



Project Directory

Poudre School District **Owner**

2445 Laporte Avenue
 Fort Collins, CO 80521
 Phone: (970) 490-3465
 Contact: Grey Gustafson
 Email: jgarretson@psdschools.com

TBD **General Contractor**

Address
 City, State, Zip
 Phone: #
 Contact: -
 Email: -

Larsen Structural Design **Structural Engineer**

320 Maple St., Suite 120
 Fort Collins, CO 80521
 Phone: (970) 568-3355
 Contact: Eric Richards
 Email: eric@larsend.com

Integrated Mechanical **M/P Engineer**

223 Linden St. Suite 204
 Fort Collins, CO 80524
 Phone: (970) 568-0570
 Contact: Josh Miller
 Email: Josh-M@int-mech.com

Project Issuance

No.	Description	Date
1	Permit	08-17-2021

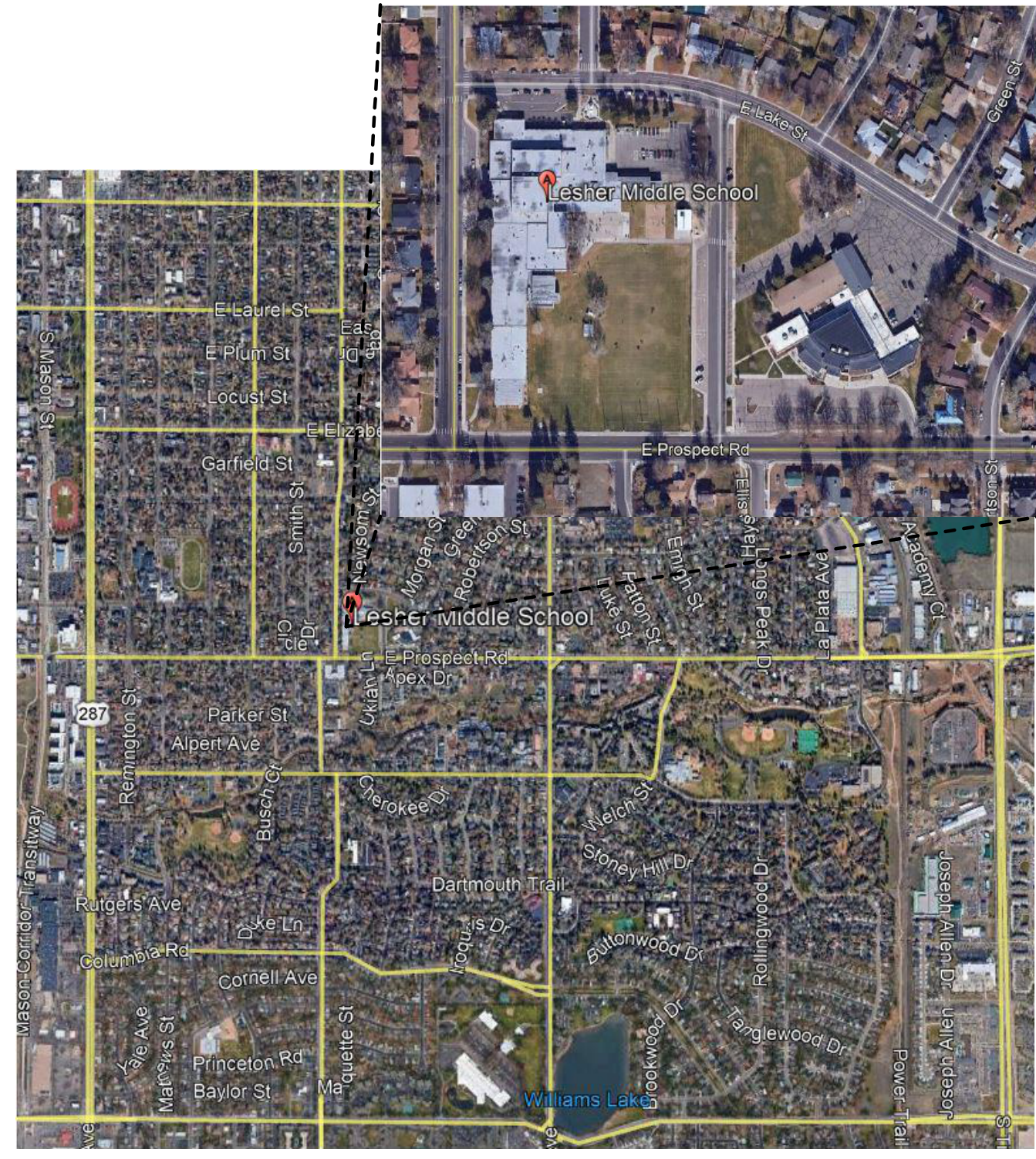


Poudre School District Leshler Art Room

1400 Stover Street
 Fort Collins, CO 80524

Permit
 08-17-2021

VICINITY MAP



SCOPE OF WORK

Project is intended to create a new art classroom by combining and renovating two existing administrative spaces within the school.

Scope of work includes limited demolition combining two admin rooms (300B and 300C) into a new art classroom. Project includes demolition of flooring, replacement of countertops, casework and plumbing and partial demolition of ceiling and replacement of ceilings. New LED lighting will be installed.

CODE ANALYSIS

CODE USED:

2015 International Building Code (IBC)
 Accessibility: ICC A117.1-2009
 2015 International Existing Building Code (IEBC)
 2015 International Mechanical Code (IMC)
 2015 International Plumbing Code (IPC)
 2015 International Energy Conservation Code (IECC)
 2015 International Fuel Gas Code (IFGC)
 2017 National Electrical Code (NEC)
 2015 International Fire Code

*All Chapters, Sections, and Tables referenced below are for the IBC, unless noted otherwise

CODE INFO:

Building Owner: Poudre School District
 Building Occupancy: E - Education
 Building Area: 86,760 CSF +/-
 Building Type: Type II-B
 Number of Stories: 1 story
 Building Height: Varies (no change)
 Fire Rated Assemblies: No Change
 Fire Protection: Sprinkled

Area of Work: 760 SF.
 Alteration Level: Level 2 - Per chapter 5, section 503 - 2015 IEBC

SHEET INDEX

Sheet Index		
Permit Issue-08/18/2021	Sheet Number	Sheet Name

- Architectural**
- AC Cover Page
 - A1.0 General Notes and Specifications
 - A1.1 Existing, Demo and New Construction Plans
- Structural**
- S1.1 Structural Notes, Plans and Details
- Plumbing**
- M0.1 Mechanical Notes, Legend and Index
 - M2.1 Mechanical Floor Plans, Schedules, Section and Isometric

DRAFTING SYMBOLS

ELEVATION TAG

Drawing Number: 1
 Drawing Scale: 3/4" = 1' - 0"
 Drawing Title: A3.1
 Drawing Scale: 3/4" = 1' - 0"
 Drawing Indicator: 1
 Drawing Number: A3.1
 Drawing Scale: 3/4" = 1' - 0"
 Drawing Title: A3.1
 Drawing Scale: 3/4" = 1' - 0"
 Drawing Indicator: 1
 Drawing Number: A3.1
 Drawing Scale: 3/4" = 1' - 0"

ROOM TAG

Room Name: XXX

DOOR TAG

Room Name: XXX

PARTITION TAG

Room Name: XXX

SHEET KEYNOTES

Room Name: XXX

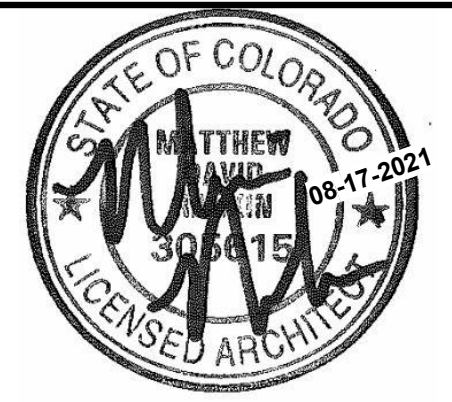
DRAWING INDICATOR

BUILDING/WALL SECTION

PARTITION TAG

ABBREVIATIONS

AB	Anchor Bolt	FBO	Furnish by Other	OAL	Overall length
AC	Acoustic Ceiling	FRT	Furnish by Tenant	Obs	Obscure
AD	Area Drain	FIO	Furnish and Install by others	OC	On Center
AFF	Above Finish Floor	FF	Finish Floor	OD	Outside Diameter
Alum	Aluminum	FA	Fire Alarm	OF-CI	Owner Furnish/Owner Install
Approx	Approximate	FACP	Fire Alarm Control Panel	OF-CI	Owner Furnish/Contractor Install
Arch	Architectural	FD	Floor Drain	OFF	Office
Asph	Asphalt	FON	Foundation	Ongng	Opening
Bd	Board	FE	Fire Extinguisher	Opp	Opposite
Bldg	Building	FEC	Fire extinguisher cabinet	Pid	Painted
Blk	Block	FHC	Fire hose cabinet	PC	Precast
Blk	Block	Fin	Finish	Plam	Plastic Laminate
BM	Bench mark	Flr	Floor	Plas	Plaster
BR	Bumper Rail	Flsh.	Flashing	Plywd	Plywood
Btm	Bottom	Floor	Fluorescent	PTD	Pressure Treated
Cab	Cabinet	FCC	Face of Concrete	PT	Partition
CB	Catch Basin	FOS	Face of Studs	PTD	Pressure Treated
CC	Center to Center	FOF	Face of finish	PTD	Pressure Treated
Cem	Cement	FT	Foot or feet	PTN	Partition
CI	Cast Iron	Fg	Footing	PTM	Paint to match
CJ	Control Joint	Fur	Furring	QT	Quarry Tile
Ckg	Caulking	GA	Gauge	R	Riser
Clg	Ceiling	Galv	Galvanized	Rad	Radius
Col	Columns Masonry Unit	GL	Glass	RD	Roof Drain
Conc	Concrete	Gnd	Ground	Ref	Refrigerator
Constr	Construction	GR	Grade	Relif	Reinforced
Cont	Continuous	Gysm	Gypsum	Req	Required
Cot	Couplet	CWb	Gypsum Wall Board	Resilient	Resilient
CT	Ceramic Tile	GC	General Contractor	RM	Room
Ctr	Center	HC	Hose Bib	RO	Rough Opening
DBt	Double	Howd	Hardwood	RDW	Retwood
Ddept	Department	HWd	Hardware	Rfg	Roofing
DF	Drinking Fountain	Horzt	Horizontal	S	South
DI	Detail	Hght	Height	SC	Solid Core
Dim	Dimension	HWH	Hot water heater	Sched	Schedule
Dim Pt	Dimension Point	IBO	Installation by others	Sect	Sections
Disp	Dispenser	IBC	Installation by contractor	Shw	Shower
DN	Down	ID	Inside Diameter	SH	Sheet
Dr	Door	INS	Installation	SV	Sheet Vinyl
DS	Downspout	Int	Interior	Sim	Similar
Dwg	Drawing	Jan	Janitor	SND	Sanitary Napkin Dispenser
E	East	JT	Joint	Sq	Square
Ea	Each	Kit	Kitchen	SS	Stainless Steel
EJ	Expansion Joint	Lab	Laboratory	STA	Station
Elec	Electrical	Lam	Laminiate	Std	Standard
Emer	Emergency	Ls	Landscape	Stor	Storage
Encl	Enclosure	LI	Light	Struc	Structural
EP	Electrical Panel	LW	Lightweight	Susp	Suspended
Equip	Equipment	Mas	Masonry	Sym	Similar or Symmetrical
EWC	Electric Water Cooler	Matl	Material	S&V	Stain and Varnish
Exist	Existing	Mec	Mechanical	STM	Stain to match
Exp	Expansion	Max	Maximum	TB	Towel Bar
Ext	Exterior	Mch	Mechanical	TCb	Top of Curb
EW	Each Way	Mt	Metal	Tel	Telephone
		Mfr	Manufacturer	Terr	Terrazzo
		MH	Manhole	TH	Threshold
		Misc	Miscellaneous	Vol	Volume
		MO	Masonry Opening	Wd	Wood
		N	North	Wgt	Weight
		NIC	Not in contract		
		#	Number		
		Nom	Nominal		
		NTS	Not to scale		



