



## ADDENDUM 001

DATE: January 21, 2025  
COMM NO: 24028  
PROJECT: Crawford Hall Renovation - Roanoke College

TO: All Bidders  
FROM: Earle Shumate  
RE: Responses to Questions Received During Bidding

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The following clarifications, additions and/or changes shall be incorporated into the bidding documents, consisting of bidding requirements, conditions of the contract, drawings and specifications, dated December 18, 2024. Insert this addendum number on the bid form for this project, under addenda received.

### CONTACT INFORMATION

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Tel.: 540.342.4002

Email: [eshumate@hughesae.com](mailto:eshumate@hughesae.com)

1. **Comment:** Link to responses and additional drawing: <https://hughesae-my.sharepoint.com/:f:/p/eshumate/EhLmq8CPSadIozjUPPt9TzkBX7el6qCgZ8oMm6JWY-PPRA?e=01EDCX>
2. **Comment:** The project manual is available at the link above.
3. **Question:** Sheet A6-2 is missing from the drawing set.
  - a. Missing sheet has been added and is available at the link above.
4. **Comment:** Original drawings of the building and attic storage with MEP upgrades are available at the link above.
5. **Question:** Refer to sheet A2-1 & A1-5. There are 8 Doors (326A, 326B, 326C, 326E, 326D, 326G, 326F, 326H) that are not on the door schedule.
  - a. Door Schedule on Sheet A2-1 has been revised to include these doors.
6. **Question:** The architect has called for CT-3 Cove Base in the 106 Lobby and 107 Vestibule areas. Daltile does not make cove base trim in the CT-3 - ML63 Medium Grey Tile. The CT-3 Cove Base also shows up in the following areas - 112, 219 and 319. Please advise for a cove base substitution or change in color of the floor tile.
  - a. The manufacturer states that the specified base (P36C9TB Modern Textile Medium Gray) is available.

FLOOR					FABRIC LOOK					
FABRIC ART™ COLORBODY™ PORCELAIN FLOOR & MOSAIC										
SIZES					TRIM					
			Thickness	Sq. Ft./ Carton	Pieces/ Carton	Type	Number	Size	Pieces/ Carton	
	24 x 24 Floor Tile ■	(23-3/8" x 23-3/8") (59.44 cm x 59.44 cm)	5/16"	15.20	4		Bullnose ■	P-43C9	3 x 12	30
	12 x 24 Floor Tile ■	(11-11/16" x 23-3/8") (29.56 cm x 59.44 cm)	5/16"	15.12	8		Cove Base ■	P-36C9TB	6 x 12	22
	1 x 3 Straight-joint Mosaic ■ (Mesh-mounted)	(11-5/8" x 11-13/16" Sheet) (29.61 cm x 29.99 cm Sheet)	5/16"	9.56	10		Cove Base Outcorner ■	PC-36C9TB	1 x 6	15
■ Available in Modern Textile only					Bullnose in Modern Linear and Modern Kaleidoscope available through Special Order with extended lead time.					
					Cove base trim is intended to coordinate with floor tile in the standard 90-degree installation position.					
					Cove base and cove corner trim are suitable for non-freezing climates only.					
					■ Available in Modern Textile only					

7. **Question:** Can you provide a draft of what contract will be used for the project?
- The contract will be based on AIA A101 - 2017- Standard Form of Agreement Between Owner and Contractor.
8. **Question:** There was discussion at the prebid meeting regarding performance and payment bonds. Will this be required?
- A performance bond will be required. No bid bond is required.
9. **Question:** During the prebid meeting there was discussion for allowances to be included by the GC. We understand these to be: Fire Alarm; Access Control; Asbestos; and Sprinkler.
- Access controls will be provided by the Owner. Sprinklers are not being added. See Specification Section 01 2100 – Allowances.
    - Asbestos Mitigation: \$250,000
    - Fire Alarm: \$25,000
    - Elevator Renovation: \$400,000
10. **Question:** During the prebid meeting the following items were mentioned, but there is no information shown on the drawings: thermal insulation; elevator replacement. Please advise on what should be included.
- In areas where the third floor ceiling below the attic is exposed, provide foamed-in-place insulation on the bottom of the deck to provide R-47. Insulation extends to the structural beam on each side of the corridor. See Specification Section 07 2119 – Foamed-in-Place Insulation.
11. **Question:** Sheet A6-1 provides a toilet accessory schedule, but there are only item descriptions, no model information. Please provide what items should be included along with finishes as there can be a great variance in cost.
- Sheet A6-2 has been added showing locations of toilet accessories. See Specification Section 10 2800 – Toilet, Bath, and Janitorial Accessories for model numbers. Basis of Design is American Specialties; however, products of other manufacturers are acceptable.
12. **Question:** Sheet A6-1 shows the cubbies to be constructed out of melamine materials, however the finish schedule on ID1-1 shows PLAM 2 for toilet cubbies. Which is correct?
- Provide plastic laminate as indicated on ID1-1

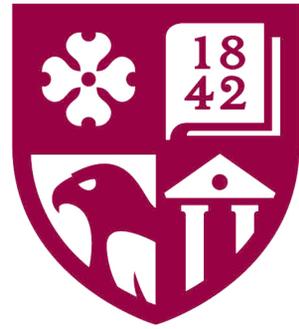
13. **Question:** Please advise on the interior glass that is shown on all the east study lounges (123, 216 & 316) as to what this is.
  - a. See revised Sheet A2-1 for details. Borrowed lights will be hollow metal frames and insulated glazing. See Specification Section 08 8000 2.03 B.
14. **Question:** Who is responsible for removing the shrubbery and replanting for the electrical service entrance feeder?
  - a. The Contractor is responsible for moving and re-planting or replacing shrubbery.
15. **Question:** Who is responsible for removing and putting back the brick pavers for the electrical service entrance feeder?
  - a. The Contractor is responsible for removing the pavers and Roanoke College will replace.
16. **Question:** The Title, T1 shows the following pages which are missing: A1-7, A4-3. Please provide. The Title also omits the following pages which are included but not shown on the sheet list. ID3.1, 3.2,3.3,3.4,3.5,3.6
  - a. See revised Sheet T-1. Delete reference to A1-7. Remove Sheets ID3.1 thru ID 3.6 as they contain no additional information. Sheet A4-3 has been added to the set. See link in Item 1.
17. **Question:** It was discussed during the initial prebid walkthrough that Alternate 1 would also include work to the building involving new exterior doors. This is also reflected in the project manual, section 08-1423. However, this cannot be found on the drawing sheets. Please advise what should be included.
  - a. Refer to Sheet A1-7 and A2-1 for doors 101A and 101B at the new patio.
18. **Question:** Sheets C200, A2.1 and A3.1 appear to show metal railings on the new exterior stairs and ramps, but no details or dimensions are given. What should be included here?
  - a. See railing details on revised Sheet A4-1.
19. **Question:** Our understanding was the finished ceiling would be located beneath the existing bar joist to allow room for utilities. There is no information given about how the gypsum ceiling should be supported/framed. Could you please provide a detail of how the ceilings are to be constructed?
  - a. Suspend drywall from bar joists using metal drywall suspension system. See details on Sheet A8-2.
20. **Question:** Do any walls need to extend to the deck above?
  - a. No new walls need to extend to the deck.
21. **Question:** For walls which are shown to be CMU, but include ceramic tile, can you detail how this wall should be constructed? Laminate backer board to the CMU? Furring Strips
  - a. Remove surface contaminants from face of block and install Schluter 3/16 in. KERDI-BOARD using fully embedded method in accordance with manufacturer's instructions.
22. **Question:** Sheet A2-1, Partition type 3 shows standard drywall. However, detail A1-5.2 on sheet A1-5 which reflects a type 3 wall shows impact resistant drywall on the corridor side. Which is correct? Are there any other areas other than the low radius wall that should include impact resistant?
  - a. See Sheet A2-1. Added Partition Type 1C with impact resistant gwb on the corridor side (walls adjacent to radial walls). Added notation for impact resistant gwb on corridor side of Partition Type 3.
23. **Question:** Can the report for what items are known to be asbestos materials be distributed to bidders? While we understand that asbestos will be handled by allowance, we need to know how much is expected to be asbestos to accurately price the remaining non-hazardous demolition and disposal.
  - a. Owner has not fully tested all areas, but believes that all ceilings and pipe fittings concealed in chases contain asbestos. A full report will be available to the contractor prior to the start of construction; however, since some ACM may be concealed in walls additional testing and abatement may be required when demolition operations open concealed areas.



24. **Question:** Panel M circuits 32,34 & 36,38 for the BC controllers show 208V single phase on 15A breakers and #14 wire, however the drawings show them as 208V single phase with two #4's and one #8 wire. Which is correct?
  - a. See revised Electrical drawings at link shown in Item 1 above.
25. **Question:** DOAS Air Handler schedule on sheet M3-1 shows the Air Handlers being 208V 1 Phase with MCA of 4.3A. However the panel schedule on sheet E1-6 shows the air handlers being 208V 3 Phase on 70A breakers. Which is correct?
  - a. See revised Electrical drawings at link shown in Item 1 above.
26. **Question:** The electrical wall heaters are shown on the same circuitry as the fan coil units. WEH-1 pulls 10A and WEH-2 and WEH-3 each pulls 19.2 amps each. Circuitry is shown as #14 wire which is good for 15A. Need direction on how to proceed with circuitry.
  - a. See revised Electrical drawings at link shown in Item 1 above.
27. **Question:** Type C light fixtures listed in the lighting schedule, but none are shown on the drawings.
  - a. See revised Electrical drawings at link shown in Item 1 above.
28. **Question:** Drawings C-100 and C-200 are old drawings; the parking lot and exterior structures are no longer there.
  - a. The parking lot and exterior structures were there a month ago. Not sure what you are referring to.
29. **Question:** No information on where the service conduits originate from. Where do they originate from?
  - a. See revised Electrical drawings at link shown in Item 1 above.
30. **Question:** Discrepancy in the number of service conduits and wire?
  - a. See revised Electrical drawings at link shown in Item 1 above.

END OF ADDENDUM 001





# ROANOKE COLLEGE

## Crawford Hall Renovation

221 College Lane Salem, Virginia

### SHEET LIST

T-1	COVER SHEET	M1-3	ATTIC PLAN - MECHANICAL
C-100	EXISTING CONDITIONS & SITE DEMO PLAN	M2-1	BUILDING SECTION - MECHANICAL
C-200	SITE PLAN	M2-2	MECHANICAL DETAILS
C-300	GENERAL SITE CONSTRUCTION NOTES & SITE DETAILS	M2-3	MECHANICAL DIAGRAMS
		M3-1	MECHANICAL SCHEDULES
		M3-2	MECHANICAL CONTROLS AND SPECS.
AD-1	FIRST FLOOR & BASEMENT PLANS - DEMOLITION	PD-1	BASEMENT AND FIRST FLOOR PLANS - PLUMBING DEMOLITION
AD-2	SECOND/THIRD FLOOR PLANS - DEMOLITION	PD-2	SECOND AND THIRD FLOOR PLANS - PLUMBING DEMOLITION
		PD-3	ATTIC PLAN - PLUMBING DEMOLITION
A1-1	OVERALL FIRST FLOOR PLAN - NEW WORK	P1-1	BASEMENT AND FIRST FLOOR PLANS - SANITARY
A1-2	PARTIAL FIRST FLOOR PLAN - NEW WORK - AREA 1	P1-2	SECOND AND THIRD FLOOR PLANS - SANITARY
A1-3	PARTIAL FIRST FLOOR PLAN - NEW WORK - AREA 2	P1-3	ATTIC PLAN - SANITARY
A1-4	OVERALL SECOND/THIRD FLOOR PLAN - NEW WORK	P2-1	BASEMENT AND FIRST FLOOR PLANS - WATER
A1-5	PARTIAL SECOND/THIRD FLOOR PLAN - NEW WORK - AREA 1	P2-2	SECOND AND THIRD FLOOR PLANS - WATER
A1-6	PARTIAL SECOND/THIRD FLOOR PLAN - NEW WORK - AREA 2	P2-3	ATTIC FLOOR PLAN - WATER
A1-7	ALTERNATE 1 - PLANS AND ELEVATIONS	P3-1	SANITARY WASTE AND VENT DIAGRAM - PLUMBING
A2-1	DOOR SCHEDULE, DETAILS & PARTITION TYPES	P4-1	PLUMBING SCHEDULES AND SPECS.
A3-1	EXTERIOR ELEVATIONS		
A4-1	BUILDING SECTIONS EXTERIOR ADDITIONS	ED-1	BASEMENT AND FIRST FLOOR PLANS - ELECTRICAL DEMOLITION
A4-2	BUILDING SECTIONS INTERIOR	ED-2	SECOND AND THIRD FLOOR PLANS - ELECTRICAL DEMOLITION
A4-3	SECTIONS ALTERNATE 1	ED-3	ATTIC PLAN - ELECTRICAL DEMOLITION
A6-1	ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS	E1-1	BASEMENT AND FIRST FLOOR PLANS - ELECTRICAL LIGHTING
A6-2	ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS	E1-2	BASEMENT AND FIRST FLOOR PLANS - ELECTRICAL POWER
A8-1	OVERALL FIRST FLOOR REF. CLG. PLANS	E1-3	SECOND AND THIRD FLOOR PLANS - ELECTRICAL LIGHTING
A8-2	SECOND/THIRD FLOOR REFLECTED CEILING PLAN	E1-4	SECOND AND THIRD FLOOR PLANS - ELECTRICAL POWER
		E1-5	ATTIC PLAN - ELECTRICAL
ID1-1	INTERIOR FINISHES SPECS	E1-6	ONE LINE DIAGRAM
ID2-1	PARTIAL FIRST FLOOR FINISH PLAN - AREA 1	E1-7	SPECIFICATION
ID2-2	PARTIAL FIRST FLOOR FINISH PLAN - AREA 2		
ID2-3	PARTIAL SECOND FLOOR PLAN - FINISH - AREA 1		
ID2-4	PARTIAL SECOND FLOOR PLAN - FINISH - AREA 2		
ID2-5	PARTIAL THIRD FLOOR PLAN - FINISH - AREA 1		
ID2-6	PARTIAL THIRD FLOOR PLAN - FINISH - AREA 2		
MD-1	BASEMENT AND FIRST FLOOR PLANS - MECHANICAL DEMOLITION		
MD-2	SECOND AND THIRD FLOOR PLANS - MECHANICAL DEMOLITION		
MD-3	ATTIC PLAN - MECHANICAL DEMOLITION		
M1-1	BASEMENT AND FIRST FLOOR PLANS - MECHANICAL		
M1-2	SECOND AND THIRD FLOOR PLANS - MECHANICAL		

DATE: Dec.18, 2024

Revisions		
No.	Date	Description
01-21-25		ADDENDUM 001

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DRAWN BY: EHS  
 CHECKED BY: Checker

COVER SHEET

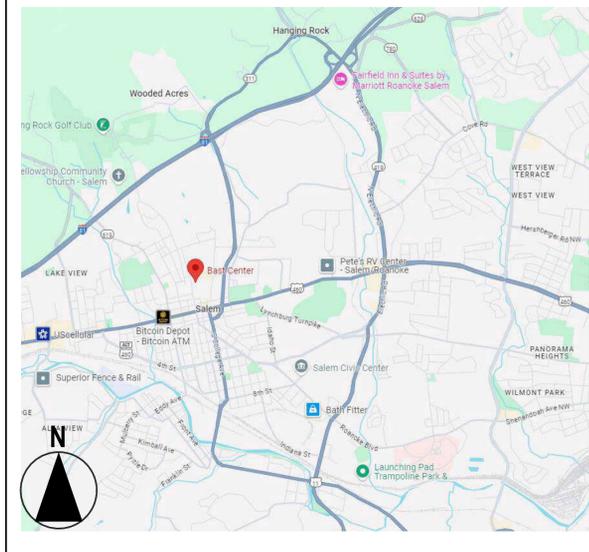
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 24028  
 SHEET  
 T-1

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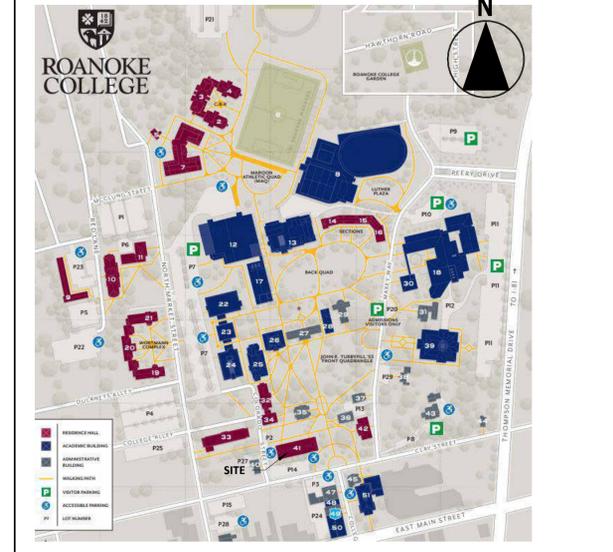
### VICINITY MAP

NOT TO SCALE



### CAMPUS MAP

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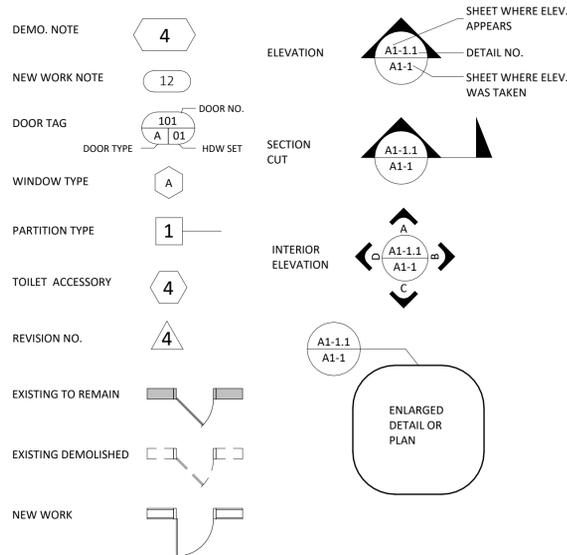
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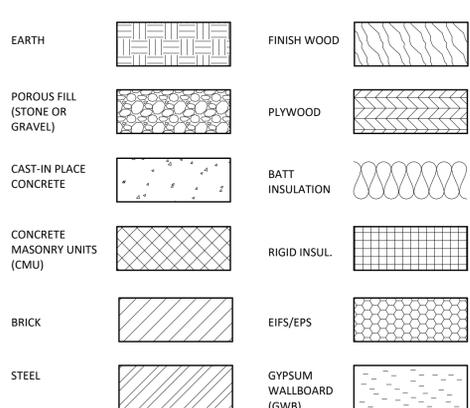
# LIST OF ABBREVIATIONS

<b>A</b>		<b>EJ</b>	EXPANSION JOINT	<b>L</b>	ANGLESHAPE	<b>RD</b>	ROOF DRAIN
<b>@</b>	AT	<b>ELEV</b>	ELEVATION	<b>L</b>	LAMINATE	<b>REINF</b>	REINFORCED, REINFORCEMENT
<b>ABV</b>	ABOVE	<b>EPS</b>	EXTRUDED POLYSTYRENE	<b>LAM</b>	LAMINATE	<b>REF</b>	REFER, REFERENCE
<b>A/C</b>	AIR CONDITIONING	<b>EQ</b>	EQUAL	<b>LAV</b>	LAVATORY	<b>REP</b>	REPRESENTATIVE
<b>ACT</b>	ACOUSTICAL CEILING TILE	<b>EQUIP</b>	EQUIPMENT	<b>LB</b>	POUND	<b>REQD, REQ</b>	REQUIRED
<b>ADJ.</b>	ADJUSTABLE	<b>ETC</b>	ET CETERA	<b>LF</b>	LINEAR FOOT	<b>RO</b>	ROUGH OPENING
<b>ADMIN</b>	ADMINISTRATIVE	<b>EW</b>	EACH WAY	<b>LIB</b>	LIBRARY	<b>RM</b>	ROOM
<b>AFC</b>	ABOVE FINISHED CEILING	<b>EWC</b>	ELECTRIC WATER COOLER	<b>LLH</b>	LONG LEG HORIZONTAL		
<b>AFF</b>	ABOVE FINISHED FLOOR	<b>EXH</b>	EXHAUST	<b>LLV</b>	LONG LEG VERTICAL		
<b>AHU</b>	AIR HANDING UNIT	<b>EXIST, EXG</b>	EXISTING	<b>LVR</b>	LOUVER		
<b>ALUM</b>	ALUMINUM	<b>EXP</b>	EXPANSION			<b>S</b>	
<b>ALT</b>	ALTERNATE	<b>EXPD</b>	EXPOSED	<b>M</b>		<b>SB</b>	SPLASH BLOCK
<b>∠</b>	ANGLE	<b>EXT</b>	EXTERIOR	<b>MAS</b>	MASONRY	<b>SC</b>	SOLID CORE
<b>ANOD</b>	ANODIZED			<b>MAINT</b>	MAINTENANCE	<b>SCHED</b>	SCHEDULE
<b>APPROX</b>	APPROXIMATELY	<b>F</b>		<b>MAX</b>	MAXIMUM	<b>SD</b>	SMOKE DEECTOR
<b>ARCH</b>	ARCHITECTURAL	<b>F</b>	FAHRENHEIT	<b>MC</b>	MEDICINE CABINET	<b>SEC</b>	SECONDARY
<b>ASSY</b>	ASSEMBLY	<b>FA</b>	FIRE ALARM	<b>MECH</b>	MECHANICAL	<b>SF</b>	SQUARE FEET
<b>AUX</b>	AUXILIARY	<b>FD</b>	FLOOR DRAIN	<b>MFR</b>	MANUFACTURER	<b>SGL</b>	SINGLE
<b>AWI</b>	ARCHITECTURAL WOODWORK	<b>FE</b>	FIRE EXTINGUISHER	<b>MGR</b>	MANAGER	<b>SHT</b>	SHEET
<b>REGEN</b>	ARCHITECTURAL WOODWORK INSTITUTE	<b>FEC</b>	FIRE EXTINGUISHER CABINET	<b>MH</b>	MANHOLE	<b>SHR</b>	SHOWER
		<b>FF</b>	FINISH FLOOR	<b>MID</b>	MIDDLE	<b>SIM</b>	SIMILAR
		<b>FGLASS</b>	FIBERGLASS	<b>MIN</b>	MINIMUM	<b>SNT</b>	SEALANT
<b>B</b>		<b>FIN</b>	FINISH	<b>MISC</b>	MISCELLANEOUS	<b>SPA</b>	SPACES
<b>BD</b>	BOARD	<b>FLASH</b>	FLASHING	<b>MO</b>	MASONRY OPENING	<b>SQ</b>	SQUARE
<b>BLDG</b>	BUILDING	<b>FLR</b>	FLOOR	<b>MPH</b>	MILES PER HOUR	<b>SS,S/S</b>	STAINLESS STEEL
<b>BLK</b>	BLOCK	<b>FOC</b>	FACE OF CONCRETE	<b>MTL,MET</b>	METAL	<b>STD</b>	STANDARD
<b>BLKG</b>	BLOCKING	<b>FOM</b>	FACE OF MASONRY	<b>MULL</b>	MULLION	<b>STL</b>	STEEL
<b>BM</b>	BEAM	<b>FOLD PART</b>	FOLDING PARTITION			<b>STOR</b>	STORAGE
<b>BOS</b>	BOTTOM OF STEEL	<b>FRP</b>	FIBER REINFORCED PLASTIC	<b>N</b>		<b>STRUCT</b>	STRUCTURE, STRUCTURAL
<b>BTM</b>	BOTTOM	<b>FRT</b>	FIRE-RETARDANT TREATED	<b>NA</b>	NOT APPLICABLE	<b>SUS</b>	SUSPENDED
<b>BRZ</b>	BRONZE	<b>FT</b>	FEET	<b>NEG</b>	NEGATIVE	<b>T</b>	
<b>BTU</b>	BRITISH THERMAL UNIT	<b>FUR</b>	FURRING	<b>NIC</b>	NOT IN CONTRACT	<b>TEL</b>	TELEPHONE
<b>BUR</b>	BUILT-UP ROOF	<b>FV</b>	FIELD VERIFY	<b>NO,#</b>	NUMBER	<b>T</b>	TOP
				<b>NTS</b>	NOT TO SCALE	<b>TECH</b>	TECHNICAL
<b>C</b>						<b>TEMP</b>	TEMPERATURE
<b>C</b>	CENTIGRADE	<b>G</b>		<b>O</b>		<b>TLT</b>	TOILET
<b>CAB</b>	CABINET	<b>GA</b>	GAUGE	<b>OC</b>	ON CENTER	<b>TOC</b>	TOP OF CURB
<b>CI</b>	CAST IRON	<b>GALV</b>	GALVANIZED	<b>OCC</b>	OCCUPANCY	<b>TOM</b>	TOP OF MASONRY
<b>CJ</b>	CONTROL JOINT	<b>GC</b>	GENERAL CONTRACTOR	<b>OD</b>	OUTSIDE DIAMETER/DIMENSION	<b>TOS</b>	TOP OF STEEL
<b>CL</b>	CENTER LINE	<b>GD</b>	GRADE	<b>OFF</b>	OFFICE	<b>TYP</b>	TYPICAL
<b>CLG</b>	CEILING	<b>GEN</b>	GENERAL	<b>OH</b>	OVERHEAD		
<b>CLO</b>	CLOSET	<b>GL</b>	GLASS	<b>OPH</b>	OPPOSITE HAND	<b>U</b>	
<b>CLR</b>	CLEAR	<b>GFMU</b>	GROUND FACE MASONRY UNITS	<b>OPNG</b>	OPENING	<b>UON</b>	UNLESS OTHERWISE NOTED
<b>CMU</b>	CONCRETE MASONRY UNIT	<b>GND, GRND</b>	GROUND	<b>OPP</b>	OPPOSITE	<b>UTIL</b>	UTILITY
<b>COL</b>	COLUMN	<b>GWB</b>	GYPSUM WALLBOARD				
<b>CONC</b>	CONCRETE	<b>GYP</b>	GYPSUM	<b>P</b>		<b>V</b>	VOLTS
<b>CONST</b>	CONSTRUCTION			<b>PA</b>	PUBLIC ADDRESS	<b>VERT</b>	VERTICAL
<b>CONT</b>	CONTINUOUS	<b>H</b>		<b>PAR</b>	PARALLEL	<b>VCT</b>	VINYL COMPOSITION TILE
<b>CORR</b>	CORRIDOR	<b>HB</b>	HOSE BIBB	<b>PERP</b>	PERPENDICULAR	<b>VEND</b>	VENDING
<b>CRS</b>	COURSE	<b>HC</b>	HANDICAPPED, HOLLOW CORE	<b>PL</b>	PLATE	<b>VEST</b>	VESTIBULE
<b>CT</b>	CERAMIC TILE	<b>HD</b>	HEAD, HEAVY DUTY	<b>PLAM</b>	PLASTIC LAMINATE	<b>VIF</b>	VERIFY IN FIELD
<b>CU</b>	CUBIC	<b>HDW</b>	HARDWARE	<b>PLYWD</b>	PLYWOOD	<b>VTR</b>	VENT THROUGH ROOF
<b>CUST</b>	CUSTODIAN	<b>HM</b>	HOLLOW METAL	<b>PNL</b>	PANEL	<b>VUSBC</b>	VIRGINIA UNIFORM STATEWIDE BUILDING CODE
		<b>HORIZ,H</b>	HORIZONTAL	<b>POS</b>	POSITIVE	<b>VWC</b>	VINYL WALL COVERING
<b>D</b>		<b>HR,HRS</b>	HOUR, HOURS	<b>PR</b>	PAIR		
<b>DBL</b>	DOUBLE	<b>HT,HGT</b>	HEIGHT	<b>PREFAB</b>	PREFABRICATED	<b>W</b>	
<b>DTL</b>	DETAIL	<b>HWD</b>	HARD WOOD	<b>PREFIN,PF</b>	PREFINISHED	<b>W</b>	WATTS
<b>DIA, Ø</b>	DIAMETER			<b>PNT</b>	PAINT, PAINTED	<b>W/</b>	WITH
<b>DIM</b>	DIMENSION	<b>I</b>		<b>PT</b>	PRESSURE TREATED	<b>WC</b>	WATER CLOSET
<b>DISP</b>	DISPENSER	<b>ID</b>	INSIDE DIAMETER, DIMENSION	<b>PTD</b>	PAPER TOWEL DISPENSER	<b>WD</b>	WOOD
<b>DIV</b>	DIVISION	<b>IG</b>	INSULATING GLASS	<b>PTN</b>	PARTITION	<b>WH</b>	WATER HEATER
<b>DN</b>	DOWN	<b>IN</b>	INCH, INCHES	<b>PVC</b>	POLYVINYL	<b>WIDW</b>	WINDOW WITHOUT
<b>DR</b>	DOOR	<b>INC</b>	INCANDESCENT	<b>PVMT</b>	PAVEMENT	<b>WP</b>	WEATHERPROOF
<b>DS</b>	DOWNSPOUT	<b>INCL</b>	INCLUDING			<b>WSTRIP</b>	WEATHER-STRIP
<b>DWG</b>	DRAWING	<b>INSUL</b>	INSULATION	<b>Q</b>		<b>WT</b>	WEIGHT
<b>DWR</b>	DRAWER	<b>INT</b>	INTERIOR	<b>QA</b>	QUALITY ASSURANCE	<b>WWF</b>	WELOED-WIRE FABRIC
		<b>JAN</b>	JANITOR	<b>QT</b>	QUARRY TILE		
<b>E</b>		<b>JT</b>	JOINT	<b>R</b>			
<b>ELEC</b>	ELECTRICAL			<b>R</b>	RADIUS		
<b>EA</b>	EACH			<b>RCP</b>	REINFORCED CONCRETE PIPE		
<b>EIFS</b>	EXTERIOR INSULATED FINISH SYSTEM						

# DRAWING SYMBOLS



# MATERIAL SYMBOLS



# CODE COMPLIANCE

**GENERAL BUILDING INFORMATION**

BUILDING ADDRESS: 301 Campus Lane  
 JURISDICTION: City of Salem, Virginia  
 TAX PARCEL ID: 86-3-4  
 ZONING: CUD - College/University District

**APPLICABLE CODES**

2021 VIRGINIA EXISTING BUILDING CODE (VEBC)  
 2021 VIRGINIA CONSTRUCTION CODE (VCC), Applicable Sections  
 2021 VIRGINIA ENERGY CONSERVATION CODE (VECC), Applicable Sections  
 2019 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

**TYPE OF WORK**  
 INTERIOR ALTERATIONS (LEVEL 2) and EXTERIOR IMPROVEMENTS

**PROJECT SUMMARY**  
**Interior Alterations:** Replace and re-configure toilet and shower rooms on three floors of an existing dormitory to improve privacy and accessibility. Install mini split-component HVAC units in sleeping rooms and re-configure mechanical rooms. Replace finishes in common areas.

**Exterior Alterations:** Remove and replace the existing entry porch on the northeast end of the building with larger structure, including a new accessible ramp. (Entrance is not currently accessible.)

Construct masonry screen walls at the new outdoor mechanical units on the west end of the building. Remove and replace portions of sidewalk affected by new construction. See Civil.

**Alternate:** Construction of a new brick and masonry patio on the east end of building with related sitework. Access to new construction will be provided by extension of the ramp that is part of the Base Bid. New doors and accessible entrance provided in East Study Lounge.

Renovation of the existing service elevator for passenger use and replacement of windows will occur during the project under a separate contract.

**CHAPTER 3 - GENERAL PROVISIONS AND SPECIAL DETAILED REQUIREMENTS**  
 301.2 Primary Use Group:  
 R-2 - Residential/Non-transient (Dormitory) - Existing, no change.  
*Number of sleeping rooms reduced by 2.*

**CHAPTER 4 - ACCESSIBILITY**  
 402.1 Change of Occupancy - Not applicable. No additional accessibility features required in existing areas.

403.1 Exterior additions (patio and porch) and interior alterations will meet accessibility requirements for new construction (Chapter 11 of VCC and ANSI A117.1).

403.2 Accessible dwelling units and sleeping units - Not applicable, no sleeping units being added.

404.1 Alterations are not reducing accessibility of the building.

404.2 Exception 2 - Accessible means of egress required by Chapter 10 of the VCC are not required to be provided in existing facilities.

404.3 Sleeping rooms not required to be made accessible as alterations in these areas are limited to window replacements, and mechanical systems (Exceptions 2 and 3).

