

# CHANTILLY HIGH SCHOOL PHYSICS LAB & CLASSROOM ADDITIONS

4201 STRINGFELLOW RD., CHANTILLY, VIRGINIA 20151

**BID SET**  
May 7, 2024

FAIRFAX COUNTY PUBLIC SCHOOLS  
OFFICE OF FACILITIES MANAGEMENT  
5025 SIDEBURN RD.  
FAIRFAX, VA 22032

**BJUA # 24002.01**



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**PROJECT CONTACT INFORMATION**

**OWNER**  
FAIRFAX COUNTY PUBLIC SCHOOLS  
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PROJECT MANAGER: Donald Ley, AIA  
EMAIL: dley@bjarchitects.com

**CONSULTANTS**

**EHLERT BRYAN**  
consulting structural engineers  
8609 Westwood Center Dr., Suite 800  
Tysons, VA 22182  
T: 703-827-9552 F: 703-356-2031  
PRINCIPAL: Tom Bouffard, PE  
PROJECT MANAGER:  
EMAIL: tbouffard@ehlert-bryan.com

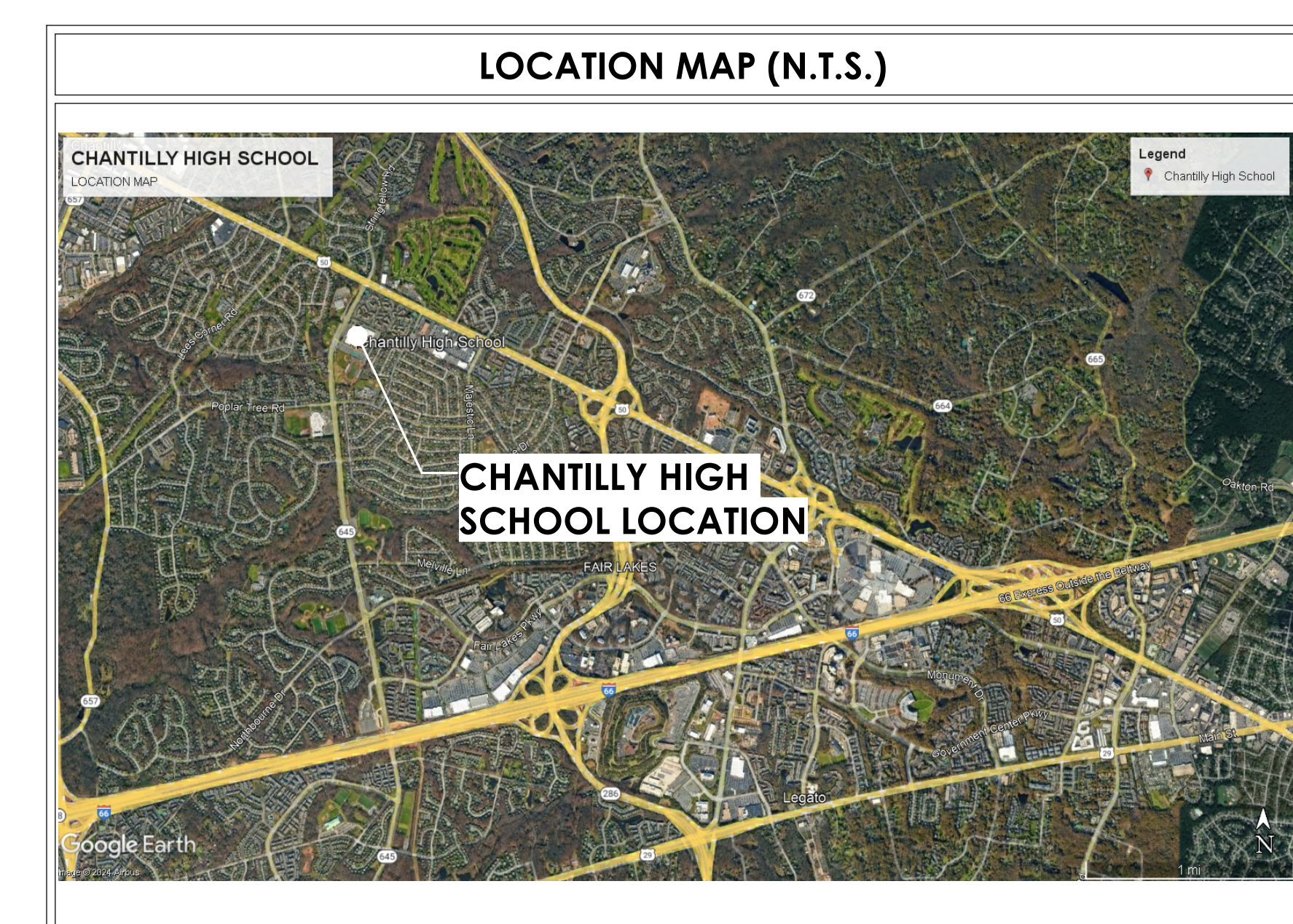
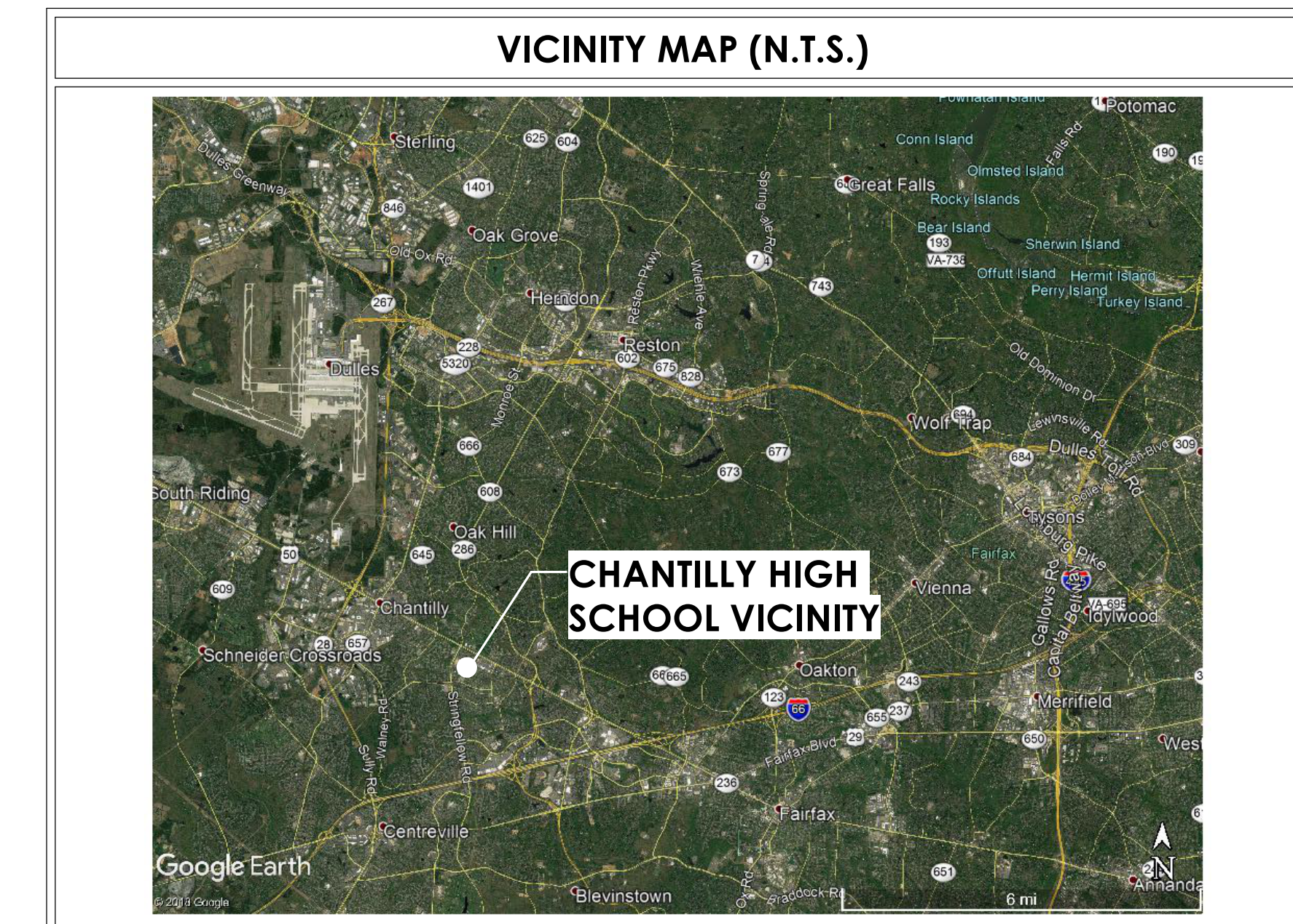
**Strickler Associates, Ltd.**  
9900 Main Street, Suite 300  
Fairfax, VA 22031-3907  
T: 703-273-5441 F: 703-273-8846  
PRINCIPAL: Al Gerber  
PROJECT MANAGER: Bobby Callahan  
EMAIL: bcallahan@stricklerassociates.com

**BUILDING AREA**

EXISTING FLOOR AREA	
FIRST FLOOR	271,825 SF
SECOND FLOOR	108,350 SF
<b>TOTAL</b>	<b>380,175 SF</b>

RENOVATION FLOOR AREA	
FIRST FLOOR	2,676 SF
SECOND FLOOR	1,287 SF
<b>TOTAL</b>	<b>3,963 SF</b>



FAIRFAX COUNTY PUBLIC SCHOOLS  
**Chantilly High School**  
Physics Lab and Classroom Additions  
4201 Stringfellow Rd.  
Chantilly, Virginia 20151



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Key Information

No.	Revision	Date

Sheet Title:

**COVER SHEET, SHEET INDEX & MAPS**

Drawn By: \_\_\_\_\_ Author: \_\_\_\_\_  
Issue Date: 05/07/24  
Scale: As Noted  
BJUA Project No.: 24002.01  
Sheet No.: \_\_\_\_\_

**CS**

BID SET

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GENERAL PROJECT NOTES

- GP1. REPRESENT RENOVATIONS TO AN EXISTING STRUCTURE...
GP2. COMPLETE CONSTRUCTION DOCUMENTS MAY, BUT NOT NECESSARILY, INCLUDE GENERAL CONDITIONS...
GP3. CHANGES EXECUTED IN OPPOSITION TO THE DESIGN OF THE PROJECT...
GP4. PORTIONS OF THE WORK REQUIRED FOR COMPLETION OF THE PROJECT...
GP5. PORTIONS OF THE WORK REQUIRED FOR COMPLETION OF THE PROJECT...
GP6. THE CONSTRUCTION DOCUMENTS ARE SCHEMATIC IN NATURE...
GP7. ALL CONSTRUCTION DOCUMENTS AS PART OF THE CONTRACT DOCUMENTS INCLUDING PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES...
GP8. PROVIDE ALL LABOR, BUILDING MATERIALS, PARTS, COMPONENTS, SYSTEMS, AND EQUIPMENT...
GP9. THE CONSTRUCTION DOCUMENTS ARE ADDRESSED TO THE GENERAL CONTRACTOR...
GP10. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SCHEDULING, PROCEDURES, SAFETY PRACTICES AND PROGRAMS...
GP11. THE ARCHITECT SHALL BE HELD HARMLESS FOR THE ACTIONS, OR OMISSIONS OF THE GENERAL CONTRACTOR...
GP12. POSSESS AND MAINTAIN A COMPLETE SET OF THE MOST CURRENT CONSTRUCTION DOCUMENTS...
GP13. BIDDERS FOR ANY AND ALL PORTIONS OF THE WORK OF THE PROJECT SHALL VISIT THE SITE OF THE PROJECT...
GP14. THE USE OF ASBESTOS CONTAINING MATERIALS OR OTHER RECOGNIZED AND REGULATED HAZARDOUS MATERIALS...
GP15. PROVIDE MATERIAL SAFETY DATA SHEETS FOR ALL MATERIALS UTILIZED ON THE PROJECT...
GP16. PROVIDE SITE SECURITY INCLUDING SECURITY FENCING AND PROTECTIVE DEVICES AS REQUIRED...
GP17. PROVIDE PROJECT IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, REGULATIONS, CODES, AND COVENANTS...
GP18. PROVIDE PROJECT SPECIFICALLY IN COMPLIANCE WITH THE LETTER AND INTENT OF THE AMERICANS WITH DISABILITIES ACT (ADA)...
GP19. MAINTAIN A COPY OF APPLICABLE CODES AND REFERENCED STANDARDS ON THE PROJECT SITE...
GP20. SCHEDULE AND MANAGE ALL INSPECTIONS BY THE LOCAL AUTHORITIES...
GP21. DO NOT COVER WORK REQUIRING INSPECTION UNTIL APPROVED BY INSPECTORS...
GP22. OBTAIN LOCAL AUTHORITY APPROVAL AND OCCUPANCY PERMITS...
GP23. PROVIDE FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS OF TYPES AND SIZES WHERE AND AS SHOWN ON THE DRAWINGS...
GP24. PROVIDE WATER SUPPLY SYSTEMS AND SANITARY WASTE DISPOSAL SYSTEMS AS SPECIFIED AND AS REQUIRED BY LOCAL AUTHORITIES...
GP25. PROVIDE AND COORDINATE SYSTEM TESTING AND TROUBLESHOOTING WITH AUTHORITIES...

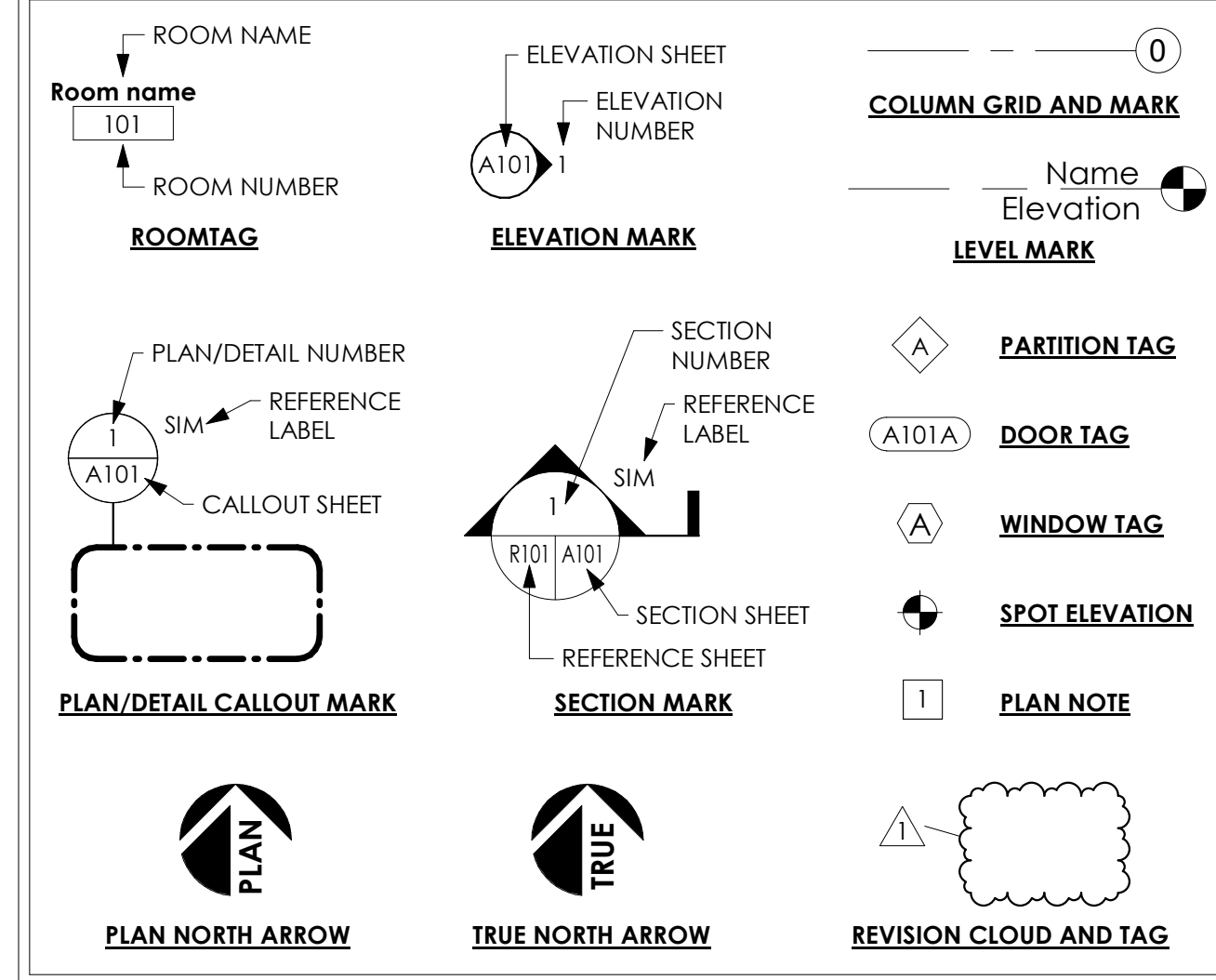
GENERAL DEMOLITION NOTES

- GD1. THE FOLLOWING DEMOLITION NOTES REFER TO THE ENTIRE BUILDING...
GD2. THE DEMOLITION DRAWINGS AND THE DEMOLITION KEY NOTES ARE INTENDED TO GRAPHICALLY REPRESENT ITEMS AND AREAS OF CONSTRUCTION...
GD3. TO DETERMINE THE EXTENT AND SCOPE OF THE DEMOLITION REQUIRED...
GD4. APPLICABLE LOCAL REGULATIONS UNLESS OTHERWISE DIRECTED BY THE OWNER...
GD5. WHERE DEMOLITION OF EXISTING CONSTRUCTION LEAVES DAMAGED, ROUGH, OR UNSIGHTLY SURFACES AND EDGES EXPOSED TO VIEW...
GD6. ALL EXISTING TO REMAIN CONSTRUCTION DAMAGED DUE TO DEMOLITION SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING ADJACENT UNDAMAGED CONSTRUCTION...
GD7. GENERAL CONTRACTOR SHALL COORDINATE ALL FLOORING AND SLAB DEMOLITION...
GD8. ALL EXISTING EQUIPMENT TO REMAIN SHALL BE PROTECTED DURING THE COURSE OF CONSTRUCTION...
GD9. ALL DEMOLITION THAT REQUIRES REMOVAL OF EXISTING UTILITIES AND SERVICES SHALL BE COORDINATED WITH ALL CONTRACT DOCUMENTS...
GD10. SHOULD ASBESTOS CONTAINING OR QUESTIONABLE MATERIAL, OTHER THAN THAT NOTED IN THE CONTRACT DOCUMENTS...
GD11. PATCH EXISTING TO REMAIN WALL SURFACES AND APPLY WALL FINISHES AS SCHEDULED...
GD12. OPENINGS PROVIDED IN EXISTING MASONRY WALLS SHALL BE SUFFICIENTLY SIZED TO ALLOW FOR TOODING OF MASONRY AT JAMBS AND LINTELS...
GD13. CUT MASONRY COURSING AT EXPOSED CONDITIONS SHALL NOT BE PERMITTED...
GD14. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COVER ALL EQUIPMENT, FURNISHINGS, AND ASSOCIATED CONSTRUCTION TO REMAIN BEFORE ANY DEMOLITION COMMENCES...

GENERAL CONSTRUCTION NOTES

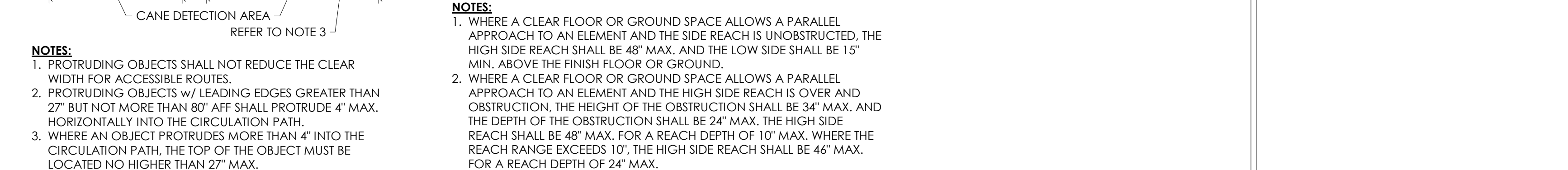
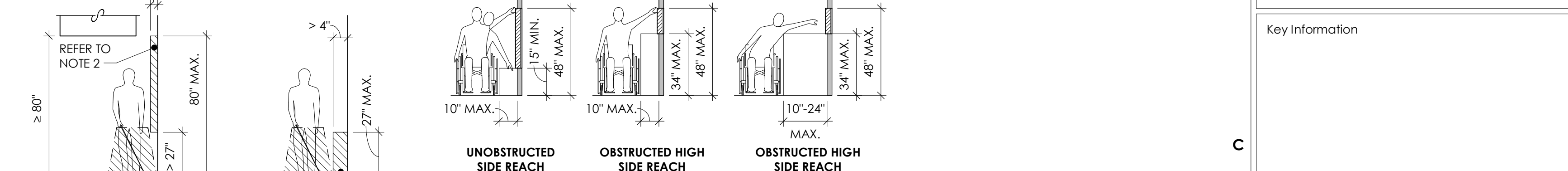
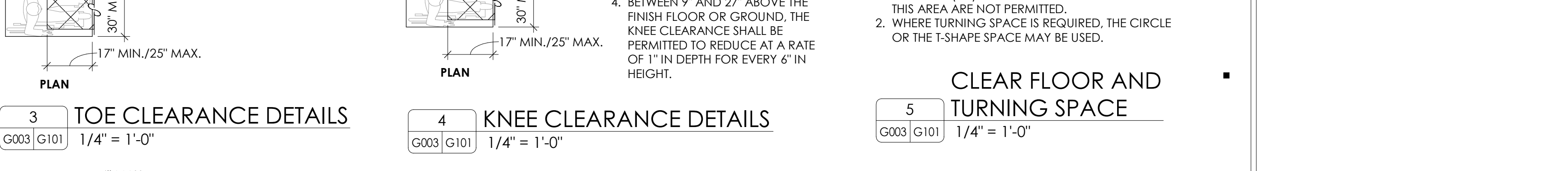
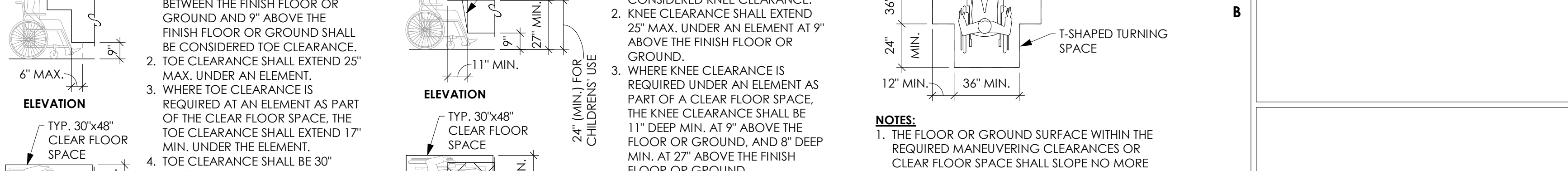
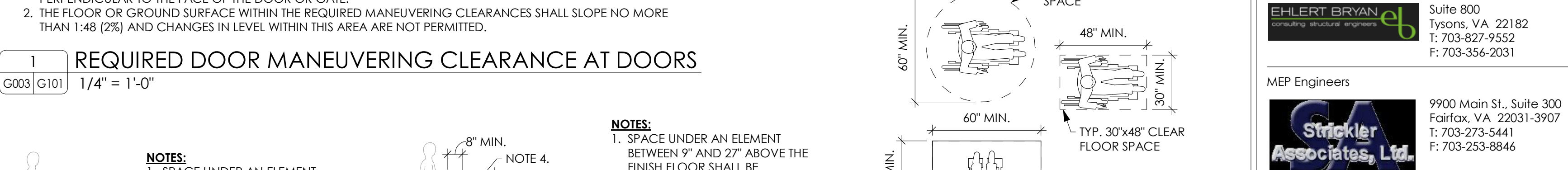
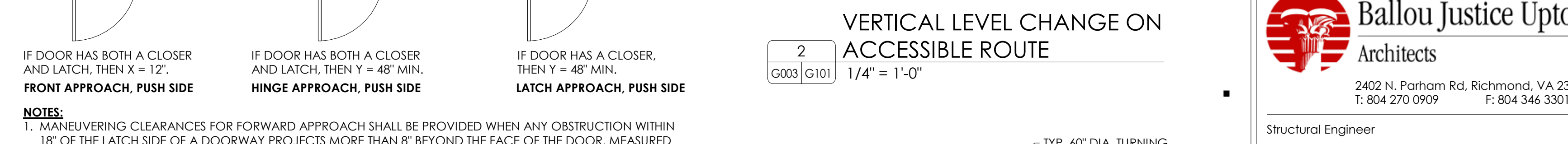
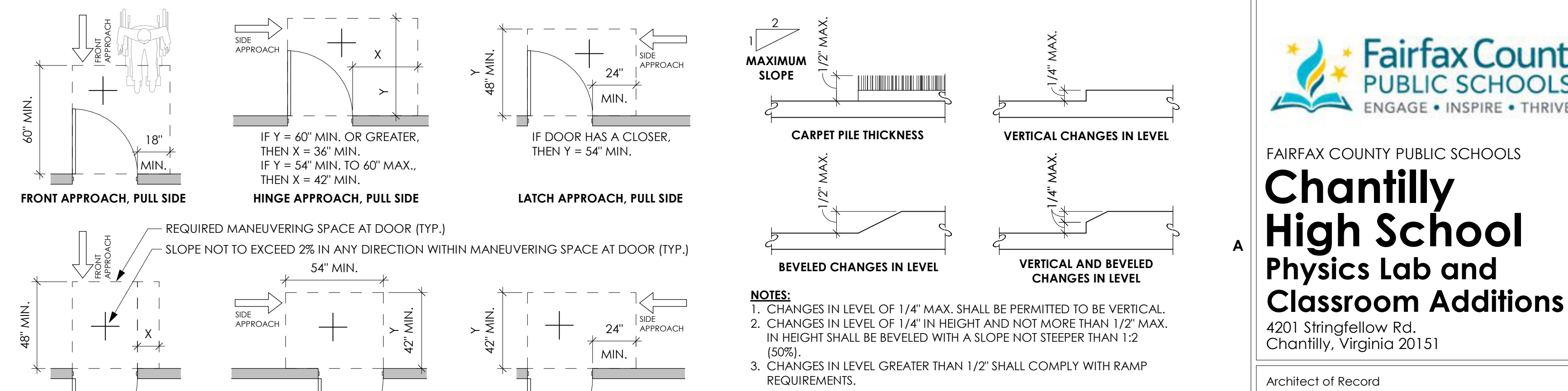
- GC1. THE SCOPE OF WORK FOR THIS PROJECT IS DEFINED IN THE DRAWINGS AND THE SPECIFICATIONS...
GC2. NOT ALL WORK RELATING TO THE FLOOR, WALL, AND/OR ROOF PENETRATIONS FOR THE INSTALLATION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL ELEMENTS IS SHOWN...
GC3. ALL RATED WALLS MUST EXTEND TIGHT TO UNDERSIDE OF THE NON-COMBUSTIBLE CONSTRUCTION ABOVE...
GC4. CONTRACTOR MUST EXTEND CMU WALLS AND METAL STUD WALLS TO THE UNDERSIDE OF FLOOR OR ROOF ASSEMBLY ABOVE...
GC5. ALL ANNULAR SPACES AROUND PENETRATIONS OF FIRE RATED CONSTRUCTION MUST BE PROTECTED IN ACCORDANCE WITH CODE AND SPECIFICATION DIVISION 5...
GC6. INSTALL HINGE SIDE OF ALL DOORS 6" AWAY FROM ADJACENT WALL UNLESS NOTED OTHERWISE...
GC7. GENERAL CONTRACTOR MUST INSTALL FIRE RETARDANT TREATED SOLID WOOD BLOCKING FOR THE ATTACHMENT OF ALL ITEMS TO METAL STUD WALLS SPECIFIED AND SHOWN ON DRAWINGS...
GC8. ALL DOORS, FRAMES, AND ASSOCIATED HARDWARE, IN FIRE RATED ASSEMBLIES, REQUIRES A RATING CONSISTENT WITH THAT ASSEMBLY.

SYMBOLS LEGEND



ABBREVIATIONS

Table with 4 columns: Abbreviation (e.g., @, A/E, ABV), Full Name (e.g., ARCHITECT/ENGINEER, ABOVE), and another column with additional abbreviations and full names (e.g., L, LAB, LABOURATORY).



Fairfax County Public Schools logo and Chantilly High School Physics Lab and Classroom Additions project information.

Ballou Justice Upton Architects logo and contact information.

EHLERT BRYAN logo and contact information.

MFP Engineers logo and contact information.

Strickler Associates, Ltd. logo and contact information.

Key Information section.

Table with 3 columns: No., Revision, Date.

GEN. NOTES, ABBREVIATIONS & ACCESSIBILITY STANDARDS

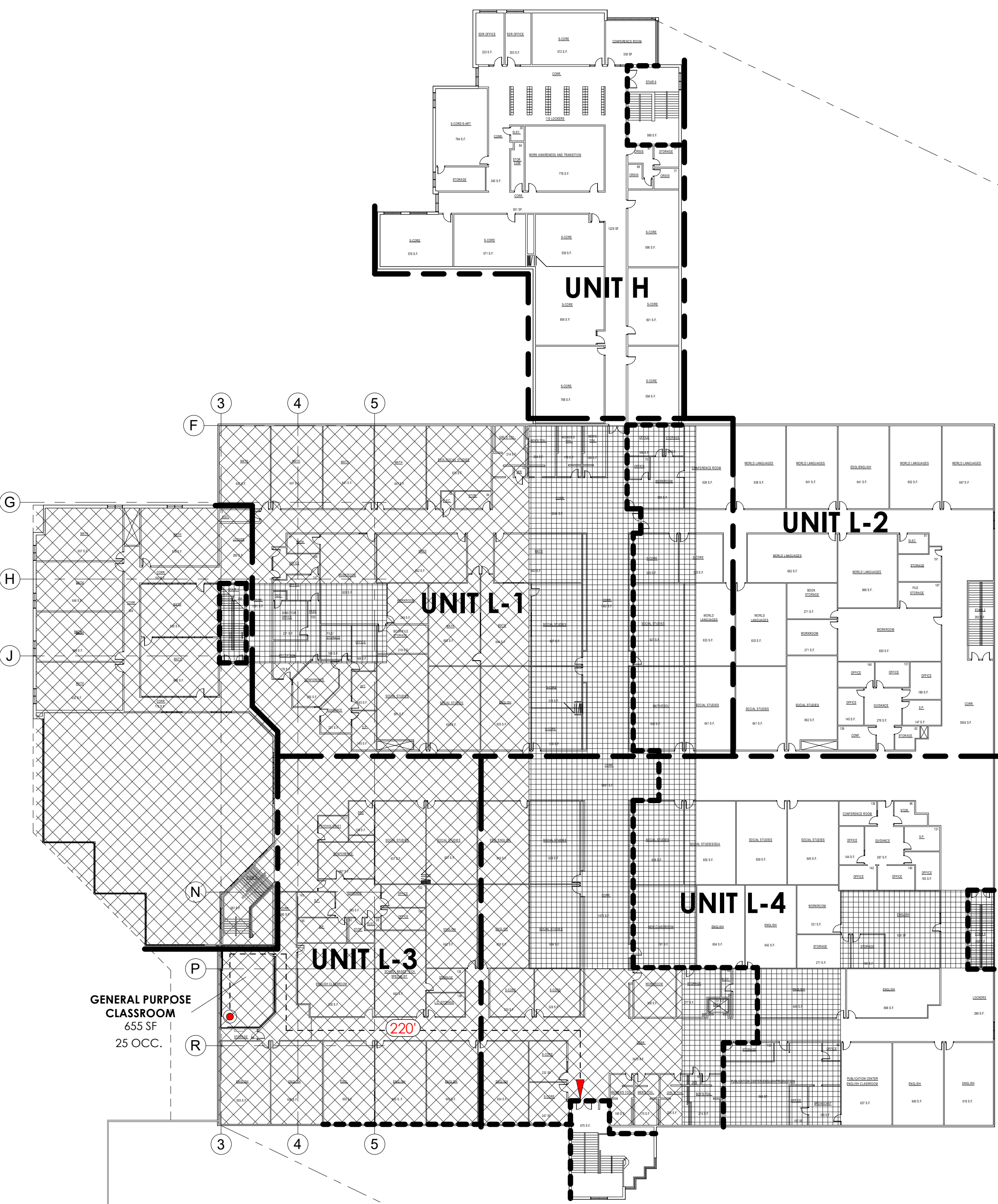
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G101

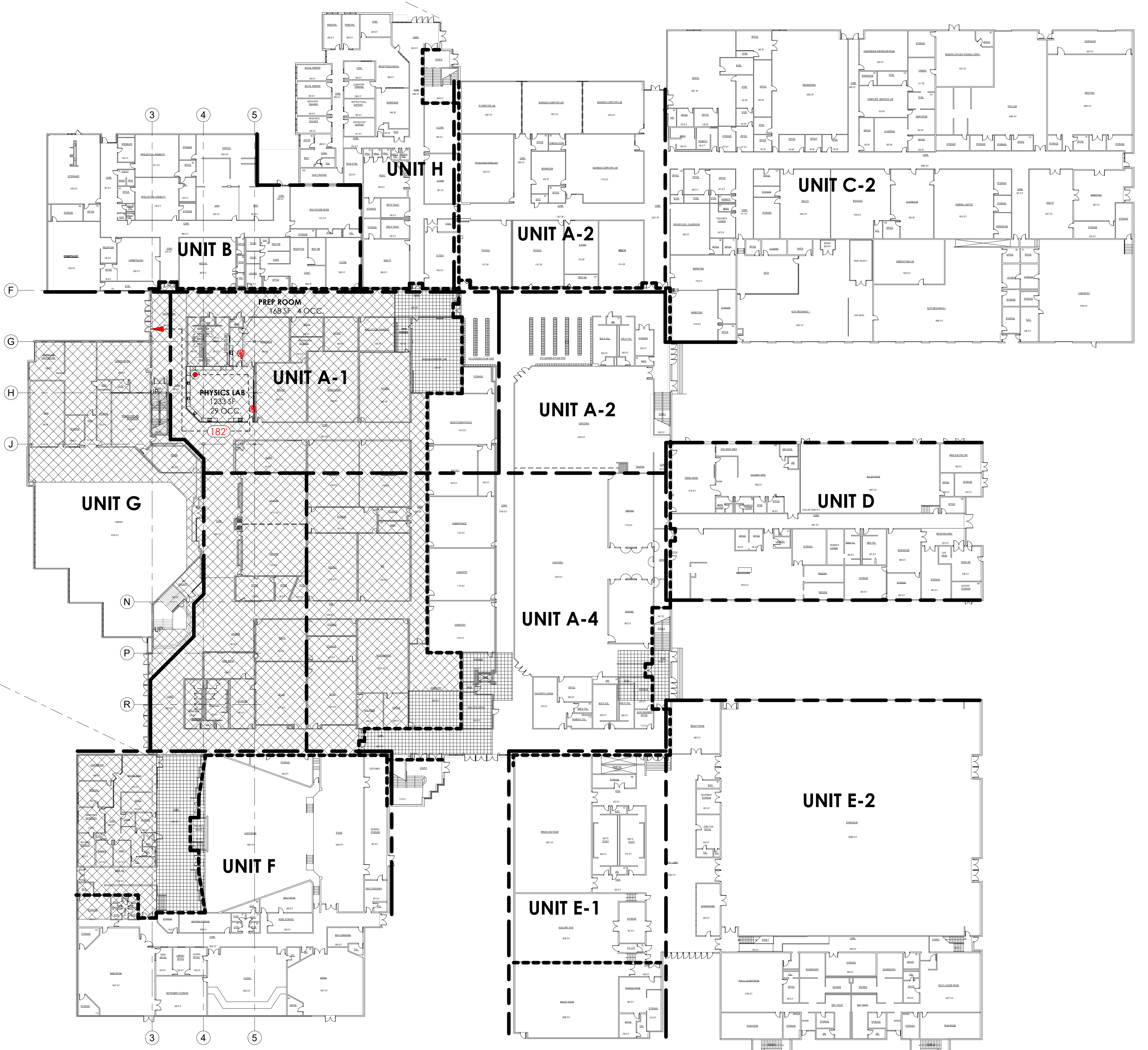
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3 OVERALL SECOND FLOOR PLAN  
A101 | LS101 | 1/32" = 1'-0"



OVERALL FIRST FLOOR PLAN  
SCALE: 1/32" = 1'-0"

**GEN. LIFE SAFETY PLAN NOTE**

A. REFER TO REFLECTED CEILING PLANS (SHEETS A901-A902) FOR BUILDING EXIT LIGHT LOCATIONS.

**CODE INFORMATION TABLE**

**APPLICABLE CODES:**  
2021 VIRGINIA EXISTING BUILDING CODE  
- LEVEL 2 ALTERATIONS  
ICC A117.1 - 2009 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES

**INTENDED USE:**  
2,962 PUPIL HIGH SCHOOL

**USE GROUP:**  
E - EDUCATIONAL

**CONSTRUCTION TYPE:**  
EXISTING IIA & IIB; FULLY SPRINKLERED

**BUILDING FLOOR AREA:**  
380,175 SF (EXISTING = 271,825 SF - FIRST FL.  
108,350 SF - SECOND FL.  
380,175 SF - TOTAL)  
(NEW = 0 SF)

**ALLOWABLE FLOOR AREA:**  
43,500 SQ. FT. (VCC TABLE 506.2)

**PROGRAM OCCUPANT LOAD:**  
NA

**CODE OCCUPANT LOAD (PER VCC TABLE 2902.1)**  
5,994 TOTAL OCCUPANTS (GROUP 1)  
4,568 TOTAL OCCUPANTS (GROUP 2)

**MAXIMUM TRAVEL DISTANCE (PER VCC TABLE 1017.2)**  
250 FT.

**LIFE SAFETY LEGEND**

**ROOM TAG**

Room Name  
DESIGN OCCUPANT LOAD  
CODE OCCUPANT LOAD

**DOOR EGRESS TAG**

CALCULATED OCCUPANT LOAD  
ACTUAL OCCUPANT LOAD  
CLEAR EGRESS WIDTH (TOTAL)

SURFACE MOUNTED FIRE EXTINGUISHER (FE): REFER TO 5/A201.

TWO HOUR RATED FIRE WALL (EXISTING)

EXISTING PARTITION (NO RATING)

CONCRETE MASONRY UNIT PARTITION (NO RATING)

GYPSUM BOARD PARTITION OR FURRING (NO RATING)

PATH OF EGRESS TRAVEL AND DISTANCE

EXTENTS OF EXISTING 2 HOUR RATED SPRAY FIREPROOFING

EXTENTS OF EXISTING 1 HOUR RATED SPRAY FIREPROOFING

**SEPARATED FIRE AREAS**

SEE ATTACHED DRAWINGS A-6 AND A-7 DATED 02/07/1991 FOR LOCATION AND EXTENT OF EXISTING FIRE AREAS. THESE DRAWINGS ARE ATTACHED FOR REFERENCE ONLY.

**CHANTILLY HIGH SCHOOL**  
**PLUMBING FIXTURES CODE ANALYSIS**  
THE CALCULATION FOR DETERMINING THE PLUMBING FIXTURE COUNT FOR HIGH SCHOOLS WAS ESTABLISHED IN THE JUNE 11, 2003 FCPS MEMO TO FAIRFAX COUNTY AND CLARIFIED FURTHER IN DIRECTION PROVIDED BY FAIRFAX COUNTY ON THE DPWES WEBSITE ON MAY 19, 2016  
IN FURTHER DIRECTION PER THE DPWES WEBSITE, PLUMBING FIXTURE COUNTS ARE TO BE REVIEWED IN TWO GROUPS AND THE RESULTANT REQUIRED FIXTURES BE COMPARED IN ORDER TO DETERMINE THE NUMBER OF FIXTURES TO BE PROVIDED:  
1) CLASSROOMS AND ADMINISTRATIVE ROOMS USED SIMULTANEOUSLY DURING THE SCHOOL DAY.  
2) AUDITORIUM, GYMNASIA, CAFETERIA, AND OTHER SIMILAR ROOMS USED NON-SIMULTANEOUSLY FOR AFTER-SCHOOL ACTIVITIES.

THE LARGEST RESULTANT QUANTITY PER EITHER GROUP 1 OR GROUP 2 FOR EACH FIXTURE TYPE WILL BE USED. THESE ARE HIGHLIGHTED WITHIN BOXES BELOW IN THE APPROPRIATE GROUP.

