

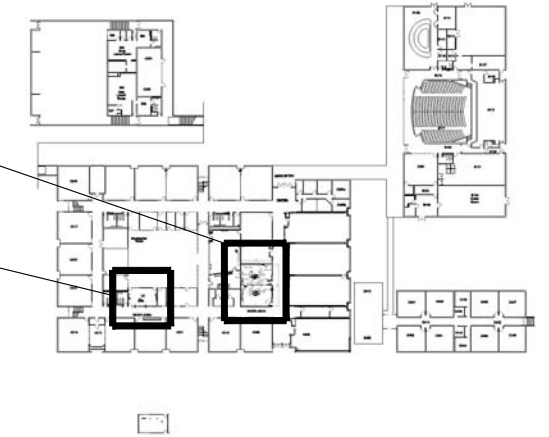
BUFORD MIDDLE SCHOOL ENGINEERING CLASSROOM THE CITY OF CHARLOTTESVILLE

DRAWINGS PREPARED BY:
Department of Public Works
Facilities Development
305 4th Street, N.W.
Charlottesville, VA 22903

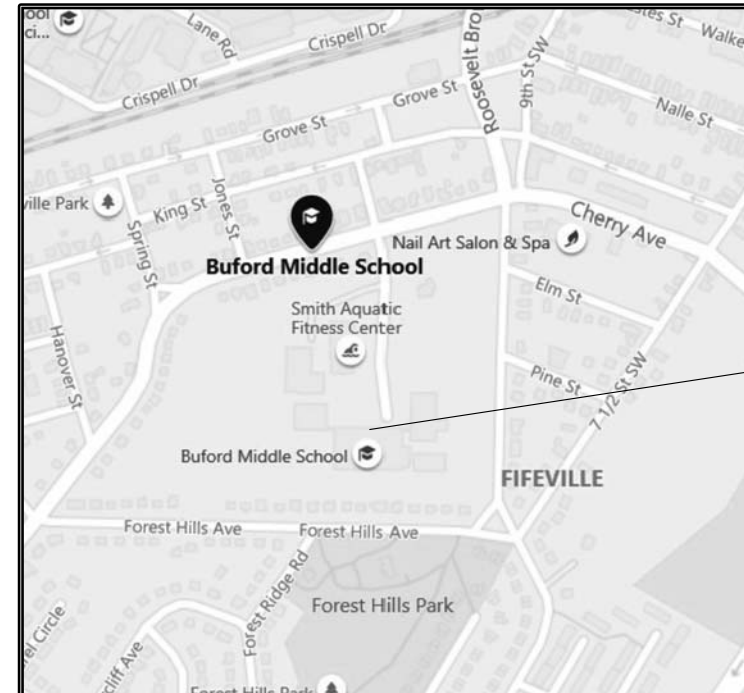
PROJECT CONTACTS:
Susan Dyer, M.Arch, Assoc.-AIA
434-970-3519

SITE
RM 205/207

SITE
RM L5



PROJECT
SITE



SITE VICINITY MAP

PROJECT AREA

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PROJECT INFORMATION:

AGENCY: CHARLOTTESVILLE SCHOOLS

PROJECT TITLE:
BUFORD MS, ENGINEERING CLASSROOM

PROJECT ADDRESS:
1000 CHERRY AVENUE
CHARLOTTESVILLE, VA 22903

PARCEL NUMBER: TMP23-192

PROPERTY OWNER:
THE CITY OF CHARLOTTESVILLE, VA

ZONING DISTRICT: R1S

REVISION #1, 06/29/2020 01

*DETAILED EQUIPMENT SPECS AVAILABLE UPON REQUEST.

^DATA PROVIDED AND INSTALLED BY OTHERS

01

DOCUMENTS REVIEWED/EDITED/SEALED BY:

Vendor Name: _____
Vendor Address: _____
Vendor License No.: _____
Vendor License Name: _____
Vendor License Phone: _____

DRAWINGS ARE SUBMITTED IN COMPLIANCE WITH THE STATE CODE OF VIRGINIA LICENSURE EXEMPT PER ARTICLES (5) & (6) OF SECTION 54-1-402.

ISSUED FOR PERMIT 04/15/2020

SPECIFICATIONS

DIV 01 GENERAL REQUIREMENTS

- A. **ALTERNATES:** Alternative/Equal materials are permitted with advance approval - Submit alternates to City Project Manager for review and approval prior to installation.
- B. **SUBMITTALS:** Submit (1) set of samples for each product. Samples will be reviewed for conformance to color/material/pattern/VOC data, etc. Submittals are required for the following work items:
- Wall insulation;
 - Caulk/Sealants;
 - Doors and Door Frames & All Finish Hardware (Including thresholds and stops);
 - Flooring and Flooring Adhesives; Floor Solvents/Cleaners/Stains and Wax
 - Wall Base and Wall Base Adhesives;
 - Ceiling tile and frames;
 - Paint (prime and final); Paint dissolver/Paint remover/cleaners
 - Electrical: see Sheet E098 for submittal requirement(s).

01

DIV 02 EXISTING CONDITIONS

- A. GC to provide and install temporary shoring to support existing construction **and shall provide temporary protection for existing conditions and for the duration of the work.** GC will adhere to industry best practices for construction to include site and worker safety and dust protection (protecting existing conditions from dust, damage and/or debris; including but not limited to existing duct work on site).
- B. **GC shall ensure that existing conditions are returned to Owner at close out.**

DIV 07 THERMAL AND MOISTURE PROTECTIONS

- A. **WALL INSULATION:** Submit product data for wall insulation (Accepted Manufacturers: Johns Manville Mineral Wool Sound Attenuation Fire Batts; Rock Wool; or approved other.)
- B. **CAULKING AND SEALANTS: MATERIALS** -Interior Caulking - Pecora AC-20, Sonneborn "Sonolac", Tremco 834, or equal acrylic latex caulking compound conforming to ASTM C834 in stock colors to match adjacent materials; Primers - As recommended by sealant manufacturer; Joint Backing and Release Tape - As recommended by caulking or sealant manufacturer. Color: Match existing (City Project Manager will confirm colors on site)
- C. **CAULKING AND SEALANTS: PREPARATION** - Joints and spaces to be caulked shall be dry, clean, and free from dust, oil, grease, or other foreign matter at time caulking material is applied; **JOINT FILLER:** Install joint filler as recommended by the caulking manufacturer. In shallow joints, where there is insufficient depth to install joint filler, bond breaker tape may be used.
- D. **CAULKING AND SEALANTS: APPLICATION:**
- 1) Apply primer to surfaces when recommended by sealant manufacturer; Apply sealant around all exterior doors, windows, louvers, construction joints, and all other joints as necessary to prevent water from entering building.
 - 2)Caulk where partitions of other materials join masonry walls and other interior joints.
 - 3) Apply compound with gun having proper size nozzle. Use sufficient pressure to fill all voids and joints solid. Superficial pointing of joints with a skin bead will not be accepted.
 - 4)Remove excess caulking and sealant and leave surfaces neat, smooth, and Upon completion, caulking shall have a smooth and even finish. All caulked joints shall be watertight.
 - 5)Caulk interior joints before final coat of paint is applied to adjacent surfaces.Apply silicone sealant after adjacent surfaces have been painted.
 - 6)Comply with additional recommendations of manufacturer.

DIV 09 FINISHES

- A. **GENERAL: Leave excess material in matching color(s) for the Owner's use in making future repairs.**
- B. **WALLS & FLOORS:**
- INSPECTION OF SURFACES - Inspect existing walls and subfloors scheduled to receive new finishes and notify the Owner of any defects which would be detrimental to installation of new finishes. Installation of new finishes (gypsum board, paint, flooring and/or floor stains, etc.) shall be deemed as acceptance of surfaces by the installer.
1. **GYPSON DRYWALL:** Comply with Gypsum Association GA-216-89 "Recommended Specifications for the Application and Finishing of Gypsum Board" and GA-214-90 "Levels of Gypsum Board Finish." Provide and install Asbestos-free 5/8" thick gypsum board conforming to ASTM C36, (w/ tapered long edges); Treat all joints with Perforated tape and joint compound conforming to ASTM C475, and/or as recommended by drywall manufacturer. Provide chemical hardening type for tape bedding and vinyl type for finishing coats.
2. **ADD ALT: POLISHED CONCRETE FLOORING:** All existing concrete floor slabs shall be colored to match existing by using a tinted, penetrating stain that is non-reactive and GREEN GUARD COMPLAINT (H&C Semi Transparent Decorative Stain); Final Sealing and Finish Coating shall be H&C Concrete Clear Sealer: Water-based and GREEN GUARD COMPLIANT. Contractor to comply with manufacturers installation recommendations. Protect stained floors from construction damage until substantial completion **(NOTE THAT BOD FOR BIDDING PURPOSES IS VCT FLOORING.)**

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C. PAINTING:

- Protect work of other trades. Correct any painting related damages by cleaning, repairing or replacing, and refinishing, as directed by City Project Manager..
- All surface preparation shall be in accordance with the manufacturer's specifications. Apply no less than (1) prime coat and (1) final coat (or more final coats as required to provide adequate coverage for a uniform finish of the following components:
- Walls (New and Existing Drywall or CMU): Eggshell Finish.
 - Doors: (New and Existing Doors): Semi-Gloss Finish
 - Door Jambs and trim (New and Existing): Semi-Gloss Finish.
 - Do not paint existing brick.

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DIV 12 FURNISHINGS

FURNITURE SHALL BE PROVIDED AND INSTALLED BY OTHERS. PROVIDE & INSTALL BLOCKING AS NOTED HEREIN

DIV 21 FIRE PROTECTION

SEE SHEETS LS100 & LS110

DIV 23 HVAC

REMOVE EXISTING SUPPLY & RETURN COVERS TO CLEAN, REINSTALL WITHOUT RECONFIGURATION
NO OTHER SCOPE INCLUDED

DIV 26 ELECTRICAL

SEE SHT. E098 FOR ELECTRICAL SUBMITTAL REQUIREMENTS.
INSTALLATION SHALL BE IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE; UNIFORM STATEWIDE BUILDING CODE; AND MANDATES OF LOCAL BUILDING OFFICIALS. **SEE SHEETS E098, E099, E100, E110, E099B, E100B & E110B FOR MORE DETAIL.**

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DATA PROVIDED AND INSTALLED BY OTHERS.

Date: 04/15/20

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BUFORD MIDDLE SCHOOL
ENGINEERING CLASSROOM

SPECS
ISSUED FOR PERMIT

THE CITY OF
CHARLOTTESVILLE

Department of Public Works
Facilities Development
305 4th Street, N.W.
Charlottesville, VA 22903



"A World Class City"

DEMOLITION NOTES

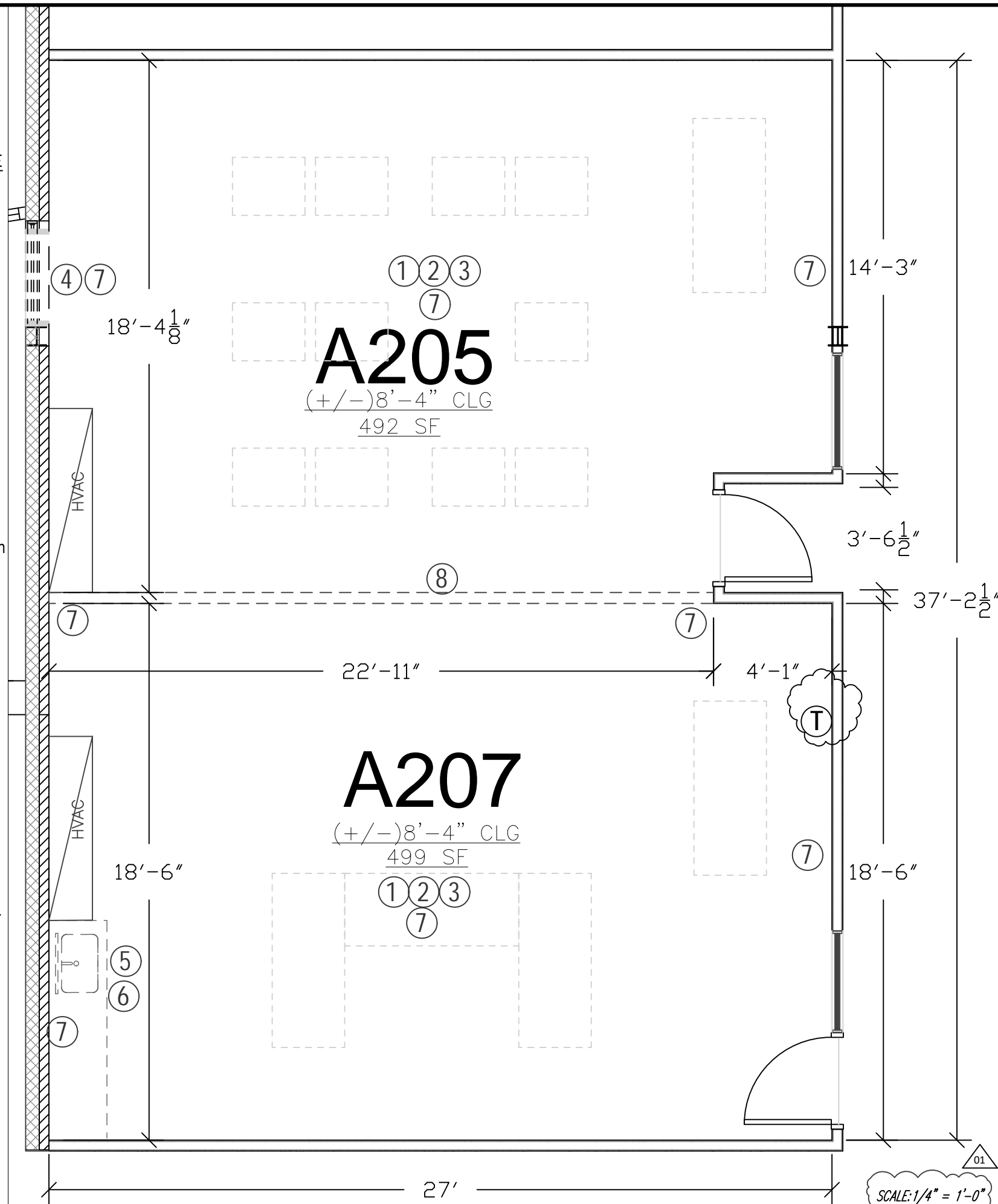
1. CAREFULLY REMOVE EXISTING FURNITURE; WALL MOUNTED WHITE BOARDS; CHALK BOARDS OR SHELVES FOR RELOCATION/REUSE ON SITE OR STORAGE (OWNER INVENTORY).
2. CAREFULLY REMOVE CEILING OR WALL MOUNTED EQUIPMENT FOR RELOCATION/REUSE OR STORAGE (OWNER INVENTORY).
3. EXISTING WALL BASE & FLOORING SHALL BE REMOVED BY OTHERS: *CLEAN & PREP EXISTING FLOOR TO RECEIVE NEW FLOORING AS REQUIRED & IN COORDINATION WITH ASBESTOS REMEDIATION.*
4. DEMOLISH EXISTING WINDOW, FRAME AND ALL ASSOCIATED HARDWARE, AS REQUIRED TO INSTALL NEW DOOR AT THIS LOCATION. PROVIDE TEMPORARY SHORING AS REQUIRED TO INSTALL NEW DOOR & FRAME, THIS LOCATION
5. CAREFULLY REMOVE EXISTING FAUCET & SINK - SET ASIDE FOR OWNER INVENTORY; PERMANENTLY CAP AND SEAL PLUMBING THIS LOCATION, COMPLETE.
6. DEMOLISH BUILT IN CABINETRY AND COUNTERTOP, COMPLETE
7. PATCH, SAND, FILL AND/OR REPAIR ALL EXISTING WALL SURFACES AS REQUIRED TO ENSURE THAT WALLS ARE PREPARED TO RECEIVE NEW WALL FINISHES PER SPECS (patch using methods that prevent or reduce evidence of patching and by reducing the appearance of seams to the fullest extent possible.)
8. DEMOLISH EXISTING PARTITION WALL, COMPLETE. & AS SHOWN.(Cut and patch using methods that prevent or reduce evidence of cutting and patching and by reducing the appearance of seams to the fullest extent possible.)

