

MTC NORTHLAKE COMMUNITY LEARNING CENTER

06/21/23

H59-N226-CL

MTC NORTHLAKE COMMUNITY LEARNING CENTER

INTERIOR RENOVATIONS

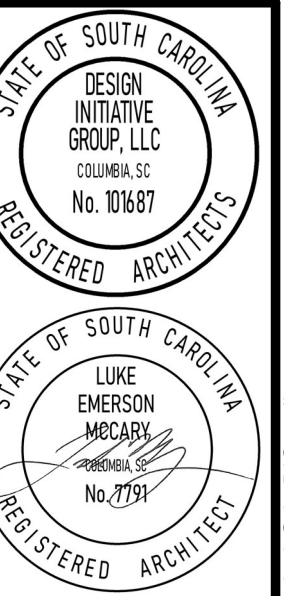
BID DOCUMENTS

06.21.23

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DESIGN INITIATIVE GROUP



DESIGN INITIATIVE GROUP
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LEXINGTON, SC 29072

H59-N226-CL NORTHLAKE COMMUNITY LEARNING CENTER
702 NORTH LAKE DRIVE
LEXINGTON, SOUTH CAROLINA 29072

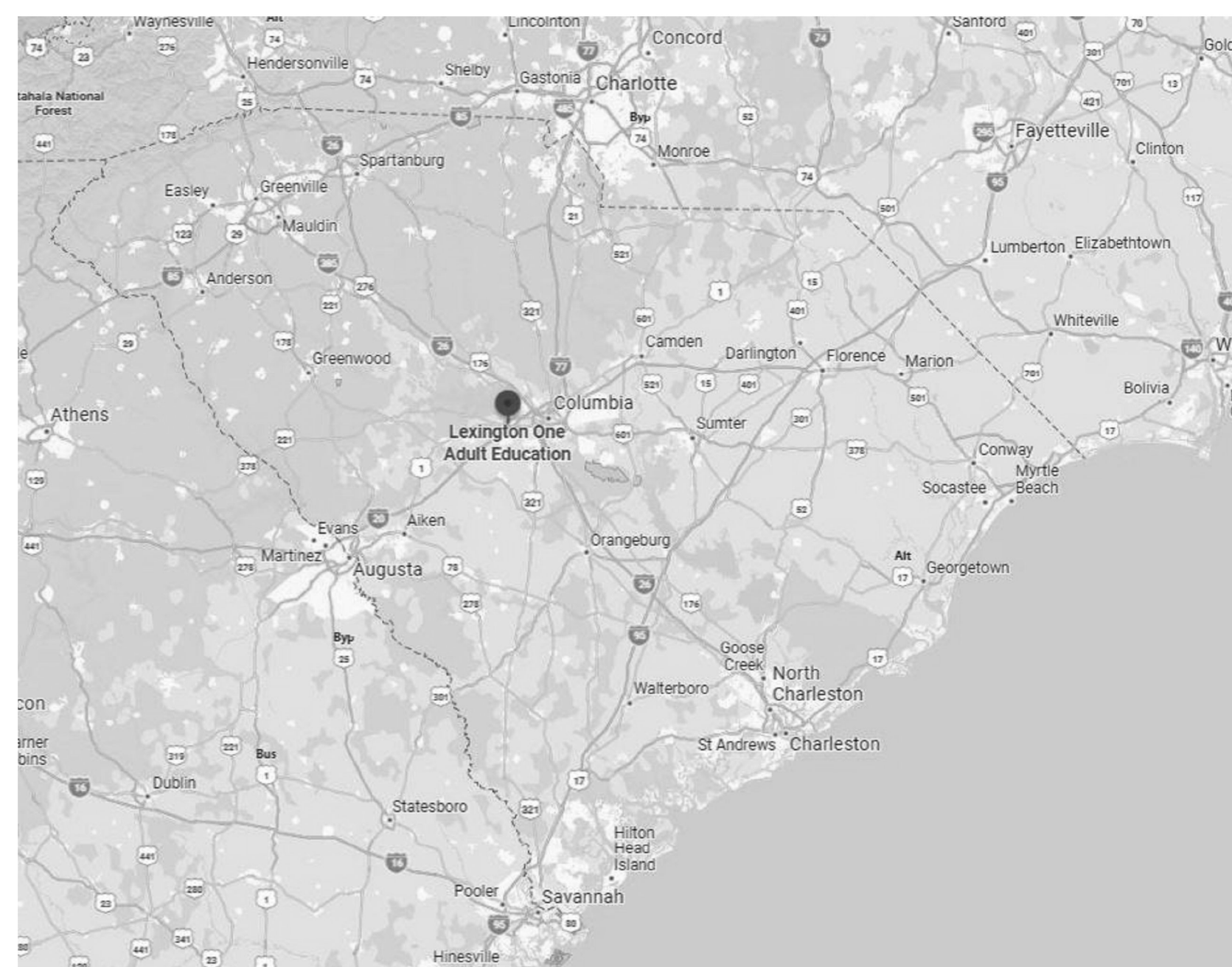
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COVER

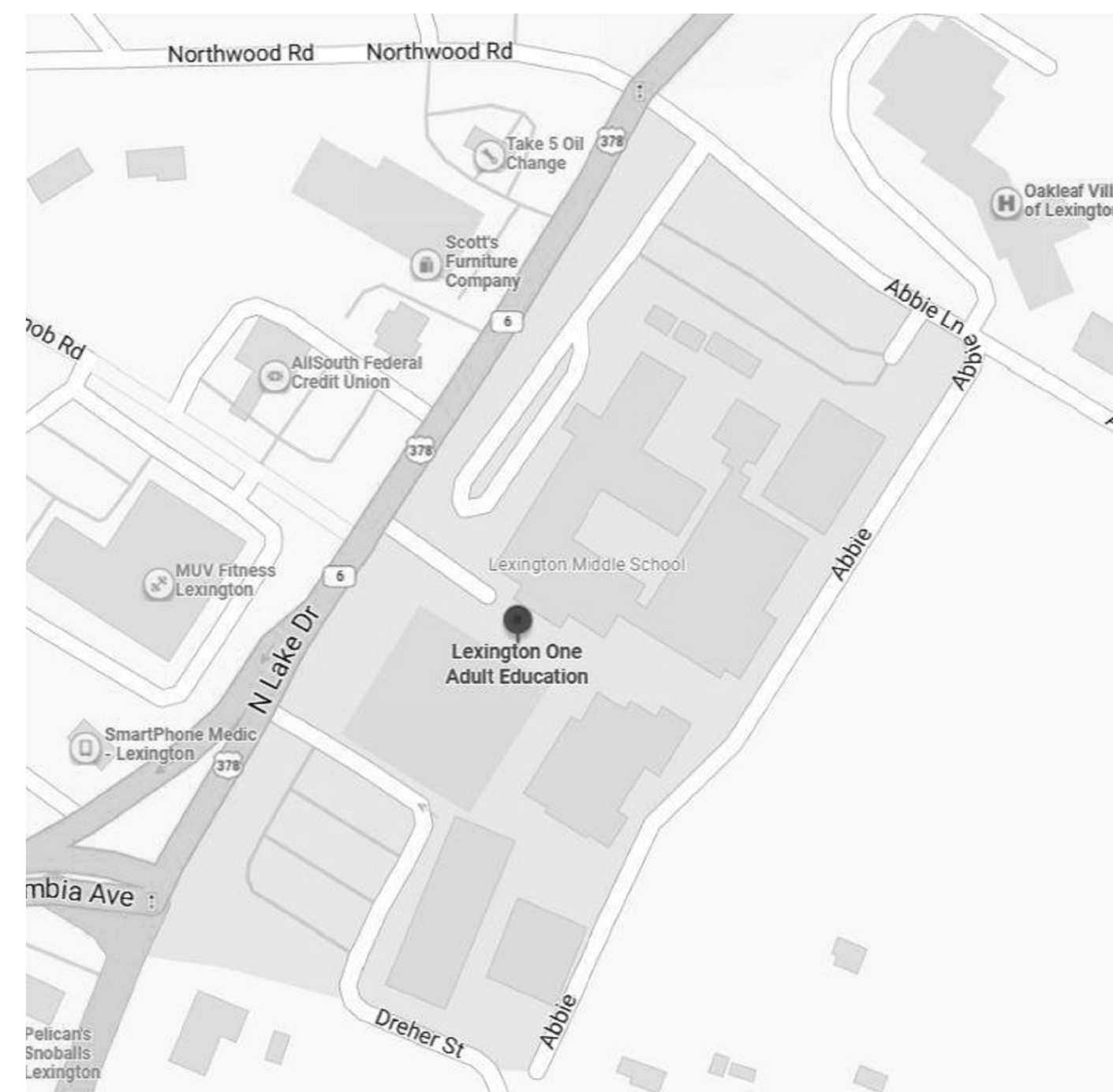
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T1.0

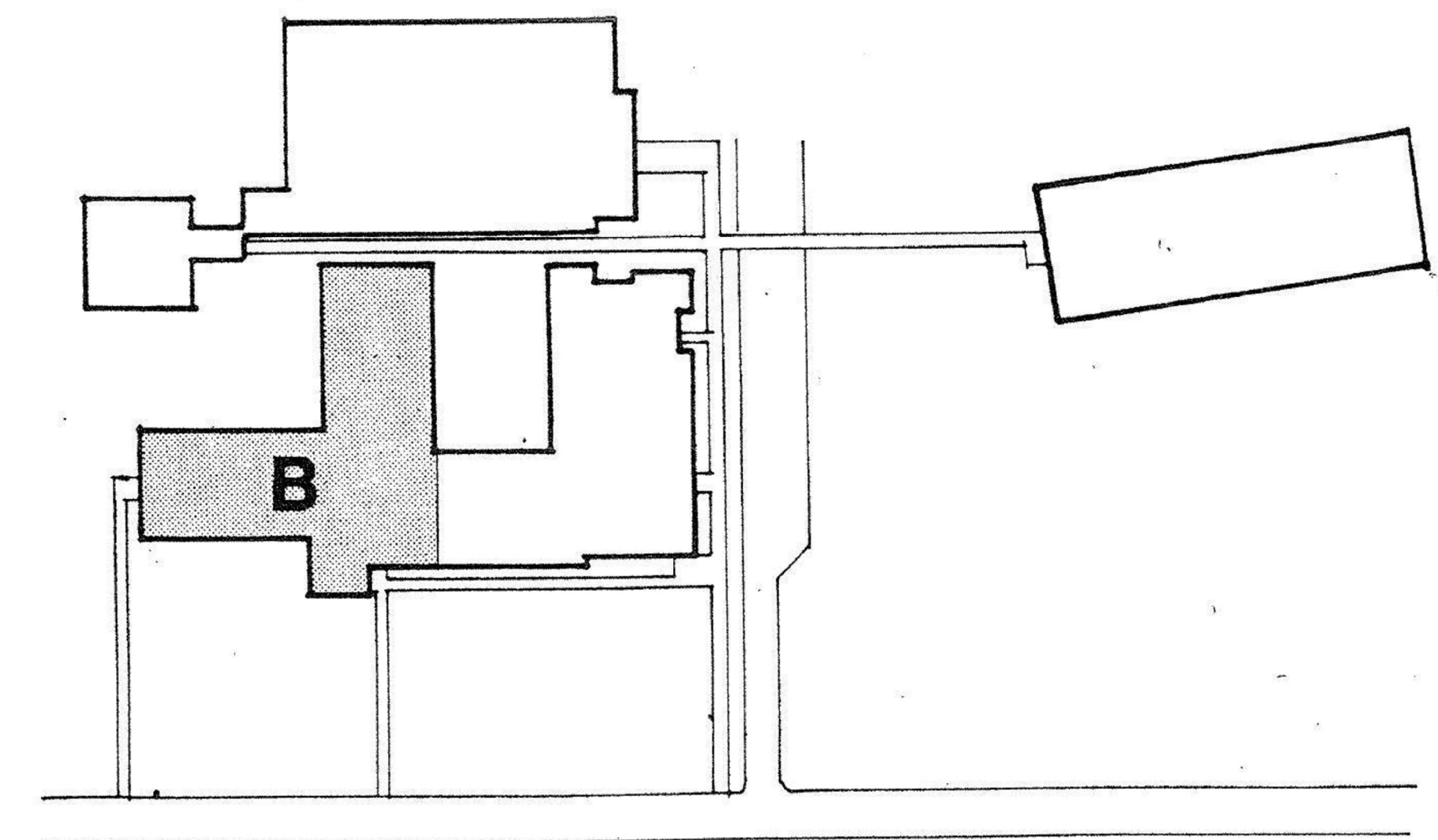
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STATE MAP



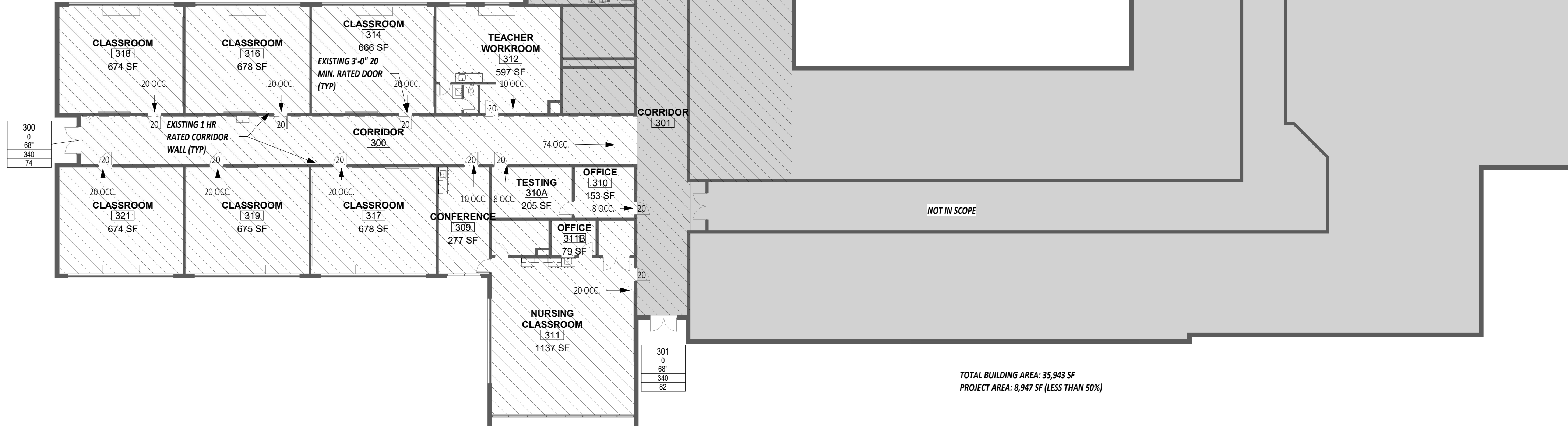
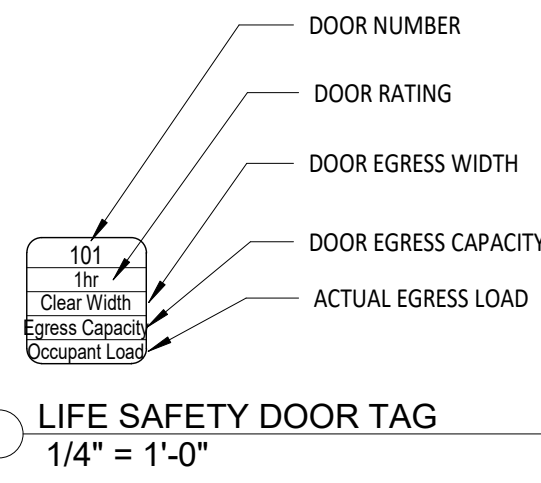
VICINITY MAP



CAMPUS MAP

PROJECT SCOPE AND NOTES:

- PROJECT INCLUDES MINOR DEMOLITION OF CASEWORK, SINKS, CEILING TILES, LIGHTS AND OTHER SMALL INTERIOR ELEMENTS. NEW CONSTRUCTION INCLUDES FINISHES, LIGHTS, SWITCHES, POWER AND DATA INFRASTRUCTURE, CASEWORK AND OTHER MINOR INTERIOR ITEMS.
- NO RECONFIGURATION OF WALLS OR SPACES IS INCLUDED
- NO BATHROOM RENOVATIONS ARE INCLUDED. EXISTING BATHROOMS TO REMAIN.
- ENTIRE BUILDING OCCUPANCY IS "B". NO K-2 STUDENT FUNCTIONS ARE INCLUDED IN THE BUILDING
- BUILDING OWNER IS LEXINGTON SCHOOL DISTRICT 1.



1 FLOOR PLAN - CODE
1/16" = 1'-0"

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TABLE 4 - BUILDING HEIGHT & AREA

BUILDING HEIGHT	AS DESIGNED		AS ALLOWED BY IBC	
	In Feet	In Stories	In Feet	In Stories
IBC TABLE 504.3	20	N/A	55	N/A
IBC TABLE 504.4	N/A	1	N/A	3
TOTAL HEIGHT (including any Allowable Increase)	20	1	55	3

BUILDING AREA

AREA LIMIT AS ALLOWED BY IBC TABLE 506.2 (area limitation for each story) 19,000 SF

AREA INCREASES AS ALLOWED BY IBC SECTIONS 506.2 & 506.3 (maximum modified area for each story) SF

EXPLANATION OF INCREASES:

AREA AS ALLOWED BY IBC

Story: SF (area this story)

Story: SF (area this story)

Story: SF (area this story)

Story: SF (area this story)

Story: SF (area this story)

TOTAL AREA OF BUILDING ALLOWED BY IBC (sum of all stories) SF

AREA AS DESIGNED

Story: 1 35,943 SF (area this story)

Story: SF (area this story)

Story: SF (area this story)

Story: SF (area this story)

Story: SF (area this story)

TOTAL DESIGNED AREA OF BUILDING (summary of all stories) SF

NOTE: WING IS DEFINED AS ALL SPACES USING CORRIDOR 300 AND 301 THAT WOULD BE EXPECTED TO USE THE EXISTING BATHROOMS IN CORRIDOR 301

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TABLE 5 - BUILDING DESIGN OCCUPANT LOAD

STORY	FUNCTION OF SPACE (1)	A FLOOR AREA (2) (NSF or GSF)	B MAX AREA ALLOWED PER OCCUPANT (3) (NSF or GSF)	C OCCUPANTS ON FLOOR FOR THIS FUNCTION (4)	D DESIGN OCCUPANT LOAD (5)
1	B	35943	150	240	
Subtotal Design Occupant Load for This Story					240
WING	B	16243	150	109	
Subtotal Design Occupant Load for This Story					
Subtotal Design Occupant Load for This Story					
Subtotal Design Occupant Load for This Story					
TOTAL BUILDING DESIGN OCCUPANT LOAD					240 (6)

FOOTNOTES:

- Provide the complete name of the Function of Space using the left column of Table 1004.5 of the IBC (1)
- Design Area per each occupant of this Function on this Story in either Gross (GSF) or Net (NSF) Square Footage (2)
- Allowed Floor Areas in SF per occupant per right column in Table 1004.5 of the IBC (3)
- Divide Column A (2) by Column B (3) for each function and enter result, rounded up to the nearest whole person (4)
- Subtotal all Column C values for this floor to yield the Design Occupant Load (5)
- Total Building Design Occupant Load - sum of all Column D value (6)

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TABLE 6 - GENERAL FIRE PROTECTION REQUIREMENTS

SEPARATIONS	Yes	No
Fireblocking Required (IBC Section 718)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Draftstopping Required (IBC Section 718)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Smoke Control System Required (IBC Section 909)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Smoke Barriers Required (IBC Section 407 & 408)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Smoke Partitions Required (IBC Section 407)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Fire Partition Required (IBC Section 708)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Fire Barrier Required (IBC Section 707)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

ALARM & DETECTION

Fire Alarm System Required (IFC Section 907)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Emergency/Voice Alarm Communications System Required (IFC Section 907.5.2.2)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Fire Command Center Required (IFC Section 508)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

SUPPRESSION

Standpipes Required (IFC Section 905)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Sprinklers Required (IFC Section 903)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Sprinklers Provided ()	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Portable extinguishers required (IFC 906)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Other suppression systems required (IFC 904)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Smoke & heat vents required (IFC 910)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

OTHER: (Indicate other provided fire and life safety features not listed above, if any)

Emergency Responder Radio Coverage (IFC Section 510)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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FIRE ALARM IS EXISTING AND WILL REMAIN

NOTE: OWNER TO CONFIRM ALARMS FUNCTION AND ARE REGULARLY BEING TESTED PER 2021 IFC

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TABLE 7 - FIRE RESISTANCE RATING OF BUILDING ELEMENTS

BUILDING ELEMENT	RATING AS REQUIRED (in hours)	RATING AS DESIGNED (in hours)	TESTING AGENCY & DESIGN NO. (UL, FM, etc)	DESIGNERS WALL / PARTITION KEY CODE
Primary Structural Frame (IBC Table 601)	0	0		
Bearing Walls: (IBC Table 601)				
Exterior (IBC Table 705.5)	2	2	EXISTING	
Interior	0	0		
Nonbearing Walls & Partitions (IBC Table 601, including footnote "d" & 602)				
Exterior (IBC Table 705.5)	0	0		
Interior	0	0		
Floor Construction (IBC Table 601) (including supporting beams & joists)	0	0		
Roof Construction (IBC Table 601) (including supporting beams & joists)	0	0		
Fire Walls (IBC Section 706)	NA	NA		
Fire Barriers (IBC Section 707)	0	0		
Fire Partitions (IBC Section 708)	1	1	EXISTING	
Shaft Enclosures (IBC Section 713)	NA	NA		
Opening & Protective Listing by Category (fire shutters, doors, etc. - IBC Section 716)	20	20	DOORS EXIST.	
Others (as required by Designer)				

NOTE: Where a fire wall is necessary to separate buildings, each building is to be provided individual code criteria Tables 3 through 11. See IBC 503.1.2.