**EXISTING BUILDING INFORMATION - VCC**

**CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS**  
**Building Height and Area Calculations**  
**Use Group R-2, Non-sprinklered (Attic is equipped with and existing limited area sprinkler system)**

Table 504.3 Allowable Height = 55'-0"	Actual Height (Max.) = 36'-0"
Table 504.4 Allowable Stories = 4	Actual Stories = 3
Table 506.2 Allowable Area NS:	16,000 x 3 = 48,000
Actual Area:	9,500 x 3 = <b>28,500</b>

**CHAPTER 6 - TYPES OF CONSTRUCTION**  
**602 Construction Classification:**  
 3B Combustible/Non-Combustible, Unprotected  
*(Existing building is steel framed with concrete covering over columns and beams; 12" solid masonry exterior bearing walls. Roof framing is 2x wood construction with non-combustible slate roof over 5/4 decking.)*

Fire Resistance Rating in Hours - Table 601	Required	Provided
Primary Structural Frame	0	0
Bearing Walls		
Exterior	2	2
Interior	0	0
Nonbearing walls and partitions		
Exterior - Table 602 (≥30)	0	0
Interior	0	0
Floor Construction & Associated Members	0	0
Roof Construction & Associated Members	0	0

**CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES**  
**Table 705.8 - Max. Area of Exterior Wall Openings based on Fire Separation Distance**  
 FSD = >30 (UP, S)      A<sub>0</sub> = Unlimited

**CHAPTER 8 - INTERIOR FINISHES**  
**(T803.11) Wall & Ceiling Finishes**

	Required	Provided
Corridors	B	B
Rooms & Enclosed Spaces	C	C

**804 Interior Floor Finishes**  
 Traditional Non-Fabric: No Requirements  
 Floor Covering - All Other  
*Minimum critical radiant flux not less than Class II.*

**CHAPTER 9 - FIRE PROTECTION SYSTEMS**

**903 Automatic Sprinkler Systems**  
*Not required per VEBC 1101.12 <75' in height and <6 stories*

	Required	Provided
No <sup>1</sup>	No	No

**906 Portable Fire Extinguishers**  
 Table 906.3(1)

	Required	Provided
No	No	Yes

**907 Fire Alarm and Detection Systems**

	Required	Provided
907.2 Fire Alarm System	No	Yes
907.2 Manual Fire Alarm Fire Box	No	Yes
907.2.13.1.1 Area Smoke Detection	Yes	Yes
907.2.13.1.2 Duct Smoke Detection	Yes	Yes

**CHAPTER 6 - ALTERATIONS**

601.2.2 Alterations are classified as Level 2

601.4.1 No opaque walls part of thermal envelope will be exposed.

601.4.2 No framed floor cavities part of the thermal envelope will be exposed.

601.4.3 Existing rafter cavity over the area of alteration - spray foam insulation applied to achieve R-49 per Table C402.1.3 of VECC

601.4.6.1 Commercial lighting complies with Section C405 of VECC.

601.4.8.1 Commercial HVAC equipment sized in accordance with C403.1.1 of VECC.

603.3 Alterations comply with requirements of VCC.  
 Exception 4: Minimum ceiling height of new spaces shall be 7'-0".

603.7 No new structural elements in alterations.

**CHAPTER 8 - ADDITIONS**  
 803.1 Addition (new patio and porch) comply with 2021 VCC

**CHAPTER 29 - PLUMBING SYSTEMS**  
**Table 2902.1 - Min. Number of Required Plumbing Fixtures - Dormitories**  
*Occupancy based on VCC Table 1004.5*  
 R-2 = 9,500 sf/200 gross = 48 occupants per floor

	Required (per fr.)	Provided (per floor)
Water Closets:	1 per 10	5
Lavatories:	1 per 10	1
Showers:	1 per 8	6
Drinking Fountains:		0
Service Sinks:		1

	Required	Provided
403.2 Separate Facilities	No (Exception 6)	No
403.3 Public Toilet Facilities	No	No
403.4 Signage	No	No

405.3.4.2 Multi-user gender neutral facilities - Complies with partition and clearance requirements.

Revisions

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 ABBR. AND  
 REFERENCE  
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**FIRST FLOOR & BASEMENT PLANS - DEMOLITION**

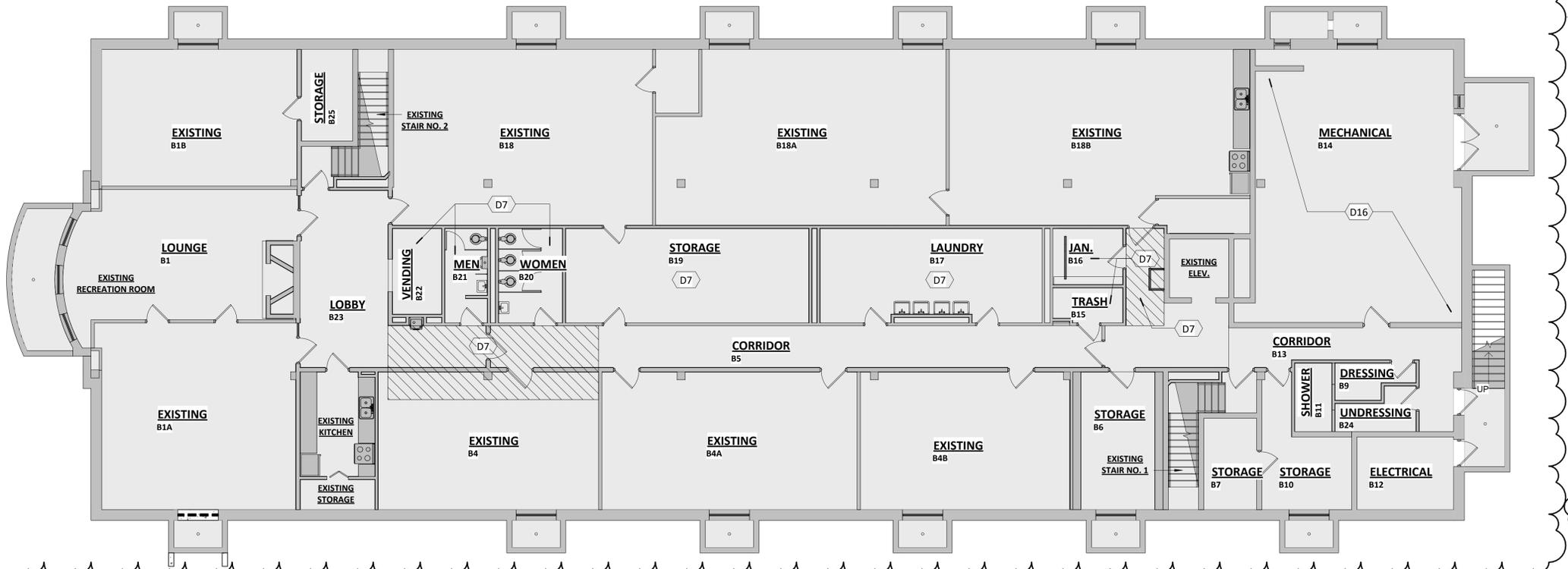
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**OVERALL FIRST FLOOR PLAN - DEMOLITION**

1/8" = 1'-0"



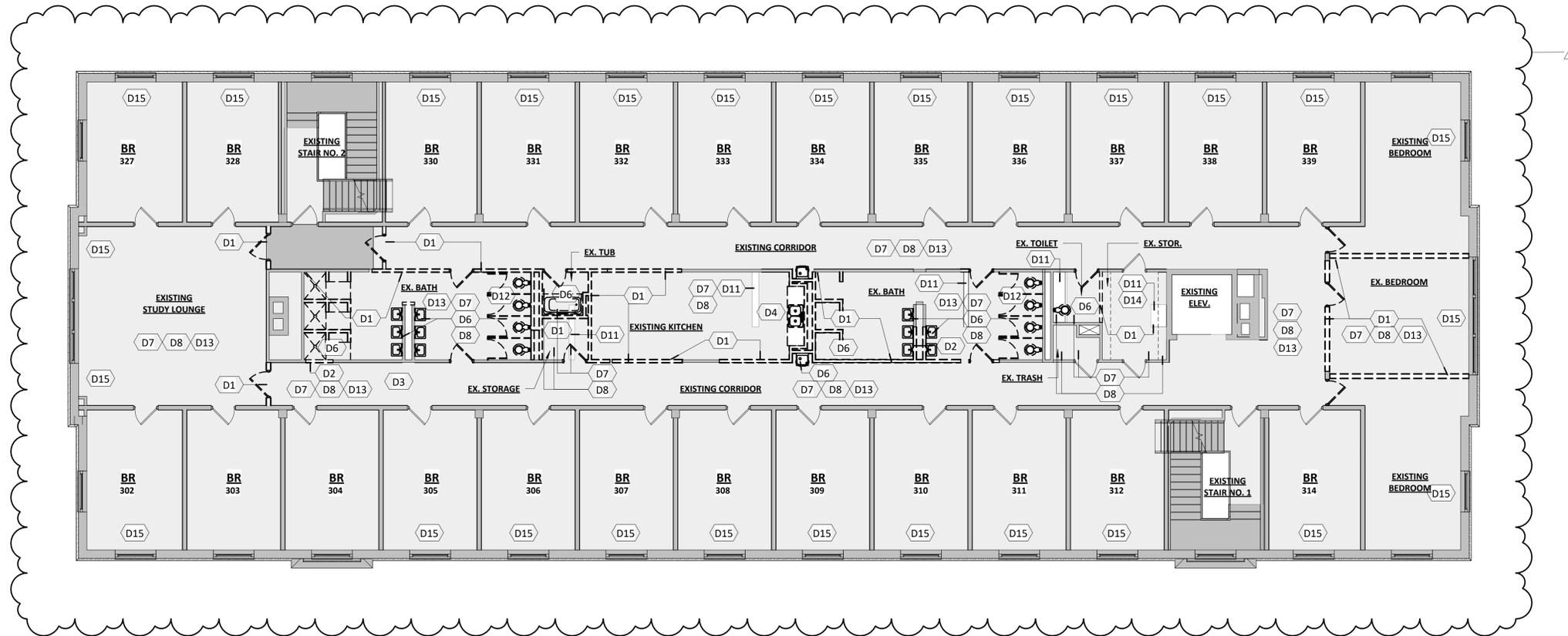
**OVERALL BASEMENT FLOOR PLAN - DEMOLITION**

1/8" = 1'-0"

**DEMOLITION NOTES**

- D1 REMOVE WALL. PATCH FLOOR AND PREPARE FOR NEW CONSTRUCTION.
- D2 REMOVE PORTION OF WALL OR CUT NEW OPENING IN EXISTING WALL. PREPARE FOR NEW CONSTRUCTION.
- D3 REMOVE DOOR AND FILL IN OPENING WITH CONSTRUCTION TO MATCH ADJACENT.
- D4 REMOVE CASEWORK. PATCH AND REPAIR WALLS FOR NEW CONSTRUCTION.
- D5 REMOVE WINDOW, TRIM AND PORTION OF WALL BELOW. PREPARE OPENING FOR NEW DOOR UNIT (ALTERNATE 1 ONLY).
- D6 REMOVE PLUMBING FIXTURE, SUPPLY AND DRAIN. CAP PIPES THAT ARE NOT BEING REUSED. PREPARE FOR NEW INSTALLATION - SEE MECH.
- D7 REMOVE CEILING, INC. METAL SUPPORT, ELECTRICAL AND DUCTWORK. CAP CONDUITS THAT ARE NOT BEING REUSED. SEE MEP.
- D8 REMOVE FLOOR COVERING AND PREPARE SURFACE FOR NEW INSTALLATION - SEE INTERIORS.
- D9 REMOVE EXISTING PORCH, INCLUDING WALLS TO BELOW GRADE.
- D10 REMOVE EXISTING WINDOW AND FILL IN OPENING WITH CMU (ALTERNATE 1 ONLY).
- D11 CUT FLOOR IN THIS AREA FOR NEW PLUMBING OR MECHANICAL CHASE. SEE MEP.
- D12 REMOVE TOILET PARTITIONS. PATCH AND PREPARE FOR NEW CONSTRUCTION.
- D13 REMOVE WALL BASE AND PREPARE FOR NEW INSTALLATION.
- D14 REMOVE RODS AND SHELVES.
- D15 REMOVE REMOVE CONVECTOR, PATCH AND REPAINT WALL TO MATCH EXISTING.
- D16 MECHANICAL CONTRACTOR TO CAP PLUMBING LINES. CONTRACTOR TO REMOVE EQUIPMENT. SEE MECHANICAL PLANS

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### OVERALL SECOND/ THIRD FLOOR PLAN - DEMOLITION

1/8" = 1'-0"

THIRD FLOOR SHOWN - SECOND FLOOR SIMILAR

### DEMOLITION NOTES

- D1 REMOVE WALL. PATCH FLOOR AND PREPARE FOR NEW CONSTRUCTION.
- D2 REMOVE PORTION OF WALL OR CUT NEW OPENING IN EXISTING WALL. PREPARE FOR NEW CONSTRUCTION.
- D3 REMOVE DOOR AND FILL IN OPENING WITH CONSTRUCTION TO MATCH ADJACENT.
- D4 REMOVE CASEWORK. PATCH AND REPAIR WALLS FOR NEW CONSTRUCTION.
- D5 REMOVE WINDOW, TRIM AND PORTION OF WALL BELOW. PREPARE OPENING FOR NEW DOOR UNIT (ALTERNATE 1 ONLY).
- D6 REMOVE PLUMBING FIXTURE, SUPPLY AND DRAIN. CAP PIPES THAT ARE NOT BEING REUSED. PREPARE FOR NEW INSTALLATION - SEE MECH.
- D7 REMOVE CEILING, INC. METAL SUPPORT, ELECTRICAL AND DUCTWORK. CAP CONDUITS THAT ARE NOT BEING REUSED. SEE MEP.
- D8 REMOVE FLOOR COVERING AND PREPARE SURFACE FOR NEW INSTALLATION - SEE INTERIORS.
- D9 REMOVE EXISTING PORCH, INCLUDING WALLS TO BELOW GRADE.
- D10 REMOVE EXISTING WINDOW AND FILL IN OPENING WITH CMU (ALTERNATE 1 ONLY).
- D11 CUT FLOOR IN THIS AREA FOR NEW PLUMBING OR MECHANICAL CHASE. SEE MEP.
- D12 REMOVE TOILET PARTITIONS. PATCH AND PREPARE FOR NEW CONSTRUCTION.
- D13 REMOVE WALL BASE AND PREPARE FOR NEW INSTALLATION.
- D14 REMOVE ROADS AND SHELVES.
- D15 REMOVE REMOVE CONVECTOR, PATCH AND REPAINT WALL TO MATCH EXISTING.
- D16 MECHANICAL CONTRACTOR TO CAP PLUMBING LINES. CONTRACTOR TO REMOVE EQUIPMENT. SEE MECHANICAL PLANS

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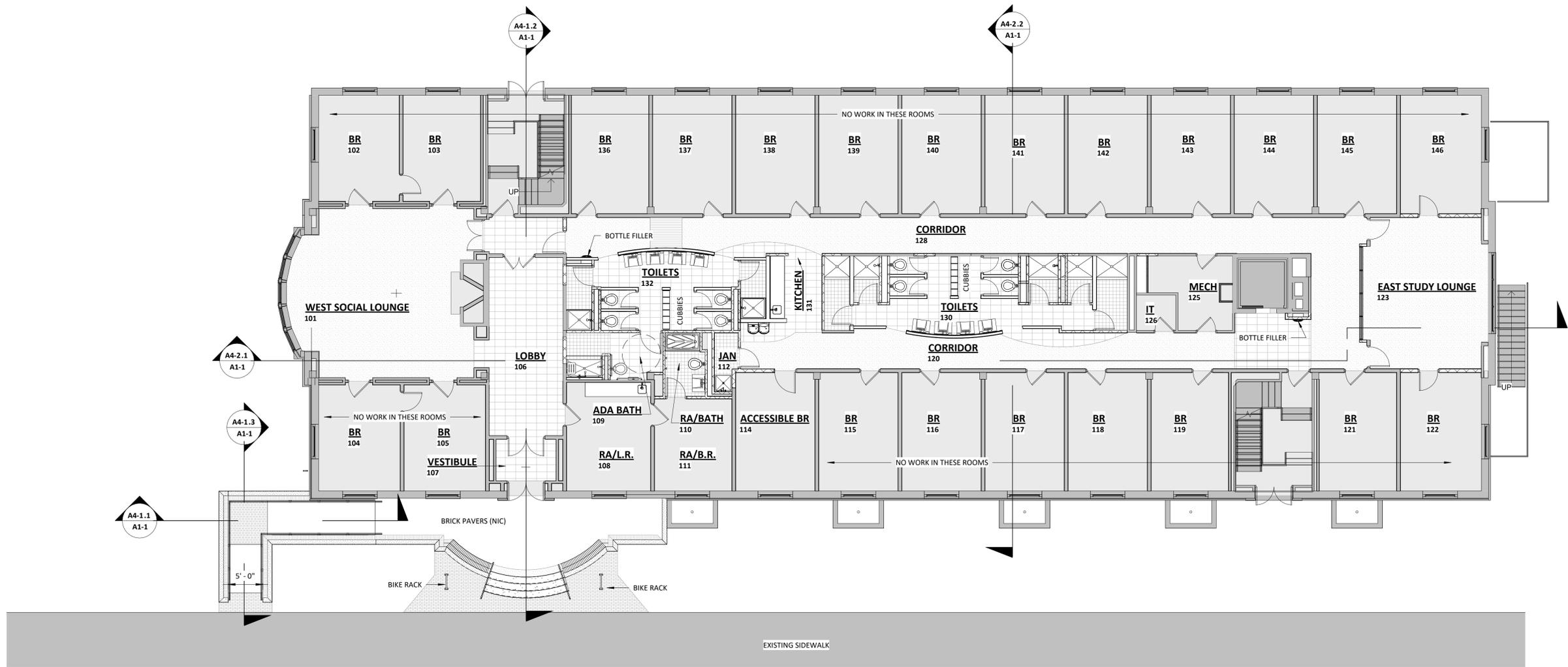


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**SECOND/  
 THIRD  
 FLOOR  
 PLANS -  
 DEMOLITION**

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**OVERALL FIRST FLOOR PLAN - NEW WORK**  
 1/8" = 1'-0"

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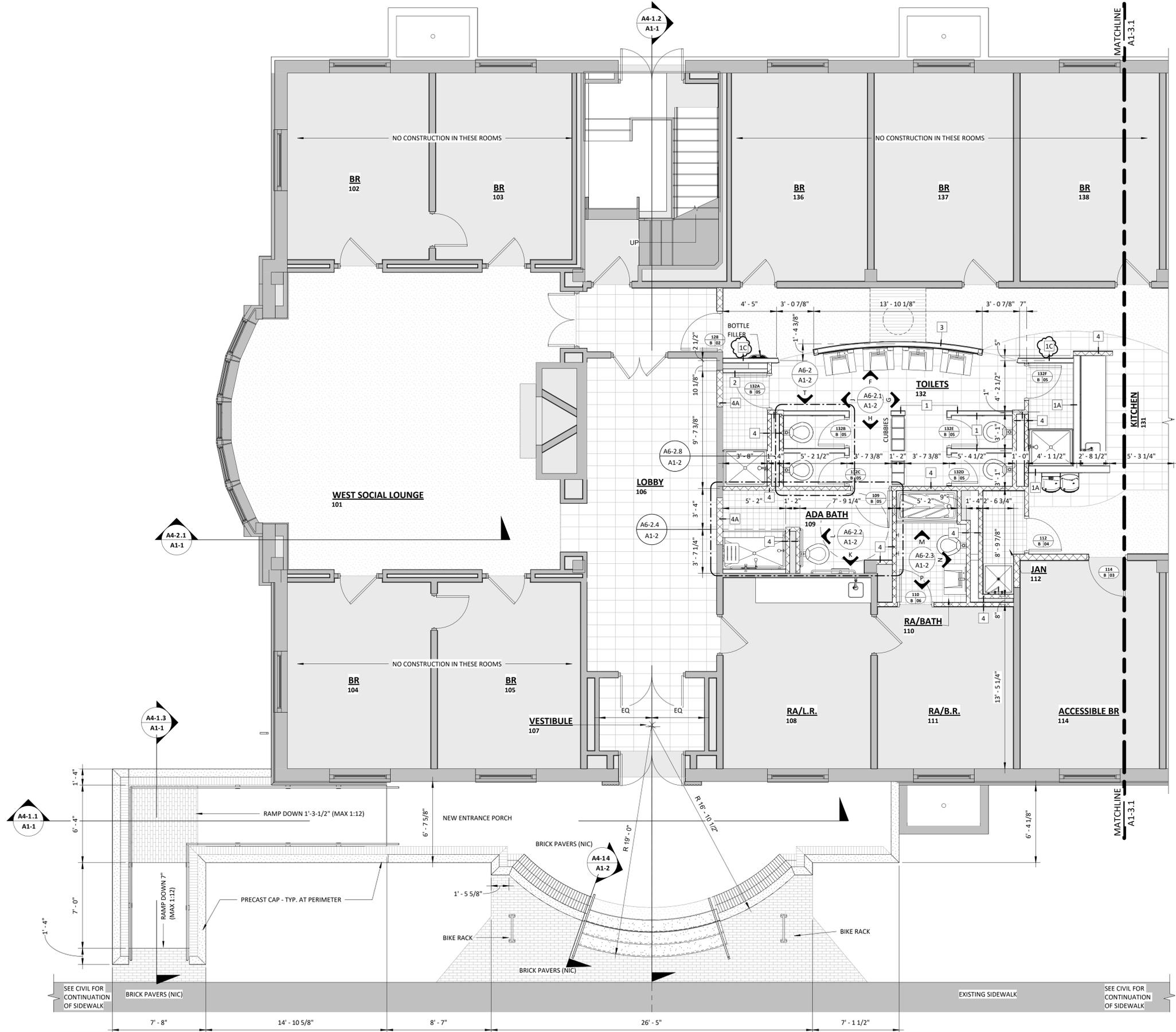


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**PARTIAL FIRST FLOOR PLAN - NEW WORK - AREA 1**

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**A1-2.1 PARTIAL FIRST FLOOR PLAN - NEW WORK - AREA 1**  
 A1-7 1/4" = 1'-0"

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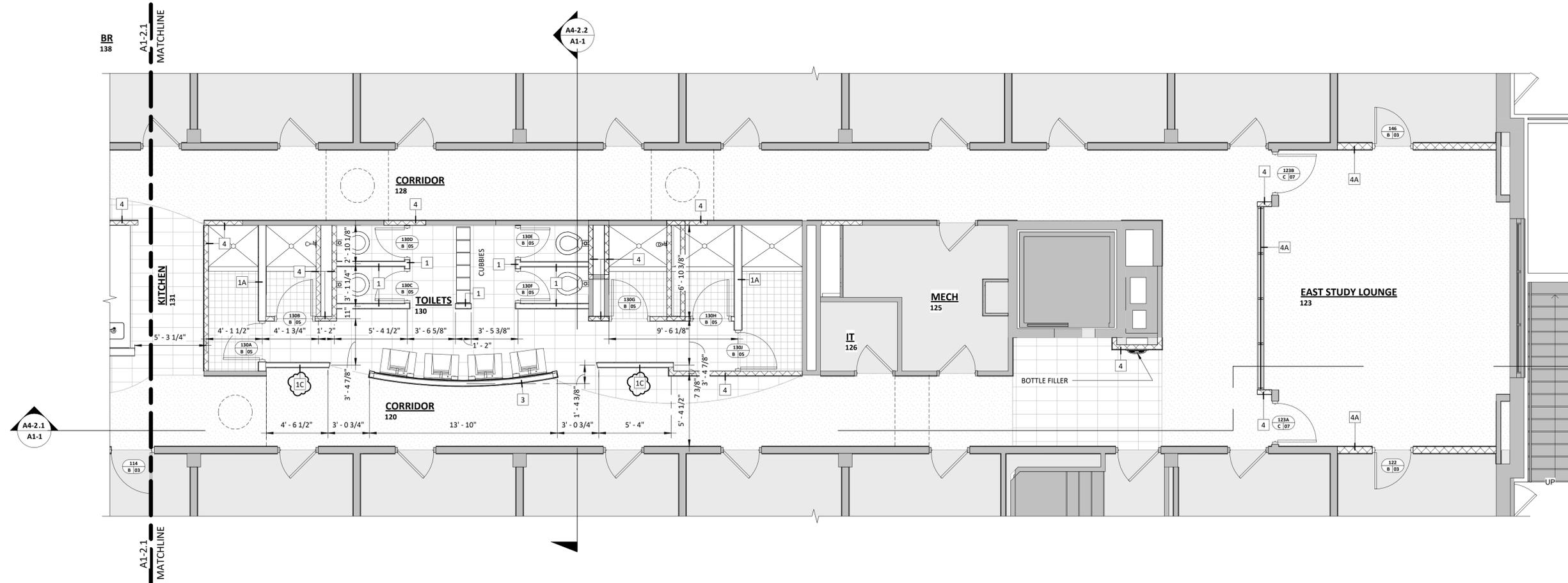


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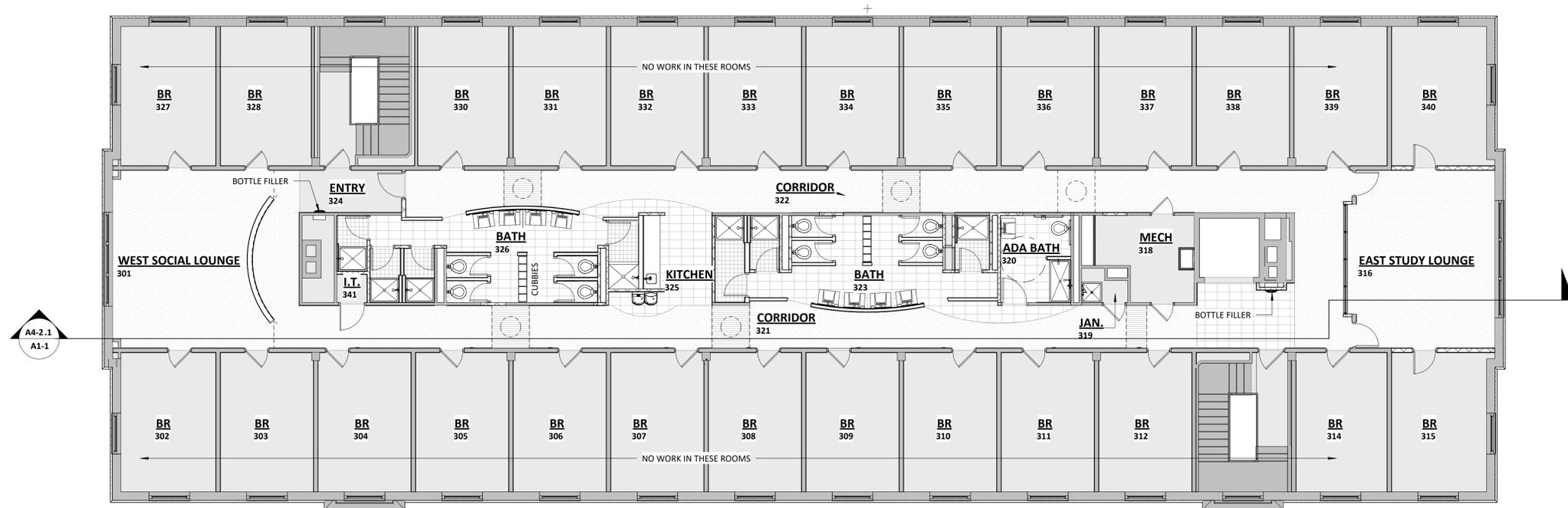
**PARTIAL FIRST FLOOR PLAN - NEW WORK - AREA 2**

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 A1-3



**A1-3.1 PARTIAL FIRST FLOOR PLAN - NEW WORK - AREA 2**  
 A1-7 1/4" = 1'-0"



**OVERALL SECOND/ THIRD FLOOR PLAN - NEW WORK**  
 1/8" = 1'-0"

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**OVERALL SECOND/ THIRD FLOOR PLAN - NEW WORK**

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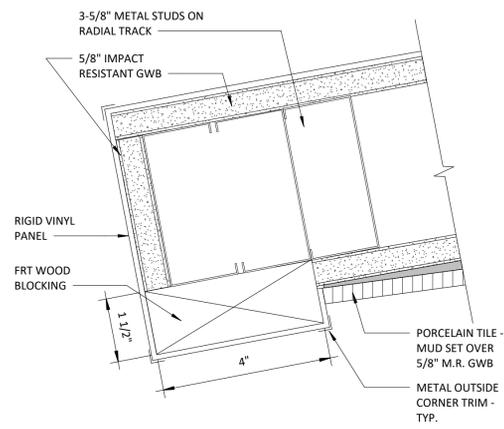


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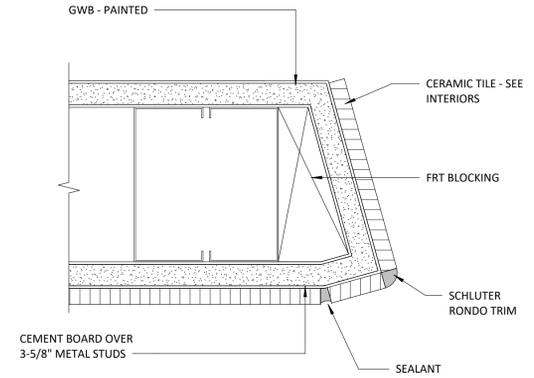
PARTIAL SECOND/  
 THIRD FLOOR PLAN  
 - NEW WORK  
 - AREA 1

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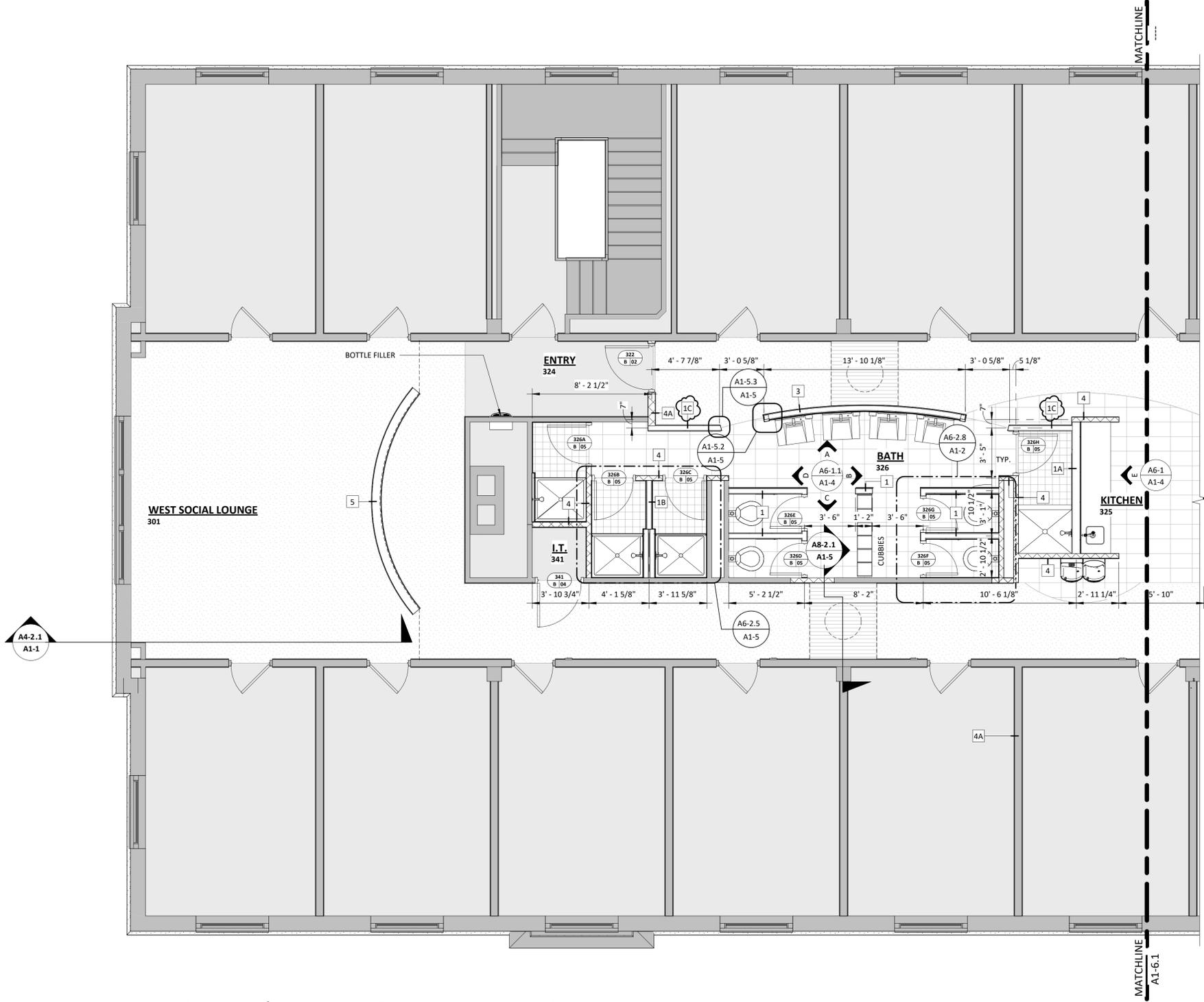
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**A1-5**  
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**A1-5.2** PLAN DETAIL - RADIUS WALL END  
**A1-5** 6" = 1'-0"



**A1-5.3** PLAN DETAIL - TILE TERM.  
**A1-5** 6" = 1'-0"



**A1-5.1** PARTIAL SECOND/ THIRD FLOOR PLAN - NEW WORK - AREA 1  
**A3-1** 1/4" = 1'-0"

MATCHLINE A1-6.1

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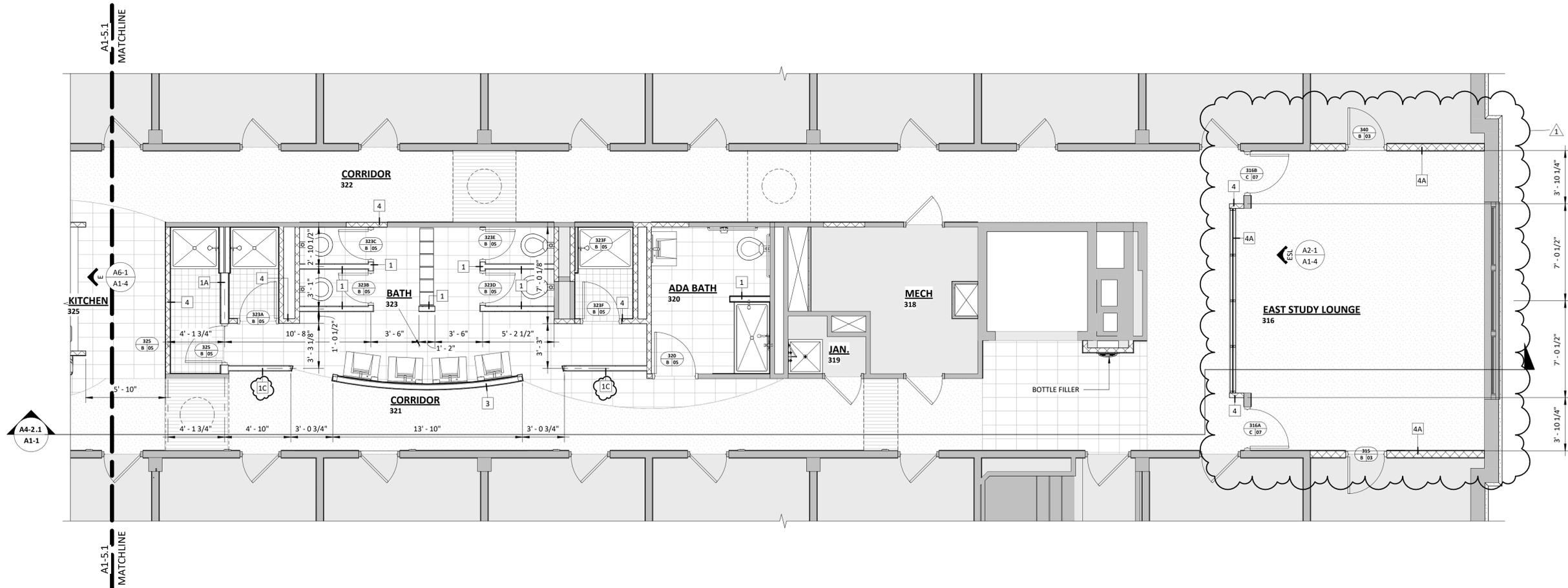


