



ADDENDUM 003

DATE: January 27, 2025
COMM NO: 24028
PROJECT: Crawford Hall Renovation - Roanoke College

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

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

Hughes Associates Architects & Engineers
3800 Electric Road SW | Suite 300
Roanoke, VA 24018
Tel.: 540.342.4002

Email: eshumate@hughesae.com

- Comment:** Link to responses and additional drawing: <https://hughesae-my.sharepoint.com/:f/p/eshumate/EhLmq8CPSadlozjUPPt9TzkBX7el6qCgZ8oMm6JWY-PPRA?e=01EDCX>
- Question:** Sheet ID2-2 shows WP-2 to be applied to the new walls in the new East Study Lounge. Looking at Sheet A2-1, note WP states that “wall covering is to be applied to level 5 GWB finish”. However, the elevations and floor plans on ID2-2 depict this as a CMU wall. Please clarify what is correct.
 - Provide Level 5 finish when wall covering is being installed over gypsum wall board. See revised plans on Sheets A1-3 and A1-6 adding 5/8 in. GWB laminated over existing and new CMU in East Lounge.
 - Partition Types 6 and 7 have been added on Sheet A2-1.
- Question:** Sheet A1-5, “plan detail – Tile Term” shows painted GWB on the outside with cement board on the inside. This contradicts the wall type 1 shown on the partition schedule. There is also no delineation of where the cement board is to stop and the GWB to begin. Should this be included as MR GWB instead of cement board? If so, where does each material begin/end.
 - See revised detail on A1-5 indicating termination point of GWB.

4. **Question:** Reflected ceilings show Mech 318 and Jan 319 as white which would indicate new GWB ceilings. However, no height is listed for these rooms. Can you confirm these are to be replaced, and at what height?
 - a. Remove and replace ceilings in these rooms with 5/8" GWB on metal suspension system at 7'-8" AFF. Additionally, Remove and replace ceilings in Mech. 125 and IT 126 with 5/8" GWB on metal suspension system at 8'-0" AFF.
 - b. Height of bulkheads on First Floor have been adjusted to 7'-10" AFF.
 - c. See revised sheets A8-1 and A8-2

5. **Question:** Sheet A2-1 image of Door type C appears to show either a glass insert or detail panel. The schedule on the right side does not specify either. What should be included for this door type?
 - a. Provide 1 in. insulated safety glass at Type C doors.

6. **Question:** Sheet A2-1 door schedule shows several locations as "Material – Wood". However, in the project manual, there is no information for plain wood doors. The materials specified in section 08-1416 Flush Wood Doors, VT Palladium, is a PVC clad product only. Please clarify what types of wood doors are to be included and finish.
 - a. Provide Palladium PVC-clad wood doors at all locations. See revised Door Schedule on A2-1

7. **Comment:** Electrical drawings have been revised to indicate circuiting; locations of Fixture Type 'C'; and adding fire alarm devices. Added notes for demolition and removal of branch circuits. Revisions are clouded in **RED**.

8. **Question:** Please show branch water piping, along with valve and access door locations (if required) on floors 1-3.
 - a. See attached revised Sheet P3-2 for water piping layout. See revised Specification Section 08 3100 – Access Doors and Panels. As indicated on revised Sheet A6-1, provide one 12 x 12 recessed access panel with drywall insert and ceramic tile covering at the following locations:
 - i. Toilet Stalls 130D, 130E, 132C, 132D, 223C, 223E, 226D, 226D, 226F, 323C, 323E, 326D, 326F,
 - ii. Showers 130J, 223F, 323F
 - iii. Center of radial wall, Corridor side Toilets 130, 132, Baths 223,226, 323, 326
 - iv. ADA Baths 220, 320
 - v. Total: 23 req.

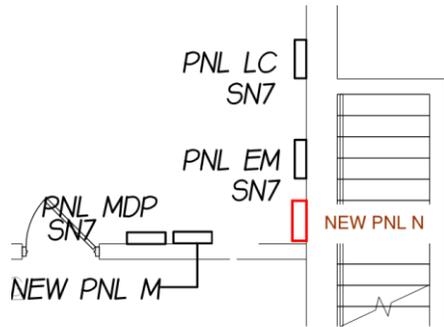
9. **Comment:** Ceramic tile base at CT-5 and CT-6 has been changed to 'Color Wheel Classic A3401 Flat Top Cove Base, 0709 Arctic White Matte, 4x4" (same as CT-1). Install location of base on CT-7 in kitchens has been clarified. Edge trim on PLAM-3 has been revised from ET-2 to ET-4. See revised Sheet ID1-1.

10. **Comment:** Where ceilings are removed in basement, provide new ACT-1 ceilings. Approximate extent of replacement is shown on revised Sheet A8-1.

11. **Question:** Are the plumbing fixtures on the schedule meant to be proprietary, or a standard of quality.
 - a. The Sloan wall lavatory model shall be provided as specified. The remaining fixtures in the Plumbing Fixture Schedule are a standard of quality and alternate manufacturers will be considered upon owner approval. Preferred manufacturers include American Standard, Kohler, Zurn, and Toto.

12. **Comment:** Add one duplex receptacle on each end of the new wall in the East Study Lounges on Floors 1-3.

13. **Question:** Sheet E1-1 shows locations for the new panels M and N. However, there is currently other wall-mounted equipment in this area. See attached pictures. Based on the size and cost of conduit and conductor wire, the location will be important for accurate and competitive pricing between electrical subcontractors. Please advise.
 - a. Install new Panel N adjacent to PNL EM



END OF ADDENDUM 003

ATTACHMENTS

Revised Drawing Sheets:

- A1-3
- A1-5
- A1-6
- A2-1
- A6-1
- A8-1
- A8-2

ID1-1

- P3-2
- E1-1
- E1-2
- E1-3
- E1-4
- E1-7
- ED-1
- ED-2



Revisions		
No.	Date	Description
1	01-21-25	Addendum 001
2	01-27-25	Addendum 003

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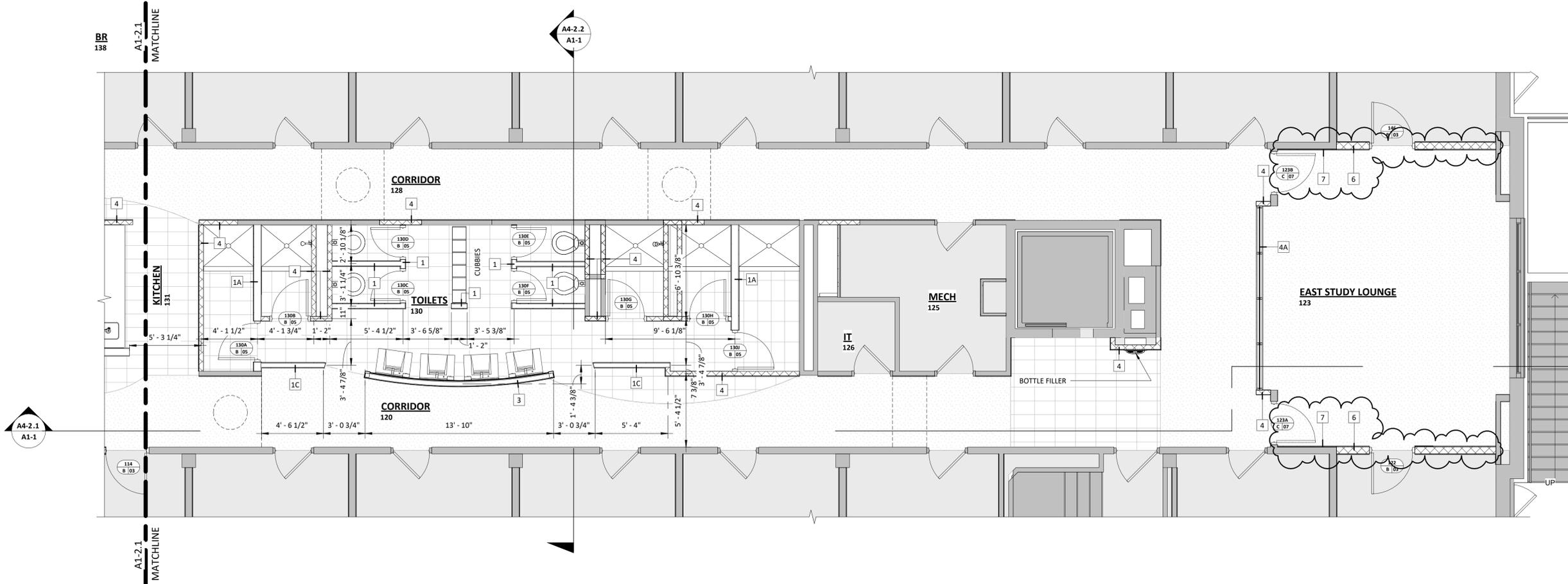


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 CHECKED BY: Checker

PARTIAL FIRST FLOOR PLAN - NEW WORK - AREA 2

REF PRICING
 NOT FOR CONSTRUCTION
 DOCUMENT

COMMISSION No.
 24028
 SHEET
A1-3



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

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1	01-21-25	Addendum 001
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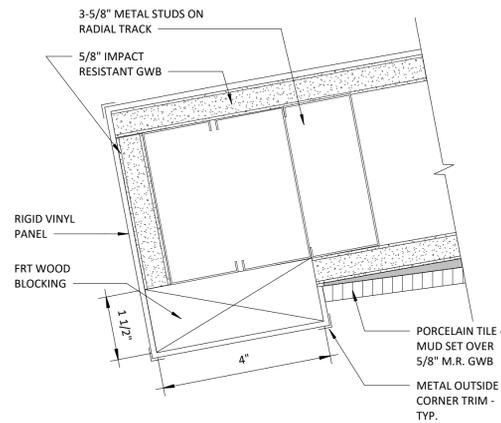


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 CHECKED BY: Checker

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

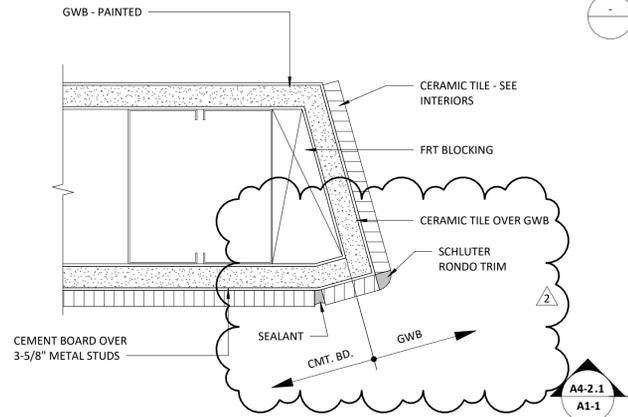
R.F.P. PRICING
 NOT FOR
 CONSTRUCTION
 DOCUMENT

