARE DAMAGED OR BECOME UNSTABLE DUE TO OTHER DEMOLITION SHALL BE REPLACED AT NO COST TO THE OWNER, WITH NEW CONSTRUCTION TO MATCH.
 - SEE MEPPF DRAWINGS AND SPECIFICATIONS FOR ELECTRICAL, PLUMBING, FIRE PROTECTION AND HVAC REMOVAL. THESE SYSTEMS ARE SHOWN FOR COORDINATION PURPOSES ONLY.
 - COORDINATE ALL ITEMS TO BE SALVAGED AND TURN OVER TO OWNER.
 - PROVIDE CONSTRUCTION BARRIERS AND DUST CONTROL PROVISIONS IN CORRIDORS AS REQUIRED FOR AREAS TO REMAIN IN OPERATION DURING DEMOLITION AND NEW CONSTRUCTION PER UW STANDARDS.
 - G.P.C. WILL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SHORING / BRACING FOR SELECTIVE DEMOLITION.
 - ASBESTOS ABATEMENT: SEE GENERAL REQUIREMENTS, HAZARDOUS SUBSTANCES FOR REGULATORY REQUIREMENTS, MATERIALS TESTING RESULTS, AND GENERAL PRIME CONTRACTOR'S RESPONSIBILITY REGARDING ACM. ASBESTOS ABATEMENT WORK WILL BE CONTRACTED BY OWNER. GPC SHALL COORDINATE THE WORK OF THE ASBESTOS ABATEMENT CONTRACTOR (AAC) TO ENSURE CONSTRUCTION PROCEEDS EFFICIENTLY. GPC SHALL PERFORM INITIAL SELECTIVE DEMOLITION IN THE AREA AS REQUIRED TO READY THE AREA FOR ASBESTOS ABATEMENT WORK BY THE OWNER TO PROCEED. GPC SHALL VACATE THE WORK AREA FOR 1 WEEK TO ALLOW SOLE AND UNINTERRUPTED ACCESS FOR THE ASBESTOS ABATEMENT WORK BY THE OWNER TO BE COMPLETED.
 - AFTER REMOVAL OF EXISTING CEILING IN WORK AREA, AND BEFORE DEMOLITION OF MECHANICAL SYSTEMS, GC IS TO INSPECT PERIMETER WALLS FOR EXISTING OPEN PENETRATIONS AND NOTIFY ARCHITECT. GC TO INCLUDE THE FIRESTOPPING OF UP TO (12) 3" DIAMETER EXISTING PENETRATIONS IN THE PROJECT BID.
 - G.P.C. SHALL REFER TO SPECIFICATION SECTION 02 41 19 SELECTIVE DEMOLITION FOR ADDITIONAL REQUIREMENTS. PARTICULAR ATTENTION SHALL BE PAID TO SECTION 3.4 AND 3.5 RELATED TO MAINTAINING A CLEAN JOB SITE DURING DEMOLITION ACTIVITIES.
 - G.P.C. SHALL REFER TO SPECIFICATION SECTION 02 41 41, PARTICULARLY SECTION 3.5 RELATED TO STAGING AREA AND THE REQUIREMENTS FOR KEEPING A CLEAN JOB SITE.

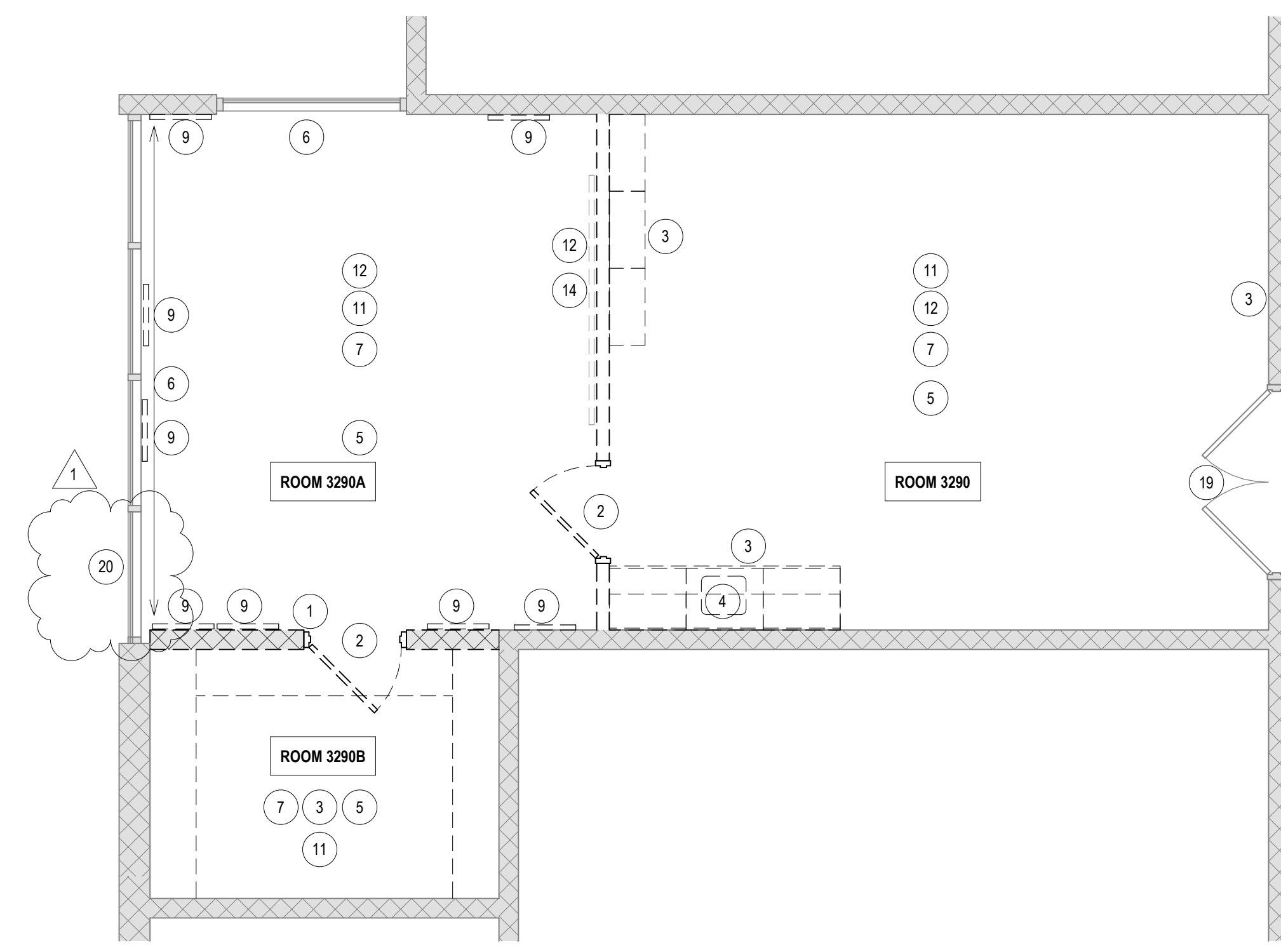


DEMOLITION PLAN KEY NOTES

- SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001 AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.
- DEMOLITION PLAN KEY NOTES APPLY TO ALL NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.
- REMOVE EXISTING PARTITION WALL AND ALL SUPPORTS. PATCH INTERSECTIONS AT FLOORS, WALLS, AND STRUCTURE ABOVE TO MATCH EXISTING AT INTERSECTIONS OF CMU PARTITIONS. PATCH REMAINING CMU WITH FULL SIZE BLOCKS TO MATCH EXISTING PATTERN.
 - REMOVE DOOR, FRAME, AND ALL HARDWARE. COMPLETE THE REMOVAL OF THIS DOOR AND FRAME PRIOR TO ASBESTOS ABATEMENT WORK BY OWNER.
 - REMOVE ALL EXISTING CASEWORK (UPPER AND LOWER), COUNTER, SHELVING, ACCESSORIES, AND ALL RELATED SUPPORTS AND ANCHORS. COMPLETE THE REMOVAL OF ALL CASEWORK DEMOLITION PRIOR TO ASBESTOS ABATEMENT WORK BY OWNER. PATCH ADJACENT REMAINING CONSTRUCTION TO MATCH EXISTING.
 - REMOVE EXISTING SINK. COMPLETE THE REMOVAL OF THE SINK PRIOR TO ASBESTOS ABATEMENT WORK BY OWNER.
 - SALVAGE AND RETURN TO OWNER ALL EXISTING WALL ITEMS INCLUDING BUT NOT LIMITED TO CLOCK, PHONE, SPEAKERS, TV MOUNT, PROJECTOR MOUNT, WAP, LIGHTING, ETC. ALL WIRING TO BE REMOVED BACK TO SOURCE. ENTIRE ROOM TO HAVE NOTHING LEFT ON EXISTING WALLS. PREP WALLS TO RECEIVE NEW WORK FINISH.
 - REMOVE EXISTING WINDOW BLINDS AND ALL SUPPORTS. PATCH AT EXISTING TO REMAIN WALLS AND STOREFRONT MILLIONS.
 - REMOVAL OF EXISTING FLOOR FINISHES, INCLUDING CARPET, VCT BELOW CARPET, AND ALL ADHESIVES IS TO BE COMPLETED BY THE OWNERS ASBESTOS ABATEMENT CONTRACTOR.
 - REMOVE EXISTING CEILING TILE, GRID SYSTEM, ANCHORS AND SUPPORTS. COMPLETE THE REMOVAL OF ALL CEILING DEMOLITION PRIOR TO ASBESTOS ABATEMENT WORK BY OWNER. PATCH INTERSECTIONS AT WALLS AND STRUCTURE ABOVE TO MATCH EXISTING.
 - REMOVAL OF ALL ACOUSTIC WALL PANELS AND ADHESIVES TO BE COMPLETED BY THE OWNERS ASBESTOS ABATEMENT CONTRACTOR.
 - REMOVAL OF ALL WOOD PANELING TO BE COMPLETED BY THE OWNERS ASBESTOS ABATEMENT CONTRACTOR. G.P.C. IS TO CLEAN EXISTING TO REMAIN CMU WALLS AND PREP FOR NEW WORK FINISH.
 - REMOVAL OF ALL VINYL BASE AND ADHESIVE ON WALLS TO BE COMPLETED BY THE OWNERS ASBESTOS ABATEMENT CONTRACTOR AS PART OF THEIR FLOOR REMOVAL WORK UNLESS SPECIFICALLY NOTED ON PLANS WHERE CC IS TO REMOVE WALL BASE AS PART OF WALL DEMOLITION THAT IS TO BE COMPLETED PRIOR TO THE OWNERS ASBESTOS ABATEMENT WORK. VINYL BASE IS NON-ACC. WALL DEMOLITION PRIOR TO THE WORK OF THE OWNERS ASBESTOS ABATEMENT CONTRACTOR IS BEING DONE TO ALLOW FOR REMOVAL OF ACC FLOORING EXPECTED TO EXISTING BELOW WALL.
 - REMOVAL OF ALL WHITEBOARDS, TACKBOARDS AND ADHESIVES TO BE COMPLETED BY THE OWNERS ASBESTOS ABATEMENT CONTRACTOR. G.P.C. TO COORDINATE WITH ACC TO REMOVE WHITEBOARD BEFORE DEMOLITION OF THE WALL.
 - SALVAGE EXISTING CLOCK, REINSTALL IN EXACT LOCATION DURING NEW WORK PHASE. CLOCK IS CONNECT TO CAMPUS CENTRAL TIME AND REQUIRES TO BE REWIRED TO THE SYSTEM.
 - REMOVE EXISTING PARTITION WALL AND ALL SUPPORTS. COMPLETE THE REMOVAL OF THIS WALL AND WALL BASE ATTACHED TO IT PRIOR TO ASBESTOS ABATEMENT WORK BY OWNER. WALL BASE IS NON-ACC. PATCH INTERSECTIONS AT FLOORS, WALLS, AND STRUCTURE ABOVE TO MATCH EXISTING AT INTERSECTIONS OF CMU PARTITIONS. PATCH REMAINING CMU WITH FULL SIZE BLOCKS TO MATCH EXISTING PATTERN.
 - REMOVE EXISTING VINYL WALL BASE AND ADHESIVE ON WALLS. SALVAGE AS REQUIRED FOR NEW WORK PATCH LOCATIONS.
 - SELECTIVELY REMOVE CMU WALL AS NEEDED TO PERFORM PLUMBING CONNECTIONS. COORDINATE WITH PLUMBING DRAWINGS FOR EXACT LOCATION. CUT PATCH AND RETURN TO MATCH EXISTING SIZE AND PATTERN CLOSE WALL OFF.
 - G.P.C. TO COMPLETELY REMOVE EXPOSED CEILING OF ALL ABANDONED MEP ITEMS, AS WELL AS REMOVE ALL DUST, DIRT AND DEBRIS FROM EXPOSED DECK, STRUCTURE AND EXISTING TO REMAIN MEP.
 - REMOVE EXISTING CLOCK, REINSTALL NEW CLOCK IN EXACT LOCATION DURING NEW WORK PHASE. EXTEND EXISTING WIRING AS NEEDED FOR NEW FURRING WALL.
 - REMOVE EXISTING DOORS FROM FRAME. REMOVE AND SALVAGE ALL DOOR HARDWARE FROM DOORS AND FRAMES. REMOVE ALL ITEMS ATTACHED TO DOORS AND FRAMES AND TURN OVER TO OWNER. PREP DOORS AND FRAMES FOR REFINISHING PER DOOR SCHEDULE.
 - PRIOR TO START OF ABATEMENT, GPC TO REMOVE SINGLE WINDOW PANE IN EXISTING CURTAIN WALL AND INSTALL AND SEAL A TEMPORARY WOOD ENCLOSURE FOR ABATEMENT USE. ABATEMENT CONTRACTOR TO CUT HOLE IN PLYWOOD AND SEAL AS NECESSARY TO INSTALL ALL REQUIRED VENTING. ONCE ABATEMENT WORK IS COMPLETE, GPC TO REMOVE TEMPORARY PLYWOOD ENCLOSURE AND REINSTALL WINDOW PANE AND RESEAL.