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**PARTIAL SECOND/ THIRD FLOOR PLAN - NEW WORK - AREA 2**

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 A1-6



**A1-6.1 PARTIAL SECOND/ THIRD FLOOR PLAN - NEW WORK - AREA 2**  
 A3-1 1/4" = 1'-0"

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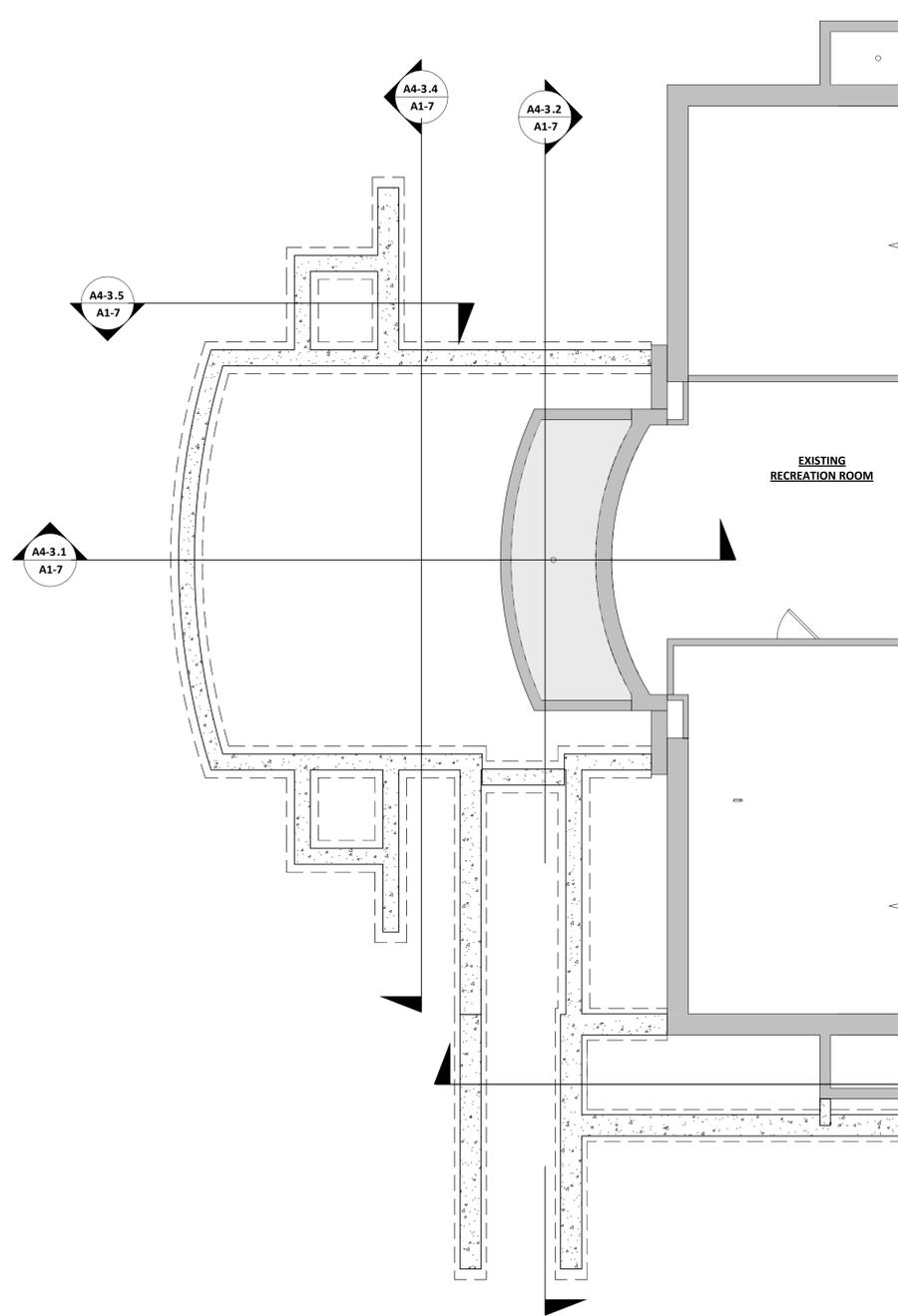


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ALTERNATE 1 - PLANS AND ELEVATIONS

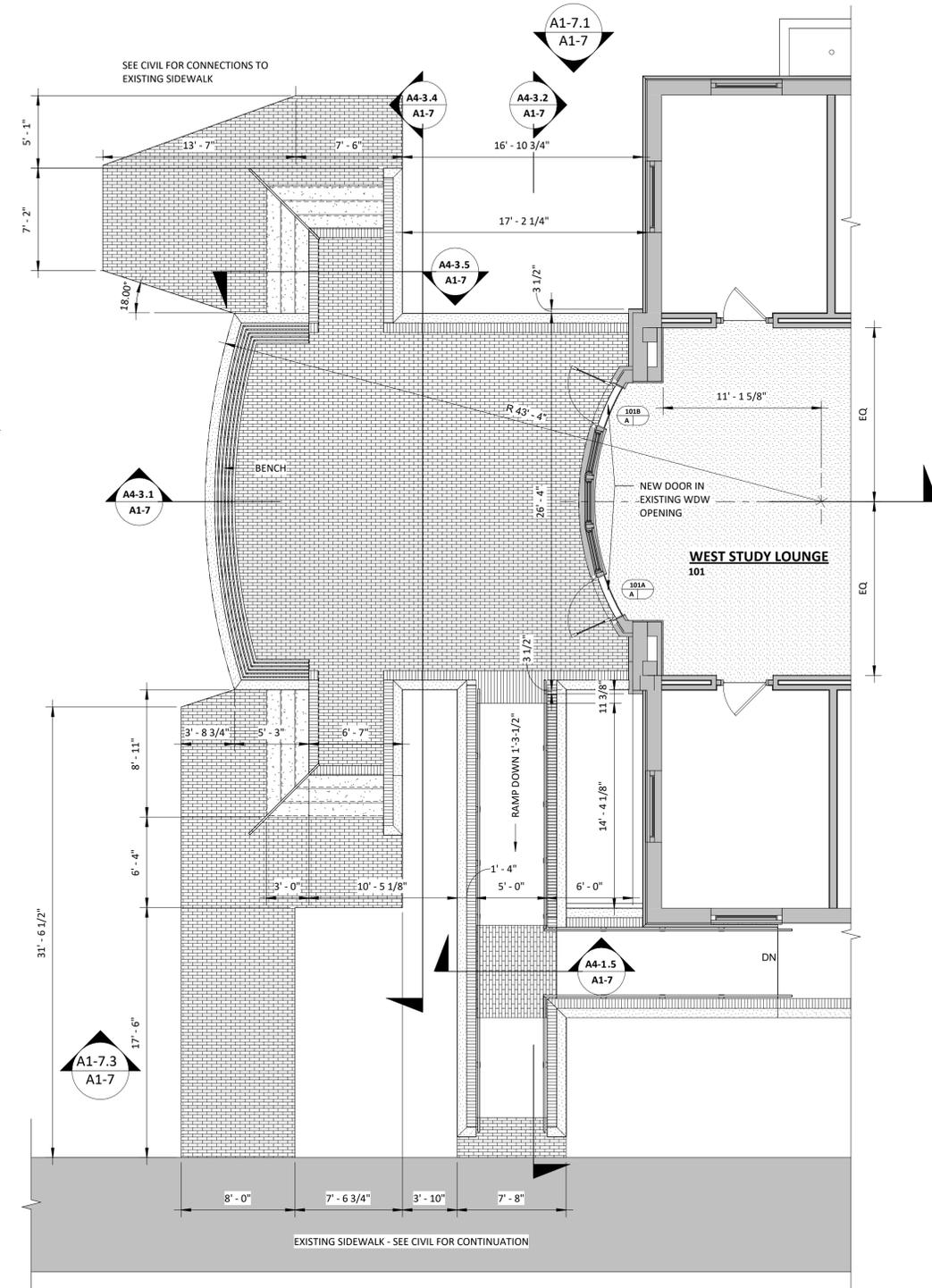
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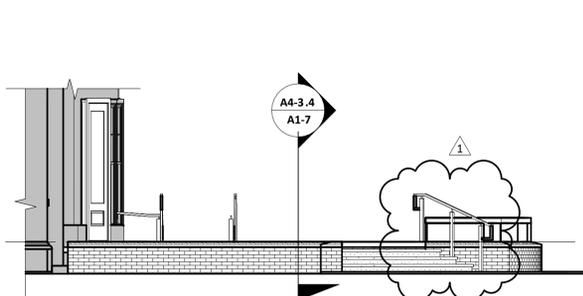
PARTIAL BASEMENT FLOOR PLAN - NEW WORK ALTERNATE 1

3/16" = 1'-0"



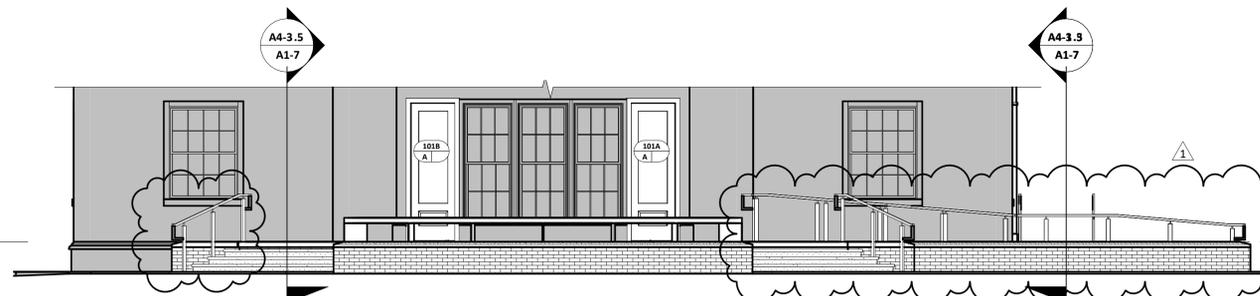
FIRST FLOOR PLAN - NEW WORK ALTERNATE 1

3/16" = 1'-0"



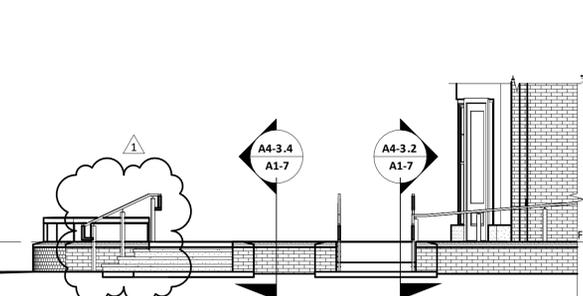
A1-7.1 REAR ELEV. AT NEW PATIO - ALT. 1

A1-7 3/16" = 1'-0"



A1-7.2 LEFT ELEV AT NEW PATIO - ALT. 1

A1-7 3/16" = 1'-0"



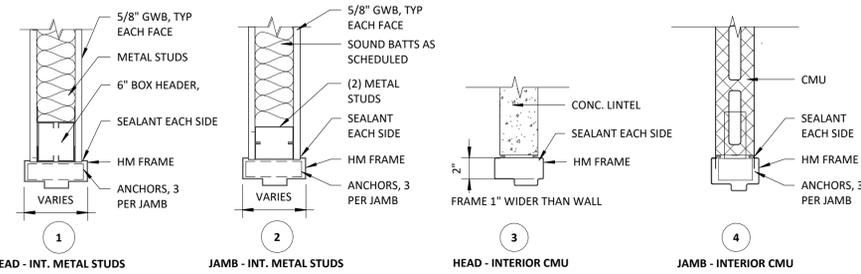
A1-7.3 FRONT ELEV. AT NEW PATIO - ALT. 1

A1-7 3/16" = 1'-0"

FIRST FLOOR PLAN 0.00'

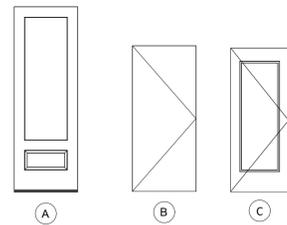
### HEAD AND JAMB DETAILS

1 1/2" = 1'-0"



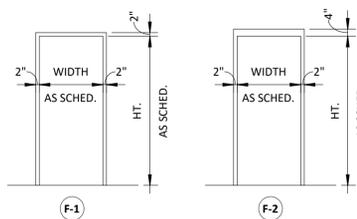
### DOOR TYPES

NO SCALE



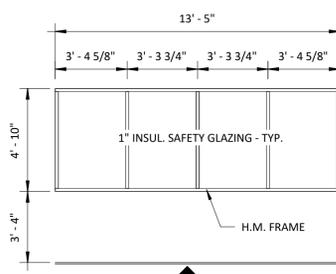
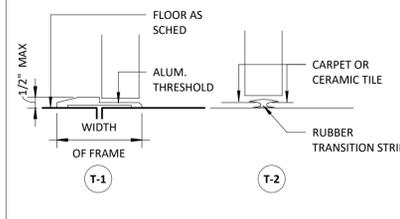
### FRAME TYPES

NO SCALE



### THRESHOLD TYPES

NO SCALE



### BORROWED LIGHT AT EAST STUDY LOUNGE

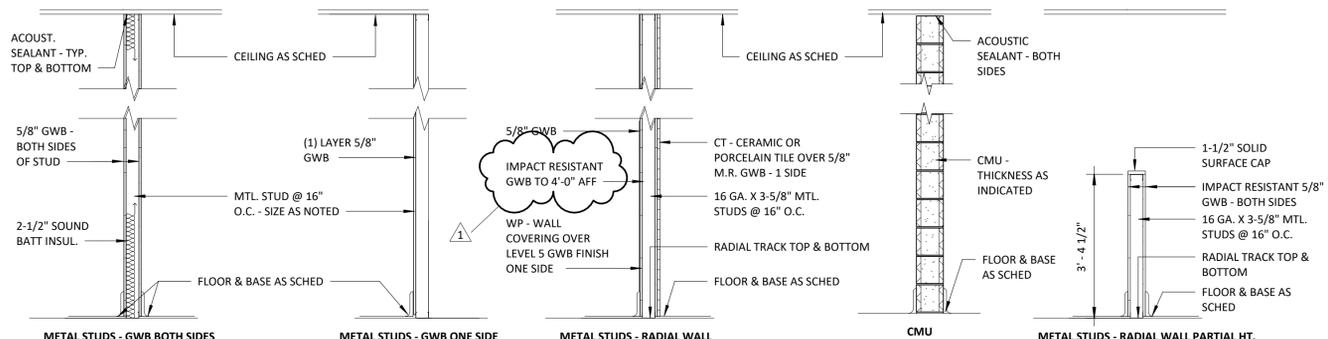
1/4" = 1'-0"

### DOOR SCHEDULE

Mark	Door					Frame				Remarks			
	Width x Height	Thick.	Matr'l	Type	Glass	Louver or U.C.	Frame Material	Frame Type	H.		J.	S.	HDW
FIRST FLOOR PLAN													
101A	3'-2" x 8'-9"		WD-CLAD	A			WD-CLAD					01	ALTERNATE 1
101B	3'-2" x 8'-9"		WD-CLAD	A			WD-CLAD					01	ALTERNATE 1
109	3'-0" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-2	3	4		05	
110	2'-8" x 7'-0"	1 3/4"	WD	B	-	-	HM	F-2	3	4		06	
112	2'-8" x 7'-0"	1 3/4"	WD	B	-	-	HM	F-2	3	4		04	
114	3'-0" x 7'-0"	1 3/4"	WD	B	-	-	HM	F-2	3	4		03	
122	2'-8" x 6'-10"	1 3/4"	WD	B	-	-	HM	F-2	3	4		03	
123A	2'-10" x 6'-10"	1 3/4"	WD	C			HM	F-2	3	4		07	
123B	2'-10" x 6'-10"	1 3/4"	WD	C			HM	F-2	3	4		07	
128	3'-0" x 6'-10"	1 3/4"	WD	B	-	-	HM	F-2	3	4		02	
130A	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
130B	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-2	3	4		05	
130C	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
130D	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
130E	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
130F	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
130G	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-2	3	4		05	
130H	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-2	3	4		05	
130I	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
132A	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-2	3	4		05	
132B	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
132C	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
132D	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
132E	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
132F	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-2	3	4		05	
146	2'-8" x 6'-10"	1 3/4"	WD	B	-	-	HM	F-2	3	4		03	
THIRD FLOOR PLAN													
315	2'-8" x 6'-10"	1 3/4"	WD	B	-	-	HM	F-2	3	4		03	
316A	2'-10" x 6'-10"	1 3/4"	WD	C			HM	F-2	3	4		07	
316B	2'-10" x 6'-10"	1 3/4"	WD	C			HM	F-2	3	4		07	
320	3'-0" x 6'-10"	1 3/4"	WD	B	-	-	HM	F-2	3	4		05	
322	3'-0" x 6'-10"	1 3/4"	WD	B	-	-	HM	F-2	3	4		02	
323A	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-2	3	4		05	
323B	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	NOTE: THIRD FLOOR SHOWN, SECOND FLOOR SIMILAR
323C	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
323D	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
323E	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
323F	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-2	3	4		05	
325	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
326A	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-2	3	4		05	
326B	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-2	3	4		05	
32A	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-2	3	4		05	
326D	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
326E	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
326F	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	1	2		05	
326G	2'-2" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-1	3	4		05	
326H	2'-8" x 7'-0"	1 3/4"	WD-PVC	B	-	-	HM	F-2	3	4		05	
340	2'-8" x 6'-10"	1 3/4"	WD	B	-	-	HM	F-2	3	4		03	
341	3'-0" x 6'-10"	1 3/4"	WD	B	-	-	HM	F-2	3	4		04	

### PARTITION TYPES

NO SCALE



- 1 3 5/8" METAL STUD W/ 5/8" GWB BOTH SIDES
- 1A 6" METAL STUD W/ 5/8" GWB BOTH SIDES
- 1B 3 5/8" METAL STUD W/ 5/8" CMT. BL. BOTH SIDES
- 1C 3 5/8" METAL STUDS W/IMPACT RESISTANT GWB 4'-0" HIGH ON CORRIDOR SIDE
- 2 3 5/8" METAL STUD W/ 5/8" GWB ON ONE SIDE
- 2A 3 5/8" METAL STUD W/ 5/8" CMT. BL. ON ONE SIDE & SOUND INSULATION
- 3 METAL STUDS W/RADIAL TRACK
- 4 4" CMU
- 4A 6" CMU
- 5 METAL STUDS W/RADIAL TRACK

NOTE:  
 CT DENOTES CERAMIC OR PORCELAIN TILE - FULL HEIGHT ON SIDE(S) OF WALLS INDICATED. SEE I-SHEETS FOR MORE INFORMATION  
 WP DENOTES WALL COVERING TO BE SURFACE APPLIED TO LEVEL 5 GWB FINISH SEE I-SHEETS FOR MORE INFORMATION

Revisions		
No.	Date	Description
1	01-21-25	Addendum 001

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**DOOR SCHEDULE, DETAILS & PARTITION TYPES**

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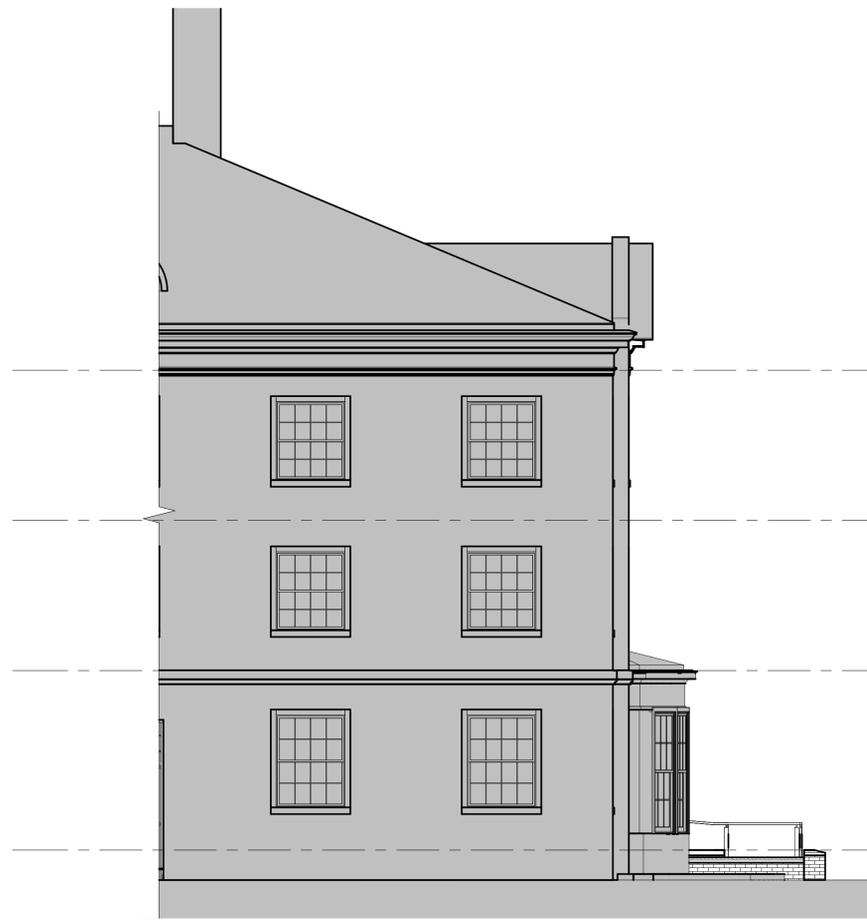


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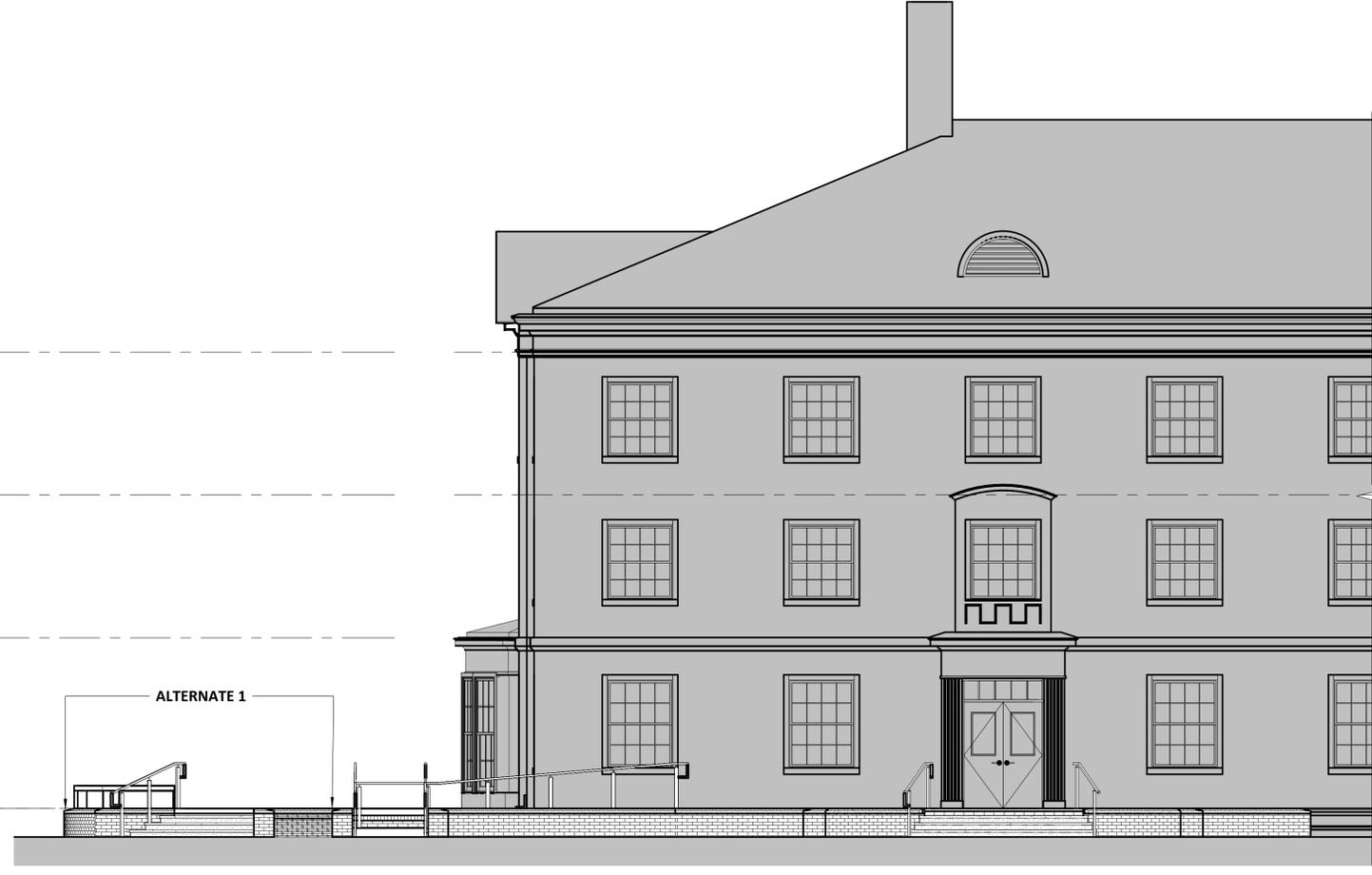
**EXTERIOR ELEVATIONS**

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 SHEET  
 A3-1  
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**A3-1.1 PARTIAL REAR ELEVATION**  
 3/16" = 1'-0"



**A3-1.3 PARTIAL FRONT ELEVATION**  
 3/16" = 1'-0"

ATTIC PLAN 30.02'  
 THIRD FLOOR PLAN 20.63'  
 SECOND FLOOR PLAN 11.23'  
 FIRST FLOOR PLAN 0.00'

Revisions		
No.	Date	Description
1	01-21-25	Addendum 001

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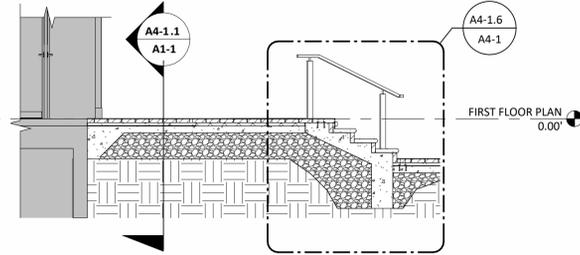


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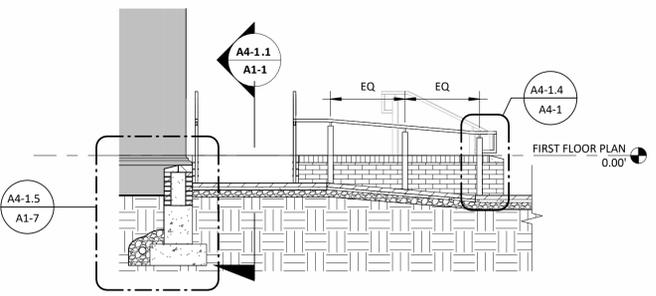
**BUILDING SECTIONS EXTERIOR ADDITIONS**

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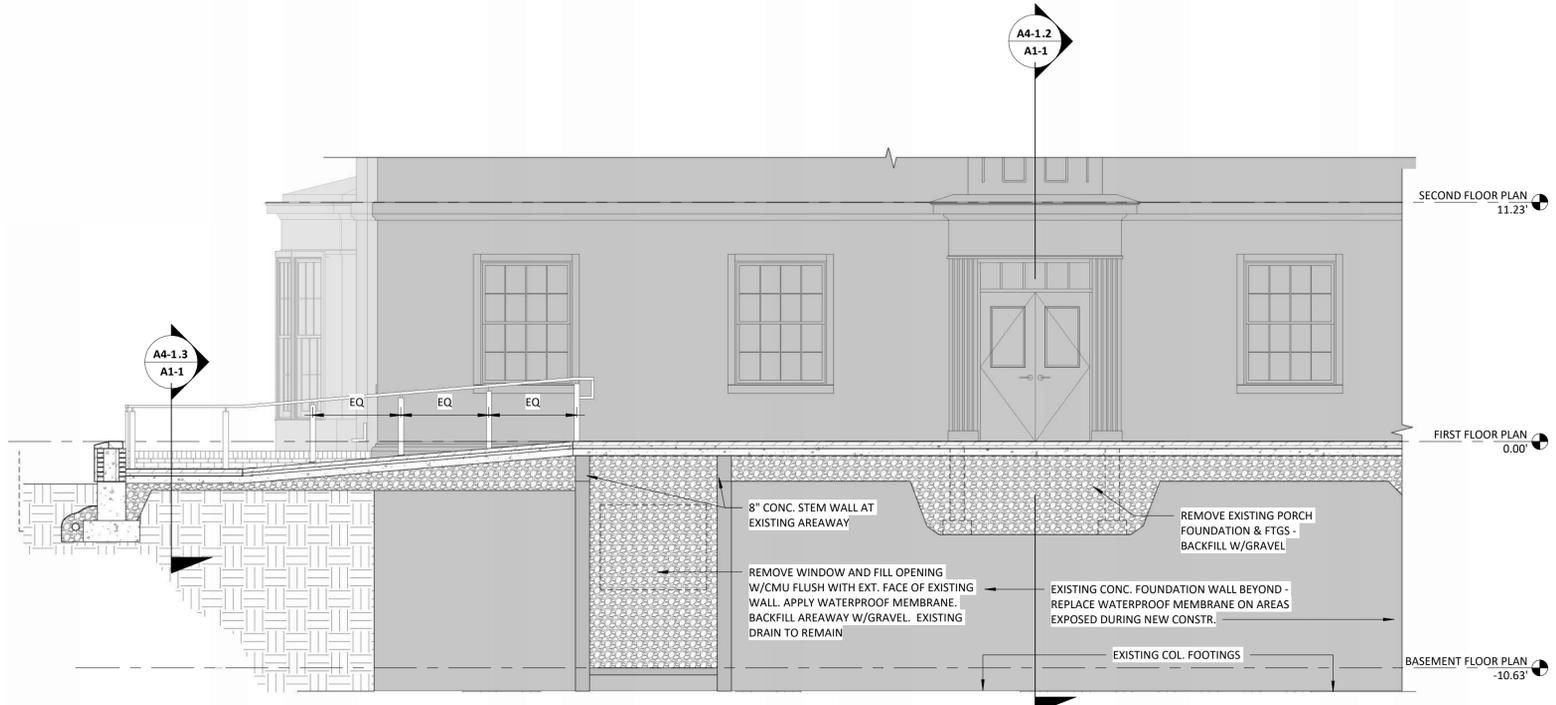
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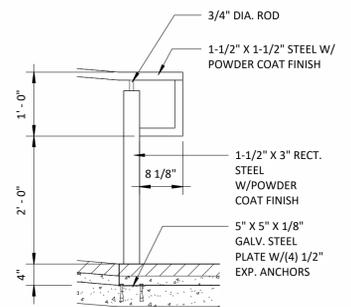
**A4-1.2 SECTION AT FRONT ENTRANCE**  
 A1-1 1/4" = 1'-0"



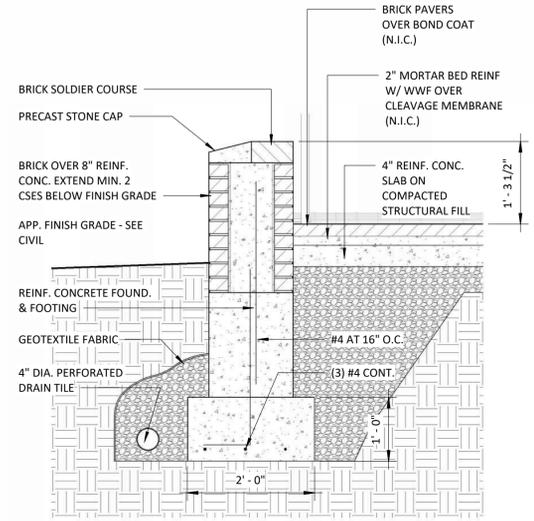
**A4-1.3 TRANSVERSE SECTION AT RAMP LANDING**  
 A1-1 1/4" = 1'-0"



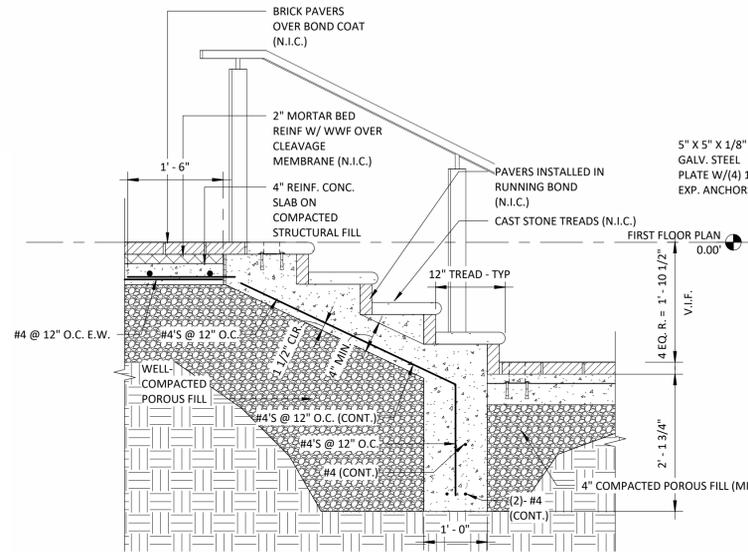
**A4-1.1 SECTION AT PORCH & RAMP**  
 A1-1 1/4" = 1'-0"



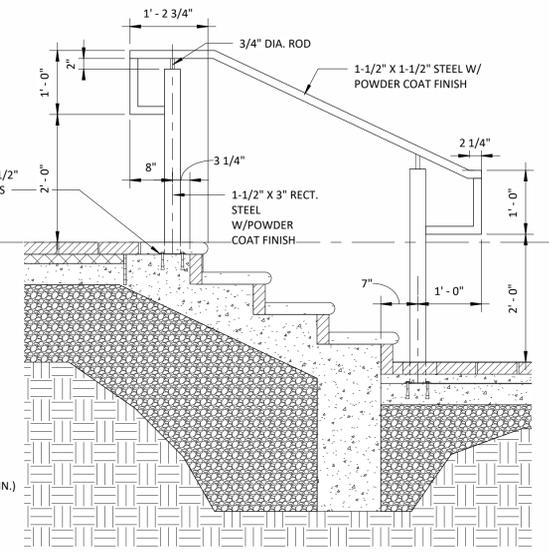
**A4-1.4 RAMP RAILING TYP. TERMINATION**  
 A4-1 3/4" = 1'-0"



**A4-1.5 TYP. SECTION - RAMP WALLS**  
 A1-7 3/4" = 1'-0"



**A4-1.6 SECTION AT FRONT STEPS**  
 A4-1 3/4" = 1'-0"



**RAILING DETAIL**  
 3/4" = 1'-0"

Revisions		
No.	Date	Description

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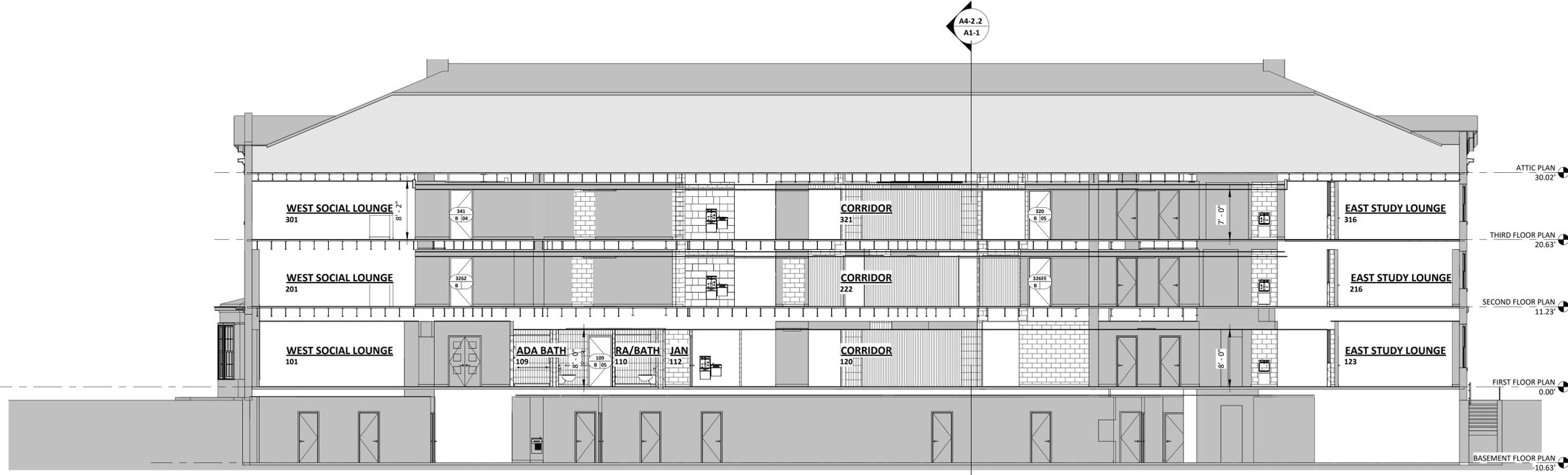


