DREWRY MASON E.S. ELEVATOR ADDITION

HENRY COUNTY PUBLIC SCHOOLS

RRMM ARCHITECTS, PC

ARCHITECTURE / PLANNING / INTERIORS

28 Church Avenue SW
Roanoke, VA 24011
(540) 344-1212

VICINITY MAP

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Bassett, VA 24055

Contact:
Keith Scott
Director of Facilities Maintenance
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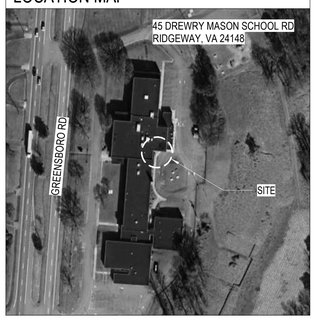
LOCATION MAP



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BID # 25-081933-3131

MARK	DATE	BY	DESCRIPTION
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DATE	2/28/25
PROJECT	21195-10
DESIGNED	Designer
DRAWN	Author
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HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148
VIRGINIA DEPARTMENT OF EDUCATION: ??

DRAWING
TITLE SHEET

SHEET
G-001

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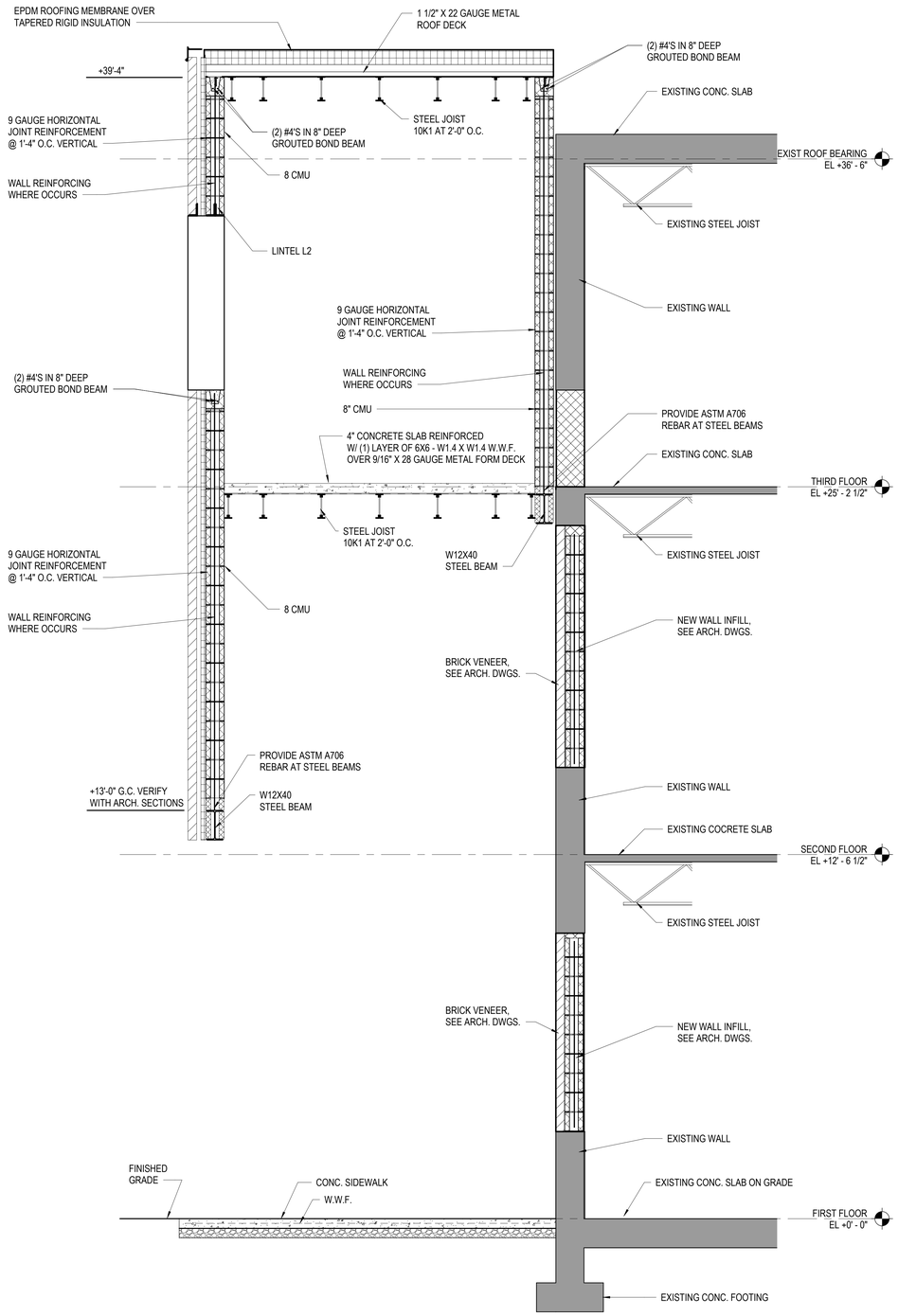

1 S-100 SECTION 1/S-100
SCALE: 1/2" = 1'-0"

SCHEDULES

COLUMN SCHEDULE

MARK	SIZE	BASEPLATE	ANCHOR BOLTS	REMARKS
C1	HSS 6" X 6" X 1/4"	3/4" X 14" X 14"	4 - 3/4" DIA.	---

COLUMN NOTES:

1. ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 9" EMBEDMENT WITH 3" LEG, UNLESS OTHERWISE NOTED.
2. PROVIDE 1/4" COLUMN CAPS AT ALL HSS COLUMNS.
3. ALL ANCHOR BOLTS SHALL BE F1554 GRADE 36 KSI.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING	REMARKS
F1	1'-0" X 2'-6" X CONT.	3 - #5'S CONT.	---
F2	1'-0" X 3'-0" X 3'-0"	4 - #5'S E.W.	---

LINTEL SCHEDULE

MARK	SIZE	TYPE	REMARKS
L1	8" CMU BOND BEAM FILL SOLID WITH GROUT WITH (2) #5'S CONT.	Sp	NOTES 1, 2, 3, 4
L2	(3) 5" X 3 1/2" X 1/4" LLV STEEL ANGLES		NOTE 5

LINTEL NOTES:

1. PROVIDE MINIMUM 8" BEARING ON SOLID GROUTED MASONRY AT EACH END OF ALL LINTELS, UNLESS NOTED OTHERWISE.
2. SEE ARCHITECTURAL DRAWINGS FOR LINTEL ELEVATIONS.
3. FILL SOLID W/ 3000 PSI GROUT.
4. BOND BEAM WIDTH SHALL MATCH WALL WIDTH.
5. PROVIDE 8" OF BEARING EACH END OF LINTEL.