GENERAL NOTES

Perform demolition work using methods that prevent or reduce alteration to existing structural or operational elements or use methods that otherwise avoid material changes to existing structural or operational elements that would void or significantly alter the original installation intent (*i.e.: carrying weight, deflecting load, providing air and smoke barriers; function of existing electrical/mechanical/plumbing systems*) and/or create a need for additional maintenance or otherwise impact operation as designed.

WHERE INDICATED ABOVE, FURNITURE/EQUIPMENT/FIXTURES MARKED AS "OWNER INVENTORY" WILL BE CAREFULLY REMOVED & SET ASIDE FOR RELOCATION ON SITE AND/OR TO THE PW SURPLUS WAREHOUSE [W.H.O., 325 4TH STREET, NW, CHARLOTTESVILLE, VA.]; GC TO INCLUDE COORDINATING RELOCATION AND/OR DELIVERY IN PROJECT COST.

DATA PROVIDED AND INSTALLED BY OTHERS. 01



Date: 04/15/20

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BUFORD MIDDLE SCHOOL
ENGINEERING CLASSROOM

DEMOLITION PLAN
ISSUED FOR PERMIT

THE CITY OF
CHARLOTTESVILLE

Department of Public Works
Facilities Development
305 4th Street, N.W.
Charlottesville, VA 22903



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DEMOLITION NOTES

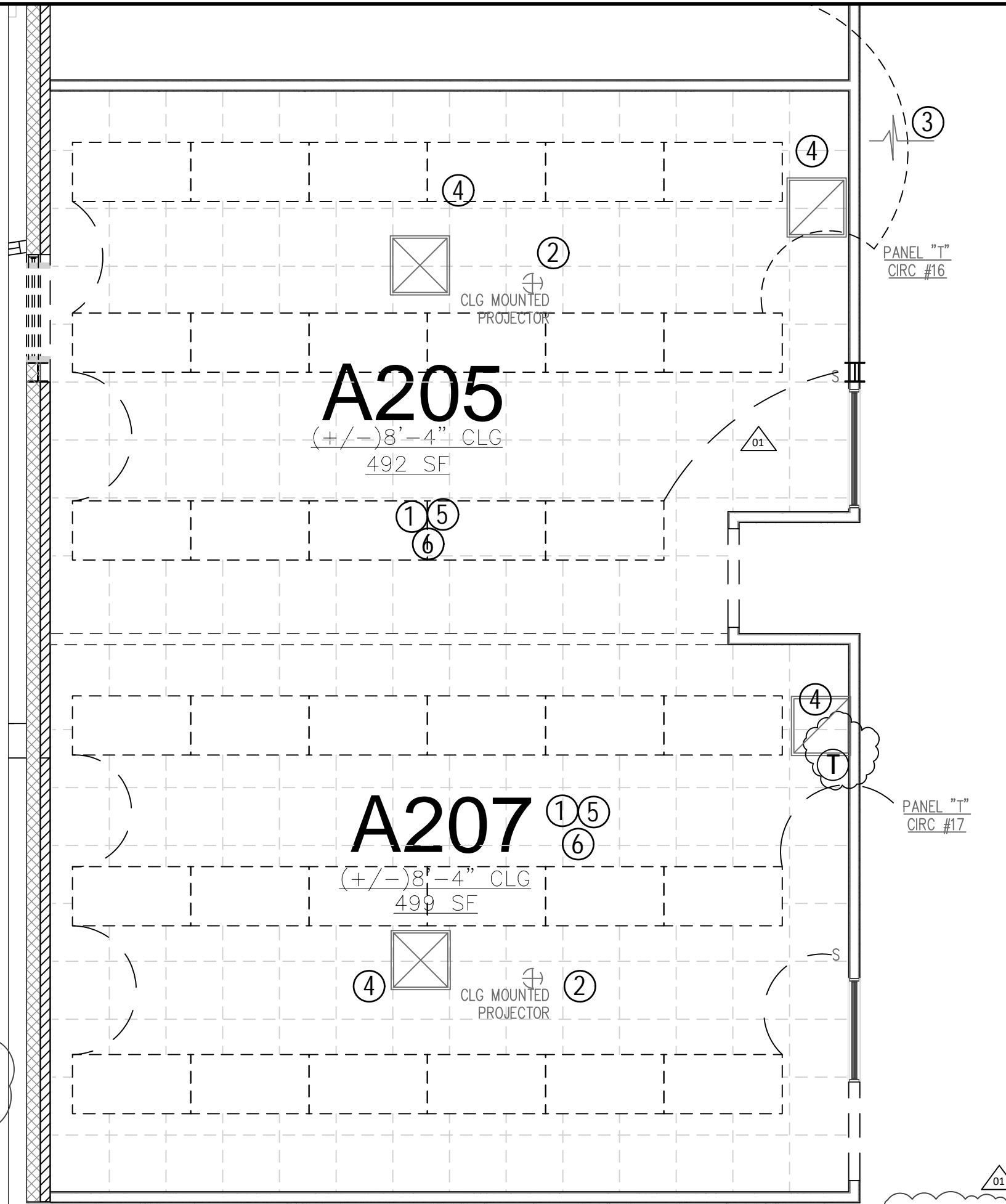
- DEMOLISH ALL EXISTING LIGHTS & RELATED FIXTURES, PREP EXISTING ELEC FOR REUSE/RELOCATION ON SITE (SEE SHT E110 FOR MORE DETAIL)
- CAREFULLY REMOVE HARD-WIRED CLG MOUNTED PROJECTOR, SET ASIDE FOR REUSE/RELOCATION ON SITE (OWNER INVENTORY)
- EXISTING LIGHTS ARE ON CIRCUIT 17 & 16, PANEL T; PREP TO CONSOLIDATE ALL LIGHTS AS REQUIRED ONTO CIRCUIT 17; PANEL T.
- CLEAN EXISTING SUPPLY & RETURN COVERS - HVAC DUCTING TO REMAIN AS-IS & W/ MIN. RECONFIGURATION TO ACCOMMODATE NEW DROP CLG. (SEE SHT A 110 FOR MORE DTL)
- REMOVE EXISTING DROP CLG AND FRAME; CLEAN & PREP EXISTING TO RECEIVE NEW DROP CLG AND FRAME AS REQUIRED
- SEE SHT. LS 100 & LS 110: CONTRACTOR TO PREP EXISTING FIRE SPRINKLER SYS TO RECEIVE (2) NEW SPRINKLER HEADS - WILL REQUIRE COORDINATION & TESTING THROUGH FACILITIES MAINTENANCE

GENERAL NOTES

DATA PROVIDED AND INSTALLED BY OTHERS. ⁰¹

EXISTING ELEC PANEL ("T")

1 LIGHTS IN RM 210	2 LIGHTS RM 208/206
3 LIGHTS RM 209	4 SPARE
5 LIGHTS RM 206	6 LIGHTS RM 204
7 SPARE	8 SPARE
9 LIGHTS RM 202	10 LIGHTS RM 200A/H
11 SPARE	12 SPARE
13 LIGHTS RM 222	14 LIGHTS RM 201
15 LIGHTS RM 223	16 LIGHTS RM A205 & A203
17 LIGHTS RM A207	18 LIGHTS IN M/W & B/G REST RMS
19 LIGHTS RM 211	20 NIGHT LIGHTS
21 LIGHTS RM 212	22 STAIR HALL LIGHT
23 L/V LIGHT CORR. 2048	24 L/V LIGHT CORR. 2044/213
25 L/V LIGHT CORR. 2039	26 L/V LIGHT CORR. 2037/214
27 SPARE	28 LIGHTS RM 200/AH
29 VIF	30 VIF



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

Date: 04/15/20

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BUFORD MIDDLE SCHOOL
ENGINEERING CLASSROOM

RCP/LIGHTING DEMO PLAN
ISSUED FOR PERMIT

THE CITY OF
CHARLOTTESVILLE

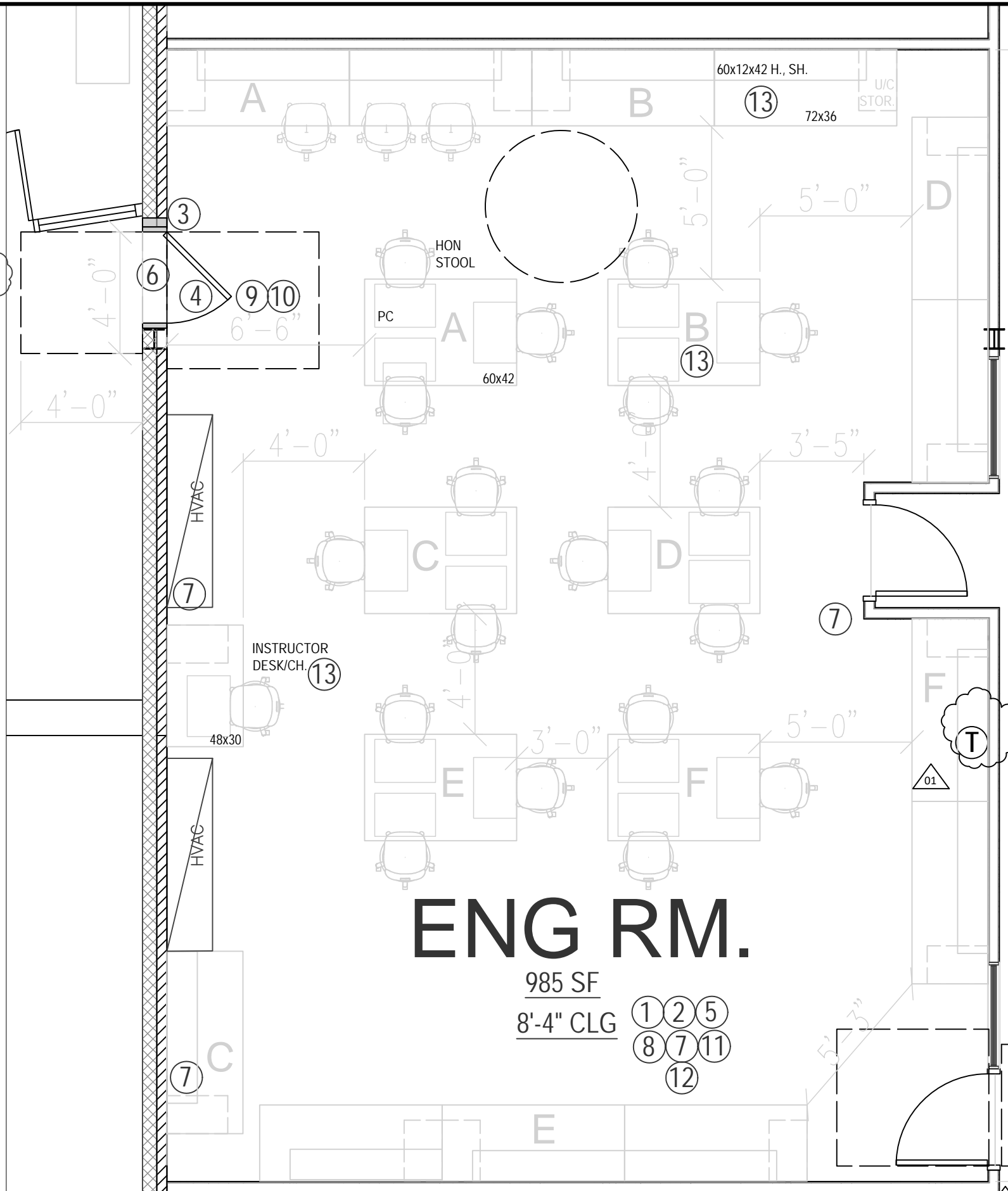
Department of Public Works
Facilities Development
305 4th Street, N.W.
Charlottesville, VA 22903