2 DEMOLITION RCP - LEVEL 03
Scale: 1/4" = 1'-0"



1 DEMOLITION PLAN - LEVEL 03
Scale: 1/4" = 1'-0"



LEVEL 03 LOCATOR MAP - DEMO
SCALE: 1" = 40'-0"

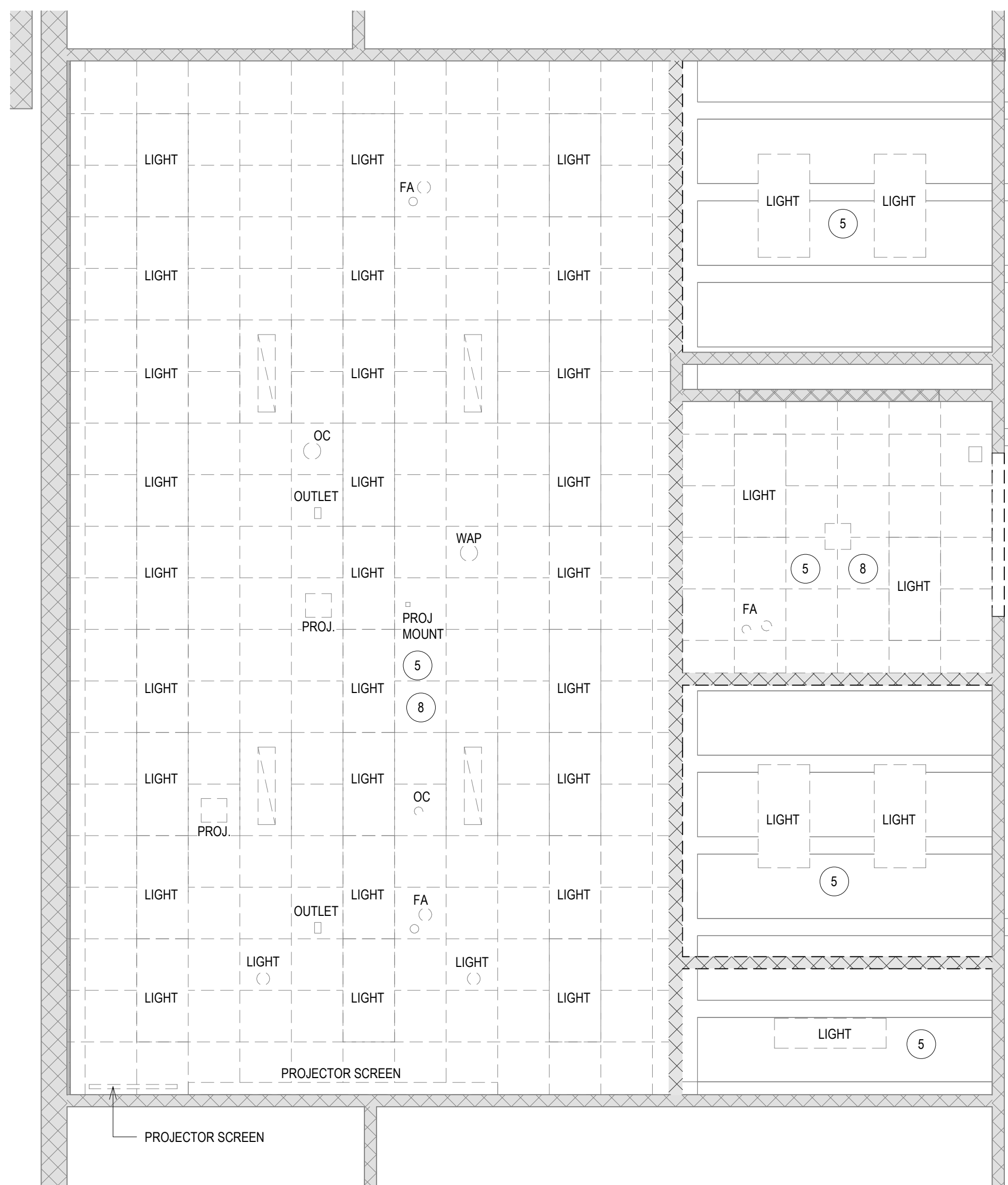
CONSULTANTS:

REVISIONS:

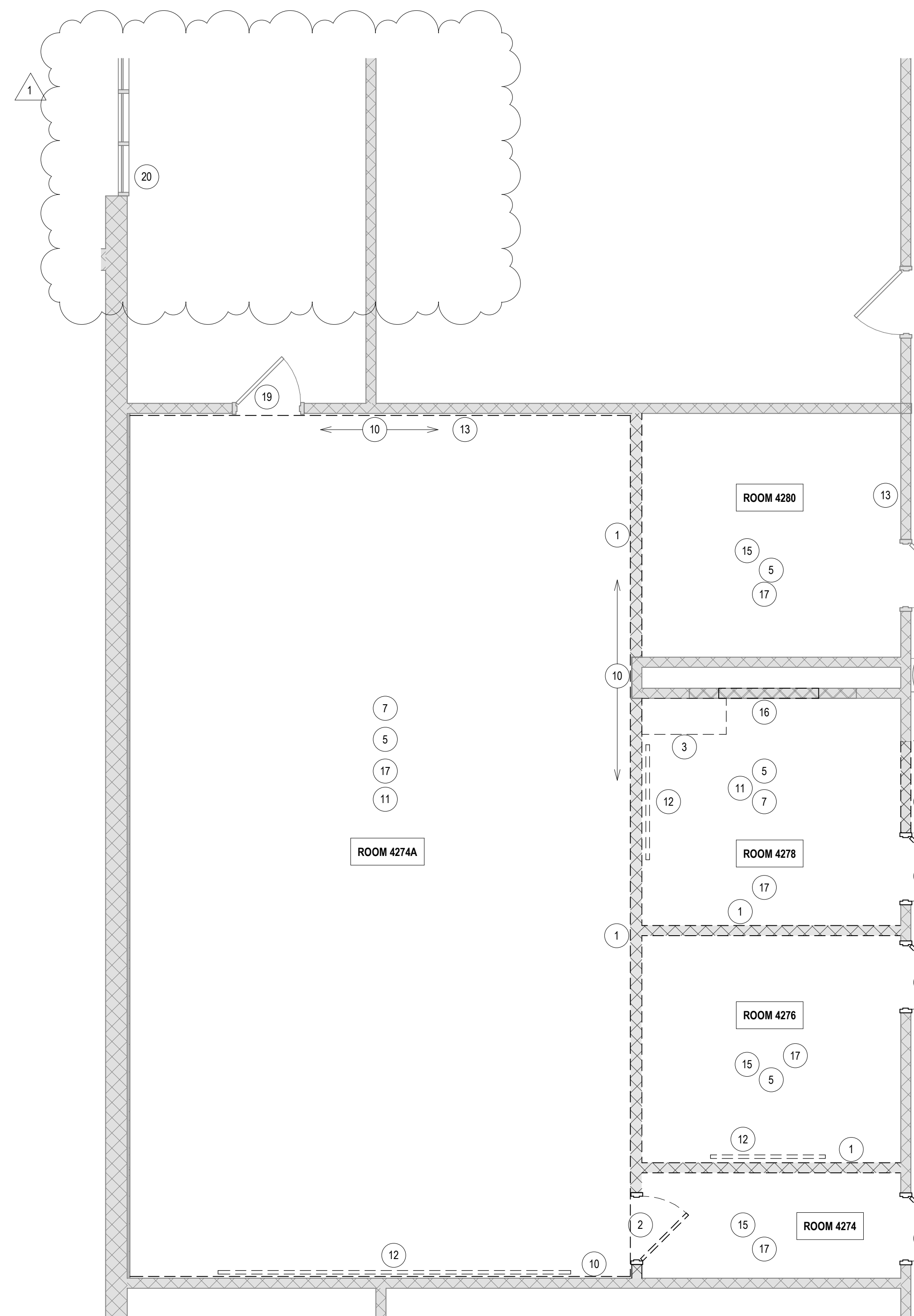
1	9/5/24	Addendum 1
---	--------	------------



NOTE: IMAGES ARE FOR REFERENCE ONLY



2 DEMOLITION RCP - LEVEL 04
Scale: 1/4" = 1'-0"



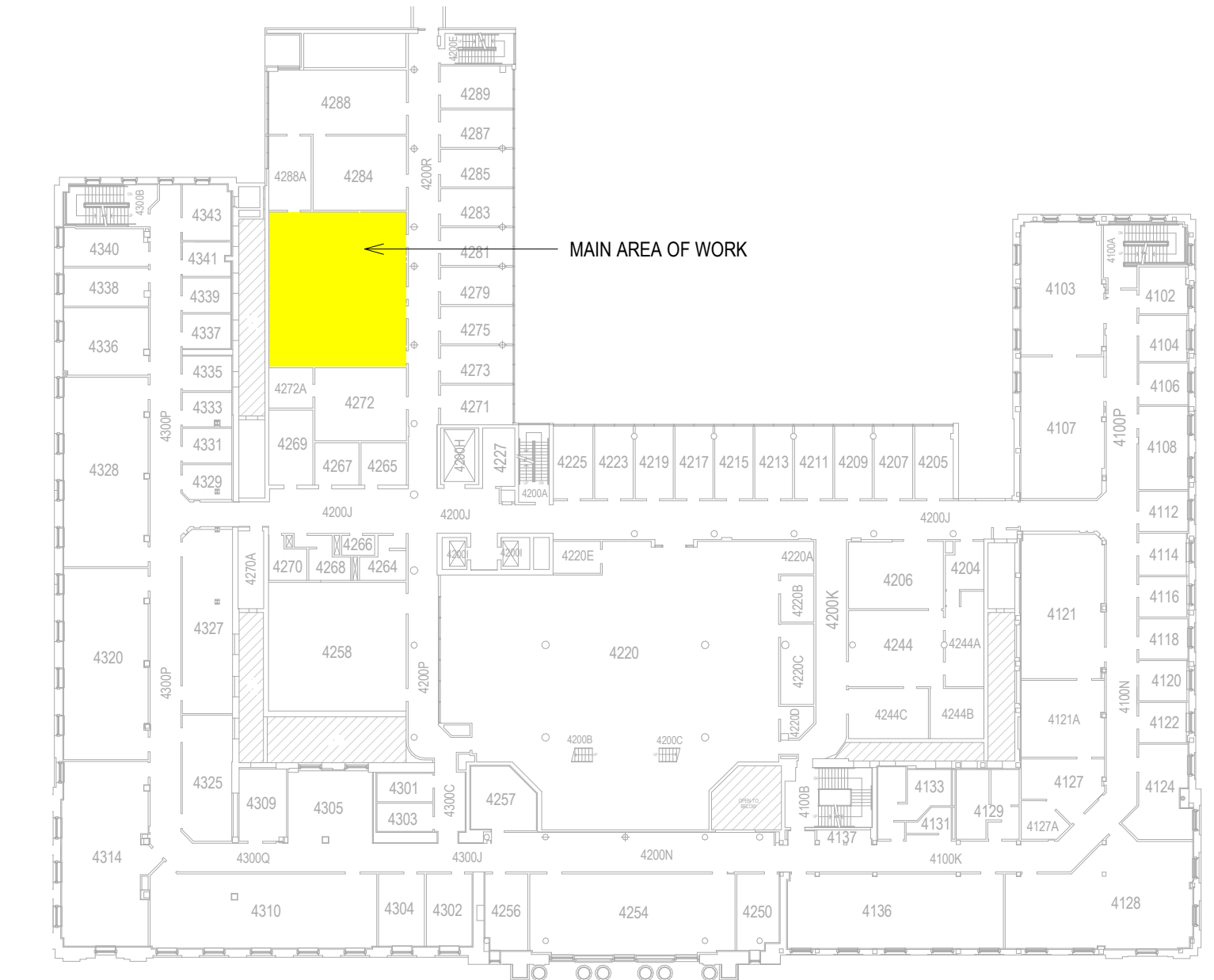
1 DEMOLITION PLAN - LEVEL 04
Scale: 1/4" = 1'-0"

- GENERAL DEMOLITION NOTES TO CONTRACTOR**
- DRAWINGS WERE PREPARED BASED ON AVAILABLE EXISTING BUILDING DOCUMENTATION. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, AND DIMENSIONS TO SATISFY EXECUTION OF WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.
 - EXISTING WALLS, DOORS, FRAMES, ETC. THAT ARE SCHEDULED TO BE REMOVED ARE SHOWN BY HEAVY DASHED LINE TYPES. SEE DEMOLITION KEY NOTES FOR SPECIFIC INSTRUCTIONS.
 - EXISTING WALLS, DOORS, FRAMES, ETC. THAT ARE SCHEDULED TO REMAIN ARE SHOWN HALF-TONE AND ARE TO BE PROTECTED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. ANY SUCH EXISTING CONDITIONS WHICH ARE DAMAGED OR BECOME UNSTABLE DUE TO OTHER DEMOLITION SHALL BE REPLACED AT NO COST TO THE OWNER, WITH NEW CONSTRUCTION TO MATCH.
 - SEE MEPPF DRAWINGS AND SPECIFICATIONS FOR ELECTRICAL, PLUMBING, FIRE PROTECTION AND HVAC REMOVAL. THESE SYSTEMS ARE SHOWN FOR COORDINATION PURPOSES ONLY.
 - COORDINATE ALL ITEMS TO BE SALVAGED AND TURN OVER TO OWNER.
 - PROVIDE CONSTRUCTION BARRIERS AND DUST CONTROL PROVISIONS IN CORRIDORS AS REQUIRED FOR AREAS TO REMAIN IN OPERATION DURING DEMOLITION AND NEW CONSTRUCTION PER UW STANDARDS.
 - G.P.C. WILL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SHORING / BRACING FOR SELECTIVE DEMOLITION.
 - ASBESTOS ABATEMENT: SEE GENERAL REQUIREMENTS, HAZARDOUS SUBSTANCES FOR REGULATORY REQUIREMENTS, MATERIALS TESTING RESULTS, AND GENERAL PRIME CONTRACTOR'S RESPONSIBILITY REGARDING ACM. ASBESTOS ABATEMENT WORK WILL BE CONTRACTED BY OWNER. GPC SHALL COORDINATE THE WORK OF THE ASBESTOS ABATEMENT CONTRACTOR (A/C) TO ENSURE CONSTRUCTION PROCEEDS EFFICIENTLY. GPC SHALL PERFORM INITIAL SELECTIVE DEMOLITION IN THE WORK AREA AS REQUIRED TO READY THE AREA FOR ASBESTOS ABATEMENT WORK BY THE OWNER TO PROCEED. GPC SHALL VACATE THE WORK AREA FOR 1 WEEK TO ALLOW SOLE AND UNINTERRUPTED ACCESS FOR THE ASBESTOS ABATEMENT WORK BY THE OWNER TO BE COMPLETED.
 - AFTER REMOVAL OF EXISTING CEILING IN WORK AREA, AND BEFORE DEMOLITION OF MECHANICAL SYSTEMS, GC IS TO INSPECT PERIMETER WALLS FOR EXISTING OPEN PENETRATIONS AND NOTIFY ARCHITECT. GC TO INCLUDE THE FIRESTOPPING OF UP TO (12) 3" DIAMETER EXISTING PENETRATIONS IN THE PROJECT BID.
 - G.P.C. SHALL REFER TO SPECIFICATION SECTION 02 41 19 SELECTIVE DEMOLITION FOR ADDITIONAL REQUIREMENTS. PARTICULAR ATTENTION SHALL BE PAID TO SECTION 3.4 AND 3.5 RELATED TO MAINTAINING A CLEAN JOB SITE DURING DEMOLITION ACTIVITIES.
 - G.P.C. SHALL REFER TO SPECIFICATION SECTION 02 41 41, PARTICULARLY SECTION 3.5 RELATED TO STAGING AREA AND THE REQUIREMENTS FOR KEEPING A CLEAN JOB SITE.

