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



SHEET INDEX						
CS	COVER SHEET, SHEET INDEX & MAPS	S	STRUCTURAL			
G101	GEN. NOTES, ABBREVIATIONS & ACCESSIBILITY STANDARDS	\$101	STRUCTURAL NOTES, PARTIAL PLANS AND SECTIONS			
LS	LIFE SAFETY	Р	PLUMBING			
LS101	LIFE SAFETY PLAN	P-1	PLUMBING FLOOR PLAN, RISERS AND NOTES			
A-6	FIRST FLOOR PLAN FIRE SEPARATION (REFERENCE ONLY)	FP M	FIRE PROTECTION - MECHANICAL			
A-7	SECOND FLOOR PLAN FIRE SEPARATION (REFERENCE ONLY)	FP M-1	FIRE PROTECTION NOTE - MECHANICAL PLAN			
AD	ARCHITECTURAL DEMOLITION	Е	ELECTRICAL			
AD101	PARTIAL DEMO FLOOR PLANS AND ELEVATIONS	E001	ELECTRICAL SYMBOLS, NOTES AND SCHEDULES			
		E101	FIRST AND SECOND FLOOR PLANS - DEMOLITION			
Α	ARCHITECTURAL	E201	FIRST AND SECOND FLOOR PLANS - ELECTRICAL			
A101	PARTIAL FLOOR PLANS	E301	ELECTRICAL DETAILS			
A201	ENLARGED PLANS	E302	ELECTRICAL DETAILS			
A301	FLOOR PATTERN PLAN					
A401	INTERIOR ELEVATIONS					
A402	CASEWORK ELEVATIONS AND SECTIONS					
A501	PARTIAL CEILING PLANS					

PROJECT CONTACT INFORMATION

FAIRFAX COUNTY PUBLIC SCHOOLS CONTACT: Keith Kessler EMAIL: kakessler@fcps.edu



BALLOU JUSTICE UPTON ARCHITECTS 2402 N. Parham Rd. PRINCIPAL: Billy E. Upton, AIA EMAIL: dley@bjuarchitects.com



8609 Westwood Center Dr., Suite 800 Tysons, VA 22182 T: 703-827-9552

BUILDING AREA

PRINCIPAL: Tom Bouffard, PE PROJECT MANAGER: 9900 Main Street, Suite 300

Fairfax, VA 22031-3907 T: 703-273-5441

PROJECT MANAGER: Bobby Callahan EMAIL: bcallahan@stricklerassociates.com

FAIRFAX COUNTY PUBLIC SCHOOLS

Chantilly High School Physics Lab and Classroom Additions 4201 Stringfellow Rd. Chantilly, Virginia 20151

Structural Engineer

Tysons, VA 22182 T: 703-827-9552 F: 703-356-2031

EXISTING FLOOR AREA

271,825 SF FIRST FLOOR 108,350 SF SECOND FLOOR

380,175 SF

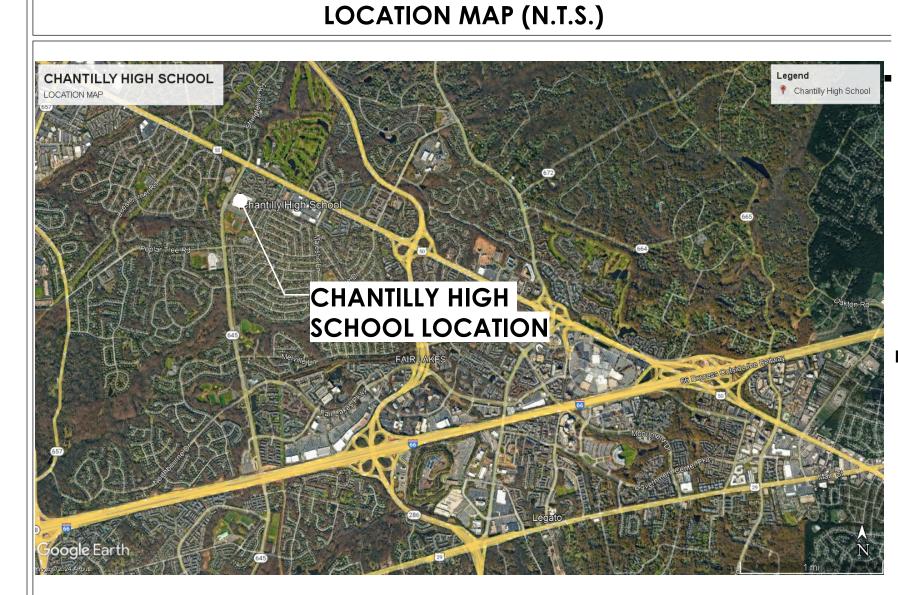
RENOVATION FLOOR AREA

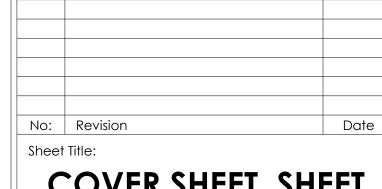
FIRST FLOOR 2,676 SF SECOND FLOOR <u>1,287 SF</u> 3,963 SF **TOTAL**

Key Information

VICINITY MAP (N.T.S.)







COVER SHEET, SHEET INDEX & MAPS

BJUA Project No.:

GENERAL PROJECT NOTES

- GP1. REPRESENT RENOVATIONS TO AN EXISTING STRUCTURE: EXISTING (2) STORY 380,175 SQ. FT. TYPE II-A AND II-B CONSTRUCTION MASONRY BEARING WALLS; STEEL JOISTS, METAL DECK, AND ROOF MEMBRANE. THE CONSTRUCTION DOCUMENTS INCLUDE AS A COMPLETE PORTION OF THE CONSTRUCTION CONTRACT; THE CONSTRUCTION DRAWINGS, DETAILED SPECIFICATIONS, ALL REFERENCED, LAWS, CODES, REGULATIONS, REFERENCED STANDARDS, ADDITIONAL INFORMATION FURNISHED TO THE CONTRACTOR, APPROVED SHOP DRAWINGS, ALL SUPPLEMENTAL INSTRUCTIONS OF THE ARCHITECT AND ENGINEER, AND APPROVED CHANGES
- GP2. COMPLETE CONTRACT DOCUMENTS MAY, BUT NOT NECESSARILY, INCLUDE GENERAL CONDITIONS (CO-7), SUPPLEMENTAL CONDITIONS, CONSTRUCTION DRAWINGS, THE PROJECT MANUAL INCLUDING DETAILED SPECIFICATIONS AND ALL DOCUMENTS APPROVED, STAMPED, AND SIGNED BY THE AUTHORITIES HAVING JURISDICTION. WORK OF THE CONTRACT SHALL BE PERFORMED DIRECTLY FROM THE COMPLETE CONTRACT DOCUMENTS.
- GP3. CHANGES EXECUTED IN OPPOSITION TO THE DESIGN OF THE PROJECT AS DELINEATED IN THE APPROVED CONSTRUCTION DOCUMENTS MADE BY THE OWNER, THE CONTRACTOR, SUBCONTRACTORS, MATERIALMEN, SUPPLIERS, ETAL. WITHOUT REVIEW AND APPROVAL OF THE ARCHITECT (AS THE RESPONSIBLE PERSON IN CHARGE IN ADVANCE OF THE ACTION SHALL NEGATE ALL LIABILITY OF THE ARCHITECT (AS THE RESPONSIBLE PERSON IN CHARGE) FOR THE PROJECT. COSTS OF REVIEWS AND MODIFICATIONS FOR CHANGES REQUIRED BY OTHERS SHALL BE BORNE BY THE PARTY REQUIRING THE CHANGE AND PAYABLE TO THE ARCHITECT.
- PORTIONS OF THE WORK REQUIRED FOR COMPLETION OF THE PROJECT WILL OR MAY REQUIRE DEFERRED SUBMITTALS. THESE DEFERRED SUBMITTALS WILL BE REVIEWED BY THE ARCHITECT OF RECORD (RESPONSIBLE PERSON IN CHARGE).
- GP5. PORTIONS OF THE WORK REQUIRED FOR COMPLETION OF THE PROJECT WILL REQUIRE SPECIAL INSPECTIONS. REQUIRED INSPECTIONS WILL BE PERFORMED BY DESIGNATED PROFESSIONALS AND/OR AGENCIES AS DESIGNATED ON THE SPECIAL INSPECTION FORM
- INCLUDED AS PART OF THE SUBMITTAL. GP6. THE CONSTRUCTION DOCUMENTS ARE SCHEMATIC IN NATURE, ADDRESSED TO THE GENERAL CONTRACTOR, AND ARE INTENDED TO REPRESENT THE SCOPE AND RELATIONSHIPS OF COMPLETE AND FUNCTIONAL BUILDING FACILITIES AS PART OF CONTRACTUAL AGREEMENTS BETWEEN THE GENERAL CONTRACTOR AND THE OWNER.
- GP7. ALL CONSTRUCTION DOCUMENTS AS PART OF THE CONTRACT DOCUMENTS INCLUDING PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES, SCHEMATICS, AND WRITTEN SPECIFICATIONS REPRESENT A COMPLETED OPERATIONAL, WEATHERPROOF, AND WATERTIGHT PROJECT AND CONNECTED TO ALL REQUIRED ON AND OFF SITE UTILITY PROVIDERS AND CITY
 - GP8. PROVIDE ALL LABOR, BUILDING MATERIALS, PARTS, COMPONENTS, SYSTEMS, AND EQUIPMEN COMPLETE AND OPERATIONAL IN PLACE INCLUDING BUT NOT NECESSARILY LIMITED TO BUILDING FINISH MATERIALS, STRUCTURAL MATERIALS AND SYSTEMS, MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS REQUIRED TO COMPLETE THE PROJECT IN OPERABLE CONDITION CONNECTED TO UTILITY PROVIDERS AND CITY/COUNTY SERVICES AS IF SPECIFICALLY NOTED
 - OR SPECIFIED. GP9. THE CONSTRUCTION DOCUMENTS ARE ADDRESSED TO THE GENERAL CONTRACTOR. RESPONSIBILITY BEYOND THE GENERAL CONTRACTOR FOR ANY SPECIFIC PORTION OF THE PROJECT SHALL BE DETERMINED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH THE PROVISIONS OF AGREEMENTS BETWEEN THE GENERAL CONTRACTOR AND THE OWNER AND COORDINATED WITH THE PROVISIONS OF AGREEMENTS BETWEEN OTHER PROVIDERS AND THE OWNER. COORDINATE ALL PORTIONS OF THE PROJECT BETWEEN ALL ENTITIES ASSIGNED
 - RESPONSIBILITY FOR SPECIFIC PORTIONS OF THE PROJECT GP10. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS TECHNIQUES, SCHEDULING, PROCEDURES, SAFETY PRACTICES AND PROGRAMS IN CONNECTION WITH THE PROJECT.
 - GP11. THE ARCHITECT SHALL BE HELD HARMLESS FOR THE ACTIONS, OR OMISSIONS OF THE GENERAL CONTRACTOR, SUBCONTRACTORS, AND MATERIAL PROVIDERS AS GOVERNED BY AGREEMENTS BETWEEN THE GENERAL CONTRACTOR AND THE OWNER, THE OWNER AND THE ARCHITECT, AND RESPECTIVE AGREEMENTS BETWEEN OTHER SERVICE PROVIDERS AND THE

OWNER.

- GP12. POSSESS AND MAINTAIN A COMPLETE SET OF THE MOST CURRENT CONSTRUCTION DOCUMENTS BEARING APPROVAL OF THE LOCAL AUTHORITY HAVING JURISDICTION AT THE JOB SITE. CONSTRUCTION DOCUMENTS SHALL BE READILY AVAILABLE TO ALL PARTIES OF THE PROJECT. DISTRIBUTE COMPLETE CONSTRUCTION DOCUMENTS TO SUBCONTRACTORS AS REQUIRED FOR THEIR WORK. PERFORM WORK ONLY FROM COMPLETE SETS OF THE MOST CURRENT REVISED AND APPROVED CONSTRUCTION DOCUMENTS, ENSURE THAT ALL SUBCONTRACTORS WORK DIRECTLY FROM COPIES OF THE MOST CURRENT REVISED AND APPROVED CONSTRUCTION DOCUMENTS, ENSURE THAT ALL WORK IS PERFORMED ONLY AND DIRECTLY FROM WELL MAINTAINED CONSTRUCTION DOCUMENTS READILY AVAILABLE TO ALL PERSONS PERFORMING WORK. REVIEW AND INTERPRET CONSTRUCTION DOCUMENTS FOR ALL SUBCONTRACTORS DURING THE EXECUTION OF THEIR PORTIONS OF THE WORK. DO NOT SEPARATE ANY PORTION OF THE CONSTRUCTION DOCUMENTS OR PERFORM WORK FROM PARTIAL SETS. THE ARCHITECT IS NOT RESPONSIBLE FOR INCOMPLETE OR INCORRECT WORK PERFORMED FROM OUTDATED, SUPERCEDED, INCOMPLETE, DETERIORATED UNREADABLE SETS OF CONSTRUCTION DOCUMENTS. PERFORM WORK ONLY FROM WRITTEN DIMENSIONS. DO NOT PERFORM WORK BASED UPON SCALED DIMENSIONS. HORIZONTAL CONTROL DIMENSIONS ARE UNLESS SPECIFICALLY NOTED OTHERWISE: FROM BUILDING LINES (FACE OF MASONRY OR SHEATHING), FROM COLUMN CENTER LINES (STRUCTURAL GRID), TO FACE OF
- GP13. BIDDERS FOR ANY AND ALL PORTIONS OF THE WORK OF THE PROJECT SHALL: VISIT THE SITE OF THE PROJECT. FORM THEIR OWN CONCLUSIONS AS TO THE CHARACTER OF THE WORK AND THE IMPACT OF EXISTING CONDITIONS UPON THE WORK. REPORT ALL INCONSISTENCIES OBSERVED TO THE ARCHITECT FOR RESPONSE AND RESOLUTION BEFORE THE COMPLETION OF
- GP14. THE USE OF ASBESTOS CONTAINING MATERIALS OR OTHER RECOGNIZED AND REGULATED HAZARDOUS MATERIALS WHETHER TEMPORARY OR PERMANENT IS STRICTLY PROHIBITED. GP15. PROVIDE MATERIAL SAFETY DATA SHEETS FOR ALL MATERIALS UTILIZED ON THE PROJECT. SUBMIT A COMPLETE SET OF MATERIAL SAFETY DATA SHEETS TO THE OWNER AND AS MAY BE
- REQUIRED FOR OBTAINING AN OCCUPANCY PERMIT AT THE COMPLETION OF THE PROJECT. GP16. PROVIDE SITE SECURITY INCLUDING SECURITY FENCING AND PROTECTIVE DEVICES AS REQUIRED AND IN COMPLIANCE WITH VCC, CHAPTER 33 SITE WORK DEMOLITION AND CONSTRUCTION DURING ALL CONSTRUCTION ACTIVITIES. PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH OWNER REQUIREMENTS ONSITE AND ON ALL PUBLIC RIGHT OF WAYS ADJACENT TO AND SERVICING THE SITE. PROVIDE ALL SIGNAGE FOR PROTECTION OF THE GENERAL PUBLIC AND WORKERS ON SITE. PROVIDE AND MAINTAIN PROPER LIGHTING, VENTILATION, AND SANITATION AT ALL TIMES. MAINTAIN THE PROJECT IN A NEAT AND CLEAN MANNER AT ALL TIMES. REMOVE ALL CONSTRUCTION RELATED DEBRIS FROM THE SITE ON A REGULAR BASIS AND IMMEDIATELY REMOVE CONSTRUCTION DEBRIS FROM ALL PUBLIC RIGHT OF WAYS ADJACENT TO AND SERVICING THE PROJECT SIGHT. PERFORM CUTTING, DRILLING, REMOVAL, AND PATCHING OF WORK IN PLACE WITH EXTREME CARE. USE SMALL TOOLS TO MINIMIZE RISK TO THE INTEGRITY OF THE BUILDING STRUCTURE. MATCH EXISTING ADJACENT FINISH TEXTURES AND COLORS SO AS TO MAKE PATCHES INDISTINGUISHABLE FROM EXISTING ADJACENT CONSTRUCTION.
- 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), 1992 AS ADMINISTERED BY THE LOCAL AUTHORITY HAVING JURISDICTION. REFERENCE AND COMPLY WITH CHAPTER 11, ACCESSIBILITY, OF THE 2021 VIRGINIA CONSTRUCTION CODE (VCC), THE VIRGINIA EXISTING BUILDING CODE (VEBC), THE 2021 VIRGINIA PROPERTY MAINTENANCE CODE (VPMC); THE 2010 ADA STANDARDS FOR
- ACCESSIBLE DESIGN (ASAD). OBTAIN AND MAINTAIN ALL REQUIRED PERMITS FROM ALL AGENCIES HAVING JURISDICTION. GP19. MAINTAIN A COPY OF APPLICABLE CODES AND REFERENCED STANDARDS ON THE PROJECT SITE FOR THE USE OF THE OWNER, THE ARCHITECT, AND INSPECTORS FROM THE LOCAL
- AUTHORITIES HAVING JURISDICTION. GP20. SCHEDULE AND MANAGE ALL INSPECTIONS BY THE LOCAL AUTHORITIES HAVING JURISDICTION AND OTHERS AS REQUIRED.
- GP21. DO NOT COVER WORK REQUIRING INSPECTION UNTIL APPROVED BY INSPECTORS OF THE LOCAL AUTHORITIES HAVING JURISDICTION
- 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 AND IN COMPLIANCE WITH THE IFC, SECTION 906 AND
- GP24. PROVIDE WATER SUPPLY SYSTEMS AND SANITARY WASTE DISPOSAL SYSTEMS AS SPECIFIED AND AS REQUIRED BY LOCAL AUTHORITIES HAVING JURISDICTION CONNECTED TO APPROPRIATE PUBLIC SYSTEMS. PROVIDE DISINFECTION OF POTABLE WATER SYSTEMS IN COMPLIANCE WITH IPC, SECTION 610. OBTAIN APPROVAL AND PROVIDE TESTING REQUIRED FOR APPROVAL OF LOCAL AUTHORITIES BEFORE PLACING WATER SUPPLY SYSTEM AND SANITARY WASTE DISPOSAL SYSTEM IN OPERATION.
- GP25. PROVIDE AND COORDINATE SYSTEM TESTING AND TROUBLESHOOTING WITH AUTHORITIES HAVING JURISDICTION. OBTAIN ALL REQUIRED PERMITS FOR THE SYSTEM AND OPERATION.

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 WHERE THE WORK IS TO BE PERFORMED. THE DEMOLITION DRAWINGS AND ASSOCIATED KEY NOTES DO NOT NECESSARILY INDICATE ALL DEMOLITION REQUIRED FOR THE NEW WORK, COORDINATION OF ALL DEMOLITION AND MODIFICATIONS FOR THE WORK IS THE RESPONSIBILITY OF THE
- GD3. TO DETERMINE THE EXTENT AND SCOPE OF THE DEMOLITION REQUIRED THE CONTRACTOR SHALL REFER TO ALL CONTRACT DOCUMENTS. DO NOT PERFORM DEMOLITION BEYOND THE SCOPE AND SCHEDULED DURATION OF ANY WORK GD4. REMOVAL OF DEMOLISHED ITEMS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL
- APPLICABLE LOCAL REGULATIONS UNLESS OTHERWISE DIRECTED BY THE OWNER. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE ITEMS. GD5. WHERE DEMOLITION OF EXISTING CONSTRUCTION LEAVES DAMAGED, ROUGH, OR UNSIGHTLY SURFACES AND EDGES EXPOSED TO VIEW, THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING, REPAIRING, PATCHING, AND FINISHING THESE AREAS TO MATCH EXISTING ADJACENT UNDAMAGED CONSTRUCTION AND MATERIALS.

GD6. ALL EXISTING TO REMAIN CONSTRUCTION DAMAGED DUE TO DEMOLITION SHALL BE REPAIRED

- OR REPLACED TO MATCH EXISTING ADJACENT UNDAMAGED CONSTRUCTION BY THE GENERAL CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. GD7. GENERAL CONTRACTOR SHALL COORDINATE ALL FLOORING AND SLAB DEMOLITION WITH ALL CONTRACT DOCUMENTS. SPECIFICALLY REFER TO EACH DISCIPLINE'S DOCUMENTS TO
- DETERMINE THE EXTENT OF DEMOLITION REQUIRED GD8. ALL EXISTING EQUIPMENT TO REMAIN SHALL BE PROTECTED DURING THE COURSE OF CONSTRUCTION. ANY DAMAGE CAUSED BY REMOVAL OR REINSTALLATION MUST BE REPAIRED OR REPLACED BY THE CONTRACTOR TO ITS PRE-EXISTING CONDITION AT NO ADDITIONAL
- EXPENSE TO THE OWNER. GD9. $\,\,$ ALL DEMOLITION THAT REQUIRES REMOVAL OF EXISTING UTILITIES AND SERVICES SHALL BE COORDINATED WITH ALL CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL SHORING, REMOVAL, RELOCATION, MODIFICATIONS, AND ADDITIONS TO THE BUILDING'S EXISTING STRUCTURAL FRAMING AND SUPPORT SYSTEM. ALL WORK MUST BE COORDINATED WITH THE STRUCTURAL DRAWINGS.
- GD10. SHOULD ASBESTOS CONTAINING OR QUESTIONABLE MATERIAL, OTHER THAN THAT NOTED IN THE CONTRACT DOCUMENTS, BE ENCOUNTERED DURING THE WORK, THE OWNER, ARCHITECT, AND/OR ENGINEER ARE TO BE IMMEDIATELY NOTIFIED
- 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 TOOTHING OF MASONRY AT JAMBS AND LINTELS, UNLESS NOTED OTHERWISE. gd13. Cut masonry coursing at exposed conditions shall not be permitted, unless noted GD14. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COVER ALL EQUIPMENT
- FURNISHINGS, AND ASSOCIATED CONSTRUCTION TO REMAIN BEFORE ANY DEMOLITION COMMENCES TO PROTECT FROM DUST, DIRT, AND DEBRIS GD15. ALL DEMOLITION NOTES LISTED HERE AND ON SUBSEQUENT DRAWINGS MAY NOT APPLY TO EACH DRAWING. ANY UNFORESEEN CONDITIONS OR CONFLICTS THAT OCCUR DURING DEMOLITION MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE THE

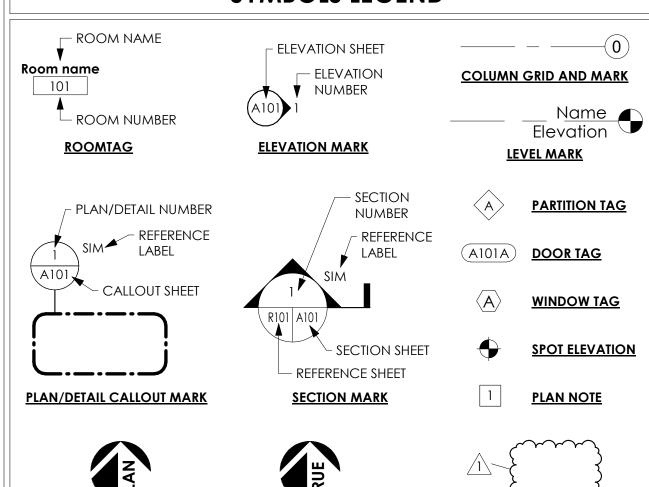
GENERAL CONSTRUCTION NOTES

GC1. THE SCOPE OF WORK FOR THIS PROJECT IS DEFINED IN THE DRAWINGS AND THE

COMMENCEMENT OF WORK.

- SPECIFICATIONS. REFERENCE TO BOTH IS REQUIRED. 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 ON THE ARCHITECTURAL DRAWINGS. FOR FLOOR, WALL, AND/OR ROOF PENETRATIONS, SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENTS AND LOCATIONS. PROVIDE ALL SLEEVES, LINTELS, AND SEALANTS FOR ALL PENETRATIONS.
- GC3. ALL RATED WALLS MUST EXTEND TIGHT TO UNDERSIDE OF THE NON-COMBUSTIBLE CONSTRUCTION ABOVE. ALL VOIDS BETWEEN THE TOP OF WALL AND THE NON-COMBUSTIBLE CONSTRUCTION MUST BE FILLED WITH PERMANENT, UL ASSEMBLY, NON-COMBUSTIBLE FIRESAFING MATERIAL
- GC4. $\,$ Contractor must extend CMU Walls, and metal stud walls to the underside o FLOOR OR ROOF ASSEMBLY ABOVE. PROVIDE CONTINUOUS DEEP LEG TRACK FOR DEFLECTION. PROVIDE ALL NECESSARY BRACING AND SUPPORT AS RECOMMENDED BY THE MANUFACTURER UNLESS NOTED OTHERWISE. ALL BRIDGING AND BRACING MUST BE INSTALLED GC5. ALL ANNULAR SPACES AROUND PENETRATIONS OF FIRE RATED CONSTRUCTION MUST BE
- PROTECTED IN ACCORDANCE WITH CODE AND SPECIFICATION DIVISION 15. GC6. INSTALL HINGE SIDE OF ALL DOORS 6" AWAY FROM ADJACENT WALL UNLESS NOTED
- 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
- GC8. ALL DOORS, FRAMES, AND ASSOCIATED HARDWARE, IN FIRE RATED ASSEMBLIES, REQUIRES A RATING CONSISTENT WITH THAT ASSEMBLY.