REBAR LAP LENGTHS

BAR SIZE	LAP LENGTH (MIN.)	REMARKS
#4	24"	-----
#5	30"	-----
#6	36"	-----
#7	42"	-----
#8	48"	-----
#9	52"	-----

NOTES:

1. ALL FOOTING DOWELS SHALL BE EMBEDDED TO WITHIN (3") OF THE BOTTOM OF FOOTING WITH A MINIMUM 3" LEG.

GENERAL STRUCTURAL NOTES

CODE:
2021 VIRGINIA CONSTRUCTION CODE

DESIGN LOADS:
RISK CATEGORY III

ROOF LIVE LOAD = 30 PSF

WIND LOADS:
BASIC WIND SPEED = 116 MPH (3 SECOND GUST) ULT.,
90 MPH (3 SECOND GUST) ASD
EXPOSURE 'B'
GCpi = ±0.18
qz = 23 PSF VELOCITY PRESSURE

GROUND SNOW LOAD = 41 PSF
I = 1.1
Ce = 1.0
Ct = 1.0
Pf = 32 PSF
Cs = 1.0
DRIFT SURCHARGE - N/A
DRIFT WIDTH - N/A
RAIN ON SNOW = 5 PSF

SEISMIC LOADS:
Ss = 0.21g
S1 = 0.07g
SDs = 0.17g
SD1 = 0.10g
R = 2.0 ORDINARY REINFORCED CMU BEARING WALLS
I = 1.25
SEISMIC RESPONSE COEFFICIENT (Cs) = 0.103
EQUIVALENT LATERAL FORCE PROCEDURE
SEISMIC DESIGN CATEGORY 'B'
SITE CLASSIFICATION 'B'

ICE: THICKNESS 0.99 INCHES
GUST SPEED = 38 MPH
CONCURRENT TEMPERATURE = 15 DEGREES (F)

RAIN = 6.11 IN/HR (15 MINUTE RAINFALL INTENSITY)
TORNADO:
VT =50
Kztor = 1.0
Ke = 1.0
Qz = 6.4 PSF (TORNADO VELOCITY PRESSURE)

SHEETS S-100 THRU S-102 ARE STRUCTURAL DESIGN DRAWINGS ONLY (REQUIRED FOR THE FOUNDATION PLAN, FLOOR FRAMING PLAN, ROOF FRAMING PLAN, SECTIONS, AND DETAILS AND SCHEDULES). ANY REFERENCE TO ARCHITECTURAL MATERIALS, SYSTEMS, OR CONCEPTS IS FOR CLARITY ONLY.

ALL FILL AND UNSUITABLE FOUNDATION MATERIAL SHALL BE REMOVED AND FOOTINGS SHALL REST ON UNDISTURBED SOIL OR ENGINEERED FILL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

FOOTINGS ARE DESIGNED FOR A MINIMUM ASSUMED SOIL BEARING CAPACITY OF 1500 PSF.

ALL CONCRETE SHALL BE 4000 PSI. ALL MATERIALS AND PROCESSES TO THIS END SHALL CONFORM IN GENERAL TO ACI RECOMMENDED PRACTICE FOR THE DESIGN OF CONCRETE MIXES. (ACI-613 LAST REVISED). AIR < 3%, SLUMP 4 TO 5 INCHES.

STEEL REINFORCING SHALL BE BILLET STEEL ASTM A-615, GRADE 60.

CUTS, HOLES, COPINGS, ETC. IN STRUCTURAL STEEL MEMBERS REQUIRED BY WORK OF OTHER TRADES SHALL BE MADE IN THE SHOP AND SHALL BE SHOWN ON THE SHOP DRAWINGS. BURNING OF HOLES OR CUTS IN THE FIELD WILL NOT BE PERMITTED WITHOUT SPECIFIC APPROVAL OF THE ENGINEER.

FOR OPENINGS IN THE ROOF, SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.

ALL GROUT FOR MASONRY WALLS SHALL BE 3000 PSI (MINIMUM).

f'm FOR ALL LIGHT WEIGHT MASONRY SHALL BE 1900 PSI (MIN) BASED ON NET AREA (ASTM C-90).

PROVIDE 9 GAUGE GALVANIZED JOINT REINFORCEMENT IN ALL MASONRY WALLS AT 1'-4" O.C.

STEEL ROOF DECK SHALL BE INTERLOCKING RIB TYPE PREFABRICATED SHEET STEEL UNITS, VULCRAFT, TYPE 1.5B AS SPECIFIED ON DRAWINGS (OR EQUAL), 22 GAGE AND 1 1/2" DEEP. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. PROVIDE PUDDLE WELDS OR #12 SCREWS AT 12" O.C. AT ALL SUPPORTING MEMBERS, AND SCREW SIDE LAPS AT 24" O.C. WITH MINIMUM #8 SCREWS. ROOF DECK SHALL BE FABRICATED AS 3 SPAN MINIMUM.

STEEL FORM DECK SHALL BE 0.6 C AS MANUFACTURED BY VULCRAFT (OR EQUAL), 9/16" DEEP AND 28 GAUGE. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

UNLESS NOTED OTHERWISE, ALL SUPPORTED FLOOR SLABS ON METAL DECK SHALL BE REINFORCED WITH 6X6 - W1.4 X W1.4 W.W.F., EQUALLY SPACED BETWEEN TOP OF METAL DECK AND TOP OF CONCRETE SLAB.

ROUND STEEL PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-501. SQUARE AND RECTANGULAR STEEL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-500, GRADE B. ALL STRUCTURAL STEEL BEAMS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A992. Fy= 50KSI. ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-36. ALL STEEL SHALL RECEIVE ONE COAT OF SHOP PAINT, UNLESS NOTED OTHERWISE.

UNLESS NOTED OTHERWISE, ALL BEAM SHEAR CONNECTIONS SHALL BE DESIGNED FOR ONE HALF THE ALLOWABLE UNIFORMLY DISTRIBUTED LOADING IN ACCORDANCE WITH THE UNIFORM LOAD CONSTANTS AS TABULATED IN THE AISC MANUAL (FOURTEENTH EDITION) FOR THE INDICATED SPAN PLUS 2 KIPS.

ALL BOLTS SHALL BE 3/4" DIAMETER, ASTM A-325 TYPE "X", UNLESS OTHERWISE SHOWN OR NOTED.

STEEL JOISTS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE STEEL JOIST INSTITUTE. BRIDGING SHALL BE BY STEEL MEMBERS WITH L/R NOT TO EXCEED 300. END JOISTS SHALL BE BRACED AND TIED TO ADJACENT STRUCTURAL MEMBERS.