DEMOLITION PLAN LEGEND

	EXISTING GWS AND METAL STUD PARTITION, TO BE REMOVED
	EXISTING MASONRY PARTITION, TO BE REMOVED
	EXISTING GWS AND METAL STUD PARTITION, TO REMAIN
	EXISTING MASONRY PARTITION, TO REMAIN

- DEMOLITION PLAN KEY NOTES**
- SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001 AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.
- DEMOLITION PLAN KEY NOTES APPLY TO ALL NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.
- REMOVE EXISTING PARTITION WALL AND ALL SUPPORTS. PATCH INTERSECTIONS AT FLOORS, WALLS, AND STRUCTURE ABOVE TO MATCH EXISTING. AT INTERSECTIONS OF CMU PARTITIONS, PATCH REMAINING CMU WITH FULL SIZE BLOCKS TO MATCH EXISTING PATTERN.
 - REMOVE DOOR, FRAME, AND ALL HARDWARE. COMPLETE THE REMOVAL OF THIS DOOR AND FRAME PRIOR TO ASBESTOS ABATEMENT WORK BY OWNER.
 - REMOVE ALL EXISTING CASEWORK (UPPER AND LOWER), COUNTER, SHELVING, ACCESSORIES, AND ALL RELATED SUPPORTS AND ANCHORS. COMPLETE THE REMOVAL OF ALL CASEWORK DEMOLITION PRIOR TO ASBESTOS ABATEMENT WORK BY OWNER. PATCH ADJACENT REMAINING CONSTRUCTION TO MATCH EXISTING.
 - REMOVE EXISTING SINK. COMPLETE THE REMOVAL OF THE SINK PRIOR TO ASBESTOS ABATEMENT WORK BY OWNER.
 - SALVAGE AND RETURN TO OWNER ALL EXISTING WALL AND CEILING MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO CLOCK, PHONE SPEAKERS, TV MOUNT, PROJECTOR MOUNT, WIRING, LIGHTING, ETC. ALL WIRING TO BE REMOVED BACK TO SQUARE. ENTIRE ROOM TO HAVE NOTHING LEFT ON EXISTING WALLS. PREP WALL TO RECEIVE NEW WORK FINISH.
 - REMOVE EXISTING WINDOW BLINDS AND ALL SUPPORTS. PATCH AT EXISTING TO REMAIN WALLS AND STOREFRONT MULLIONS.
 - REMOVAL OF EXISTING FLOOR FINISHES, INCLUDING CARPET, NOT BELOW CARPET, AND ALL ADHESIVES IS TO BE COMPLETED BY THE OWNERS ASBESTOS ABATEMENT CONTRACTOR.
 - REMOVE EXISTING CEILING TILE, GRID SYSTEM, ANCHORS AND SUPPORTS. COMPLETE THE REMOVAL OF ALL CEILING DEMOLITION PRIOR TO ASBESTOS ABATEMENT WORK BY OWNER. PATCH INTERSECTIONS AT WALLS AND STRUCTURE ABOVE TO MATCH EXISTING.
 - REMOVAL OF ALL ACOUSTIC WALL PANELS AND ADHESIVES TO BE COMPLETED BY THE OWNERS ASBESTOS ABATEMENT CONTRACTOR.
 - REMOVAL OF ALL WOOD PANELING TO BE COMPLETED BY THE OWNERS ASBESTOS ABATEMENT CONTRACTOR. G.P.C. IS TO CLEAN EXISTING TO REMAIN CMU WALLS AND PREP FOR NEW WORK FINISH.
 - REMOVAL OF ALL VINYL BASE AND ADHESIVE ON WALLS TO BE COMPLETED BY THE OWNERS ASBESTOS ABATEMENT CONTRACTOR AS PART OF THEIR FLOOR REMOVAL WORK UNLESS SPECIFICALLY NOTED ON PLANS WHERE GC IS TO REMOVE WALL BASE AS PART OF WALL DEMOLITION THAT IS TO BE COMPLETED PRIOR TO THE OWNERS ASBESTOS ABATEMENT WORK. VINYL BASE IS NON-ACC. WALL DEMOLITION PRIOR TO THE WORK OF THE OWNERS ASBESTOS ABATEMENT CONTRACTOR IS BEING DONE TO ALLOW FOR REMOVAL OF ACC FLOORING EXPECTED TO EXISTING BELOW WALL.
 - REMOVAL OF ALL WHITEBOARDS, TACKBOARDS AND ADHESIVES TO BE COMPLETED BY THE OWNERS ASBESTOS ABATEMENT CONTRACTOR. G.P.C. TO COORDINATE WITH ACC TO REMOVE WHITEBOARD BEFORE DEMOLITION OF THE WALL.
 - SALVAGE EXISTING CLOCK. REINSTALL IN EXACT LOCATION DURING NEW WORK PHASE. CLOCK IS CONNECT TO CAMPUS CENTRAL TIME AND REQUIRES TO BE REWIRED TO THE SYSTEM.
 - REMOVE EXISTING PARTITION WALL AND ALL SUPPORTS. COMPLETE THE REMOVAL OF THIS WALL AND WALL BASE ATTACHED TO IT PRIOR TO ASBESTOS ABATEMENT WORK BY OWNER. WALL BASE IS NON-ACC. PATCH INTERSECTIONS AT FLOORS, WALLS AND STRUCTURE ABOVE TO MATCH EXISTING. AT INTERSECTIONS OF CMU PARTITIONS, PATCH REMAINING CMU WITH FULL SIZE BLOCKS TO MATCH EXISTING PATTERN.
 - REMOVE EXISTING VINYL WALL BASE AND ADHESIVE ON WALLS. SALVAGE AS REQUIRED FOR NEW WORK PATCH LOCATIONS.
 - SELECTIVELY REMOVE CMU WALL AS NEEDED TO PERFORM PLUMBING CONNECTIONS. COORDINATE WITH PLUMBING DRAWINGS FOR EXACT LOCATION. CUT PATCH AND RETURN TO MATCH EXISTING SIZE AND PATTERN CLOSE WALL OFF.
 - G.P.C. TO COMPLETELY REMOVE EXPOSED CEILING OF ALL ABANDONED MEP ITEMS, AS WELL AS REMOVE ALL DUST, DIRT AND DEBRIS FROM EXPOSED DECK, STRUCTURE AND EXISTINGS TO REMAIN MEP.
 - REMOVE EXISTING CLOCK. REINSTALL NEW CLOCK IN EXACT LOCATION DURING NEW WORK PHASE. EXTEND EXISTING WIRING AS NEEDED FOR NEW FURRING WALL.
 - REMOVE EXISTING DOOR(S) FROM FRAME. REMOVE AND SALVAGE ALL DOOR HARDWARE FROM DOORS AND FRAMES. REMOVE ALL ITEMS ATTACHED TO DOORS AND FRAMES AND TURN OVER TO OWNER. PREP DOORS AND FRAMES FOR REFINISHING PER SCHEDULE.
 - PRIOR TO START OF ABATEMENT, GPC TO REMOVE SINGLE WINDOW PANE IN EXISTING CURTAIN WALL AND INSTALL AND SEAL A TEMPORARY WOOD ENCLOSE FOR ABATEMENT USE. ABATEMENT CONTRACTOR TO CUT HOLE IN PLYWOOD AND SEAL AS NECESSARY TO INSTALL ALL REQUIRED VENTING. ONCE ABATEMENT WORK IS COMPLETE, GPC TO REMOVE TEMPORARY PLYWOOD ENCLOSURE AND REINSTALL WINDOW PANE AND RESEAL.

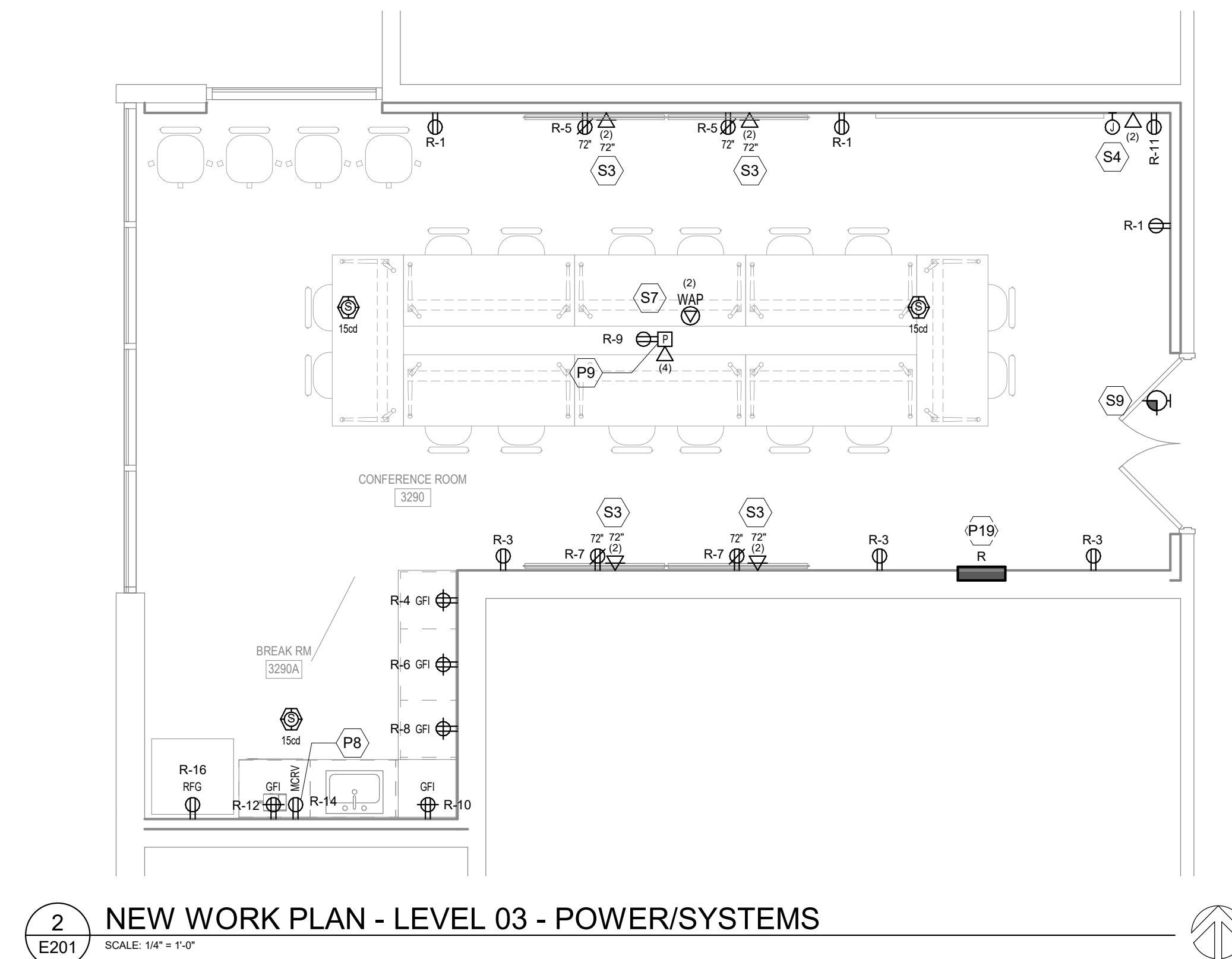
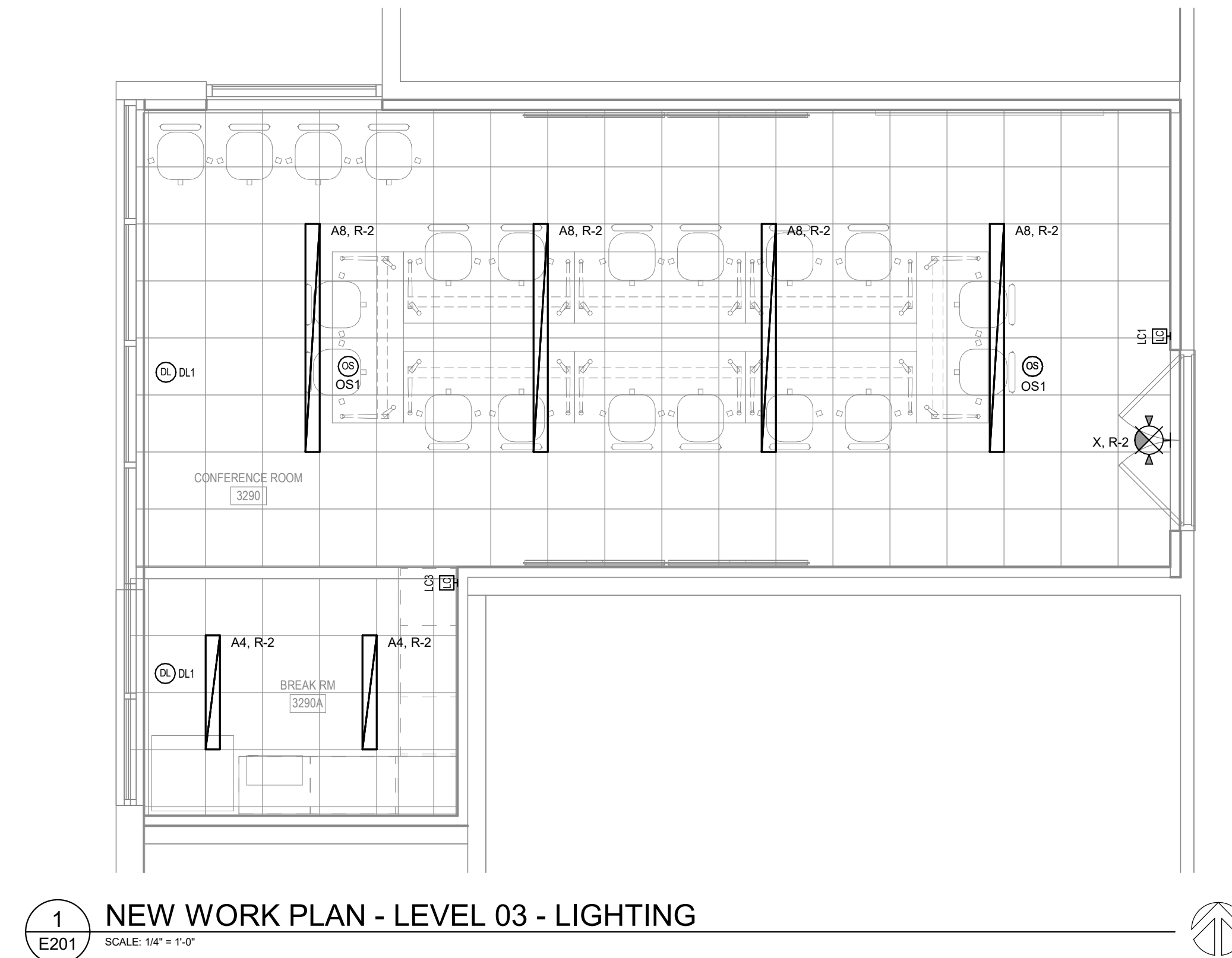
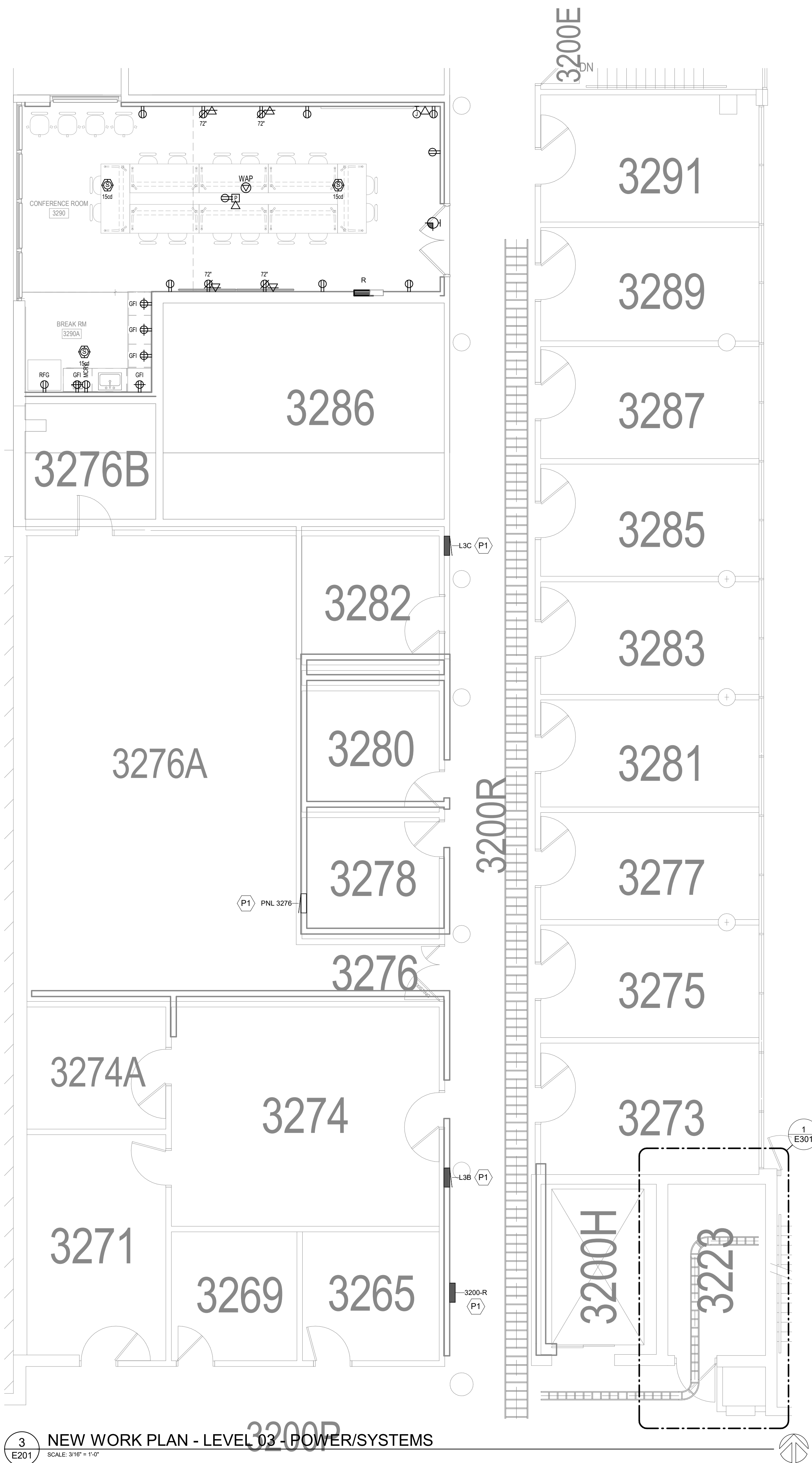