TABLE 3 - BASIC BUILDING CODE INFORMATION

CONSTRUCTION CLASSIFICATION (IBC 602)	Type: III-B	
OCCUPANCY CLASSIFICATION (indicate all) (IBC 302 & 504.2)	B	
MOST RESTRICTIVE OCCUPANCY CLASSIFICATION (IBC Tables 504.3, 504.4 & 506.2)	B	
Mixed Occupancy (IBC 508)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Separated (IBC 506.2.2 & 508.4)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Non separated (IBC 508.3)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Does building require Incidental Use Area Separation? (IBC 509.1)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2-way Communication Required (IBC 1009.6.5 & 1009.8)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Fire Apparatus Access and Water Line (IFC 503 & 507)	Yes <input type="checkbox"/>	No <input type="checkbox"/>

OTHER FIRE PROTECTION SYSTEMS, DEVICES or FEATURES

If the building has any special or notable fire protection or safety feature or hazard the designers should list them here, describe the performance characteristics and refer to locations in construction documents, (e.g. fire extinguishers, smoke- evacuation/control/compartments - IBC 414.1.3.)

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TABLE 3E - CODE INFORMATION FOR ADDITIONS, ALTERATIONS, OR CHANGE OF OCCUPANCY TO AN EXISTING STRUCTURE

TYPE OF PROJECT:

Alteration (IEBC Chaps. 7, 8 & 9) Addition (IEBC Chap. 11) Change of Occupancy (IEBC Chap. 10)

METHOD OF COMPLIANCE:

(Check only one Option and all items that apply under that Option.)

Option 1: Prescriptive Compliance Method (IEBC Chapter 5)

Option 2: Work Area Compliance Method (IEBC Chaps. 6-12)

Alteration Level 1, minor including reroofing (IEBC Chap. 7)

Alteration Level 2, reconfigurations of space (IEBC Chap. 8)

Alteration Level 3, work area exceeds 50% (IEBC Chap. 9)

Aggregate area of building: 35,943 SF

Work area: 8,947 SF

Option 3: Performance Compliance Method (IEBC Chap. 13)

Original Building Code and Edition Applicable at time of Construction: 1956/ 1988

Existing Sprinkler System? Yes No

Existing Fire Alarm System? Manual Auto

Seismic Evaluation Required? Yes No

Major Facility Project? (See §48-52-810(10)(a)) Yes No

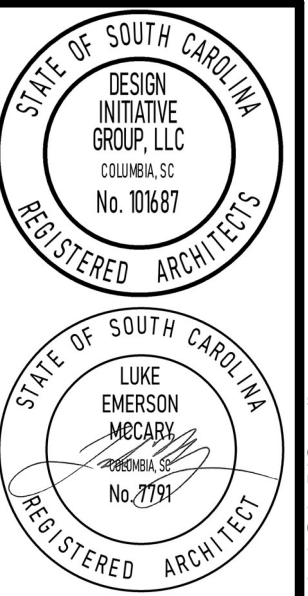
Change of Occupancy: Yes No

Existing Occupancy Classification(s): B

New Occupancy Classification(s): B

Historic Building (IEBC Chapter 12): Yes No

Preservation Rehabilitation Restoration Reconstruction



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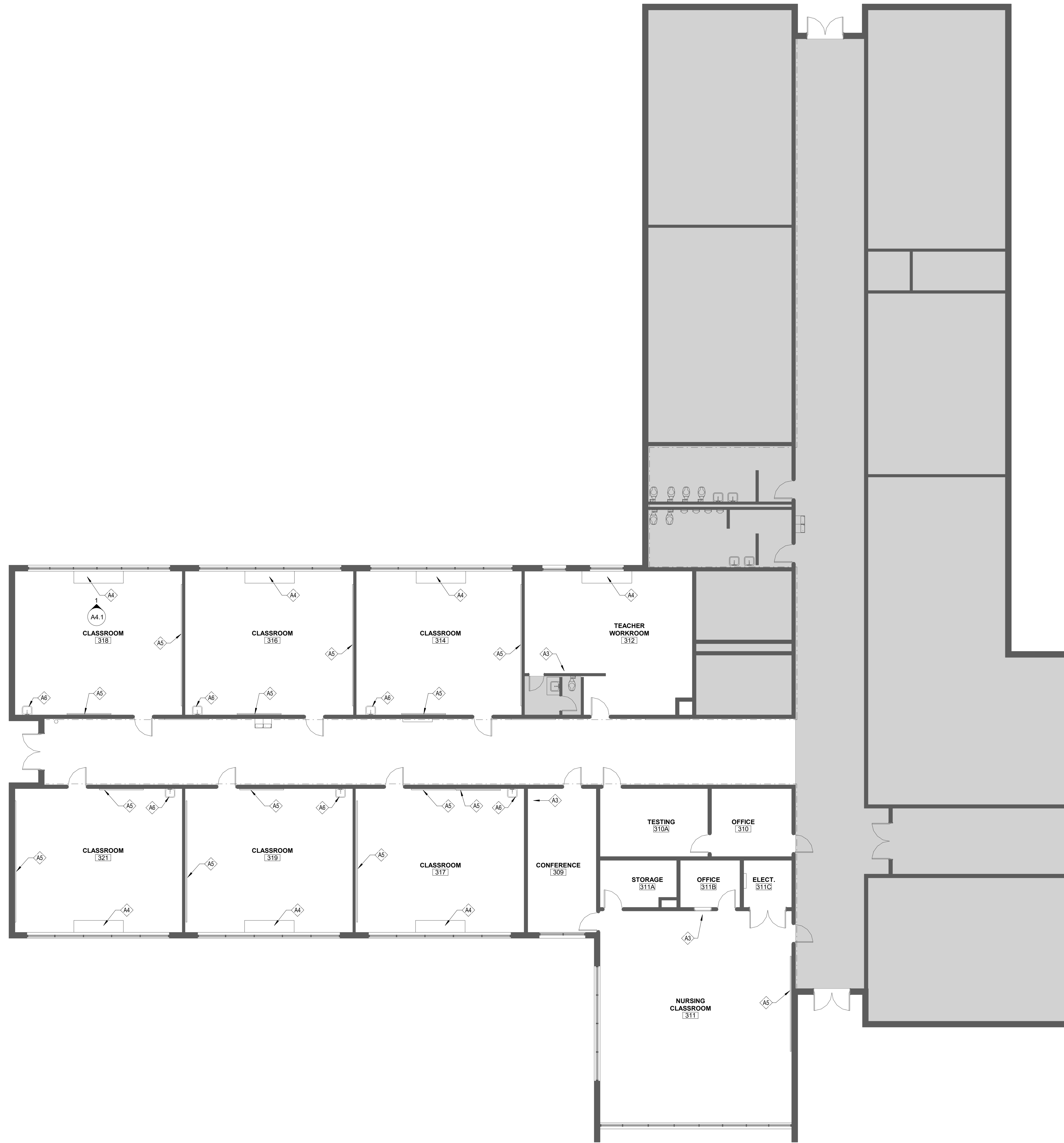
DEMOLITION PLAN

23-010

A0.1

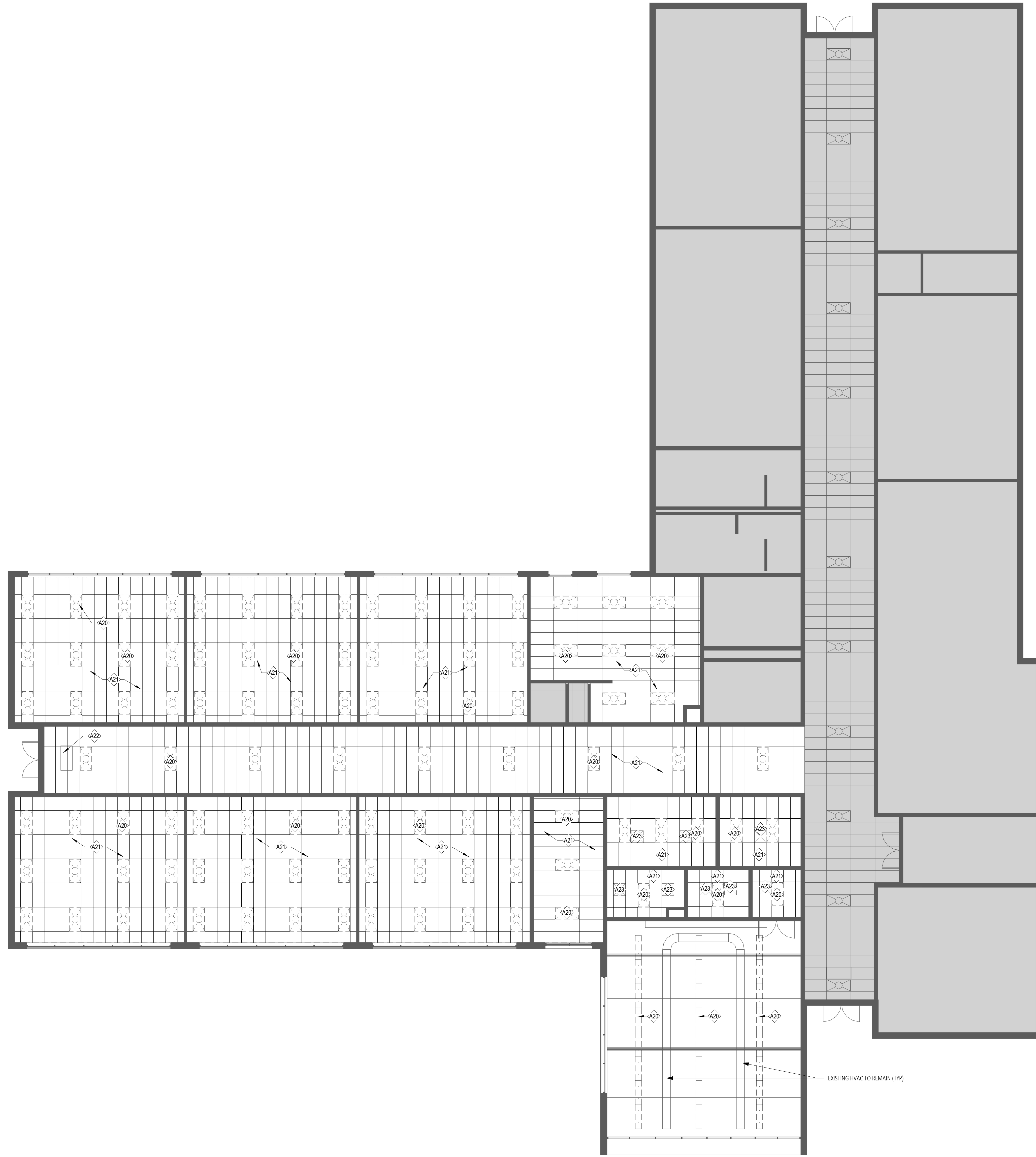
DEMOLITION KEYNOTE LEGEND	
NO.	NOTE DESCRIPTION
A3	EXISTING PLUMBING INFRASTRUCTURE TO BE REUSED FOR NEW SINKS. SEE NEW CONSTRUCTION PLANS
A4	EXISTING HVAC UNIT TO REMAIN
A5	EXISTING MARKER BOARD BULLETIN BOARD FRAME TO BE REUSED. PREP FOR INSTALLATION OF NEW INFILL MATERIAL. FRAME IS TO REMAIN. WOOD FRAMES TO BE PREPARED FOR PAINTING: APPROXIMATELY 4" TALL AND LENGTH AS SHOWN ON PLANS. GC TO FIELD VERIFY
A6	DEMOLISH EXISTING SINK. CAP LINES AT FACE OF WALL SO THAT A NEW SINK COULD BE INSTALLED AT A LATER DATE. PAINT CAPS TO MATCH WALL
A20	DEMO EXISTING LIGHT FIXTURE. SEE ELECTRICAL (TYP)
A21	DEMO EXISTING CEILING TILE. GRID IS TO REMAIN. INSULATION ABOVE CEILING TILES IS TO BE REINSTALLED WITH NEW TILES. DO NOT INSTALL INSULATION OVER LIGHT FIXTURES. DEMO ALL EXISTING SPEAKERS AND INTERCOM SYSTEMS TO ABOVE CEILING. LEAVE INFRASTRUCTURE IN PLACE FOR POTENTIAL FUTURE INSTALLATION. DEMO ALL PROJECTOR MOUNTS. PROJECTOR POWER AND DATA TO BE REUSED FOR NEW PROJECTOR. SEE ELECTRICAL
A22	EXISTING CEILING MOUNTED HVAC UNIT TO REMAIN
A23	DEMO EXISTING CEILING DIFFUSER IN PREPARATION FOR NEW DIFFUSER. EXISTING DUCTWORK TO REMAIN

- DEMOLITION NOTES:**
- GC TO VERIFY EXISTING CONDITIONS. PRIOR TO CONSTRUCTION, NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. ALL CONSTRUCTION TO BE DONE TO LOCAL AND STATE CODES AND STANDARDS.
 - COORDINATE WITH MTC PRIOR TO INTERRUPTING ANY SERVICES.
 - FIRE ALARM TO REMAIN. SEE ELECTRICAL.
 - EXISTING FLOORS WILL NEED TO BE PREPARED FOR INSTALLATION OF NEW FLOORING. REFER TO MANUFACTURER'S INSTRUCTIONS. HALLWAY FLOORING TO REMAIN. PROTECT FLOORING DURING CONSTRUCTION.
 - INSULATION EXISTS ABOVE THE EXISTING CEILING AND IS TO BE PROTECTED AND REINSTALLED WITH THE NEW CEILING TILES.
 - HAZARDOUS MATERIALS DO EXIST WITHIN THIS BUILDING BUT ARE NOT EXPECTED TO BE DISTURBED AS PART OF THIS SCOPE. IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED OR DISTURBED, STOP WORK IN THAT AREA AND NOTIFY MTC AND THE ARCHITECT. SEE REPORT ENTITLED "Letter of Three-Year Address Re-Inspection Lexington Middle School Summit Project No. 5338.0018" DATED DECEMBER 30TH 2021.
 - CONTRACTOR TO INSTALL SAFETY BARRICADES AND DUST PROTECTION AT THE ENDS OF CORRIDOR 300.
 - DO NOT DAMAGE WALLS OR CUT INTO WALLS FOR THE DEMOLITION OF SINKS WITHIN THE CLASSROOMS AND CAPPING OF PLUMBING LINES.
 - COORDINATE WITH MTC FOR DUMPSTER AND STAGING LOCATIONS AS WELL AS PARKING.
 - EXISTING MARKER BOARDS ARE TO BE PREPARED TO RECEIVE NEW MARKER BOARD MATERIAL. REFER TO MANUFACTURER'S INSTRUCTIONS.



