

purchasing@bouldercounty.org

INVITATION TO BID COVER PAGE

BID Number:	7341-22
BID Title:	SE County Hub Aluminum Framed Storefronts and Glazing
BID Questions Due:	May 2, 2022 – 2:00 p.m.
Submittal Due Date:	May 11, 2022 – 2:00 p.m.
Email Address:	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 Specifications Drawings



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INSTRUCTIONS

1. Purpose/Background

Boulder County Public Works, Building Services Division, is seeking proposals to furnish and install the replacement exterior aluminum framed storefront units as well as provide and install new interior glazing at the Boulder County SE County Hub located at 1755 S. Public Road in Lafayette, CO. The building is a completed core and shell and Boulder County is now completing the interior finishes. Work for this scope is expected to begin second quarter of 2022.

2. Written Inquiries

All inquiries regarding this BID will be submitted via email to the Boulder County Purchasing Office at purchasing@bouldercounty.org on or before 2:00 p.m. May 2, 2022. A response from the county to all inquiries will be posted and sent via email no later than May 5, 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 <u>only</u>, listed below, for time and date recording on or before **2:00 p.m. Mountain Time on May 11, 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.

<u>Please note that email responses to this solicitation are limited to a maximum of 50MB capacity.</u>

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 <u>purchasing@bouldercounty.org</u>; identified as **BID** # **7341-22** 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.

<u>Americans with Disabilities Act (ADA):</u> 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

- 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 will be clearly stated in the bid and contract itself. Confidential/proprietary information must be readily identified, marked and separated/packaged from the rest of the bid. Co-mingling of confidential/proprietary and other information is NOT acceptable. Bids that do not properly 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/.
- 13. Bid Security: Boulder County may require, at its discretion, bid security for construction contracts when the price is expected to exceed \$50,000 and for any other contracts as determined by Boulder County to be in its best interest. Bid security provides assurance to Boulder County that the bidder will, upon award, fulfill its bonding and contracting obligations as required by the instructions to bidders. When bid security is required, as indicated in the instructions to bidders, the following terms apply:
 - Bid security must be for an amount equal to 5 percent of the amount bid, unless otherwise stipulated in the instructions to bidders.
 - Bid security must be in the form of a bond, issued by a surety company authorized to do business in Colorado, or a bank cashier's check made payable to Boulder County.

- Bidders should scan and submit a copy of the bid security instrument with their bid submittal AND mail to Boulder County the actual bid security instrument, postmarked no later than the date of the bid deadline.
- Bidder noncompliance with bid security requirements requires that the bid be rejected as nonresponsive.
- The bid security is submitted as a guarantee that the bid will be maintained in full force and effect for a period of thirty (30) days after the opening of the bids. Accordingly, after bids are opened, they shall be irrevocable for a period of thirty (30) days.
- If a bidder is permitted to withdraw his bid before award, at Boulder County's sole discretion, no action shall be had against the bidder or the bid security.
- Following award, if a contractor fails to deliver the required performance and payment bonds or refuses to enter into a contract with Boulder County under the terms of its winning bid, the contractor's bid shall be rejected and its bid security will be enforced by Boulder County to the extent of actual damages.



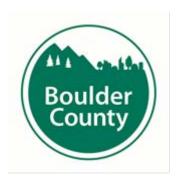
purchasing@bouldercounty.org

SPECIFICATIONS

This bid request is for each/all of the following:

- 1. The replacement of existing exterior glazing units and mullions with new aluminum framed storefront units, including door hardware, located at the North, East and South sides of the building. Includes removal of existing units.
- 2. New interior aluminum framed storefront units.
- 3. Furnish and installation of interior window glazing, transaction window glazing in as shown in the bid documents. **Note:** the light gauge metal frames for interior windows will be supplied and installed by others.
- 4. One glazed aluminum sliding wall panel system (Spec Section 08 4329).

Installations should be complete, including all fasteners and sealants as required. The exterior storefronts are expected to install late second quarter of 2022 and all interior glazing will install by December 2022. All card access components are supplied and installed by Boulder County.



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INSURANCE AND W-9 REQUIREMENTS

PAYMENT & PERFORMANCE BONDS

Both a payment and a performance bond are required for this project and must each equal 100% of the proposed cost. Please include the cost of this bonding into the total proposed cost.

INSURANCE REQUIREMENTS

Commercial General Liability

This coverage should be provided on an Occurrence Form, ISO CG001 or equivalent, with Minimum limits of \$1,000,000 Each Occurrence, \$2,000,000 General Aggregate and \$2,000,000 Products Completed Operations Aggregate.

Automobile Liability

Bodily Injury and Property Damage for any owned, hired, and non-owned vehicles used in the performance of the Contract. Minimum limits \$1,000,000 Each Accident.

Workers' Compensation and Employer's Liability

Workers' Compensation must be maintained with the statutory limits. Employer's Liability is required for minimum limits of \$100,000 Each Accident/\$500,000 Disease-Policy Limit/\$100,000 Disease-Each Employee.

Umbrella / Excess Insurance

Umbrella/Excess Liability insurance in the amount \$3,000,000.00, following form.

Boulder County as Additional Insured: Boulder County shall be named as an additional insured for General Liability, Umbrella/Excess Liability, and Pollution Liability, as designated in this Contract. Additional insured shall be endorsed to the policy.

THE ADDITIONAL INSURED WORDING SHOULD BE AS FOLLOWS: County of Boulder, State of Colorado, a body corporate and politic, is named as Additional Insureds.

In regards to General Liability, Umbrella/Excess Liability, and Pollution Liability: If any or all of these coverages are required above, additional insured status will be required at the time a contract is executed.

Note that the above insurance amounts are the minimum required for this project. Proof of current insurance must be provided with your proposal in the form of a sample certificate. You are NOT required to include additional insured status until the time a contract is executed.

If you require a waiver of insurance requirements you may request one in your response with an explanation.

W-9 REQUIREMENT

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



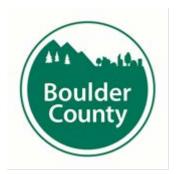
purchasing@bouldercounty.org

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
	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.
	Insurance Certificate
	W-9
	Signature Page
	Addendum Acknowledgement(s) (If Applicable)



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BID TAB

Provide a price for one and/or each item as listed below. Any alternates should be noted next to the Item below and any additional information shall be attached, following this page, reviewing the alternate pricing. Work shall be awarded based on the most responsible Bid that best satisfies the requirements of the project, not necessarily on the lowest price. Boulder County reserves the right to make the award on the basis of the Bid deemed most favorable to the County, to waive any informalities, or to reject any or all Bids.

All work described in the Drawings, Specifications and Ad	idenda for	this project:	
ITEM #1: All Aluminum Framed Storefronts and Associate	ed Hardwar	e, Interior Glazing:	
	dollars	(\$)
ITEM #2: Glazed Aluminum Sliding Wall Panel System:			
	dollars	(\$)

Alternates: Provide a separate page for any proposed alternates, with description of alternate and impact to cost or timing of work.



Contact Information

Boulder County Purchasing 1325 Pearl Street Boulder, CO 80302

purchasing@bouldercounty.org

SIGNATURE PAGE

Response

Signature of Person Authorized to Bid on Company's Behalf	
By signing below I certify that: I am authorized to bid on my company' I am not currently an employee of Boul None of my employees or agents is curr I am not related to any Boulder County (Sole Proprietorships Only) I am not a P	der County. rently an employee of Boulder County.
Company Phone Number	
Company Address	
Authorized to Contract with Boulder County	
Name, Title, and Email Address of Person	
List Type of Organization (Corporation, Partnership, etc.)	
Company Name including DBA	

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. <u>Incorporation into Contract</u>: 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. <u>Work to be Performed</u>: 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. <u>Term of Contract</u>: 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. <u>Payment for Work Performed:</u> 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. <u>Invoicing</u>: 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. <u>Extra Time to Complete the Work (Additional Time only)</u>: 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. <u>Extension of Contract Term (Additional Time and Work)</u>: 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. <u>Schedule of Work:</u> 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. <u>Nondiscrimination</u>: Contractor will comply with the Colorado Anti-Discrimination Act, C.R.S. § 24-34-401, <u>et seq.</u>, 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. <u>Information and Reports</u>: 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. <u>Independent Contractor</u>: 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. <u>Termination</u>

- a. <u>Breach</u>: 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. <u>Non-Appropriation</u>: 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. <u>Convenience</u>: 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. <u>Contractor Obligations upon Termination or Expiration</u>: 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. <u>Remedies for Non-Performance</u>: 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. <u>Suspend Performance</u>: 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. <u>Withhold Payment Pending Corrections</u>: 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. <u>Deny Payment</u>: 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. <u>Removal</u>: 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. <u>Binding Arbitration Prohibited</u>: County does not agree to binding arbitration by any extra-judicial body or person.
- 18. <u>Conflicts of Interest</u>: 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. <u>Notices</u>: 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. <u>Statutory Requirements</u>: 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 <u>et seq</u>.; C.R.S. § 18-8-301, <u>et seq</u>.; and C.R.S. § 18-8-401, <u>et seq</u>.
- 21. Public Contracts for Services (C.R.S. §§ 8-17.5-101, et seq.): The phrase "unauthorized worker" as used in this provision shall have the same and intended meaning as "illegal alien" as such phrase is used in C.R.S. §§ 8-17.5-101, et seq. Contractor hereby certifies, warrants, and agrees that it does not knowingly employ or contract with an unauthorized worker who will perform work under this Contract and further certifies that it will confirm the employment eligibility of all employees who are newly hired for employment to perform work under this Contract by participating in the E-Verify Program established under Pub. L. 104-28 or the department verification program established under C.R.S. § 8-17.5-102(5)(c). Contractor (i) shall not knowingly employ or contract with an unauthorized worker to perform work under this Contract; (ii) shall not enter into a contract with a subcontractor that fails to certify to the contractor that the subcontractor shall not knowingly employ or contract with an unauthorized worker to perform work under this Contract; (iii) has confirmed the employment eligibility of all employees who are newly hired for employment to perform work under this Contract through participation in the E-Verify program or department program; (iv) is prohibited from using either the E-Verify program or department program procedures to undertake preemployment screening of job applicants while this Contract is being performed; and (v) shall comply with any reasonable request by the department made in the course of an investigation that the Colorado Department of Labor and Employment is undertaking pursuant to the authority established in C.R.S. § 8-17.5-102(5). If Contractor obtains actual knowledge that a subcontractor performing work under this Contract knowingly employs or contracts with an unauthorized worker, Contractor shall (a) notify the subcontractor and County within three (3) days that Contractor has actual knowledge that subcontractor is employing or contracting with an unauthorized worker; and (b) terminate the subcontract if, within three (3) days of receiving notice hereunder, subcontractor does not stop

employing or contracting with the unauthorized worker; except that Contractor shall not terminate the contract with the subcontractor if during such three (3) days the subcontractor provides information to establish that the subcontractor has not knowingly employed or contracted with an unauthorized worker. Contractor's violation of this provision will constitute a material breach of this Contract, entitling the County to terminate the contract for breach. If this Contract is so terminated, Contractor shall be liable for actual and consequential damages to the County.

- 22. <u>Entire Agreement/Binding Effect/Amendments</u>: 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. <u>Assignment/Subcontractors</u>: 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. <u>Governing Law/Venue</u>: 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 20th Judicial District of the State of Colorado and the applicable Colorado Appellate Courts.
- 25. <u>Breach</u>: 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. <u>Severability</u>: 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. <u>Third-Party Beneficiary</u>: 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. <u>Colorado Open Records Act</u>: 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. <u>Conflict of Provisions</u>: 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. <u>Governmental Immunity</u>: 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, <u>et seq.</u>, 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. <u>Legal Compliance</u>: 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. <u>Litigation Reporting</u>: 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. <u>Tax Exemption</u>: 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. <u>Delegation of Authority</u>: 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. <u>Publicity Releases</u>: 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. <u>Execution by Counterparts; Electronic Signatures</u>: 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. <u>Limitation on Public Statements and Lobbying Activity</u>. 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. <u>Sustainability</u>: 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. <u>Limitation of Liability</u>: 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. <u>Legal Interpretation</u>. 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.
- 43. <u>No Suspension or Debarment</u>: 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.
- 44. <u>Insurance:</u> Prior to commencing the Work, Contractor will provide a Certificate of Insurance to the County demonstrating adequate insurance coverage as required by this Section. All policies evidencing coverage required by the Contract will be issued by insurance companies satisfactory to the County. Contractor will forward Certificates of Insurance directly to the **County Department** and **Contact** listed in the **Details Summary**.
- a. <u>Boulder County as Additional Insured</u>: Boulder County shall be named as an additional insured for General Liability, Umbrella/Excess Liability, and Pollution Liability, as designated in this Contract. Additional insured shall be endorsed to the policy.

THE ADDITIONAL INSURED WORDING SHOULD BE AS FOLLOWS: County of Boulder, State of Colorado, a body corporate and politic, is named as Additional Insured.

- b. <u>Notice of Cancellation</u>: Each insurance policy required by this Contract shall provide the required coverage and shall not be suspended, voided or canceled except after thirty (30) days' prior written notice has been given to the County except when cancellation is for non-payment of premium, then ten (10) days' prior notice may be given. If any insurance company refuses to provide the required notice, Contractor or its insurance broker shall notify the County any cancellation, suspension, or nonrenewal of any insurance policy within seven (7) days of receipt of insurers' notification to that effect.
- c. <u>Insurance Obligations of County</u>: County is not required to maintain or procure any insurance coverage beyond the coverage maintained by the County in its standard course of business. Any insurance obligations placed on the County in any of the **Contract Documents** shall be null and void.
- d. <u>Deductible</u>: Any and all deductibles contained in any insurance policy shall be assumed by and at the sole risk of Contractor.
- e. <u>Primacy of Coverage</u>: Coverage required of Contractor and its subcontractors, if any, shall be primary over any insurance or self-insurance program carried by the County.
- f. <u>Subrogation Waiver</u>: All insurance policies in any way related to this Contract secured or maintained by Contractor as required herein shall include clauses stating that each carrier shall waive all rights of recovery, under subrogation or otherwise, against County, its organizations, officers, agents, employees, and volunteers.
- g. <u>Requirements</u>: For the entire duration of this Contract including any extended or renewed terms, and longer as may be required by this Contract, Contractor shall procure and maintain at its own expense, and without cost to the County, the following kinds and minimum amounts of insurance to insure the liability risks that Contractor has assumed under this Contract:

Commercial General Liability

This coverage should be provided on an Occurrence Form, ISO CG001 or equivalent, with Minimum limits of \$1,000,000 Each Occurrence, \$2,000,000 General Aggregate and \$2,000,000 Products Completed Operations Aggregate.

Automobile Liability

Bodily Injury and Property Damage for any owned, hired, and non-owned vehicles used in the performance of the Contract. Minimum limits \$1,000,000 Each Accident.

Workers' Compensation and Employer's Liability

Workers' Compensation must be maintained with the statutory limits. Employer's Liability is required for minimum limits of \$100,000 Each Accident/\$500,000 Disease-Policy Limit/\$100,000 Disease-Each Employee.

Umbrella/Excess Insurance

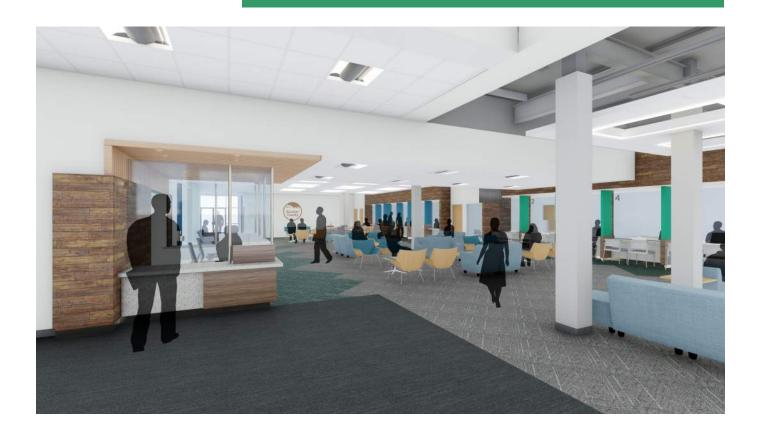
Umbrella/Excess Liability insurance in the amount \$3,000,000.00, following form.

[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 Cou	nty	SIGNED for and on behalf of Contractor
Signature:		Signature:
Name:		Name:
Title:		Title:
Date:		Date:
\downarrow \downarrow \downarrow For Board-signed documents only \downarrow \downarrow		
Attest:	Initials	
Attestor Name:		
Attestor Title:		

BOULDER COUNTY SOUTHEAST COUNTY SERVICE HUB



SPECIFICATIONS

CONSTRUCTION DOCUMENTS 11.19.2021



SECTION 08 4313

ALUMINUM-FRAMED STOREFRONTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Aluminum-framed storefront framing system.
- B. Aluminum doors and frames.
 - Weatherstripping.
- Design engineering of framing system and load-bearing connections to building structural frame system.

1.02 REFERENCE STANDARDS

- A. AAMA CW-10 Care and Handling of Architectural Aluminum From Shop to Site.
- B. AAMA 609 & 610 Cleaning and Maintenance Guide for Architecturally Finished Aluminum (Combined Document).
- C. AAMA 611 Voluntary Specification for Anodized Architectural Aluminum.
- D. AAMA 1503 Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections.
- E. ASTM A123/A123M Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- F. ASTM B209 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
- G. ASTM B209M Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate [Metric].
- H. ASTM B221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- I. ASTM B221M Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles. and Tubes [Metric].
- J. ASTM D4479/D4479M Standard Specification for Asphalt Roof Coatings Asbestos-Free.
- K. ASTM E283/E283M Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.
- L. ASTM E330/E330M Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Coordination:

- 1. Coordinate attachment and seal of perimeter air and vapor barrier materials.
- 2. Coordinate with installation of other components that comprise the exterior enclosure.

1.04 SUBMITTALS

- A. See Section 01 3000 Administrative Requirements for submittal procedures.
- B. Product Data: Provide component dimensions, describe components within assembly, anchorage and fasteners, door hardware, and internal drainage details.
- C. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related work, expansion and contraction joint location and details, and field welding required.
- D. Samples: Submit two samples 12 inches long illustrating finished aluminum surface.
- E. Design Data: Provide framing member structural and physical characteristics, engineering calculations, and dimensional limitations.

1.05 QUALITY ASSURANCE

- A. Designer Qualifications: Design structural support framing components under direct supervision of a Professional Structural Engineer experienced in design of this work and licensed at Colorado.
- B. Installer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience and approved by manufacturer.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Handle and store products of this Section in accordance with AAMA CW-10.
- B. Protect finished aluminum surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond to aluminum when exposed to sunlight or weather.

1.07 FIELD CONDITIONS

A. Do not install sealants when ambient temperature is less than 40 degrees F. Maintain this minimum temperature during and 48 hours after installation.

1.08 WARRANTY

- A. See Section 01 7800 Closeout Submittals for additional warranty requirements.
- B. Correct defective Work within a five year period after Date of Substantial Completion.
- C. Provide ten year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturers:
 - 1. Arcadia, Inc.: www.arcadiainc.com/#sle.
 - 2. Boyd Aluminum: www.boydaluminum.com/#sle.
 - 3. EFCO Corporation: www.efcocorp.com.
 - 4. Kawneer North America: www.kawneer.com/#sle.
 - 5. Manko Window Systems, Inc.: www.mankowindows.com/#sle.
 - 6. Oldcastle BuildingEnvelope: www.oldcastlebe.com/#sle.
 - 7. Tubelite. Inc.: www.tubeliteinc.com/#sle.
 - 8. Trulite Glass & Aluminum Solutions, LLC: www.trulite.com/#sle.
 - 9. Substitutions: See Section 01 6000 Product Requirements.

2.02 ALUMINUM-FRAMED STOREFRONT SYSTEM

- A. Aluminum-Framed Storefront: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices.
 - 1. Glazing Rabbet: For 1 inch insulating glazing, unless otherwise indicated for interior applications.
 - 2. Glazing Position: Centered (front to back).
 - 3. Mullion Dimensions: 2 inches wide by 4-1/2 inches deep.
 - 4. Finish: Class I color anodized.
 - 5. Fabrication: Joints and corners flush, hairline, and weatherproof, accurately fitted and secured; prepared to receive anchors and hardware; fasteners and attachments concealed from view; reinforced as required for imposed loads.
 - Fabricate individual system frame members, comp heads, sill pans, and other system components in single, continuous pieces; splices are not permitted unless specifically required by project installation conditions.
 - 6. Construction: Eliminate noises caused by wind and thermal movement, prevent vibration harmonics, and prevent "stack effect" in internal spaces.
 - System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.

- 8. Expansion/Contraction: Provide for expansion and contraction within system components caused by cycling temperature range of 170 degrees F over a 12 hour period without causing detrimental effect to system components, anchorages, and other building elements.
- 9. Movement: Allow for movement between storefront and adjacent construction, without damage to components or deterioration of seals.
- 10. Perimeter Clearance: Minimize space between framing members and adjacent construction while allowing expected movement.
- 11. Maintain continuous air barrier and/or vapor retarder seal throughout assembly, primarily in line with inside pane of glazing and inner sheet of infill panel, and heel bead of glazing compound.

2.03 PERFORMANCE REQUIREMENTS

- A. Design Requirements: Design and size components to withstand the specified load requirements without damage or permanent set, when tested in accordance with ASTM E330/E330M, using loads 1.5 times the design wind loads and 10 second duration of maximum load.
 - 1. Design Wind Loads: Comply with requirements of applicable code.
 - 2. Member Deflection: Limit member deflection to L/175 of clear span, 3/4 inch total, or to flexure limit of glass in any direction, whichever is less, with full recovery of glazing materials.
 - 3. Provide reinforced mullion sections as may be required to comply with specified design requirements, for manufacturer's specified system.
- B. Water Penetration Resistance on Manufactured Assembly: No uncontrolled water on interior face, when tested in accordance with ASTM E331 at pressure differential of 10 psf.
- C. Air Leakage: 0.06 cfm/sq ft maximum leakage of storefront wall area when tested in accordance with ASTM E283/E283M at 1.57 psf pressure difference.
- D. Thermal Performance Requirements:
 - Condensation Resistance Factor of Framing: 60, minimum, measured in accordance with AAMA 1503.

2.04 COMPONENTS

- A. Aluminum Framing Members: Tubular aluminum sections, thermally broken with interior section insulated from exterior, drainage holes and internal weep drainage system.
 - 1. Framing members for interior applications need not be thermally broken.
 - 2. Glazing Stops: Flush.
- B. Glazing: See Section 08 8000.
- C. Swing Doors: Glazed aluminum; nominal stile and rail dimensions as follows:
 - 1. Thickness: 1-3/4 inches.
 - 2. Top Rail: 3-1/2 inches wide.
 - 3. Vertical Stiles: 3-1/2 inches wide.
 - 4. Bottom Rail: 10 inches wide.
 - 5. Glazing Stops: Square.
 - 6. Finish: Same as storefront.
 - 7. Design exterior doors for one inch insulating glass units and thermally broken.
- D. Exterior Mullion Caps: Manufacturer's standard extrusions designed for installation on exterior mullions; sizes, shapes, and configrations as indicated on Drawings.

2.05 MATERIALS

- A. Extruded Aluminum: ASTM B221 (ASTM B221M).
- B. Sheet Aluminum: ASTM B209 (ASTM B209M); minimum thicknesses as follows:
- C. Fasteners: Stainless steel.
- D. Sill Pan Flashing Sealant: Elastomeric, silicone or polyurethane, compatible with flashing material.

- E. Glazing Gaskets: As recommended by storefront manufacturer; type to suit application to achieve weather, moisture, and air infiltration requirements.
 - Size gaskets as required by manufacturer of glazing channel frame to provide proper pressure and bite on glazing units.
 - 2. Coordinate with glazing requirements specified in Section 08 8000 Glazing.
- F. Glazing Accessories: See Section 08 8000.

2.06 ACCESSORIES

- A. Reinforcement: Where fasteners screw-anchor into aluminum less than 1/8 inch thick, reinforce the interior with aluminum or non-magnetic stainless steel to receive screw threads, or provide standard non-corrosive, pressed-in splined grommet nuts.
- B. Brackets: High-strength aluminum brackets and reinforcements where possible; otherwise provide non-magnetic stainless steel or galvanized steel complying with ASTM A123/A123M.
- C. Sill Pans: Manufacturer's standard extruded profile, thermally broken, designed to direct moisture to the exterior at sill conditions; including splice sleeves and continuously sealed end dams.
 - 1. Provide with sill pan clips for installation without the use of penetrating fasteners.
- D. Comp-Heads: Manufacturer's standard extruded profile, thermally broken, designed to accommodate minimum one inch deflection of building elements at head conditions.
- E. Water Deflectors: Manufacturer's standard internal system accessory specifically designed to route internal water drainage away from top surfaces of insulated glass units.
- F. Expansion Anchors: Stainless steel, drilled-in type expansion bolts for required attachment to concrete or masonry.
- G. Protective Backing Paint: Asphaltic mastic, ASTM D4479/D4479M, Type I.
- H. Internal System Sealants and Gaskets: As recommended by manufacturer for use within the framing system for fabrication, assembly, and installation. Use products which will remain permanently elastic, non-shrinking, and waterproof.

2.07 FINISHES

- A. Class I Color Anodized Finish: AAMA 611 AA-M12C22A44 Electrolytically deposited colored anodic coating not less than 0.7 mils thick.
- B. Touch-Up Materials: As recommended by coating manufacturer for field application.

2.08 HARDWARE

- A. For each door, include weatherstripping and sill sweep strip.
- B. Door Hardware: As specified in Section 08 7100, except as specified in this Section.
- C. Weatherstripping: Wool pile, continuous and replaceable; provide on all doors.
- D. Sill Sweep Strips: Resilient seal type, retracting, of neoprene; provide on all doors.
- E. Reinforce components internally for door hardware and door operators.
- F. Finishing: Apply factory finish to all surfaces that will be exposed in completed assemblies, including exposed fasteners.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify dimensions, tolerances, and method of attachment with other work.
- B. Verify that storefront wall openings and adjoining water-resistive and/or air barrier seal materials are ready to receive work of this Section.

3.02 INSTALLATION

- A. Install wall system in accordance with manufacturer's instructions.
- B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
- C. Provide alignment attachments and shims to permanently fasten system to building structure.
- D. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
- E. Provide thermal isolation where components penetrate or disrupt building insulation.
- F. Where fasteners penetrate sill flashings, make watertight by seating and sealing fastener heads to sill flashing.
- G. Install sill pans with end dams; do not obstruct weep paths with sealants. Locate sill pan joints, if required, minimum 12 inches from centerline of vertical mullions. Seal to adjacent work to form water tight dam.
- H. Install comp-head units where detailed; do not secure comp-heads to primary storefront head frames.
- I. Install internal system sealants as installation progresses. Seal sill pan splices, end dams, water deflectors, and other components to ensure that proper water weepage paths are established and maintained within the system.
- J. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.

3.03 TOLERANCES

- A. Maximum Variation from Plumb: 0.06 inch per 3 feet non-cumulative or 0.06 inch per 10 feet, whichever is less.
- B. Maximum Misalignment of Two Adjoining Members Abutting in Plane: 1/32 inch.
- C. Location: Limit variation from plane or dimensioned location to 1/8 inch in 12 feet, non-cumulative, and 1/2 inch in overall length of member.

3.04 ADJUSTING

A. Adjust operating hardware for smooth operation.

3.05 CLEANING

- A. Remove protective material from pre-finished aluminum surfaces.
- B. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths, and take care to remove dirt from corners and to wipe surfaces clean.
- C. Upon completion of installation, thoroughly clean aluminum surfaces in accordance with AAMA 609 & 610.

3.06 PROTECTION

A. Protect installed products from damage until Date of Substantial Completion.

END OF SECTION

SECTION 08 4329

SLIDING DOOR ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Glazed aluminum sliding wall panel systems.
- B. Support and operating hardware.

1.02 REFERENCE STANDARDS

A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.

1.03 SUBMITTALS

- A. See Section 01 3000 Administrative Requirements for submittal procedures.
- B. Product Data: Provide information on dimensions, frame and sill construction, glazing, and hardware.
- C. Shop Drawings: Indicate opening dimensions, elevations of different types, and framed opening tolerances.
- D. Samples: Submit two samples, 12 by 12 inch in size illustrating typical frame corner construction, accessories, and finishes.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in installation of products of type specified, with not less than three years of documented experience.
- B. Basis of Design: Drawing details are based on door/wall systems by specified basis of design manufacturer. Door/wall systems by other acceptable manufacturers are permitted, subject to compliance with all specified performance characteristics, and provided that deviations in dimension, profile, and finish are minor, and do not detract from the indicated design intent.
 - 1. Comply with requirements specified in Section 01 4000 and Section 01 6000.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to project site and store in manufacturer's protective cartons until openings are ready for installation.
- B. Protect finished surfaces with wrapping paper or strippable coating during installation. Do not use adhesive papers or sprayed coatings that bond to substrate when exposed to sunlight or weather.

1.06 FIELD CONDITIONS

- A. Do not install sealants when ambient temperature is less than 40 degrees F.
- B. Maintain this minimum temperature during and 24 hours after installation of sealants.

1.07 WARRANTY

- A. See Section 01 7800 Closeout Submittals for additional warranty requirements.
- B. Correct defective Work within a five year period after Date of Substantial Completion.
- C. Provide five year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design Manufacturer:
 - 1. The Sliding Door Company; Flexible Track System Bypassing Room Divider: www.slidingdoorco.com.
 - 2. Substitutions: See Section 01 6000 Product Requirements.

2.02 SLIDING AND FOLDING GLAZED DOORS AND WALLS

- A. Glazed Aluminum Sliding Wall Panel Systems: Extruded aluminum sliding and fixed wall panel frames, factory fabricated; complete with sill, flashings, and support and anchorage devices.
 - 1. Stacking Configuration: As shown on Drawings.
 - 2. Support System: Floor mounted.
 - 3. Standard Sill: Flush type, with sealant, shims and fasteners at necessary locations.
 - a. Finish: As selected by Architect from manufacturer's standard line.
 - 4. Aluminum Frames: Factory finished; manufacturer's standard corner construction.
 - 5. Glass Stops: Same material and color as frame.
 - 6. Aluminum Frame Finish: PVDF coating in accordance with AAMA 2605.
 - a. Sheen: Standard gloss.
 - b. Color: As selected from manufacturer's full range of colors.
- B. Sliding Wall Panel Hardware: Manufacturer's standard hardware including carriages with sealed ball bearing rollers, and top or bottom tracks.
 - Door Hardware: Back to back pull handle.
 - 2. Locking Mechanisms: Minimum two-point deadbolt locking of each panel; manufacturer's standard type.
 - 3. Additional Wall Panel Hardware: Include a key locking mechanism with a cutout in outside escutcheon to accommodate cylinder; see Section 08 7100.
 - 4. Exposed Hardware Finish: As selected from manufacturer's standard line.

2.03 FACTORY ASSEMBLY

- A. Factory assemble sliding operable panel frames as single unit, including head, jambs, and bottom sections; provide concealed fasteners.
 - Sizes: Allow for tolerances of rough framed openings, clearances, and shims at perimeter of assemblies.
 - 2. Joints and Corners: Flush, hairline, accurately fitted and secured; prepared to receive anchors; fasteners and attachments concealed from view; reinforced as required for imposed loads.
 - 3. Glazing: Field installed.

2.04 ACCESSORIES

A. Anchors: Hot-dipped galvanized or stainless steel in accordance with project and manufacturer's installation requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that openings are ready to receive work and opening dimensions and clearances are as indicated on Drawings.

3.02 PREPARATION

A. Prepare opening to permit correct installation of door unit in coordination with air and vapor seal.

3.03 INSTALLATION

A. Install assemblies in accordance with manufacturer's instructions.

- B. Attach frame and shims to perimeter opening to accommodate construction tolerances and other irregularities.
- C. Use anchorage devices to securely fasten assembly to adjacent construction without distortion or imposed stresses.

3.04 TOLERANCES

- A. Maintain dimensional tolerances and alignment with adjacent work.
- B. Maximum Variation from Plumb: 1/16 inch.
- C. Maximum Variation from Level: 1/16 inch.
- D. Longitudinal or Diagonal Warp: Plus or minus 1/8 inch from 10 feet straight edge.

3.05 ADJUSTING

A. Adjust hardware for smooth operation.

3.06 CLEANING

- A. Remove protective material from factory finished surfaces.
- B. Remove labels and visible markings.
- C. Wash surfaces by method recommended and acceptable to sealant and window manufacturer; rinse and wipe surfaces clean.
- D. Remove excess sealant by moderate use of mineral spirits or other solvent acceptable to sealant manufacturer.

3.07 PROTECTION

A. Protect installed products from damage until Date of Substantial Completion.

END OF SECTION

SECTION 08 71 00

DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY:

- A. Section Includes: Finish Hardware for door openings, except as otherwise specified herein.
 - Door hardware for steel (hollow metal) doors.
 - Door hardware for aluminum doors.
 - 3. Door hardware for wood doors.
 - 4. Door hardware for other doors indicated.
 - 5. Keyed cylinders as indicated.

B. Related Sections:

- 1. Division 6: Rough Carpentry.
- 2. Division 8: Aluminum Doors and Frames
- 3. Division 8: Hollow Metal Doors and Frames.
- 4. Division 8: Wood Doors.
- 5. Division 26 Electrical
- Division 28: Electronic Security
- C. References: Comply with applicable requirements of the following standards. Where these standards conflict with other specific requirements, the most restrictive shall govern.
 - 1. Builders Hardware Manufacturing Association (BHMA)
 - 2. NFPA 101 Life Safety Code
 - 3. NFPA 80 -Fire Doors and Windows
 - 4. ANSI-A156.xx- Various Performance Standards for Finish Hardware
 - 5. UL10C Positive Pressure Fire Test of Door Assemblies
 - 6. ANSI-A117.1 Accessible and Usable Buildings and Facilities
 - 7. DHI /ANSI A115.IG Installation Guide for Doors and Hardware
 - 8. ICC International Building Code

D. Intent of Hardware Groups

- 1. Should items of hardware not definitely specified be required for completion of the Work, furnish such items of type and quality comparable to adjacent hardware and appropriate for service required.
- 2. Where items of hardware aren't definitely or correctly specified, are required for completion of the Work, a written statement of such omission, error, or other discrepancy to be submitted to Architect, prior to date specified for receipt of bids for clarification by addendum; or, furnish such items in the type and quality established by this specification, and appropriate to the service intended.

E. Allowances

1. Refer to Division 1 for allowance amount and procedures.

F. Alternates

1. Refer to Division 1 for Alternates and procedures.

- 1.2 SUBSTITUTIONS:
 - A. Comply with Division 1.
- 1.3 SUBMITTALS:
 - A. Comply with Division 1.
 - B. Special Submittal Requirements: Combine submittals of this Section with Sections listed below to ensure the "design intent" of the system/assembly is understood and can be reviewed together.
 - C. Product Data: Manufacturer's specifications and technical data including the following:
 - 1. Detailed specification of construction and fabrication.
 - Manufacturer's installation instructions.
 - 3. Wiring diagrams for each electric product specified. Coordinate voltage with electrical before submitting.
 - 4. Submit 6 copies of catalog cuts with hardware schedule.
 - 5. Provide 9001-Quality Management and 14001-Environmental Management for products listed in Materials Section 2.2
 - D. Shop Drawings Hardware Schedule: Submit 6 complete reproducible copy of detailed hardware schedule in a vertical format.
 - 1. List groups and suffixes in proper sequence.
 - 2. Completely describe door and list architectural door number.
 - 3. Manufacturer, product name, and catalog number.
 - 4. Function, type, and style.
 - 5. Size and finish of each item.
 - 6. Mounting heights.
 - 7. Explanation of abbreviations and symbols used within schedule.
 - 8. Detailed wiring diagrams, specially developed for each opening, indicating all electric hardware, security equipment and access control equipment, and door and frame rough-ins required for specific opening.
 - E. Templates: Submit templates and "reviewed Hardware Schedule" to door and frame supplier and others as applicable to enable proper and accurate sizing and locations of cutouts and reinforcing.
 - 1. Templates, wiring diagrams and "reviewed Hardware Schedule" of electrical terms to electrical for coordination and verification of voltages and locations.
 - F. Samples: (If requested by the Architect)
 - 1. 1 sample of Lever and Rose/Escutcheon design, (pair).
 - 2. 3 samples of metal finishes
 - G. Contract Closeout Submittals: Comply with Division 1 including specific requirements indicated.
 - 1. Operating and maintenance manuals: Submit 3 sets containing the following.
 - a. Complete information in care, maintenance, and adjustment, and data on repair and replacement parts, and information on preservation of finishes.
 - b. Catalog pages for each product.
 - c. Name, address, and phone number of local representative for each manufacturer.
 - d. Parts list for each product.
 - 2. Copy of final hardware schedule, edited to reflect, "As installed".

- 3. Copy of final keying schedule
- 4. As installed "Wiring Diagrams" for each piece of hardware connected to power, both low voltage and 110 volts.
- 5. One set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

1.4 QUALITY ASSURANCE

- A. Comply with Division 1.
 - 1. Statement of qualification for distributor and installers.
 - 2. Statement of compliance with regulatory requirements and single source responsibility.
 - 3. Distributor's Qualifications: Firm with 3 years experience in the distribution of commercial hardware.
 - a. Distributor to employ full time Architectural Hardware Consultants (AHC) for the purpose of scheduling and coordinating hardware and establishing keying schedule.
 - b. Hardware Schedule shall be prepared and signed by an AHC.
 - 4. Installer's Qualifications: Firm with 3 years experienced in installation of similar hardware to that required for this Project, including specific requirements indicated.
 - 5. Regulatory Label Requirements: Provide testing agency label or stamp on hardware for labeled openings.
 - a. Provide UL listed hardware for labeled and 20 minute openings in conformance with requirements for class of opening scheduled.
 - b. Underwriters Laboratories requirements have precedence over this specification where conflict exists.
 - 6. Single Source Responsibility: Except where specified in hardware schedule, furnish products of only one manufacturer for each type of hardware.
- B. Review Project for extent of finish hardware required to complete the Work. Where there is a conflict between these Specifications and the existing hardware, notify the Architect in writing and furnish hardware in compliance with the Specification unless otherwise directed in writing by the Architect.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Packing and Shipping: Comply with Division 1.
 - 1. Deliver products in original unopened packaging with legible manufacturer's identification.
 - 2. Package hardware to prevent damage during transit and storage.
 - 3. Mark hardware to correspond with "reviewed hardware schedule".
 - 4. Deliver hardware to door and frame manufacturer upon request.
- B. Storage and Protection: Comply with manufacturer's recommendations.

1.6 PROJECT CONDITIONS:

- A. Coordinate hardware with other work. Furnish hardware items of proper design for use on doors and frames of the thickness, profile, swing, security and similar requirements indicated, as necessary for the proper installation and function, regardless of omissions or conflicts in the information on the Contract Documents.
- B. Review Shop Drawings for doors and entrances to confirm that adequate provisions will be made for the proper installation of hardware.

1.7 WARRANTY:

- A. Refer to Conditions of the Contract
- B. Manufacturer's Warranty:

Closers: Ten years
 Exit Devices: Five Years

3. Locksets & Cylinders: Three years

4. All other Hardware: Two years.

1.8 OWNER'S INSTRUCTION:

A. Instruct Owner's personnel in operation and maintenance of hardware units.

1.9 MAINTENANCE:

- A. Extra Service Materials: Deliver to Owner extra materials from same production run as products installed. Package products with protective covering and identify with descriptive labels. Comply with Division 1 Closeout Submittals Section.
 - 1. Special Tools: Provide special wrenches and tools applicable to each different or special hardware component.
 - 2. Maintenance Tools: Provide maintenance tools and accessories supplied by hardware component manufacturer.
 - 3. Delivery, Storage and Protection: Comply with Owner's requirements for delivery, storage and protection of extra service materials.
- B. Maintenance Service: Submit for Owner's consideration maintenance service agreement for electronic products installed.

PART 2 - PRODUCTS

2.1 MANUFACTURERS:

A. The following manufacturers are approved subject to compliance with requirements of the Contract Documents. Approval of manufacturers other than those listed shall be in accordance with Division 1.

<u>Item</u> :	Manufacturer:	Approved:
Hinges	Ives	
Continuous Hinges	Hager Roton	
Locksets	Best	
Cylinders	Best	
Exit Devices	VonDuprin	,
Closers	LCN 4040XP	
Push/Pull Plates	Trimco	Burns, Rockwood, Ives
Push/Pull Bars	Trimco	Burns, Rockwood, Ives
Protection Plates	Trimco	Burns, Rockwood, Ives
Overhead Stops	Glynn Johnson	Rixson, Dorma, ABH
Door Stops	Trimco	Burns, Rockwood, Ives
Flush Bolts	Trimco	ABH, Burns, Ives
Coordinator & Brackets	Trimco	ABH, Burns, Ives
Threshold & Gasketing	National Guard	Reese, K.N. Crowder, Zero

2.2 MATERIALS:

A. Hinges:

- 1. Template screw hole locations
- 2. Minimum of 2 permanently lubricated non-detachable bearings
- 3. Equip with easily seated, non-rising pins
- 4. Sufficient size to allow 180-degree swing of door
- 5. Furnish hinges with five knuckles and flush [concealed] bearings
- 6. Provide hinge type as listed in schedule.
- 7. Furnish 3 hinges per leaf to 7 foot 6 inch height. Add one for each additional 30 inches in height or fraction thereof.
- 8. Tested and approved by BHMA for all applicable ANSI Standards for type, size, function and finish
- 9. UL10C listed for Fire rated doors.

B. Geared Continuous Hinges:

- 1. Tested and approved by BHMA for ANSI A156.26-1996 Grade 1
- 2. Anti-spinning through fastener
- 3. UL10C listed for 3 hour Fire rating
- 4. Non-handed
- 5. Lifetime warranty
- 6. Provide Fire Pins for 3-hour fire ratings
- 7. Sufficient size to permit door to swing 180 degrees

2.3 MATERIALS:

A. Hinges: Shall be Five Knuckle Ball bearing hinges

- 1. Template screw hole locations
- 2. Bearings are to be fully hardened.
- 3. Bearing shell is to be consistent shape with barrel.
- 4. Minimum of 2 permanently lubricated non-detachable bearings on standard weight hinge and 4 permanently lubricated bearing on heavy weight hinges.
- 5. Equip with easily seated, non-rising pins.
- 6. Non Removable Pin screws shall be slotted stainless steel screws.
- 7. Hinges shall be full polished, front, back and barrel.
- 8. Hinge pin is to be fully plated.
- 9. Bearing assembly is to be installed after plating.
- 10. Sufficient size to allow 180-degree swing of door
- 11. Furnish five knuckles with flush ball bearings
- 12. Provide hinge type as listed in schedule.
- 13. Furnish 3 hinges per leaf to 7 foot 6 inch height. Add one for each additional 30 inches in height or fraction thereof.
- 14. Tested and approved by BHMA for all applicable ANSI Standards for type, size, function and finish
- 15. UL10C listed for Fire rated doors.

B. Geared Continuous Hinges:

- 1. Tested and approved by BHMA for ANSI A156.26-1996 Grade 1
- 2. Anti-spinning through fastener
- 3. UL10C listed for 3 hour Fire rating
- 4. Non-handed
- 5. Lifetime warranty
- 6. Provide Fire Pins for 3-hour fire ratings
- 7. Sufficient size to permit door to swing 180 degrees

- C. Electrified Functions for Hinges: Comply with the following:
 - 1. Power Transfer: Concealed PTFE-jacketed wires, secured at each leaf and continuous through hinge knuckle. Provide wire quantity and sizes required for electric hardware be served.

D. Mortise Type Locks and Latches:

- 1. Tested and approved by BHMA for ANSI A156.13, Series 1000, Operational Grade 1, Extra-Heavy Duty, Security Grade 2 and be UL10C.
- 2. Furnish UL or recognized independent laboratory certified mechanical operational testing to 4 million cycles minimum.
- 3. Provide 9001-Quality Management and 14001-Environmental Management.
- 4. Fit ANSI A115.1 door preparation
- 5. Functions and design as indicated in the hardware groups
- 6. Solid, one-piece, 3/4-inch (19mm) throw, anti-friction latchbolt made of self-lubricating stainless steel
- 7. Deadbolt functions shall have 1 inch (25mm) throw bolt made of hardened stainless steel
- 8. Latchbolt and Deadbolt are to extend into the case a minimum of 3/8 inch (9.5mm) when fully extended
- 9. Auxiliary deadlatch to be made of one piece stainless steel, permanently lubricated
- 10. Provide sufficient curved strike lip to protect door trim
- 11. Lever handles must be of forged or cast brass, bronze or stainless steel construction and conform to ANSI A117.1. Levers that contain a hollow cavity are not acceptable
- 12. Lock shall have self-aligning, thru-bolted trim
- 13. Levers to operate a roller bearing spindle hub mechanism
- 14. Mortise cylinders of lock shall have a concealed internal setscrew for securing the cylinder to the lockset. The internal setscrew will be accessible only by removing the core, with the control key, from the cylinder body.
- 15. Spindle to be designed to prevent forced entry from attacking of lever
- 16. Provide locksets with 7-pin removable and interchangeable core cylinders
- 17. Each lever to have independent spring mechanism controlling it
- 18. Core face must be the same finish as the lockset.

E. Cylindrical Type Locks and Latchsets:

- 1. Tested and approved by BHMA for ANSI A156.2, Series 4000, Operational Grade 1, Extra-Heavy Duty, and be UL10C listed.
- 2. Provide 9001-Quality Management and 14001-Environmental Management.
- 3. Fit modified ANSI A115.2 door preparation.
- 4. Locksets and cores to be of the same manufacturer to maintain complete lockset warranty
- 5. Locksets to have anti-rotational studs that are thru-bolted
- 6. Keyed lever shall not have exposed "keeper" hole
- 7. Each lever to have independent spring mechanism controlling it
- 8. 2-3/4 inch (70 mm) backset
- 9. 9/16 inch (14 mm) throw latchbolt
- 10. Provide sufficient curved strike lip to protect door trim
- 11. Outside lever sleeve to be seamless, of one-piece construction made of a hardened steel alloy
- 12. Keyed lever to be removable only after core is removed, by authorized control key
- 13. Provide locksets with 7-pin removable and interchangeable core cylinders
- 14. Hub, side plate, shrouded rose, locking pin to be a one-piece casting with a shrouded locking lug.
- 15. Locksets outside locked lever must withstand minimum 1400 inch pounds of torque. In excess of that, a replaceable part will shear. Key from outside and inside lever will still operate lockset.
- 16. Core face must be the same finish as the lockset.
- 17. Functions and design as indicated in the hardware groups.

F. Cylindrical Type Locks and Latchsets:

- 1. Provide locksets tested and approved by BHMA/ANSI A156.2, Series 4000, Operational Grade 1, Extra-Heavy Duty.
- 2. Provide locksets listed by Underwriters Laboratories for use on fire rated single or double swinging doors.
- 3. Provide locksets that meet the design and operation of the cylindrical lock to meet the accessible requirements of ANSI A117.1 and ADA–Americans with Disabilities Act.
- 4. Provide locksets made in a manufacturing facility to compliant with ISO 9001-Quality Management and ISO 14001-Environmental Management.
- 5. Provide locksets that meet or exceed 50 Million cycle test verified by third party testing agency.
- 6. Provide locksets with the following mechanical features
 - a. Locksets outside locked lever must withstand minimum 1400 inch-pounds of torque. In excess of that, a replaceable part will shear. Key from outside and/or inside lever will still operate lockset.
 - b. Locksets shall fit modified ANSI A115.2 door preparation.
 - c. 2-3/4 inch (70 mm) backset, standard.
 - d. Door thickness Available for 1 3/4" to 2 1/4" doors.
 - e. 9/16 inch (14 mm) throw latchbolt.
 - f. Latch to have single piece tail-piece construction.
 - g. Chassis Critical latch and chassis components to be brass or corrosion-treated steel.
 - h. Lock shall allow the lever handle to move 45 degrees from parallel to the horizontal plane without engaging the latchbolt assembly.
 - Hub, side plate, shrouded rose, locking pin to be a one-piece casting with a shrouded locking lug.
 - j. Locksets to have anti-rotational studs that are thru-bolted.
 - k. Provide sufficient curved strike lip to protect door trim at single doors. At pairs of doors, provide 7/8" Lip to Center Strike.
 - I. Each lever to have independent spring mechanism.
 - m. Lever springs to be contained in the main lock hub.
 - n. Outside lever sleeve to be seamless, of one-piece construction made of a hardened steel alloy.
 - o. Keyed lever to be removable only after core is removed, by authorized control key.
- 7. Locksets to have the capability of supporting manufacturers' conventional core as well as large and small interchangeable cores.
- 8. Provide core face with the same finish as the lockset.
- 9. Provide functions and design as indicated in the hardware groups.
- 10. Acceptable manufacturers and/or products:
 - a. dormakaba USA Inc. Best 9K Series
 - b. ASSA ABLOY Group Sargent 11 Line
 - c. Allegion Schlage ND Series

G. Exit Devices:

- 1. Exit devices to meet or exceed BHMA for ANSI 156.3, Grade 1.
- Exit devices to be tested and certified by UL or by a recognized independent laboratory for mechanical operational testing to 10 million cycles minimum with inspection confirming Grade 1 Loaded Forces have been maintained.
- 3. Exit devices chassis to be investment cast steel, zinc dichromate.
- 4. Exit devices to have stainless steel deadlocking 3/4" through latch bolt.
- 5. Exit devices to be equipped with sound dampening on touchbar.
- 6. Non-fire rated exit devices to have cylinder dogging.
- 7. Non-fire rated exit devices to have $\frac{1}{4}$ " minimum turn hex key dogging.
- 8. Touchpad to be "T" style constructed of architectural metal with matching metal end caps.
- 9. Touchbar assembly on wide style exit devices to have a $\frac{1}{4}$ " clearance to allow for vision frames.
- 10. All exposed exit device components to be of architectural metals and "true" architectural finishes.
- 11. Provide strikes as required by application.
- 12. Fire exit hardware to conform to UL10C and UBC 7-2. UL tested for Accident Hazard.

- 13. The strike is to be black powder coated finish.
- 14. Exit devices to have field reversible handing.
- 15. Provide heavy duty vandal resistant lever trim with heavy duty investment cast stainless steel components and extra strength shock absorbing overload springs. Lever shall not require resetting. Lever design to match locksets and latchsets.
- 16. Provide 9001-Quality Management and 14001-Environmental Management.
- 17. Vertical Latch Assemblies to have gravity operation, no springs.
- 18. Exit Device Intruder Function Visual Indicator is to be used in conjunction with the ANSI "10" Function, which allows the outside lever trim to be locked from the inside while the door remains closed. Rim cylinder on the exterior/trim side retracts the latch from the outside.
 - a. Indicator to be actuated by a rim cylinder equipped with a keyed core or thumb-turn.
 - b. Directional indicator feature shall have a large status indicator window with directional pointer embossed into the active case cover to indicate key turn direction to lock and unlock outside lever trim. Labels or stickers are not acceptable.
 - c. The status indicator window shall be integrated into the housing of the exit device and is to contain bright reflective material that may be seen in low light conditions.
 - d. Indicator window to be protected by impact resistant lens cover.
 - e. The action to lock down/unlock shall require a quarter turn (90°) of key or thumb turn.
 - 1) Locked status shall be indicated by a red indicator that will appear under the lens cover with an image of a locked padlock.
 - 2) Unlocked status shall be indicated by a green indicator that will appear under the lens of the cover with an image of an unlocked padlock.

H. Cylinders:

- 1. Provide the necessary cylinder housings, collars, rings & springs as recommended by the manufacturer for proper installation.
- 2. Provide the proper cylinder cams or tail piece as required to operate all locksets and other keyed hardware items listed in the hardware sets.
- 3. Coordinate and provide as required for related sections.

I. Door Closers shall:

- 1. Tested and approved by BHMA for ANSI 156.4, Grade 1
- 2. UL10C certified
- 3. Provide 9001-Quality Management and 14001-Environmental Management.
- 4. Closer shall have extra-duty arms and knuckles
- 5. Conform to ANSI 117.1
- 6. Maximum 2 7/16 inch case projection with non-ferrous cover
- 7. Separate adjusting valves for closing and latching speed, and backcheck
- 8. Provide adapter plates, shim spacers and blade stop spacers as required by frame and door conditions
- 9. Full rack and pinion type closer with 1½" minimum bore
- 10. Mount closers on non-public side of door, unless otherwise noted in specification
- 11. Closers shall be non-handed, non-sized and multi-sized.
- J. Door Stops: Provide a dome floor or wall stop for every opening as listed in the hardware sets.
 - 1. Wall stop and floor stop shall be wrought bronze, brass or stainless steel.
 - Provide fastener suitable for wall construction.
 - 3. Coordinate reinforcement of walls where wall stop is specified.
 - 4. Provide dome stops where wall stops are not practical. Provide spacers or carpet riser for floor conditions encountered
- K. Over Head Stops: Provide a Surface mounted or concealed overhead when a floor or wall stop cannot be used or when listed in the hardware set.

- Concealed overhead stops shall be heavy duty bronze or stainless steel.
- 2. Surface overhead stops shall be heavy duty bronze or stainless steel.
- L. Push Plates: Provide with four beveled edges ANSI J301, .050 thickness, size as indicated in hardware set. Furnish oval-head countersunk screws to match finish.
- M. Pulls with plates: Provide with four beveled edges ANSI J301, .050 thickness Plate s with ANSI J401 Pull as listed in hardware set. Provide proper fasteners for door construction.
- N. Push Pull Bars: Provide ANSI J504, .1" Dia. Pull and push bar model and series as listed in hardware set. Provide proper fasteners for door construction.
- O. Kickplates: Provide with four beveled edges ANSI J102, 10 inches high by width less 2 inches on single doors and 1 inch on pairs of doors. Furnish oval-head countersunk screws to match finish.
- P. Mop plates: Provide with four beveled edges ANSI J103, 4 inches high by width less 1 inch on single doors and 1 inch on pairs of doors. Furnish oval-head countersunk screws to match finish.
- Q. Armor Plates: Provide ANSI J101 with four beveled edges, 40 inches high by width less 1 inch on single or pairs of doors. Furnish oval-head countersunk screws to match finish.
 - 1. Provide cutouts for hardware as listed in the hardware sets.
 - 2. Provide Warnock Hersey labeled plates for 3 hour metal fire doors where allowed by local authority.
- R. Door Bolts: Flush bolts for wood or metal doors.
 - 1. Provide a set of Automatic bolts, Certified ANSI/BHMA 156.3 Type 25 for hollow metal label doors.
 - 2. Provide a set of Automatic bolts, Certified ANSI/BHMA 156.3 Type 27 at wood label doors.
 - 3. Manual flush bolts, Certified ANSI/BHMA 156.16 at openings where allowed local authority.
 - 4. Provide Dust Proof Strike, Certified ANSI/BHMA 156.16 at doors with flush bolts without thresholds.
- S. Coordinator and Brackets: Provide a surface mounted coordinator when automatic bolts are used in the hardware set.
 - 1. Coordinator, Certified ANSI/BHMA A1156.3 Type 21A for full width of the opening.
 - 2. Provide mounting brackets for soffit applied hardware.
 - 3. Provide hardware preparation (cutouts) for latches as necessary.
- T. Power Supply: Provide power supply PS914 series for Quiet Electric Latch Retraction exit devices. Provide the appropriate control circuit card necessary to operate the number of QEL exit devices used at each opening.
 - 1. UL Listed for class II output
 - 2. Include circuit breakers for protection of motherboard
 - 3. 120 Volt AC input at 1 Amp
 - 4. Control module shall include Fire alarm terminal contacts.
- U. Power Supply: UL Listed, Field Selectable 12VDC or 24VDC output. The power supply will specifically designed to support electric locks and access controls. The power supply uses 115 VAC at 800mA input. The power shall be able to be expanded to four station controls. The filtered and regulated output power is field selectable for 12 or 24 VDC.
 - 1. Fire Alarm/Life Safety emergency release included in power supply.
 - 2. Available options for multiple door options four or more control stations, Adjustable Time delay relay, Battery charging, Battery Back up.
- V. Door Position Switch: Provide door position switch for door status monitoring as indicated in hardware sets.