**PLUMBING FIXTURE REQUIREMENTS - GROUP 1**  
BASED ON CODE-CALCULATED OCCUPANCY LOADS  
REF: IBC 2018, TABLE 2902.1

TYPE	LOAD	NOTE	WATER CLOSETS		LAVATORIES		BATHTUBS/SHOWERS		DRINKING FOUNTAINS		OTHER
			1 PER	REQ'D	1 PER	REQ'D	1 PER	REQ'D	1 PER	REQ'D	
GROUP 1 BUSINESS (B)	268	Daily Admin	25	2	25	2					1 SERVICE SINK
			50	2	50	2					
					40	2	40	2			
					80	1	80	1			
GROUP 1 EDUCATIONAL (E)	5726	Daily Classrooms	50	58	50	58	50	58	0	100	3
GROUP 1 TOTALS	5994		62	62	61	61			100	58	1 SERVICE SINK

**PLUMBING FIXTURE REQUIREMENTS - GROUP 2**  
BASED ON CODE-CALCULATED OCCUPANCY LOADS  
REF: IBC 2018, TABLE 2902.1

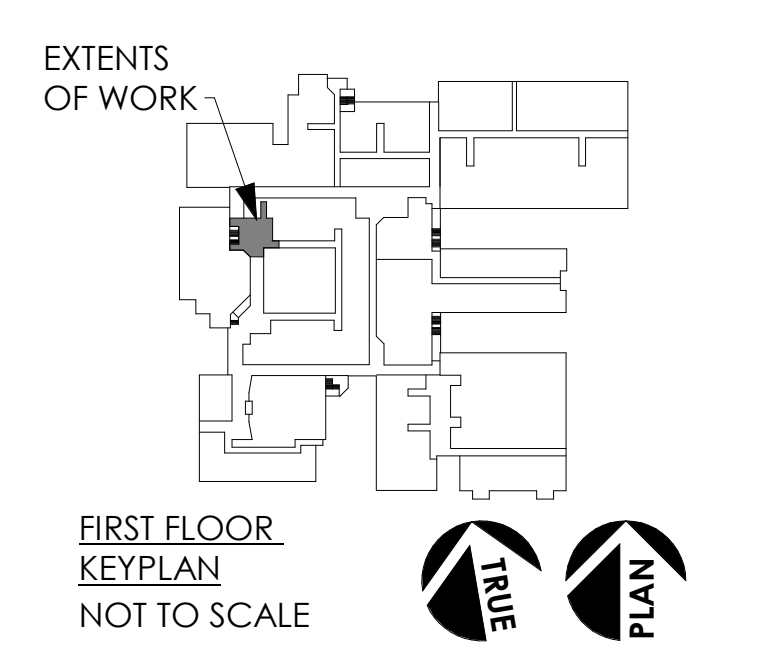
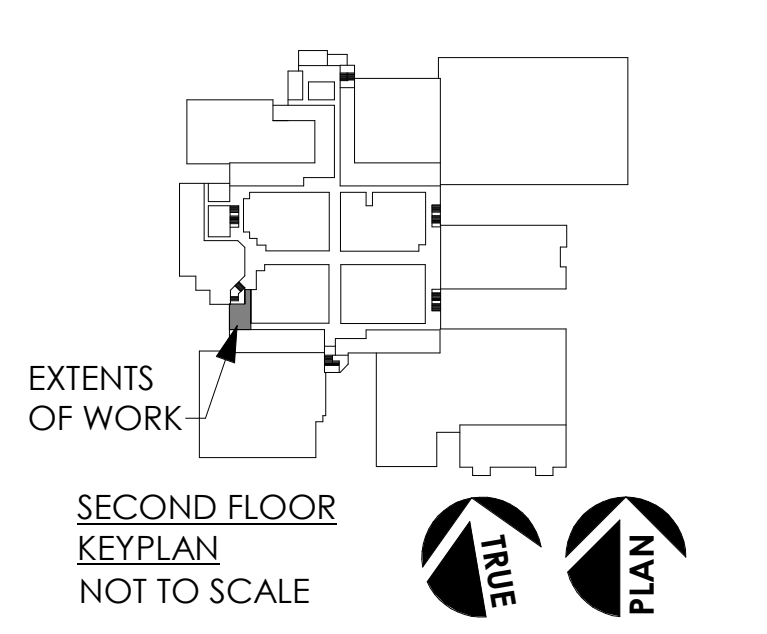
TYPE	LOAD	NOTE	WATER CLOSETS		LAVATORIES		BATHTUBS/SHOWERS		DRINKING FOUNTAINS		OTHER
			1 PER	REQ'D	1 PER	REQ'D	1 PER	REQ'D	1 PER	REQ'D	
GROUP 2 ASSEMBLY (A-1)	692	Theater, Performing Arts	125	3	65	6	200	2	200	2	1 SERVICE SINK
GROUP 2 ASSEMBLY (A-2)	689	Cafeteria, Serving	75	5	75	5	200	2	200	2	1 SERVICE SINK
GROUP 2 ASSEMBLY (A-3)	3136	Gym, Library, Lecture Halls	125	13	65	25	200	8	200	8	1 SERVICE SINK
GROUP 2 EDUCATIONAL (E)	51	Other Phys Ed & Classrooms	50	1	50	1	50	1	0	100	1 SERVICE SINK
GROUP 2 TOTALS	4568		22	37	23	13			12		

**PLUMBING FIXTURES PROVIDED**

GROUP	SINGLE	WATER CLOSETS		LAVATORIES		BATHTUBS/SHOWERS	DRINKING FOUNTAINS	SERVICE SINKS
		MALE	FEMALE	MALE	FEMALE			
GROUP:	32	GROUP:	45	GROUP:	48	GROUP:	48	
SINGLE:	16	SINGLE:	16	SINGLE:	16	SINGLE:	16	
*URINALS:	44							
<b>TOTAL PLUMBING FIXTURES PROVIDED</b>	90		63		62		66	36 9 SERVICE SINKS

NOTES:  
\* IPC 2018 424.2: URINALS CAN BE 67% OF WC REQUIREMENT  
TOTAL OCCUPANT LOAD AND FIXTURE REQUIREMENTS NOT IMPACTED BY PHYSICS LAB AND GENERAL PURPOSE CLASSROOM ADDITIONS

Key Information



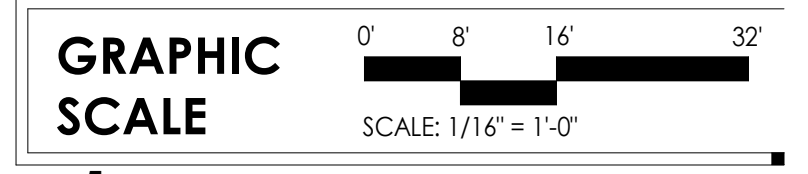
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**LIFE SAFETY PLAN**

Drawn By: \_\_\_\_\_ Author: \_\_\_\_\_  
Issue Date: \_\_\_\_\_ 05/07/24  
Scale: \_\_\_\_\_ As Noted  
BUJA Project No.: \_\_\_\_\_ 24002.01  
Sheet No.: \_\_\_\_\_

**LS101**  
BID SET





Strang  
and  
Samaha  
AIA

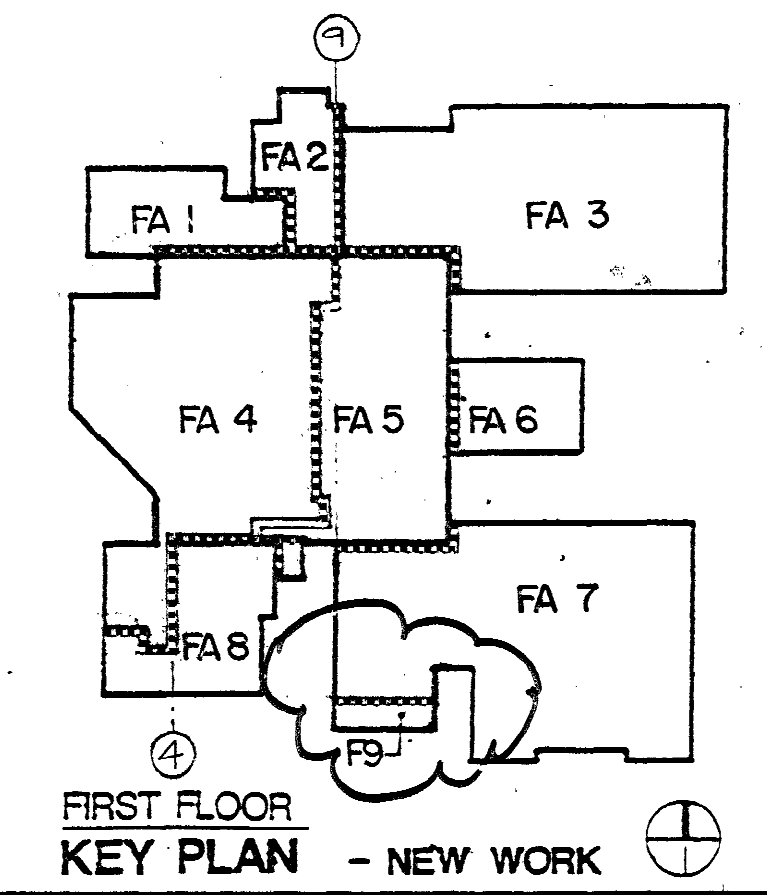
architects  
planners

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703-691-3311

NEW WORK NOTES

- IN ADDITION TO THE AREAS SHADED TO RECEIVE FIRE PROOFING (SEE LEGEND BELOW), THERE ARE ADDITIONAL INDIVIDUAL STRUCTURAL MEMBERS WHICH RECEIVE FIREPROOFING. REFER TO STRUCTURAL FRAMING PLANS FOR ADDITIONAL FIREPROOFING REQUIRED.
- ALL NEW OR EXISTING COLUMNS WITHIN THE SHADED AREAS SHALL RECEIVE FIREPROOFING. CERTAIN COLUMNS CARRYING INDIVIDUAL STRUCTURAL MEMBERS OUTSIDE THE SHADED AREA ARE ALSO RATED. SEE FLOOR PLANS FOR COLUMNS TO BE RATED.
- AT ALL PENETRATIONS THROUGH RATED FLOORS OR WALLS, OPENINGS SHALL BE PACKED TIGHT WITH SAFING INSULATION.
- WHERE COLUMN RATINGS ARE ACHIEVED BY BOXING COLUMN IN WITH SOLID MASONRY, BUILD MASONRY UP TO WITHIN 1" OF BOTTOM OF STRUCTURE AND SPRAY REMAINDER OF COLUMN.
- NUMBERS LISTED IN ROOMS REPRESENT OCCUPANT LOADS CALCULATED PER BOCA TABLE 806.
- OCCUPANCY LOADS (BASED ON BOCA TABLE 809):  
FIRST FLOOR: 8752  
TOTAL DOOR EGRESS WIDTH REQUIRED: 8752 X .15 = 1313.8"  
TOTAL DOOR EGRESS WIDTH PROVIDED: 2569"
- SECOND FLOOR: 2569  
TOTAL DOOR EGRESS WIDTH REQUIRED: 2569 X .15 = 386.0"  
TOTAL DOOR EGRESS WIDTH PROVIDED: 412.0"  
TOTAL STAIR EGRESS WIDTH REQUIRED: 2569 X .20 = 513.8"  
TOTAL STAIR EGRESS WIDTH PROVIDED: 567.0"

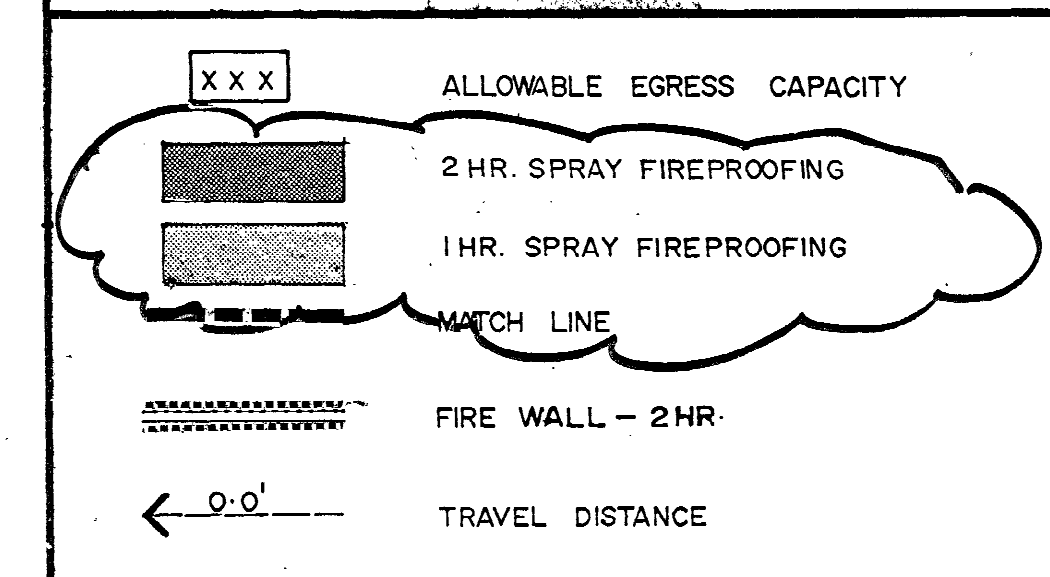
FIRE AREA



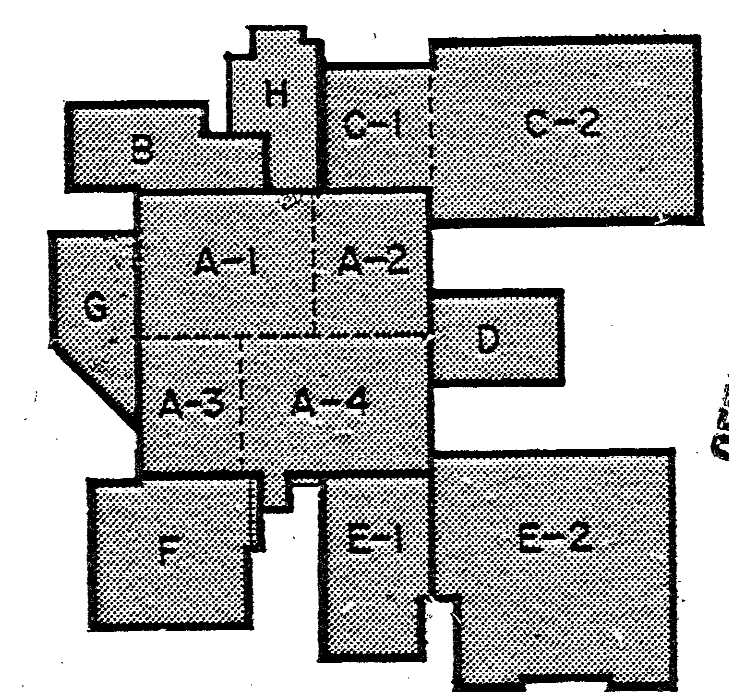
FA No.	BASE AREA	ALLOWABLE AREA	CONST. TYPE
FA 1	14,903 S.F.	EXISTING	2C
FA 2	12,218 S.F.	43,200 S.F.	2C
FA 3	63,922 S.F.	EXISTING	2C
FA 4	57,117 S.F.	67,500 S.F.	2B
FA 5	37,544 S.F.	EXISTING	2C
FA 6	16,720 S.F.	EXISTING	2C
FA 7	45,870 S.F.	EXISTING	2C
FA 8	20,201 S.F.	43,200 S.F.	2C
FA 9	3,709 S.F.	43,200 S.F.	2C

NOTE: ALLOWABLE AREA INCLUDES BASE AREA PER BOCA TABLE 501 PLUS 200% SPRINKLER INCREASE.

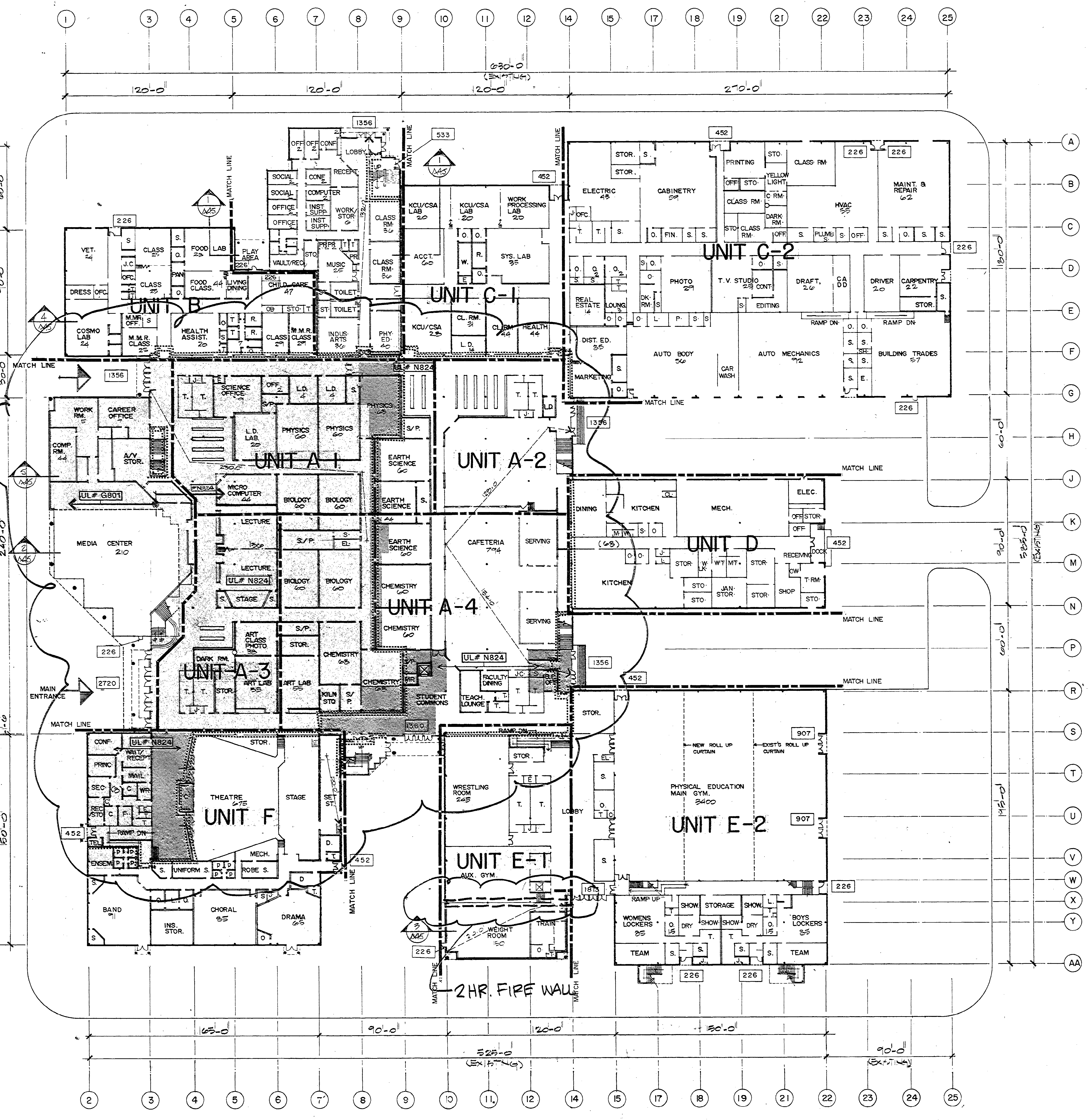
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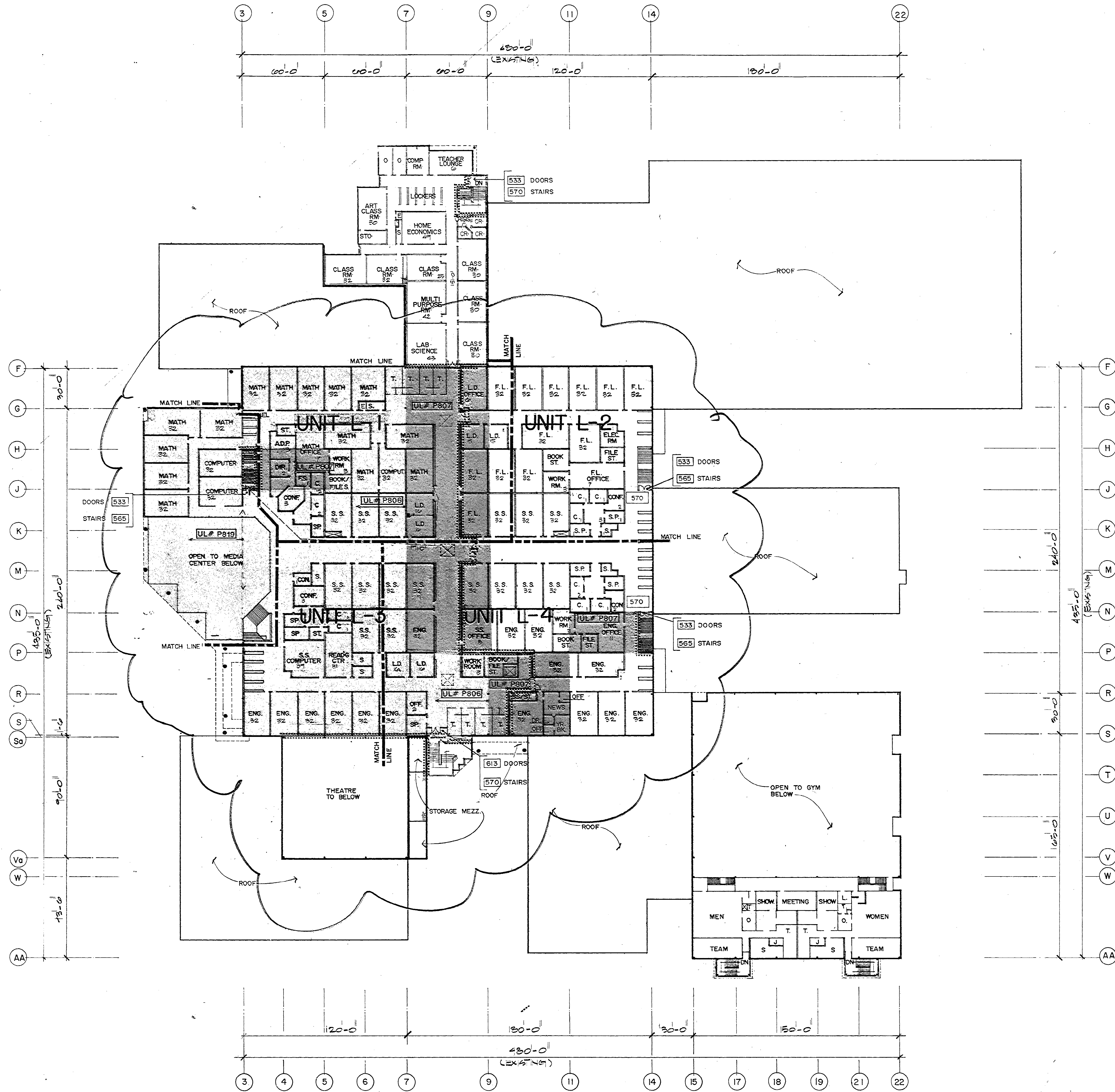


FIRST FLOOR KEY PLAN - NEW WORK



FIRST FLOOR PLAN - OVERALL - NEW WORK  
1"=32'-0"

FOR REFERENCE ONLY

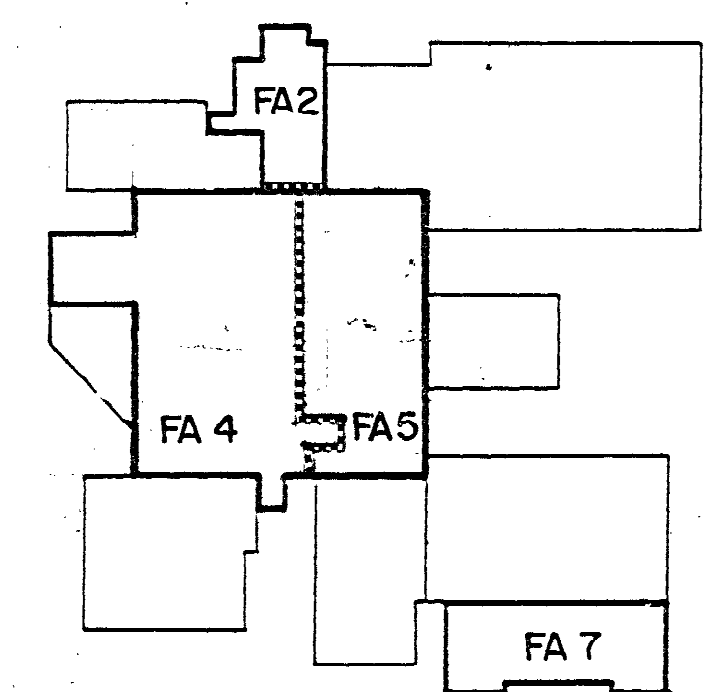


⊕ SECOND FLOOR PLAN - OVERALL - NEW WORK  
1"=32'-0"

**NEW WORK NOTES**

- IN ADDITION TO THE AREAS SHADED TO RECEIVE FIRE PROOFING (SEE LEGEND BELOW), THERE ARE ADDITIONAL INDIVIDUAL STRUCTURAL MEMBERS WHICH RECEIVE FIREPROOFING. REFER TO STRUCTURAL FRAMING PLANS FOR ADDITIONAL FIREPROOFING REQUIRED.
- ALL NEW OR EXISTING COLUMNS WITHIN THE SHADED AREAS SHALL RECEIVE FIREPROOFING. CERTAIN COLUMNS CARRYING INDIVIDUAL STRUCTURAL MEMBERS OUTSIDE THE SHADED AREA ARE ALSO RATED. SEE FLOOR PLANS FOR COLUMNS TO BE RATED.
- AT ALL PENETRATIONS THROUGH RATED FLOORS OR WALLS, OPENINGS SHALL BE PACKED TIGHT WITH SAFING INSULATION.
- WHERE COLUMN RATINGS ARE ACHIEVED BY BOXING COLUMN IN WITH MASONRY, BUILD MASONRY UP TO WITHIN 1" OF BOTTOM OF STRUCTURE AND SPRAY REMAINDER OF COLUMN.
- NUMBERS LISTED IN ROOMS REPRESENT OCCUPANT LOADS CALCULATED PER BOCA TABLE 806.
- OCCUPANCY LOADS (BASED ON BOCA TABLE 806):  
 FIRST FLOOR: 8752  
 TOTAL DOOR EGRESS WIDTH REQUIRED: 8752 x .15 = 1313.8"  
 TOTAL DOOR EGRESS WIDTH PROVIDED: 2688"  
 SECOND FLOOR: 2569  
 TOTAL DOOR EGRESS WIDTH REQUIRED: 2569 x .15 = 385.4"  
 TOTAL DOOR EGRESS WIDTH PROVIDED: 412.0"  
 TOTAL STAIR EGRESS WIDTH REQUIRED: 2569 x .20 = 513.8"  
 TOTAL STAIR EGRESS WIDTH PROVIDED: 567.0"

**FIRE AREA**



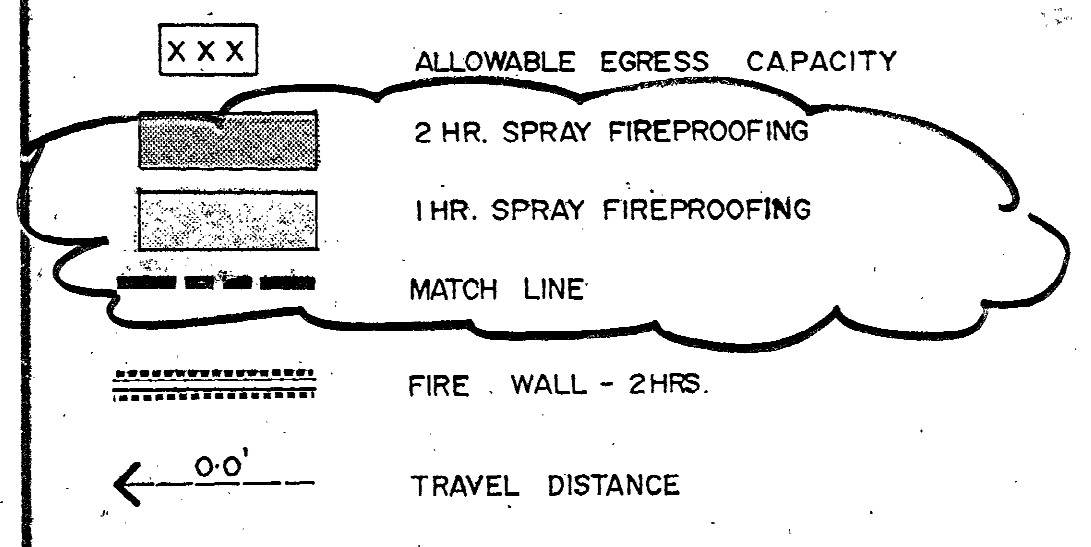
SECOND FLOOR  
KEY PLAN - NEW WORK

FA No.	BASE AREA	ALLOWABLE AREA	CONST. TYPE
FA 2	12,188 S.F.	43,200 S.F.	2C
FA 4	50,856 S.F.	67,500 S.F.	2B
FA 5	34,728 S.F.	EXISTING	2C
FA 7	9,050 S.F.	EXISTING	2C

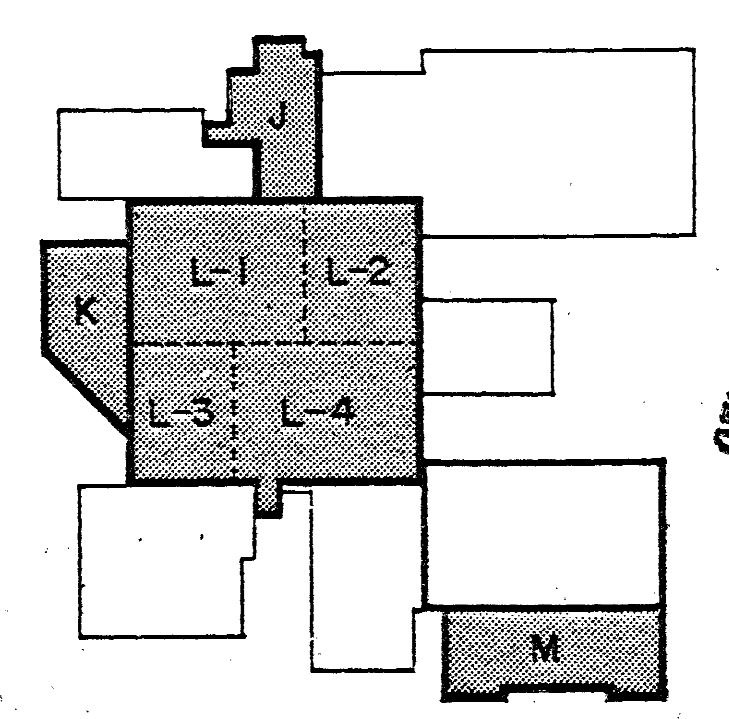
NOTE: ALLOWABLE AREA INCLUDES BASE AREA PER BOCA TABLE 501 PLUS 200% SPRINKLER INCREASE.

FA = Fire Area

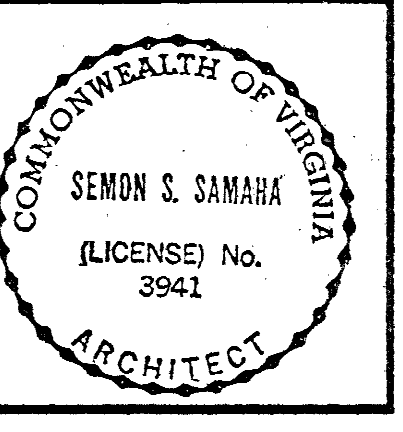
**LEGEND**



REV. 7/17/91



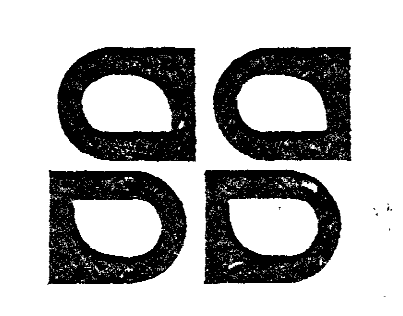
SECOND FLOOR  
KEY PLAN - NEW WORK



**CHANTILLY HIGH SCHOOL**  
RENEWAL AND ADDITIONS  
FAIRFAX COUNTY, VIRGINIA

VIRGINIA STATE  
PROJECT NO. 2913

Second Floor Plan  
Fire Separation  
New Work



**Strang and Samaha AIA**  
architects planners

10300 Eaton Place  
Suite 200  
Fairfax, Va. 22030  
703-691-3311

SHEET 32 OF 311

**A-7**  
ISSUE DATE 2-7-91

PROJECT NO. 8810410

**FOR REFERENCE ONLY**

**GENERAL DEMOLITION AND CONSTRUCTION NOTES**

- A. SEE SHEET G101 FOR GENERAL DEMOLITION NOTES THAT APPLY TO ALL DEMOLITION SHEETS.
- B. SEE SHEET G101 FOR GENERAL CONSTRUCTION NOTES THAT APPLY TO ALL SHEETS.

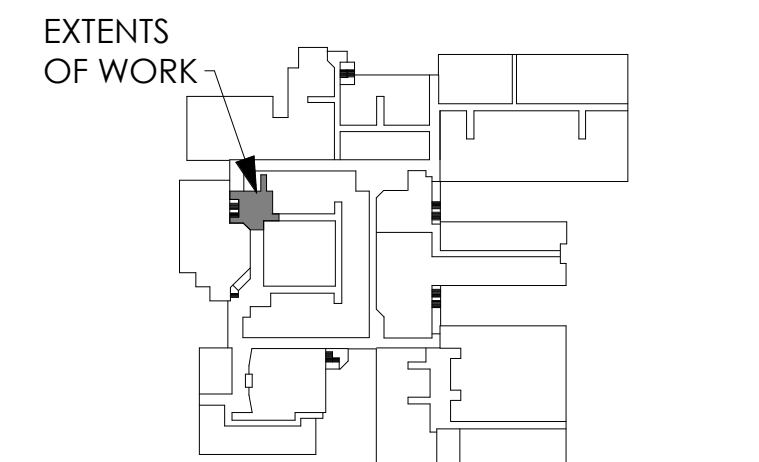
**DEMOLITION SHEET NOTES**

1. REMOVE EXISTING COLUMN COVER SHOWN DASHED. PREPARE COLUMN FOR NEW FURRED COLUMN COVER (SEE DETAIL 3/A101).
2. REMOVE EXISTING ACOUSTIC TILE CEILING, GRID AND BULKHEAD (IF APPLICABLE).
3. REMOVE EXISTING VCT FLOORING (TRANSITION STRIP, IF APPLICABLE) AND/OR VINYL BASE. SEE PLANS FOR EXTENTS AND LOCATIONS.
4. REMOVE PORTION OF EXISTING WALL SHOWN DASHED FOR NEW OPENING, DOOR OPENING, WINDOW OPENING, OR CORRIDOR OPENING.
5. REMOVE EXISTING CASEWORK (BASE AND/OR WALL CABINETS, COUNTERTOPS, BUILT-IN OR WALL MOUNTED SHELVING, ETC., AND ANY ASSOCIATED PLUMBING FIXTURES AND/OR ELECTRICAL CONDUIT) SHOWN DASHED.
6. REMOVE EXISTING METAL STUD/GYP BOARD PARTITIONS SHOWN DASHED.
7. REMOVE EXISTING CERAMIC TILE FLOOR, CERAMIC TILE BASE, AND MARBLE TRANSITION STRIP, IF APPLICABLE.
8. REMOVE PORTION OF EXISTING FLOOR SLAB SHOWN DASHED.
9. REMOVE EXISTING CEILING, IN THEIR ENTIRETY, TO THE BOTTOM OF THE EXISTING STRUCTURE ABOVE.
10. REMOVE EXISTING CONCRETE LOCKER BASE, SHOWN DASHED, FLUSH WITH ADJACENT FLOOR SLAB TO RECEIVE NEW FLOOR FINISH. REMOVE EXISTING VINYL BASE.
11. REMOVE AND DISPOSE OF EXISTING LOCKERS, SHOWN DASHED.
12. REMOVE AND DISPOSE OF EXISTING PLAM COUNTERTOP ON TOP OF SINGLE TIER LOCKERS.
13. REMOVE EXISTING CT WAINSCOT SHOWN DASHED, AT EXISTING STORAGE ROOM PARTITION, REMOVE EXISTING GYP BOARD BACK TO METAL STUDS.
14. REMOVE EXISTING TACK STRIP SHOWN DASHED.
15. REMOVE EXISTING CARPET AND VINYL BASE.
16. REMOVE EXISTING SURFACE MOUNTED CONDUIT AND BOXES. COORDINATE W/ ELECTRICAL DRAWINGS.
17. REMOVE EXISTING DIRECTIONAL SIGN AND SALVAGE FOR REUSE.
18. REMOVE EXISTING CLOCK WITH PROTECTION CAGE. SEE ELEC. DWGS.
19. REMOVE EXISTING WALL MOUNTED EXIT LIGHT. SEE ELEC. DWGS.
20. REMOVE EXISTING SECURITY MOTION DETECTOR. SEE ELEC. DWGS.
21. REMOVE AND SALVAGE EXISTING WOOD DOOR FOR REUSE.
- REMOVE EXISTING DOOR HARDWARE AND PATCH HINGE AND LATCH OPENINGS IN FRAME. PREP EXISTING HM FRAME FOR NEW LATCH.