LEVEL 04 LOCATOR MAP - DEMO
SCALE: 1" = 40'-0"

CONSULTANTS:

REVISIONS:

1 9/5/24 Addendum 1

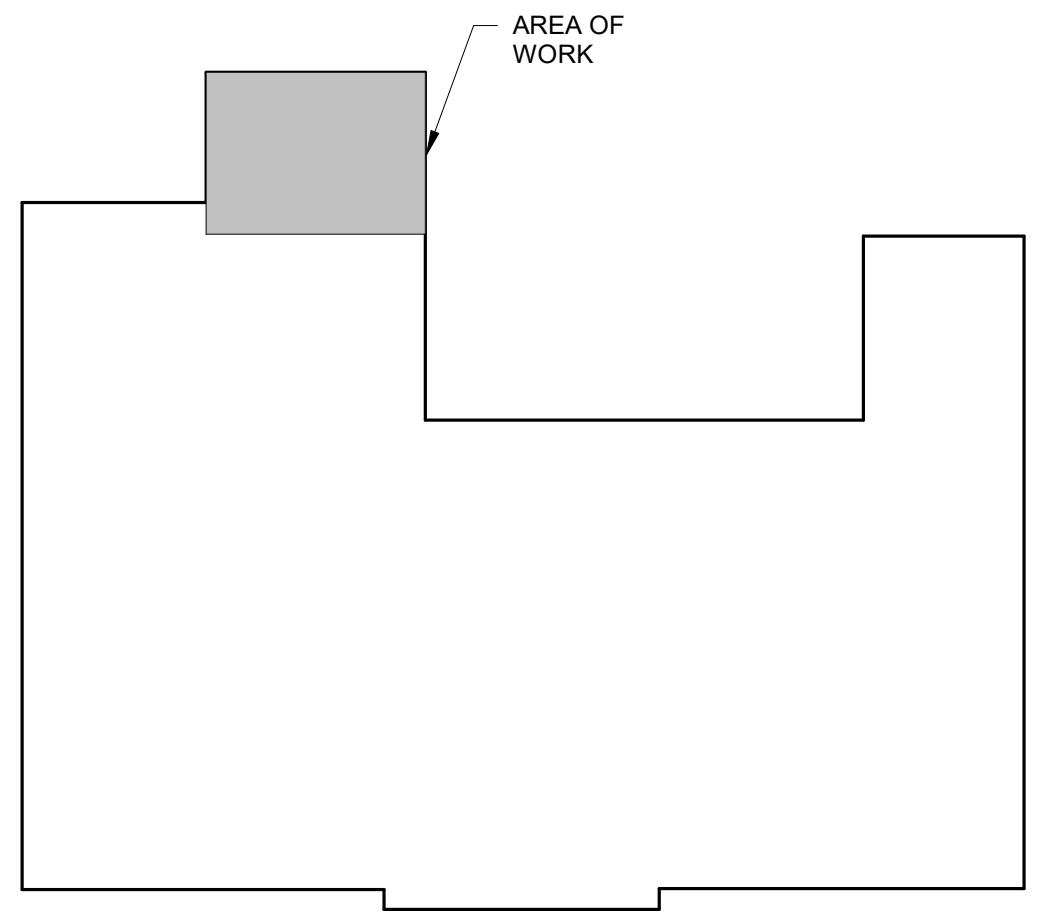


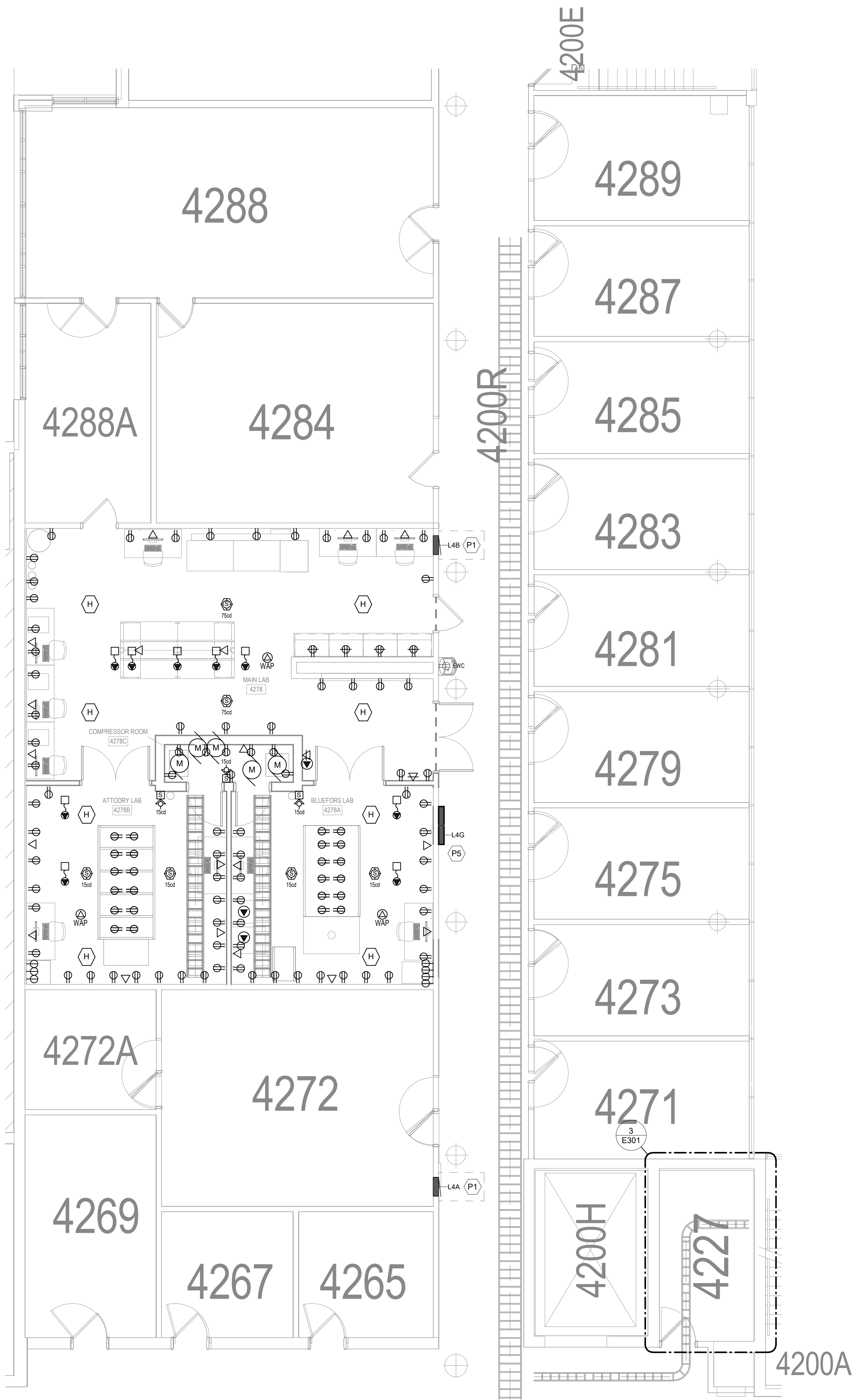
- LIGHTING GENERAL NOTES:**
- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS, AND DETAILS.
 - REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF ALL LIGHT FIXTURE AND CONTROLLER INSTALLATIONS.
 - VERIFY ALL MOUNTING HEIGHTS OF DEVICES ABOVE MILLWORK WITH ARCHITECTURAL PLANS.
 - WIRING SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (NEC) AND APPLICABLE LOCAL CODES, INCLUDING PROVISION OF EQUIPMENT GROUNDING AS REQUIRED BY THE NEC.
 - POWER CONDUCTORS SHALL BE SIZED PER THE NEC AMPACITY TABLES (ARTICLE 310), INCLUDING ADJUSTMENT FACTOR AND NEUTRAL CONDUCTOR REQUIREMENTS (FEED AND BRANCH NEUTRAL CONDUCTORS MUST BE COUNTED AS CURRENT CARRYING CONDUCTORS). RUN SEPARATE NEUTRAL CONDUCTORS FOR ALL LIGHTING CIRCUITS.
 - LIGHT FIXTURES THAT DO NOT INDICATE A PANEL AND CIRCUIT NUMBER ARE TO BE CONNECTED TO THE EXISTING CIRCUIT THAT FEEDS THE LIGHTING IN THAT SPACE.
 - LIGHT FIXTURES AND OTHER APPARATUS SUPPORTED BY THE ACOUSTICAL CEILING GRID MUST MEET THE REQUIREMENTS OF NEC SECTION 410.16, MEANS OF SUPPORT.