ALL JOIST BRIDGING AND BRIDGING ANCHORS SHALL BE COMPLETELY INSTALLED BEFORE CONSTRUCTION LOADS ARE PLACED ON THE JOISTS.

ALL LINTELS TO HAVE 8" MINIMUM BEARING ON SOLID GROUTED MASONRY UNITS, UNLESS NOTED OTHERWISE.

PROVIDE ANGLE 3 1/2" X 3 1/2" X 1/4" FOR EACH 4" OF MASONRY WALL THICKNESS OVER GRILLES, LOUVERS, PANEL BOXES, DUCTS AND OTHER MISCELLANEOUS OPENINGS NOT LISTED IN SCHEDULE.

USE TWO COURSES OF SOLID GROUTED CMU UNDER ALL BEAM BEARING PLATES AND BEAMS BEARING INTO MASONRY WALLS.

ALL DIMENSIONS SHOWN ON THIS DRAWING SHALL BE VERIFIED BY THE CONTRACTOR AT THE PROJECT SITE PRIOR TO COMMENCING CONSTRUCTION OR FABRICATION OF BUILDING ELEMENTS.

REFER TO ARCHITECTURAL DRAWINGS FOR FULLY DIMENSIONED FLOOR PLANS. FOR DISCREPANCIES IN DIMENSIONS - ARCHITECTURAL DIMENSIONS CONTROL.

REINFORCE ALL 8" CMU WALL WITH #4'S AT 2'-8" O.C. PROVIDE (1) ADDITIONAL #4 BAR AT ALL CORNERS AND JAMBS OF DOORS AND WINDOWS. FILL CMU SOLID WITH 3000 PSI GROUT FULL HEIGHT OF WALL AT VERTICAL WALL REINFORCING.

MARK	DATE	BY	DESCRIPTION
REVISIONS			

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DATE	2/27/25
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DESIGNED	JFK
DRAWN	BMB
CHECKED	JFK

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DRAWING
GENERAL STRUCTURAL NOTES, SCHEDULES AND TYP. SECTIONS

VIRGINIA DEPARTMENT OF EDUCATION: ??

SHEET
S-100

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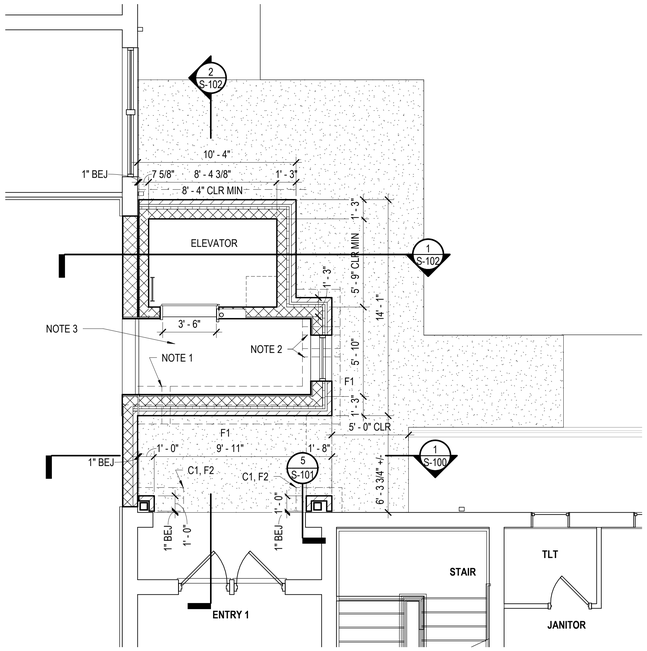


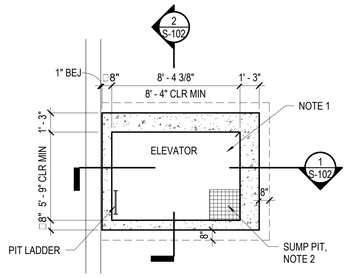
FIRST FLOOR PLAN

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

1. STEP FOOTING TO MATCH EXISTING FOOTING ELEVATION.

2. STEP FOOTING TO MATCH ELEVATOR FOUNDATION AT (-5'-0").

3. PROVIDE 4" CONCRETE SLAB ON GRADE REINFORCED WITH (1) LAYER OF 6X6-W1.4 X W1.4 W.W.F. OVER 10 MIL VAPOR BARRIER OVER 4" COMPACTED STONE FILL.

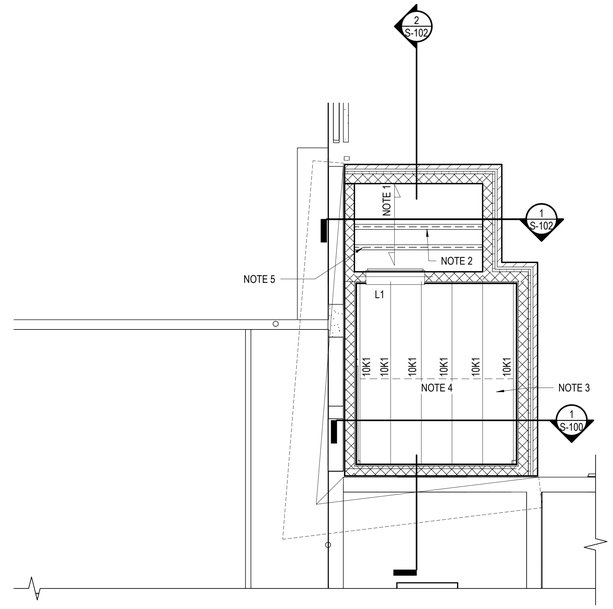


ELEVATOR PIT PLAN

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

1. PROVIDE 12" CONCRETE PAD REINFORCED WITH #4'S AT 12" O.C. E.W. TOP AND BOTTOM. TOP OF PAD (-5'-0") BELOW FINISH FLOOR ELEVATION 0'-0".