Key Information



EXTENTS OF WORK  
SECOND FLOOR KEYPLAN  
NOT TO SCALE

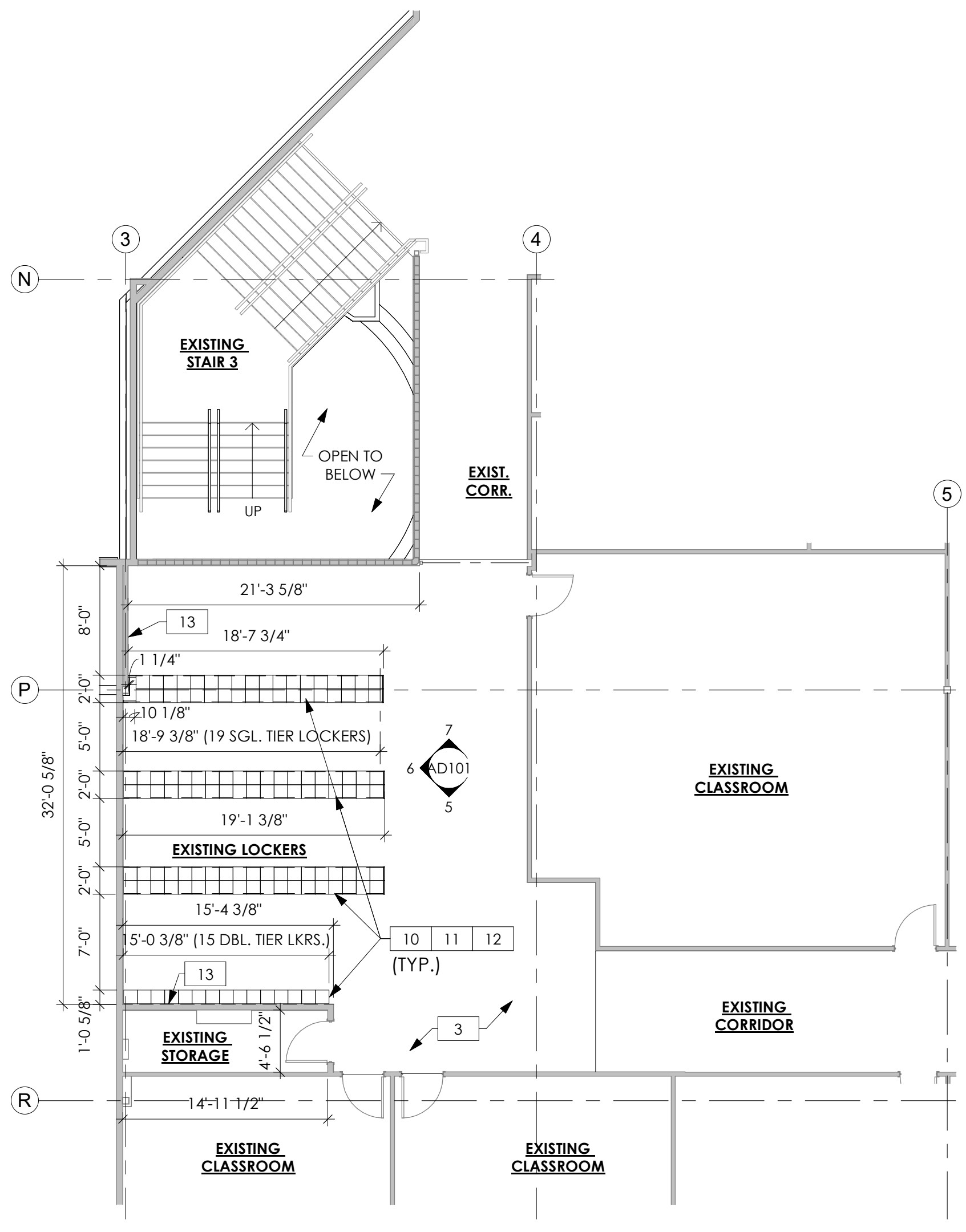
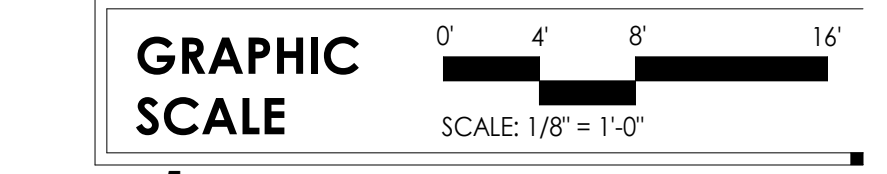


EXTENTS OF WORK  
FIRST FLOOR KEYPLAN  
NOT TO SCALE

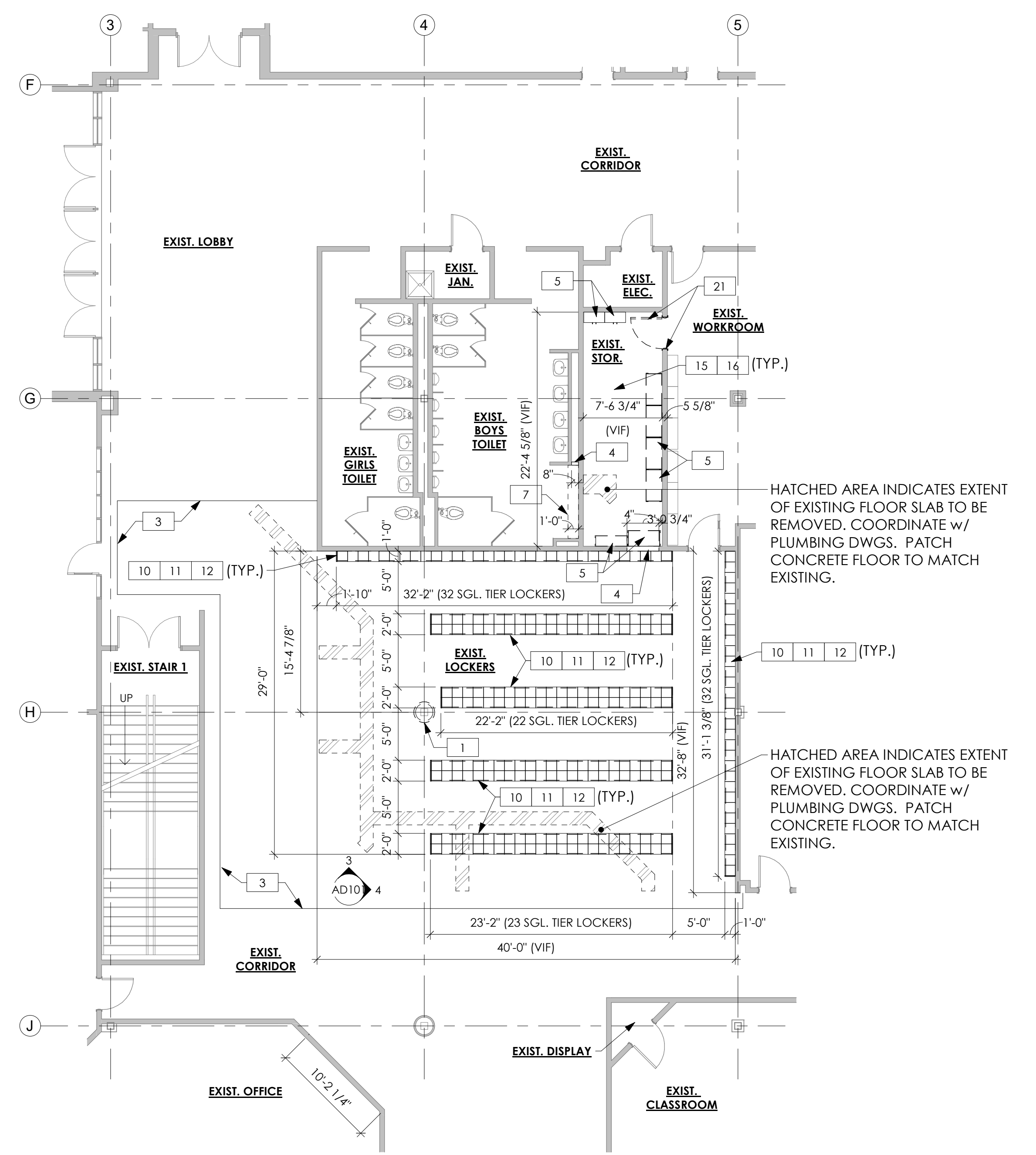
No.	Revision	Date

Sheet Title:  
**PARTIAL DEMO FLOOR PLANS AND ELEVATIONS**

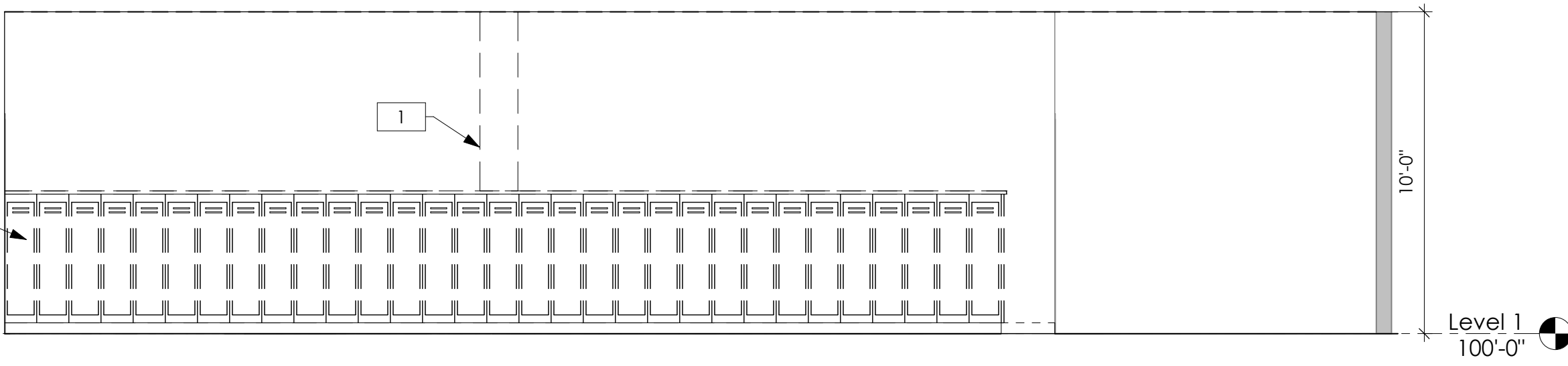
Drawn By:	Author
Issue Date:	05/07/24
Scale:	As Noted
BUJA Project No.:	24002.01
Sheet No.:	<b>AD101</b>



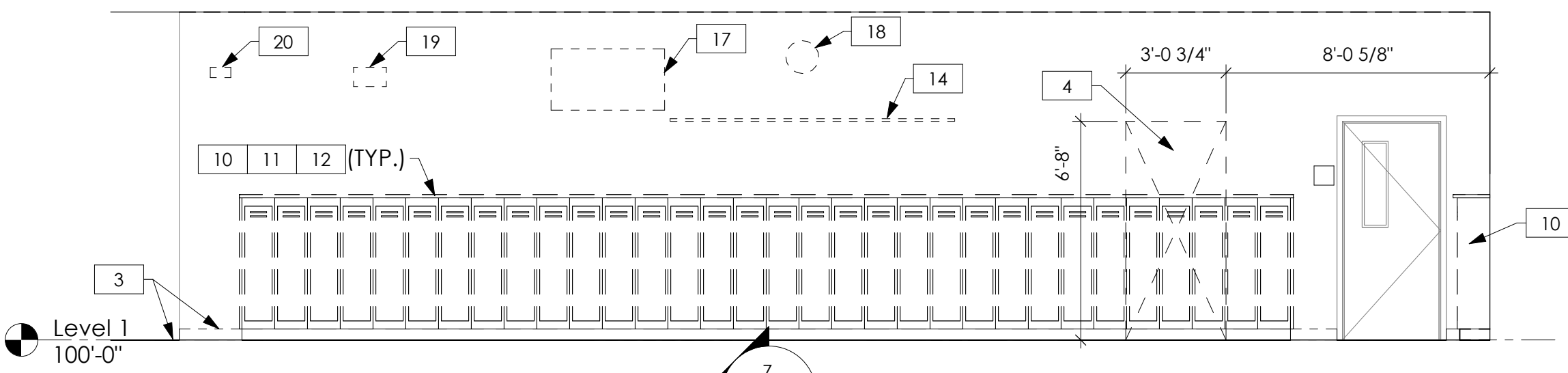
2 PARTIAL SECOND FLOOR UNIT L3 PLAN - DEMO  
AD101/AD101 1/8" = 1'-0"



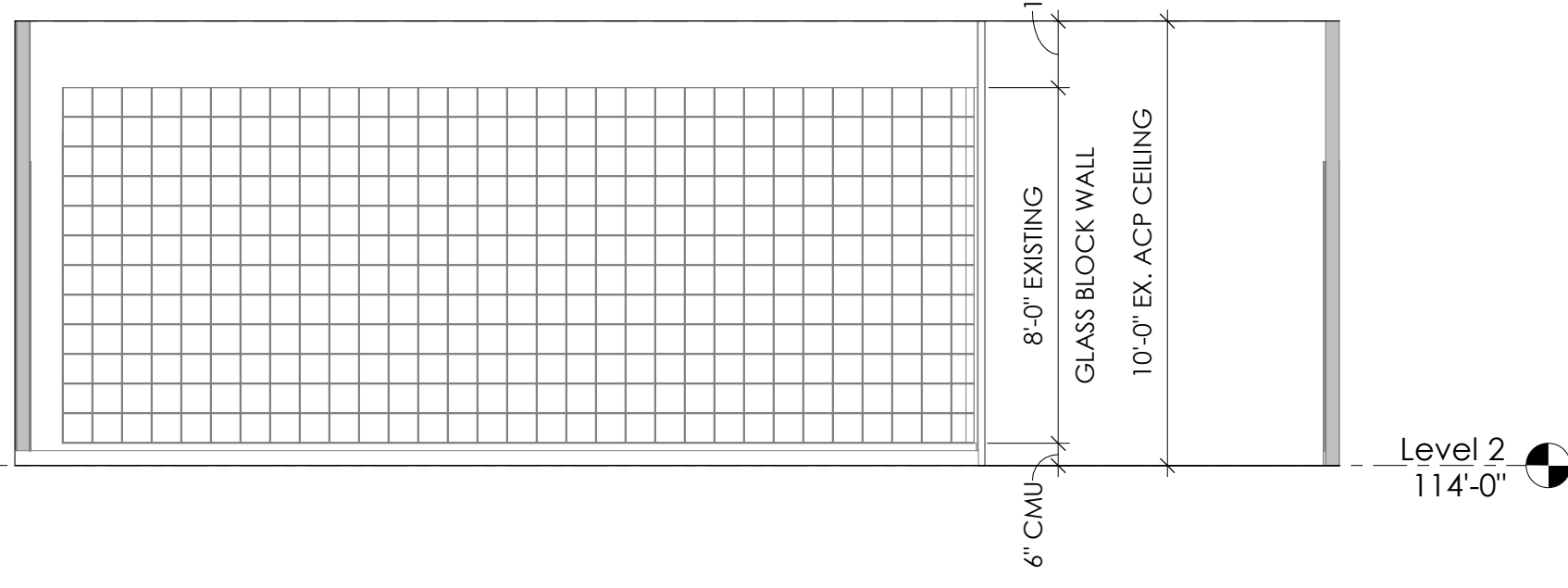
1 PARTIAL FIRST FLOOR UNIT A1 PLAN - DEMO  
AD101/AD101 1/8" = 1'-0"



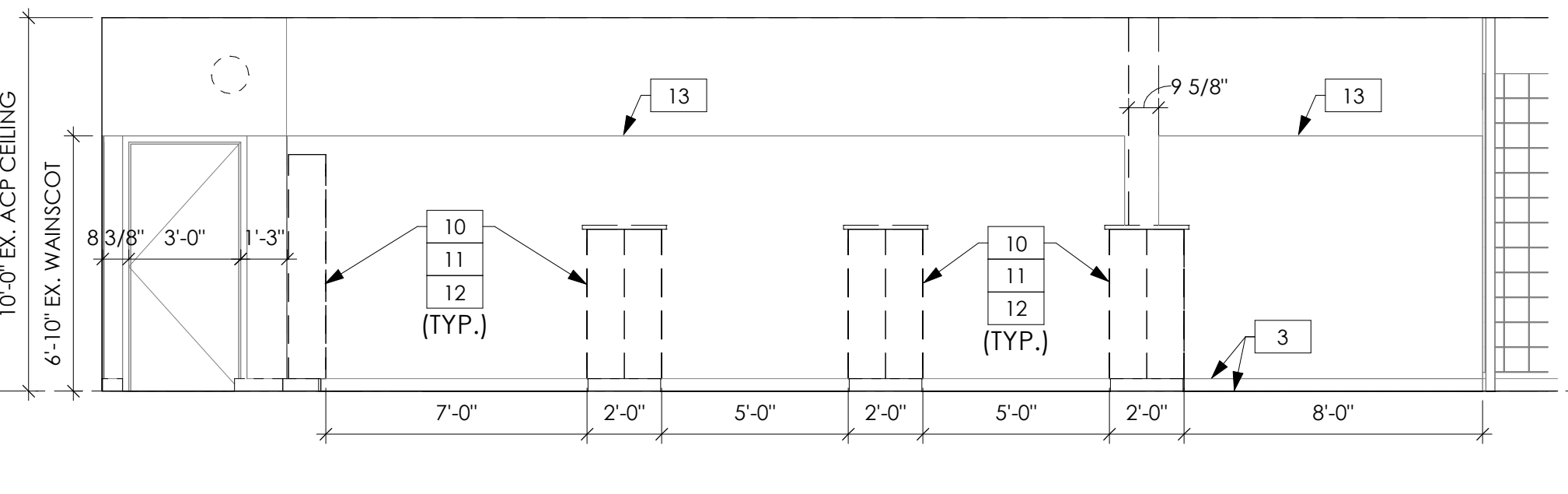
4 INTERIOR ELEVATION - 1st FLOOR EXISTING LOCKERS - EAST  
AD101/AD101 1/4" = 1'-0"



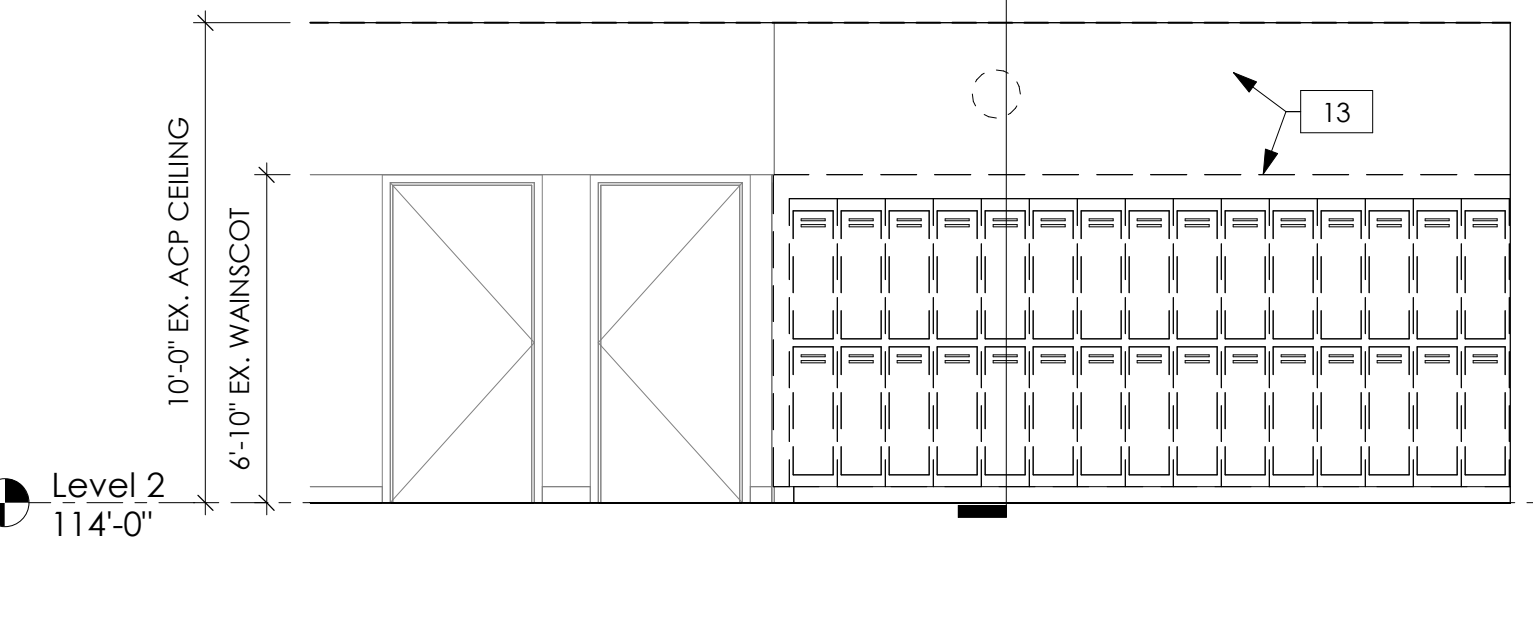
3 INTERIOR ELEVATION - 1st FLOOR EXISTING LOCKERS - NORTH  
AD101/AD101 1/4" = 1'-0"



7 INT. ELEV. - 2nd FLOOR EXISTING LOCKERS - NORTH  
AD101/AD101 1/4" = 1'-0"

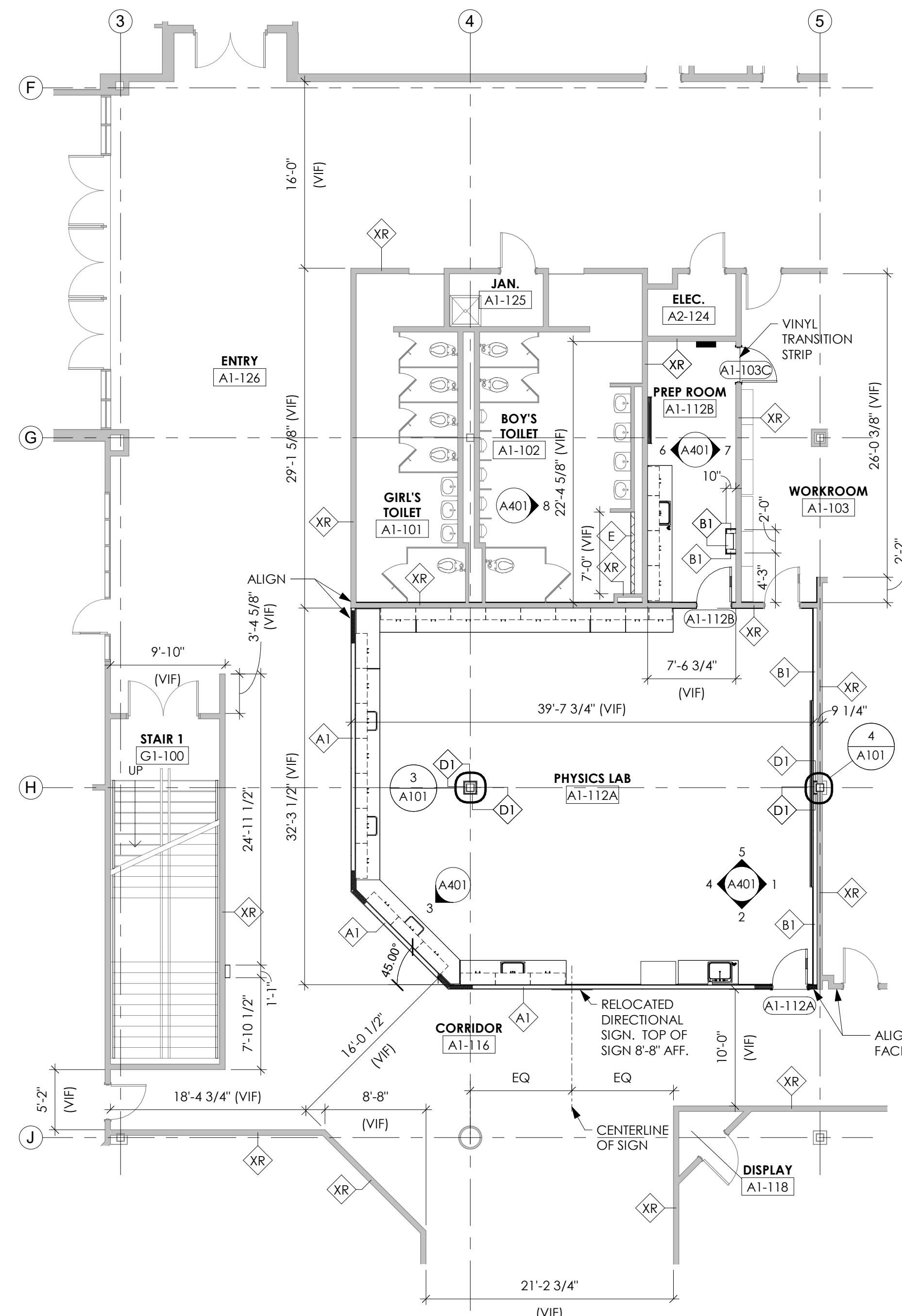


6 INT. ELEV. - 2nd FLOOR EXISTING LOCKERS - WEST  
AD101/AD101 1/4" = 1'-0"

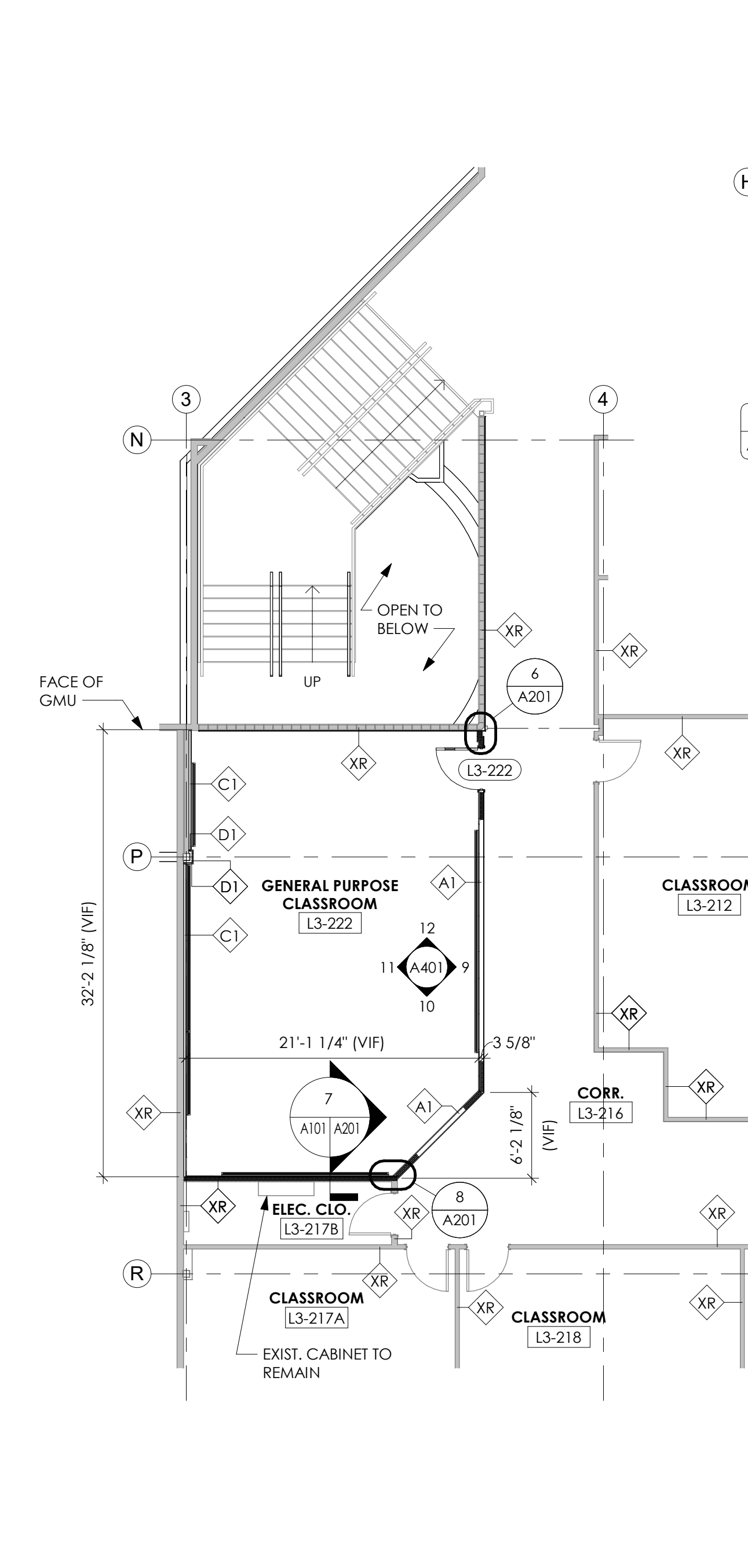


5 INT. ELEV. - 2nd FLOOR EXISTING LOCKERS - SOUTH  
AD101/AD101 1/4" = 1'-0"

DISCLAIMER: GRAPHIC INFORMATION IN DRAWING MAY NOT NECESSARILY BE TO SCALE. USE DIMENSIONAL TEXT FOR ACCURACY. DO NOT SCALE.

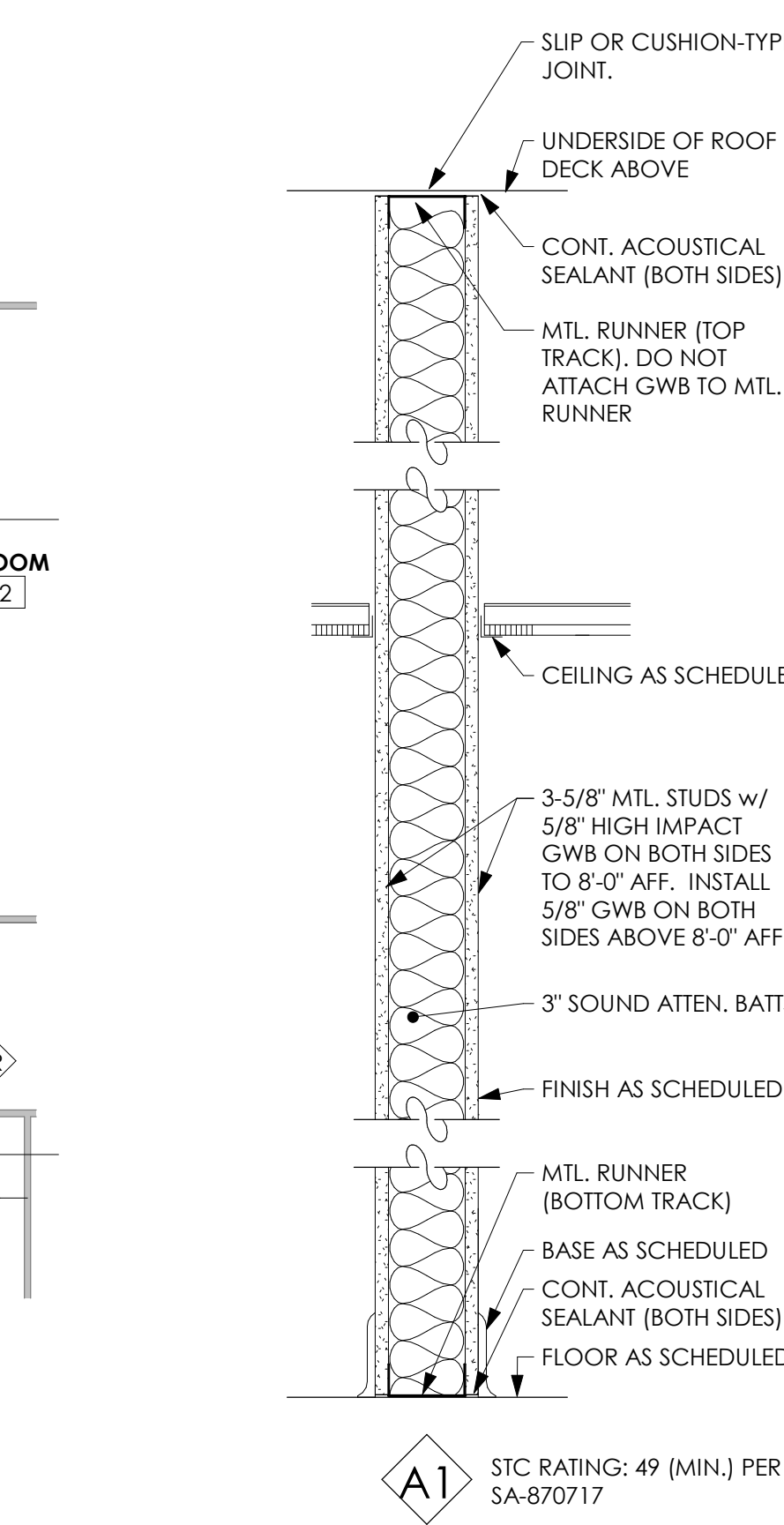


1 PARTIAL FIRST FLOOR UNIT A1 PLAN  
SCALE: 1/8" = 1'-0"

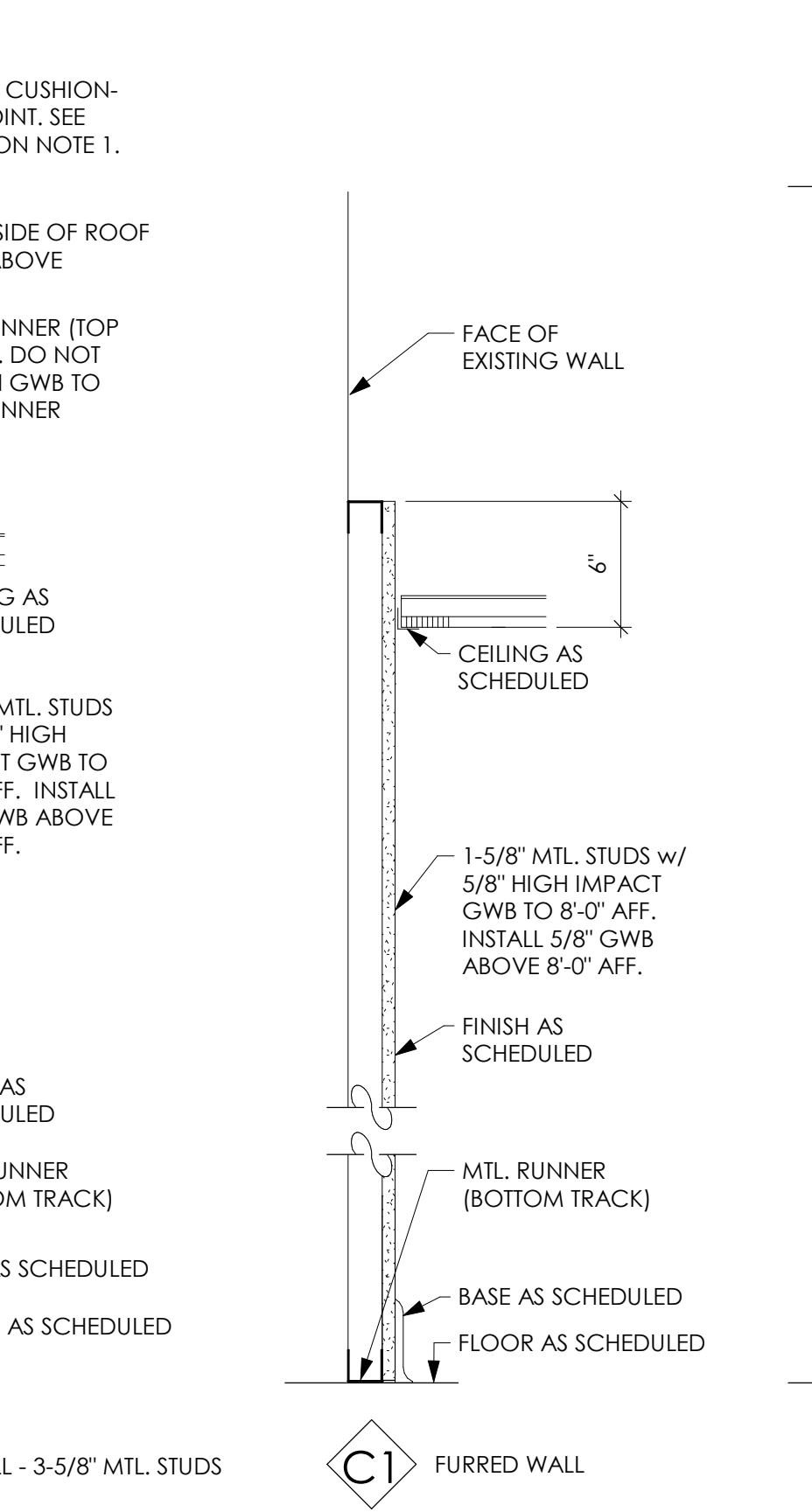


2 PARTIAL SECOND FLOOR UNIT L3 PLAN  
SCALE: 1/8" = 1'-0"

3 PLAN DETAIL AT COLUMN H4  
SCALE: 1 1/2" = 1'-0"



4 PLAN DETAIL AT COLUMN H5  
SCALE: 1 1/2" = 1'-0"



**GENERAL FLOOR PLAN NOTES**

- DO NOT SCALE DRAWINGS.
- ALL CONSTRUCTION IS INTENDED TO BE IN CONFORMANCE WITH FEDERAL & VIRGINIA UNIFIED STATE BUILDING CODE, STATE LAWS, CURRENT LOCAL ORDINANCES, & THE AMERICANS WITH DISABILITIES ACT OF 2010 (ADAAG). REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE COMMENCEMENT OF WORK.
- DIMENSIONS ARE IN FEET AND INCHES.
- PROVIDED DIMENSIONS WITH AT LEAST ONE LEG ASSOCIATED TO EXISTING BUILDING ELEMENTS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR FOR ACCURACY AND DISCREPANCIES SHALL BE COMMUNICATED TO THE ARCHITECT BEFORE COMMENCEMENT OF WORK.
- ALL DIMENSIONS TO GRID LINES, OUTSIDE FACE OF FOUNDATION SYSTEM OR FACE OF STUD UNO.
- CONTRACTOR TO FIELD VERIFY DIMENSIONS OF PLUMBING FIXTURES W/ PARTITION TYPES (WALL THICKNESSES VARY) BEFORE COMMENCEMENT OF FRAMING.
- SEE SHEET A101 FOR PARTITION TYPES.
- REFER TO PLUMBING DRAWINGS FOR ADDITIONAL PLUMBING INFORMATION.
- SEE SHEET G101 FOR ACCESSIBILITY STANDARDS.
- SEE SHEET G101 FOR GENERAL NOTES.

NO.	PAIR	DOOR			FRAME			DETAILS			THOLD.	HW SET	FIRE RATING	COMMENTS	
		SIZE		TYPE	MATL.	GLAZ.	TYPE	MATL.	GLAZ.	JAMB					HEAD
		WIDTH	HEIGHT												
A1-103C		3'-0"	6'-8"	D1	EX. WD.	-	EX. HM	-	J3	H3	VT	8A	NOTE 1		
A1-112A		3'-0"	6'-8"	D2	WD	G1	F1	HM	G1	J1	H1	5	NOTE 2		
A1-112B		3'-0"	6'-8"	D2	WD	G1	F1	HM	G1	J2	H2	8	NOTE 2		
L3-222		3'-0"	6'-8"	D2	WD	G1	F1	HM	G1	J1	H1	5	NOTE 2		

**GENERAL DOOR SCHEDULE NOTES**

- REFER TO SPECIFICATIONS SECTION 087100 FOR HARDWARE SETS.
- REFER TO SPECIFICATIONS FOR SPECIFIC GLAZING PERFORMANCE REQUIREMENTS.
- ALL DOORS TO BE 1 3/4" THICK, UNLESS NOTED OTHERWISE.
- EXISTING DOORS AND/OR DOOR FRAMES LABELED AS EXISTING TO REMAIN, MAY OR MAY NOT CONTAIN GLAZING.

**DOOR SCHEDULE NOTES**

- REUSE EXISTING HM FRAME AND SALVAGED WOOD DOOR. PREP EXISTING HM FRAME FOR NEW LATCH. PATCH EXISTING HINGE AND LATCH OPENINGS IN FRAME.
- DOOR GLAZING LITE SIZE SHALL MATCH ADJACENT EXISTING DOORS. VERIFY SIZE IN FIELD.

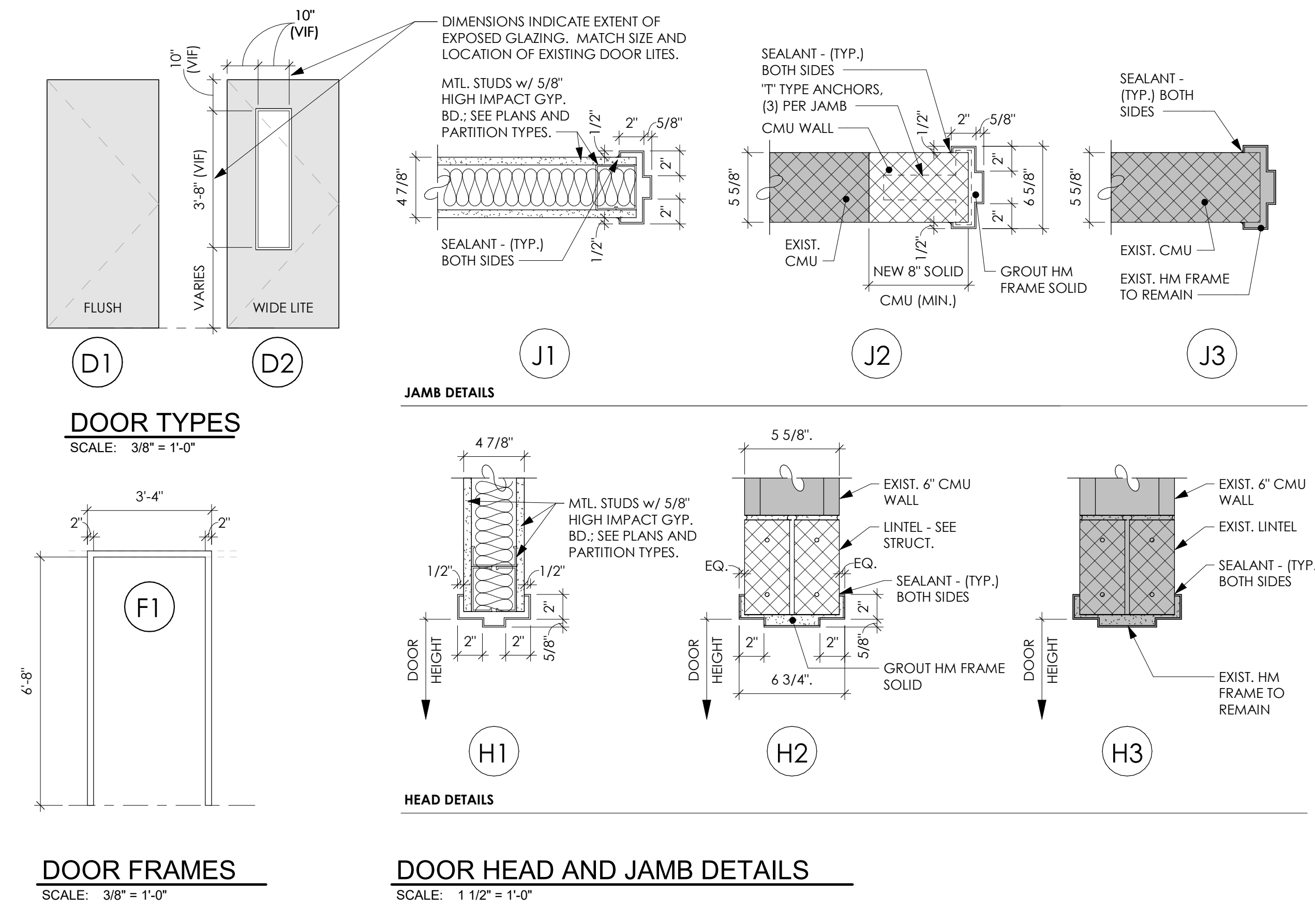
**DOOR SCHEDULE LEGEND**

**DOOR AND FRAME LEGEND**

- D1 = DOOR TYPE
- EX = EXISTING TO REMAIN
- F1 = FRAME TYPE
- G1 = GLAZING TYPE
- H1, H2, ETC. = HEAD DETAIL
- J1, J2, ETC. = JAMB DETAIL
- T1, T2, ETC. = THRESHOLD TYPE
- VT = VINYL TRANSITION STRIP

**GLAZING LEGEND**

- G1 = 1/4" TEMPERED



NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING		
				NORTH	EAST	SOUTH	WEST	FINISH	HEIGHT	REMARKS
A1-100	CORRIDOR	-	-	-	-	-	-	EX. TYPE I	10'-0"	NOTE 1
A1-101	GIRL'S TOILET	-	-	-	-	-	-	-	-	NOTE 1
A1-102	BOY'S TOILET	EX. CT/CT	EX. CT/CT	-	EX. CMU/CMU-EP	-	-	EX. TYPE I	10'-0"	NOTE 3
A1-103	WORKROOM	-	-	-	-	-	-	-	-	NOTE 1
A1-112A	PHYSICS LAB	VCT	RB	ECBP	ECBP	GWB-P	GWB-P	TYPE I	10'-0"	
A1-112B	PREP ROOM	VCT	RB	ECBP	ECBP	ECBP	ECBP	TYPE I	10'-0"	
A1-116	CORRIDOR	VCT	RB	GWB-P	-	ECMU-P	ECMU-P	TYPE I	10'-0"	
A1-118	DISPLAY	-	-	-	-	-	-	-	-	NOTE 1
A1-125	JANITOR CLOSET	-	-	-	-	-	-	-	-	NOTE 1
A1-126	ENTRY	-	-	ECB	ECB/GWB-P	ECBP	ECBP	EX. TYPE I	10'-0"	
A2-124	ELEC. CLOSET	-	-	-	-	-	-	-	-	NOTE 1
G1-100	STAIR 1	-	-	-	-	-	-	-	-	NOTE 1
L3-212	CLASSROOM	-	-	-	-	-	-	-	-	NOTE 1
L3-216	CORRIDOR	VCT	RB	EX. CT/ECBP	-	EX. CT/ECBP	GWB-P	TYPE I	10'-0"	
L3-217A	CLASSROOM	-	-	-	-	-	-	-	-	NOTE 1
L3-217B	ELECTRICAL CLOSET	-	-	EX. GWB-P	EX. GWB-P	EX. GWB-P	EX. GWB-P	TYPE I	10'-0"	
L3-218	CLASSROOM	-	-	-	-	-	-	-	-	NOTE 1
L3-222	GENERAL PURPOSE CLASSROOM	VCT	RB	EX. GMU	GWB-P	GWB-P	GWB-P	TYPE I	10'-0"	NOTE 2

**GENERAL FINISH SCHEDULE NOTES**

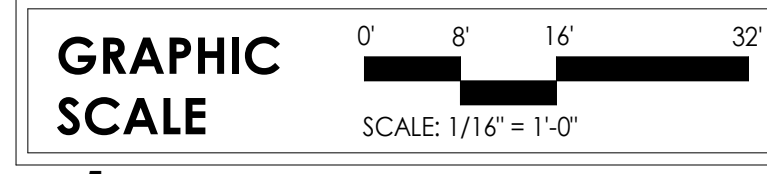
- NORTH WALL IN FINISH SCHEDULE RELATES TO PLAN NORTH.
- ALL RUBBER BASE TO BE 4" HIGH.