- 1. At all fired rated doors the door and frames, position switch preparation will be provided by the door and frame manufacturer or by an authorized label service agent.
- W. Seals: All seals shall be finished to match adjacent frame color. Seals shall be furnished as listed in schedule. Material shall be UL listed for labeled openings.
- X. Weatherstripping: Provide at head and jambs only those units where resilient or flexible seal strip is easily replaceable. Where bar-type weatherstrip is used with parallel arm mounted closers install weatherstrip first.
 - 1. Weatherstrip shall be resilient seal of (Neoprene, Polyurethane, Vinyl, Pile, Nylon Brush, Silicone)
 - 2. UL10C Positive Pressure rated seal set when required.
- Y. Door Bottoms/Sweeps: Surface mounted or concealed door bottom where listed in the hardware sets.
 - 1. Door seal shall be resilient seal of (Neoprene, Polyurethane, Nylon Brush, Silicone)
 - 2. UL10C Positive Pressure rated seal set when required.
- Z. Thresholds: Thresholds shall be aluminum beveled type with maximum height of ½" for conformance with ADA requirements. Furnish as specified and per details. Provide fasteners and screws suitable for floor conditions.
- AA. Provide one wall mounted Telkee, Lund or MMF series key cabinet complete with hooks, index and tags to accommodate 50% expansion. Coordinate mounting location with architect.
- BB. Keystone Web Key Management Software: Provide one, Keystone Web product "KSWN" key management software. Shall include
 - 1. Configurable Password Policy for logins.
 - 2. User friendly interface Tile Icons and Customizable dashboard.
 - 3. Easy Data Entry & Import to import/append data continuously.
 - 4. Active Directory synchronization to reduce manual entry.
 - 5. Configurable Email notifications for all keys and other items currently due back on a designated day, notifications when keys and items are issued, and notifications when keys and other items are returned.
 - 6. Global Search functionality capable of listing all cores and their location, building and doors.
 - 7. Cross-references people to cores and keys, doors, and buildings they access.
 - 8. Customizable Reports.
 - 9. Self-serve Password retrieval functionality.
 - 10. Program shall be standalone or network capable, LAN or WAN compatible.
 - 11. Flexibility: The software shall be capable of allowing an authorized user secure access to the software from anywhere, provided user can access their organization's secure network.
 - 12. Encrypted database and SQL server express backend.
 - 13. Software program is to be compatible with Windows 7 Professional 32/64 bit (Standalone PC). Windows 2008/2012 Server 32/64 bit.
 - 14. Browser Requirements: Internet Explorer 10 or greater Microsoft Edge browser latest Firefox or Chrome Internet browsers.
 - 15. Minimum Microsoft software Prerequisites: SQL Server 2014 Express or Greater. NET Framework 4.5 or greater.
- CC. Silencers: Furnish silencers on all interior frames, 3 for single doors, 2 for pairs. Omit where any type of seals occur.

2.4 FINISH:

- A. Designations used in Schedule of Finish Hardware 3.05, and elsewhere to indicate hardware finishes are those listed in ANSI/BHMA A156.18 including coordination with traditional U.S. finishes shown by certain manufacturers for their products
- B. Powder coat door closers to match other hardware, unless otherwise noted.
- C. Aluminum items shall be finished to match predominant adjacent material. Seals to coordinate with frame color.

2.5 KEYS AND KEYING:

- A. Provide keyed brass construction cores and keys during the construction period. Construction control and operating keys and core shall not be part of the Owner's permanent keying system or furnished in the same keyway (or key section) as the Owner's permanent keying system. Permanent cores and keys (prepared according to the accepted keying schedule) will be furnished to the Owner.
- B. Cylinders, removable and interchangeable core system: Best CORMAX™ Patented 7-pin.
- C. Permanent keys and cores: Stamped with the applicable key mark for identification. These visual key control marks or codes will not include the actual key cuts. Permanent keys will also be stamped "Do Not Duplicate."
- D. Transmit Grand Masterkeys, Masterkeys and other Security keys to Owner by Registered Mail, return receipt requested.
- E. Furnish keys in the following quantities:
 - 1. 1 each Grand Masterkeys
 - 2. 4 each Masterkeys
 - 3. 2 each Change keys each keyed core
 - 4. 15 each Construction masterkeys
 - 5. 1 each Control keys
- F. The Owner, or the Owner's agent, will install permanent cores and return the construction cores to the Hardware Supplier. Construction cores and keys remain the property of the Hardware Supplier.
- G. Keying Schedule: Arrange for a keying meeting, and programming meeting with Architect Owner and hardware supplier, and other involved parties to ensure locksets and locking hardware, are functionally correct and keying and programming complies with project requirements. Furnish 3 typed copies of keying and programming schedule to Architect.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verification of conditions: Examine doors, frames, related items and conditions under which Work is to be performed and identify conditions detrimental to proper and or timely completion.
 - 1. Do not proceed until unsatisfactory conditions have been corrected.

3.2 HARDWARE LOCATIONS:

- A. Mount hardware units at heights indicated in the following publications except as specifically indicated or required to comply with the governing regulations.
 - 1. Recommended Locations for Builder's Hardware for Standard Steel Doors and Frames, by the Door and Hardware Institute (DHI).
 - 2. Recommended locations for Architectural Hardware for flush wood doors (DHI).
 - 3. WDMA Industry Standard I.S.-1A-04, Industry Standard for Architectural wood flush doors.

3.3 INSTALLATION:

- A. Install each hardware item per manufacturer's instructions and recommendations. Do not install surface mounted items until finishes have been completed on the substrate. Set units level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.
- B. Conform to local governing agency security ordinance.
- C. Install Conforming to ICC/ANSI A117.1 Accessible and Usable Building and Facilities.
 - 1. Adjust door closer sweep periods so that from the open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches from the latch, measured to the landing side of the door.
- D. Installed hardware using the manufacturers fasteners provided. Drill and tap all screw holes located in metallic materials. Do not use "Riv-Nuts" or similar products.

3.4 FIELD QUALITY CONTROL AND FINAL ADJUSTMENT

- A. Contractor/Installers, Field Services: After installation is complete, contractor shall inspect the completed door openings on site to verify installation of hardware is complete and properly adjusted, in accordance with both the Contract Documents and final shop drawings.
 - 1. Check and adjust closers to ensure proper operation.
 - 2. Check latchset, lockset, and exit devices are properly installed and adjusted to ensure proper operation.
 - a. Verify levers are free from binding.
 - b. Ensure latchbolts and dead bolts are engaged into strike and hardware is functioning.
 - 3. Report findings, in writing, to architect indicating that all hardware is installed and functioning properly. Include recommendations outlining corrective actions for improperly functioning hardware if required.

3.5 SCHEDULE OF FINISH HARDWARE:

Manufacturer List

Code AC Name Accurate Lock & Hardware

BE Best Access Systems

BY By Others

DM Dorma Door Controls
GE GE Interlogix

GJ Glynn-Johnson

HA Hager HI HID IV Ives

LC LCN Closers

NA National Guard

PR Precision

PX ePlex/Powerplex

SC Schlage Electronics

TR Trimco
TRIM Trimco
VO VonDuprin

Option List

<u>Code</u> <u>Description</u>

C Quick Connect Wiring System

L BTB Concealed Mtd.
N Thru-Bolt w/ Flow-Thru

CE CONC/WIRE-USE WITH 10,18,54,56,58,66 SUF

FL Fire Exit Hardware LD Less Dogging

LS Latch Status Monitor (45HW,47HW)

S3 ANSI Strike Package

TS TOUCHBAR MONITORING SWITCH

CSK COUNTER SINKING OF KICK and MOP PLATES

LBR LESS BOTTOM ROD

MLR MOTORIZED LATCH RETRACTION

NRP NON REMOVEABLE PIN STD/HEAVY WT HINGE

RQE Request to Exit

SIA ABRASIVE COATING-6" WIDTH-AL OR SS TDS TOUCHBAR MONITORING DOUBLE SWITCH

VIB Double Visual Indictor Option CE-58 CONCEALED WIRES (8)

S3-7/8 ANSI Strike Package - 7/8" Flat Lip

4040-18TJ Drop Plate

CLR

BEVELED 4 EDGES - KICK PLATES

1/4-20 SSMS/EA STAINLESS MACHINE SCREWS/EXPANSION ANC.

Clear Anodized Aluminum

1/4-20-2" COMBO 1/4-20 X COMBO MS/ANCHOR (SS)

Finish List

<u>Code</u>	<u>Description</u>
AL	Aluminum
AL	Aluminum (BHMA 689)
CAS	Color As Selected by Architect

26D	Satin Chrome
626	Satin Chromium Plated
630	Satin Stainless Steel
GREY	Grey
SP28	Lacquer Sprayed Aluminum
US26D	Chromium Plated, Dull
US32D	Stainless Steel, Dull

NOTE: ALL HIGHLIGHTED ITEMS WILL BE PROVIDED BY BOULDER COUNTY

Hardware Sets

SET #1 - NOT USED

SET #2 - NOT USED

S

JLI #Z	- NOT 03ED			
1 1 1	Continuous Hinge Exit Device Rim Cylinder Mortise Cylinder Electric Strike FSE Door Pull Overhead Stop Closer Top Jamb Mount Gasket Door Sweep Threshold	780-112HD CD 35A NL-OP 12E-72 PATD 1E-74 PATD @ DOGGING 6112 FSE 8190EZHD-0 X O MTG 100S SERIES 4040XP REGARM 4040-18TJ SUPPLIED BY ALUM DOOR MFG/SUPPLIER 200 SA 8513 1/4-20 SSMS/EA SIA (VERIFY FLOOR CONDITION)	CLR 626 626 626 630 630 630 AL	HA VO BE BE VO IV GJ LC BY NA NA
1 1	Motion Sensor Door Position Switch Card Reader Power Supply	SCAN II) 1078/1076 SERIES PROXPRO II 5455BGN00 OR MINIPROX 5365EGP00 – AS REQUIRED PS902/4/6 SERIES – AS REQUIRED	CAS	SC GE HI SC
1 1 1 1 1 2	Continuous Hinge Electric Continuous Hinge Electric Power Transfer Dust Proof Strike Semi Auto Bolts Electro-mech Lock FSE Coordinator Mounting Bracket	780-112HD 780-112HD X EPT/PREP EPT 10 3911 3810 X 3820 9KW3-7DEU16D PATD S3-7/8 3094B2 3095/3096	CLR CLR SP28 630 626 626 Silver Silver	HA HA VO TR TR BE TR

1	Electric Continuous Hinge	780-112HD X EPT/PREP	CLR	HA
1	Electric Power Transfer	EPT 10	SP28	VO
1	Dust Proof Strike	3911	630	TR
1	Semi Auto Bolts	3810 X 3820	626	TR
1	Electro-mech Lock FSE	9KW3-7DEU16D PATD S3-7/8	626	BE
1	Coordinator	3094B2	Silver	TR
2	Mounting Bracket	3095/3096	Silver	TR
2	? Closer	4040XP SCUSH	AL	LC
2	! Kick Plate	K0050 10" X 2" LDW B4E CSK	630	TR
1	Drip Cap	16 A - 4" ODW		NA
1	Weatherstrip	700 SA (HEAD)		NA
2	. Weatherstrip	700 ES (JAMBS)		NA
2	Door Sweep	200 SA		NA
1	Threshold	8513 1/4-20 SSMS/EA SIA (VERIFY FLOOR		NA
		CONDITION)		
		400 00 W 5050 B	110000	

1 Astragal 139 SS X 5050 B US32D NA SCAN II 1 Motion Sensor CAS SC

2 Door Position Switch1 Card Reader	1078/1076 SERIES PROXPRO II 5455BGN00 OR MINIPROX 5365EGP00 – AS REQUIRED	CAS	GE (HI)
1 Power Supply	PS902/4/6 SERIES – AS REQUIRED		SC
SET #5			
 2 Continuous Hinge 1 Dust Proof Strike 1 Semi Auto Bolts 1 Lockset - Storeroom 1 Coordinator 2 Mounting Bracket 2 Closer 2 Kick Plate 1 Drip Cap 1 Weatherstrip 2 Weatherstrip 2 Door Sweep 1 Threshold 	780-112HD 3911 3810 X 3820 9K3-7D16D PATD S3-7/8 3094B2 3095/3096 4040XP SCUSH K0050 10" X 2" LDW B4E CSK 16 A - 4" ODW 700 SA (HEAD) 700 ES (JAMBS) 200 SA 8513 1/4-20 SSMS/EA SIA (VERIFY FLOOR CONDITION)	CLR 630 626 626 Silver Silver AL 630	HA TR TR BE TR LC TR NA NA NA NA
1 Astragal	139 SS X 5050 B	US32D	NA
SET #6 1 Electric Continuous Hinge 1 Electric Power Transfer	780-112HD X EPT/PREP EPT 10	CLR SP28	HA VO
1 Exit Device 1 Rim Cylinder 1 Mortise Cylinder 1 Electric Strike FSE 1 Door Pull 1 Overhead Stop 1 Closer Top Jamb Mount 1 Gasket 1 Door Sweep 1 Threshold	CD 35A NL-OP 12E-72 PATD 1E-74 PATD @ DOGGING 6112 FSE 8190EZHD-0 X O MTG 100S SERIES 4040XP REGARM 4040-18TJ SUPPLIED BY ALUM DOOR MFG/SUPPLIER 200 SA 8513 1/4-20 SSMS/EA SIA (VERIFY FLOOR CONDITION) SCAN II	626 626 630 630 630 AL	VO BE BE VO IV GJ LC BY NA NA
1 Motion Sensor1 Door Position Switch1 Card Reader	1078/1076 SERIES PROXPRO II 5455BGN00 OR MINIPROX	CAS CAS	SC GE HI
1 Power Supply	5365EGP00 – AS REQUIRED PS902/4/6 SERIES – AS REQUIRED		SC
SET #7			
 1 Continuous Hinge 1 Lockset - Storeroom 1 Closer 1 Overhead Stop 1 Kick Plate 1 Drip Cap 1 Weatherstrip 2 Weatherstrip 1 Door Sweep 1 Threshold 	780-112HD 9K3-7D16D PATD S3 4040XP SCUSH 4040XP REGARM @ 131C 100S SERIES @ 131C K0050 10" X 2" LDW B4E CSK 16 A - 4" ODW 700 SA (HEAD) 700 ES (JAMBS) CONDITION) 200 SA 8513 1/4-20 SSMS/EA SIA (VERIFY FLOOR CONDITION)	CLR 626 AL 630 630	HA BE LC GJ TR NA NA NA NA

SET #8 1 All Door Hardware	SUPPLIED BY SLIDING DOOR PANEL SYSTEI MFG/SUPPLIER	M	ВҮ
SET #9 3 Hinges 1 Lockset - Storeroom 1 Closer 1 Kick Plate 1 Gasketing 1 Door Sweep	5BB1 4.5 X 4.5 NRP 9K3-7D16D PATD S3 4040XP RWPA K0050 10" X 2" LDW B4E CSK 5050 B (HEAD & JAMBS) C607 A	626 626 AL 630	IV BE LC TR NA NA
3 Hinges 1 Exit Device 1 Mortise Cylinder 1 Mortise Cylinder 1 Electric Strike FSE 1 Closer 1 Wall Bumper 1 Smoke Seal 1 Motion Sensor 1 Door Position Switch 1 Card Reader	5BB1HW 4.5 X 4.5 NRP CD 35A L-NL-07 1E-74 PATD 1E-74 PATD @ DOGGING 6112 FSE 4040XP EDA 1270CVSV 5075 B (HEAD & JAMBS) SCAN II 1078/1076 SERIES PROXPRO II 5455BGN00 OR MINIPROX 5365EGP00 – AS REQUIRED PS902/4/6 SERIES – AS REQUIRED	626 626 626 630 AL 626 CAS	IV VO BE BE VO LC TR NA SC GE HI
SET #11 6 Hinges 1 Dust Proof Strike 2 Manual Flushbolt 1 Passage Set 2 Overhead Stop 2 Silencer	5BB1 4.5 X 4.5 3911 3917-12 9K3-0N16D S3 450 Series 1229A	626 630 626 626 626 GREY	IV TR TR BE GJ TR
3 Hinges 1 Lockset - Storeroom 1 Electric Strike FSE 1 Closer 1 Wall Bumper 1 Smoke Seal 1 Motion Sensor 1 Door Position Switch 1 Card Reader 1 Power Supply	5BB1 4.5 X 4.5 NRP 9K3-7D16D PATD 5100-3FP FSE 4040XP REGARM 4040XP EDA @ 103C, 127 1270CVSV 5075 B (HEAD & JAMBS) SCAN II 1078/1076 SERIES PROXPRO II 5455BGN00 OR MINIPROX 5365EGP00 – AS REQUIRED PS902/4/6 SERIES – AS REQUIRED	626 626 SP28 AL 626 CAS	IV BE VO LC TR NA SC GE HI
SET #13 3 Hinges 1 Lockset - Entrance/Office 1 Wall Bumper 1 Smoke Seal	5BB1 4.5 X 4.5 9K3-7EA16D PATD S3 1270CVSV 5075 B (HEAD & JAMBS)	626 626 626	IV BE TR NA

 3 Hinges 1 Lockset - Storeroom 1 Closer 1 Kick Plate 1 Wall Bumper 1 Gasketing 1 Door Sweep 	5BB1 4.5 X 4.5 9K3-7D16D PATD S3 4040XP REGARM K0050 10" X 2" LDW B4E CSK 1270CVSV 5050 B (HEAD & JAMBS) C607 A	626 626 AL 630 626	IV BE LC TR TR NA NA
SET #15			
3 Hinges1 Passage Set1 Wall Bumper1 Smoke Seal	5BB1 4.5 X 4.5 9K3-0N16D S3 1270CVSV 5075 B (HEAD & JAMBS)	626 626 626	IV BE TR NA
SET #16			
 3 Hinges 1 Privacy Set w/Indicator 1 Closer 1 Kick Plate 1 Mop Plate 1 Wall Bumper 1 Smoke Seal 	5BB1 4.5 X 4.5 45H-0L16H VIB 4040XP RWPA K0050 10" X 2" LDW B4E CSK KM050 6" X 1" LDW B4E CSK 1270CVSV 5075 B (HEAD & JAMBS)	626 626 AL 630 630 626	IV BE LC TR TR TR NA
SET #17			
 3 Hinges 1 Lockset - Storeroom 1 Electric Strike FSE 1 Closer 1 Wall Bumper 1 Smoke Seal 1 Motion Sensor 1 Door Position Switch 1 Card Reader 1 Power Supply 	5BB1 4.5 X 4.5 NRP 9K3-7D16D PATD 5100-3FP FSE 4040XP EDA 4040XP SCUSH @ 111B 1270CVSV OMIT @ 111B 5075 B (HEAD & JAMBS) SCAN II 1078/1076 SERIES PROXPRO II 5455BGN00 OR MINIPROX 5365EGP00 – AS REQUIRED PS902/4/6 SERIES – AS REQUIRED	626 626 SP28 AL 626 CAS	IV BE VO LC TR NA SC GE HI
SET #18			
3 Hinges1 Lockset - Storeroom1 Closer1 Wall Bumper1 Smoke Seal	5BB1 4.5 X 4.5 NRP 9K3-7D16D PATD S3 4040XP REGARM 4040XP SCUSH @ 113 1270CVSV OMIT @ 113 5075 B (HEAD & JAMBS)	626 626 AL 626	IV BE LC TR NA
SET #19 3 Hinges	5BB1 4.5 X 4.5 NRP	626	IV
1 Lockset - Storeroom 1 Electric Strike FSE 1 Closer 1 Smoke Seal 1 Motion Sensor 1 Door Position Switch 1 Card Reader	9K3-7D16D PATD 5100-3FP FSE 4040XP SCUSH 4040XP EDA @ 112 5075 B (HEAD & JAMBS) SCAN II) 1078/1076 SERIES PROXPRO II 5455BGN00 OR MINIPROX	626 SP28 AL CAS	BE VO LC NA SC GE HI
1 Power Supply	5365EGP00 – AS REQUIRED PS902/4/6 SERIES – AS REQUIRED		SC
T Fower Supply	1 0302/4/0 SENIES - AS REQUIRED		30

057 "00			
SET #20 3 Hinges 1 Lockset - Storeroom 1 Closer 1 Kick Plate 1 Wall Bumper 1 Gasketing 1 Door Sweep	5BB1 4.5 X 4.5 NRP 9K3-7D16D PATD S3 4040XP REGARM 4040XP EDA @ 244 K0050 10" X 2" LDW B4E CSK 1270CVSV 5050 B (HEAD & JAMBS) C607 A	626 626 AL 630 626	IV BE LC TR TR NA NA
SET #21			
4 Hinges 1 Lockset - Storeroom 1 Closer 1 Kick Plate 1 Wall Bumper 1 Gasketing 1 Door Sweep SET #22	5BB1 4.5 X 4.5 NRP 9K3-7D16D PATD S3 4040XP EDA K0050 10" X 2" LDW B4E CSK 1270CVSV 5050 B (HEAD & JAMBS) C607 A	626 626 AL 630 626	IV BE LC TR TR NA NA
3 Hinges	5BB1 4.5 X 4.5	626	IV
1 Lockset - Entrance/Office1 Wall Bumper1 Smoke Seal	9K3-7EA16D PATD S3 1270CVSV 5075 B (HEAD & JAMBS)	626 626	BE TR NA
SET #23			
 3 Hinges 1 Electronic Pushbutton Lock 1 Cormax Core 1 Closer 1 Kick Plate 1 Mop Plate 1 Wall Bumper 1 Gasketing 	5BB1 4.5 X 4.5 NRP P2031BLL41 ICX-7 4040XP REGARM K0050 10" X 2" LDW B4E CSK KM050 6" X 1" LDW B4E CSK 1270CVSV 5050 B (HEAD & JAMBS)	630 626 626 AL 630 630	IV PX BE LC TR TR TR NA
SET #24			
 3 Hinges 1 Exit Device 1 Mortise Cylinder 1 Closer 1 Wall Bumper 1 Smoke Seal 	5BB1HW 4.5 X 4.5 CD 35A L-BE-07 1E-74 PATD @ DOGGING 4040XP EDA 1270CVSV 5075 B (HEAD & JAMBS)	626 626 626 AL 626	IV VO BE LC TR NA
SET #25			
3 Hinges1 Exit Device1 Mortise Cylinder1 Closer1 Smoke Seal	5BB1HW 4.5 X 4.5 CD 35A L-BE-07 1E-74 PATD @ DOGGING 4040XP SCUSH 5075 B (HEAD & JAMBS)	626 626 626 AL	IV VO BE LC NA
SET #26			
 2 Hinges 1 Electric Hinge 1 Electro-mech Lock 1 Closer 1 Wall Bumper 1 Smoke Seal 1 Motion Sensor 1 Door Position Switch 	5BB1 4.5 X 4.5 5BB1 TW8 4.5 X 4.5 45HW-7TDEU16H PATD VIB 4040XP REGARM 1270CVSV 5075 B (HEAD & JAMBS) SCAN II 1078/1076 SERIES	626 626 626 AL 626 CAS	IV IV BE LC TR NA SC GE

1 Card Reader	PROXPRO II 5455BGN00 OR MINIPROX 5365EGP00 – AS REQUIRED		HI
1 Power Supply	PS902/4/6 SERIES – AS REQUIRED		SC
SET #27 3 Hinges 1 Lockset - Storeroom 1 Closer 1 Kick Plate 1 Gasketing 1 Door Sweep	5BB1 4.5 X 4.5 NRP 9K3-7D16D PATD S3 4040XP EDA K0050 10" X 2" LDW B4E CSK 5050 B (HEAD & JAMBS) C607 A	626 626 AL 630	IV BE LC TR NA NA
SET #28 3 Hinges 1 Lockset - Storeroom 1 Closer 1 Kick Plate 1 Mop Plate 1 Wall Bumper 1 Gasketing	5BB1 4.5 X 4.5 9K3-7D16D PATD S3 4040XP REGARM K0050 10" X 2" LDW B4E CSK KM050 6" X 1" LDW B4E CSK 1270CVSV 5050 B (HEAD & JAMBS)	630 626 AL 630 630 626	IV BE LC TR TR TR NA
6 Hinges 1 Dust Proof Strike 1 Semi Auto Bolts 1 Lockset - Storeroom 1 Coordinator 2 Mounting Bracket 1 Closer 1 Closer 2 Kick Plate 1 Wall Bumper 2 Door Sweep 1 Gasketing 1 Astragal	5BB1 4.5 X 4.5 NRP 3911 3810 X 3820 9K3-7D16D PATD S3-7/8 3094B2 3095/3096 4040XP SCUSH 4040XP EDA K0050 10" X 2" LDW B4E CSK 1270CVSV C607 A 5050 B (HEAD & JAMBS) 158 SA	626 630 626 626 Silver Silver AL AL 630 626	IV TR TR BE TR TC LC TR TR NA NA
SET #30 1 Hinges 1 Lockset – Storeroom 1 Electric Strike FSE 1 Closer 1 Wall Bumper 1 Smoke Seal 1 Motion Sensor 1 Door Position Switch 1 Card Reader 1 Power Supply 1 Release Button Console	5BB1HW 4.5 X 4.5 NRP 9K3-7D16D PATD 6211 DS EB 4040XP REGARM 1270CVSV 5075 B (HEAD & JAMBS) SCAN II 1078/1076 SERIES PROXPRO II 5455BGN00 OR MINIPROX 5365EGP00 – AS REQUIRED PS902/4/6 SERIES – AS REQUIRED CC403DTM	626 626 630 AL 626 CAS	IV BE VO LC TR NA SC GE HI SC DM
SET #31 – NOT USED			
SET #32 3 Hinges 1 Electric Power Transfer 1 Exit Device	5BB1HW 4.5 X 4.5 NRP EPT 10 35A X E360-07 ALK-LX	626 SP28 626	IV VO VO

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 1 Mortise Cylinder 1 Closer 1 Wall Bumper 1 Smoke Seal 1 Door Position Switch 2 Card Reader 1 Power Supply 	1E-74 PATD @ ALARM 4040XP EDA 1270CVSV 5075 B (HEAD & JAMBS) 1078/1076 SERIES PROXPRO II 5455BGN00 OR MINIPROX 5365EGP00 – AS REQUIRED PS902/4/6 SERIES – AS REQUIRED	626 AL 626 CAS	BE LC TR NA GE HI
SET #33 3 Hinges 1 Push Plate 1 Pull Plate 1 Closer 1 Kick Plate 1 Mop Plate 1 Wall Bumper 1 Smoke Seal	5BB1 4.5 X 4.5 1001-9 1018-3B 4040XP REGARM K0050 10" X 2" LDW B4E CSK KM050 6" X 1" LDW B4E CSK 1270CVSV 5075 B (HEAD & JAMBS)	626 630 630 AL 630 630	IV TR TR LC TR TR TR NA
SET #34 1 All Door Hardware	REUSE EXISTING		BY
3 Hinges 1 Exit Device 1 Mortise Cylinder 1 Mortise Cylinder 1 Electric Strike FSE 1 Closer 1 Smoke Seal 1 Motion Sensor 1 Door Position Switch 1 Card Reader 1 Power Supply	5BB1HW 4.5 X 4.5 CD 35A L-NL-07 1E-74 PATD 1E-74 PATD @ DOGGING 6112 FSE 4040XP SCUSH 5075 B (HEAD & JAMBS) SCAN II 1078/1076 SERIES PROXPRO II 5455BGN00 OR MINIPROX 5365EGP00 – AS REQUIRED PS902/4/6 SERIES – AS REQUIRED	626 626 626 626 630 AL CAS	IV VO BE BE VO LC NA SC GE HI
SET #36 3 Hinges 1 Passage Set 1 Wall Bumper 1 Gasket	5BB1 4.5 X 4.5 9K3-0N16D S3 1270CVSV SUPPLIED BY ALUM FRAME MFG/SUPPLIER	626 626 626	IV BE TR BY
SET #37 3 Hinges 1 Passage Set 1 Closer 1 Overhead Stop 1 Wall Bumper 1 Smoke Seal	5BB1 4.5 X 4.5 9K3-0N16D S3 4040XP REGARM OMIT @ 249 910 SERIES @ DOOR 249 1270CVSV OMIT @ 249 5075 B (HEAD & JAMBS)	626 626 AL 626 626	IV BE LC DM TR NA
SET #38 6 Hinges 1 Dust Proof Strike 2 Manual Flushbolt	5BB1 4.5 X 4.5 3911 3917-12	626 630 626	IV TR TR

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1 Passage Set1 Overhead Stop1 Wall Bumper2 Silencer	9K3-0N16D S3 700 Series 1270CVSV 1229A	626 626 626 GREY	BE DM TR TR
SET #39 – NOT USED			
SET #40 - NOT USED			
SET #41 – NOT USED			
SET #42 – NOT USED			
SET #43 – NOT USED			
SET #44 – NOT USED			
SET #45 6 Hinges 2 Electric Power Transfer	5BB1HW 4.5 X 4.5 NRP EPT 10	626 SP28	IV VO
 Exit Device Exit Device Mortise Cylinder Closer Wall Bumper Astragal Smoke Seal Smoke Seal Door Position Switch Card Reader Power Supply 	RX 3547A-EO-F LBRAFL QEL RX 3547A L-NL-F-07 LBR 1E-74 PATD 4040XP EDA 1270CVSV 5070 B 84" 5075 B (HEAD & JAMBS) 1078/1076 SERIES PROXPRO II 5455BGN00 OR MINIPROX 5365EGP00 – AS REQUIRED PS914 SERIES – AS REQUIRED	626 626 626 AL 626	VO VO BE LC TR NA NA GE HI
SET #46 4 Hinges 1 Push Plate 1 Pull Plate 1 Closer 1 Kick Plate 1 Wall Bumper 1 Smoke Seal	5BB1HW 4.5 X 4.5 1001-9 1018-3B 4040XP EDA K0050 10" X 2" LDW B4E CSK 1270CVSV 5075 B (HEAD & JAMBS)	626 630 630 AL 630 626	IV TR TR LC TR TR NA
3 Hinges 1 Lockset - Storeroom 1 Electric Strike FSE 1 Closer 1 Kick Plate 1 Wall Bumper 1 Smoke Seal 1 Motion Sensor 1 Door Position Switch 1 Card Reader	5BB1 4.5 X 4.5 NRP 9K3-7D16D PATD 5100-3FP FSE 4040XP EDA K0050 10" X 2" LDW B4E CSK 1270CVSV 5075 B (HEAD & JAMBS) SCAN III 1078/1076 SERIES PROXPRO II 5455BGN00 OR MINIPROX 5365EGP00 – AS REQUIRED PS902/4/6 SERIES – AS REQUIRED	626 626 SP28 AL 630 626 CAS	IV BE VO LC TR TR NA SC GE HI

SET #48

3 Hinges	FBB168 4 1/2 X 4 1/2 NRP	US26D	ST
1 Electric Power Transfer	EPT 10	SP28	VO
1 Exit Device	35A X E360-07 ALK-LX	626	VO
1 Mortise Cylinder	1E-74 PATD @ ALARM	626	BE
1 Closer	4040XP EDA	AL	LC
1 Wall Bumper	1270CVSV	626	TR
1 Smoke Seal	5075 B (HEAD & JAMBS)		NA
1 Motion Sensor	SCAN II	CAS	SC
1 Door Position Switch	1078/1076 SERIES	CAS	GE
1 Card Reader	PROXPRO II 5455BGN00 OR MINIPROX		HI
	5365EGP00 – AS REQUIRED		
1 Power Supply	PS902/4/6 SERIES – AS REQUIRED		SC

END SECTION

SECTION 08 8000

GLAZING

PART 1 GENERAL

- 1.01 SECTION INCLUDES
 - A. Insulating glass units.
 - B. Monolithic glass.
 - C. Glazing compounds.
- 1.02 REFERENCE STANDARDS
 - A. 16 CFR 1201 Safety Standard for Architectural Glazing Materials.
 - B. ANSI Z97.1 American National Standard for Safety Glazing Materials Used in Buildings Safety Performance Specifications and Methods of Test.
 - C. ASTM C864 Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers.
 - D. ASTM C920 Standard Specification for Elastomeric Joint Sealants.
 - E. ASTM C1036 Standard Specification for Flat Glass.
 - F. ASTM C1048 Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass.
 - G. ASTM C1172 Standard Specification for Laminated Architectural Flat Glass.
 - H. ASTM C1193 Standard Guide for Use of Joint Sealants.
 - I. ASTM C1376 Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass.
 - J. ASTM E1300 Standard Practice for Determining Load Resistance of Glass in Buildings.
 - K. ASTM E2190 Standard Specification for Insulating Glass Unit Performance and Evaluation.
 - L. GANA (GM) GANA Glazing Manual.
 - M. GANA (SM) GANA Sealant Manual.
 - N. NFRC 100 Procedure for Determining Fenestration Product U-factors.
 - O. NFRC 200 Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence.
 - P. NFRC 300 Test Method for Determining the Solar Optical Properties of Glazing Materials and Systems.
- 1.03 SUBMITTALS
 - A. See Section 01 3000 Administrative Requirements for submittal procedures.
 - B. Product Data on Insulating Glass Unit Types: Provide structural, physical and environmental characteristics, size limitations, special handling and installation requirements.
 - C. Product Data on Glazing Compounds and Accessories: Provide chemical, functional, and environmental characteristics, limitations, special application requirements, and identify available colors.
 - D. Samples: Submit two samples 12 by 12 inch in size, showing coloration and design of each type of glass specified.
 - E. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.04 QUALITY ASSURANCE

- A. Perform Work in accordance with GANA Glazing Manual and GANA Sealant Manual for glazing installation methods.
- B. Installer Qualifications: Company specializing in performing the work of this Section with minimum three years documented experience.
- C. Provide each type of glass, primary sealant, and gasket from a single manufacturer with not less than five years documented experience in the production of required materials.
- D. Basis of Design: Specifications for certain glass products are based on specific glass types by the specified basis of design manufacturer. Glass types manufactured by other acceptable manufacturers are permitted, subject to compliance with all performance requirements; and provided that deviations in performance and coloration are minor, and do not detract substantially from the indicated design intent.
 - 1. Comply with requirements specified in Section 01 4000 and Section 01 6000.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturer's instructions for shipping, handling, storing, and protection of glass and glazing materials. Exercise exceptional care to prevent edge damage to glass, and damage to coatings.
- B. Where insulating glass units will be exposed to substantial altitude changes during shipping, comply with manufacturer's recommendations for venting and sealing.

1.06 FIELD CONDITIONS

- A. Do not install glazing when ambient temperature is less than 40 degrees F.
- B. Maintain minimum ambient temperature before, during and 24 hours after installation of glazing compounds.
- C. Install sealants only when ambient temperature conditions can be maintained at or above 40 degrees F during installation and 48 hours immediately following installation.

1.07 WARRANTY

- A. See Section 01 7800 Closeout Submittals for additional warranty requirements.
- B. Insulating Glass Units: Provide a five (5) year manufacturer warranty to include coverage for seal failure, interpane dusting or misting, including providing products to replace failed units.
- C. Laminated Glass: Provide a five (5) year manufacturer warranty to include coverage for delamination, including providing products to replace failed units.

PART 2 PRODUCTS

2.01 PERFORMANCE REQUIREMENTS - EXTERIOR GLAZING ASSEMBLIES

- A. Provide type and thickness of exterior glazing assemblies to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of glass.
 - 1. Design Pressure: Calculated in accordance with applicable codes.
 - 2. Comply with ASTM E1300 for design load resistance of glass type, thickness, dimensions, and maximum lateral deflection of supported glass.
 - 3. Provide glass edge support system sufficiently stiff to limit the lateral deflection of supported glass edges to less than 1/175 of their lengths under specified design load.
 - 4. Design glazing units to reliably perform and remain reliably engaged on all edges under all service and thermal stresses, including those associated with partial shading.
 - 5. Limit center of glass deflection to the lesser of 3/4 inch or L/100 (where L is short side dimension of glass unit), or flexure limit of glass, whichever is less, with full recovery of glazing materials.
 - 6. Assure and confirm compatibility of all materials in contact with each other.
 - 7. Glass thicknesses listed are minimum.

- B. Thermal and Optical Performance: Provide exterior glazing products with performance properties as indicated. Performance properties are in accordance with manufacturer's published data as determined with the following procedures and/or test methods:
 - 1. Center of Glass U-Value: Comply with NFRC 100 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
 - 2. Center of Glass Solar Heat Gain Coefficient (SHGC): Comply with NFRC 200 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
 - 3. Solar Optical Properties: Comply with NFRC 300 test method.

2.02 GLASS MATERIALS

- A. Float Glass: Provide float glass based glazing unless otherwise indicated.
 - 1. Annealed Type: ASTM C1036, Type I Transparent Flat, Class 1 Clear, Quality Q3.
 - 2. Kind HS Heat-Strengthened Type: Complies with ASTM C1048.
 - 3. Kind FT Fully Tempered Type: Complies with ASTM C1048.
 - 4. Fully Tempered Safety Glass: Complies with ANSI Z97.1 or 16 CFR 1201 criteria for safety glazing used in hazardous locations.
 - Impact Resistant Safety Glass: Complies with ANSI Z97.1 Class B, or 16 CFR 1201 Category I criteria.
 - 6. Thicknesses: As indicated; provide greater thickness as required for exterior glazing wind load design.
- B. Laminated Glass: Float glass laminated in accordance with ASTM C1172.
 - 1. Laminated Safety Glass: Complies with ANSI Z97.1 Class B or 16 CFR 1201 Category I impact test requirements.
 - 2. Polyvinyl Butyral (PVB) Interlayer: 0.060 inch thick, minimum.
 - 3. Acceptable Manufacturers:
 - a. 3M Window Film: www.solutions.3m.com/#sle.
 - b. Flexvue Films: www.flexvuefilms.com/#sle.
 - c. Kuraray America, Inc.: www.kuraray.us.com/#sle.
 - d. Madico, Inc.: www.madico.com.
 - e. Substitutions: See Section 01 6000 Product Requirements.

2.03 INSULATING GLASS UNIT APPLICATIONS

- A. Acceptable Insulating Glass Unit Manufacturers:
 - 1. Fabricator certified by glass manufacturer for type of glass, coating, and treatment involved and capable of providing specified warranty.
 - 2. Substitutions: See Section 01 6000 Product Requirements.
- B. General Combined Requirements: If a particular glass unit is indicated to comply with more than one type of requirement, such as color, safety characteristics, or other requirements, comply with all specified requirements for each type as scheduled on Drawings.
- C. Insulating Glass Units: Types as indicated on Drawings.
 - 1. Basis of Design: As specified in this Section below.
 - 2. Durability: Certified by an independent testing agency to comply with ASTM E2190.
 - 3. Coated Glass: Comply with requirements of ASTM C1376 for pyrolytic (hard-coat) or magnetic sputter vapor deposition (soft-coat) type coatings on flat glass; coated vision glass, Kind CV; coated overhead glass, Kind CO; or coated spandrel glass, Kind CS.
 - 4. Warm-Edge Spacers: Polypropylene warm-edge technology design.
 - a. Spacer Width: As required for specified insulating glass units.
 - b. Spacer Height: Manufacturer's standard.
 - c. Acceptable Products:
 - 1) Quanex IG Systems, Inc.; Super Spacer TriSeal: www.quanex.com/#sle.
 - 2) Technoform Glass Insulation; TGI-Spacer: www.glassinsulation.us/#sle.
 - 3) Substitutions: See Section 01 6000 Product Requirements.
 - 5. Spacer Color: Black.
 - Edge Seal:
 - a. Dual-Sealed System: Provide polyisobutylene sealant as primary seal applied between spacer and glass panes, and silicone sealant as secondary seal applied around perimeter.
 - b. Color: Black.

- 7. Purge interpane space with dry air, hermetically sealed.
- 8. Breather Tubes: Provide tubes from air space for insulating glass units without inert type gas that have a change of altitude greater than 2500 feet between point of fabrication and point of installation to permit pressure equalization of air space.
 - a. Breather Tubes: Seal breather tubes upon installation in accordance with insulating glass fabricator's requirements.
- 9. Space between lites filled with air.
- 10. Total Thickness: 1 inch.
- 11. Glazing Method: Dry glazing method, gasket glazing.
- D. Insulating Glass Units: Safety glazing.
 - Applications:
 - a. Glazed lites in exterior doors.
 - b. Glazed sidelights and panels next to doors.
 - c. Locations required by applicable federal, state, and local codes and regulations.
 - d. Other locations specified or indicated on Drawings.
 - Glass Type: Same as other vision glazing except use fully tempered float glass for both outboard and inboard lites.

2.04 BASIS OF DESIGN - INSULATING GLASS UNITS

- A. Basis of Design Insulating Glass Units: Vision glazing, with low-e coating.
 - 1. Applications: Exterior insulating glass glazing unless otherwise indicated.
 - 2. Thermal Transmittance (U-Value): As specified on Drawings, maximum.
 - 3. Solar Heat Gain Coefficient (SHGC): As specified on Drawings, maximum.
 - Coated Glass: Comply with requirements of ASTM C1376 for pyrolytic (hard-coat) or magnetic sputter vapor deposition (soft-coat) type coatings on flat glass; coated vision glass, Kind CV; coated overhead glass, Kind CO; or coated spandrel glass, Kind CS.
 - 5. Basis of Design Vitro Architectural Glass (formerly PPG Glass): www.vitroglazings.com/#sle.
 - 6. Outboard Lite: Heat-strengthened float glass, 1/4 inch thick, minimum.
 - a. Low-E Coating: Vitro Architectural Glass (formerly PPG Glass) Solarban 60 on #2 surface.
 - b. Glass: Clear.
 - 7. Inboard Lite: Heat-strengthened float glass, 1/4 inch thick.
 - a. Coating: No coating on inboard lite.
 - b. Glass: Clear.
 - 8. Substitutions: See Section 01 6000 Product Requirements.

2.05 MONOLITHIC GLAZING UNITS

- A. Monolithic Interior Vision Glazing:
 - Applications: Interior glazing unless otherwise indicated.
 - 2. Glass Type: Fully tempered float glass.
 - 3. Tint: Clear.
 - 4. Thickness: 1/4 inch, nominal.
 - 5. Glazing Method: Dry glazing method, gasket glazing.
- B. Transparent One-Way Mirror: Mirror quality float glass with pyrolytic (hard coat) type coating located on high light level surface of glass; ASTM C1376.
 - 1. Applications: Locations as indicated on the Drawings.
 - 2. Thickness: 1/4 inch.
 - 3. Glass Tint: Grev.
 - 4. Glass Type: Fully tempered.
 - 5. Lighting Ratio: Maintain at least 8:1 lighting level ratio between coated side (bright-observed side) and uncoated side (dim-observer side).
 - Glazing Method: Gasket glazing.
 - 7. Acceptable Manufacturer:
 - a. Pilkington North America Inc.; Pilkington Mirropane Transparent Mirror: www.pilkington.com/na/#sle.
 - b. Substitutions: See Section 01 6000 Product Requirements.

2.06 GLAZING COMPOUNDS

- A. General Requirements:
 - 1. Provide black exposed glazing accessory materials, unless specifically indicated otherwise.
 - 2. Provide materials of hardness as recommended by manufacturer for required application and condition of installation in each case. Provide only compounds which are known to be fully compatible with surfaces contacted, including glass products, seals, and glazing channel surfaces.
- B. Silicone Sealant: Single component; neutral curing; capable of water immersion without loss of properties; non-bleeding, non-staining; ASTM C920, Type S, Grade NS, Class 25, Uses M, A, and G; with cured Shore A hardness range of 15 to 25; black color.

2.07 ACCESSORIES

- A. Setting Blocks: Silicone, with 80 to 90 Shore A durometer hardness; ASTM C864 Option II. Length of 0.1 inch for each square foot of glazing or minimum 4 inch by width of glazing rabbet space minus 1/16 inch by height to suit glazing method and pane weight and area.
- B. Spacer Shims: Neoprene, 50 to 60 Shore A durometer hardness; ASTM C864 Option II. Minimum 3 inch long by one half the height of the glazing stop by thickness to suit application, self adhesive on one face.
- C. Glazing Gaskets: Resilient silicone extruded shape to suit glazing channel retaining slot; ASTM C864 Option II; color black.
 - 1. Size gaskets as required by manufacturer of glazing channel frame to provide proper pressure and bite on glazing units.
- Glass Mounting System Components: Extruded aluminum, satin anodized finish, unless otherwise specified.
 - 1. Acceptable Manufacturer:
 - a. C.R. Laurence Co., Inc.: www.crlaurence.com.
 - 1) Face Plate Clamps: Catalog #EH13, brushed nickel.
 - 2) Corner Posts Extrusions: Catalog #6421000.
 - 3) Center Post Extrusions: Catalog #6432000.
 - 4) Post Mounting Base: Catalog #6406002, mill finish.
 - b. Substitutions: Refer to Section 01 6000 Product Requirements.

PART 3 EXECUTION

3.01 VERIFICATION OF CONDITIONS

- A. Verify that openings for glazing are correctly sized and within tolerances, including those for size, squareness, and offsets at corners.
- B. Verify that the minimum required face and edge clearances are being provided.
- C. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and support framing is ready to receive glazing system.
- D. Proceed with glazing system installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Clean contact surfaces with appropriate solvent and wipe dry within maximum of 24 hours before glazing. Remove coatings that are not tightly bonded to substrates.
- B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.
- C. Prime surfaces scheduled to receive sealant where required for proper sealant adhesion.
- D. Sealed Insulating Glass Units: Seal breather tubes immediately prior to glass unit installation with bead of silicone sealant according to sealed insulating glass unit manufacturers requirements; do not crimp, bend, or otherwise damage breather tubes.

3.03 INSTALLATION - GENERAL

- A. Install glazing in compliance with written instructions of glass, gaskets, and other glazing material manufacturers, unless more stringent requirements are indicated, including those in glazing referenced standards.
- B. Install glazing sealants in accordance with ASTM C1193, GANA (SM), and manufacturer's instructions.
- C. Do not exceed edge pressures around perimeter of glass lites as stipulated by glass manufacturer.
- D. Set glass lites of system with uniform pattern, draw, bow, and similar characteristics.
- E. Set glass lites in proper orientation so that coatings face exterior or interior as indicated.
- F. Prevent glass from contact with any contaminating substances that may be the result of construction operations such as, and not limited to the following; weld splatter, fire-safing, plastering, mortar droppings, etc.

3.04 INSTALLATION - DRY GLAZING METHOD (GASKET GLAZING)

- A. Application Exterior and/or Interior Glazed: Set glazing infills from either the exterior or the interior of the building.
- B. Place setting blocks at 1/4 points with edge block no more than 6 inch from corners; do not block weep paths.
- C. Rest glazing on setting blocks and push against fixed stop with sufficient pressure on gasket to attain full contact.
- D. Install removable stops without displacing glazing gasket; exert pressure for full continuous contact.

3.05 CLEANING

- A. Remove excess glazing materials from finish surfaces immediately after application using solvents or cleaners recommended by manufacturers.
- B. Remove nonpermanent labels immediately after glazing installation is complete.
- C. Clean glass and adjacent surfaces after sealants are fully cured.
- D. Clean glass on both exposed surfaces not more than 4 days prior to Date of Substantial Completion in accordance with glass manufacturer's written recommendations.

3.06 PROTECTION

A. Remove and replace glass that is damaged during construction period prior to Date of Substantial Completion.

END OF SECTION



VIEW OF LOBBY FROM FRONT DOOR



ABBREVIATIONS LEGEND: MATERIALS LEGEND: GRAPHIC SYMBOLS @ = AT, THEREFORE EXTERIOR ELEVATION REFERENCE A.L.T. = ALTERNATE ফু **♦** A101 ACT= ACOUSTICAL CEILING TILE ADJ. = ADJACENT CONCRETE A.F.F. = ABOVE FINISH FLOOR ARCH. = ARCHITECT BLDG. = BUILDING BLKG. = BLOCKING INTERIOR ELEVATION REFERENCE B.O. = BOTTOM OF B.O.D. = BASIS OF DESIGN BRG. = BEARING **B.S. = BOTH SIDES** BSMT. = BASEMEN BYND = BEYOND C.F.C.I. = CONTRACTOR FURNISHED CONTRACTOR INSTALLED **ENLARGED DETAIL MARKER** CL = CENTERLINE CLG. = CEILING COL. = COLUMN CONC. = CONCRETE CMU **BUILDING SECTION** CONN. = CONNECT(ION) CONT. = CONTINUOUS COORD. = COORDINATE CRT. = CARPET DBL. = DOUBLE DET. = DETAIL DIA. = DIAMETER WALL SECTION DIM. = DIMENSION WOOD DR. = DOOR DS = DOWNSPOUT DW = DISHWASHER EA. = EACH **NORTH ARROW** ELEC. = ELECTRICAL **ELEV. = ELEVATION** EQ. = EQUAL STUCCO ESMT. = EASEMENT WALL/PARTITION TYPE IDENTIFICATION E.W. = EACH WAY (FLAG INDICATES STARTING (E) or EXST. = EXISTING POINT OF WALL TYPE, RE: A-001 EXT. = EXTERIOR FOR WALL/PARTION TYPES) FC = FACE FD = FLOOR DRAIN FE = FIRE EXTINGUISHER CABINET ASSEMBLY TAG F1 **GROUT** FF = FLUSH FACE (WALL/FLOOR/ROOF TYPE) FND = FOUNDATION FIN. = FINISH FLR. = FLOOR ROOM IDENTIFICATION FOC = FACE OF CONCRETE FOF = FACE OF FRAMING FOM = FACE OF MASONRY FOS = FACE OF STRUCTURE STEEL FOST = FACE OF STONE DOOR WITH TAG FP = FIREPLACE FTG = FOOTING GFI = GROUND FAULT INTERRUPTER **REVISION TAG** RFI-01 GL = GLASS GLB = GLU-LAM BEAM GWB = GYPSUM WALL BOARD ALUMINUM (S01) SHEET NOTE HB = HOSE BIB HC = HOLLOW CORE HDR = HEADER 03.01 **KEYNOTE** HT = HEIGHT IBC = INTERNATIONAL BUILDING CODE IRC = INTERNATIONAL RESIDENTIAL CODE TL-01 (T) FINISH TAG INSUL. = INSULATION INT. = INTERIOR RIGID INSULATION WINDOW TYPE JST = JOIST IDENTIFICATION LAV = LAVATORY MAX. = MAXIMUM MECH. = MECHANICAL MFR. = MANUFACTURER CASEWORK IDENTIFICATION MIN. = MINIMUMMLB = MICRO-LAM BEAM BATT INSULATION MTL = METAL GRID MARKER N.I.C. = NOT IN CONTRACT NTS = NOT TO SCALE O.C. = ON CENTER O.D. = OVERFLOW DRAIN SPOT ELEVATION O.F.C.I. = OWNER FURNISHED CONTRACTOR INSTALLED O.F.O.I = OWNER FURNISHED OWNER INSTALLED O.H. = OVERHANG **GYPSUM** OPP. = OPPOSITE BREAKLINE P = PAINTPL = PLATE PLAM = PLASTIC LAMINATE ----- LINE ABOVE, BELOW, BEHIND PLY = PLYWOOD P.I.P = POURED IN PLACE P.T. = PRESSURE TREATED BUILDING MATCH LINE R = RADIUS RD = ROOF DRAIN RE: = REFER TO OR REFERENCE REINF. = REINFORCING REQ'D. = REQUIRED RM = ROOMRO = ROUGH OPENING

VICINITY MAP:

SC = SOLID CORE

SF = SQUARE FEET SHT = SHEET

SHTG = SHEATHING

SPECS. = SPECIFICATIONS

S.O.G. = SLAB ON GRADE

SS = STAINLESS STEEL

SSM = SOLID SURFACE

STRL. = STRUCTURAL

SUBFLR = SUBFLOOR

SW = SHEAR WALL

TB = THROUGH BOLT TBD = TO BE DETERMINED T.G. = TEMPERED GLASS

T.O.C. = TOP OF CONCRETE

W/D = WASHER AND DRYER

U.O.N. = UNLESS OTHERWISE NOTED

T.O.W. = TOP OF WALL TYP. = TYPICAL

VB = VAPOR BARRIER VERT. = VERTICAL V.I.F. = VERIFY IN FIELD

WC = WATER CLOSET

ST = STAIN

STL = STEEL

T = TREAD

T.O. = TOP OF

W/ = WITH

WD. = WOOD WIN. = WINDOW

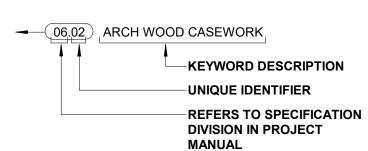


GENERAL NOTES:

- 1. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE. IF ADDITIONAL DIMENSIONS ARE REQUIRED, CONTACT ARCHITECT.
- 2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AND LAY OUT PROPOSED WORK PRIOR TO CONSTRUCTION IN NEW WORK AREA. REPORT DISCREPANCIES TO ARCHITECT FOR RESOLUTION. 3. IN THE EVENT OF CONFLICTING OR UNCLEAR
- INFORMATION, CONTRACTOR SHALL CONTACT ARCHITECT FOR CLARIFICATION DURING THE WORK AFFECTED. 4. SITE SURVEY PROVIDED IS DEEMED TO BE RELIABLE AND ACCURATE. CONTRACTOR TO NOTIFY ARCHITECT AND
- CIVIL ENGINEER WHEN DISCREPANCIES ARE **ENCOUNTERED PRIOR TO OR DURING CONSTRUCTION** ALL WORK SHALL CONFORM TO APPLICABLE CODES. NOTIFY ARCHITECT OF ANY CONDITIONS OR DETAILS WHICH ARE DEEMED TO BE NONCONFORMING.

USING THE KEYNOTE SYSTEM

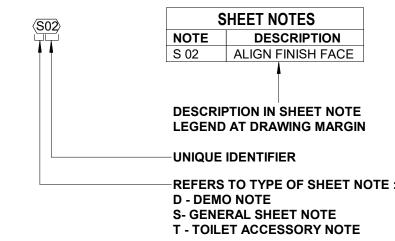
KEYNOTE SYSTEM IN THIS DRAWING SET IS DESIGNED AS A REFERENCE FOR THE PROJECT MANUAL



NOTE: KEYWORD DESCRIPTION IS USED IN KEYWORD LEGEND ON PLANS AND ON KEYNOTE TAG ON ELEVATIONS, SECTIONS AND

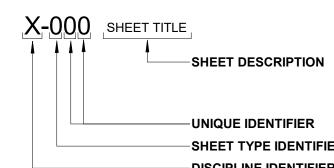
USING THE SHEET NOTES

SHEET NOTE SYSTEM IN THIS DRAWING SET IS DESIGNED TO CONVEY INFORMATION AND DIRECTION NOT SPECIFIC TO THE PROJECT MANUAL.