- POWER GENERAL NOTES:**
- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS, AND DETAILS.
 - THE CONTRACTOR MAY INSTALL UP TO THREE (3) CURRENT CARRYING CONDUCTORS IN A CONDUIT. WHEN UTILIZING ONLY #12 CONDUCTORS, THE CONTRACTOR MAY INSTALL UP TO SIX (6) CURRENT CARRYING CONDUCTORS IN A CONDUIT. LOADINGS ARE BASED ON THIN INSULATION, 40°C AMBIENT WITH DERATINGS FOR TEMPERATURE AND UP TO THREE (3) CONDUCTORS IN A CONDUIT. CONTACT THE ENGINEER FOR WIRING IN OTHER CONDITIONS TO ACCOUNT FOR CONDUIT DERATING. NEUTRAL CONDUCTOR SHALL BE CONSIDERED A CURRENT CARRYING CONDUCTOR IN UNBALANCED 3-PHASE APPLICATIONS.
 - VERIFY ALL MOUNTING HEIGHTS OF DEVICES ABOVE MILLWORK WITH ARCHITECTURAL PLANS.
 - ELECTRICAL CONTRACTOR TO PROVIDE NECESSARY CODE REQUIRED FIRE PROOFING FOR ALL PENETRATIONS INTO FIRE RATED WALLS/CEILING(S) WHERE ALL ASSEMBLIES ARE REQUIRED TO HAVE A 1 OR 2-HOUR RATED FIRE RESISTANCE RATING. RECESSED FIXTURES SHALL BE INSTALLED SUCH THAT THE REQUIRED FIRE RESISTANCE OF THE SURFACE WILL NOT BE REDUCED.
 - ELECTRICAL CONTRACTOR SHALL CONFIRM ALL ELECTRICAL EQUIPMENT REQUIREMENTS FOR OWNER PROVIDED EQUIPMENT PRIOR TO ORDERING/INSTALLING RECEPTACLES, PLUGS, DISCONNECTS, ETC.

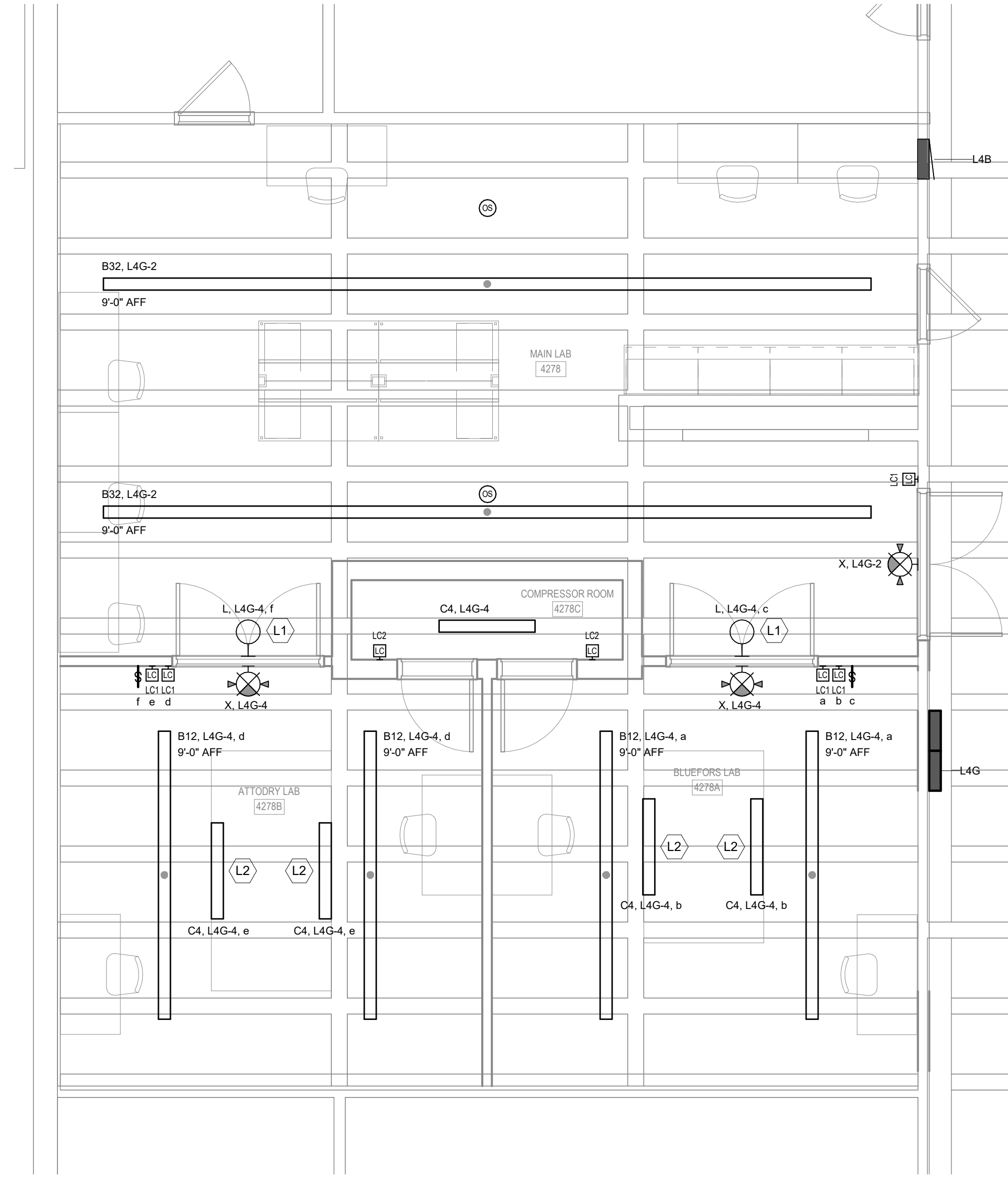
- SYSTEMS GENERAL NOTES:**
- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS, AND DETAILS.
 - ALL LOW VOLTAGE CABLES OR CONDUCTORS OPERATING AT LESS THAN 50 VOLTS SHALL BE IN ELECTRICAL METAL TUBING (EMT) WHERE INSTALLED WITHIN WALLS OR INACCESSIBLE SPACES.
 - LOW VOLTAGE CABLES SHALL BE RUN IN CABLE TRAY. HOOKS SHALL BE LIMITED TO SUPPORTING CABLES TO THE NEAREST CABLE TRAY.
 - TV OUTLETS, VOLUME CONTROLS, TELEPHONE OUTLETS, AND DATA OUTLETS SHALL CONSIST OF A BACK BOX WITH CONDUIT STUBBED ABOVE THE ACCESSIBLE CEILING. SEE ROUGH-IN DETAIL ON 2/E900. VERIFY SIZE OF BACK BOX REQUIRED WITH DEVICE TO BE INSTALLED. LOCATE BACK BOXES 6" FROM ADJACENT POWER RECEPTACLE INTENDED FOR COMPUTER USE.
 - ANY ALL LOW VOLTAGE SYSTEMS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: COMMUNICATIONS, PAGING, CLOCK SYSTEM, CLASS BELLS, ETC., SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. FIELD VERIFY ALL LOW VOLTAGE SYSTEM REQUIREMENTS AND EXTEND/MAINTAIN/REUSE AS REQUIRED. EXTEND ANY ALL NEW COMMUNICATIONS CABLE TO EXISTING MOD/ID AS REQUIRED. COORDINATE JACK CABLE REQUIREMENTS AND COLORS WITH OWNER.
 - ANY ALL EXISTING PROTECTION/INTRUSION SYSTEMS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: ACCESS CONTROL, AIRPHONE SECURITY, CCTV, ETC., SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. MODIFY/EXTEND EXISTING SYSTEMS AS REQUIRED AND AS APPROXIMATELY SHOWN. COORDINATE EXTENT OF WORK AND ANY ALL REQUIREMENTS WITH SYSTEM PROVIDER.
 - COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND DETAILS. ARCHITECTURAL ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS.
 - ALL NEW DATA CABLES SHALL BE PULLED TO TR-3303A ON FLOOR 3, AND TR-4301 ON FLOOR 4. REFER TO ROOM LOCATIONS SHOWN ON SHEET E301.
 - ALL NEW DATA CABLES AT EQUIPMENT OUTLETS SHALL BE CAT6. (2) NEW CAT6A DATA CABLES SHALL BE PROVIDED AT WAF LOCATIONS.

- KEYED NOTES**
(KEYED NOTES PER PROJECT)
- P1 EXISTING PANELBOARD NOT IN PROJECT SCOPE TO REMAIN AS IS.
 - P8 COORDINATE HEIGHT OF MICROWAVE RECEPTACLE WITH FINAL ARCHITECTURAL CABINET LAYOUT.
 - P9 ELECTRICAL CONTRACTOR TO PROVIDE POKE THRU DEVICE EQUAL TO LEGRAND 8' EVOLUTION SERIES. POKE THRU DEVICE SHALL BE PROVIDED WITH A MINIMUM TWO (2) DUPLEX RECEPTACLES, FOUR (4) CAT6 JACKS, AND ONE (1) SINGLE GANG DECORA HDMI PLATE. PROVIDE 1-1/4" RAGWAY BETWEEN POKE THRU AND ACCESSIBLE CEILING IN CONFERENCE ROOM FOR AV CABLING. AV CABLING IS OWNER FURNISHED, OWNER INSTALLED. COORDINATE FINAL POKE THRU UTILITY CONNECTIONS AND FINISH WITH ARCHITECTURE/OWNER.
 - P19 PROVIDE PANEL INTERIOR RETROFIT KIT TO EXISTING PANEL 'R'. PROVIDE NEW FLUSH MOUNT PANEL COVER FOR FLUSH INSTALLATION WITH NEW WALL.
 - S3 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL A 4" SQUARE JUNCTION BOX WITH SINGLE GANG TRIM RING FOR MONITOR LOW VOLTAGE CABLING. PROVIDE A 1-1/4" FROM JUNCTION BOX LOCATION TO ABOVE ACCESSIBLE CEILING.
 - S4 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL A 4" SQUARE JUNCTION BOX WITH SINGLE GANG TRIM RING FOR MONITOR LOW VOLTAGE CABLING. PROVIDE A 1-1/2" FROM JUNCTION BOX LOCATION TO ABOVE ACCESSIBLE CEILING.
 - S7 LOW VOLTAGE CONTRACTOR SHALL COORDINATE INSTALLATION/REINSTALLATION OF WIRELESS ACCESS POINT WITH DOT/IS INFRASTRUCTURE MANAGER. REFER TO S/E900 AND S/E900 FOR WIRELESS ACCESS POINT INSTALLATION DETAILS.
 - S9 NEW BUILDING LOCK TO BE PROVIDED IN THIS AREA. COORDINATE INSTALLATION REQUIREMENTS WITH UW.

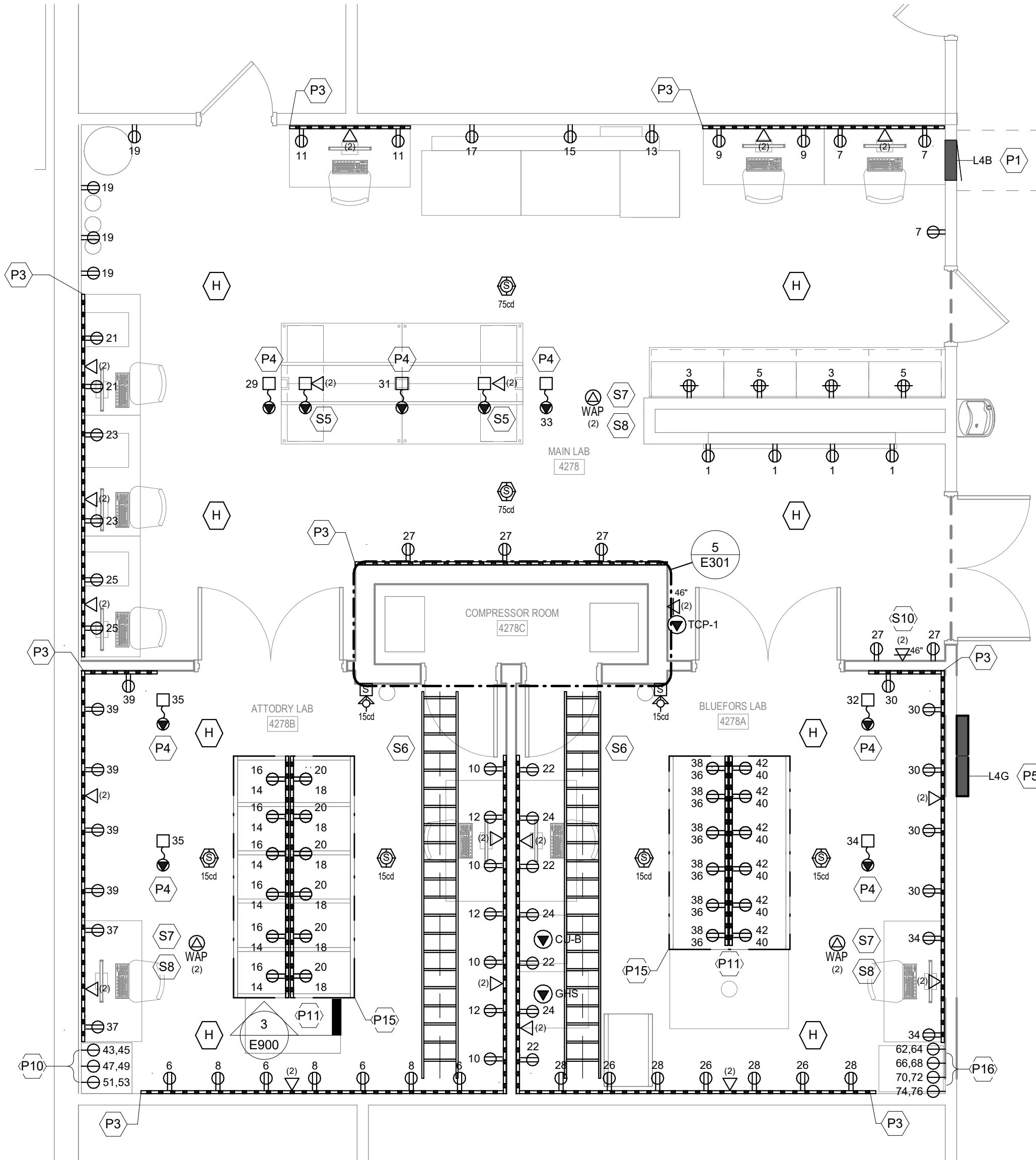




3
E211
NEW WORK PLAN - LEVEL 04 - POWER/SYSTEMS
SCALE: 3/16" = 1'-0"



1
E211
NEW WORK PLAN - LEVEL 04 - LIGHTING
SCALE: 1/8" = 1'-0"



2
E211
NEW WORK PLAN - LEVEL 04 - POWER/SYSTEMS
SCALE: 1/8" = 1'-0"

LIGHTING GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS, AND DETAILS.
- REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF ALL LIGHT FIXTURE AND CONTROLLER INSTALLATIONS.
- VERIFY ALL MOUNTING HEIGHTS OF DEVICES ABOVE MILLWORK WITH ARCHITECTURAL PLANS.
- WIRING SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (NEC) AND APPLICABLE LOCAL CODES, INCLUDING PROVISION OF EQUIPMENT GROUNDING AS REQUIRED BY THE NEC.
- POWER CONDUCTORS SHALL BE SIZED PER THE NEC AMPACITY TABLES (ARTICLE 310), INCLUDING ADJUSTMENT FACTOR AND NEUTRAL CONDUCTOR REQUIREMENTS (FEED AND BRANCH NEUTRAL CONDUCTORS MUST BE COUNTED AS CURRENT CARRYING CONDUCTORS). RUN SEPARATE NEUTRAL CONDUCTORS FOR ALL LIGHTING CIRCUITS.
- LIGHT FIXTURES THAT DO NOT INDICATE A PANEL AND CIRCUIT NUMBER ARE TO BE CONNECTED TO THE EXISTING CIRCUIT THAT FEEDS THE LIGHTING IN THAT SPACE.
- LIGHT FIXTURES AND OTHER APPARATUS SUPPORTED BY THE ACOUSTICAL CEILING GRID MUST MEET THE REQUIREMENTS OF NEC SECTION 410.16, MEANS OF SUPPORT.