1 FLOOR PLAN - DEMOLITION
1/8" = 1'-0"

CENTER, LEWISTON, SOUTH CAROLINA



1 DEMOLITION REFLECTED CEILING PLAN
1/8" = 1'-0"

DEMOLITION KEYNOTE LEGEND	
NO.	NOTE DESCRIPTION
A3	EXISTING PLUMBING INFRASTRUCTURE TO BE REUSED FOR NEW SINKS. SEE NEW CONSTRUCTION PLANS
A4	EXISTING HVAC UNIT TO REMAIN
A5	EXISTING MARKER BOARD/ BULLETIN BOARD FRAME TO BE REUSED. PREP FOR INSTALLATION OF NEW INFILL MATERIAL. FRAME IS TO REMAIN. WOOD FRAMES TO BE PREPPED FOR PAINTING, APPROXIMATELY 41" TALL AND LENGTH AS SHOWN ON PLANS. GC TO FIELD VERIFY
A6	DEMOLISH EXISTING SINK. CAP LINES AT FACE OF WALL SO THAT A NEW SINK COULD BE INSTALLED AT A LATER DATE. PAINT CAPS TO MATCH WALL
A20	DEMO EXISTING LIGHT FIXTURE. SEE ELECTRICAL (TYP)
A21	DEMO EXISTING CEILING TILE. GRID IS TO REMAIN. INSULATION ABOVE CEILING TILES IS TO BE REINSTALLED WITH NEW TILES. DO NOT INSTALL INSULATION OVER LIGHT FIXTURES. DEMO ALL EXISTING SPEAKERS AND INTERCOM SYSTEMS TO ABOVE CEILING. LEAVE INFRASTRUCTURE IN PLACE FOR POTENTIAL FUTURE INSTALLATION. DEMO ALL PROJECTOR MOUNTS, PROJECTOR POWER AND DATA TO BE REUSED FOR NEW PROJECTOR. SEE ELECTRICAL
A22	EXISTING CEILING MOUNTED HVAC UNIT TO REMAIN
A23	DEMO EXISTING CEILING DIFFUSER IN PREPARATION FOR NEW DIFFUSER. EXISTING DUCTWORK TO REMAIN



STATE OF SOUTH CAROLINA
DESIGN INITIATIVE GROUP, LLC
No. 10187
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
LUKE EBERSON
No. 2591
REGISTERED ARCHITECT

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06.21.23

RCP DEMOLITION
PLAN

23-010

A0.2

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ROOM FINISH SCHEDULE										
#	ROOM NAME	FLOOR FINISH	WALL BASE	WALLS	CEILING	DOOR FRAMES	WOOD WINDOW FRAMES	WOOD BB FRAMES	ACCENT WALL	ACCENT COLOR
300	CORRIDOR	EXISTING	EXISTING	PT-1	ACP-1	PT-2	NA	PT-2	NA	NA
301	CORRIDOR	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	NA	NA	NA	NA
309	CONFERENCE	LVT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	NA	NA
310	OFFICE	CPT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	WEST	PT-3
310A	TESTING	CPT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	NA	NA
311	NURSING CLASSROOM	LVT-1	RB-1	PT-1	EXPOSED	PT-2	PT-2	PT-2	EAST	PT-2
311A	STORAGE	LVT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	NA	NA
311B	OFFICE	LVT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	NORTH	PT-3
311C	ELECT.	LVT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	NA	NA
312	TEACHER WORKROOM	CPT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	NA	NA
314	CLASSROOM	CPT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	SOUTH	PT-2
316	CLASSROOM	CPT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	SOUTH	PT-2
317	CLASSROOM	CPT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	NORTH	PT-2
318	CLASSROOM	CPT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	WEST	PT-2
319	CLASSROOM	CPT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	NORTH	PT-2
321	CLASSROOM	CPT-1	RB-1	PT-1	ACP-1	PT-2	PT-2	PT-2	NORTH	PT-2

NEW CONSTRUCTION KEYNOTES	
Plan Note ID	NOTE DESCRIPTION
A1	EXISTING MARKER BOARD INFILL WITH NEW MARKER BOARD MATERIAL. PAINT WOOD FRAME
A2	NEW MANUAL PULL DOWN PROJECTION SCREEN OVER MARKER BOARD. ODOI
A3	INSTALL INFRASTRUCTURE FOR NEW WALL MOUNTED TV. OWNER TO FURNISH AND INSTALL TV
A4	EXISTING HVAC UNIT TO REMAIN
A5	EXISTING BULLETIN BOARD TO REMAIN. PAINT WOOD FRAME
A6	CAREFULLY REMOVE DOOR FROM FRAME. REMOVE AND STORE/PROTECT HARDWARE. SAND AND PATCH DOOR AS NECESSARY FOR APPLICATION OF NEW FINISH. FINISH DOOR TO MATCH EXISTING. REINSTALL HARDWARE AND REINSTALL DOOR IN EXISTING HM FRAME
A20	NEW CEILING MOUNTED PROJECTOR. ODOI
A21	NEW ACT IN EXISTING GRID (TYP)
A22	NEW LED LIGHT FIXTURES. SEE ELECTRICAL (TYP)
A23	NEW DIFFUSER TO MATCH EXISTING
A24	EXISTING MECHANICAL TO REMAIN

- GENERAL NOTES:**
- COORDINATE WITH MTC FOR "IT" REQUIREMENTS FOR THE SCREENS AND PROJECTORS AND TELEVISIONS.
 - CORRIDOR 300 IS A 1-HOUR RATED CORRIDOR. CONTRACTOR TO FIRE CAULK AND SEAL ALL NEW PENETRATIONS THAT ARE PART OF THIS SCOPE OF WORK TO MAINTAIN 1-HOUR RATING. CONTRACTOR TO NOTIFY ARCHITECT AND MTC OF ANY VISIBLE CORRIDOR RATING DEFICIENCIES AFTER REMOVAL OF CORRIDOR AND CLASSROOM CEILING TILES.
 - CONTRACTOR TO INSTALL NEW STAINLESS STEEL FACEPLATES ON ALL OUTLETS EXISTING AND NEW.
 - COORDINATE EXACT LOCATION OF CASEWORK AND BASE CABINET OPENING IN NURSING CLASSROOM WITH HVAC.
 - PREFERRED CEILING TILE IS USG MARSH HIGH WHITE. CEILING TILE TO MATCH EXISTING IS ALSO ACCEPTABLE OR COMPARABLE PRODUCT BY ARMSTRONG.
 - PREFERRED MARKER BOARD MATERIALS IS KOROSEAL WALLTALKER - MAGNETIC AND WRITABLE. INSTALL PER MANUF. RECOMMENDATIONS.
 - CONTRACTOR TO CLEAN CEILING, STRUCTURE AND DUCTWORK IN NURSING CLASSROOM 311.
 - INSTALL "INSTANT" ELECTRIC HOT WATER HEATER UNDER SINK IN NURSING CLASSROOM 311.
 - A. BASIS OF DESIGN - CHROMIUMITE INSTANT-FLOW COMPLIANT MIX-LOW ACTIVATION CMR-30/120 OR SIMILAR
 - ALL NEW FAUCETS ARE TO BE COMMERCIAL GRADE BATTERY POWERED TOUCHLESS FIXTURES.



Interior Materials

- Carpet (CPT)**
 CPT-1
 Manufacturer: Shaw Contract
 Style Name: Diffuse 24X24 Ecovork
 Style Number: 59575
 Color Name: Passport
 Color Number: 75597
- Paint (PT)**
 PT-3
 Manufacturer: Sherwin Williams
 Color: SW6959 Blue Chip
 Sheen: Satin
 Remarks: Access Paint - See Finish Schedule
- Luxury Vinyl Tile (LVT)**
 LVT-1
 Manufacturer: Shaw Contract
 Style Name: Reside 20 Mii
 Style Number: 4381V
 Color Name: Contentment
 Color Number: 94564
 Size: 5.91 x 47.24
- Plastic Laminate (PL)**
 PL-1
 Manufacturer: Formica
 Color: TBD
 Finish: TBD
 Remarks: Cabinet and Drawer Fronts
- Rubber Base (RB)**
 RB-1
 Manufacturer: Johnsonite
 Series: Traditional Wall Base
 Style: 4" Cove
 Color: TBD
- Solid Surface**
 SS-1
 Manufacturer: LG Hausys
 Color: TBD
 Finish: TBD
 Remarks: Countertops
- Acoustical Ceiling Panel (ACP)**
 ACP-1
 Manufacturer: Match Existing
 Size: 2 x 4
 Color: White
- Paint (PT)**
 PT-1
 Manufacturer: Sherwin Williams
 Color: SW6196 Frosty White
 Sheen: Eggshell
 Remarks: General Paint Color
- Paint (PT)**
 PT-2
 Manufacturer: Sherwin Williams
 Color: SW7066 Gray Matters
 Sheen: Semi-Gloss
 Remarks: Door and Door Frames

1 FLOOR PLAN
 1/8" = 1'-0"

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 702 NORTH LAKE DRIVE
 LEXINGTON, SOUTH CAROLINA 29072

06.21.23

FLOOR PLAN
 23-010

A1.1

SECTION 010000- CODES, PERMITS, AND SAFETY

A. All portions of the work, including mechanical and electrical work shall be performed in full compliance with all applicable city, county, state and national codes. The General Contractor shall be responsible for the safety of all people on or near the construction site during the construction period. Implementation of all necessary and prudent safety pre-cautions shall be the full responsibility of the General Contractor. Methods of construction and erection of materials and assemblies shall be the contractor's responsibility.

SECTION 01001- PLANS AND SPECIFICATIONS

A. These specifications and the accompanying drawings are intended to describe and provide for a finished piece of work. They are intended to be cooperative, and what is called for by either shall be as binding as if called for by both. The Contractor shall understand that the work herein described shall be complete in every detail, not withstanding every item necessarily involved is not specifically mentioned, and the Contractor will be held to provide all labor and materials necessary for the entire completion of the work described, and shall not avail himself or herself of any manifestly unintentional error or omission should such exist. Should any error or inconsistency appear in the drawings or specifications, the Contractor, before proceeding with the work, shall make mention of the same to the Owner's Project Manager in writing for proper adjustment, and in no case shall he proceed with the work in uncertainty. AIA general conditions A-201 latest edition shall apply.

C. It shall be the duty of the Contractor to verify all dimensions given on the drawings and to report any errors or inconsistencies to the Owner's Project Manager before commencing the work. In submitting a proposal, it will be construed by the Owner that the bidder has examined and familiarized himself with the site and has carefully checked all the details and assured himself or herself that they conform in every respect with both local and state requirements.

D. The Owner's Project Manager shall within a reasonable time make decisions on all points brought up by the Contractor, on matters relating to the interpretation of the plans, the specifications and the execution, and the progress of the work.

E. Should any dispute arise as to the quality or fitness of materials or workmanship or interpretation of the plans and specifications, the decision shall rest with the Owner's Project Manager and shall be based on the requirements that all work done and all materials furnished shall be in strict accordance with the plans and specifications and what is usual, customary, and standard practice in renovations of buildings of similar type.

F. Where necessary for field work, or proper interpretation of the general plans and specifications, the Contractor shall submit enlarged details and schedules for the approval of the Owner's Project Manager and shall furnish the Project Manager three copies of the final details, one to be returned to the Contractor approved and two to remain in the Project Manager's files.

H. Should discrepancies appear among the contract documents, the Contractor shall request an interpretation from the Owner's Project Manager before proceeding with the work. If the contractor fails to make such request, no excuse will thereafter be entertained for failure to carry out work in the required manner or provide required guarantees, warranties, or bonds. Should conflict occur in or between drawings and specifications, Contractor is deemed to have estimated on better quality and larger quantity of work, unless he shall have requested and obtained written decision from the Owner's Project Manager before submission of bid as to which method or materials will be required.

I. The Contractor shall carefully study and compare all drawings, specifications, other instructions. Where dimensions are governed by existing conditions or by conditions already established, Contractor shall take actual measurements himself and shall report in writing to the Owner's Project Manager, for explanation or adjustment, any errors, disagreements or inconsistencies in the drawings and specifications or figured dimensions of the drawings which may exist or appear to exist, before proceeding to execute that part of the work affected.

J. No deviation from specifications, drawings or instructions shall be made without written authorization by the Owner's Project Manager.

SECTION 01002 - MATERIAL, LABOR, APPLIANCES

A. Unless otherwise stipulated, the Contractor shall provide and pay for all materials, labor, tools, equipment and power, transportation and other facilities necessary for the execution of the work.

B. Unless otherwise specified, all materials shall be new and both workmanship and materials shall be the best of these respective kinds. The Contractor shall, if required, furnish satisfactory evidence as to the kind and quality of materials.

C. Only skilled, thoroughly trained and experienced foremen and workmen shall be employed on the work, confirm security clearance requirements with the owners project manager and when required by the Owner, the Contractor shall discharge and shall no re-employ on the work, any person who commits trespass, or who is in the opinion of the Owner, disorderly, dangerous, insubordinate, incompetent, or otherwise objectionable, nor shall he employ any person who has been discharged by another Contractor upon the order of the Owner's Project Manager.

D. Unless otherwise stipulated, no allowance or compensation whatsoever shall be due or paid to the Contractor for any temporary roads, excavations, embankments, or other work or structures that he may make to facilitate his work, nor for any construction plant, tools or equipment which may be required in the performance of the work.

E. All work and materials delivered on the premises shall be intended to form part of the work and shall not be removed without consent of the Owner. The Contractor shall have the right to remove all surplus materials after the completion of all work included in his Contract.

F. It shall be the duty of the General Contractor to see that all Subcontractors are fully informed in regard to the general conditions and preliminary specifications.

SECTION 01004 - PROTECTION OF WORK AND PROPERTY

A. The Contractor shall be responsible for compliance of city ordinances and state laws involved in the performance of his work;

B. Contractor shall use every precaution to brace and otherwise support and secure the structural frame, walls, floors and roof during the construction of the work, and shall provide during the progress of his work every and all safeguards and protection against accidents, injury and damage to persons and property including adjoining property.

C. The Contractor shall be responsible for his work and every part thereof, and for all materials, tools, appliances and property of every description used in connection therewith.

D. If any portion of the existing building, utilities, site work or any of the owner's existing facilities are damaged by operations or construction operations of the General Contractor, he shall be obligated to repair restore or replace the damaged area.

E. If any utility is interrupted the General Contractor is responsible for the damage caused including the cost of equipment, labor and lost personal time. Coordinate any utility outages with the owner 48 hours in advance.

SECTION 01005 - SUPERVISOR

A. The Contractor shall give personal supervision to the work, using his best skill and attention, and shall keep a competent Foreman and necessary assistants constantly on the jobsite.

B. The contractor shall layout all work and shall be responsible for all measurements and dimensions.

SECTION 01006 - TEMPORARY FACILITIES

A. TEMPORARY ELECTRICAL SERVICES: General Contractor may use existing electrical power in the existing building for construction operations. All temporary electrical uses shall comply with National Electric code and all items shall be removed at project completion. No use charges will be billed to Contractor.

B. TEMPORARY WATER: General Contractor may use existing temporary water in the existing building for construction operations. No use charges will be billed to Contractor. OWNER RESERVES THE RIGHT TO CHARGE FOR ANY EXCESSIVE USAGE.

C. DUMPSTER: Contractor shall provide his own dumpster for removal of all construction debris. General Contractor shall recycle materials where possible. Coordinate with MTC on dumpster location

D. PARKING: Contractor to coordinate parking with MTC.

SECTION 01008 - CLEANING

A. The Contractor shall at times keep the premises free from accumulations of waste and flammable material or rubbish caused by his employees or others during the progress of the work. At the completion of the work and before final acceptance, the Contractor shall, at his own expense, clear away and remove from the premises and from public and private roads all plant debris, rubbish, tools, scaffolding, surplus materials, and excess excavated materials due to his operations, and shall leave the premises and the work in perfect order and repair, and the building broom clean and ready to use.

SECTION 01009 - APPROVED EQUALS

A. Throughout these specifications a manufacturer, model number, color, finish, etc. has been used. These are to be used as a guide to quality and design standards and equal products may be substituted but only after substitutions are submitted to the owner and the owner approves substitutions in writing. Do not order any materials/products until written approval is given. All unapproved materials/products used will be removed and replaced at contractors own expense.

1 RENOVATION SPECS 1/4" = 1'-0"

GENERAL FINISH NOTES

- FURNISH AND INSTALL MATERIALS IN COMPLIANCE WITH MANUFACTURER'S PRINTED SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.
- ANY DISCONTINUED ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE INTERIOR DESIGNER IMMEDIATELY. CONTRACTOR TO NOTIFY INTERIOR DESIGNER OF ANY ITEMS REQUIRING FURTHER CLARIFICATION OF FINISH SELECTION.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO ORDERING OF MATERIALS. DO NOT SCALE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL PROVIDE TO OWNER ALL MANUFACTURER'S RECOMMENDED MAINTENANCE INSTRUCTIONS ON ALL FINISH MATERIALS. CONTRACTOR TO PROVIDE MTC WITH SHOP DRAWINGS FOR APPROVAL FOR ALL NEW MATERIALS INSTALLED.
- INTERIOR CONSTRUCTION REQUIRING FINISH / COLOR SELECTION NOT NOTED WITHIN THE SCHEDULE SHALL BE SUBMITTED TO INTERIOR DESIGNER IN WRITING, WITH SAMPLES OR FINISH / COLORS AVAILABLE, CLEARLY IDENTIFYING ANY THAT MIGHT BE AT A PREMIUM ABOVE THE PRODUCT BID.
- ALL PRODUCT SPECIFICATIONS ARE GIVEN TO DEFINE DESIGN, COLOR AND QUALITY. SUBSTITUTIONS REQUIRE THE PRIOR APPROVAL OF ARCHITECT. PROPOSED SUBSTITUTIONS SHALL ADHERE TO THE INTENT OF THE QUALITY, DESIGN, COLOR AND PATTERN.
- IN ADJACENT EXISTING SPACES DISTURBED BY CONSTRUCTION, CONTRACTOR SHALL PATCH SURFACES TO MATCH EXISTING FINISHES UNLESS OTHERWISE SCHEDULED. CONTRACTOR SHALL VERIFY WITH OWNER AND SUBMIT FOR REVIEW AND APPROVAL.
- ALL PLUMBING, ELECTRICAL AND MECHANICAL INFORMATION IS INDICATED ON ARCHITECTURAL DRAWINGS.
- ALL EXISTING REUSED LIGHTS IN RENOVATION SHALL BE CLEANED.

FLOOR FINISH NOTES

- CONTRACTOR TO FOLLOW MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS ON ALL FLOORING PRODUCTS AND USE THE ADHESIVES, EQUIPMENT / TOOLS REQUIRED / RECOMMENDED BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- CONTRACTOR TO PREPARE SUB FLOOR PER MANUFACTURER'S INSTRUCTIONS.
- CONTRACTOR TO FOLLOW MANUFACTURER'S PRINTED INSTRUCTIONS ON PROTECTION OF FLOORING MATERIAL AFTER INSTALLATION. PROTECT FLOORING AGAINST MARKS, INDENTATIONS AND OTHER DAMAGE FROM CONSTRUCTION OPERATIONS, PLACEMENT OF EQUIPMENT AND FIXTURES DURING THE REMAINDER OF THE CONSTRUCTION PERIOD. USE PROTECTION METHODS INDICATED OR RECOMMENDED IN WRITING BY THE FLOOR COVERING MANUFACTURER.
- CONTRACTOR TO PROVIDE AND INSTALL APPROPRIATE TRANSITION STRIPS WHERE DIFFERING MATERIALS ADJUT, SEE FINISH LEGEND FOR COLOR SELECTION.
- FLOOR FINISH CHANGES SHALL OCCUR UNDER THE DOOR CENTERLINE (OR CENTER OF THE WALL OPENING IF NO DOOR) BETWEEN ROOMS.

2 GENERAL FINISH NOTES 1/4" = 1'-0"

SUBMITTALS

- CONTRACTOR TO SUBMIT PRODUCT INFORMATION, WARRANTY AND MAINTENANCE INFORMATION FOR ALL PRODUCTS USED IN THIS PROJECT FOR APPROVAL BY OWNER AND ARCHITECT INCLUDING BUT NOT LIMITED TO ALL FINISHES, CASEWORK, MARKER BOARDS, LIGHTING, ELECTRICAL AND DATA COMPONENTS, PLUMBING COMPONENTS, CEILING TILES.
- CONTRACTOR TO SUBMIT SAMPLES FOR COLOR SELECTION AND VERIFICATION OF THE FOLLOWING
 - SOLID SURFACE COUNTERTOPS
 - LAMINATE
 - CEILING TILE
 - FLOOR TILE
 - CARPET
 - BASE
 - PAINT
 - MARKER BOARD

3 SUBMITTALS 1/4" = 1'-0"

WALL FINISH NOTES

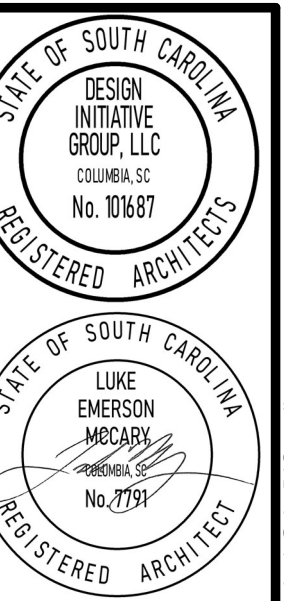
- MISCELLANEOUS HVAC GRILLS AND ACCESSORIES SHALL BE PAINTED TO MATCH ADJACENT WALL FINISHES UNLESS THEY ARE PREFINISHED.
- ALL PAINT SHALL HAVE LESS THAN 150 GR VOC.
- SKIM COAT WALLS WHERE WALLCOVERING PULLS GYP. BD. PAPER FACING.
- GYP. BD. WALLS TO BE FINISHED TO A LEVEL 4 FINISH.