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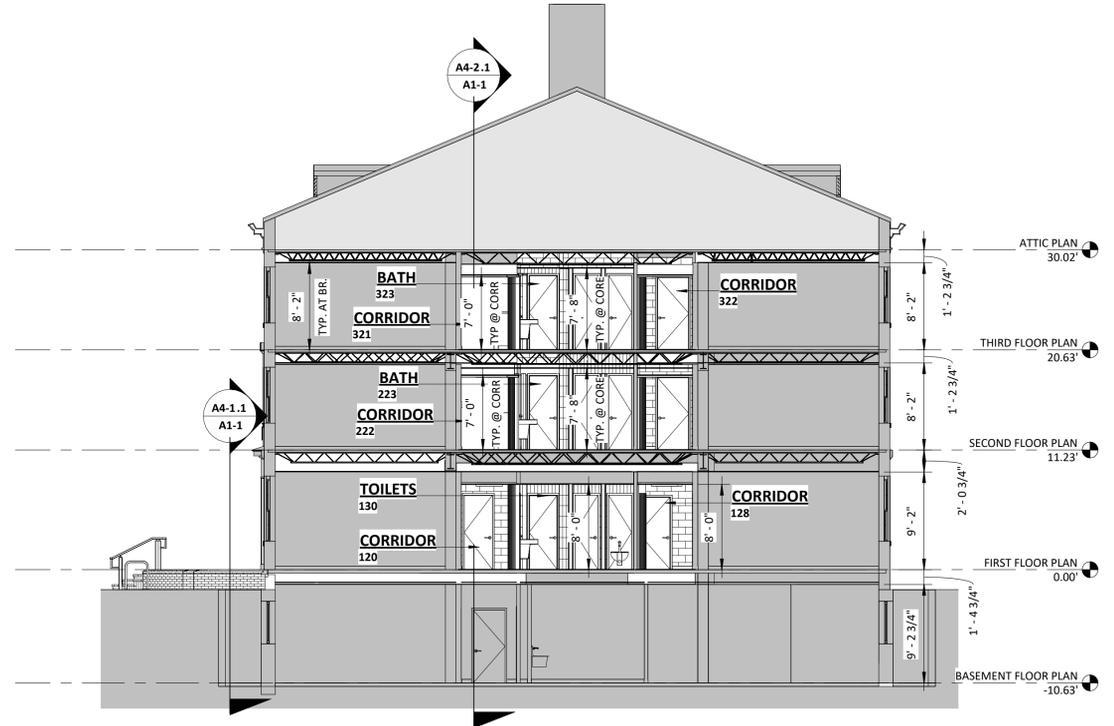
**BUILDING SECTIONS INTERIOR**

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**A4-2.1 SECTION AT CORRIDOR**  
 A1-1 1/8" = 1'-0"



**A4-2.2 SECTION AT TOILET ROOMS**  
 A1-1 1/8" = 1'-0"

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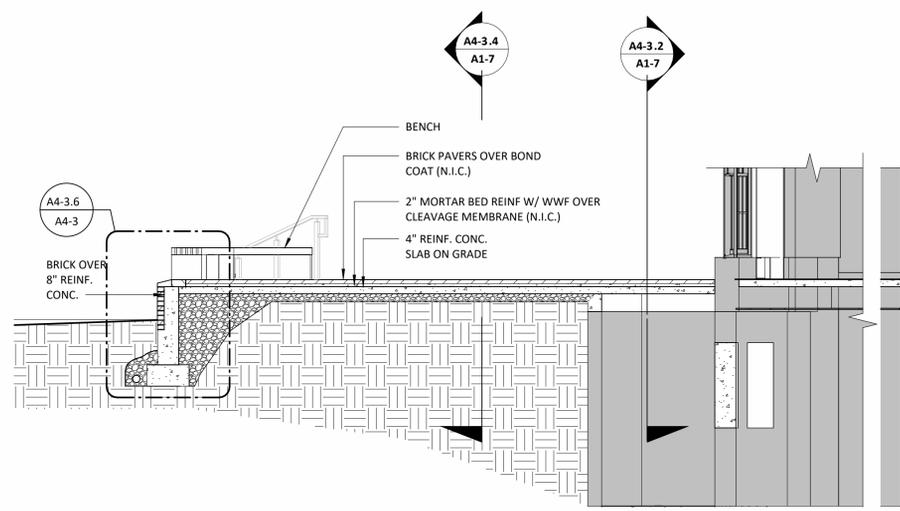


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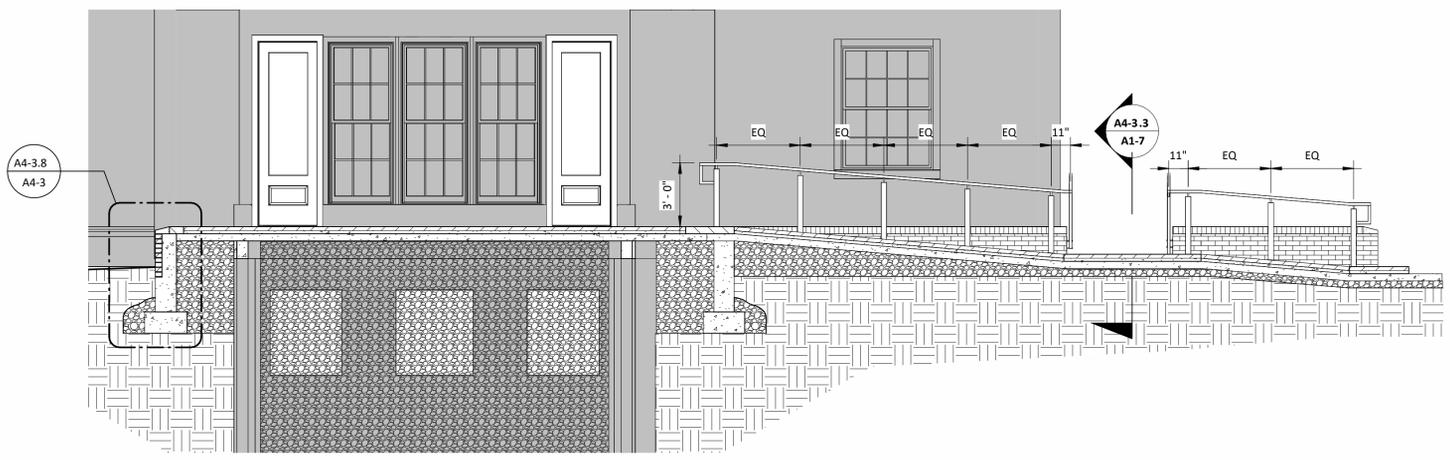
**SECTIONS ALTERNATE 1**

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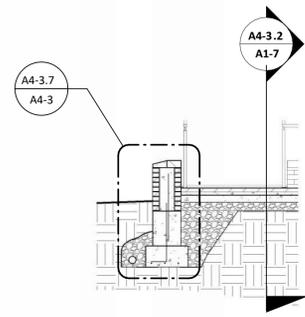
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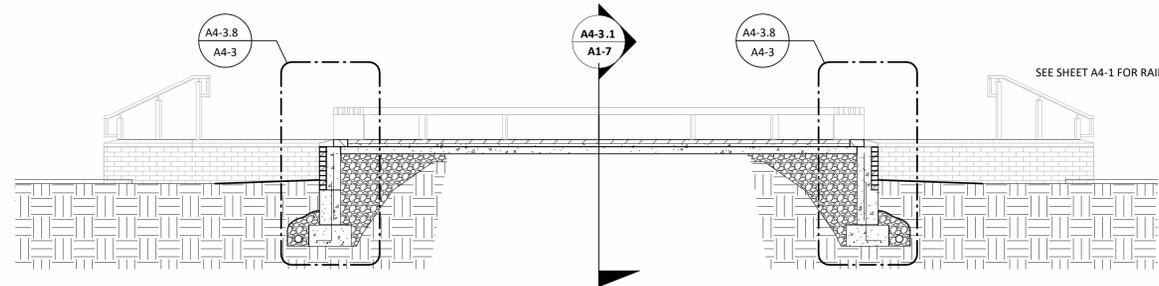
**A4-3.1 LONG. SECTION @ PATIO**  
 A1-7 1/4" = 1'-0"



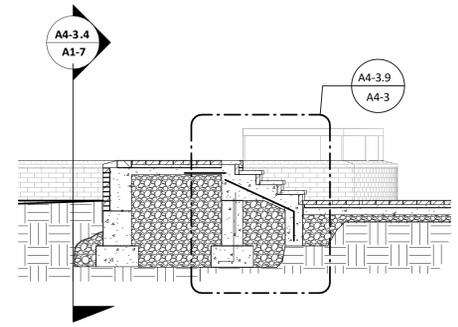
**A4-3.2 TRANSVERSE SECTION AT PATIO1**  
 A1-7 1/4" = 1'-0"



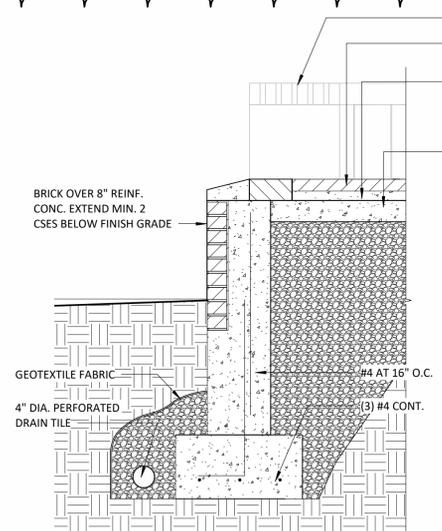
**A4-3.3 SECTION AT RAMP LANDING**  
 A1-7 1/4" = 1'-0"



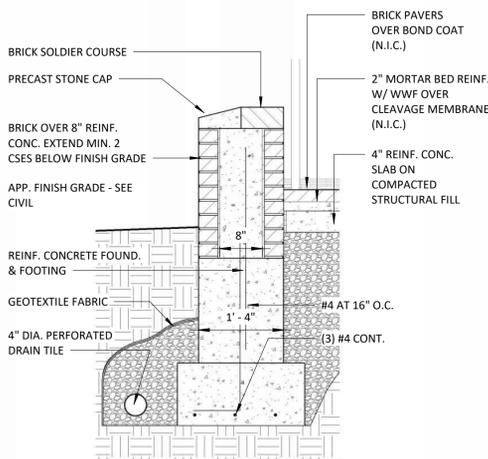
**A4-3.4 SECTION AT PATIO WALLS**  
 A1-7 1/4" = 1'-0"



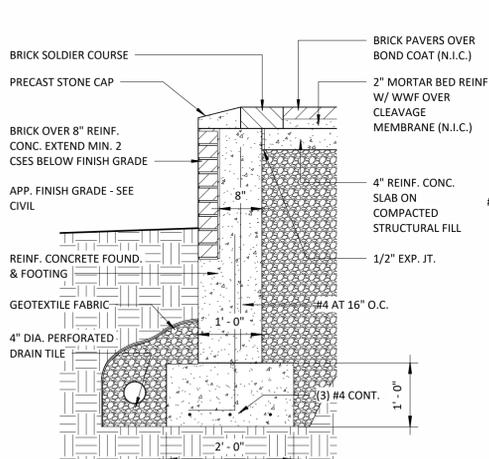
**A4-3.5 SECTION AT STAIRS**  
 A1-7 1/4" = 1'-0"



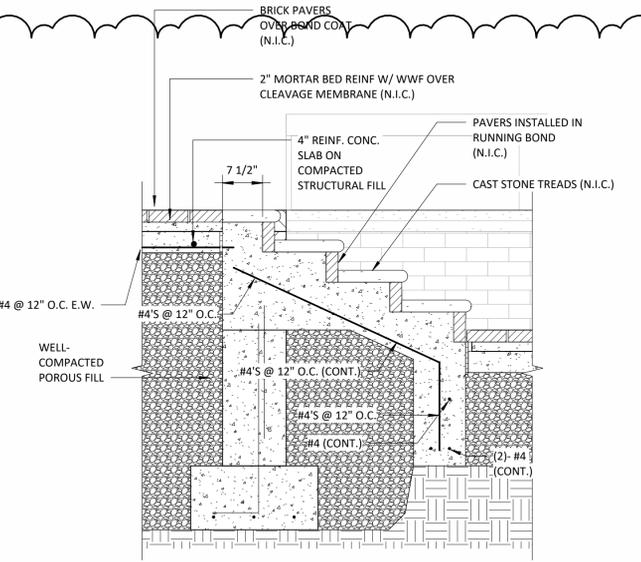
**A4-3.6 SECTION @ RADIUS WALL**  
 A4-3 3/4" = 1'-0"



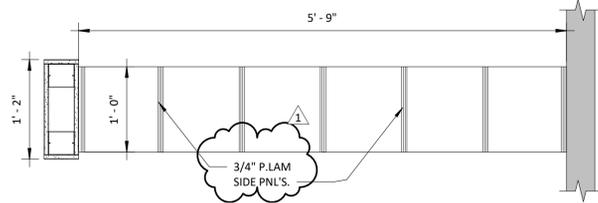
**A4-3.7 TYP. SEC'N AT RAMP WALL**  
 A4-3 3/4" = 1'-0"



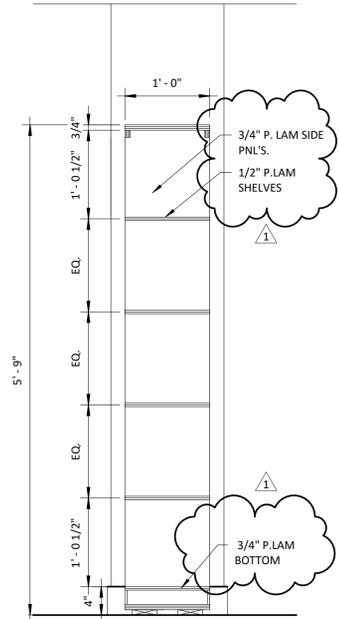
**A4-3.8 TYP. SEC'N AT PERIMETER WALL**  
 A4-3 3/4" = 1'-0"



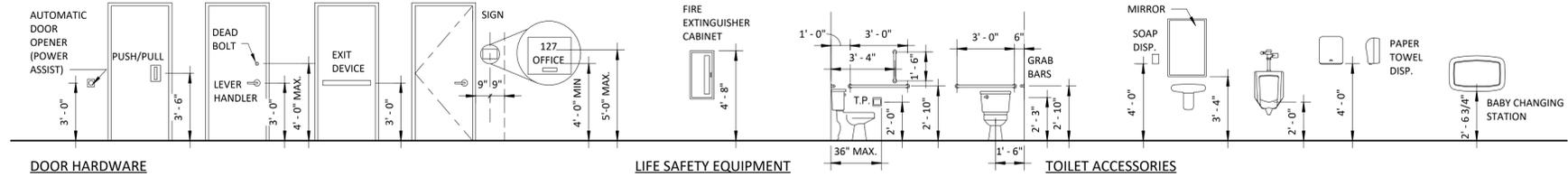
**A4-3.9 SECTION DETAIL AT STAIRS**  
 A4-3 3/4" = 1'-0"



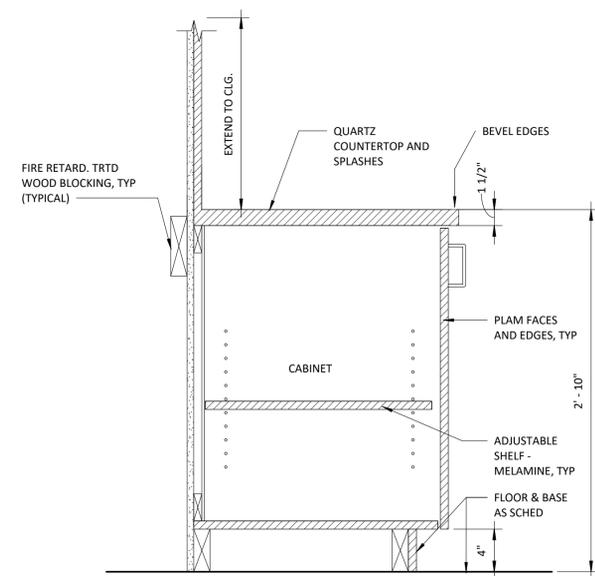
**A6-1.7 CUBBIE DETAIL - PLAN**  
**A6-1 1" = 1'-0"**



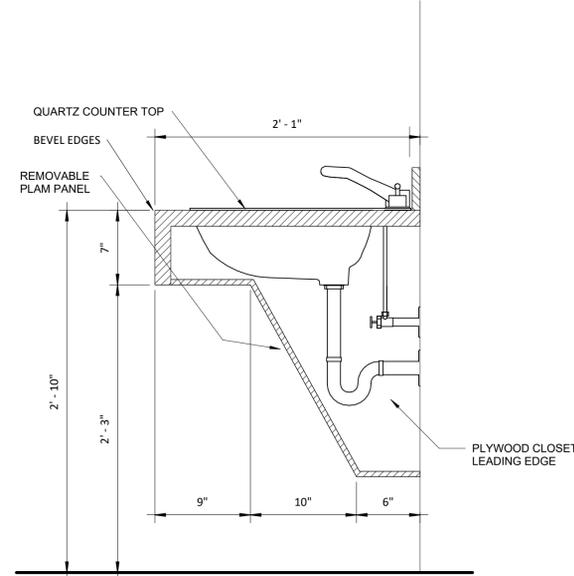
**A6-1.6 CUBBIE DETAIL**  
**A6-1 1" = 1'-0"**



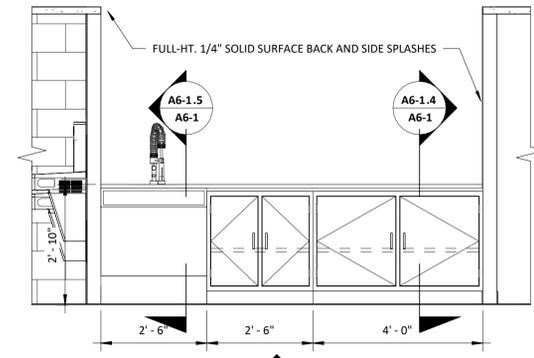
**TYPICAL MOUNTING HEIGHTS**  
**1/4" = 1'-0"**



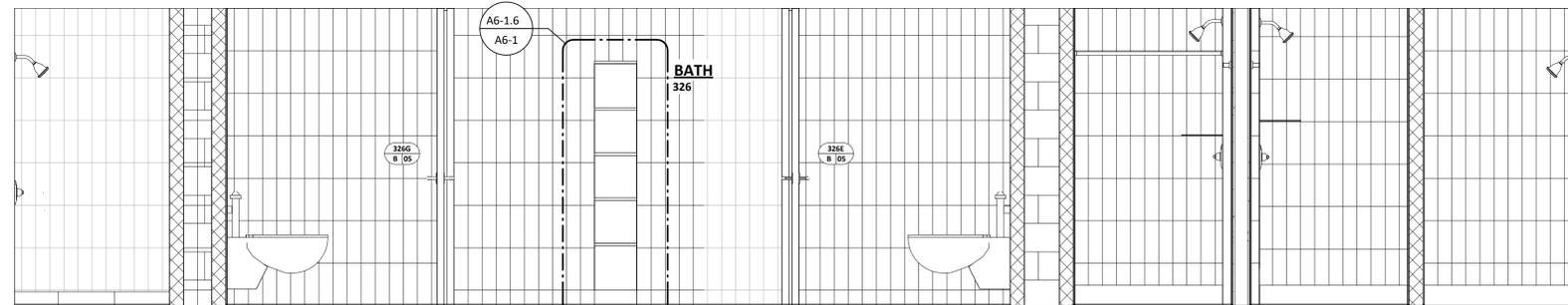
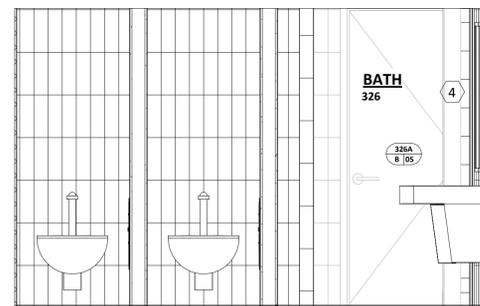
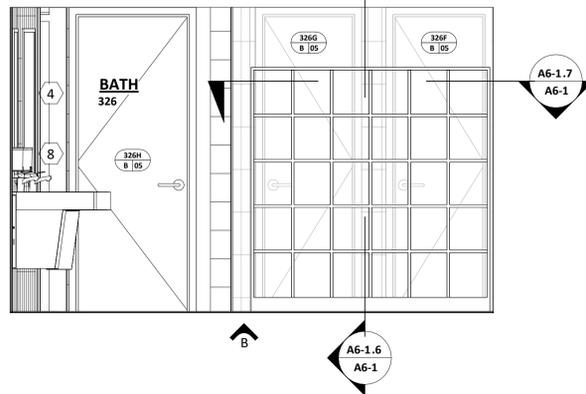
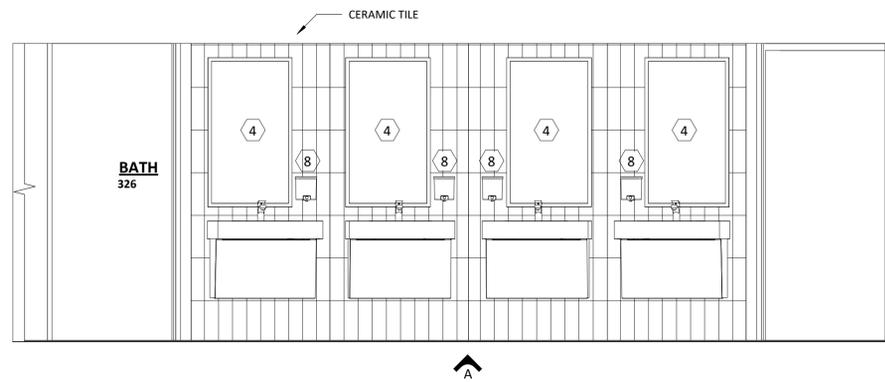
**A6-1.4 CASEWORK DETAIL**  
**A6-1 1 1/2" = 1'-0"**



**A6-1.5 CASEWORK DETAIL**  
**A6-1 1 1/2" = 1'-0"**



**A6-1.3 INTERIOR ELEVATION - TYP. KITCHEN**  
**A1-4 1/2" = 1'-0"**



**A6-1.1 INTERIOR ELEVATIONS - BATH 326**  
**A1-4 1/2" = 1'-0"**

**TOILET ACCESSORY SCHEDULE**

WT	Description
1	42" GRAB BAR
2	36" GRAB BAR
3	18" VERTICAL GRAB BAR
4	24 x 36 MIRROR
5	S.M. DBL TOILET TISSUE HOLDER W/NAPKIN DISP.
6	S.M. DBL TOILET TISSUE HOLDER
7	SEMI-REC COMB. AUTO. PAPER TOWEL DISP. & TRASH REC.
8	S.M. SOAP DISPENSER
9	REC. DBL TOILET TISSUE HOLDER W/NAPKIN DISP.
10	S.M. FOLD DOWN SEAT
11	36" X 54" GRAB BAR
12	DOUBLE ROBE HOOK
13	SHOWER ROD
14	SCHLUTER TRAPEZOIDAL SHELF-E

Revisions		
No.	Date	Description
1	01-21-25	Addendum 001

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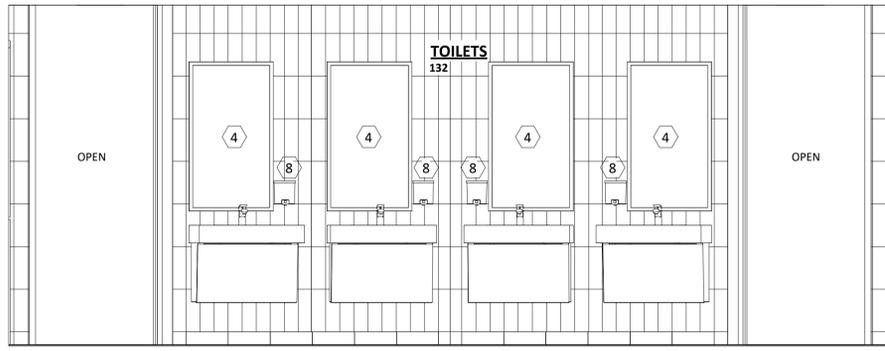


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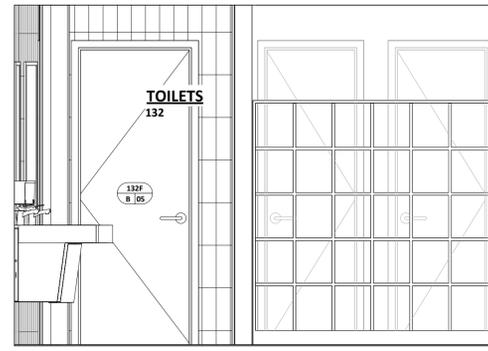
**ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS**

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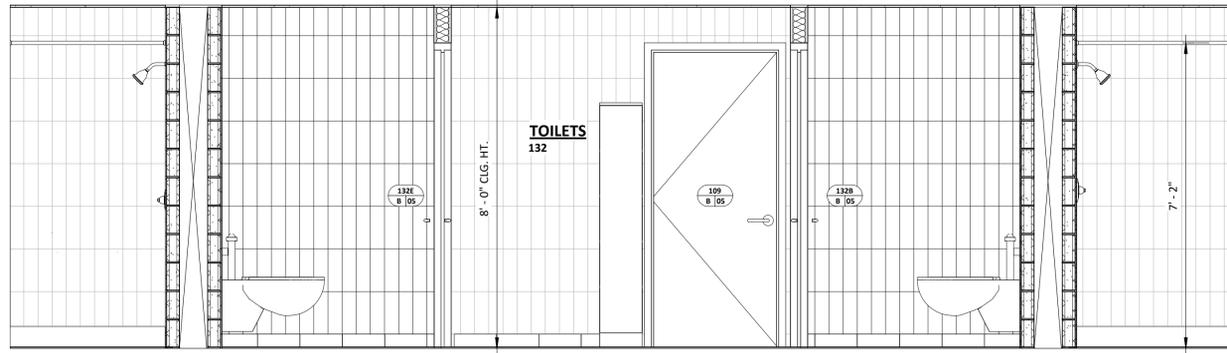
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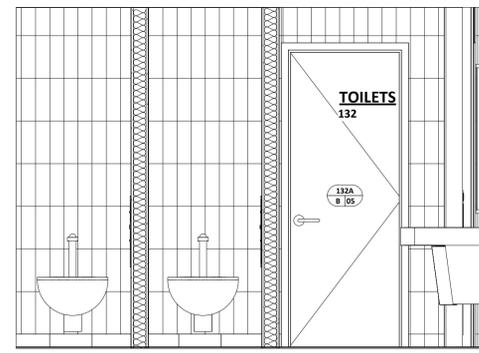
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TOILET ACCESSORY SCHEDULE

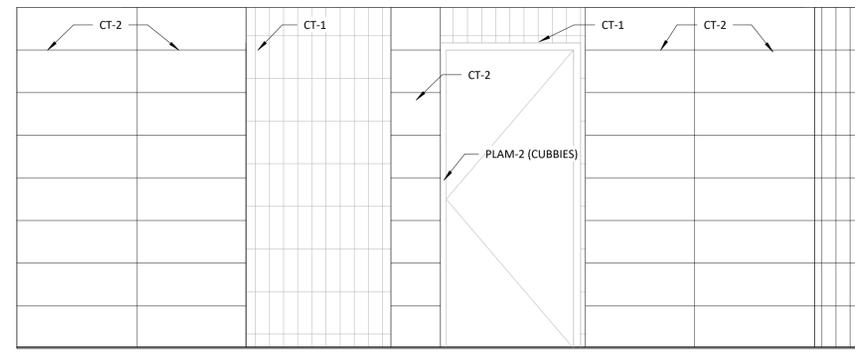
WT	Description
1	42" GRAB BAR
2	36" GRAB BAR
3	18" VERTICAL GRAB BAR
4	24 x 36 MIRROR
5	S.M. DBL TOILET TISSUE HOLDER W/NAPKIN DISP.
6	S.M. DBL TOILET TISSUE HOLDER
7	SEMI-REC COMB. AUTO. PAPER TOWEL DISP. & TRASH REC.
8	S.M. SOAP DISPENSER
9	REC. DBL TOILET TISSUE HOLDER W/NAPKIN DISP.
10	S.M. FOLD DOWN SEAT
11	36" X 54" GRAB BAR
12	DOUBLE ROBE HOOK
13	SHOWER ROD
14	SCHLUTER TRAPEZOIDAL SHELF-E



H



I

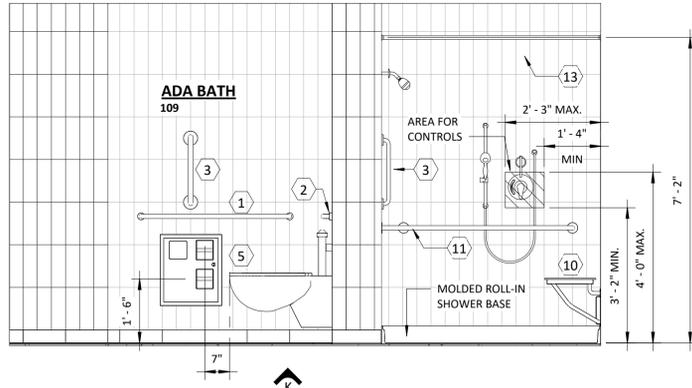


T- TYP. ELEV. AT TOILET STALLS

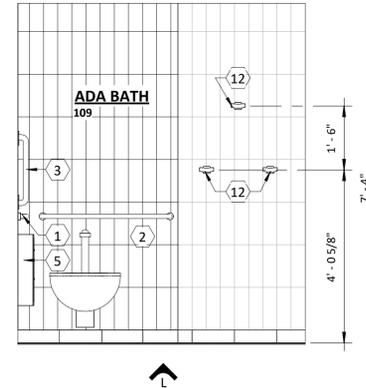
1/2" = 1'-0"

A6-2.1 INTERIOR ELEVATIONS - TOILETS 132

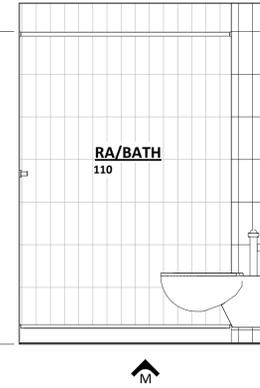
A1-2 1/2" = 1'-0"



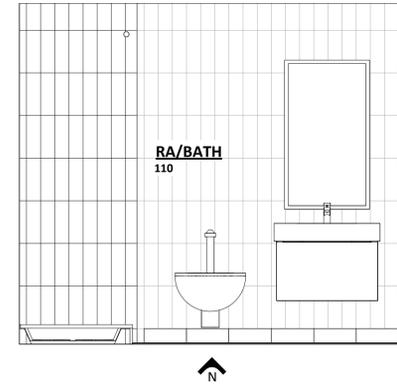
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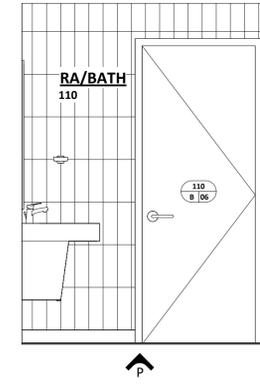
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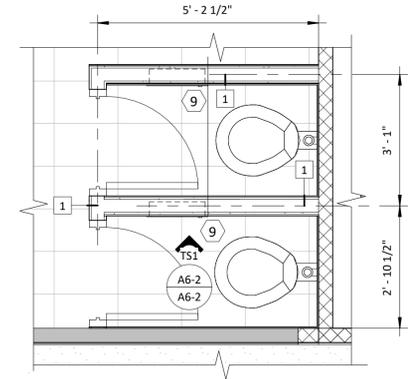
M



N



P



A6-2.8 TYP. TOILET STALL PLAN

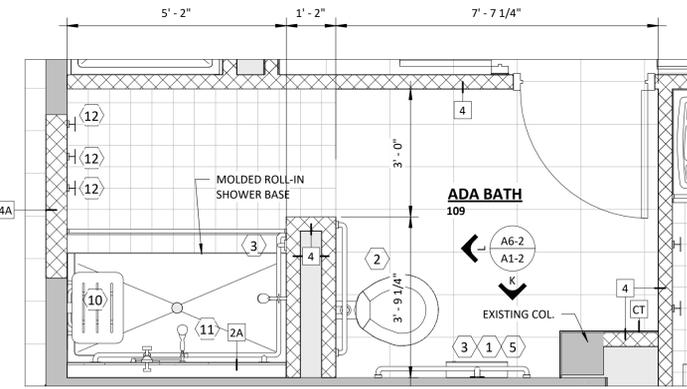
A1-2 1/2" = 1'-0"

A6-2.2 INTERIOR ELEVATIONS - ADA BATH 109

A1-2 1/2" = 1'-0"

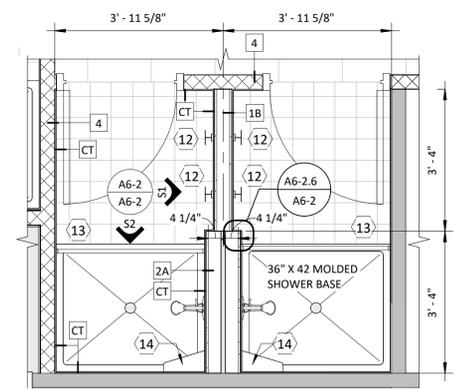
A6-2.3 INTERIOR ELEVATIONS - RA/ BATH 110

A1-2 1/2" = 1'-0"



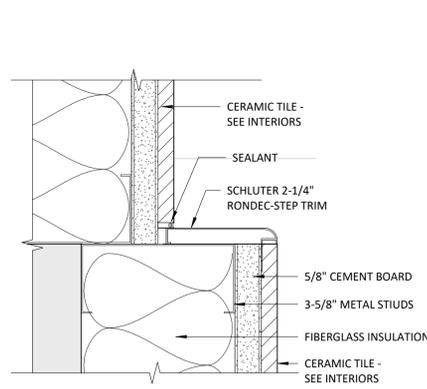
A6-2.4 PLAN DETAIL- ADA BATH 109

A1-2 1/2" = 1'-0"



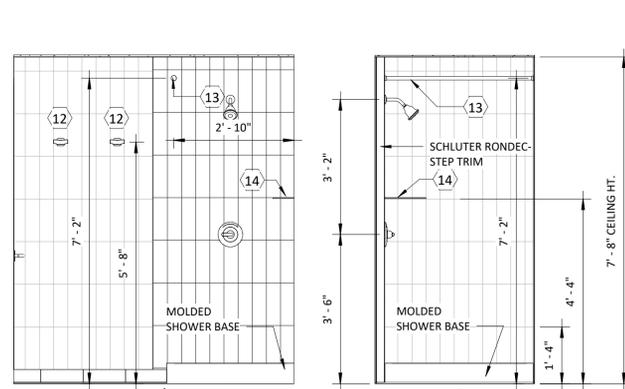
A6-2.5 TYP. SHOWER PLAN

A1-5 1/2" = 1'-0"



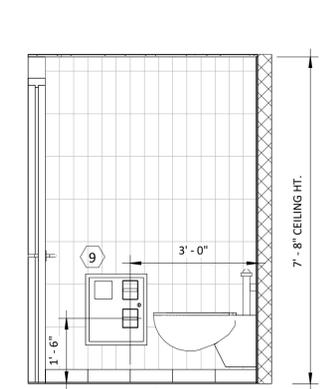
A6-2.6 PLAN DETAIL - TILE CAP

A6-2 6" = 1'-0"



A6-2.7 TYP. SHOWER ELEVS.

A6-2 1/2" = 1'-0"



TYP. STALL ELEV.

1/2" = 1'-0"



Revisions		
No.	Date	Description

**HUGHES ASSOCIATES ARCHITECTS & ENGINEERS**  
 3800 ELECTRIC ROAD, SUITE 300 | ROANOKE, VIRGINIA 24018  
 540.342.4002  
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### REFLECTED CEILING PLAN NOTES:

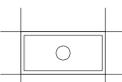
**NOTE 1:** SEE MECH & ELEC DRAWINGS FOR LOCATIONS & TYPES OF DIFFUSERS & FIXTURES AND FOR ITEMS NOT SHOWN ON THIS PLAN.

