



**Boulder County Purchasing**  
**1325 Pearl Street**  
**Boulder, CO 80302**  
[purchasing@bouldercounty.org](mailto:purchasing@bouldercounty.org)

**INVITATION TO BID**  
**COVER PAGE**

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**BID Number:** **7372-22**

**BID Title:** **South East County Hub - Lighting and Lighting Controls**

**BID Questions Due:** August 16, 2022 – 2:00 p.m.

**Submittal Due Date:** August 25, 2022 – 2:00 p.m.

**Email Address:** [purchasing@bouldercounty.org](mailto:purchasing@bouldercounty.org)

**Documents included in this package:**

- Bid Instructions
- Terms and Conditions
- Specifications
- Insurance and W-9 Requirements
- Submittal Checklist
- Bid Tab Section
- Signature Page
- Sample Contract
- Supplemental Instructions
- Drawings



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## INSTRUCTIONS

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### 1. Purpose/Background

Boulder County is building out a 40,000 sq. foot build design to a lead gold standard at the Southeast County Service Hub, located at 1755 S. Public Road in Lafayette. We are looking for bids on lighting and lighting controls. We are looking for bids on exact lighting fixtures and will consider alternates. Watt stopper control only no substitutes. This is for product only, no labor.

### 2. Written Inquiries

All inquiries regarding this BID will be submitted via email to the Boulder County Purchasing Office at [purchasing@bouldercounty.org](mailto:purchasing@bouldercounty.org) on or before 2:00 p.m. **August 16, 2022**. A response from the county to all inquiries will be posted and sent via email no later than **August 19, 2022**.

**Do not contact any other county department or personnel with questions or for information regarding this solicitation.**

### 3. Submittal Instructions

BIDs are due at the email box only, listed below, for time and date recording on or before **2:00 p.m. Mountain Time on August 25, 2022**. A bid opening will be conducted at 3:00 p.m. via email by sending a copy of the bid tab to all who have submitted a bid. **Vendors must answer whether line-item pricing information submitted with a bid is confidential or closely held.**

**Please note that email responses to this solicitation are limited to a maximum of 50MB capacity.**

**NO ZIP FILES OR LINKS TO EXTERNAL SITES WILL BE ACCEPTED. THIS INCLUDES GOOGLE DOCS AND SIMILAR SITES. ALL SUBMITTALS MUST BE RECEIVED AS AN ATTACHMENT (E.G. PDF, WORD, EXCEL).**

**Electronic Submittals must be received in the email box listed below. Submittals sent to any other box will NOT be forwarded or accepted. This email box is only accessed on the due**

**date of your questions or proposals. Please use the Delivery Receipt option to verify receipt of your email. It is the sole responsibility of the proposer to ensure their documents are received before the deadline specified above. Boulder County does not accept responsibility under any circumstance for delayed or failed email or mailed submittals.**

**Email**     [purchasing@bouldercounty.org](mailto:purchasing@bouldercounty.org); identified as **BID # 7372-22** in the subject line.

All BIDs must be received and time and date recorded by authorized county staff by the above due date and time. Sole responsibility rests with the bidder to see that their BID response is received on time at the stated location(s). Any BIDs received after due date and time will be returned to the bidder.

The Board of County Commissioners reserves the right to reject any and all BIDs, to waive any informalities or irregularities therein, and to accept the proposal that, in the opinion of the Board, is in the best interest of the Board and of the County of Boulder, State of Colorado.

Contractors and their employees, subcontractors, and agents must comply with all federal, state, and local laws, regulations, ordinances, orders, and codes, as well as Boulder County policies, guidelines, and protocols.

**Americans with Disabilities Act (ADA):** If you need special services provided for under the Americans with Disabilities Act, contact the ADA Coordinator or the Human Resources office at (303) 441-3525 at least 48 hours before the scheduled event.



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## **TERMS AND CONDITIONS**

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1. Bidders are expected to examine the drawing, specifications, schedule of delivery, and all instructions. Failure to do so will be at the bidder's risk.
  2. Each bidder will furnish the information required in the Invitation to Bid.
  3. The Contract/Purchase Order will be awarded to that responsible bidder whose submittal, conforming to the Invitation to Bid, will be most advantageous to the County of Boulder, based on best value not only price.
  4. The County of Boulder reserves the right to reject any or all bids and to waive informalities and minor irregularities in bids received, and to accept any portion of or all items proposed if deemed in the best interest of the County of Boulder to do so.
  5. No submittal will be withdrawn for a period of thirty (30) days subsequent to the opening of bids without the consent of the County Purchasing Agent or delegated representative.
  6. A signed purchase order or contract furnished to the successful bidder results in a binding contract without further action by either party.
  7. Late or unsigned bids will not be accepted or considered. It is the responsibility of bidders to ensure that the bid arrives at the Purchasing email address prior to the time indicated in the "Invitation to Bid."
  8. The proposed price will be exclusive of any Federal or State taxes from which the County of Boulder is exempt by law.
  9. Any interpretation, correction or change of the bid documents will be made by Addendum. Interpretations, corrections and changes of the bid documents made in any other manner will not be binding, and bidder will not rely upon such interpretations, corrections and changes. The County's Representative will not be responsible for oral clarification.
  10. Confidential/Proprietary Information: Bids submitted in response to this "Invitation to Bid" and any resulting contract are subject to the provisions of the Colorado Open Records Act,

24-72-201 et seq., C.R.S., as amended. Any restrictions on the use or inspection of material contained within the bid or resulting contract should be clearly stated in the bid and contract itself. Confidential/proprietary information should be readily identified, marked and/or separated from the rest of the bid. Co-mingling of confidential/proprietary and other information is NOT acceptable. Vendors must answer whether line-item pricing information submitted with a bid is confidential or closely held. Bids that do not identify confidential/proprietary information may be released in their entirety. Pricing totals contained in a bid are not considered confidential.

**The Boulder County Attorney's Office retains sole authority for determining whether the Colorado Open Records Act requires or permits Boulder County to disclose proposal or bid documents, or any information contained therein, pursuant to an open records request.**

11. Boulder County promotes the purchase/leasing of energy efficient materials and products with low toxicity levels when availability, quality and budget constraints allow. Proposers are expected whenever possible to provide products that earn the ENERGY STAR and meet the ENERGY STAR specifications for energy efficiency with power management features enabled. Proposers are encouraged to offer products and equipment with post-consumer recycled-content materials. Products should be packaged and delivered with a minimum amount of recycled packaging that adequately protects the product but is not excessive.
12. Pursuant to Colorado law (House Bill 1292), in any bidding process for public works in which a bid is received from a non-resident bidder who is from a state that provides a percentage bidding preference, a comparable percentage disadvantage will be applied to the bid of that bidder. Bidders may obtain additional information from the Department of Personnel's website: <http://www.colorado.gov/dpa/>.



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## **SPECIFICATIONS**

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Please see the Supplemental Instructions and Drawings at the end of this document.



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## **W-9 REQUIREMENTS**

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### **W-9 REQUIREMENT**

Provide a copy of your business's W-9 with your proposal.



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### SUBMITTAL SECTION

The bidder's attention is especially called to the items listed below, which must be submitted in full as part of the BID. Failure to submit any of the documents listed below as a part of your BID, or failure to acknowledge any addendum in writing with your BID, or submitting a bid on any condition, limitation or provision not officially invited in this Invitation to Bid (BID) may be cause for rejection of the BID.

**THIS CHECKLIST MUST BE SUBMITTED AS PART OF YOUR BID PACKAGE:** Bidder will check each box indicating compliance:

INCLUDED	ITEM
	Name and Address of the Partners and Subcontractors if applicable
	A detailed project schedule with an all-inclusive total cost
	Information on the relevant experience of key personnel
	State your compliance with the Terms and Conditions in the Sample Contract contained in this BID. Specifically list any deviations and provide justification for each deviation.
	Submit three references for similar projects your company has completed within the last three years and contact information. Boulder County will review all contractor evaluation forms from previous County projects.
	Insurance Certificate
	W-9
	Signature Page
	Addendum Acknowledgement(s) (If Applicable)

**THIS QUESTION MUST BE ANSWERED AS PART OF YOUR BID PACKAGE:** Bidder will answer Yes or No indicating compliance:

YES OR NO	ITEM
	Do you customarily keep line-item pricing information, such as the information being submitted with this proposal, confidential or closely-held?





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**BID TAB**

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**All items described in the Drawings, Specifications and Addenda for this project:**

\_\_\_\_\_ dollars (\$ \_\_\_\_\_)

Please verify that the quantities are accurate.

Please itemize these four line items: D4, D4A, D4W, and DW4 Prescolite Items, as we might need to pre-order these items due to time restraints.



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**SIGNATURE PAGE**

Contact Information	Response
Company Name including DBA	
List Type of Organization (Corporation, Partnership, etc.)	
Name, Title, and Email Address of Person Authorized to Contract with Boulder County	
Company Address	
Company Phone Number	
Company Website	

**By signing below I certify that:**

I am authorized to bid on my company's behalf.

I am not currently an employee of Boulder County.

None of my employees or agents is currently an employee of Boulder County.

I am not related to any Boulder County employee or Elected Official.

(Sole Proprietorships Only) I am not a Public Employees' Retirement Association (PERA) retiree.

\_\_\_\_\_  
**Signature of Person Authorized to Bid on  
 Company's Behalf**

\_\_\_\_\_  
**Date**

Note: If you cannot certify the above statements, please explain in a statement of explanation.

# **BOULDER COUNTY SAMPLE CONTRACT**

THIS CONTRACT ("Contract") is entered into by and between the Board of County Commissioners on behalf of the County of Boulder, State of Colorado, a body corporate and politic, for the benefit of the [Department] ("County") and [Supplier] ("Contractor"). County and Contractor are each a "Party," and collectively the "Parties."