In Association with:

Poudre School District	Owner
2445 Laporte Avenue Fort Collins, CO 80521 Phone: (970) 490-3465 Contact: Grey Gustafson Email: jgarretson@psdschools.com	
TBD	General Contractor
Address City, State, Zip Phone: # Contact: - Email: -	
Larsen Structural Design	Structural Engineer
320 Maple St., Suite 120 Fort Collins, CO 80521 Phone: (970) 568-3355 Contact: Eric Richards Email: eric@larsend.com	
Integrated Mechanical	M/P Engineer
223 Linden St. Suite 204 Fort Collins, CO 80524 Phone: (970)558-0570 Contact: Josh Miller Email: Josh-M@int-mech.com	

General Requirements

1. Refer to the Poudre School District Tech Specs available from the Owner for all specification divisions.
2. The General Contractor is responsible for checking all contract documents, field conditions and dimensions for accuracy and confirming that the work is buildable as shown before proceeding with construction. Upon finding any discrepancies the Architect shall be notified in writing prior to commencing construction.
3. The General contractor shall be responsible for notifying the Architect immediately should any discrepancies be found in the drawings and specifications.
4. All users of the drawings contained within shall review the general notes completely, it is the user's responsibility to know and adhere to these requirements.
5. Drawings and specifications are separated into disciplines for the convenience of the Architect and contractor. The separations used within the following documents are used only for convenience and reference purposes and in no way do they define or limit the scope or intent of any part of the drawings and specifications.
6. Where discrepancies exist between or within standards, specifications, and drawings, the more stringent or higher quality requirements shall apply. The precedence of the Construction Documents is in the following sequence.
 - A. Addenda and modifications to the drawings and specifications take precedence over the original construction documents.
 - B. Should there be a conflict within the specifications or on the drawings, the Architects shall decide which stipulation will provide the best installation and his decision shall be final.
 - C. Should a conflict arise between the drawings and the specifications, the written specifications shall have precedence over the drawings.
 - D. In the drawings, the precedence shall be drawings of a larger scale over those of a smaller scale, figured dimensions over scaled dimensions, and noted materials over graphic indications.
7. Typical (Typ.) means for all similar conditions throughout the project unless noted otherwise. Every effort has been made to develop and coordinate the following documents between all disciplines to define the work in the most logical locations to reduce redundant information and conflicts. Scope of work is defined throughout the set of documents and specifications. The user must review and understand the construction documents in their entirety to define a scope of work.
9. All trades to comply with all applicable local, state, health, safety codes, ordinance, requirements etc. and provide acceptable materials and workmanship to current industry standards. Contractor is solely and completely responsible for conditions of the job site, including safety, protection of property and the like during the performance of the work.
11. Provide facing at all thermal and sound insulation materials where exposed in a return air plenum as required.
12. Drawings and specifications shall be considered complementary and items located in any locations shall be considered as a requirement for construction. In the event of conflicting or inconsistent information the contractor shall identify the conflict and request written clarification from the Architect.
13. Mechanical, Electrical and Plumbing drawings are diagrammatic and the General Contractor shall fully coordinate the locations of all equipment with the Architectural and Structural drawings including but not limited to shafts, chases, penetrations, etc.
14. The contractor is responsible for visiting the site and becoming familiar with site access, storage opportunities, staging space, and other like means & methods prior to providing completed bid.
15. Contractors and all sub-contractors shall field verify all dimensions prior to fabrication and/or ordering of materials.
16. Prior to beginning any construction or mobilizing construction activities the contractor shall walk through, inspect and document all existing conditions in place. The contractor shall be responsible for all repairs and replacement of items damaged during construction. Review the general notes on all drawing sheets for information related to the specific plans and details on those sheets.
17. At locations stated to "Align" the location of different components of construction shall be constructed to provide a flush finish surface.
18. Where labeled "Verify" the General Contractor shall review the identified item in the field prior to proceeding with work, fabrication, or ordering of materials.
19. Where labeled "Verify" the General Contractor shall review the identified item in the field prior to proceeding with work, fabrication, or ordering of materials.

Drawings and Documents

1. Do not scale drawings. Dimensions govern and large scale drawings govern over lesser scale drawings.
2. All dimensions are to: unless noted otherwise (UNO)
 - A. Face of Masonry or concrete
 - B. Face of stud
 - C. Exterior face of sheathing on exterior walls only
 - D. Face of mullion
3. Dimensions indicated clear (CLR) are to finish face and should be held.
4. The General Contractor shall be responsible for reviewing all field conditions and dimensions for accuracy. Where discrepancies are discovered notify the Architect prior to proceeding with any work.
5. All doors shall be located 4" off adjacent CMU, wood or metal stud wall unless dimensioned otherwise on the plan.

Blocking/Backing

1. The GC is responsible to coordinating all locations that require blocking/backing for proper installation. FR blocking only.
2. Refer to code review and construction type prior to installation of wood blocking/backing.
3. Items that require blocking/backing shall include but not limited to ADA grab bars, toilet & sink accessories, shelving, casework, menu boards, fixtures, art, etc.

Permits

1. The Owner shall be responsible for obtaining and paying for all the required permits. The General Contractor shall be responsible for all inspections and third party testing required by local jurisdictions and/or building department.

Shop Drawings

1. The General Contractor shall provide the Architect with a list of all anticipated shop drawings for review by the Architect and determination of required review and approvals.
2. Shop drawings shall clearly represent the items and/or materials with items proposed clearly and completely identified for review.
3. The General Contractor shall review shop drawings of shop fabricated items, building materials with specific warranty requirements, and other shop drawings identified in approved list provided to the Architect prior to furnishing to the Architect. Shop drawings shall be submitted to the Architect for review in electronic PDF format within a single combined file.

Product Substitution

1. Submission of a substitution request by the contractor shall be submitted to the Architect in written form along with **product specifications marked and/or highlighted up with alternative material(s) being proposed of equal or higher quality.**
2. **Contractor Representation:** By making Request for Substitution, the contractor represents it has investigated proposed product and has determined that it is equal to or superior in all respects to specified product. The contractor also agrees to provide same warranty for substitution as for specified product, and, if substitutions are accepted, Contractor will coordinate installation of accepted substitute, making such changes as may be required for Work to be complete in all respects, and that contractor waives claims for additional costs related to substitution which may later become apparent. By making Substitution Request the contractor represents that, if substitution and bid are accepted, and if substituted products do not meet or exceed above requirements, whether before, during, or after incorporation into Work, Contractor shall, at no additional cost to Owner, replace substituted products with products originally specified.

○ General Notes
 12" = 1'-0"

CASEWORK
Division 6 - See Poudre Tech Specs 2.01 Manufacturers
<ol style="list-style-type: none"> 1. Charles Moffet Cabinet Makers 2. Danish Craftsmen 3. John Murphy Millworks 4. LA Woodworks 5. LSI Corporation of America 6. Sidney Millwork. 7. Stevens Cabinet Company 8. TMI Systems Design 9. Woodmasters, LLC 10. Others as approved
Refer to Poudre School District Tech Specs Division 6 Woods and Plastics for remainder of specs.
PAINTING
Approved Manufacturers: Diamond Vogel Approved equal
Interior Surfaces:
<ol style="list-style-type: none"> i. Concrete Block - Two finish coats over an undercoat and a filled surface. <ol style="list-style-type: none"> a. Block Filler: High performance latex-based block filler applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness not less than 5.0 mils. Apply in two coats to permit identification and correction of CMU surface irregularities, pinholes not filled and the like after the first coat. <ol style="list-style-type: none"> 1. Prime all un-primed / bare block surfaces with BF-1515 Dic Pro Block Filler b. First and Second Coats: InteriorZero Plus Semi-Gloss paint DS-1685 (Color: Match existing) for all painted surfaces in the kitchen areas. ii Gypsum Board: <ol style="list-style-type: none"> a. Primer: White, interior, latex-based primer, total dry film thickness not less than 1.2 mils. <ol style="list-style-type: none"> 1. DU-1507 Pro Max Primer b. First and Second Coats: Interior Zero Plus Semi-Gloss paint. (Color: By Owner).
BASE
<ol style="list-style-type: none"> 1. FS SS-W-40 Rubber; top set coved: <ol style="list-style-type: none"> A. R.C. Musson Rubber Company. B. Roppe Rubber Corporation. C. Burke Industries. D. Johnstone. E. Approved Equal. 2. Height: 4 inch or to match existing 3. Thickness: 0.125 thick. 4. Finish: Matte. 5. Length: 4 foot sections. 6. Colors: Match existing building standard. 7. 1/8 inch thickness x 4 inches high. 9. Use topset cove base at all resilient flooring and carpeted locations. 10. Use solid rubber Roppe base. No vinyl base allowed. 11. Carpet base considered at certain locations. 13. INSTALLATION <ol style="list-style-type: none"> A. Fit joints tight, straight and vertical. Maintain minimum measurement of 1 foot 6 inches between joints. B. Miter internal corners. External corners shall be job formed - no joints within 2 feet of corner edge. C. Install base on solid backing. Bond tight to wall and floor surfaces. D. Scribe and fit to protruding door frames and other interruptions.