NOTE: ALL SHEET NOTE DESCRIPTIONS ARE SORTED BY SHEET AND LOCATED IN THE SHEET NOTE LEGEND. SHEET NOTES ARE NOT ALWAYS IN SUCCESSIVE ORDER

SHEET ORGANIZATION



		UNIQUE IDENTIFIER	
		SHEET TYPE IDENTIFIER	
		DISCIPLINE IDENTIFIER	
AR	CHITECTU	RE SHEET TYPES:	
0	(A-000)	GENERAL - WALL TYPES	
1	(A-100)	PLANS / REFLECTED CEILING PLANS	
2	(A-200)	EXTERIOR BUILDING ELEVATIONS	
3	(A-300)	SECTIONS	

BUILDING SECTIONS / WALL SECTIONS 4 (A-400) LARGE-SCALE VIEWS VERTICAL CIRCULATION / ENLARGED PLANS / INTERIOR ELEVATIONS DETAILS SCHEDULES AND DIAGRAMS 6 (A-600)

(A-700) NOT USED 8 (A-800) 3D VIEWS 9 (A-900) INTERIORS

DISCIPLINE IDENTIFIER LEGEND:

G	GENERAL
2	CIVIL
٩S	LANDSCAPE
S	STRUCTURAL
٩D	ARCHITECTURAL DEMOLITION
4	ARCHITECTURAL
4	ARCHITECTURAL INTERIORS
-P	FIRE PROTECTION
>	PLUMBING
M	MECHANICAL
Ξ =Α	ELECTRICAL
=A	FIRE ALARM

SECURITY

FA

PROJECT TEAM

OWNER		
BOULDER COUNTY	GENERAL	_
P.O. BOX 471 BOULDER, CO 80306	G-000	COVER
CONTACT: KARLA SCHULTZ	G-001	GENERAL PROJECT IN
EMAIL: kschultz@bouldergov.org TEL: 303.360.9363	G-010	CODE ANALYSIS
	G-011	FIRE AND LIFE SAFETY
ARCHITECT STUDIOTROPE DESIGN COLLECTIVE		

2942 WELTON ST CI\ DENVER, CO 80205 TEL: 303.308.1144 C0 EMAIL: geki@studiotrope.com TEL: 303.308.1144

S5.02

A-400

ACOUSTICS K2 AUDIO

5777 CENTRAL AVE. #225 BOULDER, CO 80301 **CONTACT: MATT WHITNEY** EMAIL: matt@k2avt.com TEL: 303.865.5500 **STRUCTURAL**

BOULDER, CO 80301 **CONTACT: RYAN SPALDING** EMAIL: rspalding@anthemstructural.com TEL: 303.848.8497 MECH/LEED PCD ENGINEERING 323 3RD AVENUE # 100 LONGMONT, CO 80501 **CONTACT: BRIAN EHLE**

ANTHEM

2213 CENTRAL AVE

TEL: 720.507.6550

EMAIL: brian@pcdengineering.com TEL: 303.912.6056 LIGHTING DESIGN ENLIGHTEN 12364 W ALAMEDA PARKWAY #135 LAKEWOOD, CO 80228 **CONTACT: LAYNE WEBBER** EMAIL: layne@enlighten-eng.com

CIVIL ENGINEERING JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302 CONTACT: DANIELLE BREEDLOVE EMAIL: dbreedlove@jvajva.com TEL: 303.565.4935

CHEET INDEV

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-001	GENERAL PROJECT INFORMATION
-010	CODE ANALYSIS
-011	FIRE AND LIFE SAFETY PLANS
IVIL	
0.1	LEGEND, NOTES, AND ABBREVIATIONS
1.0	CIVIL SITE PLAN
TRUCTU	RAL
0.01	STRUCTURAL COVER SHEET
1.01	FOUNDATION PLAN
1.02	2ND FLOOR FRAMING PLAN
1.03	ROOF FRAMING PLAN
4.01	ELEVATIONS, BLOWN-UP PLANS
5.01	DETAILS

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DETAILS

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         ELEVATIONS - EXTERIOR BUILDING ELEVATIONS
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MECHANICAL LEGEND & NOTES

MECHANICAL SCHEDULES

MECHANICAL CONTROLS & NOTES

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LEVEL 02 - DEMO LIGHTING FLOOR PLAN LEVEL 01 - POWER FLOOR PLAN E-102 LEVEL 02 - POWER FLOOR PLAN E-103 ROOF - ELECTRICAL PLAN LEVEL 01 - LIGHTING FLOOR PLAN

LEVEL 02 - LIGHTING FLOOR PLAN

1319 SPRUCE ST BOULDER, CO 80302

OWNER

2525 13TH STREET

BOULDER, CO 80304

2942 WELTON ST

DENVER, CO 80205

PCD ENGINEERING

323 3RD AVE, #100

LONGMONT, CO 80501

ANTHEM STRUCTURAL

LAKEWOOD, CO 80228

BOULDER, CO 80301

WORKPLACE RESOURCE

FURNITURE

1899 WYNKOOP ST

DENVER, CO 80202

CIVIL ENGINEER

JVA CONSULTING ENGINEERS

K2 AUDIO

2213 CENTRAL AVE

BOULDER, CO 80301

MEP ENGINEER

BOULDER COUNTY PUBLIC WORKS

STUDIOTROPE DESIGN COLLECTIVE

S STRUCTURAL ENGINEER

LIGHTING DESIGNER

ACOUSTIC ENGINEER

5777 CENTRAL AVE, SUITE 225

12364 W ALAMEDA PARKWAY, SUITE 135

ARCHITECT / INTERIOR DESIGN

SO

PHASE / REV NAME ISSUE DATE 11-19-2021 CONSTRUCTION DOCUMENTS

PROJECT NO: 2007

70

GENERAL PROJECT **INFORMATION**

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Authorities Having Jurisdiction	City of Lafayette (www.lafayetteco.gov)
Applicable Codes	ACCESSIBILITY GUIDELINES
	2009 ICC/ANSI 117.1
	2010 (ADA) ADA Standards for Accessible Design by U.S. Dept of Justice
	INTERNATIONAL BUILDING CODE
	2015 (IBC) International Building Code
	2015 (IECC) International Energy Conservation Code
	2015 (IEBC) International Existing Building Code
	2015 (IFC) International Fire Code
	2015 (IFGC) International Fuel and Gas Code 2015 (IMC) International Mechanical Code
	2015 (IMC) International Mechanical Code 2015 (IPC) International Plumbing Code
	NATIONAL FIRE PROTECTION ASSOCIATION
	2020 NFPA 70 (NEC) National Electric Code
Project Summary	This project involves the owner taking an existing core and shell building originally designed to be a medical office building and a 'B' occupancy and building out the entirety of the interior for use as offices and client service center for Boulder County government. The project involves adding in an A3 occupancy through the addition of training rooms and large meeting rooms. The existing building is able to accommodate the A3 addition with no modifications and still meet the code requirements. The project also involves the addition of an emergency diesel generator and some other minor site modifications including addition of ramps and stairs and new exterior doors and a
	monument sign.

TERNATIONAL BUILD CHAPTER 3:	7	Occupancy (IBC Chapter 3)		- 1-					
Occupancy		Groups	В	1					
Classification and Use		Groups	A-3	L					
CHAPTER 5:	-		Allowable	Actual			- 00		
General Building		Height (IBC Table 504.		36'				_	
Heights and Areas									
		Stories (IBC Table 504.	4) 3	2					
		Area (IBC Table 506.							
		Allowable Area		19,948 SF					
		Total Allowable		38,883 SF					
			*based on A3 occupancy Allowable Area Factor		s less than hase	allowable no	need to increas	se.	
			Frontage Distance			anowabio no i	noca to moreac	,,,	
			Frontage Increase						
		Mixed Use (IBC 508)						(IBC 508.2	
			Non-Separated Occupan	cies				(IBC 508.3	
								(IBC 508.4	
					-		-		
	Level	Existing Building Area	Proposed Buildin	g Area	Change	Work Ar	ea (IEBC)	%	
	1	19,935		19,935	9		19,935	100%	
	2	18,948		18,948		1	18,948	100%	
	TOTAL	38,883		38,883	_		38,883		
CHAPTER 6:	-	Type of (IBC 602)		10:5.				-6	
Types of Construction	Co	onstruction		Type IIB S					
	Fire-	Resistance (IBC Table 601)	Rating (Hrs)	g (Hrs) Building Element					
		Ratings	0	Primary Structural Frame					
			0 Exterior Bearing Walls						
			Interior Bearing WallsNon-Bearing Interior Walls and Partitions						
			0 Floor Construction 0 Roof Construction						
	and the second second	Resistance (IBC Table 602)	Rating (Hrs)	Fire Separation	on Distance				
	Rating	: Ext Walls	1*	X<5					
			1*	5 <u><</u> X<10 10 <u><</u> X<30					
			0	X≥30					
			*Rated for exp		rom both sides	of wall			
CHAPTER 7:	A 116	-f F-4 W-II (Table 705.0)	ren	Allewahle Ass	/bd				
Fire and Smoke	Area	of Ext Wall (Table 705.8) Openings	FSD	(UP, NS)	ea (based on op	(UP, S)))	(P)	
Protection Features	Openings		X<3			NP			
			3 <u><</u> X<5			15%			
			5 <u><</u> X<10 10 <u><</u> X<15			25% 45%			
			15 <u><</u> X<20			75%			
			20 <u><</u> X<25			No Limit			
			25 <u><</u> X<30			No Limit			
	- 1/2-0-5	I Oi (IDO 740)	X <u>></u> 30			No Limit			
	Vertica	I Openings (IBC 712)	Existing two story opening complies with section 712.						
	Shaft I	Enclosures (IBC 713.4		# of Connecte	ed Stories				
	73	The same of the sa		13					
	1 X<4								
			*Shaft Enclosures shall ha but need not exceed 2 hrs		nce rating not le	ess than floor			
			Provided per NFPA 13		Existing core	and shell syste	m to be built or	ut. By owner	
CHAPTER 9:	Sprink	ler System (IBC 903)	Provided per NFPA 13		and deferred		Du Duit Of		
CHAPTER 9: Fire Protection and	Sprink	der System (IBC 903)							
			Season records						
Fire Protection and		ipe System (IBC 903)	Provided per NFPA 14		Existing syste	m			
Fire Protection and	Standp	ipe System (IBC 905)			Existing syste	m			
Fire Protection and	Standp	ipe System (IBC 905) ortable Fire (IBC 906)	Provided per NFPA 14 Provided per NFPA 10		Existing syste	m			
Fire Protection and	Standpi Po Ext	ipe System (IBC 905)			Ì	m deferred subm	nittal		

CHAPTER 10: Means of Egress	Means of Egress (IBC 1005) Sizing		omponent Egress Capa		0.3"			
Means of Egress			Other Occ load x 0.2"					
refer to life safety plans for ocupant loads and measured	Number of Exits (IBC 1006) and Exit Access	Occupancy B	Occ Loa 0-49	d	# of Exit		Max CPT 100 ft	
distances and widths.	Doorways	В	50-500		2 exits		100 ft	
		A	0-49 50-500		1 exit 2 exits		75 ft 100 ft	
		*Common Path of 1	Fravel					
lt	Exit Access (IBC 1017)		ccupancy Maximum Tr	avel Distance				
1 V	Travel Distance	A, E B	, S-1 250 ft 300 ft					
lt.	Exit Access (IBC 1019)	Exit Access Stairwa	ays/Ramps shall be end	closed with sha	aft enclosure.	-		
	Stairways/Ramps	Applicable Exception 1. Serve/connect by	ons between two stories n	ot open to ot	ner stories.			
				73.05711 77.72				
	Corridors (IBC 1020)	Occ. A,B,E,F,M,S,U	Occ. Loa	d Fire Rating (NS)	NS) Fire Rating (S) 0 hr		
		Occupancy		-		Min Width (in)		
		Any facility				44		
		Access to Mech/Plu	umb/Elec systems/equi	р		24		
		Occ load<50	od >100			36		
		Group E w/ Occ Lo Occupancy	TO 1000	Max Length	of Dead End C			
		B, E, F, I-1, M, R-1, All others	, R-2, S, U		50 ft* sprinkl 20 ft*	ered		
	1007020 022000	*Exception: Not lim	ited where corridor leng		7-7-7-6			
	Interior Exit (IBC 1023.2) Stairways/Ramps	Ra	ting (Hrs) # of Connect	led Stories				
			area.					
	Enclosures	*Shaft Enclosures	1 X<4 shall have fire resistance	e rating not lo	ss than floor			
	L. Carrier	but need not excee	d 2 hrs.	o raining flot les	33 man moot			
	Exit Passageway (IBC 1024) Rating (Hrs) Notes 1* Walls/Floors/Ceilings							
			ance rating of Interior E		amp			
CHAPTER 11:	Existing two entrances are understoo	if connected od by design team to be	accessible. Proposed	exterior doors	will primarily b	e employee acce	ess entry	
CHAPTER 29: Plumbing Systems	Plumbing Fixture (IBC Table 2) Requirements	Occupant	Male Female	Male	Female	Drinking	Service	
	Class	Load	WC WC	Lav	Lav	Transfel La Tulas		
		10-4	700 1010 40	f		Fountains	Sinks	
	A B	1 per	1 per 25 (0-50)		1 per 200 40 (0-80)	1 per 500 1 per 100	Sinks	
			And the second s	1 per 1 pe	1 per 200	1 per 500	1	
TERNATIONAL EXISTIN	В		1 per 25 (0-50) 1 per 50 (>50)	1 per 1 pe	1 per 200 40 (0-80)	1 per 500	1	
CHAPTER 3:	В	Refer to Fixture cou	1 per 25 (0-50) 1 per 50 (>50) unt table for more inform	1 per 1 pe	1 per 200 40 (0-80)	1 per 500	1	
	G BUILDING CODE	Refer to Fixture cou	1 per 25 (0-50) 1 per 50 (>50) unt table for more inform	1 per 1 pe	1 per 200 40 (0-80)	1 per 500	1	
CHAPTER 3: Compliance Summary	G BUILDING CODE	Refer to Fixture coulons work Area Complements and to comply	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in table for more in table f	1 per 1 per mation	1 per 200 40 (0-80)	1 per 500	1	
CHAPTER 3: Compliance Summary	G BUILDING CODE Compliance Method (IEBC 301.3) Project to be classified as Level 03 A Work area at existing building is~100	Work Area Complements of existing building a	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in table for more in t	1 per 1 per mation	1 per 200 40 (0-80) r 80 (>80)	1 per 500 1 per 100	1	
CHAPTER 3: Compliance Summary ITERNATIONAL ENERGY CHAPTER 4:	G BUILDING CODE Compliance Method (IEBC 301.3) Project to be classified as Level 03 A Work area at existing building is~100	Work Area Complements of existing building a Configuration and to comply the complements of existing building a Configurations.	1 per 25 (0-50) 1 per 50 (>50) unt table for more information iance Method with Chapter 7 + 8 + 9 area. to building envelope is	1 per	1 per 200 -40 (0-80) r 80 (>80)	1 per 500 1 per 100 ront system to ac	1	
CHAPTER 3: Compliance Summary	G BUILDING CODE Compliance Method (IEBC 301.3) Project to be classified as Level 03 A Work area at existing building is~100	Work Area Complements of existing building a Conference of the Con	1 per 25 (0-50) 1 per 50 (>50) unt table for more information iance Method with Chapter 7 + 8 + 9 area. to building envelope is poor and replacement g	1 per	1 per 200 -40 (0-80) r 80 (>80)	1 per 500 1 per 100 ront system to ac	1	
CHAPTER 3: Compliance Summary TERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	G BUILDING CODE Compliance Method (IEBC 301.3) Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary	Work Area Complements of existing building a Conference of the Con	1 per 25 (0-50) 1 per 50 (>50) unt table for more information iance Method with Chapter 7 + 8 + 9 area. to building envelope is poor and replacement g	1 per	1 per 200 40 (0-80) r 80 (>80) f existing storefil comply with IE	1 per 500 1 per 100 ront system to ac	1	
CHAPTER 3: Compliance Summary TERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	G BUILDING CODE Compliance Method (IEBC 301.3) Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401.	Work Area Complements of existing building a complement of existing building a comply modifications an exterior door. Descriptive Methods	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in t	1 per	1 per 200 40 (0-80) r 80 (>80) f existing storef I comply with IE	1 per 500 1 per 100 ront system to accec.	1	
CHAPTER 3: Compliance Summary TERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	G BUILDING CODE Compliance Method (IEBC 301.3) Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401.	Work Area Complements of existing building a complement of existing building a comply modifications an exterior door. Descriptive Methods	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in t	1 per	1 per 200 40 (0-80) r 80 (>80) f existing storefil comply with IE	1 per 500 1 per 100 ront system to accec.	1	
CHAPTER 3: Compliance Summary TERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402)	Work Area Complements of existing building a Complement of existing building a Complement of existing building an exterior door. Descriptive Methods	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in t	1 per	1 per 200 40 (0-80) r 80 (>80) f existing storef I comply with IE	1 per 500 1 per 100 ront system to accec.	1	
CHAPTER 3: Compliance Summary TERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402)	Work Area Complements of existing building a Complement of existing building a Complement of existing building an exterior door. Descriptive Methods	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in t	1 per	1 per 200 40 (0-80) r 80 (>80) f existing storef I comply with IE	1 per 500 1 per 100 ront system to accec.	1	
CHAPTER 3: Compliance Summary TERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402)	Work Area Complement of the co	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in t	modification of lazing units with R-Value Method	1 per 200 40 (0-80) 7 80 (>80) F existing storefil comply with IE Refer to Draw	1 per 500 1 per 100 ront system to accept wings	dd d	
CHAPTER 3: Compliance Summary TERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402)	Work Area Complement of the Co	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in t	modification of lazing units with R-Value Method	1 per 200 40 (0-80) r 80 (>80) f existing storef I comply with IE Refer to Draw	1 per 500 1 per 100 ront system to accept. ECC. wings	1 1	
CHAPTER 3: Compliance Summary ITERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402) Requirements	Work Area Complement of the Co	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in t	modification of lazing units with R-Value Method	1 per 200 r 40 (0-80) r 80 (>80) f existing storef I comply with IE Refer to Draw	1 per 500 1 per 100 ront system to accept. ECC. wings	dd d	
CHAPTER 3: Compliance Summary ITERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402) Requirements	Work Area Complement of the Non- Alteration and to comply the of existing building a separate of the Non- Alteration and to comply the office of the Non- Alteration and to comply the Non- Alteration and the Non- Alteration	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in t	modification of lazing units with R-Value Method	1 per 200 40 (0-80) 7 80 (>80) F existing storefil comply with IE Refer to Draw Od U-Factor Me U-Factor Ma 0.38 0.77	1 per 500 1 per 100 ront system to accept. ECC. wings	dd d	
CHAPTER 3: Compliance Summary ITERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402) Requirements	Work Area Complement of the Non- Alteration and to comply the of existing building a separate of the Non- Alteration and to comply the of existing building a separate of the Non- Alteration and to comply the Non- Prescriptive Methods Non- Alteration and to comply the Non- Separate of the Non- Prescriptive Methods Non- Entrance Doors Skylights	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in t	modification of lazing units with R-Value Method	1 per 200 r 40 (0-80) r 80 (>80) r 80 (>80) F existing storefil comply with IE Refer to Draw Od U-Factor Me U-Factor Ma 0.38 0.77 0.5	1 per 500 1 per 100 ront system to accc. wings thod	1 1	
CHAPTER 3: Compliance Summary ITERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402) Requirements	Work Area Complement of the Co	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in t	modification of lazing units with R-Value Method	1 per 200 r 40 (0-80) r 80 (>80) r 80 (>80) F existing storefil comply with IE Refer to Draw Od U-Factor Me U-Factor Ma 0.38 0.77 0.5	1 per 500 1 per 100 ront system to accept. ECC. wings	1 1 1 U-0.31 North	
CHAPTER 3: Compliance Summary ITERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402) Requirements	Work Area Complement of the Normal Refer to Fixture could be with the Normal Refer to Fixture could be with the Normal Refer to Fixed Fenestration and to comply the Normal Refer to Complement of the Normal Refer to Fixed Fenestration and exterior door. Descriptive Methods 1.2. Prescriptive Methods 1.2. Projection Factor of the Normal Refer to Fixed Fenestration and to comply the Normal Refer to Fixed Fenestration and to comply the Normal Refer to Fixed Fenestration and to comply the Normal Refer to Fixed Fenestration and to comply the Normal Refer to Fixed Fenestration and to comply the Normal Refer to Fixed Fenestration and to comply the Normal Refer to Fixed Fenestration and to comply the Normal Refer to Fixed Fenestration and to comply the Normal Refer to Fixed Fenestration and to comply the Normal Refer to Fixed Fenestration and to Comply the Normal Refer to Fixed Fenestration and the Normal Refer to Fixed Fe	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in t	modification of lazing units with R-Value Method	1 per 200 r 40 (0-80) r 80 (>80) r 80 (>80) F existing storefil comply with IE Refer to Draw Od U-Factor Me U-Factor Ma 0.38 0.77 0.5	1 per 500 1 per 100 ront system to accc. wings thod 4.75 x (C402.4)	U-0,31	
CHAPTER 3: Compliance Summary TERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	G BUILDING CODE Compliance Method (IEBC 301.3) Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402) Requirements Fenestration (IECC 402.1.	Work Area Comply Mork Area Comply Meteration and to comply Meteration and to comply More existing building a Only modifications an exterior door. D Prescriptive Metho Prescriptive Metho Non Entrance Doors Skylights SHGC Max (C402. Projection Factor < 0.2 <projection factor=""> Skylights</projection>	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in t	modification of lazing units with R-Value Method	T per 200 1 per 200 1 per 200 1 80 (>80) 1 existing storeful comply with IE Refer to Draw 1 Per 200 2 Per 200 3 Per 200 4 Per 200 2 Per 200 2 Per 200 3 Per 200 4 Per 200 5 Per 200 6 P	1 per 500 1 per 100 1 per 100 ront system to accc. wings thod 4.75 x (C402.4) South/East/West 0.38 0.46 0.61	1 1 1 0.51 0.56 0.61	
CHAPTER 3: Compliance Summary TERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402) Requirements	Work Area Complement of the Alteration and to comply the of existing building a complement of the Alteration and to comply the of existing building a complement of the original of the origin	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in table for more in t	modification of lazing units with R-Value Method	1 per 200 40 (0-80) r 80 (>80) f existing storef I comply with IE Refer to Draw Od U-Factor Me U-Factor Ma 0.38 0.77 0.5 S 0.4 30% gross a No Changes	1 per 500 1 per 100 1 per 100 ront system to accc. wings thod 4.75 x (C402.4) South/East/West 0.38 0.46 0.61 bove grade wall to amount of fer	1 1 1 0.51 0.56 0.61	
CHAPTER 3: Compliance Summary ITERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	G BUILDING CODE Compliance Method (IEBC 301.3) Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402) Requirements Fenestration (IECC 402.1.	Work Area Complement of Non- Alteration and to comply 0% of existing building a complement of the Non- Alteration and to comply 0% of existing building a complement of the Non- Alteration and to comply 0% of existing building a complement of the Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods Non- Alteration and to comply 0% of existing building a complement of Non- Prescriptive Methods of Non- Prescriptiv	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in table for more in table for more in table for more information in table for more in table f	modification of lazing units with R-Value Method	f existing storef I comply with IE Refer to Draw od U-Factor Me U-Factor Ma 0.38 0.77 0.5	1 per 500 1 per 100 1 per 100 ront system to accc. wings thod 4.75 x (C402.4) South/East/West 0.38 0.46 0.61 bove grade wall to amount of fer	1 1 1 0.51 0.56 0.61	
Summary NTERNATIONAL ENERGY CHAPTER 4: Commcercial Energy	G BUILDING CODE Compliance Method (IEBC 301.3) Project to be classified as Level 03 A Work area at existing building is~100 Y CONSERVATION CODE Summary Compliance Path (IECC C401, Climate Zone 5 Building Envelope (IECC C402) Requirements Fenestration (IECC 402.1.	Work Area Complement of the Alteration and to comply 0% of existing building a comply 0% of existing building a complement of the Alteration and to comply 0% of existing building a complement of the Alteration	1 per 25 (0-50) 1 per 50 (>50) unt table for more information in table for more in table for more in table for more information in table for more in table f	modification of lazing units with the series of the series	I per 200 40 (0-80) r 80 (>80) Fee existing storeful comply with IE Refer to Draw Od U-Factor Me U-Factor Ma 0.38 0.77 0.5 S 0.4 30% gross a No Changes 3% of gross 0.10%	ront system to accC. wings thod 4.75 x (C402.4) South/East/West 0.38 0.46 0.61 bove grade wall to amount of fer roof area	1 1 1 0.51 0.56 0.61	

				F	ixture	Coun	ts			
		\٨/	Cs		Prop	20	VS			
Floor Level	Male	Female	Single user Toilet Room	All Gender Multi-user	Male	Female	Single user Toilet Room	All Gender Multi-user	Drinking Fountains	Service Sinks
1st	2	2	2	2	2	2	2	2	4	1
2nd	2	2	4	ī	2	2	4		2	1
Total	4	4	6	2	4	4	6	2	4	2
Combined Counts*	8	8			8	8			6	2
Required	7	7			5	5			5	2

*Fixtures in Single User and All Gender Multi-User restrooms added to Male/Female counts equally.

2015 ICC Codes do not account for all gender multi-user design.

Requirements met without counting fixtures at that restroom at lobby.

2021 ICC Codes permit fixtures at at multiple user facilities serving all genders to count towards requirements

Vestibule (IECC 402.5) Exterior door to be added opens into space that is small enough to not require vestibule and is

employee entrances and are exempt per exception 2.

studiotrope OWNER
BOULDER COUNTY PUBLIC WORKS
2525 13TH STREET
BOULDER, CO 80304 ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205 MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100
LONGMONT, CO 80501 STRUCTURAL ENGINEER
ANTHEM STRUCTURAL
2213 CENTRAL AVE
BOULDER, CO 80301 LIGHTING DESIGNER ENLIGHTEN 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228 ACOUSTIC ENGINEER **K2 AUDIO** 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301 **FURNITURE** WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202 CIVIL ENGINEER
JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302

PROJECT NO: 2007

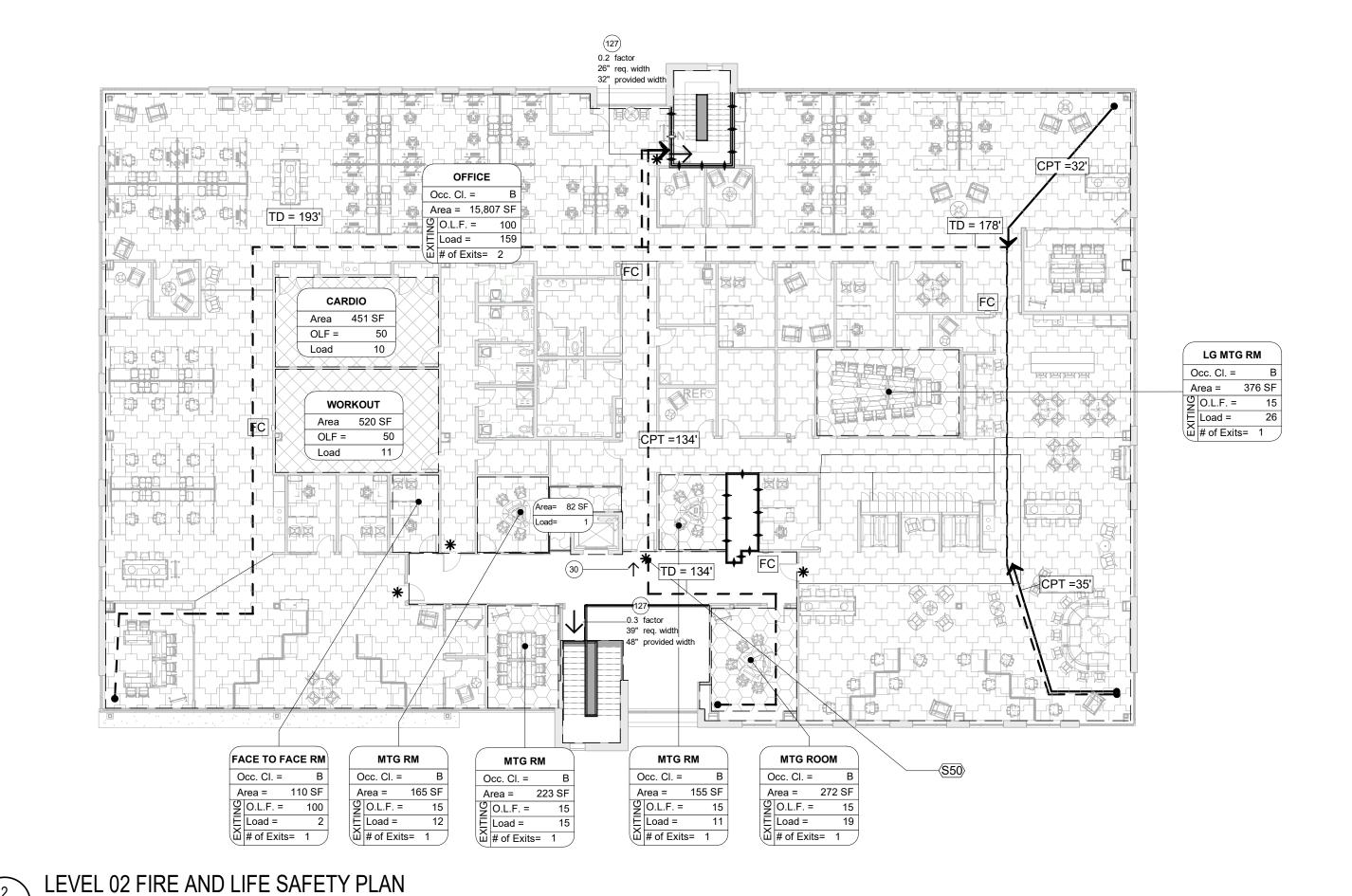
ISSUE DATE PHASE / REV NAME

11-19-2021 CONSTRUCTION DOCUMENTS

CODE ANALYSIS

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	OCCUPA	NT LOAD		
SPACE	OCC. CLASS	O.L.F.	AREA	OCC. LOAD
LEVEL 01				
TRAINING	A3	15	878 SF	59
TRAINING	A3	15	877 SF	59
LG MTG RM	A3	15	583 SF	39
LOUNGE	A3	15	866 SF	58
			3,203 SF	215
MECH/ STOR./ WATER/ ELEC	ACC	300	662 SF	3
MECH	ACC	300	228 SF	1
JC	ACC	300	95 SF	1
MECH	ACC	300	39 SF	1
			1,024 SF	6
BUSINESS LOBBY	В	100	5,778 SF	58
BUSINESS	В	100	5,027 SF	51
OFFICE	В	100	2,005 SF	21
OFFICE	В	100	2,007 SF	21
LEVEL 02			14,817 SF	151
ELEV RM	ACC	300	82 SF	1
CARDIO	ACC	50	451 SF	10
WORKOUT	ACC	50	520 SF	11
			1,054 SF	22
OFFICE	В	100	15,807 SF	159
MTG ROOM	В	15	272 SF	19
MTG RM	В	15	223 SF	15
LG MTG RM	В	15	376 SF	26
MTG RM	В	15	155 SF	11
FACE TO FACE RM	В	100	110 SF	2
MTG RM	В	15	165 SF	12
			17,109 SF	244
			37,207 SF	638

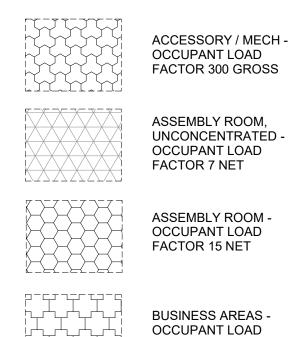


MECH/ STOR./ WATER/ ELEC Area 662 SF OLF = 300 Load 0.2 factor 30" req. width 64" provided width FACILITIES STORAGE HHS LAUNDRY / OFFICE **STORE.**130
105 SF Area 2,005 SF OLF = Load 0.2 factor______ 11" req. width 32" provided width BUSINESS EXIT SEPARATION = 20' ** * Area 5,027 SF DIAGONAL = 41' OLF = 100 1/3 = 14' - 9" Load BUSINESS LOBBY 32" provided width Occ. Cl. = Area = 5,778 SF 의 O.L.F. = 100 Area 228 SF Load = 58 OLF = # of Exits= 2 OFFICE OLF = TRAINING Occ. Cl. = Area = 877 SF O.L.F. = # of Exits= 2 LG MTG RM LOUNGE Occ. Cl. = A3 Occ. Cl. = Area = 583 SF CPT =19' Area = 866 SF E Load = Load = # of Exits= # of Exits= 2 30" req. width 64" provided width

GENERAL NOTES: CODE PLANS

 EXISTING FIRE RESISTANT CONSTRUCTION IS TO REMAIN IN ALL AREAS UNDISTURBED BY NEW WORK.

CODE PLAN LEGEND





EXERCISE ROOM -OCCUPANT LOAD FACTOR 50 GROSS

FACTOR 100 GROSS



EGRESS STAIRS

SYMBOLS

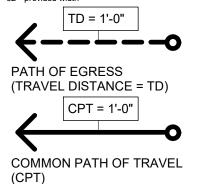
F FIRE ALARM PANEL, RE: ELEC

FC FIRE EXTINGUISHER

* EXIT DEVICE



1
0.2 factor EGRESS ARROW TAG (WITH OCCUPANT
1" req. width LOAD AND EGRESS WIDTH INFO)
32" provided width



1 HR FIRE RATING

1 HR FIRE RATING

2 HR FIRE RATING

3 HR FIRE RATING

SCOPE OF WORK LIMITS

NOTE

NOTE: REFER TO ELECTRICAL AND LIGHTING PLANS FOR LOCATIONS OF EXIT LIGHTING, FIRE ALARMS, STROBES AND PULL STATIONS

SHEET NOTES

DESCRIPTION

EGRESS THROUGH CARD ACCESS SECURITY DOOR PROVIDED WITH CRASH BAR; ALARM TO SOUND IF NO KEYCARD PROVIDED

PROVIDE 1 HR RATED ENCLOSURE AT BOTTOM OF MECH SHAFT; INSTALL TIGHT TO UNDERSIDE OF EXISTING DUCTWORK

EXISTING EXIT ACCESS STAIRWAY OPEN TO BOTH FLOORS

Studiotrope

OWNER
BOULDER COUNTY PUBLIC WORKS
2525 13TH STREET
BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN
STUDIOTROPE DESIGN COLLECTIVE
2942 WELTON ST
DENVER, CO 80205

MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100
LONGMONT, CO 80501

BOULDER, CO 80301

LAKEWOOD, CO 80228

STRUCTURAL ENGINEER

ANTHEM STRUCTURAL
2213 CENTRAL AVE

LIGHTING DESIGNER
ENLIGHTEN
12364 W ALAMEDA PARKWAY, SUITE 135

ACOUSTIC ENGINEER

K2 AUDIO 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

FURNITURE
WORKPLACE RESOURCE
1899 WYNKOOP ST
DENVER, CO 80202

CIVIL ENGINEER
JVA CONSULTING ENGINEERS
1319 SPRUCE ST
BOULDER, CO 80302

SOUTHEAST COUNTY SERVICE HU
1755 S. PUBLIC RD
LAFAYETTE, CO 80026

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11-19-2021 CONSTRUCTION DOCUMENTS

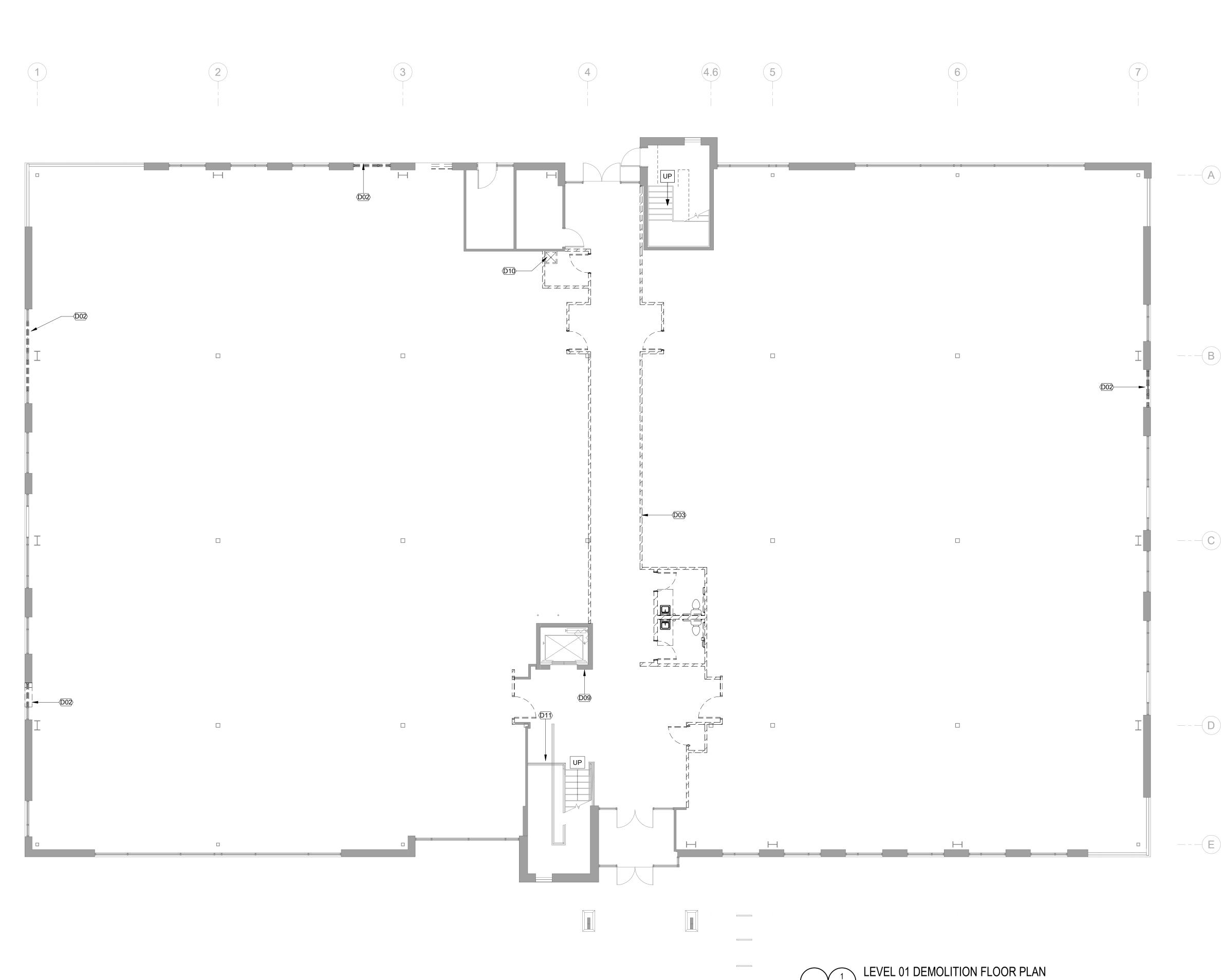
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FIRE AND LIFE SAFETY PLANS

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LEVEL 01 FIRE AND LIFE SAFETY PLAN



GENERAL NOTES: DEMOLITION PLANS

- DIMENSIONS ARE PROVIDED FOR INFO ONLY.
 COORDINATE WITH ALL OTHER DRAWINGS AND SPECIFICATIONS FOR AREAS THAT WILL REQUIRE DEMOLITION.
- 3. PARTITIONS AND (E) INT FINISHES U.N.O. 4. PATCH AND REPAIR REMAINING ADJACENT SURFACES, AT AREAS OF REMOVAL AND/OR ALTERATION, TO MATCH EXISTING.
- 5. WHERE REMOVAL OF EXISTING ITEMS CAUSES DAMAGE TO SUBSURFACE, PATCH AND REPAIR SUBSURFACE. ADHERE TO MANUFACTURES REQUIREMENTS FOR INSTALLATION OF NEW FINISHES.
- 6. REFER TO MEP SHEETS FOR ADDITIONAL INFORMATION. 7. REFER TO STRUCTURAL SHEETS FOR DEMO FOR NEW OPENING AND CORE DRILLS.
- 8. DEMOLITION OF FLOOR FINISHES IS TO CENTER OF DOOR, WHERE APPLICABLE.
- 9. WHERE NEW FLOORING FINISHES ARE IDENTIFIED ON THE FINISHES PLAN, CONTRACTOR SHALL INCLUDE DEMOLITION OF EXISTING FINISHES FOLLOWED BY APPROPRIATE SUBFLOOR REPAIRS AND PREPARATION FOR NEW MATERIAL INSTALLATION AS REQUIRED BY MANUFACTURER.
- 10. SLAB X-RAY / INVESTIGATIONS ARE REQUIRED PRIOR TO SAW - CUTTING OR DRILLING PENETRATIONS.
- 11. DIRECTIONS WHERE NOTED ARE ALWAYS IN REFERENCE
- TO PLAN NORTH (PAGE UP).

 12. REFER TO DOOR SCHEDULE FOR LOCATION OF (E) DOORS TO BE REMOVED AND RE-INSTALLED.

studiotrope

OWNER
BOULDER COUNTY PUBLIC WORKS
2525 13TH STREET
BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205

MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100 LONGMONT, CO 80501

§ STRUCTURAL ENGINEER

ANTHEM STRUCTURAL 2213 CENTRAL AVE BOULDER, CO 80301

LIGHTING DESIGNER 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228

ACOUSTIC ENGINEER

K2 AUDIO 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

FURNITURE WORKPLACE RESOURCE 1899 WYNKOOP ST

DENVER, CO 80202

BOULDER, CO 80302

HUB

CIVIL ENGINEER JVA CONSULTING ENGINEERS 1319 SPRUCE ST

DEMOLITION LEGEND

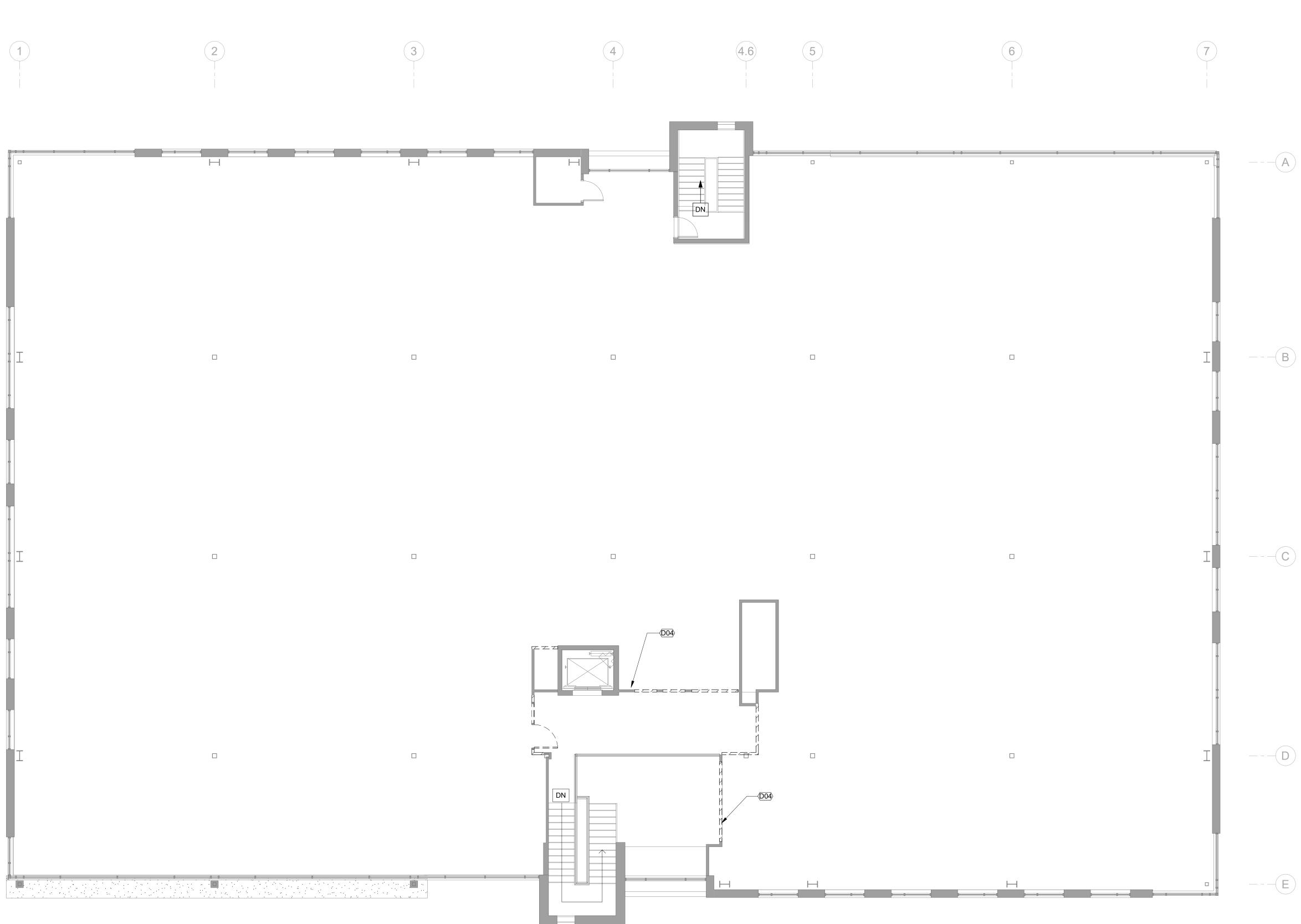
EZZZZZ EXISTING WALL ASSEMBLY TO DEMOLISH EXISTING WALL ASSEMBLY TO REMAIN

EXISTING CONC FLOOR STRUCTURE TO DEMOLISH

DEMO NOTES						
NOTE	DESCRIPTION					
D02	REMOVE (E) GLAZING UNITS AND MULLION SECTIONS AS NEEDED FOR PROPOSED DOOR					
D03	DEMOLISH (E) CORRIDOR WALLS AND RESTROOMS AS INDICATED					
D09	REMOVE EXISTING WOOD PANELING					
D10	DEMOLISH (E) JANITOR'S SINK					
D11	REMOVE (E) HORIZONTAL CABLE RAILING AT GUARDRAILS					

ISSUE DATE PHASE / REV NAME
11-19-2021 CONSTRUCTION DOCUMENTS

LEVEL 01 DEMOLITION FLOOR PLAN



GENERAL NOTES: DEMOLITION PLANS

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§ STRUCTURAL ENGINEER ANTHEM STRUCTURAL
2213 CENTRAL AVE
BOULDER, CO 80301

LIGHTING DESIGNER

ENLIGHTEN 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228

ACOUSTIC ENGINEER

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FURNITURE WORKPLACE RESOURCE 1899 WYNKOOP ST

DENVER, CO 80202

CIVIL ENGINEER JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302

DEMOLITION LEGEND

 $\square \square \square \square \square$ Existing wall assembly to Demolish EXISTING WALL ASSEMBLY TO REMAIN

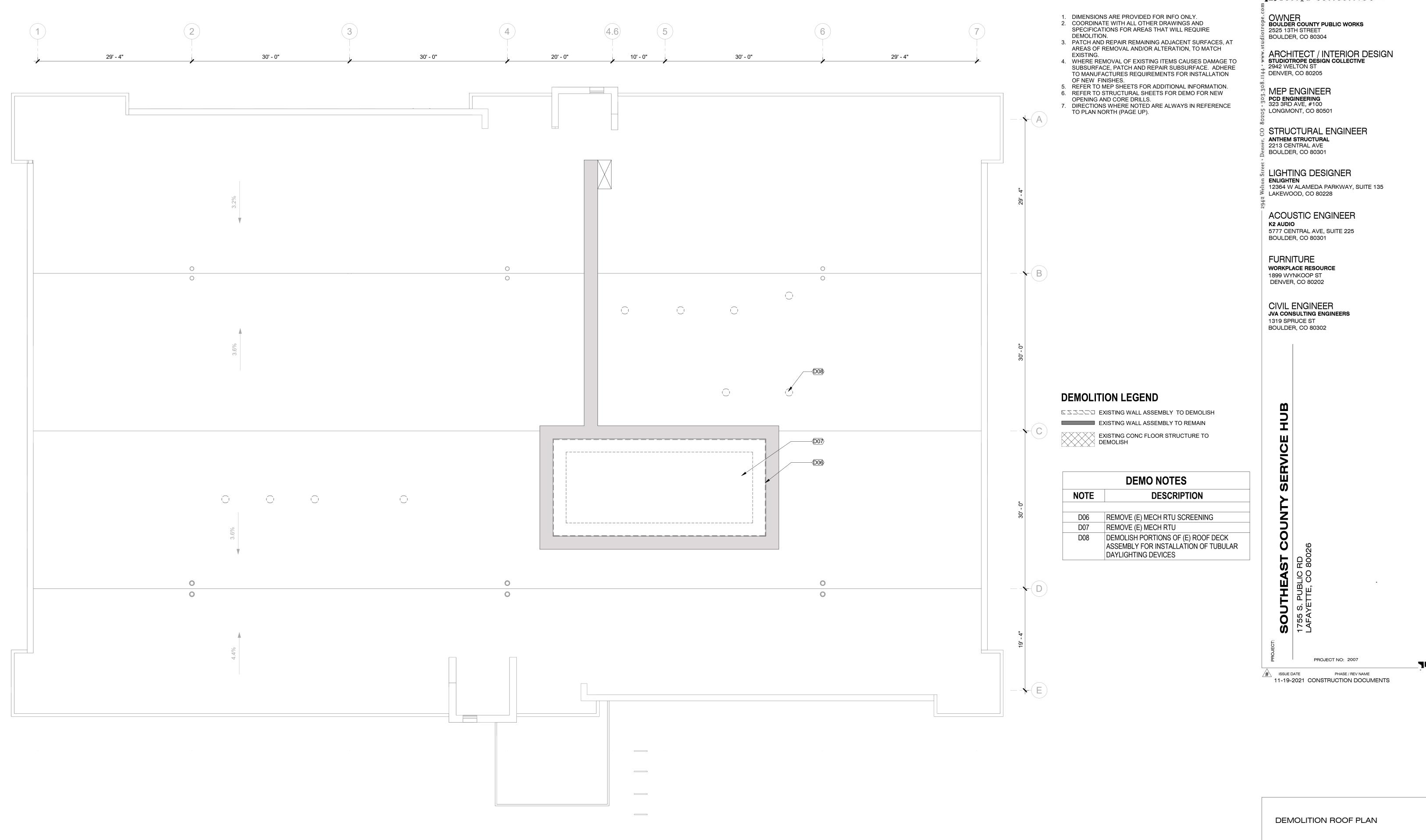
EXISTING CONC FLOOR STRUCTURE TO DEMOLISH

DEMO NOTES NOTE **DESCRIPTION** D04 ADD OPENINGS AT (E) WALL, RE: FLOORPLANS HUB PROJECT NO: 2007

PHASE / REV NAME ISSUE DATE 11-19-2021 CONSTRUCTION DOCUMENTS

LEVEL 02 DEMOLITION FLOOR PLAN

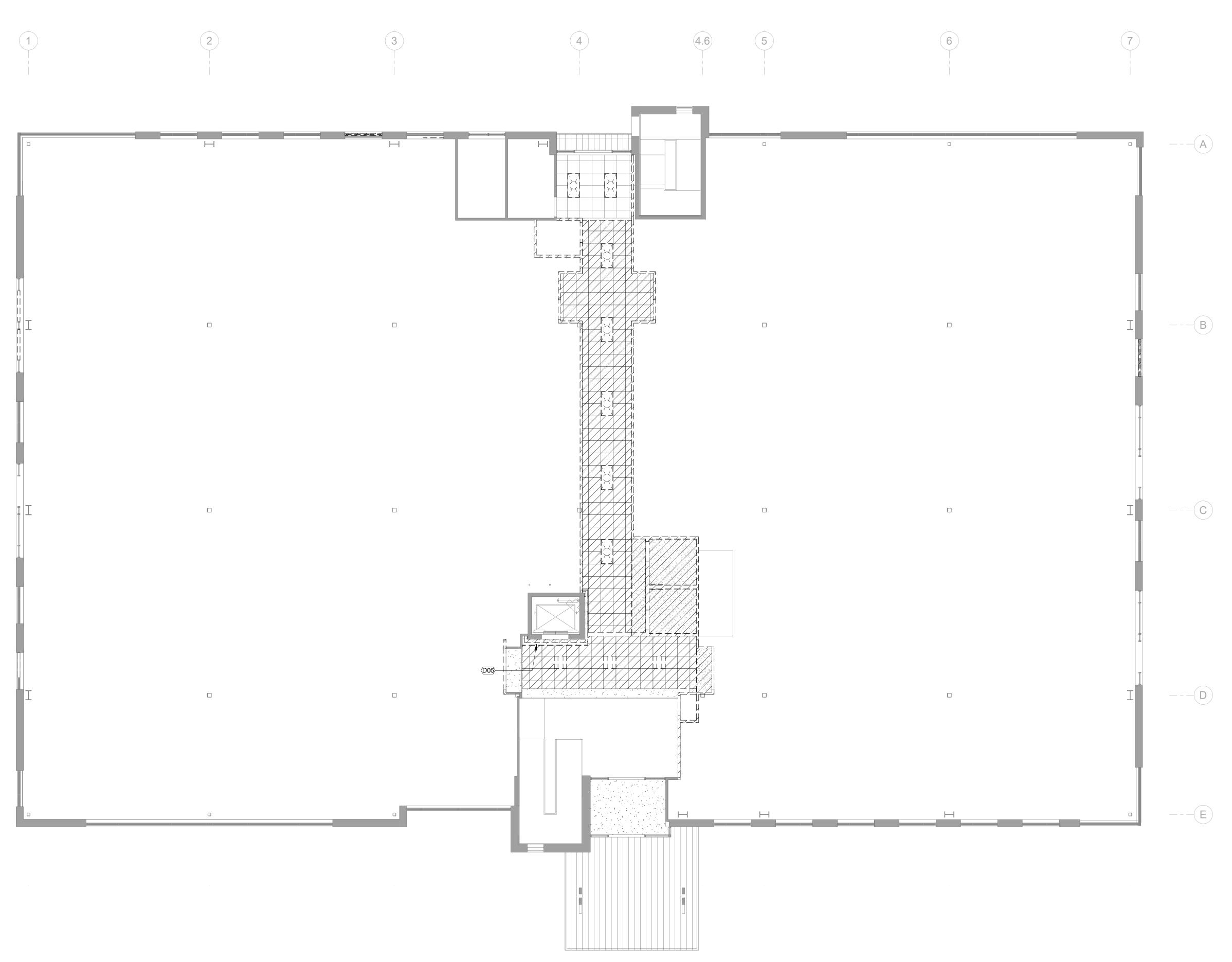




DEMOLITION ROOF PLAN

GENERAL NOTES: DEMOLITION PLANS

AD-103



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- DEMOLITION. 3. PARTITIONS AND (E) INT FINISHES U.N.O. 4. PATCH AND REPAIR REMAINING ADJACENT SURFACES, AT AREAS OF REMOVAL AND/OR ALTERATION, TO MATCH EXISTING.
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DEMOLITION LEGEND -REFLECTED CEILING PLAN

EXISTING WALL ASSEMBLY TO DEMOLISH EXISTING WALL ASSEMBLY TO REMAIN EXISTING CONC FLOOR STRUCTURE TO DEMOLISH DEMOLISH EXISTING ACT CEILING DEMOLISH EXISTING GWB CEILING EXISTING GWB CEILING TO REMAIN (E) OPEN TO STRUCTURE EXISTING ACT CEILING TO REMAIN

DEMO NOTES						
NOTE	DESCRIPTION					
D05	DEMOLISH (E) GYP BULKHEADS AND COVE LIGHTING AT ELEVATORS					

GENERAL NOTES: DEMOLITION PLANS STUDIOTOPE

OWNER BOULDER COUNTY PUBLIC WORKS 2525 13TH STREET BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205

MEP ENGINEER PCD ENGINEERING 323 3RD AVE, #100 LONGMONT, CO 80501

STRUCTURAL ENGINEER
ANTHEM STRUCTURAL
2213 CENTRAL AVE
BOULDER, CO 80301

LIGHTING DESIGNER **ENLIGHTEN** 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228

ACOUSTIC ENGINEER

K2 AUDIO 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

FURNITURE WORKPLACE RESOURCE 1899 WYNKOOP ST **DENVER, CO 80202**

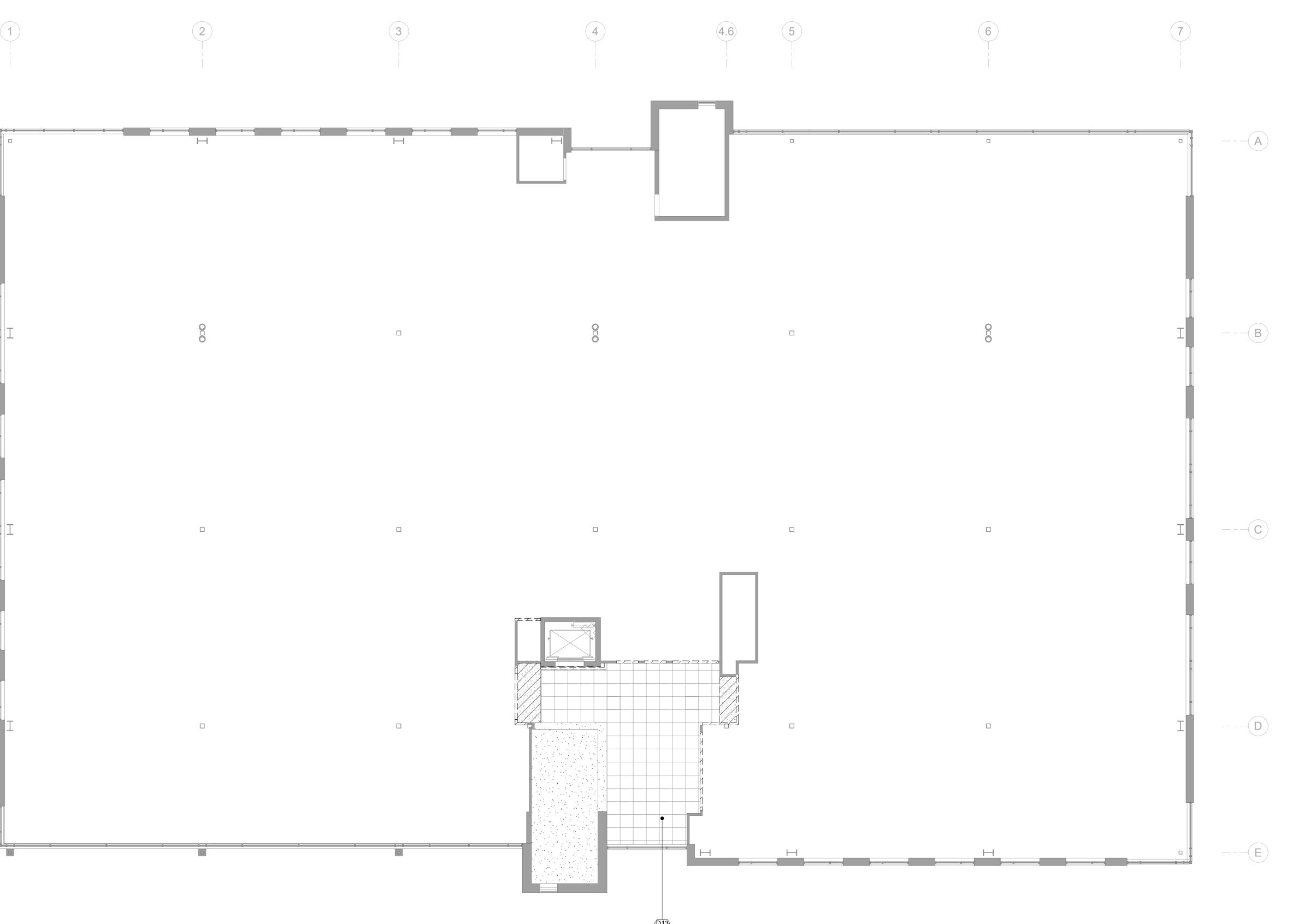
CIVIL ENGINEER
JVA CONSULTING ENGINEERS 1319 SPRUCE ST