**FINISH SCHEDULE NOTES**

- EXISTING FINISHES TO REMAIN.
- PAINT EXISTING NORTH WALL ABOVE AND BELOW GMU.
- MODIFY EXISTING 2 X 4 ACP CEILING AT NEW EAST CHASE WALL.

**FINISH SCHEDULE LEGEND**

- ACP - ACOUSTIC CEILING PANEL (TYPE I)
- CMU - CONCRETE MASONRY UNITS
- CT - CERAMIC TILE
- ECT - EXISTING CERAMIC TILE
- ECBP - EXISTING CONCRETE BLOCK - PAINTED
- EP - EPOXY PAINTED
- EX - EXISTING FLOOR, BASE, WALL, AND/OR CEILING FINISH TO REMAIN
- GMU - GLASS MASONRY UNITS
- GWB-P - GYPSUM WALLBOARD - PAINTED
- RB - RUBBER BASE
- TYPE I - ACOUSTIC CEILING PANEL (2x4) - STANDARD
- VCT - VINYL COMPOSITION TILE



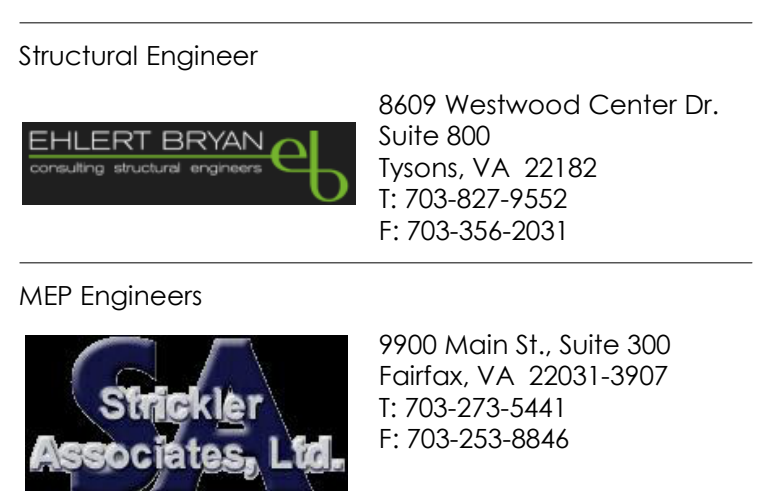
**Fairfax County PUBLIC SCHOOLS**  
ENGAGE • INSPIRE • THRIVE

FAIRFAX COUNTY PUBLIC SCHOOLS  
**Chantilly High School Physics Lab and Classroom Additions**  
4201 Stringfellow Rd.  
Chantilly, Virginia 20151

Architect of Record  
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MEP Engineers  
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9900 Main St., Suite 300  
Fairfax, VA 22031-3907  
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Key Information

No.	Revision	Date

Sheet Title:  
**PARTIAL FLOOR PLANS**

Drawn By: DWL  
Issue Date: 05/07/24  
Scale: As Noted  
BUJA Project No.: 24002.01  
Sheet No.: **A101**  
BID SET

DISCLAIMER: GRAPHIC INFORMATION IN DRAWING MAY NOT NECESSARILY BE TO SCALE. USE DIMENSIONAL TEXT FOR ACCURACY. DO NOT SCALE.

CASEWORK SCHEDULE					
NO.	DESCRIPTION	SIZE	MANUF.	MODEL	COMMENTS/NOTES
CW-1	BASE CABINET w/ SINK AND DOORS	36"Wx28.5"Hx24"D	Case Systems	B2100	
CW-2	BASE CABINET - DRAWER CUPBOARD	24"Wx32.5"Hx24"D	Sheldon Laboratory Systems, Inc.	B243522-400	
CW-3	BASE CABINET w/ DRAWERS AND DOORS	30"Wx32.5"Hx24"D	Case Systems	B3100	
CW-4	BASE CABINET w/ DRAWERS AND DOORS	36"Wx32.5"Hx24"D	Case Systems	B3100	
CW-5	SINK BASE (ACCESSIBLE)	36"Wx32.5"Hx24"D	Case Systems	D1000	REMOVABLE FRONT PANEL
CW-6	BASE CABINET w/ DRAWERS AND DOORS	36"Wx32.5"Hx24"D	Case Systems	B3100	
CW-7	BASE CABINET - FIVE DRAWER STORAGE	48"Wx34.5"Hx24"D	Case Systems	B4050	
CW-8	WALL CABINET	24"Wx30"Hx12"D	Woodwork Institute	302	
CW-9	WALL CABINET	30"Wx30"Hx12"D	Woodwork Institute	302	
CW-10	WALL CABINET (ABOVE SINK)	36"Wx24"Hx12"D	Woodwork Institute	302	
CW-11	WALL CABINET	36"Wx30"Hx12"D	Woodwork Institute	302	
CW-12	TALL SHELF UNIT	36"Wx84"Hx24"D			

FURNITURE AND EQUIPMENT SCHEDULE			
NO.	DESCRIPTION	SIZE	COMMENTS
FN-1	MOBILE DEMO DESK WITH CASTERS	60"Wx30"Dx36"H	NIC
FN-2	PENCIL SHARPENER BLOCK	8"Wx8"Hx1 1/4"D	SEE DETAIL 3/A201
FN-3	TEACHERS DESK WITH RETURN AND CHAIR	-	N.I.C.
FN-4	TEACHERS DESK AND CHAIR	-	N.I.C.
FN-5	STUDENTS DESK AND CHAIR	-	N.I.C.
FN-6	TEACHERS WARDROBE	-	N.I.C.
FN-7	TABLE w/ CHAIR	-	N.I.C.
FN-8	FIRE BLANKET AND CABINET	16"W x 13"H x 5"D	
FN-9	WALL MOUNTED FIRE EXTINGUISHER	-	SEE DETAIL 5/A201

MB/TB/TS SCHEDULE				
NO.	DESCRIPTION	SIZE	MOUNTING HEIGHT	COMMENTS
MB-1	MARKERBOARD w/ TACK STRIP	4"Wx4"H	36" AFF	SEE DETAIL XX/AXXX
MB-2	MARKERBOARD w/ TACK STRIP	16"Wx4"H	36" AFF	-
MB-3	MARKERBOARD w/ TACK STRIP	12"Wx4"H	36" AFF	-
TB-1	TACKBOARD	6"Wx4"H	36" AFF	-

SHELVING SCHEDULE			
NO.	DESCRIPTION	SIZE	COMMENTS
SH-1A	ADJ. METAL SHELVING - ADDER UNIT	36"Wx16"Dx84"H	-
SH-1S	ADJ. METAL SHELVING - STARTER UNIT	36"Wx16"Dx84"H	-

- GENERAL ENLARGED PLAN NOTES**
- DO NOT SCALE DRAWINGS.
  - THE SCOPE OF WORK FOR THIS PROJECT IS DEFINED IN THE DRAWINGS AND THE SPECIFICATIONS; REFERENCE TO BOTH IS REQUIRED.
  - ITEMS LISTED IN THE EQUIPMENT LEGEND DO NOT APPLY TO EACH ENLARGED PLAN.
  - NOTES REFERENCED IN THE EQUIPMENT LEGEND DO NOT APPLY TO EACH EQUIPMENT LEGEND ITEM. COORDINATE NOTES WITH ALL APPLICABLE CONDITIONS. IF ANY CONFLICT OCCURS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY FOR A SOLUTION BEFORE COMMENCEMENT OF WORK.
  - LISTED MANUFACTURERS AND MODEL NUMBERS ARE PROVIDED AS A BASIS OF DESIGN.
  - DIMENSIONS SHOWN IN THE EQUIPMENT LEGEND CORRESPOND TO EQUIPMENT SHOWN ON THE PLANS. APPROVED MANUFACTURERS WHOSE EQUIPMENT SIZES DIFFER FROM THOSE INDICATED ON THE DRAWINGS MUST BE MODIFIED ACCORDINGLY UNLESS APPROVED IN WRITING BY THE ARCHITECT.
  - UNLESS NOTED OTHERWISE, MANUFACTURERS MUST PROVIDE FILLER PANELS TO MATCH ADJACENT CASEWORK WHERE THE ADJOINING CASEWORK AND WALL SURFACE DO NOT MEET RESULTING IN VOIDS OR GAPS 1/2" WIDE OR LESS.
  - ALL ANCHORING DEVICES MUST BE CONCEALED.
  - ALL WALL CABINETS ARE TO BE INSTALLED SO THE TOPS OF THE CABINETS ARE 7'-0" AFF.
- ENLARGED PLAN NOTES**
- ALL EPOXY COUNTERTOPS, BACKSPASHES AND SIDESPASHES SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR.

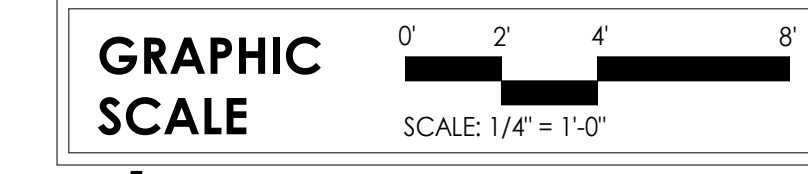
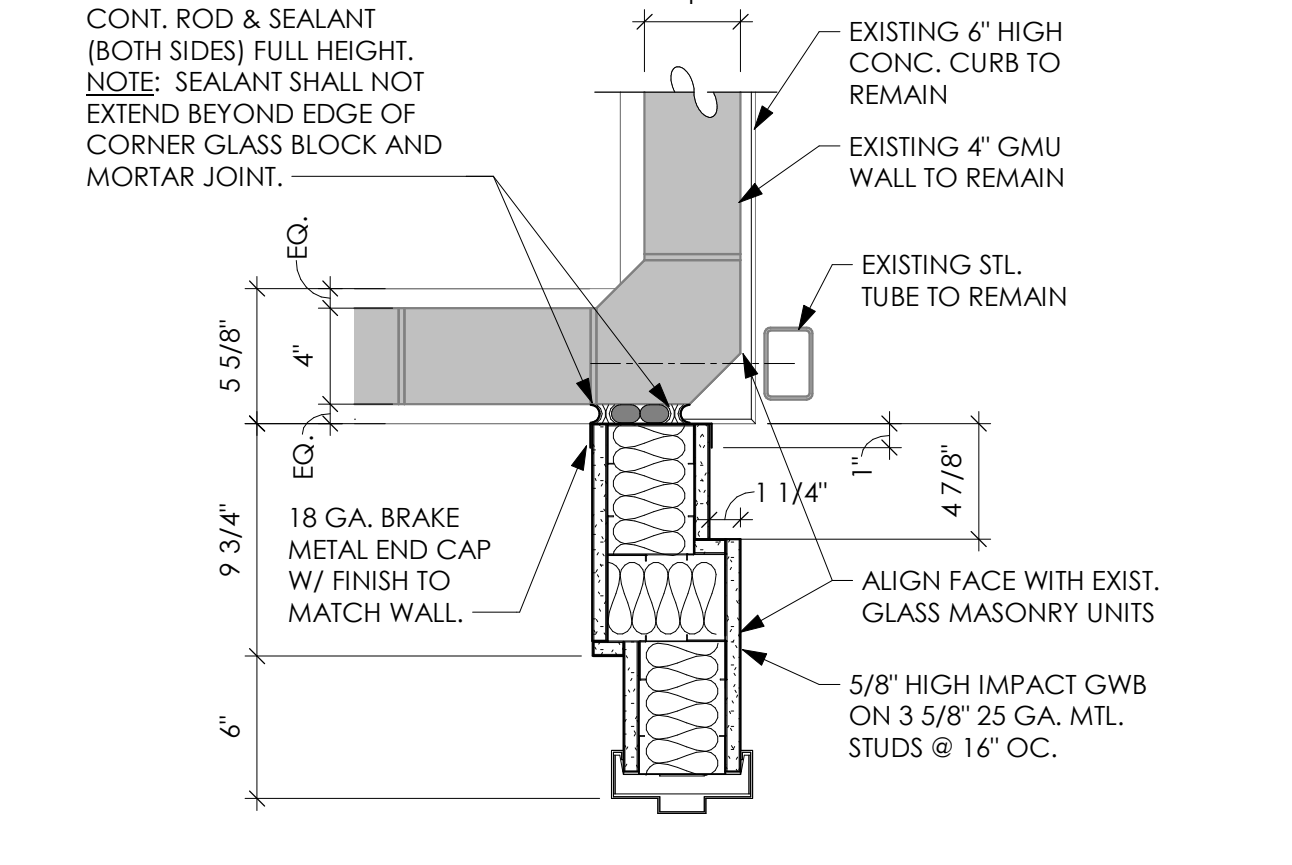
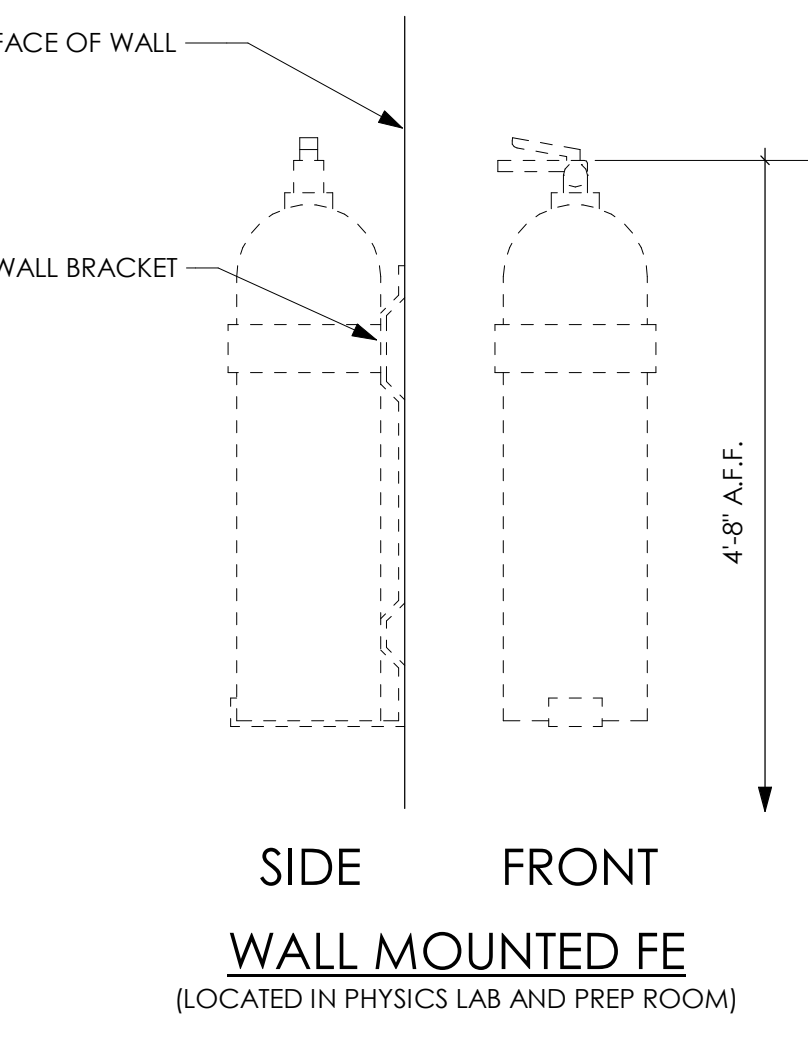
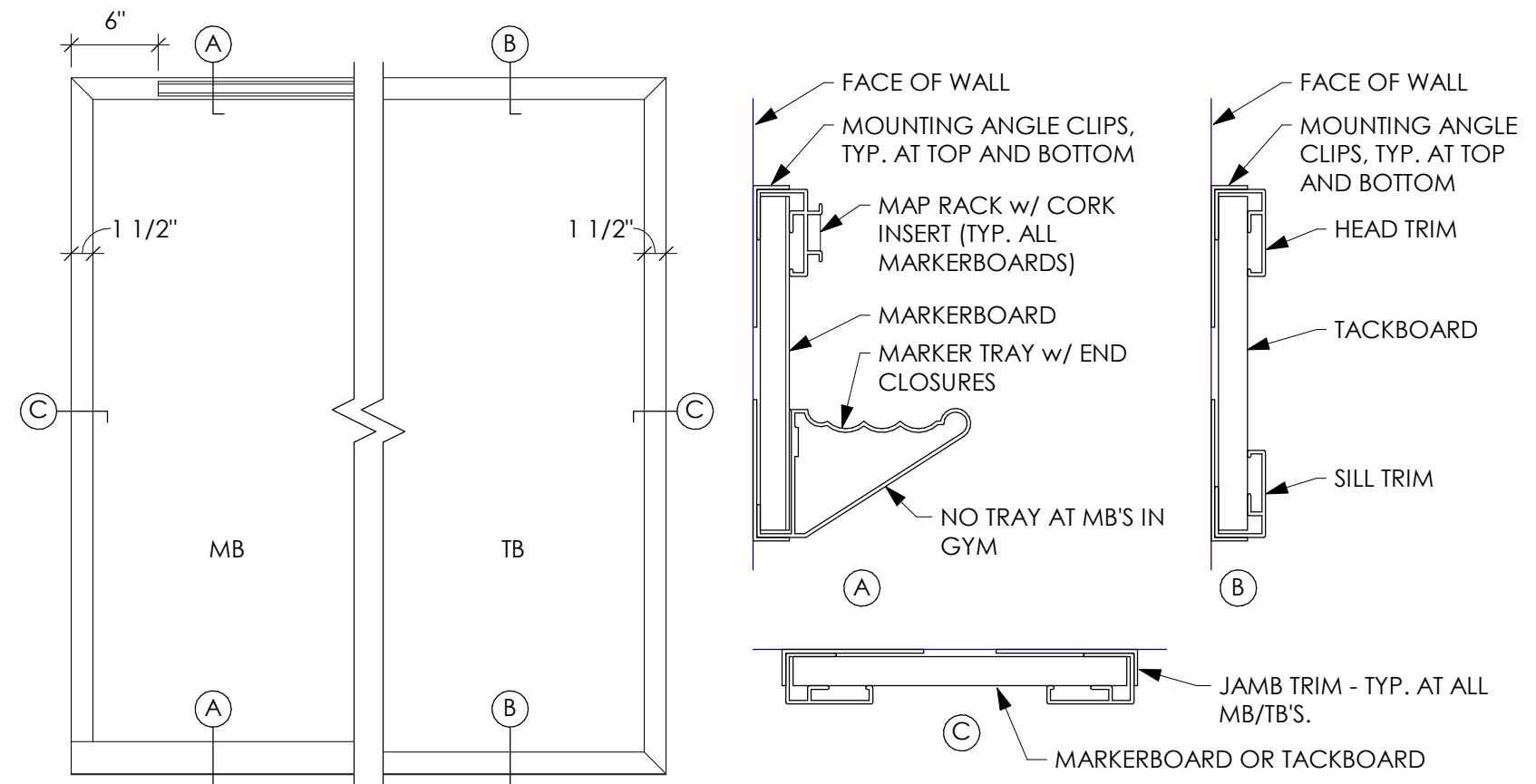
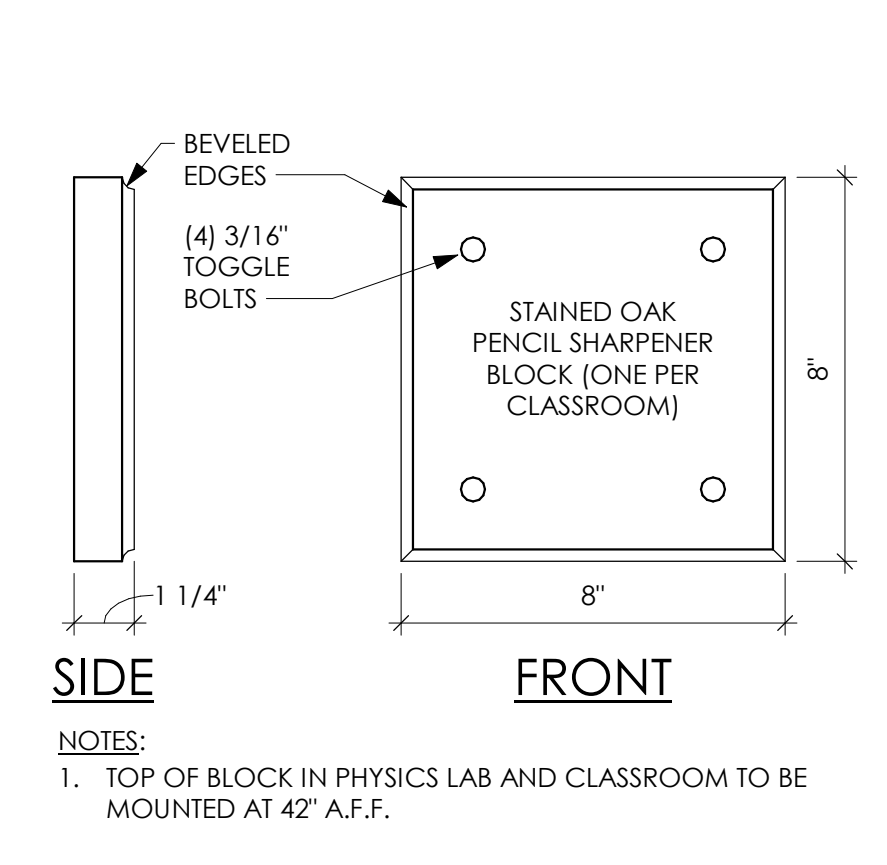
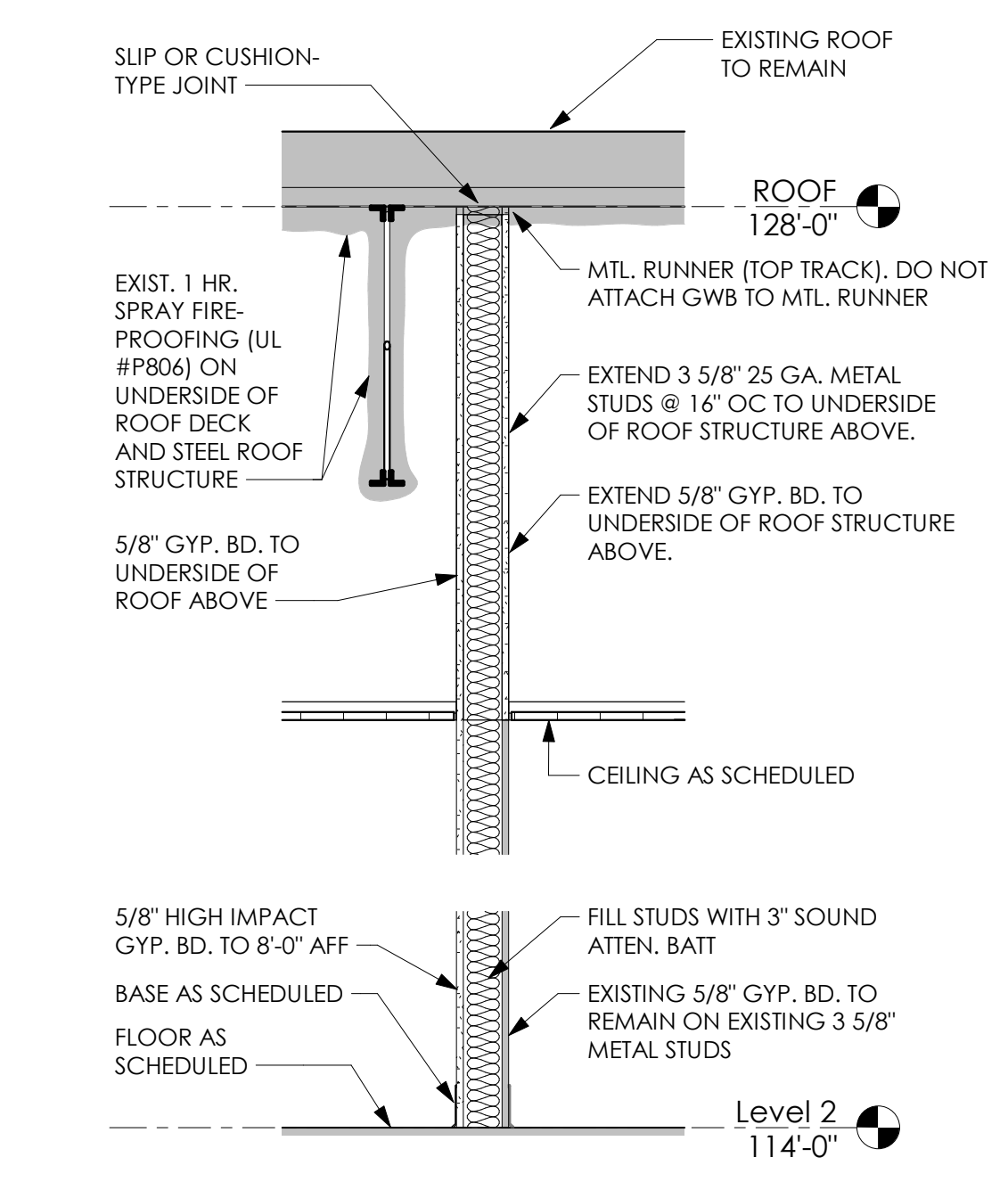
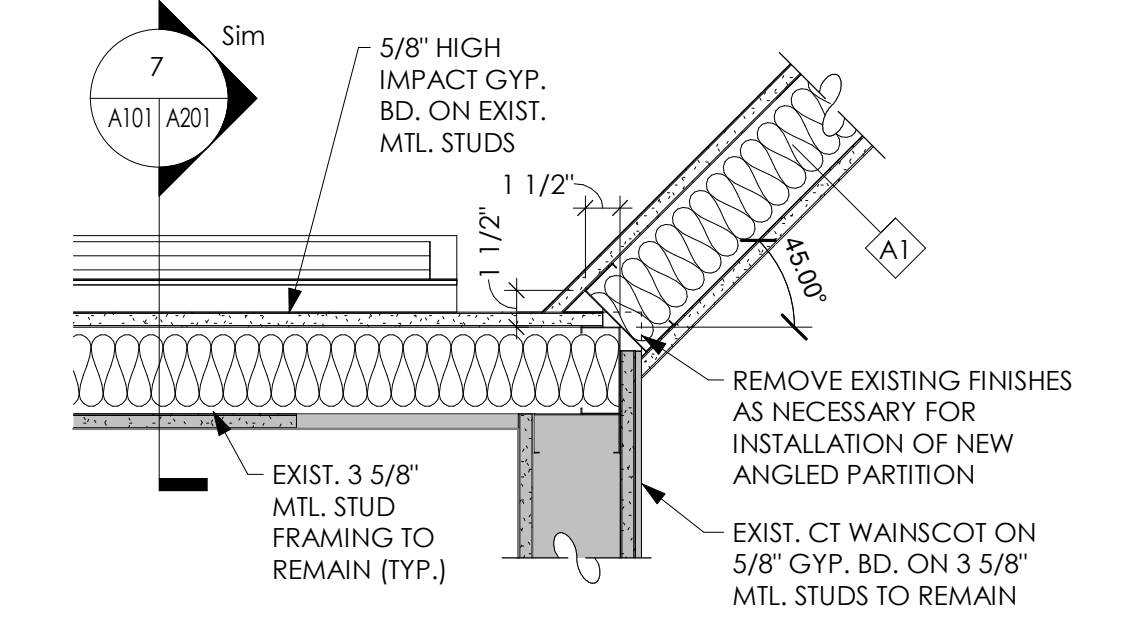
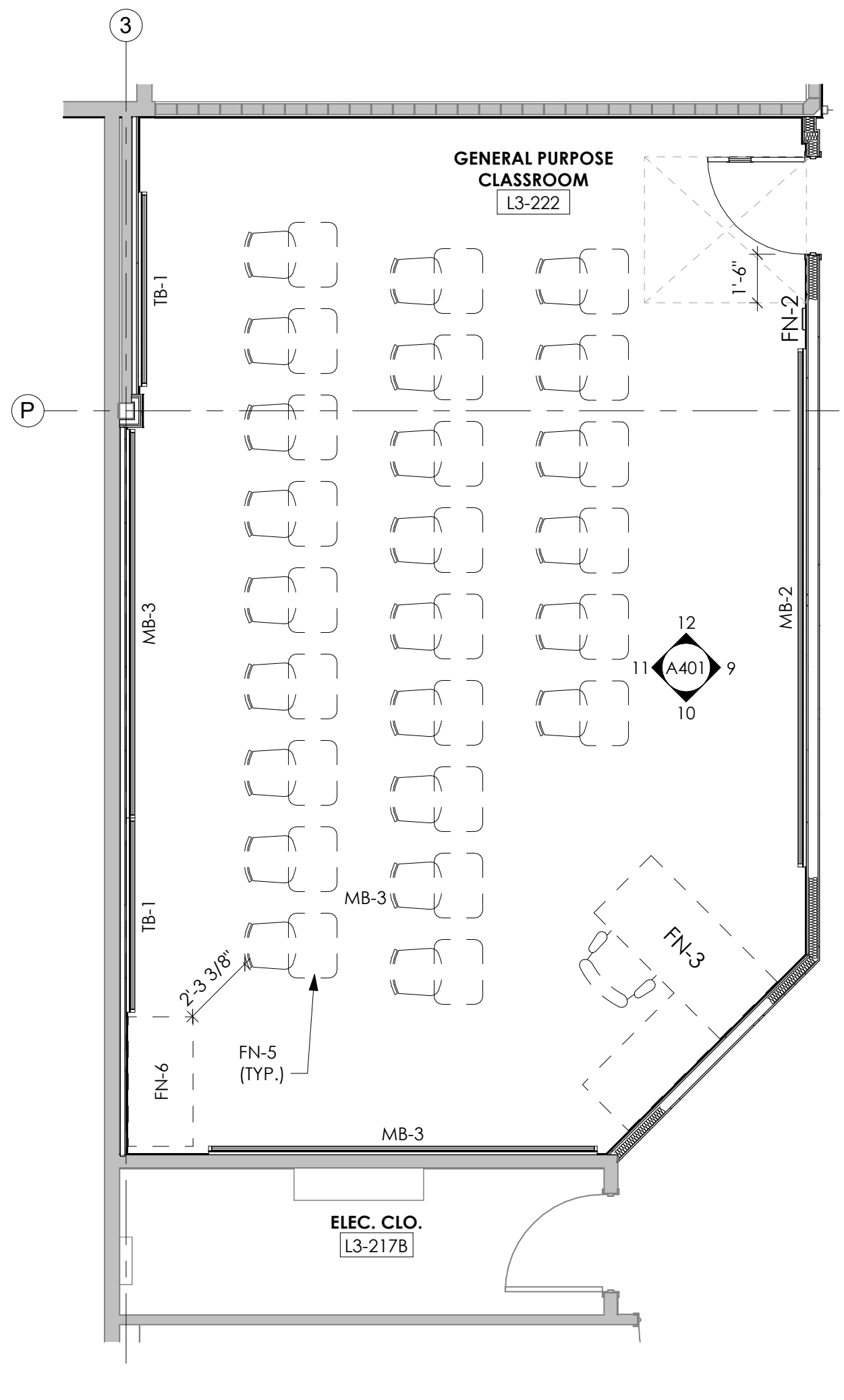
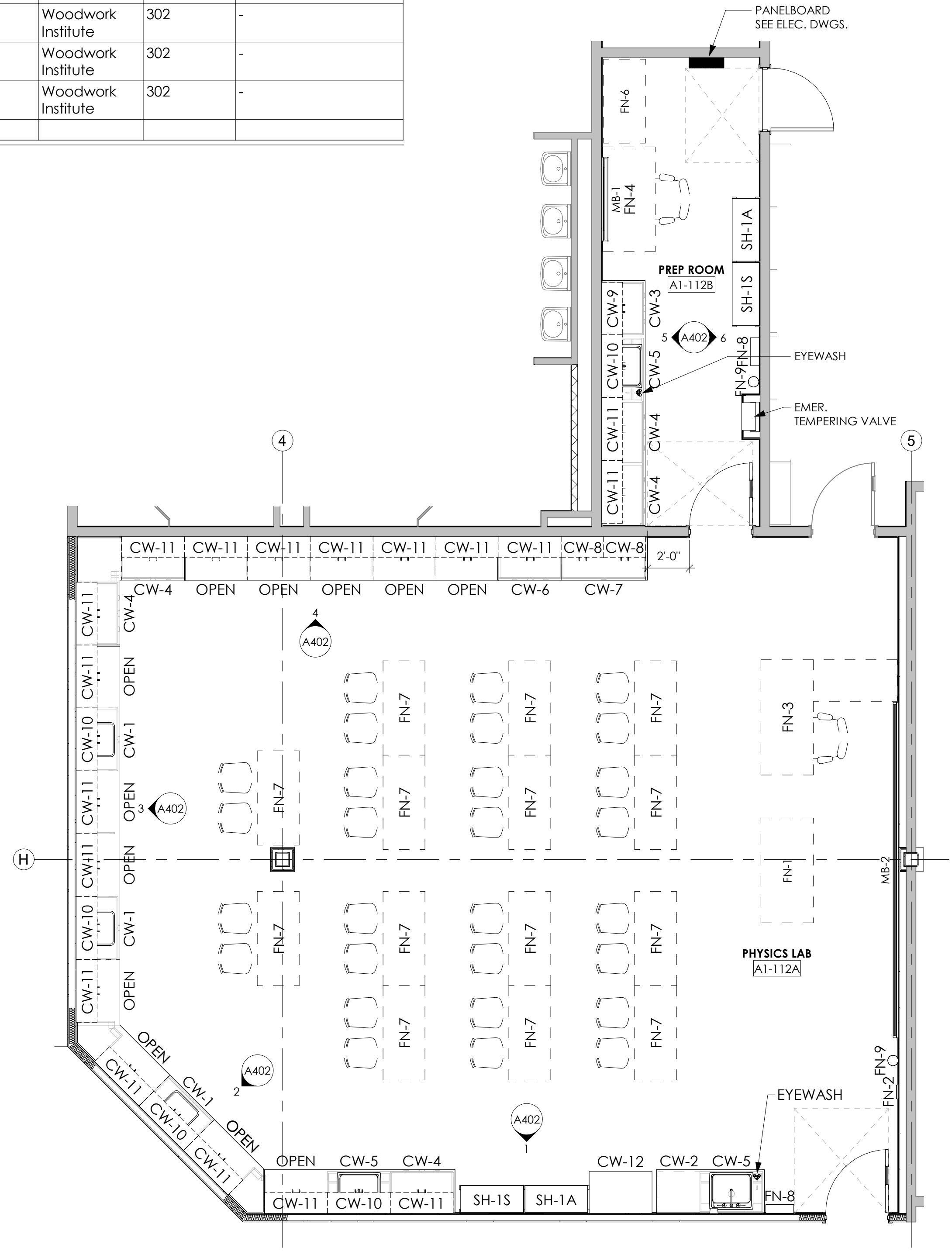
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FAIRFAX COUNTY PUBLIC SCHOOLS  
**Chantilly High School**  
Physics Lab and Classroom Additions  
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Key Information

EXTENTS OF WORK

SECOND FLOOR KEYPLAN  
NOT TO SCALE

EXTENTS OF WORK

FIRST FLOOR KEYPLAN  
NOT TO SCALE

No: Revision Date

Sheet Title: **ENLARGED PLANS**

Drawn By: \_\_\_\_\_ Author: \_\_\_\_\_  
Issue Date: \_\_\_\_\_ 05/07/24  
Scale: \_\_\_\_\_ As Noted  
BUJA Project No.: \_\_\_\_\_ 24002.01  
Sheet No.: \_\_\_\_\_

**A201**  
BID SET

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A

B

C




D

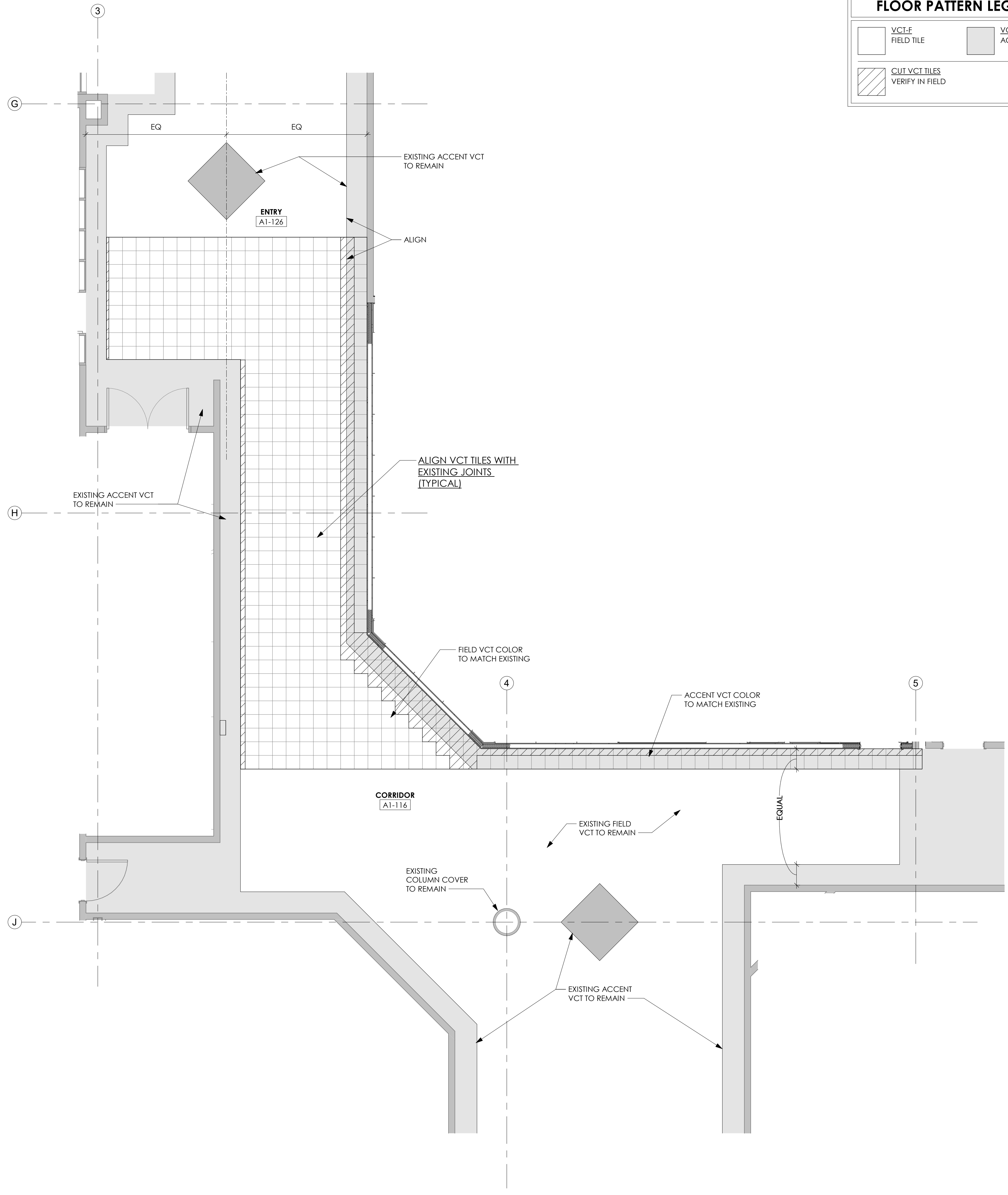
E

**GENERAL FLOOR PATTERN NOTES**

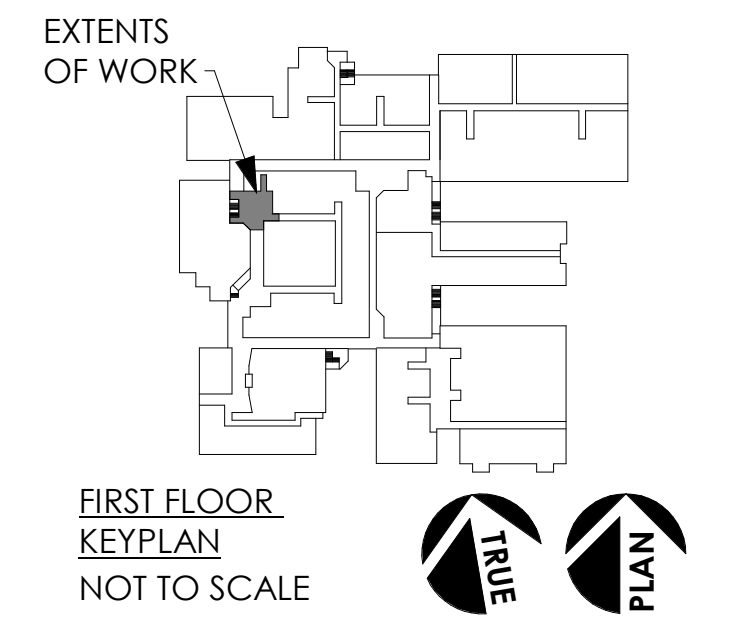
- A. REFER TO 1/8" FLOOR PLAN SHEET A101 FOR PLAN DIMENSIONS NOT SHOWN.
- B. VCT FLOOR PATTERNS ARE COMPRISED OF TWO (2) COLORS - ONE (1) FIELD COLOR (VCT-F) AND ONE (1) ACCENT COLOR (VCT-1). COLORS TO BE SELECTED BY ARCHITECT.
- C. EACH SQUARE ON VCT FLOOR PATTERN PLANS REPRESENTS ONE (1) FULL 12"x12" TILE, UNLESS NOTED OTHERWISE.
- D. IN ORDER TO LAYOUT VCT PATTERNS AS SHOWN, FIELD TILES MAY NEED TO BE ADJUSTED AND/OR CUT. THE CONTRACTOR MUST SHOW THESE ADJUSTED AND/OR CUT LOCATIONS ON THE SHOP DRAWINGS FOR ARCHITECT'S APPROVAL.
- E. ALIGN VCT TILE WITH EXISTING VCT TILE JOINTS.