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NEW CONSTRUCTION NOTES

- NEW FURNITURE PROVIDED & INSTALLED BY OTHERS: SEE NOTE #13**
- PAINT EXISTING WALLS PER SPECS using No/Low VOC paint by one of the following manufacturers: Benjamin Moore, Sherwin Williams; Glidden Professional or PPG Industries in Color "SW 7005, Pure White" (or to match SW7005); (DO NOT PAINT EXISTING EXPOSED BRICK).
- PROVIDE AND INSTALL INSULATED MTL. STUD INFILL AS REQUIRED TO INSTALL NEW DOOR AND FRAME, THIS LOCATION. CONSTRUCT INFILL OR NEW WALLS W/ 1-5/8" x 3-5/8" METAL FRAMING @ 16" O.C. (MIN: 20 GAUGE); Provide and install only stainless-steel fasteners; (Wire nails to be cement coated for interior use.) SEE SHT A001 FOR SPECIFICATIONS.
- Provide and install New ADA Compliant Flush Wood Door with Quarter vision lite - Flush 1-3/4 inch door, solid core, Color: birch veneer, clear finish. DOOR FRAMES: Provide and install commercial grade steel frames for each opening. Frames shall be in accordance with steel door institute (SDI, UL & ANSI specifications. Frames shall be constructed of a minimum 16gauge steel.
- Provide and Install 4" High, Cove style base w/ toe; Armstrong World Industries, Inc.; Johnsonite; Roppe Corporation, USA. Color: Match existing (City Project Manager will confirm colors on site); NOTE: Provide and install wall base using Green Guard Compliant Adhesives (Waterproof "0" VOC with non-asbestos containing adhesive as recommended by manufacturer; Provide cut sheet for adhesives).
- PATCH FLOOR AS REQUIRED WHERE WINDOW UNIT WAS DEMOLISHED.
- PATCH WALLS/WALL FINISHES AS REQUIRED WHERE DATA/ELEC OUTLETS HAVE BEEN REMOVED AND/OR WHERE EQUIPMENT HAS BEEN REMOVED OR DEMOLISHED AND/OR WHERE DOORS/WINDOWS OR EXISTING BUILDING COMPONENTS (INCL. FLOOR FINISHES AND WALL FRAMING) HAVE BEEN REMOVED/DEMOLISHED. EXISTING WALL(S)/REPAIRS: Repair/patch all existing cosmetic Masonry/CMU walls as needed; As required, use filler "Bondo" for Masonry/CMU wall repair.
- Provide solid blocking where required for support of other work. Blocking furring, and other wood in contact with conc./masonry, shall be pressure treated Kiln-dried lumber (to 15% moisture content after treatment).
- Provide and install new Hardware in "626 Satin chrome" finish: Hinges (3 ea.), Ives 5BB1 4.5x4.5 NRP US26D; Mortise Lock (1 ea.); ready to accommodate Schlage C Keyway Cores, Standard Lever O6N); Ives Wall Stop (1ea.), Glynn Johnson Series 90 Overhead type where wall stops can't be used; Handicap Threshold (1 ea.), NGP #413, Color: Aluminum Mill Finish
- Adjust operating hardware for smooth operation according to hardware manuf. written instructions.
- Provide and Install new 12"x12" VCT (Vinyl Composition Tile) Flooring by Armstrong World Industries, Inc.; Manningotn Mills, Inc.; Tarkett, Inc.. Color: Match existing (City Project Manager will confirm colors on site); NOTE: Provide and install flooring using Green Guard Compliant Adhesives (Waterproof "0" VOC with non-asbestos containing adhesive as recommended by resilient flooring manuf.; Provide cut sheet for adhesives).
- New and Existing Walls: Tape and finish drywall to Level 4 Finish; Repair/patch all existing cosmetic drywall as needed; All drywall to be taped and finished to a Level 4 Finish.
- ADA COMPLIANT FURNITURE, PROVIDED & INSTALLED BY OTHERS (AT OR BELOW SURFACE HGT OF 34")



DATA PROVIDED AND INSTALLED BY OTHERS.

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

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BUFORD MIDDLE SCHOOL ENGINEERING CLASSROOM	
NEW CONSTRUCTION PLAN ISSUED FOR PERMIT	
A-110	
THE CITY OF CHARLOTTESVILLE	
Department of Public Works Facilities Development 305 4th Street, N.W. Charlottesville, VA 22903	
"A World Class City"	

NEW CONSTRUCTION NOTES

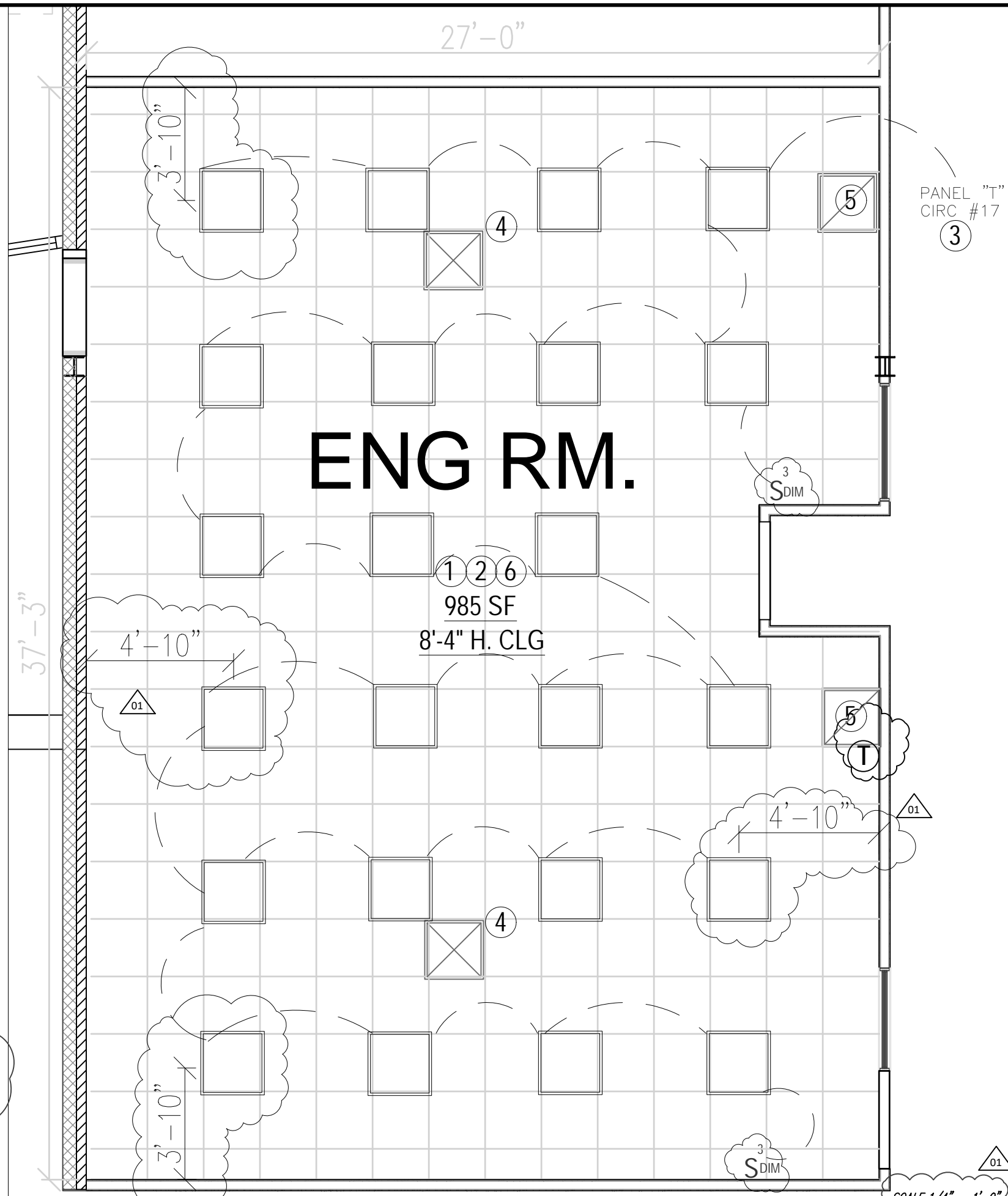
1. INSTALL NEW DROP CLG: HVAC RETURN & SUPPLY VENTS TO REMAIN WITH MINIMAL ADJUSTMENT; Ceiling height for all new ceilings will be as close to pre-existing height as possible. 24"x24" ACT system (Armstrong, LYRA HIGH CAC #8730 PF Square Regular Tiles with Prelude $\frac{15}{16}$ " suspension system).
2. INSTALL NEW LIGHTS & WALL MOUNTED SWITCHES (@ 2 LOCATIONS) PER SPECS ON SHT E098 (BOD RAB EZPANFA2x2/D10 EDGELIT FLAT PANEL 2x2 30W 4000K (0-10V DIMMING) W/ LUT DVSTV-WH DIVA 0-10 W/SWITCHING BOX-DVSTV-WH.); PROVIDE AND INSTALL (2) DIMMING SWITCHES AT (2) LOCATIONS PER PLAN.
3. USE CIRCUIT 17, PANEL T FOR ALL NEW LIGHTS
4. CLEAN & REINSTALL EXISTING SUPPLY COVERS
5. CLEAN & REINSTALL EXISTING RETURN COVERS
6. SEE SHT. LS 100 & LS 110: CONTRACTOR TO PROVIDE & INSTALL (2) NEW SPRINKLER HEADS - WILL REQUIRE COORDINATION & TESTING THROUGH FACILITIES MAINTENANCE

GENERAL NOTES

DATA PROVIDED AND INSTALLED BY OTHERS. ⁰¹

REVISED ELEC PANEL ("T")

1 LIGHTS IN RM 210	2 LIGHTS RM 208/206
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Date: 04/15/20

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BUFORD MIDDLE SCHOOL
ENGINEERING CLASSROOM

NEW RCP/LIGHTING PLAN
ISSUED FOR PERMIT

THE CITY OF
CHARLOTTESVILLE

Department of Public Works
Facilities Development
305 4th Street, N.W.
Charlottesville, VA 22903



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DIV. 26 ELECTRICAL

EXISTING ELECTRICAL PLAN IS FOR REFERENCE ONLY; GC TO TRACE EXISTING CIRCUITS TO IDENTIFY DAISY-CHAINED OUTLETS. CONFIRM THAT A MINIMUM OF (8) EXISTING CIRCUITS ARE AVAILABLE FOR REUSE ON SITE & PRIOR TO BEGINNING NEW CONSTRUCTION. EXISTING CONDUIT AND CONDUCTORS MAY BE REUSED WHERE PRACTICAL IF IN SATISFACTORY CONDITION W/ PROPER WIRE SIZE AND W/ PROPER INSULATION TYPE, CIRCUIT BREAKERS IN EXISTING DISTRIBUTION PANEL BOARDS TO BE REUSED FOR NEW AND REVISED BRANCH CIRCUITS WHERE PRACTICAL. NEW CIRCUIT BREAKERS REQUIRED SHALL BE ADDED TO EXISTING PANEL BOARDS AND WILL BE COMPATIBLE W/ SAME. EXISTING PANEL BOARDS SHALL BE PROVIDED W/ NEW TYPE-WRITTEN DIRECTORIES TO IDENTIFY ALL BRANCH CIRCUITS AS THEY EXIST AFTER RENOVATION WORK IS COMPLETE.

A. ALTERNATES: Alternative/Equal materials are permitted with advance approval - Submit alternates to City Project Manager for review and approval prior to installation.

B. SUBMITTALS: Submit (1) set of samples for each product. Samples will be reviewed for conformance to color/material/pattern/VOC data, etc. Submittals are required for the following work items: Light fixtures; switches/receptacles; wiring devices; cord reels.

C. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING AND PERFORMANCE OF THE ELECTRICAL SYSTEM FOR VOLTAGE AND TOTAL LOAD AMPERAGE FOR EACH FEEDER CIRCUIT W/ #4 CONDUCTORS OR LARGER; MAJOR ITEMS ARE SHOWN ON PLANS, CONTRACTOR IS RESPONSIBLE TO PROVIDE & INSTALL ALL INCIDENTAL ITEMS REQUIRED TO PROVIDE A COMPLETE, FUNCTIONAL AND CODE COMPLIANT SYSTEM ALL INSTALLATION WORK SHALL BE COORDINATED WITH THE GC (SCHEDULING, DIMENSIONING, LOCATION OF EQUIPMENT, ETC.) CONTRACTOR TO PROVIDE ENGINEERING/SHOP DRAWINGS TO ACCOMPLISH THE WORK AS REQUIRED.