2. SEE PLUMBING DRAWINGS FOR SUMP PIT LOCATION AND SIZE. REINFORCE PIT WALLS WITH #4'S AT 12" O.C. E.W.



4 S-101 ROOF PLAN

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

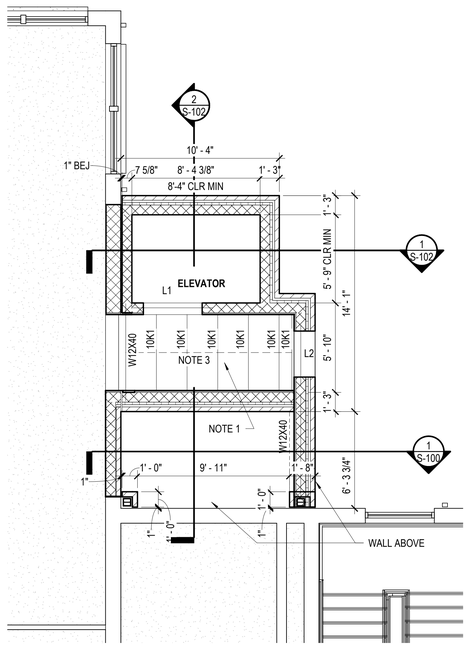
1. TYPICAL ROOF CONSTRUCTION SHALL BE 5" CONCRETE SLAB OVER 2" X 18 GAUGE GALVANIZED METAL ROOF DECK. DECK BEARING ELEVATION SHALL BE + 39'-4".

2. W8X24 ELEVATOR HOIST BEAM. G.C. FIELD VERIFY WITH ELEVATOR MANUFACTURER ELEVATION OF HOIST BEAM.

3. TYPICAL ROOF CONSTRUCTION SHALL BE 1 1/2" X 22 GAUGE METAL ROOF DECK SUPPORTED BY STEEL JOIST SPACED AT 2'-0" O.C. JOIST BEARING ELEVATION +39'-4".

4. JOIST BEARING BY JOIST MANUFACTURER.

5. W8X24 FALL PROTECTION BEAM. PROVIDE 3/8" X 6" X 1'-0" BEARING PLATE WITH (2) 1/2" DIA. X 6" LONG ANCHORS AT EACH END OF BEAM. BEAM ELEVATION TO MATCH HOIST BEAM ELEVATION. BEAM DESIGNED FOR 5000 LB CONCENTRATED LOAD.



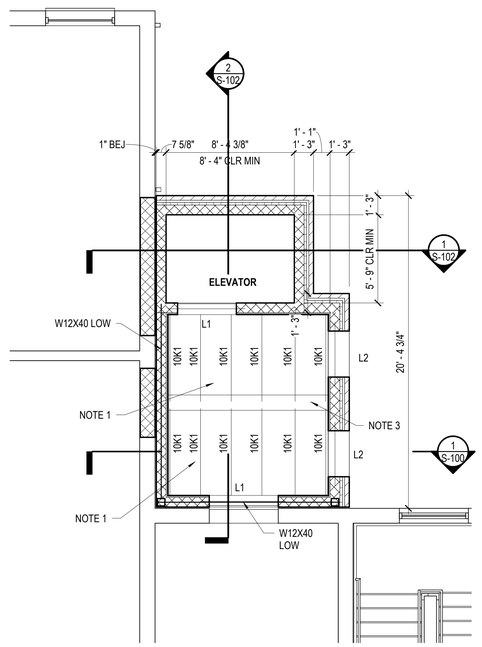
2 S-101 SECOND FLOOR PLAN

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

1. TYPICAL FLOOR CONSTRUCTION SHALL BE 4" CONCRETE REINFORCED WITH (1) LAYER OF 6X6 - W1.4 X W1.4 W.W.F. OVER 9/16" 28 GAUGE FORM DECK SUPPORTED BY STEEL BAR JOISTS AT 2'-0" O.C.

2. FINISH FLOOR ELEVATION SHALL BE (+12'-6 1/2").

3. JOIST BEARING - BY JOIST MANUFACTURER.



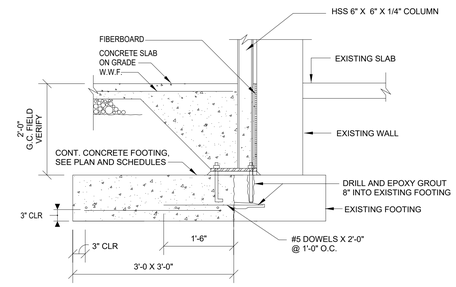
3 S-101 THIRD FLOOR PLAN

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

1. TYPICAL FLOOR CONSTRUCTION SHALL BE 4" CONCRETE REINFORCED WITH (1) LAYER OF 6X6 - W1.4 X W1.4 W.W.F. OVER 9/16" 28 GAUGE FORM DECK SUPPORTED BY STEEL BAR JOISTS AT 2'-0" O.C.

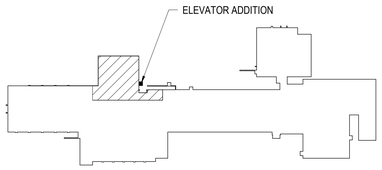
2. FINISH FLOOR ELEVATION SHALL BE (+25'-2 1/2").