BOULDER, CO 80302

PROJECT NO: 2007 ISSUE DATE PHASE / REV NAME
11-19-2021 CONSTRUCTION DOCUMENTS

LEVEL 01 REFLECTED DEMOLITION FLOOR PLAN





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DEMOLITION LEGEND -REFLECTED CEILING PLAN

EXISTING WALL ASSEMBLY TO DEMOLISH EXISTING WALL ASSEMBLY TO REMAIN EXISTING CONC FLOOR STRUCTURE TO DEMOLISH DEMOLISH EXISTING ACT CEILING DEMOLISH EXISTING GWB CEILING

EXISTING GWB CEILING TO REMAIN (E) OPEN TO STRUCTURE

DEMO NOTES NOTE **DESCRIPTION** D13 REMOVE (E) CEILING TILES AND LIGHT FIXTURES.
(E) SUSPENDED GRID SYSTEM TO REMAIN IN PLACE

EXISTING ACT CEILING TO REMAIN

GENERAL NOTES: DEMOLITION PLANS STUDIOTOPE

OWNER BOULDER COUNTY PUBLIC WORKS 2525 13TH STREET BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205

MEP ENGINEER PCD ENGINEERING 323 3RD AVE, #100 S LONGMONT, CO 80501

BOULDER, CO 80301

§ STRUCTURAL ENGINEER ANTHEM STRUCTURAL 2213 CENTRAL AVE

LIGHTING DESIGNER

ENLIGHTEN 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228

ACOUSTIC ENGINEER **K2 AUDIO**

5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

FURNITURE WORKPLACE RESOURCE

1899 WYNKOOP ST **DENVER, CO 80202**

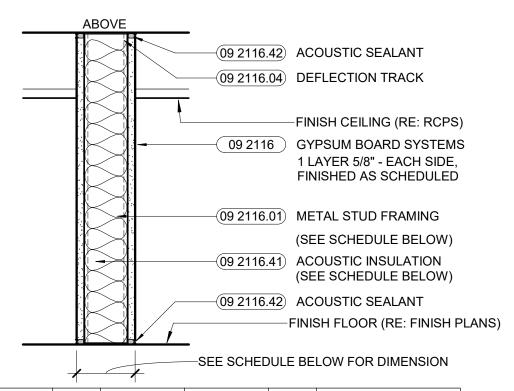
CIVIL ENGINEER JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302

HUB

PHASE / REV NAME ISSUE DATE 11-19-2021 CONSTRUCTION DOCUMENTS

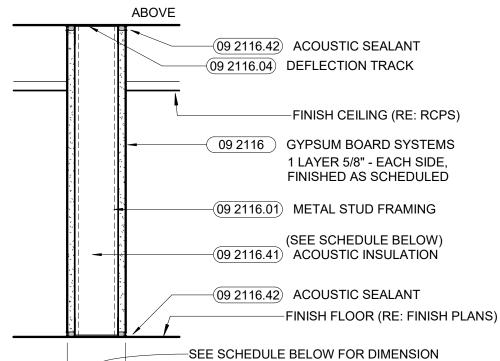
PROJECT NO: 2007

LEVEL 02 REFLECTED DEMOLITION FLOOR PLAN



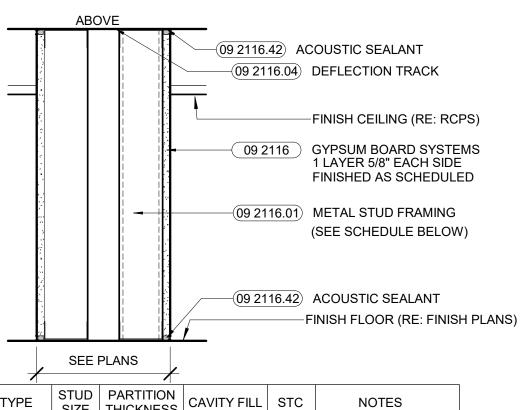
TYPE	STUD SIZE	PARTITION THICKNESS	CAVITY FILL	STC	NOTES
		0.7/01			
		2 7/8"			
A1-4	3 5/8"	4 7/8"	3"	45	N/A
A1-6	6"	7 1/4"	5 1/2"	N/A	N/A
		4 7/8"			





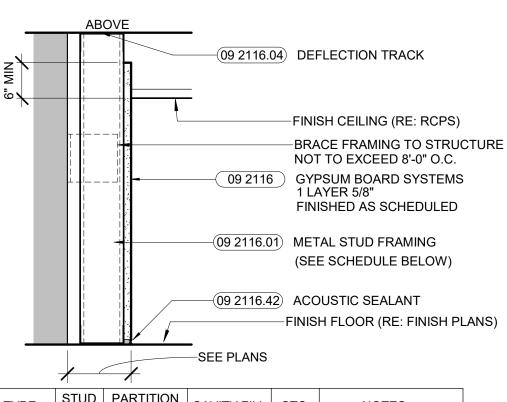
	7	1			
TYPE	STUD SIZE	PARTITION THICKNESS	CAVITY FILL	STC	NOTES
P1-3	2 1/2"	3 3/4"	NONE	N/A	N/A
P1-4	3 5/8"	4 7/8"	NONE	N/A	N/A
P1-6	6"	7 1/4"	NONE	N/A	N/A

NON-RATED PARTITION 1 1/2" = 1'-0"



/					
TYPE	STUD SIZE	PARTITION THICKNESS	CAVITY FILL	STC	NOTES
C1-3	2 1/2"	SEE PLAN	NONE	N/A	N/A

\bigcirc	NON-RATED PARTITION - CHASE
CI	1 1/2" = 1'-0"



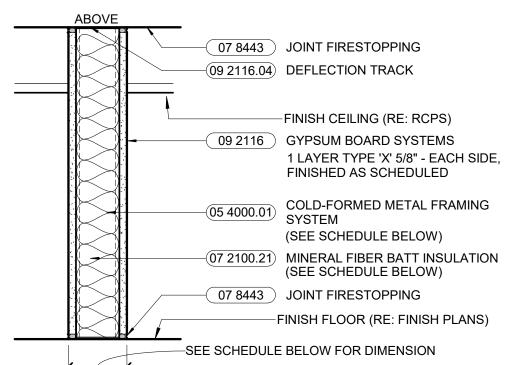
	/	/			
TYPE	STUD SIZE	PARTITION THICKNESS	CAVITY FILL	STC	NOTES
F1-1	7/8"	SEE PLAN	NONE	N/A	N/A
F1-2	1 1/2"	SEE PLAN	NONE	N/A	N/A
F1-3	2 1/2"	SEE PLAN	NONE	N/A	N/A
F1-4	3 5/8"	SEE PLAN	NONE	N/A	N/A

FURRING PARTITION
1 1/2" = 1'-0"

	ABOVE		
		9 2116.04)	DEFLECTION TRACK
			-FINISH CEILING (RE: RCPS)
	-		GYPSUM BOARD SYSTEMS 1 LAYER 5/8" ONE SIDE, 2 LAYERS 5/8" OTHER SIDE, FINISHED AS SCHEDULED
		9 2116.01	METAL STUD FRAMING
		9 2116.41	(SEE SCHEDULE BELOW) ACOUSTIC INSULATION (SEE SCHEDULE BELOW)
			ACOUSTIC SEALANT FINISH FLOOR (RE: FINISH PLANS)
,	SEE S	SCHEDULE I	BELOW FOR DIMENSION
TVDE	STUD PARTITION CAVIT	V EII I ST	TC NOTES

TYPE	STUD SIZE	PARTITION THICKNESS	CAVITY FILL	STC	NOTES
A3-4	3 5/8"	5 1/2"	3"	50	N/A

ACOUSTIC PARTITION

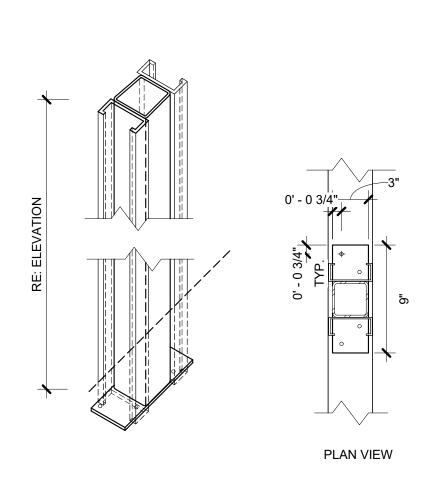


	1	 	Г		
TYPE	STUD SIZE	PARTITION THICKNESS	CAVITY FILL	STC	NOTES
P1-4R	3 5/8"	4 7/8"	3"	N/A	N/A

D1D	1 H	RRA	λΤΕ	D PAR	TITI	ON	
P1R	1 1/2"	= 1'-0"			UL	419 BASIS OF DESIGN	N
9	AB	OVE		07 8443	3 JOI	NT FIRESTOPPING	
OND "9				09 2116.	04) DEI	FLECTION TRACK	
				- -	——FIN	ISH CEILING (RE: RCP	S)
\		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		09 2116	1 L	PSUM BOARD SYSTEM AYER TYPE 'X' 5/8" ISHED AS SCHEDULEI	
				09 2116		PSUM BOARD SYSTEM AYER TYPE 'X' 1"	1S
				09 2116	AD	PSUM BOARD SYSTEM DITIONAL LAYER 5/8" (IERE SCHEDULED BEL	SWB
3				05 4000.	01) SYS	LD-FORMED METAL FR STEM E SCHEDULE BELOW)	
12				07 2100.		IERAL FIBER BATT INS E SCHEDULE BELOW)	ULATION
V /:				07 8443	JOI	NT FIRESTOPPING	
	\ \	+	1	-SEE SCHEDI		ISH FLOOR (RE: FINISH OW FOR DIMENSION	HPLANS)
		—5/8" G\	NB CA			TIONS OVER 2" ELEVAT	TOR SHAFT
TVDE	STUD	PARTIT	ION		СТС	NOTEC	

		—5/8" GWB C	ANT AT ALL P	ROJECT	TIONS OVER 2" ELEVAT
TYPE	STUD SIZE	PARTITION THICKNESS	CAVITY FILL	STC	NOTES
S1R-2	2 1/2" CH	4 1/8"	1 1/2"	42	1

1 HR RATED PARTITION 1 1/2" = 1'-0"



PARTIAL HEIGHT PARTITION **HSS STEEL SUPPORT**

IN WALL STEEL REINFORCEMENT: 3 x 3 HSS POSTS @ 5'-0" O.C. WITH 3" x 9" x 1/4" WELDED BASEPLATE WITH (4) 5/16" DIA. ANCHOR BOLTS EACH POST

BASE PLATE TO ATTACH TO CONCRETE BELOW RAISED FLOOR; RE: DIEWALL DETAILS ON SHEET A-520 FOR ASSEMBLY

GENERAL NOTES -WALL/PARTITION TYPES

- 1. PROVIDE TILE BACKER BOARD AT TOILET ROOMS, SHOWERS, LOCKER AREAS, AND WHERE REQUIRED BY SPECIFICATION IN LIEU OF GYP. BD.
- 2. EXTEND FIRE RATED WALLS, INCLUDING SHEATHING, TO
- UNDERSIDE OF STRUCTURE ABOVE. 3. SOUND SEAL HEAD, SILL, AND ALL PENETRATIONS IN ACOUSTICAL WALLS WITH STC RATINGS OF 45 AND
- MORE. 4. PROVIDE TYPE 'X' GYPSUM BOARD AT FIRE RATED WALLS.
- 5. GYPSUM ASSOCIATION (GA) FILE #S BASED ON GA-600-2015: GYPSUM FIRE RESISTANCE DESIGN MANUAL.
- THOSE TESTED ARE PERMITTED. 7. MASON TO COORDINATE WITH ELECTRICIAN TO PLACE CONDUIT INSIDE OF CMU WALLS.

6. PER GA GENERAL NOTE #15, GREATER STUD SIZES THAN

NOTE: SEAL ALL OPENINGS, GAPS, PENETRATIONS, AND JOINTS IN PARTITION TYPES AS FOLLOWS:

FIRE RATED PARTITIONS OR BARRIERS AND SMOKE

SEAL IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE DIVISION 07 SPECIFICATION SECTIONS FOR PENETRATION FIRESTOP SYSTEMS AND FIRE RESISTIVE JOINT SYSTEMS. REFER TO CODE COMPLIANCE DRAWINGS FOR LOCATIONS.

REFER TO UL DESIGN NUMBER PROVIDED FOR DETAILED CONSTRUCTION REQUIREMENTS.

SMOKE PARTITIONS (PARTITIONS DESIGNED TO RESIST THE PASSAGE OF

SMOKE): SEAL COMPLETELY WITH ELASTOMERIC SEALANT. FOR THE LOCATION AND EXTENT REFER TO CODE COMPLIANCE DRAWINGS.

STC-RATED ASSEMBLIES/SOUND RATED PARTITIONS (ALL PARTITIONS NDICATED WITH SOUND ATTENUATION BLANKET):

- 1. STC RATINGS ARE BASED ON 25 GAUGE (0.0179" BASE METAL THICKNESS) MAXIMUM STUDS SPACED AT 16 INCHES ON CENTER. THICKER BASE METAL OR CLOSER STUD SPACING WILL REDUCE THE STC
- RATING. 2. STAGGER LAYERS OF DRYWALL ON OPPOSITE SIDES OF THE WALL BY AT LEAST 16 INCHES TO OFFSET
- 3. STAGGER LAYERS OF DRYWALL ON SAME SIDE OF THE WALL BY AT LEAST FOUR INCHES TO OFFSET
- 4. MAINTAIN A ¼ INCH GAP BETWEEN THE DRYWALL AND THE FLOOR, FILL WITH ACOUSTICAL JOINT
- SEALANT. 5. MAINTAIN A ¼ INCH GAP BETWEEN THE DRYWALL AND THE CEILING, FILL WITH ACOUSTICAL JOINT
- SEALANT. 6. FILL ANY DRYWALL SEAM GREATER THAN 1/4 INCH WITH ACOUSTICAL JOINT SEALANT.
- 7. FILL EACH INDIVIDUAL LAYER OF DRYWALL GAP WITH ACOUSTICAL JOINT
- 8. SEALANT BEFORE THE NEXT LAYER OF DRYWALL IS INSTALLED.

OTHER LOCATIONS: SEAL AS INDICATED AND REQUIRED ELSEWHERE BY THE CONTRACT DOCUMENTS.

FOR ALL NON-RATED PARTITIONS, CLOSE THE VOID BETWEEN PARTITION AND UNDERSIDE OF FLOOR OR ROOF DECK WITH MINERAL WOOL (SAFING INSULATION) AND PROVIDE 1/2" DEEP NON-SAG ACOUSTICAL JOINT SEALANT, BEADED.

PARTITION SHEET KEYED NOTES

- 1. STC IS BASED ON 20 GAUGE (0.033" BASE METAL THICKNESS) MAXIMUM STUDS.
- 2. STC IS BASÉD ON CEILING WITH MINIMUM 35 CAC. 3. NON-RATED SOUND PARTITION, USE ACOUSTICAL JOINT SEALANT IN LIEU OF FIRE RESISTIVE JOINT
- SEALANT. 4. PROVIDE ADDITIONAL LAYER OF 5/8" GWB ON LINER SIDE OF SHAFT PARTITION. ADDITIONAL LAYER TO
- EXTEND MIN 6" ABOVE FINISHED CEILING UNO. 5. PROVIDE PRAY FOAM INSULATION AT PERIMETER OF EXISTING EXTERIOR

OWNER BOULDER COUNTY PUBLIC WORKS 2525 13TH STREET BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE

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ACOUSTIC ENGINEER

K2 AUDIO 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

FURNITURE

WORKPLACE RESOURCE 1899 WYNKOOP ST **DENVER, CO 80202**

CIVIL ENGINEER JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302

3 SERVIC SOUTHEAST (1755 S. PUBLIC RD LAFAYETTE, CO 8002

PROJECT NO: 2007

ISSUE DATE

PHASE / REV NAME

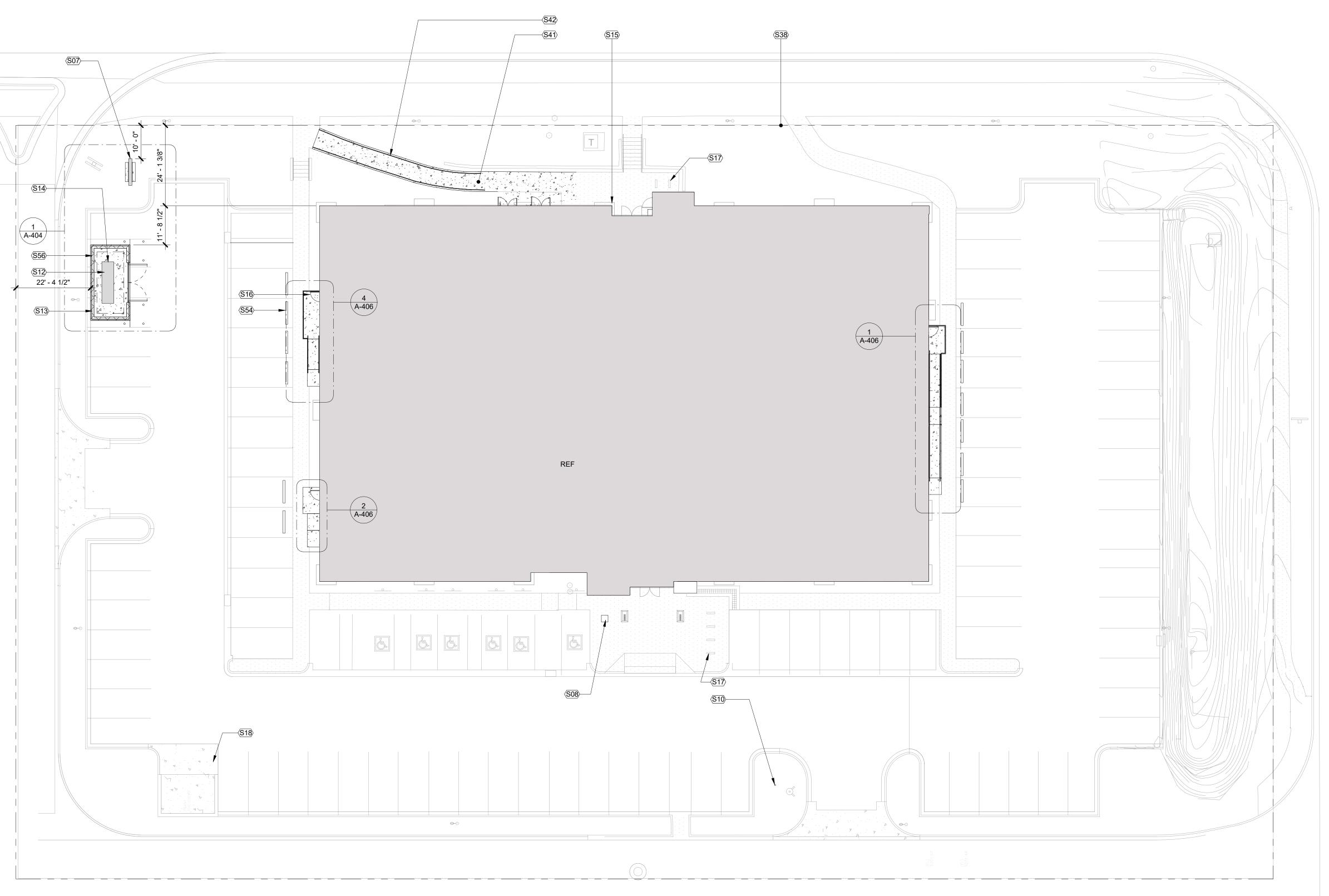
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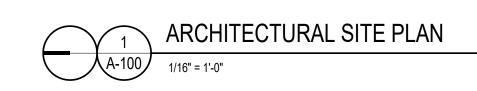
WALL AND PARTITION **TYPES**

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11/19/2021 4:44:59 PM

S PUBLIC ROAD





GENERAL NOTES: SITE PLAN

- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE. IF ADDITIONAL DIMENSIONS ARE REQUIRED, CONTACT ARCHITECT.
- 2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AND LAY OUT PROPOSED WORK PRIOR TO CONSTRUCTION IN NEW WORK AREA. REPORT DISCREPANCIES TO ARCHITECT FOR RESOLUTION. 3. IN THE EVENT OF CONFLICTING OR UNCLEAR
- INFORMATION, CONTRACTOR SHALL CONTACT ARCHITECT FOR CLARIFICATION. 4. ALL WORK SHALL CONFORM TO APPLICABLE CODES.
- NOTIFY ARCHITECT OF ANY CONDITIONS OR DETAILS WHICH ARE DEEMED TO BE NONCONFORMING. 5. COORDINATE WITH ALL OTHER DRAWINGS AND
- SPECIFICATIONS FOR ADDITIONAL SCOPE.

 6. DIRECTIONS WHERE NOTED ARE ALWAYS IN REFERENCE
- TO PLAN NORTH.
 EXISTING SITE ELEMENTS TO REMAIN AS IS U.N.O.
 MAINTAIN ACCESSIBLE GRADES (2% MAX CROSS SLOPE, 5% MAX RUNNING SLOPE) AT APPROACHES TO BUILDING ENTRANCES IF SITE ELEMENTS ARE DISTURBED.

SCOPE NOTES

 PROPOSED GENERATOR WILL REQUIRE 3 PARKING SPACES TO BE REMOVED. ADDITIONAL PARKING IS PROVIDED TO PARKING LOT TO THE WEST AND OWNER HAS PARKING AGREEMENT IN PLACE.

		SHEET NOTES
	NOTE	DESCRIPTION
	S07	MONUMENT SIGN; PROVIDE CONCRETE FOUNDATION WITH BRICK VENEER, FABRICATED SIGN TO MOUNT ON FOUNDATION. RE: ARTBOOK FOR PRECEDENT IMAGERY.
	S08	EXTERIOR CURB MOUNTED DROP BOX
	S10	CONCORD AMERICAN FLAGPOLE, XTREME SERIES WIRE HALYARD, SINGLE REVOLVING DOWNLIGHT, SATIN FINISH
	S12	ELEC. EMERGENCY GENERATOR; RE: ELEC DWGS
	S13	ENCLOSURE AROUND GENERATOR; 8" CMU WALL WITH BRICK VENEER
AIL E	S14	REPAIR AND REPLACE SITE ELEMENTS/LANDSCAPING DISTURBED BY GENERATOR INSTALLATION
TR	S15	LOCATION OF (E) ELEC. TRANSFORMER AND ELEC CABINET
D LARAMIE TRAIL	S16	CONCRETE RAMP/STAIR/LANDING AT DOORS; RECONFIGURE LANDSCAPING AS REQUIRED
₹	S17	(E) BIKE RACKS TO REMAIN
A.	S18	(E) TRASH ENCLOSURE TO REMAIN
	S38	PROPERTY LINE
	S41	PORTION OF EXISTING RAMP/SIDEWALK TO BE DEMOLISHED AND REINSTALLED, RE: CIVIL
0	S42	INSTALL HANDRAILS AT BOTH SIDES OF RAMP; RE A-406 FOR SIM DETAILS
	S54	INSTALL PARKING BLOCKS AT ALL PARKING STALL WITH REDUCED WIDTH SIDEWALK DUE TO RAMPS/LANDINGS
	S56	ADDITION OF GENERATOR ENCLOSURE REDUCES OF PARKING SPACES BY THREE (3)



OWNER
BOULDER COUNTY PUBLIC WORKS
2525 13TH STREET
BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205

MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100 S LONGMONT, CO 80501

STRUCTURAL ENGINEER
ANTHEM STRUCTURAL
2213 CENTRAL AVE
BOULDER, CO 80301

LIGHTING DESIGNER ENLIGHTEN 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228

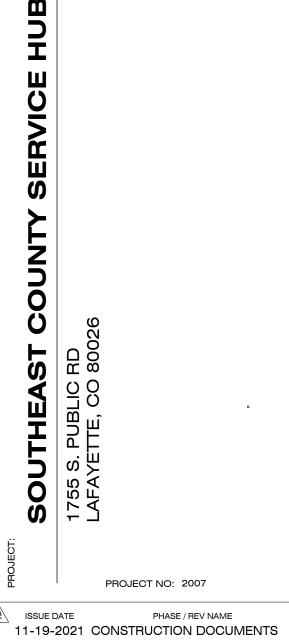
ACOUSTIC ENGINEER

K2 AUDIO 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

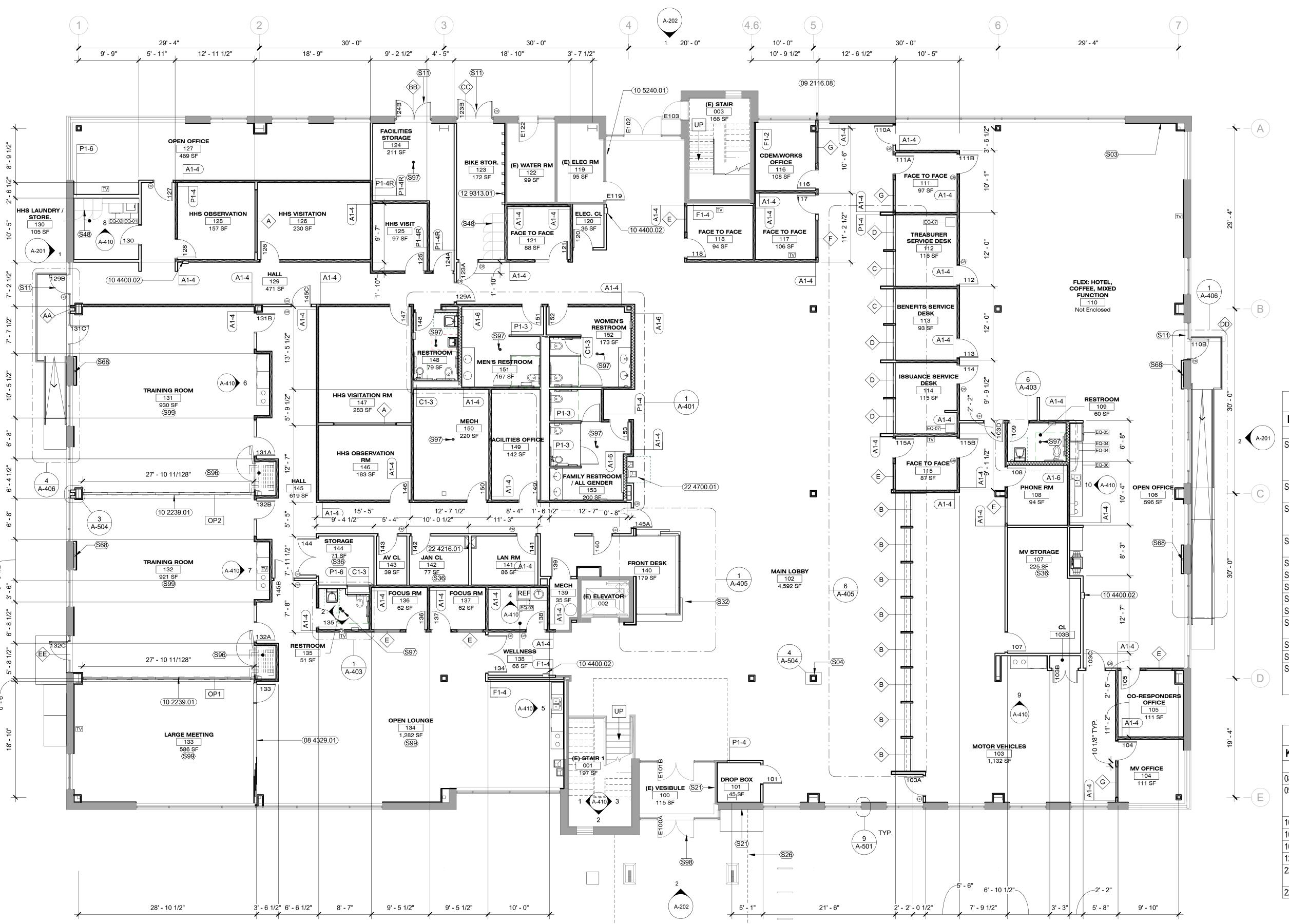
FURNITURE WORKPLACE RESOURCE

1899 WYNKOOP ST DENVER, CO 80202

CIVIL ENGINEER
JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302



ARCHITECTURAL SITE PLAN



GENERAL NOTES: FLOOR PLAN

- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE. IF ADDITIONAL DIMENSIONS ARE REQUIRED, CONTACT ARCHITECT.
- 2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AND LAY OUT PROPOSED WORK PRIOR TO CONSTRUCTION IN NEW WORK AREA. REPORT DISCREPANCIES TO ARCHITECT FOR RESOLUTION.
- 3. ALL DIMENSIONS ARE SHOWN TO FACE OF DRYWALL FOR NEW PARTITIONS. FINISH MATERIAL SUCH AS TILE OR FRP IS NOT ACCOUNTED FOR IN GIVEN DIMENSIONS.

 4. IN THE EVENT OF CONFLICTING OR LINCLEAR.
- 4. IN THE EVENT OF CONFLICTING OR UNCLEAR INFORMATION, CONTRACTOR SHALL CONTACT ARCHITECT FOR CLARIFICATION.
 5. ALL WORK SHALL CONFORM TO APPLICABLE CODES.
- NOTIFY ARCHITECT OF ANY CONDITIONS OR DETAILS WHICH ARE DEEMED TO BE NONCONFORMING.

 6. COORDINATE WITH ALL OTHER DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL SCOPE.
- FOR ALL EXISTING SURFACES TO REMAIN THAT HAVE BEEN IDENTIFIED TO RECEIVE NEW PAINT: SCRAPE, SPACKLE, PATCH, CLEAN, OR OTHERWISE PREPARE SURFACE TO RECEIVE PAINT WITHOUT NOTICEABLE IMPERFECTION.
 REFER TO ROOM FINISH SCHEDULE FOR FLOOR AND WALL
- FINISHES

 9. REFER TO FINISH PLAN FOR EXTENT OF NEW FLOORING.

 10. DIRECTIONS WHERE NOTED ARE ALWAYS IN REFERENCE
- TO PLAN NORTH.

 11. SEE SHEET A-001 FOR WALL AND PARTITION TYPES.
- PARTITION ARE TYPE P1-4 UON
- 12. DOOR FRAMES ARE TO BE LOCATED 4" FROM ADJACENT WALL, UON.
- 13. COORDINATE FINAL FLOOR BOX LOCATIONS WITH FURNITURE PLAN BY OWNER.
- 14. ALIGN PARTITIONS WITH EXISTING MULLIONS, WINDOWS, AND PARTITIONS THROUGHOUT. NOTIFY IF DIMENSIONS DO NOT MATCH FIELD CONDITIONS, NOTIFY ARCHITECT.

FLOOR PLAN LEGEND

WALL ASSEMBLY
EXISTING WALL ASSEMBLY

---- OVERHEAD LINE

- FLATSCREEN LOCATION, PROVIDE ELEC. AND DATA CONNECTIONS
- © CARD READER LOCATION

Studiotrope

OWNER
BOULDER COUNTY PUBLIC WORKS
2525 13TH STREET
BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST

MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100

DENVER, CO 80205

CONGMONT, CO 80501

STRUCTURAL ENGINEER

2213 CENTRAL AVE BOULDER, CO 80301

LIGHTING DESIGNER

ENLIGHTEN
12364 W ALAMEDA PARKWAY, SUITE 135
LAKEWOOD, CO 80228

ACOUSTIC ENGINEER

K2 AUDIO5777 CENTRAL AVE, SUITE 225
BOULDER, CO 80301

FURNITURE

BOULDER, CO 80302

WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202

CIVIL ENGINEER

JVA CONSULTING ENGINEERS

1319 SPRUCE ST

SHEET NOTES NOTE **DESCRIPTION** (E) EXT. WALL ASSEMBLY IS UNFINISHED; INSTALL 5/8" GYP BOARD AT INTERIOR AND FINISH PER FINISH NARRATIVE; TYPICAL FOR ENTIRE BUILDING; MAINTAIN (E) BATT INSULATION, REPAIR AS NEEDED WRAP ALL (E) EXPOSED STEEL COLUMNS WITH GYP BOARD, TYP. THROUGHOUT BUILDING REMOVE (E) GLAZING UNITS AND MULLIONS TO INSTALL DOORS AT (E) STOREFRONT UNIT; RE: A-605 AND A-600 THROUGH WALL DROP SLOT, LOCKABLE PUBLIC (E) AWNING ABOVE S26 BUILT IN CASEWORK OFOI STORAGE SHELVING PROVIDE LOCKERS; TWO TIER, RE: SPEC EXISTING ROOF DRAIN CONFIRM DIMENSIONS OF CLOSET FOR OPERABLE PARTITION WITH MANUFACTURER FLOOR DRAIN; RE: PLUMB (E) AUTOMATIC DOOR OPERATORS TO REMAIN PROVIDE HORIZONTAL REVEAL CHANNEL SCREED (FRY REGLET OR SIM.) AT DRYWALL AT 32" A.F.F. AT ALL WALLS IN THIS ROOM

KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
08 4329.01	SLIDING DOOR ASSEMBLIES
09 2116.08	RESILIENT PARTITION SOUND ISOLATION SEAL; TYP. AT ALL METAL FRAMED WALL ASSEMBLIES SEALING AT STOREFRONT WINDOWS
10 2239.01	FOLDING PANEL PARTITION
10 4400.02	FIRE EXTINGUISHER CABINET ASSEMBLY
10 5240.01	FIRE DEPARTMENT KNOX BOX
12 9313.01	BICYCLE RACK UNIT
22 4216.01	MOP SINK WITH MOP HANGER. RE: SPECIFICATION
22 4700.01	DRINKING FOUNTAIN, RE:PLUMBING

SOUTHEAST COUNTY SERVICE

** SOUTHEAST COUNTY SERVICE TO 1755 S. PUBLIC RD

LAFAYETTE, CO 80026

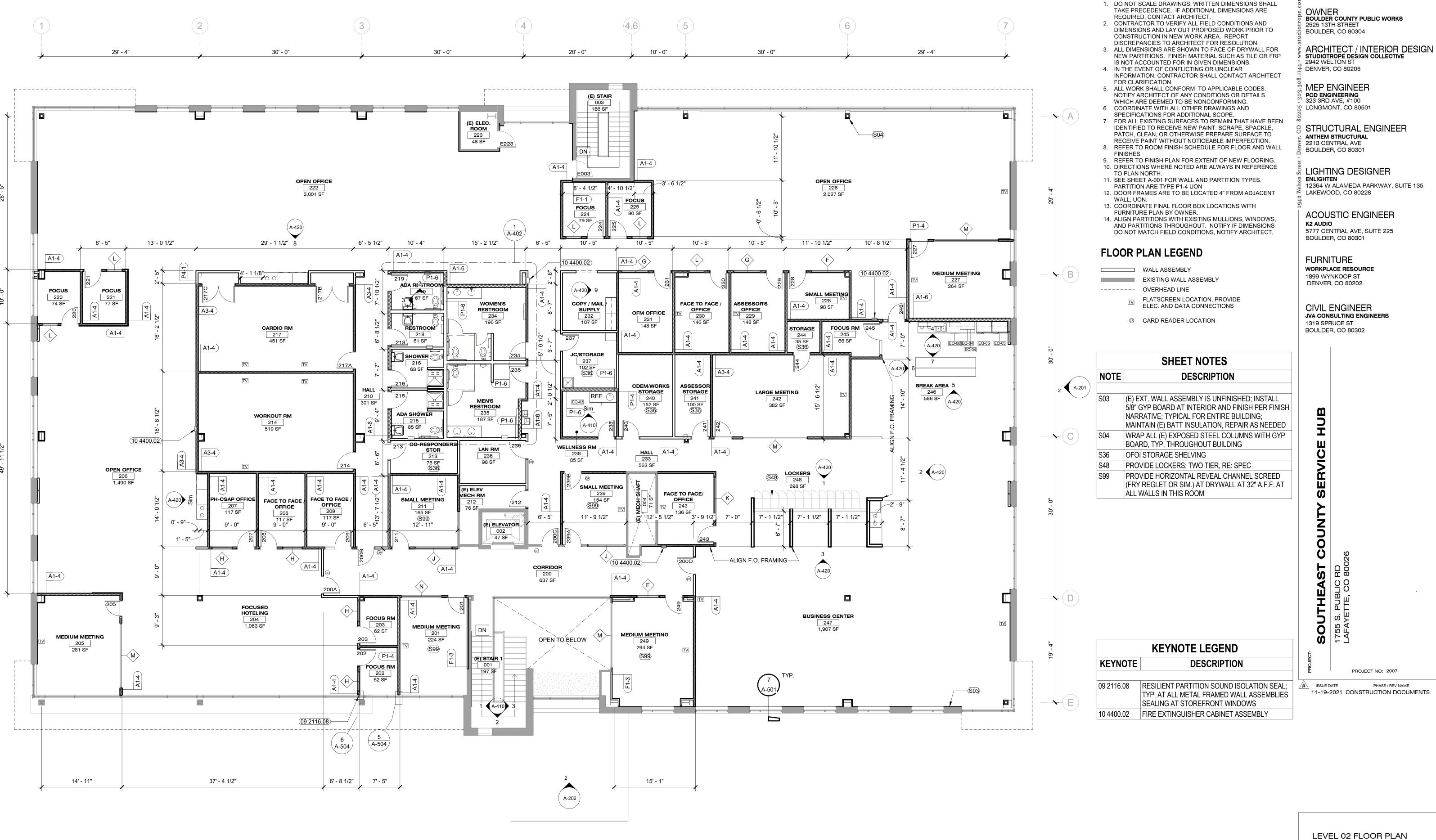
LAFAYETTE, CONSTRUCTION DOCUMENTS

** STREET PHASE / REV NAME
11-19-2021 CONSTRUCTION DOCUMENTS

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LEVEL 01 FLOOR PLAN

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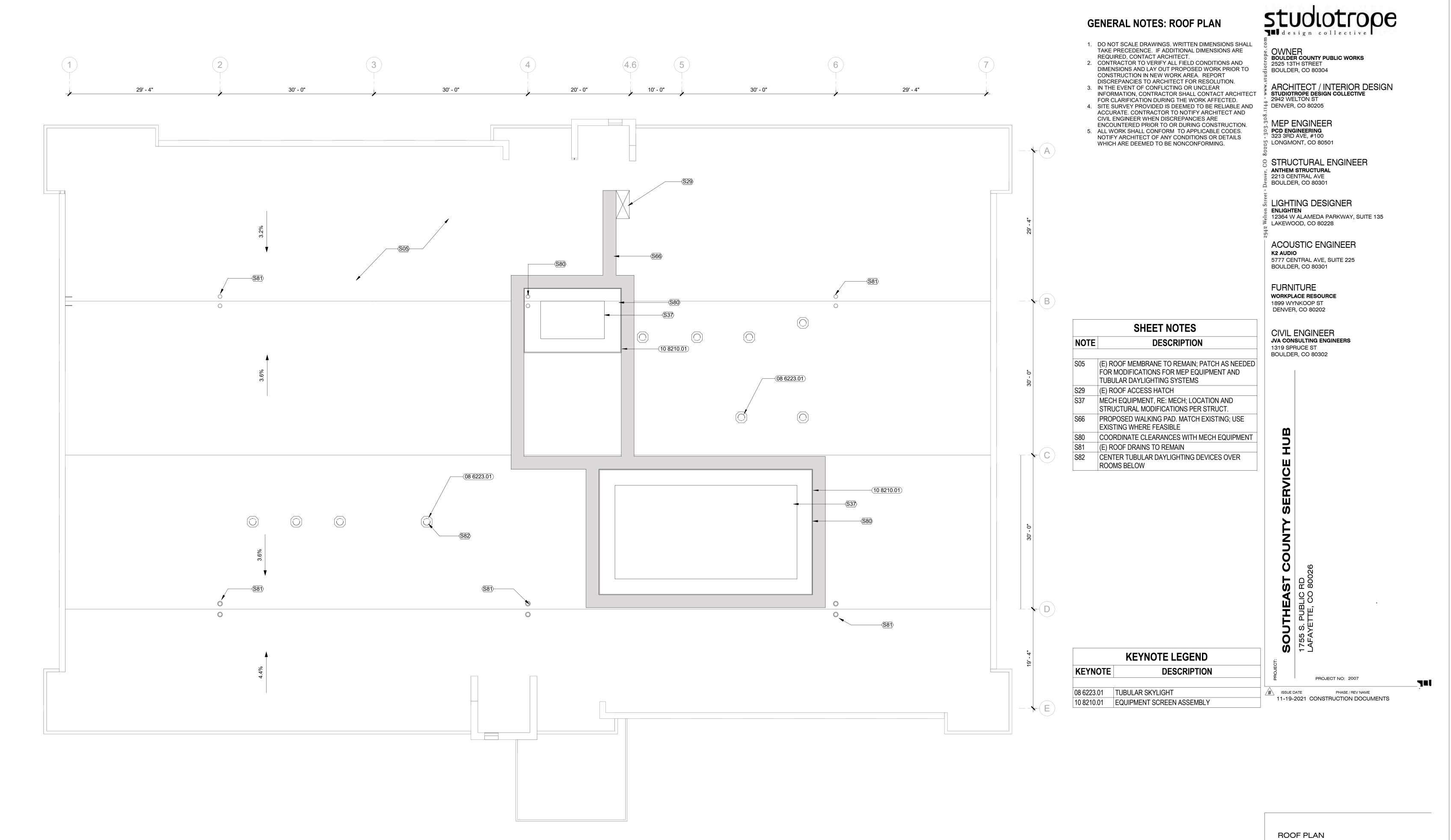


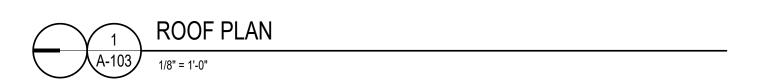
studiotrope

GENERAL NOTES: FLOOR PLAN

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A-103

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GENERAL NOTES: REFLECTED CEILING PLANS

- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE. IF ADDITIONAL DIMENSIONS ARE REQUIRED, CONTACT ARCHITECT.
 CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND
- 2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AND LAY OUT PROPOSED WORK PRIOR TO CONSTRUCTION IN NEW WORK AREA. REPORT DISCREPANCIES TO ARCHITECT FOR RESOLUTION.
- INFORMATION, CONTRACTOR SHALL CONTACT ARCHITECT FOR CLARIFICATION DURING THE WORK AFFECTED.

 4. ALL WORK SHALL CONFORM TO APPLICABLE CODES. NOTIFY ARCHITECT OF ARCHITECTOR AR

3. IN THE EVENT OF CONFLICTING OR UNCLEAR

- WHICH ARE DEEMED TO BE NONCONFORMING.
 LOCATE SPRINKLER HEADS WHERE NEEDED FOR CODE COMPLIANT DESIGN. HEADS SHALL BE CENTERED IN TILE. HEADS SHALL ALIGN WITHIN A SINGLE VIEWABLE AREA.
 ALL EXPOSED CEILINGS SHALL BE PAINTED PT-02.
- INCLUDING BUT NOT LIMITED TO CONDUIT, HVAC EQUIPMENT, ETC

 7. ALL GYP CEILINGS ARE TO BE PAINTED PT-01 U.N.O.

 8. ALL EXPOSED STRUCTURE IS TO BE PAINTED PT-02 U.N.O.

9. ALL EXPOSED CONDUIT TO BE INSTALLED IN AN ORDERLY

AND ORTHOGONAL MANNER.

10. ALL WALLS TO EXTEND TO UNDERSIDE OF FLOOR ABOVE,

LEGEND: REFLECTED CEILING PLAN

EXISTING WALL ASSEMBLY TO REMAIN

PROPOSED WALL ASSEMBLY

WOOD ACOUSTICAL SLAT - CLG 04

OPEN TO STRUCTURE - (E) STRUCTURE TO BE EXPOSED.
PAINT

PATCH AND REPAIR (E) CEILING

(E) GWB CEILING

GWB CEILING

NEW ACT CEILING

EXISTING ACT CEILING

ACT CEILING, CLG-05

TUBULAR SOLAR DIFFUSERRECESSED CAN LIGHT - ROUND; RE: ELEC.

RECESSED CAN LIGHT - SQUARE; RE: ELEC.

RECESS LINEAR LIGHT; RE: ELEC.

2X2 TROFFER LIGHT; RE: ELEC.

O DECORATIVE PENDANT LIGHT; RE: ELEC.

 $\circ \qquad \mathsf{DECORATIVE} \ \mathsf{SURFACE} \ \mathsf{MOUNT} \ \mathsf{LIGHT}; \ \mathsf{RE} \mathsf{:} \ \mathsf{ELEC}.$

CAN PENDANT LIGHT - ROUND; RE: ELEC.

RECTILINEAR PENDANT; RE: ELEC.

SUPPLY DIFFUSER; RE: MECH

☑ RETURN GRILL; RE: MECH

LINEAR DIFFUSER; RE: MECH

SHEET NOTES

NOTE

DESCRIPTION

S51

PROVIDE 1 HR RATED ENCLOSURE AT BOTTOM OF MECH SHAFT; INSTALL TIGHT TO UNDERSIDE OF EXISTING DUCTWORK

S67

CEILING MOUNTED SCREEN

S83

LIGHT FIXTURE; RE: ELEC.

CEILING MOUNTED SCREEN

LIGHT FIXTURE; RE: ELEC.

DROP DOWN PROJECTOR SCREEN

6" AXIOM TRIM AT ALL EXPOSED EDGES OF ACT CEILINGS; RE: 9/A-503

studiotrope

OWNER
BOULDER COUNTY PUBLIC WORKS
2525 13TH STREET
BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN
STUDIOTROPE DESIGN COLLECTIVE
2942 WELTON ST
DENVER, CO 80205

MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100
LONGMONT, CO 80501

BOULDER, CO 80301

LAKEWOOD, CO 80228

STRUCTURAL ENGINEER

ANTHEM STRUCTURAL

2213 CENTRAL AVE

LIGHTING DESIGNER

12364 W ALAMEDA PARKWAY, SUITE 135

ACOUSTIC ENGINEER

K2 AUDIO 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

FURNITURE
WORKPLACE RESOURCE
1899 WYNKOOP ST
DENVER, CO 80202

CIVIL ENGINEER
JVA CONSULTING ENGINEERS
1319 SPRUCE ST
BOULDER, CO 80302

SOUTHEAST COUNTY SERVICE HUB
1755 S. PUBLIC RD
LAFAYETTE, CO 80026

ISSUE DATE PHASE / REV NAME
11-19-2021 CONSTRUCTION DOCUMENTS

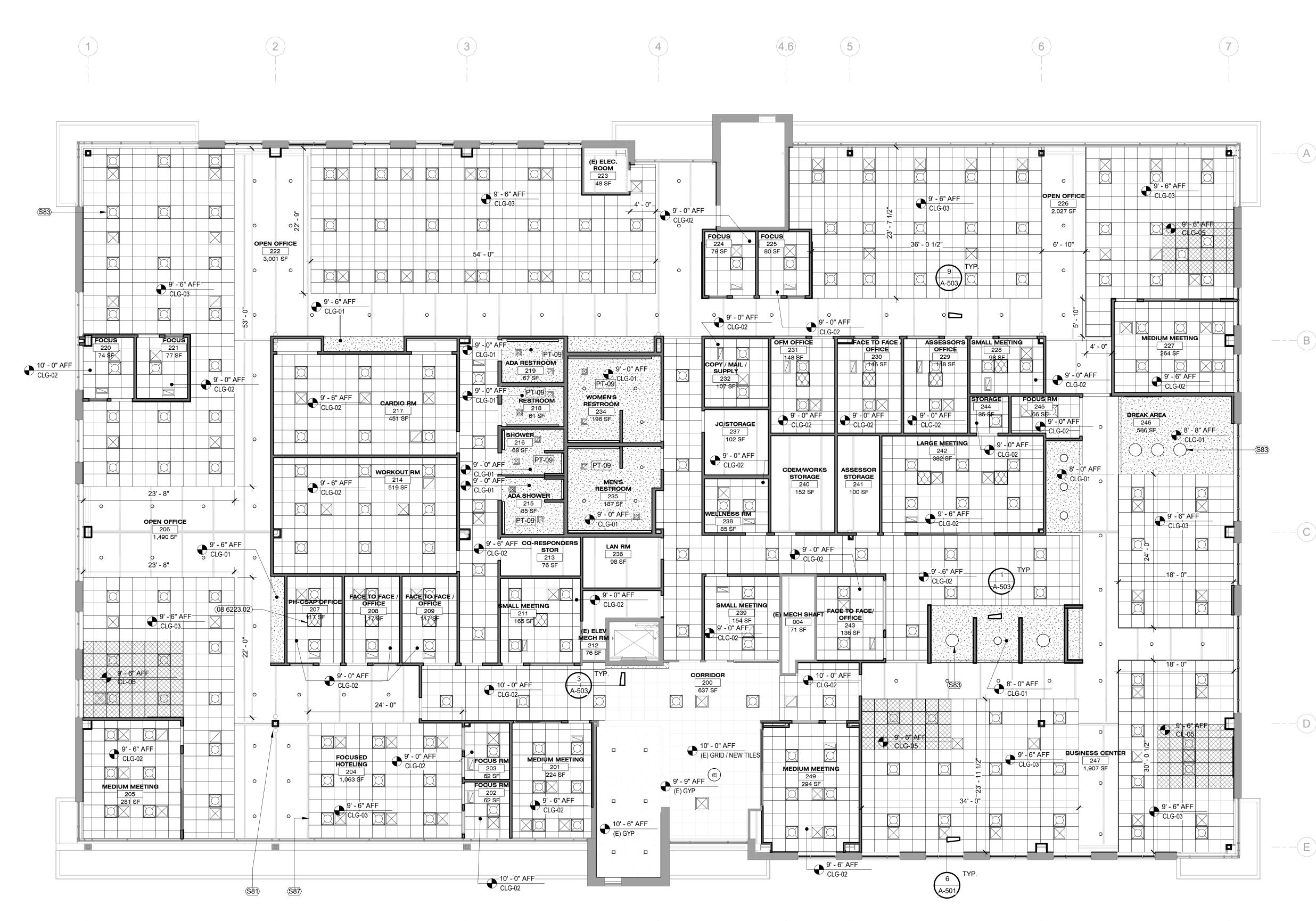
PROJECT NO: 2007

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LEVEL 01 REFLECTED CEILING PLAN

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GENERAL NOTES: REFLECTED CEILING PLANS

- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL
 TAKE PRECEDENCE. IF ADDITIONAL DIMENSIONS ARE
 DECLURED CONTACT ADDITIONAL

 TAKE PRECEDENCE. IF ADDITIONAL DIMENSIONS ARE

 TO SERVICE ADDITIONAL DIMENSIONS ARE

 TO SERVIC
- REQUIRED, CONTACT ARCHITECT.

 2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AND LAY OUT PROPOSED WORK PRIOR TO CONSTRUCTION IN NEW WORK AREA. REPORT DISCREPANCIES TO ARCHITECT FOR RESOLUTION.

 3. IN THE EVENT OF CONFLICTING OR UNCLEAR
- INFORMATION, CONTRACTOR SHALL CONTACT ARCHITECT FOR CLARIFICATION DURING THE WORK AFFECTED.

 4. ALL WORK SHALL CONFORM TO APPLICABLE CODES. NOTIFY ARCHITECT OF ANY CONDITIONS OR DETAILS WHICH ARE DEEMED TO BE NONCONFORMING.
- LOCATE SPRINKLER HEADS WHERE NEEDED FOR CODE COMPLIANT DESIGN. HEADS SHALL BE CENTERED IN TILE. HEADS SHALL ALIGN WITHIN A SINGLE VIEWABLE AREA.
 ALL EXPOSED CEILINGS SHALL BE PAINTED PT-02.
- INCLUDING BUT NOT LIMITED TO CONDUIT, HVAC EQUIPMENT, ETC

 7. ALL GYP CEILINGS ARE TO BE PAINTED PT-01 U.N.O.
- ALL EXPOSED STRUCTURE IS TO BE PAINTED PT-02 U.N.O.
 ALL EXPOSED CONDUIT TO BE INSTALLED IN AN ORDERLY AND ORTHOGONAL MANNER.
- 10. ALL WALLS TO EXTEND TO UNDERSIDE OF FLOOR ABOVE, U.N.O.

LEGEND: REFLECTED CEILING PLAN

EXISTING WALL ASSEMBLY TO REMAIN

PROPOSED WALL ASSEMBLY

WOOD ACOUSTICAL SLAT - CLG 04

OPEN TO STRUCTURE - (E) STRUCTURE TO BE EXPOSED.
PAINT.

PATCH AND REPAIR (E) CEILING

(E) GWB CEILING

GWB CEILING

NEW ACT CEILING

EXISTING ACT CEILING

ACT CEILING, CLG-05

RECESSED CAN LIGHT - ROUND; RE: ELEC.

RECESSED CAN LIGHT - SQUARE; RE: ELEC.

2X2 TROFFER LIGHT; RE: ELEC.

RECESS LINEAR LIGHT; RE: ELEC.

TUBULAR SOLAR DIFFUSER

DECORATIVE PENDANT LIGHT; RE: ELEC.

DECORATIVE SURFACE MOUNT LIGHT; RE: ELEC.

• CAN PENDANT LIGHT - ROUND; RE: ELEC.

RECTILINEAR PENDANT; RE: ELEC.

SUPPLY DIFFUSER; RE: MECH

☑ RETURN GRILL; RE: MECH

— LINEAR DIFFUSER; RE: MECH

SHEET NOTES

NOTE

DESCRIPTION

S81

(E) ROOF DRAINS TO REMAIN

S83

LIGHT FIXTURE; RE: ELEC.