In consideration of the mutual covenants contained in this Contract, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

1. **Incorporation into Contract:** The **Details Summary** is incorporated into this Contract. The **Contract Documents** are incorporated into this Contract by reference, except to the extent that the Proposal, if any is incorporated, contains any obligations placed upon County and not otherwise contained in this Contract.
2. **Work to be Performed:** Contractor will provide all labor and equipment and do all tasks necessary and incidental to performing the work as described in the **Details Summary** and **Contract Documents** (the "Work"). Contractor will perform the Work (a) in a good and workmanlike manner, (b) at its own cost and expense, (c) in accordance with recognized industry standards of care, skill and diligence for the type of work being performed, and (d) in strict accordance with the Contract.
3. **Term of Contract:** The **Contract Term** begins on the **Start Date** and expires on the **Expiration Date**, unless terminated sooner. All the Work must be performed during the **Contract Term**.
4. **Payment for Work Performed:** In consideration of the Work performed by Contractor, and subject to conditions contained in this Contract, County will pay an amount not to exceed the **Contract Amount** to Contractor in accordance with the **Contract Documents**.
5. **Invoicing:** Contractor will promptly provide a copy of its Form W-9 and invoice template to County upon request. Contractor must submit an invoice to the County by the fifteenth (15th) day of the month for completion of any Work performed in the prior calendar month. All invoices submitted require the following components: Contractor's name and address (submitted W-9 address must match remit address), detailed description of services, dates of services, itemization of labor and materials costs, "Bill to: Boulder County" language, payment remittance address, payer, name and address, date of invoice, unique invoice number, and total amount due. Contractor must send all completed invoices to the **Invoice Contact** in the **Details Summary**. County may require delivery of invoices by email. Failure to submit invoices in a timely manner and in accordance with the terms of this Contract may cause a delay in payment. County may recoup any damages incurred because of Contractor's failure to submit invoices pursuant to the terms of this paragraph. County's acceptance or payment of an invoice will not constitute acceptance of any Work performed under this Contract.
6. **Extra Time to Complete the Work (Additional Time only):** If Contractor cannot complete the Work by the **Expiration Date**, Contractor may request extra time to complete the Work. County, in its sole discretion, may grant Contractor additional time to complete the Work by sending a written notice of extension to Contractor. An extension of time to complete the Work does not entitle Contractor to additional compensation from County.
7. **Extension of Contract Term (Additional Time and Work):** Upon mutual agreement of the Parties, this Contract may be extended until the **Final End Date**. During any extended **Contract Term**, the terms of this Contract will remain in full force and effect, unless otherwise amended in writing by the Parties. Where the Contractor will provide additional services for additional compensation beyond the initial **Contract Amount**, the Parties must execute a written amendment before the then-current **Expiration Date**. If necessary, the written amendment will incorporate an updated Scope of Work and updated Fee Schedule as exhibits. Contractor must provide a current Certificate of Insurance to the County that complies with the **Insurance Requirements** of this Contract, if any, prior to any extended **Contract Term**.
8. **Schedule of Work:** County may designate the hours (on a daily or weekly basis) during which Contractor may perform the Work, strictly for the purposes of minimizing inconvenience to the County and interference with County operations. Contractor will otherwise set its own work schedule.

9. **Indemnity:** Contractor will be liable for any damages to persons or property caused by or arising out of the actions, obligations, or omissions of Contractor, its employees, agents, representatives or other persons acting under Contractor's direction or control in performing or failing to perform the Work under this Contract. Contractor will indemnify and hold harmless County, its elected officials and appointed department heads, and its employees, agents and representatives (the "indemnified parties"), from any and all liability, claims, demands, actions, damages, losses, judgments, costs or expenses, including attorneys' fees, which may be made or brought or which may result against any of the indemnified parties as a result or on account of the actions or omissions of Contractor, its employees, agents or representatives, or other persons acting under Contractor's direction or control. This indemnification obligation will extend to claims based on Contractor's unauthorized use or disclosure of confidential information and intellectual property infringement. County will not be obligated to indemnify or defend Contractor under any circumstances. Contractor's obligations under this provision shall survive expiration or termination of this Contract. Nothing contained in this Contract or the **Contract Documents** is intended to limit or restrict the indemnification rights or obligations of any Party under this provision, or damages available for breaches of the obligations herein.

10. **Nondiscrimination:** Contractor will comply with the Colorado Anti-Discrimination Act, C.R.S. § 24-34-401, et seq., as amended, and all applicable local, State and Federal laws concerning discrimination and unfair employment practices. County prohibits unlawful discrimination on the basis of race, color, religion, gender, gender identity, national origin, age 40 and over, disability, socio-economic status, sexual orientation, genetic information, or any other status protected by applicable Federal, State or local law. Contractor must require that its subcontractors, if any, similarly comply with all applicable laws concerning discrimination and unfair employment practices.

11. **Information and Reports:** Contractor will provide to authorized County, State, and Federal government representatives all information and reports that may be required for any purpose authorized by law. Contractor will permit access to such representatives to Contractor's facilities, books, records, accounts, and any other relevant sources of information. Where information required by a representative is in the exclusive possession of a person or entity other than Contractor, Contractor must so certify to the County and explain what efforts it has made to obtain the information.

12. **Independent Contractor:** Contractor is an independent contractor for all purposes in performing the Work. None of Contractor, its agents, personnel or subcontractors are employees of the County for any purpose, including the Federal Insurance Contribution Act, the Social Security Act, the Federal Unemployment Tax Act, the provisions of the Internal Revenue Code, the Colorado Workers' Compensation Act, the Colorado Unemployment Insurance Act, and the Public Employees Retirement Association. Accordingly, County will not withhold or pay any income tax, payroll tax, or retirement contribution of any kind on behalf of Contractor or Contractor's employees. As an independent contractor, Contractor is responsible for employing and directing such personnel and agents as it requires to perform the Work. Contractor will exercise complete authority over its personnel and agents and will be fully responsible for their actions.

13. **Termination**

a. **Breach:** Either Party's failure to perform any of its material obligations under this Contract, in whole or in part or in a timely or satisfactory manner, will be a breach. The institution of proceedings under any bankruptcy, insolvency, reorganization or similar law, by or against Contractor, or the appointment of a receiver or similar officer for Contractor or any of its property, which is not vacated or fully stayed within thirty (30) days after the institution of such proceeding, will also constitute a breach. In the event of a breach, the non-breaching Party may provide written notice of the breach to the other Party. If the breaching Party does not cure the breach, at its sole expense, as reasonably determined by the non-breaching Party in its sole discretion, within thirty (30) days after delivery of notice, the non-breaching Party may exercise any of its remedies provided under this Contract or at law, including immediate termination of this Contract.

b. **Non-Appropriation:** The other provisions of this Contract notwithstanding, County is prohibited by law from making commitments beyond the current fiscal year. Payment to Contractor beyond the current fiscal year is contingent on the appropriation and continuing availability of funding in any subsequent year. County has reason to believe that sufficient funds will be available for the full **Contract Term**. Where, however, funds are not allocated for any fiscal period beyond the current fiscal year, County may terminate this Contract without penalty by providing seven (7) days' written notice to Contractor.

c. Convenience: In addition to any other right to terminate under this Section 13, County may terminate this Contract, in whole or in part, for any or no reason, upon seven (7) days' advance written notice to Contractor.

14. Contractor Obligations upon Termination or Expiration: By the **Expiration Date** or effective date of termination, if earlier, Contractor must (1) remove from County property all of its personnel, equipment, supplies, trash and any hazards created by Contractor, (2) protect any serviceable materials belonging to the County, and (3) take any other action necessary to leave a safe and healthful worksite. Any items remaining on County property after the Expiration Date or the effective date of termination, if earlier, will be deemed abandoned by Contractor.

15. Payable Costs in Event of Early Termination: If County terminates this Contract before the **Expiration Date**, Contractor's payments (and any damages associated with any lawsuit brought by Contractor) are limited to only (1) payment for Work satisfactorily executed and fully and finally completed, as determined by County in its sole discretion, prior to delivery of the notice to terminate, and (2) the reasonable and actual costs Contractor incurred in connection with performing the Work prior to delivery of the notice to terminate. Contractor explicitly waives all claims it may have against the County for any other compensation, such as anticipatory profits or any other consequential, special, incidental, punitive or indirect damages.

16. Remedies for Non-Performance: If Contractor fails to perform any of its obligations under this Contract, County may, at its sole discretion, exercise one or more of the following remedies (in addition to any other remedies provided by law or in this Contract), which shall survive expiration or termination of this Contract:

a. Suspend Performance: County may require that Contractor suspend performance of all or any portion of the Work pending necessary corrective action specified by the County and without entitling Contractor to an increase in compensation or extension of the performance schedule. Contractor must promptly stop performance and incurring costs upon delivery of a notice of suspension by the County.

b. Withhold Payment Pending Corrections: County may permit Contractor to correct any rejected Work at the County's discretion. Upon County's request, Contractor must correct rejected work at Contractor's sole expense within the time frame established by the County. Upon full and final completion of the corrections satisfactory to the County, County will remit payment to Contractor.

c. Deny Payment: County may deny payment for any Work that does not comply with the requirements of the Contract or that Contractor otherwise fails to provide or fully and finally complete, as determined by the County in its sole discretion. Upon County request, Contractor will promptly refund any amounts prepaid by the County with respect to such non-compliant Work.

d. Removal: Upon County's request, Contractor will remove any of its employees or agents from performance of the Work, if County, in its sole discretion, deems any such person to be incompetent, careless, unsuitable, or otherwise unacceptable.

17. Binding Arbitration Prohibited: County does not agree to binding arbitration by any extra-judicial body or person.

18. Conflicts of Interest: Contractor may not engage in any business or personal activities or practices or maintain any relationships that conflict in any way with the full performance of Contractor's obligations.

19. Notices: All notices provided under this Contract must be in writing and sent by Certified U.S. Mail (Return Receipt Requested), electronic mail, or hand-delivery to the other Party's **Contact** at the address specified in the **Details Summary**. For certified mailings, notice periods will begin to run on the day after the postmarked date of mailing. For electronic mail or hand-delivery, notice periods will begin to run on the date of delivery.

20. Statutory Requirements: This Contract is subject to all statutory requirements that are or may become applicable to counties or political subdivisions of the State of Colorado generally, including but not limited to: C.R.S. § 38-26-107, which requires withholding funds where the County receives a claim for payment from a supplier or subcontractor of Contractor upon notice of final settlement (required for public works contracts that exceed \$150,000); C.R.S. § 8-17-101 et seq.; C.R.S. § 18-8-301, et seq.; and C.R.S. § 18-8-401, et seq.