Issued		
No.	Description	Date
1	Permit	08-17-2021

Lesher Art Room

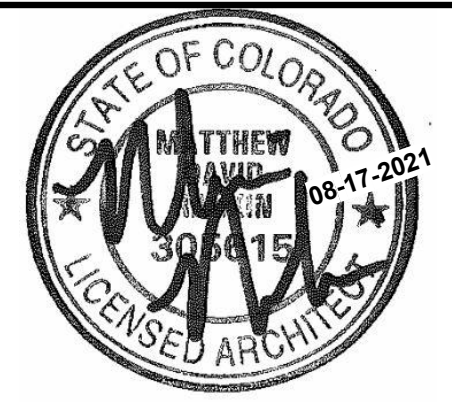
Permit

Project No.: Project Number Drawn by: Author
 Reviewed by: Checker

General Notes and Specifications

Scale Accordingly if Reduced

Drawing Number
A1.0



In Association with:
Poudre School District Owner

2445 Laporte Avenue
 Fort Collins, CO 80521
 Phone: (970) 490-3465
 Contact: Grey Gustafson
 Email: jgarretson@psdschools.com

TBD General Contractor

Address:
 City, State, Zip
 Phone: #
 Contact: -
 Email: -

Larsen Structural Design Structural Engineer
 320 Maple St., Suite 120
 Fort Collins, CO 80521
 Phone: (970) 568-3355
 Contact: Eric Richards
 Email: eric@larsend.com

Integrated Mechanical M/P Engineer
 223 Linden St., Suite 204
 Fort Collins, CO 80524
 Phone: (970) 558-0570
 Contact: Josh Miller
 Email: Josh-M@int-mech.com

Issued

No.	Description	Date
1	Permit	08-17-2021

Lesher Art Room

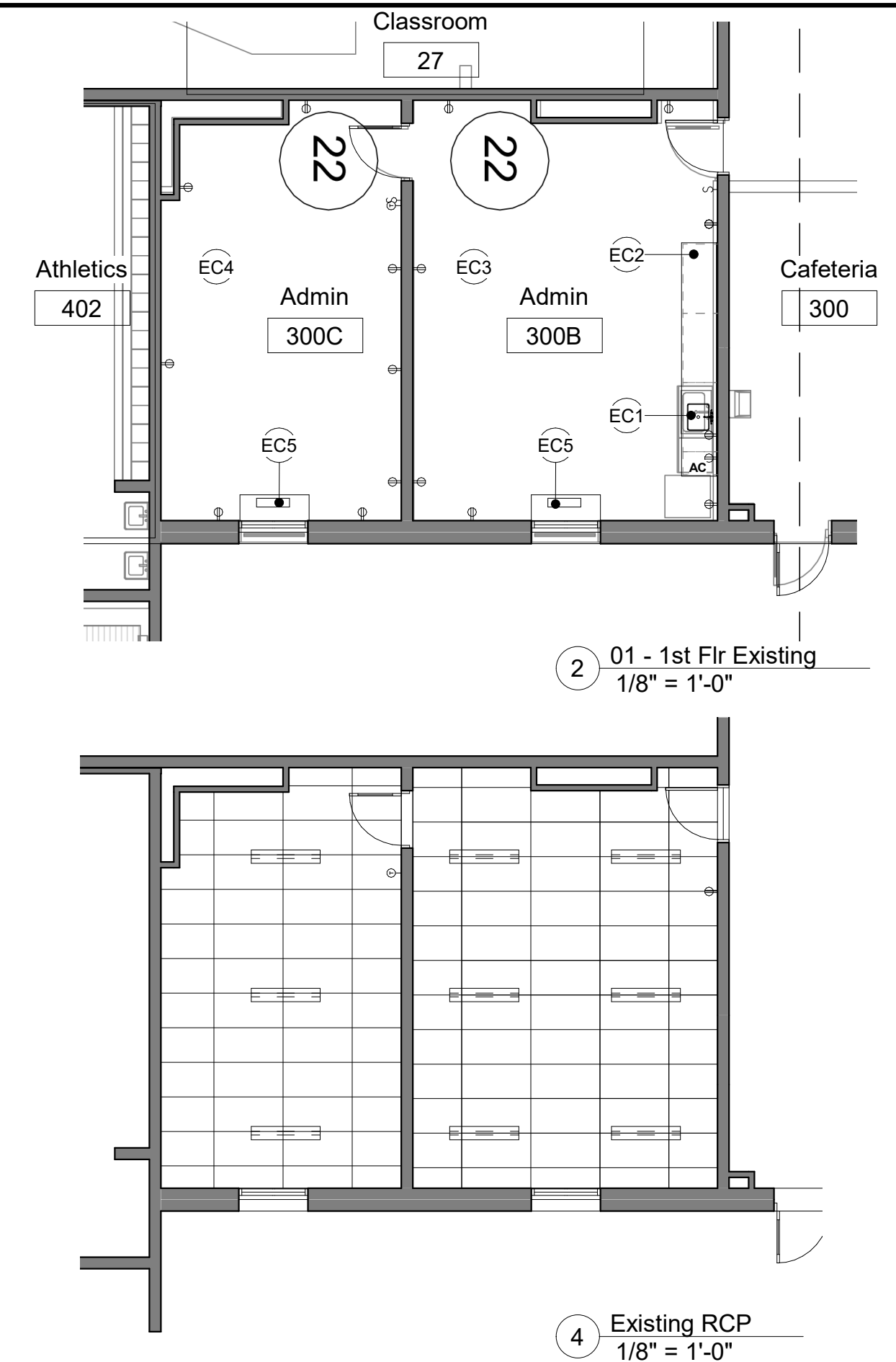
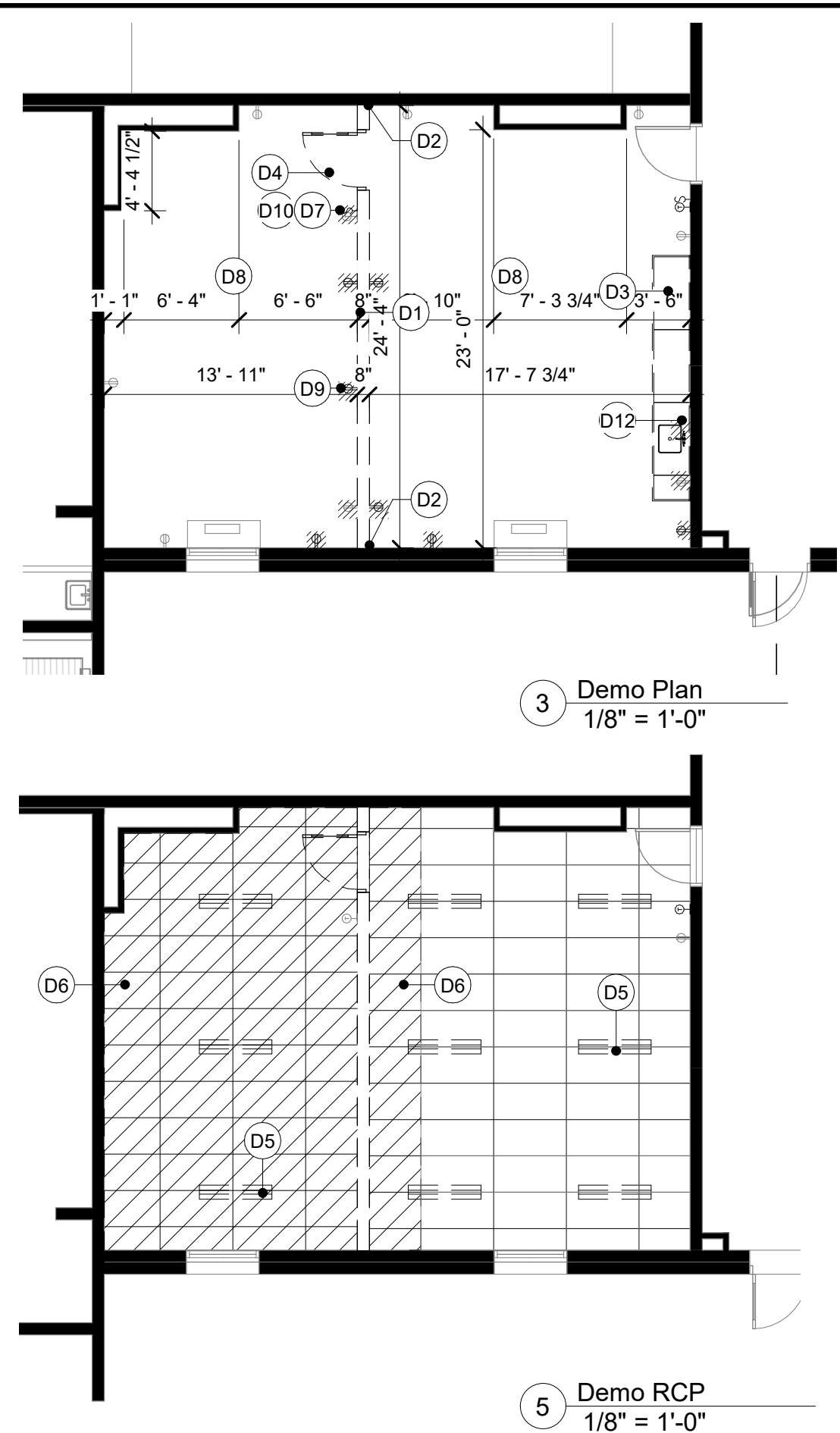
Permit