CABINET NOTES

- SHOP TO BE CERTIFIED PARTICIPANT IN AIA'S QUALITY CERTIFICATION PROGRAM. NO EXCEPTIONS TAKEN. MILLWORK SHOP TO PROVIDE SHOP DRAWING FOR REVIEW AND APPROVAL BY DESIGNER.
- ALL MILLWORK TO MEET AIA'S PREMIUM STANDARD.
- 120 DEGREE EURO SELF CLOSING HINGES.
- ALL CABINETS SHALL BE PLASTIC LAMINATE (PL-1) WITH WHITE MELAMINE INTERIOR, FLUSH OVERLAY WITH EUROPEAN HINGES, WITH DP18A_ARCH PULL, MATTÉ CHROME BY MCKET AND 3MM PVC EDGE BANDING ON DOORS AND DRAWERS.
- SEE ENLARGED MILLWORK ELEVATIONS AND SECTION FOR FURTHER DETAILS AND FINISHES.
- ALL MDF AND PLYWOOD PRODUCTS TO CONTAIN NO ADDED UREA FORMALDEHYDE.



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NOTES

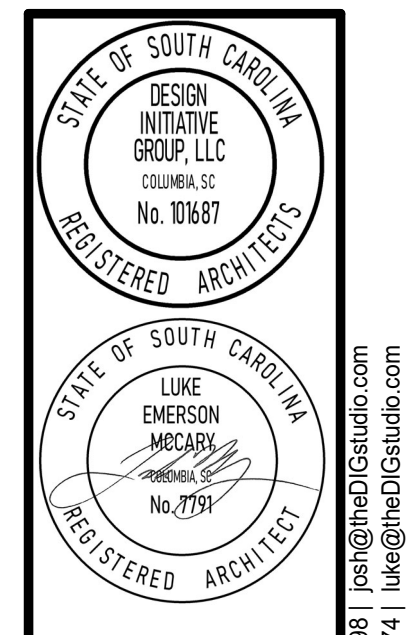
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 CENTER LEARNING CENTER



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06.21.23

REFLECTED
CEILING PLAN

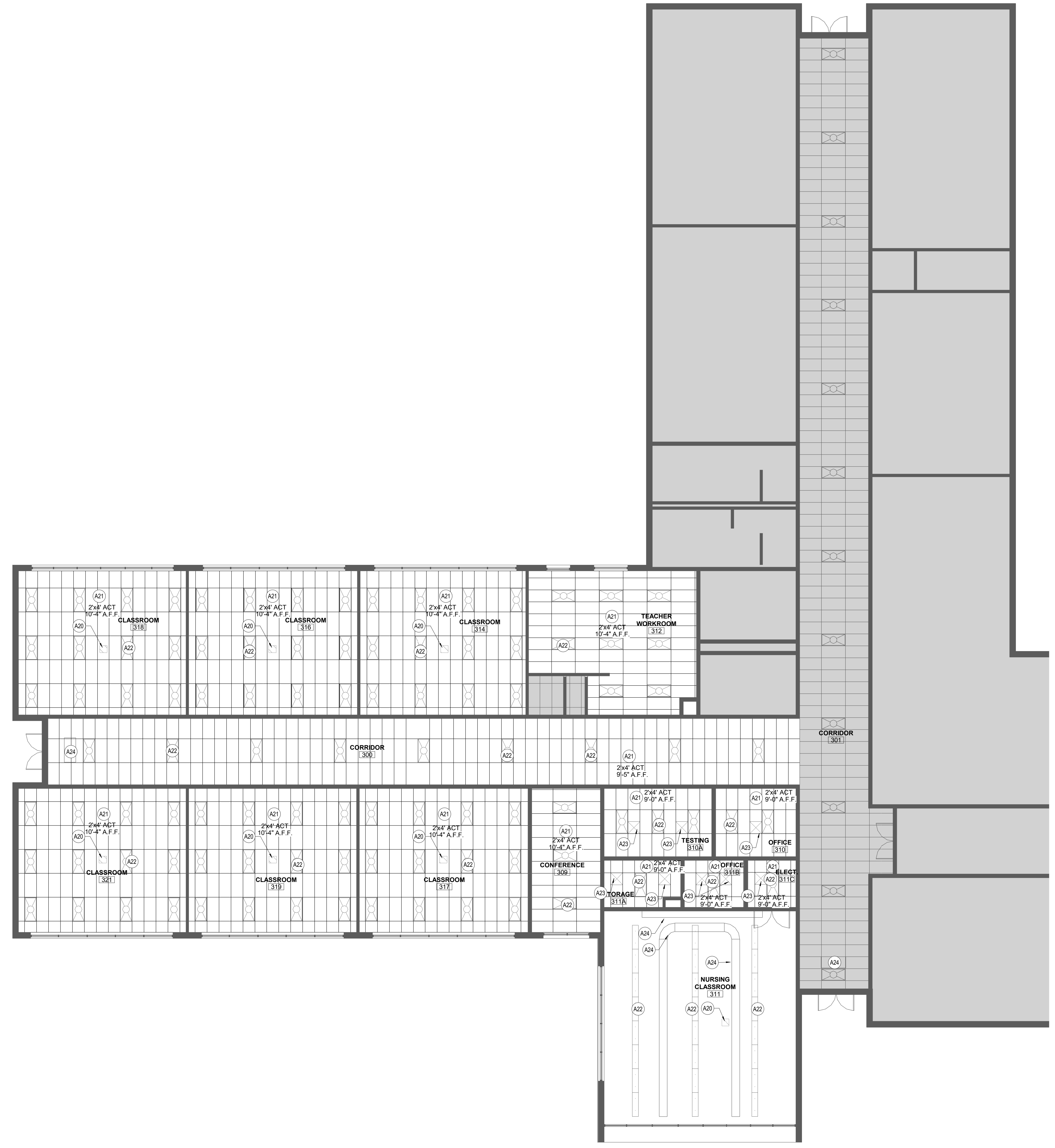
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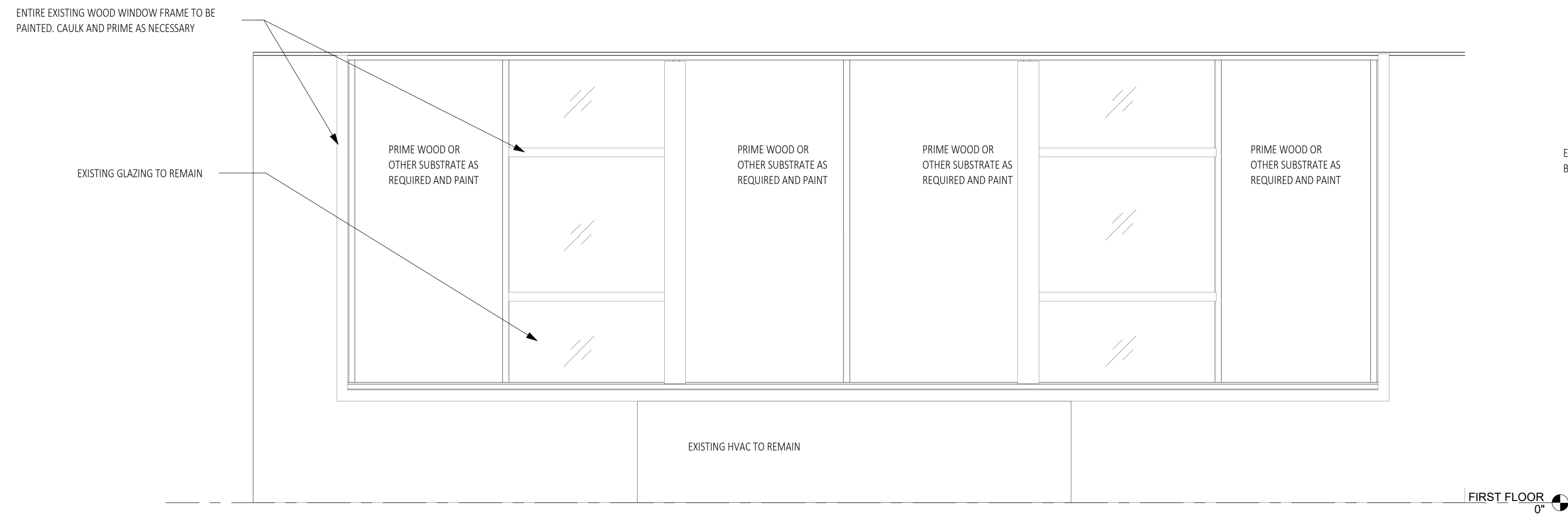
NEW CONSTRUCTION KEYNOTES	
Plan Note ID	NOTE DESCRIPTION
A1	EXISTING MARKER BOARD INFILL WITH NEW MARKER BOARD MATERIAL, PAINT WOOD FRAME
A2	NEW MANUAL PULL DOWN PROJECTION SCREEN OVER MARKER BOARD, OFO
A3	INSTALL INFRASTRUCTURE FOR NEW WALL MOUNTED TV, OWNER TO FURNISH AND INSTALL TV
A4	EXISTING HVAC UNIT TO REMAIN
A5	EXISTING BULLETIN BOARD TO REMAIN, PAINT WOOD FRAME
A6	CAREFULLY REMOVE DOOR FROM FRAME, REMOVE AND STORE/ PROTECT HARDWARE, SAND AND PATCH DOOR AS NECESSARY FOR APPLICATION OF NEW FINISH, FINISH DOOR TO MATCH EXISTING, REINSTALL HARDWARE AND REINSTALL DOOR IN EXISTING HM FRAME
A20	NEW CEILING MOUNTED PROJECTOR, OFO
A21	NEW ACT IN EXISTING GRID (TYP)
A22	NEW LED LIGHT FIXTURES, SEE ELECTRICAL (TYP)
A23	NEW DIFFUSER TO MATCH EXISTING
A24	EXISTING MECHANICAL TO REMAIN

- GENERAL NOTES:**
- COORDINATE WITH MTC FOR "IT" REQUIREMENTS FOR THE SCREENS AND PROJECTORS AND TELEVISIONS.
 - CORRIDOR 300 IS A 1 HOUR RATED CORRIDOR, CONTRACTOR TO FIRE CAULK AND SEAL ALL NEW PENETRATIONS THAT ARE PART OF THIS SCOPE OF WORK TO MAINTAIN 1 HOUR RATING. CONTRACTOR TO NOTIFY ARCHITECT AND MTC OF ANY VISIBLE CORRIDOR RATING DEFICIENCIES AFTER REMOVAL OF CORRIDOR AND CLASSROOM CEILING TILES.
 - CONTRACTOR TO INSTALL NEW STAINLESS STEEL FACEPLATES ON ALL OUTLETS EXISTING AND NEW.
 - COORDINATE EXACT LOCATION OF CASEWORK AND BASE CABINET OPENING IN NURSING CLASSROOM WITH HVAC.
 - PREFERRED CEILING TILE IS USG MARS HIGH WHITE, CEILING TILE TO MATCH EXISTING IS ALSO ACCEPTABLE OR COMPARABLE PRODUCT BY ARMSTRONG.
 - PREFERRED MARKER BOARD MATERIALS IS KOROSEAL WALKTALKER, MAGNETIC AND WRITABLE, INSTALL PER MANUF. RECOMMENDATIONS.
 - CONTRACTOR TO CLEAN CEILING, STRUCTURE AND DUCTWORK IN NURSING CLASSROOM 311.
 - INSTALL INSTANT ELECTRIC HOT WATER HEATER UNDER SINK IN NURSING CLASSROOM 311.
 - A. BASIS OF DESIGN - CHROMOMITE INSTANT-FLOW COMPLIANT MIX-LOW ACTIVATION CMI-30/120 OR SIMILAR
 - ALL NEW FAUCETS ARE TO BE COMMERCIAL GRADE BATTERY POWERED TOUCHLESS FIXTURES.

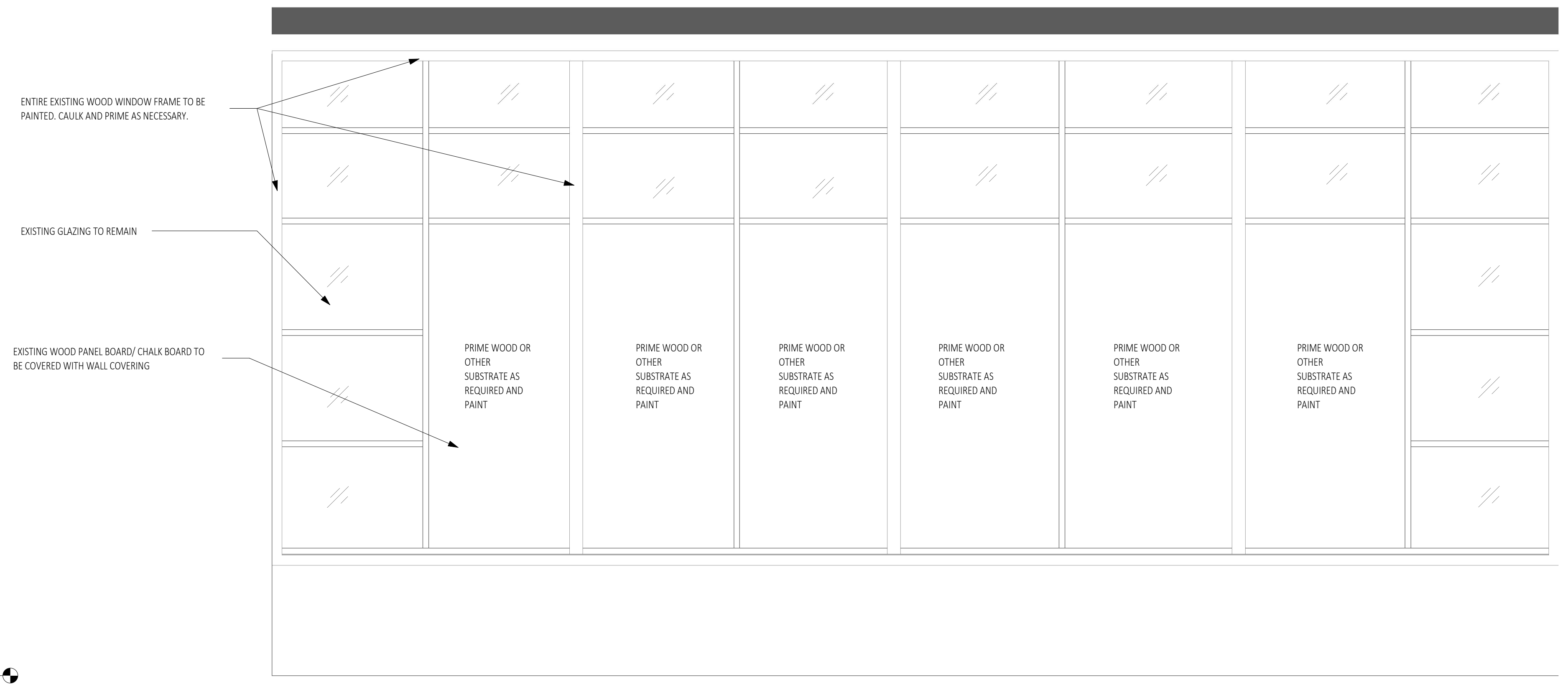


1 REFLECTED CEILING PLAN
 1/8" = 1'-0"

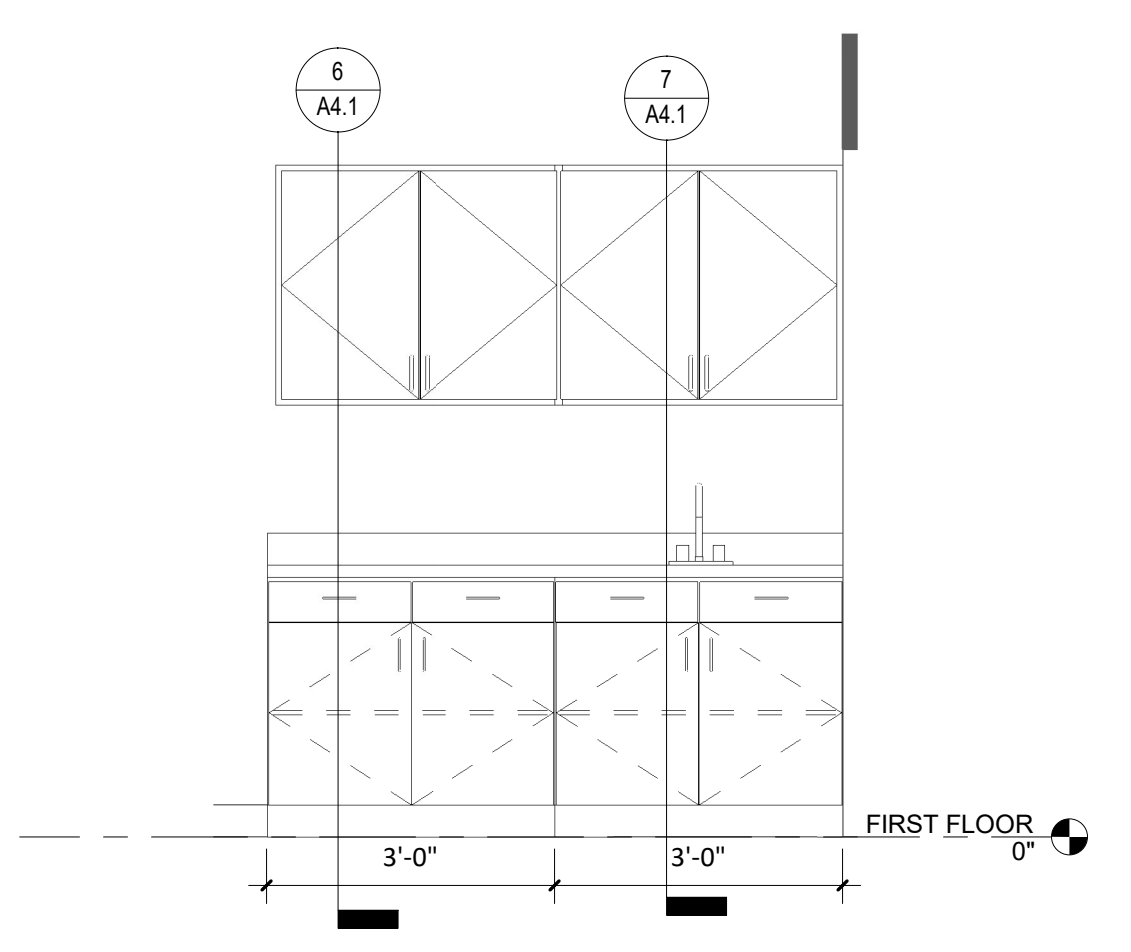
5/26/2023 12:31 PM CENTER MANAGEMENT ARCHITECTURE COMMUNITY LEARNING CENTER



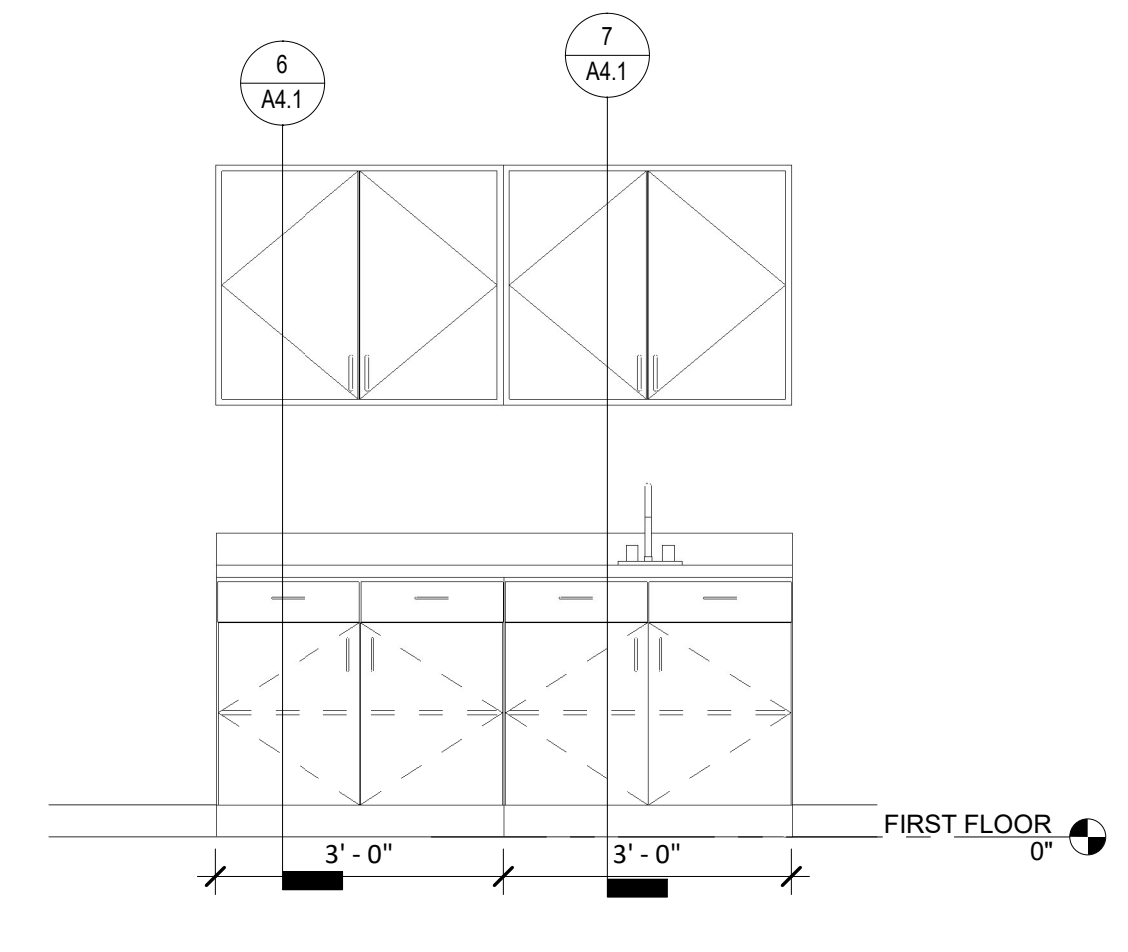
1 TYPICAL CLASSROOM WINDOW ELEVATION
1/2" = 1'-0"