21. No Suspension or Debarment: Contractor certifies, and warrants for the Contract Term, that neither it nor its principals nor any of its subcontractors are debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this Contract by any Federal or State department or agency. Contractor shall comply, and shall require its subcontractors to comply, with subpart C of 2 C.F.R. § 180.
22. Entire Agreement/Binding Effect/Amendments: This Contract represents the complete agreement between the Parties and is fully binding upon them and their successors, heirs, and assigns, if any. This Contract terminates any prior agreements, whether written or oral in whole or in part, between the Parties relating to the Work. This Contract may be amended only by a written agreement signed by both Parties.
23. Assignment/Subcontractors: This Contract may not be assigned or subcontracted by Contractor without the prior written consent of the County. If Contractor subcontracts any of its obligations under this Contract, Contractor will remain liable to the County for those obligations and will also be responsible for subcontractor's performance under, and compliance with, this Contract.
24. Governing Law/Venue: The laws of the State of Colorado govern the construction, interpretation, performance, and enforcement of this Contract. Any claim relating to this Contract or breach thereof may only be brought exclusively in the Courts of the 20<sup>th</sup> Judicial District of the State of Colorado and the applicable Colorado Appellate Courts.
25. Breach: The failure of either Party to exercise any of its rights under this Contract will not be deemed to be a waiver of such rights or a waiver of any breach of the Contract. All remedies available to a Party in this Contract are cumulative and in addition to every other remedy provided by law.
26. Severability: If any provision of this Contract becomes inoperable for any reason but the fundamental terms and conditions continue to be legal and enforceable, then the remainder of the Contract will continue to be operative and binding on the Parties.
27. Third-Party Beneficiary: Enforcement of the terms and conditions and all rights and obligations of this Contract are reserved to the Parties. Any other person receiving services or benefits under this Contract is an incidental beneficiary only and has no rights under this Contract. Notwithstanding, where the beneficiary **Department** is led by an Elected Official, such Elected Official shall be considered a third-party beneficiary.
28. Colorado Open Records Act: County may disclose any records that are subject to public release under the Colorado Open Records Act, C.R.S. § 24-72-200.1, et seq.
29. Conflict of Provisions: If there is any conflict between the terms of the main body of this Contract and the terms of any of the **Contract Documents**, the terms of the main body of the Contract will control.
30. Governmental Immunity: Nothing in this Contract shall be construed in any way to be a waiver of the County's immunity protection under the Colorado Governmental Immunity Act, C.R.S. § 24-10-101, et seq., as amended.
31. Representations and Warranties: Contractor represents and warrants the following:
- a. Execution of this Contract and performance thereof is within Contractor's duly authorized powers;
  - b. The individual executing this Contract is authorized to do so by Contractor;
  - c. Contractor is authorized to do business in the State of Colorado and is properly licensed by all necessary governmental and public and quasi-public authorities having jurisdiction over the Work and the Contractor; and
  - d. Contractor and its subcontractors, if any, are financially solvent, able to pay all debts as they mature, and have sufficient working capital to complete the Work and perform all obligations under the Contract.
32. Legal Compliance: Contractor assumes full responsibility for obtaining and maintaining any permits and licenses required to perform the Work. Contractor is solely responsible for ensuring that its performance under this Contract and the Work itself will comply with all Federal, State, and local laws, regulations, ordinances and codes.

County approval of the Work or any aspect of Contractor's performance, such as plans, designs, or other Contractor-drafted documents, shall not be interpreted to mean that Contractor has satisfied its obligations under this Section.

33. Litigation Reporting: Contractor is not currently involved in any action before a court or other administrative decision-making body that could affect Contractor's ability to perform the Work. Contractor will promptly notify the County if Contractor is served with a pleading or other document in connection with any such action.

34. Tax Exemption: County is exempt from payment of Federal, State, and local government taxes. Contractor shall collect no tax from the County, and the County shall not be liable to pay any taxes imposed on Contractor. County shall provide its tax exemption status information to Contractor upon request.

35. Delegation of Authority: The Parties acknowledge that the Board of County Commissioners has delegated authority to the Department Head or Elected Official that leads the beneficiary **Department** and their designees to act on behalf of the County under the terms of this Contract, including but not limited to the authority to terminate this Contract.

36. Ownership of Work Product: All work product, property, data, documentation, information or materials conceived, discovered, developed or created by Contractor pursuant to this Contract ("Work Product") will be owned exclusively by the County. To the extent possible, any Work Product will be deemed to be a work made for hire. Contractor unconditionally and irrevocably transfers and assigns to the County all right, title and interest in and to any Work Product.

37. Publicity Releases: Contractor will not refer to this Contract or the County in commercial advertising without prior written consent of the County. This provision shall survive expiration or termination of this Contract.

38. Execution by Counterparts; Electronic Signatures: This Contract may be executed in multiple counterparts, each of which will be deemed an original, but all of which will constitute one agreement. The Parties approve the use of electronic signatures, governed by the Uniform Electronic Transactions Act, C.R.S. §§ 24 71.3 101 to 121. The Parties will not deny the legal effect or enforceability of this Contract solely because it is in electronic form or because an electronic record was used in its creation. The Parties will not object to the admissibility of this Contract in the form of electronic record, or paper copy of an electronic document, or paper copy of a document bearing an electronic signature, because it is not in its original form or is not an original.

39. Limitation on Public Statements and Lobbying Activity. During the term of this Contract, Contractor may receive from the County its confidential data, work product, or other privileged or confidential information that is protected by law. To maintain the fact and appearance of absolute objectivity, Contractor shall not, without the prior written consent of the County, which shall not be unreasonably withheld, do any of the following: (a) disclose information obtained because of this contractual relationship to any third party; (b) lobby any State or Federal agency on any pending matter while this Contract is effective; or (c) make any public statements or appear at any time to give testimony at any public meeting on the subject matters regarding which Contractor is or was retained by the County. County may set reasonable conditions on any disclosure authorized by the County under this provision. Notwithstanding, Contractor may make disclosures as required by law, and to law enforcement officials in connection with any criminal justice investigation.

40. Sustainability: County encourages Contractor to consider the procurement and use of environmentally preferable products and services while performing services under this Contract. "Environmentally preferable purchasing" means making purchasing choices for products and services that have a lesser or reduced adverse effect on human health and the environment when compared with competing products and services that serve the same purpose. Environmentally preferable purchasing is consistent with the County's commitment to protecting our air, water, soil, and climate for current and future generations. County encourages Contractor to incorporate the following actions into Contractor's performance of the Work: environmentally preferable supplies and services; conservation of water; efficient energy use; waste prevention; reuse and recycle construction and de-construction materials in a manner that maximizes reuse of materials; sustainable transportation choices, including consideration to business communication software such as Skype alternative to air travel and public transit or carpooling for in-person meetings; pollution prevention; low toxicity for public health & safety; and reduced emissions to address climate change.

41. Limitation of Liability: COUNTY SHALL NOT BE LIABLE TO CONTRACTOR FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, PUNITIVE, OR INDIRECT DAMAGES ARISING FROM OR RELATING TO THIS CONTRACT, REGARDLESS OF ANY NOTICE OF THE POSSIBILITY OF SUCH DAMAGES. COUNTY'S AGGREGATE LIABILITY, IF ANY, ARISING FROM OR RELATED TO THIS CONTRACT, WHETHER IN CONTRACT, OR IN TORT, OR OTHERWISE, IS LIMITED TO, AND SHALL NOT EXCEED, THE AMOUNTS PAID OR PAYABLE HEREUNDER BY COUNTY TO CONTRACTOR. ANY CONTRACTUAL LANGUAGE LIMITING CONTRACTOR'S LIABILITY SHALL BE VOID.

42. Legal Interpretation. Each Party recognizes that this Contract is legally binding and acknowledges that it has had the opportunity to consult with legal counsel of its choice about this Contract. The rule of construction providing that any ambiguities are resolved against the drafting Party will not apply in interpreting the terms of this Contract.

**[Signature Page to Follow]**



IN WITNESS WHEREOF, the Parties have executed and entered into this Contract as of the latter day and year indicated below.

SIGNED for and on behalf of Boulder County		SIGNED for and on behalf of Contractor	
Signature:		Signature:	
Name:		Name:	
Title:		Title:	
Date:		Date:	
↓↓ <i>For Board-signed documents only</i> ↓↓			
Attest:		<i>Initials</i>	
Attestor Name:			
Attestor Title:			



# Architectural Supplemental Instructions

ASI-01

## Boulder County SE County Service Hub

DATE July 28, 2022

PROJECT Boulder County | Southeast County Service Hub  
1755 South Public Road  
Lafayette, CO 80026

TO Keith Emrick  
Project Manager  
Boulder County Building Services

**Provide the Work in accordance with the supplemental instructions described below. This is an order to proceed only if there is no change in the contract sum or construction schedule.**

DESCRIPTION Revised Electrical Drawings to reflect changes due to LEED requirements and at owner's request.

ATTACHMENTS E-003 | ELECTRICAL PANEL SCHEDULES  
E-005 | LUMINAIRE SCHEDULES  
E-111 | LEVEL 01 – LIGHTING FLOOR PLAN  
E-112 | LEVEL 02 LIGHTING FLOOR PLAN

ISSUED BY George Kincaid  
Architect | Project Manager  
studiotrope Design Collective  
geki@studiotrope.com

END ASI-01

PANEL HEM													
Location : ELEC. CL 120										NOTES:			
Supply From : 100A ATS										1.			
Mounting : SURFACE										NEMA: 1 2.			
Voltage Line-Line : 480										Phase: 3 3.			
Voltage Line-Ground : 277										Wires: 4 4.			
A.I.C Rating (A) : 14,000										Main Rating (A): 100 5.			
Main Type : MLO										MCB Rating (A): - 6.			
Notes	LOAD DESCRIPTION	SIZE (A)	POLES	VOLT-AMPS PER PHASE			SIZE (A)	POLES	LOAD DESCRIPTION	Notes			
				A	B	C							
	SPARE	20	1	0	1000		2	20	1	EMERGENCY LIGHTING			
	SPARE	20	1	0	1000		4	20	1	EMERGENCY LIGHTING			
	SPARE	20	1	0	0		6			SPACE			
	SPARE	20	1	0	0		8			SPACE			
	SPARE	20	1	0	0		10			SPACE			
	SPARE	20	1	0	0		12			SPACE			
	SPARE	20	1	0	0		14			SPACE			
	SPARE	20	1	0	0		16			SPACE			
	SPARE	20	1	0	0		18			SPACE			
	SPARE	20	1	0	0		20			SPACE			
	SPARE	20	1	0	0		22			SPACE			
	SPARE	20	1	0	0		24			SPACE			
	SPARE	20	1	0	0		26			SPACE			
	SPARE	20	1	0	0		28			SPACE			
	SPARE	20	1	0	0		30			SPACE			
	SPARE	20	1	0	0		32			SPACE			
	SPARE	20	1	0	0		34			SPACE			
	SPARE	20	1	0	0		36			SPACE			
	SPARE	20	1	0	0		38			SPACE			
	SPARE	20	1	0	0		40			SPACE			
	SPARE	20	1	0	0		42			SPACE			
Connected load per phase				1,000	1,000	0							
LOAD TYPE	FACTOR	CONNECTED (kVA)			DEMAND (kVA)			PANEL LEM			TOTAL DEMAND (kVA)		
Lighting load	1.25	1.0	1.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	2.5		
Receptacle load (10 kVA or less)	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Receptacle load over 10 kVA	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Largest motor	1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Other motors	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Miscellaneous	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Kitchen Equipment	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
TOTAL KVA		1.0	1.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	2.5		
Total kVA per phase (kVA)		1.3			1.3			0.0			Minimum Panel Ampacity	5 Amps	
Total amps per phase (A)		5			0								