COMMISSION No.
 24028
 SHEET
A1-5
© COPYRIGHT 2024 HUGHES ASSOCIATES ARCHITECTS & ENGINEERS A PROFESSIONAL CORPORATION



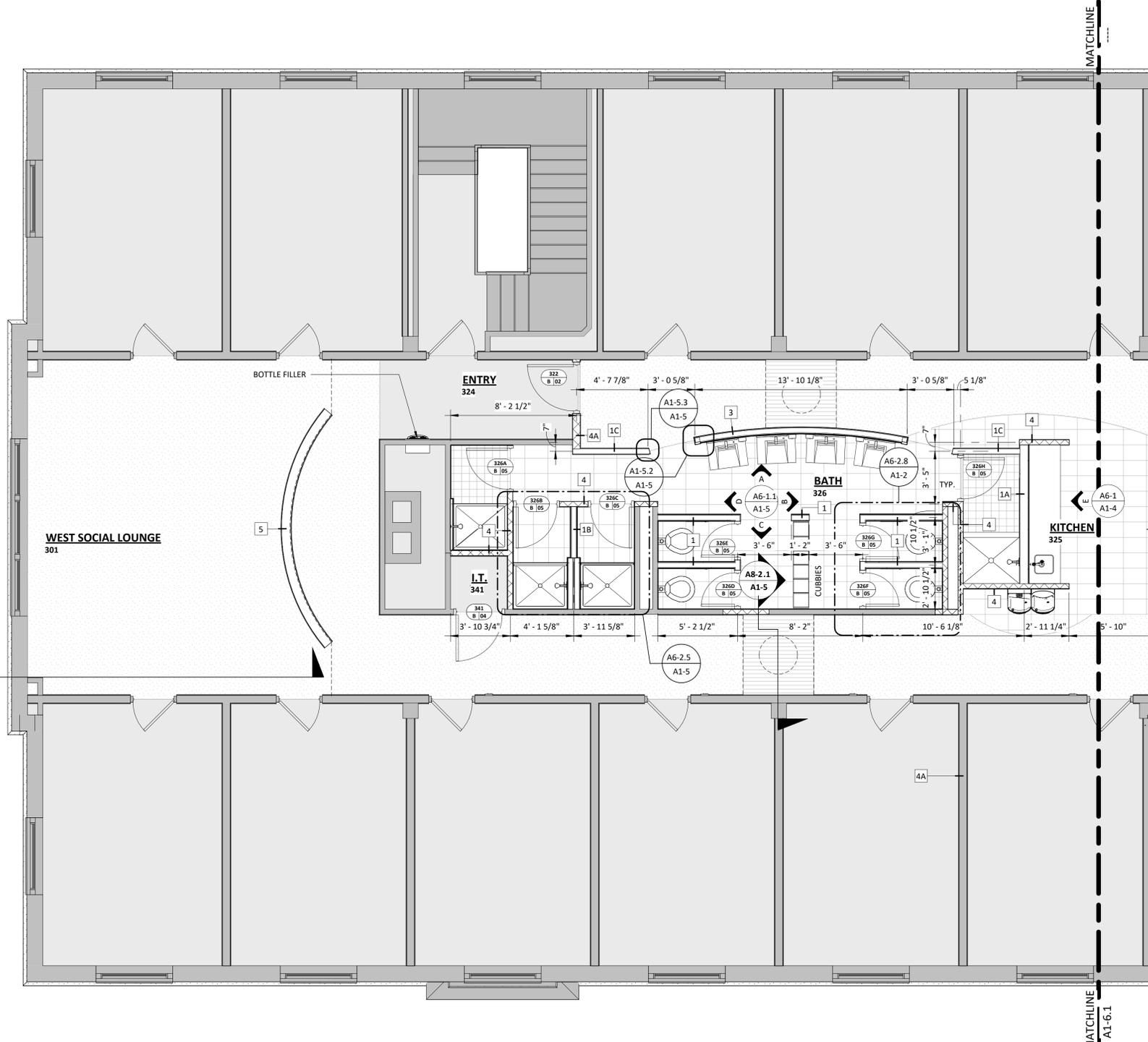
A1-5.2 PLAN DETAIL - RADIUS WALL END

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"

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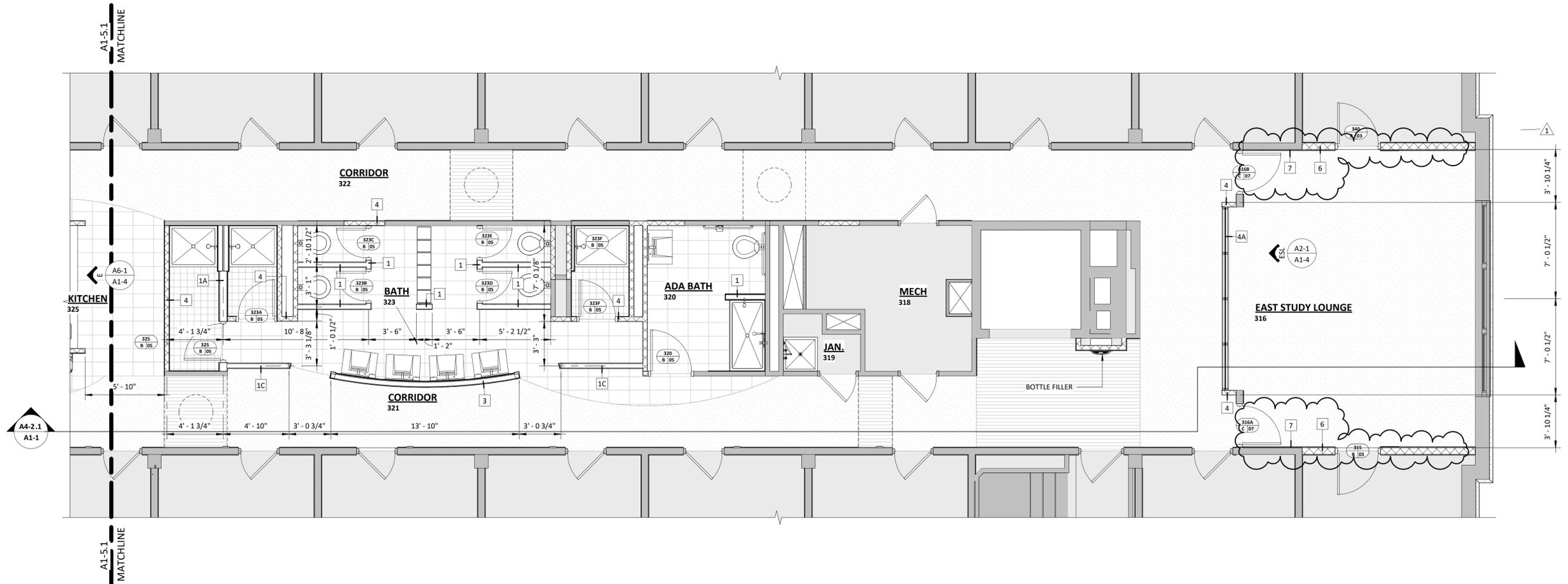


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PARTIAL SECOND/ THIRD FLOOR PLAN - NEW WORK - AREA 2

REF PRICING
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 DOCUMENT

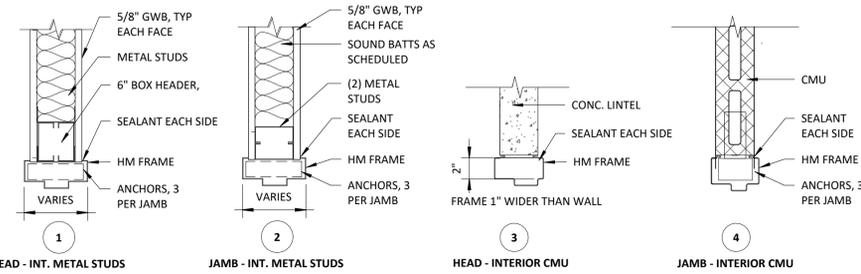
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 SHEET
A1-6
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A1-6.1 PARTIAL SECOND/ THIRD FLOOR PLAN - NEW WORK - AREA 2
A3-1 1/4" = 1'-0"

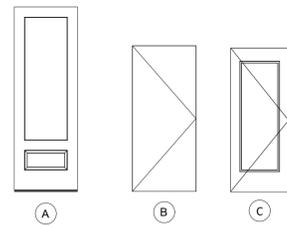
HEAD AND JAMB DETAILS

1 1/2" = 1'-0"



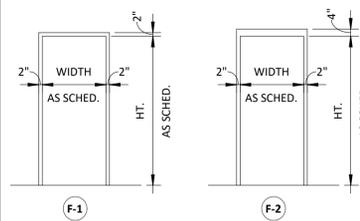
DOOR TYPES

NO SCALE



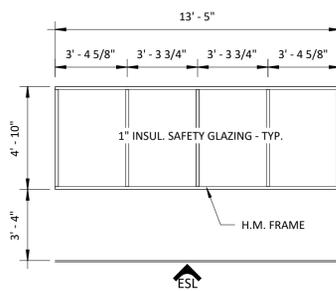
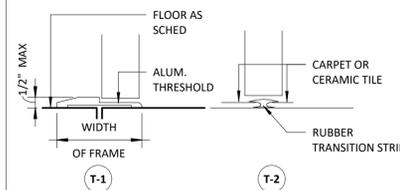
FRAME TYPES

NO SCALE



THRESHOLD TYPES

NO SCALE



BORROWED LIGHT AT EAST STUDY LOUNGE

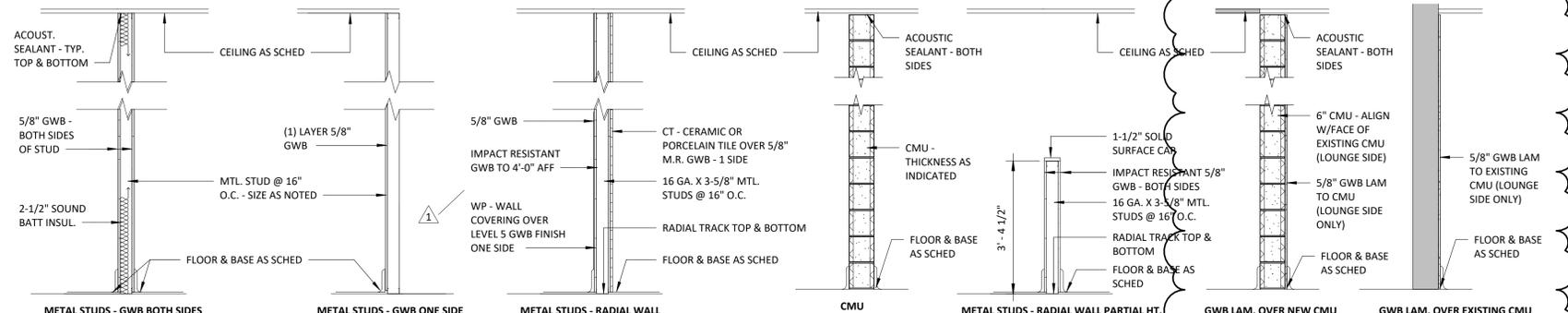
1/4" = 1'-0"

DOOR SCHEDULE

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

PARTITION TYPES

NO SCALE



- 1 3 5/8" METAL STUD W/ 5/8" GWB BOTH SIDES
- 2 3 5/8" METAL STUD W/ 5/8" GWB ON ONE SIDE
- 3 METAL STUDS W/RADIAL TRACK
- 4 4" CMU
- 5 METAL STUDS W/RADIAL TRACK
- 6 5/8" M.R. GWB LAMINATED OVER 6" CMU - ONE SIDE
- 7 5/8" M.R. GWB LAMINATED OVER EXISTING CMU - ONE SIDE

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 OR OVER PAINTED CMU. SEE I-SHEETS FOR MORE INFORMATION.