D. SAFETY: ALL CONDUIT SYSTEMS, EQUIPMENT CASES, MOTOR FRAMES AND SYSTEM NEUTRAL CONDUCTORS SHALL BE PERMANENTLY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, ARTICLE 250.

WIRE SHALL BE COPPER OF MIN. 12 GAUGE SIZE AND SHALL BE TYPE THW, THWN, THHN, RH OR RHW AND STRANDED IF NUMBER 8 AWG OR LARGER; WIRE SHALL BE RATED FOR 75 DEGREES MIN. & CONDUCTOR SIZES SHALL BE SELECTED BASED ON 75 DEGREE WIRE. PROVIDE OVERSIZED WIRE FOR LONG CIRCUIT RUNS TO MAINTAIN VOLTAGE DROP W/ 3% AT FULL LOAD (PROVIDE #12 WIRE FOR UP TO 70' LENGTHS, PROVIDE #10 WIRE BETWEEN 71'-115' LENGTHS, PROVIDE #8 WIRE FROM 116'-185' LENGTHS AND PROVIDE #6 WIRE FOR BRANCH CIRCUITS OVER 185' LENGTHS.)

MTL CLAD MC CABLE WITH GREEN ROUND WIRE MAY BE USED FOR RUNS NO LONGER THAN 70' AND FOR CIRCUITS NO GREATER THAN 30 AMPS. FOR LONGER CIRCUIT RUNS, PROVIDE A JUNCTION BOX AND CONTINUE HOME RUN USING WIRE IN CONDUIT, DERATE WIRE PER NEC FOR CONDUIT FILL & FOR TOTAL DISTANCE OF THE BRANCH CIRCUIT

WHERE MORE THAN (3) CURRENT CARRYING CONDUCTORS ARE CONTAINED IN A SINGLE CONDUIT, ADJUST CONDUCTOR SIZES AS REQUIRED TO ACCOUNT FOR DERATING THEIR AMPACITY IN ACCORDANCE W/ THE NEC. THERE SHOULD BE NO MORE THAN (8) CURRENT CARRYING CONDUCTORS (INCLUDING NEUTRALS) IN (1) CONDUIT.

E. CONCEALED/EXPOSED CONDUIT:

RUN NEW CONDUIT CONCEALED WHERE POSSIBLE IN FINISHED SPACES, EXPOSED CONDUIT IS ACCEPTABLE ON EXPOSED BRICK/CMU & IN SOME AREAS. ROUTE EXPOSED CONDUIT CAREFULLY FOR BEST CONCEALMENT AND FOR ALIGNMENT WITH ARCHITECTURAL FEATURES. (NEW WIRE MOULDING COLOR: WHITE)

F. NEW LED LIGHTS:

LIGHT FIXTURES SHALL BE FURNISHED AND INSTALLED W/ LED LAMPS AND SHALL BE MED. COOL WHITE (3500K-4100K). ALL LAMPS SHALL COMPLY WITH THE NATIONAL ENERGY POLICY ACT OF 1992 AS TO EFFICIENCY AND COLOR RENDERING INDEX (GREEN TYPE: REDUCED MERCURY CONTENT); MIN. CRI 80. SEE SHTS A111 & A111B FOR MORE DTL. (BOD RAB EZPANFA2x2/D10 EDGELIT FLAT PANEL 2x2 30W 4000K (0-10V DIMMING) W/ SWITCHING BOX: LUT DVSTV-WH DIVA 0-10 W/SWITCHING BOX-DVSTV-WH.)

G. LIGHT SWITCHES:

LIGHT SWITCHES: 20 AMP 120/277V. SIDEWIRED, FED. SPECIFICATION GRADE TOGGLE SWITCH & STAINLESS STEEL PLATE OR WHITE* (COLOR TO MATCH EXISTING); SURFACE MOUNTED SWITCHES SHALL USE CAST FS BOX W/ PROPER MATCHING COVER. (BOD: DIMMABLE LIGHT SWITCHES: Lutron switch (M# DVSTV-WH) FOR LUT DVSTV-WH DIVA 0-10 SWITCH BOX DVSTV-WH.)

H. RECEPTACLES:

DUPLEX 120 V RECEPTACLES SHALL BE 20 AMP, FED. SPEC GRADE DUPLEX RECEPTACLES W/ STAINLESS STEEL PLATES OR WHITE* (*COLOR TO MATCH EXISTING - TBD); WHERE QUADPLEX RECEPTACLES ARE NOTED, PROVIDE TWO DUPLEX RECEPTACLES ON A COMMON PLATE, FLUSH RECEPTACLES ON MASONRY OR CMU WALLS MAY USE OVERSIZED PLATES (NEW LIGHT RECEPTACLES: COLOR TO MATCH LIGHT SWITCHES)

I. IDENTIFICATION OF NEW WORK:

IDENTIFICATION SHALL BE PROVIDED IN ACCORDANCE W/ THE FOLLOWING PROVISIONS: ENGRAVING STOCK MELAMINE PLASTIC LAMINATE LABELS, BLACK W/ WHITE CORE, FASTENED W/ PANHEAD SCREWS AND EXPANSION SHIELDS ON MASONRY/BLOCK WALLS OR CONTACT TYPE PERMANENT ADHESIVE FOR DIRECT FASTENING TO EQUIPMENT FOR ALL MAJOR PIECES OF ELEC. EQUIPMENT INCL. BUT NOT LIMITED TO ALL SAFETY DISCONNECT SWITCHES/PANEL BOARDS; PROVIDE MANUF. STD. VINYL CLOTH SELF ADHESIVE CABLE/CONDUCTOR MARKERS OR WRAP AROUND TYPE NUMBERED TO SHOW CIRC. IDENTIFICATION IN EA. BOX/ENCLOSURE/CAB. WHERE WIRES OF MORE THAN ONE CIRCUIT OR SYSTEM ARE PRESENT, MATCH IDENTIFICATION WITH OTHER MARKING SYSTEMS USED.

J. DATA:

WIRING, JACKS AND FACE PLATES PROVIDED AND INSTALLED BY OTHERS

K. CORD REELS:

PROVIDE & INSTALL INDUSTRIAL GRADE PIVOT BASE POWER CORD REEL W/ MOUNTING HARDWARE AND SOLID BLOCKING AS REQUIRED BY THE MANUFACTURER FOR INSTALLING EACH REEL DIRECTLY TO THE EXISTING STRUCTURE; CORD REEL SHALL BE RATED FOR A MAXIMUM OF 20 AMPS 15 AMPS (#12 GAUGE WIRING TO POWER LENOVO BRAND M92Z THINK CENTERS: THINK CENTERS SHALL BE PROVIDED & INSTALLED BY OTHERS); NEW CORD REEL UNITS SHALL BE ADJUSTABLE (FROM 0'-40" TO 0'-50") WITH A CORD STOP. BOD: BAYCO ITEM NO. #8904-40 "M-8906" (QUAD. 15 AMP, 40' 50' UNIT) OR APPROVED OTHER. WIRING DEVICE - KELLEMS; K&H INDUSTRIES; MCGILL ELECTRICAL PRODUCT GROUP OR APPROVED OTHER. (COLOR: BLACK+R AVAILABLE)

L. MISC EQUIPMENT (PROVIDED AND INSTALLED BY OTHERS):

WALL MOUNTED 53"W x 4" D. X 34" H. SMART BOARDS (MOD.#8055i OR 8055i-SMP; 0.8A-1.8A @ 100-240V AC) SHALL BE PROVIDED AND INSTALLED BY OTHERS.

SYMBOLS LEGEND

- ⊙ CLG NEW QUAD CLG MT OUTLET
- ⊙ CLG EXISTING CLG MT OUTLET TO REMAIN
- ⊙^C EXISTING WALL MOUNTED OUTLET @ COUNTER HT
- △^{CLG} NEW CLG MOUNTED DATA (WITH NEW FIBER)
- ▲ EXISTING FIBER (DATA) TO REMAIN
- ▲^C NEW COUNTER HT. DATA COVER

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BUFORD MIDDLE SCHOOL
ENGINEERING CLASSROOM

E-098

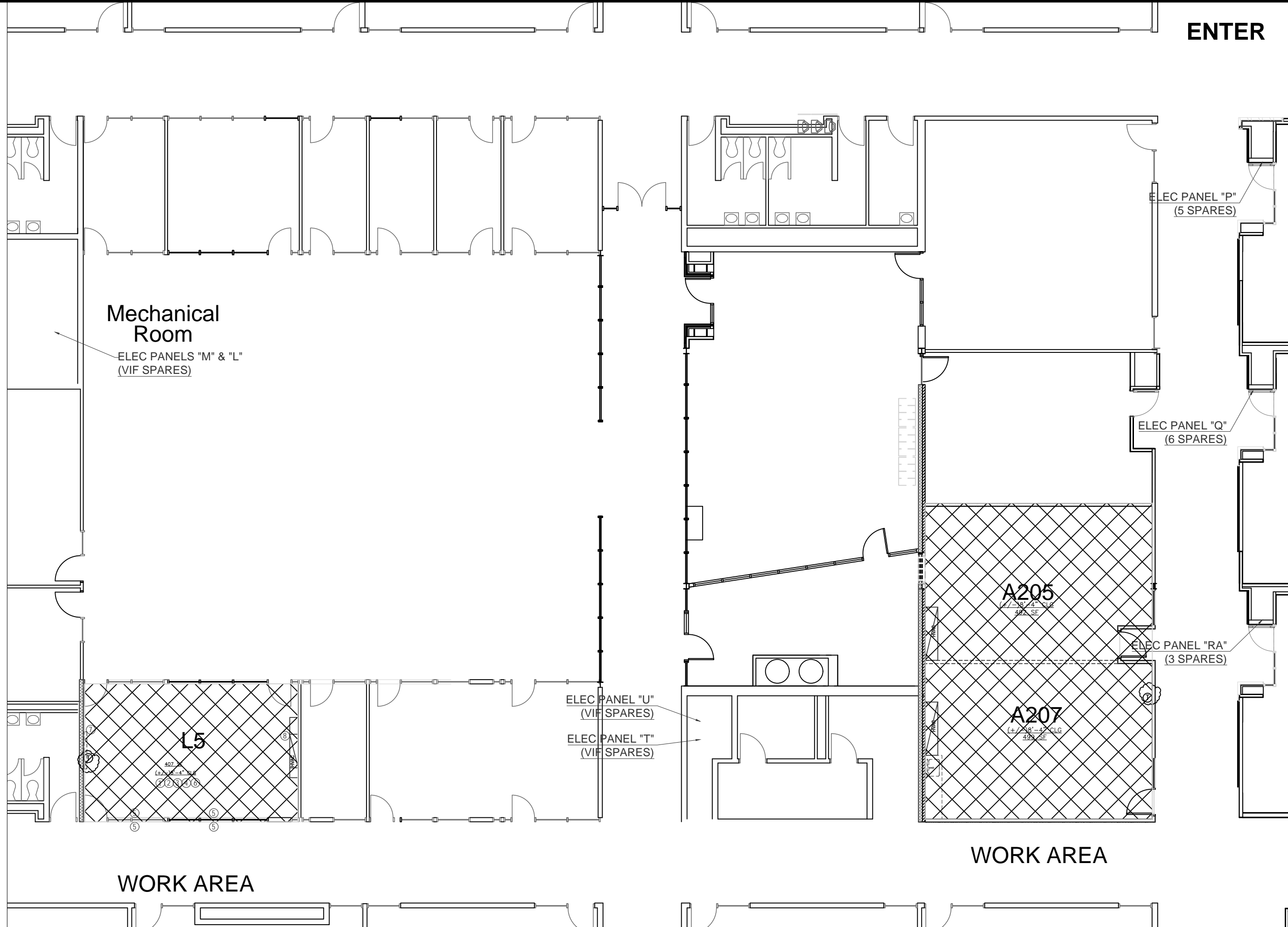
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BUFORD MIDDLE SCHOOL
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ELEC. PANEL LOCATIONS
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DEMOLITION NOTES

1. DEMOLISH EXISTING WALL MOUNTED BLANK(S), COMPLETE 01
2. DATA SHOWN FOR REFERENCE ONLY: DATA WILL BE PROVIDED AND INSTALLED BY OTHERS - COMPLETE
3. REMOVE EXISTING WALL MOUNTED LIGHT SWITCH, PREP FOR RELOCATION/REUSE ON SITE (MAINTAIN EXISTING CIRCUITS, TYP. ALL)
4. TEMPORARILY CAP AND SEAL EXISTING ELEC. CIRC. PREP FOR RELOCATION/REUSE ON SITE (MAINTAIN EXISTING CIRCUITS, TYP. ALL) (SEE SHT E110 FOR MORE DTL.)
5. DEMOLISH EXISTING WALL CLOCK, COMPLETE - TEMPORARILY CAP/SEAL ELEC & PREP FOR REUSE/RELOCATION ON SITE
6. TEMPORARILY CAP & SEAL ELEC CIRC. @ CLG MOUNTED PROJECTOR, PREPARE ELEC. FOR REUSE/RELOCATION ON SITE: SEE SHT E110 FOR NEW LOCATION (MAINTAIN EXISTING CIRCUITS, TYP. ALL)
7. REMOVE EXISTING WALL MOUNTED DATA TO FACILITATE WALL DEMOLITION: PREP DATA FOR REUSE, AS REQUIRED (THIS LOCATION ONLY)