SYMBOLS LEGEND



TRUE NORTH ARROW

PLAN NORTH ARROW

ABBREVIATIONS

LENGTH/LONG ARCHITECT/ENGINEER LABORATORY LAB. **ANCHOR BOLT** LAM. LAMINATE LAVATORY **ABOVE** LAV. ACOUSTICAL CEILING PANEL ACP POUNDS ACOUSTICAL CEILING TILE LINEAR FOOT AMERICANS WITH DISABILITIES ACT LEFT HAND ADJACENT/ADJUSTABLE LOCKER AUTOMATED EXTERNAL DEFIBRILLATOR LLH LONG LEG HORIZONTAI ABOVE FINISHED FLOOR LONG LEG VERTICAL LOC. AIR HANDLING UNIT LOCATION ALTERNATE LOW POINT ALUM. ALUMINUM LIGHTWEIGHT **ACCESS PANEL** METER ARCHITECTURAL PRECAST CONCRETE MACH. MACHINE APPR. APPROXIMATE MANUF. MANUFACTURER ARCH. ARCHITECTURAL MAS. MASONRY ASB. MATERIAL(S) ASBESTOS MATI ATTEN. ATTENUATION MAX. MAXIMUM AUTO. MECH. AUTOMATIC MECHANICAL AVG. MED. AVFRAGE MEDIUM ΑW ALUMINUM WINDOW MEMB. MEMBRANE AWP ACOUSTICAL WALL PANEL MFG. MANUFACTURING BD. BOARD MIN. MINIMUM BLDG. MIR. MIRROR BUILDING BLK. BLOCK MISC. MISCELLANEOUS BLKG. BLOCKING MLDG. MOLDING BENCH MARK MILLIMETER BOT. BOTTOM MO MASONRY OPENING BRG. BEARING MSDS MATERIAL SAFETY DATA SHEET BRK. MT. BRICK MOUNT BSMT. MTD. MOUNTED BASEMENT BTWN. BETWEEN MTG. MOUNTING BUR BUILT-UP ROOF(ING METAL MTL. BYND. BEYOND MWP MEMBRANE WATERPROOFING CB. CHALKBOARD NORTH CF CUBIC FOOT N/A NOT APPLICABLE CAST IRON NEC. NECESSARY CJ CONTROL JOINT NIC NOT-IN-CONTRACT **CENTER LINE** NO. NUMBER CL CLNG. CEILING NOMINAL CLO. CLOSET NOISE REDUCTION COEFFICIENT CLR. CLEAR NOT-TO-SCALE CM. OC CENTIMETER ON CENTER CONCRETE MASONRY UNIT ON CENTER HORIZONTAL CNTR. CENTER ON CENTER VERTICAL CO. CLEANOUT OUTSIDE DIAMETER COL. COLUMN OH/OPH OPPOSITE HAND

OPNG. OPENING

OPPOSITE

OVERHEAD

PARTICLE BOARD

POURED IN PLACE

PLASTIC LAMINATE

PERFORATE(D)

PROPERTY LINE

POLYETHYLENE

PREP. PREPARED/PREPARATION

PRESSURE PRESERVATIVE TREATED

POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH

POLYVINYL CHLORIDE

REFLECTED CEILING PLAN

PAINT(ED)

PRECAST

PERIMETER

PLATE

PLASTER

PANEL

PAIR

PREFIN. PREFINISH(ED)

POINT

PARTITION

PAVEMENT

QUANTITY

Radius

QUARRY TILE

RADIUS/RISER

RESILIENT BASE

ROOF DRAIN

REFRIGERATOR

REINFORCE(MENT)

ROUGH OPENING

RUBBER STUDDED FLOOR TILE

SOUND ATTENUATION BLANKET

REFERENCE

REQUIRED

ROOFING

RIGHT HAND

RUBBER TILE

ROOF TOP UNIT

RESILIENT

ROOM

SOUTH

SANITARY

SCHEDULE

SHFFT

SOLID CORE

SQUARE FEET/FOOT

PROJ. PROJECT

PREFAB. PREFABRICATE(D)

PNLBD. PANELBOARD

PLUMB. PLUMBING

PLYWD. PLYWOOD

OVERFLOW ROOF DRAIN

ORIENTED STRAND BOARD

OPP.

ORD

OSB

PBD

PC.

PIP

PERF.

PLAS.

PVMT.

QT

QTY.

RAD.

RCP

RD

RFF

REQD.

RES.

RFG.

RO

RTU

SAB

SAN.

SCH.

OVHD.

CONC. CONCRETE

CONST. CONSTRUCTION

CTSK. COUNTERSUNK

CU YD CUBIC YARD

CU FT CUBIC FEET/FOO

DEPTH

DOUBLE

DEMOLITION

DFPARTMENT

DIAMETER

DIAGONAL

DIVISION(S)

DOWN

DOOR

DRAWING(S)

EXHAUST FAN

ELEVATION

ELASTOMERIC

ELECTRICAL

EMBED. EMBEDMENT

EMER. EMERGENCY

EQUIP. EQUIPMENT

EPOXY

EQUAL

EACH WAY

FXISTING

EXTERIOR

FACE BRICK

FIBERGLASS

FINISH(FD)

FLOOR MAT

FACE OF

FIRE RATED

FOOTING

FURNITURE

GAUGE

GALLON

GRADE

GYPSUM

HEADER

HDNR. HARDENER

HOSE BIBB

HARDBOARD

HOLLOW CORE

GALVANIZED

FURRED/FURRING

GLASS/GLAZING

GLAZED WALL TILE

FIRE VALVE CABINET

FOUNDATION

FACE OF CONCRETE

FACE OF MASONRY

FIRE RETARDANT TREATED

FLOOR

FLOOR

FLSHG. FLASHING

FRMG. FRAMING

FIRE HYDRANT

FLOOR DRAIN

FIRE EXTINGUISHER

FINISHED FLOOR

FIRE HOSE CABINET

EXPANSION JOINT

ELEVATION/ELEVATOR

EXPANDED POLYSTYRENE

ELECTRIC WATER COOLER

FIRE EXTINGUISHER CABINET

FINISHED FLOOR ELEVATION

FIRE HOSE VALVE CABINET

EXPANSION/EXPOSED

EXTERIOR INSULATED FINISH SYSTEM

DRAWER

EACH

DOOR GRILLE

DIMENSION(S)

DAMPPROOFING

DOWNSPOUT(S)

DRINKING FOUNTAIN

CLASSROOM

CERAMIC TILE

CURTAINWALL

COURSE(S)

CONT. CONTINUOUS

COORD. COORDINATE

CORR. CORRIDOR

CR.

CRS.

CT

DBL.

DEPT.

DIA.

DIV.

DN.

DR.

DTL.

ELEC.

FLFV.

EPS

EPX.

EQ.

EWC

EXIST.

EXP.

FGL.

FHC

FIN.

FLR.

FND.

FO

FOC

FOM

FR

FRT

FTG.

GAL.

GALV.

GYP.

HDR.

JCT.

JST. JNT. JT.

JOINT

REVISION CLOUD AND TAG

EXT.

DIAG.

DEMO.

THEN X = 42'' MIN. FRONT APPROACH, PULL SIDE HINGE APPROACH, PULL SIDE LATCH APPROACH, PULL SIDE REQUIRED MANEUVERING SPACE AT DOOR (TYP.) SLOPE NOT TO EXCEED 2% IN ANY DIRECTION WITHIN MANEUVERING SPACE AT DOOR (TYP.) 54" MIN. IF DOOR HAS A CLOSER. IF DOOR HAS BOTH A CLOSER IF DOOR HAS BOTH A CLOSER AND LATCH, THEN X = 12". AND LATCH, THEN Y = 48" MIN. THEN Y = 48'' MIN. FRONT APPROACH, PUSH SIDE HINGE APPROACH, PUSH SIDE LATCH APPROACH, PUSH SIDE MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18" OF THE LATCH SIDE OF A DOORWAY PROJECTS MORE THAN 8" BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE. 2. THE FLOOR OR GROUND SURFACE WITHIN THE REQUIRED MANEUVERING CLEARANCES SHALL SLOPE NO MORE THAN 1:48 (2%) AND CHANGES IN LEVEL WITHIN THIS AREA ARE NOT PERMITTED.

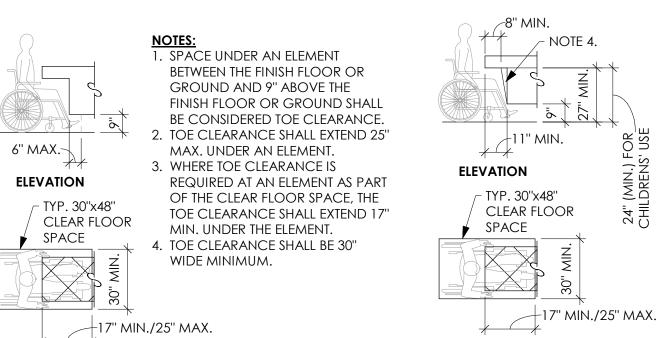
APPROACH T

IF Y = 60'' MIN. OR GREATER,

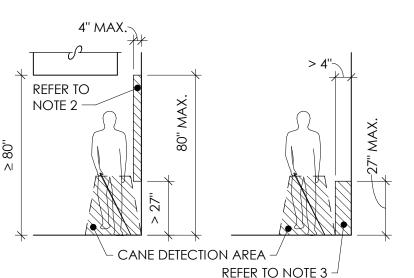
IF Y = 54'' MIN. TO 60'' MAX.,

THEN X = 36" MIN.

REQUIRED DOOR MANEUVERING CLEARANCE AT DOORS |G003|G101| 1/4" = 1'-0"



OF 1" IN DEPTH FOR EVERY 6" IN 4 KNEE CLEARANCE DETAILS



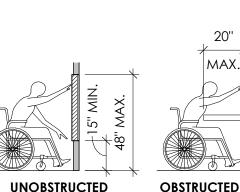
TOE CLEARANCE DETAILS

|G003|G101| 1/4'' = 1'-0''

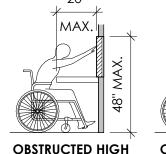
1. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR

WIDTH FOR ACCESSIBLE ROUTES. 2. PROTRUDING OBJECTS W/ LEADING EDGES GREATER THAN 27" BUT NOT MORE THAN 80" AFF SHALL PROTRUDE 4" MAX. HORIZONTALLY INTO THE CIRCULATION PATH. 3. WHERE AN OBJECT PROTRUDES MORE THAN 4" INTO THE CIRCULATION PATH, THE TOP OF THE OBJECT MUST BE LOCATED NO HIGHER THAN 27" MAX.

6 PROTRUDING OBJECTS DETAILS |G003|G101| 1/4" = 1'-0"



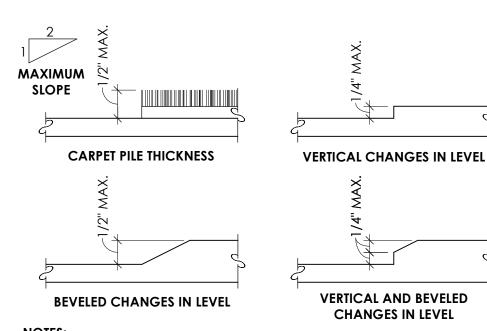
THE REACH DEPTH SHALL BE 25" MAX.



OBSTRUCTED HIGH FORWARD REACH FORWARD REACH FORWARD REACH 1. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48" MAX. AND THE LOW FORWARD REACH SHALL BE 15" MIN. ABOVE THE FINISH FLOOR OR GROUND. 2. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48" MAX. WHERE THE REACH DEPTH IS 20" MAX. WHERE THE REACH DEPTH

FORWARD REACH DETAILS |G003|G101| 1/4" = 1'-0"

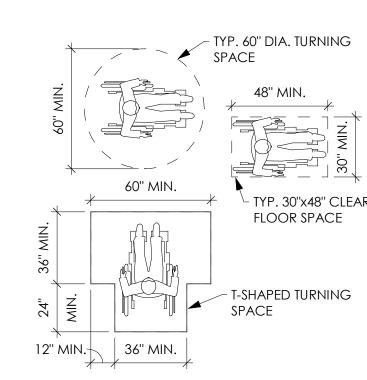
EXCEEDS 20", THE HIGH FORWARD REACH SHALL BE 44" MAX. AND



. CHANGES IN LEVEL OF 1/4" MAX. SHALL BE PERMITTED TO BE VERTICAL 2. CHANGES IN LEVEL OF 1/4" IN HEIGHT AND NOT MORE THAN 1/2" MAX. IN HEIGHT SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2

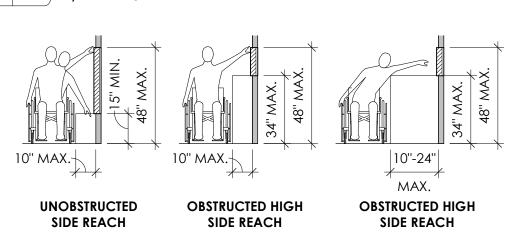
3. CHANGES IN LEVEL GREATER THAN 1/2" SHALL COMPLY WITH RAMP REQUIREMENTS

VERTICAL LEVEL CHANGE ON ACCESSIBLE ROUTE |G003|G101| 1/4" = 1'-0"



1. THE FLOOR OR GROUND SURFACE WITHIN THE REQUIRED MANEUVERING CLEARANCES OR CLEAR FLOOR SPACE SHALL SLOPE NO MORE THAN 1:48 (2%) AND CHANGES IN LEVEL WITHIN THIS AREA ARE NOT PERMITTED. 2. WHERE TURNING SPACE IS REQUIRED, THE CIRCLE OR THE T-SHAPE SPACE MAY BE USED.

CLEAR FLOOR AND 5 TURNING SPACE [G003 | G101 | 1/4" = 1'-0"



1. SPACE UNDER AN ELEMENT

FINISH FLOOR SHALL BE

GROUND.

BETWEEN 9" AND 27" ABOVE THE

CONSIDERED KNEE CLEARANCE.

25" MAX. UNDER AN ELEMENT AT 9"

REQUIRED UNDER AN ELEMENT AS

PART OF A CLEAR FLOOR SPACE,

THE KNEE CLEARANCE SHALL BE

11" DEEP MIN. AT 9" ABOVE THE

MIN. AT 27" ABOVE THE FINISH

4. BETWEEN 9" AND 27" ABOVE THE

KNEE CLEARANCE SHALL BE

FINISH FLOOR OR GROUND, THE

PERMITTED TO REDUCE AT A RATE

FLOOR OR GROUND.

FLOOR OR GROUND, AND 8" DEEP

2. KNEE CLEARANCE SHALL EXTEND

ABOVE THE FINISH FLOOR OR

. WHERE KNEE CLEARANCE IS

APPROACH

MIN.

IF DOOR HAS A CLOSER,

THEN Y = 54'' MIN.

1. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48" MAX. AND THE LOW SIDE SHALL BE 15" MIN. ABOVE THE FINISH FLOOR OR GROUND. 2. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL

APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AND OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34" MAX. AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24" MAX. THE HIGH SIDE REACH SHALL BE 48" MAX. FOR A REACH DEPTH OF 10" MAX. WHERE THE REACH RANGE EXCEEDS 10", THE HIGH SIDE REACH SHALL BE 46" MAX. FOR A REACH DEPTH OF 24" MAX.

7 SIDE REACH DETAILS |G003|G101| 1/4" = 1'-0"



FAIRFAX COUNTY PUBLIC SCHOOLS

High School Physics Lab and **Classroom Additions** 4201 Stringfellow Rd.

Chantilly, Virginia 20151

Architect of Record 2402 N. Parham Rd, Richmond, VA 23229

Structural Engineer 8609 Westwood Center Dr Suite 800 ysons, VA 2218 703-827-9552

T: 804 270 0909 F: 804 346 3301

F: 703-356-2031

MEP Engineers

9900 Main St., Suite 300 Fairfax, VA 22031-3907 T: 703-273-5441 703-253-8846

Key Information

GEN. NOTES, **ABBREVIATIONS & ACCESSIBILITY**

05/07/24 Issue Date: BJUA Project No.

WWF WELDED WIRE FABRIC WWM WELDED WIRE MESH

WOOD BASE WATER CLOSET WOOD WINDOW WATER HEATER WATERPROOFING WORKING POINT WATER RESISTANT WAINSCOT WT. WEIGHT

VAPOR RETARDER VINYL TILE VENT THROUGH ROOF VINYL WALL COVERING WEST/WIDE/WIDTH WITH WITHOUT

VINYL ASBESTOS TI VINYL BASE VINYL COMPOSITION TILE VERTICAL VESTIBULE VINYL

SHEATHING SIMILAR **SPECIFICATION** SPRINKLER SQ. SQUARE STAINLESS STEEL SOUND TRANSMISSION COEFFICIENT STC STL. STEFI STOR. STORAGE STRUCT. STRUCTURAL SUSP. SUSPENDED FIBERGLASS REINFORCED PLASTIC SQUARE YARD SYM. T.O.

THK. GENERAL CONTRACTOR GLASS FIBER REINFORCED CONCRETE TOC TOW GYPSUM WALL BOARD UC. UNFIN.

HARDWARE HDWD. HARDWOOD HEIGHT HOLLOW METAL HORIZ. HORIZONTAL HIGH POINT HORSEPOWER HOUR HIGH STRENGTH HEIGHT HVAC HEATING, VENTILATION, AIR CONDITIONING INSIDE DIAMETER

INTERIOR JUNCTION BOX JUNCTION JOIST JOINT

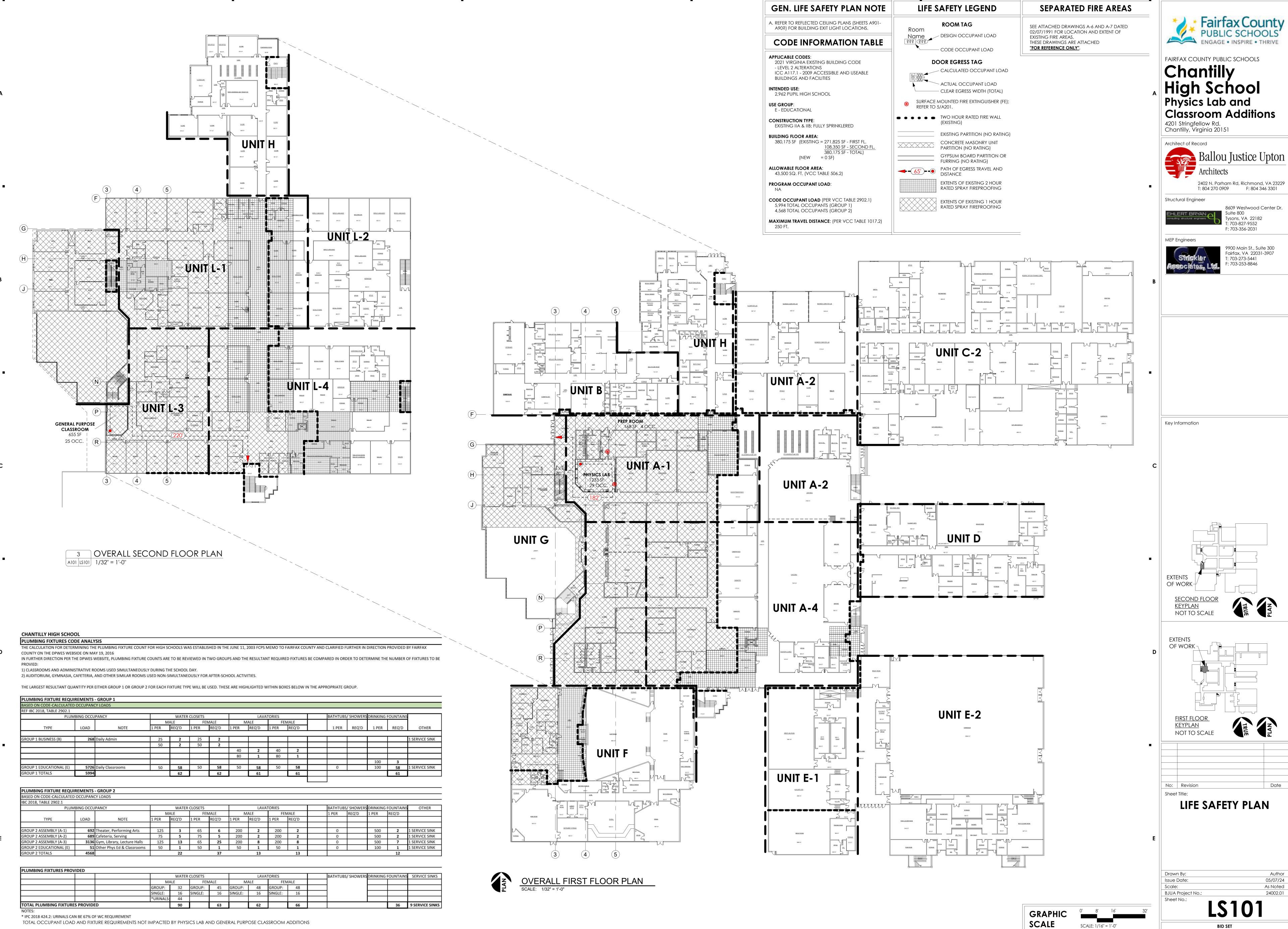
THRESH. THRESHOLD TOP OF CURB TOP OF STEEL TOP OF WALL TREATED TUBE STEEL/TACK STRIP(S) TELEVISION TYPICAL UNDERCU1

UNFINISHED **UNIT PRICE** VERT. VEST.

SYMMETRICAL TREAD(S)/TOILE TOP & BOTTOM **TONGUE & GROOVE** TOP OF TACKBOARD TELEPHONE TEMPERED/TEMPORARY THICK

UNLESS NOTED OTHERWISE

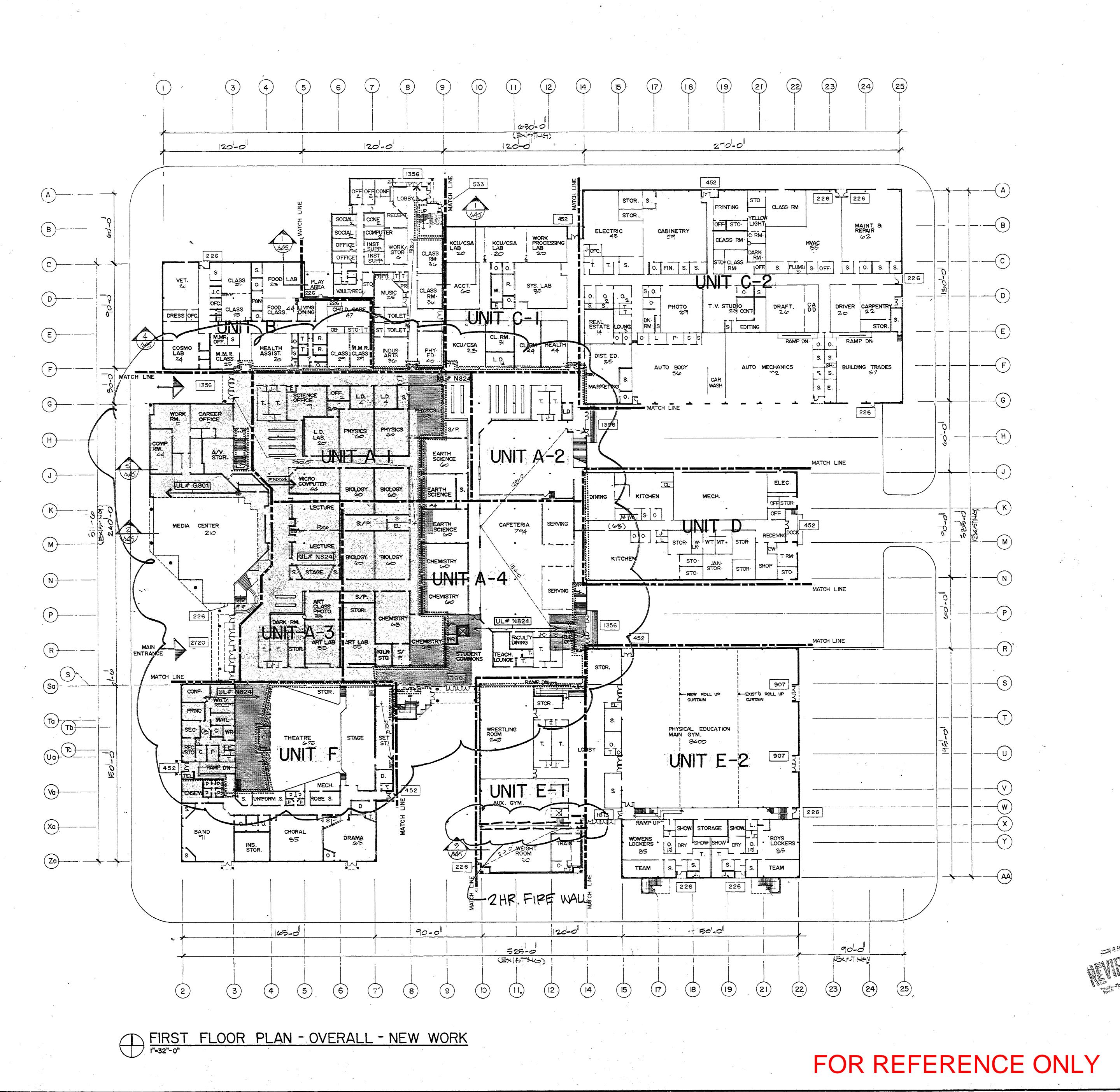
STANDARDS



8609 Westwood Center Dr.

05/07/24

SCALE: 1/16" = 1'-0"



NEW WORK NOTES

1. 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. 3. 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.

CCUPANCY LOADS (BASED ON BOCA TABLE 806):

FIRST FLOOR:

TOTAL DOOR EGRESS WIDTH REQUIRED: 8752 X.15 =1313.8"
TOTAL DOOR EGRESS WIDTH PROVIDED: 2686" 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:

FIRE AREA

FA 4 FA 5

SEMON S. SAMAHA (LICENSE) No.