Project No.: Project Number
 Drawn by: MR
 Reviewed by: MR

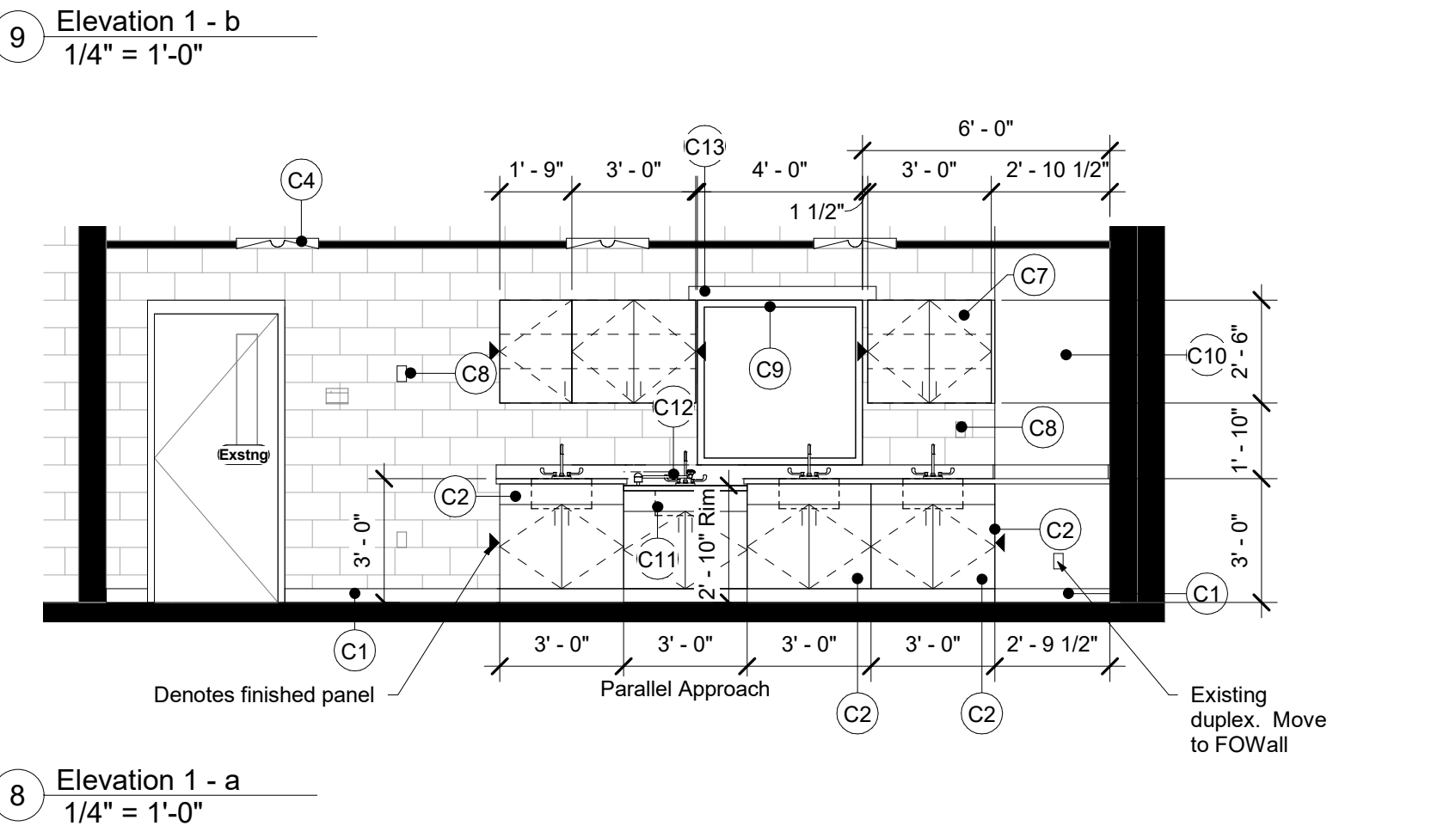
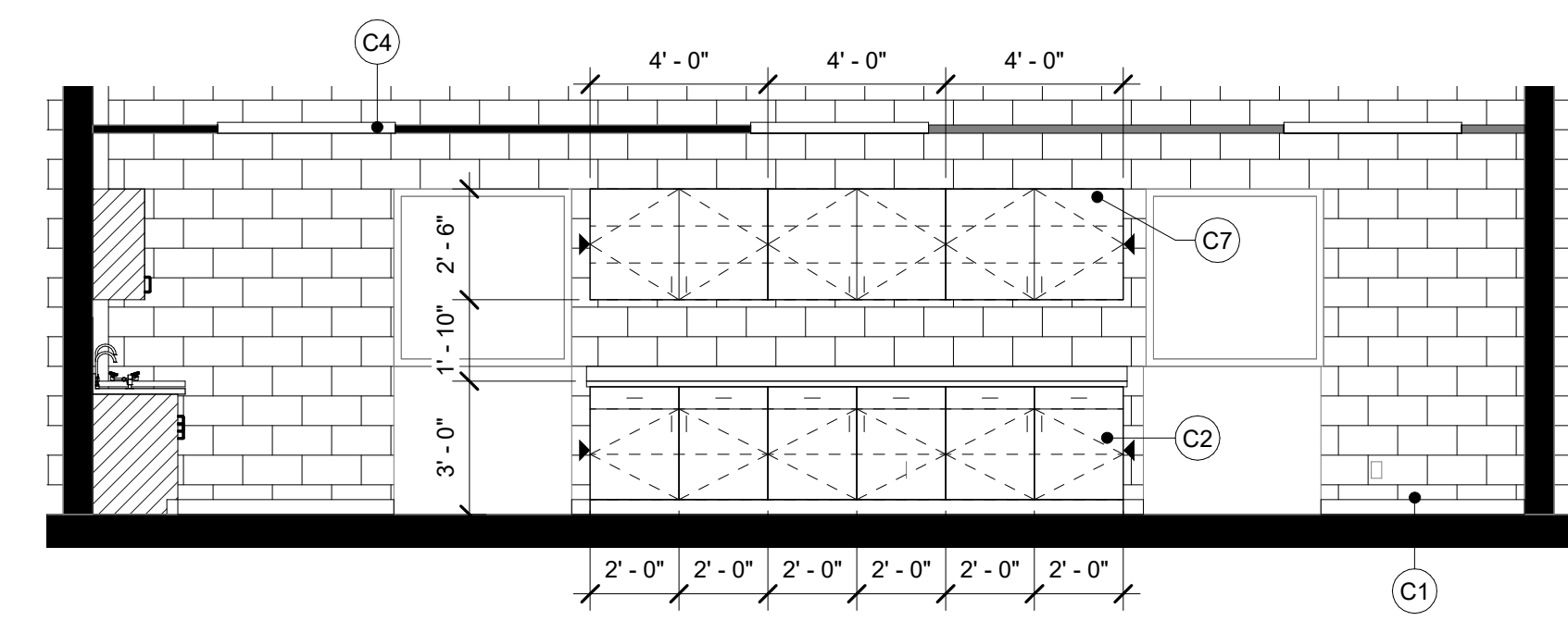
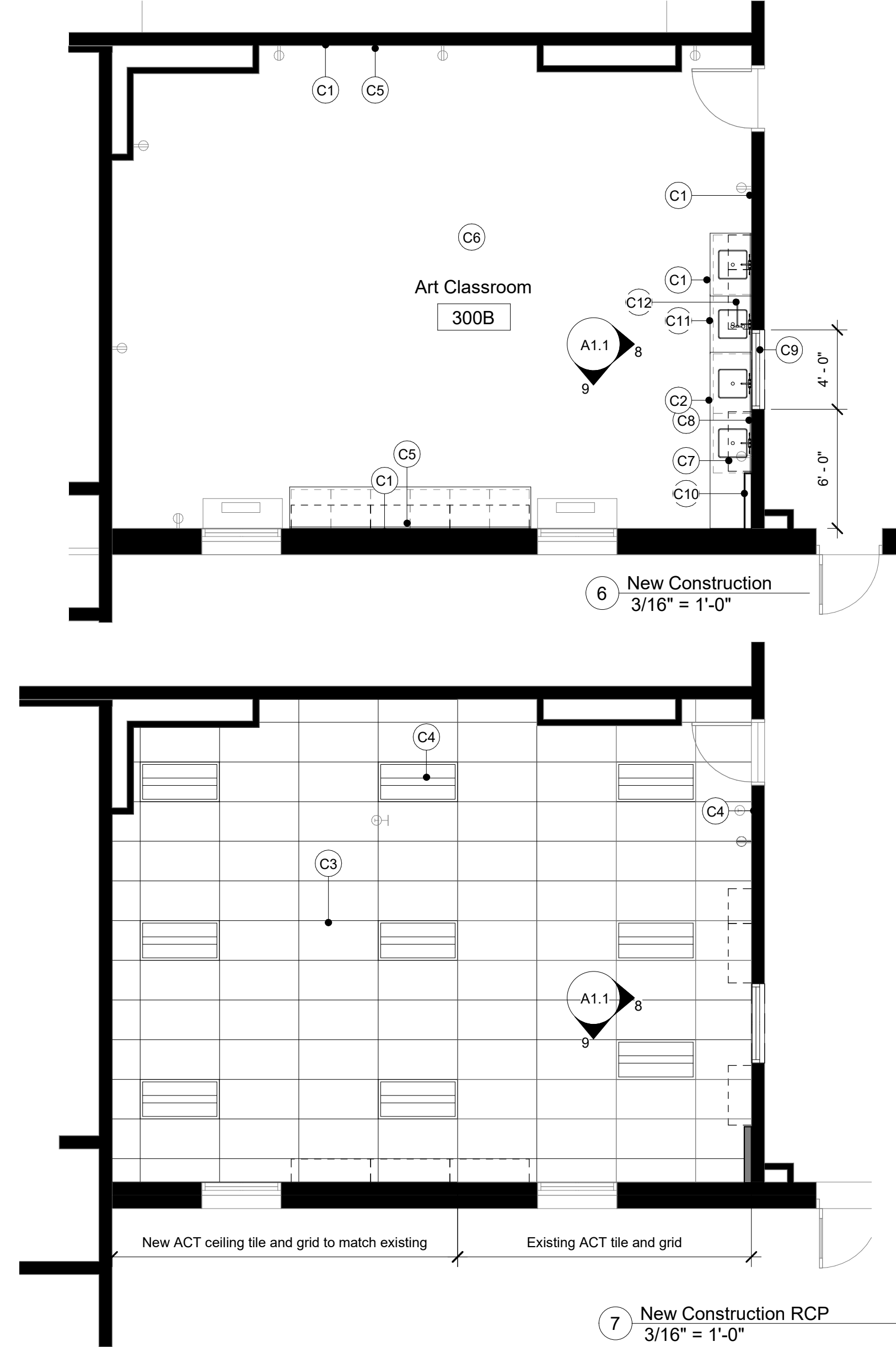
Existing, Demo and New Construction Plans