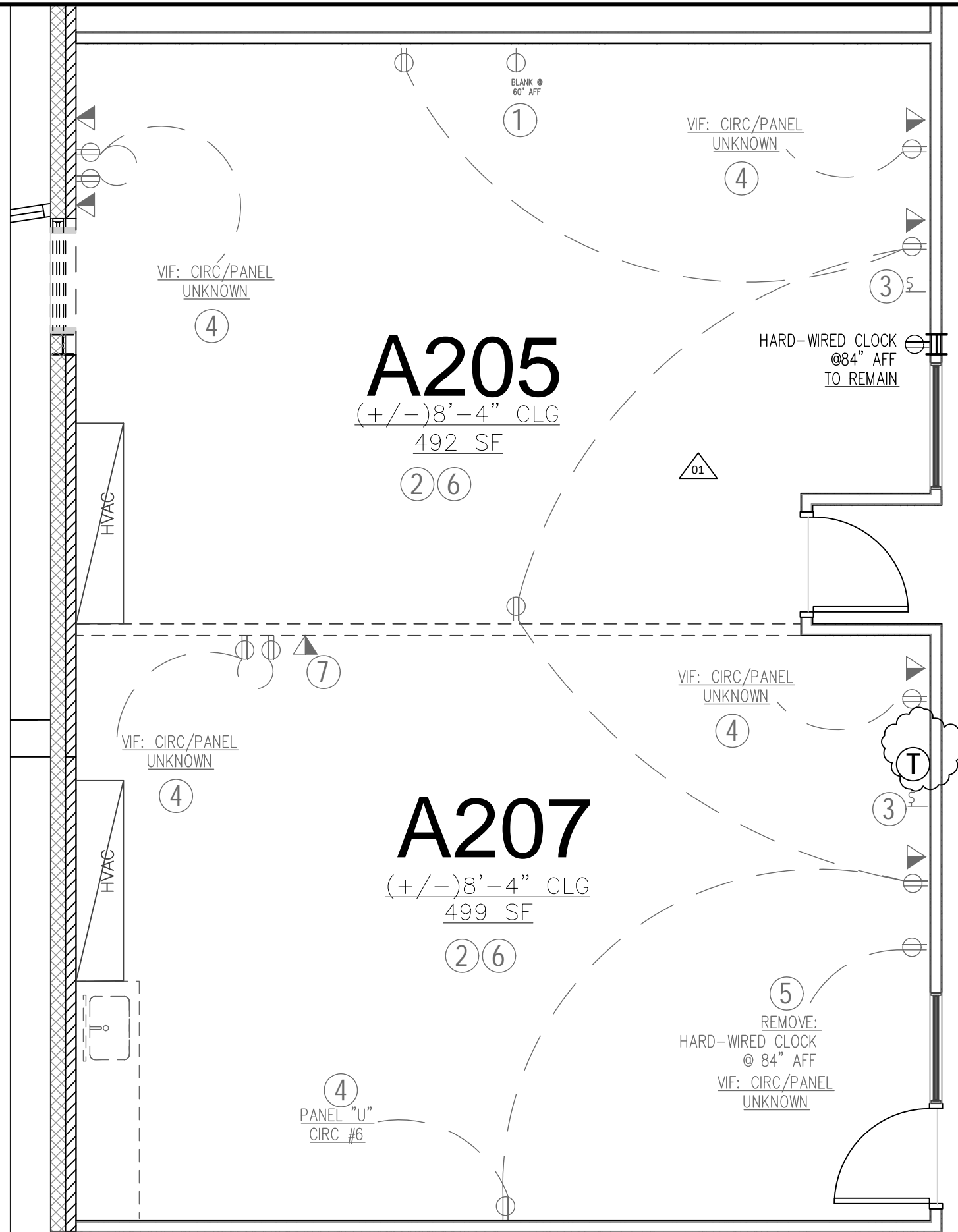
GENERAL NOTES

SEE SHT E098 FOR SPECIFICATIONS AND SYMBOLS LEGEND

DATA PROVIDED AND INSTALLED BY OTHERS. 01

EXISTING ELEC PANEL ("U")

1 ENTRY CANOPY LIGHTS	2 -
3 -	4 -
5 -	6 VIF: RECPT RM 207 & 205
7 -	8 -
9 -	10 VIF: RECEPT RM "L5"
11 -	12 OUTLETS RM 201
13 -	14 OUTLETS RM 201
15 -	16 -
17 VIF: HVAC RM 207	18 -
19 VIF: HVAC RM 205	20 -
21 -	22 -
23 -	24 -
25 -	26 -
27 -	28 - OUTLETS RM 203,205 & 207
29 -	30 - LIBRARY FL OUTLET



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NEW CONSTRUCTION NOTES

1. RELOCATE EXISTING CIRCUIT AS REQUIRED TO SUPPORT NEW WALL MOUNTED OUTLET AT COUNTER HEIGHT AS SHOWN, THIS LOCATION; PROVIDE & INSTALL NEW OUTLET COVER PER SPEC (COUNTERS WILL BE INSTALLED AT 36" AFF, THIS LOCATION); **A TOTAL OF (12) EXISTING OUTLETS WITH (7) EXISTING CIRCUITS WILL BE RELOCATED ON SITE, WHERE SHOWN FOR REUSE.**
2. NEW CLG MOUNTED DATA BY OTHERS (EACH NEW DATA DROP SHALL BE A QUAD DATA DROP): **NOTE TO GC: ALL DATA BY OTHERS.**
3. RELOCATE EXISTING WALL MOUNTED LIGHT SWITCH AS SHOWN (MAINTAIN EXISTING LIGHT CIRC.); PROVIDE & INSTALL NEW LIGHT SWITCH COVER PER SPEC.
4. EXISTING DATA SHALL BE **RELOCATED BY OTHERS**: OTHERS SHALL: MODIFY EXISTING WALL MOUNTED DATA AS REQUIRED TO ACCOMMODATE A DOUBLE, WALL MOUNTED RUN W/ NEW COVER PER SPECS ON SHT. E098 & AT COUNTER HEIGHT, THIS LOCATION (COUNTERS WILL BE INSTALLED AT +/- 36" AFF, THIS LOCATION BY OTHERS) **NOTE TO GC: ALL DATA BY OTHERS.**
5. NEW WALL MOUNTED DATA PORTS WILL BE PROVIDED AND INSTALLED BY OTHERS: NEW DATA SHALL ACCOMMODATE A FUTURE DOUBLE PORT INSTALLED BY OTHERS, (NO EXISTING OR NEW DATA WILL BE INSTALLED AT THIS LOCATION) **NOTE TO GC: ALL DATA BY OTHERS.**
6. **INSTALL NEW CLG MOUNTED QUAD OUTLET TO SUPPORT NEW CLG MOUNTED CORD REEL PER SPECS;** (GC TO ENSURE THAT EACH CIRCUIT SUPPORTS A MINIMUM OF (2) CORD REELS AT EACH LOCATION)
7. **RELOCATE EXISTING CLG MOUNTED OUTLET (CIRCUIT) AS REQUIRED TO SUPPORT NEW CLG MOUNTED CORD REEL INSTALL NEW CEILING MOUNTED OUTLET COVER PER SPEC (GC TO ENSURE THAT EACH CIRCUIT SUPPORTS A MINIMUM OF (2) CORD REELS).** **A TOTAL OF (2) EXISTING CEILING MOUNTED OUTLETS WILL BE RELOCATED ON SITE, WHERE SHOWN FOR REUSE. TRACE, IDENTIFY AND MAINTAIN EXISTING CIRCUIT WHERE POSSIBLE.**

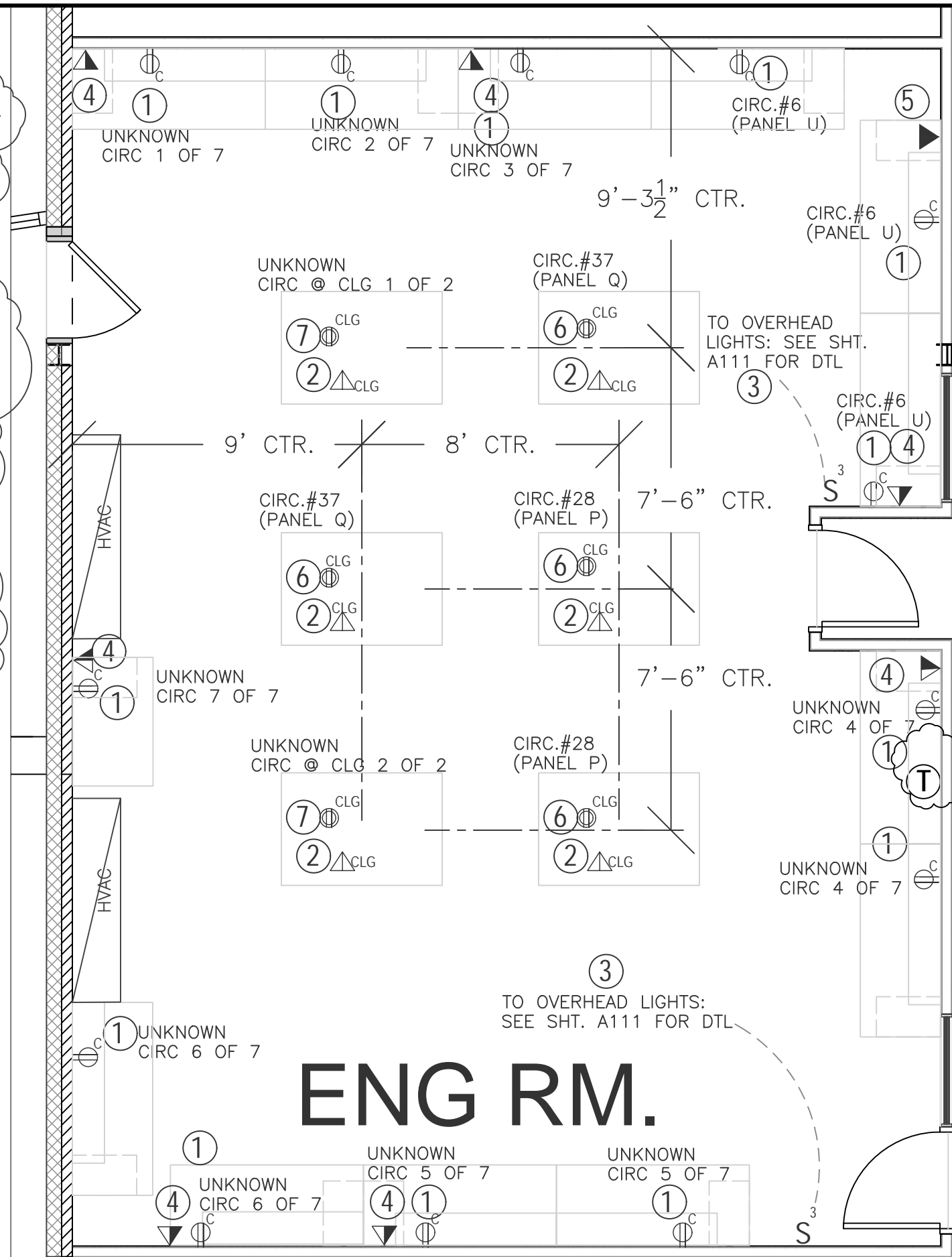
GENERAL NOTES

SEE SHT E098 FOR SPECIFICATIONS AND SYMBOLS LEGEND

DATA PROVIDED AND INSTALLED BY OTHERS.

EXISTING ELEC PANEL ("U")

1 ENTRY CANOPY LIGHTS	2 -
3 -	4 -
5 -	6 VIF: RECPT RM 207 & 205
7 -	8 -
9 -	10 VIF: RECEPT RM "L5"
11 -	12 OUTLETS RM 201
13 -	14 OUTLETS RM 201
15 -	16 -
17 VIF: HVAC RM 207	18 -
19 VIF: HVAC RM 205	20 -
21 -	22 -
23 -	24 -
25 -	26 -
27 -	28 - OUTLETS RM 203,205 & 207
29 -	30 - LIBRARY FL OUTLET