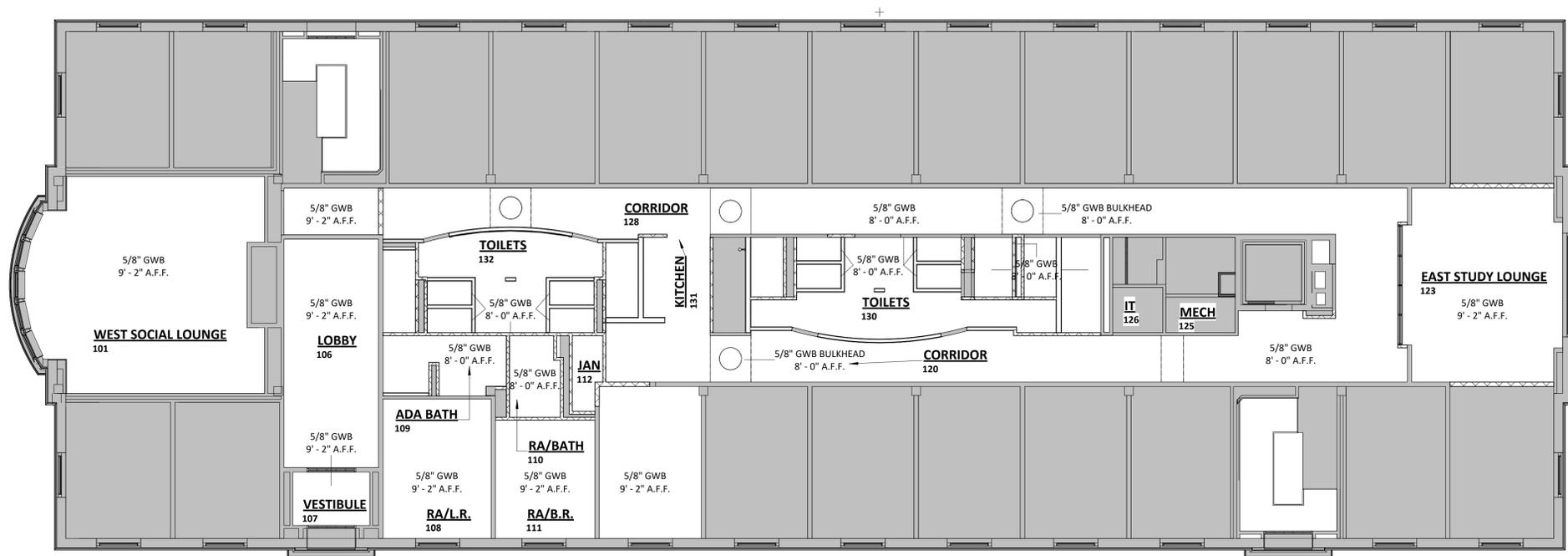
**NOTE 2:** BRACE BULKHEAD & SOFFITS TO STRUCTURE ABOVE.

**NOTE 3:** SEE LIFE SAFETY PLAN & ELEC. DRAWINGS FOR ADDITIONAL INFORMATION ON EXIT AND EMERGENCY LIGHTS.

**NOTE 4:** COORDINATE LIGHTING LAYOUT W/ ELECTRICAL DRAWINGS.

### REFLECTED CEILING PLAN LEGEND

	SUSPENDED ACOUSTICAL CLG.		SURFACE- MTD FIXTURE
	GWB CEILING, SOFFIT OR BULKHEAD		WALL OR BULKHEAD-MOUNTED LIGHTS
	EXISTING CEILING TO REMAIN		EXIT LIGHTS
	LAY-IN FIXTURE		EMERGENCY LIGHTS, BATTERY PACKS
			RECESSED CAN LIGHTS; REFER TO ELEC. DRAWINGS FOR TYPE & SIZE
			MECH. SUPPLY REGISTER
			MECH. RETURN REGISTER AND/OR EXHAUST FAN



**FIRST FLOOR REFLECTED CEILING PLAN**  
 1/8" = 1'-0"

Crawford Hall Renovation  
**ROANOKE COLLEGE**  
 221 College Lane  
 Salem, Virginia



DRAWN BY: EHS  
 CHECKED BY: Checker

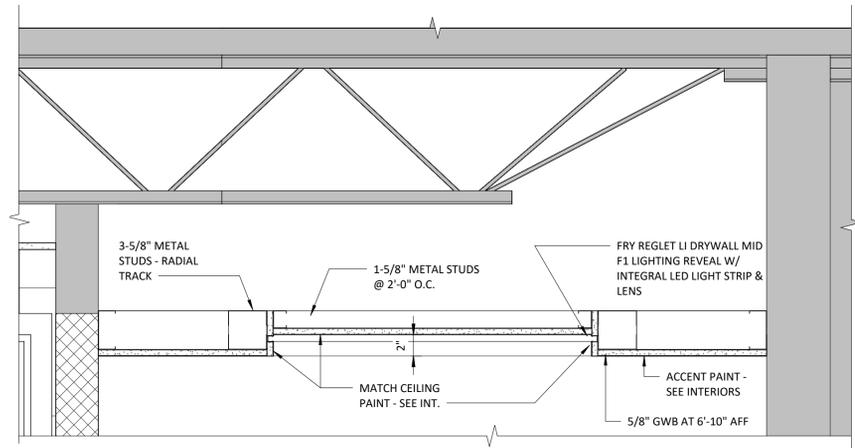
**OVERALL FIRST FLOOR REF. CLG. PLANS**

REF PRICING  
 NOT FOR CONSTRUCTION  
 DOCUMENT

COMMISSION No. 24028  
 SHEET A8-1  
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Revisions		
No.	Date	Description
1	01-21-25	Addendum 001

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**A8-2.1**  
**A1-5** 1 1/2" = 1'-0"

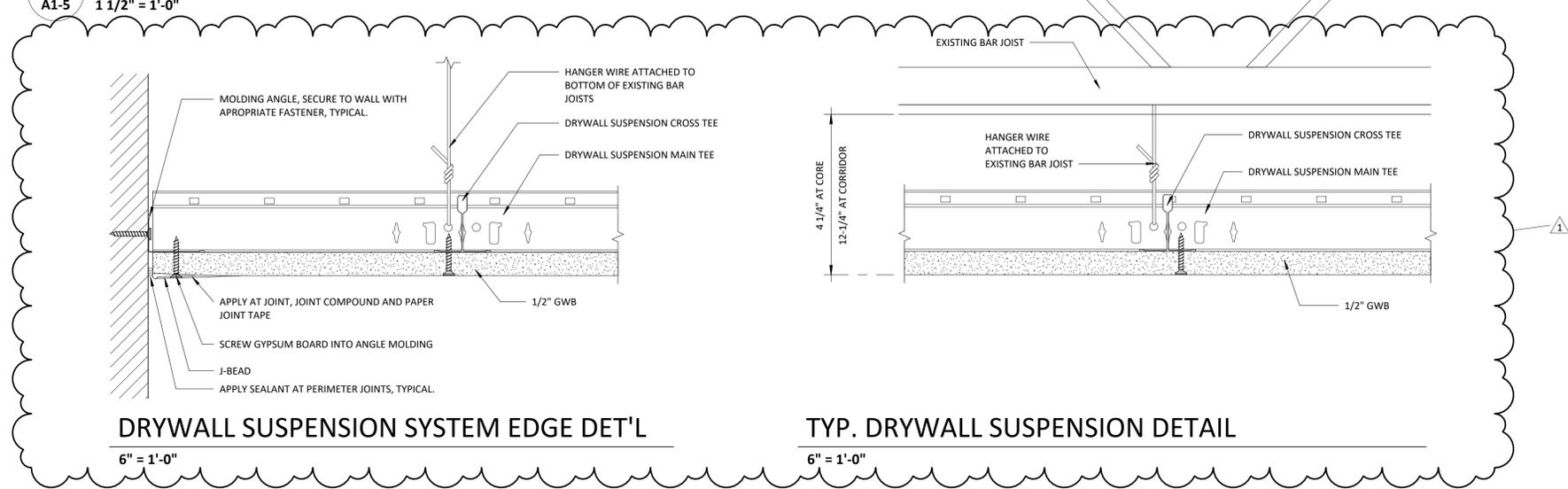
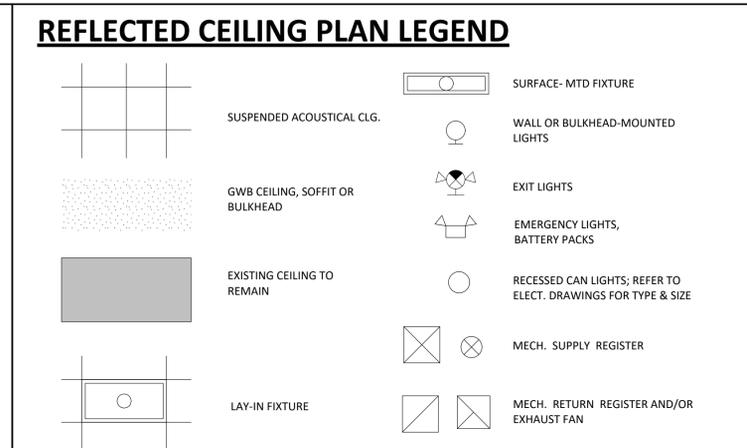
**REFLECTED CEILING PLAN NOTES:**

**NOTE 1:** SEE MECH & ELEC DRAWINGS FOR LOCATIONS & TYPES OF DIFFUSERS & FIXTURES AND FOR ITEMS NOT SHOWN ON THIS PLAN.

**NOTE 2:** BRACE BULKHEAD & SOFFITS TO STRUCTURE ABOVE.

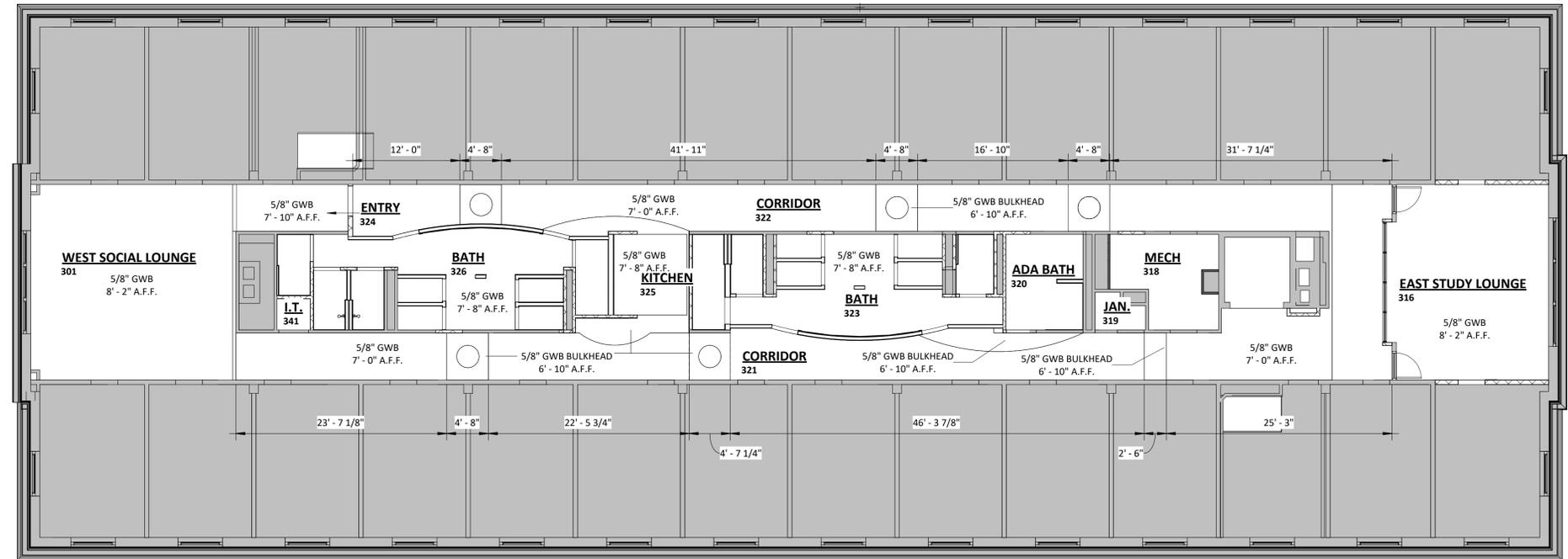
**NOTE 3:** SEE LIFE SAFETY PLAN & ELEC. DRAWINGS FOR ADDITIONAL INFORMATION ON EXIT AND EMERGENCY LIGHTS.

**NOTE 4:** COORDINATE LIGHTING LAYOUT W/ ELECTRICAL DRAWINGS.



**DRYWALL SUSPENSION SYSTEM EDGE DET'L**  
 6" = 1'-0"

**TYP. DRYWALL SUSPENSION DETAIL**  
 6" = 1'-0"



**SECOND/ THIRD FLOOR REFLECTED CEILING PLAN**  
 1/8" = 1'-0"

Crawford Hall Renovation  
**ROANOKE COLLEGE**  
 221 College Lane  
 Salem, Virginia



DRAWN BY: EHS  
 CHECKED BY: Checker

**SECOND/ THIRD FLOOR REFLECTED CEILING PLAN**

REF PRICING  
 NOT FOR CONSTRUCTION  
 DOCUMENT

COMMISSION No. 24028  
 SHEET A8-2  
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# INTERIOR FINISH SPECIFICATIONS

PNT-1 (Wall Paint - Field)  
MFG: WolfGordon  
STYLE: ScuffMaster, ScrubTough Max  
COLOR: To match Sherwin Williams, SW 9109 Natural Linen

PNT-2 (Ceiling Paint)  
MFG: Sherwin Williams  
COLOR: SW 7566 West Highland White  
SHEEN: Satin

PNT-2.1 (Ceiling Paint Accent)  
MFG: Sherwin Williams  
COLOR: SW 6580 Cerise  
SHEEN: Flat  
INSTALL: Bulkhead interior ceiling

PNT-3 (Trim Paint)  
MFG: Sherwin Williams  
COLOR: SW 9126 Honed Soapstone  
SHEEN: Semi-gloss

PNT-4 (Wall Paint - 1st Fl Accent)  
MFG: WolfGordon  
STYLE: ScuffMaster, ScrubTough Max  
COLOR: To match Sherwin Williams SW 6580 Cerise  
INSTALL: Vestibule

PNT-5 (Wall Paint - 2nd Fl Accent)  
MFG: WolfGordon  
STYLE: ScuffMaster, ScrubTough Max  
COLOR: To match Sherwin Williams SW 6761 Thermal Spring  
INSTALL: West Study Lounge half-wall

PNT-6 (Wall Paint - 3rd Fl Accent)  
MFG: WolfGordon  
STYLE: ScuffMaster, ScrubTough Max  
COLOR: color to match Sherwin Williams SW 6531 Indigo  
INSTALL: West Study Lounge half-wall

PNT-7 (Wall Paint - Accent Kitchen)  
MFG: WolfGordon  
STYLE: ScuffMaster, ScrubTough Max  
COLOR: To match Sherwin Williams SW 7674 Peppercorn

WP-1 (Wall Cladding Panel - Accent)  
MFG: Altro  
STYLE: Whiterock Wall Designs Semi-rigid PVC Sheet  
COLOR: 9904 Warm Woodgrain  
FINISH: Satin  
SIZE: 8'-4" x 8'-2" x 2.5mm  
TRIM: Edge Trim, Joint Strip, Nickel  
INSTALL: Corridor Curved Wall Accent, Full height; RB-1 on face; Refer to Elevations

WP-2 (Acoustic Wall Panel - Accent)  
MFG: AMQ Solutions/Barrows Office Furniture  
STYLE: 3F Wall Tiles, Hexagon  
COLORS: FC9 Sand, FC3 Ash, FC2 Shadow, FC5 Celestial, FC7 Tuscan, FC6 Verde  
SIZE: 11.5" x 9.96" x 9mm (.35")  
INSTALL: Wall-mount; Study Lounges; Refer to Plan and Elevation

CT-1 (Ceramic Wall Tile - Field)  
MFG: Daltile  
STYLE: Color Wheel Linear  
COLOR: 0790 Arctic White  
FINISH: Semi-gloss  
SIZE: 4" x 12" x 3/8"  
BASE: A34C1MOD 4x12 Flat Top Cove Base  
GROUT: 1/8" line; GT-1  
INSTALL: Color Wheel Classic A3401 Flat Top Cove Base, 0709 Arctic White Matte, 4x4  
INSTALL: Toilet, Vertical stack

CT-2 (Ceramic Wall Tile - Accent)  
MFG: Daltile  
STYLE: Aesthetic Geometric  
COLOR: AS23 White  
FINISH: Satin  
SIZE: 12" x 36" x 7/16"  
GROUT: 1/16" line; GT-1  
INSTALL: Toilet: Horizontal stack; floor to ceiling; provide clear silicon seal at transition to floor tile; refer Interior New Work Note #5

CT-3 (Ceramic Floor Tile)  
MFG: Daltile  
STYLE: Fabric Arts - Modern Linear  
COLOR: ML63 Medium Gray  
FINISH: Matte  
SIZE: 12" x 24" x 5/16"  
GROUT: 1/8" line; GT-2  
BASE: P36C9TB Cove Base 6x12, Outside Corner 1x6, Modern Textile Medium Gray  
INSTALL: 1st Fl. Lobby; Vertical Stagger 1/3 Offset

CT-4 (Ceramic Floor Tile)  
MFG: Daltile  
STYLE: Fabric Arts  
COLOR: MK71 White Ash Prism  
FINISH: Matte  
SIZE: 12" x 24" x 5/16"  
GROUT: 1/8" line; GT-2

INSTALL: Horizontal Brick; Toilet open areas: Refer to Interior Finish Plans

CT-5 (Ceramic Floor Tile - Field)  
MFG: Daltile  
STYLE: Fabric Arts - Modern Linear  
COLOR: ML60 White  
FINISH: Matte  
SIZE: 12" x 24" x 5/16"  
GROUT: 1/8" line; GT-2  
BASE: P36C9TB Cove Base 6x12, Outside Corner 1x6, Modern Textile White  
INSTALL: Horizontal Stagger 1/3 Offset; Toilet Stalls and Showers: Refer to Interior Finish Plans

CT-6 (Ceramic Floor Tile - Mosaic)  
MFG: Daltile  
STYLE: Fabric Arts - Modern Textile , Straight Joint Mosaic  
COLOR: MTS0 White  
FINISH: Matte  
SIZE: 1" x 3" x 5/16"; Mesh Mount Sheet  
GROUT: GT-2  
BASE: P36C9TB Cove Base 6x12, Outside Corner 1x6, Modern Textile White  
INSTALL: Horizontal Grid; ADA Showers: Refer to Interior Finish Plans

CT-7 (Ceramic Floor Tile - Field)  
MFG: Daltile  
STYLE: Fabric Arts - Modern Linear  
COLOR: MTS4 Dark Gray  
FINISH: Matte  
SIZE: 12" x 24" x 5/16"  
GROUT: 1/8" line; GT-2  
BASE: P36C9TB Cove Base 6x12, Outside Corner 1x6, Modern Textile Dark Gray  
INSTALL: Horizontal Brick; Kitchens, Janitors

CT-8 (Ceramic Tile - Accent)  
MFG: Daltile  
STYLE: Aesthetic Retrocube Rectangle  
COLOR: AS26 White  
FINISH: Satin  
SIZE: 12" x 36" x 1/2"  
GROUT: 1/16" line; GT-1  
INSTALL: At water fountains; Horizontal stack; floor to ceiling; provide clear silicon seal at transition to floor tile; refer Interior New Work Note #5

ET-1 (Edge Trim)  
MFG: Schluter Systems  
STYLE: Vinpro VPROL100 ACGB  
FINISH: Brushed Chrome Anodized Aluminum  
COLOR: 10mm (3/8")  
INSTALL: Vertical corner transitions between CT-1 and WP-1  
Refer to Detail

ET-2 (Edge Trim)  
MFG: Schluter Systems  
STYLE: Rondec R100 ACGB  
FINISH: Brushed Chrome Anodized Aluminum  
COLOR: 10mm (3/8")  
INSTALL: Corner transition for CT-1 at Toilet curved wall

ET-3 (Edge Trim)  
MFG: Schluter Systems  
STYLE: Jolly J125 ACGB  
FINISH: Brushed Chrome Anodized Aluminum  
COLOR: 12.5mm (1/2")  
INSTALL: Vertical edge for CT-8; Refer to Detail

ET-4 (Edge Trim)  
MFG: Tarkett/Johnsonite  
STYLE: SCC-85-D Cove Cap  
COLOR: 85 Burgundy  
INSTALL: Edges of PLAM-3; terminate above and adjacent to RB-1 Rubber Base

ET-5 (Edge Trim)  
MFG: Schluter Systems  
STYLE: Rondec-Step RS100 ACGB 39  
FINISH: Brushed Chrome Anodized Aluminum  
SIZE: 10mm (3/8")  
INSTALL: Vertical edge at shower stalls; Refer to Detail

GT-1 (Grout - Wall)  
MFG: Mapei  
STYLE: Kerapoxy  
COLOR: 5221 Moonbeam

GT-2 (Grout - Floor)  
MFG: Mapei  
STYLE: Kerapoxy  
COLOR: 5103 Cobblestone

W-CPT (Walk Off Carpet)  
MFG: ShawContract  
STYLE: All Access, ST412 Jive  
COLOR: 12500 Trot  
SIZE: 24" x 24" x 0.294" (7.47mm)  
INSTALL: Entry Vestibule; Horizontal Brick

CPT-1 (Carpet - Corridor 1st Fl)  
MFG: ShawContract  
COLL: Color at Work II  
STYLE: Chromatone Tile ST444  
COLOR: Crimson Taupe 07850  
SIZE: 18" x 36" x 0.236" (5.99mm)  
INSTALL: Stagger 1/3 Offset

CPT-2 (Carpet - West Lounge 1st Fl)  
MFG: ShawContract  
COLL: Color at Work II  
STYLE: Saturate Tile ST109  
COLOR: Crimson 07850  
INSTALL: Ashlar

CPT-3 (Carpet - East Lounge 1st Fl)  
MFG: ShawContract  
COLL: Color at Work II  
STYLE: Saturate Tile ST109  
COLOR: Taupe 07515  
SIZE: 9" x 36" x 0.222" (5.64mm)  
INSTALL: Herringbone

CPT-4 (Carpet - Corridor 2nd Fl)  
MFG: ShawContract  
COLL: Assembly  
STYLE: Convene Tile ST269  
COLOR: Dynamic Interaction 67517  
SIZE: 12" x 48" x 0.250" (6.35mm)  
INSTALL: Stagger 1/3 Offset

CPT-5 (Carpet - West Lounge 2nd Fl)  
MFG: ShawContract  
COLL: Assembly  
STYLE: Convene Tile ST269  
COLOR: Vivid Link 67559  
SIZE: 12" x 48" x 0.250" (6.35mm)  
INSTALL: Stagger 1/3 Offset  
Refer to Detail

CPT-6 (Carpet - East Lounge 2nd Fl)  
MFG: ShawContract  
COLL: Assembly  
STYLE: Support Tile ST267  
COLOR: Interaction 67515  
SIZE: 12" x 48" x 0.257 (6.53mm)  
INSTALL: Stagger 1/3 Offset

CPT-7 (Carpet - Corridors 3rd Fl)  
MFG: ShawContract  
COLL: Teamwork  
STYLE: Collaboration Tile ST497  
COLOR: Influence Process 97855  
SIZE: 9" x 36" x 0.247" (6.27mm)  
INSTALL: Stagger 1/3 Offset

CPT-8 (Carpet - West Lounge 3rd Fl)  
MFG: ShawContract  
COLL: Teamwork  
STYLE: Collaboration Tile ST497  
COLOR: True Progress 97496  
SIZE: 9" x 36" x 0.247" (6.27mm)  
INSTALL: Stagger 1/3 Offset

CPT-9 (Carpet - East Lounge 3rd Fl)  
MFG: ShawContract  
COLL: Teamwork  
STYLE: Collaboration Tile ST497  
COLOR: Progress 97515  
SIZE: 9" x 36" x 0.247" (6.27mm)  
INSTALL: Stagger 1/3 Offset

LVP-1 (Luxury Vinyl Plank)  
MFG: ShawContract  
STYLE: Terrain II 4110V 20 mil  
COLOR: Butternut 00210  
SIZE: 6" x 48" x 5mm  
INSTALL: Stagger Offset 33%

RB-1 (Rubber Base - 1st Fl)  
MFG: Tarkett/Johnsonite  
COLL: Millwork Wall Base System  
STYLE: Stance MW-85-X61  
COLOR: 85 Burgundy  
SIZE: 6"H  
INSTALL: refer to Interior New Work Note #4

T-1 (Threshold/Transition)  
LOCATION: Building Entrances  
NOTE: Refer to Architectural Details

T-2 (Threshold/Transition)  
MFG: Schluter Systems  
STYLE: RENO-TK - AETK 80  
FINISH: Satin Anodized Aluminum  
SIZE: 8mm - 5/16"  
INSTALL: refer to Interior New Work Note #2

QTZ-1 (Quartz)  
MFG: Corian Quartz  
COLOR: Snow Flurry  
FINISH: Polished  
EDGE: Beveled  
INSTALL: Kitchen Countertops & Back/Side Splashes; Half-wall caps; refer to Details

PLAM-1 (Plastic Laminate)  
MFG: Formica Brand Laminate  
COLOR: 6995-26 Cherry Walnut HPL  
FINISH: Oiled Wood Finish  
INSTALL: Kitchen Casework  
PULL: CP-1

CP-1 (Cabinet Pull)  
MFG: Franklin Brass  
STYLE: Lombard P29521-SN-C Handle Pull  
FINISH: Satin Nickel  
SIZE: 3" O.C.

PLAM-2 (Plastic Laminate)  
MFG: Formica Brand Laminate  
COLOR: 7966-MC New Burgundy  
FINISH: MC MicroDot Texture  
INSTALL: Toilet Cubbies

PLAM-3 (Magnetic-Whiteboard Wall Panel)  
MFG: Formica Brand Laminate  
STYLE: M8202 Magnetic Dry-Erase Markerboard; Grid Points  
COLOR: White  
FINISH: 90 Gloss  
SIZE: 48"W x 96" x 0.038" Sheet  
FABRICATE: 16"W; Top edge equal to door height  
INSTALL: Wall-mount adjacent to dorm room door; bottom edge behind RB-1 Rubber Base; Sides and top ET-2 edge trim, miter corners; Refer to Elevation

# FINISH SCHEDULE

Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Casework	Accent	Remarks
101	WEST SOCIAL LOUNGE	CPT-2	RB	PNT-1	PNT-2		-	PNT-4 half-wall; QTZ-1 cap
101	WEST STUDY LOUNGE	CPT-2	RB	PNT-1	PNT-2		-	PNT-4 half-wall
106	LOBBY	CT-3	CT-3 BASE	PNT-1	PNT-2			
107	VESTIBULE	W-CPT	CT-3 BASE	PNT-4	PNT-2			
108	RA/L.R.	LVP-1	RB-1	PNT-1	PNT-2			
109	ADA BATH	CT-5; CT-6	CT-1 BASE	CT-1	PNT-2			
110	RA/BATH	CT-5	CT-1 BASE	CT-1	PNT-2			
111	RA/B.R.	LVP-1	RB-1	PNT-1	PNT-2			
112	JAN	CT-3	CT-3 BASE	PNT-1	PNT-2		-	
114	ACCESSIBLE BR							
120	CORRIDOR	CPT-1;LVP-1	RB-1	PNT-1	PNT-2		WP-1	WP-1 curved wall
123	EAST STUDY LOUNGE	CPT-3	RB-1	PNT-1	PNT-2		WP-2	
125	MECH	LVP-1	RB-1	PNT-1	PNT-2			
126	IT	LVP-1	RB-1	PNT-1	PNT-2			
128	CORRIDOR	CPT-1;LVP-1	RB-1	PNT-1	PNT-2		WP-1	WP-1 curved wall
130	TOILETS	CT-4;CT-5	CT-1 BASE	CT-1	PNT-2		CT-2	
131	KITCHEN	CT-7	RB-1	PNT-1	PNT-2	QTZ-1;PLAM-1	PNT-7	PNT-7 one (1) wall - East
132	TOILETS	CT-5	CT-1 BASE	CT-1	PNT-2		CT-2	CT-2 two walls
132	TOILETS	CT-4;CT-5	CT-1 BASE	CT-1	PNT-2		CT-2	
148	ADA BATH	CT-5;CT-6	CT-1 BASE	CT-1	PNT-2			
201	WEST SOCIAL LOUNGE	CPT-5	RB-1	PNT-1	PNT-2		PNT-5	PNT-4 half-wall; QTZ-1 cap
216	EAST STUDY LOUNGE	CPT-6	RB-1	PNT-1	PNT-2		WP-2	
218	MECH	LVP-1	RB-1	PNT-1	PNT-2			
219	JAN.	CT-3	CT-3 BASE	PNT-1	PNT-2			
221	CORRIDOR	CPT-4; LVP-1	RB-1	PNT-1	PNT-2			
222	CORRIDOR	CPT-4;LVP-1	RB-1	PNT-1	PNT-2		WP-1	WP-1 curved wall
223	BATH	CT-4;CT-5	CT-1 BASE	CT-1	PNT-2	PLAM-2	CT-2	CT-2 two walls
224	ENTRY	LVP-1	RB-1	PNT-1	PNT-2			
225	KITCHEN	CT-7	RB-1	PNT-1	PNT-2	QTZ-1;PLAM-1	PNT-7	PNT-7 one (1) wall - East
226	BATH	CT-4;CT-5	CT-1 BASE	CT-1	PNT-2	PLAM-2	CT-2	CT-2 two accent walls
227	TOILET	CT-5	CT-1 BASE	CT-1	PNT-2			
229	VESTIBULE	W-CPT	CT-1 BASE	PNT-4	PNT-2			
231	RA/L.R.	LVP-1	RB	PNT-1	PNT-2			
232	ADA BATH	CT-5; CT-6	CT-1 BASE	CT-1	PNT-2			
233	RA/BATH	CT-5	CT-1 BASE	CT-1	PNT-2			
234	RA/B.R.	LVP-1	RB	PNT-1	PNT-2			
235	JAN	CT-7	RB	PNT-1	PNT-2			
236	EAST STUDY LOUNGE	CPT-3	RB	PNT-1	PNT-2		WP-2	
237	MECH	TBD	RB	PNT-1	PNT-2			
238	IT	LVP-1	RB	PNT-1	PNT-2			
239	CORRIDOR	CPT-1;LVP-1	RB	PNT-1	PNT-2		WP-1	WP-1 curved wall
241	I.T.	LVP-1	RB-1	PNT-1	PNT-2			
245	TOILETS	CT-5	CT-1 BASE	CT-1	PNT-2		CT-2	CT-2 two walls
249	TOILETS	CT-4;CT-5	CT-1 BASE	CT-1	PNT-2			
301	WEST SOCIAL LOUNGE	CPT-8	RB-1	PNT-1	PNT-2		PNT-6	PNT-4 half-wall; QTZ-1 cap
316	EAST STUDY LOUNGE	CPT-9	RB-1	PNT-1	PNT-2		WP-2	
318	MECH	LVP-1	RB-1	PNT-1	PNT-2			
319	JAN.	CT-3	CT-3 BASE	PNT-1	PNT-2			
320	ADA BATH	CT-5	CT-1 BASE	CT-1	PNT-2			
321	CORRIDOR	CPT-7;LVP-1	RB-1	PNT-1	PNT-2		WP-1	WP-1 curved wall
322	CORRIDOR	CPT-7;LVP-1	RB-1	PNT-1	PNT-2			WP-1 curved wall
323	BATH	CT-4;CT-5	CT-1 BASE	CT-1	PNT-2	PLAM-2	CT-2	CT-2 two walls
324	ENTRY	LVP-1	RB-1	PNT-1	PNT-2			
325	KITCHEN	CT-7	RB-1	PNT-1	PNT-2	QTZ-1;PLAM-1	PNT-7	PNT-7 one (1) wall - East
326	BATH	CT-4;CT-5	CT-1 BASE	CT-1	PNT-2	PLAM-2	CT-2	CT-2 two walls
341	I.T.	LVP-1	RB-1	PNT-1	PNT-2			
B1	LOUNGE							
B1A	EXISTING							
B1B	EXISTING							
B2	KITCHEN							
B3	STORAGE							
B4	EXISTING							
B4A	EXISTING							
B4B	EXISTING							
B5	CORRIDOR							
B6	STORAGE							
B7	STORAGE							
B9	DRESSING							
B10	STORAGE							
B11	SHOWER							
B12	ELECTRICAL							
B13	CORRIDOR							
B14	MECHANICAL							
B15	TRASH							
B16	JAN.							
B17	LAUNDRY							
B18	EXISTING							
B18A	EXISTING							
B18B	EXISTING							
B19	STORAGE							
B20	WOMEN							
B21	MEN							
B22	VENDING							
B23	LOBBY							
B24	UNDRESSING							
B25	STORAGE							

Revisions		
No.	Date	Description



Crawford Hall Renovation  
**ROANOKE COLLEGE**  
221 College Lane  
Salem, Virginia



DRAWN BY: SG/KGG  
CHECKED BY: Checker

# INTERIOR FINISHES SPECS



COMMISSION No.  
**24028**  
SHEET  
**ID1-1**

# MANUFACTURER'S QUOTE CONTACT

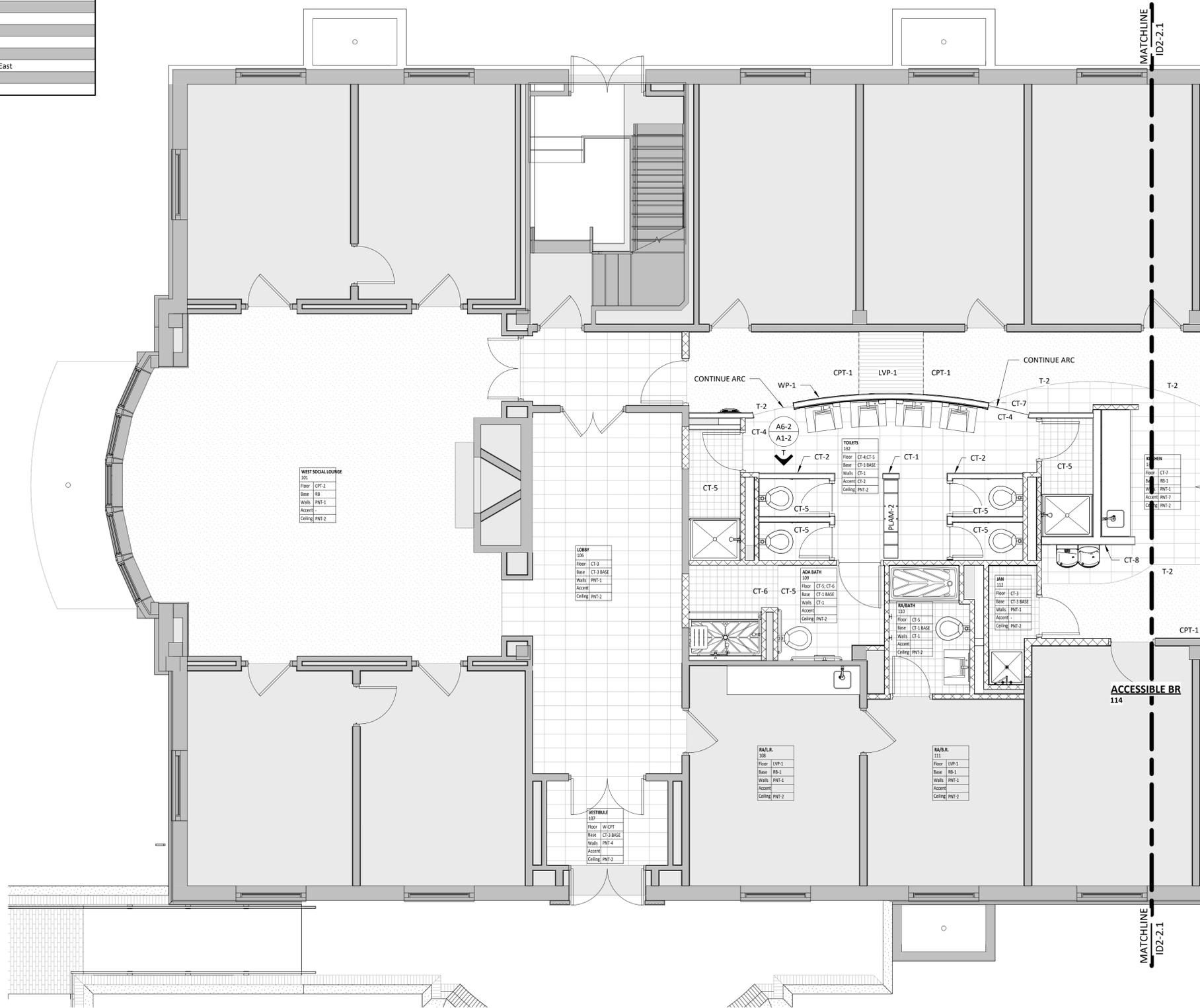
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# INTERIORS NEW WORK NOTES

- Interior finishing materials shall be installed in accordance with manufacturer's written instructions.
- T-2 transition strips: ceramic tile-to-carpet, and ceramic tile-to-LVP
- Other flooring material transitions: the manufacturer instructs that transition strips are not required for carpet-to-carpet transitions nor carpet-to-LVP transitions; ensure materials are clean cut, and abut evenly.
- RB-1: miter inside corners; back-miter outside corners; ensure adequate adhesive at corners and joints. Heat gun use required at corridor curved walls.
- CT-2 and CT-8, 3-dimensional wall tile: specified to install floor to ceiling, intention to use full tiles, minimal/no cuts; notify if field dimensions present difficulty; may add trims or base to alter fit.
- ET Edge Trims: coordinate with Architectural Details.