3. WALL BELOW.



5 S-101 SECTIONS

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



KEY PLAN

NOT TO SCALE

TRUE NORTH PLAN NORTH

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DRAWING
FIRST FLOOR AND ELEVATOR PIT PLANS

SHEET
S-101

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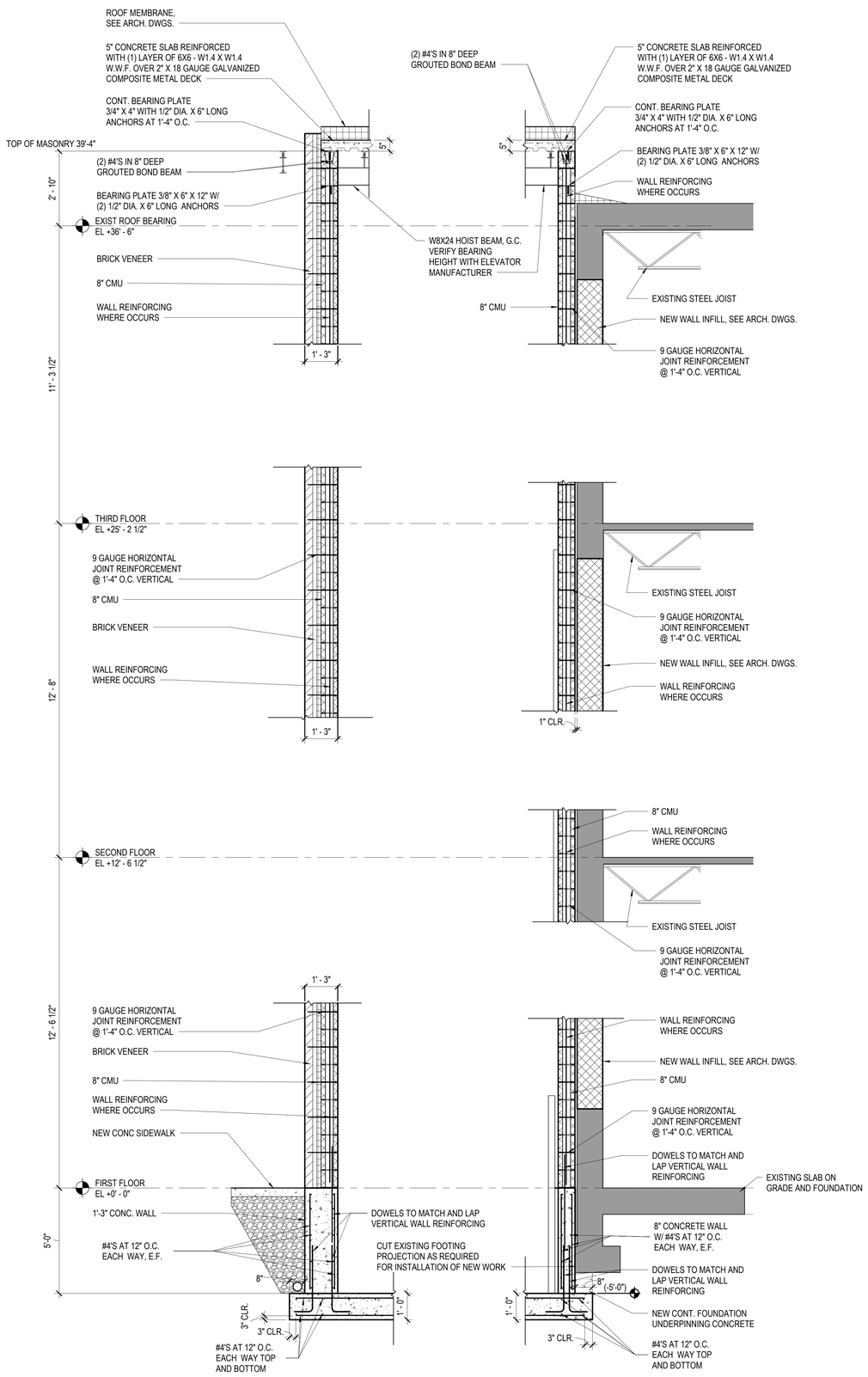
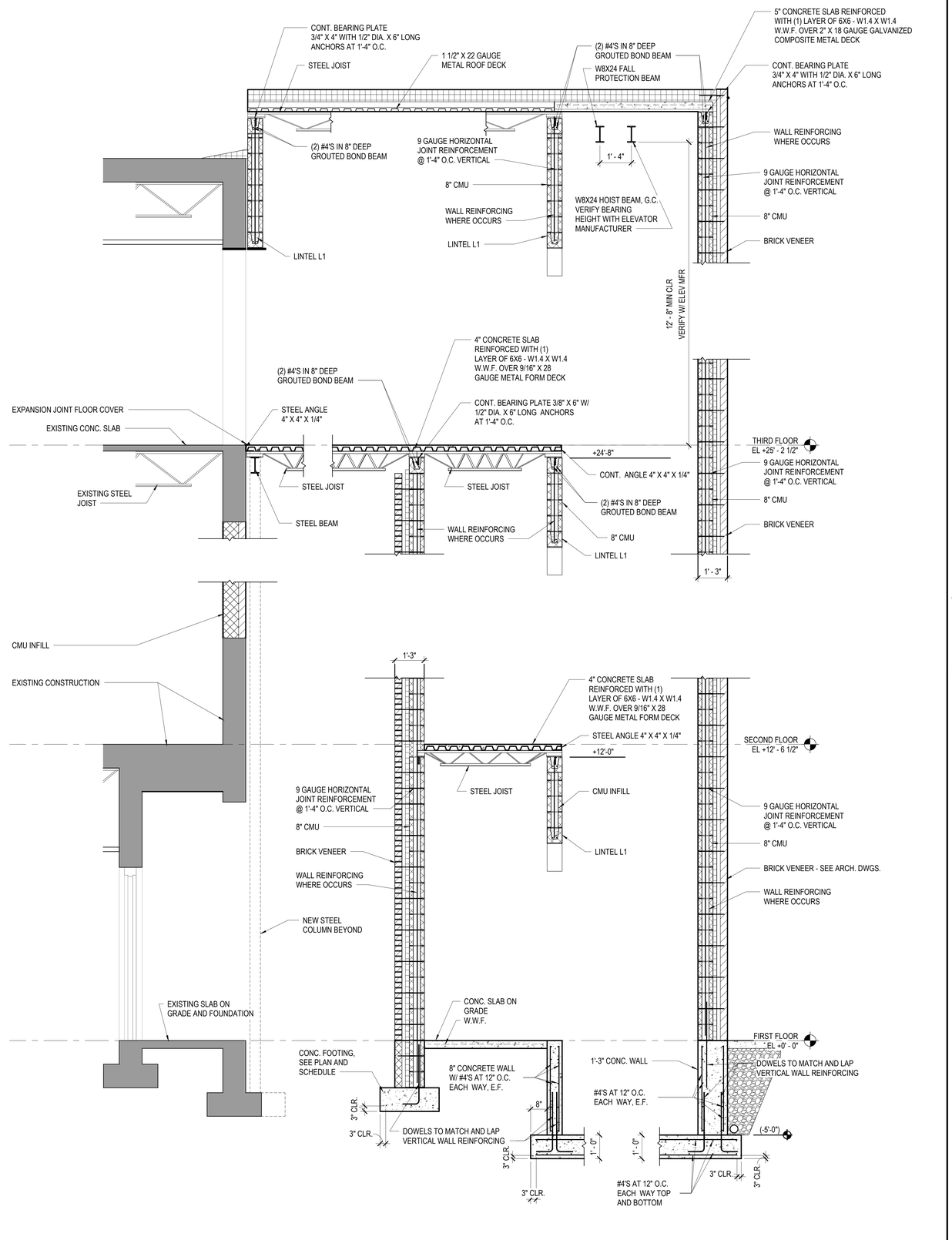


1 S-102 SECTION 1/S-102
SCALE: 1/2" = 1'-0"



2 S-102 SECTION 2/S-102
SCALE: 1/2" = 1'-0"

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DRAWING
SECTIONS

SHEET
S-102

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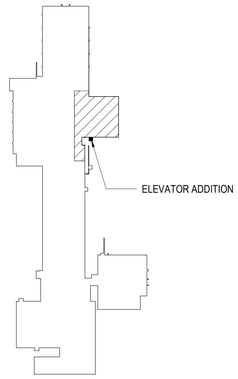
PLAN LEGEND