S87

6" AXIOM TRIM AT ALL EXPOSED EDGES OF ACT CEILINGS; RE: 9/A-503

KEYNOTE LEGEND

KEYNOTE DESCRIPTION

08 6223.02 TUBULAR SOLAR DIFFUSER



OWNER
BOULDER COUNTY PUBLIC WORKS
2525 13TH STREET
BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205

MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100
LONGMONT, CO 80501

STRUCTURAL ENGINEER ANTHEM STRUCTURAL

2213 CENTRAL AVE BOULDER, CO 80301

LIGHTING DESIGNER
ENLIGHTEN
12364 W ALAMEDA PARKWAY, SUITE 135
LAKEWOOD, CO 80228

ACOUSTIC ENGINEER
K2 AUDIO

5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

FURNITURE
WORKPLACE RESOURCE
1899 WYNKOOP ST
DENVER, CO 80202

CIVIL ENGINEER

JVA CONSULTING ENGINEERS

1319 SPRUCE ST

BOULDER, CO 80302

COUNTY SERVICE HUB

SOUTHEAST COUNT
1755 S. PUBLIC RD
LAFAYETTE, CO 80026

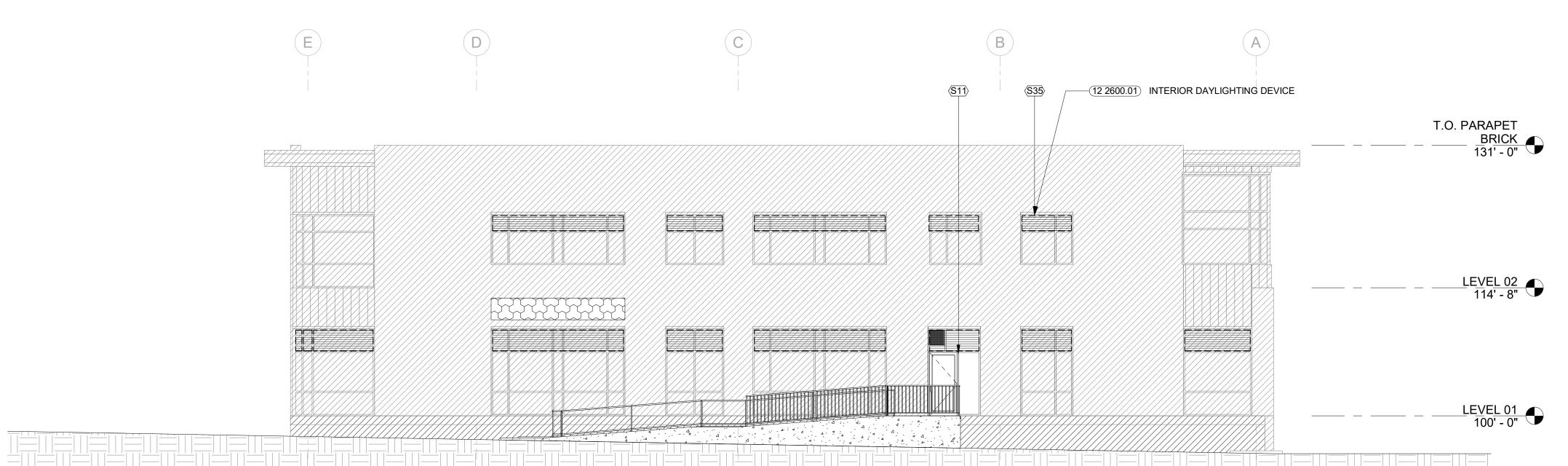
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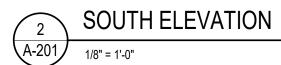
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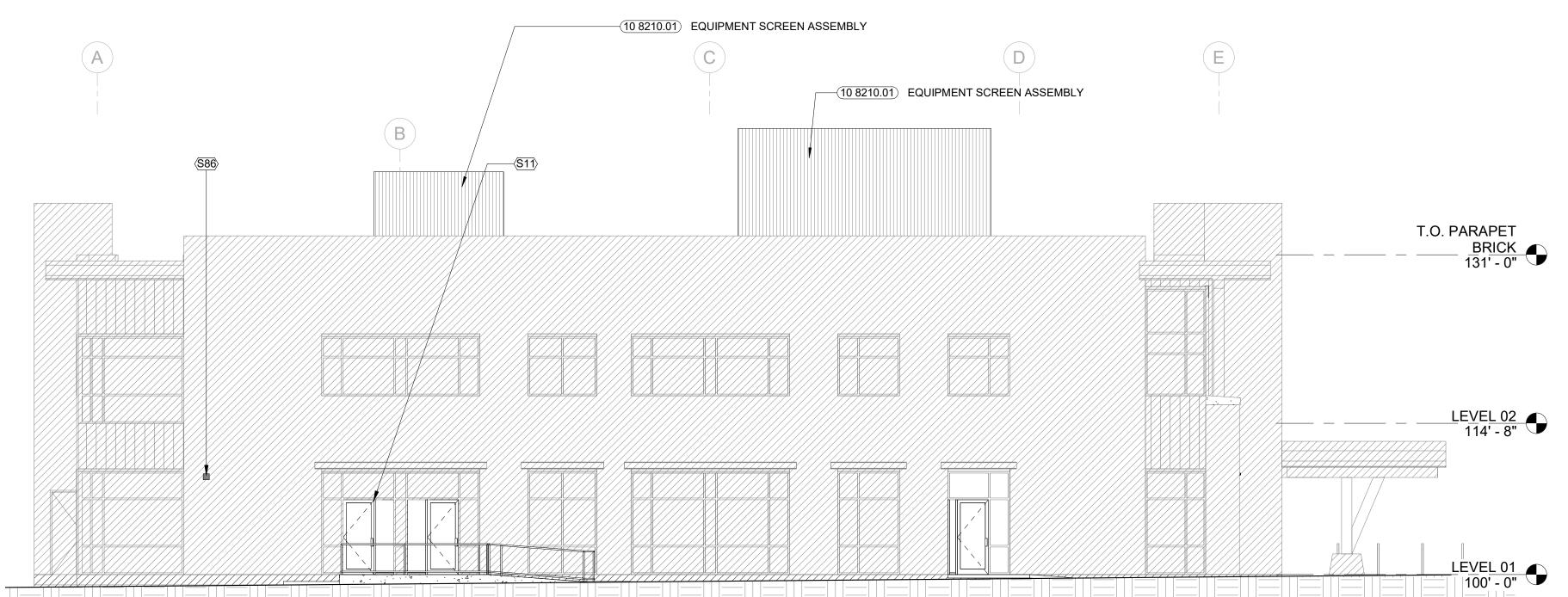
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LEVEL 02 REFLECTED
CEILING PLAN

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NORTH ELEVATION

GENERAL NOTES: ELEVATIONS

3. IN THE EVENT OF CONFLICTING OR UNCLEAR

- 1. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE. IF ADDITIONAL DIMENSIONS ARE REQUIRED, CONTACT ARCHITECT.
- 2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AND LAY OUT PROPOSED WORK PRIOR TO CONSTRUCTION IN NEW WORK AREA. REPORT DISCREPANCIES TO ARCHITECT FOR RESOLUTION.
- INFORMATION, CONTRACTOR SHALL CONTACT ARCHITECT FOR CLARIFICATION DURING THE WORK AFFECTED. 4. SITE SURVEY PROVIDED IS DEEMED TO BE RELIABLE AND ACCURATE. CONTRACTOR TO NOTIFY ARCHITECT AND CIVIL ENGINEER WHEN DISCREPANCIES ARE
- ENCOUNTERED PRIOR TO OR DURING CONSTRUCTION. 5. ALL WORK SHALL CONFORM TO APPLICABLE CODES. NOTIFY ARCHITECT OF ANY CONDITIONS OR DETAILS WHICH ARE DEEMED TO BE NONCONFORMING.

BUILDING ELEVATION LEGEND

NEW ELEMENTS EXISTING ELEMENT TO REMAIN LOCATIONS OF INTERIOR DAYLIGHTING DEVICES

LOCATION OF FUTURE SIGNAGE. TO BE PROVIDED BY OWNER

	SHEET NOTES
NOTE	DESCRIPTION
S11	REMOVE (E) GLAZING UNITS AND MULLIONS TO INSTALI DOORS AT (E) STOREFRONT UNIT; RE: A-605 AND A-600
S35	INSTALL INTERIOR DAYLIGHTING DEVICES AT INTERIOR SIDE OF EXISTING STOREFRONT WINDOWS
S86	DRYER VENT

II	NTERIOR DAY	LIGHTIN	NG DEV	ICE SC	HEDULE
TYPE Mark	DESCRIPTION	HEIGHT	WIDTH	COUNT	COMMENTS
	26 51 00_Recessed Can-Downlight2_sD C			34	
	26 51 00_Recessed Can-Downlight-Squ are_sDC			7	
	26 51 00 Can_Pendant_sDC			64	
	26 51 00 Can_Pendant_sDC			24	
	26_PENDANT FIXTURES AT ISLAND			6	
	COUNTY STANDARD 2X2			3	
	Downlight - Round - LED			4	
	Via Recessed			3	
	Via Recessed			2	
	Via Recessed			1	
	Via Recessed			1	
	Via Recessed			7	
	Via Recessed			3	
	Via Recessed Via Recessed			1	
L1	LightLouver	2' - 5"	0' - 10"	3	V.I.F. DIMENSION
L2	LightLouver	1' - 9"	1' - 0"	2	V.I.F. DIMENSION
L3	LightLouver	2' - 5"	1' - 0"	4	V.I.F. DIMENSION
L4	LightLouver	1' - 9"	1' - 9"	18	V.I.F. DIMENSION
L5	LightLouver	2' - 5"	1' - 9"	17	V.I.F. DIMENSION
L6	LightLouver	2' - 5"	2' - 9"	1	V.I.F. DIMENSION
L7	LightLouver	1' - 9"	3' - 1"	2	V.I.F. DIMENSION
L8	LightLouver	2' - 5"	3' - 1"	2	V.I.F. DIMENSION
L9	LightLouver	1' - 9"	3' - 9"	14	V.I.F. DIMENSION
L10	LightLouver	2' - 5"	3' - 9"	11	V.I.F. DIMENSION
L11	LightLouver	2' - 5"	4' - 5"	3	V.I.F. DIMENSION
L12	LightLouver	1' - 9"	4' - 11"	4	V.I.F. DIMENSION
L13	LightLouver	2' - 5"	4' - 11"	4	V.I.F. DIMENSION
L14	LightLouver	2' - 5"	5' - 1"	4	V.I.F. DIMENSION
L15	LightLouver	2' - 5"	5' - 3"	3	V.I.F. DIMENSION
L16	LightLouver	2' - 5"	5' - 9"	1	V.I.F. DIMENSION
L17	LightLouver	2' - 5"	6' - 10"	1	V.I.F. DIMENSION
L18	LightLouver	2' - 5"	7' - 6"	1	V.I.F. DIMENSION
L19	LightLouver	2' - 5"	8' - 5"	4	V.I.F. DIMENSION

OWNER BOULDER COUNTY PUBLIC WORKS 2525 13TH STREET BOULDER, CO 80304 ARCHITECT / INTERIOR DESIGN
STUDIOTROPE DESIGN COLLECTIVE
2942 WELTON ST DENVER, CO 80205 MEP ENGINEER

STRUCTURAL ENGINEER
ANTHEM STRUCTURAL
2213 CENTRAL AVE
BOULDER, CO 80301 LIGHTING DESIGNER ENLIGHTEN

PCD ENGINEERING 323 3RD AVE, #100

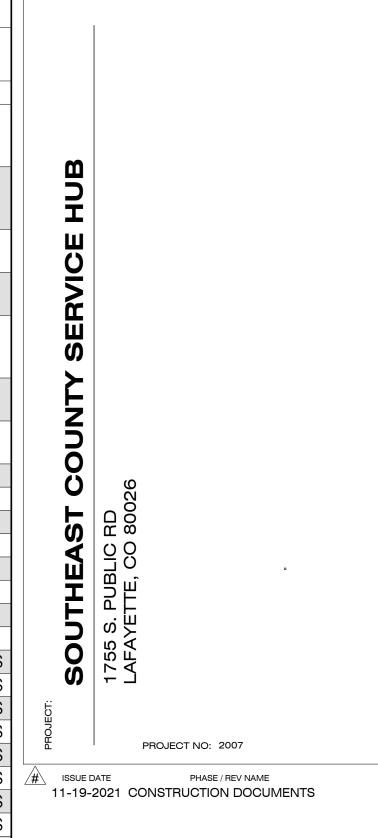
S LONGMONT, CO 80501

12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228

ACOUSTIC ENGINEER **K2 AUDIO** 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

FURNITURE WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202

CIVIL ENGINEER
JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302



ELEVATIONS - EXTERIOR BUILDING ELEVATIONS

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4.6

GENERAL NOTES: ELEVATIONS

- 1. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE. IF ADDITIONAL DIMENSIONS ARE REQUIRED, CONTACT ARCHITECT.
- 2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AND LAY OUT PROPOSED WORK PRIOR TO CONSTRUCTION IN NEW WORK AREA. REPORT DISCREPANCIES TO ARCHITECT FOR RESOLUTION.
- 3. IN THE EVENT OF CONFLICTING OR UNCLEAR INFORMATION, CONTRACTOR SHALL CONTACT ARCHITECT FOR CLARIFICATION DURING THE WORK AFFECTED. 4. SITE SURVEY PROVIDED IS DEEMED TO BE RELIABLE AND ACCURATE. CONTRACTOR TO NOTIFY ARCHITECT AND
- ENCOUNTERED PRIOR TO OR DURING CONSTRUCTION. 5. ALL WORK SHALL CONFORM TO APPLICABLE CODES. NOTIFY ARCHITECT OF ANY CONDITIONS OR DETAILS WHICH ARE DEEMED TO BE NONCONFORMING.

CIVIL ENGINEER WHEN DISCREPANCIES ARE

	NEW ELEMENTS
	EXISTING ELEMENT TO REMAIN
	LOCATIONS OF INTERIOR DAYLIGHTING DEVICE
	LOCATION OF FUTURE SIGNAGE. TO BE PROVIDED BY OWNER

		SHEET NOTES
	NOTE	DESCRIPTION
3	S11	REMOVE (E) GLAZING UNITS AND MULLIONS TO INSTALL DOORS AT (E) STOREFRONT UNIT; RE: A-605 AND A-600
5	S28	TUBULAR DAYLIGHTING DEVICE; PROVIDE UNIT COST
5	S35	INSTALL INTERIOR DAYLIGHTING DEVICES AT INTERIOR

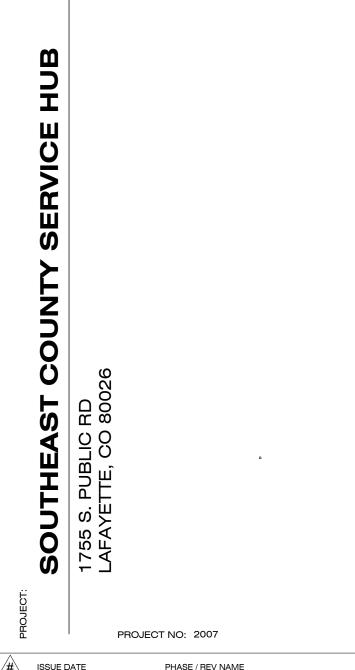
T.O. PARAPET

______BRICK
_____131' - 0"

LEVEL <u>02</u> 114' - 8"

BUILDING ELEVATION LEGEND

DENVER, CO 80202 CIVIL ENGINEER
JVA CONSULTING ENGINEERS SIDE OF EXISTING STOREFRONT WINDOWS 1319 SPRUCE ST



OWNER BOULDER COUNTY PUBLIC WORKS

ARCHITECT / INTERIOR DESIGN
STUDIOTROPE DESIGN COLLECTIVE
2942 WELTON ST

2525 13TH STREET BOULDER, CO 80304

DENVER, CO 80205

MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100

S LONGMONT, CO 80501

STRUCTURAL ENGINEER
ANTHEM STRUCTURAL
2213 CENTRAL AVE
BOULDER, CO 80301

LIGHTING DESIGNER

ACOUSTIC ENGINEER

5777 CENTRAL AVE, SUITE 225

LAKEWOOD, CO 80228

BOULDER, CO 80301

WORKPLACE RESOURCE 1899 WYNKOOP ST

BOULDER, CO 80302

FURNITURE

12364 W ALAMEDA PARKWAY, SUITE 135

ENLIGHTEN

K2 AUDIO

SSUE DATE PHASE / REV NAME
11-19-2021 CONSTRUCTION DOCUMENTS

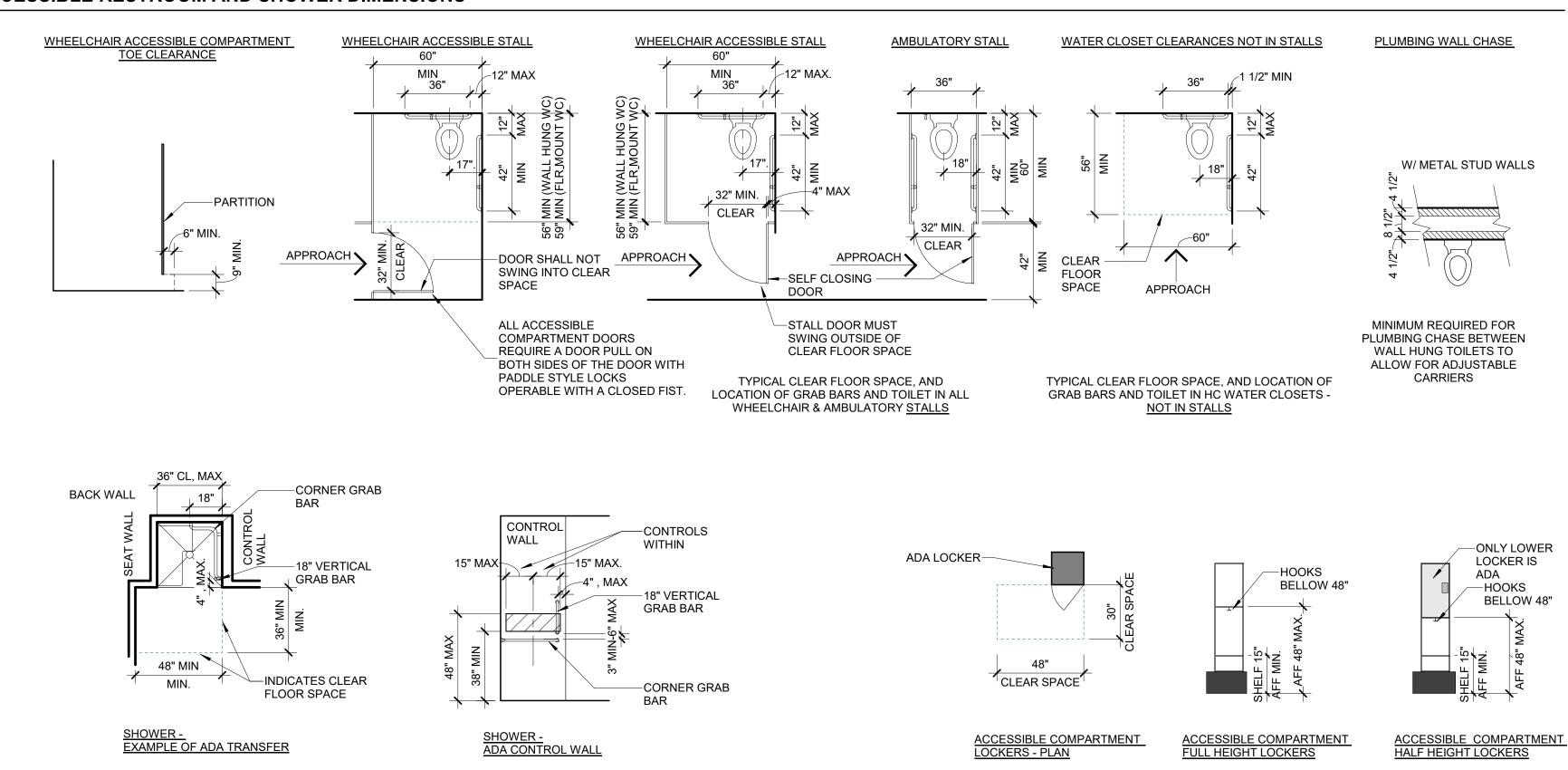
ELEVATIONS - EXTERIOR BUILDING ELEVATIONS

WEST ELEVATION

EAST ELEVATION

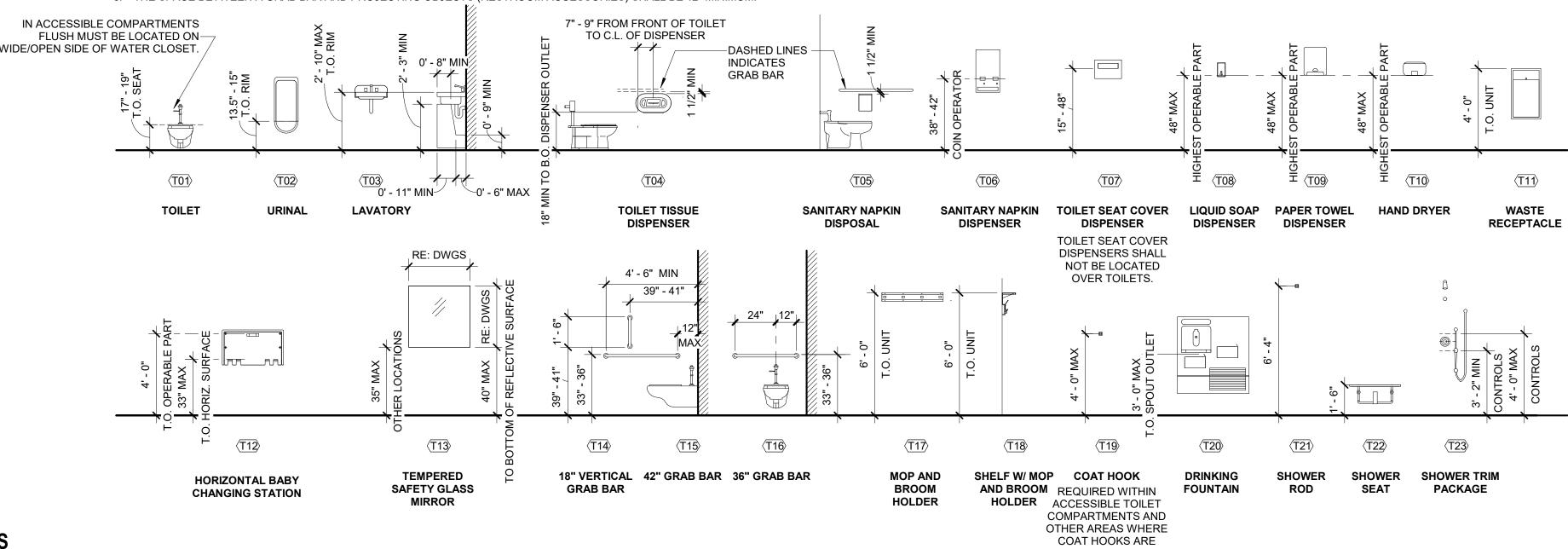
KEY	ITEM	MANUFACTURER	MODEL	NOTES	C.F.C.I.	0.F.C.I.	0.F.O.I.
T01	TOILET			RE: PLUMB	X		
T02	URINAL			RE: PLUMB	Χ		
T03	LAVATORY			RE: PLUMB	Χ		
T04-A	TOILET TISSUE DISPENSER	GEORGIA PACIFIC	GP-100511	VERTICAL 4 - ROLL	Χ		
T04-B	TOILET TISSUE DISPENSER	GEORGIA PACIFIC	GP-5861	VERTICAL 2 - ROLL	Χ		
T05	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	SURFACE MOUNTED STAINLESS STEEL	X		
T07	TOILET SEAT COVER DISPENSER	ALPINE	483	STAINLESS STEEL 304, BRUSHED, WALL MOUNTED	X		
T08	LIQUID SOAP DISPENSER	FOAM-EEZ	9326	BLACK	Χ		
T09	PAPER TOWEL DISPENSER	BOBRICK	B-2974	20-GAUGE STAINLESS STEEL, SATIN FINISH ON EXPOSED SURFACES	X		
T10	HAND DRYER	XLERATOR		BRUSHED STAINLESS STEEL; 1.1 NOISE REDUCTION NOZEL; HEPA FILTER	X		
T11	WASTE RECEPTACLE						
T12	HORIZONTAL BABY CHANGING STATION	KOALA KARE	KB110-SSWM	STAINLESS STEEL	Χ		
T13	TEMPERED SAFETY GLASS MIRROR	TBD	TBD	DIMENSIONS PER ELEVATIONS	X		
T14	18" VERTICAL GRAB BAR	BOBRICK	B-6806X18	18-GAUGE STAINLESS STEEL, 1 1/2" DIAMETER 18" LONG. WHERE GRAB BARS ARE INSTALLED ON PARTITIONS PROVIDE ANCHOR 2586	X		
T15	42" GRAB BAR	BOBRICK	B-6806X42	18-GAUGE STAINLESS STEEL, 1 1/2" DIAMETER 42" LONG	X		
T16	36" GRAB BAR	BOBRICK	B-6806X36	18-GAUGE STAINLESS STEEL, 1 1/2" DIAMETER 18" LONG	X		
T18	SHELF W/ MOP AND BROOM HOLDER	THE CLINCHER	8CK06; 333-6-WHT2	18-GAUGE STAINLESS STEEL	X		
T19	COAT HOOK				Χ		
T20	DRINKING FOUNTAIN			RE: PLUMB	Χ		
T21	SHOWER ROD	BOBRICK	B-207	20-GAUGE STAINLESS STEEL ROD, VERIFY LENGTH WITH SHOWER ENCLOSURE SPEC	X		
T22	SHOWER SEAT				Χ		
T23	SHOWER TRIM PACKAGE			RE: PLUMB	Χ		
T24	JANITOR'S CLOSET SHELVES	GRAINGER'S CHOICE		VENITLATED STEEL WIRE WALL SHELF; 60" W x 14" D - 3 SHELF	X		
T25	JANITOR'S CLOSET SHELVES	GRAINGER'S CHOICE		VENITLATED STEEL WIRE WALL SHELF; 24" W x 14" D - 3 SHELF	X		

ACCESSIBLE RESTROOM AND SHOWER DIMENSIONS

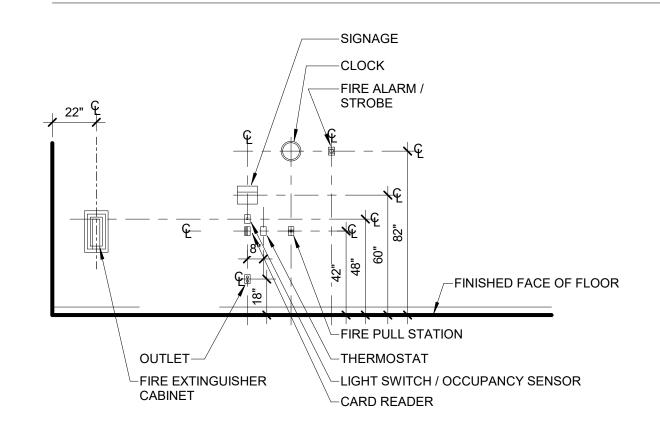


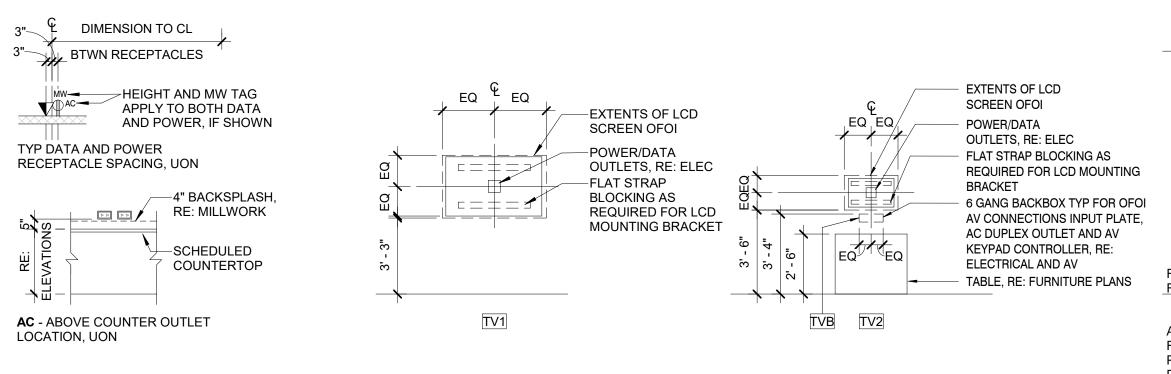
RESTROOM ACCESSORY MOUNTING HEIGHTS

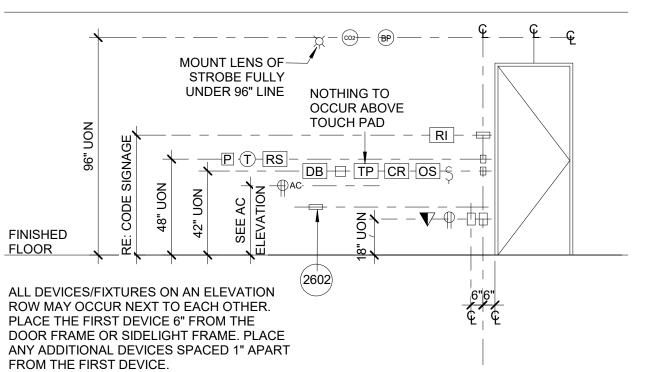
- 1. NOT ALL ITEMS IN ACCESSORY SCHEDULE WILL BE USED. RE: PLANS AND INTERIOR ELEVATIONS FOR ITEMS USED.
- DIMENSIONS SHOWN ARE TYPICAL U.N.O. IN PLANS AND INTERIOR ELEVATIONS
 SEE INTERIOR ELEVATIONS AND PLANS FOR ACCESSORY AND GRAB BAR LOCATIONS.
- 4. FOR TOILET AND BATH ACCESSORIES, RE: SPEC SECTION 10 2800
- 5. WHERE A RANGE IS PROVIDED, THE TWO VALUES REPRESENT A MINIMUM AND MAXIMUM ALLOWABLE DIMENSION.
 6. THE SPACE BETWEEN A GRAB BAR AND PROJECTING OBJECTS (RESTROOM ACCESSORIES) SHALL BE 12" MINIMUM.



TYPICAL DEVICE MOUNTING HEIGHTS AND LOCATIONS

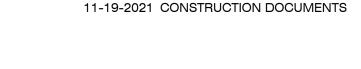






PROVIDED FOR THE PUBLIC.

OWNER BOULDER COUNTY PUBLIC WORKS 2525 13TH STREET BOULDER, CO 80304 ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE DENVER, CO 80205 MEP ENGINEER PCD ENGINEERING 323 3RD AVE, #100 LONGMONT, CO 80501 **3 STRUCTURAL ENGINEER** ANTHEM STRUCTURAL 2213 CENTRAL AVE BOULDER, CO 80301 LIGHTING DESIGNER ENLIGHTEN 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228 ACOUSTIC ENGINEER **K2 AUDIO** 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301 **FURNITURE** WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202 CIVIL ENGINEER JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302 SOUTHEAST (1755 S. PUBLIC RD LAFAYETTE, CO 8002



ISSUE DATE

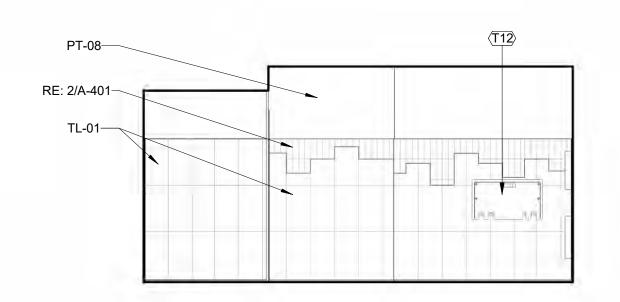
PROJECT NO: 2007

PHASE / REV NAME

TOILET ACCESSORIES / MOUNTING HEIGHTS / ADA CLEARANCES

A - 4 O O

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FAMILY RESTROOM #153 - SOUTH ELEVATION

PT-08-

TL-01-

PT-08-TL-01-

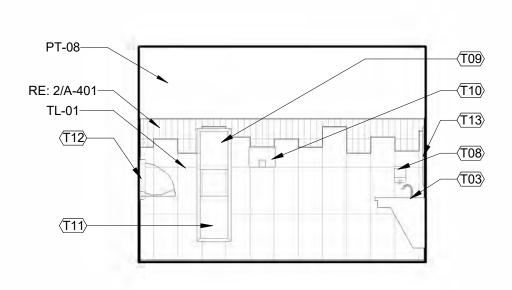
(T04)-

1(01-18−

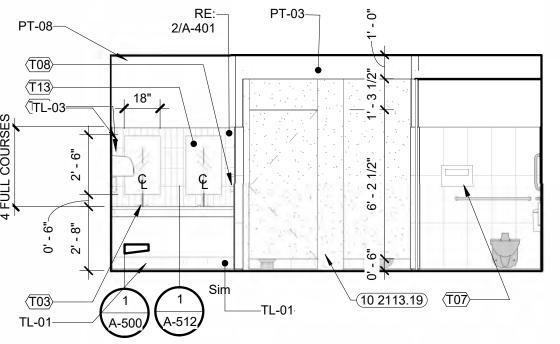
1/4" = 1'-0"

1/4" = 1'-0"

WOMEN'S RESTROOM #152 - SOUTH ELEVATION



FAMILY RESTROOM #153 - WEST ELEVATION 2



FAMILY RESTROOM #153 - NORTH ELEVATION A-401

FAMILY RESTROOM #153 - WEST ELEVATION 1

13' - 8 1/4"

10 2113.15

T(01-A-

(10 2113.19)-

6' - 0 3/8"

4' - 11 1/2"

7' - 10 1/8"

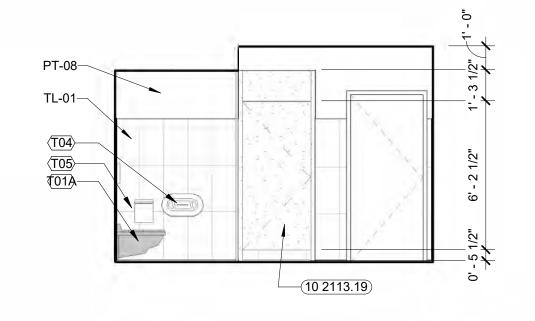
1' - 1 21/64"

12" MIN

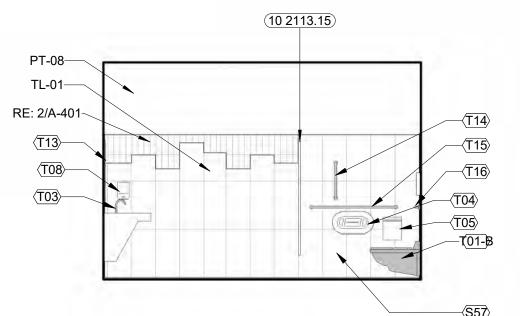
79 SF

C1-3

(T16) T(01-B) (T04)



FAMILY RESTROOM #153 - EAST ELEVATION A-401

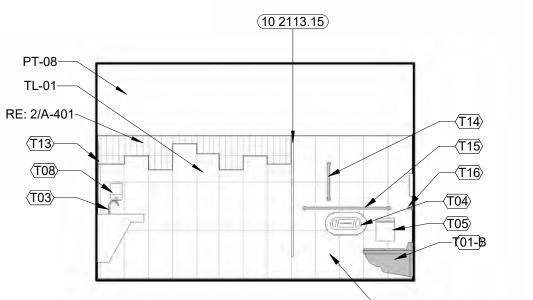


14' - 5 1/8"

5' - 8 1/8"

5' - 1 3/8"

WOMEN'S RESTROOM #152 - WEST ELEVATION 2



(T09)

-(10 2113.15

-**√T13**>

(T10) ►

\4' - 10 3/8" ·

FAMILY RESTROOM



1. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE. IF ADDITIONAL DIMENSIONS ARE REQUIRED, CONTACT ARCHITECT.

2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AND LAY OUT PROPOSED WORK PRIOR TO CONSTRUCTION IN NEW WORK AREA. REPORT.

3. ALL DIMENSIONS ARE SHOWN TO FACE OF DRYWALL FOR NEW PARTITIONS. FINISH MATERIAL SUCH AS TILE OR FRP IS NOT ACCOUNTED FOR IN GIVEN DIMENSIONS. 4. IN THE EVENT OF CONFLICTING OR UNCLEAR INFORMATION, CONTRACTOR SHALL CONTACT ARCHITECT

DISCREPANCIES TO ARCHITECT FOR RESOLUTION.

FOR CLARIFICATION. 5. ALL WORK SHALL CONFORM TO APPLICABLE CODES. NOTIFY ARCHITECT OF ANY CONDITIONS OR DETAILS WHICH ARE DEEMED TO BE NONCONFORMING.

COORDINATE WITH ALL OTHER DRAWINGS AND

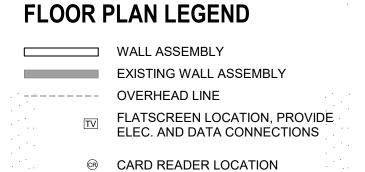
SPECIFICATIONS FOR ADDITIONAL SCOPE. FOR ALL EXISTING SURFACES TO REMAIN THAT HAVE BEEN IDENTIFIED TO RECEIVE NEW PAINT: SCRAPE, SPACKLE, PATCH, CLEAN, OR OTHERWISE PREPARE SURFACE TO RECEIVE PAINT WITHOUT NOTICEABLE IMPERFECTION. 8. REFER TO ROOM FINISH LEGEND FOR FLOOR AND WALL

FINISHES 9. REFER TO FINISH PLANS FOR EXTENT OF NEW FLOORING 10. DIRECTIONS WHERE NOTED ARE ALWAYS IN REFERENCE TO PLAN NORTH.

11. SEE SHEET A-001 FOR WALL AND PARTITION TYPES. PARTITION ARE TYPE P1-4 UON 12. DOOR FRAMES ARE TO BE LOCATED 4" FROM ADJACENT

WALL, UON. 13. SEE SHEET A-400 FOR STANDARD DIMENSIONS AND

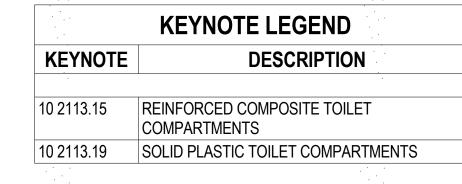
MOUNTING HEIGHTS. 14. SEE A-600 AND INTERIOR ELEVATIONS FOR CASEWORK



	KEYNOTE LEGEND
KEYNOTE	DESCRIPTION
10 2113.15	REINFORCED COMPOSITE TOILET COMPARTMENTS
10 2113.19	SOLID PLASTIC TOILET COMPARTMENTS

	SHEET NOTES
NOTE	DESCRIPTION
S57	ACCESSIBLE TOILET STALL: RE: A-400 FOR MOUNTING HEIGHTS AND CLEARANCES
S58	ACCESSIBLE TOILET ROOM; RE: A-400 FOR MOUNTING HEIGHTS AND CLEARANCES
S59	ACCESSIBLE CHILDREN'S TOILET

• • • • • • • • • • • • • • • • • •	TOILET ACCESSORY NOTE
NOTE	DESCRIPTION
Г01-А	TOILET, RE: PLUMB
Г01-В	TOILET, ADA; RE: PLUMB
Г01-С	TOILET, CHILDREN'S' RE: PLUMB
Г01А	
Γ02	URINAL, RE: PLUMB
Γ03	SINGLE LAVATORY, RE: PLUMB
Γ04	TOILET TISSUE DISPENSER
Г04-А	TOILET TISSUE DISPENSER
Γ05	SANITARY NAPKIN DISPOSAL
Γ06	SANITARY NAPKIN DISPENSER
Γ07	TOILET SEAT COVER DISPENSER
Г08	LIQUID SOAP DISPENSER
Г09	PAPER TOWEL DISPENSER
Γ10.	HAND DRYER
Γ11	WASTE RECEPTACLE
Γ12	HORIZONTAL BABY CHANGING STATIO
Γ13	TEMPERED SAFETY GLASS MIRROR
Γ14	18" VERTICAL GRAB BAR
Г15	42" GRAB BAR
Г16	36" GRAB BAR
Γ22	SHOWER SEAT



TOILET ACCESSORY NOTES		
NOTE	DESCRIPTION	
T01-A	TOILET, RE: PLUMB	
T01-B	TOILET, ADA; RE: PLUMB	
T01-C	TOILET, CHILDREN'S' RE: PLUMB	
T01A		
T02	URINAL, RE: PLUMB	
T03	SINGLE LAVATORY, RE: PLUMB	
T04	TOILET TISSUE DISPENSER	
T04-A	TOILET TISSUE DISPENSER	
T05	SANITARY NAPKIN DISPOSAL	
T06	SANITARY NAPKIN DISPENSER	
T07	TOILET SEAT COVER DISPENSER	
T08	LIQUID SOAP DISPENSER	
T09	PAPER TOWEL DISPENSER	
T10	HAND DRYER	
Γ11	WASTE RECEPTACLE	
Г12	HORIZONTAL BABY CHANGING STATION	
T13	TEMPERED SAFETY GLASS MIRROR	
T14	18" VERTICAL GRAB BAR	

ACOUSTIC ENGINEER **K2 AUDIO** 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301 **FURNITURE** WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202 **CIVIL ENGINEER** JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302 PROJECT NO: 2007 PHASE / REV NAME ISSUE DATE 11-19-2021 CONSTRUCTION DOCUMENTS **RESTROOMS - ENLARGED**

OWNER BOULDER COUNTY PUBLIC WORKS

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE

2525 13TH STREET BOULDER, CO 80304

2942 WELTON ST

DENVER, CO 80205

PCD ENGINEERING 323 3RD AVE, #100

MEP ENGINEER

CONGMONT, CO 80501

ANTHEM STRUCTURAL

LAKEWOOD, CO 80228

2213 CENTRAL AVE

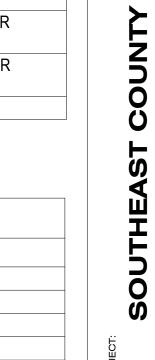
BOULDER, CO 80301

ENLIGHTEN

STRUCTURAL ENGINEER

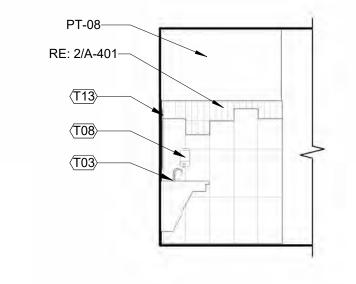
LIGHTING DESIGNER

12364 W ALAMEDA PARKWAY, SUITE 135

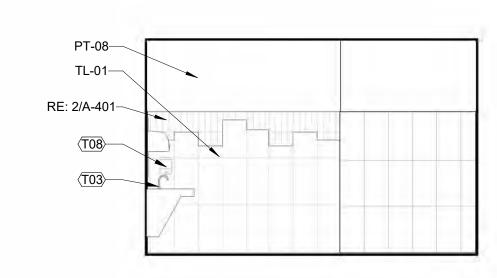


PLANS AND ELEVATIONS

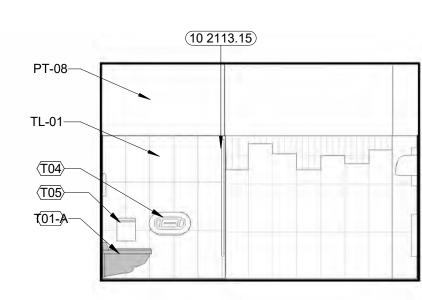
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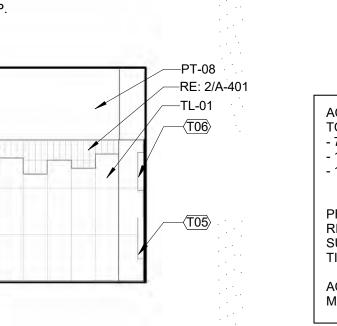
FAMILY RESTROOM #153 - EAST ELEVATION 1



WOMEN'S RESTROOM #152 - WEST ELEVATION 1



WOMEN'S RESTROOM #152 - EAST ELEVATION 2



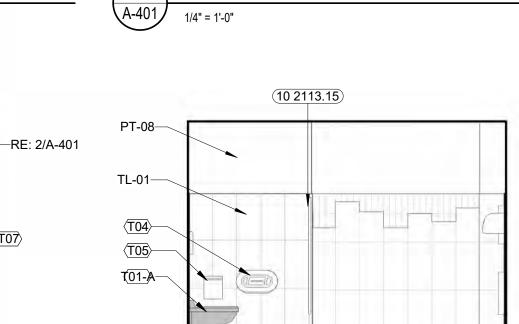
⊢TL-04 ⊢TL-05 ACCENT BAND TILE MIX RATIO TO BE AS FOLLOWS: - 70% TL-03 - 15% TL-04 - 15% TL-05 PRECONSTRUCTION MEETING REQUIRED WITH SUBCONTRACTOR PRIOR TO TILE INSTALLATION ACCENT TILE CUTS TO BE MADE IN 3" OR 7" INCREMENTS

TOP OF ACCENT BAND TO BE START POINT FOR FULL SIZE ACCENT TILE; CUTS TO BE MADE AT ACCENT TILE TO FIELD TILE TRANSITION.

⟨T04⟩

T(01-)C-

ENLARGED FLOOR PLANS RMS #151, #152, #153

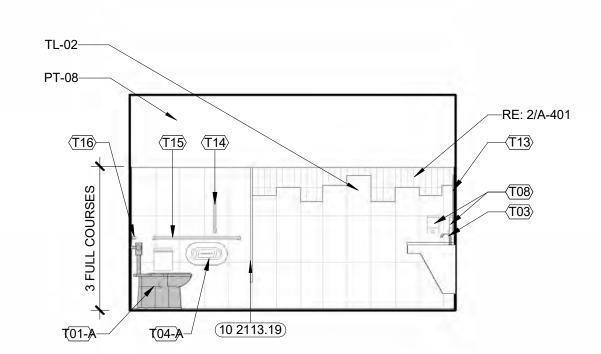


WOMEN'S RESTROOM #152 - NORTH ELEVATION

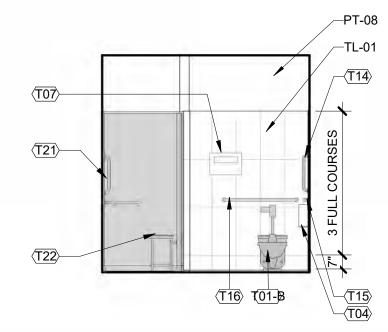
WOMEN'S RESTROOM #152 - EAST ELEVATION 1

A-401 1/4" = 1'-0"

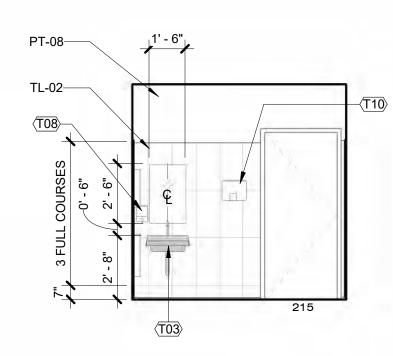
FRINGE ACCENT BAND TILE MIX



WOMEN'S RESTROOM #234 - NORTH ELEVATION 13 A-402 1/4" = 1'-0"

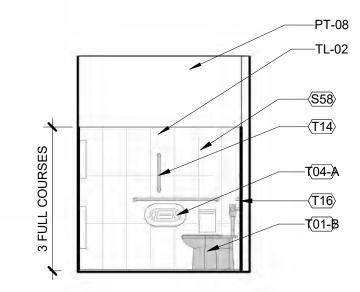


ADA SHOWER #215 - SOUTH ELEVATION



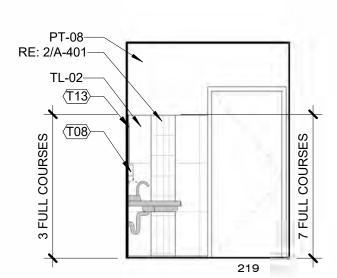
ADA SHOWER #215 - NORTH ELEVATION

7
A-402
1/4" = 1'-0"



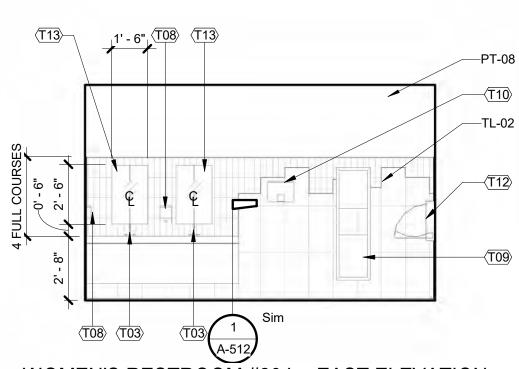
ADA RESTROOM #219 - SOUTH ELEVATION

1/4" = 1'-0"

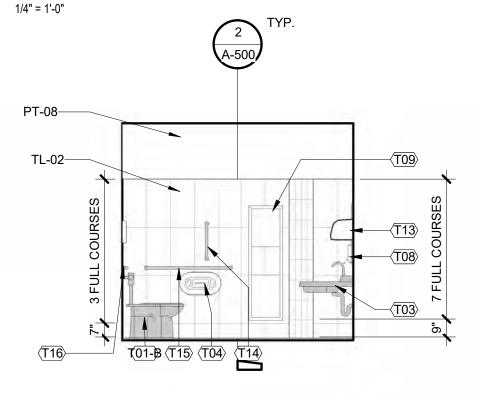


ADA RESTROOM #219 - NORTH ELEVATION

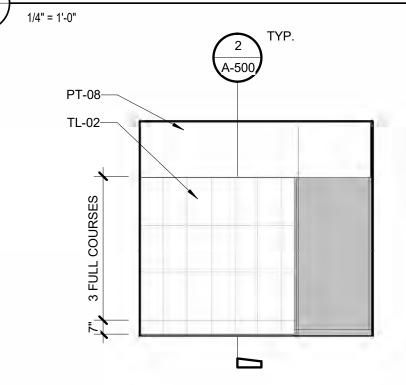
3
A-402
1/4" = 1'-0"



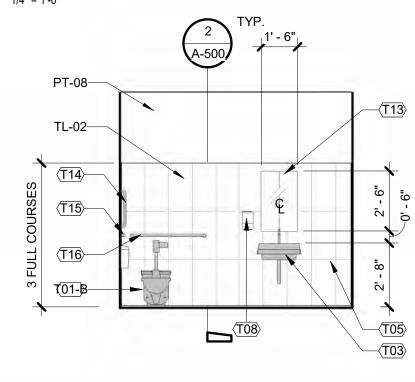
WOMEN'S RESTROOM #234 - EAST ELEVATION

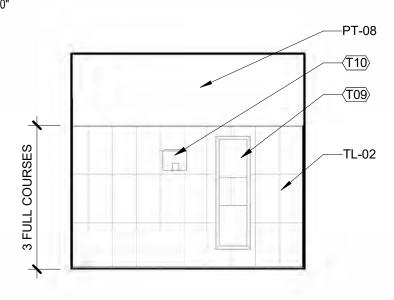


ADA SHOWER #215 - WEST ELEVATION

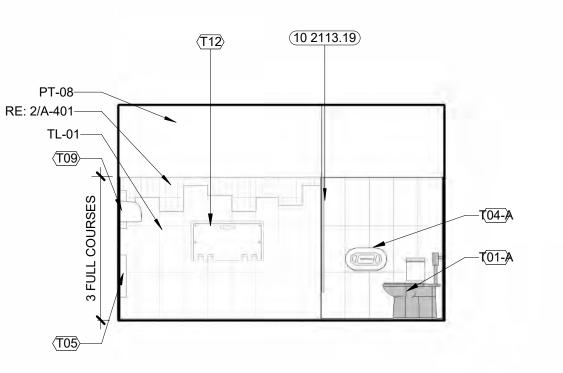


ADA SHOWER #215 - EAST ELEVATION

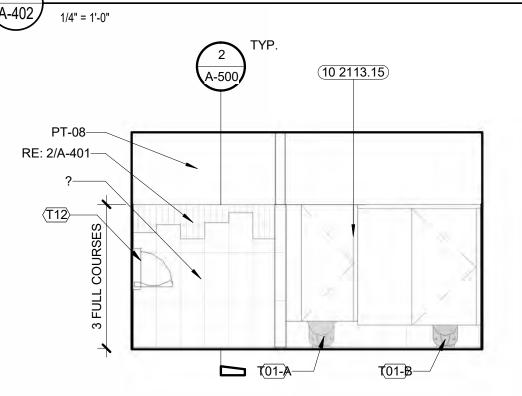


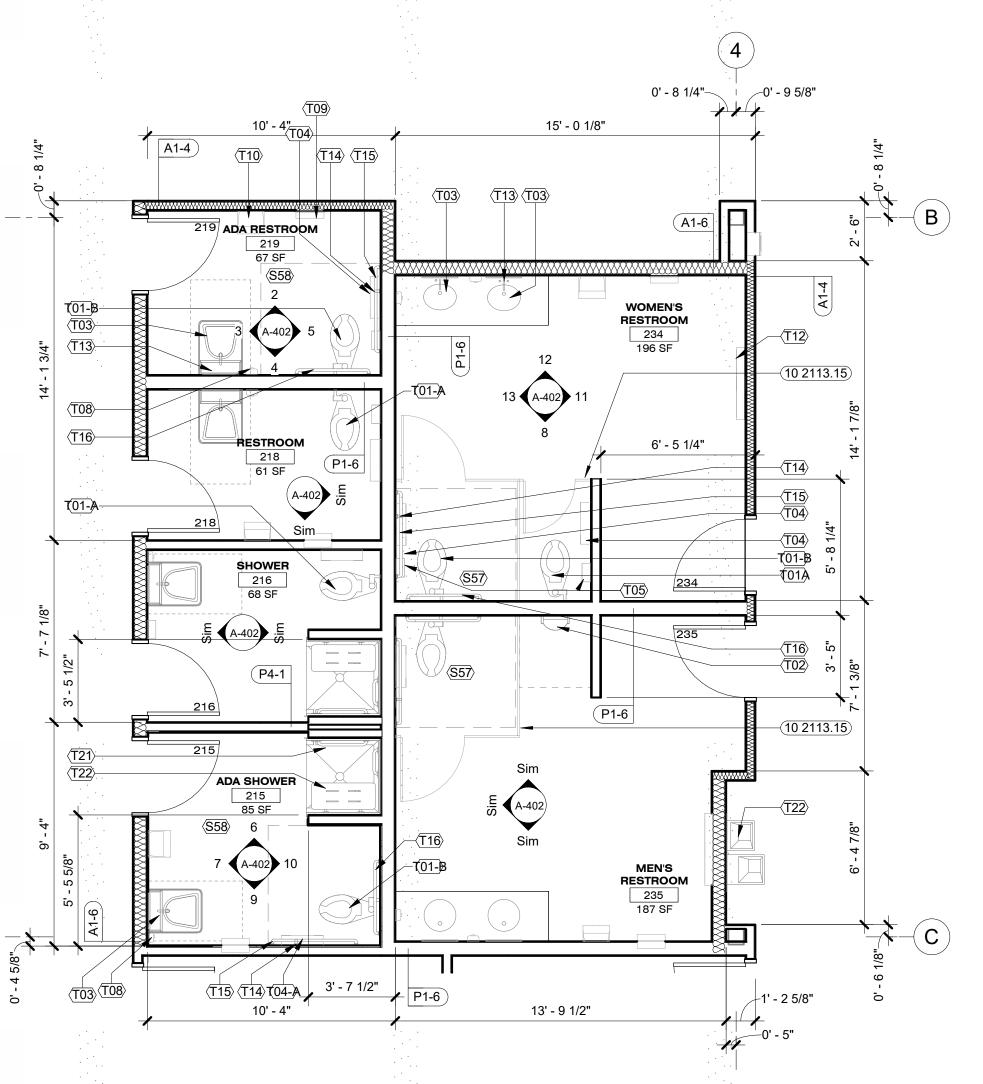


ADA RESTROOM #219 - EAST ELEVATION



WOMEN'S RESTROOM #234 - SOUTH ELEVATION





ENLARGED FLOOR PLANS RMS #234, #235, #215, #216, #218, #219

GENERAL NOTES: ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS

- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE. IF ADDITIONAL DIMENSIONS ARE REQUIRED, CONTACT ARCHITECT.
- REQUIRED, CONTACT ARCHITECT.

 2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AND LAY OUT PROPOSED WORK PRIOR TO CONSTRUCTION IN NEW WORK AREA. REPORT
- DISCREPANCIES TO ARCHITECT FOR RESOLUTION.

 3. ALL DIMENSIONS ARE SHOWN TO FACE OF DRYWALL FOR NEW PARTITIONS. FINISH MATERIAL SUCH AS TILE OR FRP IS NOT ACCOUNTED FOR IN GIVEN DIMENSIONS.
- 4. IN THE EVENT OF CONFLICTING OR UNCLEAR INFORMATION, CONTRACTOR SHALL CONTACT ARCHITECT FOR CLARIFICATION.