Scale Accordingly if Reduced

Drawing Number
A1.1



Keynote Legend	
Key Value	Keynote Text
C1	Install new 4" Vinyl base throughout room. Extend to rear wall at forward approach accessible sink.
C2	New laminate sink base and base cabinets under new solid surface countertop w/ 1-1/2" return. Refer to casework Tech Specifications for manufacturers and hardware. Provide 3mm Dolken PVC edgebanding at all doors and drawers. Color by Owner. Provide 4" backsplash (6" at accessible sink).
C3	New grid and ACT ceiling tile to match existing.
C4	New LED 2x4 lighting to match PSD standard. Switch to existing Admin 300B circuit.
C5	Prime and paint CMU per paint specifications. Color by Owner. Note, entire wall shall be painted to inside corners.
C6	Grind exposed concrete and clean of all debris, grease, oils and mastics. Fill all cracks with SikaFlex to match concrete color and polished concrete floor surface with Low VOC sealer for high duty traffic.
C7	New 14" deep laminate upper cabinets with melamine shelves. Provide 3mm Dolken PVC edgebanding at all doors. Color to match base cabinets.
C8	Maintain existing outlets locations above and below counters. Convert to GFCI devices above counter. Coordinate w/ new casework.
C9	Nominal 4'-0" x 4'-0" 18Ga. hollow metal frame with 7-3/4" profile (adjust for opening and header). Provide 1/4" clear, tempered glazing. Set in new cut opening w/ masonry anchors. Refer to structural drawings for header. Provide paintable perimeter sealant. Paint to match adjacent.
C10	FRP plastic liner panels (.090 thick; 4'x8', Class C with textured finish. Provide full height w/ integral vinyl moldings at joints, corners and terminations. Provide panel adhesive approved by the manufacturer. Color selection by Owner. FRP panel shall be installed over 5/8" GWB and 6" 25ga stud framing. FOSTud at 6" off wall. Run new water supply through wall and at back of cabinetry box.
C11	Parallel approach accessible sink location. Provide undermount sink in solid surface countertop @ 34" max. Provide backsplash to match adjacent. Insulate all exposed piping.
C12	Emergency Eyewash, deck mounted. Refer to plumbing drawings for spec.
C13	Painted structural header in non-load bearing masonry wall. Refer to structural drawings. Coordinate window RO w/ header.
D1	Demo existing CMU demising wall shown dashed. Wall is non-loadbearing.
D2	Take care in wall demolition with existing walls. Wall should be cleaned of all mortar. Patch/repair if necessary.
D3	Demo sink, garbage disposal, DWH, counter top and base cabinets. Catalogue and present to Owner. If Owner does not wish to salvage items, distribute to Habitat for Humanity or dispose of in proper way.
D4	Demo existing door, frame and hardware. Salvage for Owner re-use or dispose at Owner's direction.
D5	Demo existing surface mounted ceiling lighting.
D6	Demo existing ceiling and track in room 300C. Demo ceiling and grid to 1st N/S poche in room 300B. Salvage tile and grid for re-use under new construction. Demo tile and grid shown w/ diagonal poche.
D7	Demo existing light switch Admin 300C only. Connect new lighting to existing Admin 300B lighting control under new construction.
D8	Demo existing flooring. Note: Owner shall test and abate asbestos if present prior to commencement of work. GC to grind and polish existing concrete floor under new construction. Seal with penetrating sealer for high traffic use.
D9	GC shall completely remove and dispose of all electrical switches, disconnects, lighting fixtures and other associated items as required for new construction UON. All existing branch circuits that are not reused shall be removed as complete as possible. Where an existing device is shown removed from an existing circuit, new wiring shall be provided as required to insure continuity of existing circuits. All surface mounted backboxes, conduit, wireway, junction boxes etc. not being reused, shall be removed in their entirety. All recessed backboxes, junction boxes shown removed shall be abandoned in place and covered with SS cover plates. All recessed conduit shall be abandoned in place and capped off in a suitable manner per local inspectors requirements.
D10	Demo existing thermostat. Coordinate controls with 300B thermostat.
D12	Demo existing UC duplex outlet, vent stack and cold water stub in wall below cabinet. Refer to plumbing drawings for relocation into furred wall under new construction. Coordinate water supply and waste at back of cabinet with cabinetry.
EC1	Existing sink, DWH and garbage disposal in sink base cabinet. See demo plan for removal.
EC2	Existing laminate counter top and base cabinets.
EC3	Existing carpet tile flooring to be demolished.
EC4	Existing VCT. Note: Owner to test and abate if positive for asbestos.
EC5	Existing mechanical to remain.



1 Area of Work
 1" = 50'-0"



In Association with:
Poudre School District **Owner**

2445 Laporte Avenue
 Fort Collins, CO 80521
 Phone: (970) 480-3465
 Contact: Grey Gustafson
 Email: jgarretson@psdschools.com

TBD **General Contractor**

Address:
 City, State, Zip
 Phone: #
 Contact: -
 Email: -

Larsen Structural Design **Structural Engineer**

320 Maple St., Suite 120
 Fort Collins, CO 80521
 Phone: (970) 568-3355
 Contact: Eric Richards
 Email: eric@larsensd.com

Integrated Mechanical **M/P Engineer**

223 Linden St., Suite 204
 Fort Collins, CO 80524
 Phone: (970) 558-0570
 Contact: Josh Miller
 Email: Josh-M@int-mech.com

Issued

No.	Description	Date
1	Permit	08-17-2021

Lesher Art Room

Permit

Project No.: Project Number Drawn by: **ELR**
 Reviewed by: **BRL**

Structural Notes, Plans and Details

Scale Accordingly if Reduced

Drawing Number

S1.1

STRUCTURAL GENERAL NOTES

Project: Lesher Art Room
 Larsen Structural Design Job Number: 2463.2

DESIGN LOADS:

International Building Code: IBC 2021 Edition, except as noted
 Risk Category: Table 1604.5 III Substantial Risk to Human Life

STRUCTURAL STEEL:

Structural steel shall be detailed, fabricated, and erected in accordance with the "Specification for Structural Steel Buildings" (AISC 360-16) and the "Code of Standard Practice for Steel Building and Bridges" (AISC 303-16), by the American Institute of Steel Construction (AISC).
 Structural steel wide flange beams shall conform to ASTM A992.
 Other rolled shapes, including plates, channels, and angles shall conform to ASTM A36.
 Hollow structural section (HSS) tube shapes shall conform to ASTM A500, Grade B, 46 ksi yield.
 Pipe shapes shall conform to ASTM A53 Grade B.
 Except as noted, framed beam connections shall be bearing-type with 3/4" diameter, snug tight, A325-N bolts, detailed in conformance with the Structural Drawings and the "Steel Construction Manual" by AISC, 15th Edition. Install bolts in accordance with AISC "Specification for Structural Joints Using ASTM A325 or A490 Bolts", 2004.
 Anchor rods shall conform to ASTM F1554, Grade 36 (or high strength Gr 55 or Gr 105 as noted), with weldability supplement S1.
 Welding shall be done by a certified welder in accordance with AISC and AWS specifications and recommendations using E70- electrodes. Where not specifically noted, minimum weld shall be 3/16" fillet by length of contact edge.

LETTERS OF CONSTRUCTION COMPLIANCE:

The General Contractor shall determine from the local building official at the time the building permit is obtained whether any letters of construction compliance will be requested from the Structural Engineer.
 The Contractor shall notify the engineer about all such requirements in writing before the start of construction.
 One-week advance notice shall be given when requesting site visits necessary as the basis for the compliance letter.

INSPECTIONS AND REVIEWS:

All site soils related work and footing excavations prior to placing forms, as well as site drainage, shall be reviewed by the project geotechnical engineer.
 Normal reviews by Local Building Department.
 Notify 48 hours prior to required review.

Required special inspections per I.B.C. Section 1705 by an approved special inspector retained by owner:
 * Steel: Periodic and continuous inspections of steel frame joint details. Refer to Section 1705.2 and Table 1705.2.2 of the I.B.C. and Tables N5.4-1 thru N5.4-3 and N5.6-1 thru N5.6-3 of the AISC 360-16.

Approved agencies shall provide written documentation to the building official demonstrating the competence and relevant experience or training of the special inspectors who will perform the special inspections and testing prior to and during construction as required per IBC 2018 Section 1704.2.1.

Duties and responsibilities of the special inspector shall be to observe and/or test the work assigned and outlined above for conformance with the approved construction documents. All discrepancies shall be brought to the immediate attention of the contractor for correction.

The special inspector shall furnish regular reports to the building official, the engineer and architect of record, and other designated persons. Progress reports for continuous inspection shall be furnished weekly. Individual reports of periodic inspections shall be furnished within one week of inspection dates. The reports shall note uncorrected deficiencies, correction of previously reported deficiencies, and changes to the approved construction documents authorized by engineer of record.

The special inspector shall submit a final signed report within 10 days of the final special inspection stating whether the work requiring special inspection was, to the best of the inspector's knowledge and belief, in conformance with the approved construction documents and the applicable workmanship provisions of the International Building Code. Work not in compliance shall be noted in the report.

FIELD VERIFICATION OF EXISTING CONDITIONS:

Contractor shall thoroughly inspect and survey existing structure to verify conditions that affect the work shown on the drawings.
 Contractor shall report any variations or discrepancies to the Architect before proceeding.

Contract documents have been prepared using limited site observations.
 During construction, the contractor may encounter existing conditions which are not now known or are variance with project documentation (discovery). contractor shall notify the engineer of all conditions not per the contract Documents. examples include:

- sizes or dimensions other than those shown.
- damage or deterioration to materials or components.
- conditions of instability or lack of support.

Items noted as existing on the drawings but not found in the field include, but are not limited to:
 Contractor shall prepare dimensional drawings of all discovered items.
 Contractor shall field verify all existing structural conditions prior to submitting shop drawings.
 Contractor shall make allowance for the resolution of such discoveries in the construction schedule.

STRUCTURAL ERECTION AND BRACING REQUIREMENTS:

The structural drawings illustrate the completed structure with elements in their final positions, properly supported and braced.
 These construction documents contain typical and representative details to assist the contractor.

Details shown apply at all similar conditions unless otherwise indicated.
 Although due diligence has been applied to make the drawings as complete as possible, not every detail is illustrated, nor is every exceptional condition addressed.
 All proprietary connections shall be installed in accordance with the manufacturers' recommendations.
 All work shall be accomplished in a workmanlike manner and in accordance with the applicable code and local ordinances.

The general contractor is responsible for coordination of all work, including layout and dimension verification, materials coordination, shop drawing review, and the work of subcontractors.
 Any discrepancies or omissions discovered in the course of the work shall be immediately reported to the architect for resolution.