-RPS-	RESIST THE PASSAGE OF SMOKE
W	TWO HOUR FIRE WALL BASED ON NFPA 221
W	ONE HOUR FIRE WALL BASED ON NFPA 221
	ONE HOUR FIRE BARRIER
CLASSROOM	SPACE NAME
48/26	DESIGN OCCUPANCY
	CODE OCCUPANCY
703 SF	SPACE SQUARE FOOTAGE
(X)	DIRECTION OF EGRESS TRAVEL - OCCUPANT LOADS SHOWN ADJACENT TO TRAVEL LINES
FEC	RECESSED FIRE EXTINGUISHER & CABINET
FE	WALL MOUNTED FIRE EXTINGUISHER- REF SPECS
426	EGRESS CAPACITY IN PERSONS FOR OPENING SHOWN
54	CALCULATED OCCUPANCY LOAD AT EXIT LOCATION



TRUE NORTH PLAN NORTH

KEY PLAN
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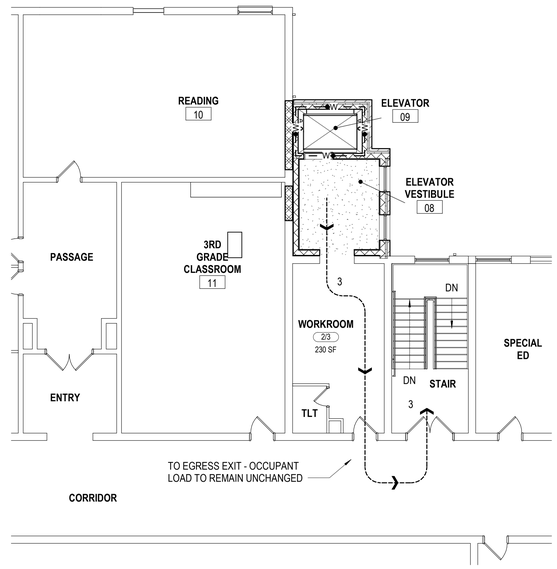
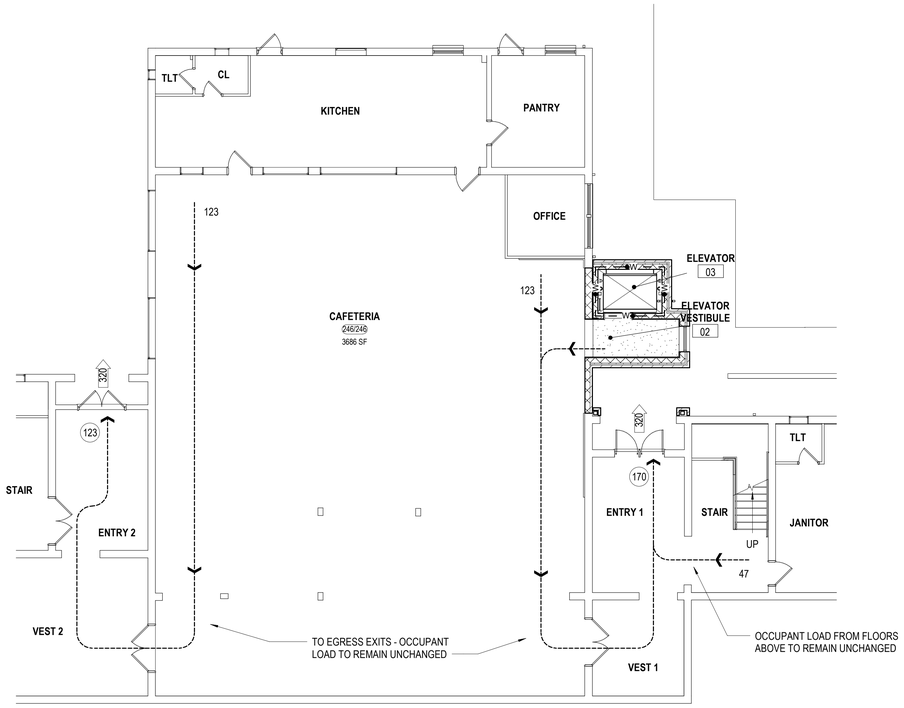
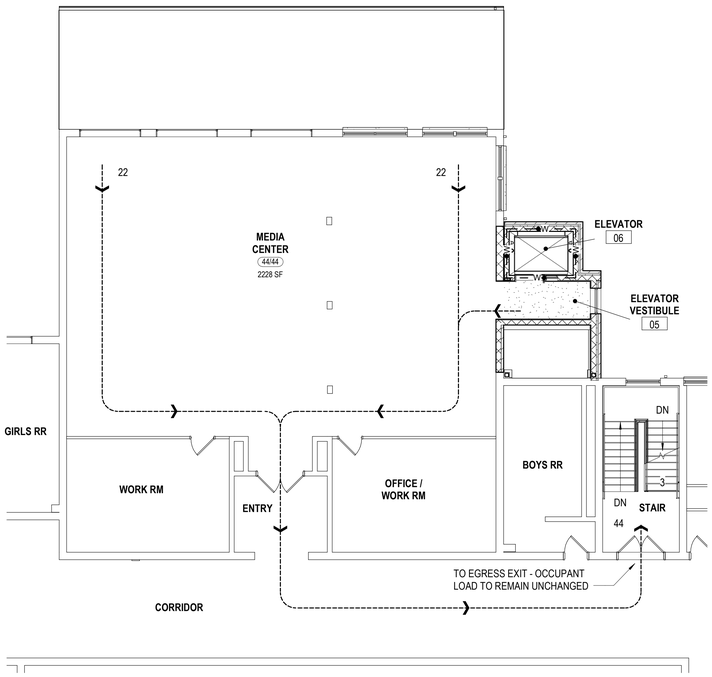


C4 LS101 THIRD FLOOR LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"



A1 LS101 FIRST FLOOR LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"



A4 LS101 SECOND FLOOR LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

MARK	DATE	BY	DESCRIPTION
REVISIONS			

DATE	2/28/25
PROJECT	21195-10
DESIGNED	RRMM
DRAWN	RRMM
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02/28/2025
ARCHITECT

PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148
VIRGINIA DEPARTMENT OF EDUCATION: ??