 5. ALL WORK SHALL CONFORM TO ARRUGABLE CODES.
- ALL WORK SHALL CONFORM TO APPLICABLE CODES. NOTIFY ARCHITECT OF ANY CONDITIONS OR DETAILS WHICH ARE DEEMED TO BE NONCONFORMING.
 COORDINATE WITH ALL OTHER DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL SCOPE.
- FOR ALL EXISTING SURFACES TO REMAIN THAT HAVE BEEN IDENTIFIED TO RECEIVE NEW PAINT: SCRAPE, SPACKLE, PATCH, CLEAN, OR OTHERWISE PREPARE SURFACE TO RECEIVE PAINT WITHOUT NOTICEABLE IMPERFECTION.
 REFER TO ROOM FINISH LEGEND FOR FLOOR AND WALL
- FINISHES

 9. REFER TO FINISH PLANS FOR EXTENT OF NEW FLOORING.

 10. DIRECTIONS WHERE NOTED ARE ALWAYS IN REFERENCE
- TO PLAN NORTH.

 11. SEE SHEET A-001 FOR WALL AND PARTITION TYPES.

 PARTITION ARE TYPE P1-4 LION
- PARTITION ARE TYPE P1-4 UON

 12. DOOR FRAMES ARE TO BE LOCATED 4" FROM ADJACENT
- WALL, UON.

 13. SEE SHEET A-400 FOR STANDARD DIMENSIONS AND
- MOUNTING HEIGHTS.

 14. SEE A-600 AND INTERIOR ELEVATIONS FOR CASEWORK

FLOOR PLAN LEGEND

	WALL ASSEMBLY
	EXISTING WALL ASSEMBLY
	OVERHEAD LINE
. · ·	FLATSCREEN LOCATION, PROVIDE ELEC. AND DATA CONNECTIONS
	CARD READER LOCATION

· · · · · · · · · · · · · · · · · · ·	KEYNOTE LEGEND
KEYNOTE	DESCRIPTION
10 2113.15	REINFORCED COMPOSITE TOILET COMPARTMENTS
10 2113.19	SOLID PLASTIC TOILET COMPARTMENTS

SHEET NOTES		
NOTE DESCRIPTION		
S57	ACCESSIBLE TOILET STALL: RE: A-400 FOR MOUNTING HEIGHTS AND CLEARANCES	
S58	ACCESSIBLE TOILET ROOM; RE: A-400 FOR MOUNTING HEIGHTS AND CLEARANCES	

TOILET ACCESSORY NOTES								
NOTE	DESCRIPTION							
T01-A	TOILET, RE: PLUMB							
T01-B	TOILET, ADA; RE: PLUMB							
Г01А								
T02	URINAL, RE: PLUMB							
Т03	SINGLE LAVATORY, RE: PLUMB							
Γ04	TOILET TISSUE DISPENSER							
T04-A	TOILET TISSUE DISPENSER							
T05	SANITARY NAPKIN DISPOSAL	•						
Γ07	TOILET SEAT COVER DISPENSE	R						
T08	LIQUID SOAP DISPENSER							
T09	PAPER TOWEL DISPENSER							
T10 .	HAND DRYER							
Γ12	HORIZONTAL BABY CHANGING	STATION						
Г13	TEMPERED SAFETY GLASS MIR	ROR						
T14	18" VERTICAL GRAB BAR							
Γ15	42" GRAB BAR							
Г16	36" GRAB BAR							
Г21	SHOWER ROD							
T22	SHOWER SEAT							



OWNER
BOULDER COUNTY PUBLIC WORKS
2525 13TH STREET
BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN
STUDIOTROPE DESIGN COLLECTIVE
2942 WELTON ST
DENVER, CO 80205

MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100
LONGMONT, CO 80501

STRUCTURAL ENGINEER
ANTHEM STRUCTURAL
2213 CENTRAL AVE

BOULDER, CO 80301
LIGHTING DESIGNER

ENLIGHTEN
12364 W ALAMEDA PARKWAY, SUITE 135
LAKEWOOD, CO 80228

ACOUSTIC ENGINEER

K2 AUDIO 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

FURNITURE WORKELAGE BESOURCE

WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202

CIVIL ENGINEER
JVA CONSULTING ENGINEERS
1319 SPRUCE ST
BOULDER, CO 80302

SOUTHEAST COUNTY SERVICE HUB
1755 S. PUBLIC RD
LAFAYETTE, CO 80026
LAFAYETTE, CO 80026

ISSUE DATE

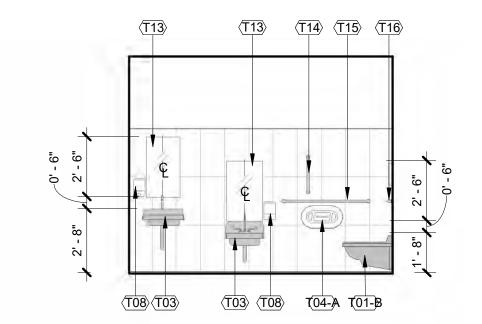
RESTROOMS - ENLARGED PLANS AND ELEVATIONS

PHASE / REV NAME

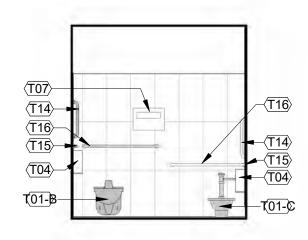
11-19-2021 CONSTRUCTION DOCUMENTS

70

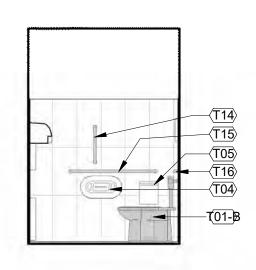
A-402© 2021 STUDIOTROPE, LLC
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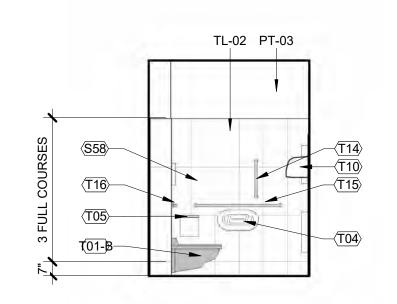
RESTROOM #148 - SOUTH ELEVATION



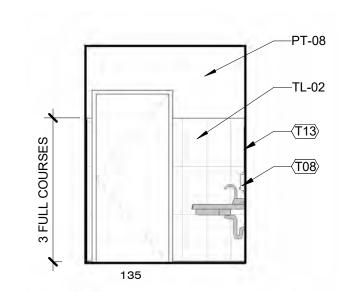
RESTROOM #148 - WEST ELEVATION



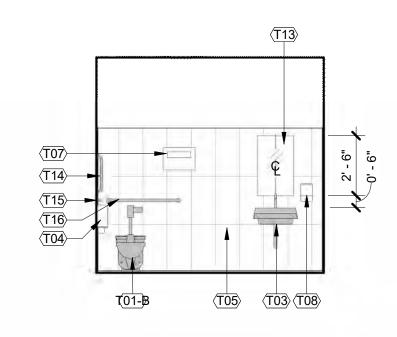
RESTROOM RM #109 - SOUTH ELEVATION



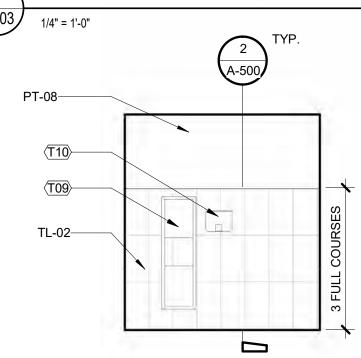
RESTROOM #135 - SOUTH ELEVATION 1/4" = 1'-0"



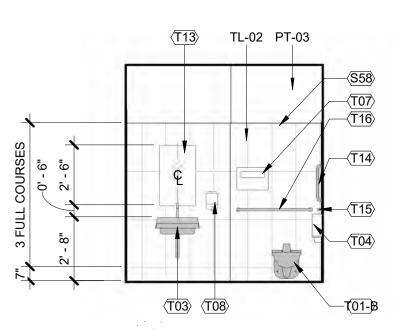
RESTROOM #135 - NORTH ELEVATION



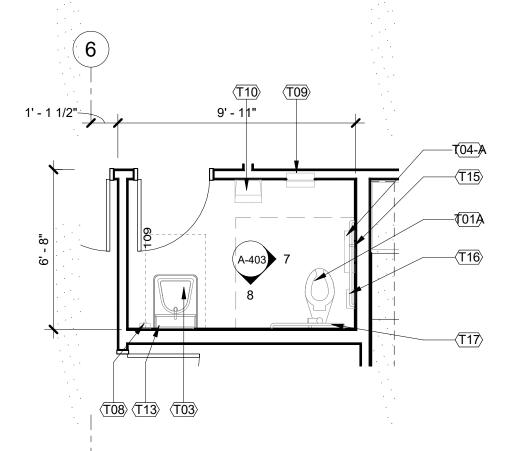
RESTROOM RM #109 - WEST ELEVATION 8 A-403



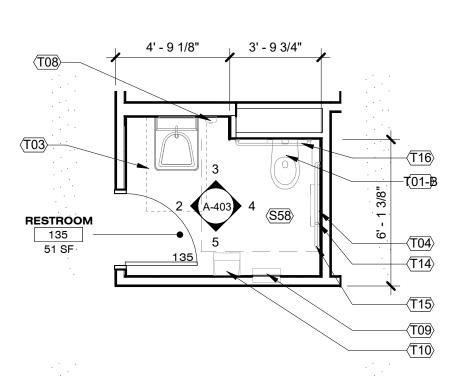
RESTROOM #135 - WEST ELEVATION A-403 1/4" = 1'-0"



RESTROOM #135 - EAST ELEVATION 3 A-403



ENLARGED FLOOR PLAN RESTROOM RM #109 6 ENLARU
A-403 1/4" = 1'-0"



ENLARGED FLOOR PLAN RESTROOM RM #135

GENERAL NOTES: ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS

- 1. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE. IF ADDITIONAL DIMENSIONS ARE
- REQUIRED, CONTACT ARCHITECT. 2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AND LAY OUT PROPOSED WORK PRIOR TO
- DISCREPANCIES TO ARCHITECT FOR RESOLUTION. 3. ALL DIMENSIONS ARE SHOWN TO FACE OF DRYWALL FOR NEW PARTITIONS. FINISH MATERIAL SUCH AS TILE OR FRP

CONSTRUCTION IN NEW WORK AREA. REPORT.

- IS NOT ACCOUNTED FOR IN GIVEN DIMENSIONS. 4. IN THE EVENT OF CONFLICTING OR UNCLEAR INFORMATION, CONTRACTOR SHALL CONTACT ARCHITECT
- FOR CLARIFICATION. 5. ALL WORK SHALL CONFORM TO APPLICABLE CODES. NOTIFY ARCHITECT OF ANY CONDITIONS OR DETAILS
- 6. COORDINATE WITH ALL OTHER DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL SCOPE. IDENTIFIED TO RECEIVE NEW PAINT: SCRAPE, SPACKLE, PATCH, CLEAN, OR OTHERWISE PREPARE SURFACE TO RECEIVE PAINT WITHOUT NOTICEABLE IMPERFECTION.

WHICH ARE DEEMED TO BE NONCONFORMING.

- 8. REFER TO ROOM FINISH LEGEND FOR FLOOR AND WALL **FINISHES** 9. REFER TO FINISH PLANS FOR EXTENT OF NEW FLOORING.
- 10. DIRECTIONS WHERE NOTED ARE ALWAYS IN REFERENCE TO PLAN NORTH. 11. SEE SHEET A-001 FOR WALL AND PARTITION TYPES.
- PARTITION ARE TYPE P1-4 UON 12. DOOR FRAMES ARE TO BE LOCATED 4" FROM ADJACENT
- WALL, UON. 13. SEE SHEET A-400 FOR STANDARD DIMENSIONS AND
- MOUNTING HEIGHTS.
- 14. SEE A-600 AND INTERIOR ELEVATIONS FOR CASEWORK

FLOOR PLAN LEGEND

	WALL ASSEMBLY
	EXISTING WALL ASSEMBLY
. ;	OVERHEAD LINE
. · ·	FLATSCREEN LOCATION, PROVIDE ELEC. AND DATA CONNECTIONS
	CARD READER LOCATION

	KEYNOTE LEGEND
KEYN	TE DESCRIPTION

	SHEET NOTES
NOTE	DESCRIPTION
S58	ACCESSIBLE TOILET ROOM; RE: A-400 FOR MOUNTING HEIGHTS AND CLEARANCES

TOILET ACCESSORY NOTES

TOILET, ADA; RE: PLUMB

TOILET, CHILDREN'S' RE: PLUMB

SINGLE LAVATORY, RE: PLUMB

TOILET SEAT COVER DISPENSER

TEMPERED SAFETY GLASS MIRROR

TOILET TISSUE DISPENSER TOILET TISSUE DISPENSER SANITARY NAPKIN DISPOSAL

LIQUID SOAP DISPENSER

18" VERTICAL GRAB BAR

HAND DRYER

42" GRAB BAR

36" GRAB BAR

PAPER TOWEL DISPENSER

NOTE

T01-C

T01A T03

T04

T10

T14

T16

T17

DESCRIPTION

1.10 2 7 7 7		100		
CTI	NI	Δt	-0	00
stu	UL	JLI	U	UC
TII desi	gn c	ollect	ive	

OWNER BOULDER COUNTY PUBLIC WORKS 2525 13TH STREET BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST

MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100

DENVER, CO 80205

S LONGMONT, CO 80501

STRUCTURAL ENGINEER ANTHEM STRUCTURAL 2213 CENTRAL AVE BOULDER, CO 80301

LIGHTING DESIGNER **ENLIGHTEN**

12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228

ACOUSTIC ENGINEER

K2 AUDIO 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

FURNITURE WORKPLACE RESOURCE

1899 WYNKOOP ST DENVER, CO 80202

CIVIL ENGINEER
JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302

SOUTHEAST (1755 S. PUBLIC RD LAFAYETTE, CO 8002

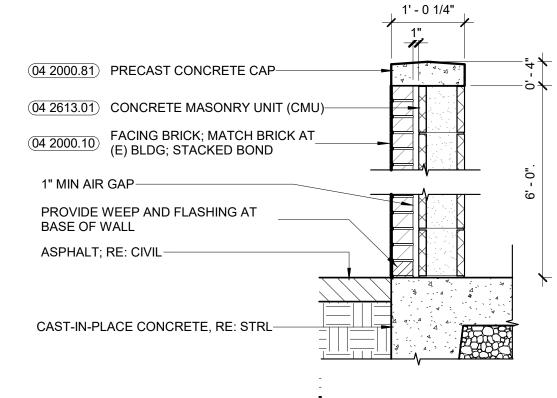
ISSUE DATE PHASE / REV NAME 11-19-2021 CONSTRUCTION DOCUMENTS

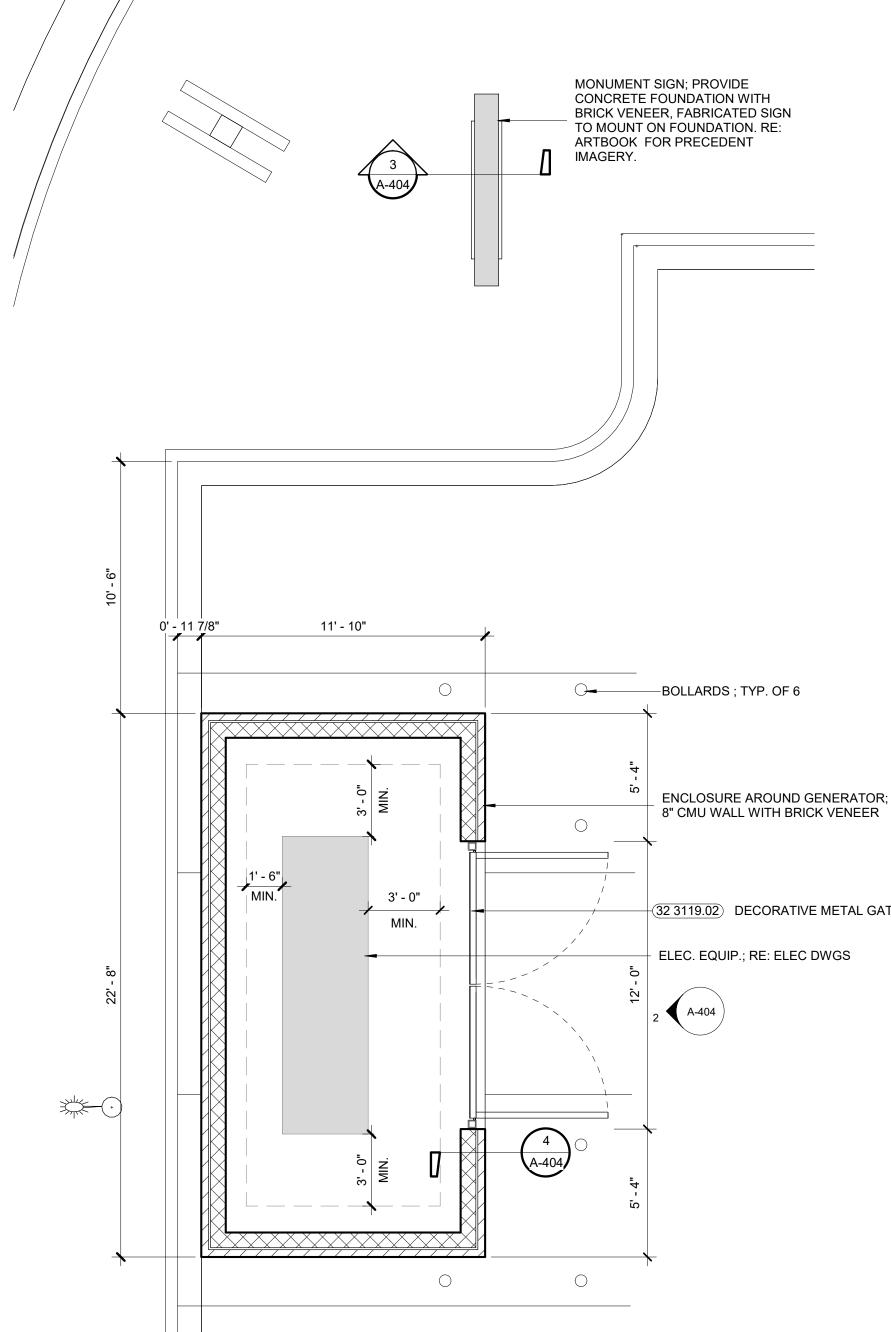
> **RESTROOMS - ENLARGED** PLANS AND ELEVATIONS

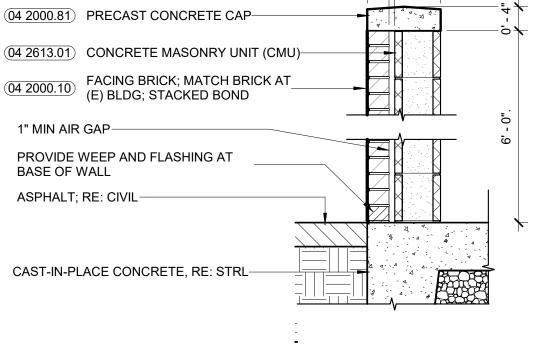
PROJECT NO: 2007

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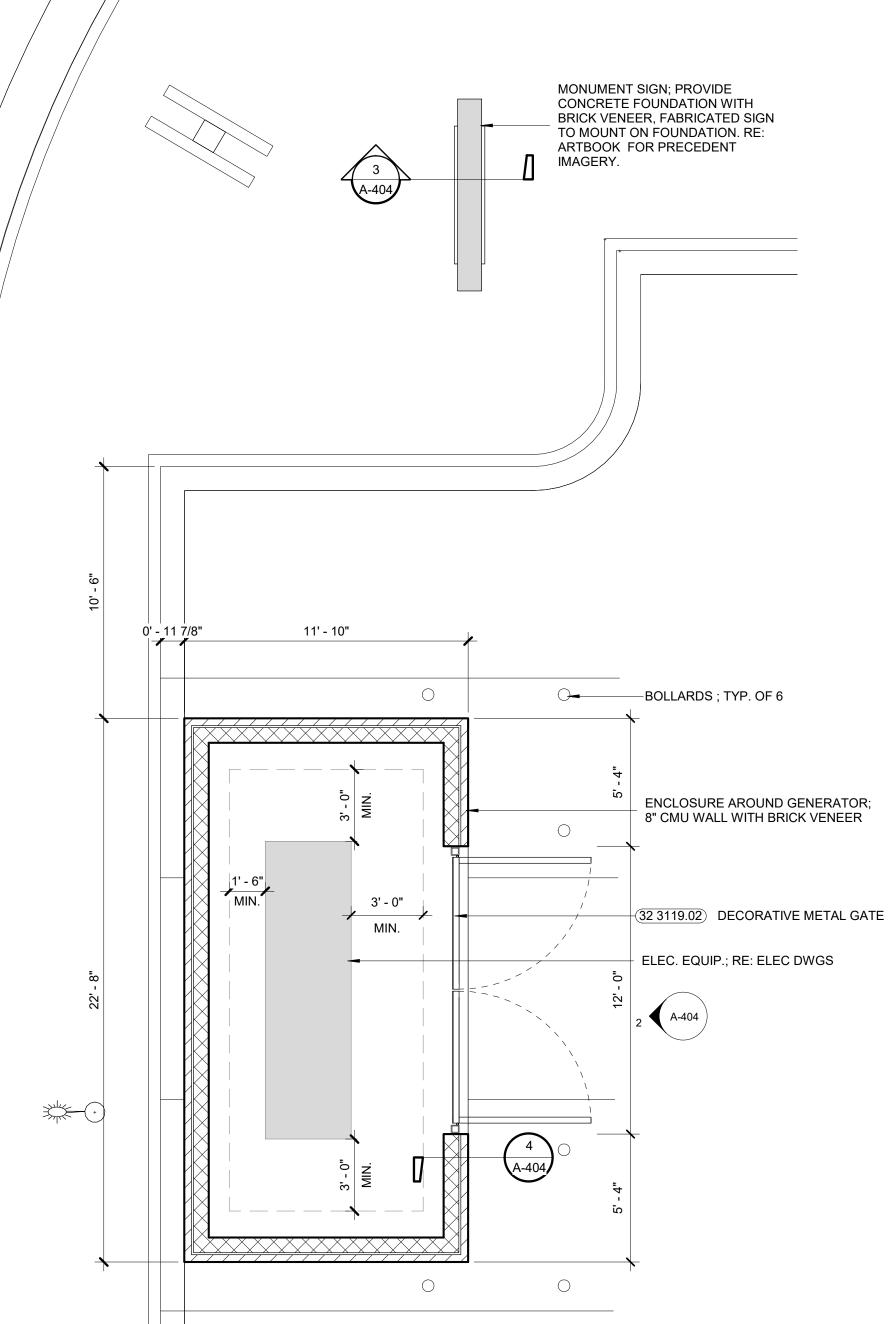








EMERGENCY GENERATOR ENCLOSURE WALL SECTION



EMERGENCY GENERATOR ENCLOSURE - SOUTH ELEVATION

NOTE: COORDINATE DESIGN OF FOUNDATION WITH SIGN VENDOR

PROVIDE WEEP AND FLASHING AT

MONUMENT SIGN SECTION DETAIL

CAST-IN-PLACE CONCRETE FOUNDATION; -RE: STRL

MONUMENT SIGN-

CAP FLASHING-

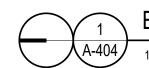
1" MIN AIR GAP-

BASE OF WALL GRADE; RE: CIVIL-

A-404

1/4" = 1'-0"

3/4" = 1'-0"



-32 3119.02 DECORATIVE METAL GATE -04 2000.81 PRECAST CONCRETE CAP

FACING BRICK; MATCH BRICK AT (E) BLDG; STACKED BOND

GENERAL NOTES: ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS

- 1. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE. IF ADDITIONAL DIMENSIONS ARE
- REQUIRED, CONTACT ARCHITECT. 2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AND LAY OUT PROPOSED WORK PRIOR TO CONSTRUCTION IN NEW WORK AREA. REPORT
- DISCREPANCIES TO ARCHITECT FOR RESOLUTION. 3. ALL DIMENSIONS ARE SHOWN TO FACE OF DRYWALL FOR NEW PARTITIONS. FINISH MATERIAL SUCH AS TILE OR FRP IS NOT ACCOUNTED FOR IN GIVEN DIMENSIONS. 4. IN THE EVENT OF CONFLICTING OR UNCLEAR
- INFORMATION, CONTRACTOR SHALL CONTACT ARCHITECT FOR CLARIFICATION.
- 5. ALL WORK SHALL CONFORM TO APPLICABLE CODES. NOTIFY ARCHITECT OF ANY CONDITIONS OR DETAILS WHICH ARE DEEMED TO BE NONCONFORMING.

6. COORDINATE WITH ALL OTHER DRAWINGS AND

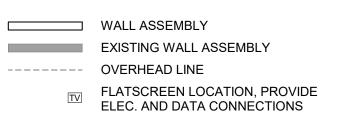
- SPECIFICATIONS FOR ADDITIONAL SCOPE. 7. FOR ALL EXISTING SURFACES TO REMAIN THAT HAVE BEEN IDENTIFIED TO RECEIVE NEW PAINT: SCRAPE, SPACKLE, PATCH, CLEAN, OR OTHERWISE PREPARE SURFACE TO RECEIVE PAINT WITHOUT NOTICEABLE IMPERFECTION.
- **FINISHES** 9. REFER TO FINISH PLANS FOR EXTENT OF NEW FLOORING. 10. DIRECTIONS WHERE NOTED ARE ALWAYS IN REFERENCE

8. REFER TO ROOM FINISH LEGEND FOR FLOOR AND WALL

- TO PLAN NORTH. 11. SEE SHEET A-001 FOR WALL AND PARTITION TYPES. PARTITION ARE TYPE P1-4 UON
- 12. DOOR FRAMES ARE TO BE LOCATED 4" FROM ADJACENT WALL, UON. 13. SEE SHEET A-400 FOR STANDARD DIMENSIONS AND
- MOUNTING HEIGHTS.
- 14. SEE A-600 AND INTERIOR ELEVATIONS FOR CASEWORK

© CARD READER LOCATION

FLOOR PLAN LEGEND





OWNER BOULDER COUNTY PUBLIC WORKS 2525 13TH STREET BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205

MEP ENGINEER PCD ENGINEERING 323 3RD AVE, #100 CONGMONT, CO 80501

2213 CENTRAL AVE

STRUCTURAL ENGINEER ANTHEM STRUCTURAL

BOULDER, CO 80301 LIGHTING DESIGNER

ENLIGHTEN 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228

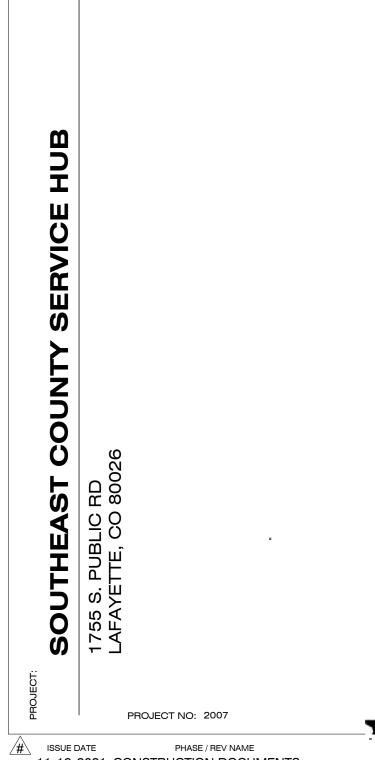
ACOUSTIC ENGINEER

K2 AUDIO 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

FURNITURE WORKPLACE RESOURCE

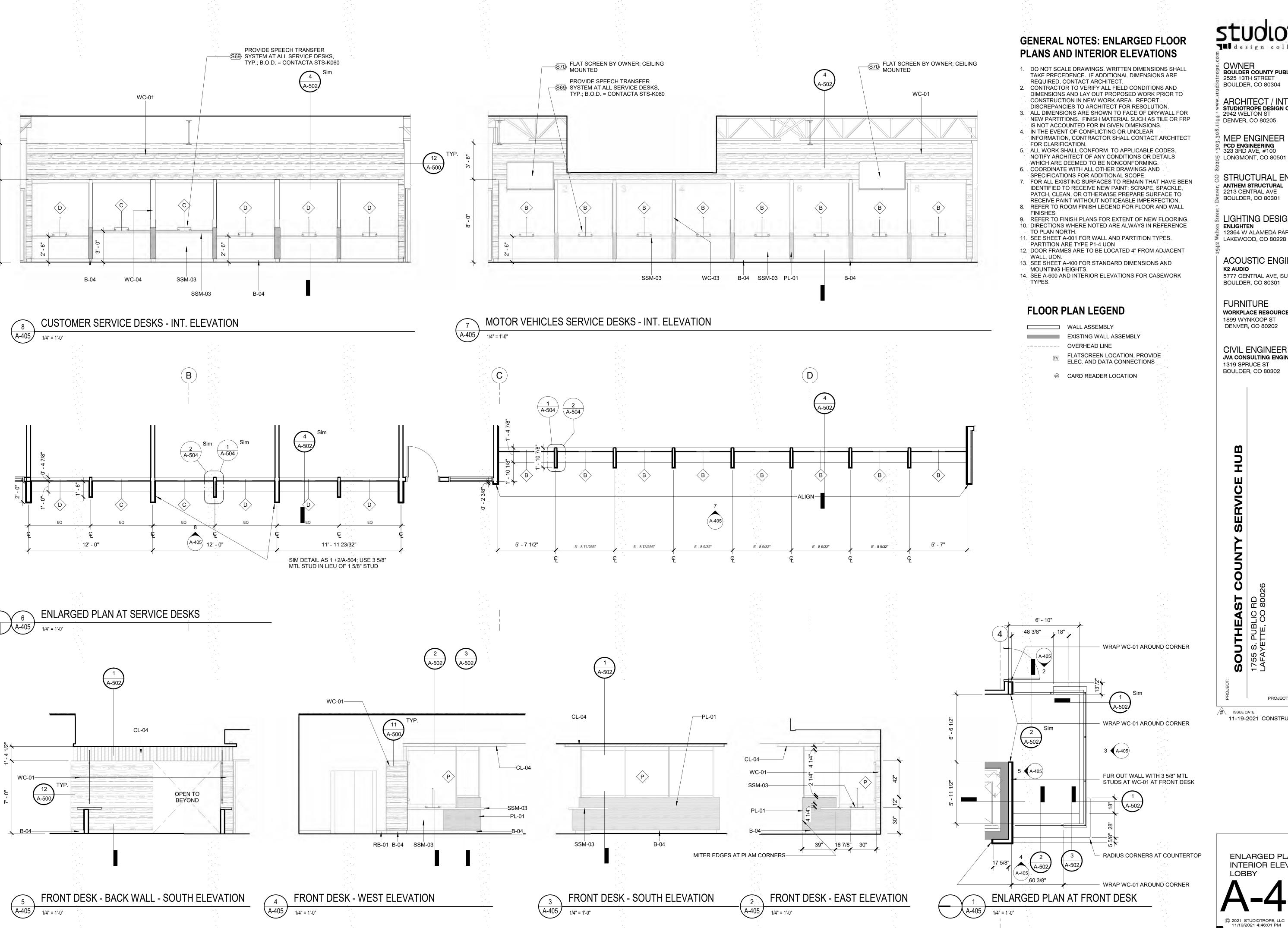
1899 WYNKOOP ST DENVER, CO 80202

CIVIL ENGINEER JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302

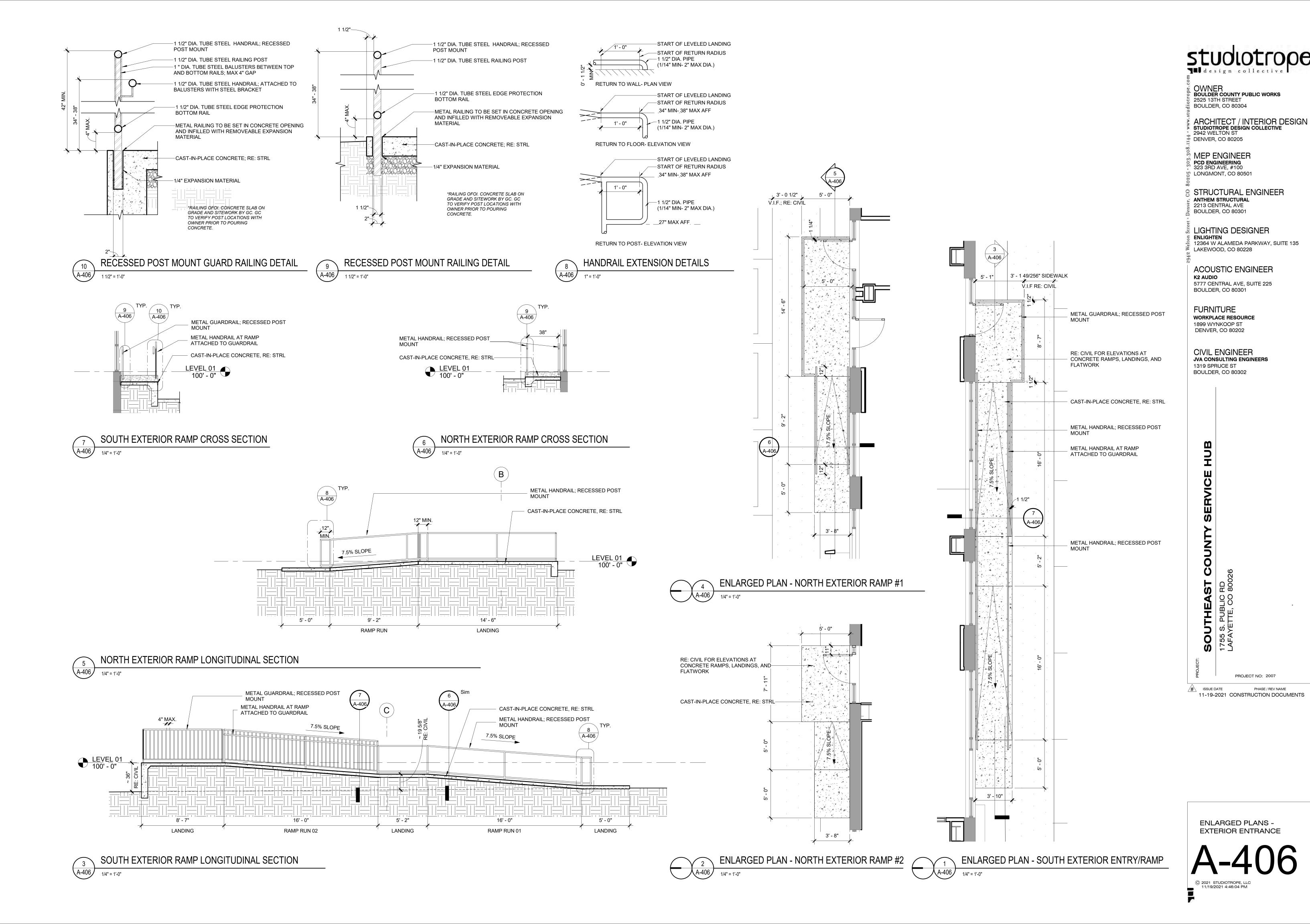


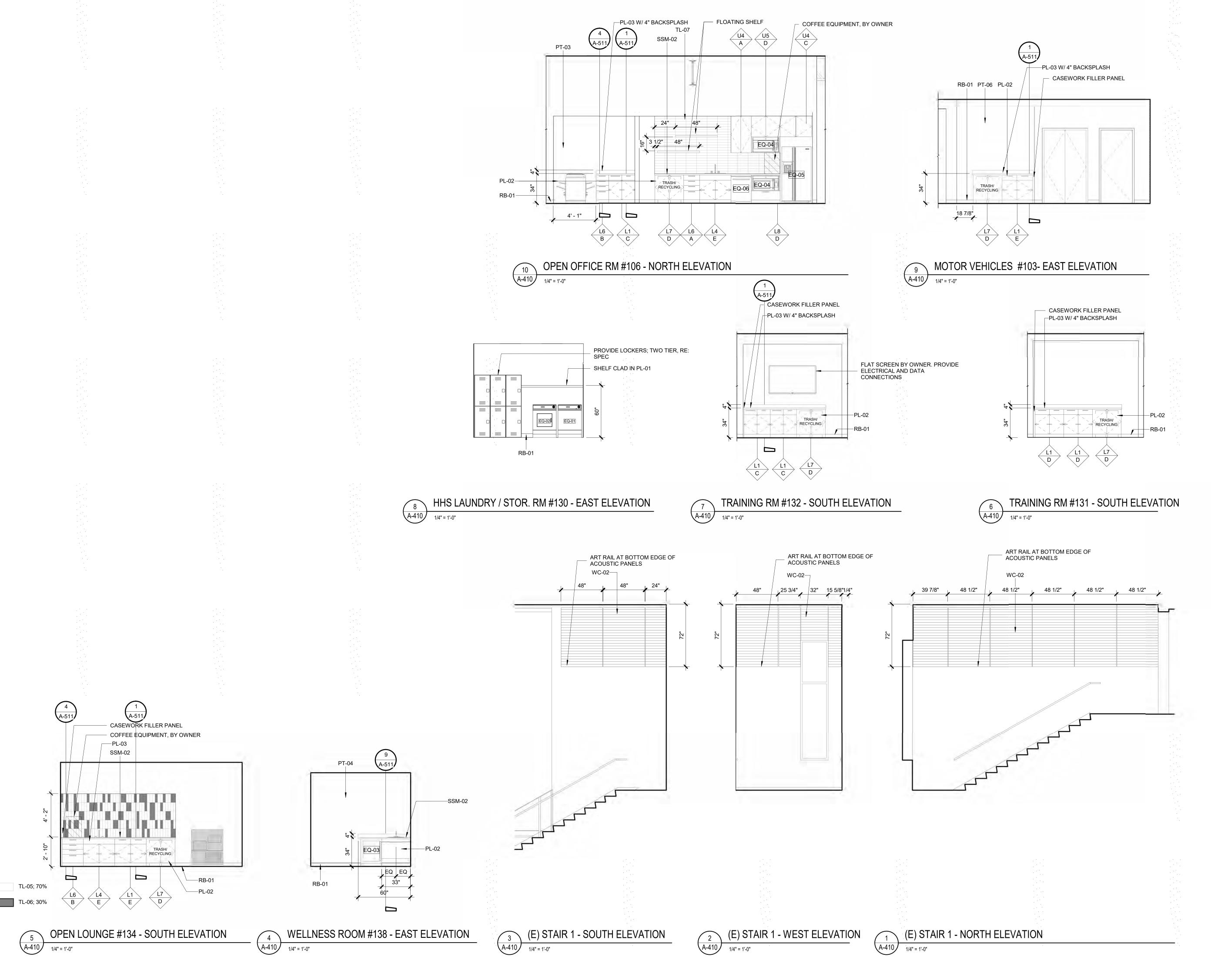
11-19-2021 CONSTRUCTION DOCUMENTS

ENLARGED PLANS -**EMERGENCY GENERATOR**



OWNER BOULDER COUNTY PUBLIC WORKS ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST **STRUCTURAL ENGINEER** LIGHTING DESIGNER 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228 ACOUSTIC ENGINEER 5777 CENTRAL AVE, SUITE 225 WORKPLACE RESOURCE CIVIL ENGINEER
JVA CONSULTING ENGINEERS PROJECT NO: 2007 PHASE / REV NAME 11-19-2021 CONSTRUCTION DOCUMENTS ENLARGED PLANS / INTERIOR ELEVATIONS -





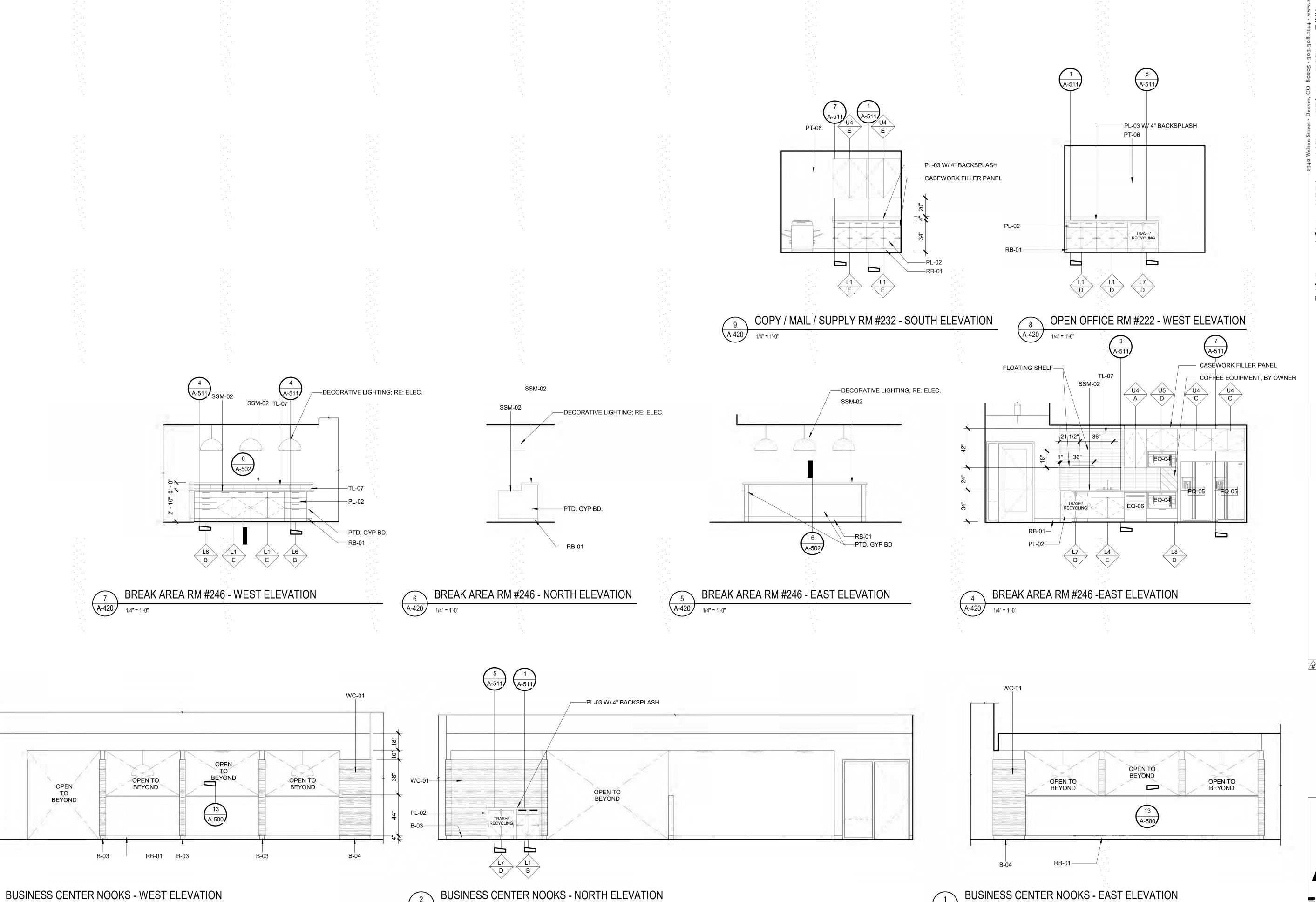
studiotrope OWNER
BOULDER COUNTY PUBLIC WORKS
2525 13TH STREET
BOULDER, CO 80304 ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205 MEP ENGINEER PCD ENGINEERING 323 3RD AVE, #100 S LONGMONT, CO 80501 § STRUCTURAL ENGINEER ANTHEM STRUCTURAL 2213 CENTRAL AVE BOULDER, CO 80301 LIGHTING DESIGNER ENLIGHTEN 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228 ACOUSTIC ENGINEER **K2 AUDIO** 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301 **FURNITURE** WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202 CIVIL ENGINEER
JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302

INTERIOR ELEVATIONS

PROJECT NO: 2007

issue date Phase / REV NAME
11-19-2021 CONSTRUCTION DOCUMENTS

A-4 10
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2 BUSIN A-420 1/4" = 1'-0"

A-420 1/4" = 1'-0"

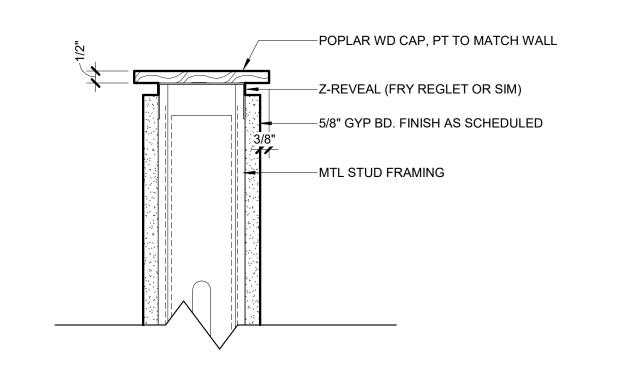
studiotrope OWNER BOULDER COUNTY PUBLIC WORKS 2525 13TH STREET BOULDER, CO 80304 ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205 MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100 LONGMONT, CO 80501 § STRUCTURAL ENGINEER ANTHEM STRUCTURAL 2213 CENTRAL AVE BOULDER, CO 80301 LIGHTING DESIGNER ENLIGHTEN 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228 ACOUSTIC ENGINEER **K2 AUDIO** 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301 **FURNITURE** WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202 CIVIL ENGINEER
JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302 SOUTHEAST COUNTY
1755 S. PUBLIC RD
LAFAYETTE, CO 80026

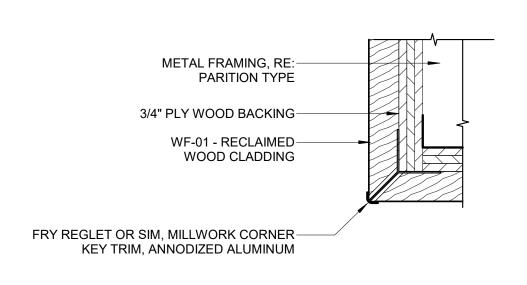
ISSUE DATE PHASE / REV NAME
11-19-2021 CONSTRUCTION DOCUMENTS

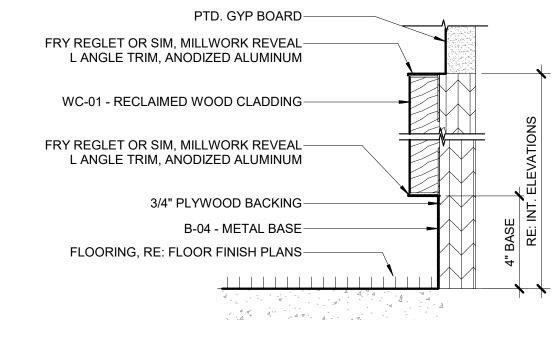
PROJECT NO: 2007

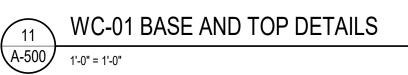
INTERIOR ELEVATIONS

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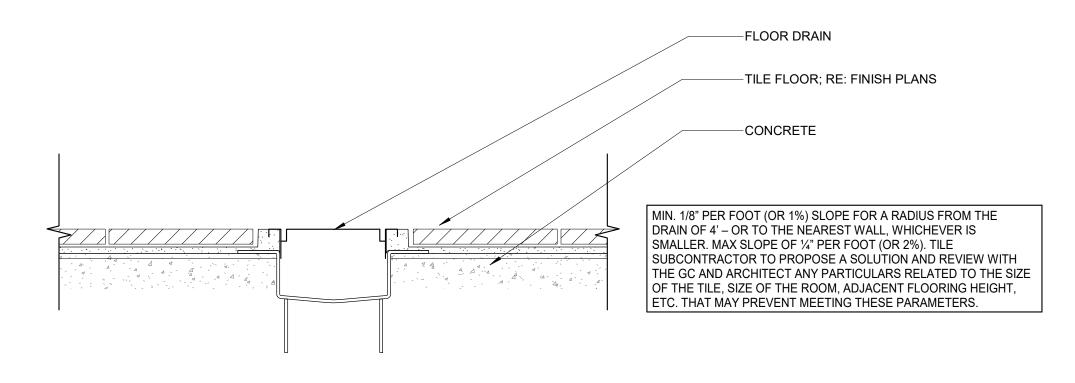


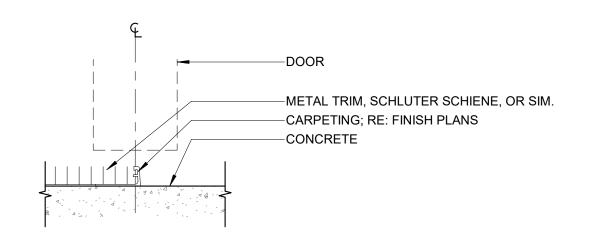




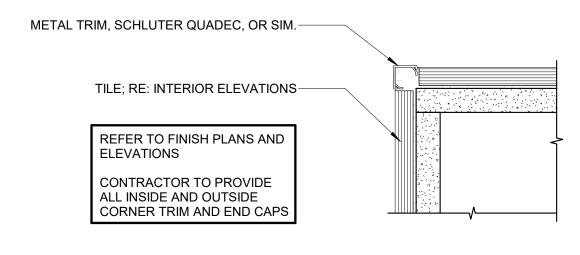






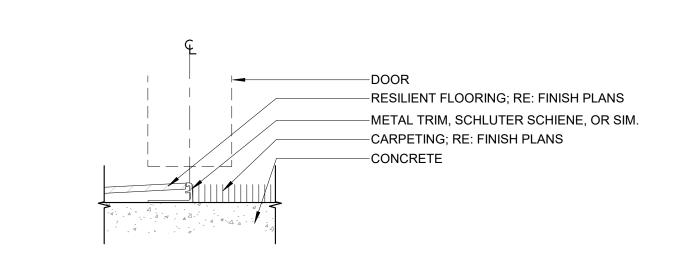


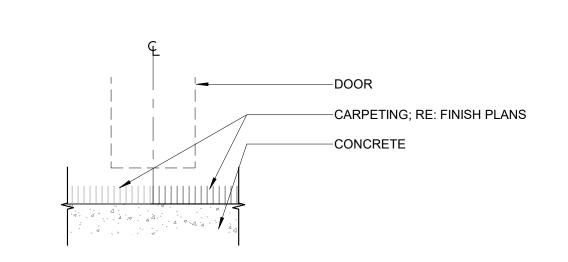
FLOORING TRANSITION - CARPET TO CONCRETE

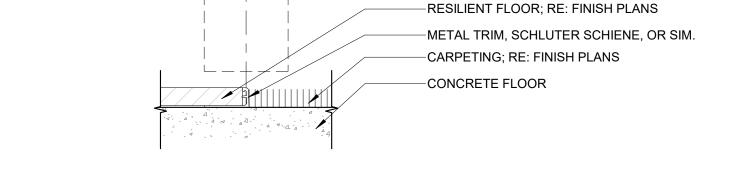






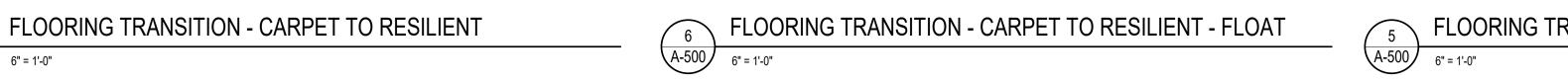




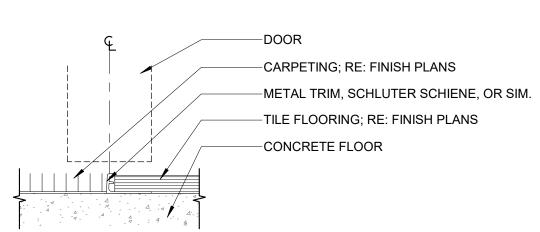


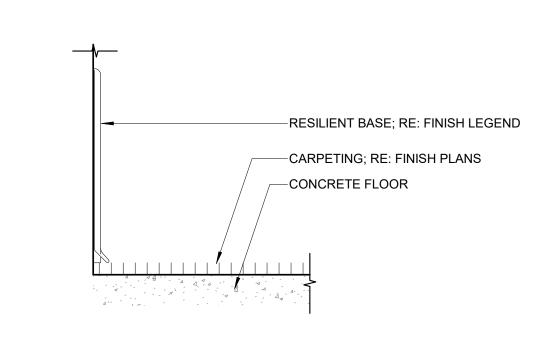
-DOOR

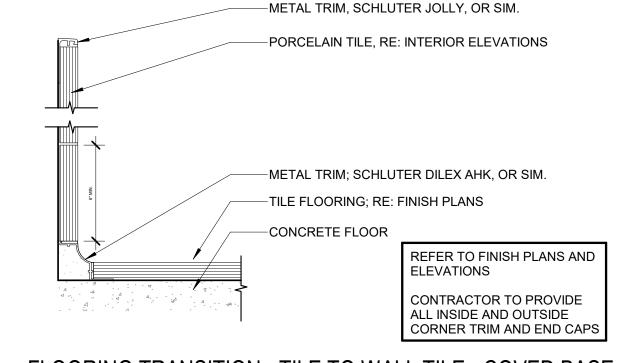
FLOORING TRANSITION - CARPET TO CARPET

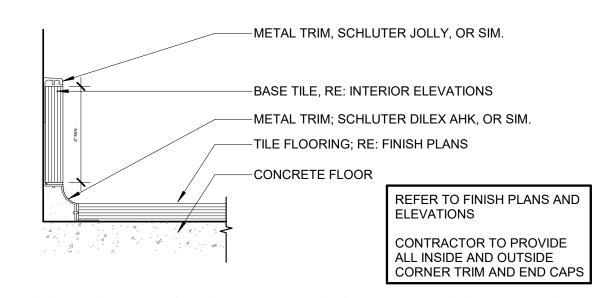




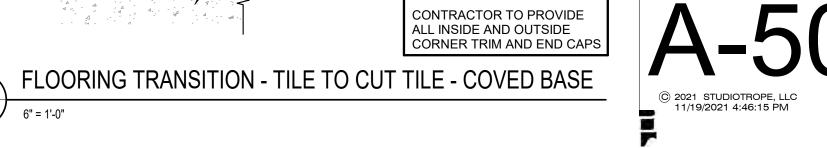


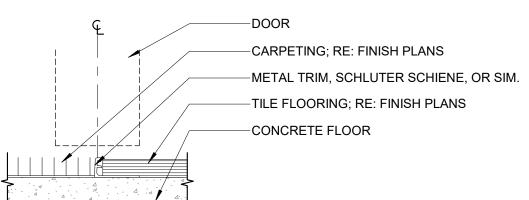






FLOORING TRANSITION - TILE TO WALL TILE - COVED BASE









1 FLOC A-500 6" = 1'-0"

DETAILS - FINISH DETAILS

OWNER BOULDER COUNTY PUBLIC WORKS

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST

2525 13TH STREET BOULDER, CO 80304

DENVER, CO 80205

MEP ENGINEER

S LONGMONT, CO 80501

ANTHEM STRUCTURAL 2213 CENTRAL AVE

LAKEWOOD, CO 80228

1899 WYNKOOP ST DENVER, CO 80202

1319 SPRUCE ST

HUB

SOUTHEAST (1755 S. PUBLIC RD LAFAYETTE, CO 8002

ISSUE DATE

PROJECT NO: 2007

11-19-2021 CONSTRUCTION DOCUMENTS

PHASE / REV NAME

BOULDER, CO 80302

CIVIL ENGINEER JVA CONSULTING ENGINEERS

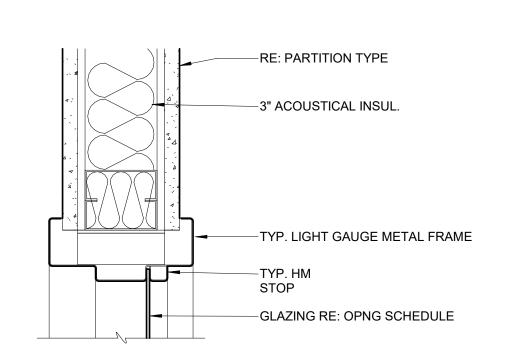
BOULDER, CO 80301

STRUCTURAL ENGINEER

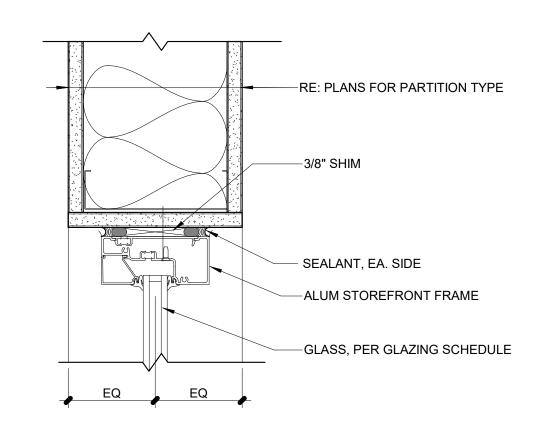
LIGHTING DESIGNER

12364 W ALAMEDA PARKWAY, SUITE 135

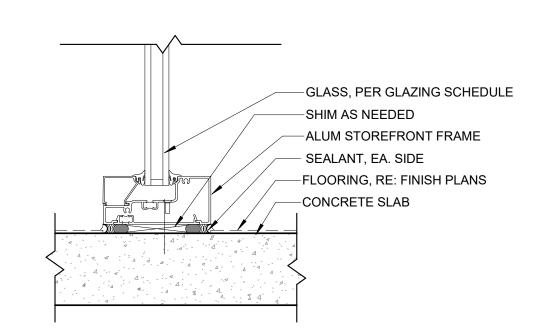
PCD ENGINEERING 323 3RD AVE, #100



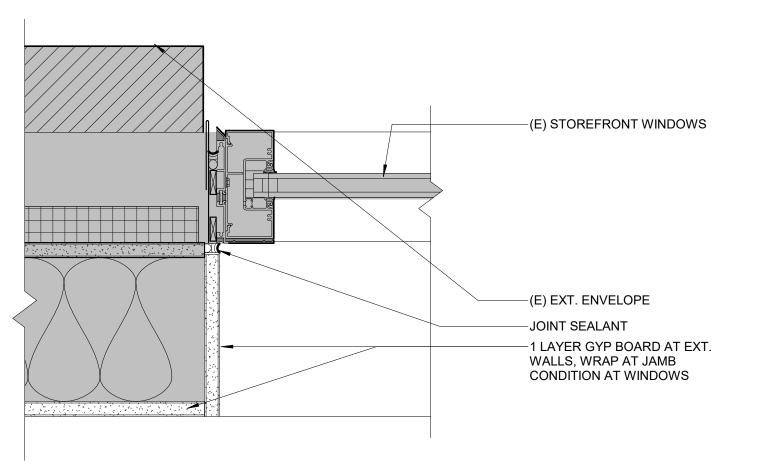
HEAD/JAMB DETAIL FOR HM WINDOW



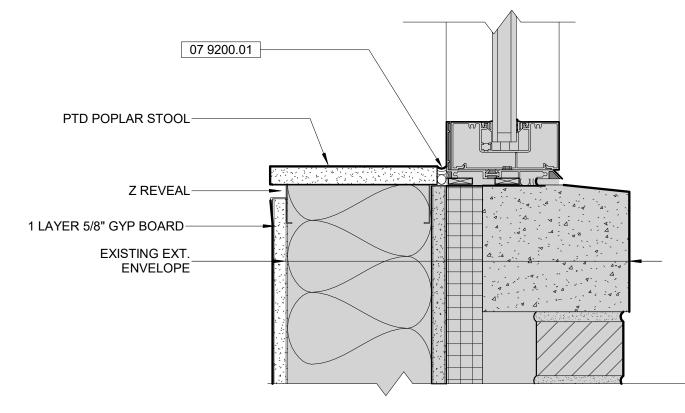
HEAD/JAMB DETAIL FOR TYP. INT STOREFRONT