VIRGINIA STATE

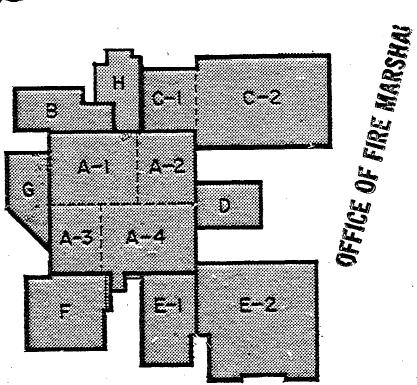
PROJECT NO. 2913

BASE AREA FA No-FA I 14,903 S.F. EXISTANG 43,200 S.F. EXISTING 12,218 S.F. FA 2 FA 3 63,922 S.F. 67,500 S.F. EXISTING FA 4 57,117 S.F. **37,544** S.F. FA 5 16,720 S.F. 45,870 S.F. FA 6 FA 7 20,201 S.F. 43,200 S.F. FA 8 3,709 S.F. FA 9

FA = Fire Area

LEGEND ALLOWABLE EGRESS CAPACITY 2 HR. SPRAY FIREPROOFING IHR. SPRAY FIREPROOFING

FIRST FLOOR
KEY PLAN - NEW WORK



Strang

Separation

New Work

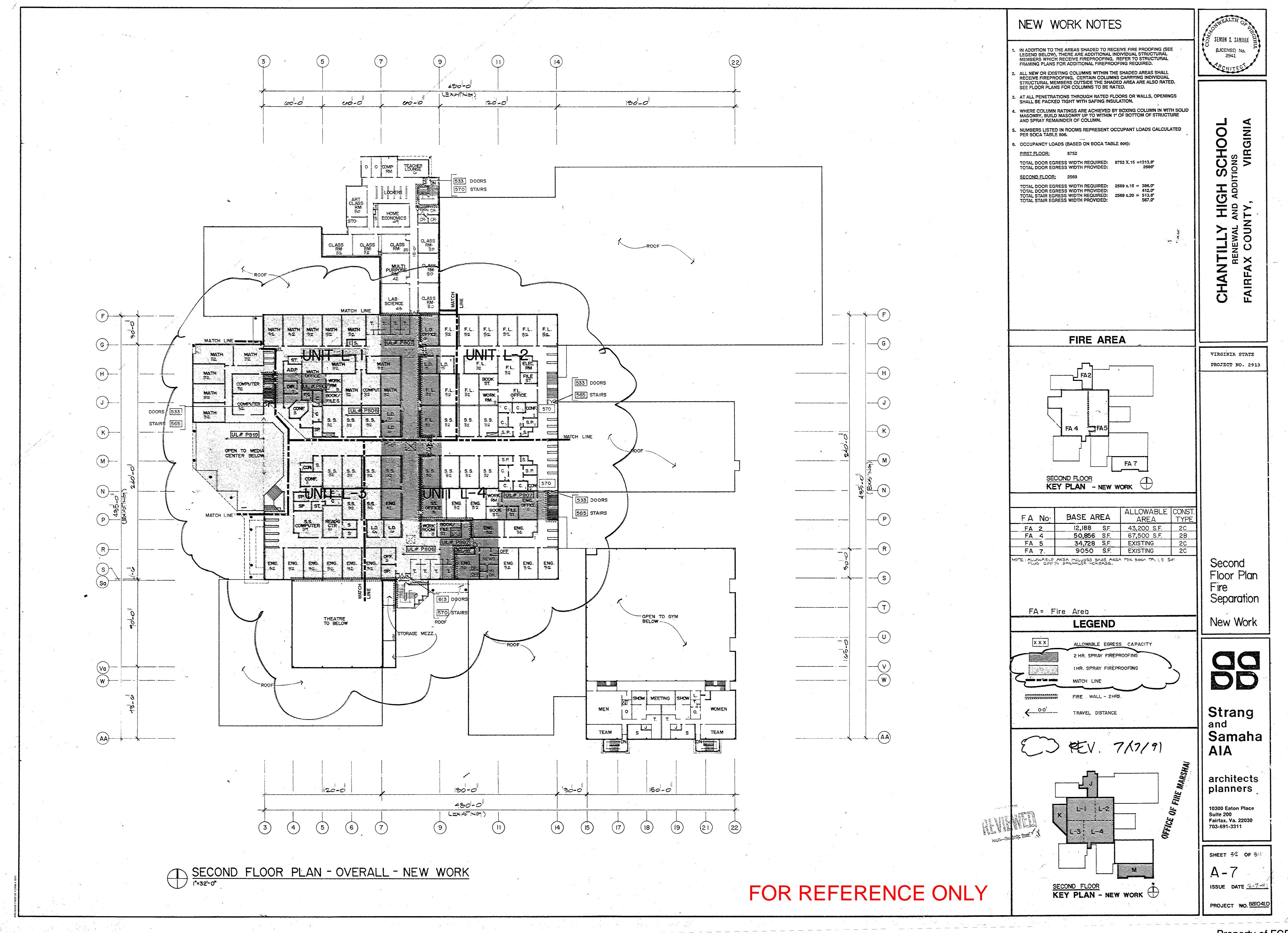
Samaha

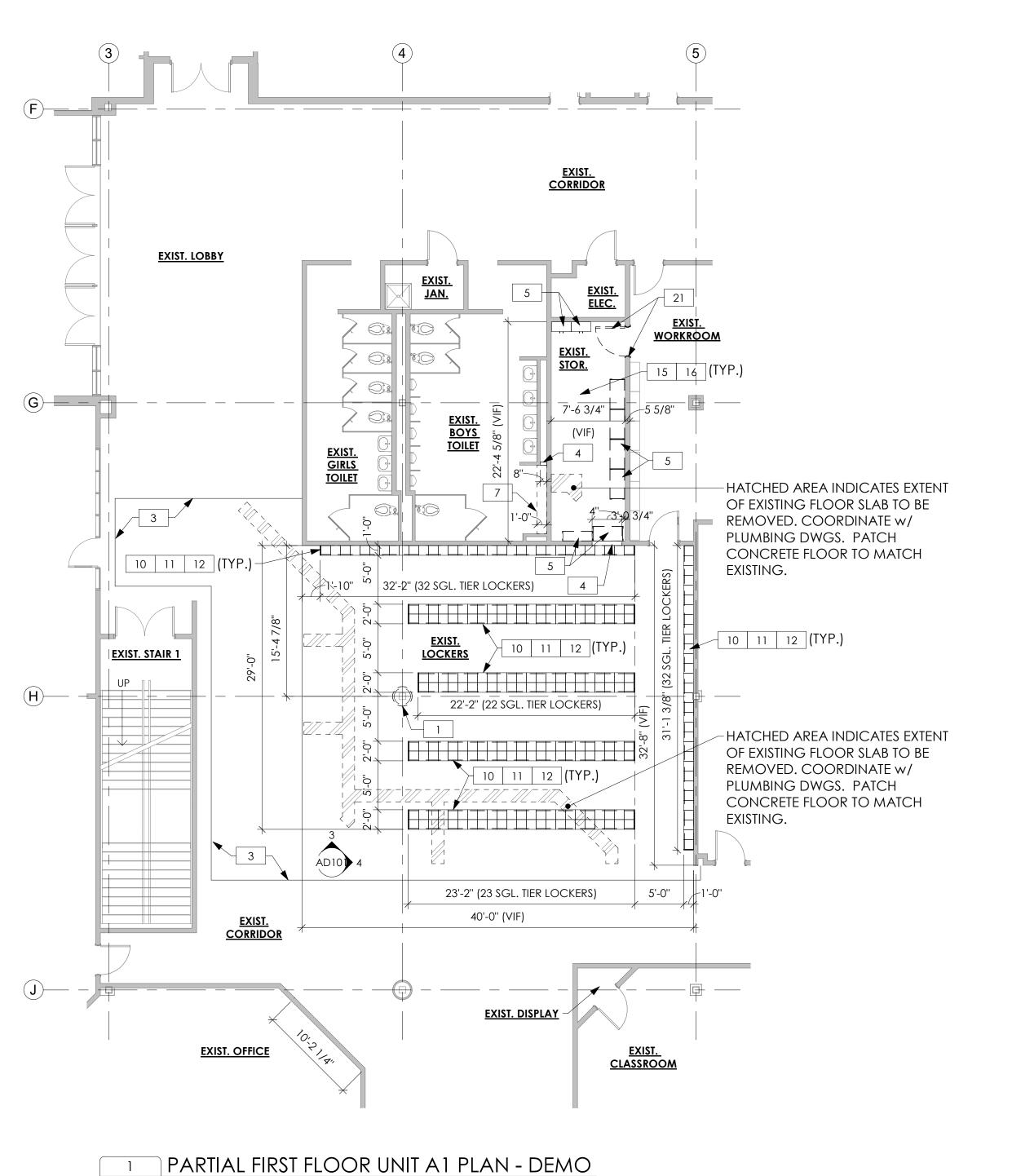
architects planners

Suite 200 Fairfax, Va. 22030 703-691-3311

SHEET 3 OF 311

PROJECT NO BEIC 11.0





AD101 AD101 1/8" = 1'-0"

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

EXISTING CLASSROOM

EXISTING STAIR 3

- OPEN TO

BELOW -

EXISTING

CLASSROOM

EXISTING CORRIDOR

21'-3 5/8"

13 18'-7 3/4"

18'-9 3/8" (19 SGL. TIER LOCKERS)

19'-1 3/8"

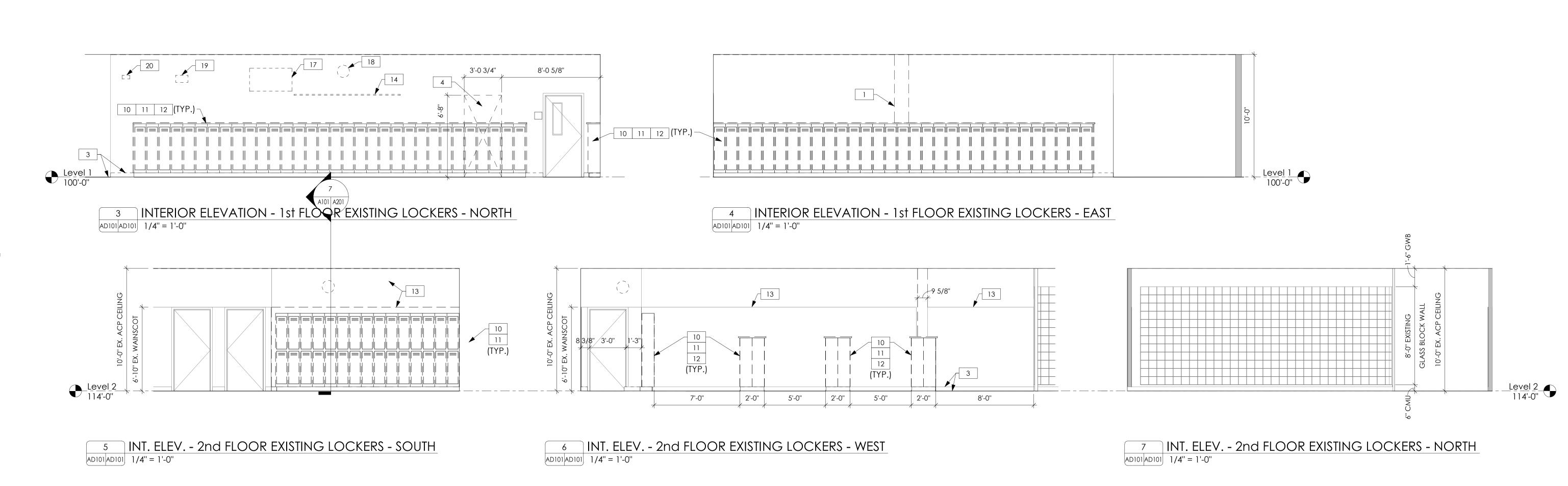
EXISTING LOCKERS

15'-4 3/8"

EXISTING STORAGE

5'-0 3/8" (15 DBL. TIER LKRS.)

EXISTING CLASSROOM



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).
- REMOVE EXISTING ACOUSTIC TILE CEILING, GRID AND BULKHEAD (IF APPLICABLE).
 REMOVE EXISTING VCT FLOORING (TRANSITION STRIP, IF APPLICABLE) AND/OR VINYL BASE. SEE PLANS FOR EXTENTS AND LOCATIONS.
- 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 AND ASSOCIATED BUILT-IN GROWER CONTINUES.
- COUNTERTOPS, BUILT-IN OR WALL MOUNTED SHELVING, ETC., AND ANY ASSOCIATED PLUMBING FIXTURES AND/OR ELECTRICAL CONDUIT) SHOWN DASHED.

4. REMOVE PORTION OF EXISTING WALL SHOWN DASHED FOR NEW

- 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 CEILINGS, 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.
- SINGLE TIER LOCKERS.

 13. REMOVE EXISTING CT WAINSCOT SHOWN DASHED. AT EXISTING

12. REMOVE AND DISPOSE OF EXISTING PLAM COUNTERTOP ON TOP OF

- STORAGE ROOM PARTITION, REMOVE EXISTING GYP BOARD BACK TO METAL STUDS.
- 14. REMOVE EXISTING TACK STRIP SHOWN DASED.
 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.
- 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.



FAIRFAX COUNTY PUBLIC SCHOOLS

Chantilly High School Physics Lab and Classroom Additions

4201 Stringfellow Rd. Chantilly, Virginia 20151



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

F: 703-356-2031

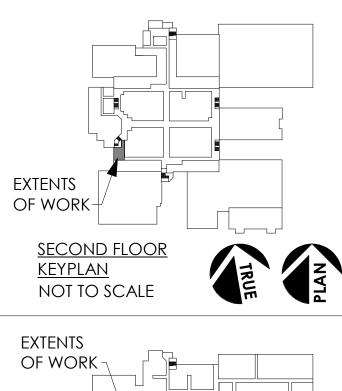
Structural Engineer

8609 Westwood Center Dr. Suite 800 Tysons, VA 22182 T: 703-827-9552

MEP Engineers

9900 Main St., Suite 300 Fairfax, VA 22031-3907 T: 703-273-5441 F: 703-253-8846

Key Information



EXTENTS
OF WORK

FIRST FLOOR

KEYPLAN

ST FLOOR 'PLAN T TO SCALE

No: Revision Date
Sheet Title:

PARTIAL DEMO FLOOR
PLANS AND
ELEVATIONS

Drawn By:

Issue Date:

O5/07/24

Scale:

As Noted

BJUA Project No.:

24002.01

Sheet No.:

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

DOOR FRAMES

SCALE: 3/8" = 1'-0"

A101 A101 1 1/2" = 1'-0" - OPEN TO BELOW -FACE OF A201/ GMU — CLASSROOM GENERAL PURPOSE CLASSROOM L3-212 L3-222 21'-1 1/4" (VIF) XR FLEC. CLO. L3-217B CLASSROOM CLASSROOM L3-217A L3-218 — EXIST. CABINET TO REMAIN

9 1/4" (5) 3 5/8" 5 5/8" – EXISTING STL. TUBE COLUMN TO REMAIN. 1'-1 3/4" <u>UL X528 - 1 HR. RATED</u> (2) LAYERS 5/8" TYPE 'X' HIGH EQ <u>UL X528 - 1 HR. RATED</u> IMPACT GYP. BD. ON 1 5/8" (2) LAYERS 5/8" TYPE 'X' HIGH 25 GA. METAL STUD FURRING. — IMPACT GYP. BD. ON 1 5/8" 25 GA. METAL STUD FURRING. - REMOVE EXISTING SPRAY FIREPROOFING AS REQUIRED REMOVE EXISTING SPRAY TO ATTACH METAL STUD FIREPROOFING AS FURRING, REQUIRED TO ATTACH METAL STUD FURRING, REMAIN. ALIGN — 1 5/8" 3 PLAN DETAIL AT COLUMN H4 4 PLAN DETAIL AT COLUMN H5 A101 | A101 | 1 1/2" = 1'-0"

- SLIP OR CUSHION-

PARTITION NOTE 1.

- UNDERSIDE OF ROOF

- MTL. RUNNER (TOP

TRACK). DO NOT

ATTACH GWB TO

MTL. RUNNER

CEILING AS

SCHEDULED

- 3-5/8" MTL. STUDS

8'-0" AFF. INSTALL

5/8" GWB ABOVE

8'-0" AFF.

- FINISH AS

SCHEDULED

— MTL. RUNNER

(B1) CHASE WALL - 3-5/8" MTL. STUDS

(BOTTOM TRACK)

BASE AS SCHEDULED

FLOOR AS SCHEDULED

w/ 5/8" HIGH IMPACT GWB TO

TYPE JOINT. SEE

DECK ABOVE

─ SLIP OR CUSHION-TYPE

- UNDERSIDE OF ROOF

- CONT. ACOUSTICAL

- MTL. RUNNER (TOP

TRACK). DO NOT

RUNNER

SEALANT (BOTH SIDES)

ATTACH GWB TO MTL.

- CEILING AS SCHEDULED

- 3-5/8" MTL. STUDS w/

5/8" HIGH IMPACT

GWB ON BOTH SIDES

TO 8'-0" AFF. INSTALL

5/8" GWB ON BOTH

SIDES ABOVE 8'-0" AFF.

— 3" SOUND ATTEN. BATTS.

FINISH AS SCHEDULED

— MTL. RUNNER

STC RATING: 49 (MIN.) PER SA-870717

(BOTTOM TRACK)

- BASE AS SCHEDULED

CONT. ACOUSTICAL

SEALANT (BOTH SIDES)

- FLOOR AS SCHEDULED

DECK ABOVE

- EXISTING CMU TO REMAIN. - EXIST. MTL. COL. **COVER TO REMAIN** - EXISTING STL. TUBE COLUMN TO REMAIN. - EXISTING SPRAY FIREPROOFING TO

– FACE OF

– CEILING AS

SCHEDULED

- 1-5/8" MTL. STUDS w/

5/8" HIGH IMPACT

GWB TO 8'-0" AFF.

INSTALL 5/8" GWB

ABOVE 8'-0" AFF.

FINISH AS

– MTL. RUNNER

(BOTTOM TRACK)

BASE AS SCHEDULED

- FLOOR AS SCHEDULED

SCHEDULED

FURRED WALL

EXISTING WALL

A. DO NOT SCALE DRAWINGS. B. ALL CONSTRUCTION IS INTENDED TO BE IN CONFORMANCE W/ FEDERAL & VIRGINIA UNIFIED STATE BUILDING CODE, STATE LAWS, CURRENT LOCAL ORDINANCES, & THE AMERICANS WITH DISABILITIES TO THE ARCHITECT BEFORE COMMENCEMENT OF C. DIMENSIONS ARE IN FEET AND INCHES.

ACT OF 2010 (ADAAG). REPORT ANY DISCREPANCIES D. PROVIDED DIMENSIONS WITH AT LEAST ONE LEG ASSOCIATED TO EXISTING BUILDING ELEMENTS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE. ALL

GENERAL FLOOR PLAN NOTES

DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR FOR ACCURACY AND DISCREPANCIES SHALL BE COMMUNICATED TO THE ARCHITECT BEFORE COMMENCEMENT OF WORK. E. 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 G. SEE SHEET A101 FOR PARTITION TYPES.
H. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL

. SEE SHEET G101 FOR ACCESSIBILITY STANDARDS

- PACK W/ MINERAL

INSULATION (TYP.)

- UNDERSIDE OF ROOF

- SEE STRUCT. FOR TYP.

BRACING DETAILS

DECK ABOVE

CMU WALL

- CEILING AS

SCHEDULED

- VERT. REINFORCING -

SEE STRUCTURAL

FINISH AS SCHEDULED

REINFORCING -

SEE STRUCTURAL

COURSE IN FULL

MORTAR BED

SCHEDULED

─ FLOOR AS SCHEDULED

∕− BASE AS

E CHASE WALL

– HORIZ. JT.

4" CMU

PLUMBING INFORMATION.

- SLIP OR CUSHION-TYPE JOINT.

DECK ABOVE

SEALANT JOINT

- UNDERSIDE OF ROOF

- CONT. FIRE RATED

- MTL. RUNNER (TOP

TRACK). DO NOT

RUNNER

CEILING AS

SCHEDULED

- 1-5/8" 25 GA. MTL.

5/8" HIGH IMPACT

5/8" GWB ABOVE

FINISH AS SCHEDULED

– MTL. RUNNER

(BOTTOM TRACK)

BASE AS SCHEDULED

/ FURRED WALL

1 HR. FIRE RATED

TYPE I

UL X528

FLOOR AS SCHEDULED

8'-0" AFF.

STUDS w/ (2) LAYERS

TYPE 'X' GWB TO 8'-0"

AFF. INSTALL TYPE 'X'

ATTACH GWB TO MTL.

J. SEE SHEET G101 FOR GENERAL NOTES.

Chantilly High School Physics Lab and

FAIRFAX COUNTY PUBLIC SCHOOLS



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

Fairfax, VA 22031-3907 T: 703-273-5441 F: 703-253-8846

Classroom Additions 4201 Stringfellow Rd. Chantilly, Virginia 20151

ENGAGE • INSPIRE • THRIVE

Structural Engineer 8609 Westwood Center Dr. Suite 800 Tysons, VA 22182 : 703-827-9552 F: 703-356-2031 MEP Engineers 9900 Main St., Suite 300

Key Information

EXTENTS

OF WORK-

<u>KEYPLAN</u>

OF WORK

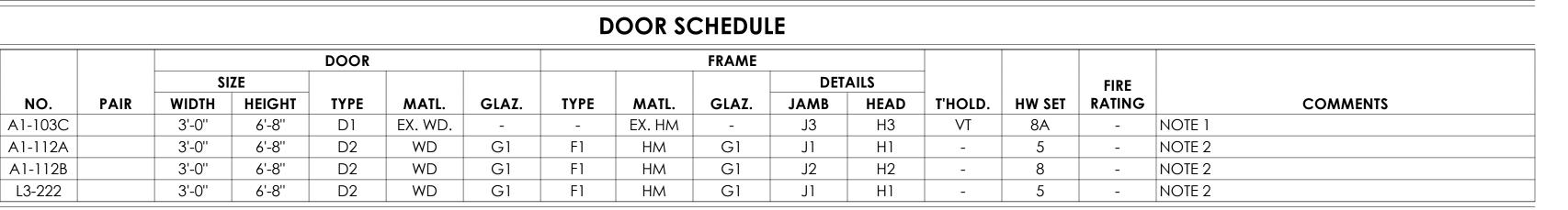
NOT TO SCALE

FIRST FLOOR

NOT TO SCALE

PARTITION TYPES SCALE: 1 1/2" = 1'-0"

PARTIAL SECOND FLOOR UNIT L3 PLAN A101 A101 1/8" = 1'-0"



GENERAL DOOR SCHEDULE NOTES

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

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 2. DOOR GLAZING LITE SIZE SHALL MATCH ADJACENT EXISTING DOORS. VERIFY SIZE IN FIELD.

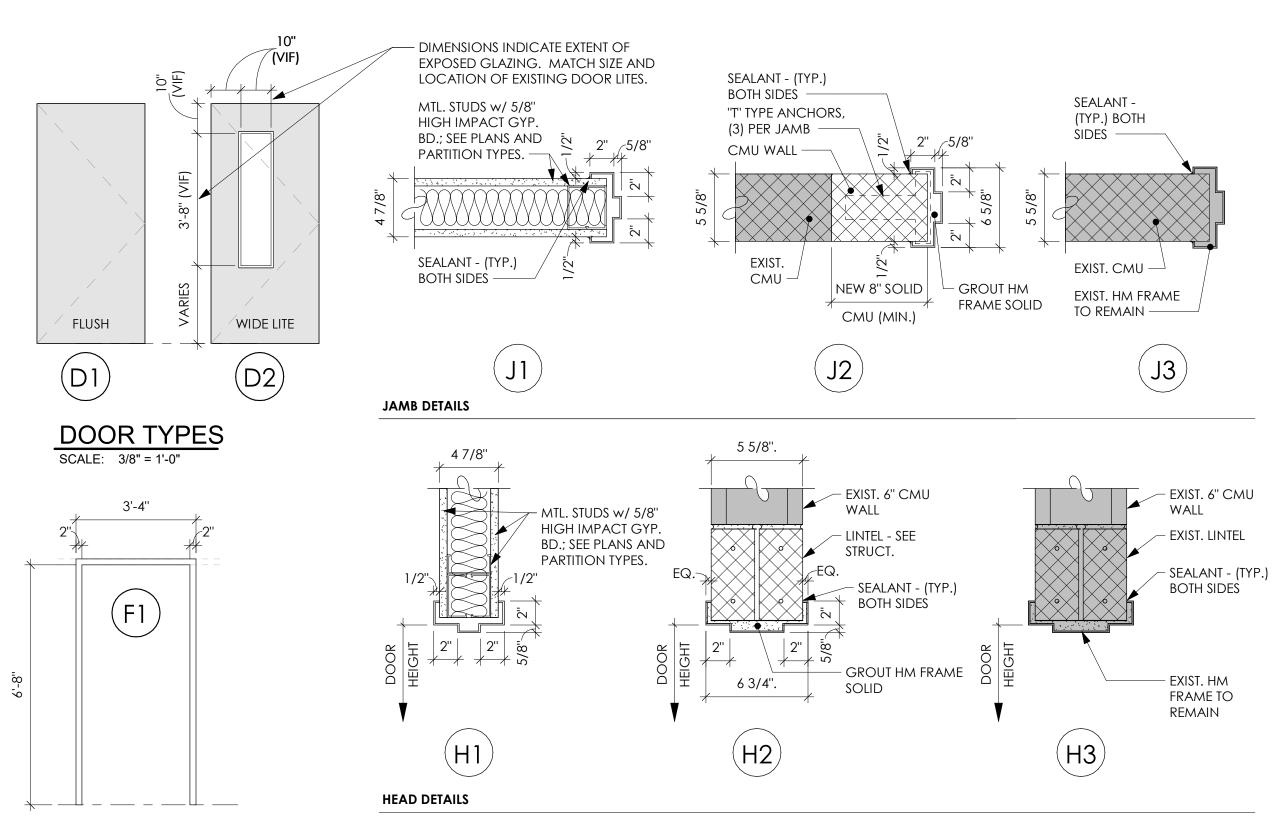
DOOR SCHEDULE LEGEND

DOOR AND FRAME LEGEND

GLAZING.

- 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



DOOR HEAD AND JAMB DETAILS

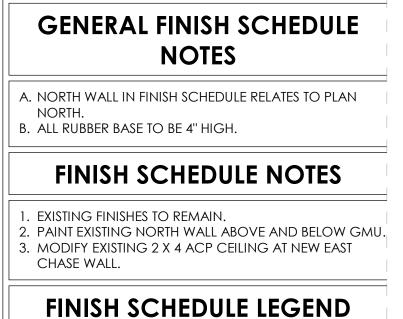
SCALE: 1 1/2" = 1'-0"

FINISH SCHEDULE ROOM **WALLS CEILING** NO. NAME FLOOR BASE 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 10'-0" NOTE 3 EX. TYPE I A1-103 WORKROOM NOTE 1 VCT A1-112A PHYSICS LAB RB ECBP ECBP GWB-P GWB-P TYPE I 10'-0'' A1-112B PREP ROOM VCT ECBP RB **ECBP** ECBP ECBP TYPE I 10'-0'' A1-116 CORRIDOR VCT GWB-P TYPE I 10'-0'' RB ECMU-P ECMU-P A1-118 DISPLAY - NOTE 1 _ _ NOTE 1 A1-125 JANITOR CLOSET _ _ ECB/GWB-P ECBP A1-126 ENTRY ECB ECBP EX. TYPE I 10'-0'' _ _ A2-124 | ELEC. CLOSET NOTE 1 _ -G1-100 STAIR 1 - NOTE 1 _ _ _ -_ _ L3-212 CLASSROOM NOTE 1 -VCT EX. CT/ECBP 10'-0'' L3-216 | CORRIDOR RB EX. CT/ECBP GWB-P TYPE I L3-217A CLASSROOM NOTE 1 L3-217B | ELECTRICAL CLOSET EX. GWB-P TYPE I 10'-0'' EX. GWB-P EX. GWB-P EX. GWB-P L3-218 CLASSROOM NOTE 1

GWB-P

GWB-P

GWB-P



L3-222 GENERAL PURPOSE CLASSROOM

VCT

RB

EX. GMU

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 (2'x4') - STANDARD

ACP ACOUSTIC CEILING PANEL (TYPE I)

VCT VINYL COMPOSTION TILE

Sheet Title: PARTIAL FLOOR PLANS

Drawn By: 05/07/24 Issue Date: As Noted BJUA Project No.: **BID SET**

GRAPHIC SCALE SCALE: 1/16" = 1'-0"

10'-0" NOTE 2

	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		

— PANELBOARD

PREP ROOM

SEE ELEC. DWGS.