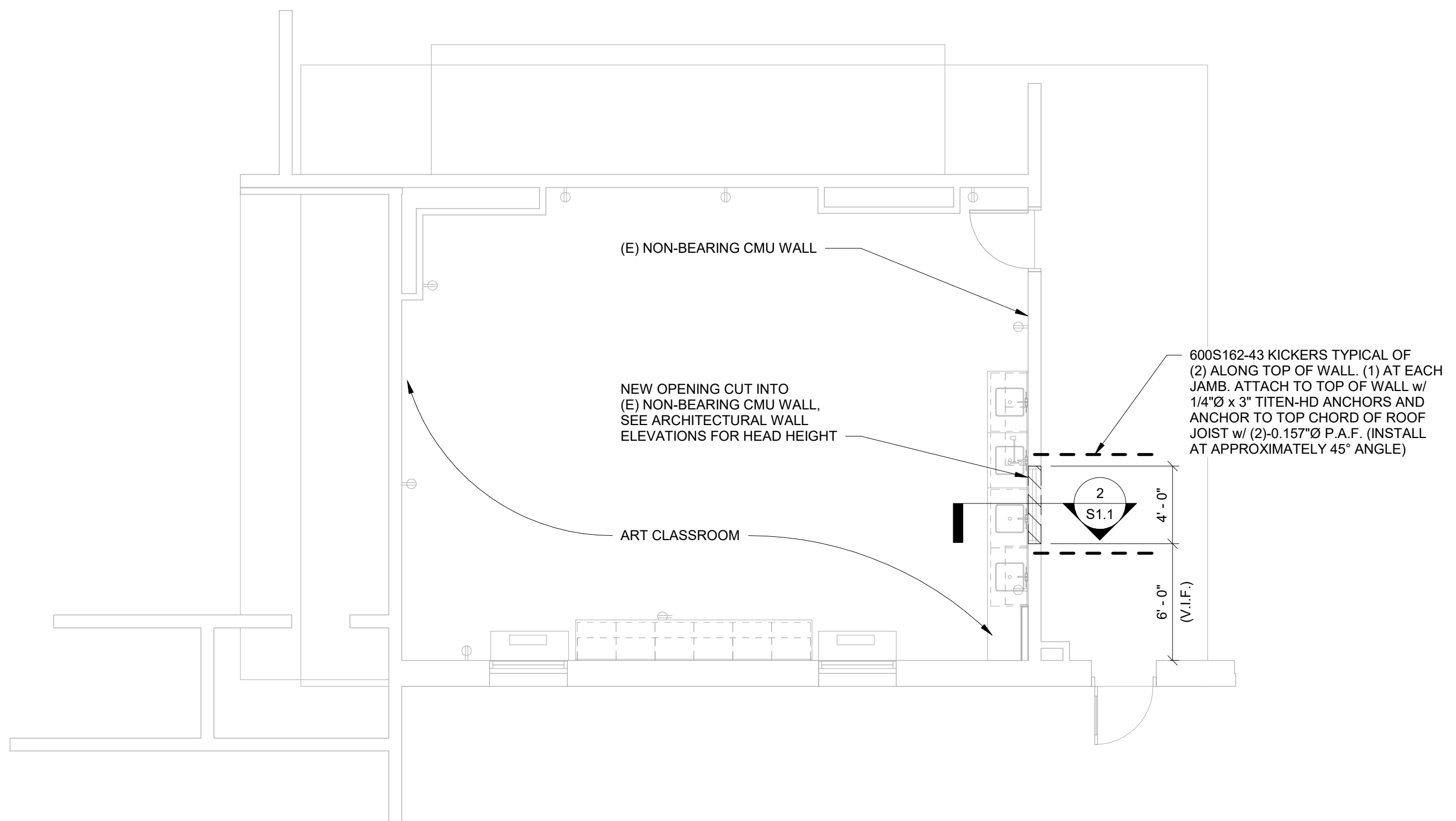
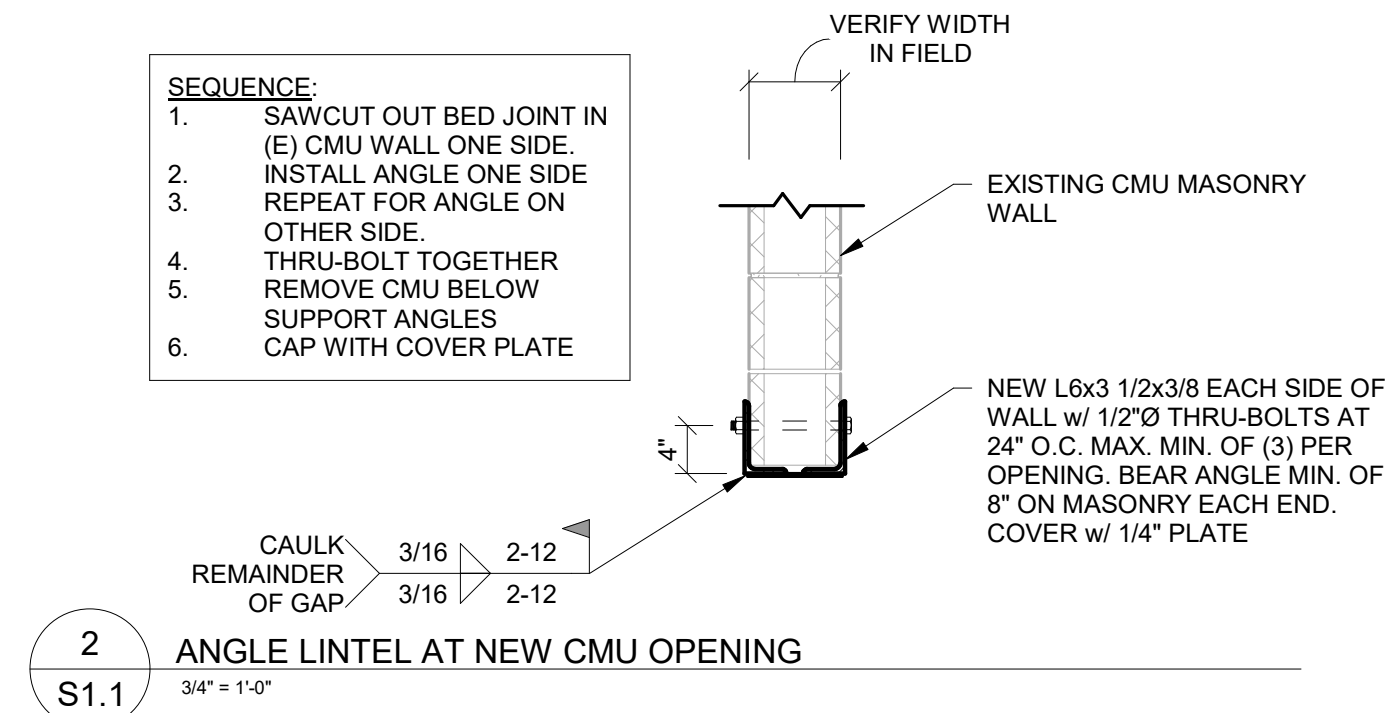
Continuation of work without notification of discrepancies relieves the architect and engineer from all consequences. Unless otherwise specifically indicated, the drawings do not describe methods of construction.
 The contractor, in the proper sequence, shall perform or supervise all work necessary to achieve the final completed structure, and to protect the structure, workmen, and others during construction.

Such work shall include, but not be limited to, bracing, shoring for construction equipment, shoring for excavation, formwork, scaffolding, safety devices and programs of all kinds, support and bracing for cranes and other erection equipment.

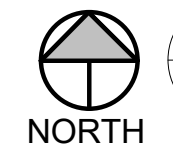
Do not backfill against basement or retaining walls until supporting slabs and floor framing are in place and securely anchored, unless adequate bracing is provided.
 Temporary bracing shall remain in place until all floors, walls, roofs and any other supporting elements are in place.
 The architect and engineer bear no responsibility for the above items, and observation visits to the site do not in any way include inspection of them.

Precautionary Notes on Structural Behavior:

- A. Interior finish detailing must accommodate the differentials in relative movement of supporting structures.
- B. Roof spans are quite long, and applied loading naturally causes substantial deflection. Interior elements hung from the roof will deflect with the roof.
- C. The floor is a structural slab on steel deck and will have movement during the placement of concrete during construction. The concrete deck may not be uniform across structure as a result.
- D. Exterior wall assembly is hung from the edge of the building structure and is directly affected to some degree by changes in external temperature and floor or roof deflection. Finish details should allow for relative movement between elements with different support conditions.



1 S1.1 New Construction Floor Plan
 3/16" = 1'-0"



EXHAUST FAN SCHEDULE

NUMBER	MAKE & MODEL NUMBER	TYPE	DUTY	CFM	FAN SPEED	EXT. STATIC	MOTOR HP/W	SONES	DRIVE TYPE	SPEED CONTROL	GRILLE TYPE	HOUSING CONST.	CONTROL	ELEC DATA	REMARKS
EF-1	LOREN COOK GCVF-700	CEILING EXHAUST CABINET	EXHAUST	510	1,348 RPM	0.3"	78.2 W	4.0	DIRECT	EC	STEEL	GALV	(A)	120/1	(1) (2)

(1) GRAVITY BACKDRAFT DAMPER (2) EC MOTOR WITH INTEGRAL SPEED CONTROL (4) LOREN COOK PR12 CURB MOUNT ROOF CAP
 (A) ON DURING OCCUPIED PERIODS VIA 120v DIGITAL TIME CLOCK - FURNISHED AND CONTROLLED BY MC, INSTALLED BY EC.

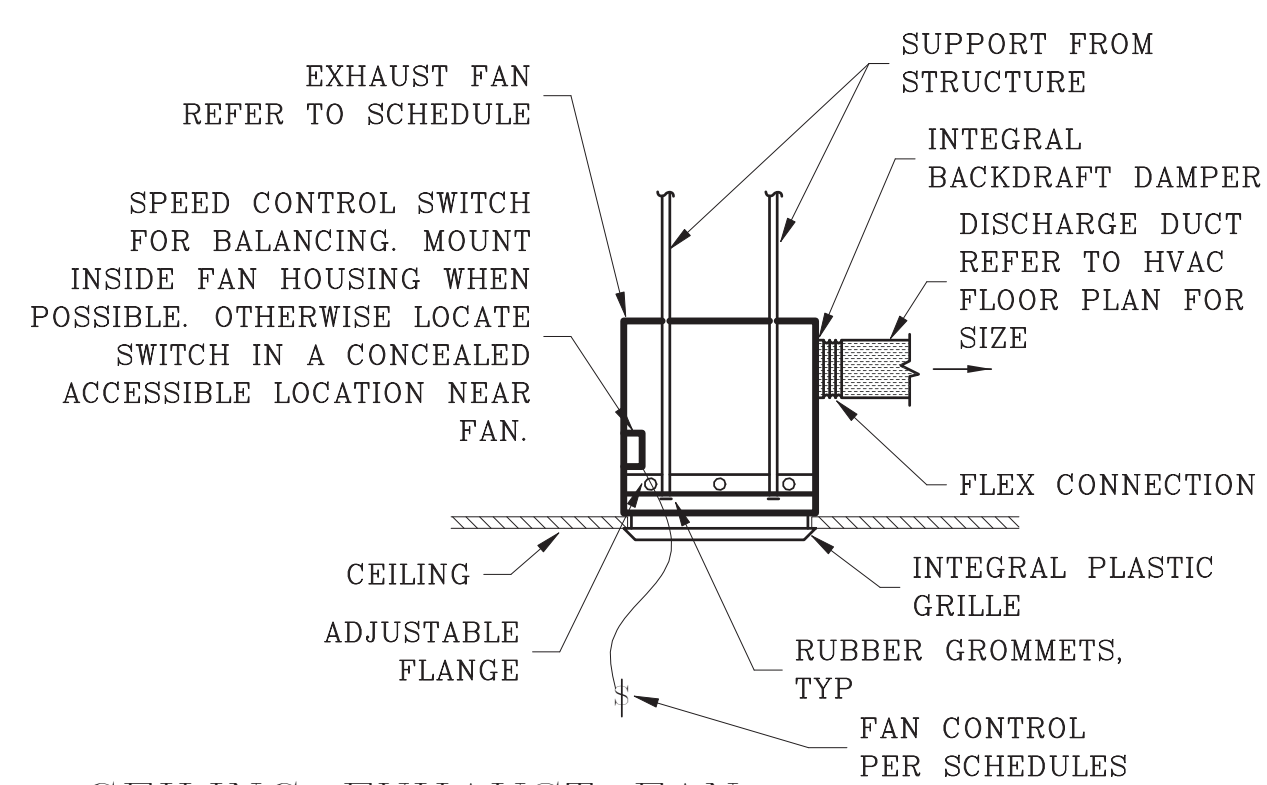
VENTILATION SCHEDULE

OUTDOOR AIR RATES HAVE BEEN ADJUSTED FOR 80% DISTRIBUTION EFFECTIVENESS

SPACE NUMBER	SPACE NAME	AREA (SF)	OCCUPANCY CLASSIFICATION	OCCUPANT DENSITY (#/1000 SF)	PEOPLE COUNT	PEOPLE OA RATE (CFM/#)	AREA OA RATE (CFM/SF)	PEOPLE OA (CFM)	AREA OA (CFM)	SPACE OA (CFM)
300B	Art Classroom	724	018-Art-Classroom	35	26	12.50	0.15	325	109	434
Grand total:										1