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

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BUFORD MIDDLE SCHOOL
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NEW ELEC./DATA PLAN
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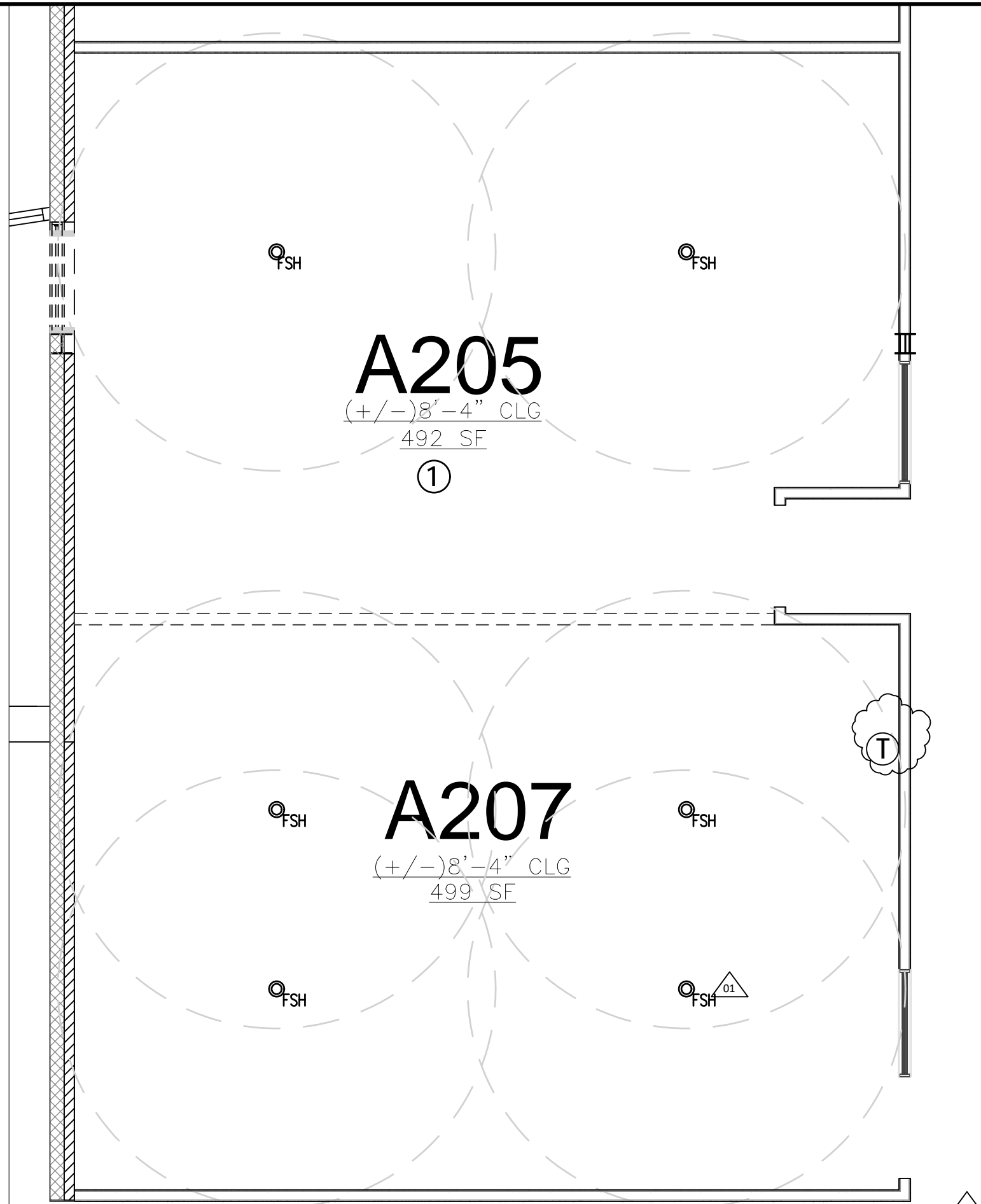
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DEMOLITION NOTES


- CONTRACTOR TO PREP EXISTING FIRE SPRINKLER SYS TO RECEIVE (2) NEW SPRINKLER HEADS AS REQUIRED PER IBC/NFPA 13 REQUIREMENTS FOR USE GROUP TYPE E- WILL REQUIRE COORDINATION & TESTING THROUGH FACILITIES MAINTENANCE. CONTRACTOR TO PROVIDE ENGINEERING/SHOP DRAWINGS TO ACCOMPLISH THE WORK AS REQUIRED.

GENERAL NOTES

RESERVED



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

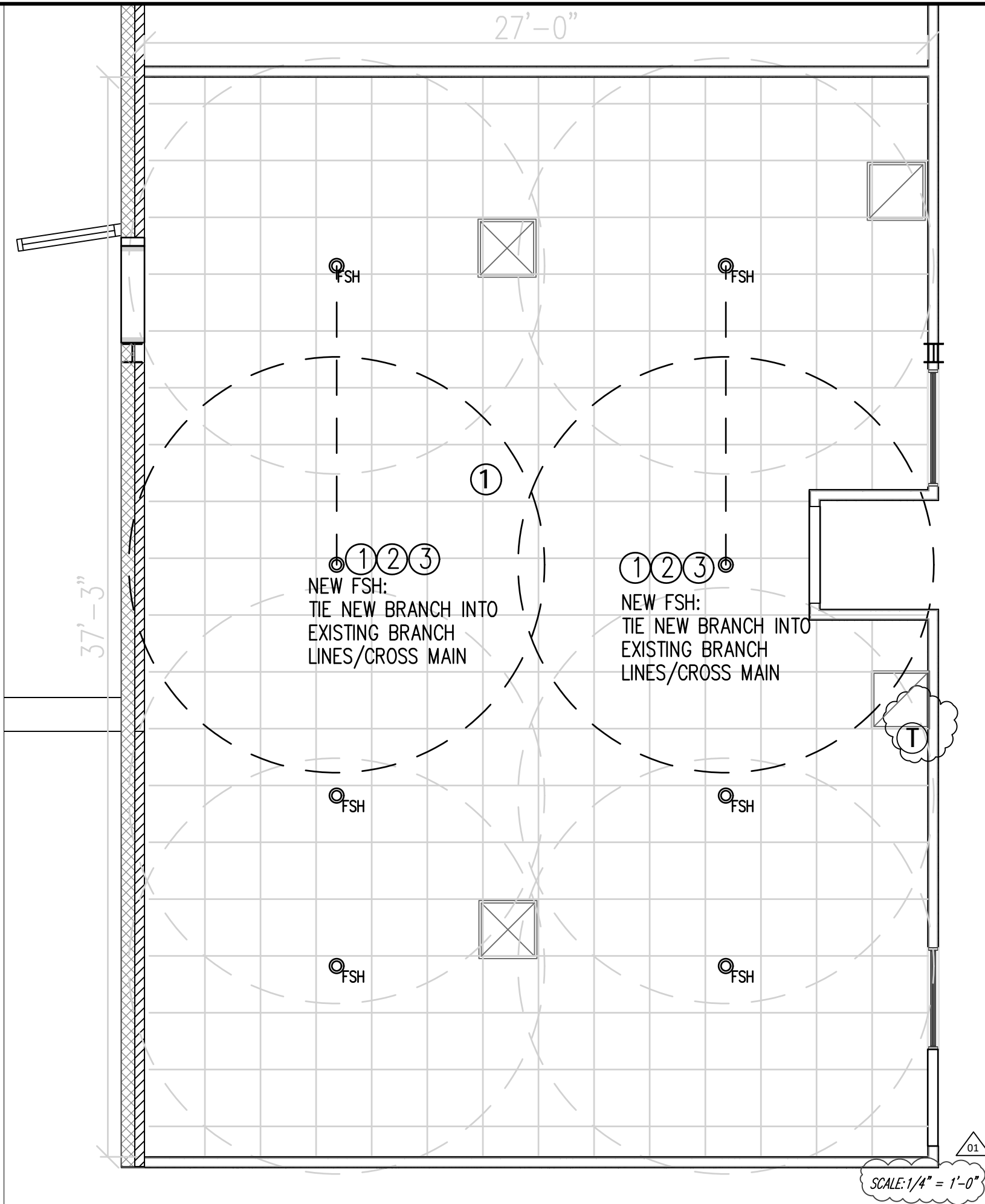
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BUFORD MIDDLE SCHOOL ENGINEERING CLASSROOM		LS-100	
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NEW CONSTRUCTION NOTES

1. PROVIDE & INSTALL (2) NEW SPRINKLER HEADS IN ACCORDANCE W/ IBC/NFPA 13 REQUIREMENTS FOR USE GROUP TYPE E- WILL REQUIRE COORDINATION & TESTING THROUGH FACILITIES MAINTENANCE. CONTRACTOR TO PROVIDE ENGINEERING/SHOP DRAWINGS TO ACCOMPLISH THE WORK AS REQUIRED.
2. PROVIDE & INSTALL (2) NEW BRANCH LINES AS REQUIRED TO SUPPORT (2) NEW SPRINKLER HEADS; TIE NEW BRANCH LINE INTO EXISTING & IN ACCORDANCE W/ IBC/NFPA 13 REQUIREMENTS - WILL REQUIRE COORDINATION & TESTING THROUGH FACILITIES MAINTENANCE.
3. TEST MODIFIED SPRINKLER SYSTEM & ALARM PRIOR TO CLOSE OUT: REQUIRES COORDINATION THROUGH FACILITIES MAINTENANCE.

GENERAL NOTES

RESERVED



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NEW LIFE SAFETY PLAN
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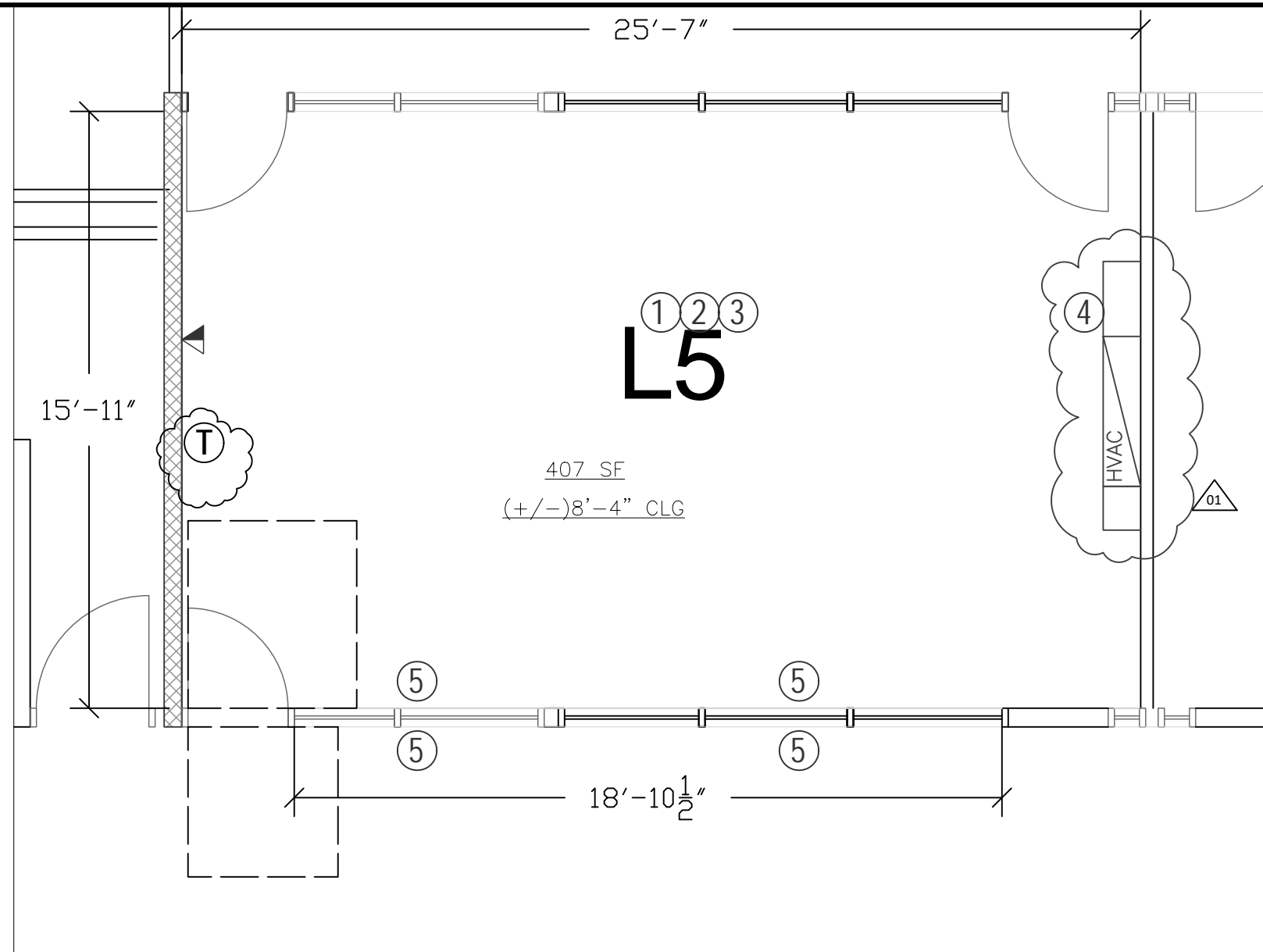


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DEMOLITION NOTES

1. REMOVE EXISTING FURNITURE /RELOCATE ON SITE AND/OR AS REQUIRED BY OWNER (OWNER INVENTORY).
2. ALL WALL MOUNTED EQUIPMENT SHALL BE REMOVED & PREPPED FOR REUSE OR STORAGE (OWNER INVENTORY).
3. PREPARE EXISTING FLOOR TO BE CLEANED & WAXED, AS REQUIRED.
4. BUILT IN SHELVES TO REMAIN
5. CAREFULLY REMOVE PAINTED PARTICLE BOARD COVERING EXISTING GLASS WINDOWS. PARTICLE BOARDS ARE GLUED IN PLACE AND SHALL BE REMOVED FROM BOTH SIDES OF THE GLASS BUT ONLY ON WINDOWS THAT FACE THE CORRIDOR; REMOVE ANY PAINT APPLIED TO GLASS SURFACE AS/IF REQUIRED. (THIS APPLIES TO ONLY ONE (1) WALL AT THE LOCATION SHOWN IN PLAN); ENSURE THAT EXPOSED GLASS WINDOWS ARE FREE FROM PAINT/CONSTRUCTION ADHESIVE AT THIS LOCATION.

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BUFORD MIDDLE SCHOOL
ENGINEERING CLASSROOM

DEMOLITION PLAN
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GENERAL NOTES

Perform demolition work using methods that prevent or reduce alteration to existing structural or operational elements or use methods that otherwise avoid material changes to existing structural or operational elements that would void or significantly alter the original installation intent (*i.e.: carrying weight, deflecting load, providing air and smoke barriers; function of existing electrical/mechanical/plumbing systems*) and/or create a need for additional maintenance or otherwise impact operation as designed.