**FLOOR PATTERN LEGEND**

 VCT-F FIELD TILE	 VCT-1 ACCENT TILE 1
 CUT VCT TILES VERIFY IN FIELD	



Key Information

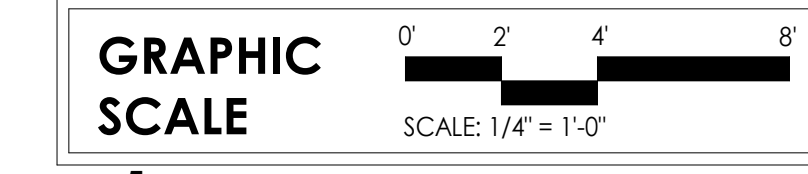
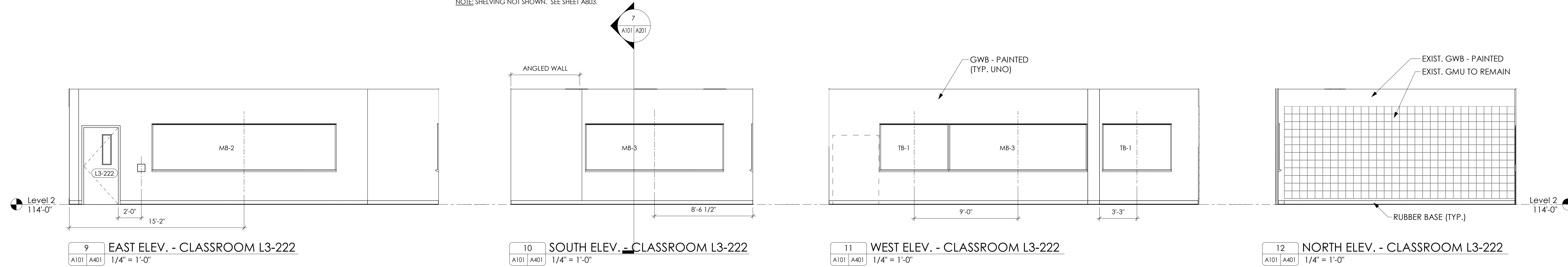
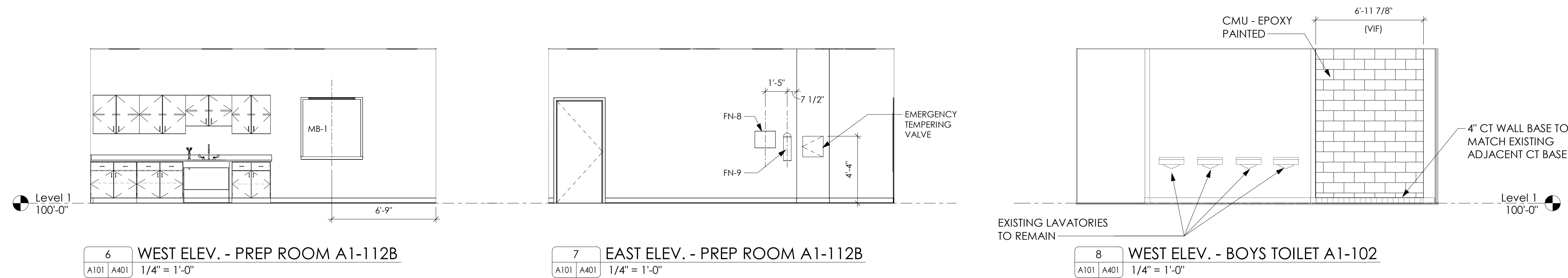
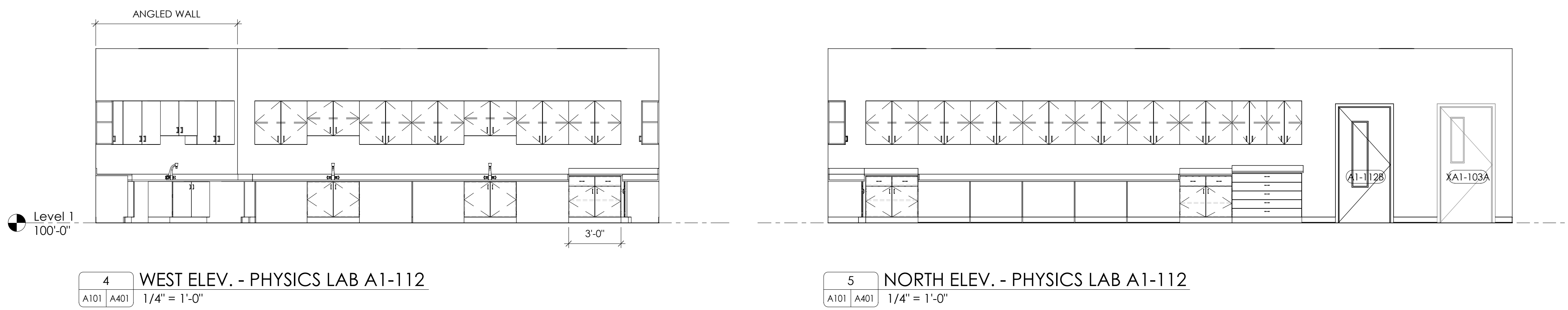
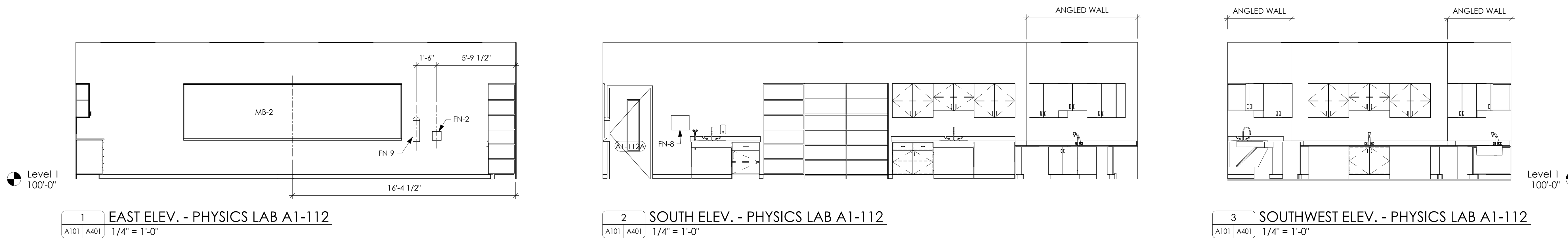


No.	Revision	Date

Sheet Title:

**FLOOR PATTERN PLAN**

Drawn By:	Author
Issue Date:	05/07/24
Scale:	As Noted
BUJA Project No.:	24002.01
Sheet No.:	<b>A301</b>



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**5 GENERAL CASEWORK NOTES**

A. ALL CASEWORK, MILLWORK, AND CABINERY SHALL CONFORM TO ARCHITECTURAL WOODWORK INSTITUTE (AWI) STANDARDS.

**CASEWORK NOTES**

1. EPOXY COUNTERTOP AND BACKSPLASH.
2. DRAWER(S), APRON PANEL AND DOOR(S) - PLASTIC LAMINATE ON 3/4" PARTICLE BOARD (TYP.)
3. 3MM RADIUSSED PVC EDGES AT DRAWER(S), APRON PANEL AND DOOR(S) AND 1MM RADIUSSED PVC EDGES AT END PANELS.
4. SEE SPECIFICATIONS FOR DRAWER AND DOOR PULLS.
5. 4" HIGH RESILIENT BASE.
6. ADJUSTABLE SHELF (SHELVES) - PLASTIC LAMINATE ON 3/4" PARTICLE BOARD (TYP.).
7. REMOVEABLE KNEE SPACE PANEL - PLASTIC LAMINATE ON 5/8" PARTICLE BOARD (TYP.).
8. CONTINUOUS WOOD CLEAT - INSTALL w/ 5/16" LAG BOLTS.
9. BOTTOM SHELF - PLASTIC LAMINATE ON 1" PARTICLE BOARD (TYP.).
10. TOP AND ENDS (EXPOSED) - PLASTIC LAMINATE ON 3/4" PARTICLE BOARD (TYP.).
11. SIDESPLASH - (TO MATCH BACKSPLASH), WHERE END OF BASE CABINET TOUCHES WALL (TYP.). SEE PLANS AND ELEVATIONS FOR LOCATIONS.



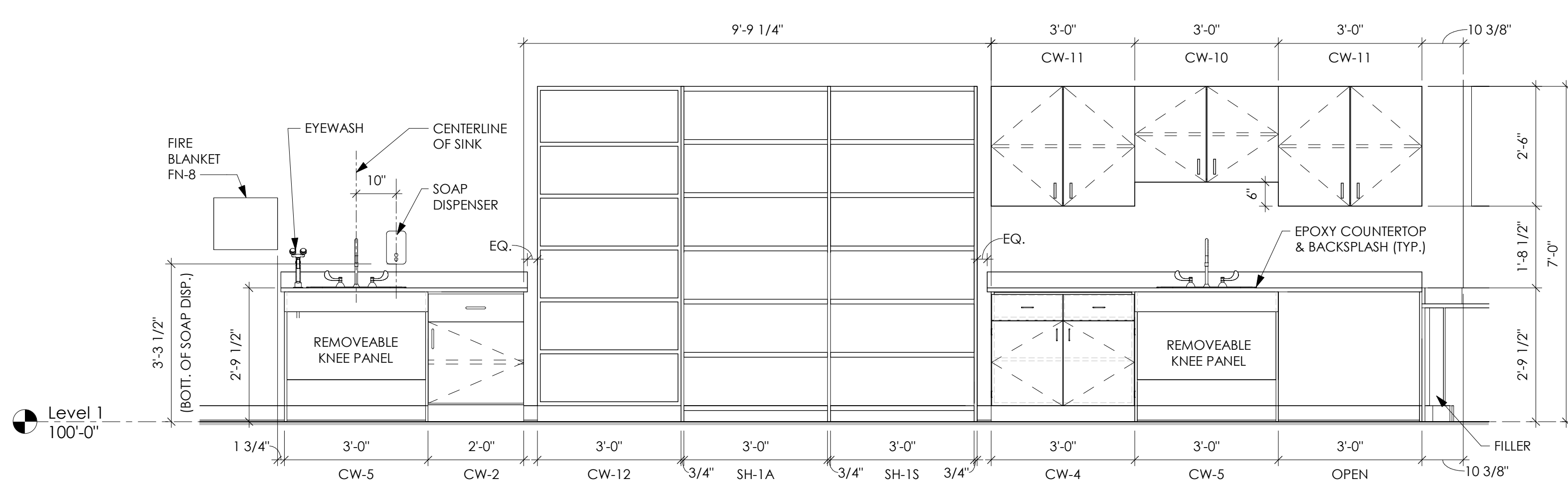
FAIRFAX COUNTY PUBLIC SCHOOLS  
**Chantilly High School**  
**Physics Lab and Classroom Additions**  
 4201 Stringfellow Rd.  
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Architect of Record  
  
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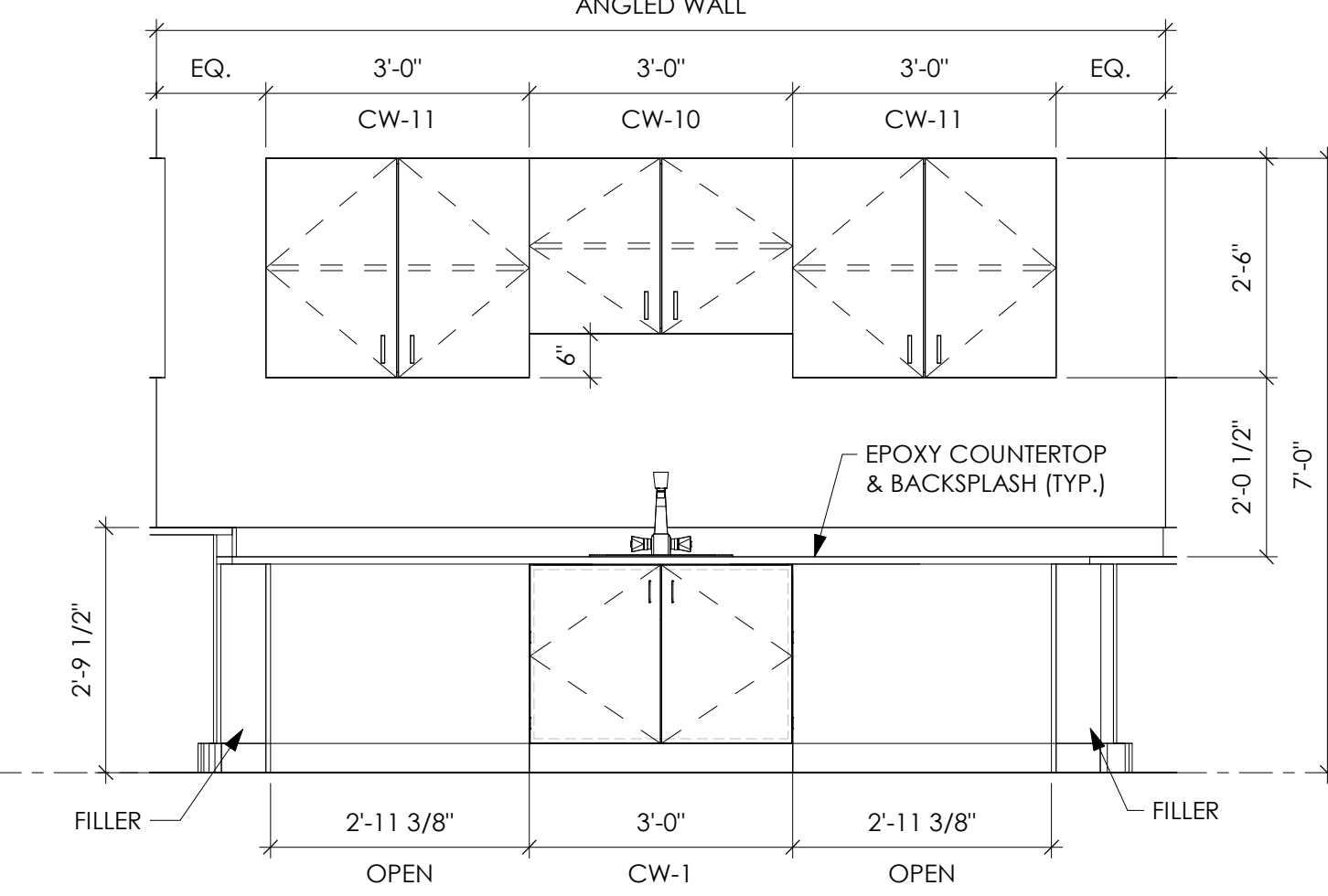
Structural Engineer  
  
**EHLERT BRYAN**  
 8609 Westwood Center Dr. Suite 800  
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MEP Engineers  
  
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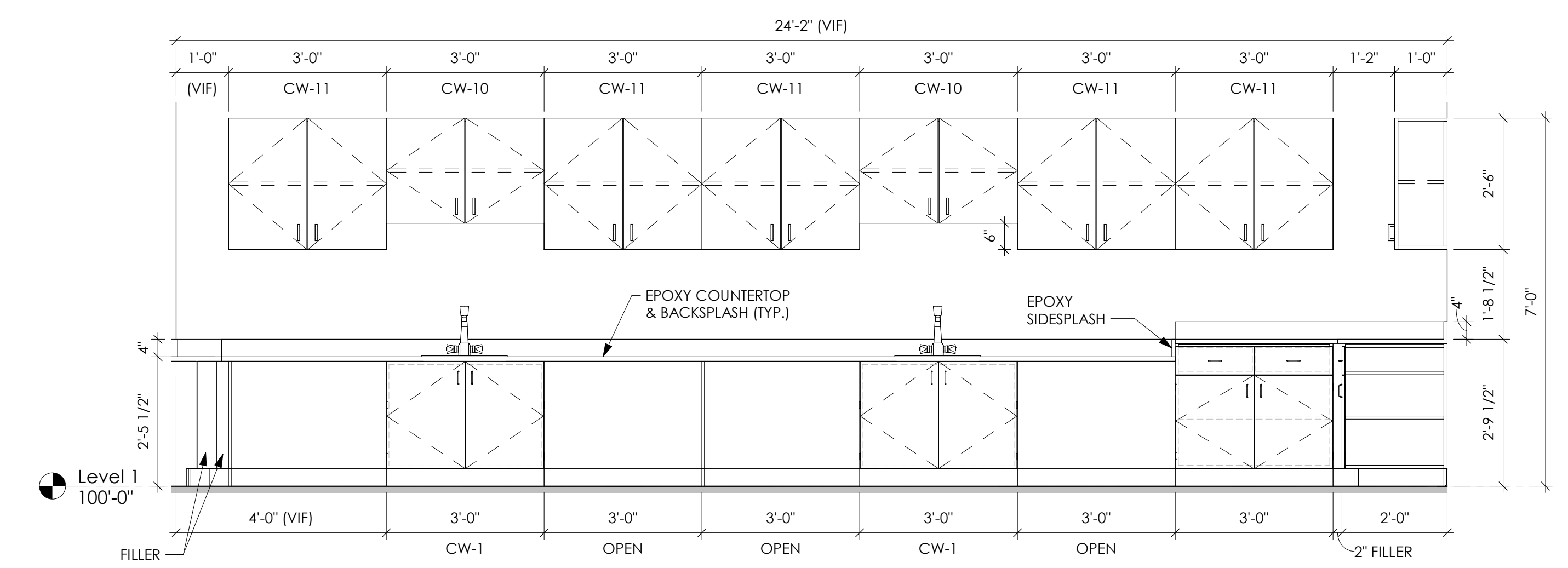
Key Information



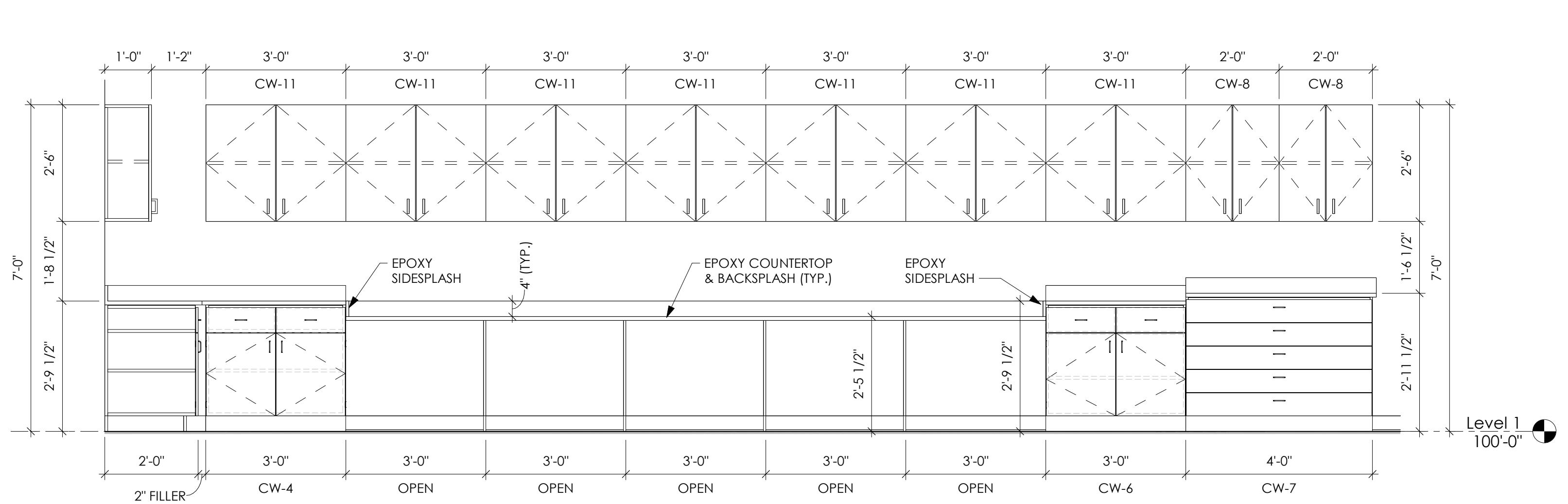
**1 PHYSICS CR - SOUTH ELEV.**  
 A201 | A402 | 1/2" = 1'-0"



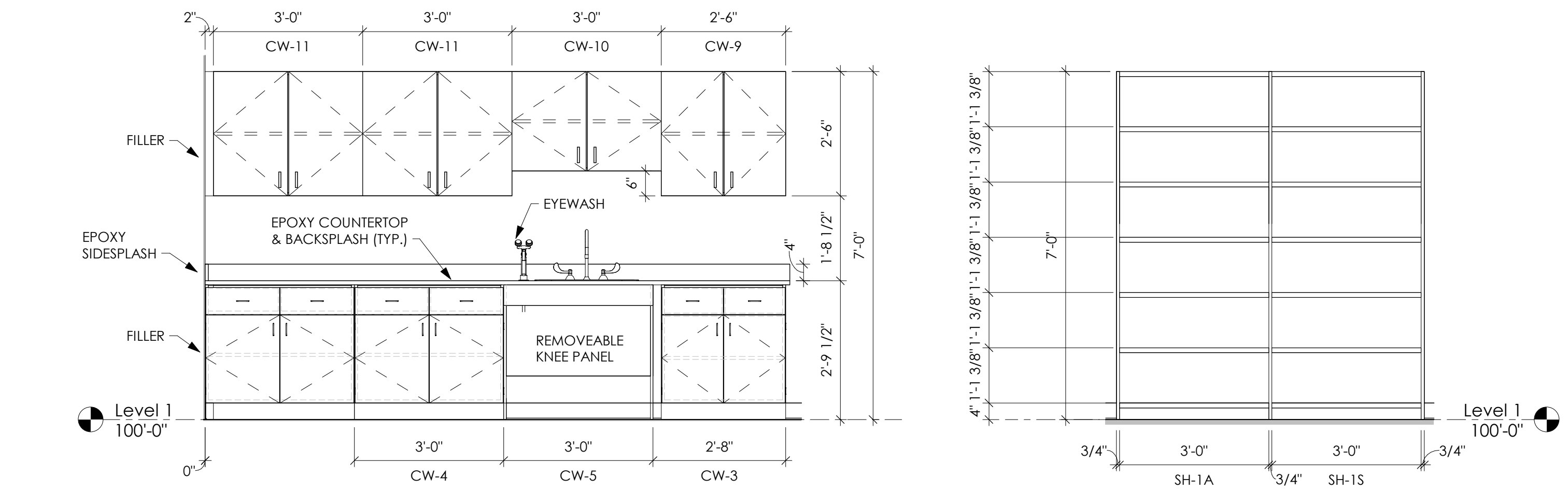
**2 PHYSICS CR - SOUTHWEST ELEV.**  
 A201 | A402 | 1/2" = 1'-0"



**3 PHYSICS CR - WEST ELEV.**  
 A201 | A402 | 1/2" = 1'-0"

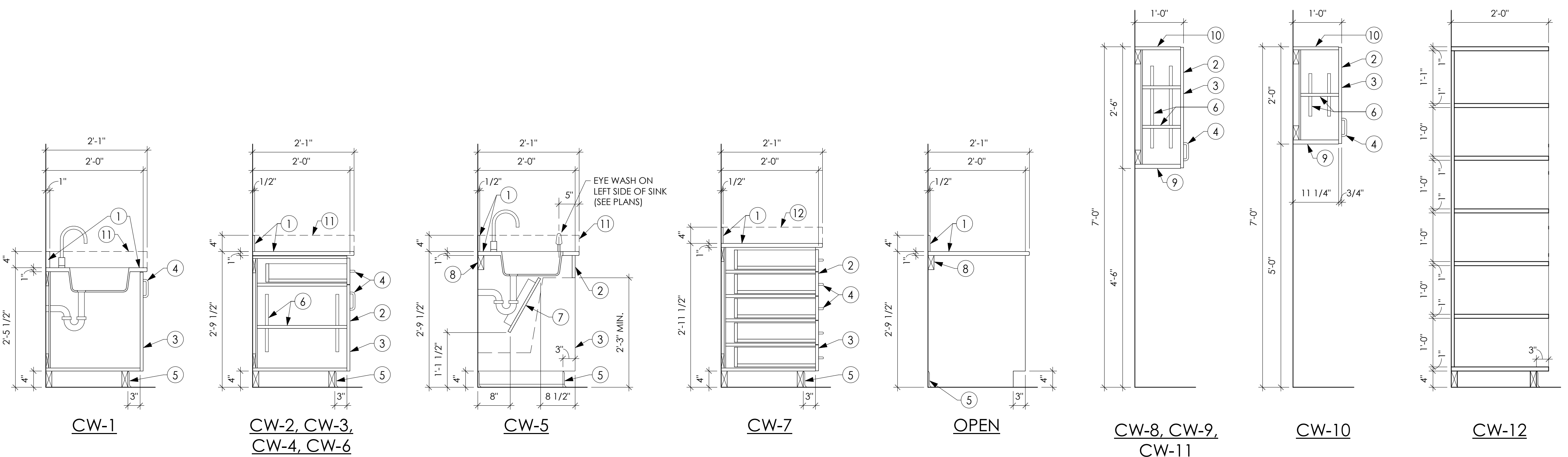


**4 PHYSICS CR - NORTH ELEV.**  
 A201 | A402 | 1/2" = 1'-0"

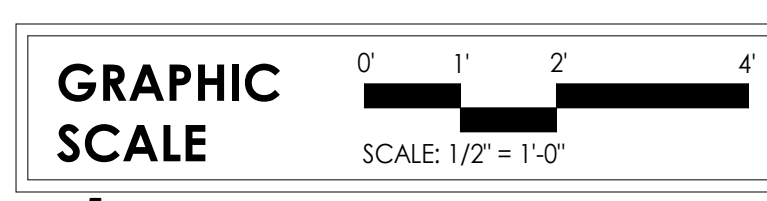


**5 PREP ROOM - WEST ELEV.**  
 A201 | A402 | 1/2" = 1'-0"

**6 PREP ROOM - EAST ELEV.**  
 A201 | A402 | 1/2" = 1'-0"



**7 CASEWORK SECTIONS**  
 A402 | A402 | 3/4" = 1'-0"



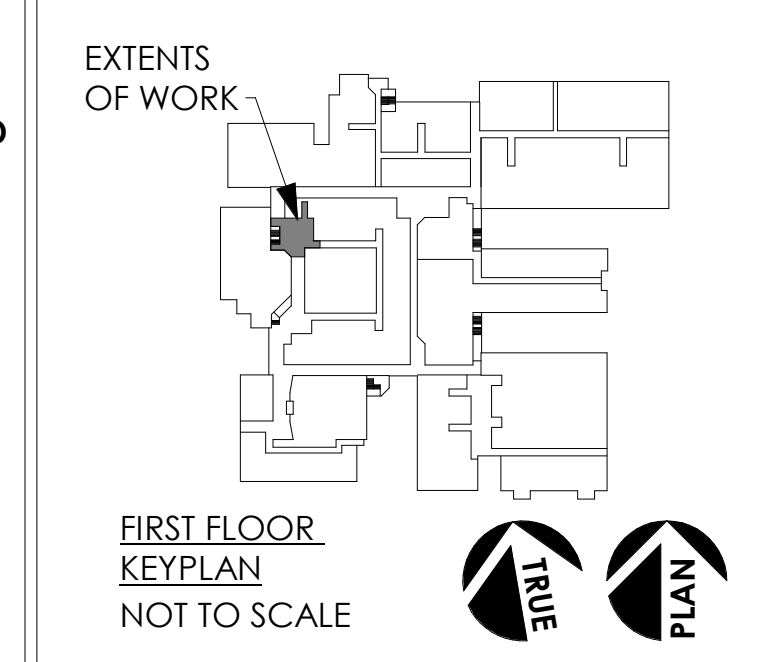
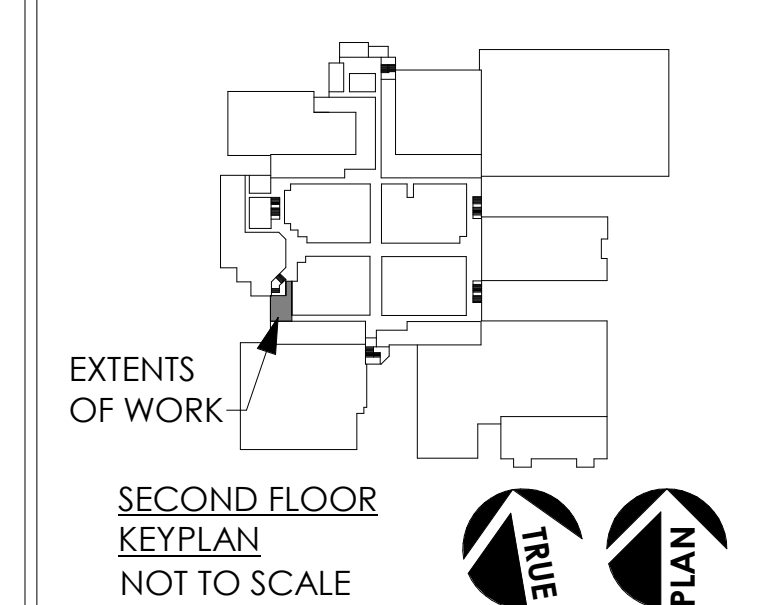
**CASEWORK ELEVATIONS AND SECTIONS**

Drawn By: \_\_\_\_\_ Author: \_\_\_\_\_  
 Issue Date: 05/07/24  
 Scale: As Noted  
 BUJA Project No.: 24002.01  
 Sheet No.: \_\_\_\_\_

**A402**  
 BID SET

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Key Information



No.	Revision	Date

**PARTIAL CEILING PLANS**

Drawn By:	Author
Issue Date:	05/07/24
Scale:	As Noted
BUJA Project No.:	24002.01
Sheet No.:	

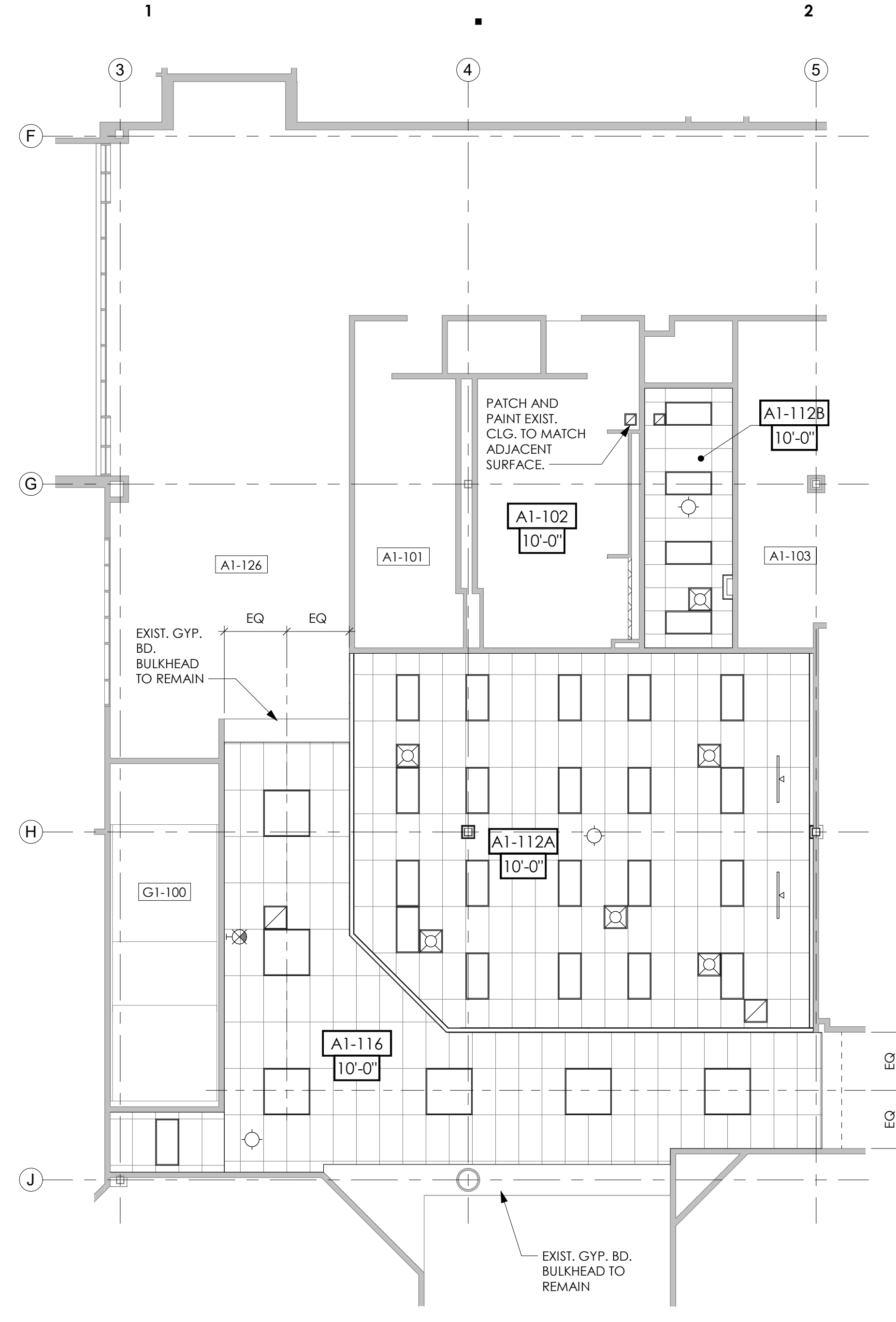
**A501**  
BID SET

**GENERAL CEILING PLAN NOTES**

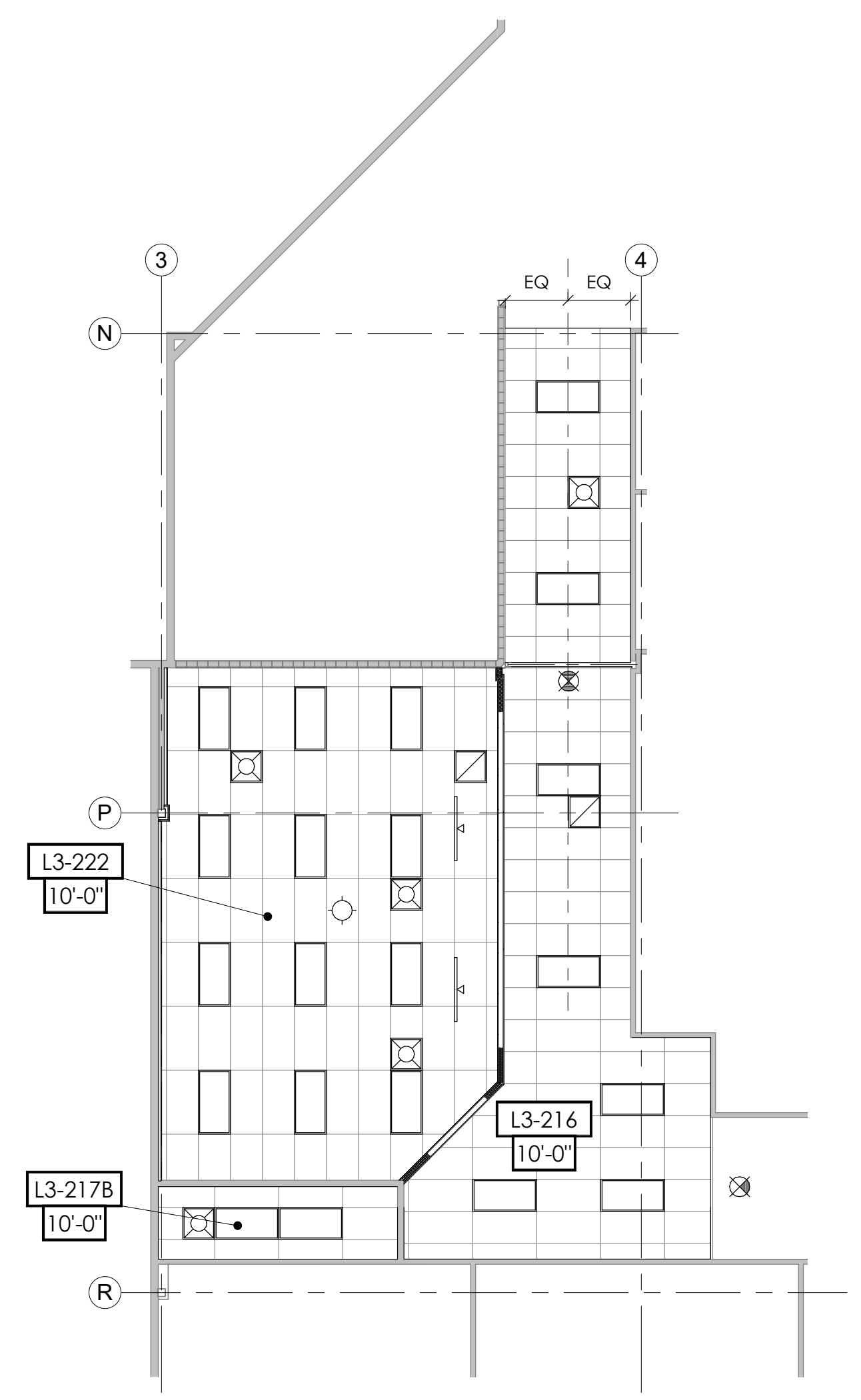
- A. THE REFLECTED CEILING PLAN DENOTES THE CEILING PANEL IN WHICH THE FIXTURE IS LOCATED. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE AND DIFFUSER SIZE, TYPE, AND QUANTITY.
- B. REFER TO MEP DRAWINGS FOR ANY CEILING MOUNTED OBJECT NOT LISTED IN THE LEGEND BELOW.