### FINISH SCHEDULE - 1ST FLOOR

Number	Location	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Casework	Accent	Remarks
101	WEST SOCIAL LOUNGE	CPT-2	RB	PNT-1	PNT-2		-	PNT-4 half-wall; QTZ-1 cap
101	WEST STUDY LOUNGE	CPT-2	RB	PNT-1	PNT-2		-	PNT-4 half-wall
106	LOBBY	CT-3	CT-3 BASE	PNT-1	PNT-2			
107	VESTIBULE	W-CPT	CT-3 BASE	PNT-4	PNT-2			
108	RA/L.R.	LVP-1	RB-1	PNT-1	PNT-2			
109	ADA BATH	CT-5; CT-6	CT-1 BASE	CT-1	PNT-2			
110	RA/BATH	CT-5	CT-1 BASE	CT-1	PNT-2			
111	RA/B.R.	LVP-1	RB-1	PNT-1	PNT-2			
112	JAN	CT-3	CT-3 BASE	PNT-1	PNT-2			
120	CORRIDOR	CPT-1;LVP-1	RB-1	PNT-1	PNT-2		WP-1	WP-1 curved wall
123	EAST STUDY LOUNGE	CPT-3	RB-1	PNT-1	PNT-2		WP-2	
125	MECH	LVP-1	RB-1	PNT-1	PNT-2			
126	IT	LVP-1	RB-1	PNT-1	PNT-2			
128	CORRIDOR	CPT-1;LVP-1	RB-1	PNT-1	PNT-2		WP-1	WP-1 curved wall
130	TOILETS	CT-4;CT-5	CT-1 BASE	CT-1	PNT-2		CT-2	
131	KITCHEN	CT-7	RB-1	PNT-1	PNT-2	QTZ-1;PLAM-1	PNT-7	PNT-7 one (1) wall - East
132	TOILETS	CT-5	CT-1 BASE	CT-1	PNT-2		CT-2	CT-2 two walls
132	TOILETS	CT-4;CT-5	CT-1 BASE	CT-1	PNT-2		CT-2	



**ID2-1.1**  
**A1-7** PARTIAL FIRST FLOOR FINISH PLAN - AREA 1  
 1/4" = 1'-0"

DATE: Dec.18, 2024

#### Revisions

No.	Date	Description

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PARTIAL FIRST FLOOR FINISH PLAN - AREA 1

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COMMISSION No. 24028  
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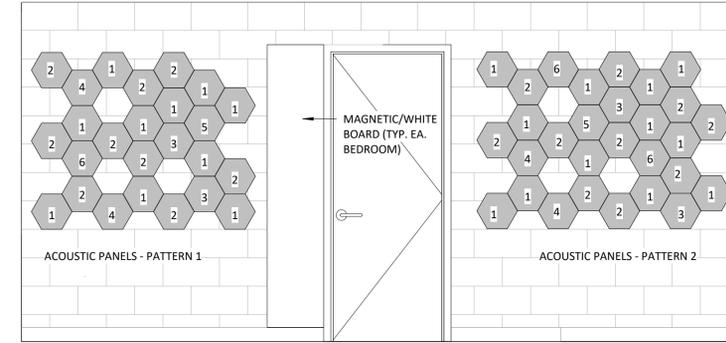
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### FINISH SCHEDULE - 1ST FLOOR

Number	Location	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Casework	Accent	Remarks
101	WEST SOCIAL LOUNGE	CPT-2	RB	PNT-1	PNT-2		-	PNT-4 half-wall; QTZ-1 cap
101	WEST STUDY LOUNGE	CPT-2	RB	PNT-1	PNT-2		-	PNT-4 half-wall
106	LOBBY	CT-3	CT-3 BASE	PNT-1	PNT-2			
107	VESTIBULE	W-CPT	CT-3 BASE	PNT-4	PNT-2			
108	RA/L.R.	LVP-1	RB-1	PNT-1	PNT-2			
109	ADA BATH	CT-5; CT-6	CT-1 BASE	CT-1	PNT-2			
110	RA/BATH	CT-5	CT-1 BASE	CT-1	PNT-2			
111	RA/B.R.	LVP-1	RB-1	PNT-1	PNT-2			
112	JAN	CT-3	CT-3 BASE	PNT-1	PNT-2			
120	CORRIDOR	CPT-1;LVP-1	RB-1	PNT-1	PNT-2		WP-1	WP-1 curved wall
123	EAST STUDY LOUNGE	CPT-3	RB-1	PNT-1	PNT-2		WP-2	
125	MECH	LVP-1	RB-1	PNT-1	PNT-2			
126	IT	LVP-1	RB-1	PNT-1	PNT-2			
128	CORRIDOR	CPT-1;LVP-1	RB-1	PNT-1	PNT-2		WP-1	WP-1 curved wall
130	TOILETS	CT-4;CT-5	CT-1 BASE	CT-1	PNT-2		CT-2	
131	KITCHEN	CT-7	RB-1	PNT-1	PNT-2	QTZ-1;PLAM-1	PNT-7	PNT-7 one (1) wall - East
132	TOILETS	CT-5	CT-1 BASE	CT-1	PNT-2		CT-2	CT-2 two walls
132	TOILETS	CT-4;CT-5	CT-1 BASE	CT-1	PNT-2		CT-2	

#### WP-1 COLOR KEY

- 1 SAND
- 2 ASH
- 3 SHADOW
- 4 CELESTIAL
- 5 TUSCAN
- 6 VERDE



ELEV. @ EAST STUDY LOUNGE ACOUST. PANELS - TYP.

1/2" = 1'-0"

DATE: Dec.18, 2024

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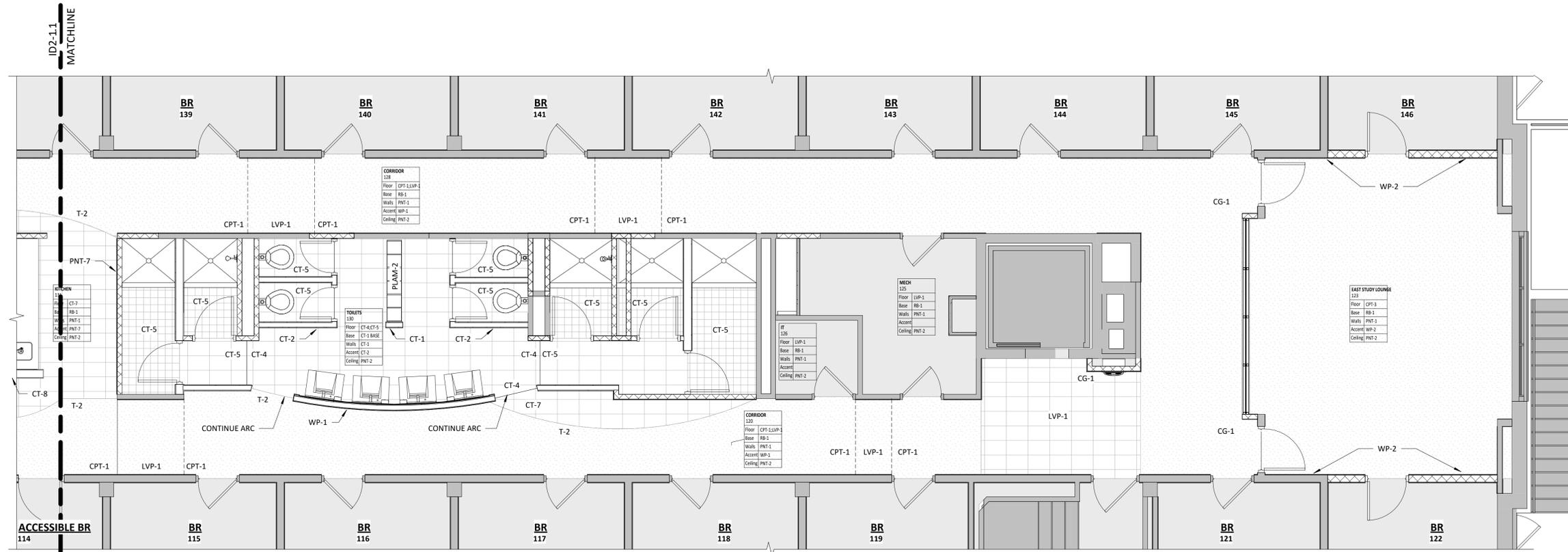
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PARTIAL FIRST FLOOR FINISH PLAN - AREA 2

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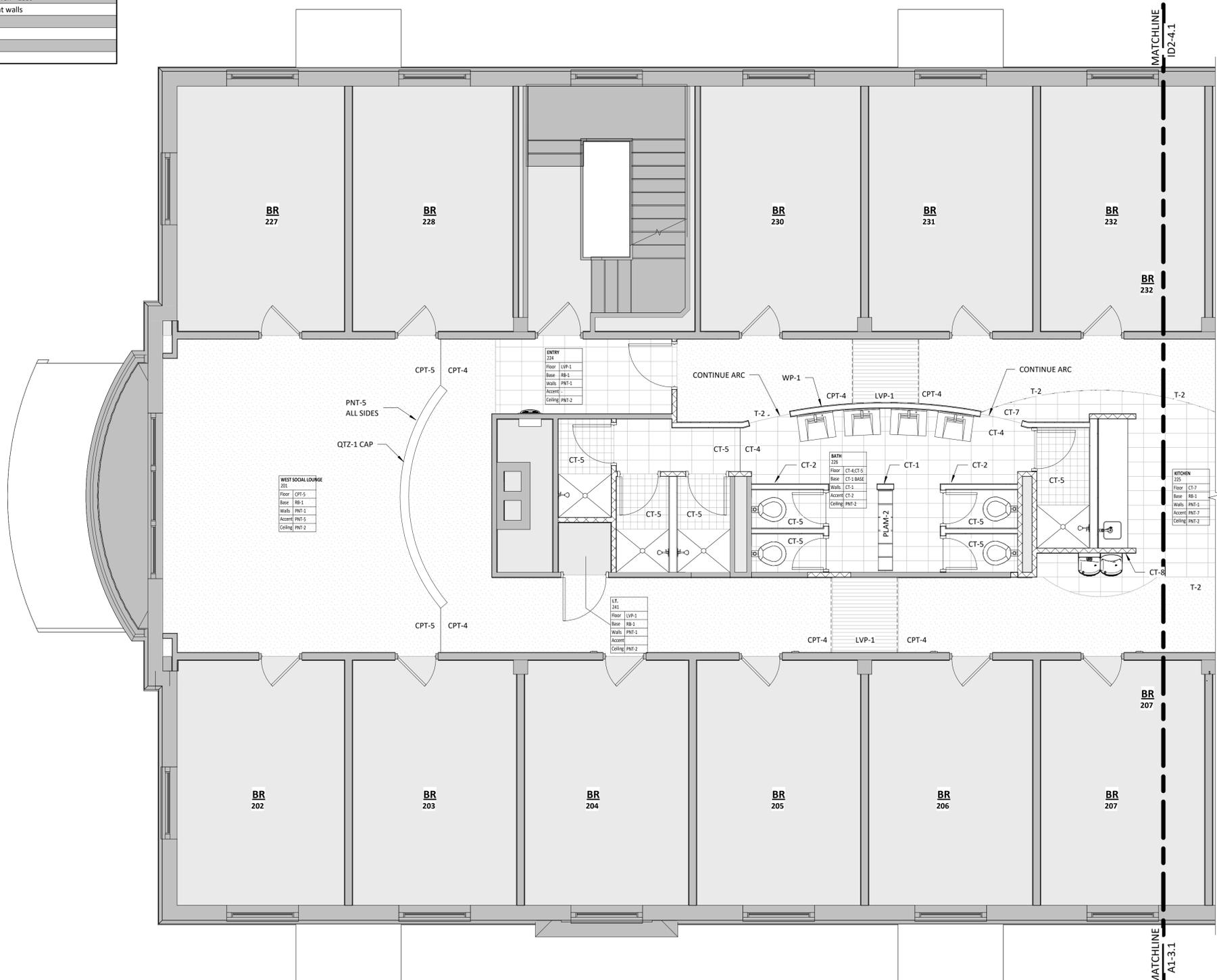
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1/4" = 1'-0"  
 PARTIAL FIRST FLOOR FINISH PLAN - AREA 2

### FINISH SCHEDULE - 2ND FLOOR

Location		Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Casework	Accent	Remarks
201	WEST SOCIAL LOUNGE	CPT-5	RB-1	PNT-1	PNT-2		PNT-5	PNT-4 half-wall; QTZ-1 cap
216	EAST STUDY LOUNGE	CPT-6	RB-1	PNT-1	PNT-2		WP-2	
218	MECH	LVP-1	RB-1	PNT-1	PNT-2		-	
219	JAN.	CT-3	CT-3 BASE	PNT-1	PNT-2		-	
220	ADA BATH	CT-5	CT-1 BASE	CT-1	PNT-2			
221	CORRIDOR	CPT-4; LVP-1	RB-1	PNT-1	PNT-2			
223	BATH	CT-4; CT-5	CT-1 BASE	CT-1	PNT-2	PLAM-2	CT-2	CT-2 two walls
224	ENTRY	LVP-1	RB-1	PNT-1	PNT-2		-	
225	KITCHEN	CT-7	RB-1	PNT-1	PNT-2	QTZ-1; PLAM-1	PNT-7	PNT-7 one (1) wall - East
226	BATH	CT-4; CT-5	CT-1 BASE	CT-1	PNT-2	PLAM-2	CT-2	CT-2 two accent walls
241	I.T.	LVP-1	RB-1	PNT-1	PNT-2			
246	TOILET	CT-5	CT-1 BASE	CT-1	PNT-2			
250	CORRIDOR	CPT-4; LVP-1	RB	PNT-1	PNT-2			
251	CORRIDOR	CPT-4; LVP-1	RB	PNT-1	PNT-2			



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PARTIAL SECOND FLOOR PLAN - FINISH - AREA 1

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ID2-3.1 PARTIAL SECOND FLOOR PLAN - FINISH - AREA 1  
 A3-1 1/4" = 1'-0"

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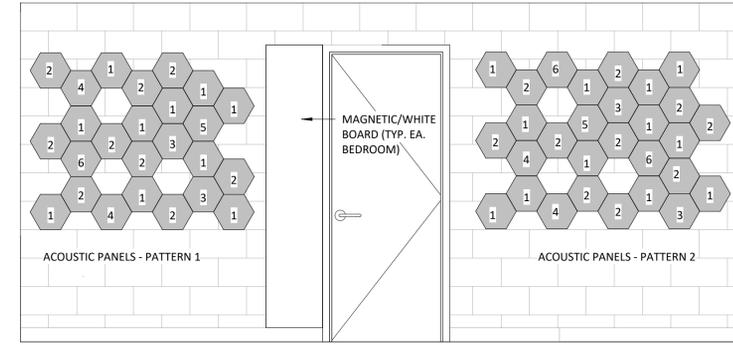
**PARTIAL SECOND FLOOR PLAN - FINISH - AREA 2**

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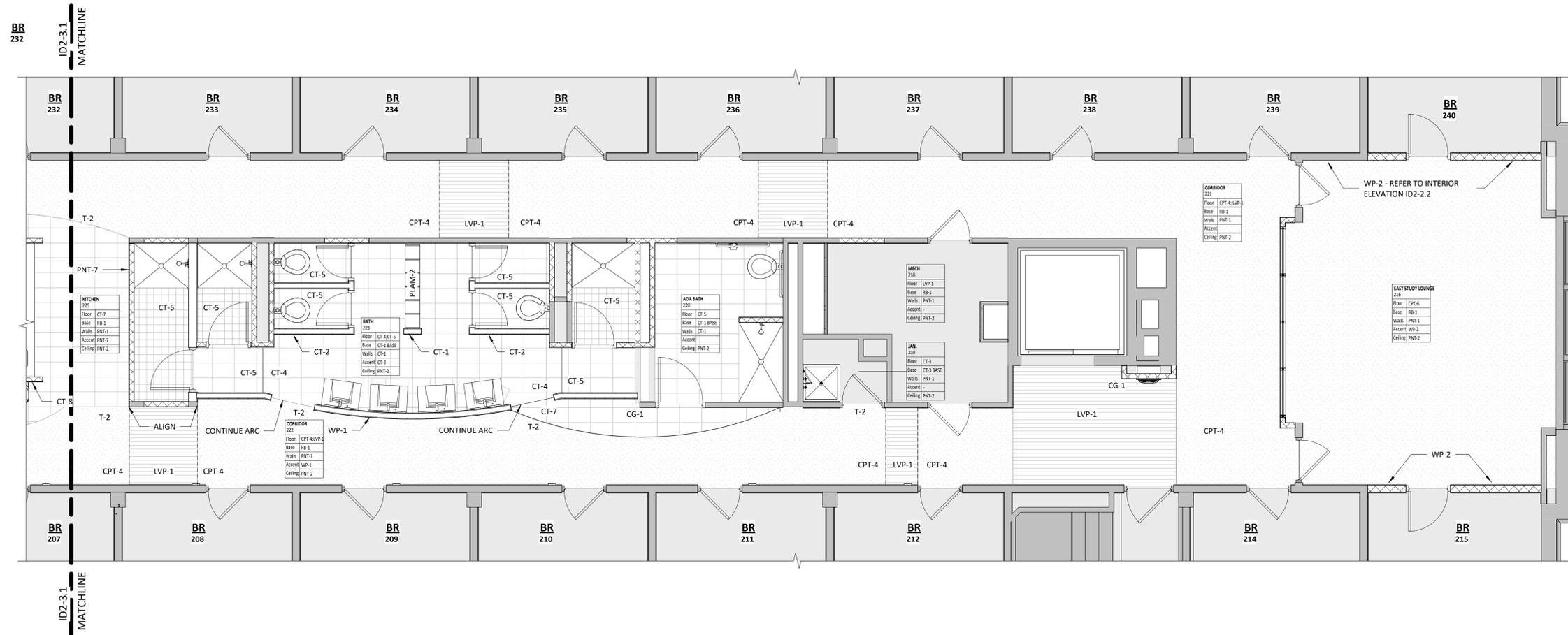
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**WP-1 COLOR KEY**

- 1 SAND
- 2 ASH
- 3 SHADOW
- 4 CELESTIAL
- 5 TUSCAN
- 6 VERDE



**ELEV. @ EAST STUDY LOUNGE ACOUST. PANELS - TYP.**  
 1/2" = 1'-0"



**ID2-4.1 PARTIAL SECOND FLOOR PLAN - FINISH - AREA 2**  
 A3-1 1/4" = 1'-0"

### FINISH SCHEDULE - 3RD FLOOR

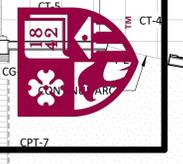
Number	Location	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Casework	Accent	Remarks
301	WEST SOCIAL LOUNGE	CPT-8	RB-1	PNT-1	PNT-2		PNT-6	PNT-4 half-wall, QTZ-1 cap
316	EAST STUDY LOUNGE	CPT-9	RB-1	PNT-1	PNT-2		WP-2	
318	MECH	LVP-1	RB-1	PNT-1	PNT-2			
319	JAN.	CT-3	CT-3 BASE	PNT-1	PNT-2			
320	ADA BATH	CT-5	CT-1 BASE	CT-1	PNT-2			
321	CORRIDOR	CPT-7; LVP-1	RB-1	PNT-1	PNT-2		WP-1	WP-1 curved wall
322	CORRIDOR	CPT-7; LVP-1	RB-1	PNT-1	PNT-2			WP-1 curved wall
323	BATH	CT-4; CT-5	CT-1 BASE	CT-1	PNT-2	PLAM-2	CT-2	CT-2 two walls
324	ENTRY	LVP-1	RB-1	PNT-1	PNT-2			
325	KITCHEN	CT-7	RB-1	PNT-1	PNT-2	QTZ-1; PLAM-1	PNT-7	PNT-7 one (1) wall - East
326	BATH	CT-4; CT-5	CT-1 BASE	CT-1	PNT-2	PLAM-2	CT-2	CT-2 two walls
341	I.T.	LVP-1	RB-1	PNT-1	PNT-2			

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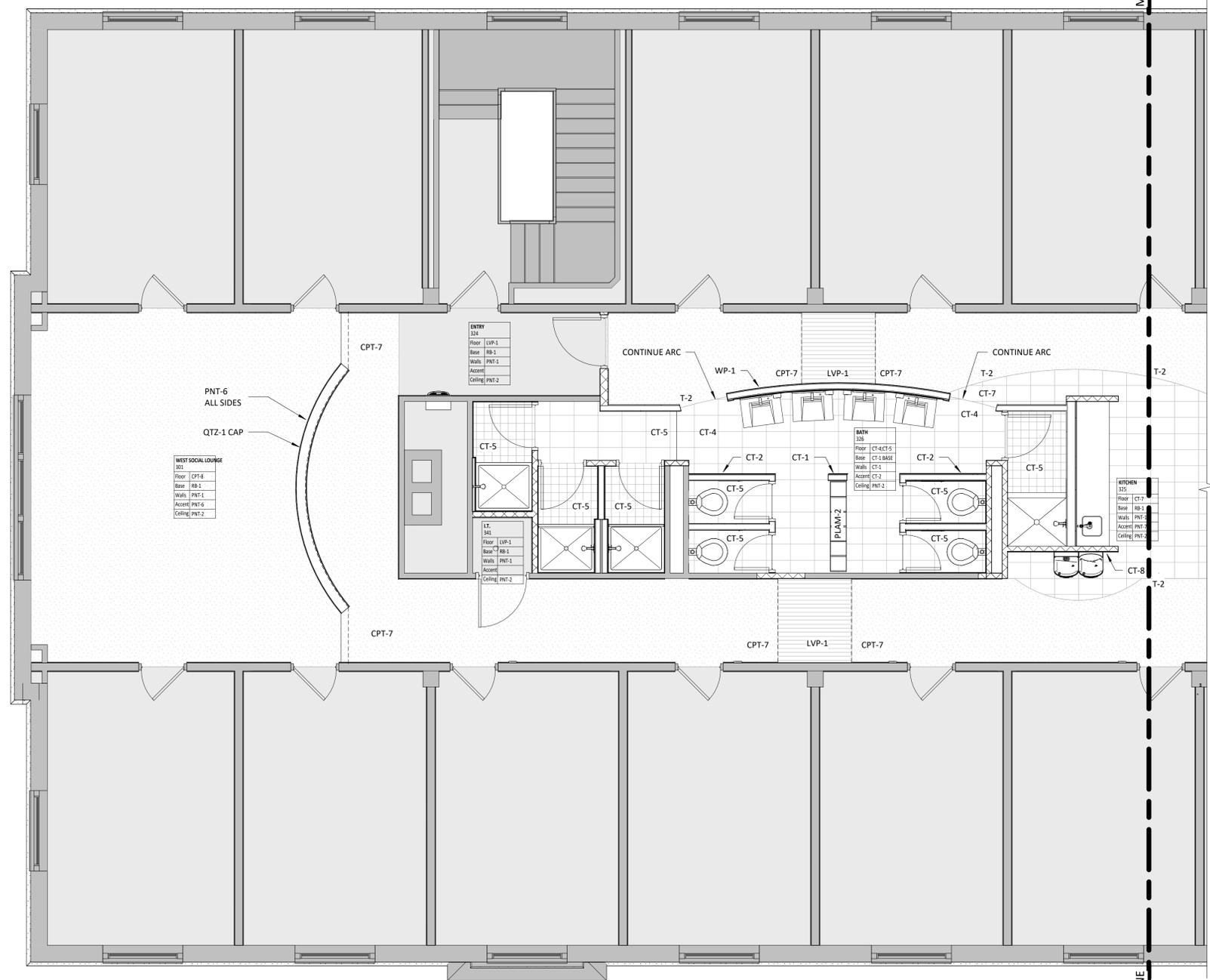


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**PARTIAL THIRD FLOOR PLAN - FINISH - AREA 1**

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**ID2-5.1 PARTIAL THIRD FLOOR PLAN - FINISH - AREA 1**  
 A3-1 1/4" = 1'-0"

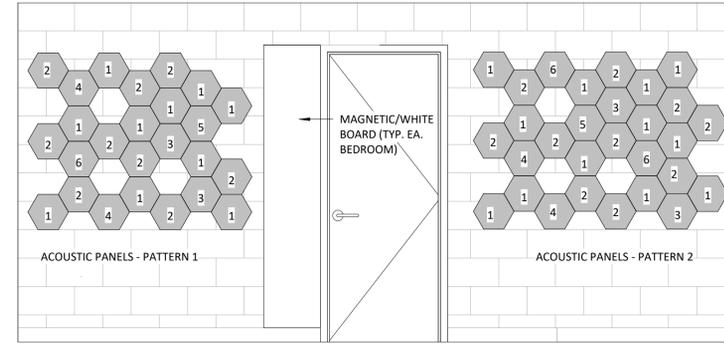
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### FINISH SCHEDULE - 3RD FLOOR

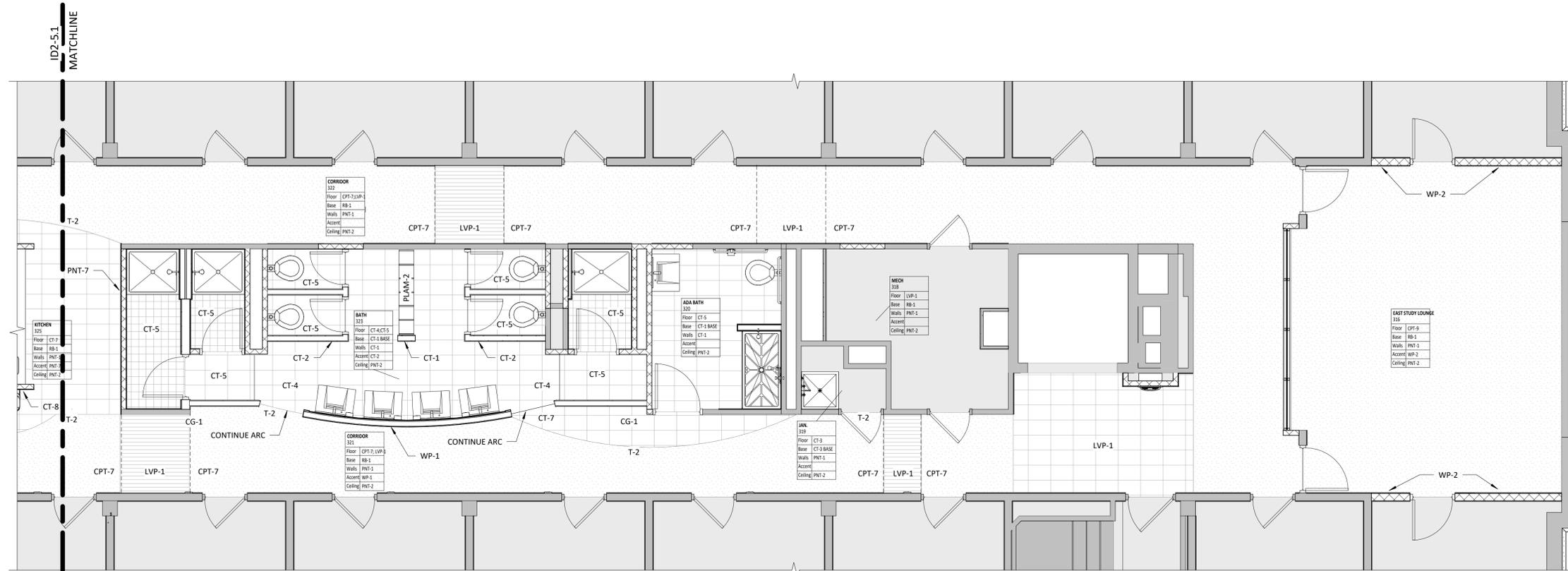
Number	Location	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Casework	Accent	Remarks
301	WEST SOCIAL LOUNGE	CPT-8	RB-1	PNT-1	PNT-2		PNT-6	PNT-4 half-wall; QTZ-1 cap
316	EAST STUDY LOUNGE	CPT-9	RB-1	PNT-1	PNT-2		WP-2	
318	MECH	LVP-1	RB-1	PNT-1	PNT-2			
319	JAN.	CT-3	CT-3 BASE	PNT-1	PNT-2			
320	ADA BATH	CT-5	CT-1 BASE	CT-1	PNT-2			
321	CORRIDOR	CPT-7; LVP-1	RB-1	PNT-1	PNT-2		WP-1	WP-1 curved wall
322	CORRIDOR	CPT-7; LVP-1	RB-1	PNT-1	PNT-2			WP-1 curved wall
323	BATH	CT-4; CT-5	CT-1 BASE	CT-1	PNT-2	PLAM-2	CT-2	CT-2 two walls
324	ENTRY	LVP-1	RB-1	PNT-1	PNT-2			
325	KITCHEN	CT-7	RB-1	PNT-1	PNT-2	QTZ-1; PLAM-1	PNT-7	PNT-7 one (1) wall - East
326	BATH	CT-4; CT-5	CT-1 BASE	CT-1	PNT-2	PLAM-2	CT-2	CT-2 two walls
341	I.T.	LVP-1	RB-1	PNT-1	PNT-2			

#### WP-1 COLOR KEY

- 1 SAND
- 2 ASH
- 3 SHADOW
- 4 CELESTIAL
- 5 TUSCAN
- 6 VERDE



ID2-61 ELEV. @ EAST STUDY LOUNGE ACOUST. PANELS - TYP.  
1/2" = 1'-0"



ID2-6.1 PARTIAL THIRD FLOOR PLAN - FINISH - AREA 2  
A3-1 1/4" = 1'-0"

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PARTIAL  
THIRD  
FLOOR PLAN  
- FINISH -  
AREA 2

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1	01-21-25	ADDENDUM 001

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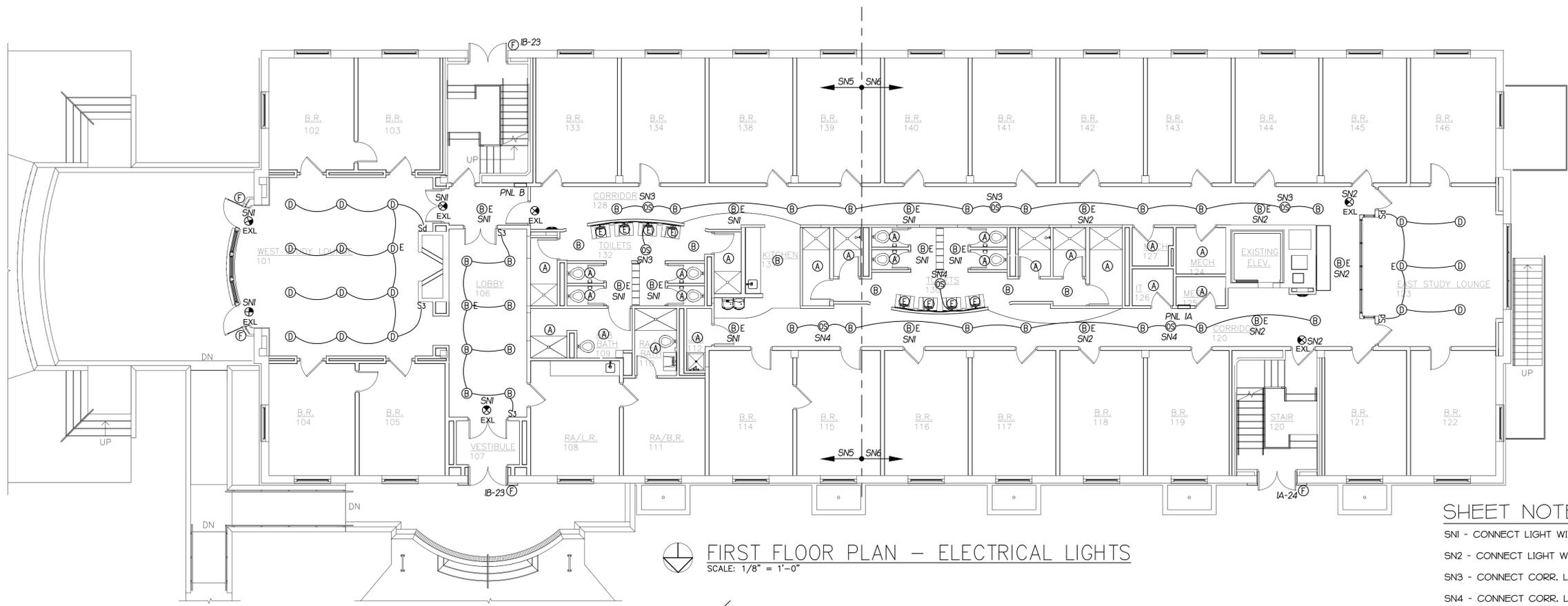
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**BASEMENT AND FIRST FLOOR PLANS - ELECTRICAL LIGHTING**