PLUMBING FIXTURE SCHEDULE

FIXTURE TAG	FIXTURE SPECIFICATIONS
S-1	SINK •FIXTURE - ELKAY LRAD172065, LUSTERTONE, SINGLE COMPARTMENT, ADA, 17"x 20" O.D., 5.25" DEEP BOWL, 18 GAUGE, 304 STAINLESS STEEL, COUNTERTOP, SELF RIMMING, 3-HOLE •FAUCET - CHICAGO FAUCETS, 1100-G2AE35VP317AB, ADA, TWO BLADE HANDLES, 2-HOLE, 8" CENTERS, 5.25" RIGID SWING GOOSENECK SPOUT, 1.5 GPM, CHROME FINISH •CLAY TRAP - ZURN Z1180, ACID RESISTANT COMPOSITE INTERCEPTOR, ON FLOOR BELOW SINK INSTALLATION, PVC SEDIMENT BUCKET, DEFUSING SCREEN, TOP ACCESS, GASKETED COVER, THREADED INLET AND OUTLETS PROVIDE AND INSTALL 1.5" PVC UNIONS UPSTREAM AND DOWNSTREAM OF TRAP. •ACCESSORIES - ELKAY LK99 DRAIN, CHROME KEY-STOPS, STAINLESS STEEL SUPPLIES
TMV-1	THERMOSTATIC MIXING VALVE - POWERS SERIES LFG480, 0.5" INLET AND OUTLETS, MIN 0.25 GPM, MAX 4 GPM FLOW AT 20 PSI PRESSURE DROP, BRASS BODY CONSTRUCTION, FIELD TEMPERATURE ADJUSTABILITY, CHECK STOPS, SET FOR 110° F DISCHARGE TEMPERATURE, ASSE 1070
AAV-1	AIR ADMITTANCE VALVE - STUDOR MINI VENT 20301 ONLY (NO ALTERNATES ALLOWED), PVC, WITH SCREEN, LIFETIME WARRANTY - SEE PLAN FOR PIPE SIZE
EEW-1	EMERGENCY EYE-WASH - HAWS MODEL 7610 AXION MSR SINK MOUNT EYE-FACE WASH, BARRIER-FREE, INVERTED DIRECTIONAL LAMINAR FLOW, 4.2 GPM FLOW CONTROL, POLISHED CHROME BRASS SINGLE ACTION PULL-DOWN VALVE BODY, WHEELCHAIR ACCESSIBILITY, UNIVERSAL SIGN, 0.5" UNIVERSAL SLIP JOINT CONNECTION - WITH HAWS 9201EW EMERGENCY TEMPERING VALVE.



CEILING EXHAUST FAN

DETAIL

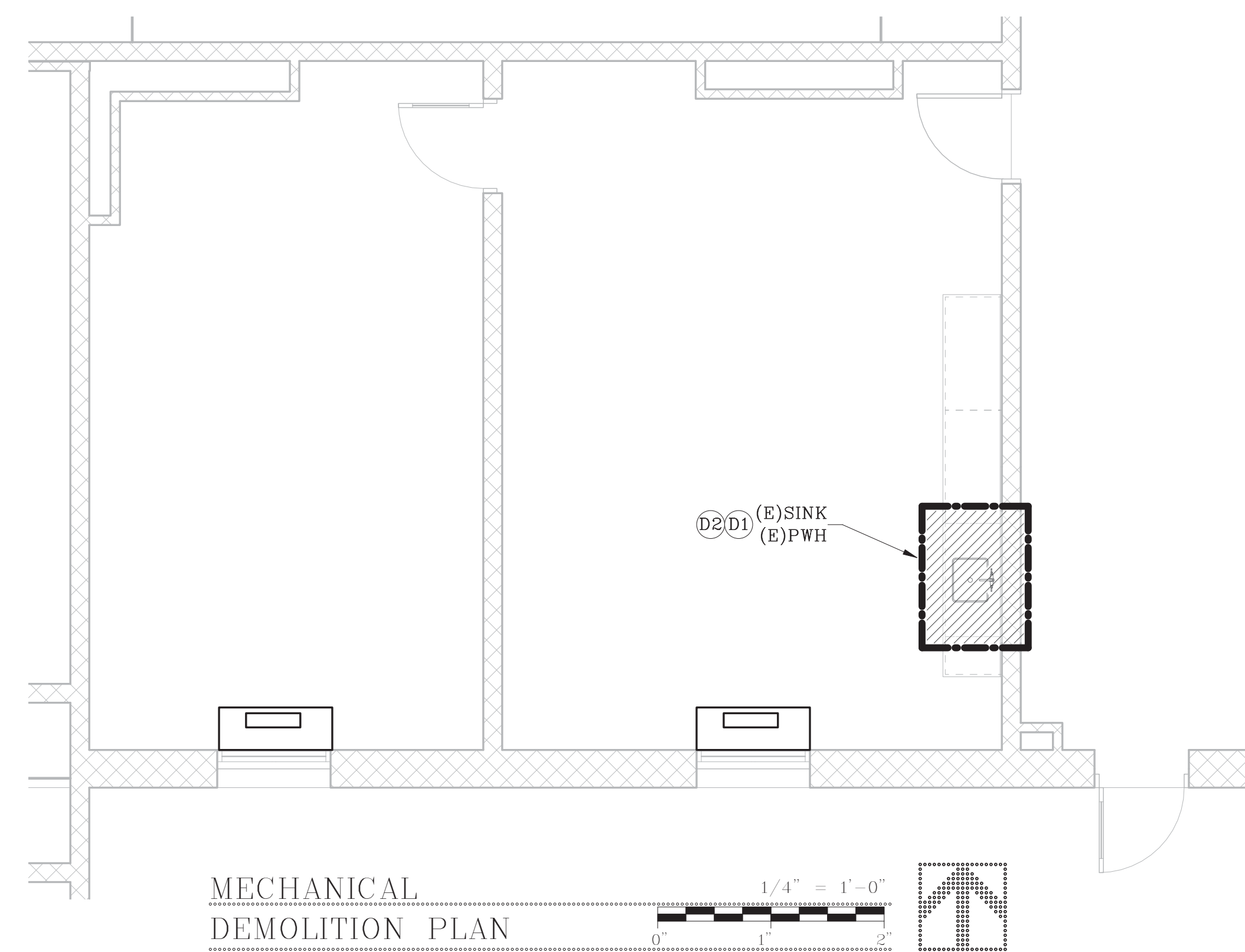
SCALE: NONE

DEMOLITION NOTES:

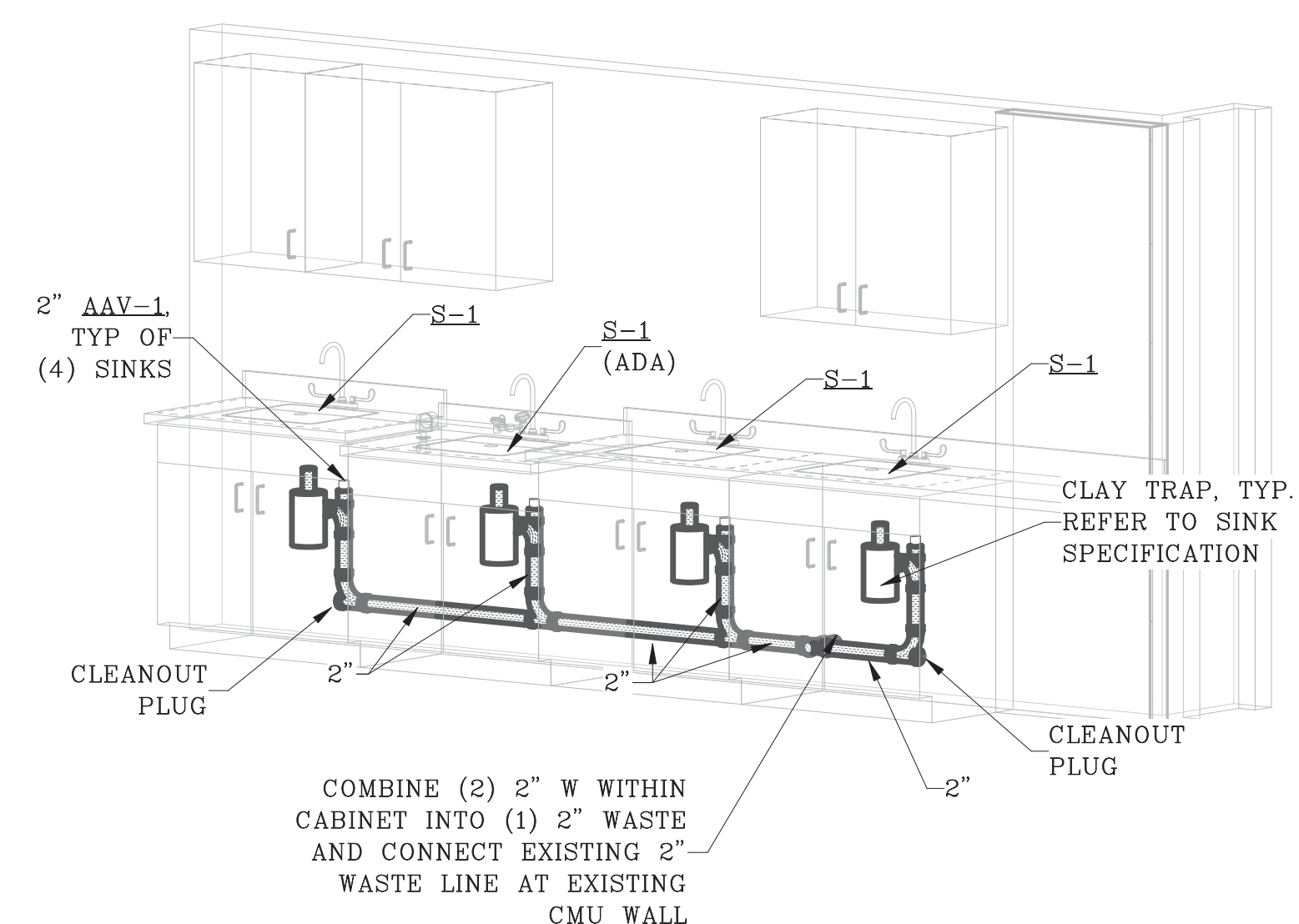
- (D1) DEMO AND REMOVE EXISTING PLUMBING IN THIS AREA. DEMOLITION SHALL INCLUDE:
 - REMOVAL OF EXISTING SINK AND FAUCET
 - REMOVAL OF EXISTING POTABLE WATER HEATER BELOW SINK
 - DEMOLITION OF HW AND CW PIPING. REMOVE ALL HW PIPING, AND REMOVE CW PIPING BACK TO MAIN. SAVE CW FOR RECONNECTION IF POSSIBLE.
 - DEMO VENT PIPING BACK TO MAIN ABOVE CEILING AND SAVE FOR FUTURE CONNECTION.
 - DEMO EXISTING WASTE LINE TO EXISTING WALL SAVE FOR RECONNECTION.
- (D2) REMOVED FIXTURES AND EQUIPMENT SHALL BE RETURNED TO OWNER AS DESCRIBED ON ARCHITECTURAL PLANS.