WHERE INDICATED ABOVE, FURNITURE/EQUIPMENT/FIXTURES MARKED AS "OWNER INVENTORY" WILL BE CAREFULLY REMOVED & SET ASIDE FOR RELOCATION ON SITE AND/OR TO THE PW SURPLUS WAREHOUSE [W.H.O., 325 4TH STREET, NW, CHARLOTTESVILLE, VA.]; GC TO INCLUDE COORDINATING RELOCATION AND/OR DELIVERY IN PROJECT COST

01
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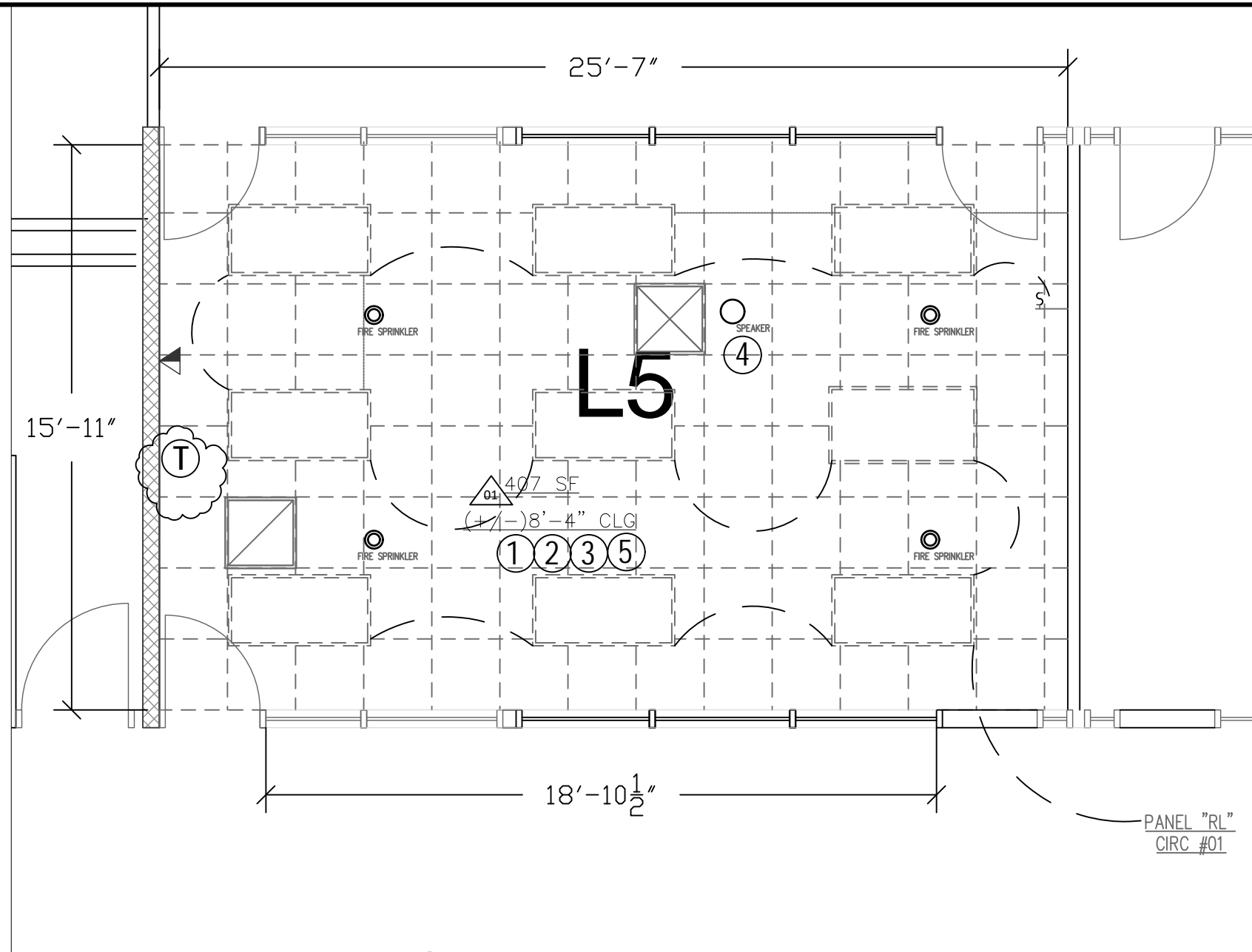
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DEMOLITION NOTES

1. DEMOLISH ALL EXISTING LIGHTS & RELATED FIXTURES, PREP EXISTING CIRCUIT FOR REUSE ON SITE (SEE SHT E110B FOR MORE DETAIL)
2. REMOVE EXISTING SUPPLY & RETURN COVERS FOR CLEANING ONLY: HVAC DUCTING TO REMAIN AS-IS & W/ MIN. RECONFIGURATION TO ACCOMMODATE NEW DROP CLG. (SEE SHT A 110 FOR MORE DTL)
3. REMOVE EXISTING DROP CLG AND FRAME; CLEAN & PREP EXISTING TO RECEIVE NEW DROP CLG AND FRAME IF REQUIRED.
4. CAREFULLY REMOVE CLG MOUNTED SPEAKER IF REQUIRED TO DEMOLISH EXISTING DROP CLG AND FRAME; PREP CLG MOUNTED SPEAKER FOR REINSTALLATION ON SITE, AS IS WHERE IS.
5. NO CHANGES OR ADJUSTMENTS SHALL BE MADE TO EXISTING FIRE SPRINKLER SYSTEM.

GENERAL NOTES

DATA PROVIDED AND INSTALLED BY OTHERS. ⁰¹



EXISTING ELEC PANEL ("RL")

1 LIGHTS RM "L5"	2 VIF
3 VIF	4 VIF
5 VIF	6 VIF
7 VIF	8 VIF
9 VIF	10 VIF
11	12 VIF
13	14
15	16
17	18
19 VIF	

⁰¹
SCALE: 1/4" = 1'-0"

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BUFORD MIDDLE SCHOOL
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RCP DEMOLITION PLAN
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NEW CONSTRUCTION NOTES

1. RELOCATE ALL EXISTING FURNITURE FROM ROOMS A205 & A207 INTO THIS ROOM & PER NOTES ON SHT A100

2. PAINT EXISTING WALLS PER SPECS using No/Low VOC paint by one of the following manufacturers: Benjamin Moore, Sherwin Williams; Glidden Professional or PPG Industries in Color "SW 7005, Pure White" (or to match SW7005). (PAINT SURFACE MOUNTED BLOCKING AND ANY BUILT IN SHELVES TO MATCH WALL COLOR.)

3. PROVIDE & INSTALL NEW DROP CLG & FRAME (SEE SHT A111 B)

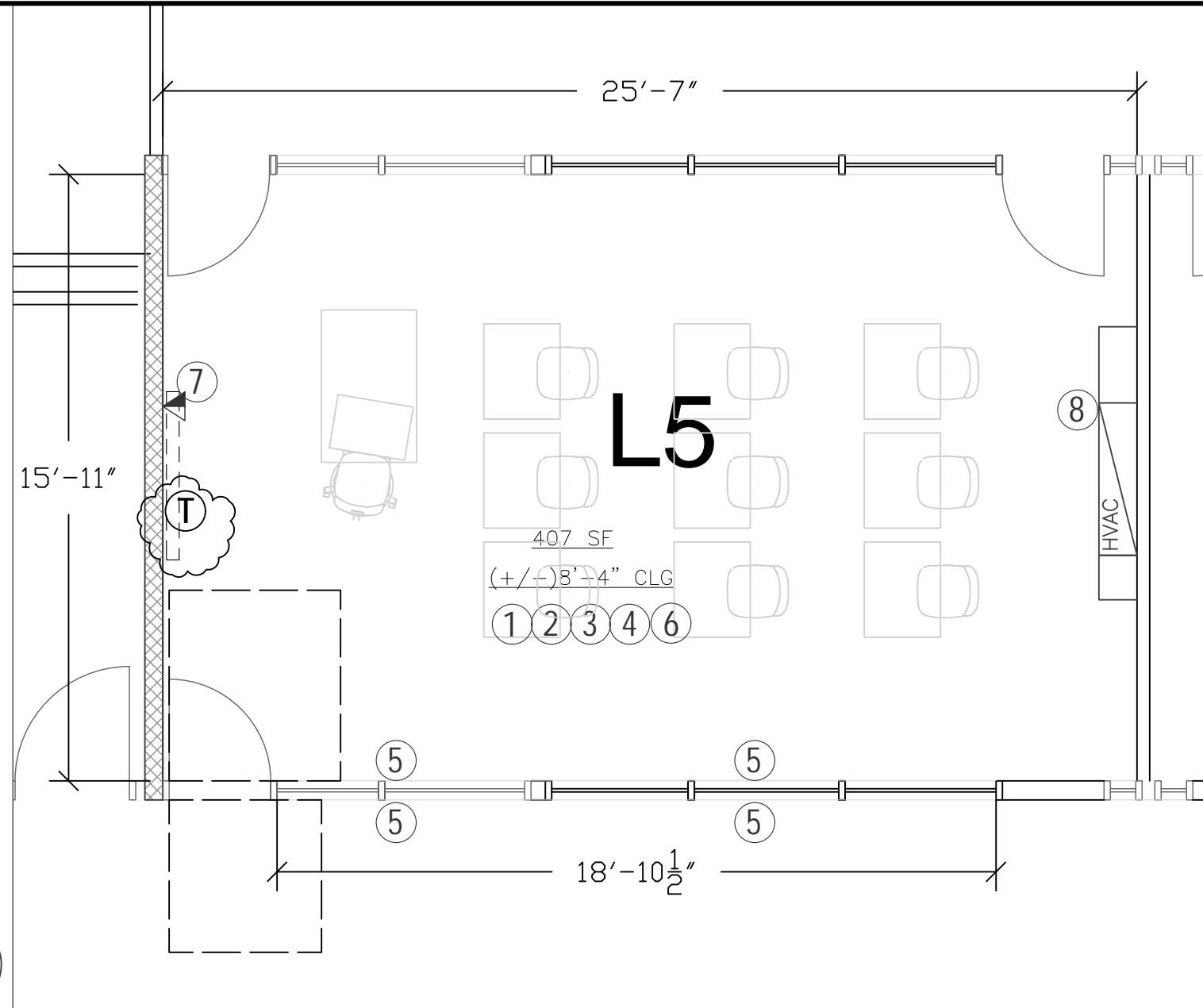
4. CLEAN AND WAX EXISTING FLOORS USING LOW/NO VOC PRODUCTS (SUBMIT CUT SHEETS FOR CLEANING AND WAX SUPPLIES)

5. ENSURE THAT ALL EXISTING LAYERS OF PAINT COVERING BOTH SIDES OF THE (5) FLOOR TO CEILING GLASS WINDOW WALLS THAT FACE THE CORRIDOR ARE REMOVED AND THAT WINDOWS ARE CLEAN, FREE OF PAINT OR DEBRIS (THIS APPLIES TO ONLY ONE (1) WALL AT THE LOCATION SHOWN IN PLAN); USE A LOW/NO VOC PRODUCT (SUBMIT CUT SHEETS FOR PAINT DISSOLVER AND CLEANING SUPPLIES/SOLVENTS)

6. PATCH WALLS/WALL FINISHES AS REQUIRED WHERE DATA/ELEC OUTLETS HAVE BEEN REMOVED AND/OR WHERE EQUIPMENT HAS BEEN REMOVED OR DEMOLISHED AND/OR WHERE DOORS/WINDOWS OR EXISTING BUILDING COMPONENTS (INCL. FLOOR FINISHES AND WALL FRAMING) HAVE BEEN REMOVED/DEMOLISHED. EXISTING WALL(S)/REPAIRS: Repair/patch all existing cosmetic Masonry/CMU walls as needed; As required, use filler "Bondo" for Masonry/CMU wall repair.