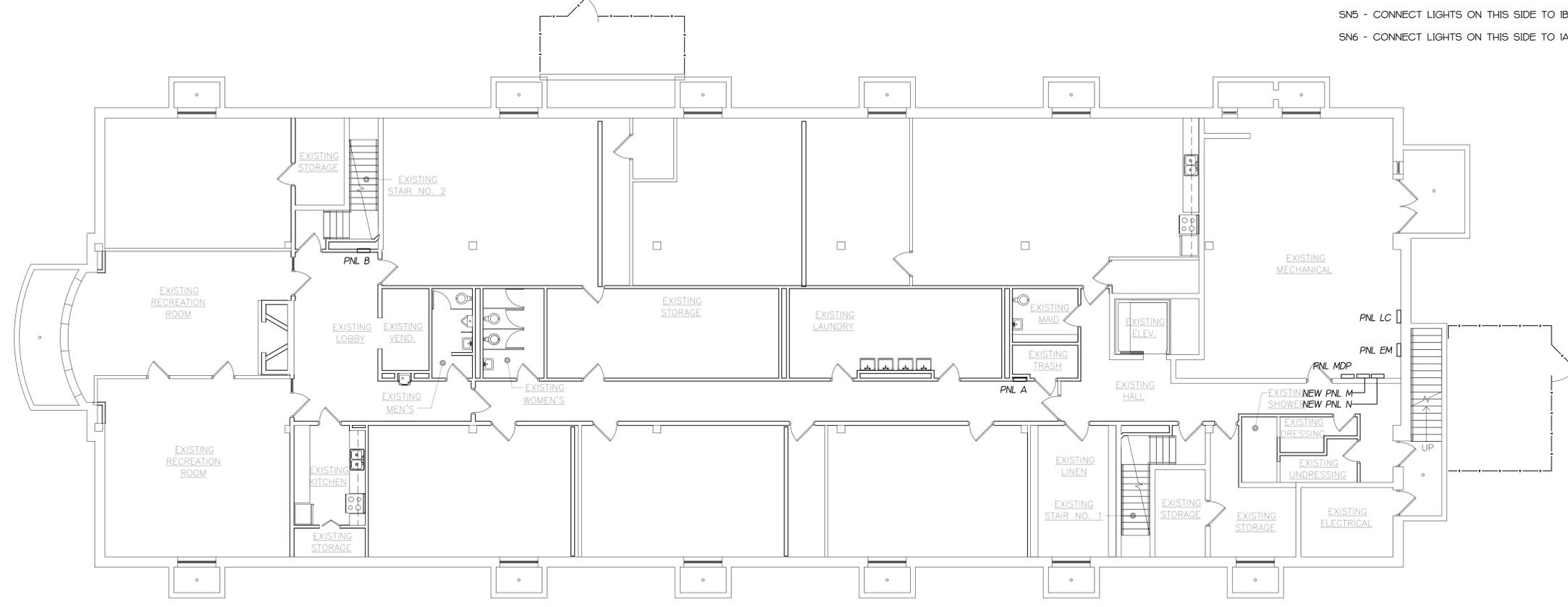
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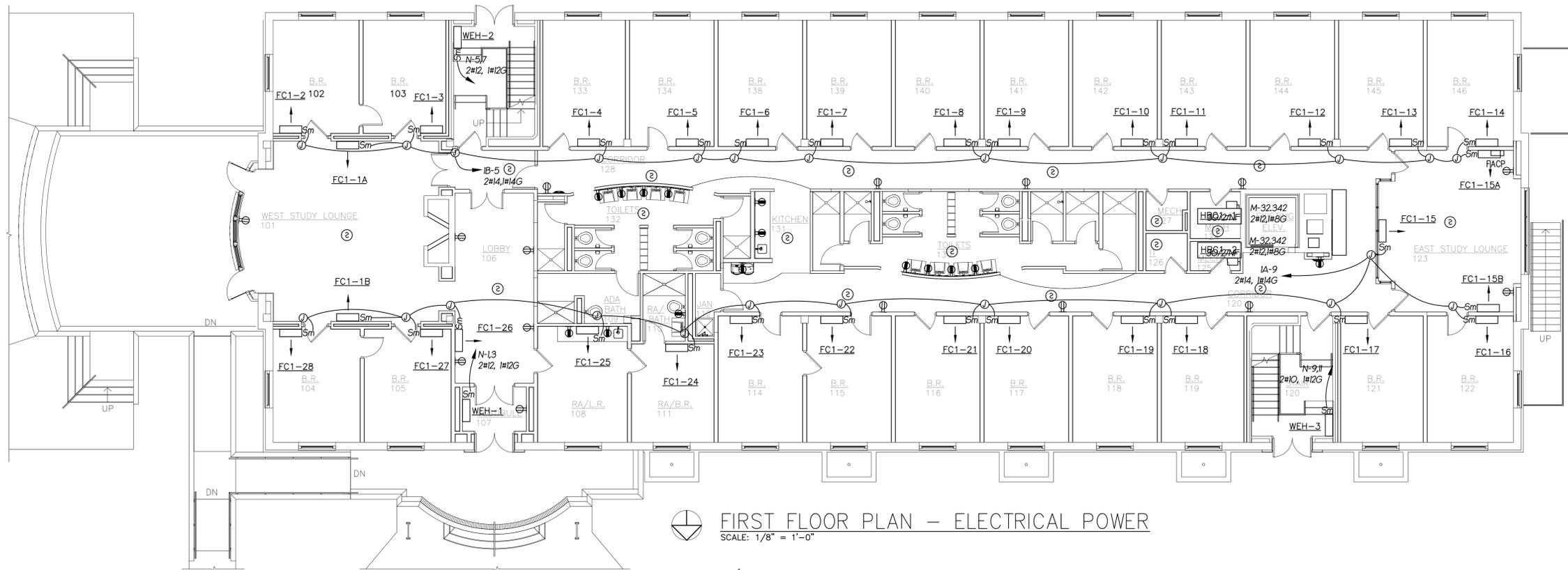
**FIRST FLOOR PLAN - ELECTRICAL LIGHTS**  
SCALE: 1/8" = 1'-0"

- SHEET NOTES:**
- SN1 - CONNECT LIGHT WITH EM BALLAST TO CIRCUIT IB-22
  - SN2 - CONNECT LIGHT WITH EM BALLAST TO CIRCUIT IA-22
  - SN3 - CONNECT CORR. LTS & OCCUPANCY SENSOR TO CIRCUIT IB-23
  - SN4 - CONNECT CORR. LTS & OCCUPANCY SENSOR TO CIRCUIT IA-24
  - SN5 - CONNECT LIGHTS ON THIS SIDE TO IB-4 UNLESS NOTED OTHERWISE.
  - SN6 - CONNECT LIGHTS ON THIS SIDE TO IA-7 UNLESS NOTED OTHERWISE.

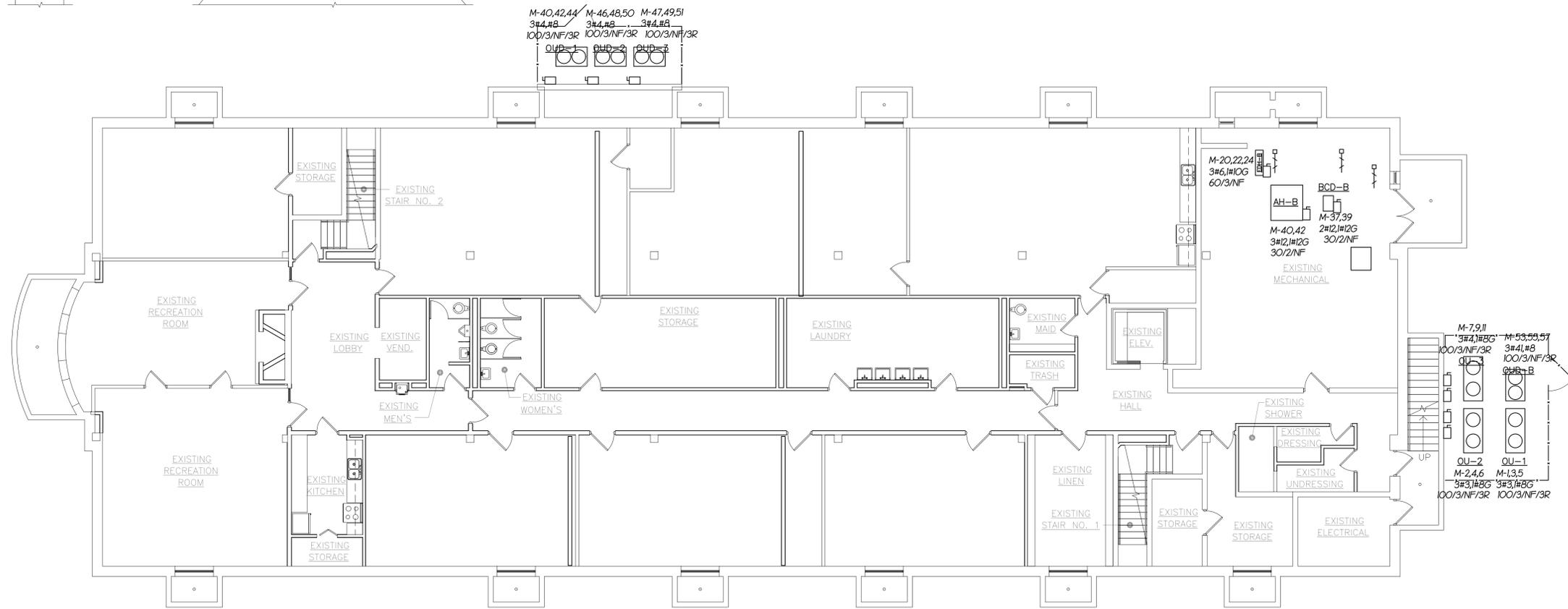


**BASEMENT FLOOR PLAN - ELECTRICAL LIGHTS**  
SCALE: 1/8" = 1'-0"

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No.	Date	Description
1	01-21-25	ADDENDUM 001



FIRST FLOOR PLAN - ELECTRICAL POWER  
SCALE: 1/8" = 1'-0"



BASEMENT FLOOR PLAN - ELECTRICAL POWER  
SCALE: 1/8" = 1'-0"

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BASEMENT AND FIRST FLOOR PLANS - ELECTRICAL POWER

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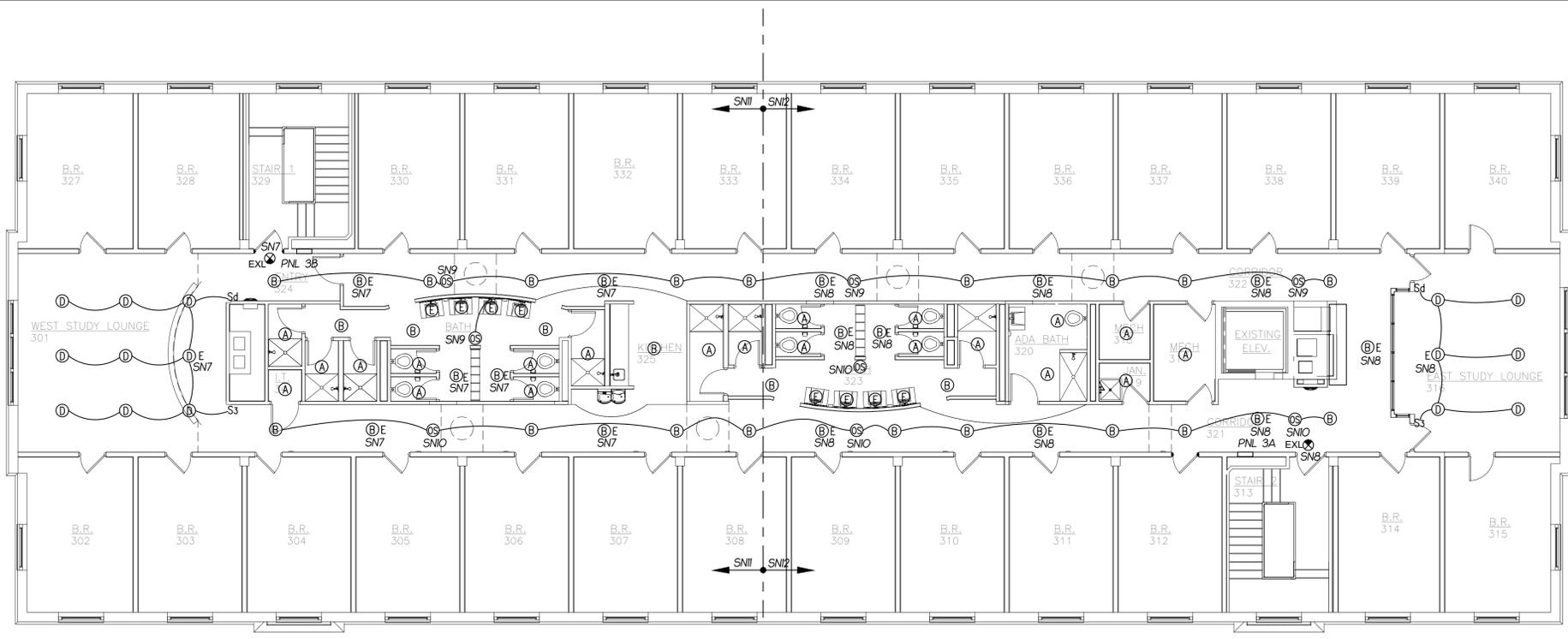
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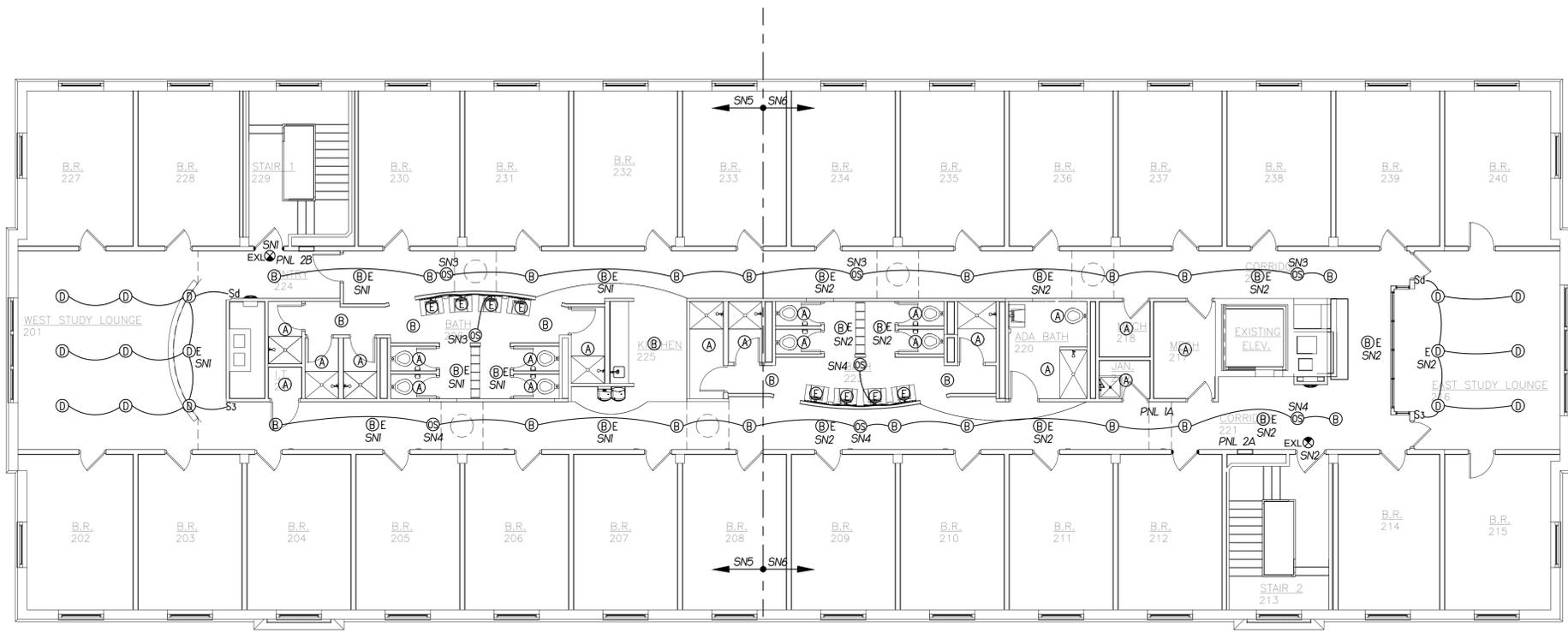
**SECOND AND THIRD FLOOR PLANS - ELECTRICAL LIGHTING**

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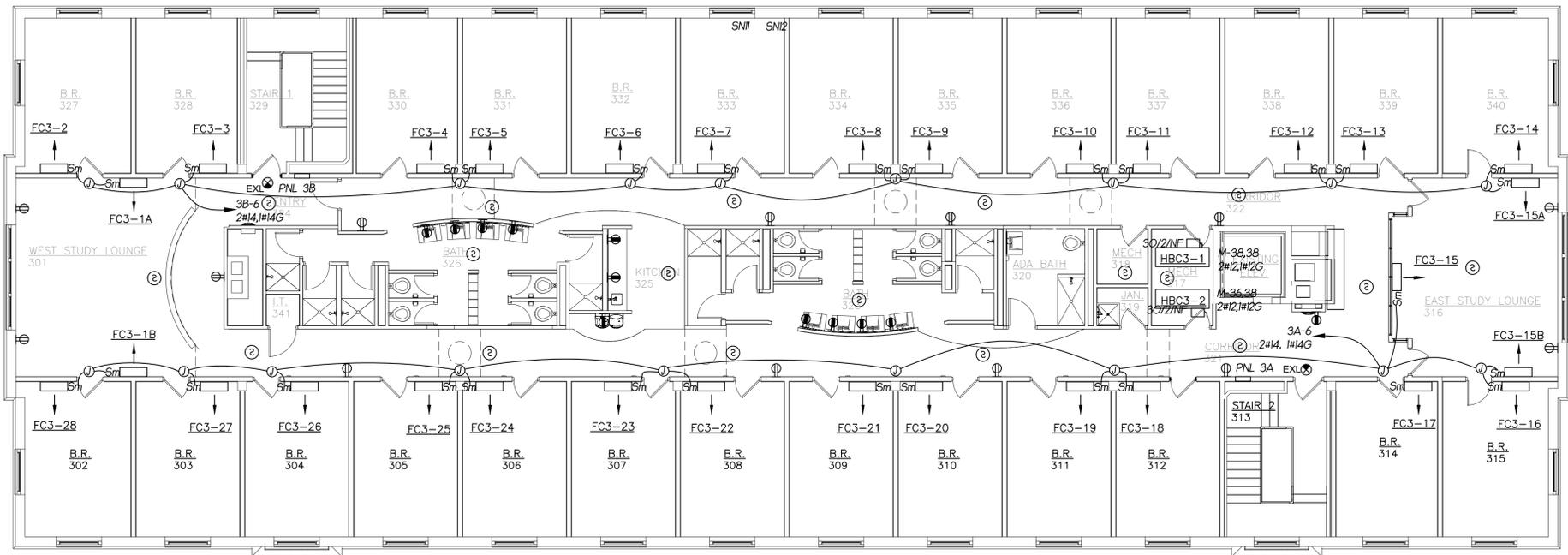
**THIRD FLOOR PLAN - ELECTRICAL LIGHTS**  
SCALE: 1/8" = 1'-0"



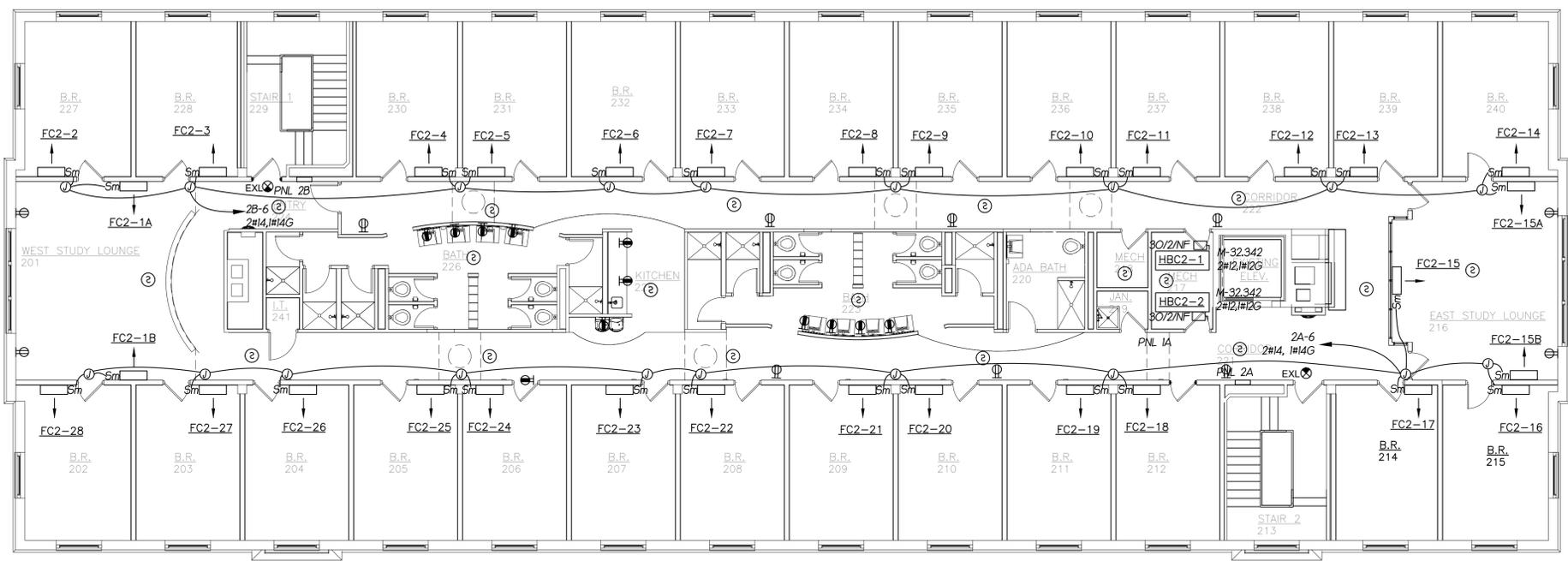
**SECOND FLOOR PLAN - ELECTRICAL LIGHTS**  
SCALE: 1/8" = 1'-0"

- SHEET NOTES:**
- SN1 - CONNECT LIGHT WITH EM BALLAST TO CIRCUIT 2B-25
  - SN2 - CONNECT LIGHT WITH EM BALLAST TO CIRCUIT 2A-27
  - SN3 - CONNECT CORR. LTS & OCCUPANCY SENSOR TO CIRCUIT 2B-23
  - SN4 - CONNECT CORR. LTS & OCCUPANCY SENSOR TO CIRCUIT 2A-25
  - SN5 - CONNECT LIGHTS ON THIS SIDE TO 2B-24 UNLESS NOTED OTHERWISE.
  - SN6 - CONNECT LIGHTS ON THIS SIDE TO 2A-8 UNLESS NOTED OTHERWISE.
  - SN7 - CONNECT LIGHT WITH EM BALLAST TO CIRCUIT 3B-27
  - SN8 - CONNECT LIGHT WITH EM BALLAST TO CIRCUIT 3A-32
  - SN9 - CONNECT CORR. LTS & OCCUPANCY SENSOR TO CIRCUIT 3B-25
  - SN10 - CONNECT CORR. LTS & OCCUPANCY SENSOR TO CIRCUIT 3A-34
  - SN11 - CONNECT LIGHTS ON THIS SIDE TO 3B-8 UNLESS NOTED OTHERWISE.
  - SN12 - CONNECT LIGHTS ON THIS SIDE TO 3A-8 UNLESS NOTED OTHERWISE.

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No.	Date	Description
1	01-21-25	ADDENDUM 001



**THIRD FLOOR PLAN - ELECTRICAL POWER**  
SCALE: 1/8" = 1'-0"



**SECOND FLOOR PLAN - ELECTRICAL POWER**  
SCALE: 1/8" = 1'-0"

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**SECOND AND THIRD FLOOR PLANS - ELECTRICAL POWER**

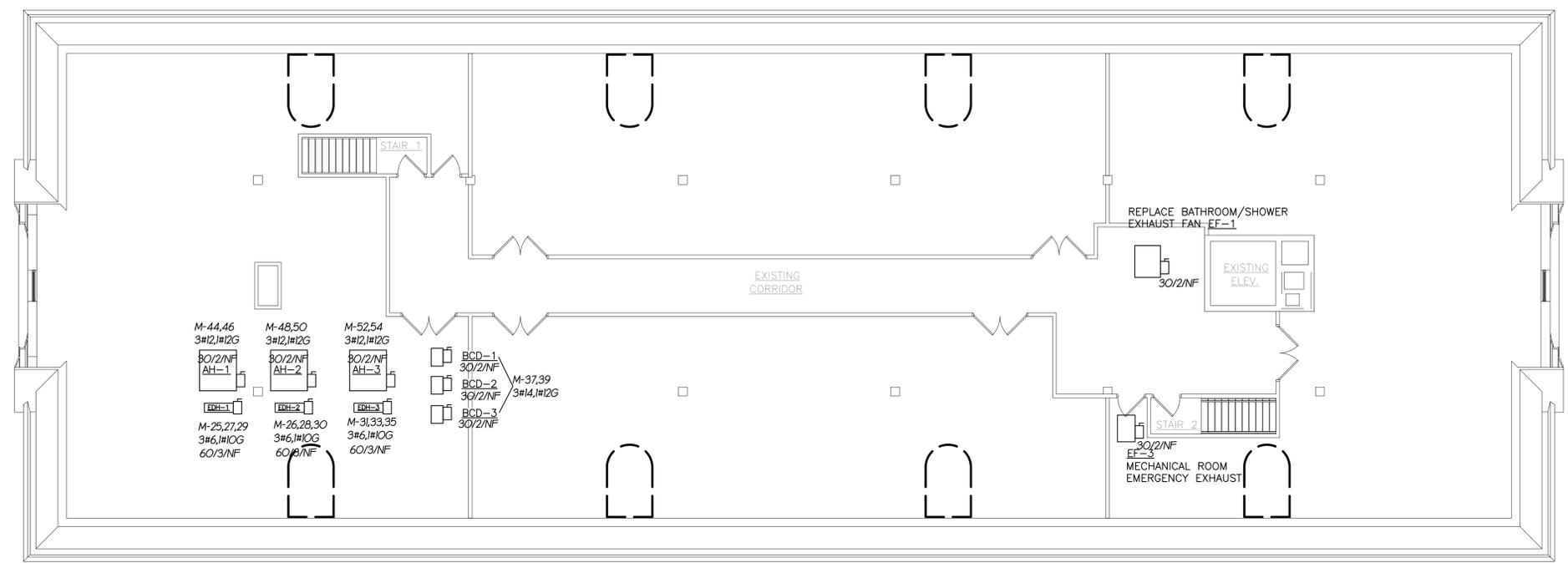
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COMMISSION No.  
**24028**  
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**E1-4**

Revisions		
No.	Date	Description
1	01-21-25	ADDENDUM 001

LIGHT FIXTURE SCHEDULE				
MARK	DESCRIPTION	LAMP	MOUNTING	BASIS OF DESIGN
A	6" SURFACE MOUNT LED LIGHT W/MOTION SENSOR	LED	CEILING	JUNO JSBT 6IN SWW2 90CRI PIR MW M6
B	4" RECESSED LED DOWNLIGHT	LED	CEILING	JUNO WF4 SWWS 90CRI MW
C	6" RECESSED LED DOWNLIGHT	LED	CEILING	JUNO WF6 SWWS 90CRI MW
D	8" RECESSED LED DOWNLIGHT	LED	CEILING	JUNO WF8 SWWS 90CRI MW
E	24" LED VANITY LIGHT	LED	WALL	AFX BARV2403L30D1SN
F	SMALL LED WALLPACK WITH EM BALLAST	LED	WALL	LITHONIA WPX1 LED P240K MVOLT E4WH DDBXD
G				
H				
EXL	EXIT LIGHT	LED	CEILING/WALL	LITHONIA ECBR

NOTE:  
FIXTURE WITH "E" ARE TO HAVE EMERGENCY BATTERY



ATTIC FLOOR PLAN – ELECTRICAL  
SCALE: 1/8" = 1'-0"

DRAWN BY: WBB  
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ATTIC PLAN - ELECTRICAL

**CARBO, INC.**  
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Crawford Hall Renovation  
**Roanoke College**  
221 College Lane  
Salem, Virginia

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ONE LINE DIAGRAM

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### PANEL SCHEDULE

ALL 120/208 V. 3φ, 4W.

PANEL	MAINS	BRANCHES	CIRCUITS			MISC.
			ACTIVE	SPARE	TOT.	
3A	225A MLO	20A. 1P. CIRC. BKR. 15A. 3P. CIRC. BKR.	23 1	6 0	29 1	+10 SPACES SF1
3B	225A MLO	20A. 1P. CIRC. BKR. 15A. 3P. CIRC. BKR.	34 1	5 0	39 1	EF1
2A	225A MLO	20A. 1P. CIRC. BKR.	21	3	24	
2B	225A MLO	20A. 1P. CIRC. BKR.	32	6	38	
1A	225A MLO	20A. 1P. CIRC. BKR.	30	4	34	
1B	225A MLO	20A. 1P. CIRC. BKR. 50A. 2P. CIRC. BKR.	16 2	6 0	22 2	RANGE & UNIT KITCHEN
A	225A MLO	20A. 1P. CIRC. BKR. 40A. 2P. CIRC. BKR.	18 5	10 0	28 5	+4 SPACES
B	225A MLO	20A. 1P. CIRC. BKR. 50A. 2P. CIRC. BKR.	17 1	7 0	24 1	+10 SPACES RANGE
LC	100A MLO	20A. 1P. CIRC. BKR. 15A. 3P. CIRC. BKR.	4 2	4 0	8 2	+8 SPACES
EM	100A MLO	20A. 1P. CIRC. BKR.	16	6	22	
MDP	800A MCB	200 A TRIP 200 A TRIP 200 A TRIP 70 A TRIP 100 A TRIP	1 1 1 1 1	0 0 0 0 0	1 1 1 1 1	PANEL "B" PANEL "A" PANEL "IA" PANEL "IB" PANEL "LC" ELEVATOR

EXISTING ONE LINE DIAGRAM  
NOT TO SCALE

#### NEW PANEL M

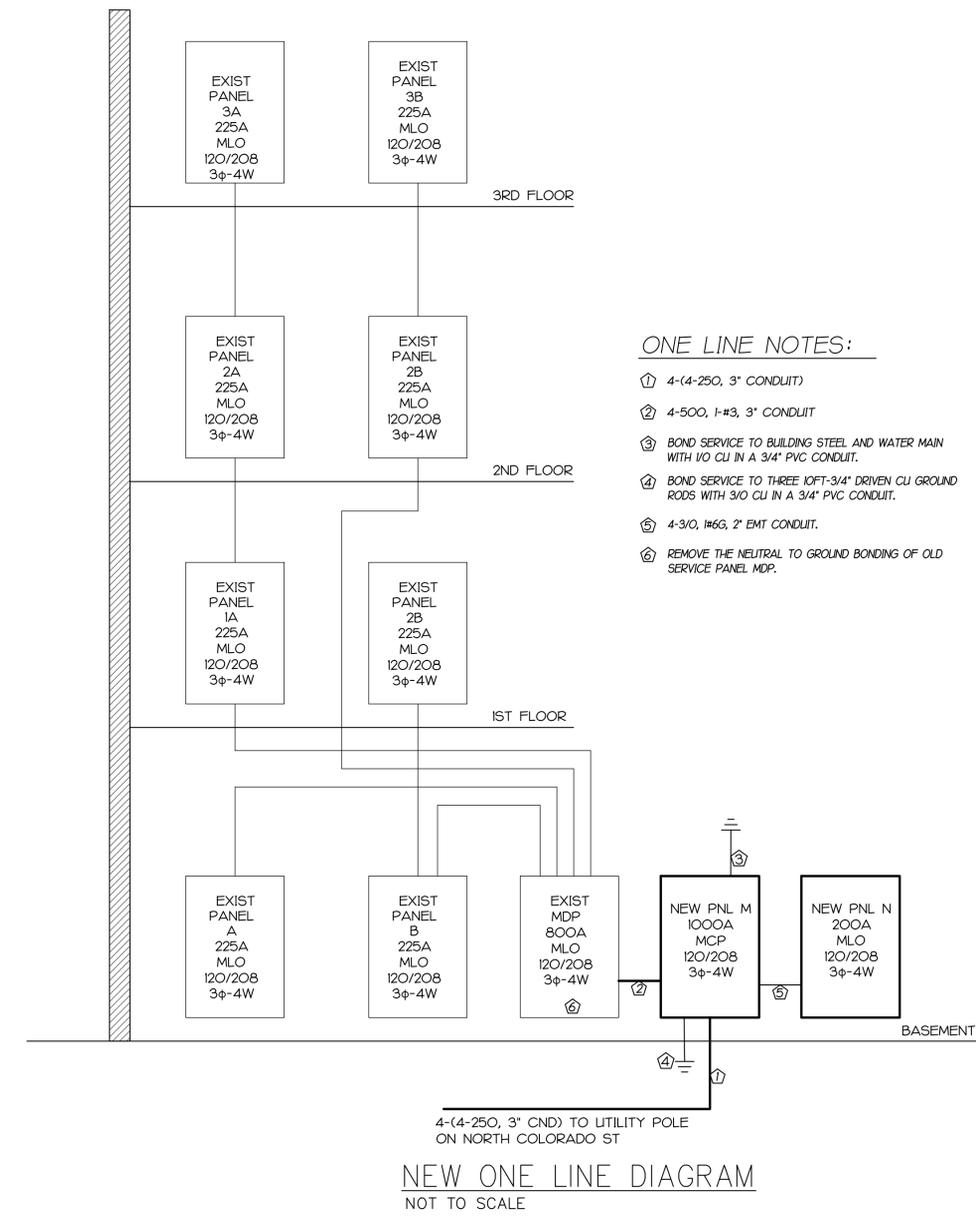
120/208 VOLT 3 PHASE 4 WIRE      1000 AMP MCP 42 KAIC. SE RATED COPPER BUS      SQUARE D I-LINE SURFACE MOUNTED NEMA 1

CRK	BRK	DESCRIPTION	WIRE SIZE	VA LOAD	VA LOAD	WIRE SIZE	DESCRIPTION	BRK	CRK
1			3	5572	5572	3			2
3	90/3	FIRST FLOOR OU-1	3	5572	5572	3	SECOND FLOOR OU-2	90/3	4
5			3	5572	5572	3			6
7			3	5572	4131	4			8
9	90/3	THIRD FLOOR OU-3	3	5572	4131	4	BASEMENT DOAS OUD-1	70/3	10
11			3	5572	4131	4			12
13			4	4131	4131	4			14
15	70/3	FIRST FLOOR DOAS ODU-2	4	4131	4131	4	SECOND FLOOR DOAS ODU-3	70/3	16
17			4	4131	4131	4			18
19			4	4131	5000	6			20
21	70/3	THIRD FLOOR DOAS ODU-3	4	4131	5000	6	ELECTRIC DUCT HEATER EDH-B	60/3	22
23			4	4131	5000	6			24
25			6	5000	5000	6			26
27	60/3	ELECTRIC DUCT HEATER EDH-1	6	5000	5000	6	ELECTRIC DUCT HEATER EDH-2	60/3	28
29			6	5000	5000	6			30
31			6	5000	1259	14	BC CONTROLLERS HBC1-1, 2 HBC2-1, 2	15/2	32
33	60/3	ELECTRIC DUCT HEATER EDH-3	6	5000	1259	14			34
35			6	5000	395	14	BC CONTROLLERS HBC3-1, 2	15/2	36
37	15/2	BC CONTROLLERS BCD-B, -1, -2, -3	14	250	395	14			38
39			14	250	298	14	AH-B	15/2	40
41			500		298	14			42
43	400/3	OLD PANEL MDP	500		298	14	AH-1	15/2	44
45			500		298	14			46
47			3/0		298	14	AH-2	15/2	48
49	200/3	PANEL N	3/0		298	14			50
51			3/0		298	14	AH-3	15/2	52
53					298	14			54
55		SPACE (200AF)					SPACE (200AF)		56
57									58
59									60

#### NEW PANEL N

120/208 VOLT 3 PHASE 4 WIRE      200 AMP MLO 22 KAIC. COPPER BUS      SQUARE NQ SURFACE MOUNTED NEMA 1

CRK	BRK	DESCRIPTION	WIRE SIZE	VA LOAD	VA LOAD	WIRE SIZE	DESCRIPTION	BRK	CRK
1	20/2	WALL HEATER WH-1	12	1123			SPACE	20	2
3			12	1123			SPACE	20	4
5	30/2	WALL HEATER WH-2	10	2000			SPACE	20	6
7			10	2000			SPACE	20	8
9	30/2	WALL HEATER WH-3	10	2000			SPACE	20	10
11			10	2000			SPACE	20	12
13	20	SPARE					SPACE	20	14
15	20	SPARE					SPACE	20	16
17	20	SPARE					SPACE	20	18
19	20	SPARE					SPACE	20	20
21	20	SPARE					SPACE	20	22
23	20	SPARE					SPACE	20	24
25		SPACE					SPACE		26
27		SPACE					SPACE		28
29		SPACE					SPACE		30
31		SPACE					SPACE		32
33		SPACE					SPACE		34
35		SPACE					SPACE		36
37		SPACE					SPACE		38
39		SPACE					SPACE		40
41		SPACE					SPACE		42



- ONE LINE NOTES:
- ① 4-(4-250, 3" CONDUIT)
  - ② 4-500, 1-#3, 3" CONDUIT
  - ③ BOND SERVICE TO BUILDING STEEL AND WATER MAIN WITH 1/0 CU IN A 3/4" PVC CONDUIT.
  - ④ BOND SERVICE TO THREE 10FT-3/4" DRIVEN CU GROUND RODS WITH 3/0 CU IN A 3/4" PVC CONDUIT.
  - ⑤ 4-3/0, 1#6G, 2" EMT CONDUIT.
  - ⑥ REMOVE THE NEUTRAL TO GROUND BONDING OF OLD SERVICE PANEL MDP.