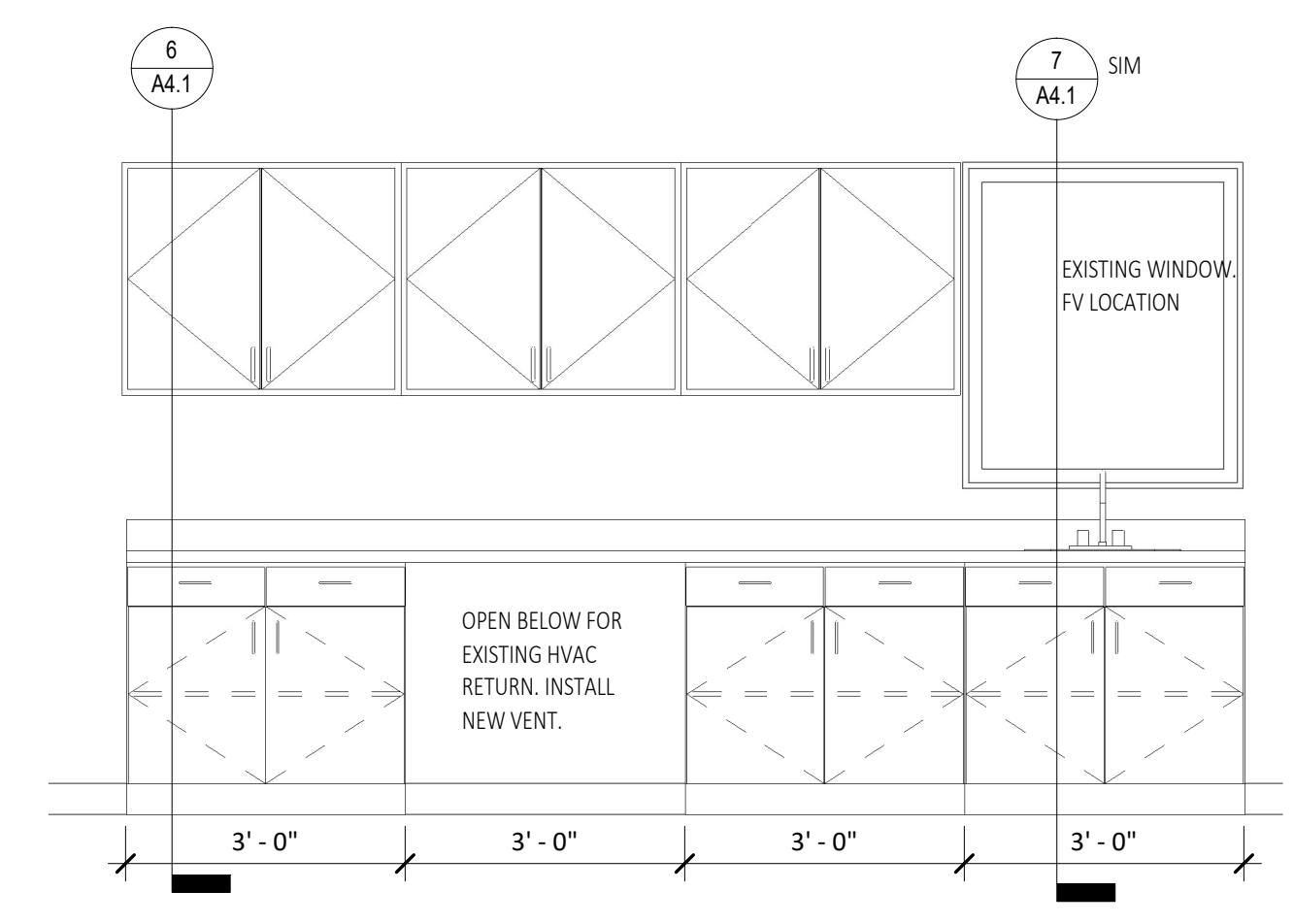
2 NURSING CLASSROOM WINDOW ELEVATION
1/2" = 1'-0"



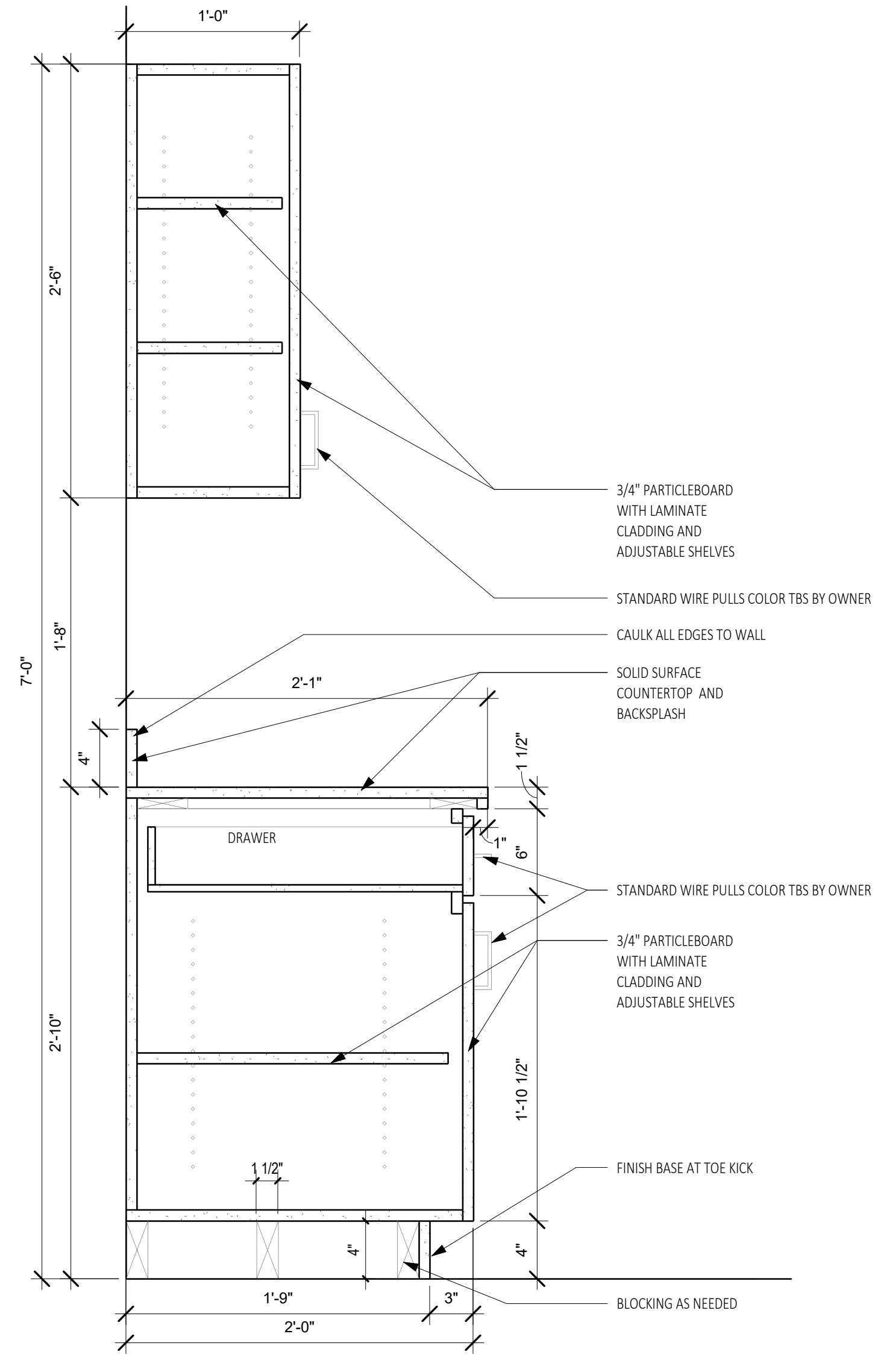
4 CONFERENCE ROOM CASEWORK
1/2" = 1'-0"



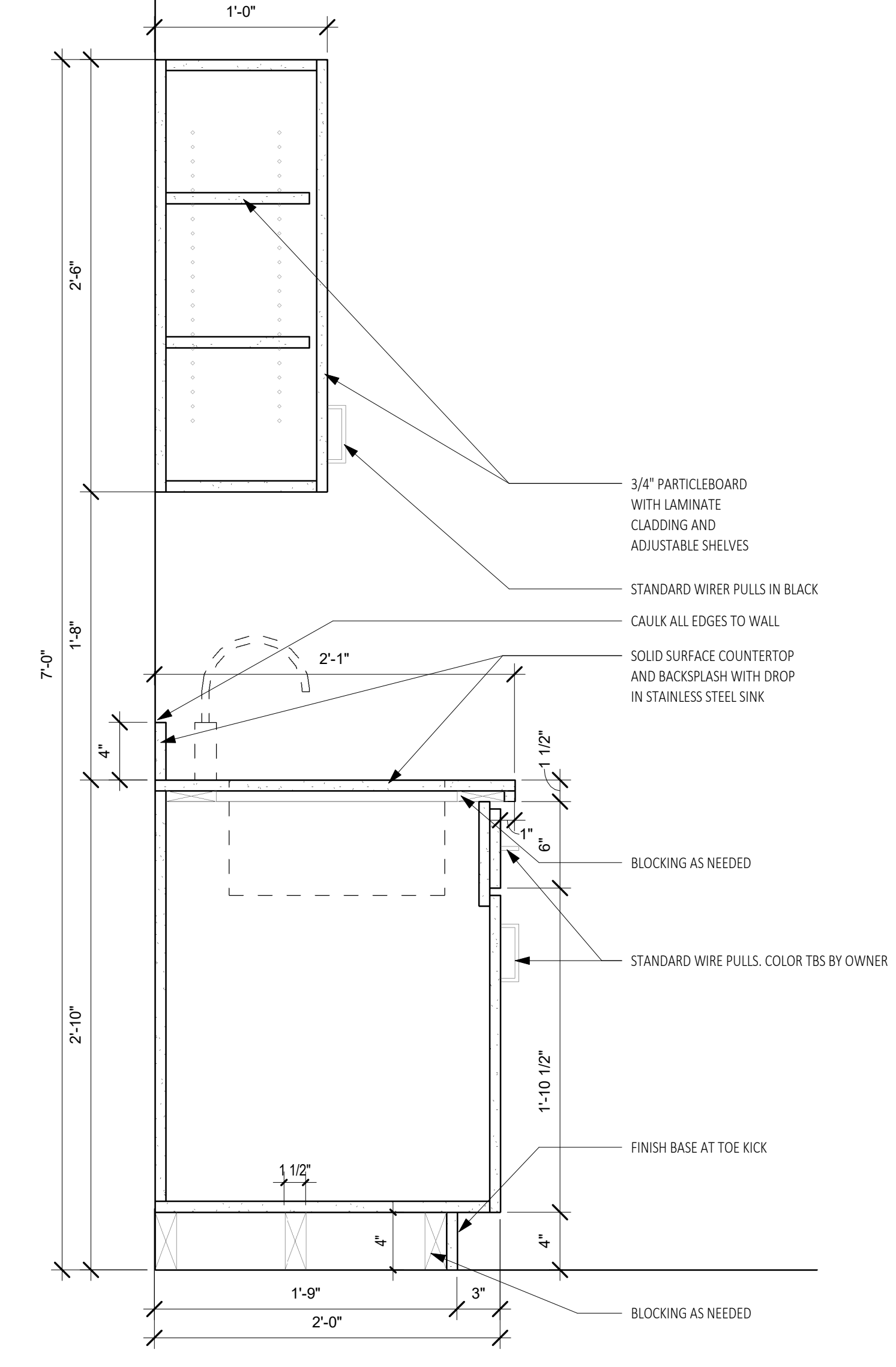
5 TEACHER WORKROOM KITCHENETTE
1/2" = 1'-0"



3 NURSING CASEWORK A
1/2" = 1'-0"



6 SECTION THRU TYP CASEWORK
1 1/2" = 1'-0"



7 SECTION THRU TYP SINK CABINET
1 1/2" = 1'-0"

DI
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INTERIOR ELEVATIONS & CASEWORK

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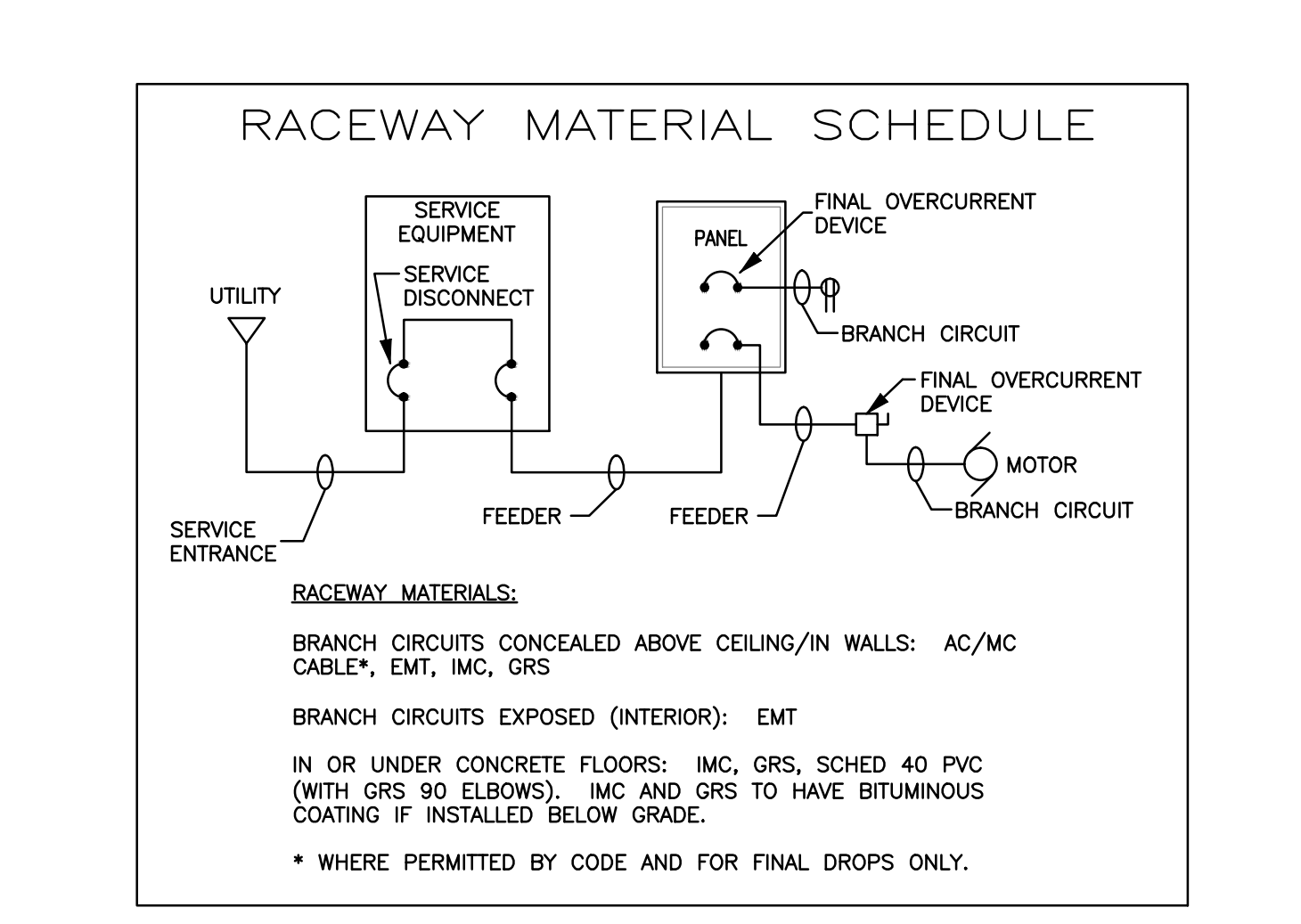
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ELECTRICAL SYMBOL SCHEDULE - GENERAL	
GENERAL	
	BRANCH CIRCUIT RACEWAY. RUN CONCEALED IN CEILING OR WALLS. ARROWHEAD DENOTES HOMERUN TO PANEL. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO ARE TO BE INSTALLED. TEXT DENOTES PANEL NAME AND CIRCUIT NUMBERS FOR HOMERUN. INSTALL GROUND WIRE IN ALL RACEWAYS. #12 AWG MINIMUM AND AS PER CODE.
	BRANCH CIRCUIT RACEWAY. RUN IN OR UNDER SLAB OR FLOOR. ARROWHEAD DENOTES HOMERUN TO PANEL. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO ARE TO BE INSTALLED. TEXT DENOTES PANEL NAME AND CIRCUIT NUMBERS FOR HOMERUN. INSTALL GROUND WIRE IN ALL RACEWAYS. #12 AWG MINIMUM AND AS PER CODE.
	ELECTRICAL DISTRIBUTION OR BRANCH CIRCUIT PANELBOARD - EXISTING.
	JUNCTION BOX, FLUSH WALL MOUNTED IN FINISHED WALLS, SURFACE MOUNTED WHERE INDICATED ON DRAWINGS. MINIMUM 4" SQUARE WITH APPROPRIATE REDUCING RING FOR DEVICE BEING INSTALLED. REFER TO TYPICAL MOUNTING HEIGHTS DETAIL WHERE MOUNTING HEIGHT IS NOT INDICATED ON DRAWINGS. SIZE PER NEC.