7. Provide and install surface mounted solid blocking where required for support of other work. Blocking furring, and other wood in contact with conc./masonry, shall be pressure treated Kiln-dried lumber (to 15% moisture content after treatment). Height Abv Fin. Fl. TBD ON SITE BY CITY PROJECT MANAGER. PAINT SURFACE MOUNTED BLOCKING TO MATCH WALL COLOR.: COORDINATE WITH ELECTRICAL & DATA INSTALLATION

8. PAINT EXISTING BUILT IN BOOKSHELVES, FOR COMPLETE COVERAGE PER SPECS AND PER NOTE #2 (THIS SHT.)



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NEW FLOOR PLAN
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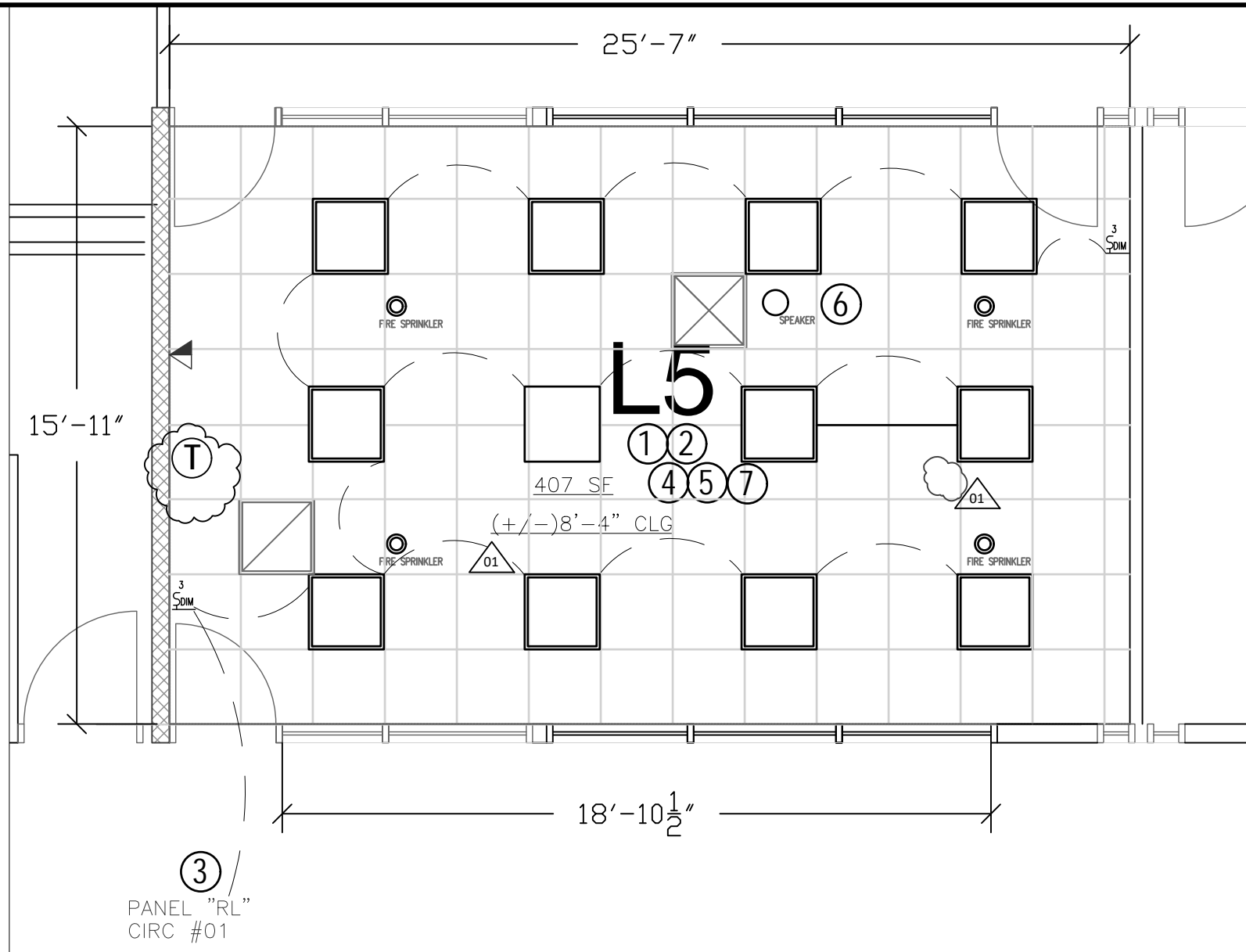
SCALE: 1/4" = 1'-0"

NEW CONSTRUCTION NOTES

- INSTALL NEW DROP CLG: HVAC RETURN & SUPPLY VENTS TO REMAIN AS IS-WHERE IS AND WITH MINIMAL ADJUSTMENT TO ACCOMMODATE INSTALLATION OF NEW DROP CLG AND FRAME; Ceiling height for all new ceilings will be as close to pre-existing height as possible. 24"x24" ACT system (Armstrong, LYRA HIGH CAC #8730 PF Square Tegular Tiles with Prelude $\frac{15}{16}$ " suspension system).
- INSTALL NEW LIGHTS & WALL MOUNTED SWITCHES (@ 2 LOCATIONS) PER SPECS ON SHT E098 (BOD RAB EZPANFA2x2/DI0 EDGELIT FLAT PANEL 2x2 30W 4000K (0-10V DIMMING) W/ LUT DVSTV-WH DIVA 0-10 W/SWITCHING BOX-DVSTV-WH.): PROVIDE AND INSTALL (2) DIMMING SWITCHES AT (2) LOCATIONS PER PLAN.
- MAINTAIN EXISTING CIRCUIT FOR NEW LIGHTS (PANEL RL, CIRC. 01)
- CLEAN & REINSTALL EXISTING SUPPLY COVERS
- CLEAN & REINSTALL EXISTING RETURN COVERS
- REINSTALL EXISTING CLG MOUNTED SPEAKER
- MAKE NO CHANGES OR ADJUSTMENTS TO EXISTING FIRE SPRINKLER SYSTEM.

GENERAL NOTES

DATA PROVIDED AND INSTALLED BY OTHERS.



EXISTING ELEC PANEL ("RL")

1 LIGHTS RM "L5"	2 VIF
3 VIF	4 VIF
5 VIF	6 VIF
7 VIF	8 VIF
9 VIF	10 VIF
11	12 VIF
13	14
15	16
17	18
19 VIF	

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

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DEMOLITION NOTES

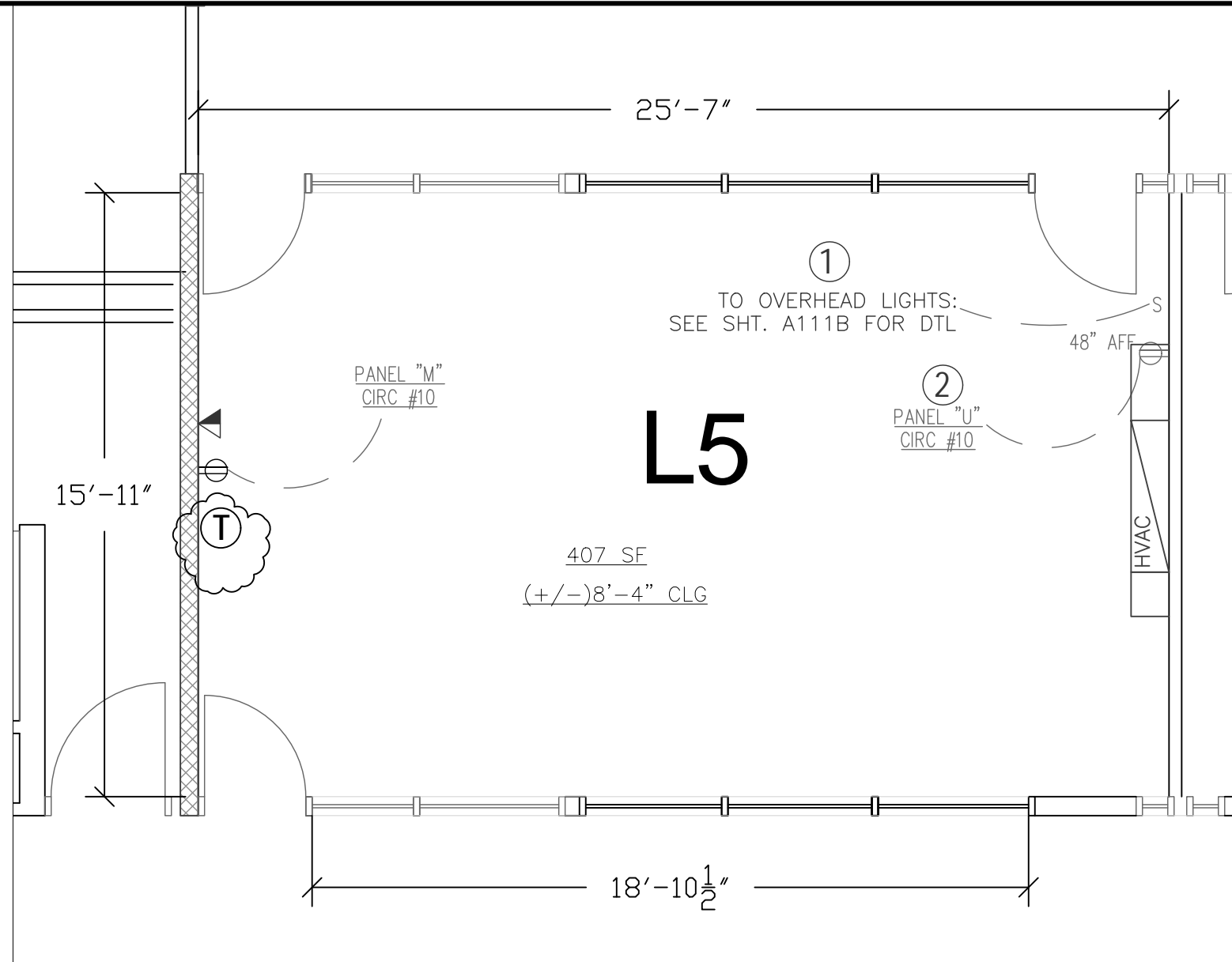
- EXISTING WALL MOUNTED LIGHT SWITCH TO REMAIN, PREP FOR REUSE ON SITE AS REQUIRED
- TEMPORARILY CAP AND SEAL EXISTING ELEC. CIRC. PREP FOR RELOCATION/REUSE ON SITE

GENERAL NOTES

SEE SHT E098 FOR SPECIFICATIONS AND SYMBOLS LEGEND

DATA PROVIDED AND INSTALLED BY OTHERS.

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01

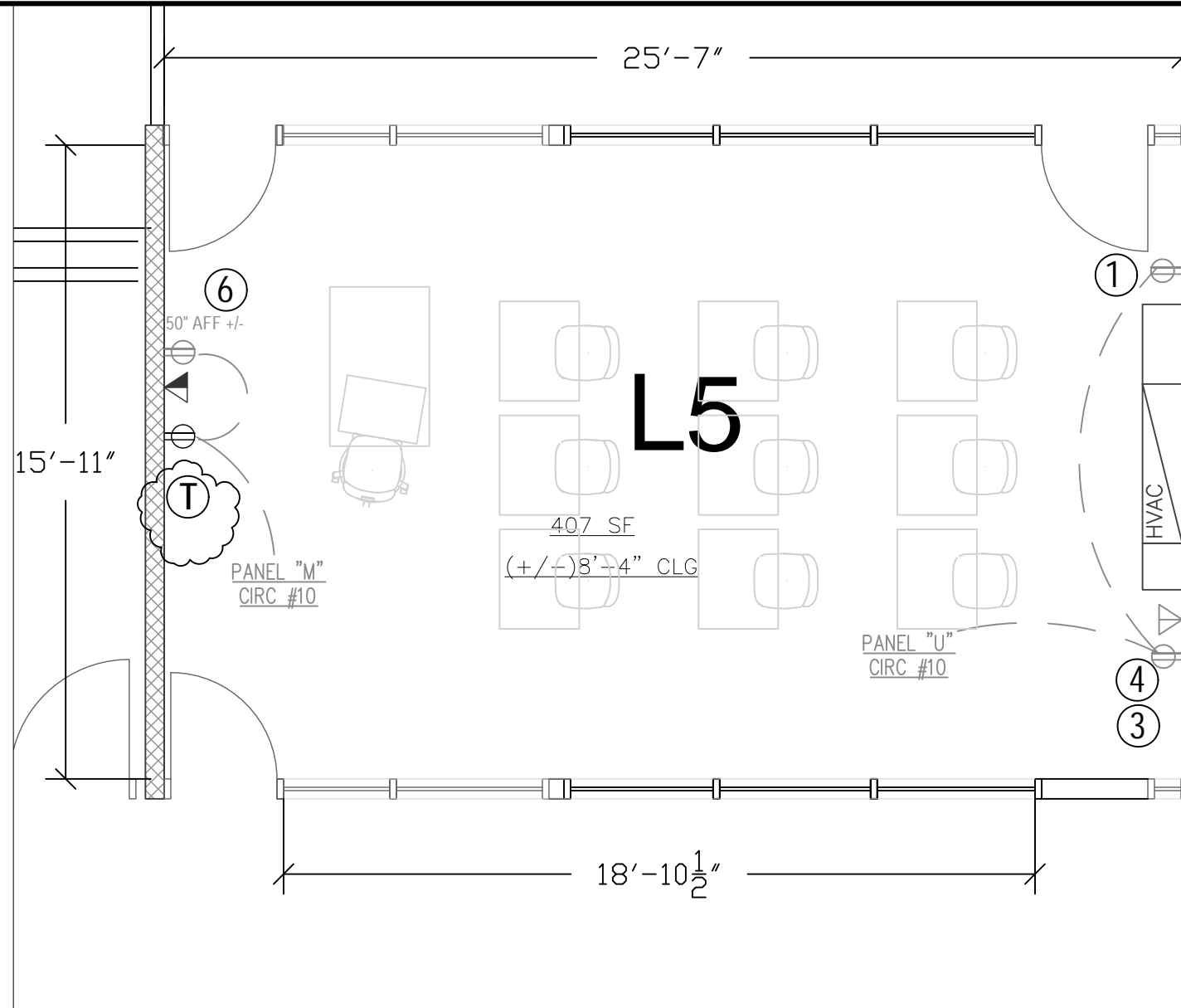
DEMOLITION NOTES

1. RELOCATE EXISTING WALL MOUNTED OUTLET T AS, THIS LOCATION; PROVIDE & INSTALL NEW OUTLET COVER PER SPEC.
2. RESERVED
3. PROVIDE AND INSTALL NEW WALL MOUNTED DATA PER SPECS, AND WHERE SHOWN; ALL DATA SHALL BE PROVIDED & INSTALLED BY OTHERS
4. PROVIDE AND INSTALL NEW WALL MOUNTED OUTLET (MAINTAIN EXISTING CIRCUIT, CIRC #10 ON PANEL U)
5. RESERVED
6. PROVIDE AND INSTALL NEW WALL MOUNTED OUTLET (MAINTAIN EXISTING CIRCUIT, CIRC #10 ON PANEL M)

GENERAL NOTES

SEE SHT E098 FOR SPECIFICATIONS AND SYMBOLS LEGEND

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