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Crawford Hall Renovation  
**Roanoke College**  
 221 College Lane  
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**SPECIFICATION**

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**ELECTRICAL SPECIFICATIONS**

**GENERAL:**  
 THESE SPECIFICATIONS DEFINE THE BASIC REQUIREMENTS FOR THE ELECTRICAL INSTALLATION.

THE SPECIFICATIONS ARE INTENDED TO CONVEY THE SCOPE OF WORK AND TO INDICATE THE GENERAL REQUIREMENTS FOR THE EQUIPMENT AND ITS INSTALLATION. THE CONTRACTOR SHALL PROVIDE QUALIFIED SUPERVISION, LABOR, EQUIPMENT, MATERIALS AND OTHER ITEMS NECESSARY FOR A SAFE, COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM WHETHER OR NOT ALL INCIDENTAL MATERIAL OR EQUIPMENT IS INDICATED HEREIN.

PROJECT ARCHITECTURAL, SITE, ELECTRICAL, PLUMBING AND HVAC SPECIFICATIONS AND DRAWINGS SHALL BE EXAMINED BY THE CONTRACTOR, TO DETERMINE ELECTRICAL SYSTEMS INTERFACE AND CONDITIONS WHICH COULD CAUSE INTERFERENCE OR DEVIATIONS IN EQUIPMENT LOCATIONS OR ROUTING.

VERIFY ALL DIMENSION BY FIELD MEASUREMENTS. DO NOT SCALE DIMENSIONS FROM DRAWINGS.

WHEREVER THE WORD "PROVIDE" IS USED IN THESE SPECIFICATIONS OR ON THE DRAWINGS IT SHALL MEAN "THE CONTRACTOR IS TO PROVIDE AND INSTALL COMPLETE AND READY FOR INTENDED USE BY THE OWNER". THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL DETAILS NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM. THE CONTRACTOR (ELECTRICAL CONTRACTOR) SHALL PROVIDE ALL ITEMS REQUIRED FOR COMPLETE AND FUNCTIONAL SYSTEMS.

ITEMS OF WORK SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THESE SPECIFICATIONS OR ITEMS OF WORK CALLED FOR IN THE SPECIFICATIONS BUT NOT SHOWN ON THE DRAWINGS SHALL BE CONSIDERED AS BEING SHOWN ON THE PLANS AND SPELLED OUT IN THE SPECIFICATIONS.

**REGULATIONS AND ORDINANCES:**  
 ALL ELECTRICAL WORK SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF A LICENSED VIRGINIA MASTER ELECTRICIAN IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. THE INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), 2020 EDITION OF NFPA 70, AND ALL APPLICABLE STATE AND LOCAL CODES/ORDINANCES. ALL EQUIPMENT AND MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE FOLLOWING STANDARDS, WHERE APPLICABLE:  
 NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)  
 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)  
 UNDERWRITER'S LABORATORIES (UL)

ALL EQUIPMENT AND MATERIAL USED ON THIS PROJECT SHALL BE NEW AND LISTED BY THE UNDERWRITER'S LABORATORIES, ELECTRICAL TESTING LABORATORIES, INC. OR OTHER RECOGNIZED TESTING AGENCY AND SHALL BEAR THEIR LABEL.

**ELECTRICAL REQUIREMENTS BY OTHER TRADES:**  
 POWER (ALL VOLTAGES 120 AND GREATER) WIRING AND CONNECTIONS TO HVAC EQUIPMENT, PLUMBING EQUIPMENT AND RELATED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR. ALL HVAC CONTROL WIRING WILL BE THE RESPONSIBILITY OF THE INSTALLING TRADE.

**GUARANTEE:**  
 THE CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND MATERIAL FURNISHED UNDER HIS SCOPE OF WORK FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF FINAL ACCEPTANCE. EQUIPMENT MANUFACTURER'S WARRANTIES SHALL BE PASSED TO THE OWNER. SHOULD ANY DEFECTS APPEAR WITHIN THIS PERIOD, THE ELECTRICAL CONTRACTOR SHALL REPAIR OR REPLACE SAID DEFECTS OR ANY DAMAGE TO BUILDING OR CONTENTS CAUSED BY DEFECTIVE WORKMANSHIP OR EQUIPMENT, AND SHALL MAKE REQUIRED ADJUSTMENTS AT NO COST TO THE OWNER.

**EQUIPMENT CONNECTIONS:**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL DISTRIBUTION EQUIPMENT AND WIRING REQUIRED TO SERVE ALL EQUIPMENT SHOWN ON THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE MADE TO MECHANICAL, PLUMBING AND OWNER'S EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EQUIPMENT AND ROUGH-IN REQUIREMENTS.

PROVIDE FLEXIBLE METAL CONDUIT CONNECTIONS FOR MOTOR CONNECTIONS AND OTHER EQUIPMENT SUBJECT TO MOVEMENT AND VIBRATION. PROVIDE LIQUID-TIGHT FLEXIBLE METAL CONDUIT FOR CONNECTION OF MOTORS AND OTHER EQUIPMENT SUBJECT TO MOVEMENT AND VIBRATION WHERE SUBJECT TO HUMID, DAMP OR WET CONDITIONS.

**SUPPORTS AND HANGERS:**  
 THE CONTRACTOR SHALL PROVIDE ALL SUPPORTS AND HANGER MATERIALS REQUIRED TO SUPPORT CONDUIT, BOXES, FIXTURES AND EQUIPMENT REQUIRED FOR THIS PROJECT. HANGER/SUPPORT SPACING SHALL BE AS REQUIRED IN THE NEC. MATERIALS USED SHALL BE NEW AND APPROVED FOR THE PURPOSE.

**WIRE:**  
 PROVIDE WIRE AND CABLE SUITABLE FOR THE LOCATION WHERE INSTALLED. USE BUILDING WIRE WITH 600 VOLT INSULATION. SIZE ALL CONDUCTORS TO COMPLY WITH NEC REQUIREMENTS FOR VOLTAGE DROP. MINIMUM CONDUCTOR SIZE SHALL BE NO. 14 AWG.

PROVIDE SOLID CONDUCTORS FOR POWER AND LIGHTING CIRCUITS NO. 10 AWG AND SMALLER UNLESS INDICATED OR SPECIFIED OTHERWISE. PROVIDE STRANDED CONDUCTORS FOR SIZES NO. 8 AWG AND LARGER UNLESS INDICATED OR SPECIFIED OTHERWISE. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE. PROVIDE THIN WIRE AND CABLE FOR VOLT BRANCH CIRCUIT CABLES (NO. 10 AND SMALLER). PROVIDE XHHW OR THHN WIRE AND CABLE FEEDER CIRCUIT CONDUCTORS (NO. 8 AND LARGER).

TYPE MC METAL-CLAD CABLE SHALL BE ALLOWED CONCEALED IN FINISHED AREAS. MC SHALL BE INSTALLED AND SUPPORTED IN COMPLIANCE WITH THE NEC.

TYPE NM, NMS OR NMC (NONMETALLIC-SHEATHED CABLES) IF APPROVED FOR USE BY LOCAL AUTHORITY HAVING JURISDICTION SHALL BE INSTALLED IN COMPLIANCE WITH NEC AND LOCAL CODES.

WIRE SHALL BE CODED BY THE INSULATION COLOR ON NO. 10 AWG AND SMALLER AND WITH 1" BAND OF COLORED TAPE ON NO. 6 AWG AND LARGER AS FOLLOWS:

120/208 VOLTS	
BLACK	PHASE
RED	PHASE
BLUE	PHASE
WHITE	NEUTRAL
GREEN	GROUND

**CONDUIT:**  
 CONDUITS SHALL BE SECURELY FASTENED. A MAXIMUM OF FOUR 90-DEGREE BONDS BETWEEN ANY TWO BOXES, FIXTURES OR PANELS SHALL BE PERMITTED FOR EACH CONDUIT RUN. CONDUIT SHALL BE SIZED IN ACCORDANCE WITH THE ALLOWABLE FILL PERMITTED BY THE NEC.

CONDUIT FOR CONCEALED POWER AND LIGHTING SHALL BE ELECTRICAL METALLIC TUBING (EMT) WITH STEEL FITTINGS. DIE-CAST FITTING SHALL NOT BE USED ON THIS PROJECT.

HOLES THROUGH RATED SLABS AND WALLS SHALL BE FIRE STOPPED HILTI FS-ONE OR APPROVED EQUAL.

**BOXES AND COVERS:**  
 NEC-APPROVED KNOCKOUT BOXES SHALL BE FURNISHED AND INSTALLED FOR LIGHTS AND SWITCHES, AND NEC-APPROVED JUNCTION BOXES SHALL BE FURNISHED AND INSTALLED AS REQUIRED, WHETHER OR NOT SPECIFICALLY CALLED OUT ON PLANS.

BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE SHOWN ON PLANS, OR UNLESS USED IN EXPOSED CONDUIT AREAS. EXPOSED BOX COVERS AND WALL PLATES IN FINISHED AREAS SHALL BE NYLON. COVERS SHALL PROVIDE PROPER MOUNTING FOR SWITCHES.

PROVIDE A GROUNDING PIGTAIL BONDING WIRE IN ALL METAL BOXES, USE STEEL CITY NO. GBC #12 OR EQUAL.

**DEVICES:**  
 DEVICES SHALL BE AS SPECIFIED ON THE DRAWINGS. DEVICES SHALL BE SPEC GRADE COOPER, P&S, HUBBELL, OR LEVITON. COLOR TO BE SELECTED BY THE ARCHITECT.

FACE PLATES SHALL BE NYLON WITH CIRCUIT ID LABEL.

ALL BRANCH CIRCUIT CONNECTIONS AT DEVICES SHALL BE MADE USING SCREW TERMINALS, THE USE OF PUSH (STAB) IN BACK WIRED PUSH-IN SPRING CAPTIVE CONNECTIONS ARE NOT ACCEPTABLE.

**LIGHT FIXTURES:**  
 LIGHT FIXTURES SHALL BE AS SPECIFIED ON THE DRAWINGS. SUBSTITUTIONS SHALL BE REVIEWED PER SPECIFICATIONS. SUPPORT LIGHTING FIXTURES AS REQUIRED BY NEC USING APPROVED MEANS.

**DISTRIBUTION EQUIPMENT:**  
 PANELBOARD, AND DISCONNECT SWITCHES SHALL BE SQUARE D OR EQUAL BY GE, SIEMENS OR CUTLER HAMMER AS SPECIFIED ON THE DRAWINGS.

**GROUNDING:**  
 PROVIDE GROUNDING AS NECESSARY TO COMPLY WITH THE NEC AND THE REQUIREMENTS OF THESE DOCUMENTS. THE NEUTRAL CONDUCTORS AND ALL METAL ENCLOSURES OF THE ELECTRICAL SYSTEM SHALL BE GROUNDED AND OR BONDED WITH COPPER CONDUCTOR IN ACCORDANCE WITH THE ARTICLE 250 OF THE NEC.

PROVIDE A GROUNDING PIGTAIL BONDING WIRE IN ALL METAL BOXES, USE STEEL CITY NO. GBC #12 OR EQUAL.

**ELECTRICAL IDENTIFICATION:**  
 PROVIDE A TYPED CIRCUIT DIRECTORY FOR ALL PANELS.

**FIRE ALARM SYSTEM:**  
 PROVIDE NEW FIRE ALARM DEVICES AS SHOWN ON DRAWINGS COMPATIBLE WITH THE EXISTING SIMPLEX 4100 ADDRESSABLE AUTOMATIC FIRE ALARM SYSTEM. PROVIDE A NAC EXTENDER PANEL IF NEEDED. THE SYSTEM SHALL BE TESTED AND PLACED IN SERVICE BY FACTORY TRAINED NICET CERTIFIED TECHNICIANS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND SUBMITTING TO AUTHORITY HAVING JURISDICTION BATTERY CALCULATIONS, SEQUENCE OF OPERATION/ALARM MATRIX, RISER/WIRING DIAGRAM AND EQUIPMENT SHOP DRAWINGS FOR APPROVAL. CABLES SHALL BE PLENUM RATED.

**ABBREVIATIONS**

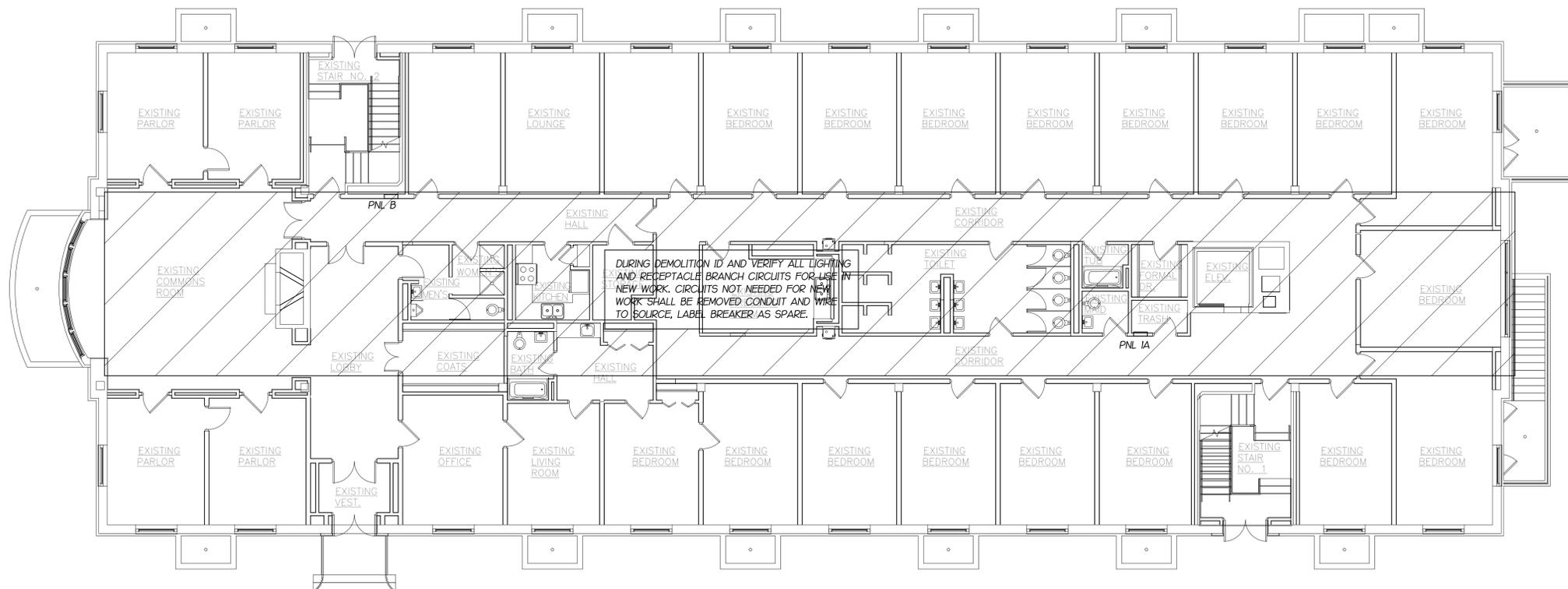
A, AMP - AMPERES	MCB - MAIN CIRCUIT BREAKER
AFF - ABOVE FINISHED FLOOR	MLO - MAIN LUGS ONLY
AFG - ABOVE FINISHED GRADE	MTD - MOUNTED
AL - ALUMINUM	N/A - NOT APPLICABLE
C - CONDUIT	NFSS - NO FUSE SAFETY SWITCH
CB - CIRCUIT BREAKER	NIC - NOT IN CONTRACT
CKT - CIRCUIT	NTS - NOT TO SCALE
CLG - CEILING	OFCI - OWNER FURNISHED CONTRACTOR INSTALLED
CND - CONDUIT	P - POLE
CU - COPPER	PB - PULL BOX, PUSH BUTTON
DISC - DISCONNECT	PH - PHASE
DN - DOWN	PNL - PANEL
EC - EMPTY CONDUIT	RCPT - RECEPTACLE
ELEC - ELECTRICAL	RGS - RIGID GALVANIZED STEEL
ELEV - ELEVATOR	SMR - SURFACE METAL RACEWAY
EM, EMERG - EMERGENCY	S/N - SOLID NEUTRAL
EMT - ELECTRICAL METALLIC TUBING	SS - STAINLESS STEEL
EX - EXISTING	STD - STANDARD
F - FUSE	SW - SWITCH
FBO - FURNISHED BY OTHERS	TBD - TO BE DETERMINED
FLEX - FLEXIBLE	TEL - TELEPHONE
FLUOR - FLUORESCENT	TV - TELEVISION
FSS - FUSED SAFETY SWITCH	TYP - TYPICAL
FTG - FITTING	UNO - UNLESS NOTED OTHERWISE
G, GND - GROUND	V - VOLTAGE
GFI - GROUND FAULT INTERRUPTING	WP - WEATHERPROOF
J-BOX, JB - JUNCTION BOX	XFMR - TRANSFORMER
KW - KILOWATT	

**SYMBOL SCHEDULE**

STANDARD SYMBOLS, SOME MAY NOT BE USED ON THIS PROJECT.

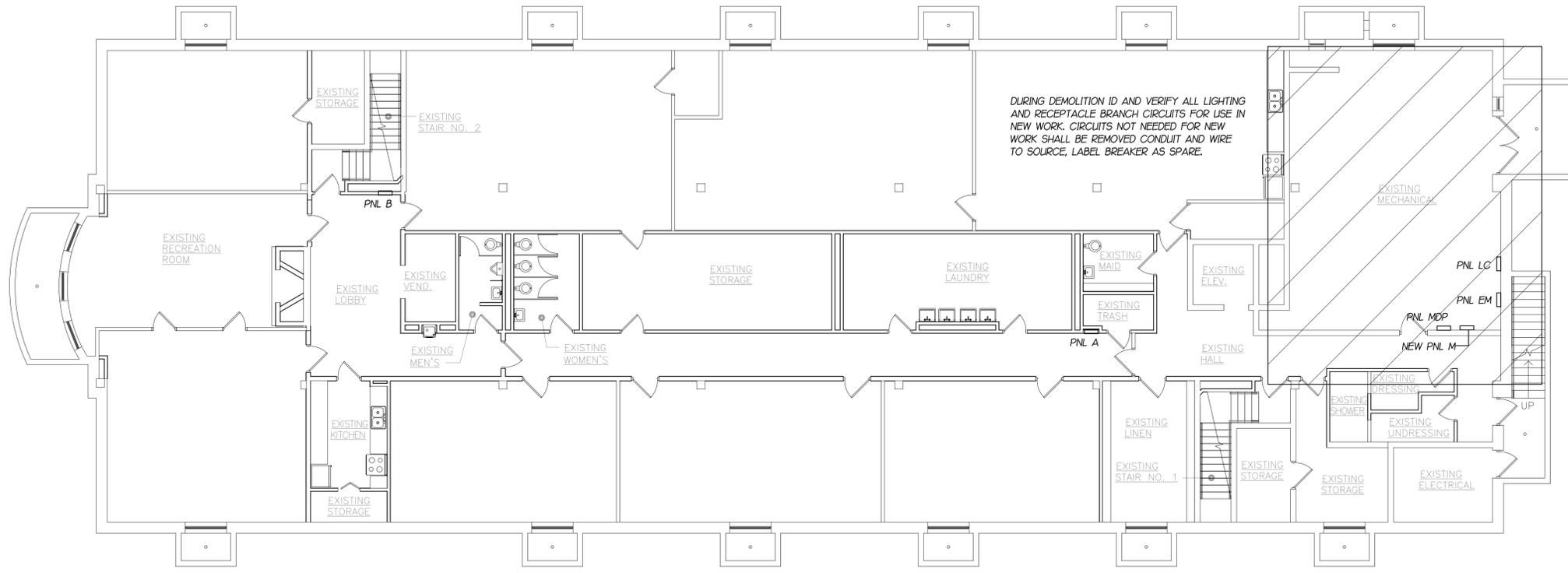
- 12 A FLUSH MOUNTED SPEC GRADE 15A TAMPER RESISTANT DUPLEX RECEPTACLE, NUMBER INDICATES CIRCUIT NO. FROM UNIT PANEL UNLESS NOTED OTHERWISE (TYPICAL FOR ALL OUTLET/DEVICES). LABEL COVER PLATE WITH CIRC. ID. LETTER 'A' INDICATES DEVICE TO BE MOUNTED ABOVE COUNTER/BACKSPASH, TYPICAL.
- FLUSH MOUNTED SPEC GRADE 15A TAMPER RESISTANT GFIC DUPLEX PLATE WITH CIRC. ID.
- M FLUSH MOUNTED SPEC GRADE 15A TAMPER RESISTANT GFIC DUPLEX RECEPTACLE TO BE LOCATED ABOVE RANGE FOR MICROWAVE. VERIFY LOCATION WITH CABINET INSTALLER PRIOR TO ROUGH-IN. LABEL COVER PLATE WITH CIRC. ID.
- W FLUSH MOUNTED SPEC GRADE 15A TAMPER RESISTANT WR GFIC DUPLEX RECEPTACLE WITH HEAVY DUTY WEATHERPROOF IN-USE COVER. LABEL COVER PLATE WITH CIRC. ID.
- FLUSH MOUNTED SPEC GRADE 30A DRYER RECEPTACLE NEMA 14-30R PROVIDE CORD AND PLUG. MOUNT AT 36" AFF. LABEL COVER PLATE WITH CIRC. ID.
- FLUSH MOUNTED SPEC GRADE 20A SINGLE RECEPTACLE MOUNT AT 36" AFF. LABEL COVER PLATE WITH CIRC. ID.
- JUNCTION BOX, PROVISION FOR POWER CONNECTION TO EQUIPMENT/DEVICE.
- S SINGLE POLE 20A SPEC GRADE SWITCH. LABEL COVER WITH CIRC. ID.
- S3 THREE WAY 20A SPEC GRADE SWITCH. LABEL COVER WITH CIRC. ID.
- S4 FOUR WAY 20A SPEC GRADE SWITCH. LABEL COVER WITH CIRC. ID.
- Sm 20A/2P MOTOR RATED SWITCH MOUNTED ON OR ADJACENT TO MECHANICAL UNIT. LABEL COVER WITH CIRC. ID.
- So SPEC GRADE DUAL TECH OCCUPANCY SWITCH. LABEL COVER WITH CIRC. ID.
- Sd SPEC GRADE LED DIMMER SWITCH. LABEL COVER WITH CIRC. ID.
- Sx THREE POLE 20A MOTOR RATED SWITCH, 4" SQ BOX WITH RAISED COVER MOUNTED ON OR ADJACENT TO MECHANICAL UNIT. LABEL COVER WITH CIRC. ID.
- NON FUSED GENERAL DUTY DISCONNECT SWITCH NEMA 1 UNLESS NOTED OTHERWISE. LABEL COVER WITH CIRC. ID.
- FLUSH MOUNTED TELEPHONE OUTLET AT 48" AFF TO CENTER, BOX, DEVICE, COVER PLATE AND WIRE. PROVIDE CAT5E CABLE TO STRUCTURED MEDIA ENCLOSURE.
- CEILING MOUNTED LIGHT FIXTURE (TYPE AS INDICATED).
- WALL MOUNTED LIGHT FIXTURE (TYPE AS INDICATED).
- NEW HOME RUN TO PANEL 2#12, 1#12G UNLESS NOTED OTHERWISE

Revisions		
No.	Date	Description
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FIRST FLOOR PLAN - ELECTRICAL DEMOLITION  
SCALE: 1/8" = 1'-0"

NO NOTES THIS SHEET  
REMOVE ALL RECESSED HEATING CONVECTORS AND ACCESSIBLE HEATING PIPES.  
REMOVE HEATING SYSTEM PUMPS AND ALL HEATING PIPING IN MECHANICAL ROOM.



BASEMENT FLOOR PLAN - ELECTRICAL DEMOLITION  
SCALE: 1/8" = 1'-0"

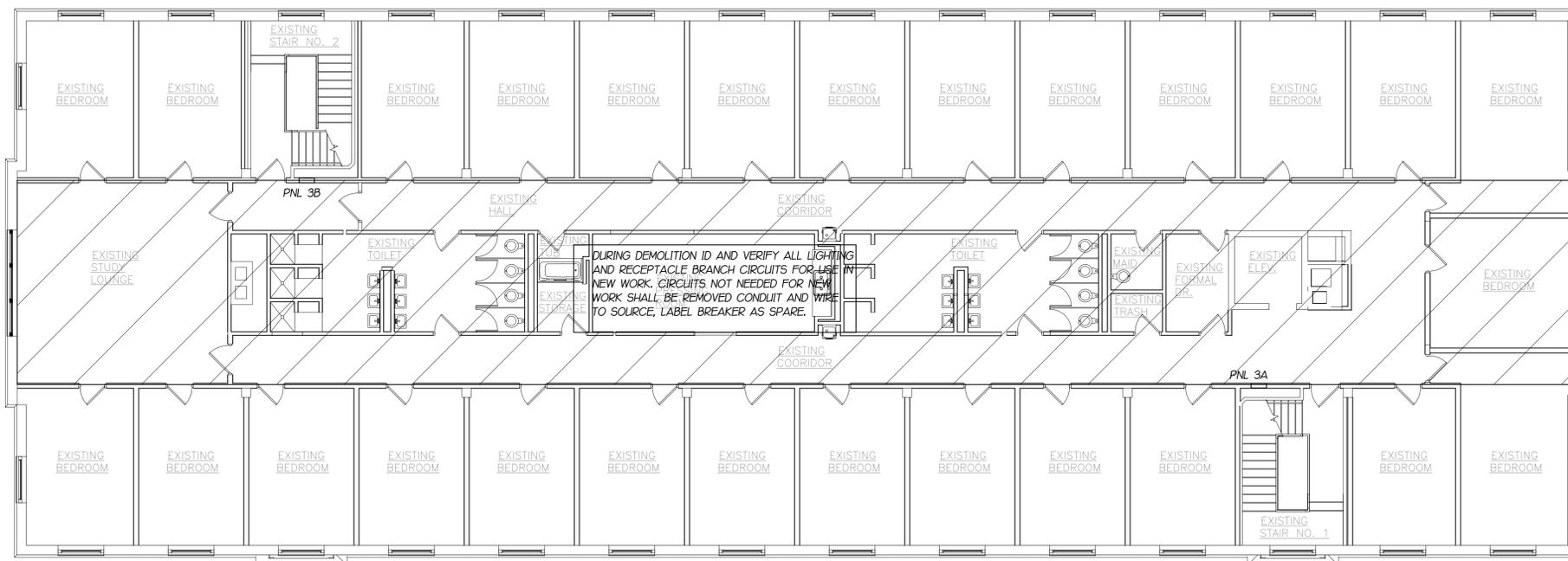
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CHECKED BY: WBB

BASEMENT AND FIRST FLOOR PLANS - ELECTRICAL DEMOLITION

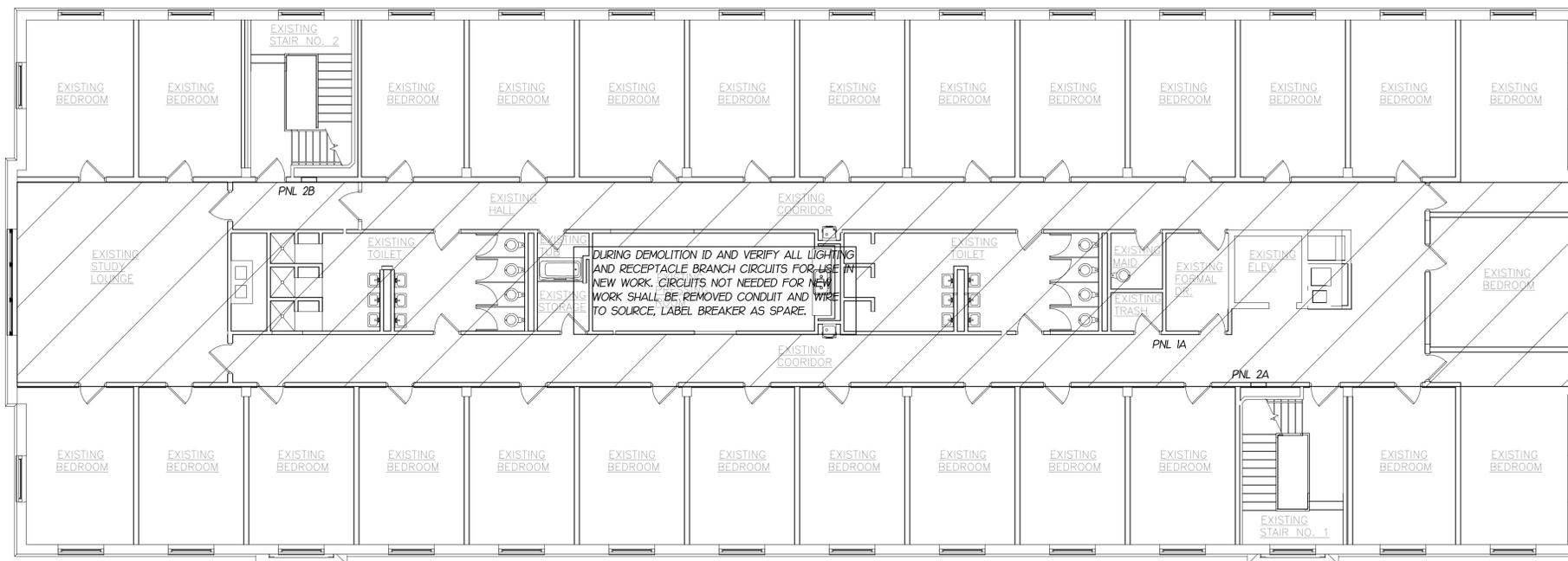
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 **THIRD FLOOR PLAN – ELECTRICAL DEMOLITION**  
SCALE: 1/8" = 1'-0"



 **SECOND FLOOR PLAN – ELECTRICAL DEMOLITION**  
SCALE: 1/8" = 1'-0"

DRAWN BY: WBB  
CHECKED BY: WBB

**SECOND AND THIRD FLOOR PLANS - ELECTRICAL DEMOLITION**

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Crawford Hall Renovation  
 Roanoke College  
 221 College Lane Salem, Virginia

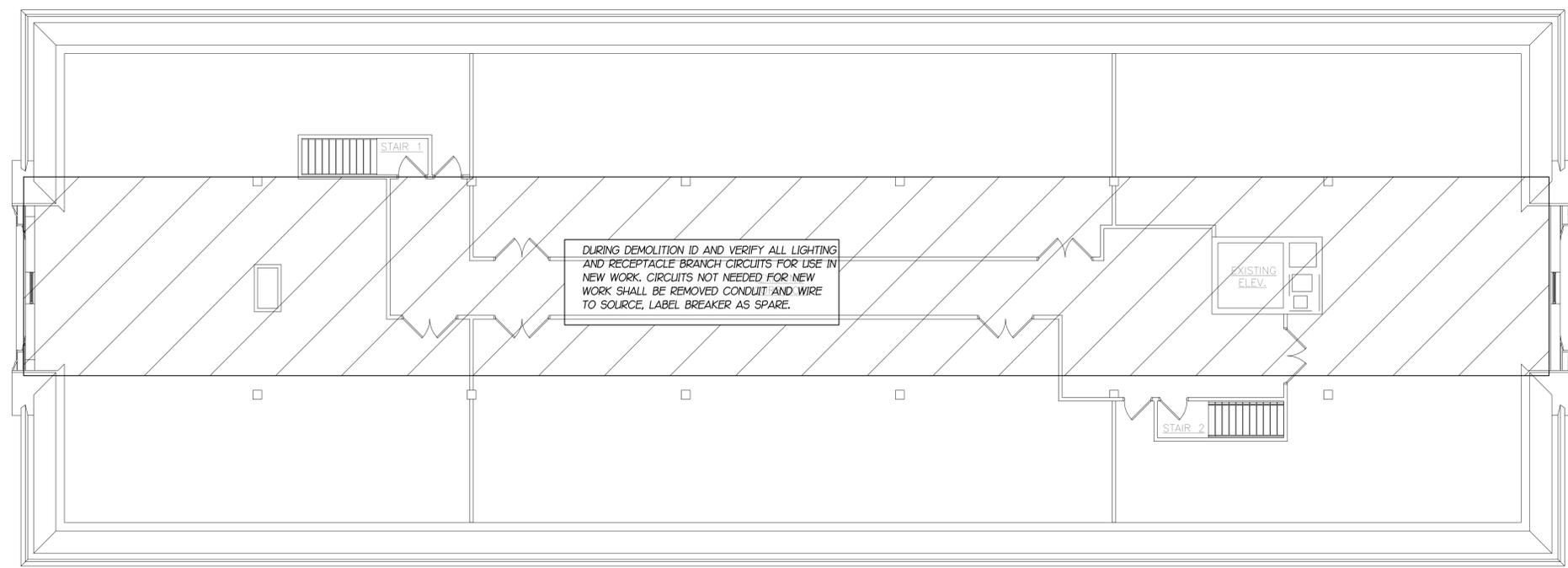
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ATTIC PLAN -  
 MECHANICAL  
 DEMOLITION

CARBO, INC.  
 ENGINEERING SERVICES  
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COMMISSION No.  
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ATTIC FLOOR PLAN – ELECTRICAL DEMOLITION  
 SCALE: 1/8" = 1'-0"