POWER GENERAL NOTES:

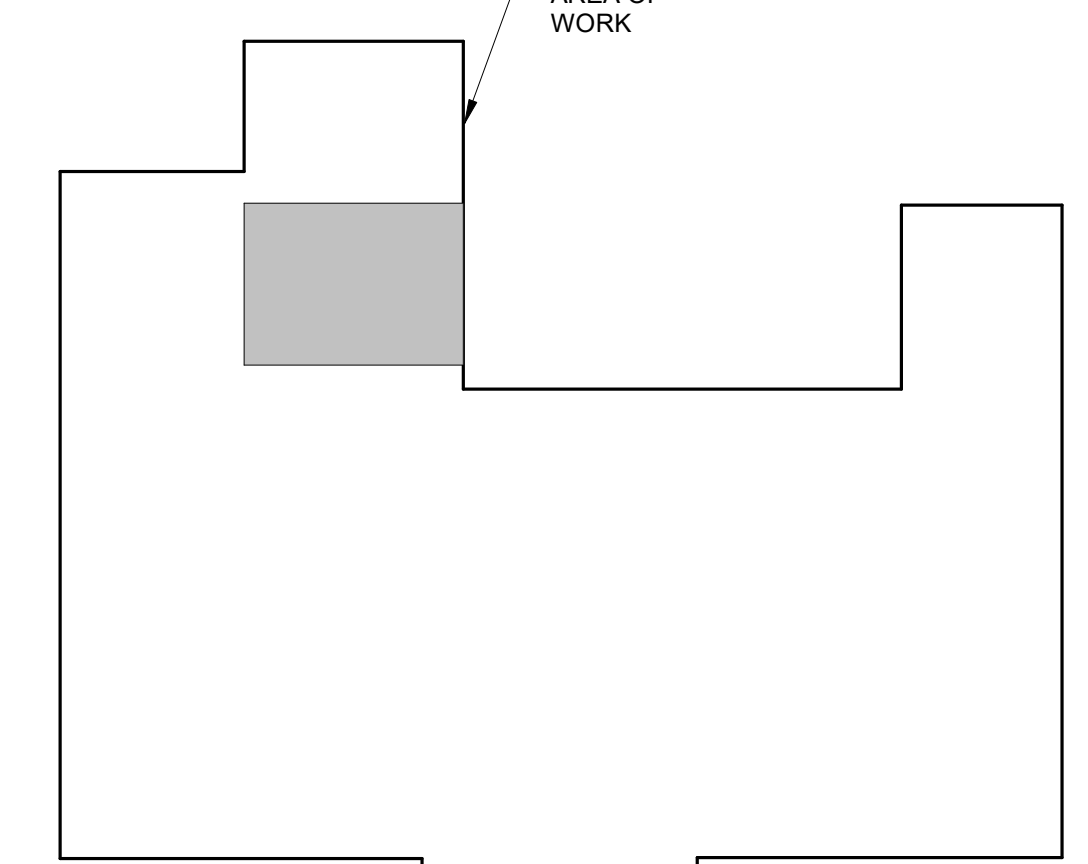
- ALL CIRCUIT NUMBERS SHOWN ON THIS SHEET SHALL BE FED FROM PANEL L4G UNLESS OTHERWISE NOTED.
- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS, AND DETAILS.
- THE CONTRACTOR MAY INSTALL UP TO THREE (3) CURRENT CARRYING CONDUCTORS IN A CONDUIT, WHEN UTILIZING ONLY #12 CONDUCTORS, THE CONTRACTOR MAY INSTALL UP TO SIX (6) CURRENT CARRYING CONDUCTORS IN A CONDUIT. LOADINGS ARE BASED ON THW IN INSULATION, 40°C AMBIENT WITH DERATING FOR TEMPERATURE AND UP TO THREE (3) CONDUCTORS IN A CONDUIT. CONTACT THE ENGINEER FOR WIRING IN OTHER CONDITIONS TO ACCOUNT FOR CONDUCTOR DERATING. NEUTRAL CONDUCTOR SHALL BE CONSIDERED A CURRENT CARRYING CONDUCTOR IN UNBALANCED 3-PHASE APPLICATIONS.
- VERIFY ALL MOUNTING HEIGHTS OF DEVICES ABOVE MILLWORK WITH ARCHITECTURAL PLANS.
- ELECTRICAL CONTRACTOR TO PROVIDE NECESSARY CODE REQUIRED FIRE PROOFING FOR ALL PENETRATIONS INTO FIRE RATED WALL(S)/CEILING(S), WHERE ALL ASSEMBLIES ARE REQUIRED TO HAVE A 1 OR 2-HOUR RATED FIRE RESISTANCE RATING. RECESSED FIXTURES SHALL BE INSTALLED SUCH THAT THE REQUIRED FIRE RESISTANCE OF THE SURFACE WILL NOT BE REDUCED.
- ELECTRICAL CONTRACTOR SHALL CONFIRM ALL ELECTRICAL EQUIPMENT REQUIREMENTS FOR OWNER PROVIDED EQUIPMENT PRIOR TO ORDERING/INSTALLING RECEPTACLES, PLUGS, DISCONNECTS, ETC.

SYSTEMS GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS, AND DETAILS.
- ALL LOW VOLTAGE CABLES OR CONDUCTORS OPERATING AT LESS THAN 50 VOLTS SHALL BE IN ELECTRICAL METAL TUBING (EMT) WHERE INSTALLED WITHIN WALLS OR INACCESSIBLE SPACES.
- LOW VOLTAGE CABLES SHALL BE RUN IN CABLE TRAY. HOOKS SHALL BE LIMITED TO SUPPORTING CABLES TO THE NEAREST CABLE TRAY.
- TV OUTLETS, VOLUME CONTROLS, TELEPHONE OUTLETS, AND DATA OUTLETS SHALL CONSIST OF A BACK BOX WITH CONDUIT STUBBED ABOVE THE ACCESSIBLE CEILING. SEE ROUGH-IN DETAIL ON 2/E000. VERIFY SIZE OF BACK BOX REQUIRED WITH DEVICE TO BE INSTALLED. LOCATE BACK BOXES 6" FROM ADJACENT POWER RECEPTACLE INTENDED FOR COMPUTER USE.
- ANY ALL LOW VOLTAGE SYSTEMS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: COMMUNICATIONS, PAGING, CLOCK SYSTEM, CLASS BELLS, ETC. SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. FIELD VERIFY ALL LOW VOLTAGE SYSTEM REQUIREMENTS AND EXTEND/MAINTAIN/REUSE AS REQUIRED. EXTEND ANY ALL NEW COMMUNICATIONS CABLING TO EXISTING MODIF. AS REQUIRED. COORDINATE JACK/CABLING REQUIREMENTS AND COLORS WITH OWNER.
- ANY ALL EXISTING PROTECTION/INTRUSION SYSTEMS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: ACCESS CONTROL, ALPHONE, SECURITY, CCTV, ETC. SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. MODIFY/EXTEND EXISTING SYSTEMS AS REQUIRED AND AS APPROXIMATELY SHOWN. COORDINATE EXTENT OF WORK AND ANY ALL REQUIREMENTS WITH SYSTEM PROVIDER.
- COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND DETAILS. ARCHITECTURAL ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS.
- ALL NEW DATA CABLES SHALL BE PULLED TO TR-3303A ON FLOOR 3, AND TR-4301 ON FLOOR 4. REFER TO ROOM LOCATIONS SHOWN ON SHEET E301.
- ALL NEW DATA CABLES AT EQUIPMENT OUTLETS SHALL BE CAT6. (2) NEW CAT6A DATA CABLES SHALL BE PROVIDED AT WAP LOCATIONS.

KEYED NOTES

- (KEYED NOTES PER PROJECT)
- L1 LASER IN USE LIGHT TO BE CONTROLLED VIA MANUAL SWITCH WITHIN LAB.
 - L2 MOUNT OPTICAL TABLE LIGHT FIXTURE BELOW THE GRID SYSTEM WITH NEW AIRCRAFT CABLING. PROVIDE NEW FIXTURE WHIPS FROM CEILING MOUNTED JUNCTION BOX. REFER TO 3/E900 FOR INSTALLATION DETAIL.
 - P1 EXISTING PANELBOARD NOT IN PROJECT SCOPE TO REMAIN AS IS.
 - P3 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL SURFACE DIVIDED PLUGMOLD MULTIOUTLET SYSTEM EQUAL TO LEGRAND WIREMOLD 4000 SERIES IN IVORY WITH DEVICES AS SHOWN. COORDINATE HEIGHT OF WIREMOLD WITH FINAL FURNITURE LAYOUT.
 - P4 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW CORD DROP WITH NEMA 5-20P PLUG. CONFIRM FINAL NEMA CONFIGURATION WITH USER GROUP. PROVIDE CORD CONNECTORS/GRIPS/STRAIN RELIEF AS REQUIRED. HANG CORD DROP TO 6 FOOT AFF.
 - P5 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 208Y/120V, 225A, 3P, MLO, PANEL L4G. PROVIDE NEW 225A BREAKER IN EXISTING SWITCHBOARD "L4D".
 - P10 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL THREE(3) NEMA L6-20R RECEPTACLES FOR MAGNET POWER SUPPLIES. CONFIRM FINAL EQUIPMENT NEMA PLUG TYPE WITH EQUIPMENT VENDOR.
 - P11 WIREMOLD AT OPTICAL TABLE TO BE MOUNTED ABOVE AND BELOW THE GRID SYSTEM (GRID SYSTEM PROVIDED BY DIV 13 CONTRACTOR). REFER TO 3/E900 FOR INSTALLATION DETAIL. TOP CIRCUIT NUMBER REFERS TO WIREMOLD MOUNTED ABOVE GRID SYSTEM, BOTTOM CIRCUIT NUMBER REFERS TO WIREMOLD MOUNTED BELOW GRID SYSTEM.
 - P15 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL #4 INSULATED GROUND WIRE TO UNDERSIDE OF GRID SYSTEM. BOND TO GROUND BAR IN NEW PANELBOARD L4G.
 - P16 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL FOUR(4) NEMA L6-20R RECEPTACLES FOR MAGNET POWER SUPPLIES. CONFIRM FINAL EQUIPMENT NEMA PLUG TYPE WITH EQUIPMENT VENDOR.
 - S5 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL A 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE. PROVIDE TWO(2) CAT6 CABLES AND JACKS UNLESS NOTED OTHERWISE. PROVIDE TWO(2) CAT6 CABLES AND CORD CONNECTORS/GRIPS/STRAIN RELIEF AS REQUIRED TO FEED NEW WORKSTATION. HANG NETWORK DROP TO 6 FOOT AFF.
 - S6 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 1/2" STEEL LADDER RACK STYLE CABLE TRAY FROM COMPRESSOR ROOM TO LAB SPACE. COORDINATE FINAL CABLE TRAY REQUIREMENTS WITH EQUIPMENT VENDOR/OWNER.
 - S7 LOW VOLTAGE CONTRACTOR SHALL COORDINATE INSTALLATION/REINSTALLATION OF WIRELESS ACCESS POINT WITH DOT NS INFRASTRUCTURE MANAGER. REFER TO 5/E900 AND 6/E900 FOR WIRELESS ACCESS POINT INSTALLATION DETAILS.
 - S8 WAP MOUNTING LOCATION SHALL BE LOWERED TO, AT, OR BELOW PIPING, DUCTWORK, LIGHTING, ETC. IN THE AREA. IF MOUNTING HEIGHT IS ABOVE 12'-0" AFF THE DOT NS INFRASTRUCTURE PROJECT MANAGER NEEDS TO BE CONSULTED.
 - S10 LOW VOLTAGE CONTRACTOR SHALL COORDINATE NETWORK DROP FACEPLATE PROVIDED FOR DEDICATED WALL PHONE IN THIS LOCATION. FACEPLATE SHALL BE AS FLUSH TO THE WALL AS POSSIBLE.