**CEILING PLAN LEGEND**

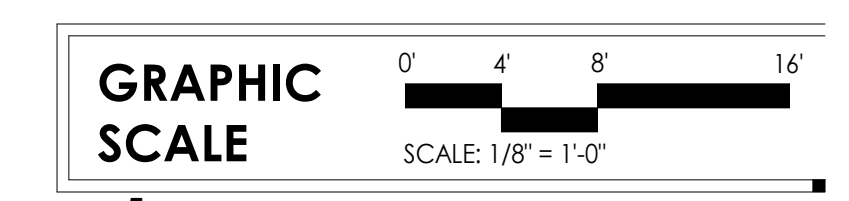
- 101 ROOM NUMBER
- 1'-0" CEILING HEIGHT, ABOVE FINISH FLOOR
- 2x4 ATC CEILING IN METAL SUSPENSION SYSTEM. REFER TO FINISH SCHEDULE FOR ATC TYPES AND HEIGHTS
- EXISTING CEILING TO REMAIN
- DIFFUSER
- RETURN
- FIRE ALARM
- STANDARD LIGHT FIXTURES
  - 2x4 LED
  - 4x4 LED
  - TRACK LIGHT
- LIGHT FIXTURES ON EMERGENCY CIRCUITS
  - CEILING MOUNTED SINGLE FACE EXIT LIGHT
  - WALL MOUNTED SINGLE FACE EXIT LIGHT
  - CEILING MOUNTED DOUBLE FACE EXIT LIGHT
  - WALL MOUNTED DOUBLE FACE EXIT LIGHT



**PARTIAL FIRST FLOOR UNIT A1 REFLECTED CEILING PLAN**  
AS01 | AS01 | 1/8" = 1'-0"



**PARTIAL SECOND FLOOR UNIT L3 REFLECTED CEILING PLAN**  
AS01 | AS01 | 1/8" = 1'-0"

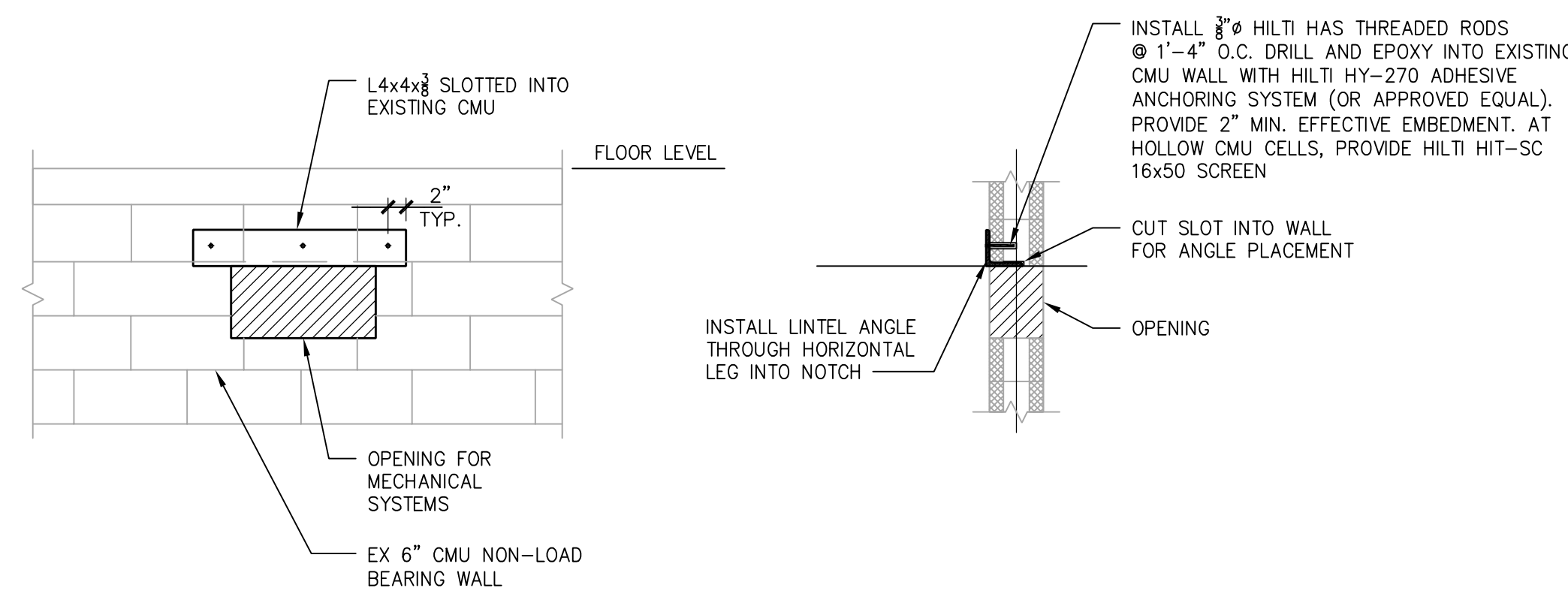


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- STRUCTURAL NOTES
1. GENERAL
    - A. THE INTERIORS RENOVATION SCOPE IS DESIGNED UNDER THE PROVISIONS OF THE 2021 INTERNATIONAL BUILDING CODE AND ASCE 7-16.
  2. EARTHWORK
    - A. COMPACTED BACKFILL AROUND PLUMBING: USE EXISTING SOILS OR #57 STONE. BACKFILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED 8 INCHES AND COMPACTED TO MIN. 95 PERCENT OF THE DRY MAXIMUM DENSITY AS DETERMINED BY ASTM D886.
  3. CONCRETE
    - A. CONCRETE SHALL ATTAIN THE FOLLOWING 28 DAY COMPRESSIVE STRENGTHS PER ASTM A39.
 

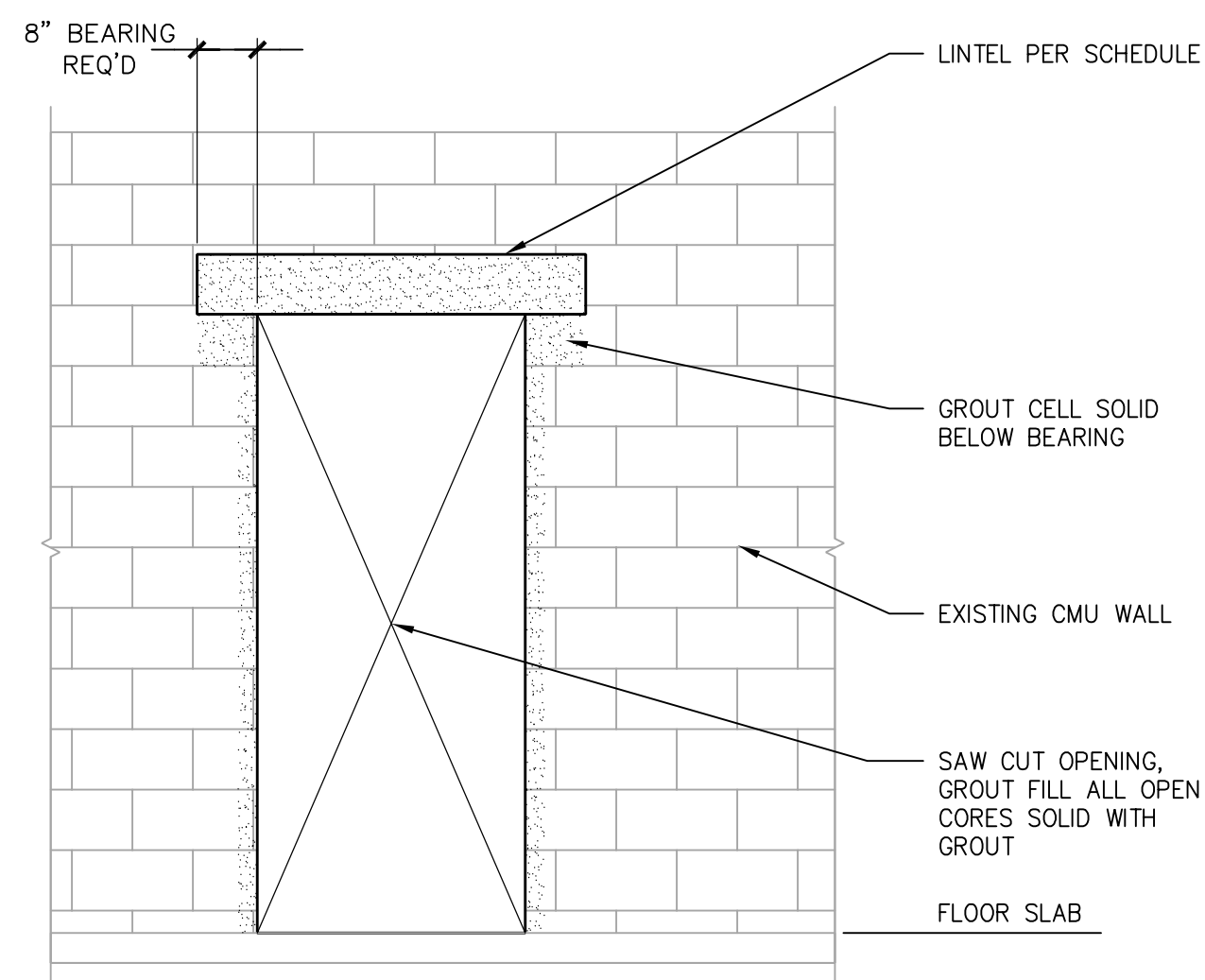
--SLAB-ON-GRAD	3,000 PSI
----------------	-----------
  4. MASONRY
    - A. MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE AND THE 'BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES' TMS 402/ACI-530/ASCE 5 AND THE 'SPECIFICATIONS FOR MASONRY STRUCTURES' TMS 602/ACI-530.1/ASCE 6, LATEST EDITIONS.
    - B. MASONRY TO CONFORM TO THE FOLLOWING SPECIFICATIONS:
 

HOLLOW LOAD-BEARING CMU	ASTM C90
CONCRETE BUILDING BRICK	ASTM C55, GRADE A
MORTAR	ASTM C270, TYPE M OR S
GROUT	ASTM C478
    - C. MASONRY ASSEMBLIES SHALL HAVE COMPRESSIVE STRENGTH (F<sub>m</sub>) GREATER THAN OR EQUAL TO 1350 PSI.
    - D. PROVIDE CONTINUOUS HORIZONTAL JOINT REINFORCING IN MASONRY WALLS AT 16 INCHES O.C.



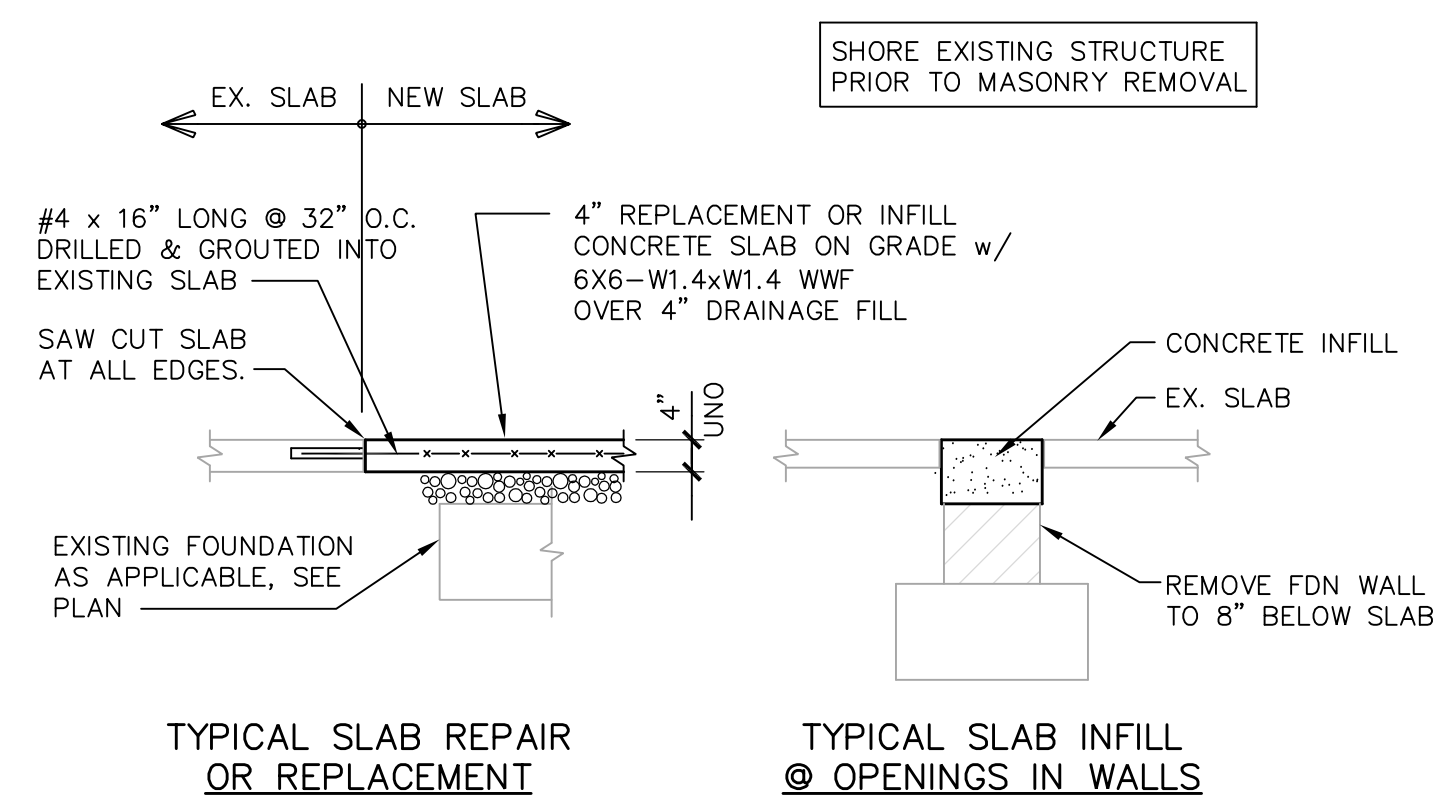
TYPICAL MECHANICAL OPENING UNDER 36 INCHES

SECTION 2  
SCALE: 3/4" = 1'-0"



TYP. EXISTING MASONRY WALL OPENING

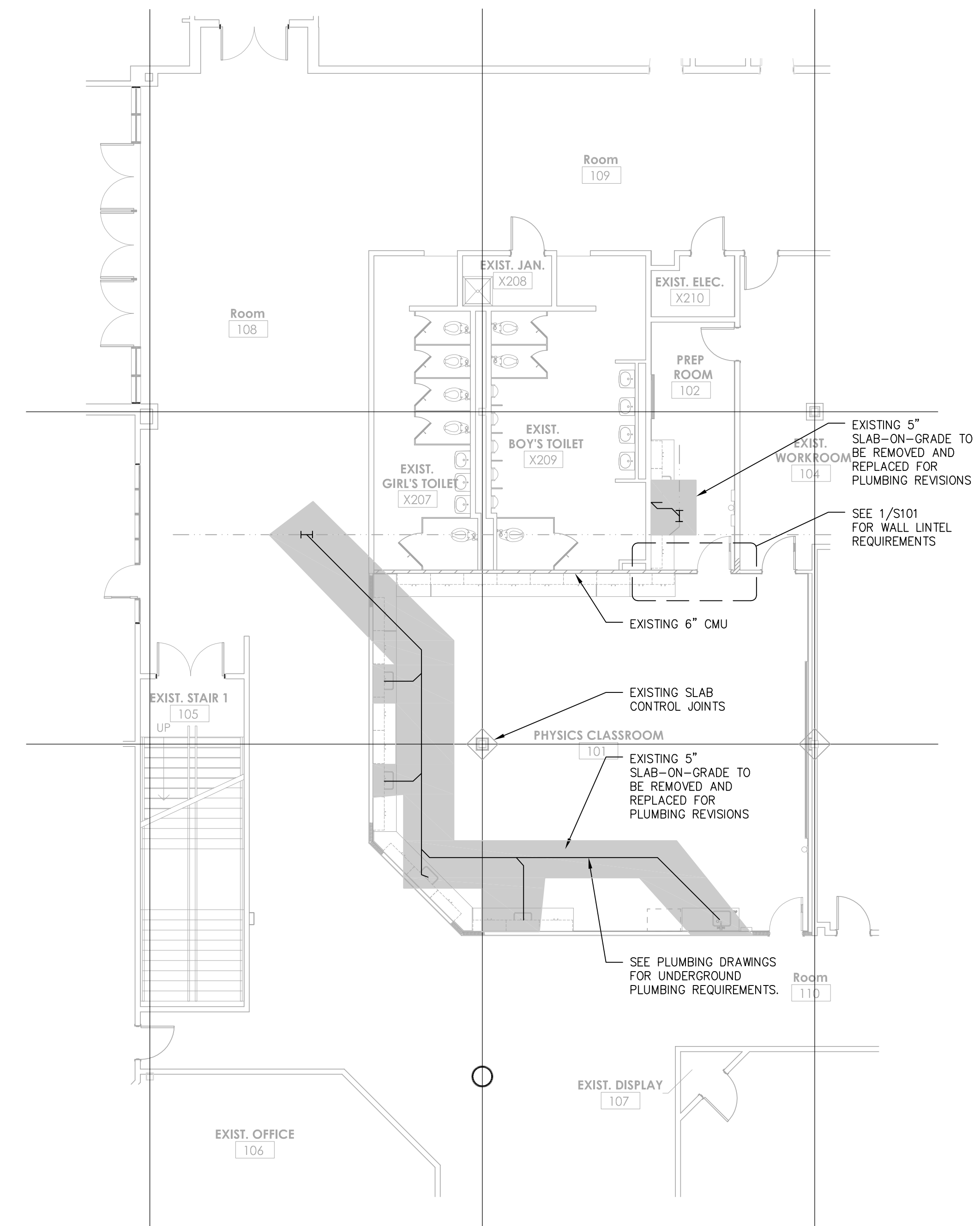
SECTION 3  
SCALE: 1/2" = 1'-0"



TYPICAL SLAB REPAIR OR REPLACEMENT

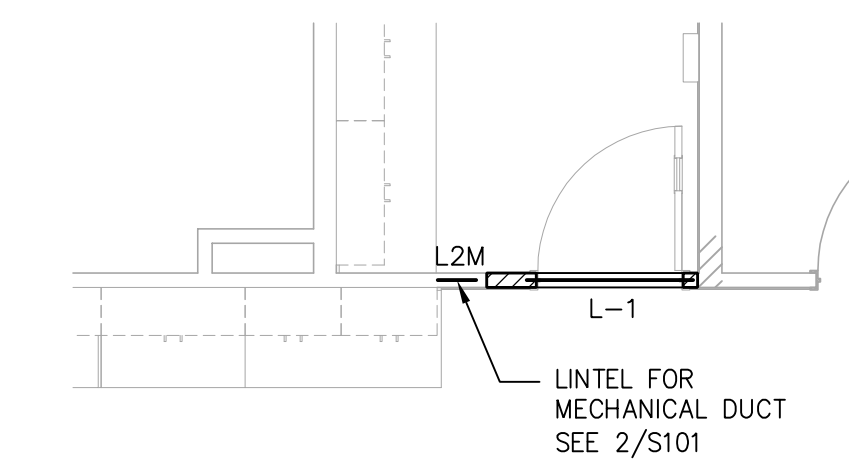
TYPICAL SLAB INFILL @ OPENINGS IN WALLS

SECTION 4  
SCALE: 1/2" = 1'-0"



PARTIAL FIRST FLOOR UNIT A1 PLAN

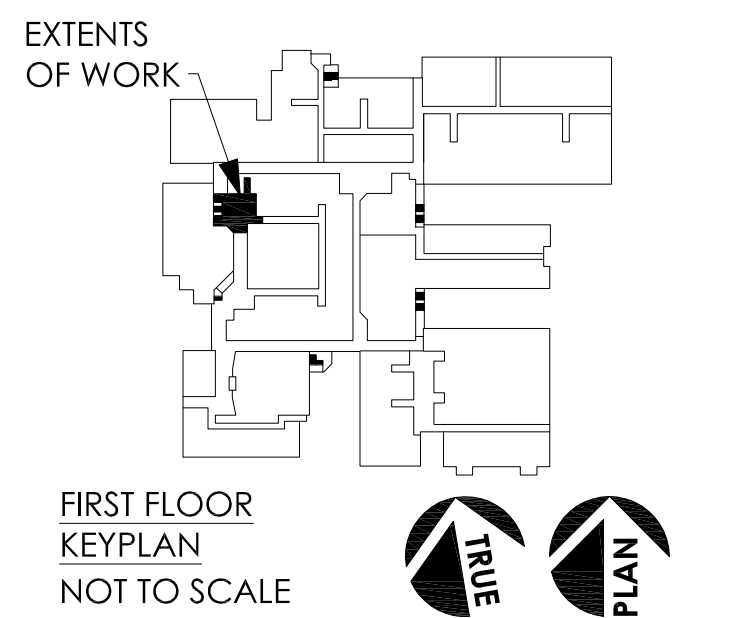
SCALE: 1/8" = 1'-0"



1 PARTIAL PLAN AT DOOR A1-112B

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

- NOTES
1. L1 TO BE 6"x8" PRECAST LINTEL WITH 1#4 TOP AND BOTTOM AND 8" OF BEARING AT EACH END.
  2. AT THE CONTRACTORS OPTION SHORE THE EXISTING CMU ABOVE L1 AND INSTALL THE LINTEL OR REMOVE THE CMU ABOVE THE LINTEL AND REBUILT THE CMU TO THE UNDERSIDE OF THE FLOOR ABOVE.
  3. L1M TO A L4x4x3/8 ANGLE INSTALLED INTO THE FACE OF THE WALL AS SHOWN ON SECTION 2/S101.



No.	Revision	Date

Sheet Title:  
**STRUCTURAL NOTES, PARTIAL PLANS AND SECTIONS**

Drawn By: DT  
Issue Date: 5/07/24  
Scale: As Noted  
BJUA Project No.: 24002.01  
Sheet No.:

**S101**

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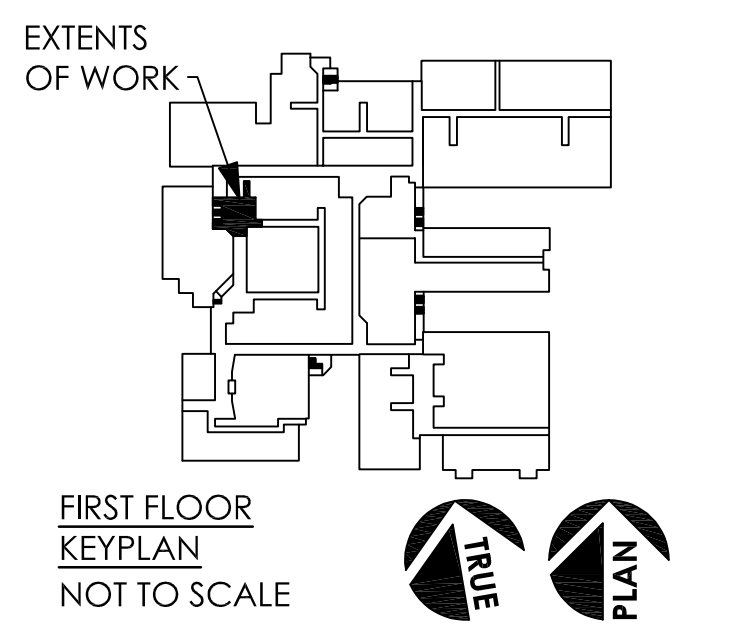
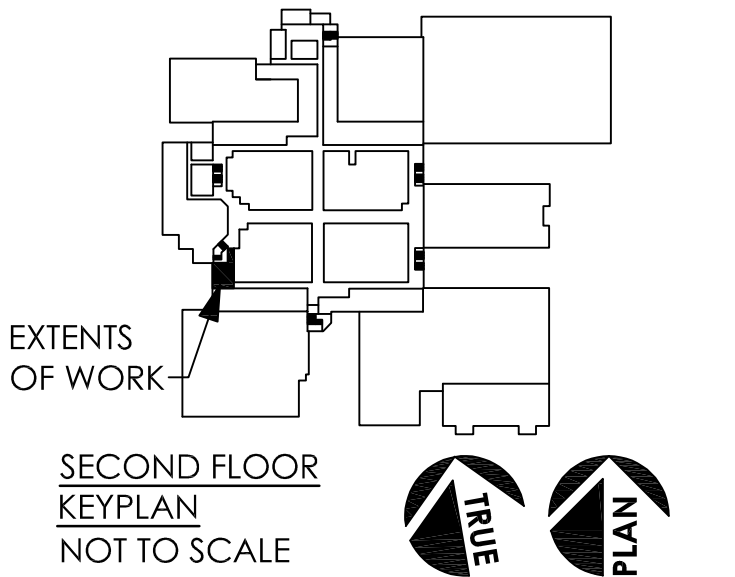
Structural Engineer

MEP Engineers  
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F: 703-273-8846

Civil Engineer

Key Information

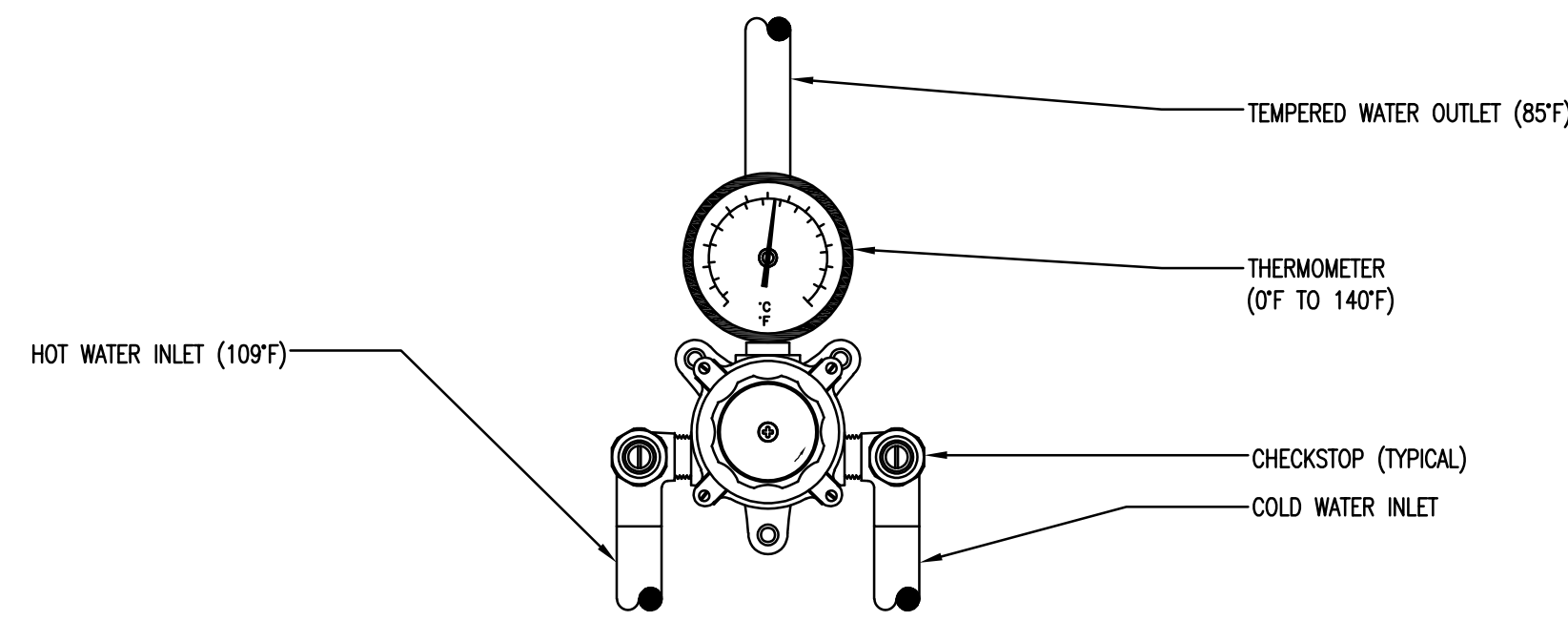
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PLUMBING SYMBOLS AND ABBREVIATIONS			
	EXISTING SOIL OR WASTE PIPE		HOT WATER SUPPLY PIPE (109 F)
	EXISTING STORM SEWER PIPE		HOT WATER RECIRCULATING PIPE (109 F)
	EXISTING VENT PIPE		RISER DOWN
	EXISTING COLD WATER SUPPLY PIPE (RENEWAL PLANS)		RISER UP
	EXISTING HOT WATER SUPPLY PIPE (RENEWAL PLANS)		RISER UP OR DOWN
	EXISTING HOT WATER CIRCULATING PIPE (RENEWAL PLANS)		CAP ON END OF PIPE
	REMOVE INDICATED ITEM		GATE VALVE
	SOIL OR WASTE PIPE		BALANCING VALVE
	STORM SEWER PIPE		FLOOR CLEANOUT (CO)
	VENT PIPE		WASTE/SOIL STACK DESIGNATION
	COLD WATER SUPPLY PIPE		WATER STACK DESIGNATION
	PIPE INCREASE/REDUCER		POINT OF CONNECTION (NEW TO EXISTING)
	(E), EXIST. EXISTING TO REMAIN		HAND. HANDICAPPED
	WC WATER CLOSET		UR URINAL
	LAV LAVATORY		S SINK
	MB MOP BASIN		(PE) PIPE ENCLOSURE (BY G.C.)
	CO CLEAN OUT		

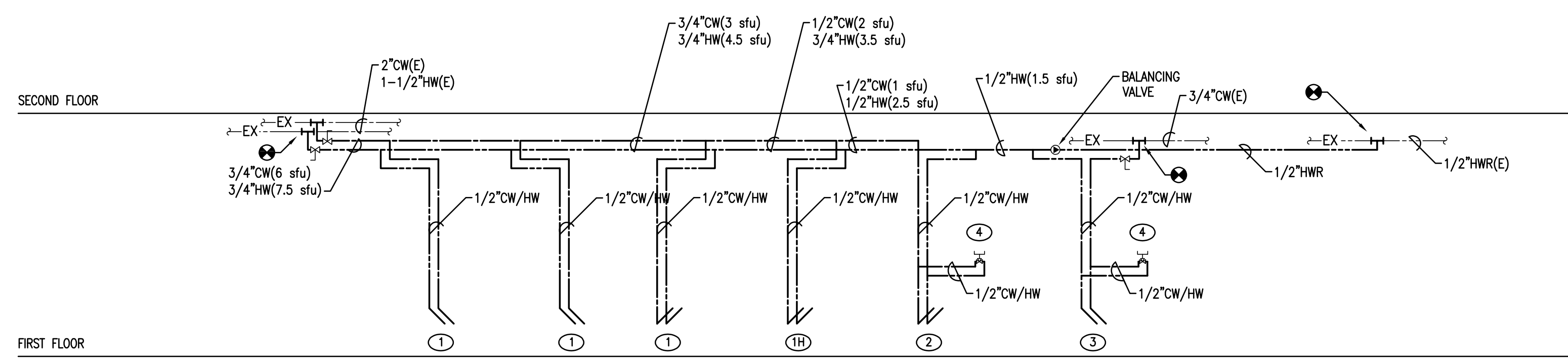
EQUIPMENT CONNECTION SCHEDULE							
ITEM	FIXTURE DESCRIPTION	TRAP	WASTE	VENT	CW	HW	COMMENTS - MOUNTING INSTRUCTIONS
1	STUDENT SCIENCE SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	.....
1B	SCIENCE SINK (HANDICAPPED)	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	.....
2	SCIENCE INSTRUCTOR'S SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	.....
3	SCIENCE PREP ROOM SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	WITH NEUTRALIZING TANK
4	EYE WASH	----	----	----	----	1/2"(T)	MOUNT TEMPERING VALVE BELOW COUNTER

NOTE: ALL ITEMS ON THIS SCHEDULE SHALL BE PROVIDED BY THE GENERAL CONTRACTOR (G.C.). ALL FINAL CONNECTIONS SHALL BE MADE BY THE PLUMBING CONTRACTOR (P.C.). CONTRACTOR SHALL PROVIDE ALL ITEMS NECESSARY TO CONNECT THESE FIXTURES, TO INCLUDE, BUT NOT BE LIMITED TO, P-TRAPS, TAILPIECES, AND SUPPLIES. PROVIDE ALL HANDICAP ACCESSIBLE SINKS WITH OFFSET TRAPS.

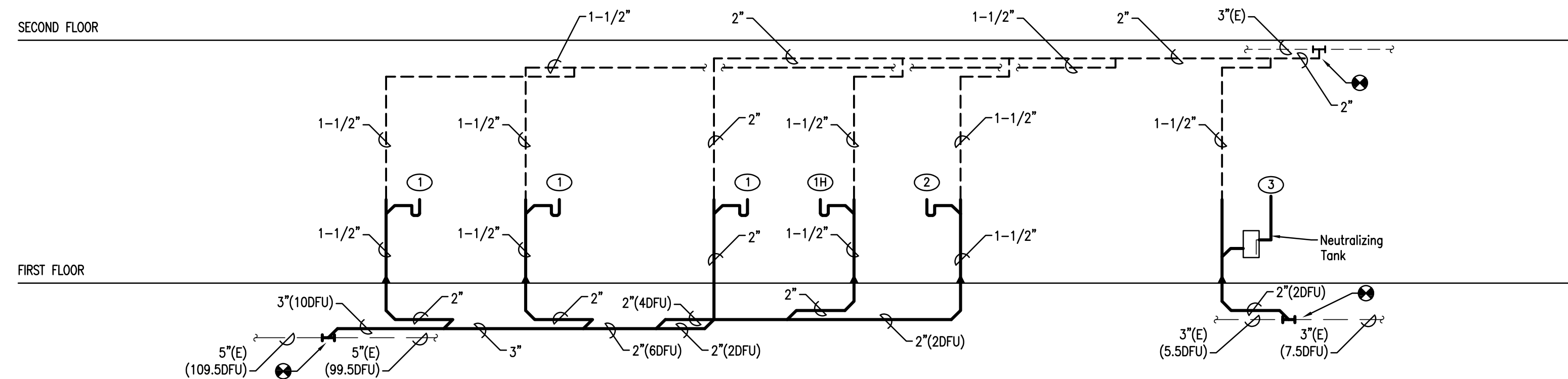


**EMERGENCY EYE WASH TEMPERING VALVE DETAIL**  
NOT TO SCALE

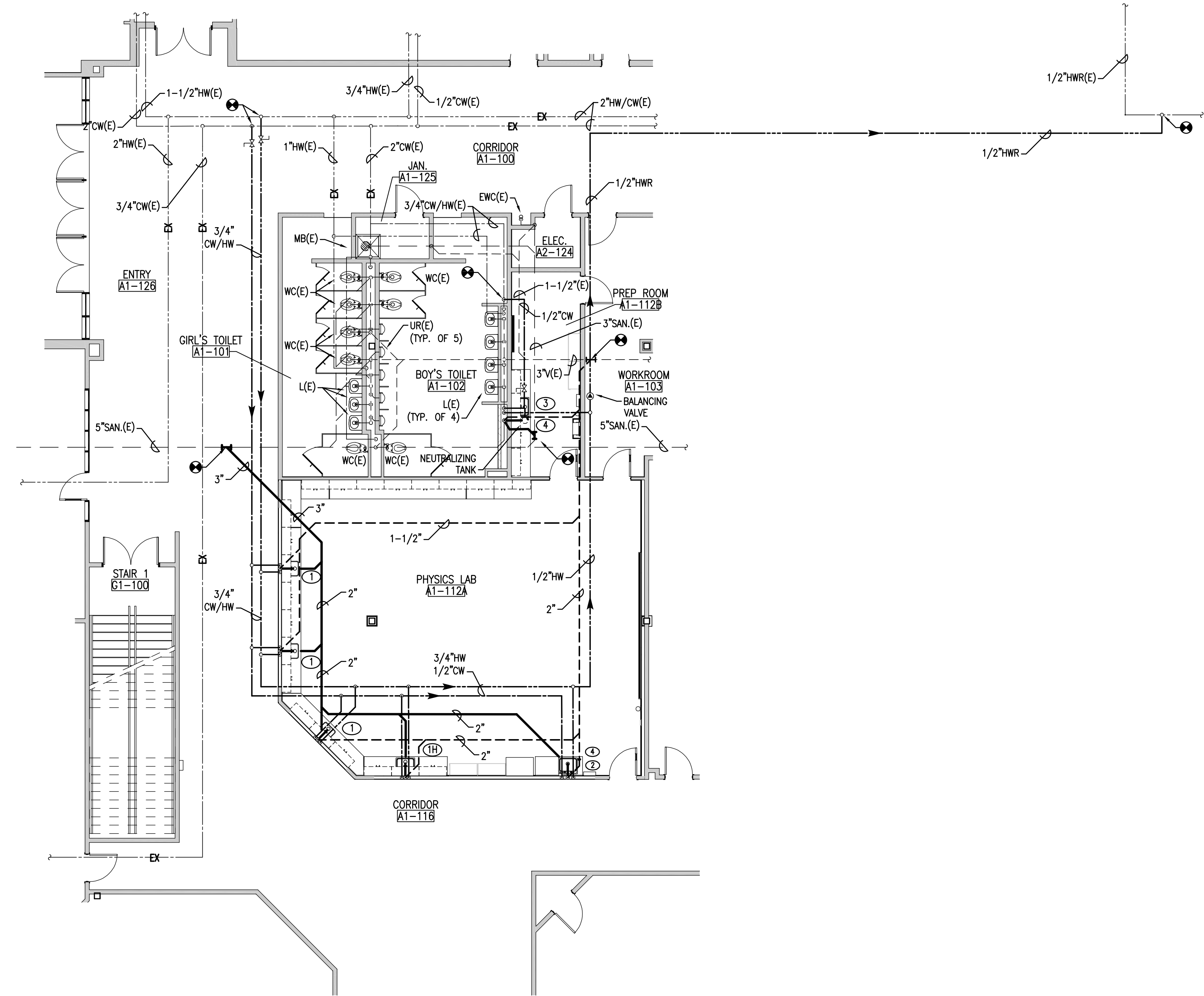
EMERGENCY EYE WASH TEMPERING VALVE SHALL BE PROVIDED AS AN ACCESSORY WITH THE EYE WASH. THE PLUMBING CONTRACTOR SHALL CONNECT WITH 1/2" BOTTOM INLETS AND 1/2" TOP OUTLET.