FLAG NOTES:

- (1) CONNECT NEW 0.75" CW TO EXISTING CW MAIN IN THIS APPROXIMATE AREA. PC SHALL FIELD VERIFY.
- (2) CONNECT NEW 0.75" HW TO NEAREST EXISTING HW MAIN OF EQUAL OR GREATER SIZE. EXISTING HW IS BELIEVED TO BE ABOVE ADJACENT HALLWAY. CONTRACTOR SHALL COORDINATE WITH BUILDING MAINTENANCE TO IDENTIFY.
- (3) PROVIDE BALL VALVE SHUT-OFFS ABOVE LAY-IN CEILING AS INDICATED. TAG VALVES PER CLIENT SPECIFICATIONS.
- (4) ROUTE 0.75" HW & CW DOWN WITHIN NEW FURRED WALL REFER TO POTABLE WATER SECTION ON THIS SHEET FOR DISTRIBUTION DOWNSTREAM OF THIS POINT.
- (5) PROVIDE AND INSTALL NEW EXHAUST FAN WITHIN NEW CEILING. TRANSITION DISCHARGE TO 12"Ø EXHAUST AND TERMINATE UP THROUGH ROOF WITH MANUFACTURER SUPPLIED ROOF CAP. MAINTAIN ALL REQUIRED CLEARANCES FROM EXISTING SYSTEMS ON THE ROOF. FIELD VERIFY.
- (6) MC TO REBALANCE OUTSIDE AIR SUPPLY VOLUME TO VALUE INDICATED.
- (7) MC SHALL RELOCATE EXISTING THERMOSTATIC CONTROL TO NEW WALL LOCATION IF DICTATED BY DEMOLITION AND NEW SCOPE. COORDINATE WITH BUILDING OWNER FOR NEW INSTALLATION LOCATION.

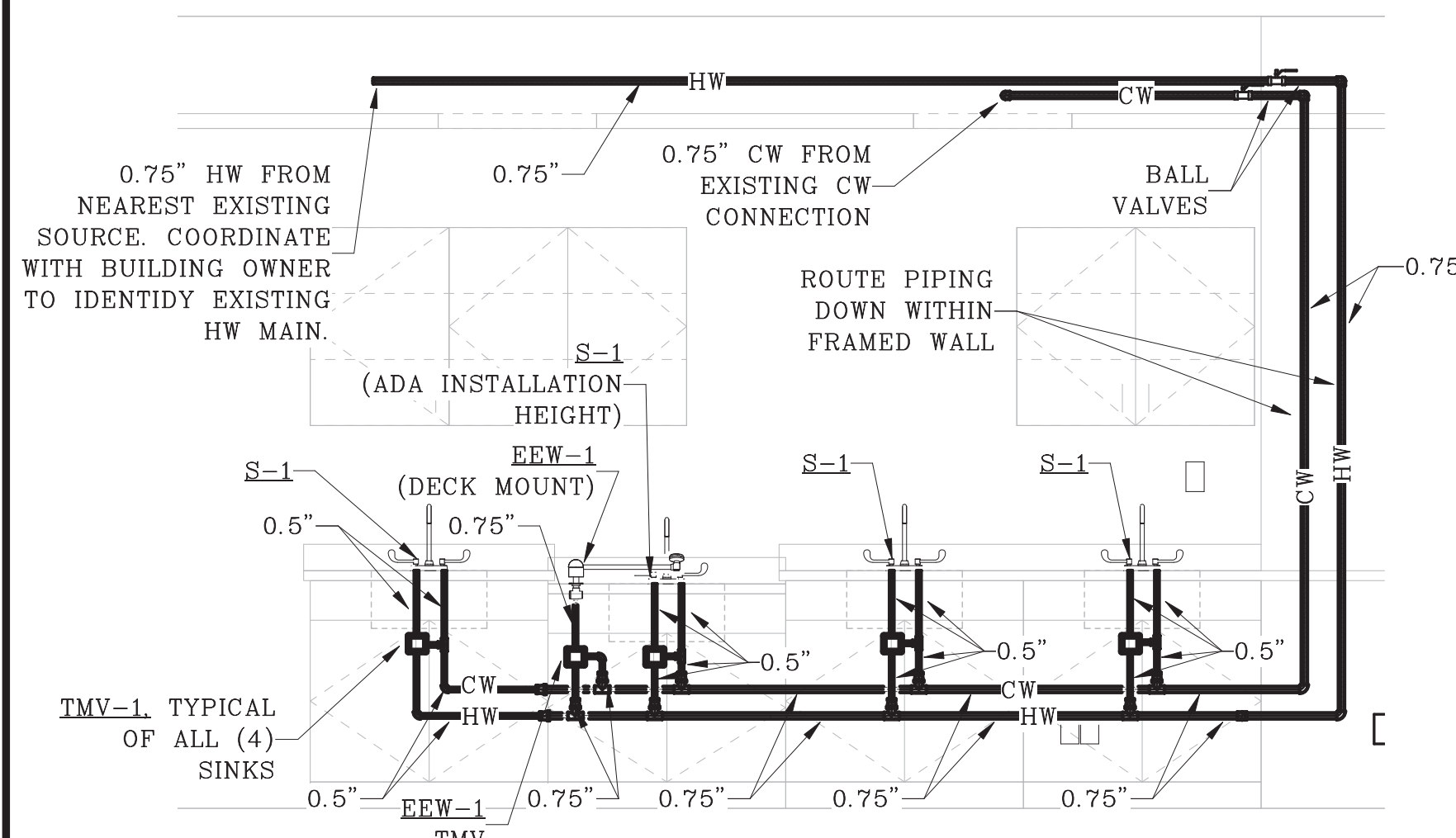


MECHANICAL DEMOLITION PLAN



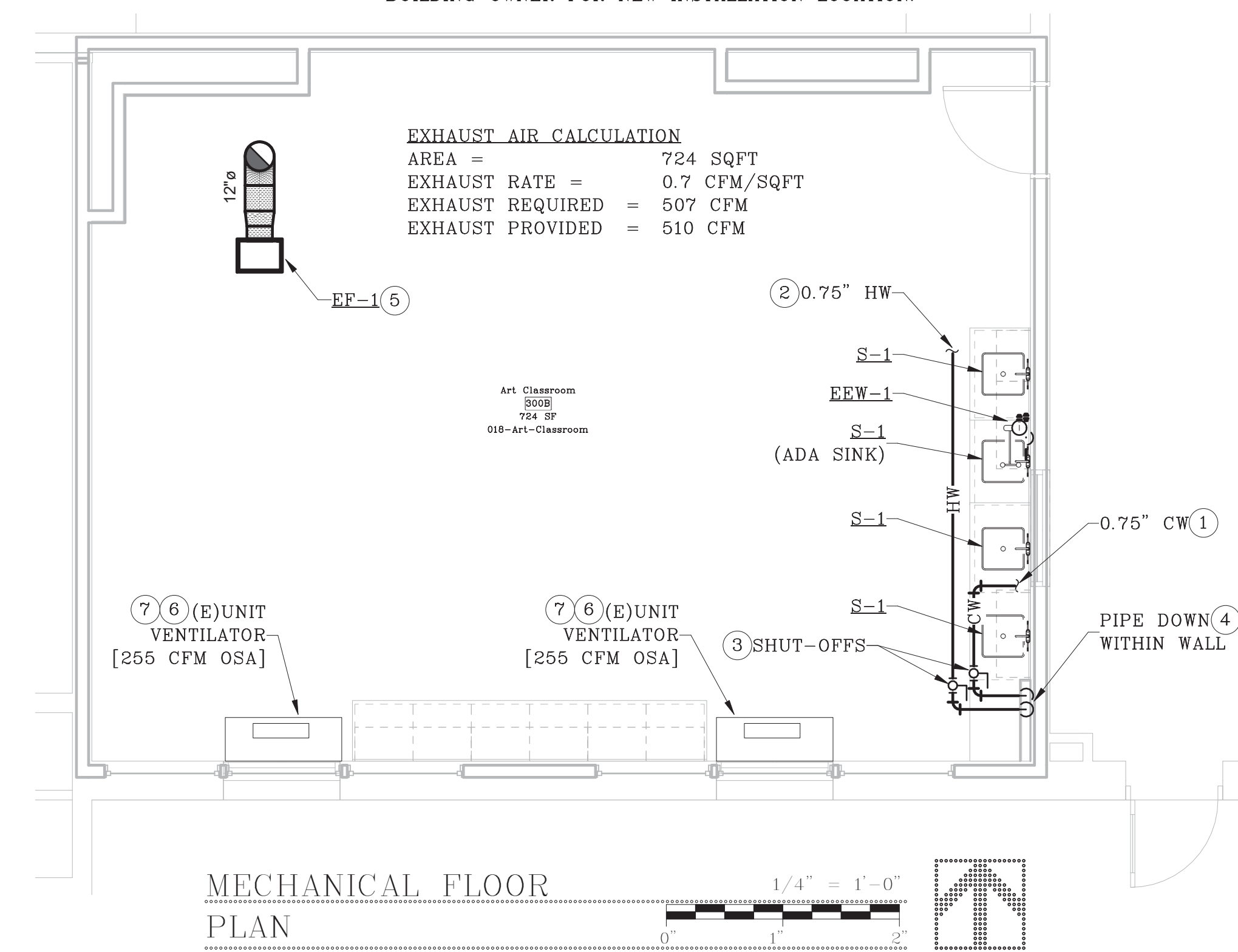
WASTE AND VENT ISOMETRIC

NO SCALE



POTABLE WATER SECTION

NO SCALE



MECHANICAL FLOOR PLAN

SCALE: 1/4" = 1'-0"



In Association with: **Poudre School District** Owner

2445 Laporte Avenue Fort Collins, CO 80521
 Phone: (970) 480-3465
 Contact: Grey Gustafson
 Email: igarretson@psdschools.com

TBD General Contractor

Address City, State, Zip Phone: # Contact: - Email: -

Larsen Structural Design Structural Engineer

320 Maple St., Suite 120 Fort Collins, CO 80521
 Phone: (970) 568-3355
 Contact: Eric Richards
 Email: eric@larsend.com

Integrated Mechanical M/P Engineer

320 Maple St., Suite 110 Fort Collins, CO 80521
 Phone: (970) 558-0570
 Contact: Josh Miller
 Email: Josh-M@int-mech.com



320 Maple St., Suite 110 Fort Collins, CO 80521
 Phone: 970-556-0570
 Email: front-desk@int-mech.com

ISSUED

No.	Description	Date
1	PERMIT	08/17/2021

Lesher Art Room

PERMIT

Project No.: 21-126 Drawn by: JKM
 Reviewed by: TMS

MECHANICAL FLOOR PLANS, SCHEDULES, SECTION AND ISOMETRIC

Drawing Number

M2.1