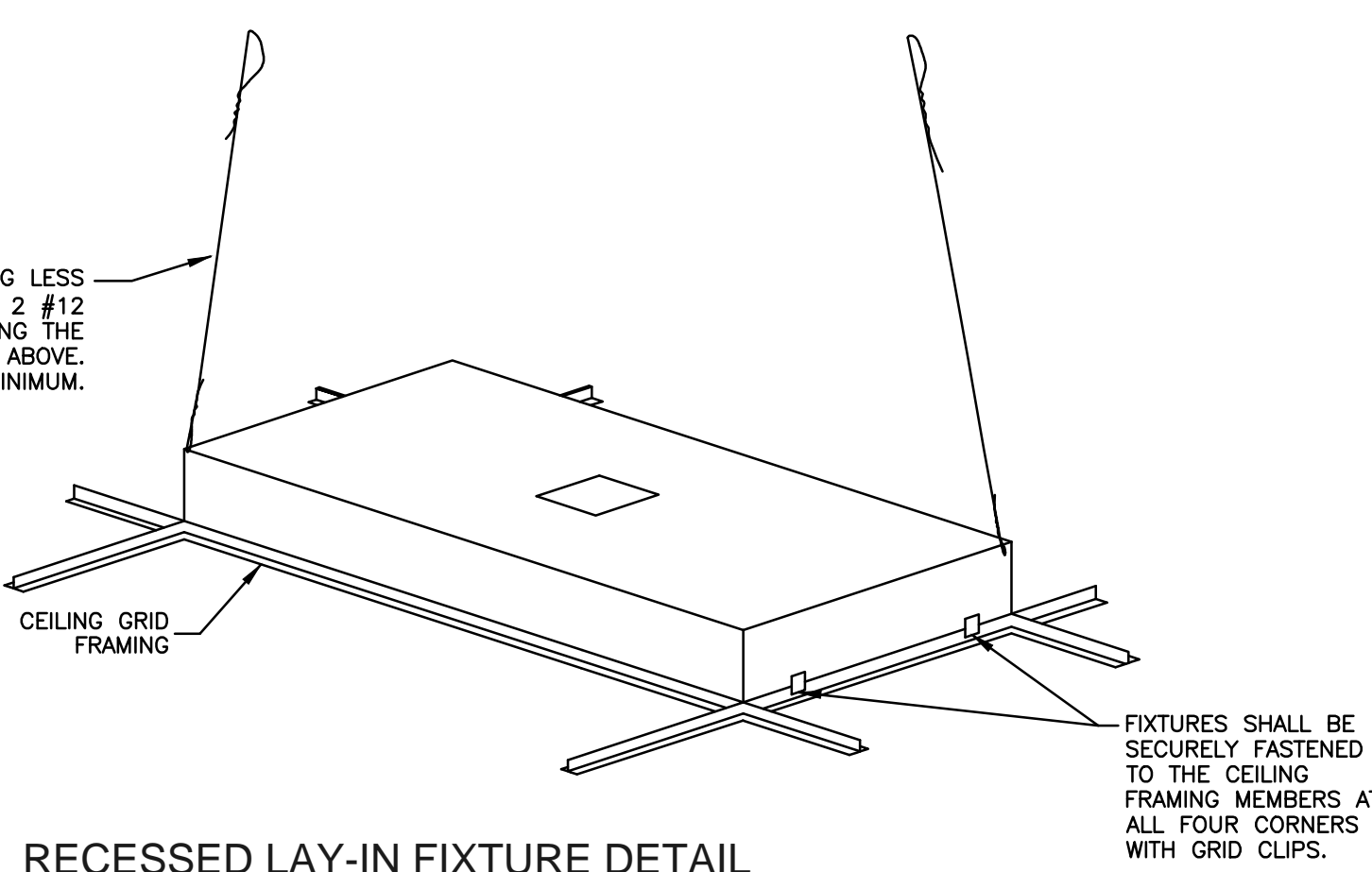
ELECTRICAL SYMBOL SCHEDULE - LIGHTING SYSTEMS AND ACCESSORIES	
LIGHTING	
	CEILING MOUNTED LIGHT FIXTURE. REFER TO LIGHT FIXTURE SCHEDULE FOR TYPE AND MOUNTING. SEE RECESSED LAY-IN FIXTURE DETAIL FOR LAY-IN FIXTURES MOUNTED IN CEILING GRID. LETTER DENOTES FIXTURE TYPE.
	LED EXIT SIGN, WALL OR CEILING MOUNTED. STEM DENOTES WALL MOUNTED. FACES AS INDICATED BY DARKENED AREAS. ARROWS DENOTE CHEVRONS INDICATING DIRECTION OF EXIT AS INDICATED ON DRAWINGS. REFER TO LIGHT FIXTURE SCHEDULE FOR TYPE.
	LED EXIT SIGN WITH INTEGRAL DUAL REMOTE EGRESS LAMP HEADS. WALL OR CEILING MOUNTED. STEM DENOTES WALL MOUNTED. REFER TO LIGHT FIXTURE SCHEDULE FOR TYPE.
	LED EXIT SIGN WITH INTEGRAL DUAL REMOTE EGRESS LAMP HEADS AND HIGH OUTPUT BATTERY CAPABLE OF POWERING DUAL REMOTE EGRESS HEADS AT BUILDING EXTERIOR. WALL OR CEILING MOUNTED. STEM DENOTES WALL MOUNTED. REFER TO LIGHT FIXTURE SCHEDULE FOR TYPE.
	120-277V, 20A SINGLE POLE LIGHT SWITCH. HEAVY DUTY TYPE. PROVIDE NEUTRAL CONDUCTOR TO ALL SWITCH LOCATIONS.
	120-277V, 20A 3-WAY LIGHT SWITCH. HEAVY DUTY TYPE. PROVIDE NEUTRAL CONDUCTOR TO ALL SWITCH LOCATIONS.
	120-277V, 20A 4-WAY LIGHT SWITCH. HEAVY DUTY TYPE. PROVIDE NEUTRAL CONDUCTOR TO ALL SWITCH LOCATIONS.
	120-277V, 20A DIMMER LIGHT SWITCH. WITH ON-OFF-PRESET FUNCTIONALITY. PROVIDE NEUTRAL CONDUCTOR TO ALL SWITCH LOCATIONS. COORDINATE WITH LIGHTING VENDOR TO PROVIDE TESTED AND APPROVED DIMMER FOR LIGHT FIXTURE AND SOURCE BEING CONTROLLED. PROVIDE SEPARATE BACKBOX FOR EACH DIMMER SWITCH. SUBSCRIPT "3" DENOTES 3-WAY DIMMER TYPE.
	120-277V, 20A, 1HP @ 120V MOTOR RATED TOGGLE SWITCH. HEAVY DUTY TYPE. PROVIDE NEUTRAL CONDUCTOR TO ALL SWITCH LOCATIONS. 30A/2HP RATED WHERE INDICATED ON DRAWINGS.
	120-277V OCCUPANCY SENSOR WALL SWITCH. DUAL TECHNOLOGY UNLESS OTHERWISE NOTED ON DRAWINGS. WATTSTOPPER DW-100 OR EQUIVALENT. "P" DENOTES PASSIVE INFRARED TYPE (WATTSTOPPER PW-100). "U" DENOTES ULTRASONIC TYPE (WATTSTOPPER UW-100).
	120-277V DIMMING WALL MOUNTED OCCUPANCY SENSOR SWITCH. DW-311 OR EQUIVALENT.
	CEILING MOUNTED LOW VOLTAGE 360° COVERAGE OCCUPANCY SENSOR. DUAL TECHNOLOGY UNLESS OTHERWISE NOTED ON DRAWINGS. WATTSTOPPER DT-300/305 OR EQUIVALENT. "P" DENOTES PASSIVE INFRARED TYPE (WATTSTOPPER CI-300/305). "U" DENOTES ULTRASONIC TYPE (WATTSTOPPER HF SERIES). PROVIDE QUANTITY OF POWER PACKS AS REQUIRED TO SUIT LOAD. PROVIDE SIGNAL CABLE AS REQUIRED TO LINK MULTIPLE SENSORS/POWER PACKS SERVING COMMON AREA OR LIGHTING ZONE.
	WALL MOUNTED LOW VOLTAGE OCCUPANCY SENSOR. DUAL TECHNOLOGY UNLESS OTHERWISE NOTED ON DRAWINGS. WATTSTOPPER DT-200/205 OR EQUIVALENT. "P" DENOTES PASSIVE INFRARED TYPE (WATTSTOPPER CX-100/105). PROVIDE QUANTITY OF POWER PACKS AS REQUIRED TO SUIT LOAD. PROVIDE SIGNAL CABLE AS REQUIRED TO LINK MULTIPLE SENSORS/POWER PACKS SERVING COMMON AREA OR LIGHTING ZONE. MOUNT 12" BELOW FINISHED CEILING UNLESS OTHERWISE NOTED ON DRAWINGS FOR ALL CEILING 12" AND UNDER.

ELECTRICAL SYMBOL SCHEDULE - COMMUNICATIONS	
COMMUNICATIONS	
	COMBINATION DATA/TELEPHONE OUTLET LOCATION. REFER TO TYPICAL MOUNTING HEIGHTS DETAIL. PROVIDE 1" WITH PULL STRING TO ABOVE ACCESSIBLE CEILING.
	CATV OUTLET. COORDINATE MOUNTING HEIGHT WITH OWNER AT ALL LOCATIONS PRIOR TO ROUGHING IN. MOUNT ADJACENT TO DUPLEX RECEPTACLE FOR POWER TO TELEVISION LOCATION. PROVIDE 1" WITH PULL STRING TO ABOVE ACCESSIBLE CEILING.
	FLUSH FLOOR MOUNTED DATA/COMMUNICATIONS OUTLET INSTALLED IN FLOOR BOX. WHERE INDICATED ADJACENT TO FLOOR POWER RECEPTACLE. DATA AND POWER MAY BE INSTALLED IN COMMON FLOOR BOX WHERE BOX IS SPECIFICALLY LISTED FOR SUCH PURPOSE AND CONTAINS SEPARATE POWER AND LOW VOLTAGE COMPARTMENTS AND RACEWAY ENTRIES. PROVIDE CARPET FLANGE/TRIM RING WITH HINGED OUTLET COVERS. FINISH AS DIRECTED BY ARCHITECT. PROVIDE 1" WITH PULL STRING TO ABOVE ACCESSIBLE CEILING.
	CEILING MOUNTED DATA/COMMUNICATIONS OUTLET. PROVIDE 1" WITH PULL STRING TO ABOVE ACCESSIBLE CEILING.
	CEILING MOUNTED SPEAKER - EXISTING.

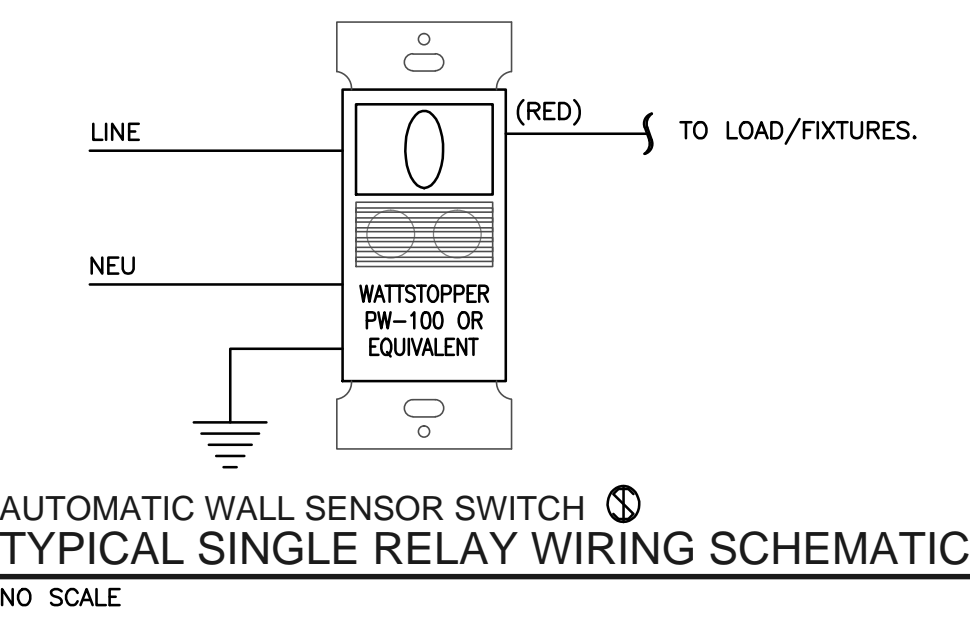
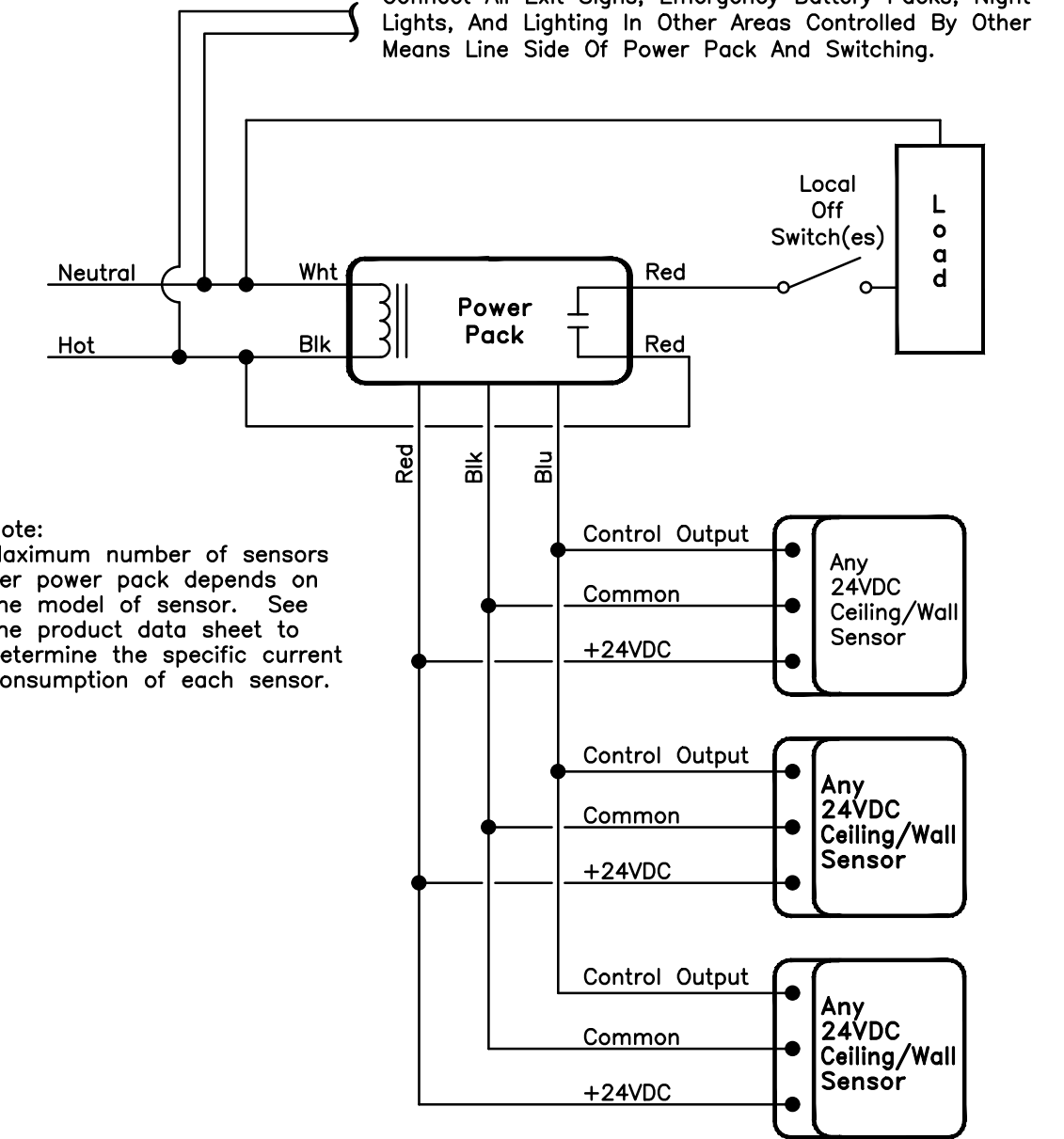


ELECTRICAL SYMBOL SCHEDULE - POWER	
POWER	
	120V, 20A DUPLEX RECEPTACLE, NEMA 5-20R, WALL MOUNTED. REFER TO TYPICAL MOUNTING HEIGHTS DETAIL. REFER TO ADDITIONAL NOTATIONS BELOW WHERE INDICATED ON DRAWINGS.
	120V, 20A DUPLEX RECEPTACLE, NEMA 5-20R, WALL MOUNTED AT 42" AFF OR MINIMUM 6" ABOVE COUNTERTOP BACKSPLASH UNLESS OTHERWISE NOTED. REFER TO ADDITIONAL NOTATIONS BELOW WHERE INDICATED ON DRAWINGS. "TV" INDICATES MOUNT ADJACENT TO CATV OUTLET.
	120V, 20A DUPLEX RECEPTACLE MOUNTED IN FLUSH FLOOR BOX. ASSEMBLY TYPE AS REQUIRED BY INSTALLATION. PROVIDE CARPET FLANGE/TRIM RING WITH HINGED COVER, FINISH AND TYPE AS DIRECTED BY ARCHITECT AND COMPATIBLE WITH ASSEMBLY.
	120V, 20A DUPLEX RECEPTACLE FLUSH MOUNTED IN FINISHED CEILING. SECURE BACKBOX TO CEILING MEMBERS AND TO STRUCTURE AS REQUIRED. CEILING MOUNTED RECEPTACLES SHALL NOT BE INSTALLED ABOVE FINISHED CEILING PER NEC.
WIRING DEVICE TYPICAL NOTATIONS	
	GROUND FAULT CIRCUIT INTERRUPTER TYPE RECEPTACLE.
	POWER OR OTHER CONNECTION TO CEILING MOUNTED PROJECTOR DEVICE. COORDINATE CONNECTION REQUIREMENTS WITH EQUIPMENT BEING INSTALLED AND CONNECT AS REQUIRED.

LIGHTING FIXTURES WEIGHING LESS THAN 56 LBS SHALL HAVE 2 #12 GAUGE HANGERS SUPPORTING THE FIXTURE TO THE STRUCTURE ABOVE. FOUR TWISTS MINIMUM.



FIXTURES SHALL BE SECURELY FASTENED TO THE CEILING FRAMING MEMBERS AT ALL FOUR CORNERS WITH GRID CLIPS.



NOTE 1: SCHEMATIC IS REPRESENTATIVE OF WATTSTOPPER PW/DW-100 AND DSW-100. CONNECTION REQUIREMENTS AND COLOR CODING MAY DIFFER BETWEEN MANUFACTURERS. FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS.
NOTE 2: WHERE APPLICABLE, CONNECT EXIT SIGNS, BATTERY PACKS FOR EGRESS LIGHTING, AND NIGHT LIGHTS LINE SIDE OF AUTOMATIC WALL SWITCH SENSORS.