TEMPERING VALVE

∠EYEWASH

✓ FACE OF WALL

AND BOTTOM

TACKBOARD

HEAD TRIM

SILL TRIM

- MOUNTING ANGLE

CLIPS, TYP. AT TOP

PHYSICS LAB A1-112A

CW-12 CW-2 CW-5

- MOUNTING ANGLE CLIPS,

TYP. AT TOP AND BOTTOM

∠ MAP RACK w/ CORK

/ MARKER TRAY w/ END

NO TRAY AT MB'S IN

MARKERBOARDS)

~ MARKERBOARD

GYM

CLOSURES

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 S	CHEDULE	
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 PURPOSE CLASSROOM



B. THE SCOPE OF WORK FOR THIS PROJECT IS DEFINED IN ENGAGE • INSPIRE • THRIVE THE DRAWINGS AND THE SPECIFICATIONS; REFERENCE TO BOTH IS REQUIRED.

> FAIRFAX COUNTY PUBLIC SCHOOLS Chantilly

High School Physics Lab and

Classroom Additions 4201 Stringfellow Rd. Chantilly, Virginia 20151

Architect of Record

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

ENLARGED PLAN NOTES

C. ITEMS LISTED IN THE EQUIPMENT LEGEND DO NOT

D. NOTES REFERENCED IN THE EQUIPMENT LEGEND DO

LISTED MANUFACTURERS AND MODEL NUMBERS ARE

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. G. UNLESS NOTED OTHERWISE, MANUFACTURERS MUST

PROVIDE FILLER PANELS TO MATCH ADJACENT

H. ALL ANCHORING DEVICES MUST BE CONCEALED. J. ALL WALL CABINETS ARE TO BE INSTALLED SO THE TOPS

. ALL EPOXY COUNTERTOPS, BACKSPLASHES AND

REMOVE EXISTING FINISHES

AS NECESSARY FOR INSTALLATION OF NEW ANGLED PARTITION

- EXIST. CT WAINSCOT ON 5/8" GYP. BD. ON 3 5/8"

MTL. STUDS TO REMAIN

- EXISTING ROOF

TO REMAIN

- MTL. RUNNER (TOP TRACK). DO NOT ATTACH GWB TO MTL. RUNNER

EXTEND 3 5/8" 25 GA. METAL

STUDS @ 16" OC TO UNDERSIDE OF ROOF STRUCTURE ABOVE.

— EXTEND 5/8" GYP. BD. TO UNDERSIDE OF ROOF STRUCTURE

CEILING AS SCHEDULED

FILL STUDS WITH 3" SOUND ATTEN. BATT

METAL STUDS

7 WALL SECTION - CLASSROOM L3-222

GRAPHIC

SCALE

- EXISTING 5/8" GYP. BD. TO REMAIN ON EXISTING 3 5/8"

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

SIDESPLASHES SHALL BE FURNISHED AND INSTALLED BY

CASEWORK WHERE THE ADJOINING CASEWORK AND WALL SURFACE DO NOT MEET RESULTING IN VOIDS OR

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

APPLY TO EACH ENLARGED PLAN.

COMMENCEMENT OF WORK.

GAPS 12" WIDE OR LESS.

CONTRACTOR.

IMPACT GYP.

BD. ON EXIST. MTL. STUDS

PLAN DETAIL -

8 WALL INTERSECTION

- EXIST. 3 5/8"

MTL. STUD

FRAMING TO REMAIN (TYP.)

A101 A201 1 1/2" = 1'-0"

SLIP OR CUSHION-

TYPE JOINT -

EXIST. 1 HR. SPRAY FIRE-PROOFING (UL #P806) ON

UNDERSIDE OF

AND STEEL ROOF STRUCTURE ———

5/8" GYP. BD. TO UNDERSIDE OF

5/8" HIGH IMPACT

GYP. BD. TO 8'-0" AFF -

BASE AS SCHEDULED

A101 $A201 \overline{)} 3/4'' = 1'-0''$

FLOOR AS

SCHEDULED -

ROOF ABOVE —

ROOF DECK

OF THE CABINETS ARE 7'-0" AFF.

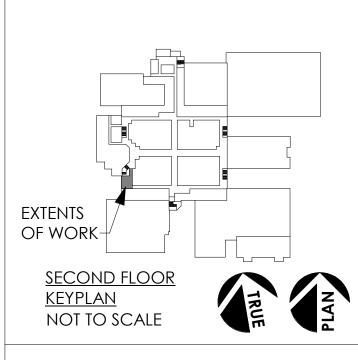
PROVIDED AS A BASIS OF DESIGN.

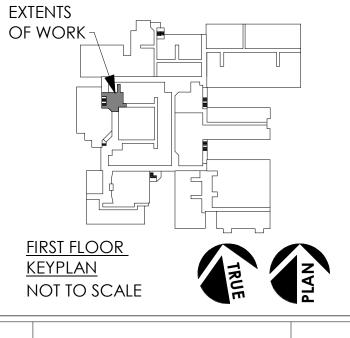
Structural Engineer 8609 Westwood Center Dr. Suite 800

Tysons, VA 22182 T: 703-827-9552 F: 703-356-2031

9900 Main St., Suite 300 Fairfax, VA 22031-3907 T: 703-273-5441 F: 703-253-8846

Key Information

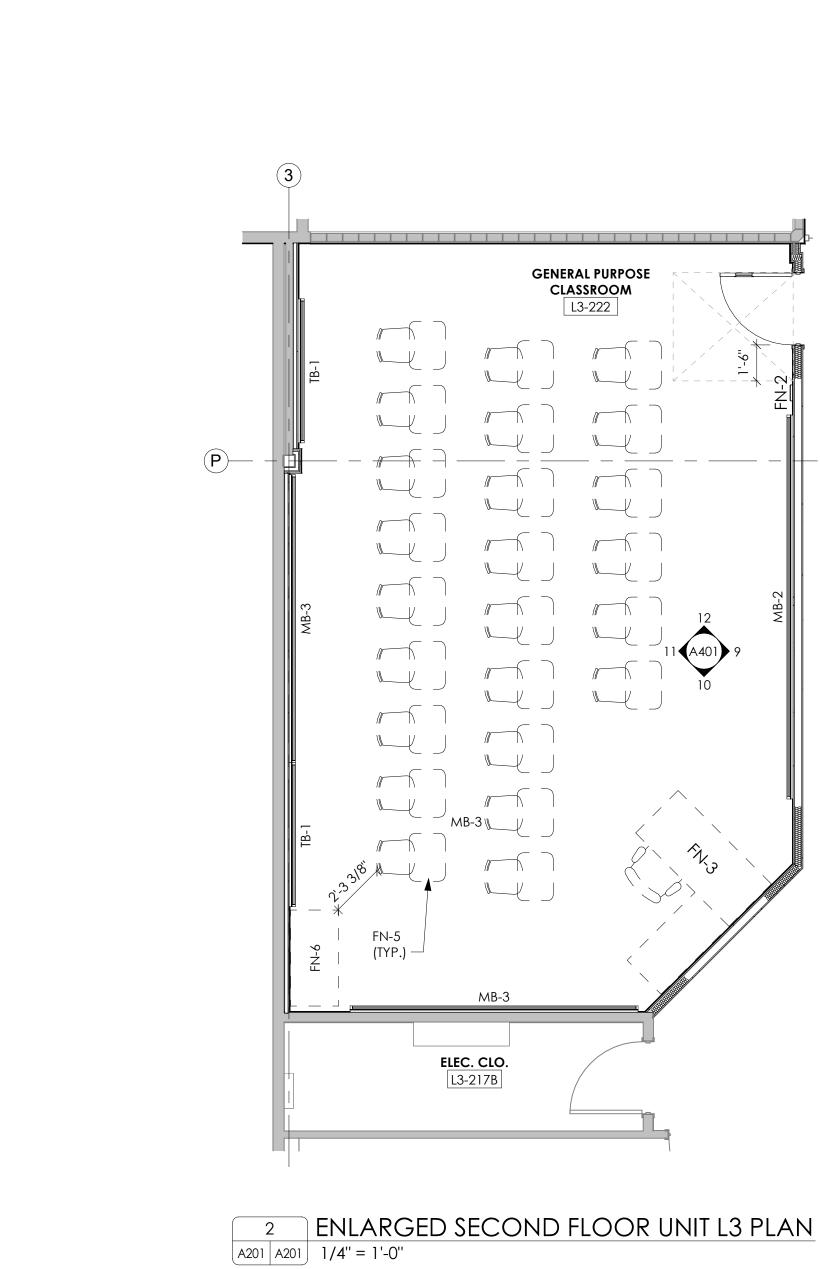


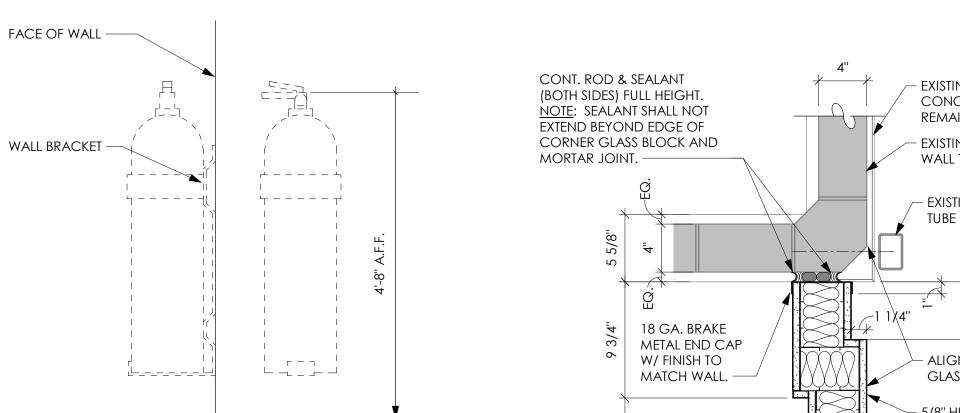


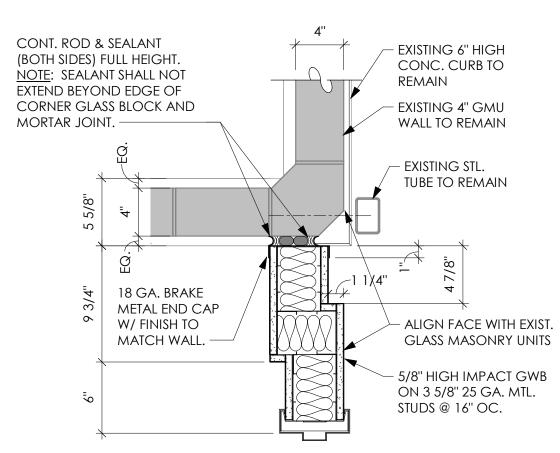
Sheet Title: ENLARGED PLANS

Drawn By: 05/07/24 Issue Date: As Noted Scale: BJUA Project No.: 24002.01 **A201**

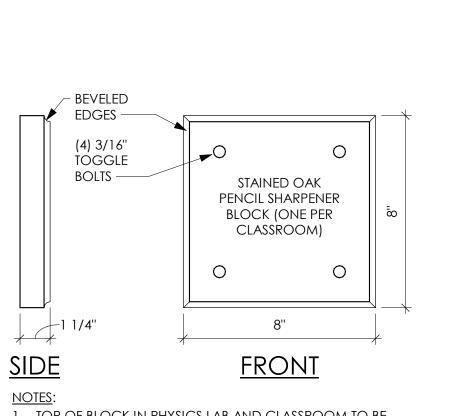
BID SET

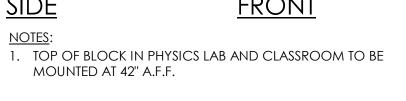






A101 A201 1 1/2" = 1'-0"





A201 A201 3" = 1'-0"



CW-11 CW-11 CW-11 CW-11 CW-11 CW-11 CW-11 CW-8 CW-8

CW-11 CW-10 CW-11 SH-1S SH-1A

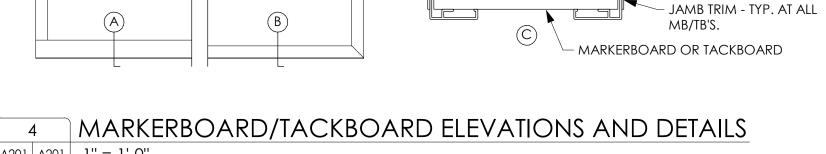
1 ENLARGED FIRST FLOOR UNIT A1 PLAN

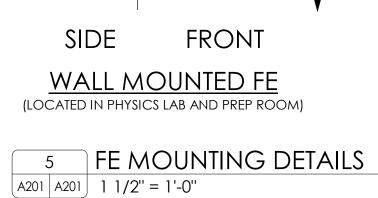
1 1/2"

MB

A201 A201 1/4" = 1'-0"

_CW-4 OPEN OPEN OPEN OPEN CW-6 CW-7









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
THES MAY NEED TO BE AD JUSTED AND/OR CHT. THE

Architects

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

Fairfax County
PUBLIC SCHOOLS
ENGAGE • INSPIRE • THRIVE

FAIRFAX COUNTY PUBLIC SCHOOLS

High School
Physics Lab and
Classroom Additions

Chantilly

4201 Stringfellow Rd. Chantilly, Virginia 20151

Architect of Record

T: 804 270 0909 F: 804 346 3

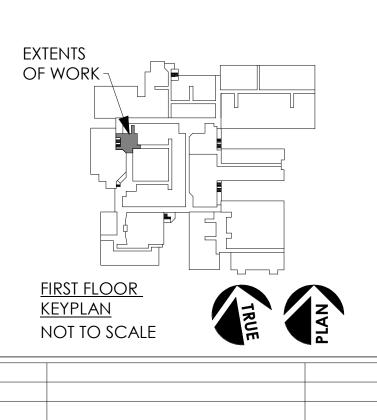
Structural Engineer

8609 Westwood Center Dr.
Suite 800
Tysons, VA 22182
T: 703-827-9552
F: 703-356-2031

EP Engineers



Key Information



FLOOR PATTERN PLAN

Drawn By:

Issue Date:

Scale:

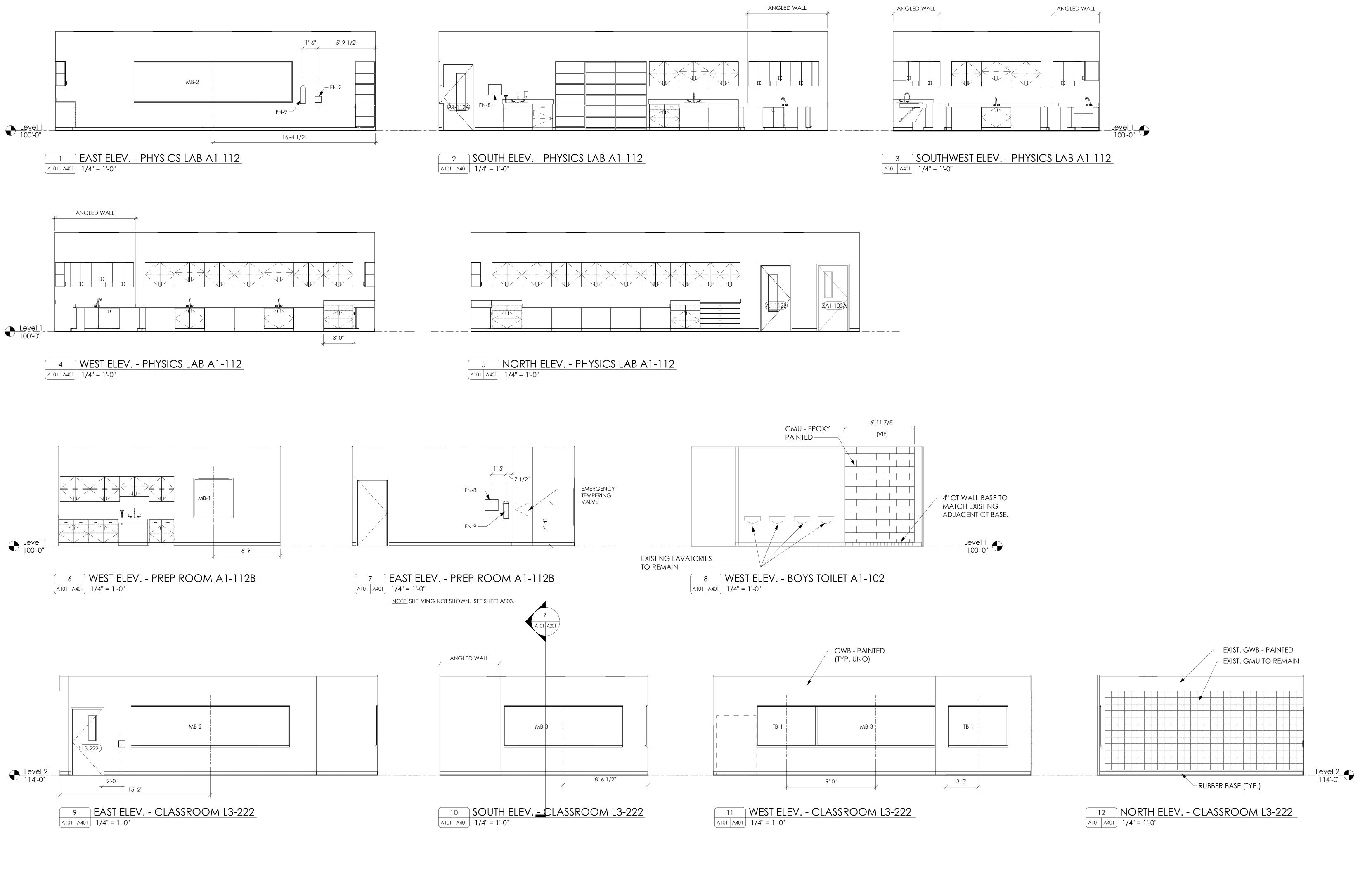
As Noted

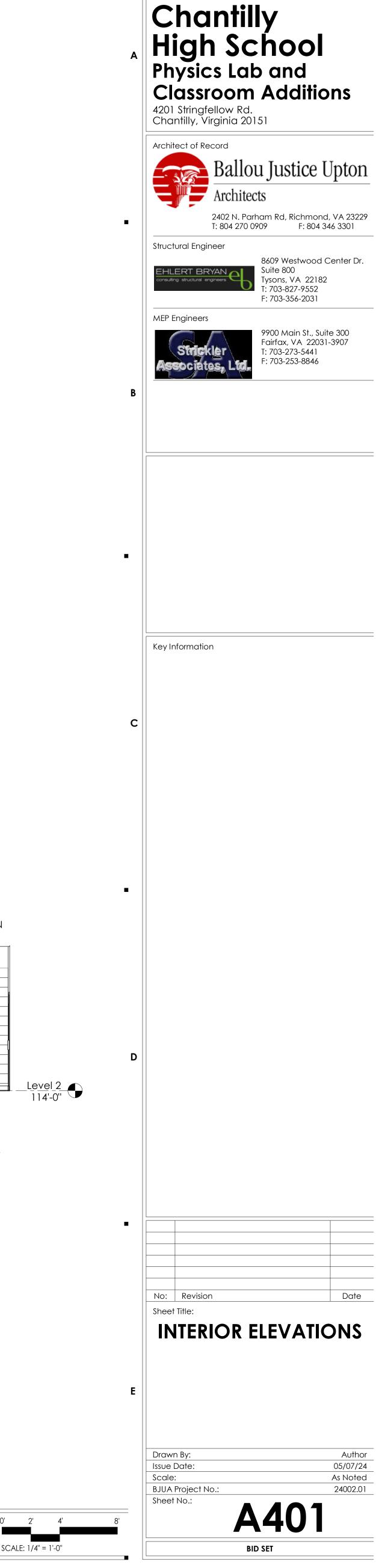
BJUA Project No.:

Sheet No.:

A 3 1

IC INTORMATION IN DRAWING MAT NOT NECESSARIET BE 10 SCALE; USE DIMENSIONAL IEAT FOR ACCURACT; DO NOT



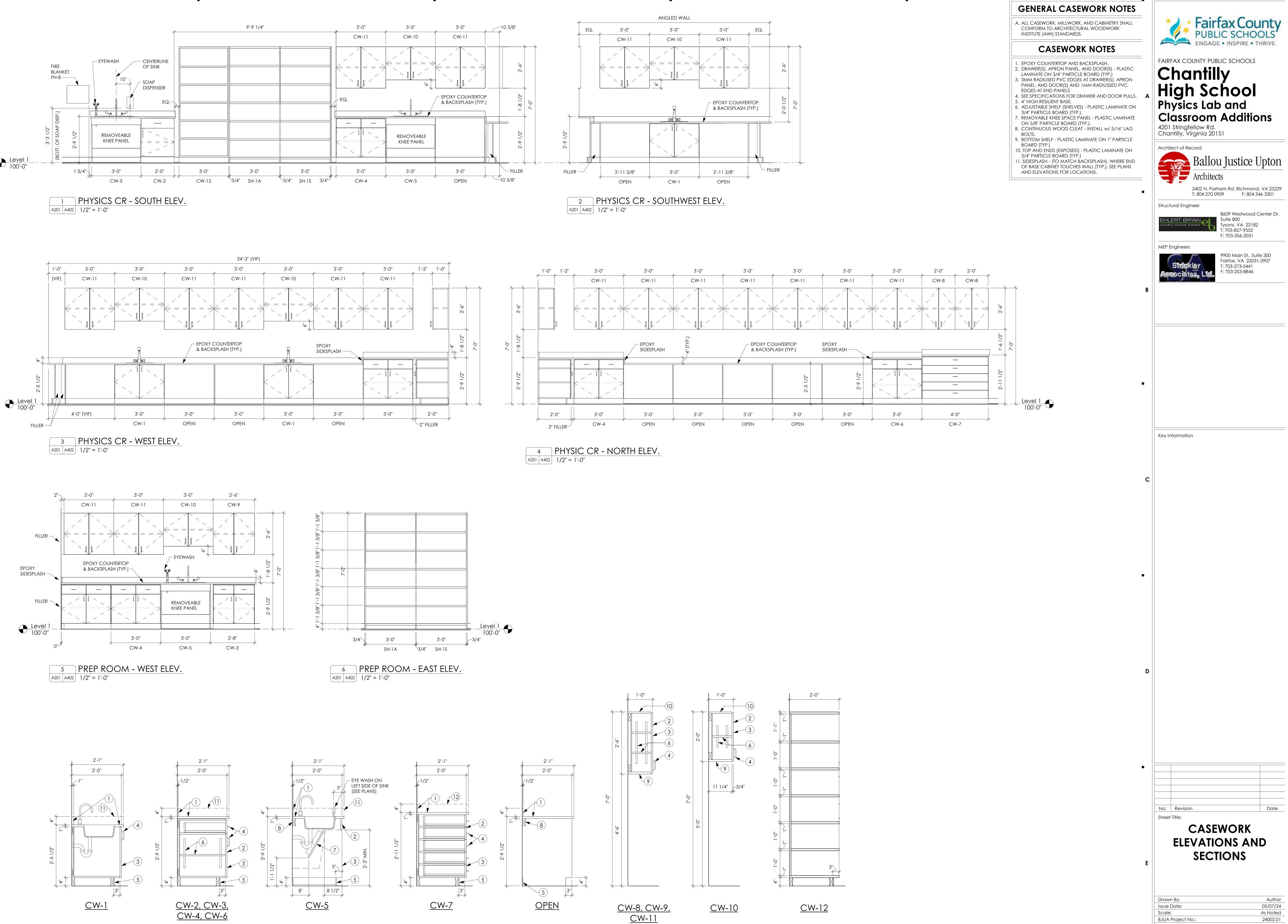


Fairfax County
PUBLIC SCHOOLS
ENGAGE • INSPIRE • THRIVE

FAIRFAX COUNTY PUBLIC SCHOOLS

GRAPHICSCALE

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



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

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

GRAPHIC

SCALE

BJUA Project No.: BID SET

CASEWORK

ELEVATIONS AND

SECTIONS

05/07/24

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

Suite 800

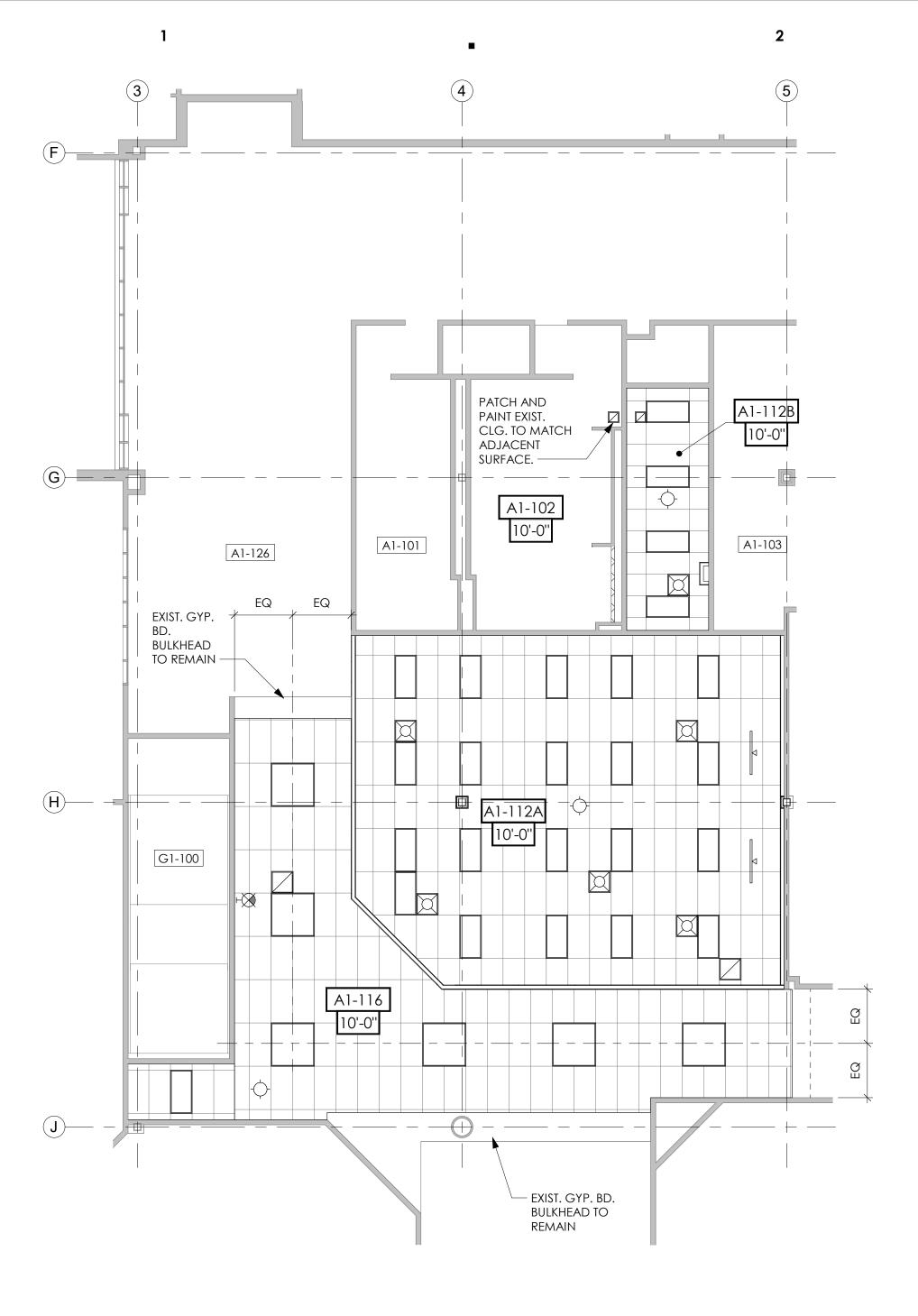
Tysons, VA 22182 T: 703-827-9552 F: 703-356-2031