PANEL MDP													
Location : (E)ELECTRICAL 119										NOTES:			
Supply From : (E)1600A SERVICE										1.			
Mounting : SURFACE										NEMA: 1 2.			
Voltage Line-Line : 480										Phase: 3 3.			
Voltage Line-Ground : 277										Wires: 4 4.			
A.I.C Rating (A) : 22,000										Main Rating (A): 1200 5.			
Main Type : MLO										MCB Rating (A): - 6.			
Notes	LOAD DESCRIPTION	SIZE (A)	POLES	VOLT-AMPS PER PHASE			SIZE (A)	POLES	LOAD DESCRIPTION	Notes			
				A	B	C							
	(E)PANEL 'H1'	600	3	1	44161	0	4	44161	0				
		--	--	--	3		4	--	--				
		--	--	--	5		6	--	--				
	ACC-1	150	3	7	45539	5080	8	200	3	PANEL 'H1'			
		--	--	--	9		10	--	--				
		--	--	--	11		12	--	--				
	SPARE	200	3	13	0	19002	14	100	3	PANEL 'L1A'			
		--	--	--	15		16	--	--	-VIA (E)75KVA XFMR			
		--	--	--	17		18	--	--				
	SPARE	200	3	19	0	18415	20	100	3	PANEL 'L1B'			
		--	--	--	21		22	--	--	-VIA (E)75KVA XFMR			
		--	--	--	23		24	--	--				
	SPARE	25	0	0	0	0	26	150	3	FUTURE PV SYSTEM			
	SPARE	27	0	0	0	0	28	--	--				
	SPARE	29	0	0	0	0	30	0	0				
	SPARE	31	0	0	47644		32	250	3	RTU-1			
	SPARE	33	0	0	0	47644	34	--	--				
	SPARE	35	0	0	0	47644	36	--	--				
	SPARE	37	0	0	0	0	38	--	--				
	SPARE	40	0	0	0	0	40	--	--				
	SPARE	41	0	0	0	0	42	--	--				
Connected load per phase				179,839	178,164	183,750							
LOAD TYPE	FACTOR	CONNECTED (kVA)			DEMAND (kVA)			ALL LOADS			TOTAL DEMAND (kVA)		
Lighting load	1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Receptacle load (10 kVA or less)	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Receptacle load over 10 kVA	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Largest motor	1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Other motors	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Miscellaneous	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Kitchen Equipment	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
TOTAL KVA		0.0	0.0	0.0	0.0	0.0	0.0	203.6	201.6	207.7	0.0		
Total kVA per phase (kVA)		203.6			201.6			207.7			Minimum Panel Ampacity	750 Amps	
Total amps per phase (A)		735			728			750					

PANEL H1													
Location : (E)ELEC ROOM 119										NOTES:			
Supply From : (E)MDC										1.			
Mounting : SURFACE										NEMA: 1 2.			
Voltage Line-Line : 480										Phase: 3 3.			
Voltage Line-Ground : 277										Wires: 4 4.			
A.I.C Rating (A) : 22,000										Main Rating (A): 200 5.			
Main Type : MLO										MCB Rating (A): - 6.			
Notes	LOAD DESCRIPTION	SIZE (A)	POLES	VOLT-AMPS PER PHASE			SIZE (A)	POLES	LOAD DESCRIPTION	Notes			
				A	B	C							
	SPARE	20	1	0	1500		2	20	1	GENERAL LIGHTING			
	SPARE	20	1	0	1500		4	20	1	GENERAL LIGHTING			
	SPARE	20	1	0	0		6	20	1	GENERAL LIGHTING			
	SPARE	20	1	0	1500		8	20	1	GENERAL LIGHTING			
	SPARE	20	1	0	0		10	20	1	SPARE			
	SPARE	20	1	0	0		12	20	1	LIGHTING CONTROL			
	SPARE	20	1	0	0		14	20	1	SPARE			
	SPARE	20	1	0	0		16	20	1	SPARE			
	SPARE	20	1	0	0		18	20	1	SPARE			
	SPARE	20	1	0	0		20	20	1	SPARE			
	SPARE	20	1	0	0		22	20	1	SPARE			
	SPARE	20	1	0	0		24	20	1	SPARE			
	SPARE	20	1	0	0		26	20	1	SPARE			
	SPARE	20	1	0	0		28	20	1	SPARE			
	SPARE	20	1	0	0		30	20	1	SPARE			
	SPARE	20	1	0	0		32	20	1	SPARE			
	SPARE	20	1	0	0		34	20	1	SPARE			
	SPARE	20	1	0	0		36	20	1	SPARE			
	P-3	20	3	37	1330	0	38	20	1	SPARE			
		--	--	--	39		40	20	1	SPARE			
		--	--	--	41		42	20	1	SPARE			
Connected load per phase				4,330	2,830	3,030							
LOAD TYPE	FACTOR	CONNECTED (kVA)			DEMAND (kVA)			ADD'L DEMAND			TOTAL DEMAND (kVA)		
Lighting load	1.25	3.0	1.5	1.5	3.8	1.9	1.9				7.5		
Receptacle load (10 kVA or less)	1.00	0.0	0.0	0.2	0.0	0.0	0.2				0.2		
Receptacle load over 10 kVA	0.50	0.0	0.0	0.0	0.0	0.0	0.0				0.0		
Largest motor	1.25	0.0	0.0	0.0	0.0	0.0	0.0				0.0		
Other motors	1.00	0.0	0.0	0.0	0.0	0.0	0.0				0.0		
Miscellaneous	1.00	0.0	0.0	0.0	0.0	0.0	0.0				0.0		
Kitchen Equipment	1.00	0.0	0.0	0.0	0.0	0.0	0.0				0.0		
TOTAL KVA		4.3	2.8	3.0	5.1	3.2	3.4				11.7		
Total kVA per phase (kVA)		5.1			3.2			3.4			Minimum Panel Ampacity	19 Amps	
Total amps per phase (A)		18			12			12					

PANEL L2A													
Location : (E)ELEC. ROOM 223										NOTES:			
Supply From : PANEL HH2										1.			
Mounting : SURFACE										NEMA: 1 2.			
Voltage Line-Line : 208										Phase: 3 3.			
Voltage Line-Ground : 120										Wires: 4 4.			
A.I.C Rating (A) : 10,000										Main Rating (A): 200 5.			
Main Type : MLO										MCB Rating (A): - 6.			
Notes	LOAD DESCRIPTION	SIZE (A)	POLES	VOLT-AMPS PER PHASE			SIZE (A)	POLES	LOAD DESCRIPTION	Notes			
				A	B	C							
	P-6	20	2	1	750	900	2	20	1	OPEN OFFICE 222			
		--	--	--	3		4	20	1	OPEN OFFICE 206			
	CU-1	15	2	5			728	1300	6	20	1	PRINTER	
		--	--	--	7		8	20	1	FOCUS 220/221			
	CU-2	15	2	9			10	20	1	HALLWAY			
		--	--	--	11		12	20	1	FOCUS 224/225			
	SERVICE RECEIPTS	20	1	13	540	900	14	20	1	OPEN OFFICE 226			
	SPARE	20	1	15	0	0	16	20	1	SPARE			
	CU-4	15	2	17			18	20	1	MEETING 227			
		--	--	--	19		20	20	1	BREAK AREA GFI			
	CU-5</												

LIGHTING CONTROL SCHEDULE											
APPLICABLE ENERGY CODE = 2015 IECC											
TYPE	SPACE DESCRIPTION	CONTROL		SENSOR	TIMING	DIMMING	DAYLIGHT	DAYLIGHT SETTINGS	EM	INTERFACE	NOTES
		ON	OFF								
LC0b	EXTERIOR - BUILDING MOUNTS	P	T		ON = DUSK OFF = DAWN		EXT		ALCR	N	1
LC1a	CORRIDOR	T	T		ON = 6:00 AM OFF = 8:00 PM	0-10V			ALCR	N	3
LC1b	STAIR - ENCLOSED (EXISTING LTG)	A	A	LI	5 MIN	0-10V					4
LC2a	LOBBY	T	T		ON=6:00AM OFF=8:00PM	0-10v	INT		ALCR	N	3
LC2b	RESTROOM - MULTI	A	A	C DT	20 MIN				ALCR		
LC2c	RESTROOM - SINGLE	A	A	SI	5 MIN						
LC3a	MECHANICAL, ELECTRICAL, IT SPACES	M	M								
LC3b	STORAGE - LARGE	M	A	C PIR	5 MIN						
LC3c	STORAGE - SMALL, JANITOR, ETC	M	A	SI	5 MIN						
LC4a	OFFICE - PRIVATE HHS VISITATION, HHS OBSERVATION, FRONT DESK	M	A	SI OR C DT	10 MIN	0-10V					
LC4b	OFFICE - OPEN OFFICE	T	T		ON=6:00AM OFF=8:00PM	0-10V			ALCR	N	3
LC4c	OFFICE - OPEN AREA W/ DAYLIGHTING OPEN OFFICE 226, FOCUS HOTELING 204	T	T		ON=6:00AM OFF=8:00PM	0-10V	INT	ON AT 30FC OFF AT 40FC	ALCR	N	3
LC4d	WORKSPACE, CARDIO, WORKOUT	M	A	C DT	15 MIN	0-10V					
LC5a	CONFERENCE, MEETING	M	A	C DT	10 MIN	0-10V					
LC5b	BREAK AREA	M	A	C DT	10 MIN	0-10V			ALCR		
LC5c	TRAINING ROOMS	M	A	C DT	10 MIN	0-10V			ALCR	AV	2
LC5d	LARGE MEETING ROOM W/ DAYLIGHTING	M	A	C DT	10 MIN	0-10V	INT	ON AT 30FC OFF AT 40FC		AV	2
LC5e	OPEN LOUNGE 134 W/ DAYLIGHTING	M	A	C DT	10 MIN	0-10V	INT	ON AT 30FC OFF AT 40FC			