Revisions

No.	Date	Description
1	01-21-25	Addendum 001
2	01-27-25	Addendum 003

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DOOR SCHEDULE, DETAILS & PARTITION TYPES

REF PRICING
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DOCUMENT

COMMISSION No.
24028
SHEET
A2-1

Revisions

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1	01-21-25	Addendum 001
2	01-27-25	Addendum 003

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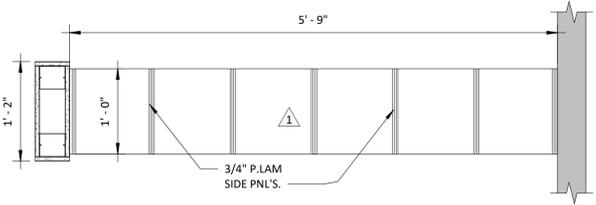


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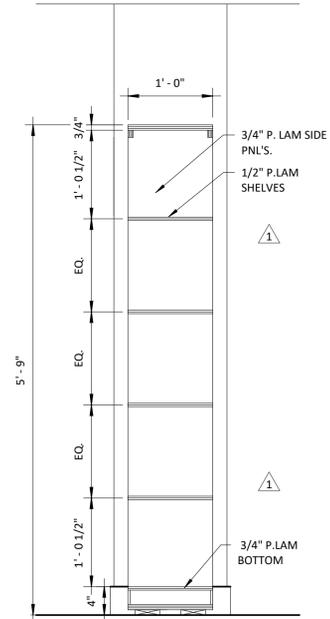
ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS

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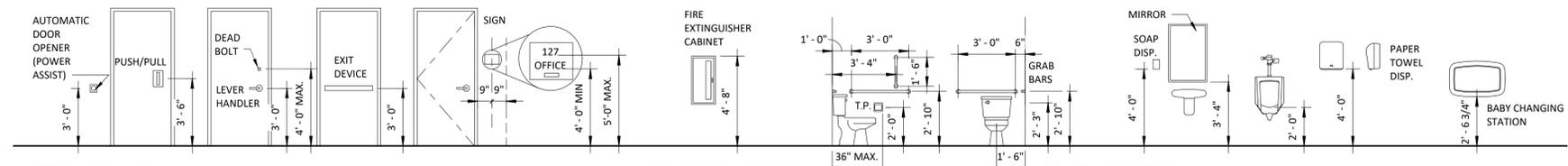
COMMISSION No. 24028
 SHEET A6-1



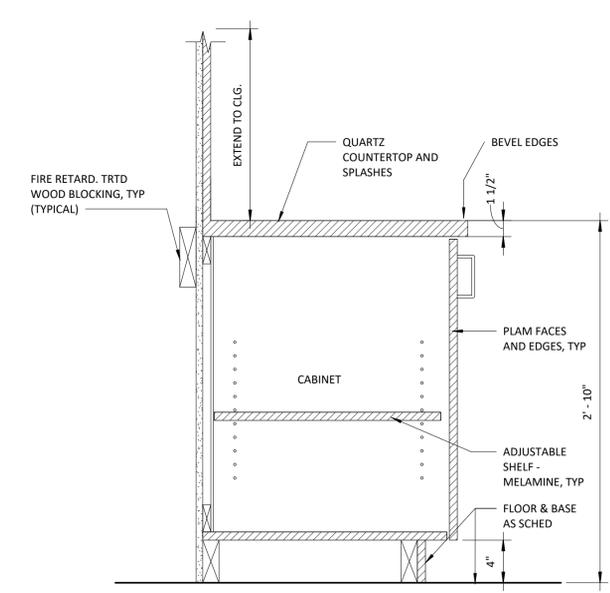
A6-1.7 CUBBIE DETAIL - PLAN
 A6-1 1" = 1'-0"



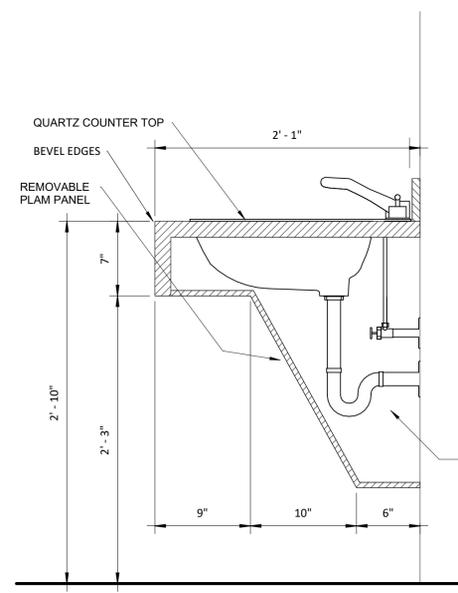
A6-1.6 CUBBIE DETAIL
 A6-1 1" = 1'-0"



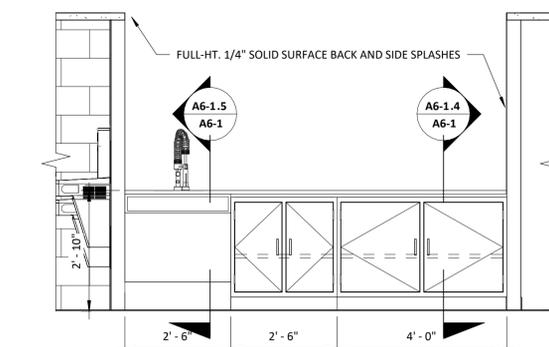
TYPICAL MOUNTING HEIGHTS
 1/4" = 1'-0"



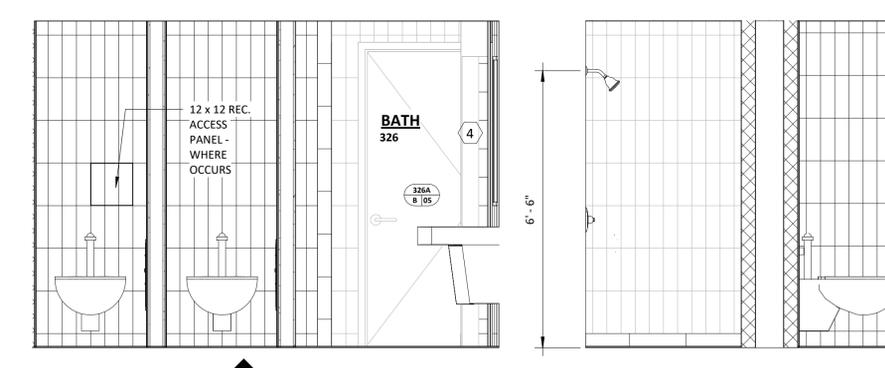
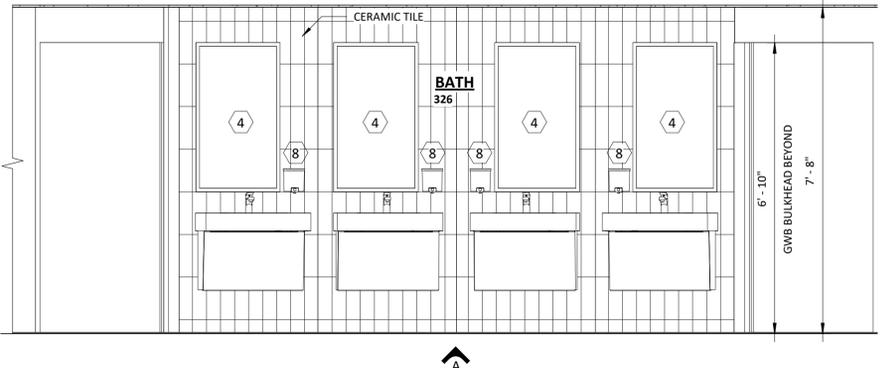
A6-1.4 CASEWORK DETAIL
 A6-1 1 1/2" = 1'-0"



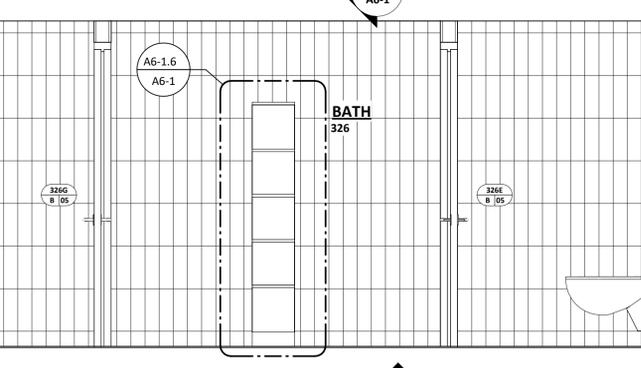
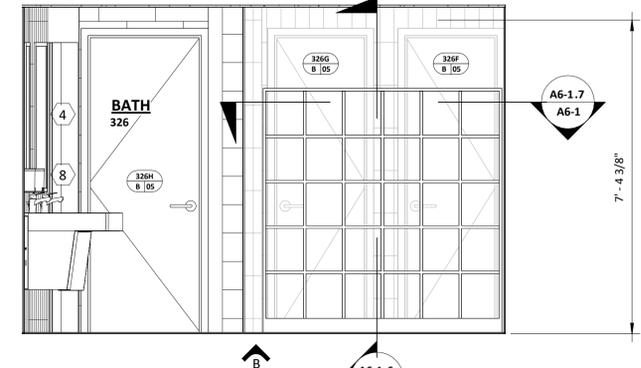
A6-1.5 CASEWORK DETAIL
 A6-1 1 1/2" = 1'-0"



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



A6-1.1 INTERIOR ELEVATIONS - BATH 326
 A1-5 1/2" = 1'-0"



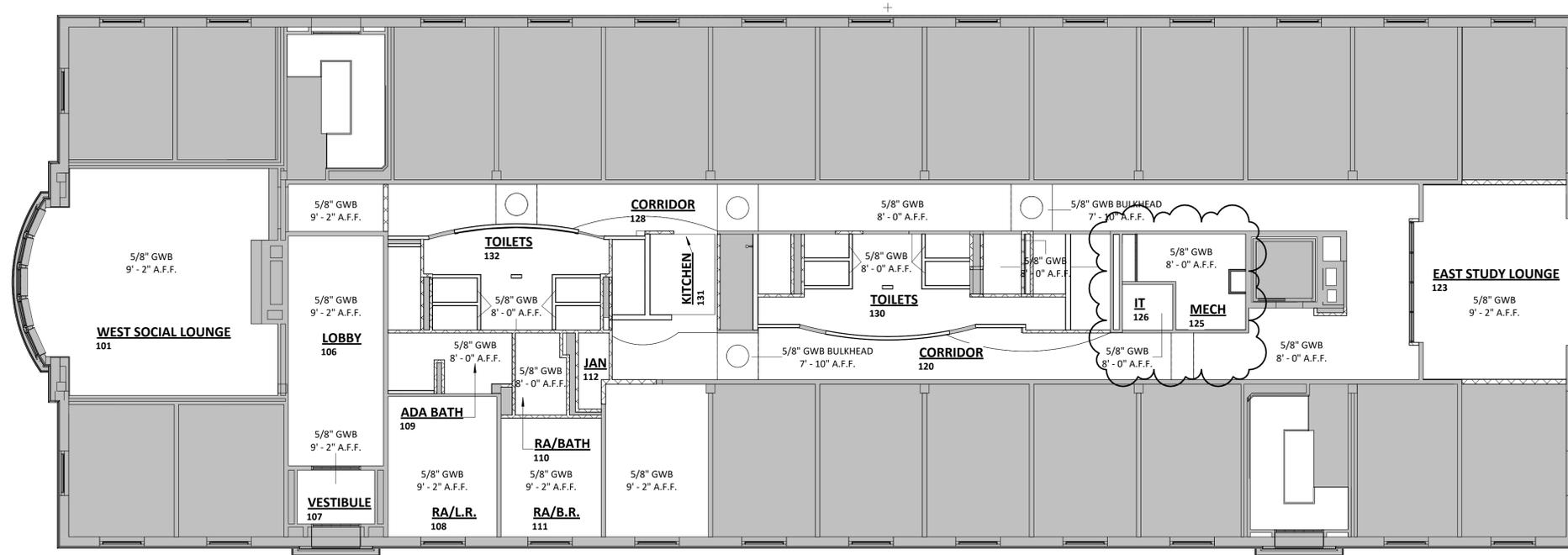
ACCESS PANEL SCHEDULE

PROVIDE ONE 12 X 12 RECESSED ACCESS PANEL WITH DRYWALL INSERT AND CERAMIC TILE COVERING AT THE FOLLOWING LOCATIONS:

- TOILET STALLS 130D, 130E, 132C, 132D, 223C, 223E, 226D, 226F, 323C, 323E, 326D, 326F,
- SHOWERS 130J, 223F, 323F
- CENTER OF RADIAL WALL, CORRIDOR SIDE TOILETS 130, 132, BATHS 223, 226, 323, 326
- ADA BATHS 220, 320

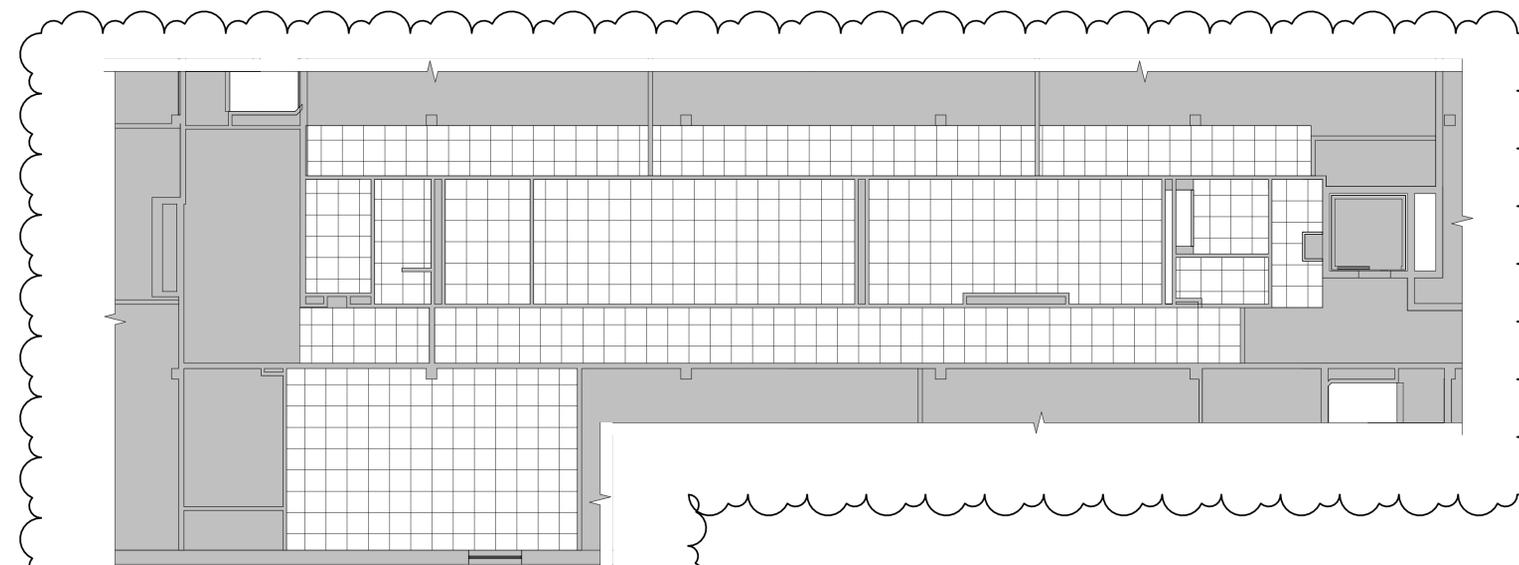
TOILET ACCESSORY SCHEDULE

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	<varies>
14	SCHLUTER TRAPEZOIDAL SHELF-E



FIRST FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"



BASEMENT REFLECTED CEILING PLAN

1/8" = 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.

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

Revisions		
No.	Date	Description
2	01-27-25	Addendum 003
3	Date 3	Revision 3

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 3800 ELECTRIC ROAD, SUITE 300 | ROANOKE, VIRGINIA 24018
 540.342.4022 | www.hughesaec.com

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



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OVERALL FIRST FLOOR REF. CLG. PLANS

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COMMISSION No. 24028
 SHEET A8-1

Revisions		
No.	Date	Description
1	01-21-25	Addendum 001
2	01-27-25	Addendum 003

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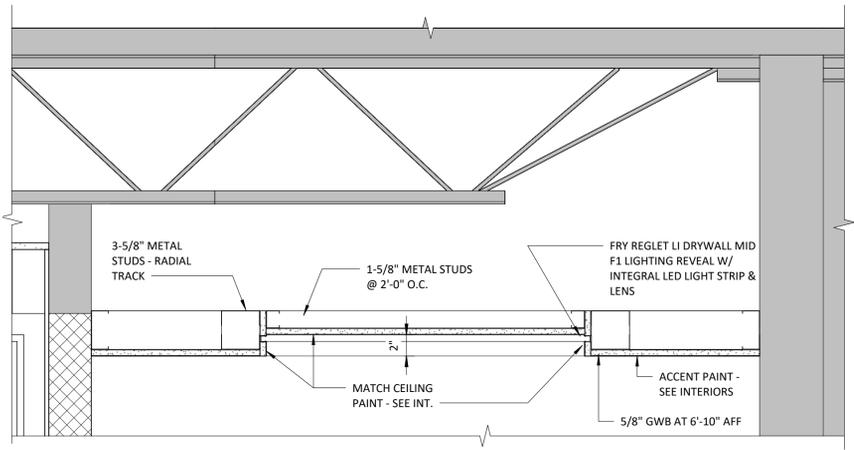


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**SECOND/
 THIRD
 FLOOR
 REFLECTED
 CEILING
 PLAN**

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 CONSTRUCTION
 DOCUMENT

COMMISSION No.
 24028
 SHEET
A8-2
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TYP. CORRIDOR BULKHEAD SECTION
 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.

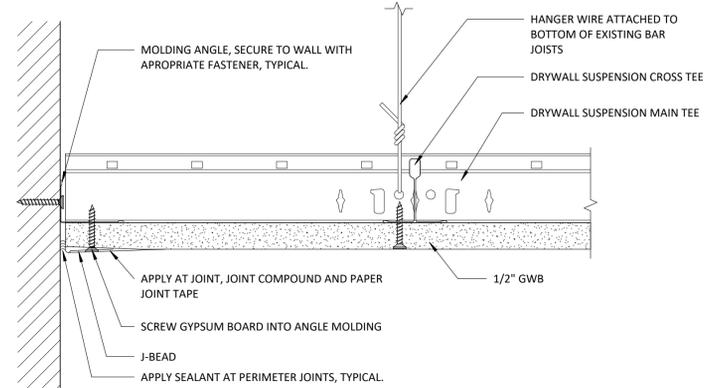
NOTE 2: BRACE BULKHEAD & SOFFITS TO STRUCTURE ABOVE.

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

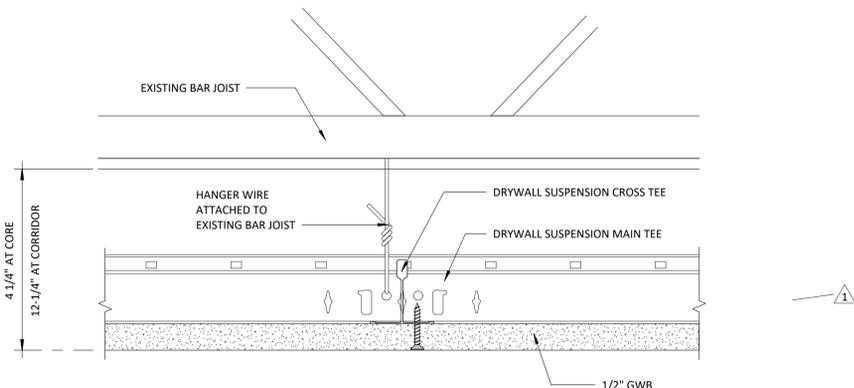
NOTE 4: COORDINATE LIGHTING LAYOUT W/ ELECTRICAL DRAWINGS.

REFLECTED CEILING PLAN LEGEND

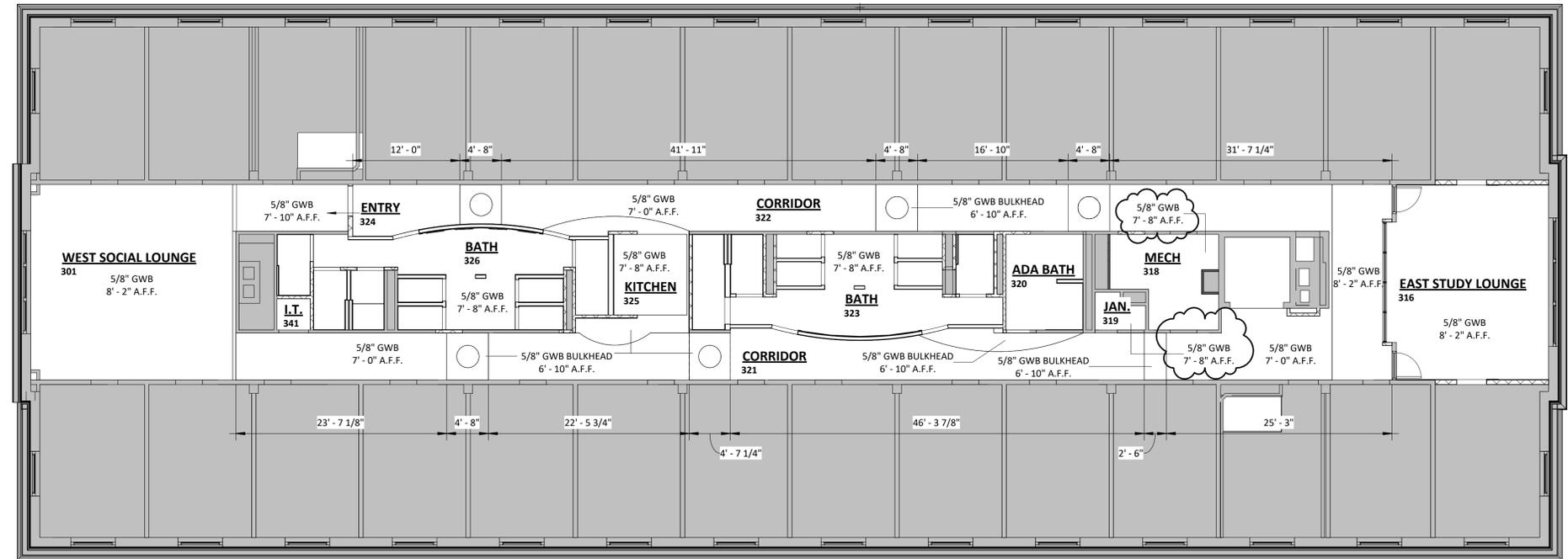
	SUSPENDED ACOUSTICAL CLG.		SURFACE- MTD FIXTURE
	GWB CEILING, SOFFIT OR BULKHEAD		WALL OR BULKHEAD-MOUNTED LIGHTS
	EXISTING CEILING TO REMAIN		EXIT LIGHTS
	LAY-IN FIXTURE		EMERGENCY LIGHTS, BATTERY PACKS
			RECESSED CAN LIGHTS; REFER TO ELEC. DRAWINGS FOR TYPE & SIZE
			MECH. SUPPLY REGISTER
			MECH.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



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"

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: 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: Color Wheel Classic A3401 Flat Top Cove Base, 0709 Arctic White Matte, 4x4
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: Color Wheel Classic A3401 Flat Top Cove Base, 0709 Arctic White Matte, 4x4
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; Kitchen, Janitors
**In Kitchen, tile base installs on East accent wall only; outside corner pieces will abut RB-1 in Corridors*

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
SIZE: 10mm (3/8")
INSTALL: Vertical corner transitions between CT-1 and WP-1
Refer to Detail

ET-2 (Edge Trim)
MFG: Schluter Systems
STYLE: Rondex RO100 ACGB
FINISH: Brushed Chrome Anodized Aluminum
SIZE: 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
SIZE: 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: Rondex-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
SIZE: 18" x 36" x 0.236" (5.99mm)
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

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; top ET-4 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			

MANUFACTURER'S QUOTE CONTACT

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Daltile Jay McCray j.mccray@daltile.com	ShawContract Paula Wade paula.wade@shawcontract.com	Wolf Gordon Susan Lynch susan.lynch@wolfgordon.com

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.