9900 Main St., Suite 300 Fairfax, VA 22031-3907

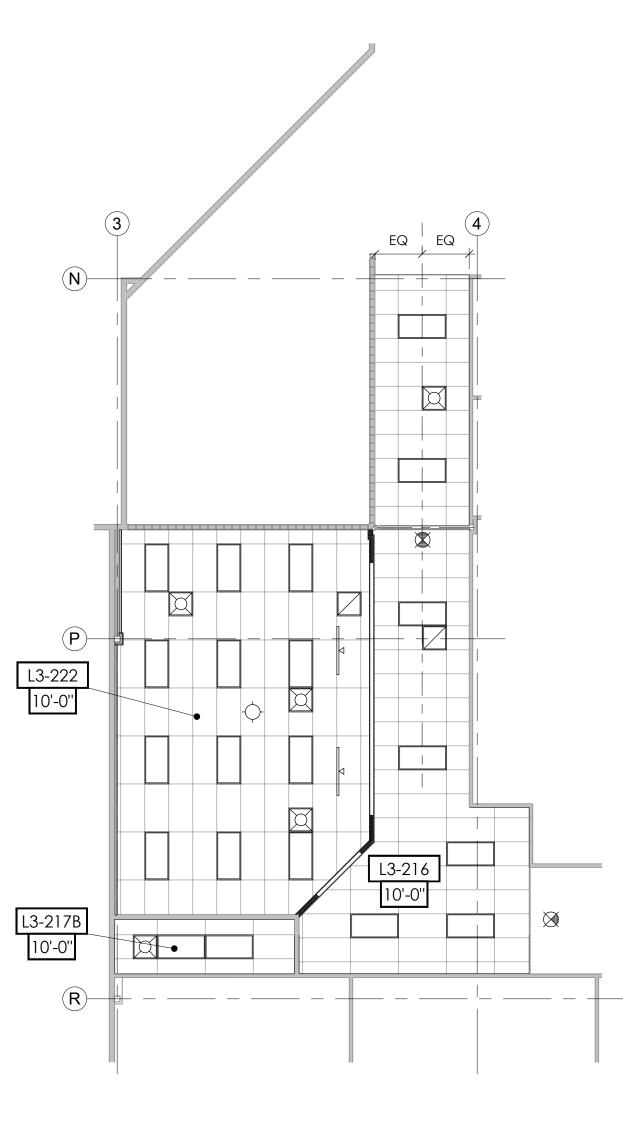
T: 703-273-5441

F: 703-253-8846

8609 Westwood Center Dr.



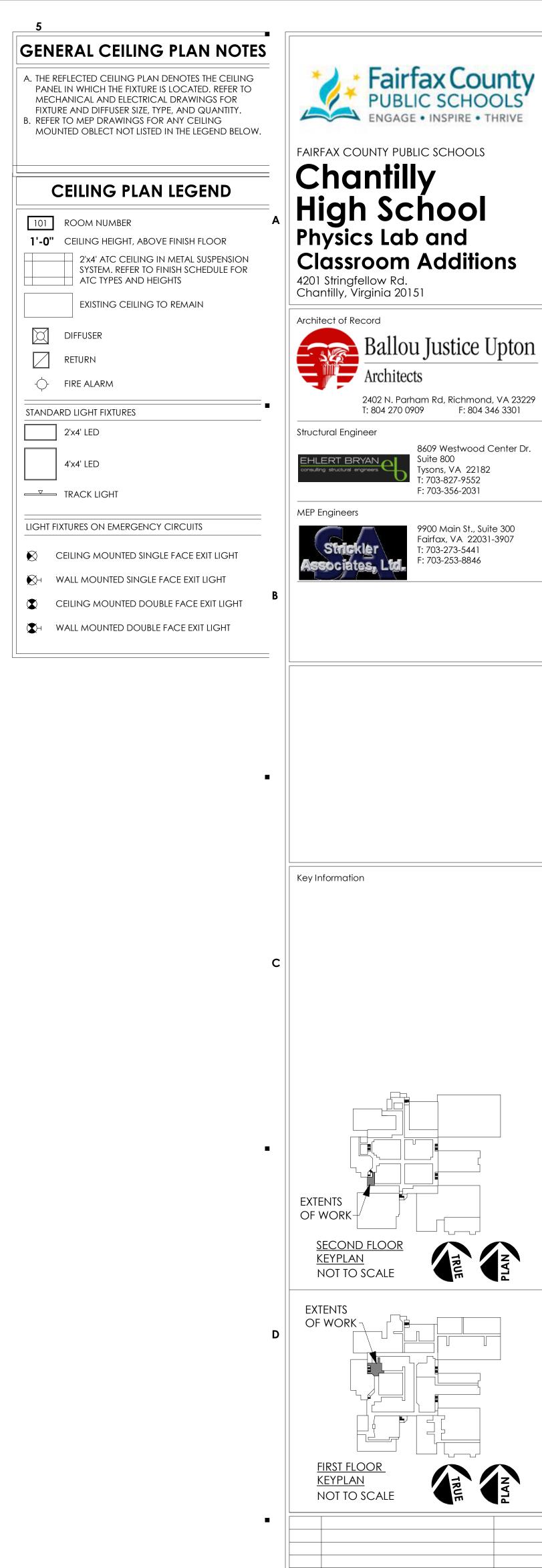




PARTIAL SECOND FLOOR UNIT L3

REFLECTED CEILING PLAN

A501 A501 1/8" = 1'-0"



PARTIAL CEILING

GRAPHICSCALE

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

STRUCTURAL NOTES

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 D698.

CONCRETE

A. CONCRETE SHALL ATTAIN THE FOLLOWING 28 DAY COMPRESSIVE STRENGTHS PER ASTM A39.

--SLAB-ON-GRAD

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

3,000 PSI

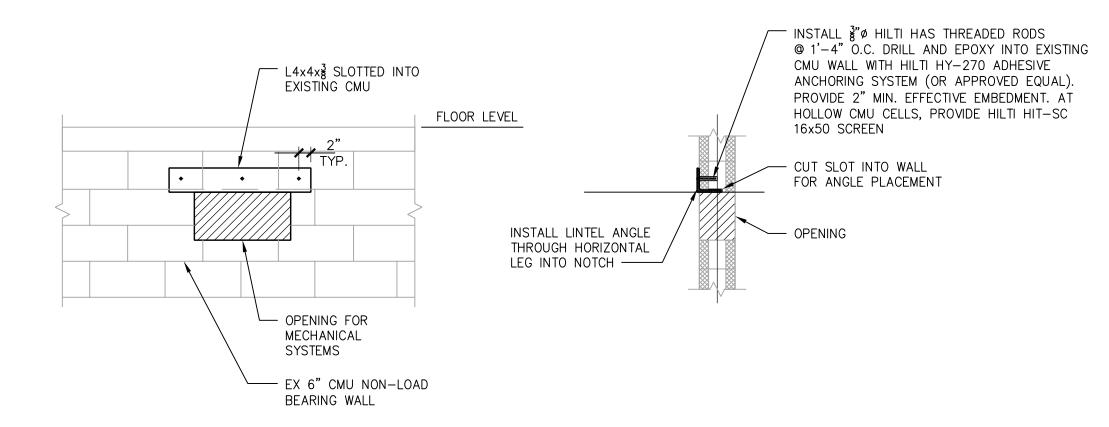
"SPECIFICATIONS FOR MASONRY STRUCTURES" TMS 602/ACI-530.1/ASCE 6, LATEST EDITIONS. B. MASONRY TO CONFORM TO THE FOLLOWING SPECIFICATIONS:

HOLLOW LOAD-BEARING C.M.U ASTM C90 CONCRETE BUILDING BRICK ASTM C55, GRADE A

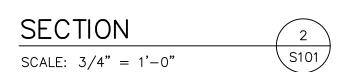
MORTAR ASTM C270, TYPE M OR S GROUT ASTM C476

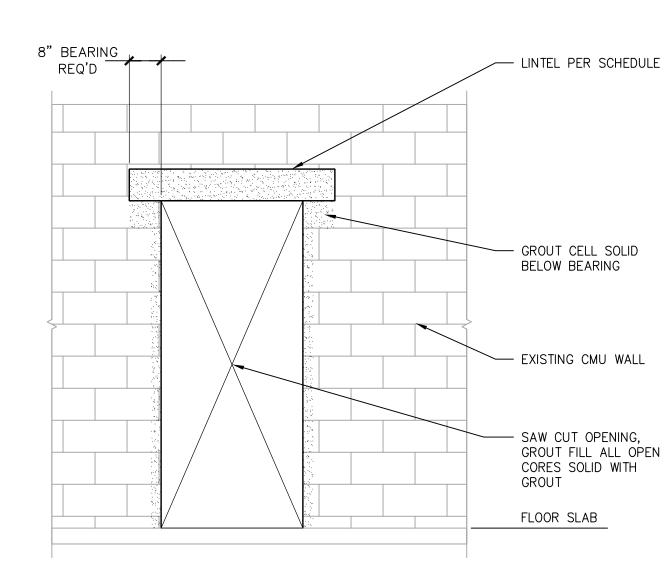
C. MASONRY ASSEMBLIES SHALL HAVE COMPRESSIVE STRENGTH (F'M) GREATER THAN OR EQUAL TO

D. PROVIDE CONTINUOUS HORIZONTAL JOINT REINFORCING IN MASONRY WALLS AT 16 INCHES O.C.

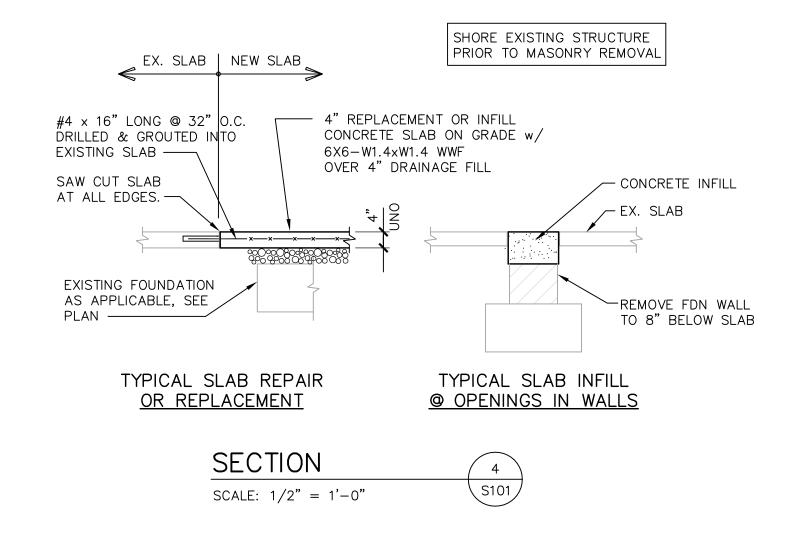


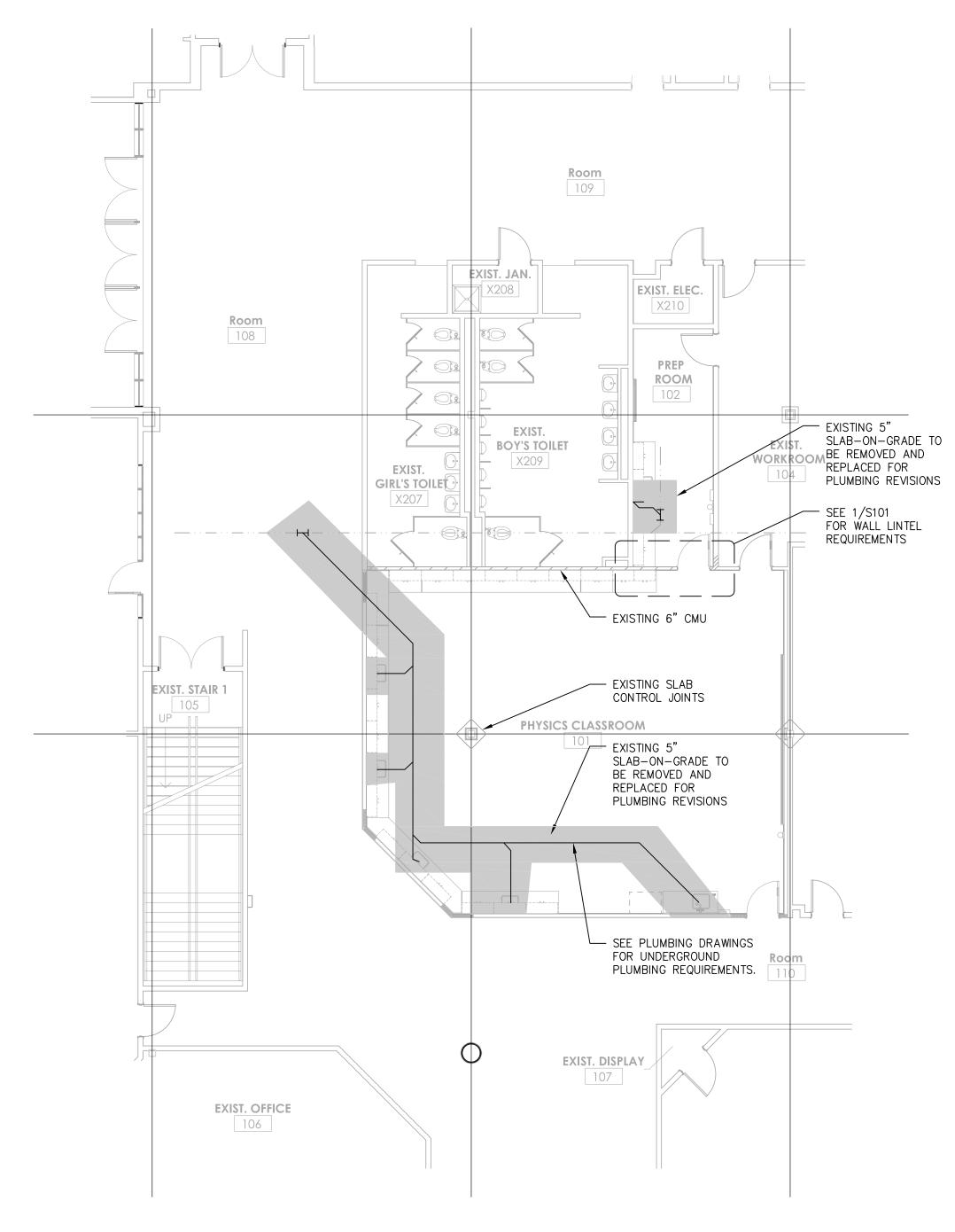
TYPICAL MECHANICAL OPENING UNDER 36 INCHES



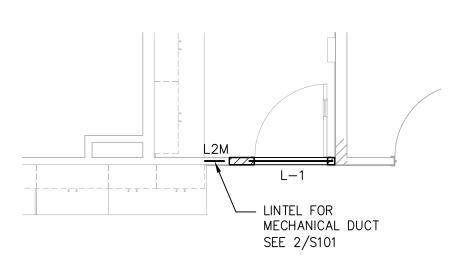


TYP. EXISTING MASONRY WALL OPENING





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



PARTIAL PLAN AT DOOR A1-112B $\frac{\text{S101}}{\text{SCALE}}$: 1/4" = 1'-0"

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.



Chantilly
High School
Physics Lab and
Classroom Additions

4201 Stringfellow Rd. Chantilly, Virginia 20151



Tysons, VA 22182

Fairfax, VA 22031-3907

T: 703-273-5441 L: śśś-śśś-śśś

T: 804 270 0909 F: 804 346 3301 EHLERT BRYAN consulting structural engineers Structural Engineer 8609 Westwood Center Drive, Suite 800

(703) 827-9552 Fax (703) 356-2031 www.ehlert-bryan.com MEP Engineers 9900 Main St., Suite 300

B | Civil Engineer

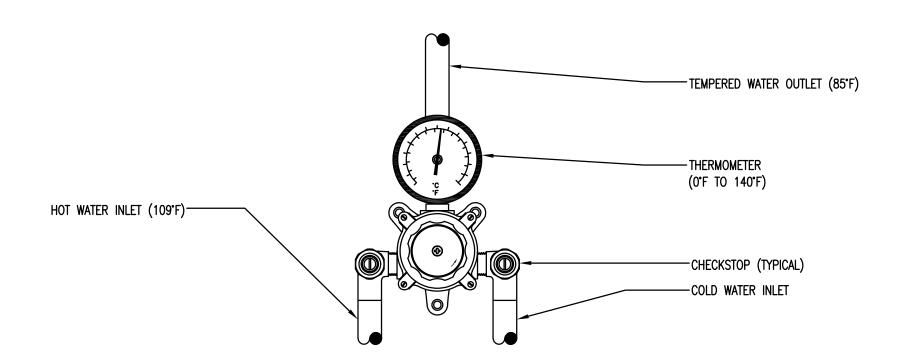
Key Information

<u>KEYPLAN</u> NOT TO SCALE

STRUCTURAL NOTES, PARTIAL PLANS AND **SECTIONS**

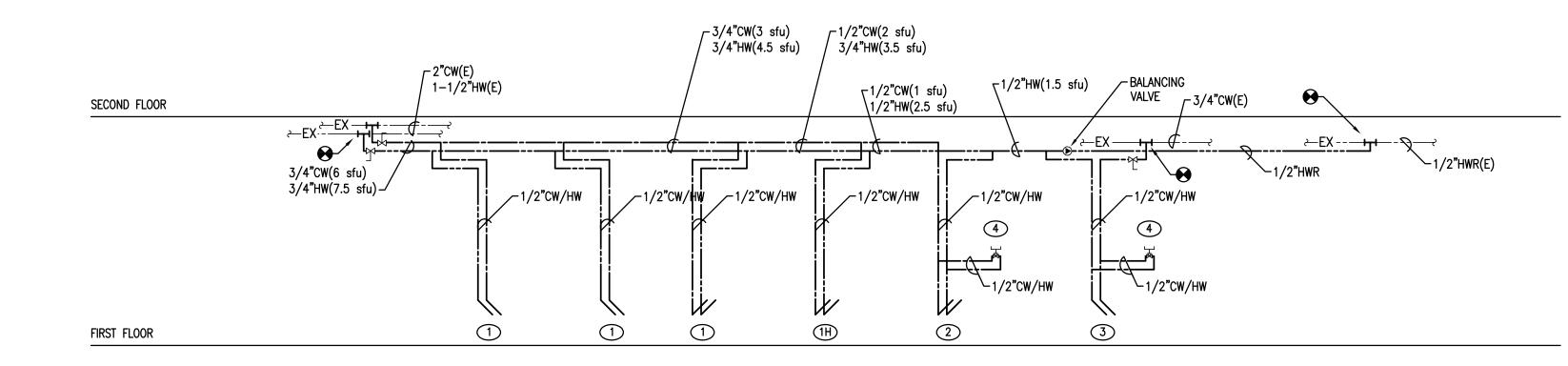
DT 5/07/24 Drawn By: Issue Date: As Noted 24002.01 BJUA Project No.:

BID SET

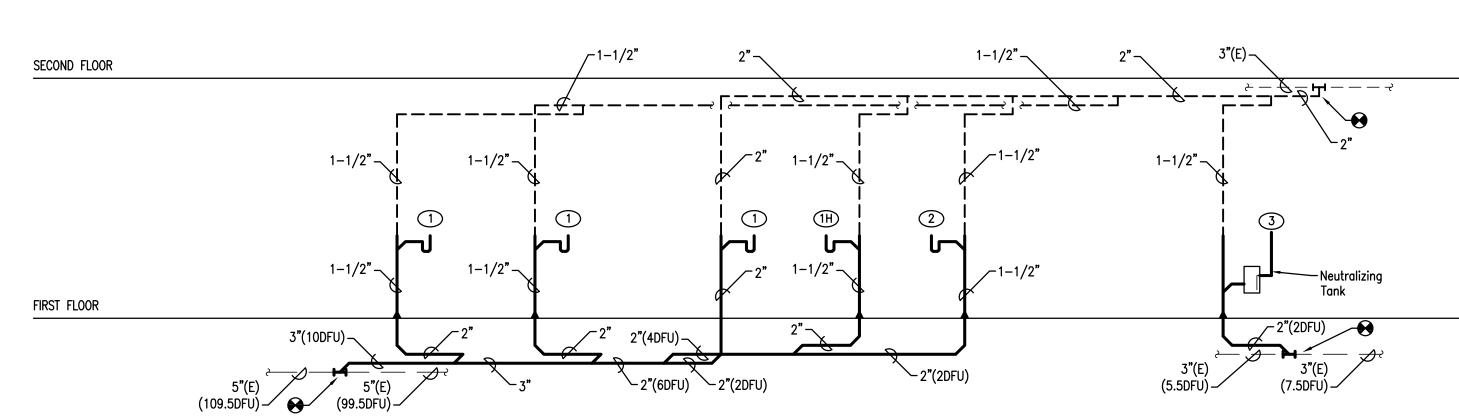


EMERGENCY EYE WASH TEMPERING VALVE DETAIL NOT TO SCALE

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

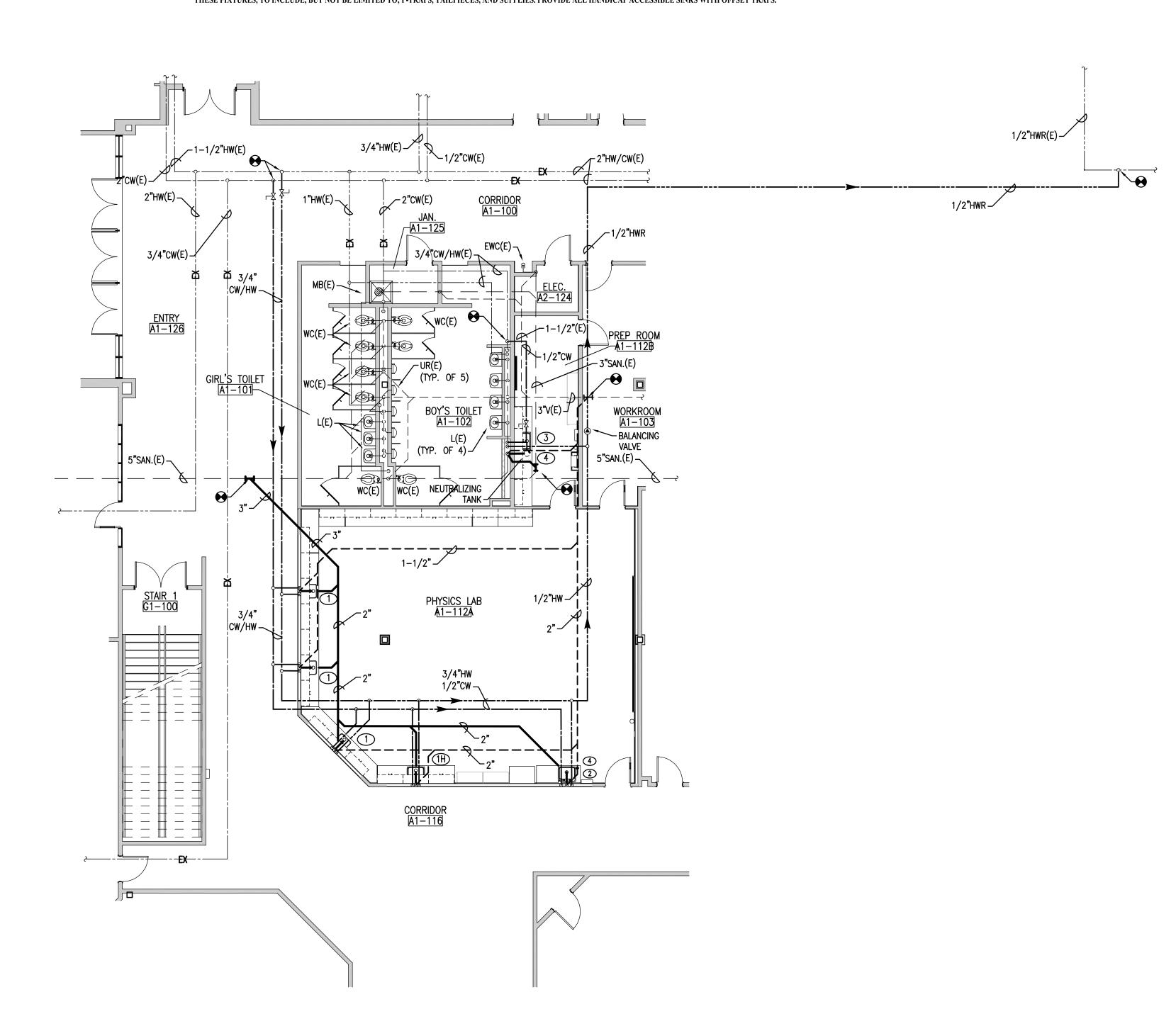


SANITARY AND VENT RISER DIAGRAM
NOT TO SCALE

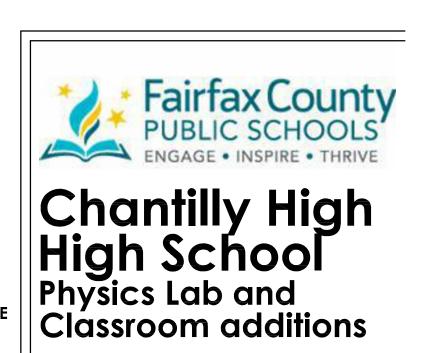
	I	PLUMBING SYM	BOLS AND ABBREVIAT	ΓIONS	
	EXISTING SOIL OR WASTE PIPE		HOT WATER SUPPLY PIPE (109 F)		PIPE INCREASER/REDUCER
	EXISTING STORM SEWER PIPE		HOT WATER RECIRCULATING PIPE (109 F)		POINT OF CONNECTION (NEW TO EXISTING)
	EXISTING VENT PIPE		RISER DOWN	(E), EXIST.	EXISTING TO REMAIN
EX	EXISTING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

	EQUIPMENT CONNECTION SCHEDULE								
ITEM	FIXTURE DESCRIPTION	TRAP	WASTE	VENT	CW	HW	COMMENTS - MOUNTING INSTRUCTIONS		
	STUDENT SCIENCE SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"			
1H	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.