**WATER RISER DIAGRAM**  
NOT TO SCALE



**SANITARY AND VENT RISER DIAGRAM**  
NOT TO SCALE



**PLUMBING FIRST FLOOR PLAN - NEW WORK**  
SCALE : 1/8" = 1' - 0"

No.	Revisions	Date

Sheet Title:  
**PLUMBING FLOOR PLAN, RISERS AND NOTES**

Drawn By: \_\_\_\_\_  
Issue Date: 5/7/24  
Scale: As Noted  
B.J.A. Project No.: 24002.01  
Project No.: TBD  
Sheet No.: \_\_\_\_\_

# Chantilly High High School Physics Lab and Classroom additions

4201 Stringfellow Rd.  
Chantilly, Virginia 20151

Architect of Record  
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2402 N. Parham Rd., Richmond, VA 23229  
T: 804 270 0909 F: 804 346 3301

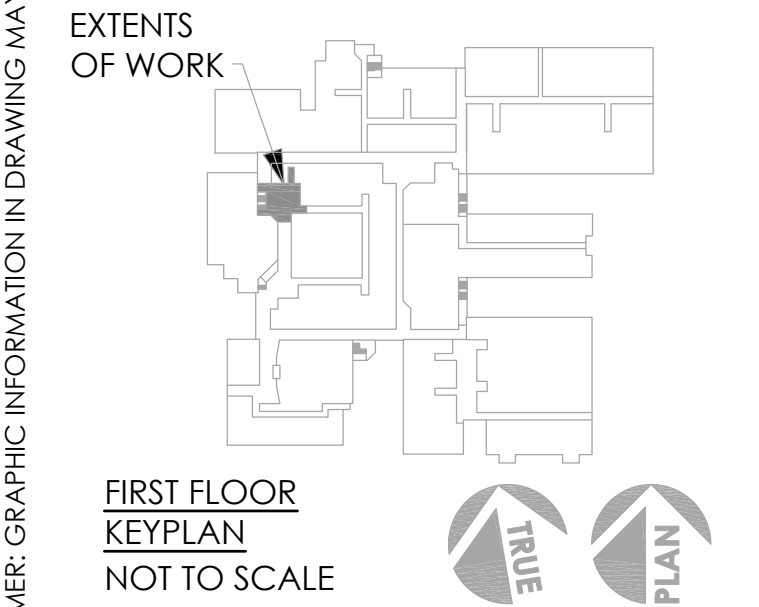
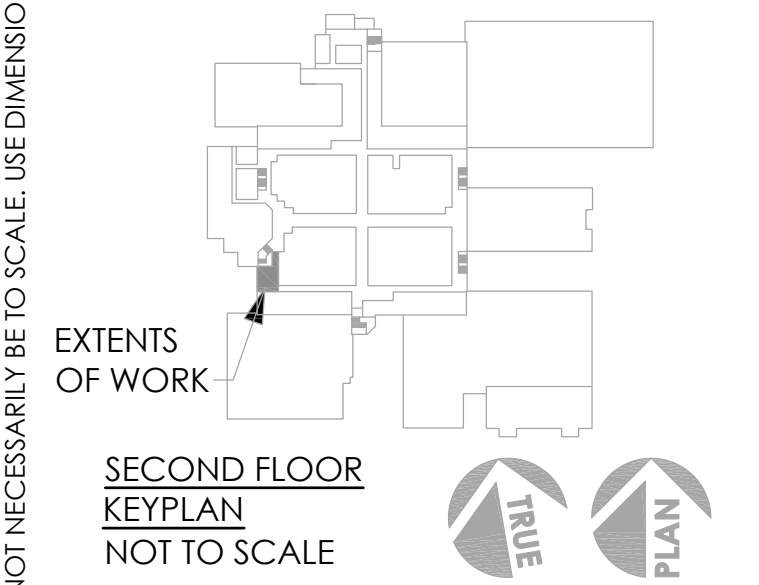
Structural Engineer

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Civil Engineer

Key Information

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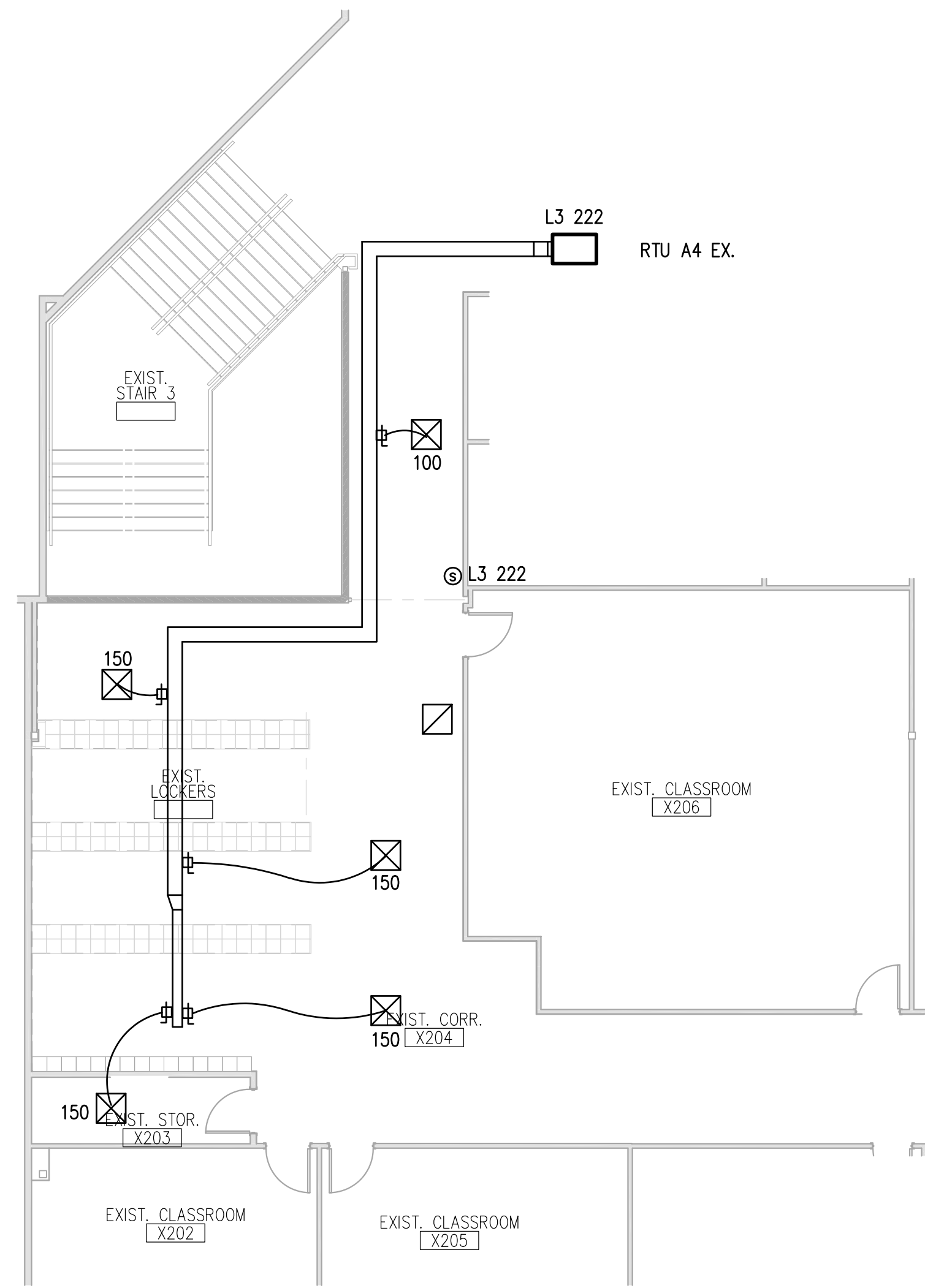


No.	Revisions	Date

**FIRE PROTECTION NOTE  
MECHANICAL PLAN**

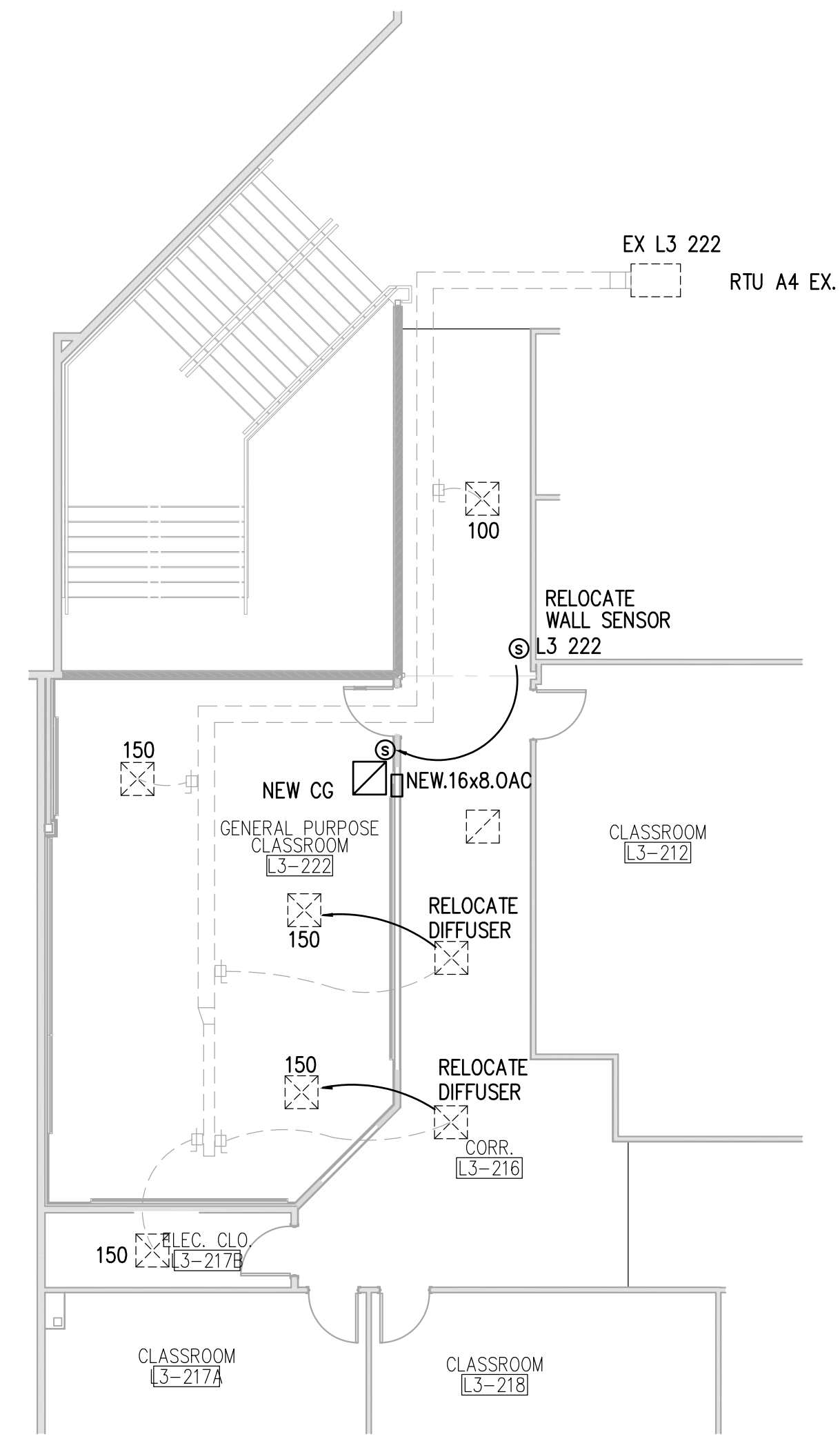
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Issue Date: 5/7/24  
Scale: As Noted  
B.J.U.A. Project No.: 24002.01  
Project No.: TBD  
Sheet No.: **FP M-1**

BID SET



SECOND FLOOR PLAN - EXISTING

SCALE: 1/8" = 1'-0"

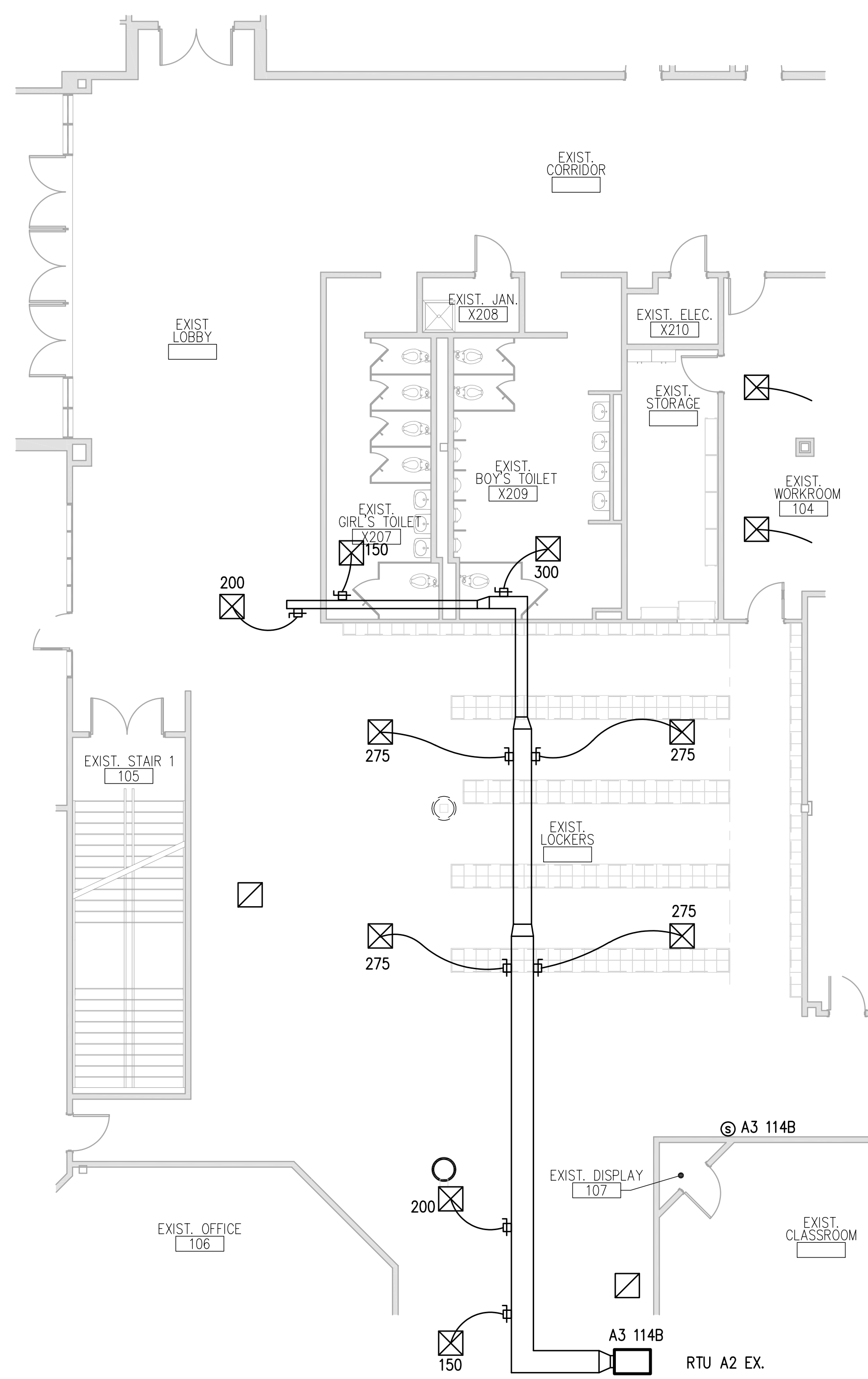


SECOND FLOOR PLAN - NEW WORK

SCALE: 1/8" = 1'-0"

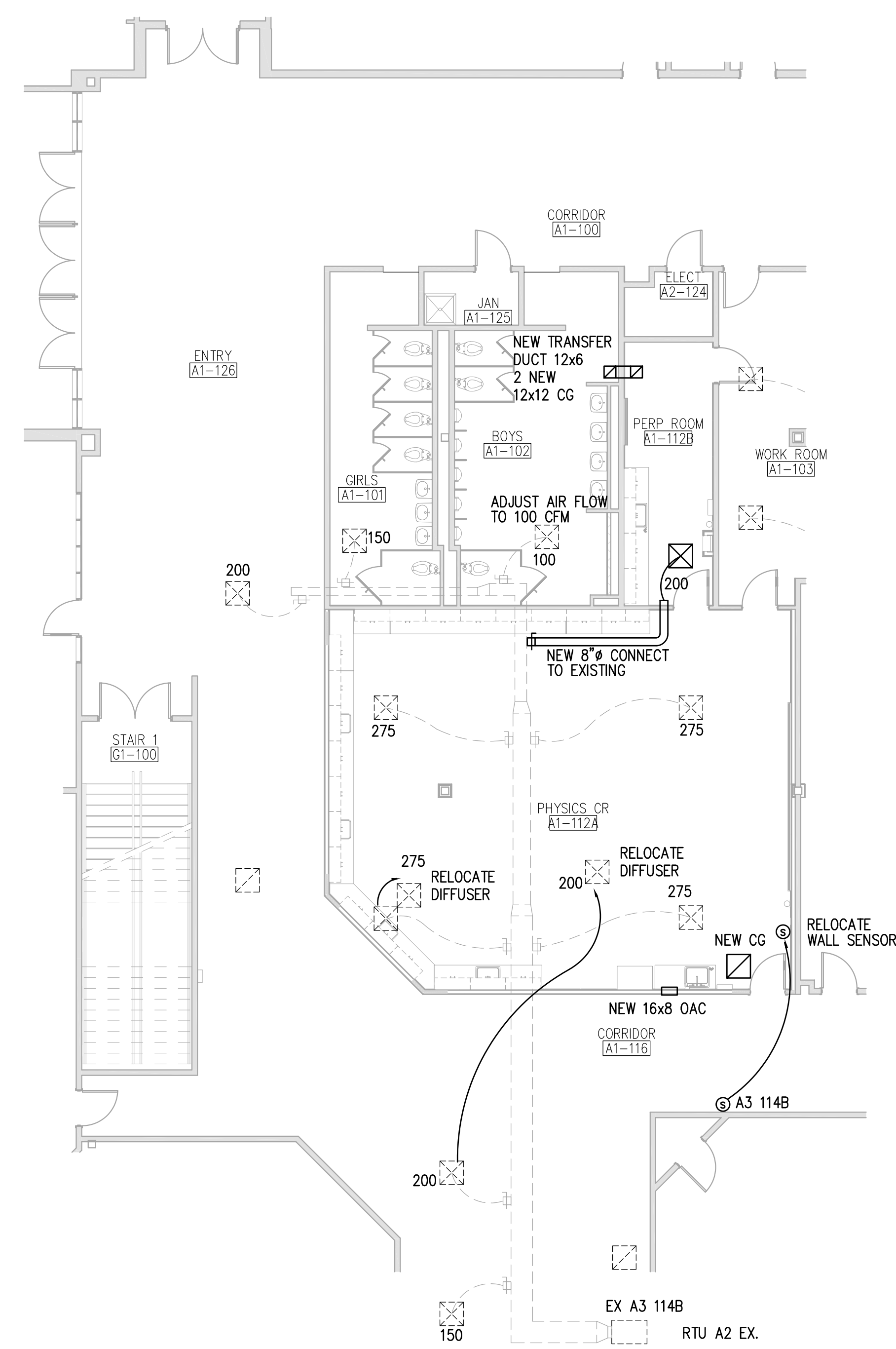
### SPRINKLER NOTE

THE EXISTING SPRINKLER SYSTEM SHALL BE ALTERED TO PROVIDE PROPER COVERAGE FOR ALL ARCHITECTURAL REVISIONS TO THE SPACE. CONNECT TO EXISTING PIPING TO PROVIDE ANY NEW REQUIRED SPRINKLERS, AND RE-PIPE EXISTING SPRINKLERS TO MAINTAIN PROPER COVERAGE PER NFPA 13. ANY SPRINKLER LOCATION THAT NEEDS TO BE MOVED SHALL BE REPLACED WITH A NEW SPRINKLER THAT MATCHES THE EXISTING SPRINKLER IN DESIGN AND PERFORMANCE. SPRINKLERS SHALL BE LOCATED NO CLOSER THAN 12" FROM THE CEILING GRID. COORDINATE SPRINKLER LOCATIONS WITH THE LIGHT FIXTURES AND HVAC EQUIPMENT.



FIRST FLOOR PLAN - EXISTING

SCALE: 1/8" = 1'-0"



FIRST FLOOR PLAN - NEW WORK

SCALE: 1/8" = 1'-0"

EXIST PANELBOARD AH2 300 AMP MAIN CIRCUIT BREAKER. Schedule notes: Demand factor per NEC 200.44, Demand factor per NEC 430.24, Copper Main Bus, GFCI Type Breaker, Demand factor per NEC 220.56.

EXIST PANELBOARD ALMDP 600 AMP MAIN BUS MAIN LUGS ONLY. Schedule notes: Demand factor per NEC 200.44, Demand factor per NEC 430.24, Copper Main Bus, GFCI Type Breaker, Demand factor per NEC 220.56.

EXIST PANELBOARD LH3 225 AMP MAIN BUS MAIN LUGS ONLY. Schedule notes: Demand factor per NEC 200.44, Demand factor per NEC 430.24, Copper Main Bus, GFCI Type Breaker, Demand factor per NEC 220.56.

EXIST PANELBOARD LL3 225 AMP MAIN BUS MAIN CIRCUIT BREAKER. Schedule notes: Demand factor per NEC 200.44, Demand factor per NEC 430.24, Copper Main Bus, GFCI Type Breaker, Demand factor per NEC 220.56.

EXIST PANELBOARD SSL3 125 AMP MAIN BUS MAIN LUGS ONLY. Schedule notes: Demand factor per NEC 200.44, Demand factor per NEC 430.24, Copper Main Bus, GFCI Type Breaker, Demand factor per NEC 220.56.

PANELBOARD SPL 60 AMP MAIN CIRCUIT BREAKER. Schedule notes: Demand factor per NEC 200.44, Demand factor per NEC 430.24, Copper Main Bus, GFCI Type Breaker, Demand factor per NEC 220.56.

EXIST PANELBOARD SSL3 125 AMP MAIN BUS MAIN LUGS ONLY. Schedule notes: Demand factor per NEC 200.44, Demand factor per NEC 430.24, Copper Main Bus, GFCI Type Breaker, Demand factor per NEC 220.56.

PANELBOARD SPL 60 AMP MAIN CIRCUIT BREAKER. Schedule notes: Demand factor per NEC 200.44, Demand factor per NEC 430.24, Copper Main Bus, GFCI Type Breaker, Demand factor per NEC 220.56.

ELECTRICAL SYMBOLS

Table of electrical symbols including luminaire, emergency circuit, exit light, ceiling outlet, track lighting, occupancy sensor, and fire alarm devices.

Table of electrical symbols including duplex receptacle, ground fault interrupter, surface mounted vertical power column, and digital light switch.

DRAWING INDEX

Table listing drawing sheets (E001-E002) and their corresponding electrical details.

ABBREVIATIONS

Table listing abbreviations for various electrical components and equipment.

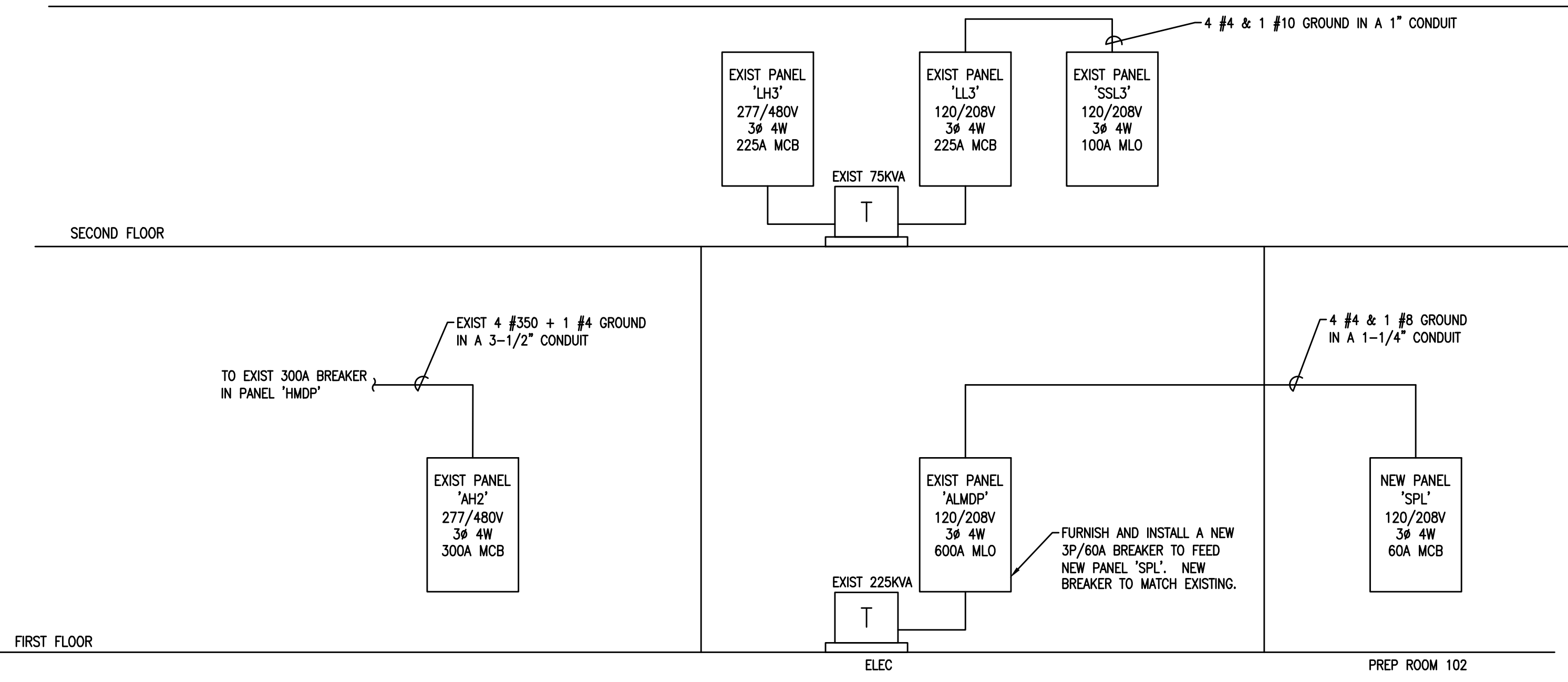
GENERAL NOTES

- IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEM... ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES APPLICABLE EDITIONS.

LUMINAIRE SCHEDULE

Table with columns: TYPE, MANUFACTURER, CATALOG NO., NO., LAMPS, TYPE, WATTS, VOLTS, MOUNTING, REMARKS. Lists various luminaire models and specifications.

EXISTING POWER RISER DIAGRAM SCALE: NO SCALE



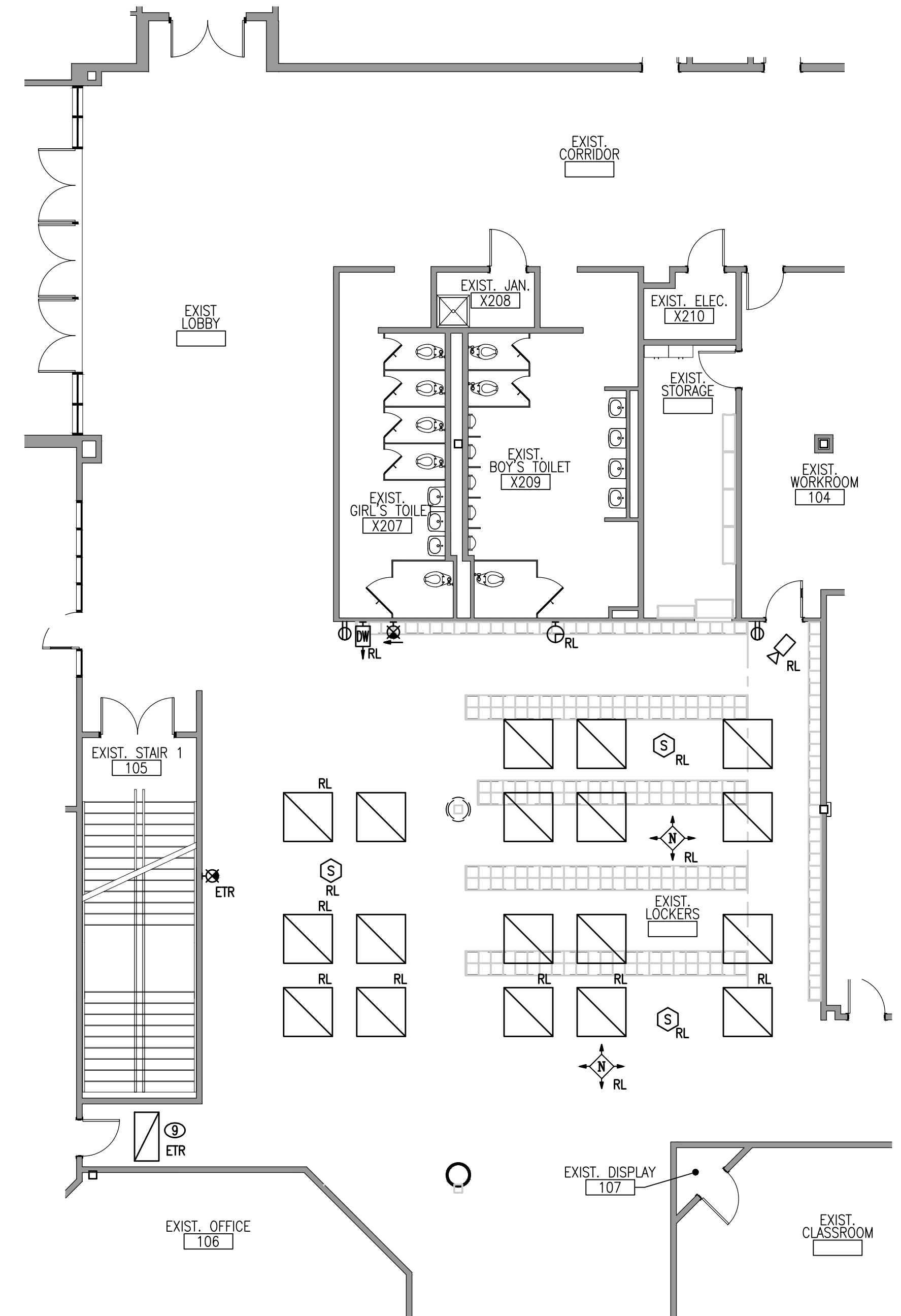
DISCLAIMER: GRAPHIC INFORMATION IN DRAWING MAY NOT NECESSARILY BE TO SCALE. USE DIMENSIONAL TEXT FOR ACCURACY. DO NOT SCALE.

ELECTRICAL NOTES, SYMBOLS AND SCHEDULES. Includes drawing title, scale, issue date, and project information.

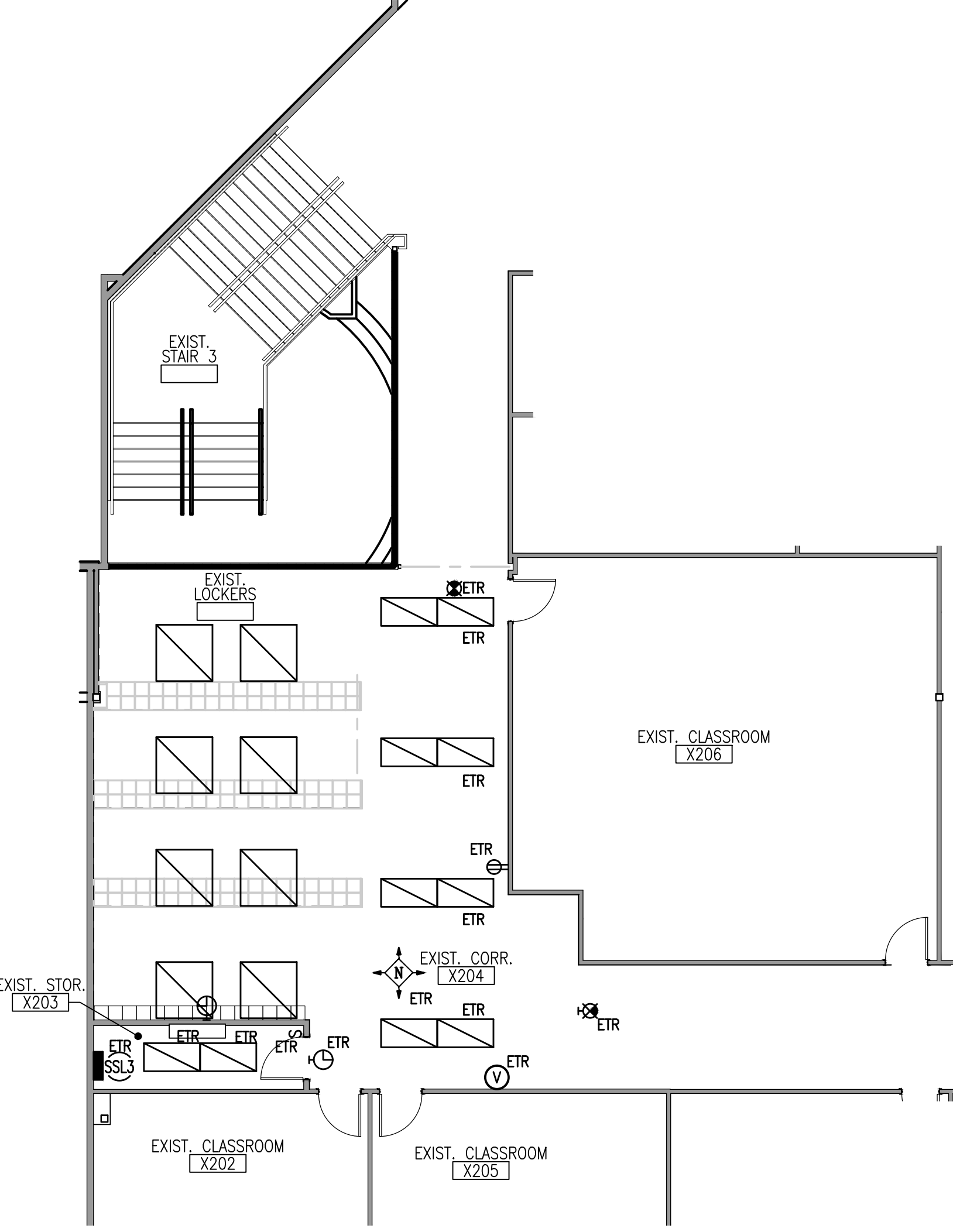
E001



- ### DEMOLITION NOTES
- 1 UNLESS OTHERWISE NOTED, ALL ELECTRICAL MATERIALS AND EQUIPMENT SHOWN OR NOT SHOWN ON THIS PLAN ARE EXISTING AND SHALL BE REMOVED.
  - 2 THIS CONTRACTOR SHALL REMOVE ALL SURFACE METAL RACEWAYS, CONDUITS, CABLE, WIRING, ETC., INCLUDING DEVICES EXPOSED AND ABOVE CEILING.
  - 3 THIS CONTRACTOR SHALL DISCONNECT ALL MECHANICAL EQUIPMENT: ROOF TOP UNITS, UNIT VENTILATORS, FLY FANS, UNIT HEATERS, WALL HEATERS, CEILING EXHAUST FANS, THRU-WALL UNITS, DUCT HEATERS, CABINET UNIT HEATERS, WINDOW UNITS, EXHAUST FANS, PUMPS, CHILLERS, AIR COMPRESSORS, WATER HEATERS, ELECTRIC WATER COOLERS, MECHANICAL CONTROLS, BOILERS, PUMPS ETC. FOR REMOVAL BY OTHERS. ALL ELECTRICAL MATERIAL AND EQUIPMENT SHALL BE REMOVED.
  - 4 ALL CORRIDOR LIGHTS, EXIT SIGNS, SPEAKERS AND ANY OTHER CEILING MOUNTED ELECTRICAL DEVICES SHALL BE TEMPORARILY SUPPORTED TO STRUCTURE AFTER CEILING IS REMOVED. SMOKE DETECTORS SHALL BE TEMPORARILY RELOCATED SO THEY ARE WITHIN 12" OF THE DECKING ABOVE. THEY SHALL BE REMOVED WHEN WORK IS COMPLETED.
  - 5 THIS CONTRACTOR SHALL REMOVE ALL EXISTING UNUSED CONDUITS IN EXPOSED AREAS AND ABOVE ACCESSIBLE CEILING SPACES. CAP ALL UNUSED EXISTING CONDUIT STUBS.
  - 6 THIS CONTRACTOR SHALL FIELD VERIFY, PRIOR TO BID, THE EXISTING CONDITIONS AT THIS LOCATION AND TEMPORARILY RELOCATE ANY EXISTING LIGHTING, POWER AND LOW VOLTAGE SYSTEM CONDUITS AND WIRING TO ACCOMMODATE THE INSTALLATION OF THE HVAC EQUIPMENT AND DUCTWORK. THIS CONTRACTOR SHALL COORDINATE ALL WORK WITH THE DIVISION 15 CONTRACTOR. REMOVE WHEN NO LONGER IN-USE.
  - 7 THIS CONTRACTOR SHALL DISCONNECT, REMOVE, CLEAN AND RELAMP FIXTURE TO BE REINSTALLED AFTER NEW CEILING HAS BEEN INSTALLED.



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




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

## Chantilly High High School Physics Lab and Classroom additions

4201 Stringfellow Rd.  
Chantilly, Virginia 20151

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 Architects  
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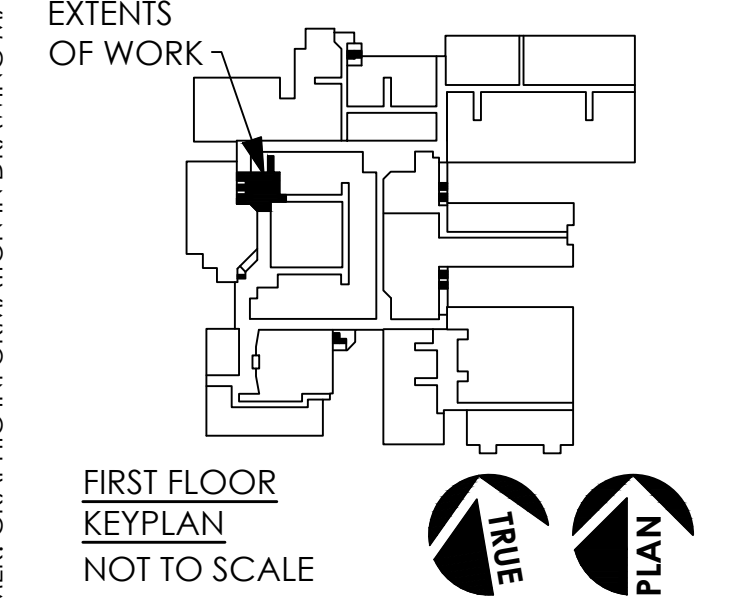
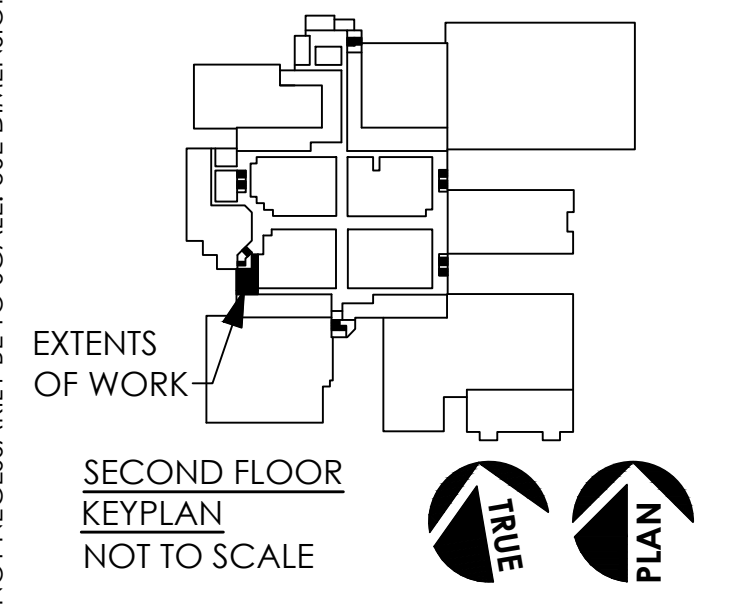
Structural Engineer

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Revisions	Date

### Sheet Title:

## FIRST AND SECOND FLOOR PLANS - DEMOLITION

Drawn By:	5/7/24
Issue Date:	As Noted
Scale:	24002.01
BJJA Project No.:	TBD
Project No.:	
Sheet No.:	<b>E101</b>



Chantilly High School  
Physics Lab and  
Classroom additions

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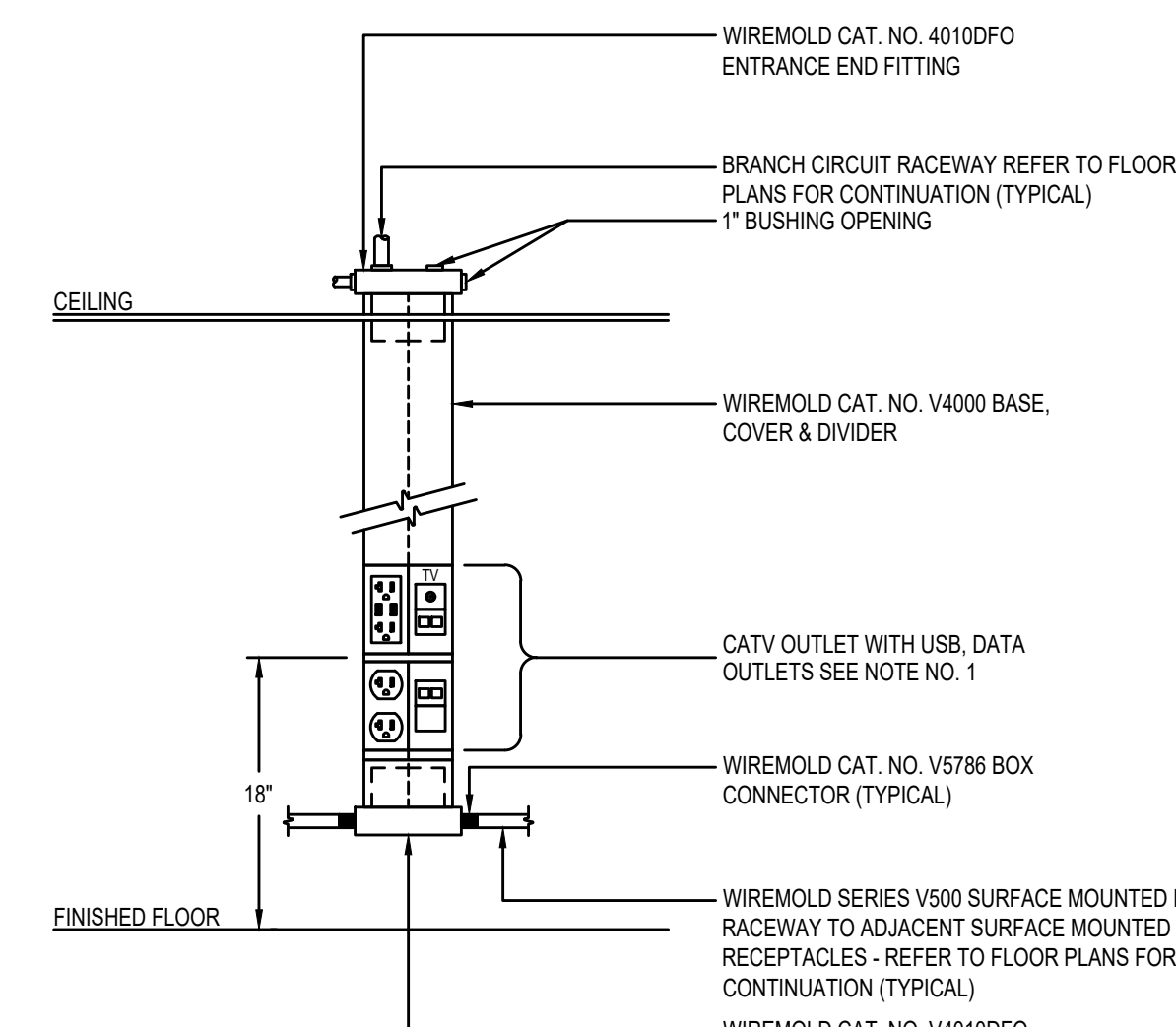
No. Revisions Date