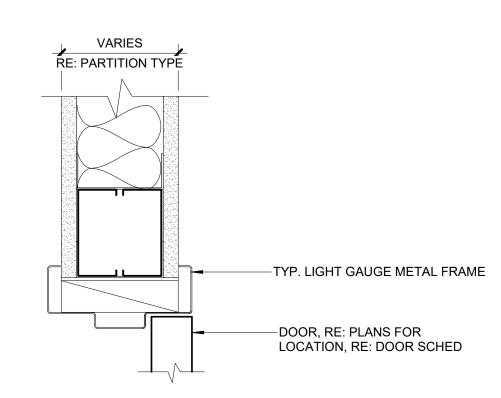
SILL DETAIL FOR TYP. INT STOREFRONT



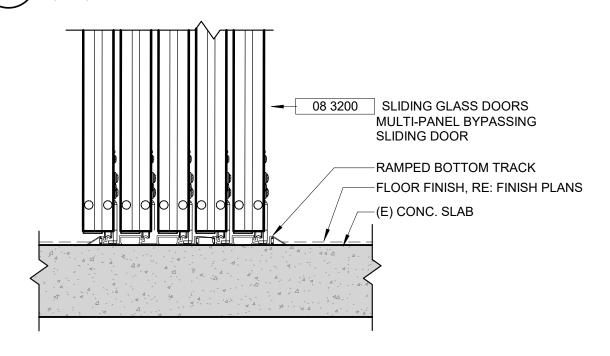
JAMB DETAIL @ (E) EXT. STOREFRONT



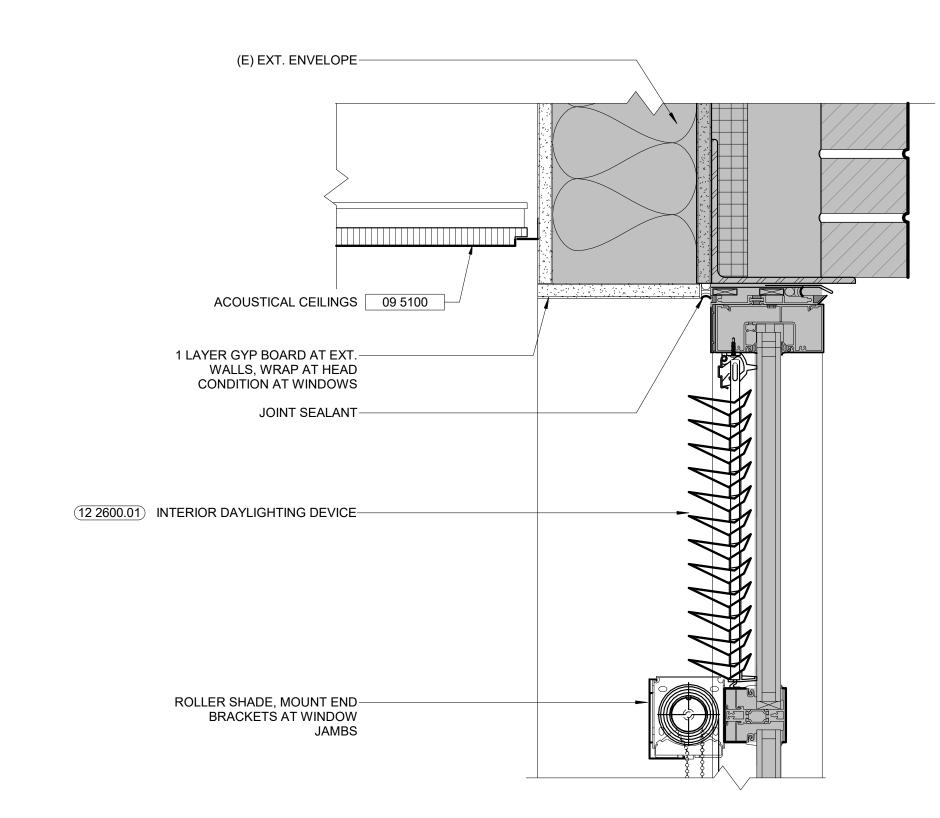
SILL DETAIL@ (E) EXT. STOREFRONT



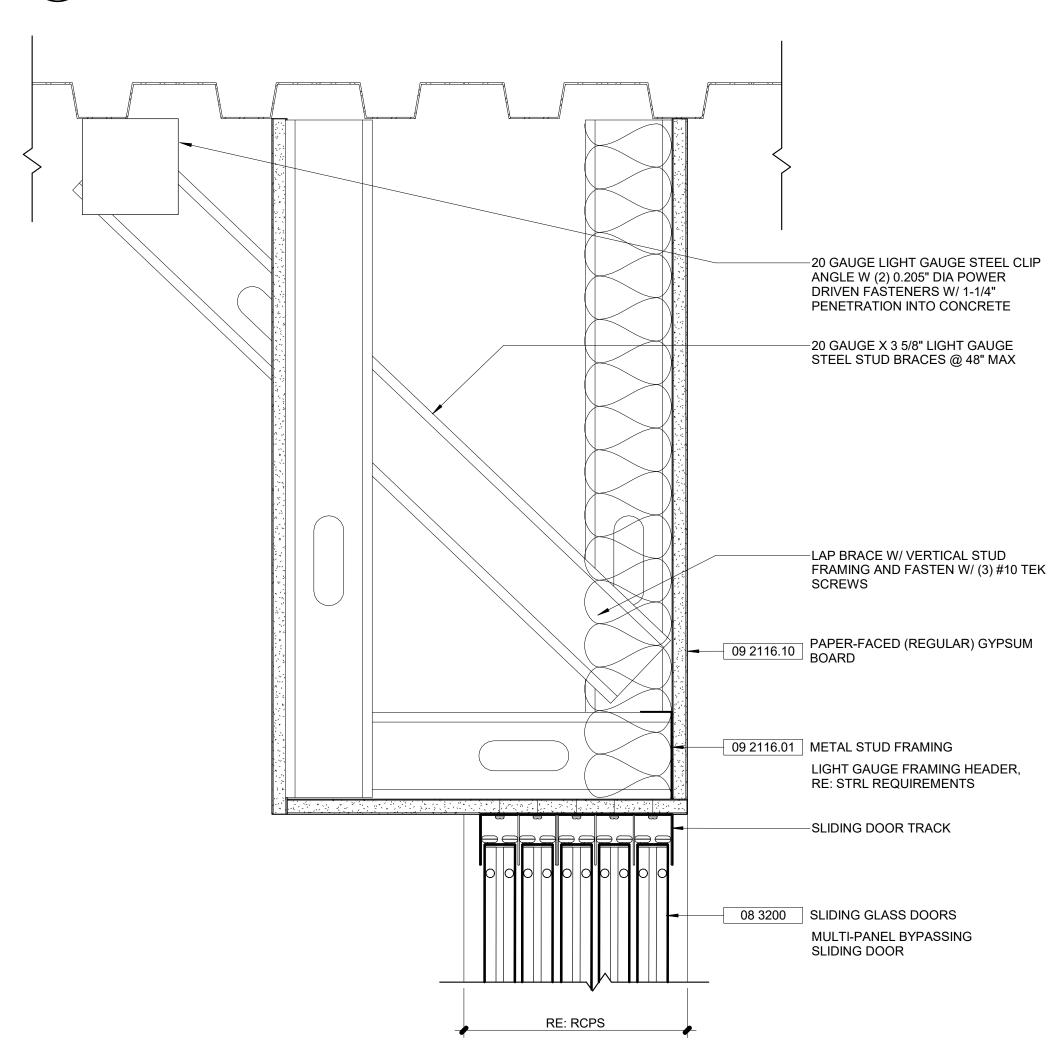
HM DOUBLE RABBET HEAD/JAMB @ GYP PARTITION



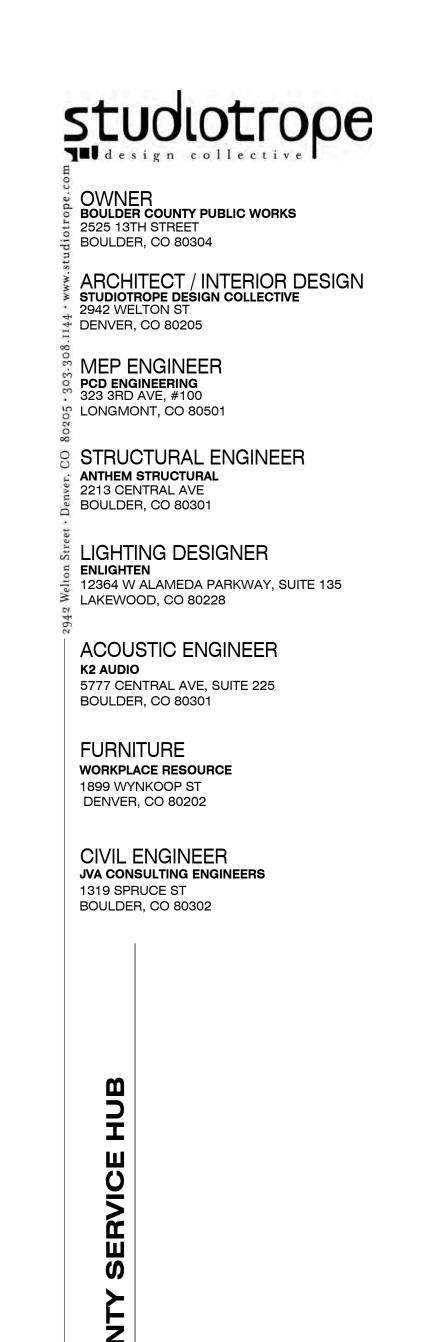
SILL DETAIL FOR MULTI-PANEL SLIDING DOOR

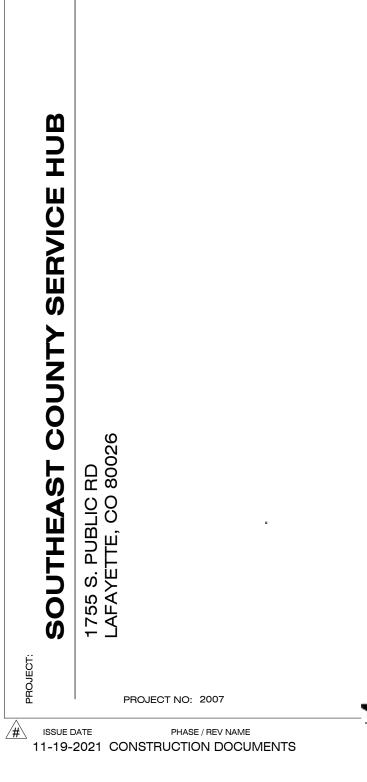


HEAD DETAIL@ LIGHT LOUVERS



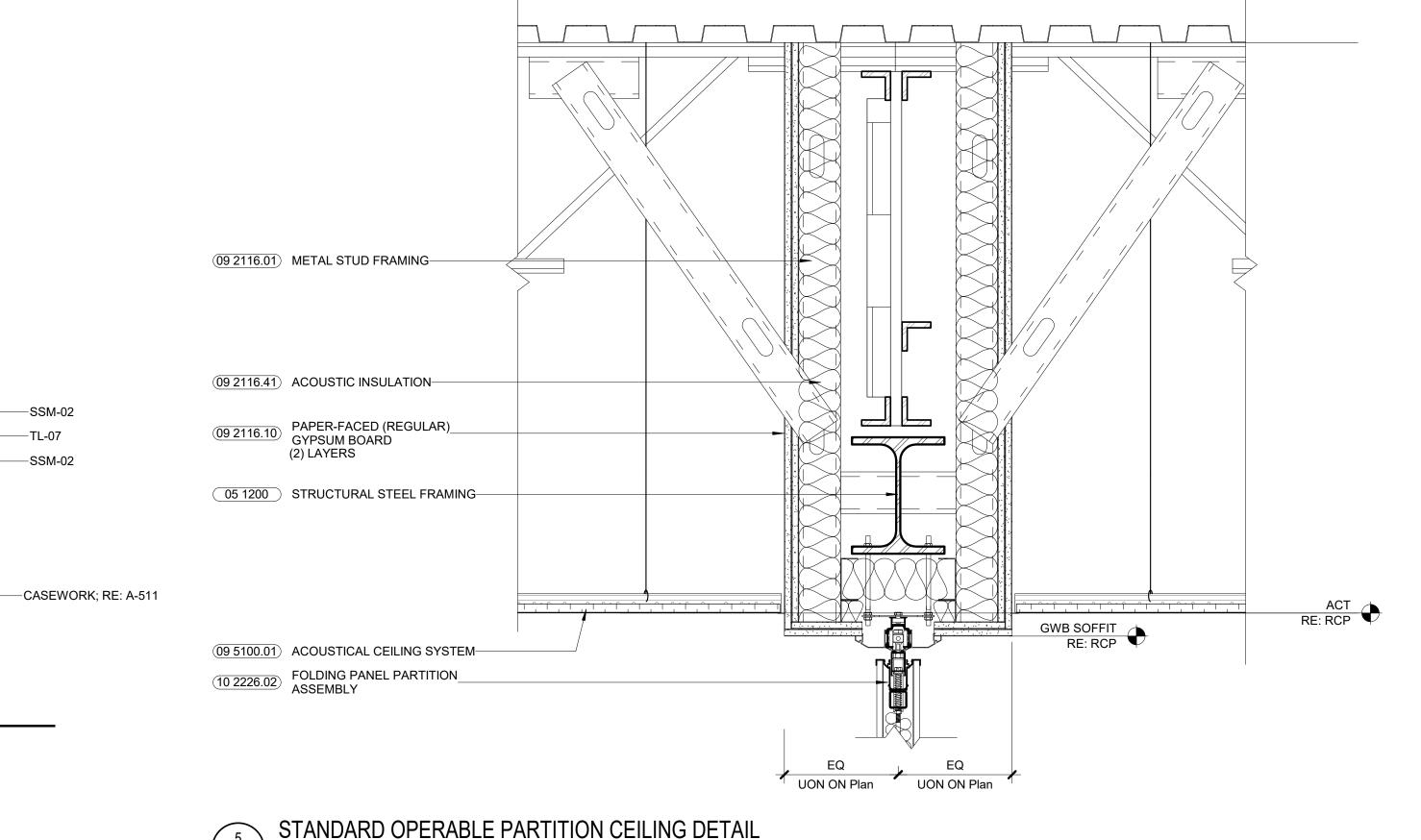
HEAD DETAIL FOR MULTI-PANEL SLIDING DOOR





WINDOW & DOOR DETAILS





ALUMINUM COUNTER SUPPORT BRACKET - INSIDE WALL MOUNT (09 2116.01) METAL STUD FRAMING-PAPER-FACED (REGULAR)_ GYPSUM BOARD PTD. GYP BEYOND-

BREAK AREA ISLAND SECTION DETAIL

PAPER-FACED (REGULAR)
GYPSUM BOARD -09 2116.01 METAL STUD FRAMING BRACE POST AS NEEDED -CLG-04; EDGE TRIM RE: A-503 -ATTACH POST TO BLOCKING ABOVE WOOD SLAT CEILING WITH CONCEALED MOUNTING BASE -GLAZING; RE: WINDOW SCHEDULE -ALUMINUM POST BEYOND -ATTACH POST TO FRAMING WITH CONCEALED MOUNTING BASE -WRAP EDGE OF WALL BEYOND WITH PL-01; MITER EDGES ALUMINUM COUNTER SUPPORT BRACKET - INSIDE WALL MOUNT 1/2"______PAPER-FACED (REGULAR)
GYPSUM BOARD 09 2116.01) METAL STUD FRAMING EB-04 LEVEL 01 100' - 0" 3 5/8" STUD

1 1/2" = 1'-0"

111 **NOTE:** AT PARTIAL HEIGHT PARTITIONS PROVIDE STEEL SUPPORTS PER DETAIL ON A-001

-CLG-04; EDGE TRIM RE: A-503 -ATTACH POST TO BLOCKING ABOVE WOOD SLAT CEILING WITH CONCEALED MOUNTING BASE -CLG-04 PANELS ATTACHED TO 2 1 /2" METAL STUD FRAMING ON FACE OF EXISTING WALL FACE OF EXISTING WALL -WC-01 ON PLYWOOD SUBSTRATE -GLAZING; RE: WINDOW SCHEDULE -ALUMINUM POST BEYOND -ATTACH POST TO FRAMING WITH CONCEALED MOUNTING BASE -PL-01; MITER EDGES -UNDERCABINET LED LIGHT; RE: ELEC. EXTEND PL-01 CAP OVER TOP OF LIGHT -SSM-03 PAPER-FACED (REGULAR)
GYPSUM BOARD -09 2116.01 METAL STUD FRAMING LEVEL 01 100' - 0" 3 5/8" STUD 3 5/8" STUD 3 5/8" STUD

NOTE: AT PARTIAL HEIGHT

SOUTHEAST (1755 S. PUBLIC RD LAFAYETTE, CO 8002 PROJECT NO: 2007 PHASE / REV NAME ISSUE DATE 11-19-2021 CONSTRUCTION DOCUMENTS

OWNER BOULDER COUNTY PUBLIC WORKS

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST

2525 13TH STREET BOULDER, CO 80304

DENVER, CO 80205

MEP ENGINEER PCD ENGINEERING 323 3RD AVE, #100

S LONGMONT, CO 80501

ANTHEM STRUCTURAL 2213 CENTRAL AVE BOULDER, CO 80301

LAKEWOOD, CO 80228

BOULDER, CO 80301

WORKPLACE RESOURCE 1899 WYNKOOP ST

DENVER, CO 80202

CIVIL ENGINEER JVA CONSULTING ENGINEERS

1319 SPRUCE ST BOULDER, CO 80302

COUNTY

FURNITURE

ENLIGHTEN

K2 AUDIO

STRUCTURAL ENGINEER

LIGHTING DESIGNER

ACOUSTIC ENGINEER

5777 CENTRAL AVE, SUITE 225

12364 W ALAMEDA PARKWAY, SUITE 135

WC-01-09 2116.01) METAL STUD FRAMING— 09 2116.06 GYPSUM BOARD CEILING_ SUSPENSION SYSTEM U-CHANNEL GLAZING; RE: WINDOW SCHEDULE -WC-03-12 5/8" PL-01-ALUMINUM COUNTER SUPPORT BRACKET - INSIDE WALL MOUNT 1 3/4" 09 2116.10 PAPER-FACED (REGULAR)_ GYPSUM BOARD 09 2116.01) METAL STUD FRAMING-

PAPER-FACED (REGULAR)
GYPSUM BOARD -09 2116.01 METAL STUD FRAMING -BRACE POST AS NEEDED -CLG-04; EDGE TRIM RE: A-503 -ATTACH POST TO BLOCKING ABOVE WOOD SLAT CEILING WITH CONCEALED MOUNTING BASE -GLAZING; RE: WINDOW SCHEDULE -ALUMINUM POST BEYOND -ATTACH POST TO FRAMING WITH CONCEALED MOUNTING BASE -PL-01; MITER EDGES -UNDERCABINET LED LIGHT; RE: ELEC. EXTEND PL-01 CAP OVER TOP OF -SSM-03 ALUMINUM COUNTER SUPPORT BRACKET - INSIDE WALL MOUNT PAPER-FACED (REGULAR)
GYPSUM BOARD -09 2116.01 METAL STUD FRAMING LEVEL 01 100' - 0" 2 1/2" STUD | | 3 5/8" STUD 1 1/8" GAP 3 5/8" STUD

NOTE: AT PARTIAL HEIGHT PARTITIONS PROVIDE STEEL SUPPORTS PER DETAIL ON A-001

SECTION DETAIL 3 - FRONT DESK

SECTION DETAIL 1 - FRONT DESK

SECTION DETAIL - MV SERVICE DESK

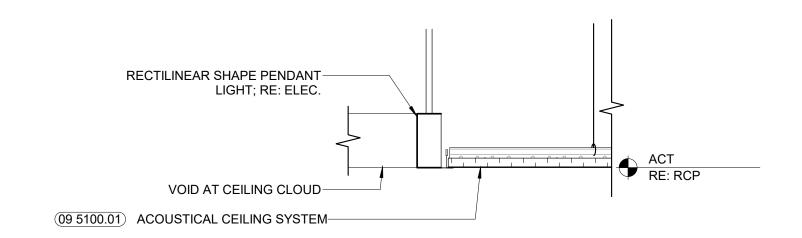
LEVEL 01 100' - 0"

SECTION DETAIL 2 - FRONT DESK

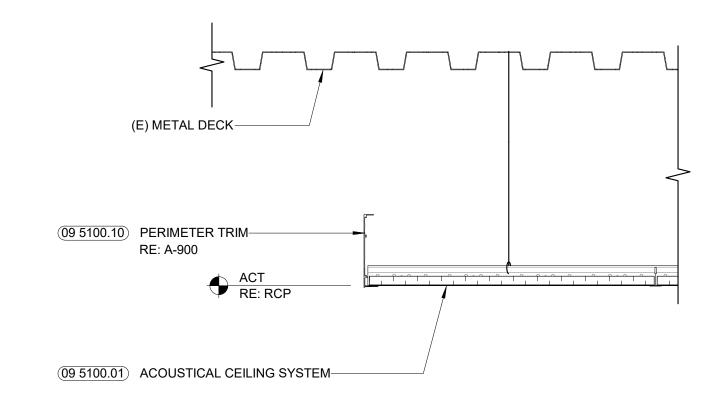
PARTITIONS PROVIDE STEEL SECTION DETAILS SUPPORTS PER DETAIL ON A-001 11/19/2021 4:46:21 PM

BRACE POST AS NEEDED

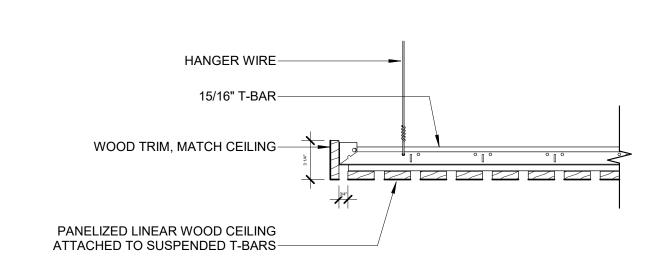
(09 5100.01) ACOUSTICAL CEILING SYSTEM



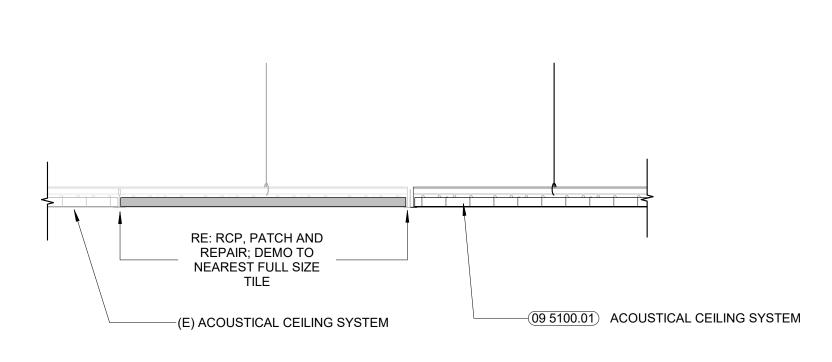
ACT CLOUD OPENING DETAIL



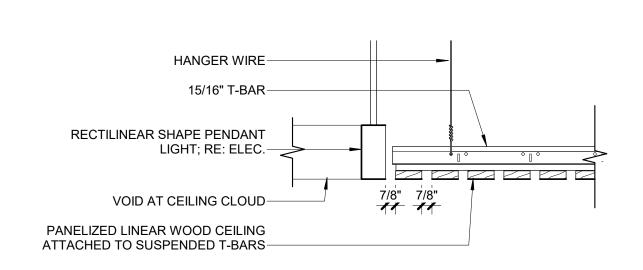
ACT EXPOSED EDGE DETAIL



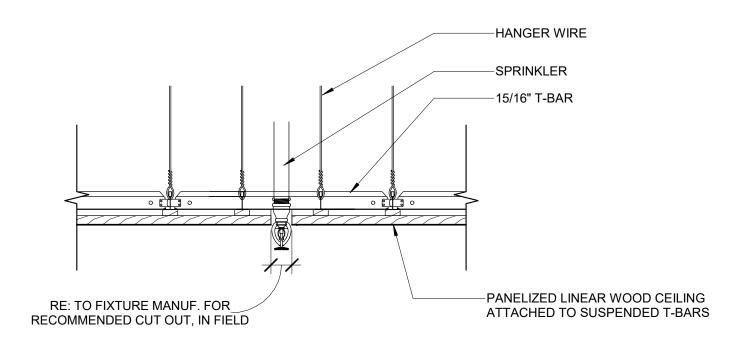
WOOD SLAT CEILING AT PERIMETER



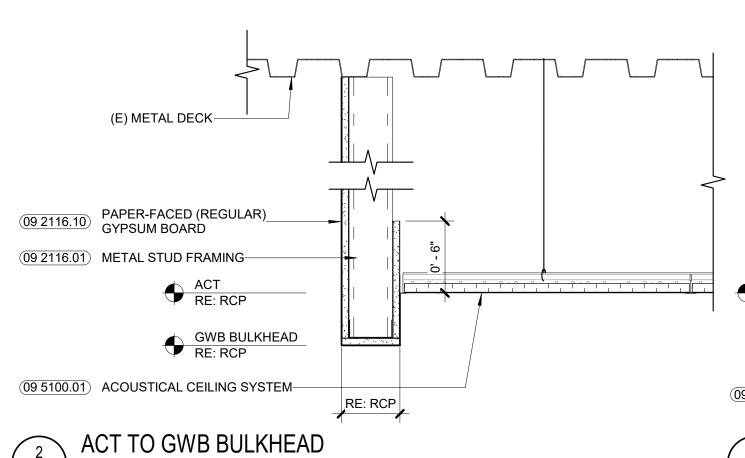
(N) ACT TO (E) ACT



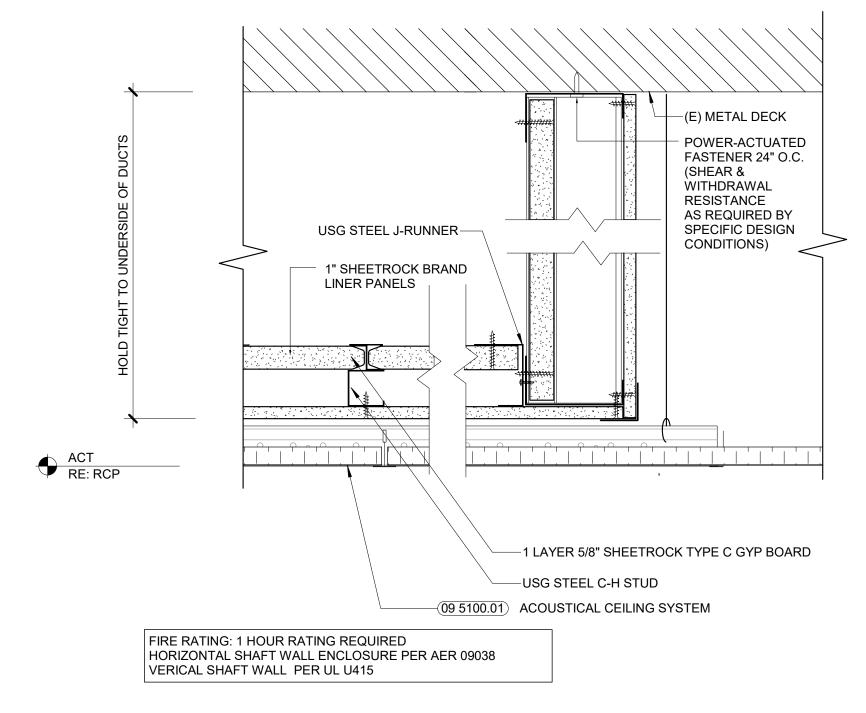
WOOD SLAT CLOUD CEILING OPENING DETAIL



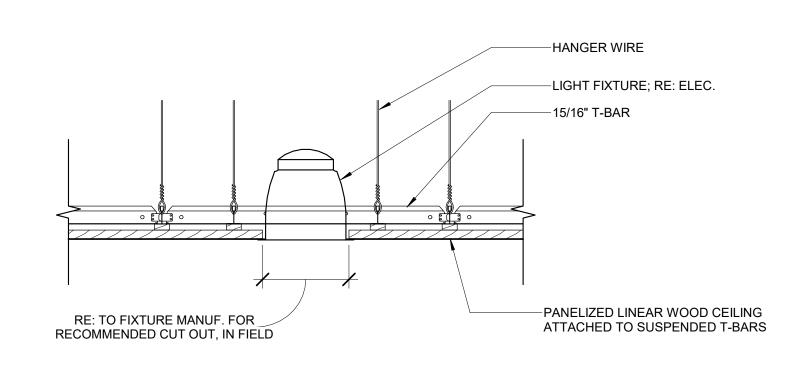
WOOD SLAT CEILING AT SPRINKER



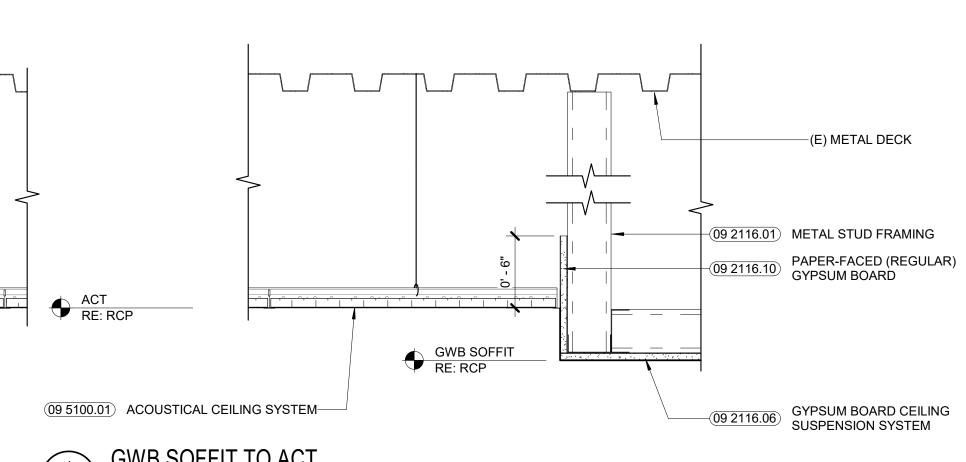
-(E) METAL DECK -09 2116.01 METAL STUD FRAMING GWB SOFFIT RE: RCP (09 5100.01) ACOUSTICAL CEILING SYSTEM— **GWB SOFFIT TO ACT**



SHAFT WALL CEILING MEMBRANE DETAIL



WOOD SLAT CEILING AT LIGHT FIXTURE



CEILING DETAILS © 2021 STUDIOTROPE, LLC 11/19/2021 4:46:23 PM

PROJECT NO: 2007

PHASE / REV NAME

70

OWNER
BOULDER COUNTY PUBLIC WORKS
2525 13TH STREET
BOULDER, CO 80304

DENVER, CO 80205

MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100

LONGMONT, CO 80501

ANTHEM STRUCTURAL 2213 CENTRAL AVE BOULDER, CO 80301

LAKEWOOD, CO 80228

BOULDER, CO 80301

WORKPLACE RESOURCE

CIVIL ENGINEER JVA CONSULTING ENGINEERS

1899 WYNKOOP ST DENVER, CO 80202

FURNITURE

1319 SPRUCE ST BOULDER, CO 80302

COUNTY

SOUTHEAST (1755 S. PUBLIC RD LAFAYETTE, CO 8002

ISSUE DATE

K2 AUDIO

STRUCTURAL ENGINEER

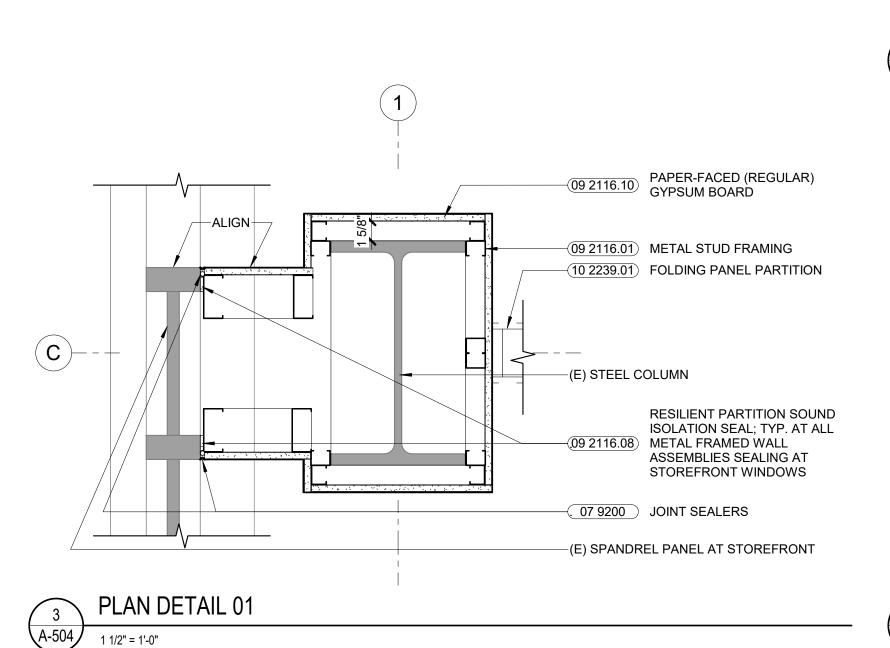
LIGHTING DESIGNER

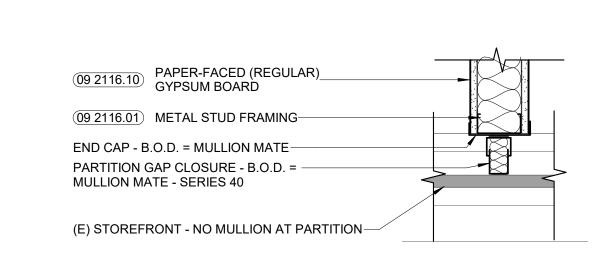
ACOUSTIC ENGINEER

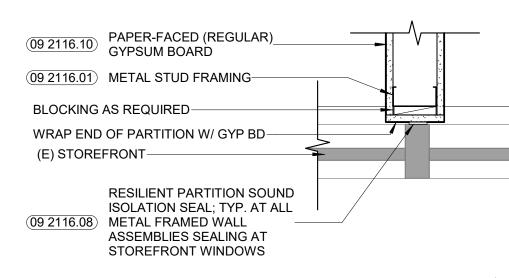
5777 CENTRAL AVE, SUITE 225

12364 W ALAMEDA PARKWAY, SUITE 135

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST



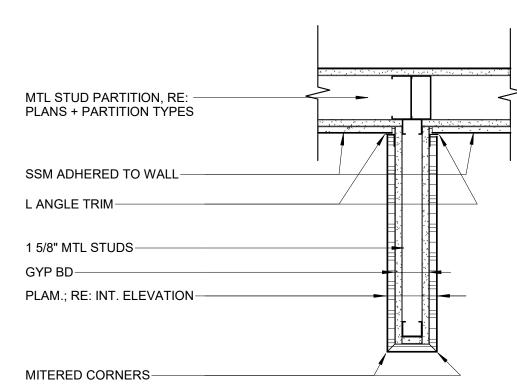




√ PLAN DETAIL 04



EDGE OF COUNTERTOP-PT. GYP BD— ALUMINUM U-CHANNEL-GLASS; RE: WINDOW SCHEDULE-OUTLINE OF STUD WALL BELOW-1 5/8" MTL STUDS-EDGE OF COUNTERTOP-1/2" PLYWOOD STRIPES; 12" SPACING-WC-03 ACOUSTIC PANELS; —— ADHERE TO PLYWOOD STRIPS MITERED CORNERS-



PLAN DTL - SERVICE DESK FIN - ABOVE COUNTER

1 1/2" = 1'-0"

PLAN DTL - SERVICE DESK FIN - BELOW COUNTER

1 1/2" = 1'-0"

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205 MEP ENGINEER PCD ENGINEERING 323 3RD AVE, #100 LONGMONT, CO 80501 § STRUCTURAL ENGINEER ANTHEM STRUCTURAL 2213 CENTRAL AVE BOULDER, CO 80301 LIGHTING DESIGNER ENLIGHTEN 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228 ACOUSTIC ENGINEER **K2 AUDIO** 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301 **FURNITURE** WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202 CIVIL ENGINEER
JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302 COUNTY SOUTHEAST (1755 S. PUBLIC RD LAFAYETTE, CO 8002 PROJECT NO: 2007 PHASE / REV NAME ISSUE DATE 11-19-2021 CONSTRUCTION DOCUMENTS

studiotrope

OWNER BOULDER COUNTY PUBLIC WORKS

2525 13TH STREET BOULDER, CO 80304

DETAILS

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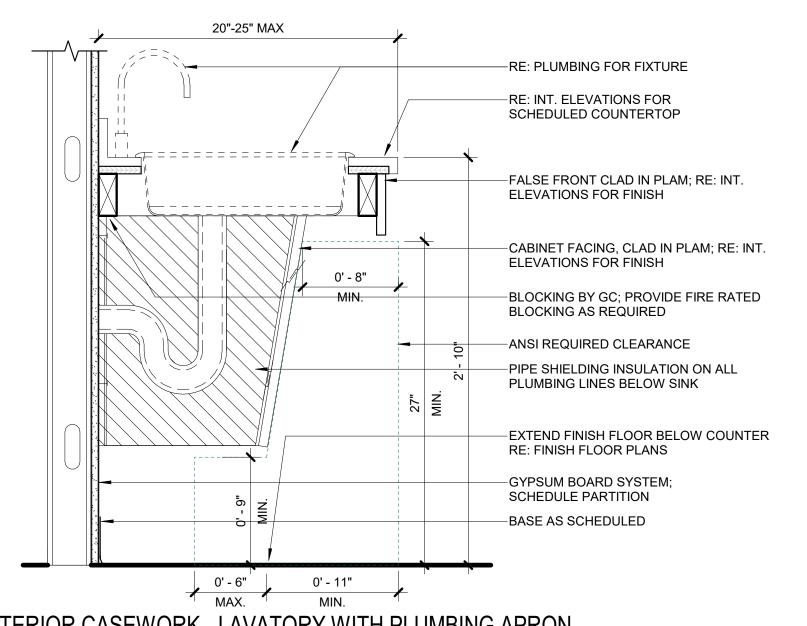
PLAN DETAIL 02- TYP. COLUMN

PAPER-FACED (REGULAR)
GYPSUM BOARD

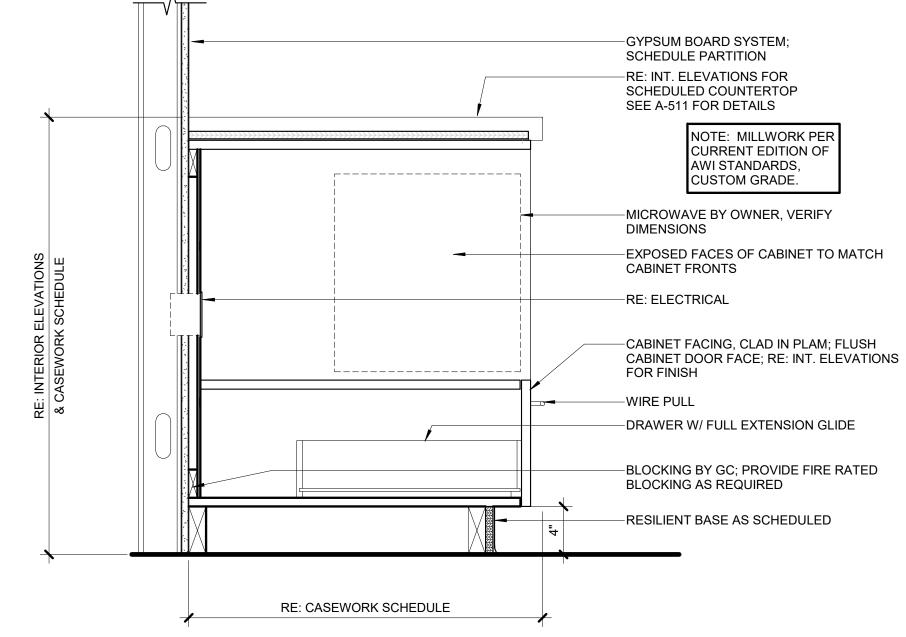
-09 2116.01 METAL STUD FRAMING

-WALL PROTECTION; RE: A-900s

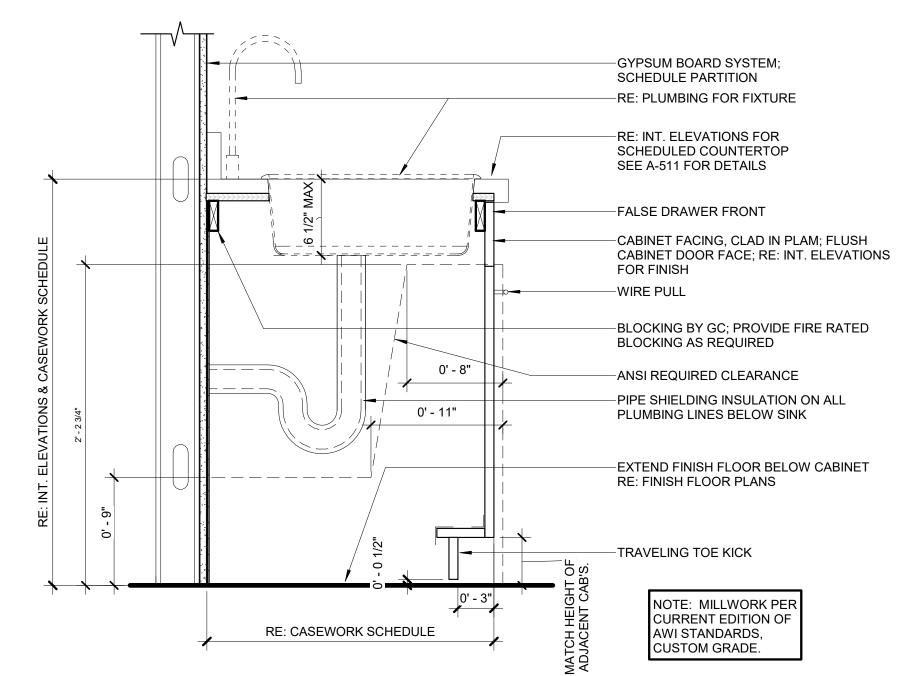
—(E) STEEL COLUMN



INTERIOR CASEWORK - LAVATORY WITH PLUMBING APRON

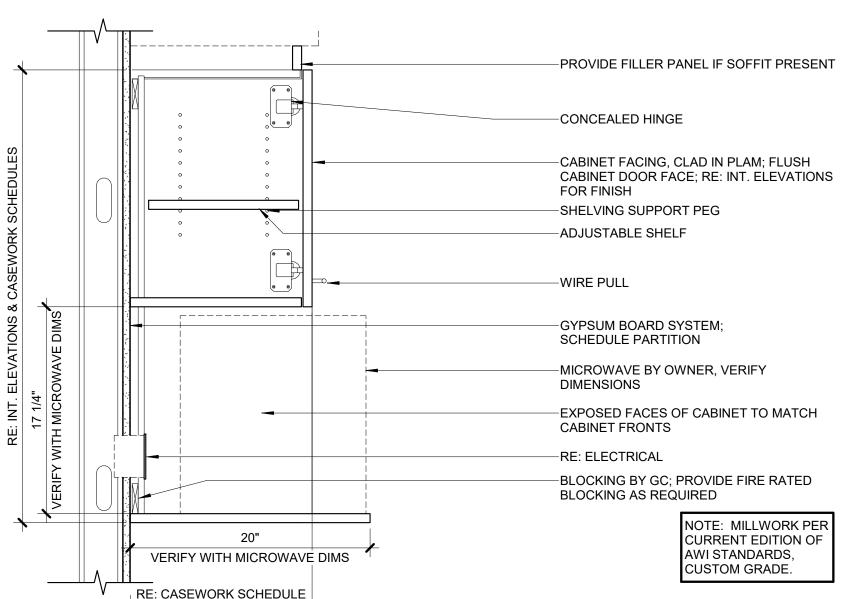


INTERIOR CASEWORK -L8 BASE CABINET WITH MICROWAVE SHELF

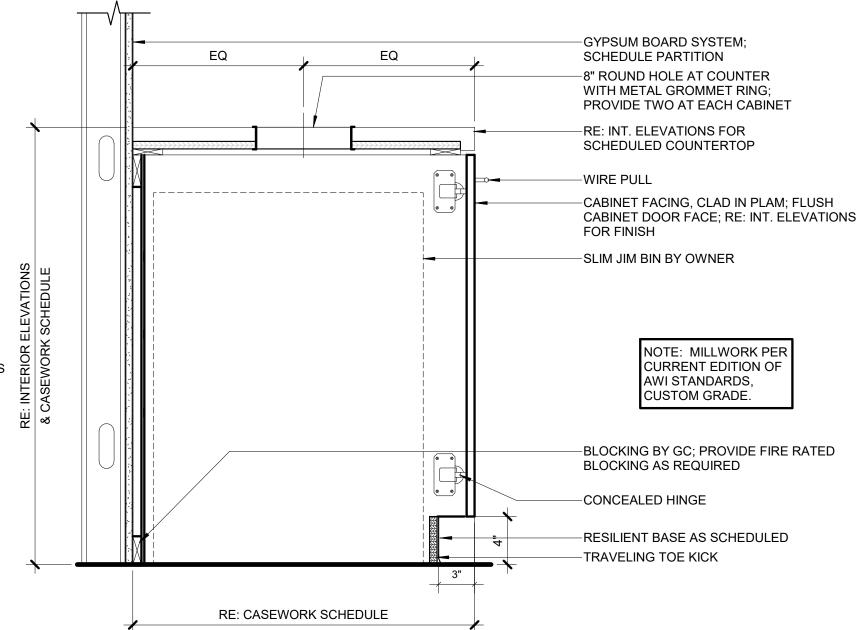


INTERIOR CASEWORK -L4 BASE CABINET AT ACCESSIBLE SINK

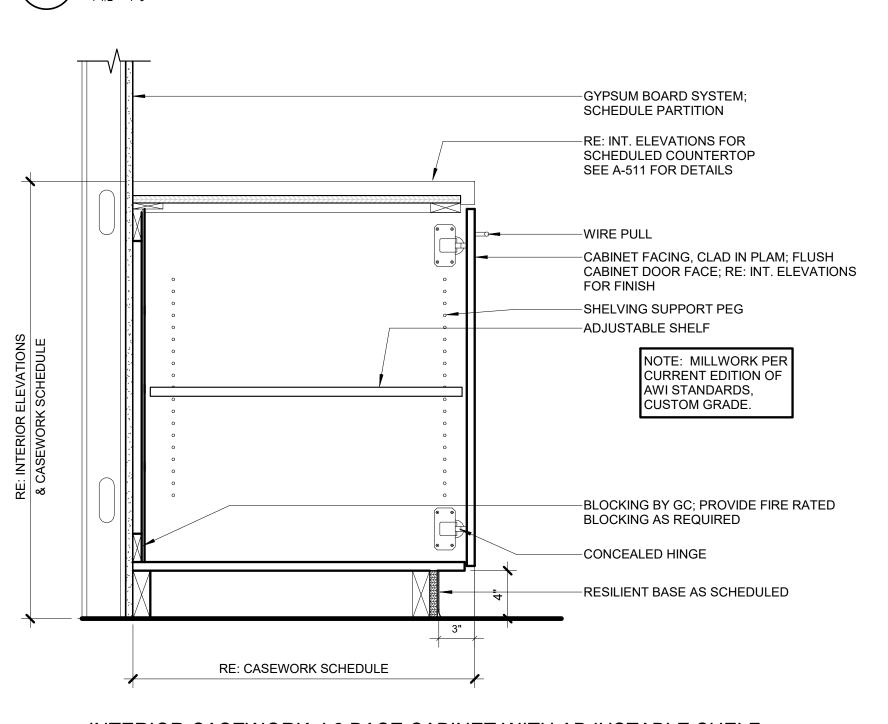
1 1/2" = 1'-0"



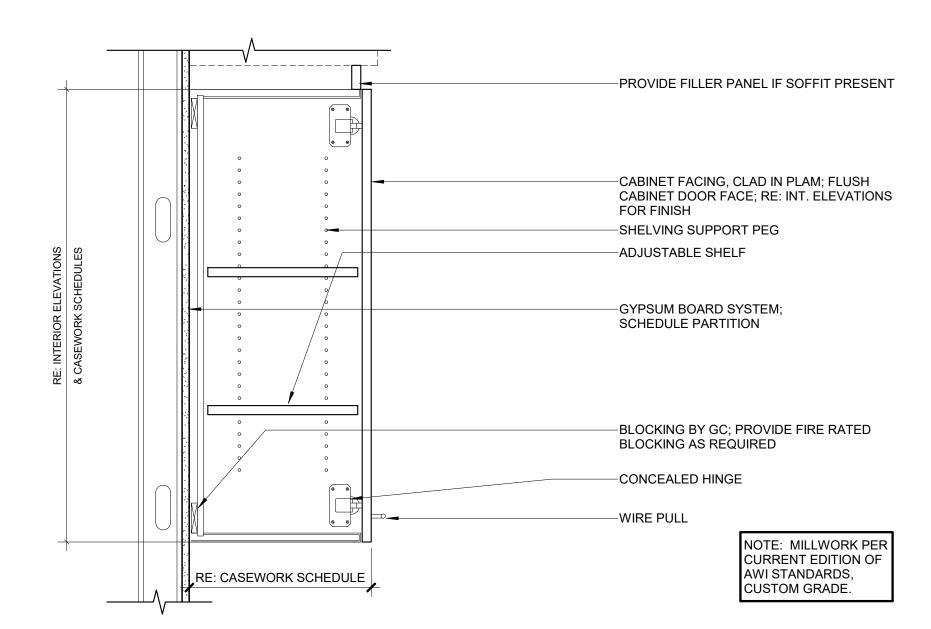
INTERIOR CASEWORK - U5 UPPER CABINET WITH MICROWAVE SHELF



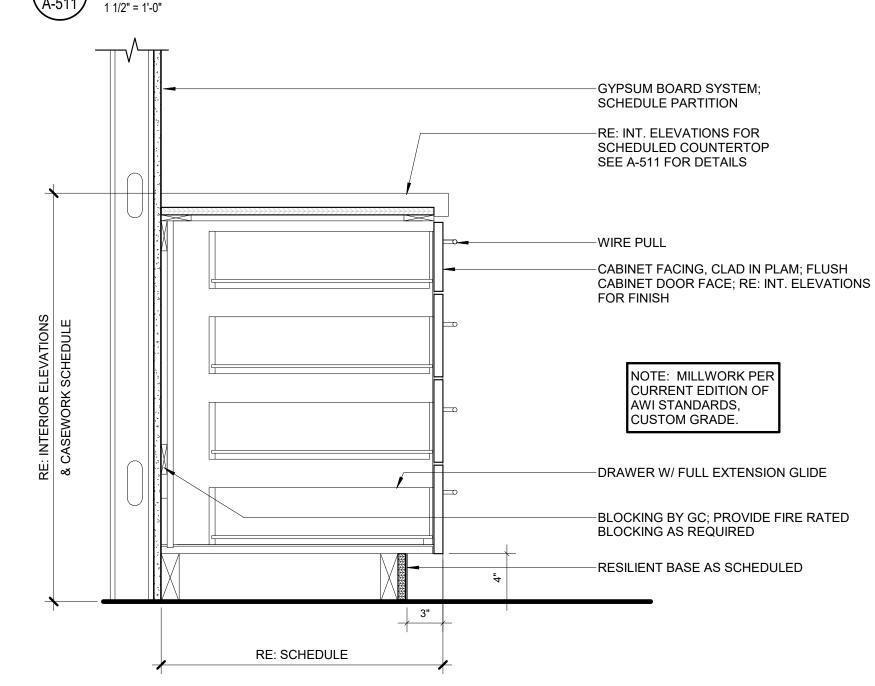
INTERIOR CASEWORK -L7 BASE CABINET WITH TRASH/RECYCLING



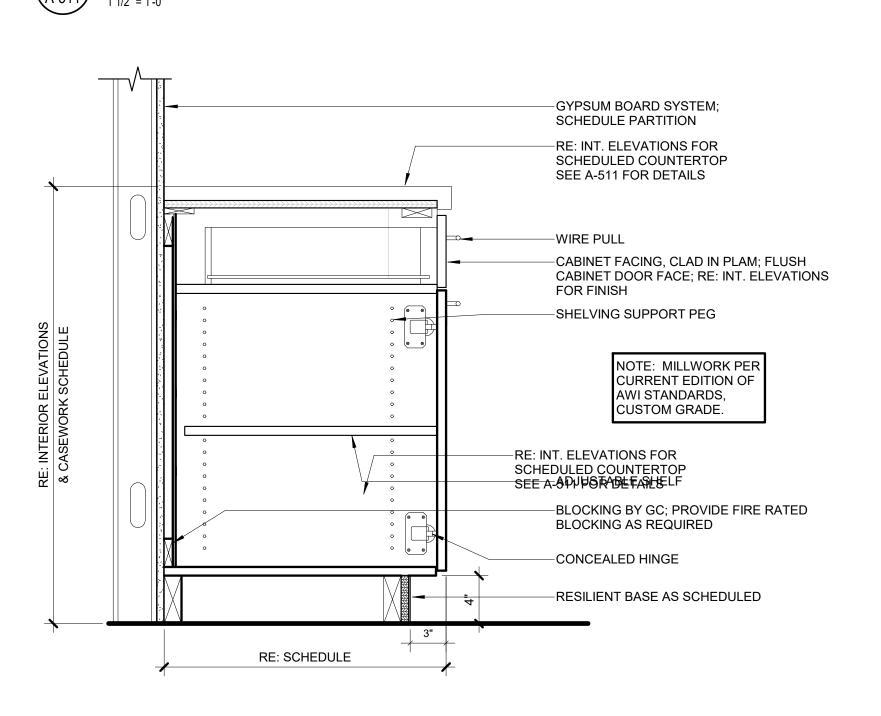
INTERIOR CASEWORK -L2 BASE CABINET WITH ADJUSTABLE SHELF 1 1/2" = 1'-0"



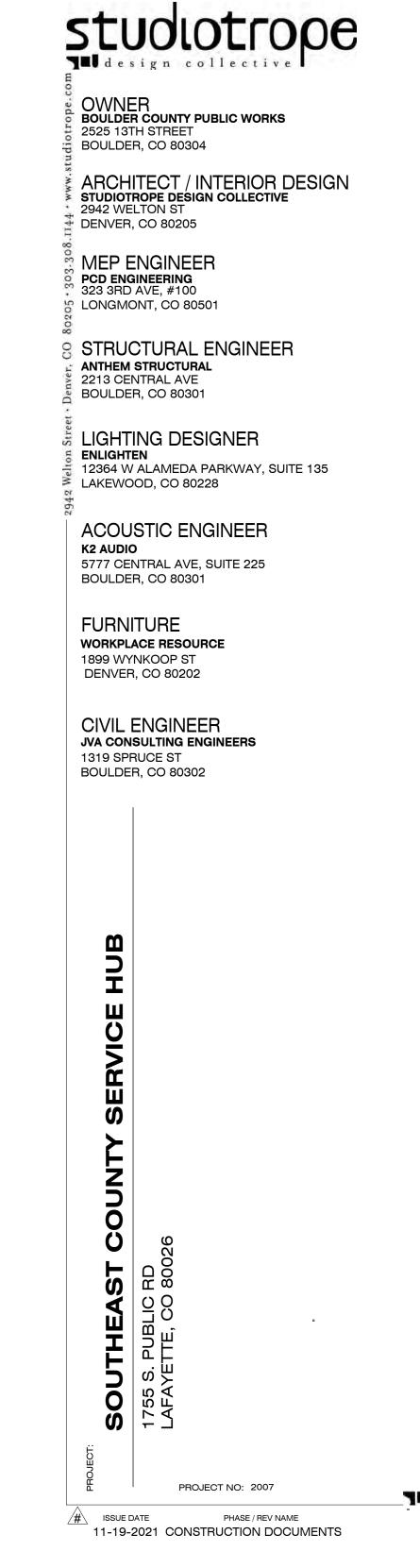
INTERIOR CASEWORK - U4 UPPER CABINET WITH DOORS