NOTE 1: SCHEMATIC IS REPRESENTATIVE OF WATTSTOPPER DT-300/305. CONNECTION REQUIREMENTS AND LOW VOLTAGE TOPOLOGY MAY DIFFER BETWEEN MANUFACTURERS. FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS.
NOTE 2: WHERE APPLICABLE, CONNECT EXIT SIGNS, BATTERY PACKS FOR EGRESS LIGHTING, AND NIGHT LIGHTS LINE SIDE OF AUTOMATIC WALL SWITCH SENSORS.
NOTE 3: PROVIDE QUANTITY OF POWER PACKS AS REQUIRED TO SERVE LOADS AS INDICATED ON DRAWINGS. WHERE MULTIPLE BRANCH CIRCUITS SERVE THE SAME AREA, PROVIDE SEPARATE POWER PACKS FOR EACH BRANCH CIRCUIT AND PHASE.

DEVICE DESCRIPTION	DUPLEX RECEPTACLE	DUPLEX RECEPTACLE	DATA/TELEPHONE	DATA/TELEPHONE	EXHAUST FAN SWITCH / THERMOSTAT	DIMMER OR LIGHTING CONTROL DEVICE	LIGHT SWITCH OR OTHER LIGHTING CONTROL DEVICE	LIGHT SWITCHES AND OTHER LIGHTING CONTROL DEVICES SHALL ALWAYS BE LOCATED ON THE STRIKE SIDE OF THE DOORWAY UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
FINISHED CEILING								
LOCATION OF DEVICES RELATIVE TO FLOOR, CEILING AND DOOR OPENINGS.								
	42" OR MIN. 6" ABOVE COUNTER BACKSPLASH	42" OR MIN. 6" ABOVE COUNTER BACKSPLASH	16"	42" OR MIN. 6" ABOVE COUNTER BACKSPLASH	48"	48"	48"	

ABBREVIATIONS	
A	AMPERE
AF	ABOVE FINISHED FLOOR
AF2	ABOVE FINISHED GRADE
AF	ARC FAULT CIRCUIT INTERRUPTER
BKR	BREAKER
C	CONDUIT
CATV	CABLE TELEVISION
CKT	CIRCUIT
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
FAN	FAN COIL UNIT
GC	GENERAL CONTRACTOR
GF	GROUND FAULT CIRCUIT INTERRUPTER
GRS	GALVANIZED RIGID STEEL CONDUIT
HID	HIGH INTENSITY DISCHARGE
IG	DEVICE SHALL HAVE ISOLATED GROUND
IMC	INTERMEDIATE METALLIC CONDUIT
JB or J-BOX	JUNCTION BOX
KVA	KILOVOLT AMPERES
KW	KILOWATT
MAX	MAXIMUM
MCC	MECHANICAL CONTRACTOR
MDP	MAIN DISTRIBUTION PANEL
MIN	MINIMUM
MFR	MANUFACTURER
NMC	NONMETALLIC-SHEATHED CABLE </td
SWD	2020 NATIONAL ELECTRICAL CODE, (NFPA 70)
NEC	2020 NATIONAL ELECTRICAL CODE, (NFPA 70)
SWD	SWITCHBOARD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
WC	WATER COOLER
XFMR	TRANSFORMER

NOTE: WHERE WALL BLOCKING INTERFERES WITH EXACT MOUNTING HEIGHTS, CONTRACTOR SHALL COORDINATE WITH ARCHITECT FOR EXACT MOUNTING HEIGHT PRIOR TO ROUGH-IN.

ALL MOUNTING HEIGHTS ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS

DEVICE MOUNTING HEIGHTS
NO SCALE

LIGHT FIXTURE SCHEDULE					
TYPE	DESCRIPTION	CATALOG NUMBER	LAMPS	WATTAGE	NOTES
A50	2'x4' LED FLAT PANEL, FIELD SELECTABLE LUMEN/CCT, DIMMABLE	DAYBRITE #258P3550LBCS-4-UNV-DIM	LED BY MFR.	50.0W	DAYBRITE: SET AT 50W
		LSI #SFP24-LED-FS2-UNV-DIM		55.0W	LSI: SET AT 55W
		ILP #VPAN24-33L/44L/55L-U-*		49.4W	ILP: SET AT 55L
A70	2'x4' LED FLAT PANEL, 6000 LUMEN PACKAGE, DIMMABLE	DAYBRITE #2FP260L-4-DS-UNV-DIM	LED BY MFR.	46.3W	-
		LSI #SFP24-LED-FS2-UNV-DIM		55.0W	LSI: SET AT 55W
		ILP #VPAN24-50L/65L/80L-U-*		57.4W	ILP: SET AT 80L
B35	2'x2' LED FLAT PANEL, FIELD SELECTABLE LUMEN/CCT, DIMMABLE	DAYBRITE #258P3040LBCS-2-UNV-DIM	LED BY MFR.	30.0W (40W MAX)	DAYBRITE: SET AT 30W
		LSI #SFP22-LED-FS2-UNV-DIM		30.0W (45W MAX)	LSI: SET AT 30W
		ILP #VPAN22-22L/33L/44L-U-*		30.5W (39W MAX)	ILP: SET AT 33L
J09	SUSPENDED LED LINEAR FIXTURE, DIMMABLE	HE WILLIAMS #MX40-32-00-LB/*-F-DIM-UNV	LED BY MFR.	233.6W	CHAIN OR PENDANT HANG SO THAT FIXTURE IS 10"-6" TO BOTTOM OF FIXTURE
		LUX #E054.0-P-D-LAM-1000-32-*-*11-*-*D48-32*		280.0W	
		NULITE #RP744D-09PUD-11-FRF-*11-*-*D48-32*		248.8W	
	LED EXIT LIGHT WITH EMERGENCY EGRESS LED LAMPS, 90 MINUTE MINIMUM BATTERY BACKUP. *HOUSING AND LETTERING COLOR AS DIRECTED BY ARCHITECT.	EMERG-LITE #ELXN400-LED SERIES	BY MFR.	0.7W	CONNECT TO LINE SIDE OF ANY SWITCHING VIA LIGHTING CIRCUIT SERVING SAME AREA.
		ISOLITE #CMB SERIES			
		LIGHTLARMIS #LUXLN500-2LED SERIES			
	LED EXIT LIGHT WITH EMERGENCY EGRESS LED LAMPS AND REMOTE DUAL HEAD LED EGRESS FIXTURE. HIGH OUTPUT BATTERY, 90 MINUTE MINIMUM BATTERY BACKUP. *HOUSING AND LETTERING COLOR AS DIRECTED BY ARCHITECT.	EMERG-LITE #ELXN400-LED SERIES	BY MFR.	5.3W	CONNECT TO LINE SIDE OF ANY SWITCHING VIA LIGHTING CIRCUIT SERVING SAME AREA.
		EMERG-LITE #EF44D SERIES			
		ISOLITE #CMB SERIES			
		WITH REMOTE HEAD #MMH SERIES			
		LIGHTLARMIS #LUXLN500-2LED SERIES			
		WITH REMOTE HEAD #ELF552D/LED-WP SERIES			
	DUAL LAMP EMERGENCY EGRESS FIXTURE. MOUNT 7'-6" AFF. WHEN SHOWN AS WALL MOUNTED, 90 MINUTE MINIMUM BATTERY BACKUP. *HOUSING AND LETTERING COLOR AS DIRECTED BY ARCHITECT.	EMERG-LITE #EL-2RHLL SERIES	BY MFR.	1.2W	CONNECT TO LINE SIDE OF ANY SWITCHING VIA LIGHTING CIRCUIT SERVING SAME AREA.
		ISOLITE #BUG SERIES			
		LIGHTLARMIS #LCA-2RHLL SERIES			

1. FIXTURES LABELED "NL" SHALL BE CONNECTED LINE SIDE OF ANY SWITCHING, RELAY, OR OTHER CONTROL DEVICE. CONNECT TO NORMAL LIGHTING CIRCUIT SERVING SAME AREA.
2. LAMPING COLOR TEMPERATURE PER ARCHITECT AND OWNER REQUIREMENTS.

ELECTRICAL SPECIFICATIONS

1. GENERAL PROVISIONS

- A. Work included in these specifications and included on the drawings shall include furnishing all labor, materials, supplies, and equipment to perform all work required including cutting, channeling, chasing, excavating and backfilling, to install a complete and working electrical system(s) in accordance with these sections of the specifications and the accompanying drawings. This shall include all required preparation work, raceways, coordination, etc. required to install the electrical system.
- B. The electrical work shall include, but in no way be limited to the following:
 - 1. Raceways (To include raceways for conductors and cables, but also empty for designated signal systems and future uses.)
 - 2. Electrical Distribution System.
 - 3. Interior Lighting Systems.
 - 4. Interior Power Systems.
 - 5. Wiring Devices.
 - 6. Telephone Raceway System.
 - 7. Data Raceway System.
 - 8. Connection and installation of Equipment Furnished Under Other Divisions of the Specification.

C. The contractor is responsible for including any and all work related to the electrical that is noted in any part of the specifications or any part of the drawings, including Divisions 1, 15 and any other sections. The contractor will supply power to equipment at the voltage indicated on the drawings. The contractor will be held responsible for coordinating the equipment voltages, control equipment, wiring, and locations and type of terminations/connections and/or disconnects required to comply with the National Electrical Code, International Building Code, International Energy Conservation Code, all local codes, and the equipment manufacturer's requirements.

D. Electrical Drawings are diagrammatic in nature except where specific dimensions, or specific details are shown on the electrical, mechanical, or architectural drawings. The contractor shall refer to other drawings for exact locations of equipment, building dimensions, architectural details and conditions affecting the electrical work; however, field measurements take precedence over dimensioned drawings. The Electrical Contractor shall provide all labor and materials and all incidental elements; junction and pull boxes, filters, pull wires, connectors, support materials, fuses, disconnect switches, lamps, and labels, to install, connect, start-up and result in a complete and working system in accordance with the drawings and specifications. The contractor is responsible for coordinating the installation of all electrical work with the work of other contractors and/or trades. The electrical drawings are such that the electrical service to equipment furnished and installed under other sections of the contract documents (examples, include but are not limited to: HVAC equipment, water heaters, fans, pumps, motors, etc) is coordinated for the specified equipment only. If the equipment installed under other divisions of the contract documents is not the specified equipment it is the responsibility of the contractor to coordinate the electrical service/interface requirements with the electrical contractor.

E. Provide all wiring, connectors, fittings, connections, and all accessories for the complete installation of, and final connections to, equipment furnished under other divisions of the specifications and where indicated on the drawings or otherwise specified.

F. All safety disconnect switches shall be provided under Division 16 unless specifically noted on drawings. The electrical contractor shall furnish and install fuses that are sized in accordance to the equipment nameplate of the equipment served.

G. The contractor is responsible for obtaining all required permits and complying with all National (NEC, IBC, NFPA), State, County, and Municipal codes and regulations. This shall include, but not be limited to, the following:

- 1. Federal Occupational Safety and Health Act (OSHA)
- 2. NFPA 70 (National Electrical Code)
- 3. NFPA 101 (Life Safety Code)
- 4. Americans with Disabilities Act (ADA).
- 5. International Building Code (IBC).
- 6. International Fire Code (IFC).
- 7. NFPA 72.
- 8. International Energy Conservation Code (IECC).

H. The contractor shall keep a set of construction drawings during the length of the project on which he shall note any and all changes from the original drawings. This record set of drawings shall be updated daily.

I. Electrical Subcontractor shall submit for review by the Engineer detailed shop drawings of all material listed below. All submittal data shall be submitted at one time through the Architect. No material or equipment for which Engineer's review is required shall be delivered to the job site or installed until the Electrical Contractor has in his possession the reviewed and approved shop drawings for the particular material and/or equipment. The Electrical Contractor shall assemble, organize, prepare and review for correctness shop drawings on all materials, equipment, fixtures and devices to be used. If material submitted is the result of "value engineering" or "prior approval" changes, the submittal must contain supporting documentation of the approved changes, otherwise it will be reviewed against the specified products on these plans. The Electrical contractor shall furnish the number of copies specified by the Architect or one (1) PDF copy of shop drawings if no number is specified by the Architect. Shop drawings that are incorrectly submitted, contain errors or omissions, or not in the form and sequence specified shall be rejected as unapproved.

Shop drawings shall contain as cover page a letter by the supplying Vendor stating that the Vendor has received full contract documents and that to the best of his or her knowledge the submittal is in compliance with the contract documents and design intent including all ancillary parts and pieces required for a complete job.

Review of shop drawings in no way relieves the Contractor of his responsibility of quantity, dimensions, weights, means and methods, safety, or coordination with others.

Failure of the Contractor to submit shop drawings to the Engineer with reasonable time for review shall not entitle the Contractor to an extension of contract time. Reasonable review time is fifteen working days unless otherwise specified.

At minimum shop drawings shall be submitted for

- 1. Lighting fixtures
- 2. Lighting control systems including relay panel and automatic switches
- 3. Basic materials; wire, conduit, fittings, wiring devices

J. Requests for Substitution -- Not Permitted.

K. Catalog numbers and names that appear in the specifications or on the plans may be incomplete or obsolete and are for descriptive purposes only. As such they may not indicate all of the parts, pieces and systems required for a complete and operating installation. It is the responsibility of the Electrical Contractor, the Vendor and the Supplier to review the plans, specifications and applications to determine the correct item(s) required to include all installation and support materials and systems for a complete and working installation.

2. FIRE SPREAD PREVENTION MATERIAL

A. The work shall include the requirement to install fire spread prevention material wherever the electrical contractor installs or penetrates a material (wall, etc.) to install electrical equipment or materials.

B. Fire Resistance Rating: Whenever a fire rated wall, floor, floor-ceiling or roof-ceiling assembly is shown with through-penetrations, provide materials and application procedures which have been tested and classified by UL and approved by FM for the assembly.

C. Installation shall be in accordance with the printed instructions as supplied by the manufacturer.

3. RACEWAYS/CONDUITS AND ASSOCIATED EQUIPMENT

A. The work shall include all raceways, conduits, fittings, and all other equipment required to install a raceway system. This shall include, but not limited to the following:

- 1. Rigid metal conduit and fittings.
- 2. Electrical metallic tubing and fittings.
- 3. Flexible metal conduit and fittings.
- 4. Liquid tight flexible metal conduit and fittings.
- 5. Non-metallic conduit and fittings.

B. Except where otherwise permitted on drawings route all conductors in conduit.

C. All signal systems shall have their wiring installed in conduit/raceways to above accessible ceiling and in inaccessible ceiling spaces. All cabling exposed above ceiling shall be plenum rated.

Conduit routing and device wiring for signal system components is not shown on the drawings. The contractor shall coordinate with the signal system manufacturer to determine the conduit (size and routing) and wiring requirements to circuit the equipment shown on the drawings.

D. Specified products and their areas of use shall be as described on drawings.

E. Fittings shall be steel compression type, concrete tight for all EMT raceways. For PVC raceways, use slip fittings with glue joints. For rigid galvanized steel and IMC, fittings shall be threaded galvanized iron, heavy steel, concrete tight.

F. Size conduit for conductor type installed; 1/2 inch minimum size.

G. For all empty raceways, furnish and install a nylon pull cord. The nylon pull cord shall be rated for a 200 pound force pull strength.

4. WIRE AND CABLE -- 600 VOLTS AND LESS

A. Work shall include the furnishing and installing of all required wire and cable to complete the wiring and electrical system. This shall include, but not be limited to the following:

- 1. Building wire.
- 2. Wiring connections and terminations.
- 3. Communications cabling as specified on drawings.

B. Feeders and Branch Circuits 6 AWG and Smaller: Copper conductor, 600 volt insulation, THHN, 6 and 8 AWG, stranded conductor; smaller than 8 AWG, solid conductor. MINIMUM SIZE SHALL BE #12 FOR ALL WIRING ABOVE 48 VOLTS. All conductors in damp or wet locations (including below grade) shall be listed for that use, THWN-2 or equivalent.

C. All cables shall be color coded. Color coding shall be as follows:

120/208 Volt	Phase
Black	A
Red	B
Blue	C
White	Neutral
Green	Ground

D. Each wire or cable in a feeder at its terminal points, and in each pull-box, junction box, and panel gutter through which it passes shall be identified to show the circuit number of the breaker that it connects to. Each common wire, common circuit to common loop of a system, sound system, or any signal system conductor, shall be identified.

E. All installation shall be in accordance with the NEC. All splices shall be in junction boxes and shall be electrically and mechanically secure. Where a circuit home run is shown on the plans without any conductor or raceway identification, it shall be a minimum of 2 # 12, 1 # 12 Ground, 1/2" Conduit. Place an equal number of conductors for each phase of a circuit in same raceway or cable. Splice only in junction or outlet boxes. Neatly trim and lace wiring inside boxes, equipment, and panelboards. Perform continuity test on all power and equipment branch circuit conductors. Verify proper phasing connections.

5. WIRING DEVICES

A. The shall include the furnishing and installing of any and all wiring devices required to make a complete and functioning wiring system. See the drawings for symbols and descriptions of devices. Devices specified are to establish a level of quality. All devices shall be best specification grade. Equivalent devices by Pass and Seymour or Leviton are acceptable.

Color of devices shall be per Architect.

B. Duplex receptacle shall be 20 ampere, 120 volt, 2-Pole, 3-Wire, NEMA 5-20R. Unit shall be HBL #5362 or HBL #5362TR (where required).

C. Ground Fault receptacle shall be HBL #GF5362 or HBL #GF5362TR (where required).

D. Light switches other than sweep switches and low voltage button stations shall be 20 ampere, 120-277 volt. Unit shall be HBL #1221 for SPST, HBL #1223 for three-way, and HBL #1224 for Four-Way.

E. Installation shall be per NEC. Include ground wire and connection with all receptacle circuits. Quadraplex receptacles shall be two duplex receptacles installed in a two gang box. Install wall switches OFF position down. Install convenience receptacles grounding pole on top. Install devices and wall plates flush and level. Provide GFCI receptacle within 6' of any water source. GFCI receptacles shall not be used to protect non-GFCI receptacles.

F. Wiring Device Plates:

- 1. Provide over-sized Thermostat type cover plates for all flush mounted devices. Color shall match existing or provide at minimum selection of white, ivory, brown or gray.
- 2. Plates for surface mounted devices in unfinished areas shall be steel, galvanized types with beveled edges.
- 3. Screws securing the plate shall have flush mounted heads (when installed) with finish to match that of the plate.
- 4. Weather-proof plates shall be constructed with cast aluminum base plates and covers. Hinge pins, springs and screws shall be constructed of stainless steel. Covers shall comply with appropriate UL and NEC requirements for use in wet locations.

6. PANELBOARDS

A. This section includes furnishing and installing panelboards and related equipment to form a complete and functioning electrical system. This shall include, but not be limited to the following:

- 1. Service and distribution panelboards.
- 2. Lighting and appliance branch circuit panelboards.

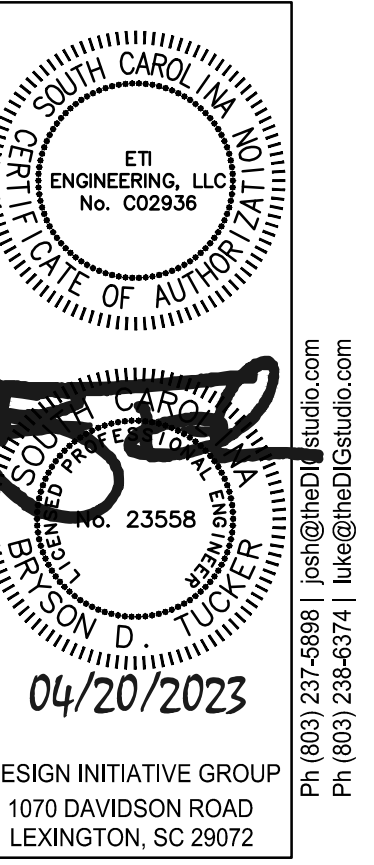
B. Molded Case Circuit Breakers: NEMA AB 1; provide circuit breakers with integral thermal and instantaneous magnetic trip in each pole. Provide circuit breakers UL listed as Type HACR for air conditioning equipment branch circuits. All breakers shall be bolt on type.