Sheet Title:  
**ELECTRICAL DETAILS**

Drawn By:  
Issue Date: 5/7/24  
Scale: As Noted  
BJUA Project No.: 24002.01  
Project No.: TBD  
Sheet No.:

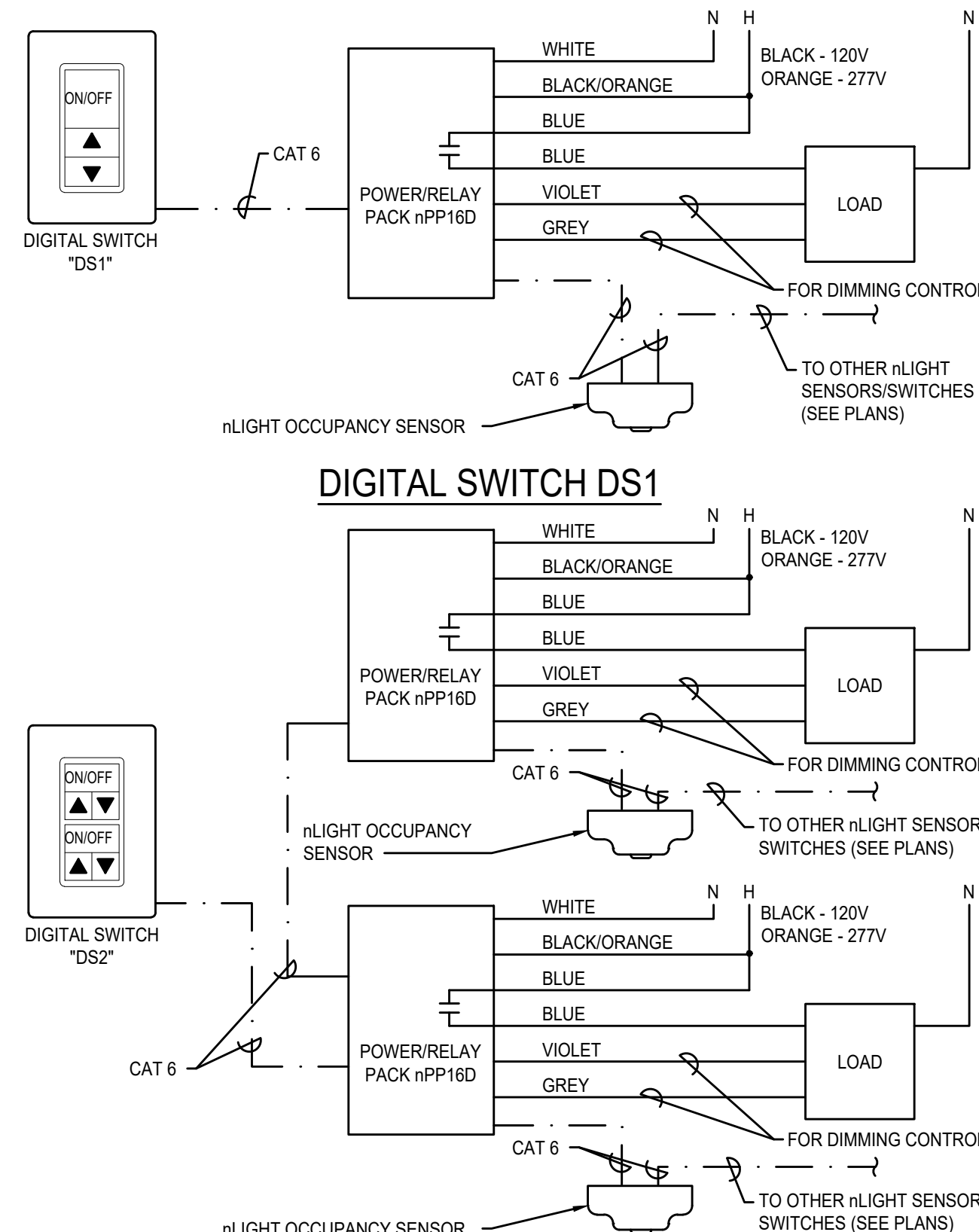
**E301**

BID SET



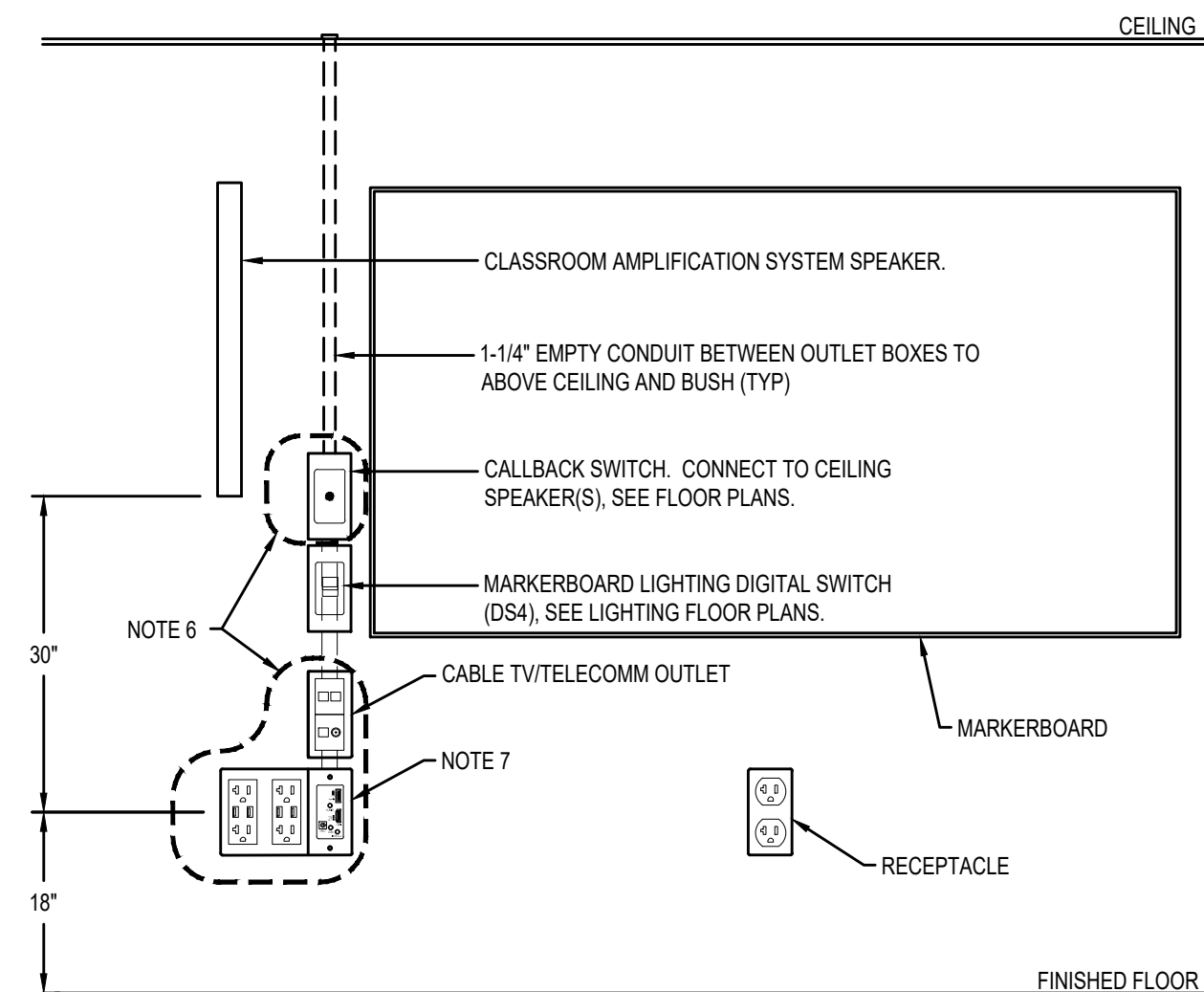
- NOTE NO. 1  
CATV OUTLET, DATA OUTLETS CONSISTING OF WIREMOLD/DRORCONES CO. MODEL NO. S:  
\*TWO (2) V4050 DEVICE MOUNTING PLATES.  
\*THREE (3) OR-1800-40 (CAT. 5) TS68A/B TRACKJACK INSERTS WITH OR-4030200 FOR DATA.  
\*ONE (1) OR-1800 (CAT. 6) TS68A/B TRACKJACK INSERTS WITH OR-4030010 FOR VOICE.  
\*THREE (2) OR-421000X2 BLANK TRACKJACK INSERTS.  
\*ONE (1) 155070 DUPLEX FACEPLATE MODULES.  
\*ONE (1) NEMA 5-20R DUPLEX RECEPTACLE.  
\*ONE (1) OR-4370000 SINGLE "F" CONNECTOR TRACKJACK INSERT.  
\*ONE (1) 15507R RECTANGULAR RECEPTACLE FACEPLATE.  
\*ONE (1) NEMA 5-20R DUPLEX RECEPTACLE WITH 2-USB CHARGING PORTS.  
\*TWO (2) WIREMOLD 5507-TJ DATACOM INSERT.

POWER COLUMN NO. 7  
NO SCALE



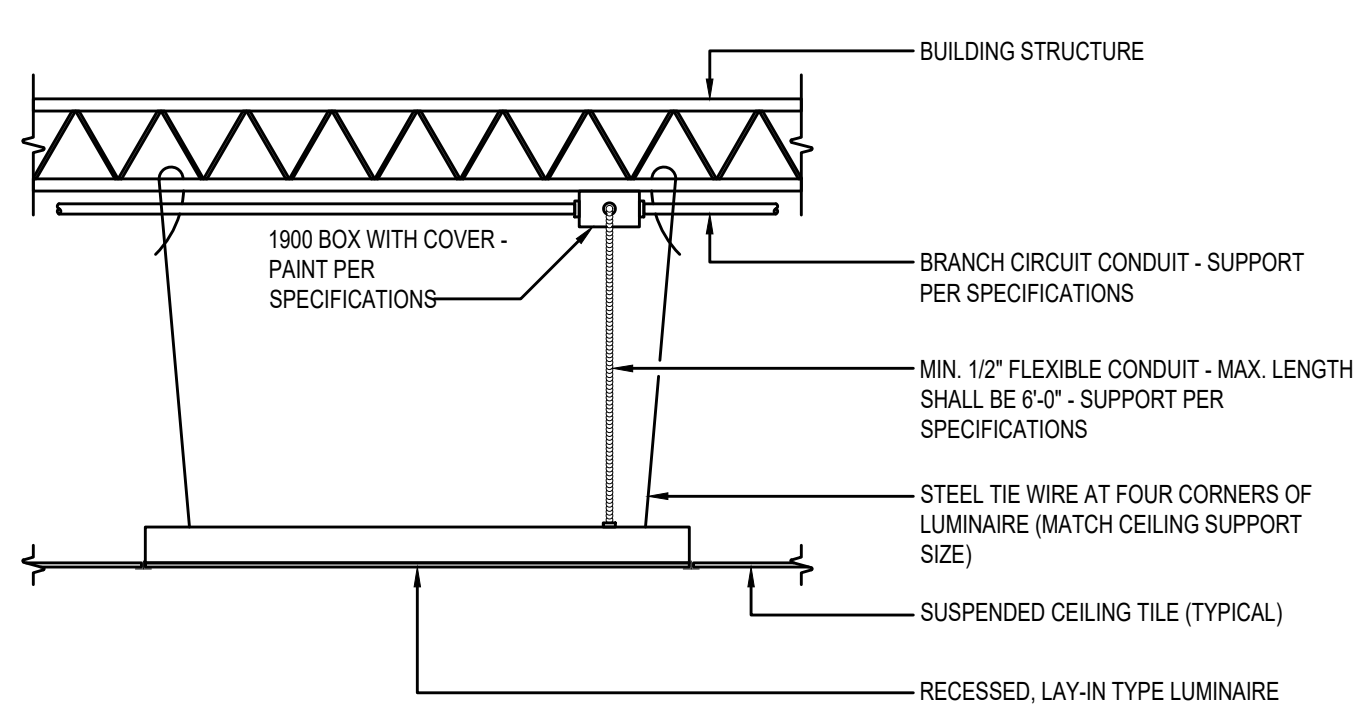
- NOTES:  
1. POWER/RELAY PACK SHALL BE MOUNTED ABOVE CEILING TO A DEDICATED JUNCTION BOX SECURED TO THE BUILDING STRUCTURE, CLOSE TO AND WITHIN THE ENTRANCE TO THE ROOM BEING SERVED.  
2. OCCUPANCY SENSOR SHALL BE SECURED TO A DEDICATED CEILING MOUNTED JUNCTION BOX.  
3. TYPICAL CLASSROOM SHOWN - SIMILAR FOR OTHER SPACES.

TYPICAL OCCUPANCY SENSOR TO  
LUMINAIRE(S) WIRING DETAIL  
NO SCALE



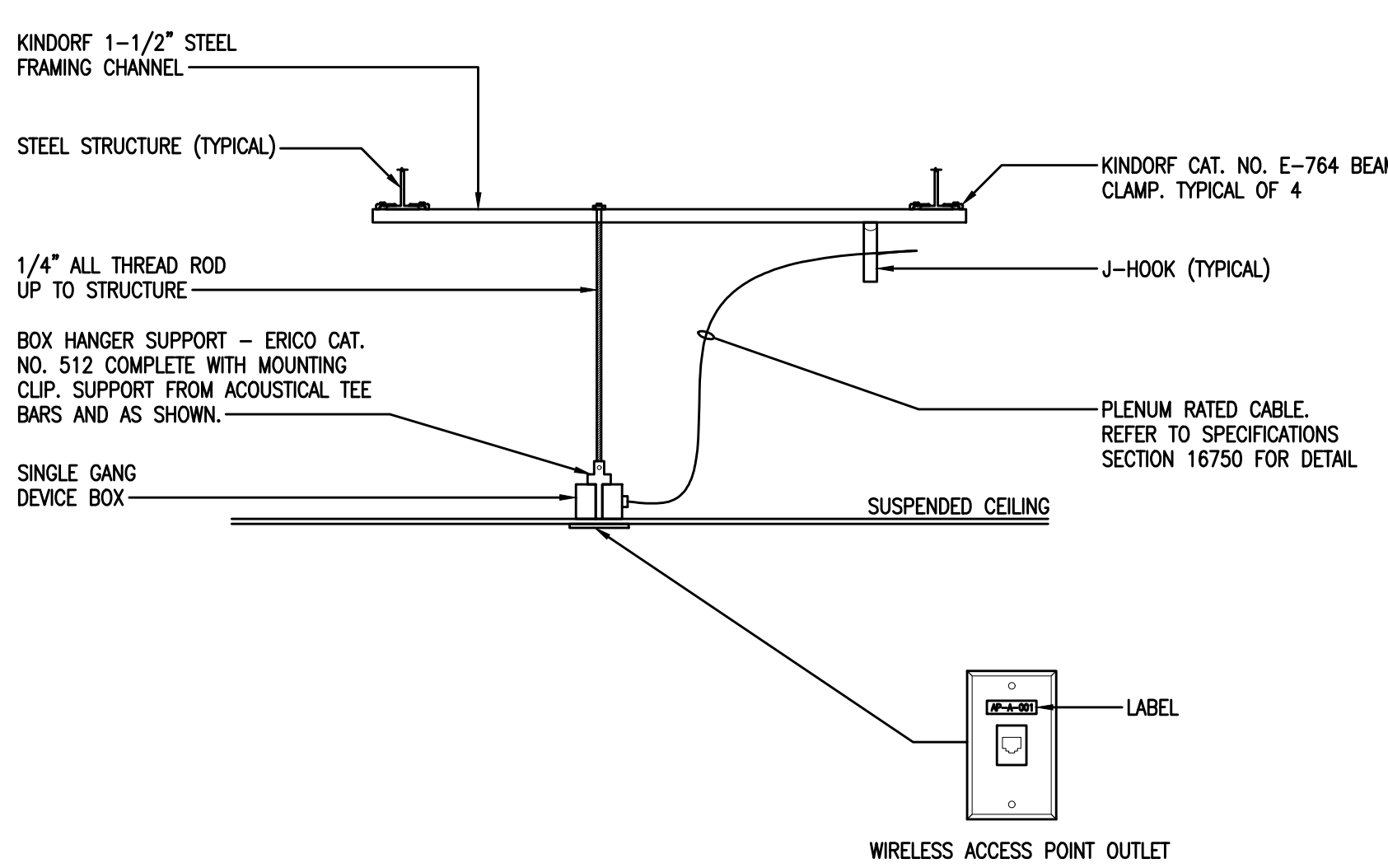
- NOTES:  
1. THIS CONTRACTOR SHALL COORDINATE INSTALLATION WITH MARKERBOARD INSTALLATION.  
2. ALL RECEPTACLES AND MULTI-MEDIA OUTLETS SHOWN SHALL BE CONNECTED TO THE SAME CIRCUIT. REFER TO POWER FLOOR PLANS.  
3. REFER TO COMMUNICATIONS FLOOR PLANS FOR DATA/CATV OUTLET ADDRESSES.  
4. PROVIDE STAINLESS STEEL COVERS.  
5. INSTALLATIONS AT ELEMENTARY SCHOOLS SHALL USE TAMPER RESISTANT TYPE DUPLEX RECEPTACLES.  
6. BOUNDARY INDICATES DEVICES INCLUDED WITH THE "TC" SYMBOL. ALL OTHER DEVICES ARE SHOWN FOR LOCATION ONLY.  
7. HUBBELL RECEPTACLE/POWER SUPPLY, MULTI-MEDIA TRANSMITTER OUTLET, CONNECT TO RECEIVER OUTLET ABOVE MARKERBOARD. PROVIDE HUBBELL HBL986 THREE GANG BOX WITH HBL989AVD DIVIDER

TEACHING WALL DEVICE LAYOUT WITH CEILING  
MOUNTED PROJECTOR  
NO SCALE



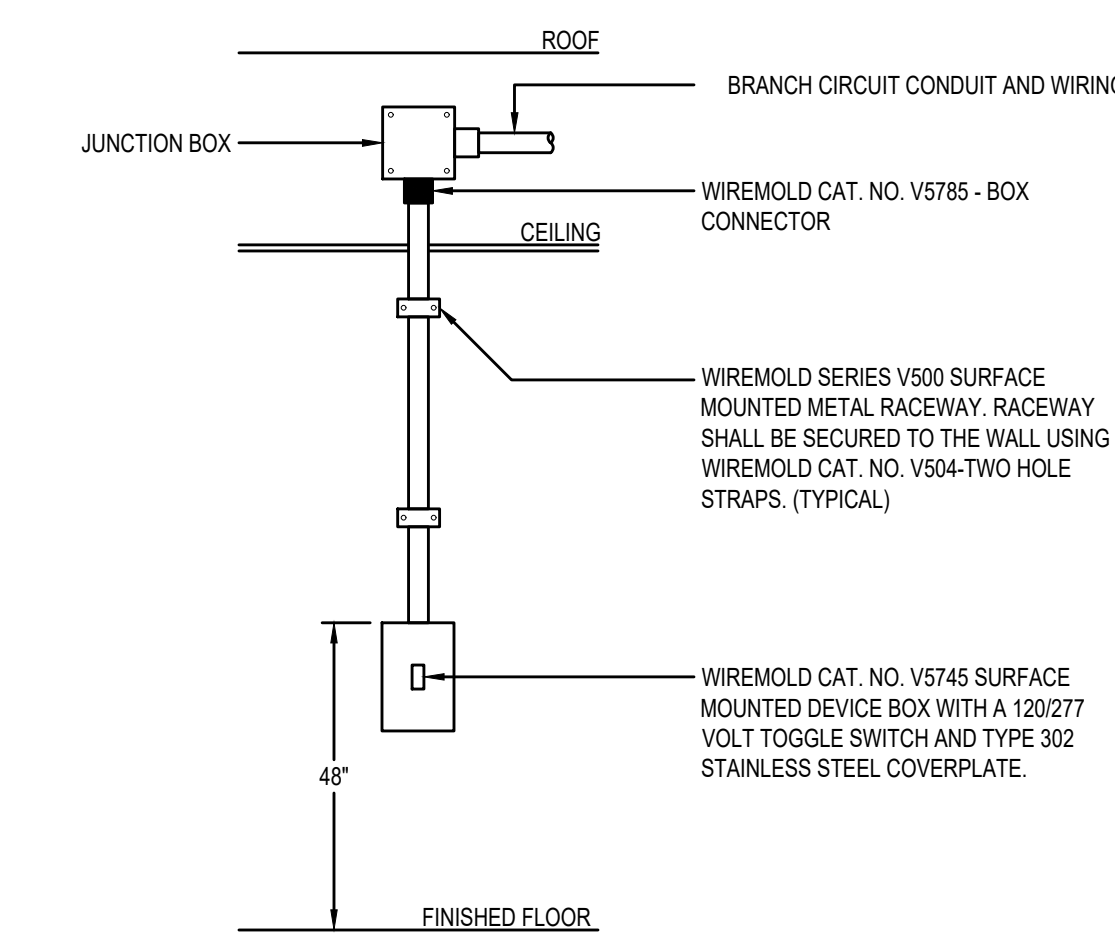
LT-001  
UPDATED: 11-17  
BOND: 11-21

RECESSED, LAY-IN TYPE LUMINAIRE MOUNTING DETAIL  
NO SCALE



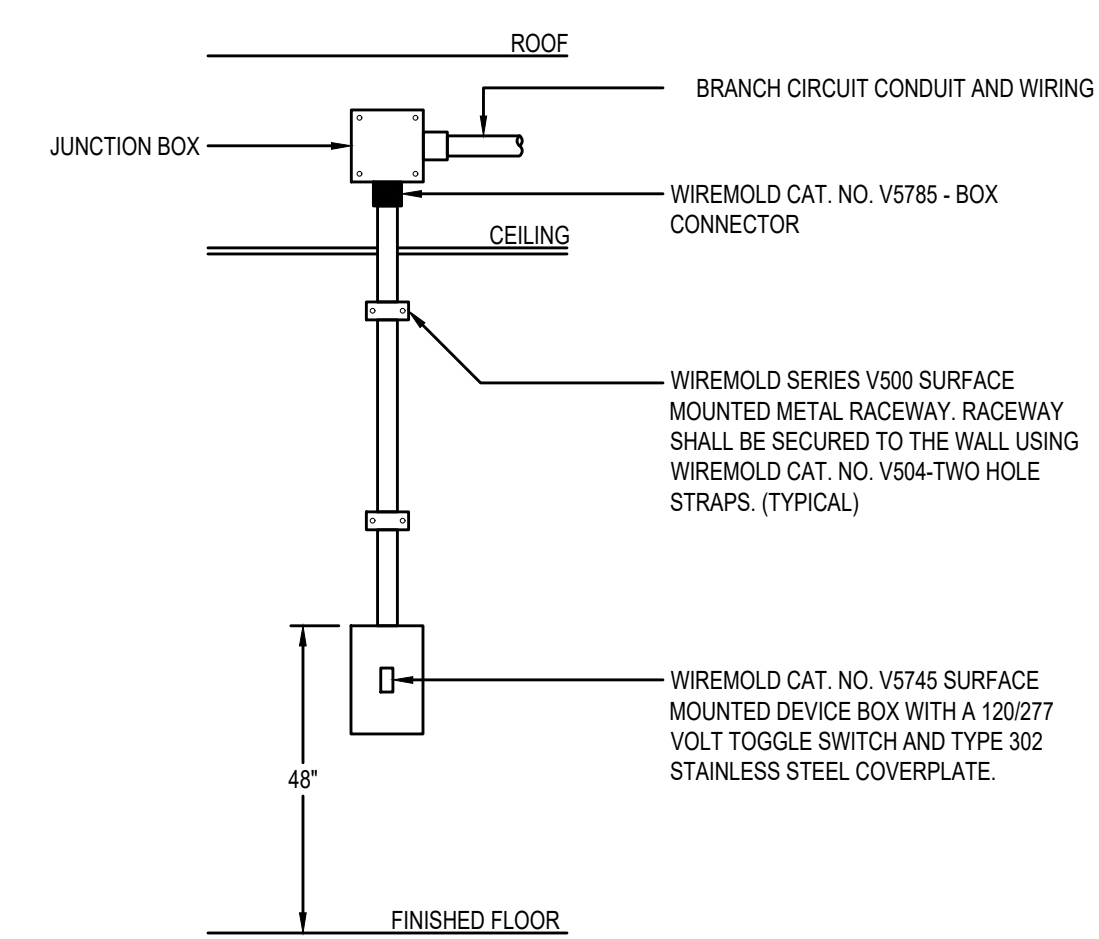
- NOTES:  
1. REFER TO SPECIFICATIONS SECTION 16750 TELECOMMUNICATIONS SYSTEMS WIRELESS ACCESS POINT FOR MORE DETAILS.  
2. DEVICE SHALL BE INSTALLED IN THE CENTER OF THE ROOM.

CEILING MOUNTED WIRELESS AP DETAIL  
NO SCALE



LT-006  
UPDATED: 05-19  
BOND: 11-21

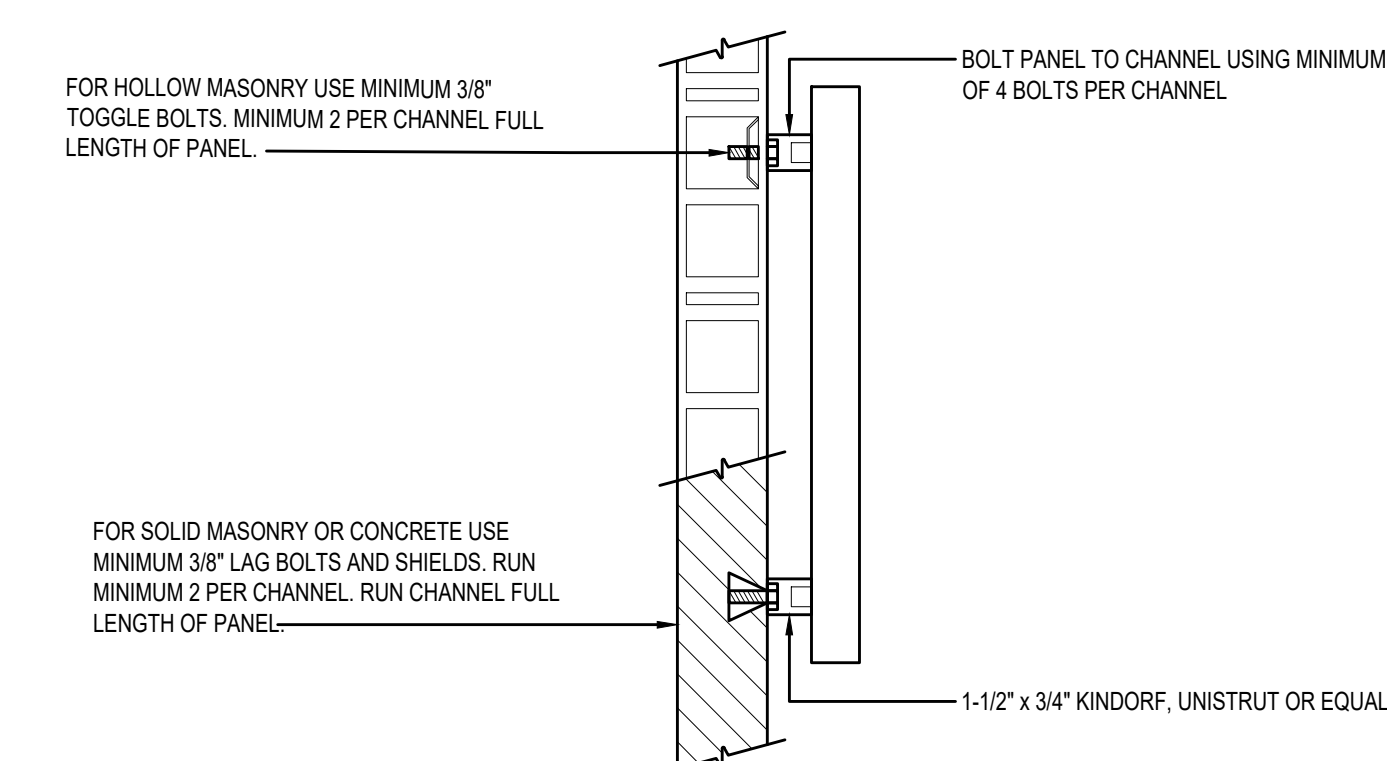
SURFACE MOUNTED TOGGLE/DIGITAL SWITCH DETAIL  
NO SCALE



NOTE: SIMILAR FOR OTHER TYPES OF SWITCHES.

LT-006  
UPDATED: 05-19  
BOND: 11-21

SURFACE MOUNTED TOGGLE/DIGITAL SWITCH DETAIL  
NO SCALE



- NOTES:  
1. ALL SAFETY SWITCHES, 200A AND LARGER AND ALL SURFACE MOUNTED PANELS SHALL BE MOUNTED PER THIS DETAIL.  
2. EQUIPMENT INSTALLATIONS ON SHEET ROCK PARTITIONS - PROVIDE 3/4" THICK FIRE RATED PLYWOOD ATTACHED SECURELY TO STUDS. ATTACH CHANNEL TO PLYWOOD WITH MINIMUM #12 SCREWS AND WASHERS.

MP-001  
UPDATED: 11-21  
BOND: 11-21

SURFACE EQUIPMENT MOUNTING DETAIL  
NO SCALE

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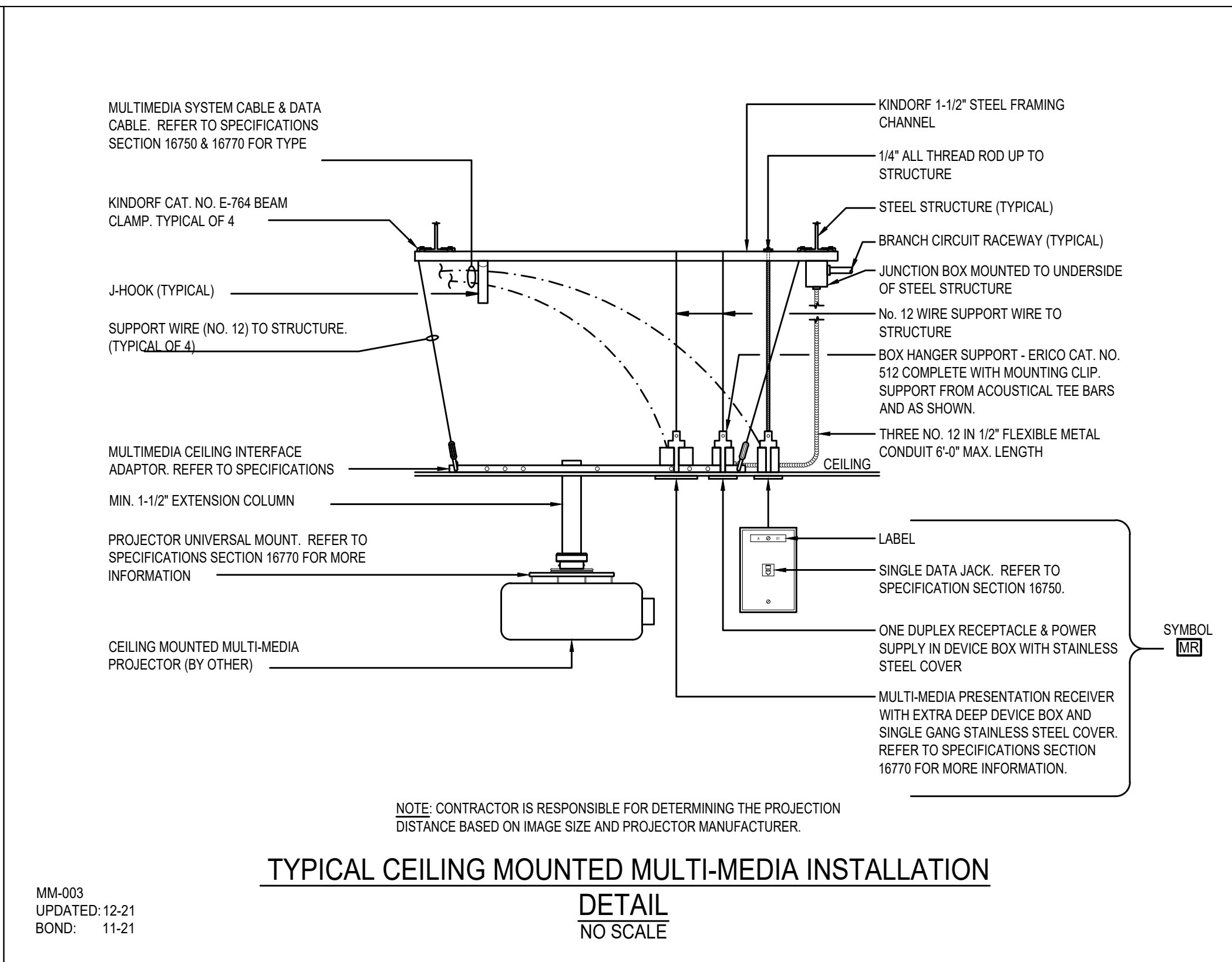
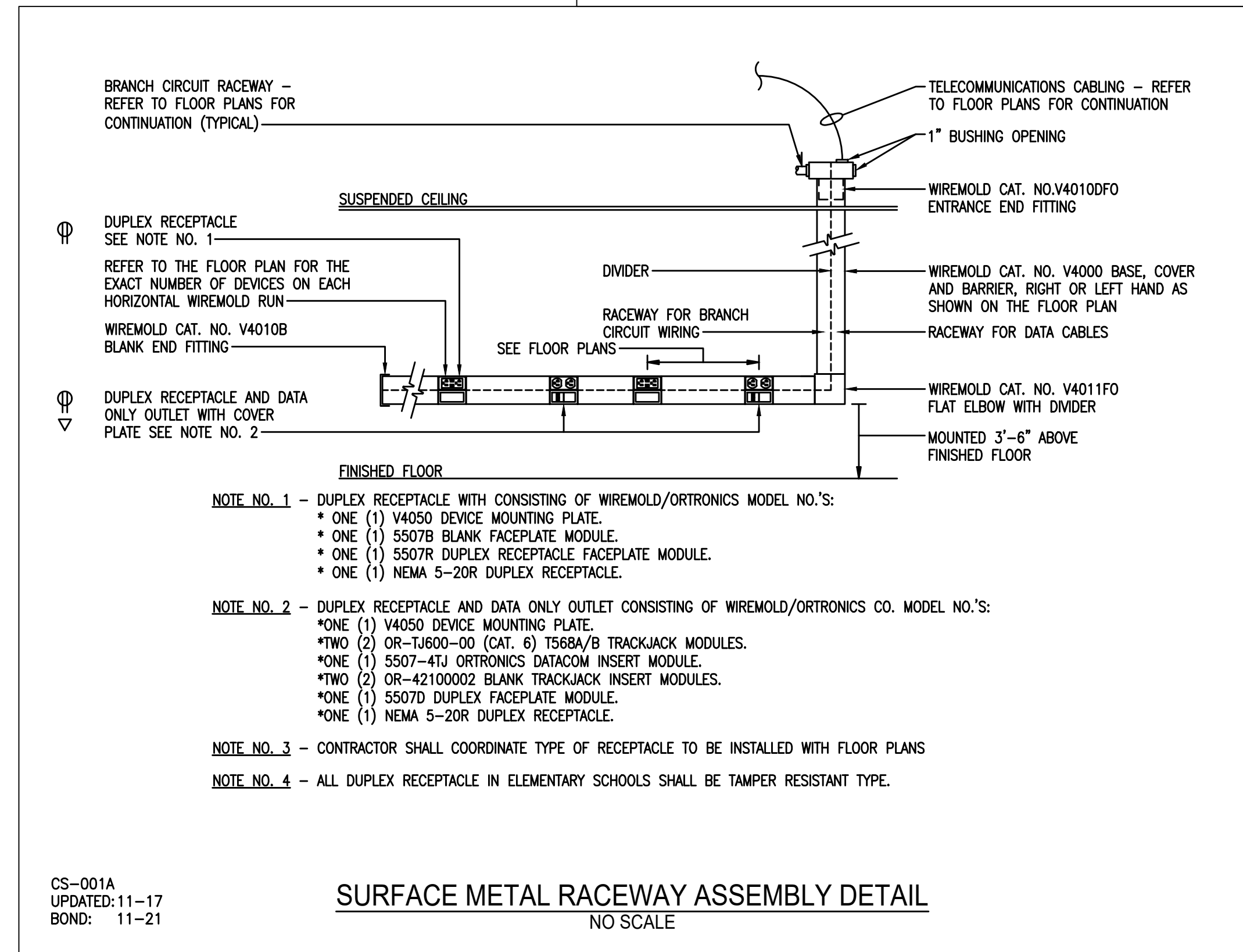
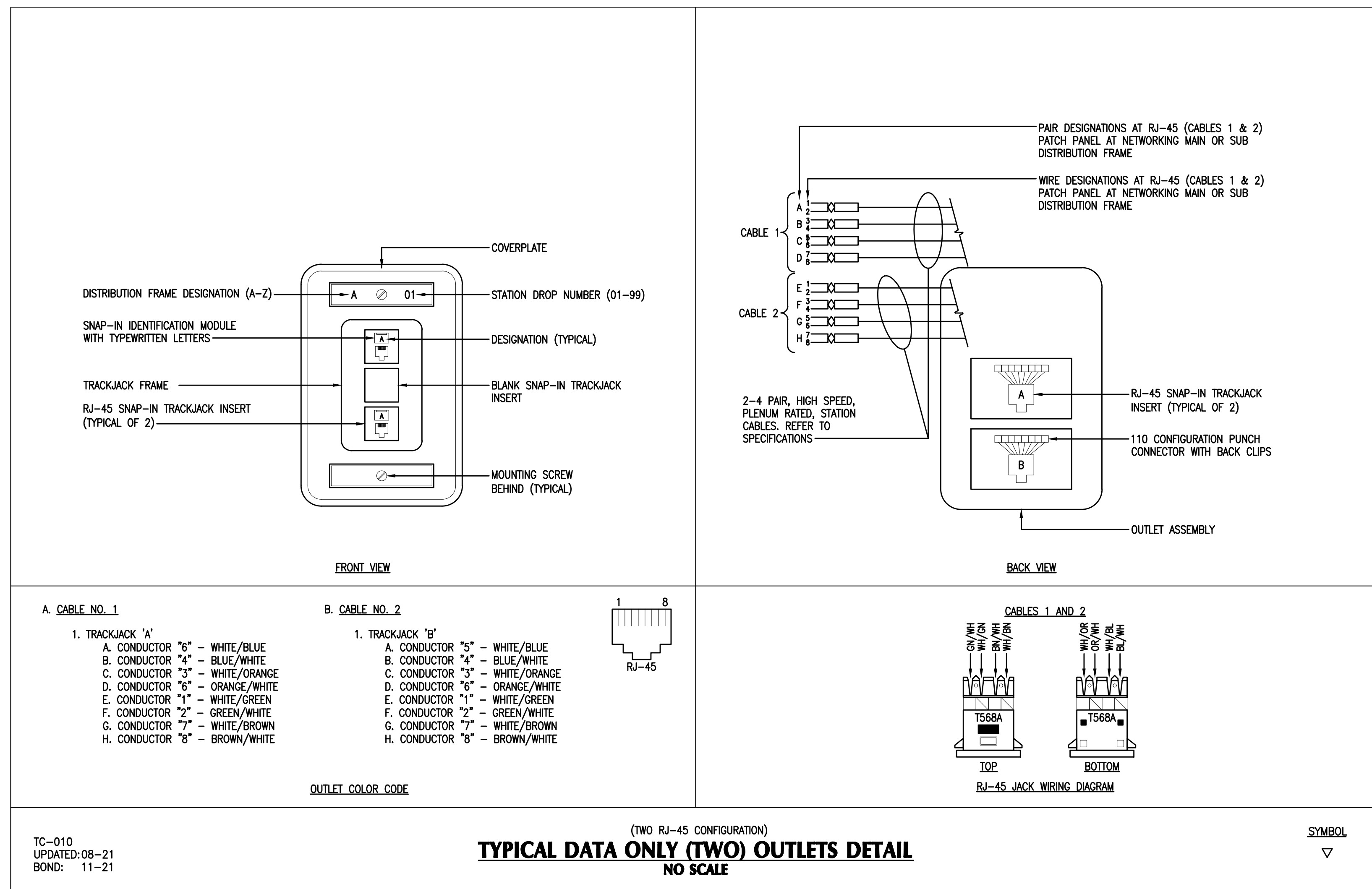


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Issue Date:	5/7/24	
Scale:	As Noted	
BJJA Project No.:	24002.01	
Project No.:	TBD	
Sheet No.:	<b>E302</b>	
BID SET		