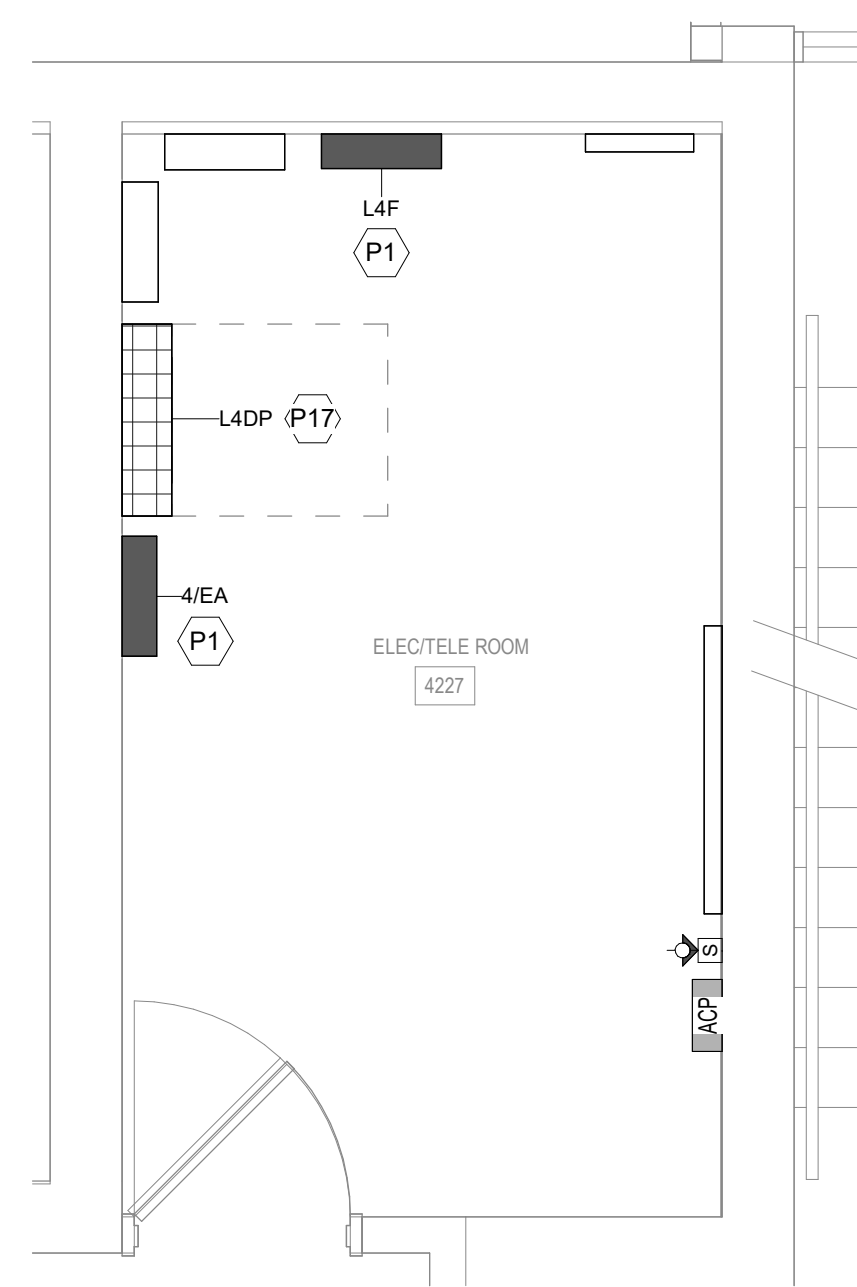
CAMPUS LOCATOR MAP
NO SCALE



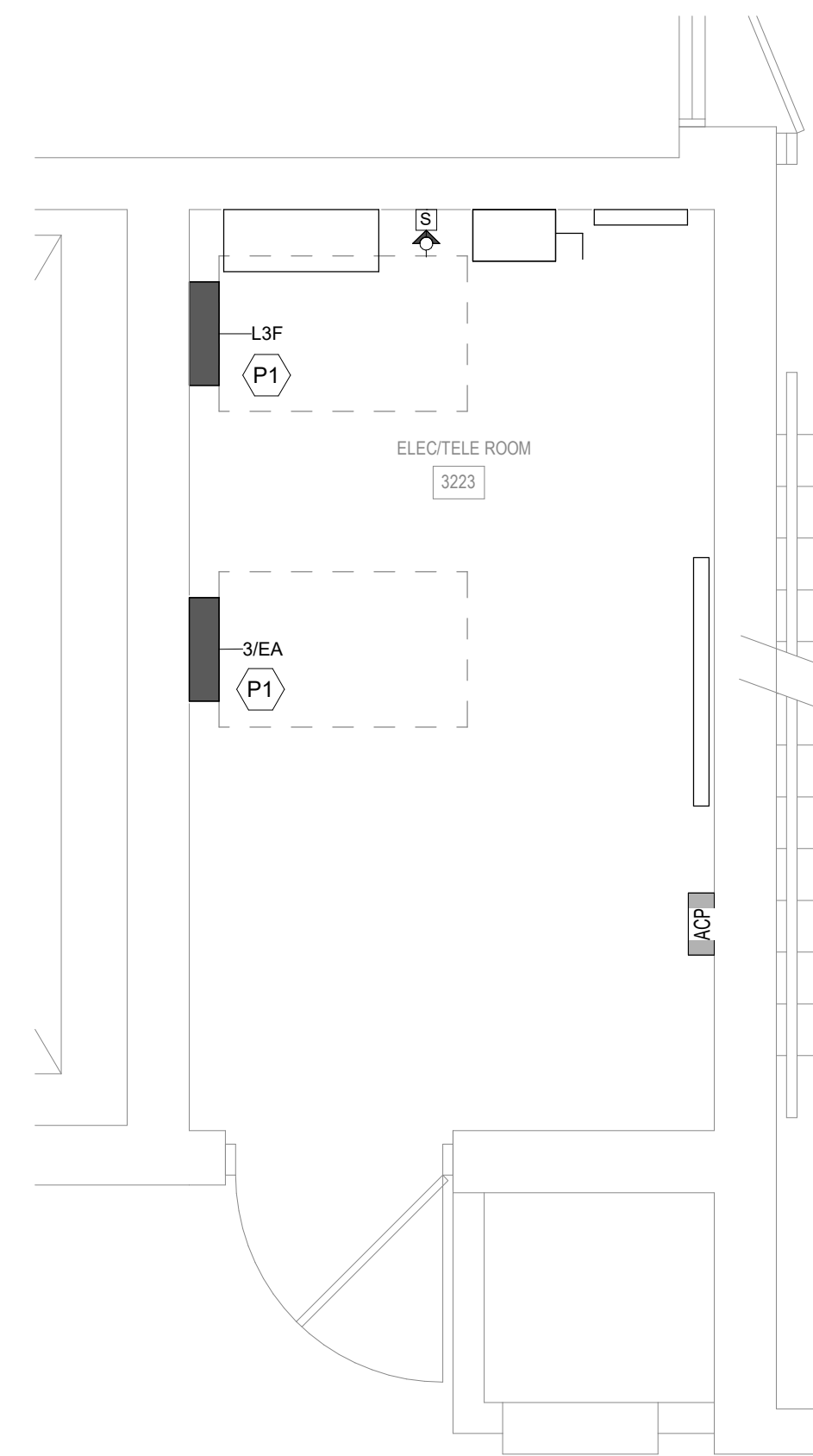
T 414.220.9640
751 N Jefferson St.
Suite 200
Milwaukee, WI 53202

CONSULTANTS:
JDR
ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.7128 FAX: 608.277.7046
JDR PROJECT NO: 23.0246

© COPYRIGHT 2023, CONTINUUM ARCHITECTS + PLANNERS S.C.



3 NEW WORK PLAN - LEVEL 04 - ELEC/TELE ROOM 4227
E301 SCALE: 3/8" = 1'-0"



1 NEW WORK PLAN - LEVEL 03 - ELEC/TELE ROOM 3223
E301 SCALE: 3/8" = 1'-0"

LIGHTING GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS, AND DETAILS.
- REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF ALL LIGHT FIXTURE AND CONTROLLER INSTALLATIONS.
- VERIFY ALL MOUNTING HEIGHTS OF DEVICES ABOVE MILLWORK WITH ARCHITECTURAL PLANS.
- WIRING SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (NEC) AND APPLICABLE LOCAL CODES, INCLUDING PROVISION OF EQUIPMENT GROUNDING AS REQUIRED BY THE NEC.
- POWER CONDUCTORS SHALL BE SIZED PER THE NEC AMPACITY TABLES (ARTICLE 310), INCLUDING ADJUSTMENT FACTOR AND NEUTRAL CONDUCTOR REQUIREMENTS (FEED AND BRANCH NEUTRAL CONDUCTORS MUST BE COUNTED AS CURRENT CARRYING CONDUCTORS). RUN SEPARATE NEUTRAL CONDUCTORS FOR ALL LIGHTING CIRCUITS.
- LIGHT FIXTURES THAT DO NOT INDICATE A PANEL AND CIRCUIT NUMBER ARE TO BE CONNECTED TO THE EXISTING CIRCUIT THAT FEEDS THE LIGHTING IN THAT SPACE.
- LIGHT FIXTURES AND OTHER APPARATUS SUPPORTED BY THE ACOUSTICAL CEILING GRID MUST MEET THE REQUIREMENTS OF NEC SECTION 410.16, MEANS OF SUPPORT.

POWER GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS, AND DETAILS.
- THE CONTRACTOR MAY INSTALL UP TO THREE (3) CURRENT CARRYING CONDUCTORS IN A CONDUIT. WHEN UTILIZING ONLY #12 CONDUCTORS, THE CONTRACTOR MAY INSTALL UP TO SIX (6) CURRENT CARRYING CONDUCTORS IN A CONDUIT. LOADINGS ARE BASED ON THWN INSULATION, 40°C AMBIENT WITH DERATINGS FOR TEMPERATURE AND UP TO THREE (3) CONDUCTORS IN A CONDUIT. CONTACT THE ENGINEER FOR WIRING IN OTHER CONDITIONS TO ACCOUNT FOR CONDUCTOR DERATING. NEUTRAL CONDUCTOR SHALL BE CONSIDERED A CURRENT CARRYING CONDUCTOR IN UNBALANCED, 3-PHASE APPLICATIONS.
- VERIFY ALL MOUNTING HEIGHTS OF DEVICES ABOVE MILLWORK WITH ARCHITECTURAL PLANS.
- ELECTRICAL CONTRACTOR TO PROVIDE NECESSARY CODE REQUIRED FIRE PROOFING FOR ALL PENETRATIONS INTO FIRE RATED WALL(S)/CEILING(S), WHERE ALL ASSEMBLIES ARE REQUIRED TO HAVE A 1 OR 2-HOUR RATED FIRE RESISTANCE RATING. RECESSED FIXTURES SHALL BE INSTALLED SUCH THAT THE REQUIRED FIRE RESISTANCE OF THE SURFACE WILL NOT BE REDUCED.
- ELECTRICAL CONTRACTOR SHALL CONFIRM ALL ELECTRICAL EQUIPMENT REQUIREMENTS FOR OWNER PROVIDED EQUIPMENT PRIOR TO ORDERING/INSTALLING RECEPTACLES, PLUGS, DISCONNECTS, ETC.

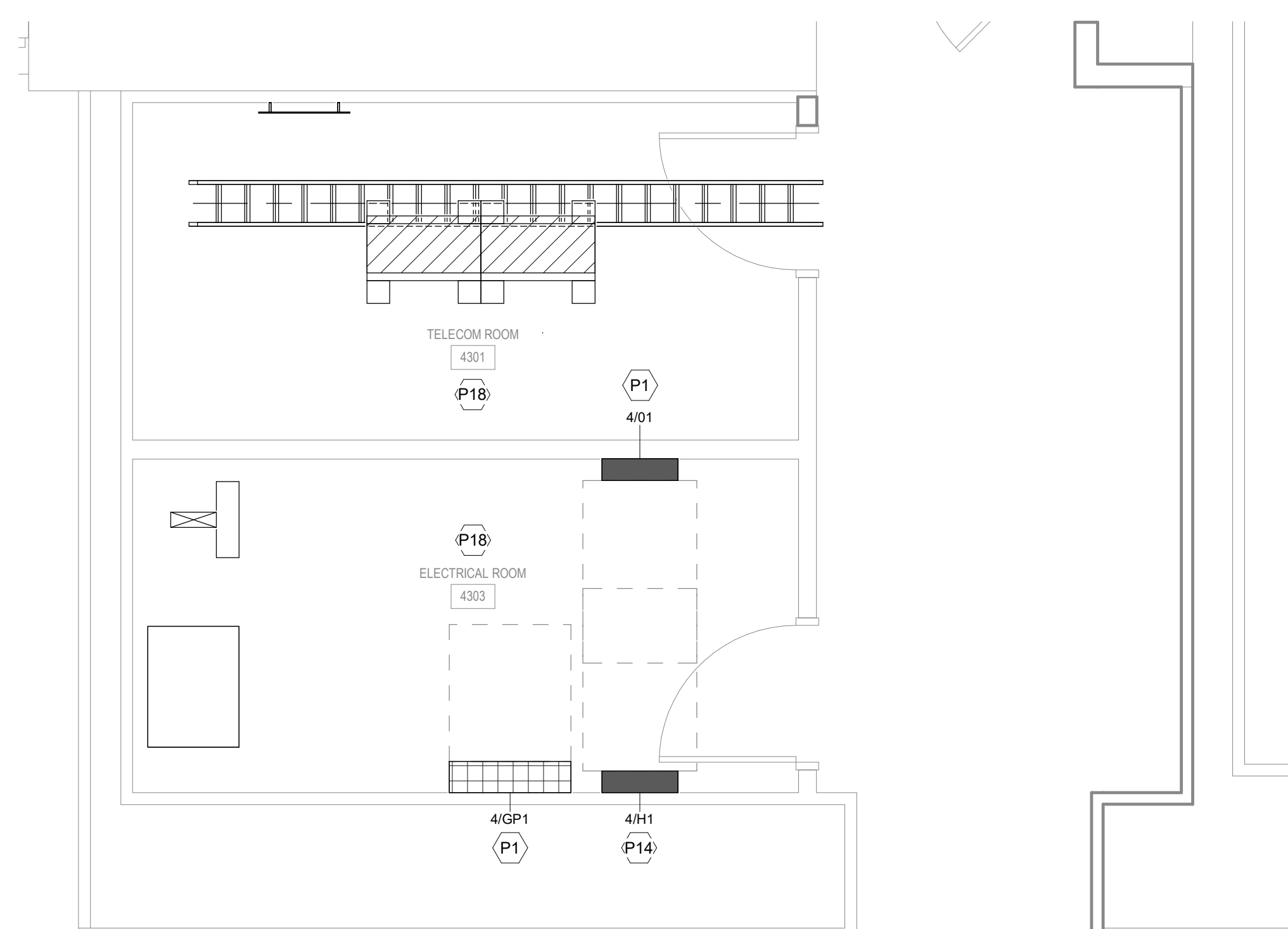
SYSTEMS GENERAL NOTES:

- REFER TO SHEET E000 FOR ALL SYMBOLS, ABBREVIATIONS, AND DETAILS.
- ALL LOW VOLTAGE CABLES OR CONDUCTORS OPERATING AT LESS THAN 50 VOLTS SHALL BE IN ELECTRICAL METAL TUBING (EMT) WHERE INSTALLED WITHIN WALLS OR INACCESSIBLE SPACES.
- LOW VOLTAGE CABLES SHALL BE RUN IN CABLE TRAY. HOOKS SHALL BE LIMITED TO SUPPORTING CABLES TO THE NEAREST CABLE TRAY.
- TV OUTLETS, VOLUME CONTROLS, TELEPHONE OUTLETS, AND DATA OUTLETS SHALL CONSIST OF A BACK BOX WITH CONDUIT STUBBED ABOVE THE ACCESSIBLE CEILING. SEE ROUGH-IN DETAIL ON 025000. VERIFY SIZE OF BACK BOX REQUIRED WITH DEVICE TO BE INSTALLED. LOCATE BACK BOXES 6" FROM ADJACENT POWER RECEPTACLE INTENDED FOR COMPUTER USE.
- ANY ALL LOW VOLTAGE SYSTEMS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: COMMUNICATIONS, PAGING, CLOCK SYSTEM, GLASS BELLS, ETC., SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. FIELD VERIFY ALL LOW VOLTAGE SYSTEM REQUIREMENTS AND EXTEND/MAINTAIN/REUSE AS REQUIRED. EXTEND ANY ALL NEW COMMUNICATIONS CABLEING TO EXISTING MDF/IDF AS REQUIRED. COORDINATE JACK/CABLEING REQUIREMENTS AND COLORS WITH OWNER.
- ANY ALL EXISTING PROTECTION/INTRUSION SYSTEMS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: ACCESS CONTROL, ALPHONE, SECURITY, CCTV, ETC., SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. MODIFY/EXTEND EXISTING SYSTEMS AS REQUIRED AND AS APPROXIMATELY SHOWN. COORDINATE EXTENT OF WORK AND ANY ALL REQUIREMENTS WITH SYSTEM PROVIDER.
- COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND DETAILS. ARCHITECTURAL ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS.
- ALL NEW DATA CABLES SHALL BE PULLED TO TR-3303A ON FLOOR 3, AND TR-4301 ON FLOOR 4. REFER TO ROOM LOCATIONS SHOWN ON SHEET E301.
- ALL NEW DATA CABLES AT EQUIPMENT OUTLETS SHALL BE CAT6. (2) NEW CAT6A DATA CABLES SHALL BE PROVIDED AT WAP LOCATIONS.