Revisions		
No.	Date	Description
2	01-27-25	Addendum 003



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ROANOKE COLLEGE
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DRAWN BY: SG/KGG
CHECKED BY: Checker

INTERIOR FINISHES SPECS



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DRAWN BY: DAR
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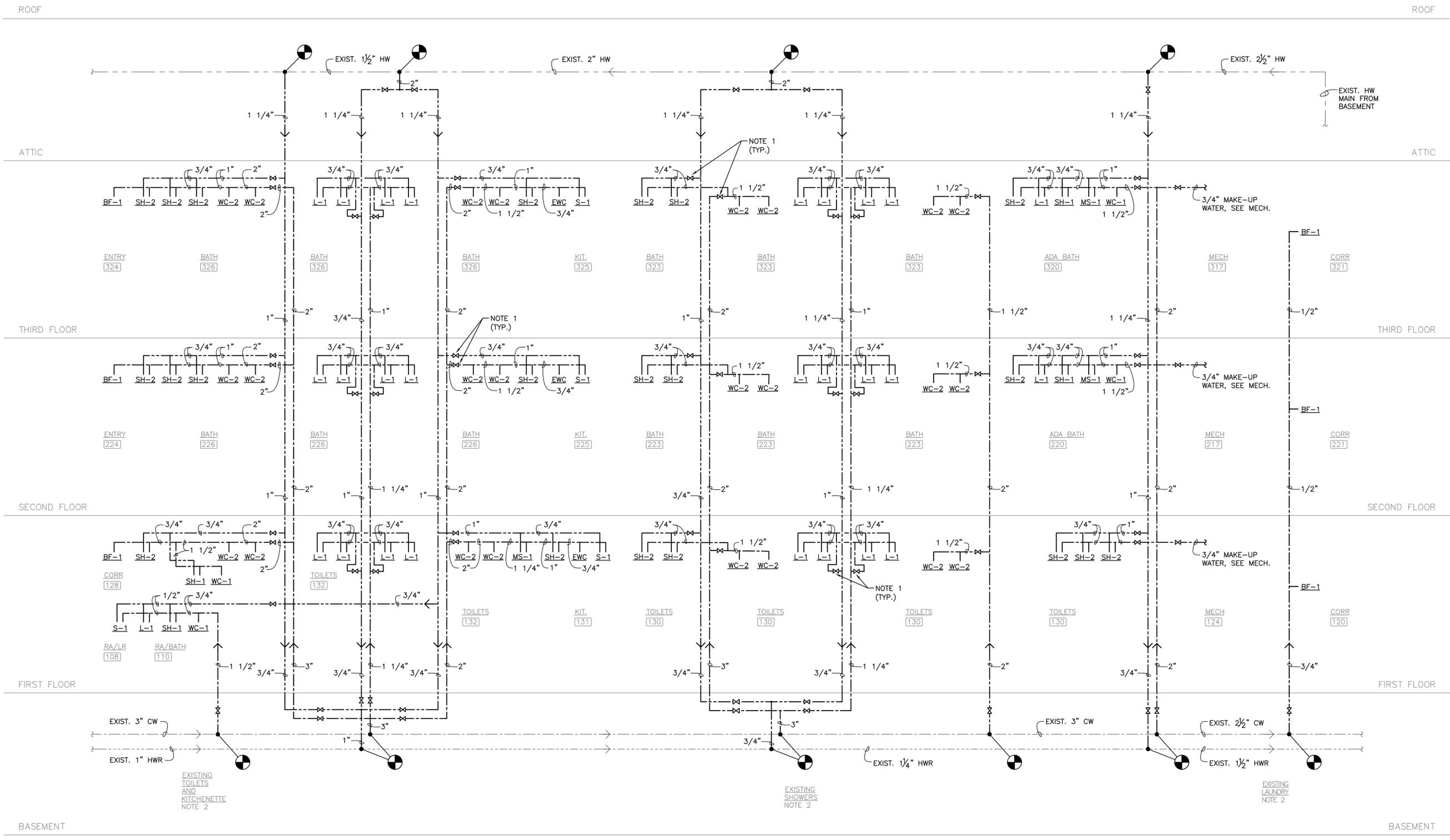
WATER RISER DIAGRAM - PLUMBING

MANN & ASSOCIATES, INC.
 306 Market Street
 Roanoke, VA 24011
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 SHEET
 P3-2

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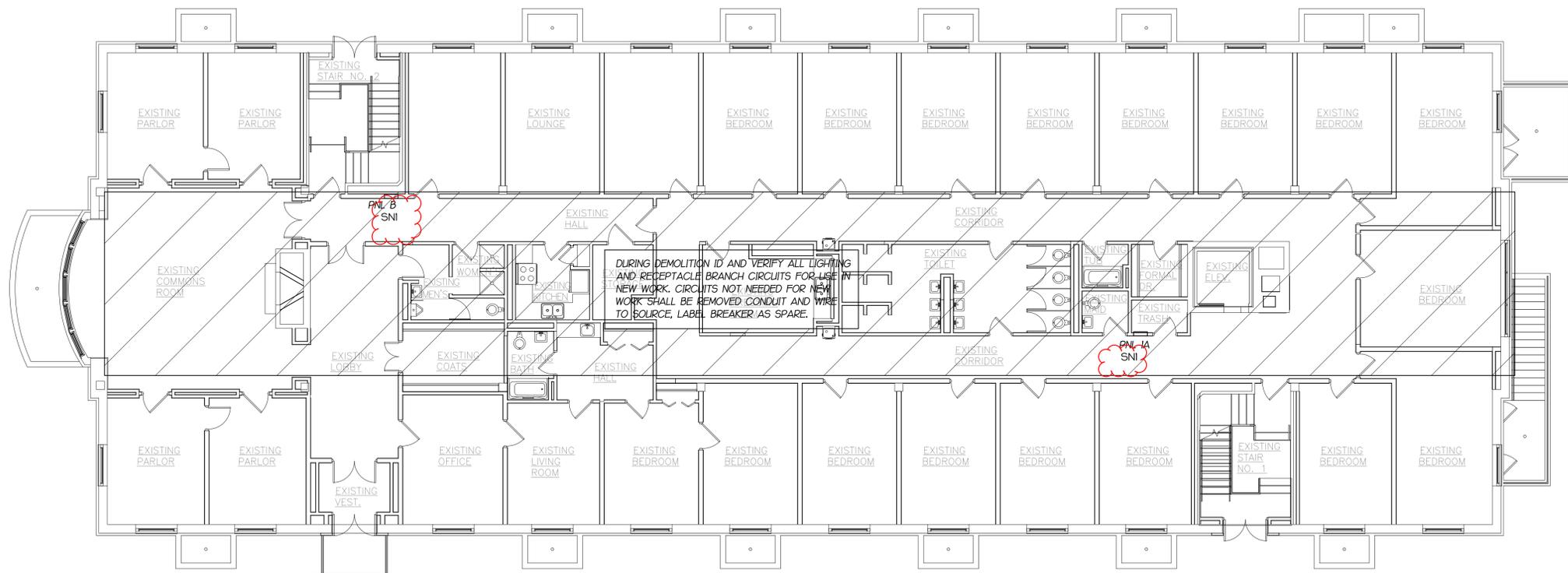


WATER RISER DIAGRAM
 SCHEMATIC

NOTES THIS SHEET

1. ROUTE PIPING AND LOCATE VALVES SUCH THAT CW VALVE AND HW VALVE CAN BE ACCESSED THROUGH A SINGLE ACCESS DOOR.
2. RECONNECT COLD WATER AND HOT WATER AS REQUIRED TO EXISTING TOILET ROOMS, SHOWER ROOM, AND LAUNDRY ROOM.

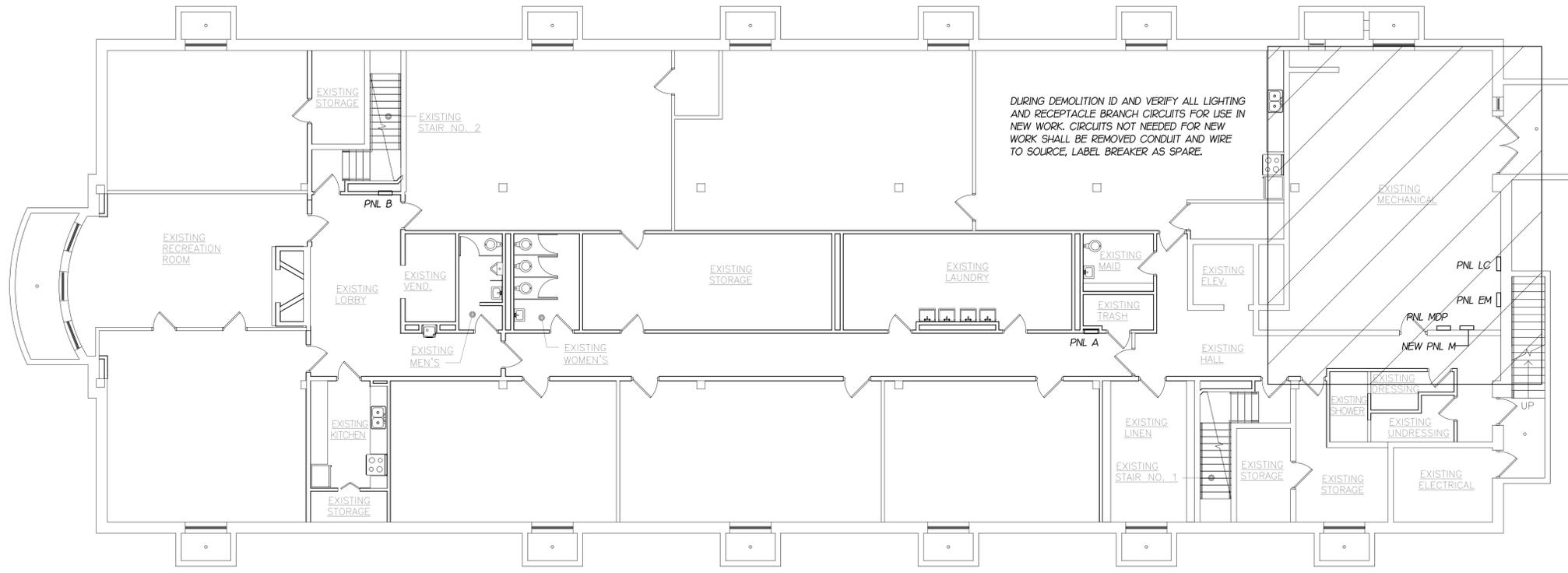
Revisions		
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2	01.27.25	Addendum 002



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

SHEET NOTES:

SNI - BASED ON THE AS BUILT DRAWINGS, DEMOLITION IN CORE AREA OF FIRST FLOOR WILL FREE-UP CIRCUITS FOR RENOVATION NEW WORK:
PANEL 1A - 5,7,9,22,24,26,27,29, & 31
PANEL 1B - 2,4,5,16,22 & 23