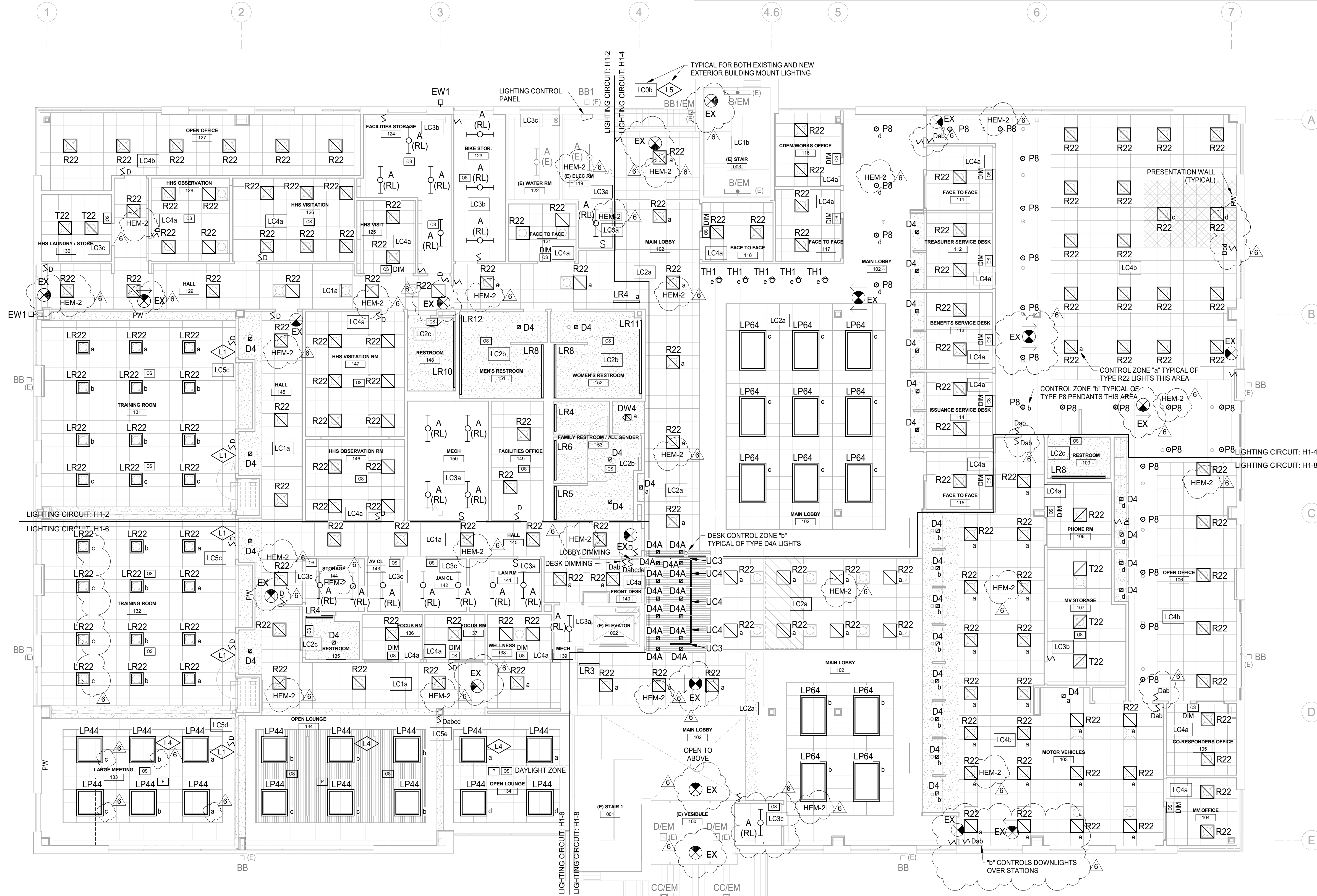
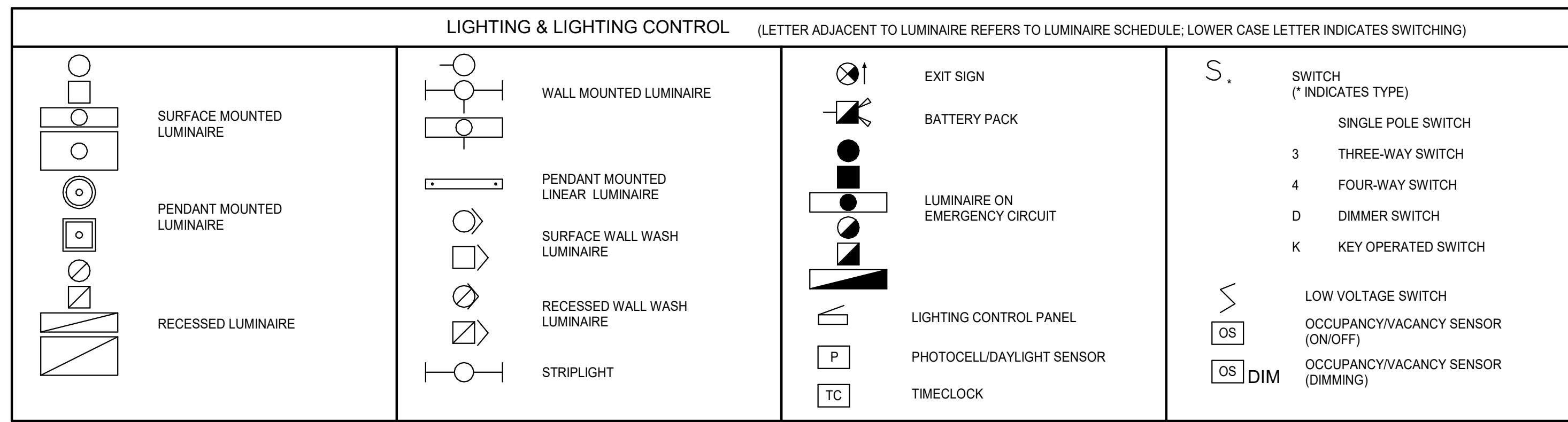
- GENERAL NOTES:**
- LIGHTING CONTROL SYSTEM SHALL BE WATTSTOPPER. NO SUBSTITUTIONS. PROVIDE ALL REQUIRED COMPONENTS, ACCESSORIES, AND CONNECTIONS TO ACCOMPLISH DESIGN INTENT, AND PROVIDE A COMPLETE AND OPERATIONAL LIGHTING CONTROL SYSTEM.
  - SUBMITTALS SHALL INCLUDE FLOOR PLANS SHOWING ALL DEVICE LAYOUTS, AS WELL AS WIRING DIAGRAMS, CUT SHEETS, ETC. INDICATE DAYLIGHT ZONES AND OVERRIDE SWITCH ZONES ON SHOP DRAWINGS. SHOP DRAWINGS SUBMITTED WITHOUT FLOOR PLAN LAYOUTS WILL BE RETURNED WITHOUT REVIEW.
  - PROVIDE ALL DEVICES AND ACCESSORIES FROM A SINGLE MANUFACTURER WHENEVER POSSIBLE.
  - NOT ALL SPACE NAMES MAY BE LISTED FOR EACH LIGHTING CONTROL TYPE. REFER TO PLANS FOR ALL SPACES TO BE CONTROLLED.
  - SPACES MAY CONTAIN MULTIPLE ZONES OF CONTROL. REFER TO PLANS FOR ADDITIONAL INFORMATION.
  - LOCATIONS OF OCCUPANCY AND DAYLIGHT SENSORS ON PLANS ARE DIAGRAMMATIC. FINAL LOCATION OF SENSORS SHALL BE PER MANUFACTURER'S SHOP DRAWINGS. MANUFACTURER SHALL REVIEW AND REVISE LOCATIONS AS REQUIRED FOR PROPOSED PRODUCTS. CONTRACTOR AND MANUFACTURER SHALL BE RESPONSIBLE TO RECONFIGURE AND ADJUST COMPONENTS IN FIELD WHERE CONTROL SYSTEM DESIGN INTENT IS NOT MET.
  - CONTRACTOR SHALL COORDINATE AND VERIFY DIMMING COMPATIBILITY OF THE PROPOSED CONTROLS AND LUMINAIRES TO ENSURE THAT LUMINAIRES CAN MEET THE SPECIFIED DIMMING RANGE. ALL LUMINAIRES SHALL BE CAPABLE OF DIMMING TO OFF.
  - PROVIDE CONTROL SYSTEM WITH 20% SPARE CAPACITY, RELAYS, ETC.
- NOTES:**
- BOTH EXISTING AND NEW BUILDING MOUNT EXTERIOR LIGHTING SHALL BE CONTROLLED BY LIGHTING CONTROL PANEL. EXTERIOR BUILDING MOUNT LIGHTING PROVIDES EGRESS LIGHTING.
  - PROVIDE INTEGRATED DIMMING CONTROL SYSTEM IN TRAINING ROOMS AND LARGE MEETING ROOM WITH TOUCHSCREEN CONTROL STATIONS IN EACH PARTITIONED SPACE AS INDICATED. SYSTEM SHALL BE CAPABLE OF AUTOMATIC COORDINATION OF LIGHTING CONTROL BASED UPON PARTITION SENSOR INPUT, AND AV INTEGRATION. EXTENT OF AV INTEGRATION TO BE DETERMINED.
  - PROVIDE QUANTITY OF OVERRIDE SWITCHES/DIMMING CONTROL SUCH THAT AREA CONTROLLED IS LESS THAN 5000 SF. CONTROL STATION SHALL PROVIDE FOR DIMMING CONTROL OF ZONES INDICATED AS WELL AS AFTER HOUR OVERRIDE CONTROL. COORDINATE LOCATION AND FUNCTION OF CONTROL STATION WITH OWNER PRIOR TO PROCUREMENT.
  - EXISTING LIGHTING AND INTEGRAL OCCUPANCY SENSOR CONTROL TO REMAIN IN EXISTING STAIR.