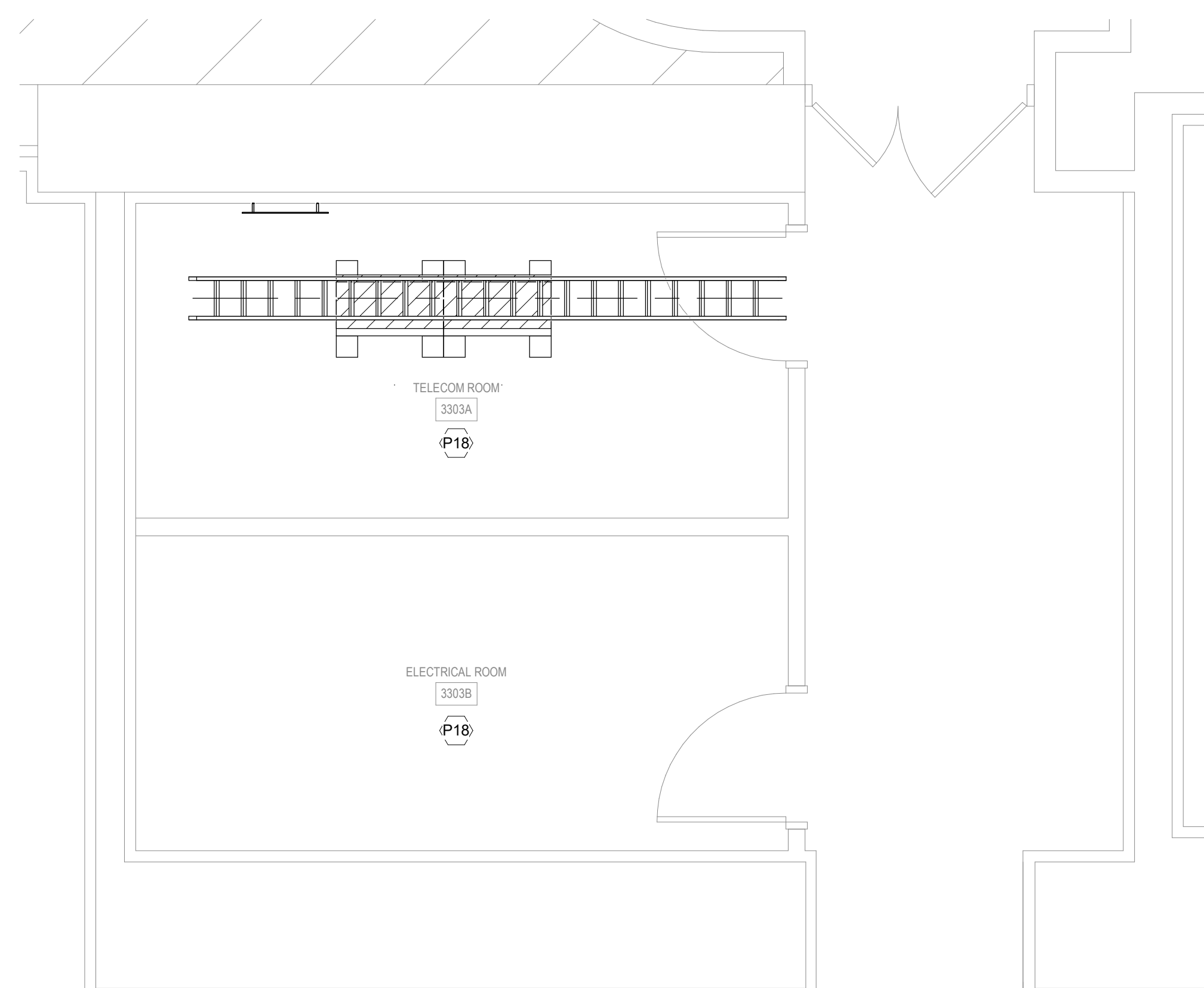
KEYED NOTES

(KEYED NOTES PER PROJECT)

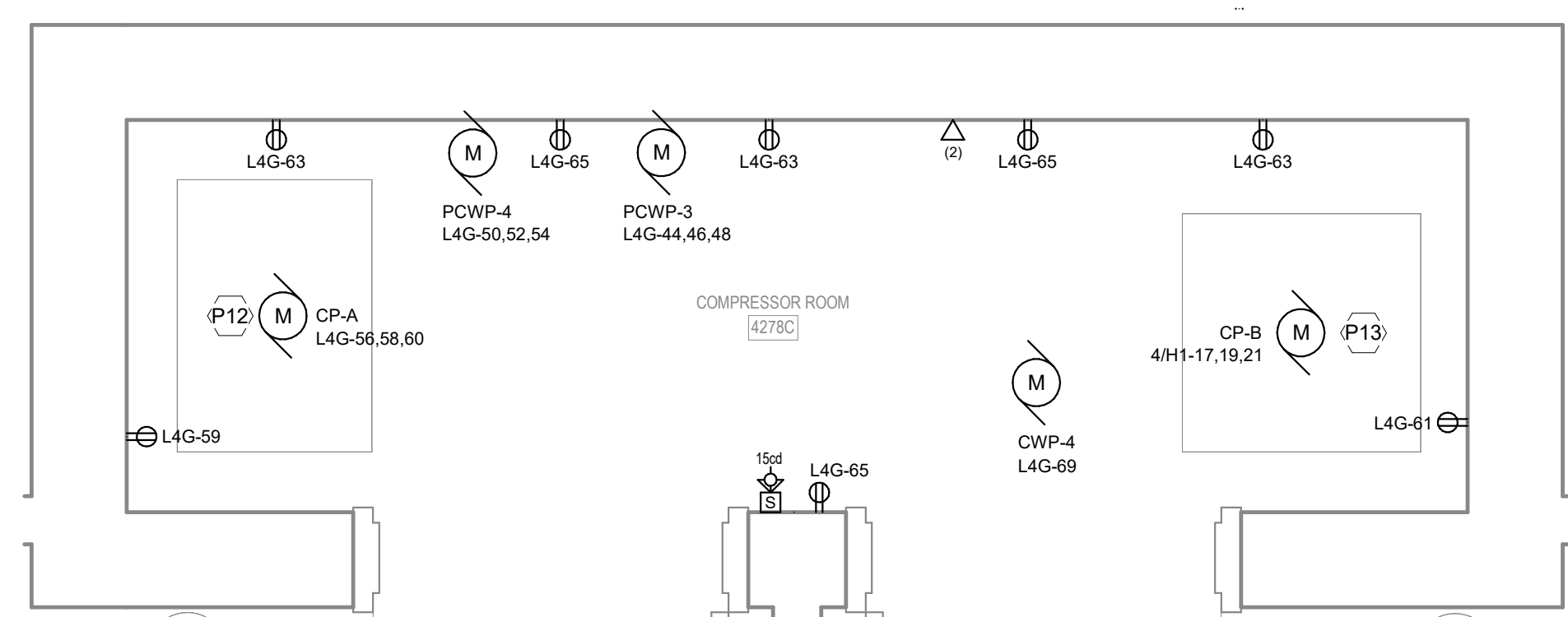
- EXISTING PANEL BOARD NOT IN PROJECT SCOPE TO REMAIN AS IS.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL PIN & SLEEVE RECEPTACLE EQUAL TO: HUBBELL HBL532R6W TO CONNECT TO 3P+N+E, 32A, 6H MALE CONNECTOR PROVIDED BY ATTOCUBE. CONFIRM FINAL CONFIGURATION WITH EQUIPMENT VENDOR.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL TWISTLOCK PLUG AND RECEPTACLE FOR BLUEFORS COMPRESSOR. CONFIRM FINAL NEMA CONFIGURATION WITH EQUIPMENT VENDOR. REFER TO E301 FOR LOCATION OF 480V PANEL, 4H1 TO FEED BLUEFORS COMPRESSOR.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 25A/3P BREAKER IN EXISTING GE, 480Y/277V, 3P, 125A, MLO PANEL 4H1 TO FEED BLUEFORS COMPRESSOR.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 225A/3P BREAKER IN EXISTING SQUARE D, 208Y/120V, 3P, 800A, MLO PANEL L4DP TO FEED NEW PANEL L4G.
- REFER TO CAMPUS LOCATOR MAP FOR APPROXIMATE ROOM LOCATION.



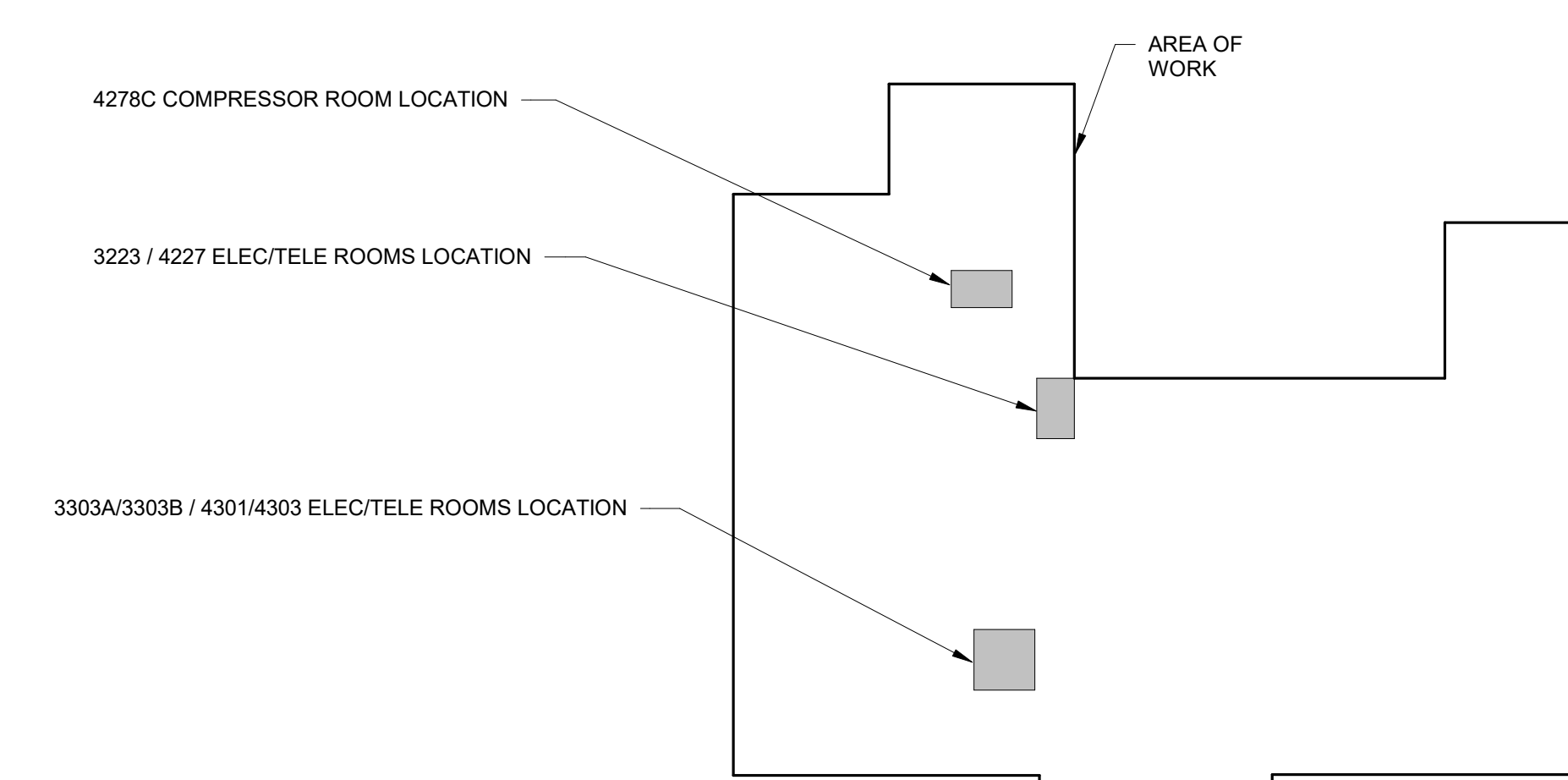
4 NEW WORK PLAN - LEVEL 04 - ELEC/TELE ROOMS 4301/4303
E301 SCALE: 3/8" = 1'-0"



2 NEW WORK PLAN - LEVEL 03 - ELEC/TELE ROOMS 3303A/3303B
E301 SCALE: 3/8" = 1'-0"



5 NEW WORK PLAN - LEVEL 04 - COMPRESSOR ROOM 4278C
E301 SCALE: 3/8" = 1'-0"



CAMPUS LOCATOR MAP
NO SCALE

Chamberlin L&S Songs Physics Lab Renovation
UW Madison
1150 UNIVERSITY AVE, MADISON, WI 53706
SHEET TITLE: NEW WORK ENLARGED PLANS - LEVEL 03 & LEVEL 04 - ELECTRICAL

REVISIONS:

1	9/5/24	Addendum 1
---	--------	------------

SCALE	VARIES
PROJECT NUMBER	0055-2346 / A-23-012
SET TYPE	BD
DATE ISSUED	AUG 16, 2024
SHEET NUMBER	E301