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



4201 Stringfellow Rd, Chantilly, Virginia 20151



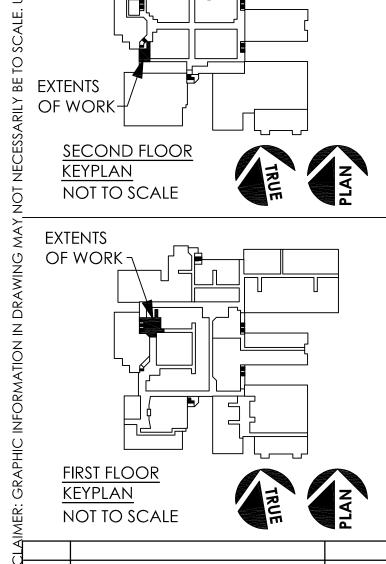
Structural Engineer

MEP Engineers
Strickler

9900 Main St., Suite 300 Fairfax, VA 22031-3907 T: 703-273-5441 F: 703-273-8846

Civil Engineer

Key Information



No: Revisions D
Sheet Title:

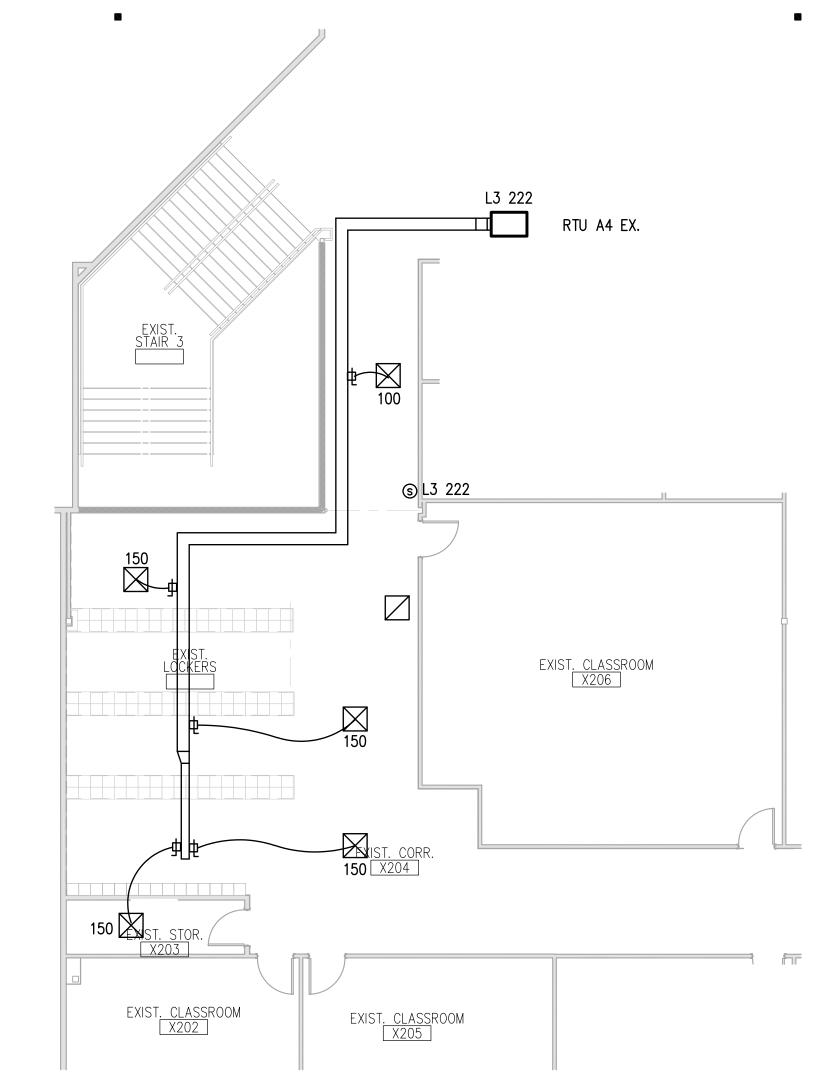
PLUMBING FLOOR PLAN, RISERS AND NOTES

Drawn By:

Issue Date: 5/7/
Scale: As Note
BJUA Project No.: 24002
Project No.: Ti

P-1

BID SFT



SECOND FLOOR PLAN - EXISTING

SPRINKLER NOTE

EQUIPMENT.

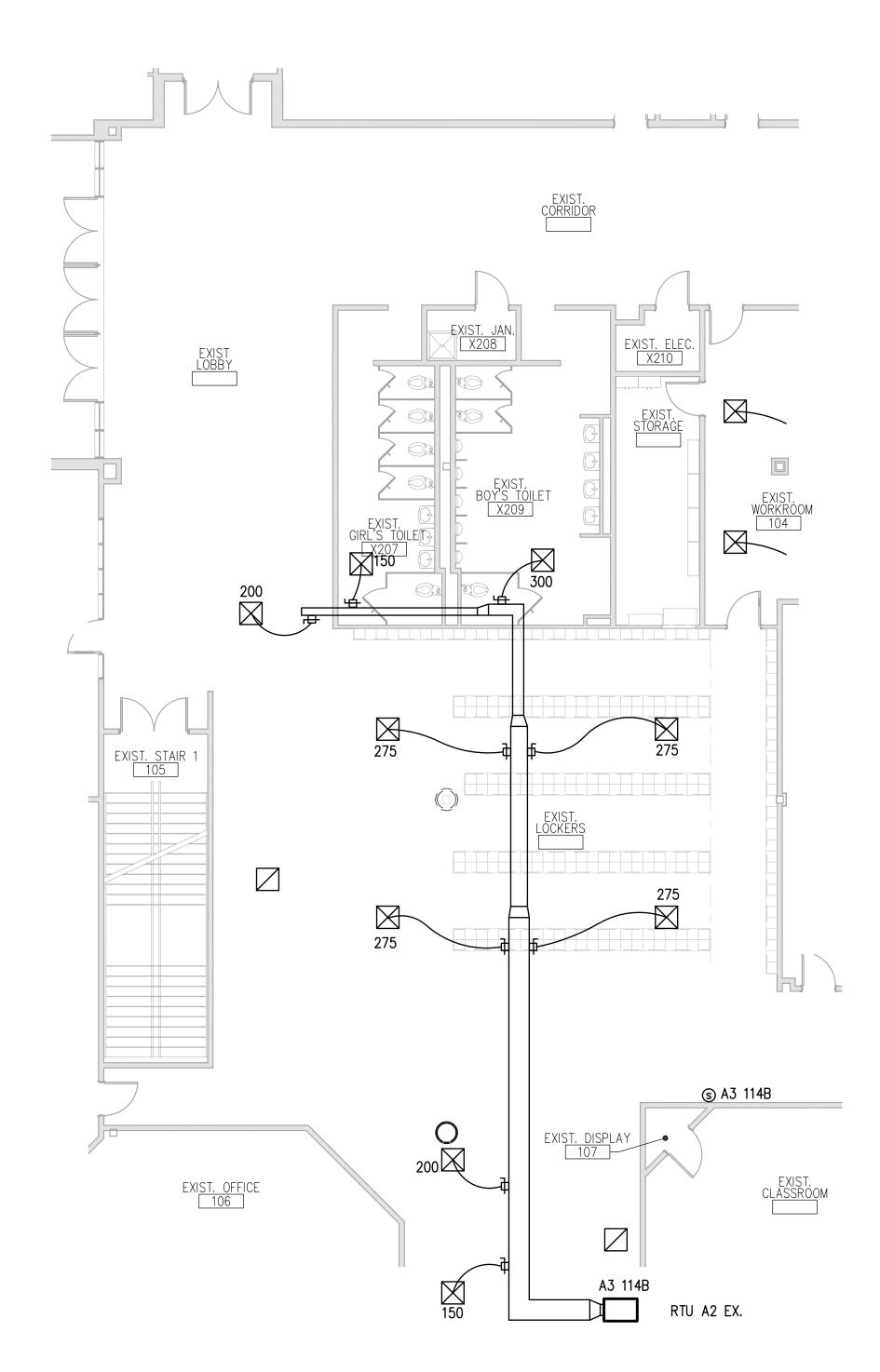
THE EXISTING SPRINKLER SYSTEM SHALL BE ALTERED TO PROVIDE

PROPER COVERAGE FOR ALL ARCHITECTURAL REVISIONS TO THE SPACE. CONNECT TO EXISTING PIPING TO PROVIDE ANY NEW REQUIRED

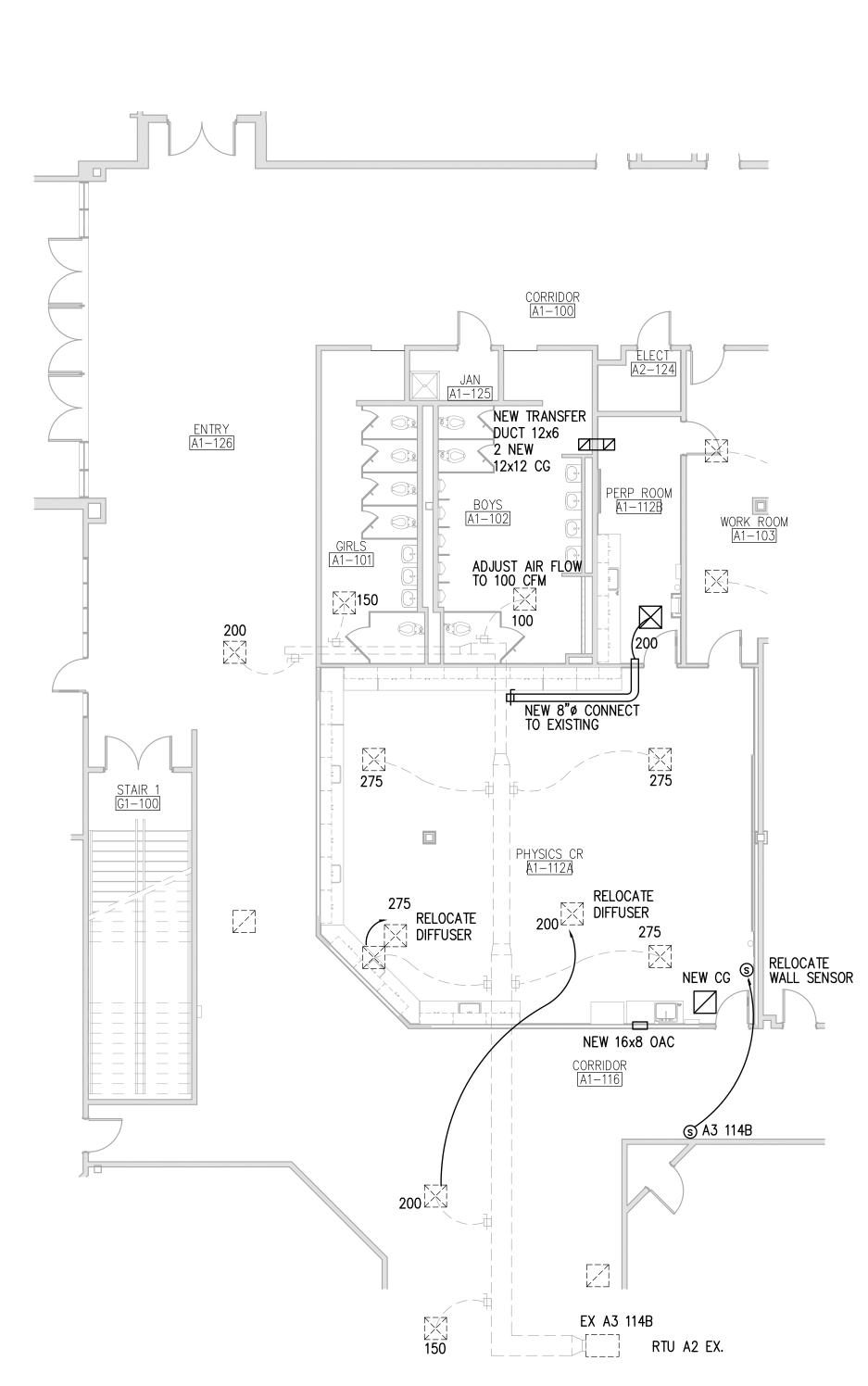
SPRINKLERS, AND RE-PIPE EXISTING SPRINKLERS TO MAINTAIN PROPER COVERAGE PER NFPA 13. ANY SPRINKLER LOCATION THAT NEEDS TO BE MOVED SHALL BE REPLACED WITH A NEW SPRINKLER THAT MATCHES THE EXISTING SPRINKLER IN DESIGN AND PERFORMANCE. SPRINKLERS SHALL

BE LOCATED NO CLOSER THAN 12" FROM THE CEILING GRID. COORDINATE SPRINKLER LOCATIONS WITH THE LIGHT FIXTURES AND HVAC

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



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



EX L3 222

100

RELOCATE DIFFUSER

RELOCATE DIFFUSER

CLASSROOM L3-218

SECOND FLOOR PLAN - NEW WORK

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

150

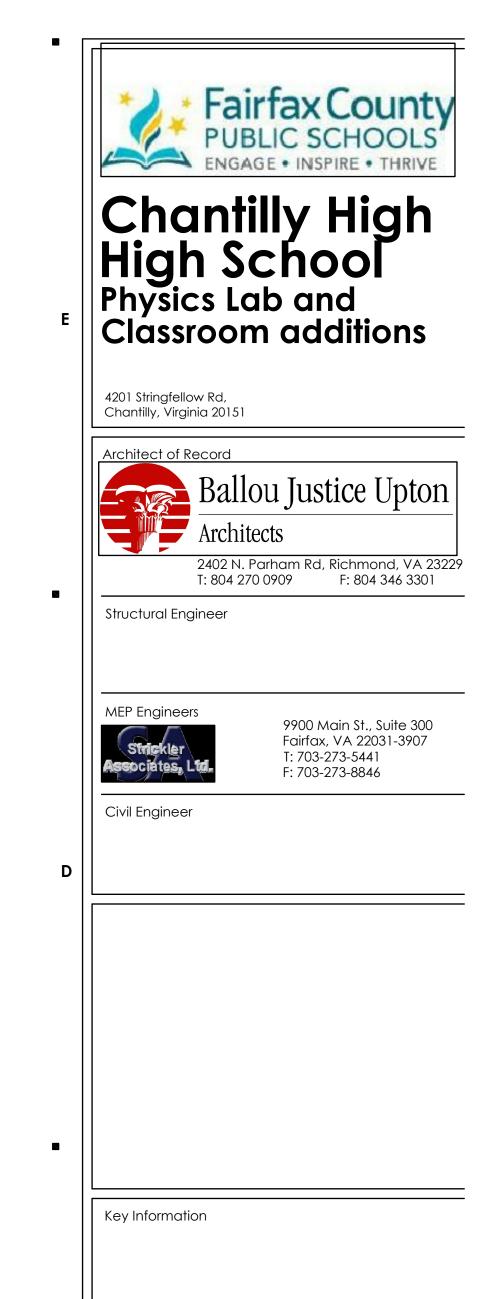
150 LA 3-217B

CLASSROOM L3-217A

RELOCATE WALL SENSOR © L3 222

RTU A4 EX.

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



EXTENTS

OF WORK-

OF WORK

NOT TO SCALE

FIRST FLOOR KEYPLAN NOT TO SCALE

No: Revisions
Sheet Title:

Drawn By: Issue Date:

Scale:
BJUA Project No.:
Project No.:
Sheet No.:

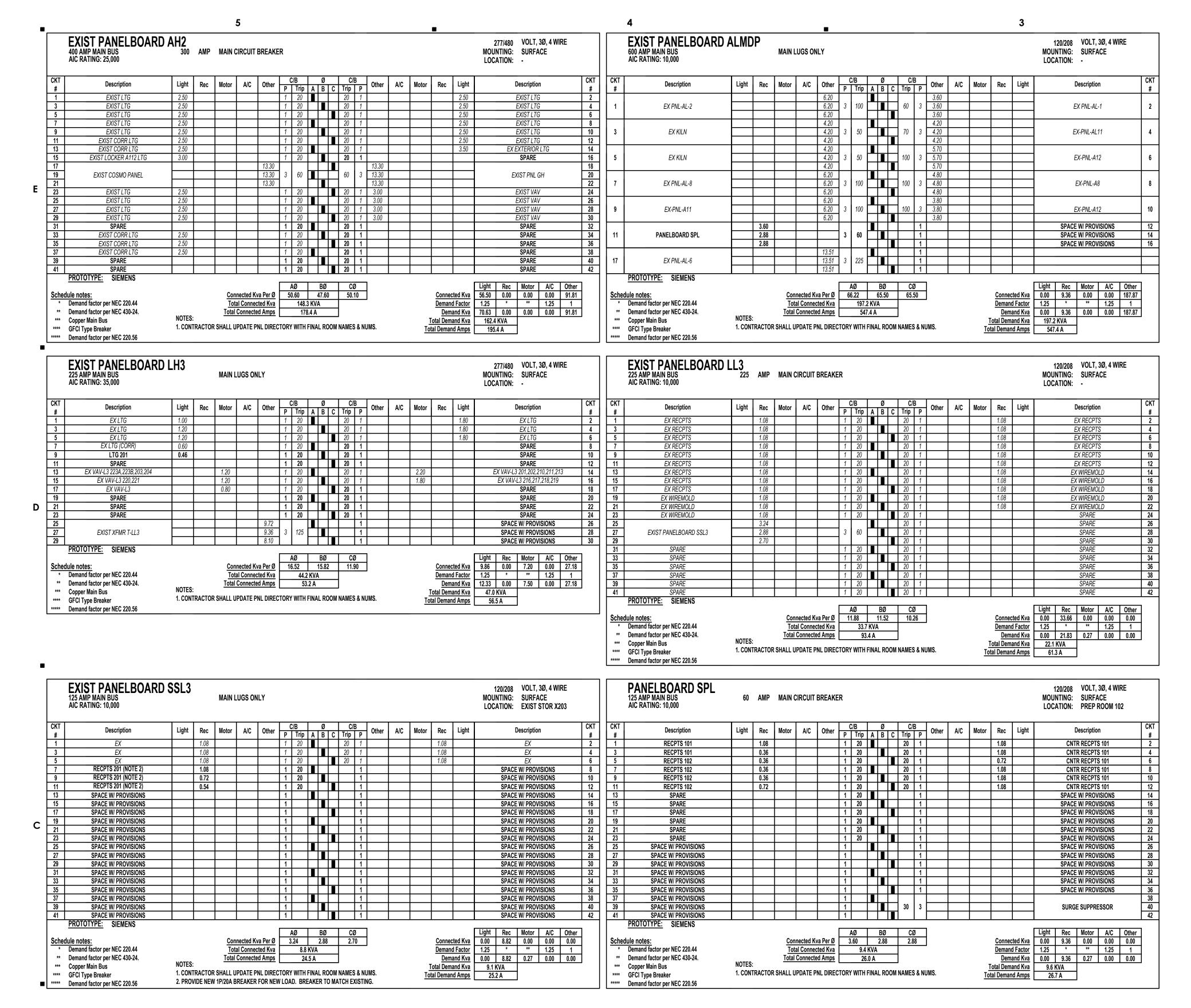
FIRE PROTECTION NOTE

FP M-1

BID SET

As Noted

MECHANICAL PLAN



-4 #4 & 1 #10 GROUND IN A 1" CONDUIT EXIST PANEL EXIST PANEL EXIST PANEL 'LL3' 'LH3' 'SSL3' 120/208V 277/480V 120/208V 3ø 4W 3ø 4W 3ø 4W 225A MCB 225A MCB 100A MLO SECOND FLOOR EXIST 4 #350 + 1 #4 GROUND IN A 3-1/2" CONDUIT _4 #4 & 1 #8 GROUND IN A 1-1/4" CONDUIT TO EXIST 300A BREAKER & NEW PANEL 'AH2' 'ALMDP' 277/480V 120/208V 120/208V 3ø 4W -FURNISH AND INSTALL A NEW 3ø 4W 3ø 4W 3P/60A BREAKER TO FEED NEW PANEL 'SPL'. NEW BREAKER TO MATCH EXISTING. 300A MCB 600A MLO 60A MCB EXIST 225KVA FIRST FLOOR