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

DRAWN BY: WBB
CHECKED BY: WBB

BASEMENT AND FIRST FLOOR PLANS - ELECTRICAL DEMOLITION

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Salem, Virginia

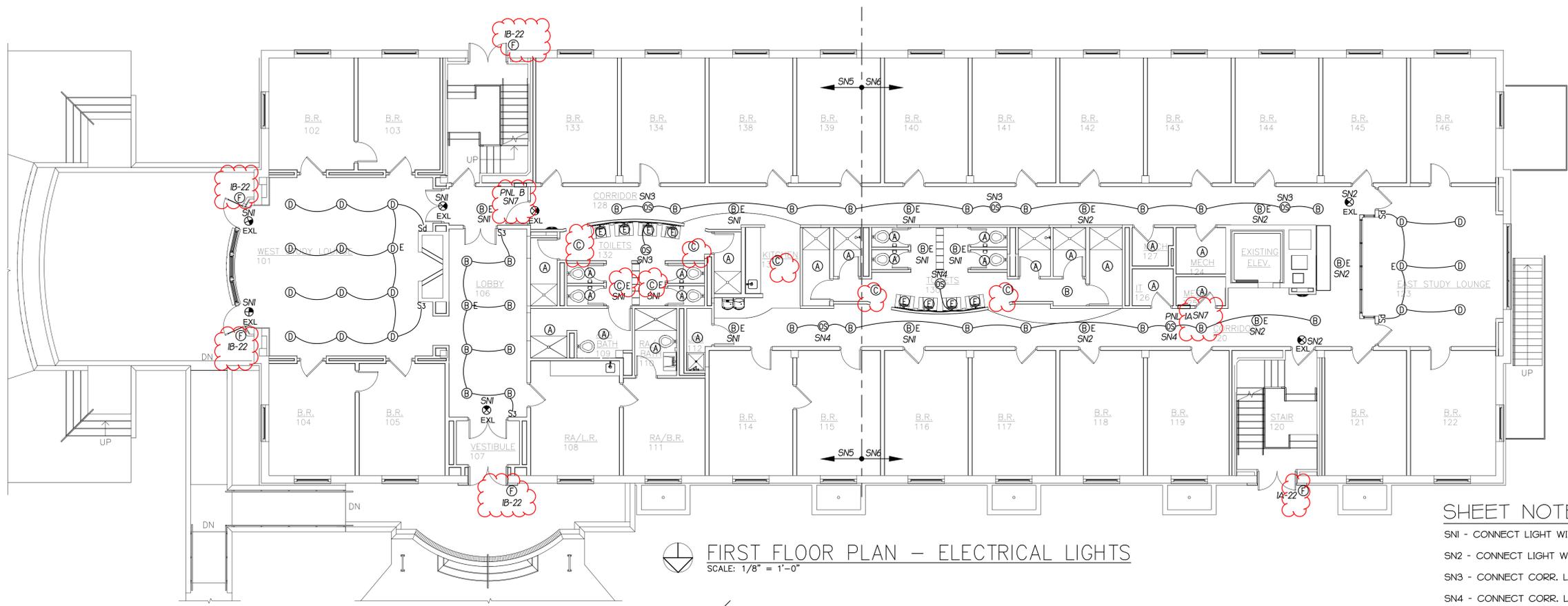
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BASEMENT AND FIRST FLOOR PLANS - ELECTRICAL LIGHTING

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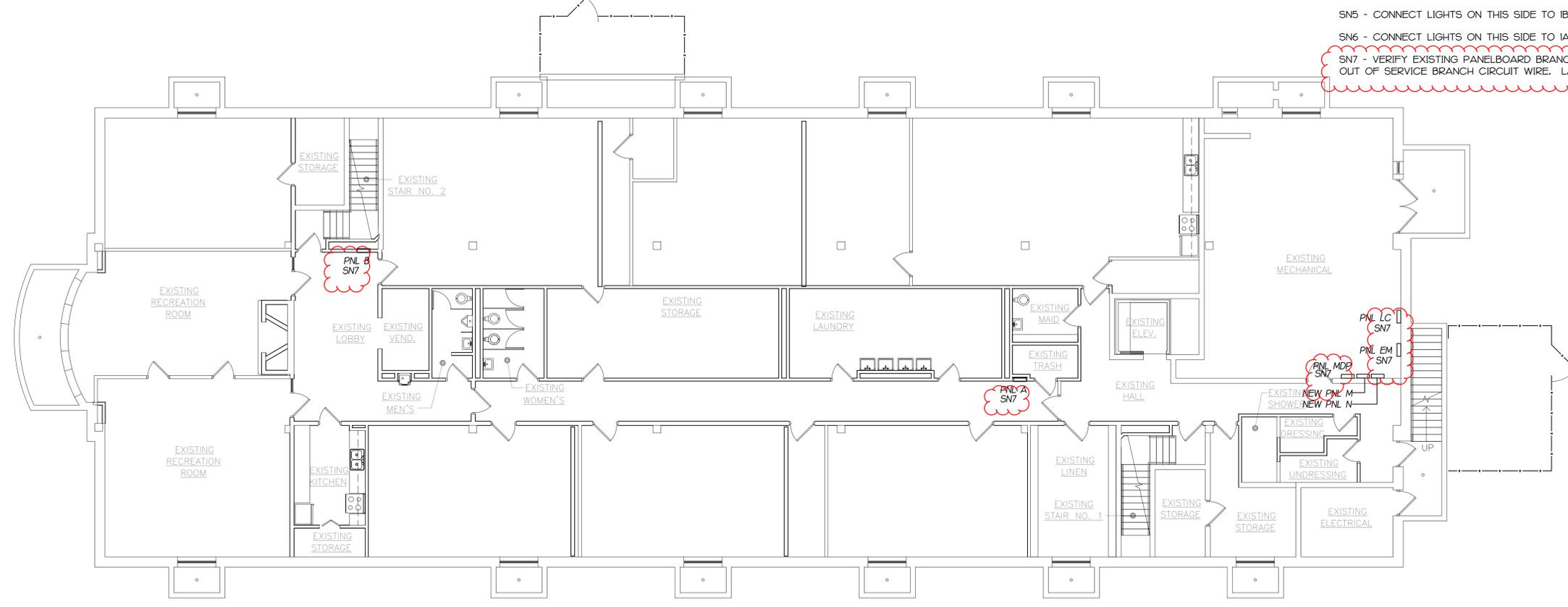
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FIRST FLOOR PLAN - ELECTRICAL LIGHTS
SCALE: 1/8" = 1'-0"

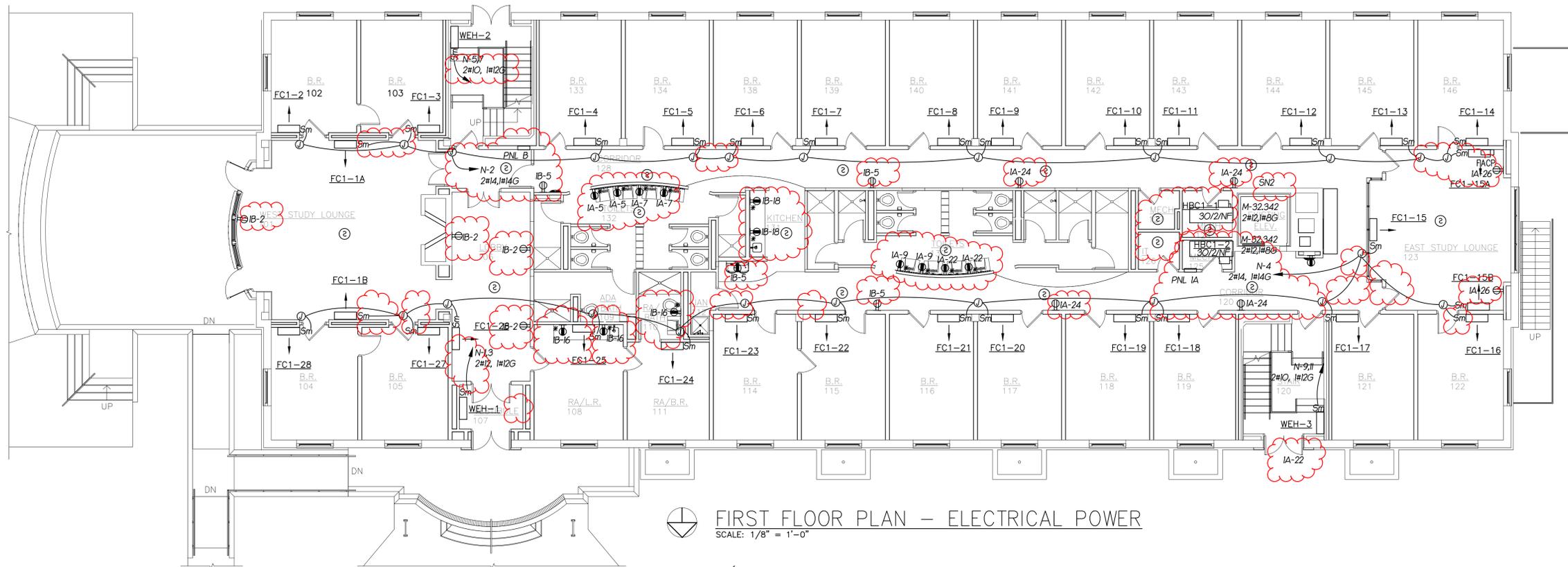
SHEET NOTES:
 SN1 - CONNECT LIGHT WITH EM BALLAST TO CIRCUIT IB-22
 SN2 - CONNECT LIGHT WITH EM BALLAST TO CIRCUIT IA-22
 SN3 - CONNECT CORR. LTS & OCCUPANCY SENSOR TO CIRCUIT IB-23
 SN4 - CONNECT CORR. LTS & OCCUPANCY SENSOR TO CIRCUIT IA-24
 SN5 - CONNECT LIGHTS ON THIS SIDE TO IB-4 UNLESS NOTED OTHERWISE.
 SN6 - CONNECT LIGHTS ON THIS SIDE TO IA-7 UNLESS NOTED OTHERWISE.
 SN7 - VERIFY EXISTING PANELBOARD BRANCH CIRCUITS AND REMOVE ALL OUT OF SERVICE BRANCH CIRCUIT WIRE. LABEL AS SPARE.



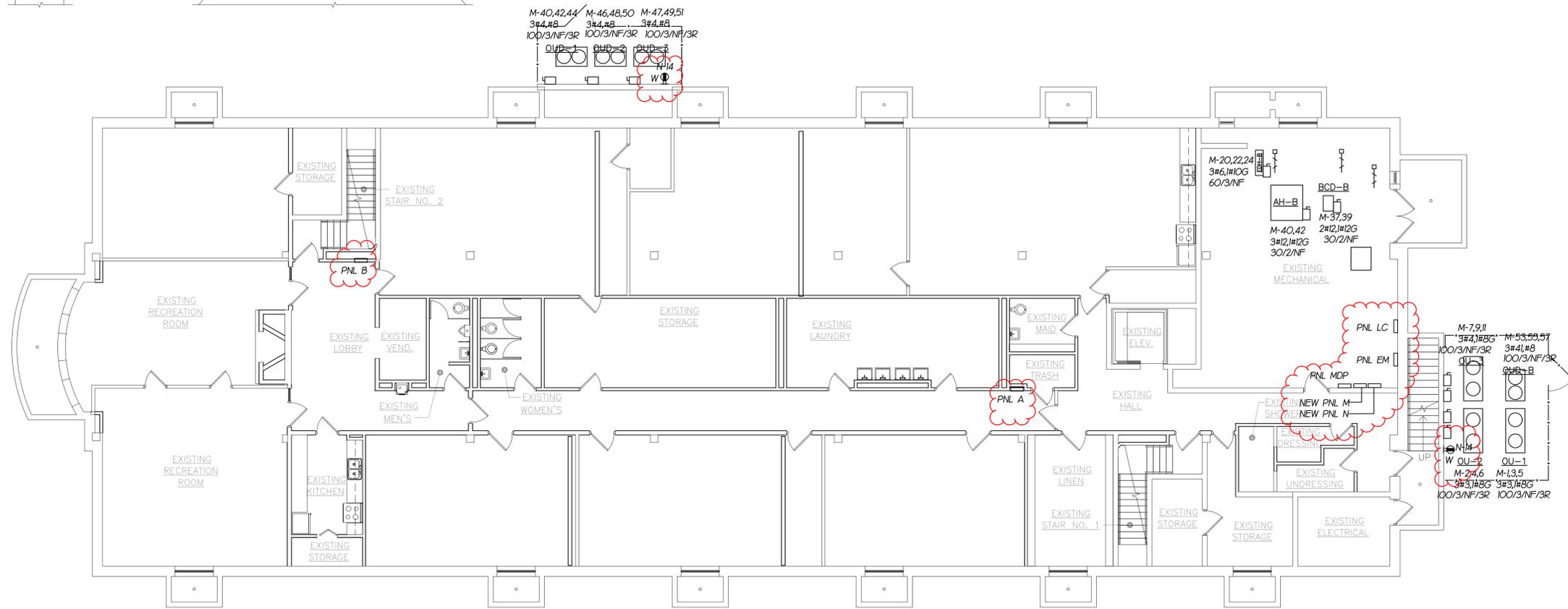
BASEMENT FLOOR PLAN - ELECTRICAL LIGHTS
SCALE: 1/8" = 1'-0"