DRAWING
LIFE SAFETY PLANS

SHEET
LS101

Autodesk Docs://21195-10 HCPS Drewry Mason ES/21195-10 v24 HCPS Drewry Mason ES Elevator - ARCH.rvt
2/21/2025 2:00:06 PM

DREWRY MASON ELEMENTARY SCHOOL ELEVATOR ADDITION

APPLICABLE CODES

2021 VIRGINIA UNIFORM STATEWIDE BUILDING CODE, PART 1, CONSTRUCTION
INCLUDING BY REFERENCE:
- 2021 VIRGINIA CONSTRUCTION CODE
- 2021 VIRGINIA EXISTING BUILDING CODE
- 2021 VIRGINIA MECHANICAL CODE
- 2021 VIRGINIA PLUMBING CODE
- 2021 NFPA 70
- 2021 VIRGINIA ENERGY CONSERVATION CODE
- 2021 VIRGINIA FUEL GAS CODE
- 2021 VIRGINIA STATEWIDE FIRE PREVENTION CODE
- ICC/ANSI A117.1 2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- 2020 NEC NATIONAL ELECTRIC CODE

ZONING ORDINANCE FOR HENRY COUNTY, VIRGINIA

OTHER STANDARDS:
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
VA DEPT. OF EDUCATION GUIDELINES FOR SCHOOL FACILITIES IN VIRGINIA PUBLIC SCHOOLS

PROJECT DESCRIPTION
THIS PROJECT CONSISTS OF A NEW 90 SF RATED ELEVATOR SHAFT AND ELEVATOR, (2) 48 SF ELEVATOR LOBBIES AT THE FIRST AND SECOND FLOORS, AND (1) 80 SF ELEVATOR LOBBY AT THE THIRD FLOOR FOR THE EXISTING G.W. CARVER ELEMENTARY SCHOOL. THE NEW ELEVATOR ADDITION WILL PROVIDE ACCESS FROM ALL LEVELS.

CODE INFORMATION – EXISTING BUILDING
THE FOLLOWING IS A REVIEW OF THE APPLICABLE SECTIONS OF THE 2021 VIRGINIA EXISTING BUILDING CODE AS IT APPLIES TO THE ADDITION AND RENOVATIONS TO DREWRY MASON ELEMENTARY SCHOOL

APPLICATION OF CODE

102.2.3 ADDITIONS. WHERE ONE OR MORE NEWLY CONSTRUCTED FIRE WALLS THAT COMPLY WITH SECTION 706 OF THE VCC IS PROVIDED BETWEEN AN ADDITION AND THE EXISTING BUILDING OR STRUCTURE OR PORTIONS THEREOF, THE ADDITION SHALL BE CONSIDERED A SEPARATE BUILDING, AND THEREFORE, NOT AN ADDITION WITHIN THE SCOPE OF THIS CODE. SUCH SEPARATE BUILDING, INCLUDING THE FIRE WALL, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE VCC AND SHALL NOT PLACE THE EXISTING BUILDING OR STRUCTURE IN NONCONFORMANCE WITH THE BUILDING CODE UNDER WHICH THE EXISTING BUILDING OR STRUCTURE OR THE AFFECTED PORTIONS THEREOF WAS BUILT, OR AS PREVIOUSLY APPROVED.

103.3 RETROFIT REQUIREMENTS. THE LOCAL BUILDING DEPARTMENT SHALL ENFORCE THE PROVISIONS OF SECTION 1101 THAT REQUIRE CERTAIN EXISTING BUILDINGS TO BE RETROFITTED WITH FIRE PROTECTION SYSTEMS AND OTHER SAFETY EQUIPMENT. RETROACTIVE FIRE PROTECTION SYSTEM REQUIREMENTS CONTAINED IN THE INTERNATIONAL FIRE CODE SHALL NOT BE APPLICABLE UNLESS REQUIRED FOR COMPLIANCE WITH THE PROVISIONS OF VEBC SECTION 1101.

103.4 NONREQUIRED EQUIPMENT. THE FOLLOWING CRITERIA FOR NONREQUIRED EQUIPMENT ARE IN ACCORDANCE WITH SECTION 36-103 OF THE CODE OF VIRGINIA. BUILDING OWNERS MAY ELECT TO INSTALL PARTIAL OR FULL FIRE ALARMS OR OTHER SAFETY EQUIPMENT THAT WAS NOT REQUIRED BY THE EDITION OF THE VCC IN EFFECT AT THE TIME A BUILDING WAS CONSTRUCTED WITHOUT MEETING CURRENT REQUIREMENTS OF THE CODE, PROVIDED THE INSTALLATION DOES NOT CREATE A HAZARDOUS CONDITION. PERMITS FOR INSTALLATION SHALL BE OBTAINED IN ACCORDANCE WITH THE VCC. IN ADDITION, AS A REQUIREMENT OF THE CODE, WHEN SUCH NONREQUIRED EQUIPMENT IS TO BE INSTALLED, THE BUILDING OFFICIAL SHALL NOTIFY THE APPROPRIATE FIRE OFFICIAL OR FIRE CHIEF.

CHAPTER 4 ACCESSIBILITY

403.1 ADDITIONS. ACCESSIBILITY PROVISIONS FOR NEW CONSTRUCTIONS SHALL APPLY TO ADDITIONS, AN ADDITION THAT AFFECTS THE ACCESSIBILITY TO, OR CONTAINS AN AREA OF, A PRIMARY FUNCTION SHALL COMPLY WITH THE REQUIREMENTS IN SECTION 404.3, AS APPLICABLE.

404.1 ALTERATIONS, GENERAL. AN ALTERATION OF AN EXISTING FACILITY SHALL NOT IMPOSE A REQUIREMENT FOR GREATER ACCESSIBILITY THAN THAT WHICH WOULD BE REQUIRED FOR NEW CONSTRUCTION. ALTERATIONS SHALL NOT REDUCE OR HAVE THE EFFECT OF REDUCING ACCESSIBILITY OF A FACILITY OR PORTION OF A FACILITY.

404.3 ALTERATIONS AFFECTING AN AREA CONTAINING A PRIMARY FUNCTION. WHERE AN ALTERATION AFFECTS OR COULD AFFECT THE USABILITY OF OR ACCESS TO AN AREA CONTAINING A PRIMARY FUNCTION, THE ROUTE TO THE PRIMARY FUNCTION AREA SHALL BE ACCESSIBLE. TOILET FACILITIES AND DRINKING FOUNTAINS SERVING THE AREA OF PRIMARY FUNCTION, INCLUDING THE ROUTE FROM THE AREA OF PRIMARY FUNCTION TO THESE FACILITIES, SHALL BE ACCESSIBLE. THERE ARE (5) EXCEPTIONS TO THIS RULE.
EXCEPTIONS:
1. THE CUMULATIVE COSTS OF PROVIDING THE ACCESSIBLE ROUTE, TOILET FACILITIES AND DRINKING FOUNTAINS ARE NOT REQUIRED TO EXCEED 20 PERCENT OF THE COSTS OF THE ALTERATIONS AFFECTING THE AREA OF PRIMARY FUNCTION.
2. THIS PROVISION DOES NOT APPLY TO ALTERATIONS LIMITED SOLELY TO WINDOWS, HARDWARE, OPERATING CONTROLS, ELECTRICAL OUTLETS AND SIGNS.
3. THIS PROVISION DOES NOT APPLY TO ALTERATIONS LIMITED SOLELY TO MECHANICAL SYSTEMS, ELECTRICAL SYSTEMS, INSTALLATION OR ALTERATION OF FIRE PROTECTION SYSTEMS AND ABATEMENT OF HAZARDOUS MATERIALS.
4. THIS PROVISION DOES NOT APPLY TO ALTERATIONS UNDERTAKEN FOR THE PRIMARY PURPOSE OF INCREASING THE ACCESSIBILITY OF A FACILITY.
5. THIS PROVISION DOES NOT APPLY TO ALTERED AREAS LIMITED TO TYPE B DWELLING AND SLEEPING UNITS.