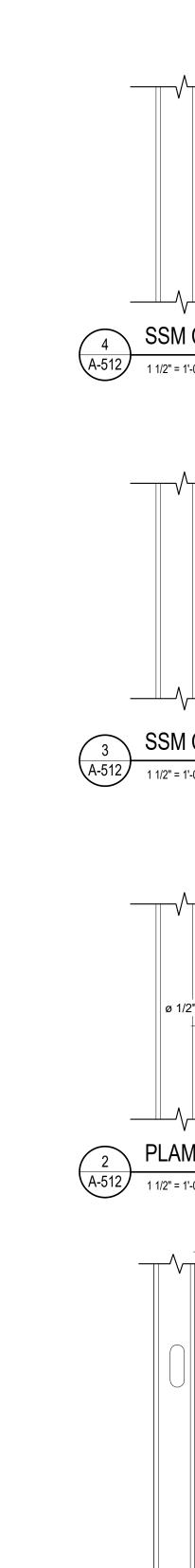
INTERIOR CASEWORK - L6 4-DRAWER BASE CABINET

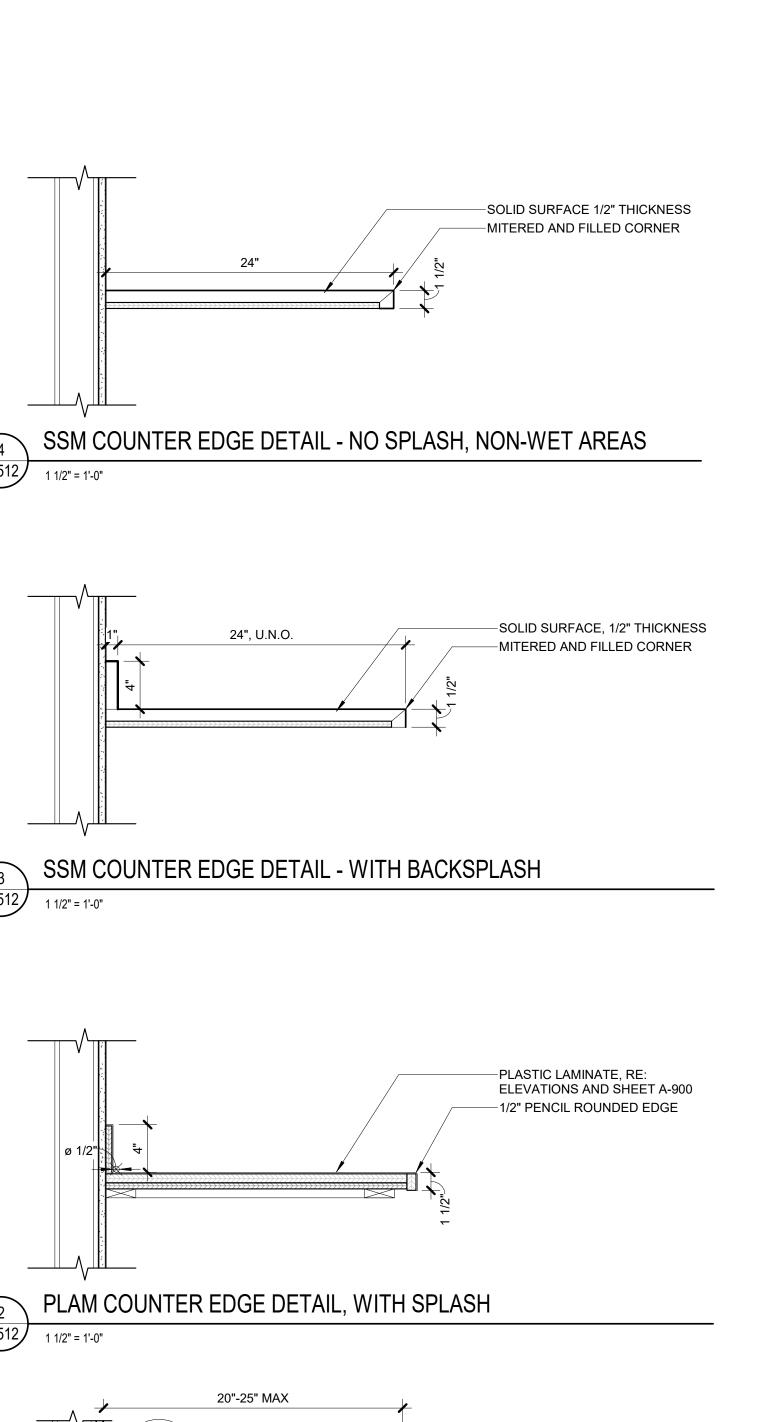


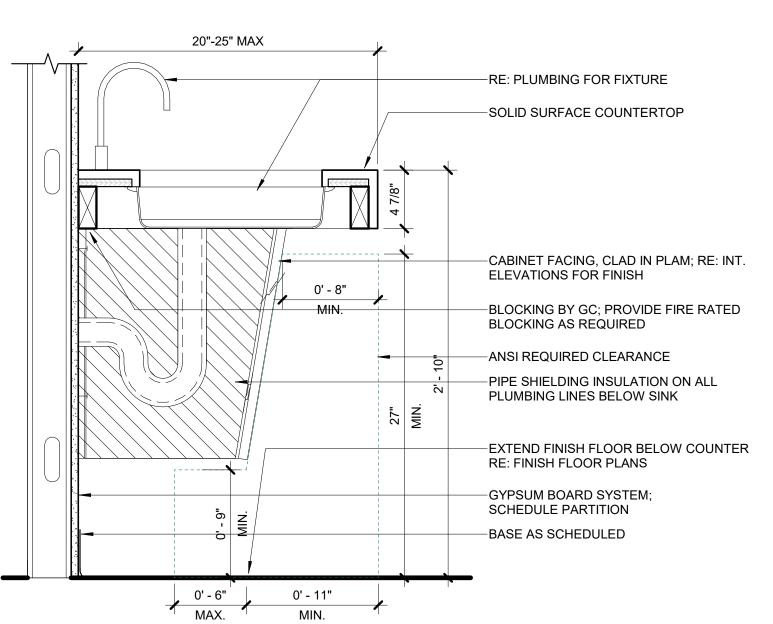
INTERIOR CASEWORK - L1 BASE CABINET WITH DOOR AND DRAWER 1 1/2" = 1'-0"











INTERIOR CASEWORK - LAVATORY WITH PLUMBING APRON @ RESTROOMS

1 1/2" = 1'-0"

OWNER
BOULDER COUNTY PUBLIC WORKS
2525 13TH STREET
BOULDER, CO 80304 ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205 MEP ENGINEER

CONTROL

CONTROL LONGMONT, CO 80501 STRUCTURAL ENGINEER
ANTHEM STRUCTURAL
2213 CENTRAL AVE
BOULDER, CO 80301 LIGHTING DESIGNER ENLIGHTEN 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228 ACOUSTIC ENGINEER **K2 AUDIO** 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301 **FURNITURE** WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202 CIVIL ENGINEER
JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302 SOUTHEAST (1755 S. PUBLIC RD LAFAYETTE, CO 8002 PROJECT NO: 2007 70 #\ ISSUE DATE ISSUE DATE PHASE / REV NAME
11-19-2021 CONSTRUCTION DOCUMENTS

CASEWORK AND COUNTERTOP DETAILS

A-512

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	APPLIANCE/EQUIPMENT SCHEDULE									
TYPE MARK	DESCRIPTION	MANUFACTURER	MODEL	FINISH	DEPTH	WIDTH	HEIGHT	COMMENTS	COUNT	C.F.C.I. 0.F.C.I. 0.F.0.I.
EQ-01	COMMERCIAL TOP LOAD WASHER	MAYTAG	MVWP576K	WHITE	2' - 2"	2' - 3"	3' - 8"		1	X
EQ-02	COMMERCIAL CLOTHES DRYER	MAYTAG	MEDP576KW	WHITE	2' - 6"	2' - 3"	3' - 6"		1	X
EQ-03	UNDERCOUNTER ADA REFRIGERATOR	SUMMIT APPLIANCE	AL752BKSSHV	STAINLESS STEEL	1' - 11 1/2"	1' - 11 161/256"	2' - 8"	ADA COMPLIANT AND ENERGY STAR	2	X
EQ-04	MICROWAVE OVEN	GE	JVM3160RFSS		1' - 3 1/4"	2' - 5 7/8"	1' - 4 1/2"		4	X
EQ-05	SIDE BY SIDE REFRIGERATOR	GE	GSS25GSHSS	STAINLESS STEEL	2' - 9 5/8"	2' - 11 3/4"	5' - 9 3/4"	ENERGY STAR AND ADA COMPLIANT; COORDINATE WATERLINE WITH PLUMBING	3	X
EQ-06	UNDERCOUNTER DISHWASHER	GE	GDT225SSLSS	STAINLESS STEEL	2' - 0"	2' - 0"	2' - 8 11/32"	ENERGY STAR AND ADA COMPLIANT; COORDINATE WATER LINE WITH PLUMBING	2	X
EQ-07	SAFE	HAYMAN	MV3X-1512		1' - 6 3/4"	1' - 5 1/4"	1' - 8 1/4"		2	X

	DOOR SCHEDULE															
DOOR FRAME																
MARK	TYPE	MTRL	FINISH	WIDTH	HEIGHT	GLAZ	TYPE	MTRL	FINISH		CLERESTORY HEIGHT	GLAZ	HDWR	FIRE RATING	STC	COMMENTS
VEL 01			ОТ	21 01	71 011		4	1.15.4	DT				0			
101 103A	A	FW FW	ST ST	3' - 0" 3' - 0"	7' - 0" 7' - 0"		1	HM HM	PT PT				9			CARD READER
103B	E	FW	ST	4' - 0"	7' - 0"		1	HM	PT				11			CARDINEADER
103C	Α	FW	ST	3' - 0"	7' - 0"		1	НМ	PT				12			CARD READER
103D	Α	FW	ST	3' - 0"	7' - 0"		1	НМ	PT				12			CARD READER
104	Α	FW	ST	3' - 0"	7' - 0"		1	HM	PT				13			
105 107	A	FW	ST ST	3' - 0"	7' - 0" 7' - 0"		1	HM HM	PT				13			
107	A	FW FW	ST	3' - 0" 3' - 0"	7 - 0		1	HM	PT PT				14 15			
109	A	FW	ST	3' - 0"	7' - 0"		1	HM	PT				16			
110A	Α	FW	ST	3' - 0"	7' - 0"		1	НМ	PT				10			CARD READER
110B	В	AL	AA	3' - 2"	7' - 3"	GL-1 T	SF	AL	AA				3			CARD READER; STOREFRONT RE: A-60
111A	A	FW	ST	3' - 0"	7' - 0"		1	HM	PT				15			
111B	A	FW	ST	3' - 0"	7' - 0"		1	HM	PT				17			CARD READER
112 113	A	FW FW	ST ST	3' - 0" 3' - 0"	7' - 0" 7' - 0"		1	HM HM	PT PT				19 18			CARD READER
114	A	FW	ST	3' - 0"	7'-0"		1	HM	PT				19			CARD READER
115A	A	FW	ST	3' - 0"	7' - 0"		1	НМ	PT				15			
115B	Α	FW	ST	3' - 0"	7' - 0"		1	HM	PT				17			CARD READER
116	Α	FW	ST	3' - 0"	7' - 0"		1	HM	PT				18			
117	Α	FW	ST	3' - 0"	7' - 0"		1	HM	PT				15			
118	A	FW FW	ST ST	3' - 0" 3' - 0"	7' - 0" 7' - 0"		1	HM HM	PT PT				15 20			
120 121	A	FW	ST	3' - 0"	7 - 0		2	HM	PT	2' - 0"		GL-3B T	15			
123A	A	FW	ST	3' - 0"	7' - 0"		1	HM	PT	2 - 0		OL-3D 1	47			CARD READER
123B	G	НМ	AA	5' - 8"	7' - 3"		SF	AL	AA				4			INTALL INSULATED METAL DOOR (MIN R-4.75) - ANODIZED ALUMINUM FINISH MATCH STOREFRONT; RE: A-602
124A	Α	FW	ST	3' - 0"	7' - 0"		1	НМ	PT				20	45 MIN		
124B	G	HM	AA	5' - 8"	7' - 3"		SF	AL	AA				5			INTALL INSULATED METAL DOOR (MIN R-4.75) - ANODIZED ALUMINUM FINISH TO MATCH STOREFRONT; A-602
125	Α	FW	ST	3' - 0"	7' - 0"		1	НМ	PT				22			
126	Α	FW	ST	3' - 0"	7' - 0"		1	HM	PT				15			
127	A	FW	ST	3' - 0"	7' - 0"		1	HM	PT				12			CARD READER
128 129A	A	FW FW	ST ST	3' - 0" 3' - 0"	7' - 0" 7' - 0"		1	HM HM	PT PT				15 10			CARD READER
129B	В	AL	AA	3' - 0"	7' - 3"	GL-1 T	SF	AL	AA				6			CARD READER; STOREFRONT RE: A-60
130	A	FW	ST	3' - 0"	7' - 0"	02 1 1	1	HM	PT				23			CYPHER LOCK
131A	Α	FW	ST	3' - 0"	7' - 0"		2	НМ	PT	2' - 6"		GL-3B T	24			
131B	Α	FW	ST	3' - 0"	7' - 0"		2	HM	PT	2' - 6"		GL-3B T	25			
131C	В	AL	AA	3' - 0"	7' - 3"	GL-1 T	SF	AL	AA	01 011		01.05	7			STOREFRONT RE: A-602
132A	A	FW	ST	3' - 0"	7' - 0" 7' - 0"		2	HM	PT PT	2' - 6"		GL-3B T	24			
132B 132C	A B	FW AL	ST AA	3' - 0" 3' - 0"	7' - 0"	GL-1 T	2 SF	HM AL	AA	2' - 6"		GL-3B T	24 7			STOREFRONT RE: A-602
133	Н	AL	AA	19' - 6"	9' - 10"	GL-11	Ol	AL	AA				8			MULTIPANEL SLIDER
134	E	FW	ST	6' - 0"	7' - 0"		1	HM	PT				45			CARD READER
135	Α	FW	ST	3' - 0"	7' - 0"		1	НМ	PT				16			
136	Α	FW	ST	3' - 0"	7' - 0"		1	НМ	PT				15			
137	A	FW	ST	3' - 0"	7' - 0"		1	HM	PT				15			OADD BEADED WITH A 16TH TO 1
138	A	FW FW	ST	3' - 0"	7' - 0"		1	HM	PT PT				26			CARD READER WITH A KEYPAD; OCCUPANCY INDICATOR DOOR LATCH
140	A	FW	ST	3' - 0"	7'-0"		1	HM	PT				12			CARD READER
141	A	FW	ST	3' - 0"	7' - 0"		1	HM	PT				12			CARD READER
142	Α	FW	ST	3' - 0"	7' - 0"		1	НМ	PT				28			
143	Α	FW	ST	3' - 0"	7' - 0"		1	НМ	PT				12			CARD READER
144	Е	FW	ST	6' - 0"	7' - 0"	_	1	НМ	PT				29			
145A	D	FW	ST	3' - 0"	7' - 0"	GL-3A T	1	HM	PT				10			CARD READER; RELEASE BUTTON FRO
1/5D	Ι Λ	⊑\ \/	ТО	3' _ N"	7' _ N"		1	ши	DT				32			CADD DEADED: ACCESS CONTDOLLED

A FW ST 3'-0" 7'-0"

DOOR	SCHEDUL	E LEGEN
DOOK	JOHLDOL	

ABBREVIATIONS

08 1416 | FW = FLUSH WOOD

08 1233 HM = HOLLOW METAL/LIGHT GAUGE METAL FRAMES

08 4313 AL = ALUMINUM

AA = ANODIZED ALUMINUM

(E) = EXISTING

HDWR = HARDWARE GROUP

MTRL = MATERIAL GLAZ = GLAZING TYPE

GENERAL DOOR NOTES:

- 1. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL DOOR QUANTITIES AND ACUTAL DIMENSIONS OF ALL OPENINGS IN FIELD.
- 2. ALL GLAZING IN HAZARDOUS LOCATIONS AS DEFINED IN IBC SHALL BE TEMPERED GLASS. 3. ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED. 4. FOR ADA SIGNAGE, RE: SPEC SECTION 10 1402 AND A6.02
- FOR EXAMPLES OF TYP. SIGNAGE 5. FOR DOOR HARDWARE GROUPS,
- RE: SPEC SECTION 08 7100

REMAIN AS IS

REMAIN AS IS

45 MIN

MEP ENGINEER PCD ENGINEERING 323 3RD AVE, #100

CONGMONT, CO 80501 **9 STRUCTURAL ENGINEER**

ANTHEM STRUCTURAL 2213 CENTRAL AVE BOULDER, CO 80301

Toldesign collective

OWNER BOULDER COUNTY PUBLIC WORKS

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST

2525 13TH STREET

DENVER, CO 80205

BOULDER, CO 80304

LIGHTING DESIGNER ENLIGHTEN 12364 W ALAMEDA PARKWAY, SUITE 135

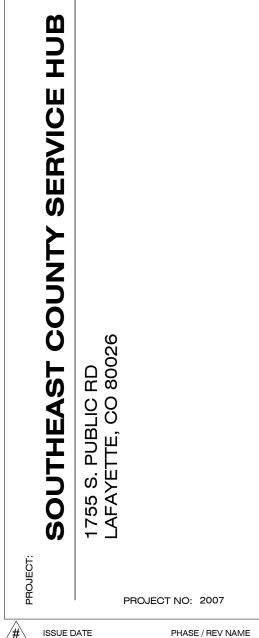
ACOUSTIC ENGINEER

LAKEWOOD, CO 80228

K2 AUDIO 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

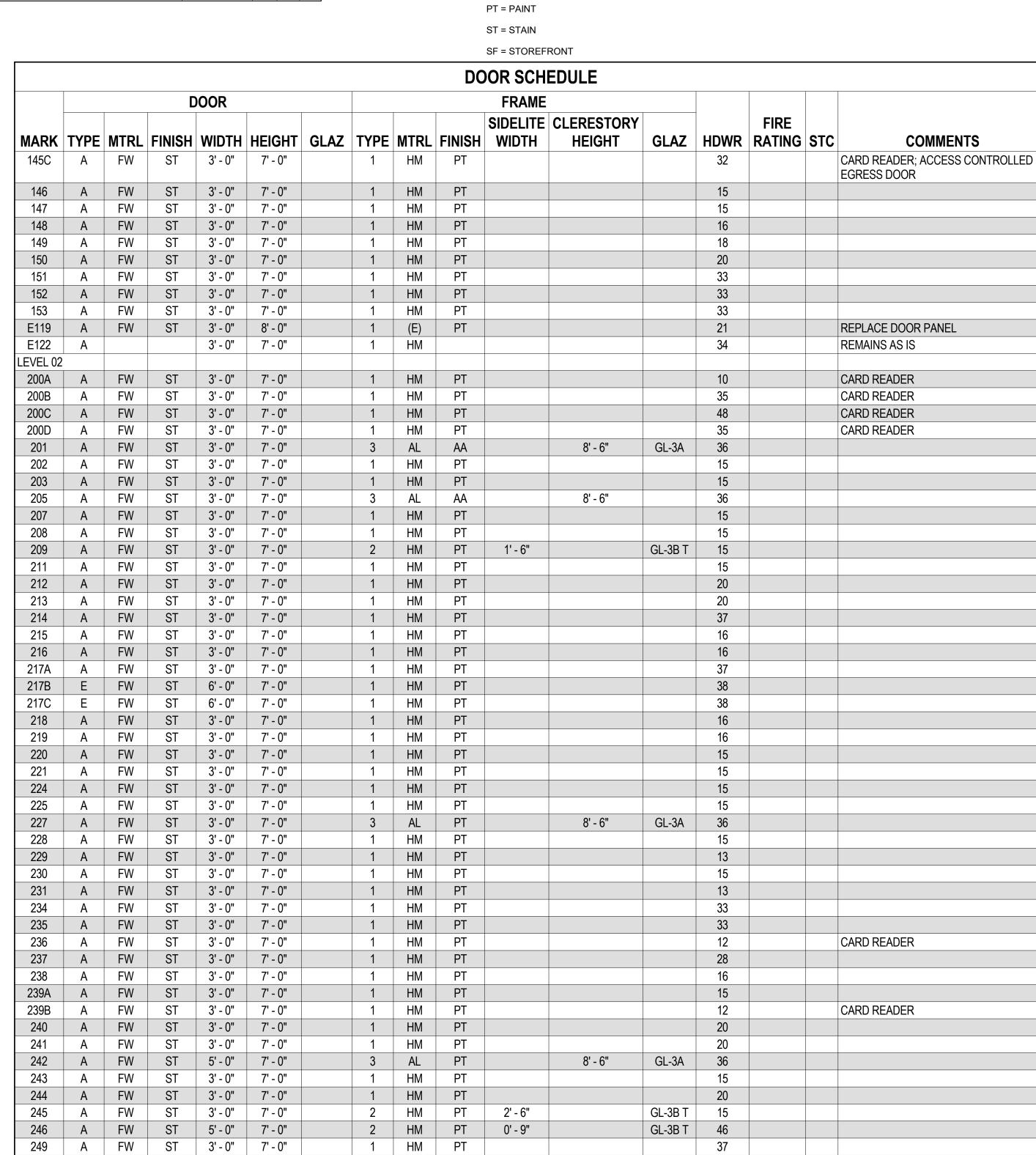
FURNITURE WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202

CIVIL ENGINEER JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302



DOOR SCHEDULE / APPLIANCE SCHEDULE

11-19-2021 CONSTRUCTION DOCUMENTS



E003 A FW ST 3'-0" 7'-0"

E223 A FW ST 3'-0" 7'-0"

CARD READER; ACCESS CONTROLLED

EGRESS DOOR

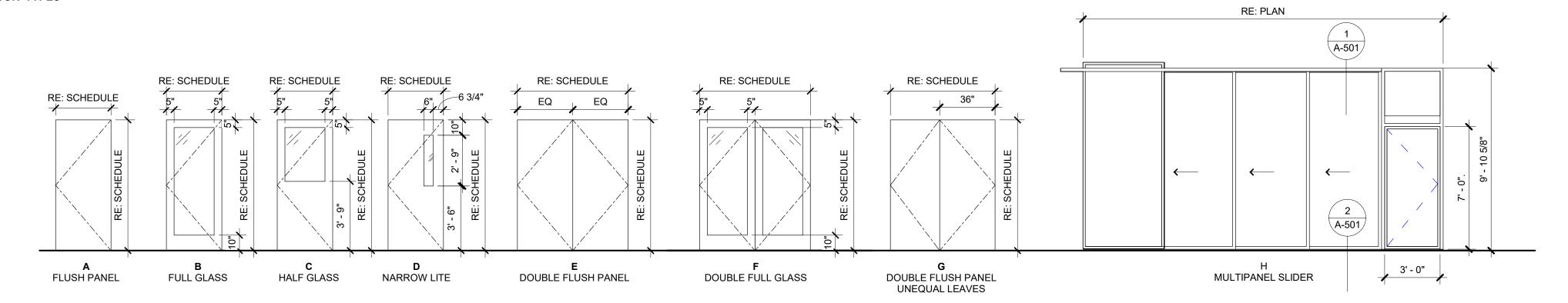
1 | HM

1 | HM

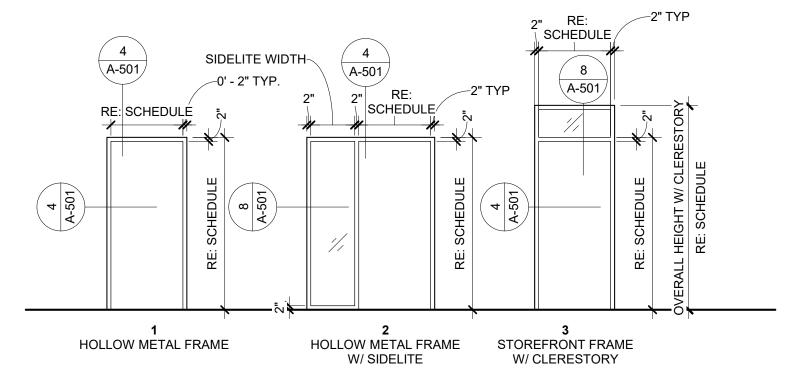
GENERAL WINDOW/DOOR NOTES:

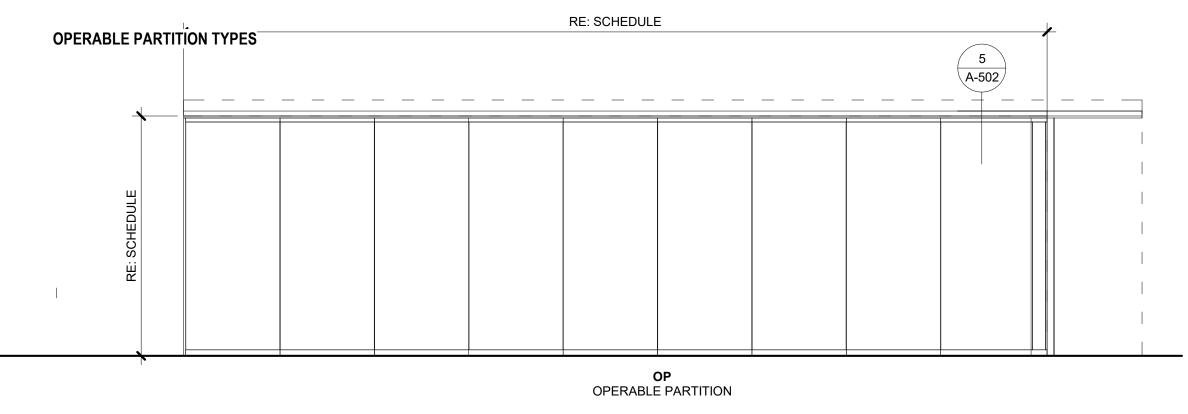
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL WINDOW/DOOR QUANTITIES AND ACUTAL DIMENSIONS OF ALL OPENINGS IN FIELD.
- 2. ALL GLAZING IN HAZARDOUS LOCATIONS AS DEFINED IN IBC SHALL BE TEMPERED GLASS.
- 3. REFER TO ENLARGED FLOOR PLANS AND DOOR SCHEDULE FOR DOOR LOCATION, INFORMATION, AND DIMENSIONS. RE: A-600.

DOOR TYPES



DOOR FRAME TYPES





	OPERABLE PARTITION SCHEDULE								
MARK	DESCRIPTION	RIPTION CEILING HEIGHT WIDTH FINISH STACKING TYPE MIN STC RATING COMMENTS							
OP1	Operable Partition	9' - 10"	27' - 10 11/128"	VINYL COATED FABRIC	REMOTE STACK	54	RE: SPEC 10 2239		
OP2	Operable Partition	9' - 10"	27' - 10 11/128"	VINYL COATED FABRIC	REMOTE STACK	54	RE: SPEC 10 2239		



OWNER
BOULDER COUNTY PUBLIC WORKS
2525 13TH STREET
BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN

STUDIOTROPE DESIGN COLLECTIVE
2942 WELTON ST
DENVER, CO 80205

MEP ENGINEER
PCD ENGINEERING
323 3RD AVE, #100
CONGMONT, CO 80501

STRUCTURAL ENGINEER ANTHEM STRUCTURAL

ANTHEM STRUCTURAL
2213 CENTRAL AVE
BOULDER, CO 80301

LIGHTING DESIGNER
ENLIGHTEN
12364 W ALAMEDA PARKWAY, SUITE 135

LAKEWOOD, CO 80228

ACOUSTIC ENGINEER

5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

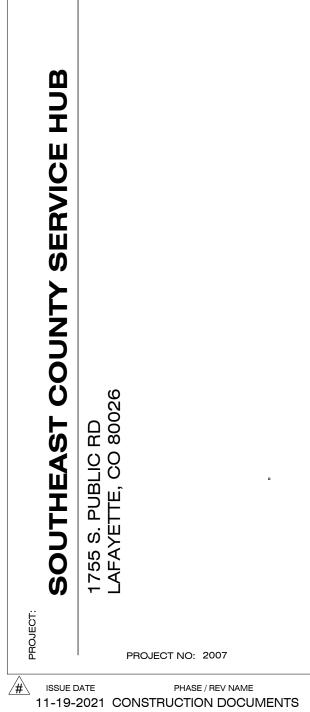
FURNITURE
WORKPLACE RESOURCE
1899 WYNKOOP ST
DENVER, CO 80202

CIVIL ENGINEER

JVA CONSULTING ENGINEERS

1319 SPRUCE ST

BOULDER, CO 80302



DOOR TYPES / OPERABLE PARTITION SCHEDULE

A-60
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11/19/2021 4:46:31 PM

GENERAL WINDOW/DOOR NOTES:

- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL WINDOW/DOOR QUANTITIES AND ACUTAL DIMENSIONS OF ALL OPENINGS IN FIELD.
- ALL GLAZING IN HAZARDOUS LOCATIONS AS DEFINED IN IBC SHALL BE TEMPERED GLASS.
 REFER TO ENLARGED FLOOR PLANS AND DOOR SCHEDULE
- REFER TO ENLARGED FLOOR PLANS AND DOOR SCHEDU FOR DOOR LOCATION, INFORMATION, AND DIMENSIONS. RE: A-600.

GLAZING TYPES LEGEND

(FOR GLAZING TYPES, RE: SPECIFICATION SECTION 08 800 00 GLAZING)

- GL-1 INSULATING GLASS UNIT VISION
- GL-2 INSULATING GLASS UNIT SPANDREL
- GL-3A MONOLITHIC INTERIOR VISION GLAZING 1/4" THICK GL-3B MONOLITHIC INTERIOR VISION GLAZING 3/8" THICK GL-3C MONOLITHIC INTERIOR VISION GLAZING 1/2" THICK
- **GL-4** TRANSPARENT ONE WAY MIRROR
- GL-5 FIRE RATED GLAZING

OWN" SCULPTURED SERIES; ANODIZED ALUMINUM FINISH; MOUNTED WITH INTEGRATED/CONCEALED MOUNTING

BASE (6406002)

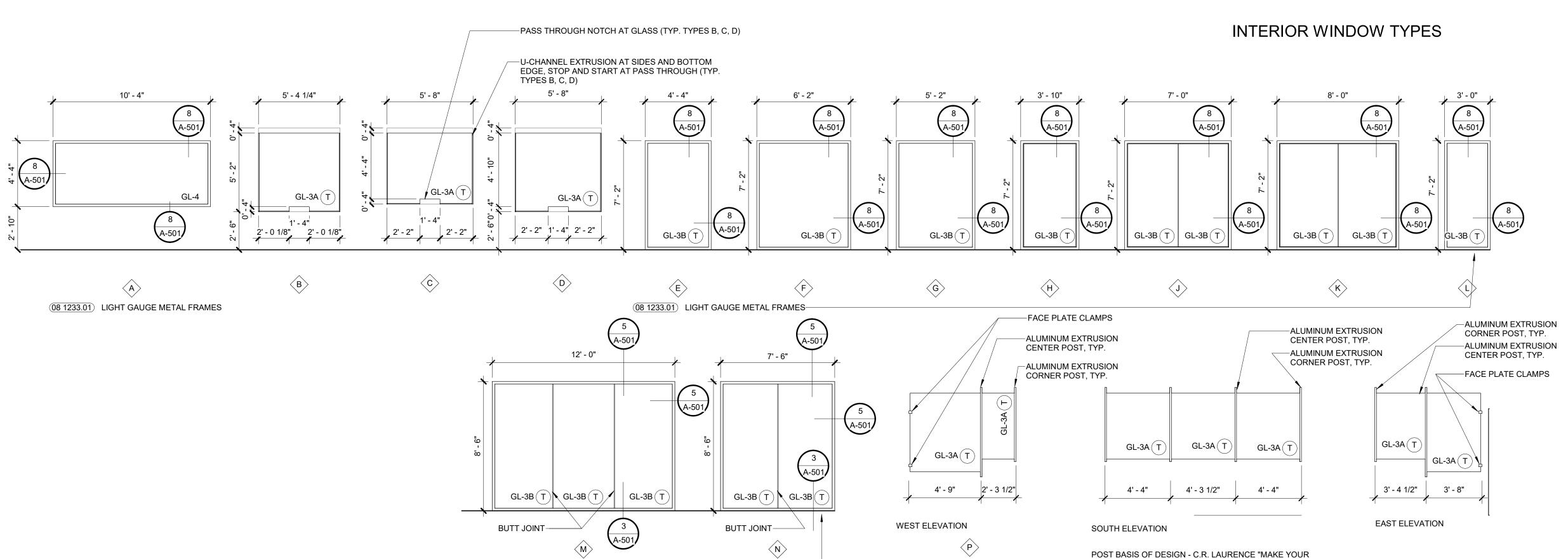
EXTERIOR WINDOW TYPES

- **GL-6** BALLISTIC RESISTANT GLAZING
- T INDICATES FULLY TEMPERED SAFETY GLAZING

NEW ELEMENTS

EXISTING ELEMENT TO REMAIN

SOUTH ELEVATION NORTH ELEVATION NORTH ELEVATION U-VALUE MAX **U-VALUE MAX U-VALUE MAX** FIXED = 0.38FIXED = 0.38FIXED = 0.38DOORS = 0.77 DOORS = 0.77 DOORS = 0.77 SHGC MAX = 0.38 SHGC MAX = 0.51 SHGC MAX = 0.51 (DD) EE LEVEL 01 100' - 0" 32" 36" V.I.F. 38" V.I.F. 36" MIN 08 4313.01 ALUMINUM-FRAMED STOREFRONT_ SYSTEM 08 8000.01 SEALED INSULATING GLASS UNIT_ (SIGU)



08 4313.01) ALUMINUM-FRAMED STOREFRONT_ SYSTEM

OWNER BOULDER COUNTY PUBLIC WORKS 2525 13TH STREET BOULDER, CO 80304 ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205 MEP ENGINEER PCD ENGINEERING 323 3RD AVE, #100 CONGMONT, CO 80501 § STRUCTURAL ENGINEER ANTHEM STRUCTURAL 2213 CENTRAL AVE BOULDER, CO 80301 LIGHTING DESIGNER ENLIGHTEN 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228 ACOUSTIC ENGINEER **K2 AUDIO** 5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301 **FURNITURE** WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202 **CIVIL ENGINEER** JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302 HUB COUNTY SOUTHEAST (1755 S. PUBLIC RD LAFAYETTE, CO 8002 PROJECT NO: 2007 70 PHASE / REV NAME ISSUE DATE 11-19-2021 CONSTRUCTION DOCUMENTS

WINDOW TYPES

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CLG-01 DESCRIPTION	GYPSUM BOARD CEILING PAINTED GYP BOARD, CONTROL JOINTS EVERY 30
NOTE	FEET LEVEL 4 UON
CLG-02	ACOUSTICAL CEILING TILE ARMSTRONG
MATERIAL	MINERAL FIBER
TILE SIZE	ULTIMA - HIGH NRC-1942 FINE TEXTURE 2'X2'
NRC	.80 NRC
SUSPENSION NOTE	SUPRAFINE 9/16" 6" AXIOM CLASSIC TRIM WHERE EXPOSED - WHITE, PUBLIC
NOTE	SPACES
CLG-03	ACOUSTICAL CLOUD
MFR MATERIAL	ARMSTRONG MINERAL FIBER
TILE	ULTIMA -1912 FINE TEXTURE
SIZE NRC	2'X2' .70 NRC
SUSPENSION	SUPRAFINE 9/16"
NOTE	6" AXIOM CLASSIC TRIM WHERE EXPOSED, OTHER AREAS
CLG-04	WOOD SLAT ACOUSTICAL
MANUFACTURER STYLE	9WOOD 2000 LINEAR WOOD SERIES / 2100 PANELIZED LINEAR STYLE
COLOR	WHITE ASH (PLAIN SLICED VENEER)
SIZE MATERIAL	3 1/4" X 3/4" SLATS W/ 3/4" GAP WOOD COMPOSITE W/VENEER
NOTE	NRC MIN.= 0.70; ATTACH 1.5" THICK DUCT LINER ATTACHED TO TOP OF WOOD PANELS (B.O.D. = KNAUF INSULATION ATMOSPHERE); WRAPS DOWN ONTO WALL. TRIM AND MITER EDGES PER DETAILS.
CLG-05	ACCENT ACOUSTICAL CEILING TILE
MFR	KIREI
MATERIAL TILE	ECHOTILE SYNC - COLOR: 633 PACIFIC
SIZE	23.75" X 23.75"
NRC SUSPENSION	GREATER THAN .40 SUPRAFINE 9/16"
NOTE	KIREI TO CUT PANELS TO SIZE AT THE FACTORY. USE IN COLLABORATION AREA CEILINGS. SIZE OF CUTS TO BE FINALIZED IN CA
EXP-01	EXPOSED TO STRUCTURE - PAINTED
MFR	-
MATERIAL	-
TILE	-
SIZE	-
SIZE NRC SUSPENSION	- -
	- - - PAINT, PT-02, CONDUIT, HVAC, ETC.
NRC SUSPENSION	
NRC SUSPENSION NOTE	
NRC SUSPENSION NOTE PAINT/ WALL FIN PT-01 MFR	IISHES CEILING - GYP. BOARD SHERWIN WILLIAMS
NRC SUSPENSION NOTE PAINT/ WALL FIN PT-01	IISHES CEILING - GYP. BOARD
NRC SUSPENSION NOTE PAINT/ WALL FIN PT-01 MFR COLOR	CEILING - GYP. BOARD SHERWIN WILLIAMS SW7007 - CEILING BRIGHT WHITE
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NRC SUSPENSION NOTE PAINT/ WALL FIN PT-01 MFR COLOR SHEEN NOTES PT-02 DESCRIPTION	CEILING - GYP. BOARD SHERWIN WILLIAMS SW7007 - CEILING BRIGHT WHITE FLAT EXPOSED CEILING STRUCTURE DUST COLOR DRYFALL TYPE PAINT
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PT-10	[EPOXY FORMULATION]
MFR	TBD
COLOR	MATCH COLOR DESIGNATION NOTED
SHEEN	EGGSHELL
NOTES	SEE SPECIFICATION FOR EPT REQUIREMENT
CG-01	CORNER GUARD
DESCRIPTION	KOROGUARD WALL PROTECTION SYSTEMS
NOTE	STAINLESS STEEL, 16 GUAGE - GS20, 2"X2"X4', #4 SATIN; PUBLIC SPACES AS NOTED
	SATIN, FUBLIC SPACES AS NOTED
CG-02	CORNER GUARD
DESCRIPTION	KOROGUARD WALL PROTECTION SYSTEMS
NOTE	LEXAN SURFACE MOUNTED-J200, TRANSPARENT, POLYCARBONATE, 2"X2"X4', #4 SATIN; OPEN
	OFFICE EXPOSED CORNERS AS NOTED
WC-01	WOOD CLADDING
MANUFACTURER	RECLIMED DESIGN WORKS DENVER
STYLE	HISTORIC PLANK ORGINAL FACE
COLOR	MIXED HARDWOOD BARN WOOD
WEIGHT	A" MUDTH MILLTIDLE LENGTHS 5/0" THICK
SIZE	4" WIDTH, MULTIPLE LENGTHS, 5/8" THICK
NOTE	FEATURE WALL, 3/4" FR PLY BACKING, USE B-03 ALL LOCATIONS FRY REGLET F-REVEAL ANNODIZED ALUMINUM TRIM OR
	SCHLUTER JOLLY METAL TOP CAP
WC-02	ACOUSTIC PANELS [LIGHT GREY]
MANUFACTURER STYLE	SONUS DIMENSIONAL PANELS
COLOR	KNOLL REFLECT E884/4A STEEL
WEIGHT	
SIZE	CUSTOM SIZES: WIDTHS PER ELEVATIONS X 72" H
NOTE	STEPS DIMENSIONAL DESIGN
14/0 00	ACCULCTIC DANIEL O LODEENI
WC-03	ACOUSTIC PANELS [GREEN]
MANUFACTURER	KIREI
STYLE	ECHOPANEL 338 JADE
COLOR WEIGHT	338 JADE
SIZE	24MM
NOTE	KIREI TO LAMINATE (2) 12MM PANELS TOGETHER AT THE
	FACTORY. USE IN LOBBY AT SERVICE DESKS
WC-04	ACOUSTIC PANELS [BLUE]
MANUFACTURER	KIREI
STYLE	ECHOPANEL
COLOR	633 PACIFIC
WEIGHT SIZE	24MM
NOTE	COLLABORATIVE AREAS AND MOTOR VEHICLES IN THE LOBBY
WALL BASE	
RB-01	RUBBER BASE [TYPICAL]
MANUFACTURER	BURKE - MANNINGTON
STYLE	PREFORMED INSIDE AND OUTSIDE CORNERS
COLOR	198 - DEEP SPACE
SIZE	4" HIGH
MATERIAL	THERMOSET RUBBER
NOTE	USE AT CASEWORK TOEKICKS AND ALL GYP WALLS UON
DD 00	
RB-02	RUBBER BASE
MANUFACTURER STVLE	BURKE - MANNINGTON PREFORMED INSIDE AND OUTSIDE CORNERS
STYLE COLOR	PREFORMED INSIDE AND OUTSIDE CORNERS TBD
SIZE	6" HIGH
MATERIAL	THERMOSET RUBBER
NOTE	WORKOUT & CARDIO ROOM
B-01	TILE BASE
	CONCEPT SURFACES
MANUFACTURER STYLE	TL-01/TL-02; RE: ELEVATIONS
COLOR	TL-01/TL-02; RE: ELEVATIONS TL-01/TL-02; RE: ELEVATIONS
SIZE	6" H CUT TILE
MATERIAL	PORCELAIN TILE
NOTE	MATCH TL-01, WITH METAL TOP CAP AND COVE BASE - INCLUDE INSIDE AND OUTSIDE CORNERS AND END CAPS
	HODE AND COTOIDE CONNENS AND END CAPS
D 00	NACTAL DAGE COULT
B-03	METAL BASE [2"H]
MANUFACTURER	MOULDINGS MX
STYLE	STRAIGHT PROFILE
COLOR	BRUSHED STAINLESS STEEL 2" H
SIZE MATERIAL	2" H STAINLESS STEEL
IVI A I I I I I I I	O 17 MINELEGO O I ELL
NOTE	FOR USE WITH WC-01 ONLY
	FOR USE WITH WC-01 ONLY
NOTE	FOR USE WITH WC-01 ONLY METAL BASE [4"H] MOULDINGS MX
NOTE B-04	METAL BASE [4"H]
NOTE B-04 MANUFACTURER	METAL BASE [4"H] MOULDINGS MX

STAINLESS STEEL

MATERIAL

NOTE

FLOOR FINISH CPT-01 WALK OFF MAT MANUFACTURER SHAW STYLE ALL ACCESS - JIVE 5T412 COLOR STEP - 12549 SIZE 24X24 FIBER TDX NYLON DYE METHOD SOLUTION DYED TUFTED WEIGHT 30 OZ/YD TBD INSTALLATION NOTE \$48 PER SQ YARD CPT-02 FIELD MANUFACTURER MANNINGTON STYLE **RIDGELINE** COLOR COMPASS 12" x 48" TILES SIZE **FIBER** ANTRON LUMENA TYPE 6,6 NYLON DYE METHOD SOLUTION TUFTED WEIGHT 28OZ/YD INSTALLATION TBD NOTE CPT-03 **ACCENT [BLUE]** MANUFACTURER SHAW STYLE **ENDLESS TILE 5T305** COLOR SPRINGS - 05440 SIZE 9" X 36" TILES **FIBER** ANTRON LUMENA TYPE 6,6 NYLON DYE METHOD SOLUTION TUFTED WEIGHT 22 OZ. INSTALLATION RE: INSTALL DIAGRAMS NOTE CPT-04 **ACCENT [GREEN]** MANUFACTURER SHAW STYLE **ENDLESS TILE 5T305** COLOR GREENHOUSE 05396 SIZE 9" X 36" TILES **FIBER** ECOSOLUTION Q100 NYLON DYE METHOD SOLUTION TUFTED WEIGHT 22OZ INSTALLATION RE: INSTALL DIAGRAMS NOTE CPT-05 ACCENT [GREEN + GREY] MANUFACTURER SHAW STYLE SUSPEND TILE COLOR **GREENHOUSE 88396** SIZE 9" x 36" TILES **FIBER** ECOSOLUTION Q100 NYLON DYE METHOD TUFTED WEIGHT 190Z/YD INSTALLATION NOTE CPT-06 **WALK-OFF MAT** MANUFACTURER TARKETT STYLE GEO TILE COLOR 00979 CHARCOAL 18" X 18" TILES **FIBER** 100% POLYPROPYLENE DYE METHOD SOLUTION TUFTED WEIGHT INSTALLATION NOTE WALK OFF MAT IN VESTIBULES RF-01 LVT [FIELD] MANUFACTURER PATCRAFT STYLE CROSSOVER LL 1439V SMOKEY TAUPE 00720 COLOR SIZE 7" X 48" X 5MM LUXURY VINYL PLANK WITH FIBERGLASS MATERIAL NOTE LOOSE LAY. INCLUDE UNDERLAYMENT RF-02 SPECIALITY ACCENT MANUFACTURER JOKIMO STYLE LAVA FLOOR TILES COLOR BLUE/GREEN - TWO TONE SIZE 20" SQUARES MATERIAL POLYCARBONATE NOTE PRODUCTION ONLY A FEW TIMES A YEAR, SO POSSIBLE LONG LEAD TIMES RF-03 FITNESS FLOORING [CARDIO ROOM] MANUFACTURER ECORE COMMERCIAL FLOORING STYLE FOREST RX COLOR TOASTED OAK SIZE 7MM THICK ROLL, 72" WIDE GOODS MATERIAL RUBBER COMPOSITE NOTE RF-04 FITNESS FLOORING [WORKOUT ROOM] MANUFACTURER ECORE COMMERCIAL FLOORING STYLE MONSTER COLOR CHARCOAL SIZE 7MM THICK ROLL, 72" WIDE GOODS MATERIAL RUBBER COMPOSITE NOTE WORKOUT ROOM SC-01 SEALED CONCRETE

DESCRIPTION

CLEAR SEALED CONCRETE

<u>TILE</u> TL-01 MATERIAL MANUFACTURER STYLE-COLOR SIZE **GROUT COLOR**

NOTE

SIZE

TL-05

MATERIAL

GROUT WIDTH

FLOOR + WALL TILE [LIGHT GREY] PORCELAIN CONCEPT SURFACES **EVOLVE GREY** 12" x 24" **GROUT WIDTH** 1/8" EPOXY GROUT 100% SOLIDS METAL COVE BASE, METAL PREFORMED INSIDE AND OUTSIDE CORNERS. FOH RESTROOMS.

TL-02 FLOOR + WALL TILE [DARK GREY] MATERIAL PORCELAIN MANUFACTURER CONCEPT SURFACES STYLE-COLOR **EVOLVE COAL**

12" x 24" **GROUT COLOR GROUT WIDTH** 1/8" EPOXY GROUT 100% SOLIDS METAL COVE BASE, METAL PREFORMED INSIDE AND OUTSIDE NOTE

CORNERS. BOH RESTROOMS.

TL-03 WALL TILE [ACCENT - FIELD] MATERIAL METAL EFFECT GLAZED PORCELAIN BRICKS MANUFACTURER VIVA STYLE-COLOR METALLICA GREY LUX 2"X10" METAL BRICK SIZE GROUT COLOR TBD **GROUT WIDTH** 1/8" POLYMER MODIFIED UNSANDED GROUT NOTE METAL TRIM AT TOP AND SIDES OF TILE WHEN TILE IS NOT ADJACENT. PUBLIC RR ACCENT & OPEN LOUNGE 134

WALL TILE [ACCENT BAND - BLUE] METAL EFFECT GLAZED PORCELAIN BRICKS MANUFACTURER VIVA METALLICA BLUE LUX 2"X10" METAL BRICK

STYLE-COLOR SIZE GROUT COLOR TBD **GROUT WIDTH** 1/8" POLYMER MODIFIED UNSANDED GROUT NOTE METAL TRIM AT TOP AND SIDES OF TILE WHEN TILE IS NOT ADJACENT. PUBLIC RR & OPEN LOUNGE 134 ACCENT

TL-06 WALL TILE [ACCENT BAND - GREEN] METAL EFFECT GLAZED PORCELAIN BRICKS MATERIAL MANUFACTURER STYLE-COLOR METALLICA GREEN LUX SIZE 2"X10" METAL BRICK GROUT COLOR TBD **GROUT WIDTH** 1/8" POLYMER MODIFIED UNSANDED GROUT NOTE METAL TRIM AT TOP AND SIDES OF TILE WHEN TILE IS NOT

ADJACENT. PUBLIC RR & OPEN LOUNGE 134 ACCENT TL-07 WALL TILE [ACCENT] MATERIAL CERAMIC TILE MANUFACTURER TILEBAR STYLE-COLOR LANCASTER - OPEN SEAS 3" H x 12" W

GROUT COLOR TBD **GROUT WIDTH** 1/8" POLYMER MODIFIED UNSANDED GROUT TYPICAL BREAK ROOM WALL TILE EXCEPT OPEN LOUNGE 134 TL-08 FLOOR TILE [SHOWER ROOM]

1/8" POLYMER MODIFIED UNSANDED GROUT

METAL TRIM AT TOP AND SIDES OF TILE.

MATERIAL PORCELAIN MOSAIC CERAMIC TECHNICS MANUFACTURER STYLE-COLOR URBAN STUDIO - BLACK GROUT COLOR TBD

GENERAL FINISH NOTES

1. SEE FINISH LEGEND AND RCP'S FOR ADDITIONAL INFORMATION.

2. CONSULT WITH ARCHITECT REGARDING ANY DISCREPANCIES OR OMISSIONS.

3. ARCHITECT WILL BE AVAILABLE TO REVIEW ON SITE AS REQUIRED 4. U.O.N. THE SUBSTRATE FOR ANY PAINT IS GWB.

5. ALL WALLS ARE TO BE PAINTED PT-03 U.N.O 6. ALL GYP SOFFITS AND CEILINGS ARE TO BE PAINTED PT-01 U.N.O. 7. ALL CASEWORK SHOWN IS TO BE ENGINEERED BY

FABRICATOR, DRAWINGS ARE TO SHOW DESIGN INTENT AND FOR PRICING PURPOSES. 8. ALL LAMINATE CASEWORK TO HAVE 3MM EDGE BAND ON ALL EDGES, HEAVY DUTY DRAWER GLIDES, HIDDEN

HINGES, WHITE MELAMINE INTERIORS OF ALL CABINETS, DRAWERS ETC. U.N.O. 9. GC TO PROVIDE ALL CODE REQUIRED ROOM SIGNAGE, REFER TO GRAPHICS PACKAGE FOR WAYFINDNG AND

ENVIRONMENTAL GRAPHICS. 10. SEE ARCH SHEETS FOR ADDITIONAL ALLOWANCES FOR

GRAPHIC ELEMENTS ETC. 11. FLOORING DETAILS, RE: SHEET A-500 design collective

OWNER BOULDER COUNTY PUBLIC WORKS 2525 13TH STREET BOULDER, CO 80304

ARCHITECT / INTERIOR DESIGN STUDIOTROPE DESIGN COLLECTIVE 2942 WELTON ST DENVER, CO 80205

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3 STRUCTURAL ENGINEER ANTHEM STRUCTURAL 2213 CENTRAL AVE BOULDER, CO 80301

LIGHTING DESIGNER **ENLIGHTEN** 12364 W ALAMEDA PARKWAY, SUITE 135 LAKEWOOD, CO 80228

ACOUSTIC ENGINEER **K2 AUDIO**

5777 CENTRAL AVE, SUITE 225 BOULDER, CO 80301

FURNITURE WORKPLACE RESOURCE 1899 WYNKOOP ST DENVER, CO 80202

CIVIL ENGINEER JVA CONSULTING ENGINEERS 1319 SPRUCE ST BOULDER, CO 80302

SOUTHEAST (1755 S. PUBLIC RD LAFAYETTE, CO 8002

ISSUE DATE

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FINISH LEGEND

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MILLWORK FINISHES

SSM-01	SOLID SURFACE
DESCRIPTION	ALKEMI ACRYLIC BELUGA 600
IOTE	1 1/2" THICKNESS. RESTROOMS
SSM-02 DESCRIPTION	SOLID SURFACE [QUARTZ] LG HIMACS URBAN CONCRETE
IOTE	1 1/2 THICKNESS. BREAK ROOMS / BOH WET COUNTERS
SSM-03 DESCRIPTION	SOLID SURFACE [QUARTZ] ICE STONE SAGE PEARL
IOTE	1 1/2 THICKNESS. SERVICE DESKS
PL-01	PLASTIC LAMINATE
MANUFACTURER	WILSONART
STYLE	7992-38
COLOR	PINNACLE WALNUT
SIZE MATERIAL	4' X 8' HIGH PRESSURE LAMINATE
NOTE	HPL - PREMIUM AEON FINISH WITH ANTIMICROBIAL PROTECTION; USE 3MM EDGE BANDING UNLESS UNAVAILABLE IN COORDINATING FINISH, THEN 2MM THICK IS ACCEPTABLE SUBSTITUTION.

PL-02 PLASTIC LAMINATE MANUFACTURER WILSONART STYLE CASUAL RUSTIC FINISH COLOR **GATHERING KNOT** SIZE 4' X 8' MATERIAL HIGH PRESSURE LAMINATE BREAK ROOM CABINETS; USE 3MM EDGE BANDING UNLESS NOTE UNAVAILABLE IN COORDINATING FINISH, THEN 2MM THICK IS ACCEPTABLE SUBSTITUTION. PL-03 PLASTIC LAMINATE MANUFACTURER WILSONART STYLE FINE VELVET FINISH

MANUFACTURER

WILSONART

STYLE

FINE VELVET FINISH

COLOR

BACKYARD PATIO Y0755-38

SIZE

4' X 8'

MATERIAL

HIGH PRESSURE LAMINATE

NOTE

USED AT B.O.H. COUNTERS W/O WATER; USE 3MM EDGE
BANDING UNLESS UNAVAILABLE IN COORDINATING FINISH, THEN
2MM THICK IS ACCEPTABLE SUBSTITUTION.

WINDOW TREATMENTS

WT-01	WINDOW TREATMENTS - SINGLE ROLL
MANUFACTURER	SPRINGS WINDOW FASHIONS
STYLE	3% OPENESS
COLOR	CROSSHATCH S300 IN STEEL GREY C8206
WEIGHT	
SIZE	
NOTE	MANUAL CORDED FUNCTION
WT-02	WINDOW TREATMENTS - DOUBLE ROLL
WT-02 MANUFACTURER	WINDOW TREATMENTS - DOUBLE ROLL SPRINGS WINDOW FASHIONS
MANUFACTURER	SPRINGS WINDOW FASHIONS
MANUFACTURER STYLE	SPRINGS WINDOW FASHIONS 3% OPENESS & BLACKOUT
MANUFACTURER STYLE COLOR	SPRINGS WINDOW FASHIONS 3% OPENESS & BLACKOUT
MANUFACTURER STYLE COLOR WEIGHT	SPRINGS WINDOW FASHIONS 3% OPENESS & BLACKOUT

OTHER MATERIALS

TLT-01	TOILET PARTITION
DESCRIPTION	BRADLEY ARIA OR BRADMAR PANELS IN CHARCOAL GRAY M248
NOTE	SEE SPECIFICATION MANUAL FOR PARTITION DETAILS
TLT-02	TOILET PARTITION
DESCRIPTION	BOBRICK SIERRA SERIES FOREST GREEN SC04
NOTE	SEE SPECIFICATION MANUAL FOR PARTITION DETAILS

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- 8. ALL LAMINATE CASEWORK TO HAVE 3MM EDGE BAND ON ALL EDGES, HEAVY DUTY DRAWER GLIDES, HIDDEN HINGES, WHITE MELAMINE INTERIORS OF ALL CABINETS, DRAWERS ETC. U.N.O.
- GC TO PROVIDE ALL CODE REQUIRED ROOM SIGNAGE, REFER TO GRAPHICS PACKAGE FOR WAYFINDING AND ENVIRONMENTAL GRAPHICS.
- 10. SEE ARCH SHEETS FOR ADDITIONAL ALLOWANCES FOR GRAPHIC ELEMENTS ETC.
- 11. FLOORING DETAILS, RE: SHEET A-500



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