INTERIOR LUMINAIRE SCHEDULE											
ALL LED LAMPS TO BE 3500K COLOR TEMPERATURE AND MINIMUM 80CRI, UNLESS NOTED OTHERWISE.											
TYPE	LAMP		DIMMING	VOLT	FINISH	MOUNTING	DESCRIPTION	MFR	MODEL	VA	QTY
	LAMP	LUMENS									
A (E)	LED				UNV	SURFACE OR CHAIN	EXISTING (E) 4' LED STRIP LIGHT TO REMAIN				53
A (RL)	LED				UNV	SURFACE OR CHAIN	RELOCATED 4' LED STRIP LIGHT				53
B/E(M) (E)	LED				UNV	WALL	EXISTING (E) 4' LED LINEAR WALL MOUNT LIGHT TO REMAIN IN STAIRS, INTEGRAL OCCUPANCY SENSOR				50
D4	LED	764	1% 0-10V	UNV	SOFTGLOW CLEAR, WHITE FLANGE	RECESS	4" SQUARE LED DOWNLIGHT, 80 CRI, MEDIUM DISTRIBUTION	PRESCOLITE LITEISTRY (NO SUBSTITUTION)	LTR-4SQD-H-SL-06L-DM1 / LTR-4SQD-T-SL-35K-8-MD-VS-WT	8	40
D4A	LED	764	1% 0-10V	UNV	SOFTGLOW CLEAR, FLANGE COLOR TBD	RECESS	4" SQUARE LED SURFACE DOWNLIGHT, 80 CRI, WIDE DISTRIBUTION	PRESCOLITE LITEISTRY (NO SUBSTITUTION)	LTR-4SQD-H-SL-06L-DM1 / LTR-4SQD-T-SL-35K-8-WD-VS-TBD	8	14
D4W	LED	764	1% 0-10V	UNV	SOFTGLOW CLEAR, WHITE FLANGE	RECESS	4" SQUARE LED DOWNLIGHT, 80 CRI, MEDIUM DISTRIBUTION, WET LOCATION, SHOWER TRIM	PRESCOLITE LITEISTRY (NO SUBSTITUTION)	LTR-4SQD-H-SL-06L-DM1 / LTR-4SQD-T-SH-35K-8-MD-VS-WT-AML	8	5
D/E(M) (E)	LED				UNV	WHITE TRIM	EXISTING (E) 4" SQUARE LED DOWNLIGHT TO REMAIN, 3000K, (AT STAIR & VESTIBULE)				20
DS1	LED	2000	1% 0-10V	UNV	SURFACE FINISH TBD REFLECTOR FINISH TBD	SURFACE	2' 3" DIA x 3 1/32" H LED SURFACE DECORATIVE LIGHT, SATIN ACRYLIC GLASS DIFFUSER, DIRECT INDIRECT LIGHT DISTRIBUTION PROVIDE COLOR SAMPLE CHIPS TO ARCHITECT.	LIGHTART BEAM ME UP JR.	1M-X3-O-TBD-D-835-M-D700-TBD	29	4
DW4	LED	764	1% 0-10V	UNV	SOFTGLOW CLEAR, WHITE FLANGE	RECESS	4" SQUARE LED WALL WASH, LENSED	PRESCOLITE LITEISTRY (NO SUBSTITUTION)	LTR-4SQD-H-SL-6L-DM1 / LTR-4SQW-T-SL-35K-8-LWW-VS-WT	8	5
G (E)	LED				UNV	EXISTING	EXISTING (E) DECORATIVE PENDANT IN LOBBY				
LP44	LED	350L/FT UP, 350L/FT DOWN	1% 0-10V	UNV	WHITE	PENDANT, AC CABLES	4' x 4' SQUARE "RING" LED PENDANT, DIRECT AND INDIRECT OUTPUT, SPOTLESS LENS, ALUMINUM HOUSING	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	TB2DILEDPAT-S(4)-350-350-80-35-SO-W-UNV-DP-1-AC CABLE FROM STRUCTURE	96	16
LP64	LED	350L/FT UP, 350L/FT DOWN	1% 0-10V	UNV	WHITE	PENDANT, AC CABLES	4' x 6' RECTILINEAR "RING" LED PENDANT, DIRECT AND INDIRECT OUTPUT, SPOTLESS LENS, ALUMINUM HOUSING	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	TB2DILEDPAT-R(4X6)-350-350-80-35-SO-W-UNV-DP-1-AC CABLE FROM STRUCTURE	120	13
LR3	LED	500L/FT DOWN	1% 0-10V	UNV	WHITE	RECESS	3' LED RECESS LED LINEAR LIGHT, SPOTLESS LENS,	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	BRLED-500-90-35-XXX-SO-3-W-UNV-DP-1-AS REQUIRED	15	3
LR4	LED	500L/FT DOWN	1% 0-10V	UNV	WHITE	RECESS	SIMILAR TO LR3, WITH 4' L	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	BRLED-500-90-35-XXX-SO-4-W-UNV-DP-1-AS REQUIRED	20	6
LR5	LED	500L/FT DOWN	1% 0-10V	UNV	WHITE	RECESS	SIMILAR TO LR3, WITH 5' L	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	BRLED-500-90-35-XXX-SO-5-W-UNV-DP-1-AS REQUIRED	25	1
LR6	LED	500L/FT DOWN	1% 0-10V	UNV	WHITE	RECESS	SIMILAR TO LR3, WITH 6' L	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	BRLED-500-90-35-XXX-SO-6-W-UNV-DP-1-AS REQUIRED	30	1
LR8	LED	500L/FT DOWN	1% 0-10V	UNV	WHITE	RECESS	SIMILAR TO LR3, WITH 8' L	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	BRLED-500-90-35-XXX-SO-8-W-UNV-DP-1-AS REQUIRED	40	5
LR9	LED	500L/FT DOWN	1% 0-10V	UNV	WHITE	RECESS	SIMILAR TO LR3, WITH 9' L	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	BRLED-500-90-35-XXX-SO-9-W-UNV-DP-1-AS REQUIRED	45	2
LR10	LED	500L/FT DOWN	1% 0-10V	UNV	WHITE	RECESS	SIMILAR TO LR3, WITH 10' L	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	BRLED-500-90-35-XXX-SO-10-W-UNV-DP-1-AS REQUIRED	50	1
LR11	LED	500L/FT DOWN	1% 0-10V	UNV	WHITE	RECESS	SIMILAR TO LR3, WITH 11' L	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	BRLED-500-90-35-XXX-SO-11-W-UNV-DP-1-AS REQUIRED	55	1
LR12	LED	500L/FT DOWN	1% 0-10V	UNV	WHITE	RECESS	SIMILAR TO LR3, WITH 12' L	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	BRLED-500-90-35-XXX-SO-12-W-UNV-DP-1-AS REQUIRED	60	1
LR13	LED	500L/FT DOWN	1% 0-10V	UNV	WHITE	RECESS	SIMILAR TO LR3, WITH 13' L	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	BRLED-500-90-35-XXX-SO-13-W-UNV-DP-1-AS REQUIRED	65	1
LR14	LED	500L/FT DOWN	1% 0-10V	UNV	WHITE	RECESS	SIMILAR TO LR3, WITH 14' L	AXIS BEAM 2 PINNACLE EDGE (NO SUBSTITUTION)	BRLED-500-90-35-XXX-SO-14-W-UNV-DP-1-AS REQUIRED	70	1
LR22	LED	380L	1% 0-10V	UNV	WHITE	RECESS	2' x 2' RECESSED LED SQUARE "RING" SHAPE, EXTRUDED ALUMINUM HOUSING, CRYSTAL GLASS OPTICS	AXIS SKYEPOOL	SKPO-22-3800-80-35-FL-W-UNV-DP-1-AS REQUIRED	39	24
P2	LED	1044	1% 0-10V	120	TBD	PENDANT, AC CABLE	22" DIA x 11" H LED DECORATIVE PENDANT, 65% RECYCLED RESIN, INTEGRAL LED, FLOOD OPTICS (NOOKS)	3FORM LIGHTART COIL PENDANT D1	COL-COIL-PEND-D1-TBD-835CK-1000LM-FL-PCE-LV01-STD-TBD-TBD	9.5	3
P8	LED	700L UP / 1300L DN	1% 0-10V	UNV	WHITE	PENDANT, AC CABLES	6" DIA. UP/DOWN PENDANT MOUNT DECORATIVE CYLINDER, WHITE CORD	ALW INZA METEOR	I6RT-D-1-Z1-078335W-13833583DF-SW-WH	18	84
P24	LED	1044	1% 0-10V	120	TBD	PENDANT, AC CABLE	22" DIA x 11" H LED DECORATIVE PENDANT, 65% RECYCLED RESIN, INTEGRAL LED, FLOOD OPTICS (BREAK ROOM ISLAND)	3FORM LIGHTART COIL PENDANT D1	COL-COIL-PEND-D1-TBD-835CK-1000LM-FL-PCE-LV01-STD-TBD-TBD	9.5	3
R22	LED	~3500	1% 0-10V	UNV	WHITE	RECESS	2' x 2' LED, CENTER LENS, FROSTED POLYCARBONATE, INTEGRAL REFLECTOR, RECESS ARCHITECTURAL LIGHT, 0-10V DIMMABLE, FIELD ADJUSTABLE LIGHT OUTPUT - SET AT 29W, FIELD SELECTABLE, COLOR TEMP, 83CRI	RAB SWISH (NO SUBSTITUTION)	SWISHFA-2X2-D10	29	344
T22	LED	2420	1% 0-10V	UNV	WHITE	RECESS	2' x 2' LED FLAT PANEL,	METALUX FPS	22FPSL2SCT3	21.6	5
TH1	LED	1000	FORWARD OR REVERSE PHASE	120	WHITE	SURFACE, MONO-POINT	SMALL SCALE DECORATIVE LED TRACK HEAD ON EXTENDED WAND AND MONOPOINT MOUNTING, 2 SDCM BINNING	INTENSE IQ CONTECH LTG	IQ-L0-35-DIM-W-FL & -WF-MONO-LH56-PFL56 & PFL56-1-IP-B047NF	11	5
UC3	LED	195L/FT	0-10V	UNV	ANODIZED CHANNEL	SURFACE	3' LED UNDERCABINET LIGHT, SQUARE CHANNEL, FROSTED LENS	LEDI INSPIRE V5 SPEC 1.5	V5-SPEC-15-35-CONNECTORS & DRIVERS AS REQUIRED-CH1-SQ-CH1-LENS-STFR	4.5	3
UC4	LED	195L/FT	0-10V	UNV	ANODIZED CHANNEL	SURFACE	SIMILAR TO UC3, WITH 4' LENGTH	LEDI INSPIRE V5 SPEC 1.6	V5-SPEC-15-35-CONNECTORS & DRIVERS AS REQUIRED-CH1-SQ-CH1-LENS-STFR	6	3

- GENERAL NOTES:**
- ALL CRITERIA LISTED IN THE DESCRIPTION SHALL BE PROVIDED. MODEL NUMBER MAY NOT REPRESENT THE COMPLETE MODEL NUMBER.
  - MODEL NUMBER REPRESENTS THE PRODUCT FROM THE FIRST MANUFACTURER LISTED. ALTERNATE MANUFACTURERS ARE LISTED AS BEING ABLE TO PROVIDE EQUIVALENT PRODUCTS. EQUIVALENT PRODUCTS MUST MEET THE CRITERIA LISTED IN THE DESCRIPTION AND THE MODEL NUMBER.
  - PROVIDE ALL COMPONENTS (INTEGRAL/REMOTE DRIVER, MOUNTING HARDWARE, LENSES, END CAPS, CABLES, ETC) NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM.
  - CONFIRM CEILING TYPES AND VERIFY TRIM COMPATIBILITY PRIOR TO SUBMITTALS.
  - VERIFY FINAL LUMINAIRE FINISH SELECTIONS WITH ARCHITECT PRIOR TO ORDERING. FINISH SHALL BE SELECTED FROM MANUFACTURER'S STANDARD FINISHES UNLESS NOTED OTHERWISE.
  - VERIFY FINAL LUMINAIRE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ORDERING.