Revisions

No.	Date	Description
1	01.21.25	Addendum 001
2	01.27.25	Addendum 002



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



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

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1	01.21.25	Addendum 001
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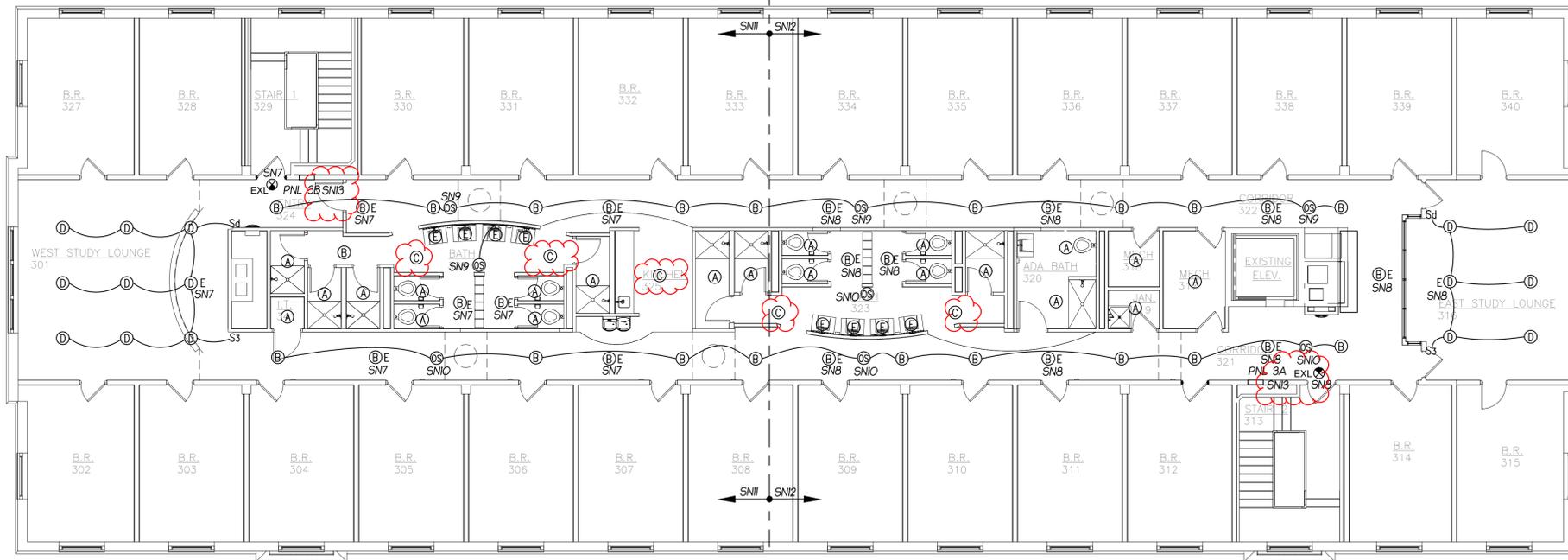
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SECOND AND THIRD FLOOR PLANS - ELECTRICAL LIGHTING

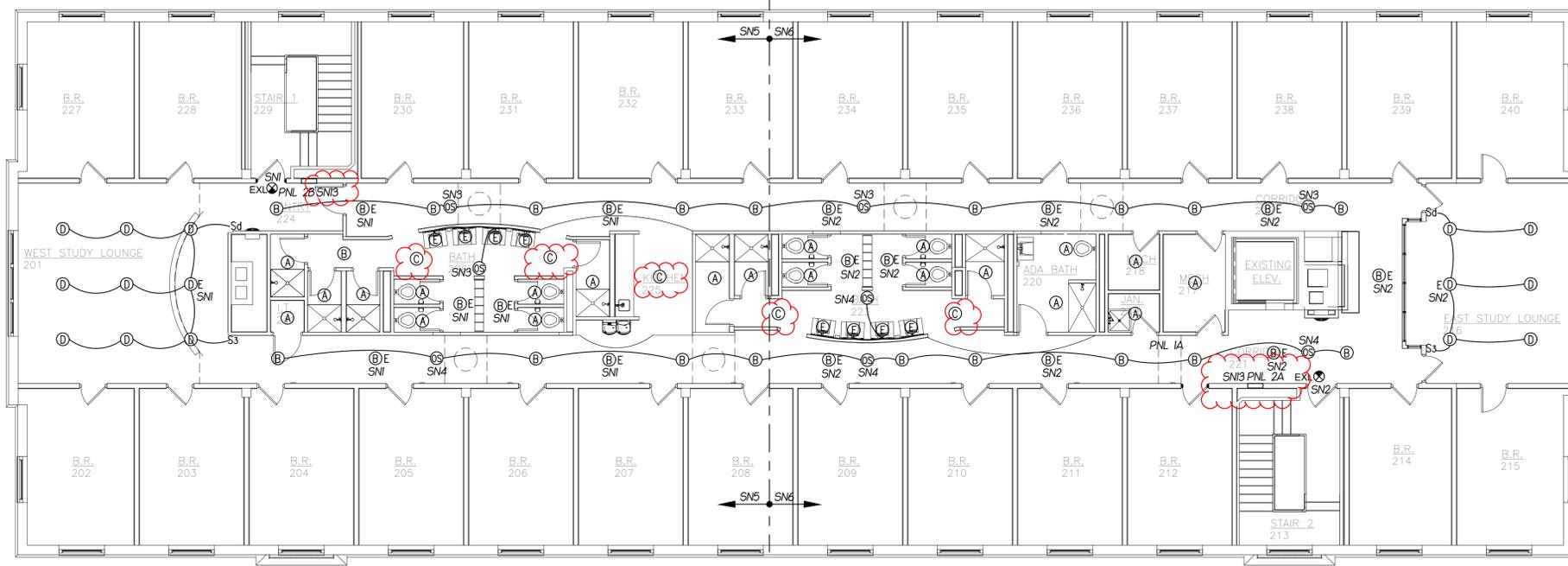
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THIRD FLOOR PLAN - ELECTRICAL LIGHTS
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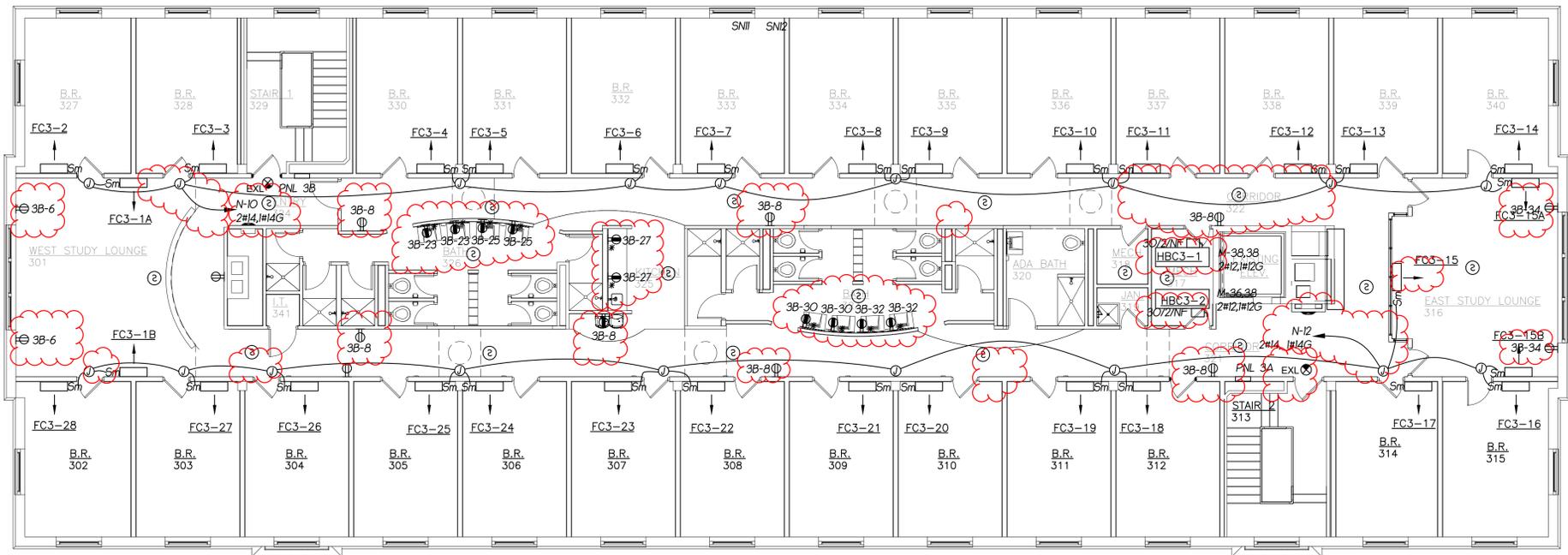
SECOND FLOOR PLAN - ELECTRICAL LIGHTS
SCALE: 1/8" = 1'-0"

SHEET NOTES:

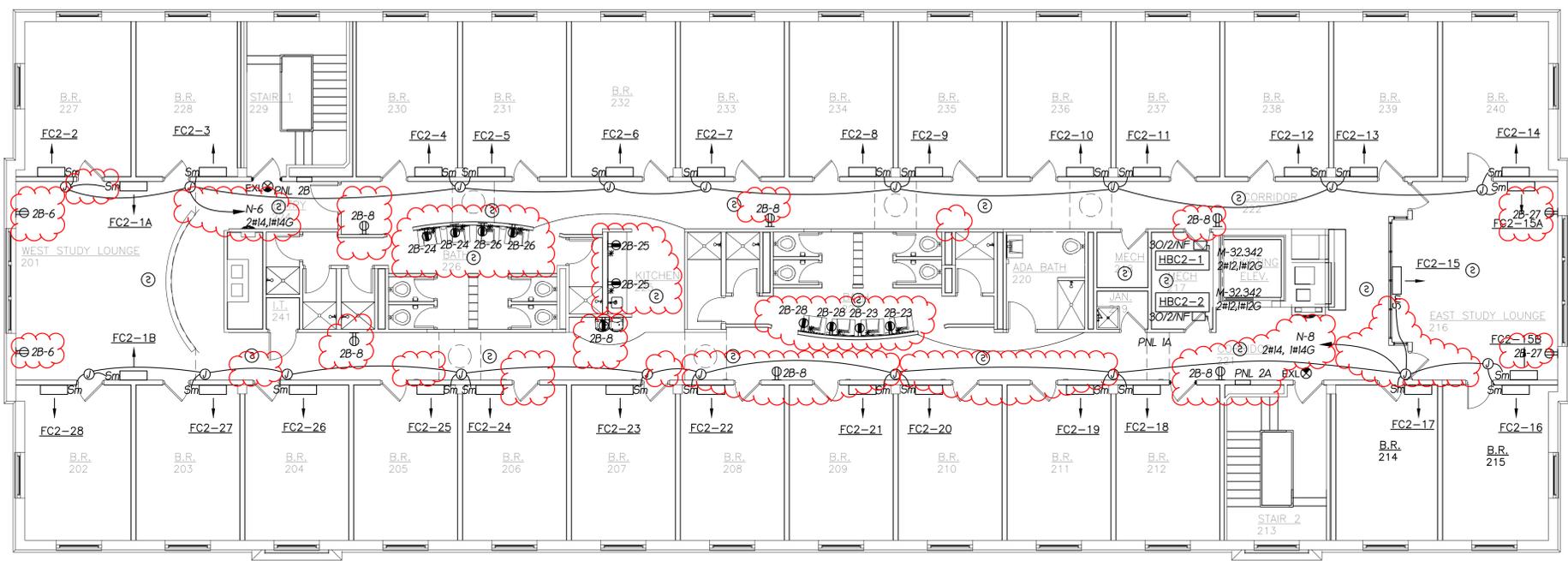
- SN1 - CONNECT LIGHT WITH EM BALLAST TO CIRCUIT 2B-25
- SN2 - CONNECT LIGHT WITH EM BALLAST TO CIRCUIT 2A-27
- SN3 - CONNECT CORR. LTS & OCCUPANCY SENSOR TO CIRCUIT 2B-23
- SN4 - CONNECT CORR. LTS & OCCUPANCY SENSOR TO CIRCUIT 2A-25
- SN5 - CONNECT LIGHTS ON THIS SIDE TO 2B-24 UNLESS NOTED OTHERWISE.
- 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.
- SN13 - VERIFY EXISTING PANELBOARD BRANCH CIRCUITS AND REMOVE ALL OUT OF SERVICE BRANCH CIRCUIT WIRE. LABEL AS SPARE.

SN12 - CONNECT LIGHTS ON THIS SIDE TO 3A-8 UNLESS NOTED OTHERWISE.
SN13 - VERIFY EXISTING PANELBOARD BRANCH CIRCUITS AND REMOVE ALL OUT OF SERVICE BRANCH CIRCUIT WIRE. LABEL AS SPARE.

Revisions		
No.	Date	Description
1	01.21.25	Addendum 001
2	01.27.25	Addendum 002



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



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

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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 APPLIANCES AS SHOWN ON DRAWINGS COMPATIBLE WITH THE EXISTING SIMPLEX 4100 ADDRESSABLE AUTOMATIC FIRE ALARM SYSTEM. PROVIDE APPLIANCES AND NAC EXTENDER PANEL(S) AS NEEDED. EXISTING APPLIANCES ARE TO BE RE-USED. 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

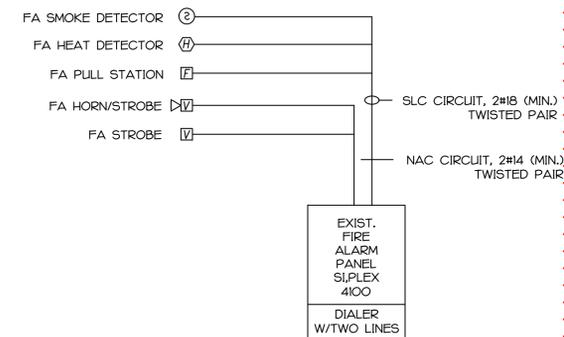
STANDARD SYMBOLS, SOME MAY NOT BE USED ON THIS PROJECT.

- 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.
- FLUSH MOUNTED SPEC GRADE 15A TAMPER RESISTANT WR GFIC DUPLEX RECEPTACLE WITH HEAVY DUTY WEATHERPROOF IN-USE COVER. 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

FIRE ALARM SYMBOL SCHEDULE

STANDARD SYMBOLS - SOME DEVICES SHOWN MAY NOT BE USED ON THIS PROJECT

- FACP FIRE ALARM CONTROL PANEL
- FIRE ALARM PULL STATION (48" AFF)
- FIRE ALARM HORN/STROBE (90" AFF) 30CD UNLESS NOTED OTHERWISE
- FIRE ALARM HORN/STROBE CEILING MOUNTED 30CD UNLESS NOTED OTHERWISE
- FIRE ALARM STROBE (90" AFF) 15CD UNLESS NOTED OTHERWISE
- SMOKE DETECTOR
- FIREMAN'S KNOX BOX (48" AFF)
- HEAT DETECTOR



FIRE ALARM NOTES:
1. EXISTING FIRE ALARM APPLIANCE ARE TO BE USED. PROVIDE NEW DEVICES AS NEEDED.
2. PROVIDE NAC EXTENDER PANELS AS REQUIRED.
3. PRIOR TO INSTALLATION THE FA CONTRACTOR SHALL SUBMIT FOR APPROVAL: EQUIPMENT SHOP DRAWINGS, ALARM MATRIX, RISER DIAGRAM AND BATTERY CALCULATIONS TO AUTHORITY HAVING JURISDICTION.

FIRE ALARM RISER DIAGRAM
NOT TO SCALE

Revisions		
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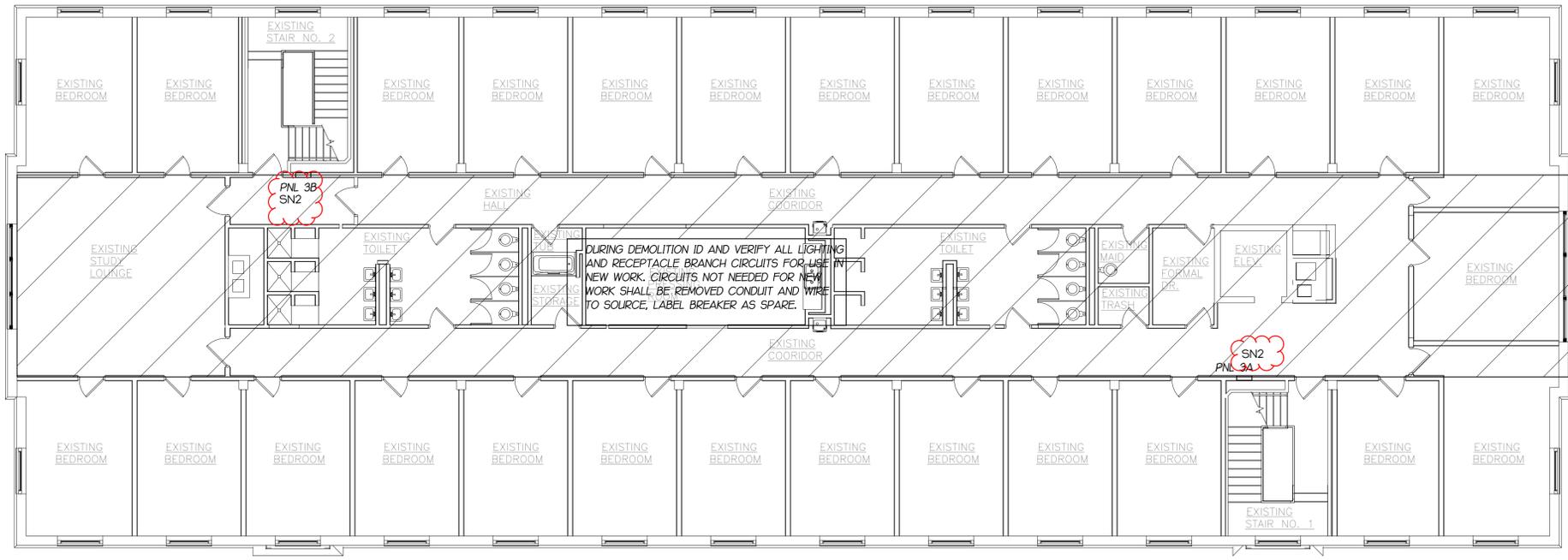
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SECOND AND THIRD FLOOR PLANS - ELECTRICAL DEMOLITION

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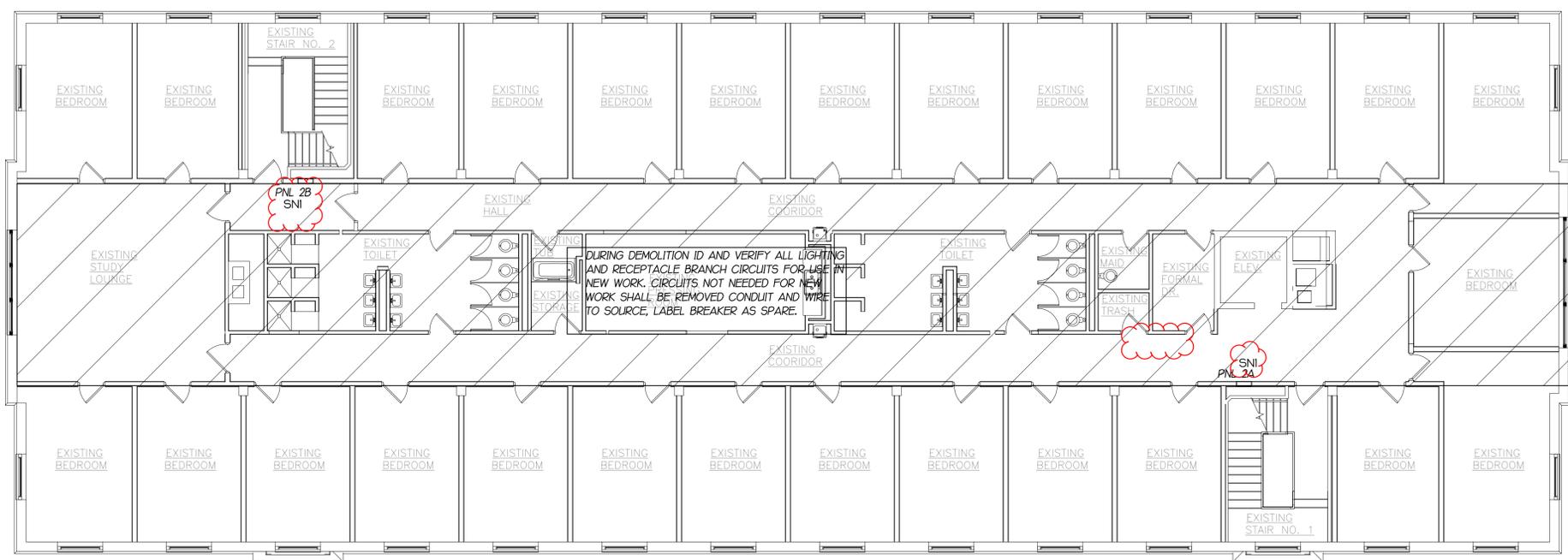


THIRD FLOOR PLAN - ELECTRICAL DEMOLITION
SCALE: 1/8" = 1'-0"

SHEET NOTES:

SN1 - BASED ON THE AS BUILT DRAWINGS, DEMOLITION IN CORE AREA OF SECOND FLOOR WILL FREE-UP CIRCUITS FOR RENOVATION NEW WORK:
PANEL 2A - 6,8
PANEL 2B - 6,8,23,24,25,26,27,28,30 & 31

SN2 - BASED ON THE AS BUILT DRAWINGS, DEMOLITION IN CORE AREA OF SECOND FLOOR WILL FREE-UP CIRCUITS FOR RENOVATION NEW WORK:
PANEL 3A - 6,8
PANEL 3B - 6,8,23,24,25,26,27,28,30,32 & 34



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