EXISTING POWER RISER DIAGRAM SCALE: NO SCALE

PREP ROOM 102

ELECTDICAL CVAAROLC

	<u>ELECTRICAL</u>	<u>SYMB</u>	<u>OLS</u>
0 0 Q N	LUMINAIRE, SEE LUMINAIRE SCHEDULE ON THIS DRAWING FOR	Ф	DUPLEX RECEPTACLE 2P, 3W, 20A, 125V (NEMA 5-20R) FLUSH MOUNTED AT 18" ABOVE FINISHED FLOOR OR AS NOTED. NUMERAL INDICATES CIRCUIT NUMBER FOR CONNECTION.
	MOUNTING INFORMATION.	φ ^s	DUPLEX RECEPTACLE 2P, 3W, 20A, 125V (NEMA 5-20R)SURFACE MOUNTED AT 18" ABOVE FINISHED FLOOR OR AS NOTED, NUMERAL INDICATES CIRCUIT NUMBER FOR CONNECTION. SEE 'VERTICAL SURFACE MOUNTED METAL RACEWAY DETAIL' ON DRAWING E301.
	LUMINAIRE ON EMERGENCY CIRCUIT. SEE LUMINAIRE SCHEDULE ON THIS DRAWING FOR MOUNTING INFORMATION.	#	DOUBLE DUPLEX RECEPTACLE 2-2P, 3W, 20A, 125V(NEMA 5-20R) WITH A SINGLE TWO GANG COVER PLATE FLUSH MOUNTED AT 18" ABOVE FINISHED FLOOR OR AS NOTED. NUMERAL INDICATES CIRCUIT NUMBER FOR CONNECTION.
∑	SINGLE FACE WALL MOUNTED EXIT LIGHT ON EMERGENCY CIRCUIT, DIRECTIONAL ARROWS AS INDICATED ON THE PLANS	Φ ^{GFI} S	GROUND FAULT CIRCUIT INTERRUPT DUPLEX RECEPTACLE 2P, 3W, 20A, 125V (NEMA 5-20R) SURFACE MOUNTED AT 18" ABOVE FINISHED FLOOR OR 6" ABOVE BACK SPLASH IF AT COUNTER LOCATION. NUMERAL INDICATES CIRCUIT NUMBER FOR CONNECTION. SEE 'VERTICAL SURFACE MOUNTED METAL RACEWAY DETAIL' ON DRAWING E301.
Ø	DOUBLE FACE CEILING MOUNTED EXIT LIGHT ON EMERGENCY CIRCUIT, DIRECTIONAL ARROWS AS INDICATED ON THE PLANS	B	DUPLEX RECEPTACLE 2P, 3W, 20A, 125V (NEMA 5-20R) SURFACE MOUNTED 6" ABOVE BACK SPLASH. NUMERAL
	CEILING OUTLET WITH RECESSED LOW VOLTAGE BATTERY POWERED EMERGENCY LIGHTING FIXTURE	Φ ^B _S	INDICATES CIRCUIT NUMBER FOR CONNECTION. SEE 'VERTICAL SURFACE MOUNTED METAL RACEWAY DETAIL' ON DRAWING E301.
<u> </u>	SURFACE MOUNTED TRACK LIGHTING UNIT WITH NUMBER AND TYPE LIGHTING FIXTURES AS SHOWN ON PLANS.	1	SURFACE MOUNTED VERTICAL POWER COLUMN, NUMBER INDICATES TYPE. SEE DETAIL(S) ON DRAWING E301.
<u> </u>	INDICATES TYPE OF LUMINAIRE IN INDICATED SPACE UNLESS NOTED OTHERWISE. SEE LUMINAIRE FIXTURE SCHEDULE.	Œ ^P	TEACHING WALL OUTLETS ASSEMBLY (INCLUDING CALLBACK SWITCH, RECEPTACLE/CABLE TV/TELECOMM OUTLET AND COMBINATION RECEPTACLE/MULTIMEDIA TRANSMITTER OUTLET), SEE 'TEACHING WALL DEVICE LAYOUT WITH CEILING MOUNTED PROJECTOR DETAIL' ON DRAWING E301.
220	LIGHTING CONTROL OCCUPANCY SENSOR (360°), CEILING MOUNTED. 'P' SUBSCRIPT DENOTES POWER PACK. LOWERCASE SUBSCRIPT(S) DENOTES SWITCH SYSTEM(S) CONTROLLED. 'H' SUBSCRIPT DENOTES HIGH HUMIDITY OPTION.	<u></u>	JUNCTION BOX LOCATED ABOVE CEILING OR FLUSH MOUNTED.
→N _a	NETWORKED LIGHTING CONTROL OCCUPANCY SENSOR (nLIGHT), EXTENDED RANGE, CEILING MOUNTED. SEE 'TYPICAL OCCUPANCY SENSOR TO LUMINAIRE(S) WIRING DETAIL' ON DRAWING E301. REFER TO SPECIFICATION SECTION 16500.	PNL-XXX	BRANCH CIRCUIT TYPE PANEL BOARD. 'XXX" INDICATES PANEL DESIGNATION.
•	LOWERCASE SUBSCRIPT(S) DENOTES SWITCH SYSTEM(S) CONTROLLED. DIGITAL LIGHT SWITCH MOUNTED 4'-0" AFF OR AS NOTED,	∇	DATA ONLY OUTLET (TWO RJ-45) FLUSH MOUNTED AT 18" ABOVE FINISHED FLOOR OR AS NOTED. SEE 'TYPICAL DATA ONLY (TWO) OUTLETS DETAIL' ON DRAWING E302.
DS1	ACUITY BRANDS CAT. #nPODM DX XX. FOR SURFACE MOUNTED SWITCH SEE 'SURFACE MOUNTED TOGGLE SWITCH DETAIL' ON DRAWING E301. LOWERCASE SUBSCRIPT DENOTES SWITCH SYSTEM CONTROLLED.	√B	DATA ONLY OUTLET (TWO RJ-45) FLUSH MOUNTED AT 6" ABOVE BACKSPLASH. SEE 'TYPICAL DATA ONLY (TWO) OUTLETS DETAIL' ON DRAWING E302.
DS4	DIGITAL LIGHT SWITCH MOUNTED 4'-0" AFF OR AS NOTED, ACUITY BRANDS CAT. #nPODM XX. FOR SURFACE MOUNTED SWITCH SEE 'SURFACE MOUNTED TOGGLE SWITCH DETAIL' ON DRAWING E301. LOWERCASE SUBSCRIPT DENOTES SWITCH SYSTEM CONTROLLED.	•	TELECOMMUNICATIONS WIRELESS ACCESS POINT OUTLET FLUSH MOUNTED IN CEILING. SEE 'CEILING FLUSH MOUNTED WIRELESS ACCESS POINT OUTLET DETAIL' ON DRAWING E301.
S	SINGLE POLE FLUSH TOGGLE SWITCH MOUNTED 4'-0" ABOVE FINISHED FLOOR OR AS NOTED. FOR SURFACE MOUNTED SWITCH SEE 'SURFACE MOUNTED TOGGLE SWITCH DETAIL' ON DRAWING E301. LOWERCASE SUBSCRIPT DENOTES SWITCH SYSTEM CONTROLLED.	- → cd	FLUSH CEILING MOUNTED FIRE ALARM AUDIO/VISUAL DEVICE WITH CANDELA INTENSITY AS INDICATED ON THE DRAWINGS.
-	VERTICAL SURFACE METAL RACEWAY WITH 2 No. 12 AWG AND 1 No. 12 AWG GROUND. SEE 'VERTICAL SURFACE MOUNTED	V	FLUSH CEILING MOUNTED FIRE ALARM VISUAL ONLY DEVICE WITH CANDELA INTENSITY AS INDICATED ON THE DRAWINGS.
-	METAL RACEWAY DETAIL' ON DRAWING E301. VERTICAL DROP TO HORIZONTAL RUN OF SURFACE METAL RACEWAY TO A DEVICE WITH 2 No. 12 AWG AND 1 No. 12 AWG GROUND. SEE 'VERTICAL SURFACE MOUNTED METAL RACEWAY DETAIL' ON DRAWING E301.	⊘ ^{cd}	WALL MOUNTED FIRE ALARM VISUAL ONLY DEVICE WITH CANDELA INTENSITY AS INDICATED ON THE DRAWINGS. FLUSH MOUNTED AT MINIMUM 7'-6" TO TOP OF DEVICE ABOVE FINISHED FLOOR AND NO LESS THAN 6" BELOW OR AS NOTED. WG=WIRE GUARD
	SURFACE METAL RACEWAY FOR CLASSROOM COMPUTER WORKSTATION. SEE 'COMPUTER SURFACE RACEWAY ASSEMBLY DETAIL' ON DRAWING E302.	MR	COMBINATION MULTIMEDIA RECEIVER OUTLET, RECEPTACLE AND SINGLE DATA OUTLET (ONE RJ-45), FLUSH CEILING MOUNTED. SEE 'TYPICAL CEILING MOUNTED MULTIMEDIA INSTALLATION DETAIL' ON DRAWING E302.
Ф	WIRELESS TYPE CLOCK AND CLOCK HANGER RECEPTACLE, 2P, 3W, 15A, 125V (NEMA 5-15R) FLUSH MOUNTED AT 7'-5" ABOVE FINISHED FLOOR OR AS NOTED OR AS REQUIRED TO COORDINATE CLOCK MOUNTING WITH FURNISHINGS, DOOR FRAMES, ETC. ON EXISTING WALLS CONTRACTOR SHALL FISH AND/OR CHANNEL WALL TO FEED FLUSH MOUNTED BACK BOX. WG=WIRE GUARD	\(\sigma\)\(\zeta\)	FLUSH CEILING MOUNTED SPEAKER ASSEMBLY INSTALLED IN GRID CEILING, CONNECTED TO BUILDING SOUND SYSTEM. SEE SPECIFICATIONS FOR MOUNTING REQUIREMENTS. SUBSCRIPT INDICATES ZONE NUMBER.
			CEILING MOUNTED CCTV CAMERA. SEE SPECIFICATION SECTION 16626. FOR MOUNTING, MODEL NUMBER AND PARTS, REFER TO

DRAWING INDEX

E001 ELECTRICAL SHEET LIST, SYMBOL LEGEND AND ABBREVIATIONS E101 FIRST AND SECOND FLOOR PLANS - DEMOLITION E201 FIRST AND SECOND FLOOR PLANS — ELECTRICAL E301 ELECTRICAL DETAILS E302 ELECTRICAL DETAILS

ABBREVIATIONS ABOVE FINISHED FLOOR AIR HANDLING UNIT AMERICAN WIRE GAUGE CONDUIT CABLE TELEVISION CIRCUIT BREAKER CEILING EXHAUST FAN CIRCUIT CLASSROOM COMPANY DOUBLE FACE DIVISION DOWN DRAWING EMPTY CONDUIT ELECTRIC EXHAUST FAN **EMERGENCY** EXISTING TO REMAIN EXISTING FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM CONTROL PANEL FIRE ALARM EXTENDER PANEL FOOT CANDLE FAN COIL UNIT FULL LOAD AMPS FLOOR FUSIBLE SAFETY SWITCH GROUND HORSEPOWER INITIATING DEVICE CIRCUIT (FA) JUNCTION BOX MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER MAIN DISTRIBUTION EQUIPMENT LOCATION MECHANICAL MISCELLANEOUS MOUNTING HEIGHT MAIN LUGS ONLY MAIN SWITCH MOUNTING NEUTRAL NOTIFICATION APPLIANCE CIRCUIT (FA)

NATIONAL ELECTRICAL CODE

NON-OCCUPIED SPACE

POLYVINYL CHLORIDE

REMOTE CONTROL SWITCH

RELOCATE EXISTING EQUIPMENT

SECURITY INTRUSION SYSTEM

UNLESS OTHERWISE NOTED

SUB-DISTRIBUTION EQUIPMENT LOCATION

Number

SECT

ON CENTER

SWITCHBOARD

TELEPHONE

UNIT HEATER

UNIT VENTILATORS

TYPICAL

VOLTS

WATTS

WALL FAN

WIRE GUARD

WEATHER PROOF

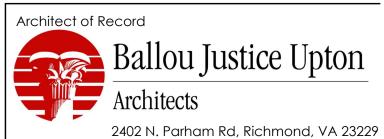
TELECOMMUNICATIONS

NON-FUSIBLE SAFETY SWITCH

ENGAGE • INSPIRE • THRIVE

Chantilly High High School Physics Lab and Classroom additions

4201 Stringfellow Rd, Chantilly, Virginia 20151



T: 804 270 0909 F: 804 346 3301 Structural Engineer

MEP Engineers 9900 Main St., Suite 300 Fairfax, VA 22031-3907 T: 703-273-5441 F: 703-273-8846

Civil Engineer

Key Information

GENERAL NOTES

IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONAL ELECTRIC SYSTEM. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, TEST AND OTHER SERVICES AS MAY BE NECESSARY TO ACHIEVE THIS PRODUCT. THE CONTRACTOR SHALL ACKNOWLEDGE ACCEPTANCE OF THE PLANS AS AN ADEQUATE DEFINITION OF THE SCOPE OF WORK, AND EXTRA COST CLAIMS BASED ON DISCREPANCIES ON THE PLANS WILL NOT BE CONSIDERED.

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES APPLICABLE EDITIONS.
- CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMISSION OF BID AND VERIFY EXISTING CONDITIONS WHICH MAY AFFECT HIS BID.

SHALL BE NEW UNLESS NOTED OTHERWISE AND SHALL MEET NEMA STANDARDS AND BEAR THE U.L.

- CONTRACTOR IS RESPONSIBLE FOR FILING AND OBTAINING NECESSARY PERMITS AND CERTIFICATES ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO CONDUIT, WIRE, BOXES, FITTINGS,
- THE ELECTRICAL SYSTEM SHOWN ON DRAWINGS IS ONLY DIAGRAMMATICAL AND SHALL BE COORDINATED WITH OTHER TRADES. ALL ITEMS SHALL BE INSTALLED TO MAKE THE SYSTEM
- COMPLETE AND IN SAFE WORKING ORDER. ALL CONDUCTORS, RACEWAYS AND CABLES SHALL BE CONCEALED IN CEILING OR WALL UNLESS

INDICATED OTHERWISE.

- CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE 8 FOR CORRECTLY PHASING THE CIRCUITS IN THE PANEL AND BALANCING THE LOAD ON THE PHASES UNDER NORMAL OPERATING CONDITIONS.
- ALL CONDUCTORS SHALL BE COPPER, TYPE THWN, MINIMUM #12 A.W.G., IN 3/4" EMT CONDUIT
- THE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE
- NATIONAL ELECTRICAL CODE. CONDUIT RUNS ARE SHOWN SCHEMATICALLY. BUILDING CONDITIONS WILL DETERMINE THE ACTUAL
- CONDUIT RUN. 12 COLOR CODE AND IDENTIFY ALL WIRES.

CCTV CAMERA SCHEDULE.

- THE CONTRACTOR SHALL RESTORE ALL AREAS AND SYSTEMS DISTURBED BY HIS WORK TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
- ALL BRANCH CIRCUITS FOR 120V SYSTEMS 100 FEET OR LONGER SHALL BE A MINIMUM OF #10

YEAR, INCLUDING EXISTING EQUIPMENT AND DEVICES THAT THE CONTRACTOR INTENDS TO USE.

- 15 MC' MAY BE USED FOR CIRCUITS AS ALLOWED BY NATIONAL CODE
- ALL WORK AND MATERIAL SHALL BE GUARANTEED FREE FROM DEFECTS FOR A PERIOD OF ONE

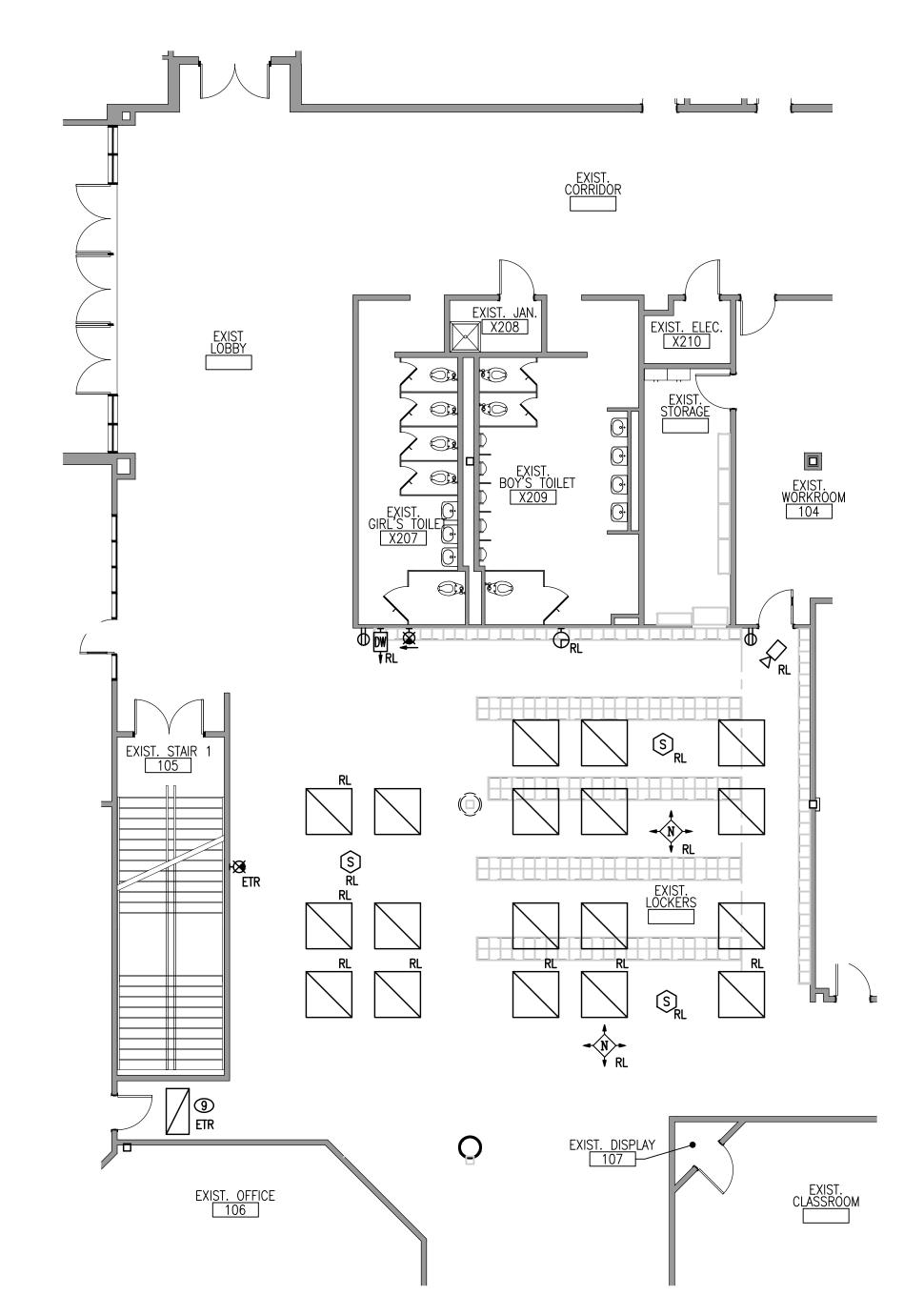
LUMINAIRE SCHEDULE

TYPE	MANUEACTURER	CATALOG NO.		LAMPS		VOLTS	MOUNTING	REMARKS			
ITPE	MANUFACTURER	CATALUG NU.	NO.	TYPE	WATTS	VULIS	MOUNTING	KEWAKAS			
	COLUMBIA	LCAT24-40MWG-EDU									
	DAY-BRITE	CFS24-GPG38L-40UDZT						2x4 "COFFER"			
1C	LITHONIA	2BLT4-40L-ADP-EZ1-LP840	1	LED	32	120/277	RECESSED	REFRACTORS OVER LED			
	METALUX	24CZ2-40-UNV-L840-CD1-U						0 TO 10V DIMMING			
	H.E. WILLIAMS	LT-24-L43/840-AF-DIM-UNV									
3C -	HALO	(1) L2G-805-LRG-WW-8-40-P-277 COMPLETE W/ (1) L651P-L901P		LED	38	277	SURFACE Track Light/	REFER SPEC 16512-3.01.B FOR ADDITIONAL INSTALLATION REQUIREMENTS. EACH TRACK SHALL BE			
³└	JUNO	(1) T258L-HTEK-G2-40K-80CRI-OFF-WH COMPLETE W/ (1) HTEK4-4FT-WH With HTEK11/12-WH	7 '	LED	30	211	TRACK LIGHT/	4' LONG, WITH 1 TRACK.			
		TEK41-WH END FEED					INAUN	4 LONG, WITH I TRACK.			
_	COLUMBIA	LJT24-40LWG-FSA19-EDU									
6C -	LITHONIA	2GTL4-48L-FW-A19-EZ1-LP840	- 1	LED	42	277	RECESSED	2x4 A19 LENS			
· · ·	METALUX	24GR-LD5-48-A19/156-UNV-L840-CD1 50G-S24-L59/840(L48)-S-AF19156-DIM-UNV	-					0 TO 10V DIMMING			
+	H.E. WILLIAMS CHLORIDE	55L-3-W-R (WIRE GUARDS AS SHOWN)	-		-						
H	DUAL-LITE	SESRWN (WIRE GUARDS AS SHOWN)		┥	1	4					
	LIGHTALARMS	XDAWRA (WIRE GUARDS AS SHOWN)									
41A -	LIGHTOLIER	CE-1-RW-W (WIRE GUARDS AS SHOWN)	1	LED	4	120/277	CEILING OR WALL	EXIT LIGHT (SINGLE FACE)			
	LITHONIA	LE-S W-1-R-120/277 (WIRE GUARDS AS SHOWN)	-								
H	SURE-LITES	CX61RW W/BRUSHED ALUM. FACE (WIRE GUARDS AS SHOWN)	-								
+	CHLORIDE	55L-3-W-R			+						
	DUAL-LITE	SEDRWN	-								
F	LIGHTALARMS	2XDAWRA	-								
43A -	LIGHTOLIER	CE-2-RW-W	− 1	LED	4	120/277	CEILING OR WALL	EXIT LIGHT (DOUBLE FACE)			
F	LITHONIA	LE-S-W-2-R 120/277									
	SURE-LITES	CX62RW W/BRUSHED ALUM. FACE	7								
	CHLORIDE	CLU-N-W			†						
	EMERGI-LITE	PR20NC-2-LA-CM	7								
44B	LIGHTALARMS	2RD6C2	1	LED	19	120/277	RECESSED	BATT. LIGHT (CEILING MOUNT)			
	LITHONIA	ELM6L-UVOLT-LTP						, , ,			
1	MIII F	REI -6-12-2	1								

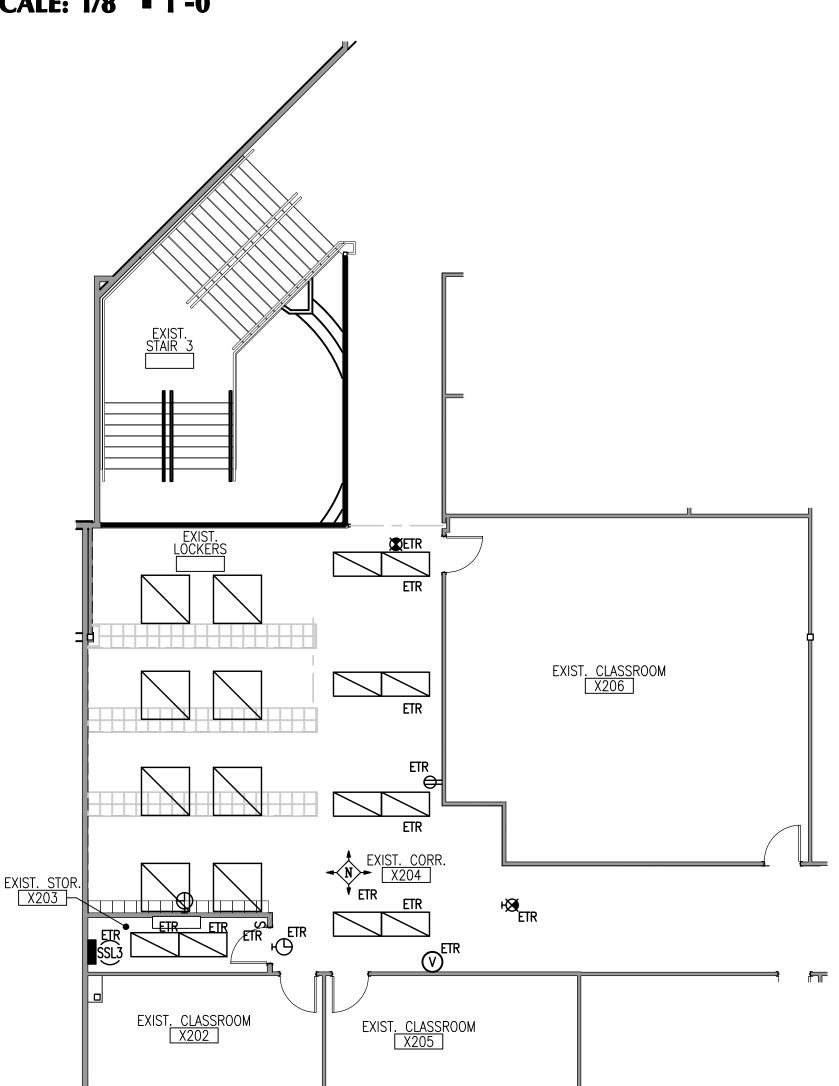
ELECTRICAL NOTES, SYMBOLS AND **SCHEDULES**

Drawn By:	
Issue Date:	5/7/24
Scale:	As Noted
BJUA Project No.:	24002.01
Project No.:	TBD
Sheet No.:	
E00	1

PLOTTED: 4/25/2024 2:28 PM, PLOTTER: DWG To PDF.pc3 SAVED: 4/25/2024 2:25 PM, SAVED BY: Patrick, PLOTTED BY: Patrick Starkey



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



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

DEMOLITION NOTES

- 1 UNLESS OTHERWISE NOTED, ALL ELECTRICAL MATERIALS AND EQUIPMENT SHOWN OR NOT SHOWN ON THIS PLAN ARE EXISTING AND SHALL BE REMOVED.
- THIS CONTRACTOR SHALL REMOVE ALL SURFACE METAL RACEWAYS, CONDUITS, CABLE, WIRING, ETC., INCLUDING DEVICES EXPOSED AND ABOVE CEILING.
- 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.
- 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.
- THEY SHALL BE REMOVED WHEN WORK IS COMPLETED.

 THIS CONTRACTOR SHALL REMOVE ALL EXISTING UNUSED CONDUITS IN EXPOSED AREAS AND ABOVE ACCESSIBLE CEILING SPACES. CAP ALL UNUSED EXISTING CONDUIT STUBS.
- 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.

THIS CONTRACTOR SHALL DISCONNECT, REMOVE, CLEAN AND RELAMP FIXTURE TO BE REINSTALLED AFTER NEW CEILING HAS BEEN INSTALLED.