C. Provide typed circuit directory for each circuit breaker in each panelboard. Visual and Mechanical Inspection: Inspect for physical damage, proper alignment, anchorage, and grounding. Check proper installation and tightness of connections for circuit breakers, fusible switches, and fuses. Provide name plates for each panel and switch as described in the General Notes on the drawings.

7. SECONDARY GROUNDING

A. Work included shall include power system grounding, communication system grounding, and electrical equipment and raceway grounding and bonding. Ground electrical work in accordance with NEC Article 250, local codes as specified herein, and as shown on the drawings.

B. Install equipment grounding conductors in raceway with feeder and branch circuit conductors. Ground interior lighting fixtures with grounding conductor to rigid metal raceways serving them. Flexible metal conduit shall have a ground wire installed with the power conductors. Where connections are made to motors or equipment with flexible metal conduit, grounding conductors shall be stranded copper conductor within the conduit, bonded to the equipment and to the rigid metal raceway system. At each convenience outlet, install a grounding clip attached to the outlet box and leave a sufficient length of #12 wire with green colored insulation to connect to the grounding terminal of the receptacle.



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H59-N226-CL NORTHLAKE COMMUNITY LEARNING CENTER
702 NORTH LAKE DRIVE
LEXINGTON, SOUTH CAROLINA 29072

06.21.23

ELECTRICAL SPECIFICATIONS

23-010

E0.2

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DEMOLITION LEGEND:

EXISTING ELECTRICAL SYSTEM ELEMENT BEING DEMOLISHED DENOTED BY HATCHING. REMOVE DEVICE, BOX, CONDUCTOR AND CONDUIT TO SOURCE UNLESS OTHERWISE NOTED. SEE RENOVATION PLANS FOR NEW SWITCH LOCATIONS RE-USE EXISTING LOCATION FOR NEW SWITCHING INDICATED ON RENOVATION PLANS, WHERE NO NEW SWITCH IS INDICATED PROVIDE BLANK PLATE.

EX EXISTING TO REMAIN
 ER EXISTING TO BE RELOCATED. SEE RENOVATION PLANS FOR NEW LOCATION (EX)

GENERAL DEMOLITION NOTES:

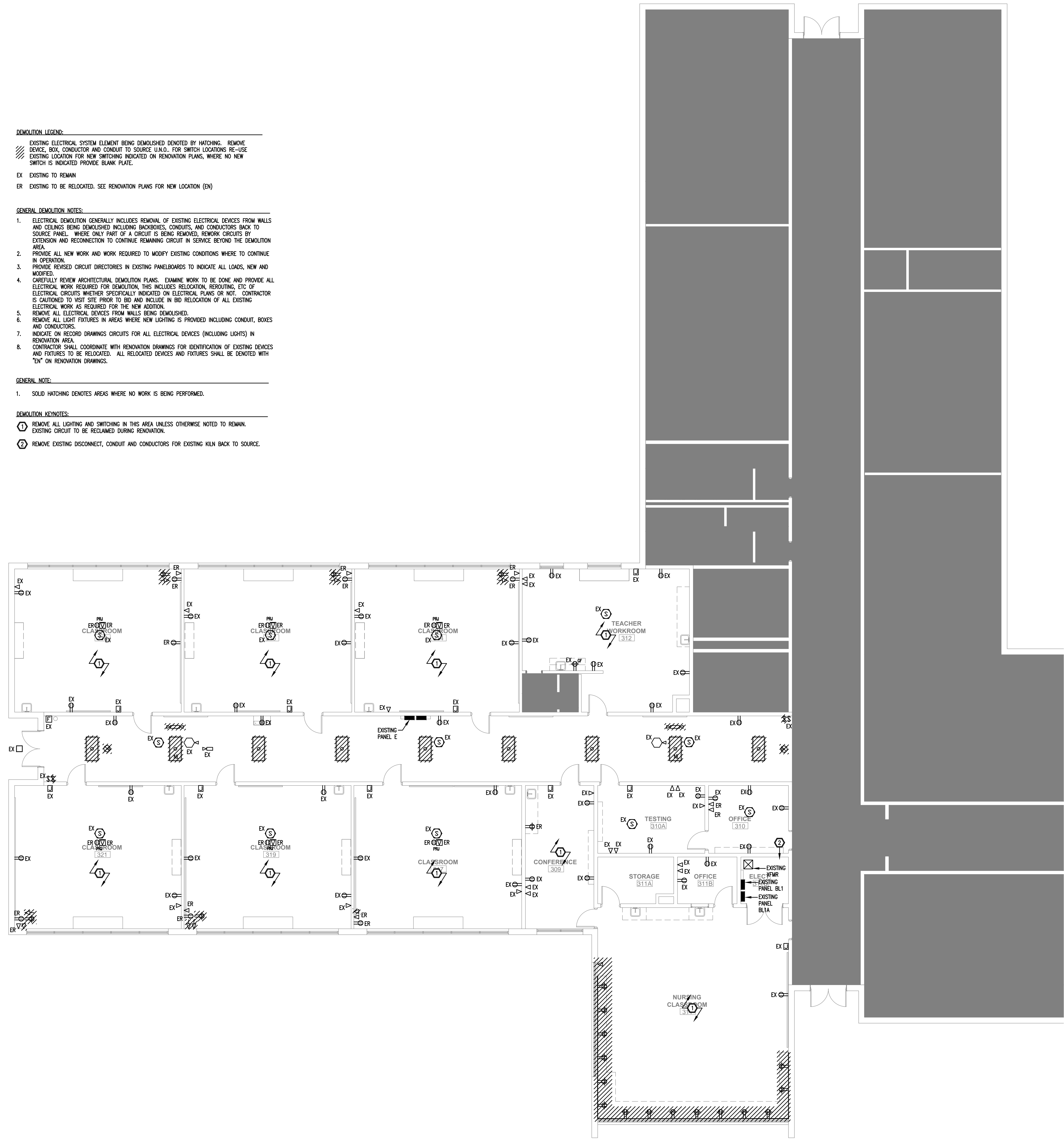
- ELECTRICAL DEMOLITION GENERALLY INCLUDES REMOVAL OF EXISTING ELECTRICAL DEVICES FROM WALLS AND CEILINGS BEING DEMOLISHED INCLUDING BACKBOXES, CONDUITS, AND CONDUCTORS BACK TO SOURCE PANEL. WHERE ONLY PART OF A CIRCUIT IS BEING REMOVED, REWORK CIRCUITS BY EXTENSION AND RECONNECTION TO CONTINUE REMAINING CIRCUIT IN SERVICE BEYOND THE DEMOLITION AREA.
- PROVIDE ALL NEW WORK AND WORK REQUIRED TO MODIFY EXISTING CONDITIONS WHERE TO CONTINUE IN OPERATION.
- PROVIDE REVISED CIRCUIT DIRECTORIES IN EXISTING PANELBOARDS TO INDICATE ALL LOADS, NEW AND MODIFIED.
- CAREFULLY REVIEW ARCHITECTURAL DEMOLITION PLANS. EXAMINE WORK TO BE DONE AND PROVIDE ALL ELECTRICAL WORK REQUIRED FOR DEMOLITION, THIS INCLUDES RELOCATION, REROUTING, ETC OF ELECTRICAL CIRCUITS WHETHER SPECIFICALLY INDICATED ON ELECTRICAL PLANS OR NOT. CONTRACTOR IS CAUTIONED TO VISIT SITE PRIOR TO BID AND INCLUDE IN BID RELOCATION OF ALL EXISTING ELECTRICAL WORK AS REQUIRED FOR THE NEW ADDITION.
- REMOVE ALL ELECTRICAL DEVICES FROM WALLS BEING DEMOLISHED.
- REMOVE ALL LIGHT FIXTURES IN AREAS WHERE NEW LIGHTING IS PROVIDED INCLUDING CONDUIT, BOXES AND CONDUCTORS.
- INDICATE ON RECORD DRAWINGS CIRCUITS FOR ALL ELECTRICAL DEVICES (INCLUDING LIGHTS) IN RENOVATION AREA.
- CONTRACTOR SHALL COORDINATE WITH RENOVATION DRAWINGS FOR IDENTIFICATION OF EXISTING DEVICES AND FIXTURES TO BE RELOCATED. ALL RELOCATED DEVICES AND FIXTURES SHALL BE DENOTED WITH "ER" ON RENOVATION DRAWINGS.

GENERAL NOTE:

- SOLID HATCHING DENOTES AREAS WHERE NO WORK IS BEING PERFORMED.

DEMOLITION KEYNOTES:

- REMOVE ALL LIGHTING AND SWITCHING IN THIS AREA UNLESS OTHERWISE NOTED TO REMAIN. EXISTING CIRCUIT TO BE RECLAIMED DURING RENOVATION.
- REMOVE EXISTING DISCONNECT, CONDUIT AND CONDUCTORS FOR EXISTING RUN BACK TO SOURCE.



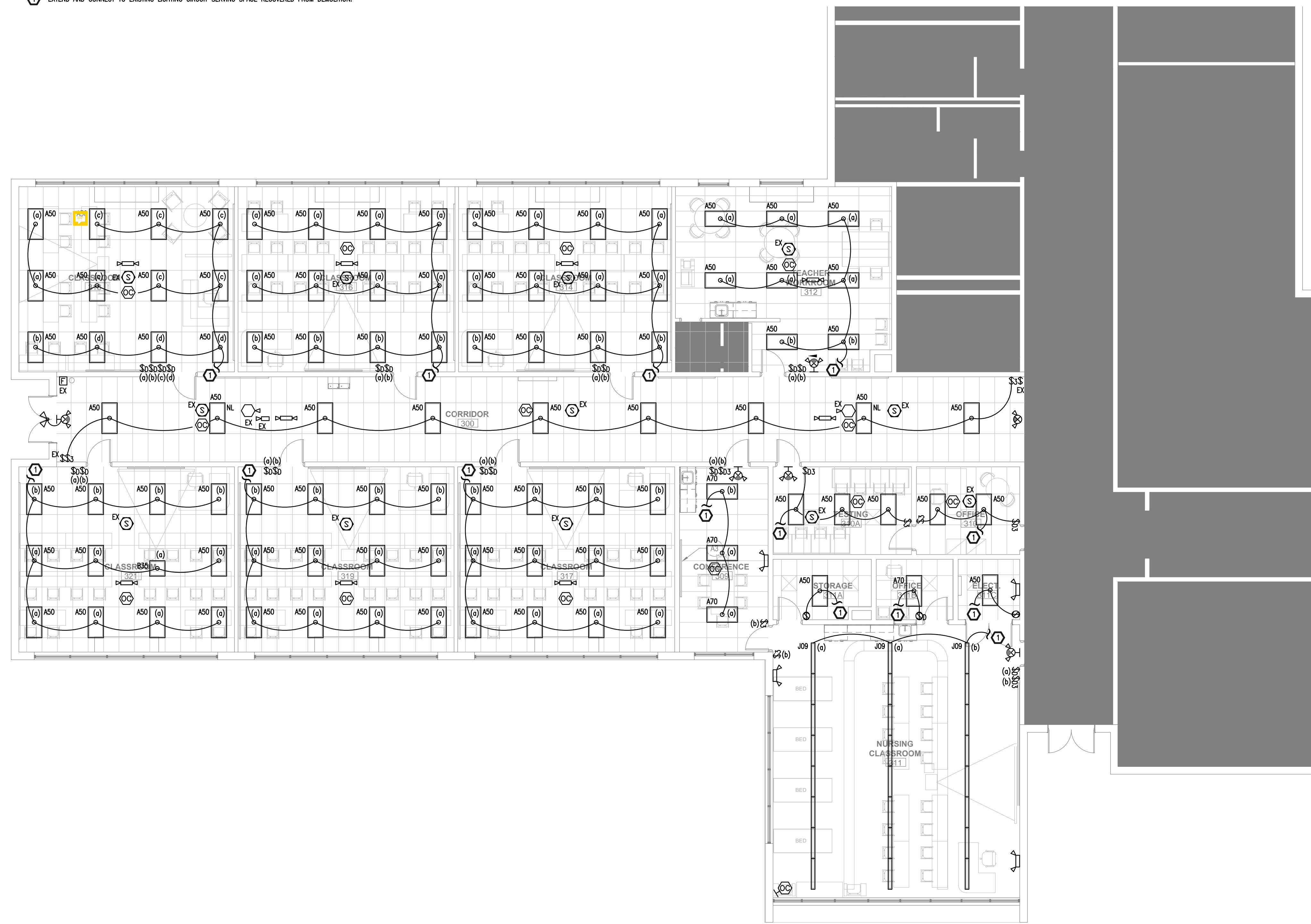
1 ELECTRICAL DEMOLITION PLAN
 ED1.1 APPROXIMATE SCALE: 1/8" = 1'-0"

RENOVATION LEGEND:
 EX EXISTING TO REMAIN
 EN EXISTING NEW LOCATION

GENERAL NOTE:

- SOLID HATCHING DENOTES AREAS WHERE NO WORK IS BEING PERFORMED.
- LOWERCASE LETTERING AT FIXTURES AND SWITCHES DENOTES SWITCHING/DIMMING ZONE. SWITCHING/DIMMING ZONE DOES NOT EXTEND PAST EACH ROOM.
- INDICATE ON RECORD DRAWINGS CIRCUITS FOR ALL ELECTRICAL DEVICES (INCLUDING LIGHTS) IN RENOVATION AREA.

RENOVATION KEYNOTES:
 (1) EXTEND AND CONNECT TO EXISTING LIGHTING CIRCUIT SERVING SPACE RECOVERED FROM DEMOLITION.



1 LIGHTING RENOVATION PLAN
 E1.1 APPROXIMATE SCALE: 1/8" = 1'-0"

H59-N226-CL NORTHLAKE COMMUNITY LEARNING CENTER
 702 NORTH LAKE DRIVE
 LEXINGTON, SOUTH CAROLINA 29072

06.21.23

LIGHTING RENOVATION PLAN
 23-010

E1.1

NAME : E (EXISTING) BUS AMPS : 225A
 SYSTEM : NORMAL MAIN : MLC
 TYPE : CATW PRL-1A VOLTAGE : 120-208V/3Ø/4W/5N
 INTERRUPTING RATING : MOUNTING : FLUSH

CKT	CIRCUIT NAME	WIRE	COND	LOAD	BRK	POLES	PHASE	POLES	BRK	LOAD	COND	WIRE	CIRCUIT NAME	CKT
1	LIS. RM 311	20		20		A							LIS. RM 317	2
2	LIS. RM 311	20		20		B							LIS. RM 319	4
3	LIS. RM 311	20		20		C							LIS. RM 321	6
4	LIS. RM 316	20		20		A							LIS. RM 316	8
5	LIS. RM 316	20		20		B							LIS. RM 318	10
6	LIS. RM 316	20		20		C							LIS. WORKROOM	12
7	RECEP. RM 300	20		20		A							RECEP. RM 312	14
8	RECEP. RM 316	20		20		B							RECEP. RM 318	16
9	RECEP. RM 316	20		20		C							RECEP. RM 324	18
10	RECEP. RM 314	20		20		A							RECEP. WORKROOM	20
11	RECEP. RM 314	20		20		B							RECEP. WORKROOM	22
12	RECEP. RM 314	20		20		C							RECEP. WORKROOM	24
13	RECEP. RM 316	12	1/2	0.4		A							SPARE	26
14	RECEP. RM 316	12	1/2	0.4		B							SPARE	28
15	RECEP. RM 316	12	1/2	0.4		C							SPARE	30
16	RECEP. RM 316	12	1/2	0.4		A							RTV-LIBRARY	32
17	RECEP. RM 316	12	1/2	0.4		B							RTV-LIBRARY	34
18	RECEP. RM 316	12	1/2	0.4		C							RTV-LIBRARY	36
19	RECEP. RM 314	12	1/2	0.8		A				0.8	1/2	12	RECEP. RM 314	38
20	RECEP. RM 314	12	1/2	0.8		B				0.8	1/2	12	RECEP. RM 314	40
21	RECEP. RM 314	12	1/2	0.8		C				0.8	1/2	12	RECEP. RM 300	42
22	PROJ. REC. RM 311	20		0.2		1/2	1/2						PROJ. REC. RM 311	44

CONNECTED LOAD, THIS SECTION (KVA): 8.8 + EXIST.

- SUBSCRIPT "G" ADJACENT TO CIRCUIT BREAKER DESIGNATES PROVIDE WITH LOCKING HSP
 • VERIFY WITH OWNER PROVIDED EQUIPMENT REQUIREMENTS
 ** OR AS REQUIRED BY EQUIPMENT BEING INSTALLED

NAME : BL1 (EXISTING) BUS AMPS : 225A
 SYSTEM : NORMAL MAIN : 150A/3P MAIN BREAKER
 TYPE : VOLTAGE : 120-208V/3Ø/4W/5N
 INTERRUPTING RATING : MOUNTING : SURFACE

CKT	CIRCUIT NAME	WIRE	COND	LOAD	BRK	POLES	PHASE	POLES	BRK	LOAD	COND	WIRE	CIRCUIT NAME	CKT
1	RECEP. RM 310A	12	1/2	0.8		A				60			RTHP-3	2
2	RECEP. RM 310A	12	1/2	0.8		B				40			RTHP-1	4
3	REP-5			30		A				20			A/C	6
4	REP-5			30		B				20			A/C	8
5	REP-5			30		C				20			A/C	10
6	HAND DRIVER BOYS RR			30		A				30			HAND DRIVER BOYS RR	12
7	HAND DRIVER BOYS RR			30		B				30			HAND DRIVER BOYS RR	14
8	HAND DRIVER BOYS RR			30		C				30			HAND DRIVER BOYS RR	16
9	REC & CLK ASST PRINCIPAL			20		1.0	1/2			12			RECEP. NURSING CLASSROOM	18
10	?			70		A				50			COMPUTER ROOM?	20
11	?			70		B				50			COMPUTER ROOM?	22
12	?			70		C				50			COMPUTER ROOM?	24

CONNECTED LOAD, THIS SECTION (KVA): 8.2 + EXIST.

- SUBSCRIPT "G" ADJACENT TO CIRCUIT BREAKER DESIGNATES PROVIDE WITH LOCKING HSP
 • VERIFY WITH OWNER PROVIDED EQUIPMENT REQUIREMENTS
 ** OR AS REQUIRED BY EQUIPMENT BEING INSTALLED

RENOVATION LEGEND:
 EX EXISTING TO REMAIN
 EN EXISTING NEW LOCATION

GENERAL NOTE:

- SOLID HATCHING DENOTES AREAS WHERE NO WORK IS BEING PERFORMED.
- INDICATE ON RECORD DRAWINGS CIRCUITS FOR ALL ELECTRICAL DEVICES (INCLUDING LIGHTS) IN RENOVATION AREA.



1 POWER & COMMUNICATIONS RENOVATION PLAN
 APPROXIMATE SCALE: 1/8" = 1'-0"

06.21.23

POWER & COMMS
 RENOVATION PLAN

23-010

E2.1