ABBREVIATIONS			
+4'-6"	MOUNTING HEIGHT AFF	(R)	RELOCATED
A	AMPS	(RR)	REMOVE & RELOCATE
AFCI	ARC FAULT CIRCUIT INTERRUPTER	SPD	SURGE PROTECTIVE DEVICE
AFB	ABOVE FINISHED FLOOR	ST	SHUNT TRIP
AFG	ABOVE GRADE	TR	TAMPER RESISTANT
AF	AMP FRAME	TTB	TELEPHONE TERMINAL BOARD
AT	AMP TRIP	UC	UNDER CABINET
C	CONDUIT	UF	UNDER FLOOR
CT	CURRENT TRANSFORMER	UG	UNDER GROUND
D	DEDICATED	UON	UNLESS OTHERWISE NOTED
(E)	EXISTING	V	VOLTS
EC	ELECTRICAL CONTRACTOR	WP	WEATHERPROOF
EM	EMERGENCY	WR	WEATHER RESISTANT
EPO	EMERGENCY POWER OFF		
EWC	ELECTRIC WATER COOLER		
F	FUSE OR FIRE		
G	GROUND		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER		
KV	KILOVOLT		
KVA	KILOVOLT-AMPERE		
KW	KILOWATT		
MC	MECHANICAL CONTRACTOR		
N	NEUTRAL		
(N)	NEW		
NIC	NOT IN CONTRACT		
Ø OR PH	PHASE		



#	WORK NOTES
L1	PROVIDE TOUCHSCREEN CONTROL STATION FOR DIMMING CONTROL SYSTEM IN PARTITIONED TRAINING ROOMS AND LARGE MEETING ROOM. REFERENCE LIGHTING CONTROL MATRIX FOR ADDITIONAL INFORMATION.
L2	EXISTING ENTRY CHANDELIER SHALL BE CONTROL WITH THE FIRST FLOOR LOBBY LIGHTING CONTROL ZONE.
L3	MAKE ADJUSTMENT OR REPAIR EXISTING DOWNLIGHTS AT STAIR SO THAT TRIMS ARE INSTALLED FLUSH TO CEILING.
L4	MOUNT BOTTOM OF PENDANT LEVEL WITH BOTTOM OF CEILING IN THIS AREA.
L5	ALL EXISTING BUILDING MOUNT LIGHTING TYPE BB, BB1, BB1/EM, AND CCEM, ALONG WITH NEW TYPE EW1 BUILDING MOUNT LIGHTING SHALL BE CONTROLLED AS ONE ZONE BY THE NEW LIGHTING CONTROL PANEL. EXISTING TIMECLOCK AND PHOTOCELL SHALL BE MAINTAIN FOR OTHER EXISTING EXTERIOR LIGHTING. UTILIZE EXISTING PHOTOCELL AS INPUT TO NEW LIGHTING CONTROL PANEL IF POSSIBLE, OR PROVIDE NEW.

GENERAL NOTES:

- ALL FIXTURES ON FIRST LEVEL WITH LABEL "EM" SHALL BE FED BY PANEL "HEM" CIRCUIT
- ALL FIXTURES ON SECOND LEVEL WITH LABEL "EM" SHALL BE FED BY PANEL "HEM" CIRCUIT 4.
- ALL EXIT SIGNS SHALL BE FED BY PANEL "HEM" CIRCUIT 6.
- LUMINAIRES SHALL BE CONNECTED TO THE CIRCUITS AS SHOWN ON THE LIGHTING CIRCUIT GRID AS SHOWN ON PLANS UNLESS OTHERWISE NOTED.



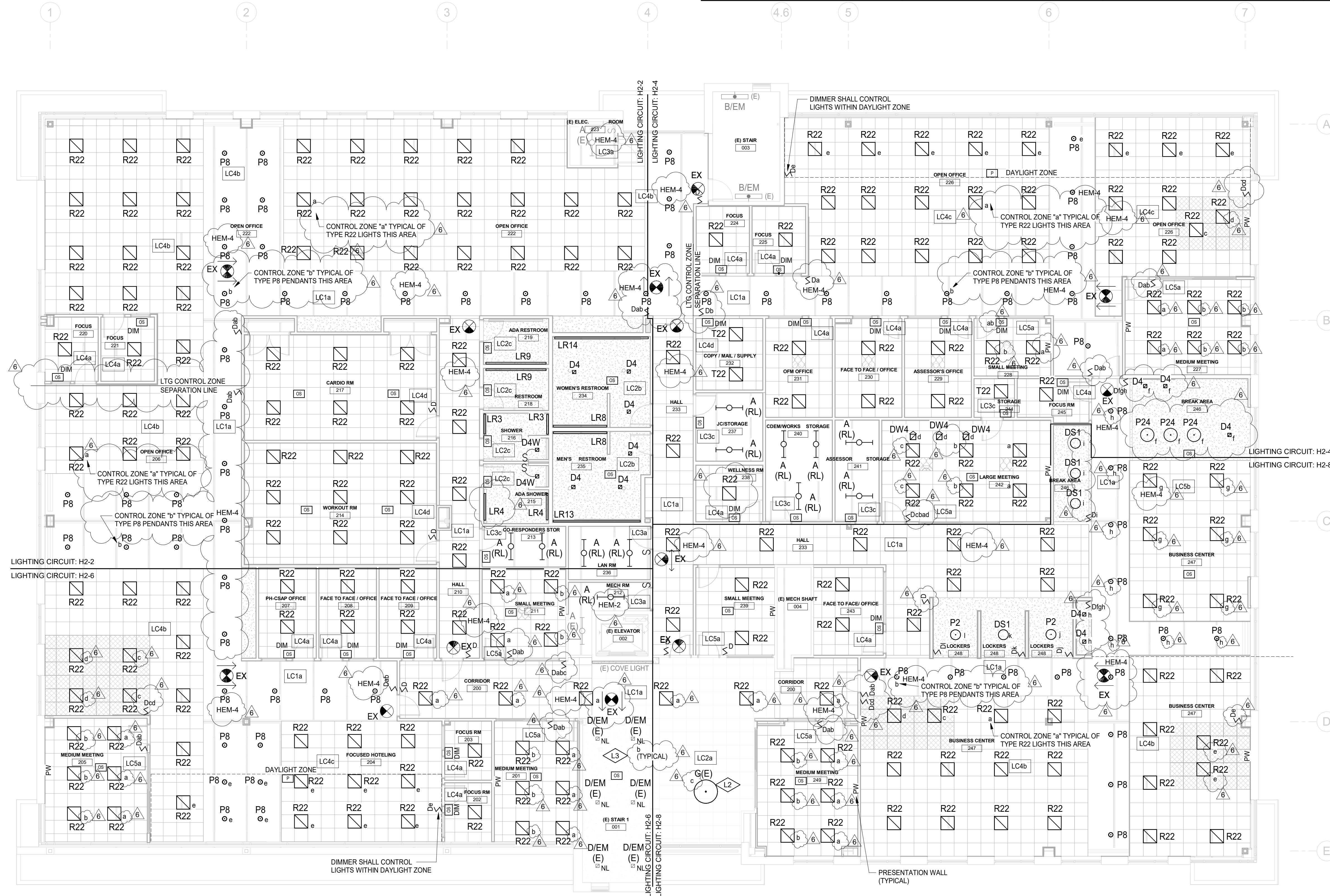
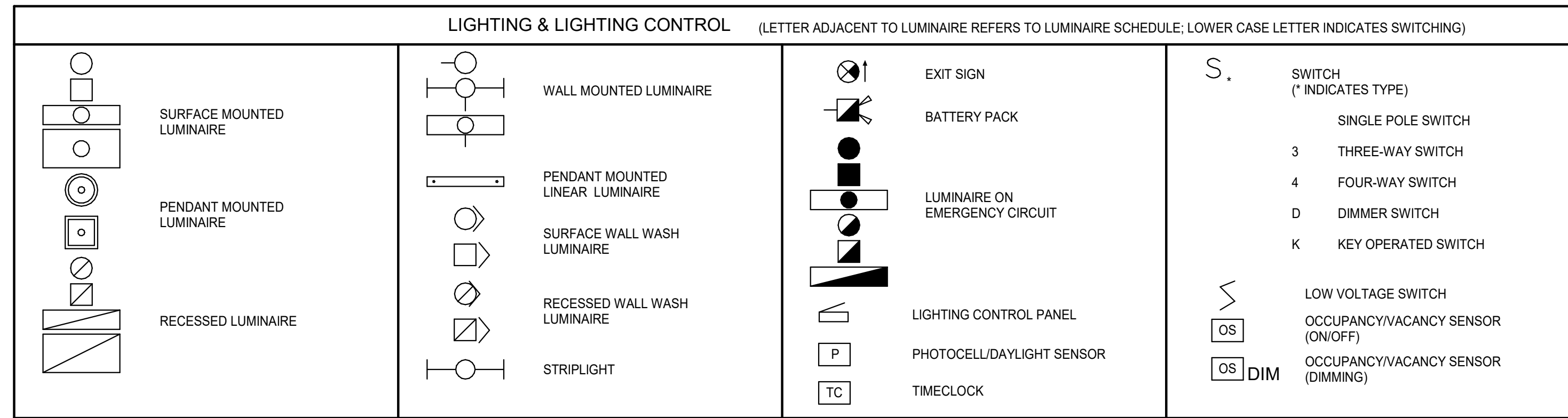
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04/20/22	PLAN REVIEW COMMENTS
05/20/22	RFI #10
05/24/22	PLAN REVIEW COMMENTS
07/29/22	ASI-1

1 LEVEL 01 - LIGHTING FLOOR PLAN  
N.T.S.



NORTH

ABBREVIATIONS		
+4'-6"	MOUNTING HEIGHT AFF	EPO EMERGENCY POWER OFF
A	AMPS	EWC ELECTRIC WATER COOLER
AFCI	ARC FAULT CIRCUIT INTERRUPTER	F FUSE OR FIRE
AFF	ABOVE FINISHED FLOOR	G GROUND
AFG	ABOVE FINISHED GRADE	GFCI GROUND FAULT CIRCUIT INTERRUPTER
AF	AMP FRAME	KV KILOVOLT
AT	AMP TRIP	KVA KILOVOLT-AMPERE
C	CONDUIT	KW KILOWATT
CT	CURRENT TRANSFORMER	MC MECHANICAL CONTRACTOR
D	DEDICATED	N NEUTRAL
(E)	EXISTING	(N) NEW
EC	ELECTRICAL CONTRACTOR	(NIC) NOT IN CONTRACT
EM	EMERGENCY	Ø OR PH PHASE
		(R) RELOCATED
		(RR) REMOVE & RELOCATE
		SPD SURGE PROTECTIVE DEVICE
		ST SHUNT TRIP
		TR TAMPER RESISTANT
		TTB TELEPHONE TERMINAL BOARD
		UC UNDER CABINET
		UF UNDER FLOOR
		UG UNDER GROUND
		UON UNLESS OTHERWISE NOTED
		V VOLTS
		WP WEATHERPROOF
		WR WEATHER RESISTANT



#	WORK NOTES
1	PROVIDE TOUCHSCREEN CONTROL STATION FOR DIMMING CONTROL SYSTEM IN PARTITIONED TRAINING ROOMS AND LARGE MEETING ROOM. REFERENCE LIGHTING CONTROL MATRIX FOR ADDITIONAL INFORMATION.
L2	EXISTING ENTRY CHANDELIER SHALL BE CONTROL WITH THE FIRST FLOOR LOBBY LIGHTING CONTROL ZONE.
L3	MAKE ADJUSTMENT OR REPAIR EXISTING DOWNLIGHTS AT STAIR SO THAT TRIMS ARE INSTALLED FLUSH TO CEILING.
L4	MOUNT BOTTOM OF PENDANT LEVEL WITH BOTTOM OF CEILING IN THIS AREA.
L5	ALL EXISTING BUILDING MOUNT LIGHTING TYPE BB, BB1, BB1/EM, AND CO/EM, ALONG WITH NEW TYPE EW1 BUILDING MOUNT LIGHTING SHALL BE CONTROLLED AS ONE ZONE BY THE NEW LIGHTING CONTROL PANEL. EXISTING TIMECLOCK AND PHOTOCELL SHALL BE MAINTAIN FOR OTHER EXISTING EXTERIOR LIGHTING. UTILIZE EXISTING PHOTOCELL AS INPUT TO NEW LIGHTING CONTROL PANEL IF POSSIBLE, OR PROVIDE NEW.