4201 Stringfellow Rd, Chantilly, Virginia 20151



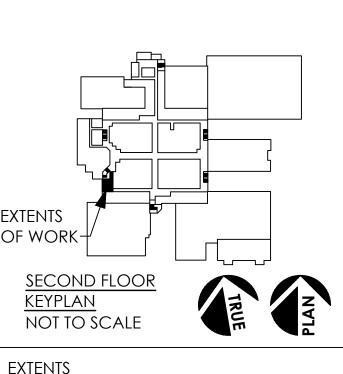
Structural Engineer

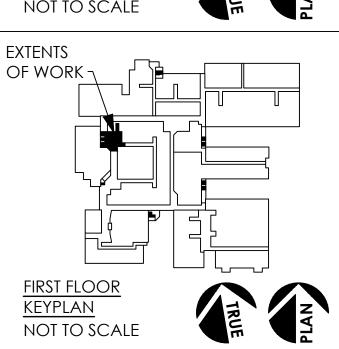
MEP Engineers

9900 Main St., Suite 300 Fairfax, VA 22031-3907 T: 703-273-5441 F: 703-273-8846

Civil Engineer

Key Informat

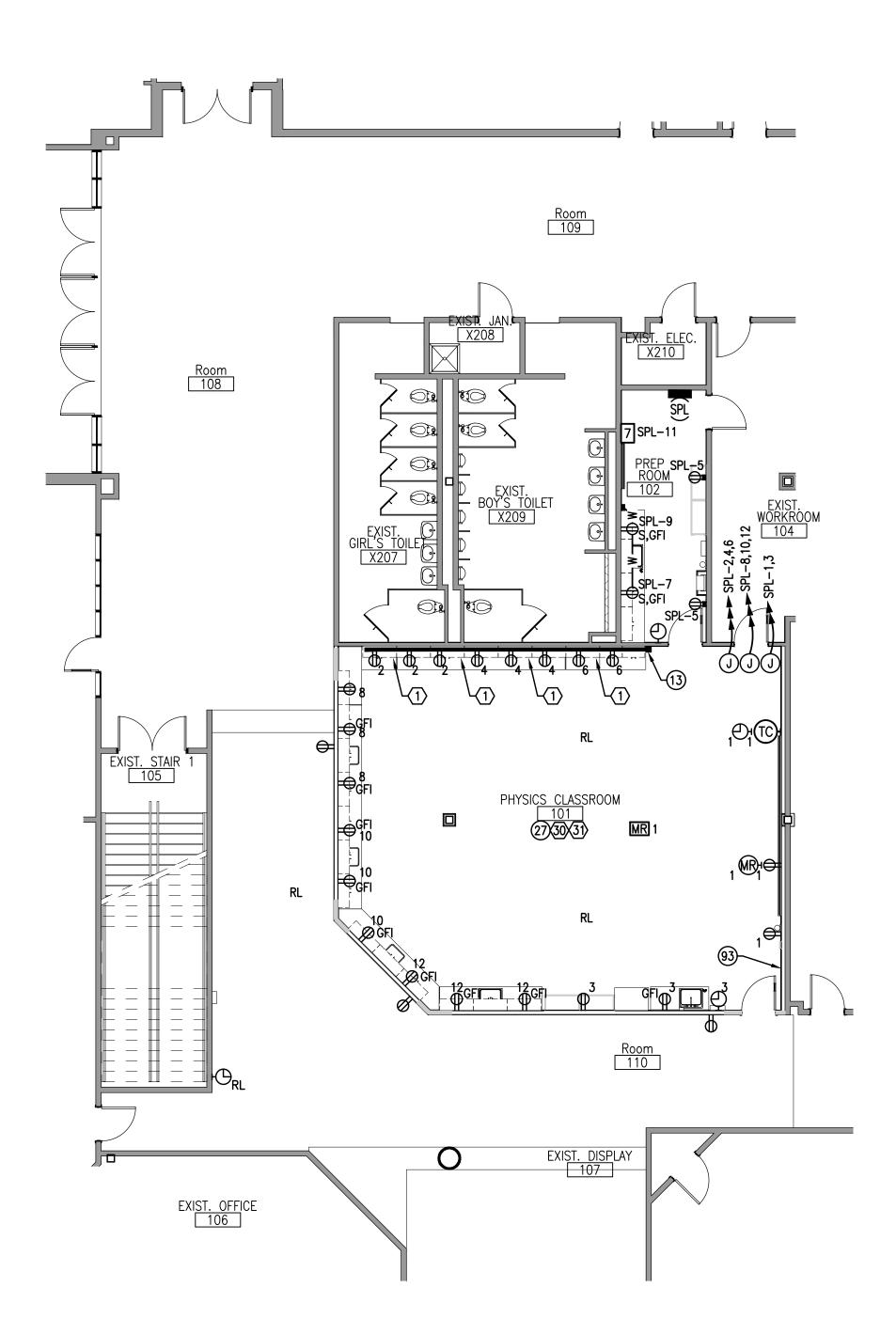




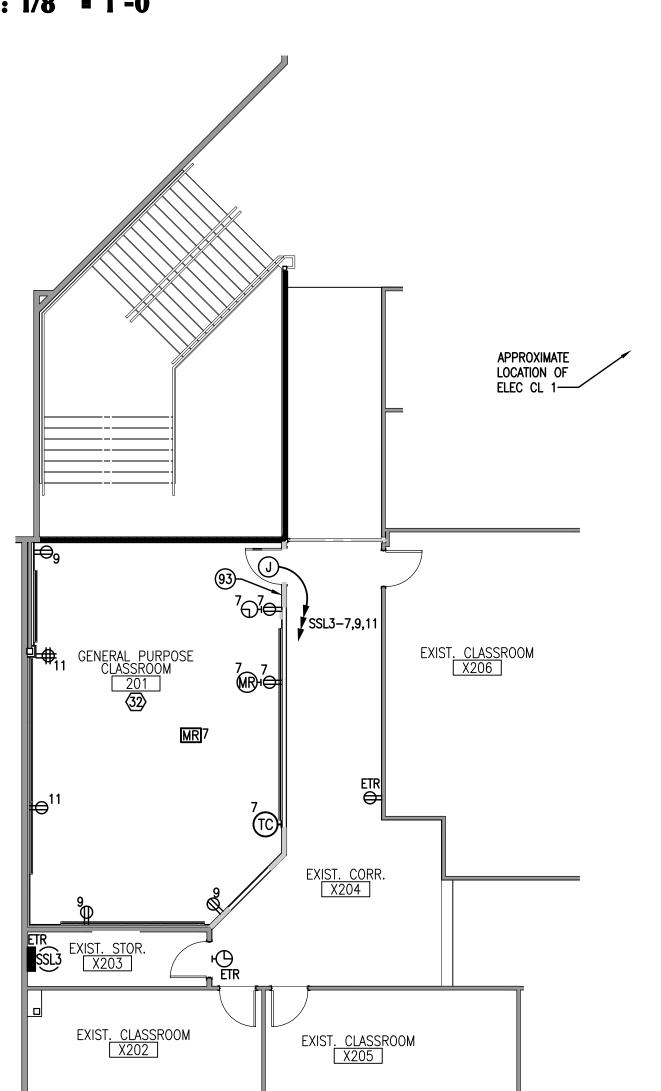
No: Revisions Sheet Title: FIRST AND SECOND FLOOR PLANS DEMOLITION

Issue Date:	5/7/2
C =l = .	
Scale:	As Note
BJUA Project No.:	24002.
Project No.:	TB
Sheet No.:	

PLOTTED: 4/25/2024 2:27 PM, PLOTTER: DWG To PDF.pc3 SAVED: 4/11/2024 3:39 PM, SAVED BY: Patrick, PLOTTED BY: Patrick Starkey



PARTIAL FIRST FLOOR PLAN POWER AND COMMUNICATIONS SCALE: 1/8" = 1'-0"



PARTIAL SECOND FLOOR PLAN POWER AND COMMUNICATIONS
SCALE: 1/8" • 1'-0"

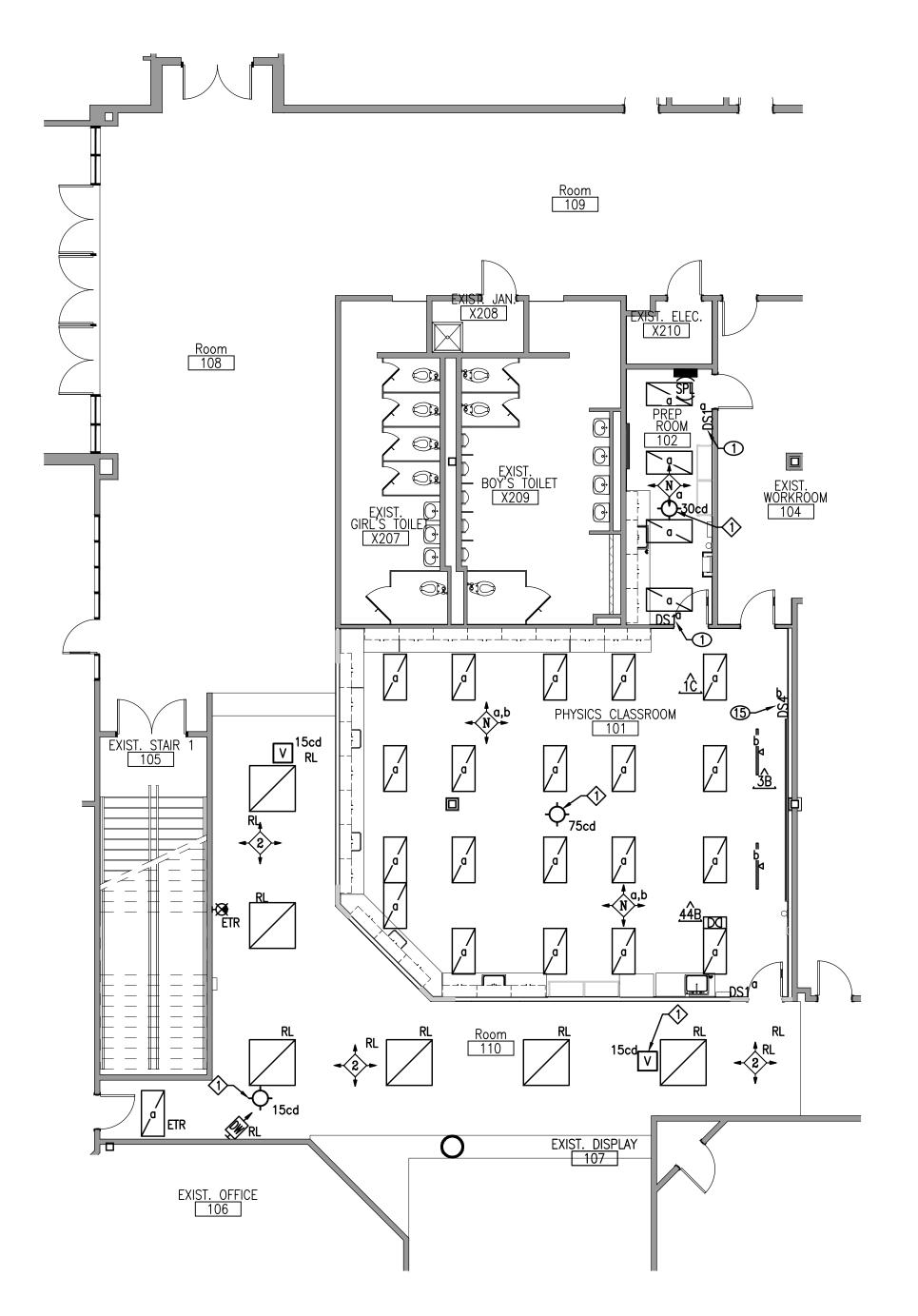
POWER NOTES ®

- ALL POWER COLUMN WIREMOLD DROPS SHALL BE COORDINATED WITH WALL MOUNTED MARKER BOARDS AND OTHER WALL MOUNTED EQUIPMENT PRIOR TO RUNNING THE WIREMOLD DROPS.
- 13 SEE COMPUTER SURFACE METAL RACEWAY ASSEMBLY DETAIL ON DRAWING E302.
- ALL RECEPTACLES LOCATED AT COUNTERS SHALL BE MOUNTED IN BACK SPLASH CUTOUTS FURNISHED BY OTHERS. SEE ARCHITECTURAL DRAWINGS FOR COUNTER ELEVATIONS.

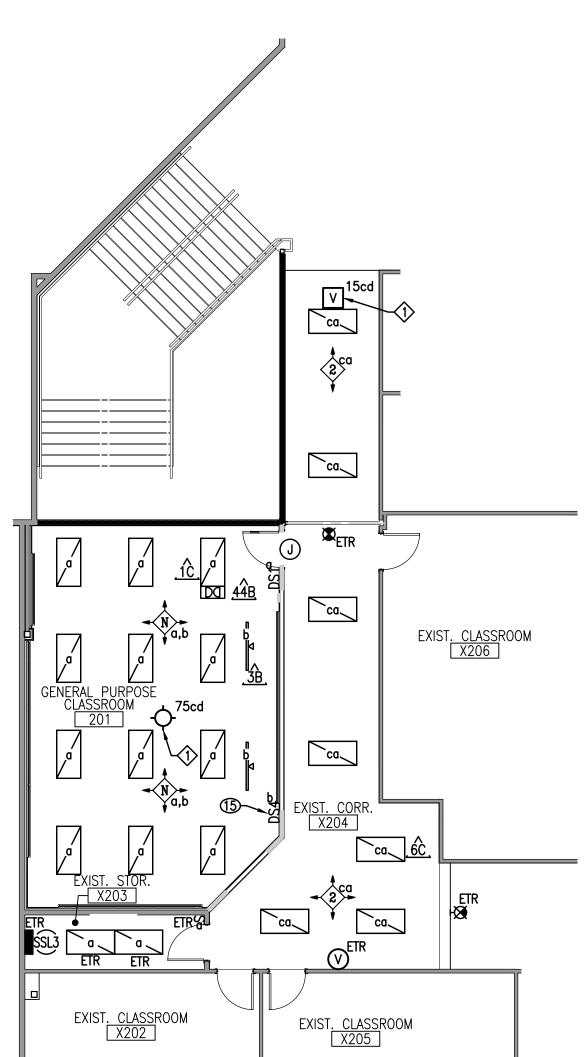
COMMUNICATION NOTES (#)

ALL CLASSROOM AMPLIFICATION SPEAKERS SHALL BE MOUNTED ADJACENT TO TEACHING WALL ASSEMBLIES. REFER TO TEACHING WALL ASSEMBLY DETAIL ON DRAWING E301. DEVICES ARE SHOWN FOR QUANTITY ONLY.

93 PROVIDE CONCEALED CONDUIT AND BACK BOX FOR NEW THERMOSTAT.



PARTIAL FIRST FLOOR PLAN - LIGHTING AND FIRE ALARM SCALE: 1/8" • 1'-0"



PARTIAL SECOND FLOOR PLAN - LIGHTING AND FIRE ALARM SCALE: 1/8" • 1'-0"

LIGHTING NOTES ®

- NEW LIGHT SWITCH(ES) SHOWN ON EXISTING WALLS SHALL BE SURFACE MOUNTED AT LOCATION SHOWN. SEE SPECIFICATION SECTION 16115 AND DETAIL ON DRAWING E301.
- 15 COORDINATE LOCATION OF MARKERBOARD SWITCH WITH MARKERBOARD AND TEACHING WALL DEVICES, SEE "TEACHING WALL DEVICE LAYOUT" DETAIL ON DRAWING E301.

Photometric Statistics							
Description	Avg	Max	Min	Max/Min			
102 - PREP ROOM	46.9 fc	54.6 fc	36.0 fc	1.5:1			
110 - CORRIDOR	28.4 fc	49.4 fc	13.4 fc	3.7:1			
201 - GENERAL PURPOSE CLASSROOM	54.5 fc	68.2 fc	32.0 fc	2.1:1			
X203 - EXIST STOR.	21.4 fc	31.9 fc	11.3 fc	2.8:1			
X204 - EXIST CORR	29.9 fc	49.6 fc	16.6 fc	3.0:1			
101 - PHYSICS CLASSROOM	53.6 fc	68.5 fc	25.9 fc	2.6:1			



Chantilly High High School Physics Lab and Classroom additions

4201 Stringfellow Rd, Chantilly, Virginia 20151



9900 Main St., Suite 300 Fairfax, VA 22031-3907

T: 703-273-5441 F: 703-273-8846

Structural Engineer

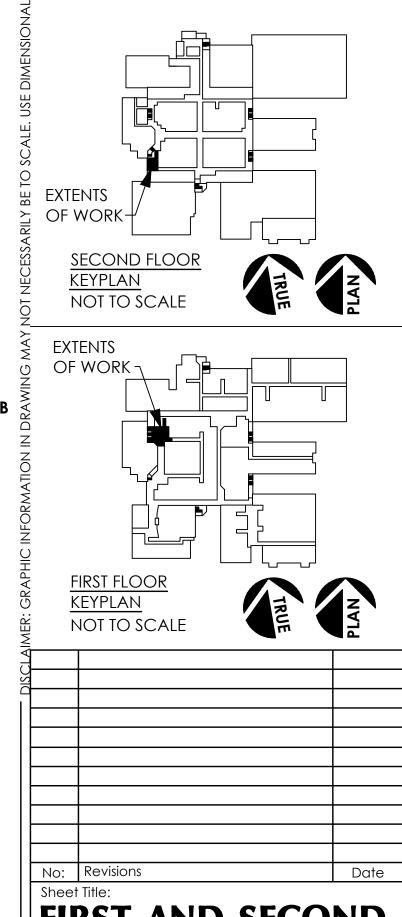
MEP Engineers

Strickler Associates, Ltd.

Civil Engineer

FIRE AND SECURITY NOTES &

TIE NEW FIRE ALARM DEVICE TO EXISTING LOOP SERVING OTHER DEVICES IN THIS AREA.

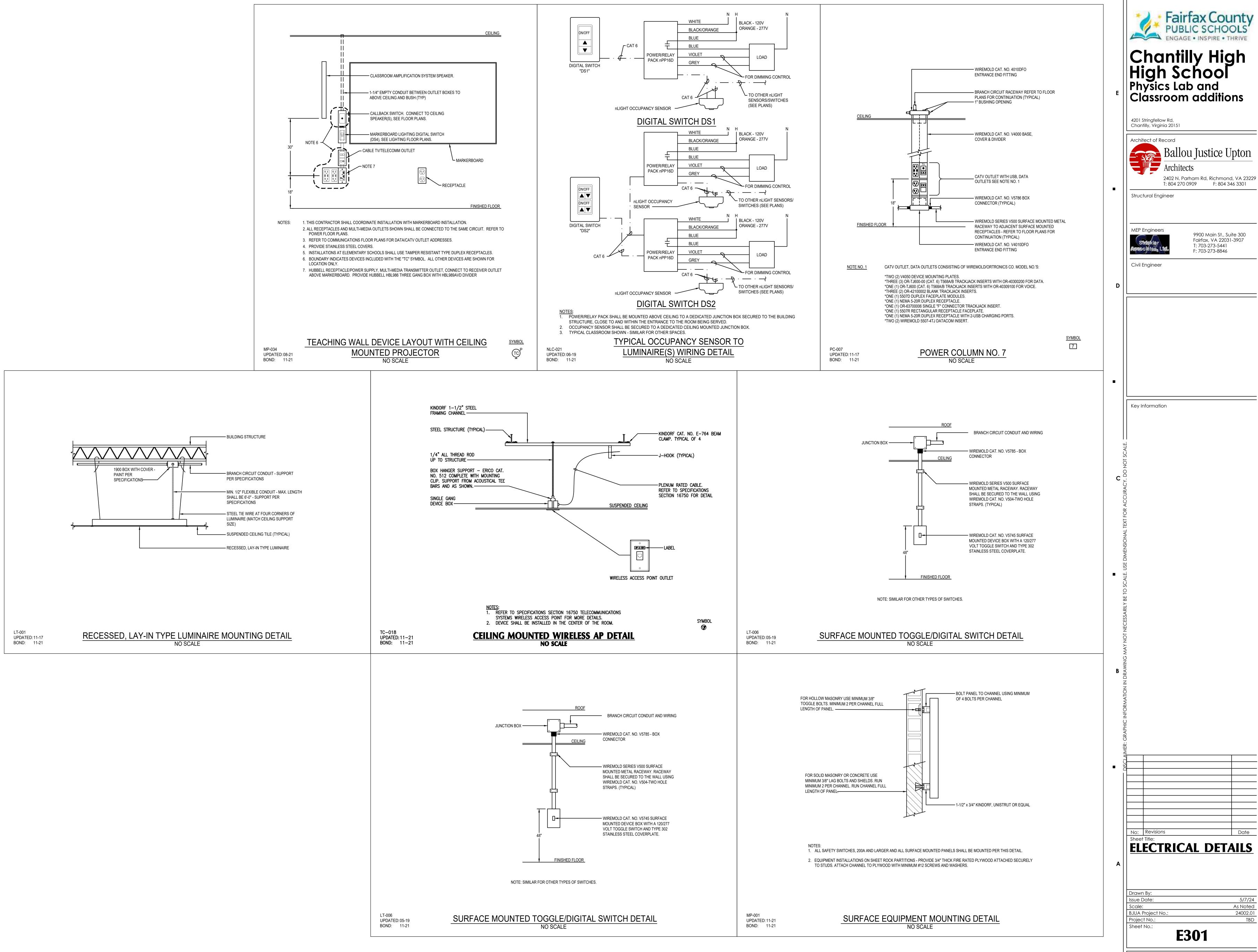


FIRST AND SECOND
FLOOR PLANS ELECTRICAL

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

RID SET

PLOTTED: 4/25/2024 2:27 PM, PLOTTER: DWG To PDF.pc3 SAVED: 4/12/2024 9:14 AM, SAVED BY: Mary, PLOTTED BY: Patrick Starkey



Chantilly High High School Physics Lab and Classroom additions

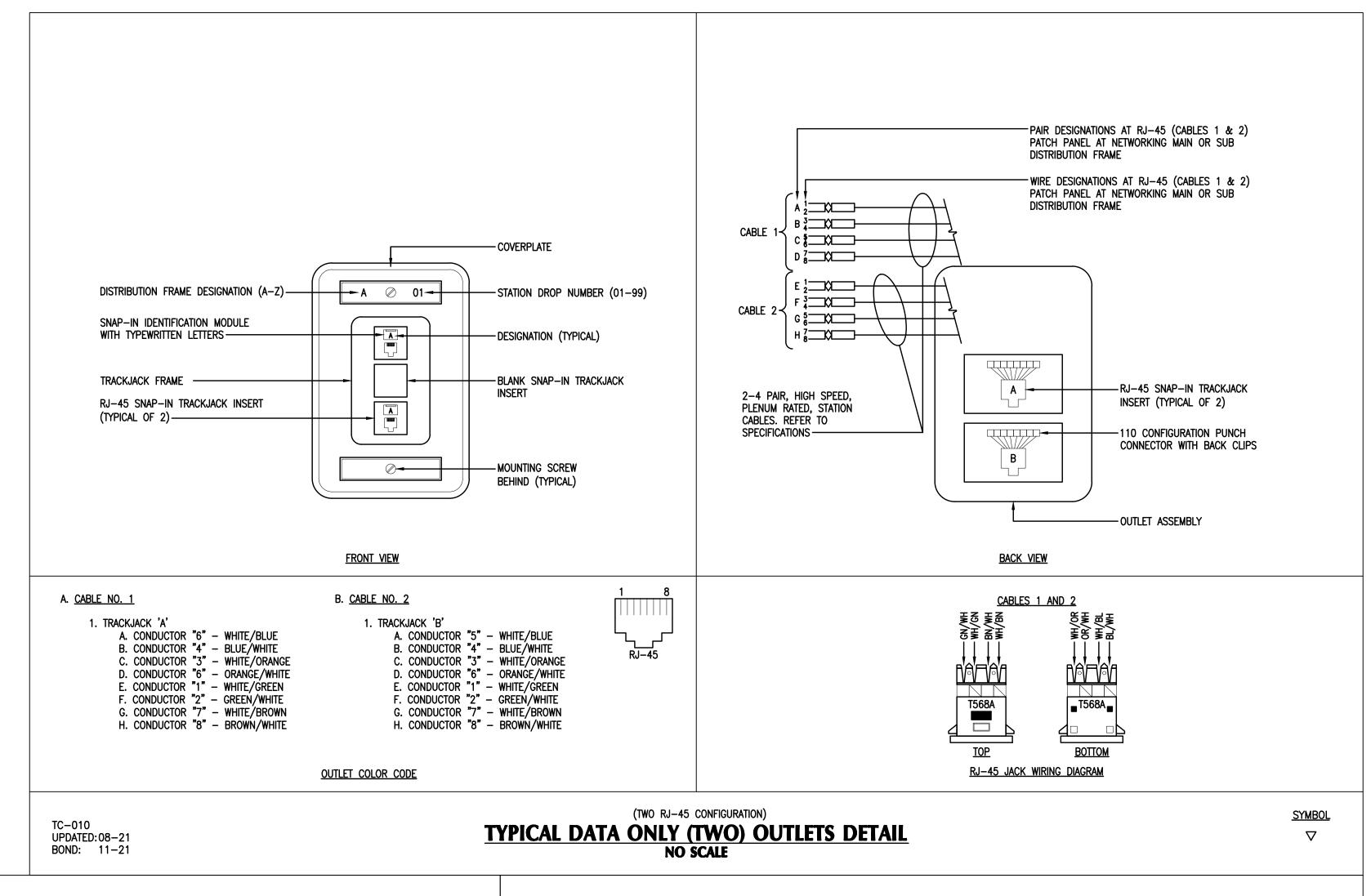
Fairfax, VA 22031-3907 T: 703-273-5441 F: 703-273-8846

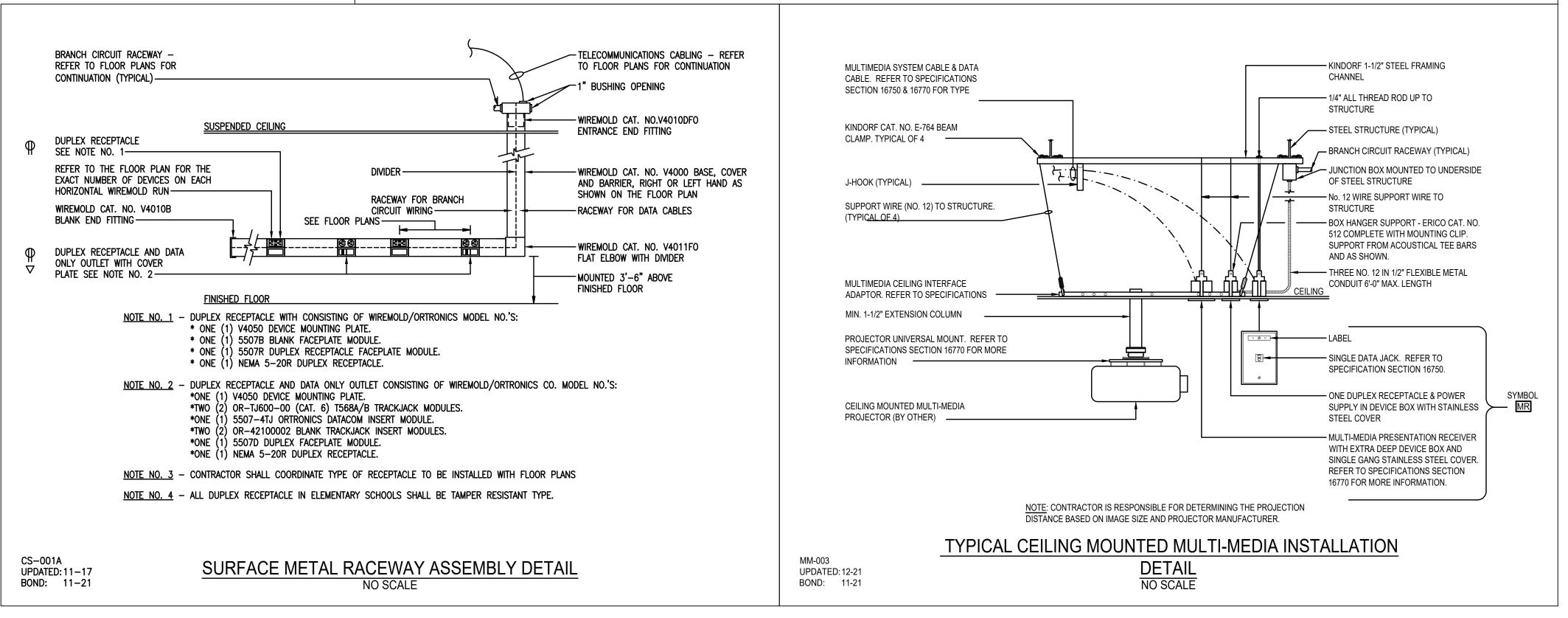
9900 Main St., Suite 300

ELECTRICAL DETAILS

5/7/24 As Noted 24002.01

PLOTTED: 4/25/2024 2:27 PM, PLOTTER: DWG To PDF.pc3 SAVED: 4/11/2024 3:35 PM, SAVED BY: Patrick, PLOTTED BY: Patrick Starkey







Chantilly High High School Physics Lab and Classroom additions

4201 Stringfellow Rd, Chantilly, Virginia 20151



Structural Engineer

MEP Engineers

9900 Main St., Suite 300 Fairfax, VA 22031-3907 T: 703-273-5441 F: 703-273-8846

Civil Engineer

Key Information

No: Revisions

Date

ELECTRICAL DETAILS

Drawn By:

Issue Date: 5/7/24

Scale: As Noted

BJUA Project No.: 24002.01

Project No.: TBD

Sheet No.:

E302

PLOTTED: 4/25/2024 2:27 PM, PLOTTER: DWG To PDF.pc3 SAVED: 4/11/2024 3:37 PM, SAVED BY: Patrick, PLOTTED BY: Patrick Starkey