**GENERAL NOTES:**

- ALL FIXTURES ON FIRST LEVEL WITH LABEL "EM" SHALL BE FED BY PANEL "HEM" CIRCUIT 2. ALL FIXTURES ON SECOND LEVEL WITH LABEL "EM" SHALL BE FED BY PANEL "HEM" CIRCUIT 4.
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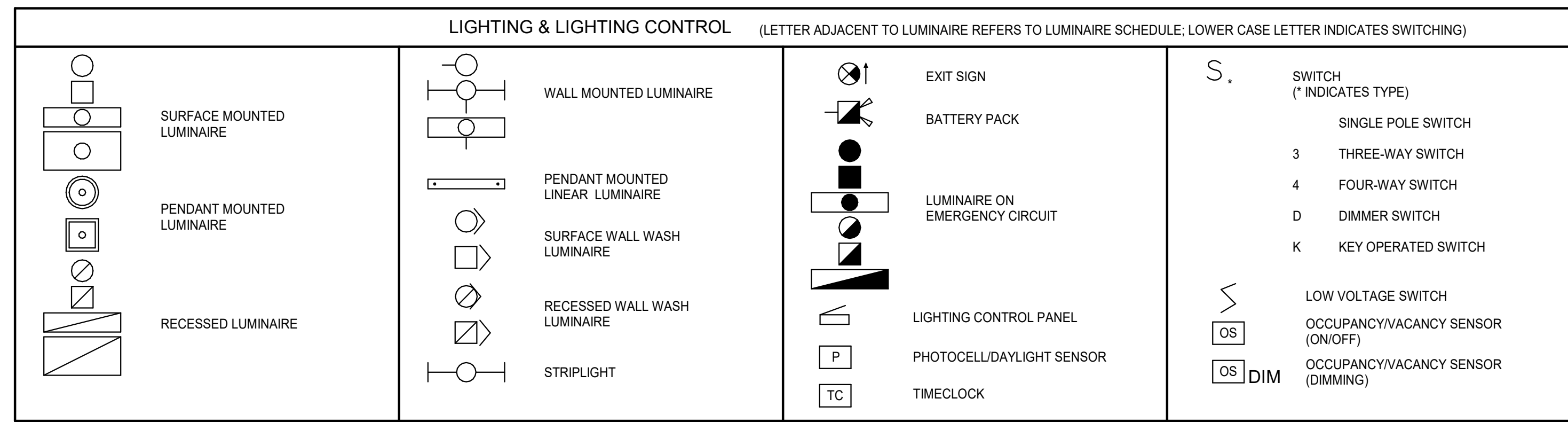


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ABBREVIATIONS			
+4'-6"	MOUNTING HEIGHT AFF	EPO	EMERGENCY POWER OFF
A	AMPS	EWC	ELECTRIC WATER COOLER
AFCI	ARC FAULT CIRCUIT INTERRUPTER	F	FUSE OR FIRE
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D	DEDICATED	N	NEUTRAL
(E)	EXISTING	(N)	NEW
EC	ELECTRICAL CONTRACTOR	NIC	NOT IN CONTRACT
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(R)	RELOCATED	(RR)	REMOVE & RELOCATE
(RR)	REMOVE & RELOCATE	SPD	SURGE PROTECTIVE DEVICE
SPD	SURGE PROTECTIVE DEVICE	ST	SHUNT TRIP
ST	SHUNT TRIP	TR	TAMPER RESISTANT
TR	TAMPER RESISTANT	TTB	TELEPHONE TERMINAL BOARD
TTB	TELEPHONE TERMINAL BOARD	UC	UNDER CABINET
UC	UNDER CABINET	UF	UNDER FLOOR
UF	UNDER FLOOR	UG	UNDER GROUND
UG	UNDER GROUND	UON	UNLESS OTHERWISE NOTED
UON	UNLESS OTHERWISE NOTED	V	VOLTS
V	VOLTS	WP	WEATHERPROOF
WP	WEATHERPROOF	WR	WEATHER RESISTANT
WR	WEATHER RESISTANT		



#	WORK NOTES
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2 05/20/22	RFI #10
3 05/24/22	PLAN REVIEW COMMENTS
6 07/29/22	ASI-1



1 LEVEL 01 - LIGHTING FLOOR PLAN  
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PROJECT NO: 2007

ISSUE DATE	PHASE / REV NAME
04/20/22	PLAN REVIEW COMMENTS
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**ABBREVIATIONS**

+4'-6"	MOUNTING HEIGHT AFF	EPO	EMERGENCY POWER OFF	(R)	RELOCATED
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CT	CURRENT TRANSFORMER	MC	MECHANICAL CONTRACTOR	UG	UNDER GROUND
D	DEDICATED	N	NEUTRAL	UON	UNLESS OTHERWISE NOTED
(E)	EXISTING	(N)	NEW	V	VOLTS
EC	ELECTRICAL CONTRACTOR	(NIC)	NOT IN CONTRACT	WP	WEATHERPROOF
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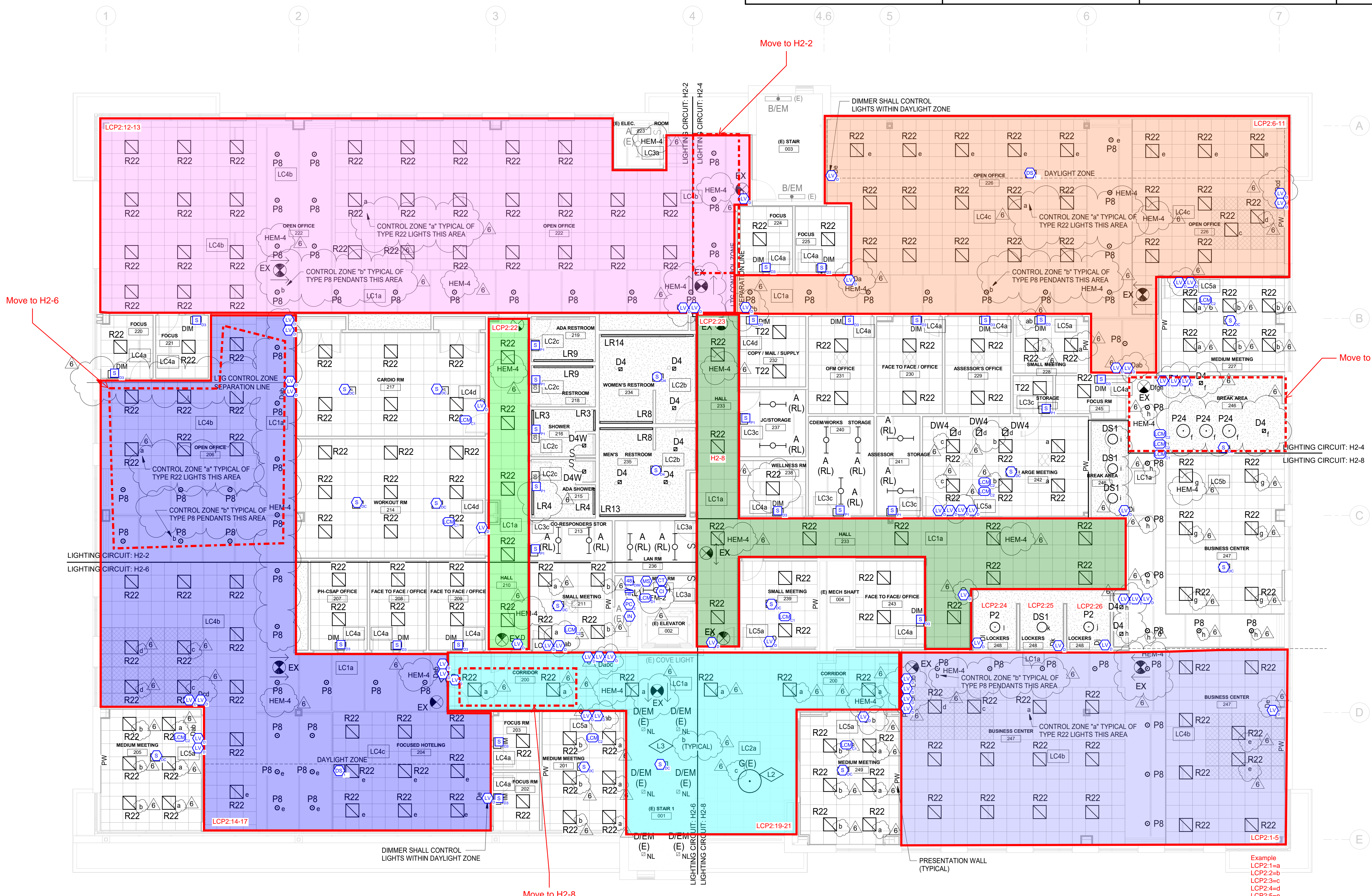
**LIGHTING & LIGHTING CONTROL** (LETTER ADJACENT TO LUMINAIRE REFERS TO LUMINAIRE SCHEDULE; LOWER CASE LETTER INDICATES SWITCHING)

	SURFACE MOUNTED LUMINAIRE		WALL MOUNTED LUMINAIRE		EXIT SIGN		SWITCH (* INDICATES TYPE)
	PENDANT MOUNTED LUMINAIRE		PENDANT MOUNTED LINEAR LUMINAIRE		BATTERY PACK		SINGLE POLE SWITCH
	RECESSED LUMINAIRE		SURFACE WALL WASH LUMINAIRE		LUMINAIRE ON EMERGENCY CIRCUIT		THREE-WAY SWITCH
			RECESSED WALL WASH LUMINAIRE		LUMINAIRE ON EMERGENCY CIRCUIT		FOUR-WAY SWITCH
			STRIPLIGHT		LIGHTING CONTROL PANEL		DIMMER SWITCH
					PHOTOCELL/DAYLIGHT SENSOR		KEY OPERATED SWITCH
					TIMECLOCK		LOW VOLTAGE SWITCH
							OCCUPANCY/VACANCY SENSOR (ON/OFF)
							OCCUPANCY/VACANCY SENSOR (DIMMING)

**WORK NOTES**

#	WORK NOTES
1	
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1 LEVEL 02 - LIGHTING FLOOR PLAN  
N.T.S.



LEVEL 02 - LIGHTING FLOOR PLAN

# E-112