CHAPTER 5 REPAIRS

501.1 SCOPE. REPAIRS, INCLUDING THE PATCHING, RESTORATION OR REPLACEMENT OF DAMAGED MATERIALS, ELEMENTS, EQUIPMENT OR FIXTURES SHALL COMPLY WITH THE REQUIREMENTS OF THIS CHAPTER. REPAIRS TO HISTORIC BUILDINGS NEED ONLY COMPLY WITH CHAPTER 9. PORTIONS OF THE EXISTING BUILDING OR STRUCTURE NOT BEING REPAIRED SHALL NOT BE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THIS CODE APPLICABLE TO NEWLY CONSTRUCTED BUILDINGS OR STRUCTURES. WORK ON NONDAMAGED COMPONENTS THAT IS NECESSARY FOR THE REQUIRED REPAIR OF DAMAGED COMPONENTS SHALL BE CONSIDERED PART OF THE REPAIR AND SHALL NOT BE SUBJECT TO THE PROVISIONS OF CHAPTER 6. ROUTINE MAINTENANCE REQUIRED BY SECTION 302, ORDINARY REPAIRS EXEMPT FROM PERMIT IN ACCORDANCE WITH SECTION 108.2 OF THE VCC, AND ABATEMENT OF WEAR DUE TO NORMAL SERVICE CONDITIONS SHALL NOT BE SUBJECT TO THE REQUIREMENTS FOR REPAIRS IN THIS SECTION.

504 ELECTRICAL

504.1 MATERIAL. EXISTING ELECTRICAL WIRING AND EQUIPMENT UNDERGOING REPAIR SHALL BE ALLOWED TO BE REPAIRED OR REPLACED WITH LIKE MATERIAL.

504.1.1 RECEPTACLES. REPLACEMENT OF ELECTRICAL RECEPTACLES SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF SECTION 406.4(D) OF NFPA 70.

504.1.3 NONGROUNDING-TYPE RECEPTACLES. FOR REPLACEMENT OF NONGROUNDING-TYPE RECEPTACLES WITH GROUNDINGTYPE RECEPTACLES AND FOR BRANCH CIRCUITS THAT DO NOT HAVE AN EQUIPMENT GROUNDING CONDUCTOR IN THE BRANCH CIRCUITRY, THE GROUNDING CONDUCTOR OF A GROUNDING-TYPE RECEPTACLE OUTLET SHALL BE PERMITTED TO BE GROUNDED TO ANY ACCESSIBLE POINT ON THE GROUNDING ELECTRODE SYSTEM OR TO ANY ACCESSIBLE POINT ON THE GROUNDING ELECTRODE CONDUCTOR IN ACCORDANCE WITH SECTION 250.130(C) OF NFPA 70.

505 MECHANICAL

505.1 GENERAL. EXISTING MECHANICAL SYSTEMS UNDERGOING REPAIR SHALL NOT MAKE THE BUILDING LESS CONFORMING THAN IT WAS BEFORE THE REPAIR WAS UNDERTAKEN.

CHAPTER 6 ALTERATIONS

601.1 GENERAL. EXCEPT AS MODIFIED IN CHAPTER 9 OR THIS CHAPTER, ALTERATIONS TO ANY BUILDING OR STRUCTURE SHALL COMPLY WITH THE REQUIREMENTS OF THE VCC FOR NEW CONSTRUCTION. ALTERATIONS SHALL BE SUCH THAT THE EXISTING BUILDING OR STRUCTURE IS NO LESS CONFORMING TO THE PROVISIONS OF THE VCC THAN THE EXISTING BUILDING OR STRUCTURE WAS PRIOR TO THE ALTERATION. PORTIONS OF THE BUILDING OR STRUCTURE NOT BEING ALTERED SHALL NOT BE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE VCC.
EXCEPTIONS:
1. ANY STAIRWAY REPLACING AN EXISTING STAIRWAY SHALL NOT BE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF SECTION 1011 OF THE VCC WHERE THE EXISTING SPACE AND CONSTRUCTION DOES NOT ALLOW A REDUCTION IN PITCH OR SLOPE.
2. HANDRAILS OTHERWISE REQUIRED TO COMPLY WITH SECTION 1011.11 OF THE VCC SHALL NOT BE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF SECTION 1014.6 OF THE VCC REGARDING FULL EXTENSION OF THE HANDRAILS WHERE SUCH EXTENSIONS WOULD BE HAZARDOUS DUE TO PLAN CONFIGURATION.
3. WHERE THE CURRENT LEVEL OF SAFETY OR SANITATION IS PROPOSED TO BE REDUCED, THE PORTION ALTERED SHALL CONFORM TO THE REQUIREMENTS OF THE VCC.
4. ALTERATIONS COMPLYING WITH THE REQUIREMENTS OF THE BUILDING CODE UNDER WHICH THE BUILDING OR STRUCTURE OR THE AFFECTED PORTIONS THEREOF WAS BUILT, OR AS PREVIOUSLY APPROVED BY THE BUILDING OFFICIAL, SHALL BE CONSIDERED IN COMPLIANCE WITH THE PROVISIONS OF THIS CODE. NEW STRUCTURAL MEMBERS ADDED AS PART OF THE ALTERATION SHALL COMPLY WITH THE VCC. ALTERATIONS OF EXISTING BUILDINGS IN FLOOD HAZARD AREAS SHALL COMPLY WITH SECTION 601.3.

601.2 LEVELS OF ALTERATIONS. ALTERATIONS TO ANY BUILDING OR STRUCTURE SHALL BE CLASSIFIED AS ONE OF THE FOLLOWING:

601.2.1 LEVEL 1. LEVEL 1 ALTERATIONS INCLUDE THE REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SERVE THE SAME PURPOSE, OR THE REMOVAL WITHOUT REPLACEMENT OF MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES. LEVEL 1 ALTERATIONS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF SECTION 602.

601.2.2 LEVEL 2. LEVEL 2 ALTERATIONS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF SECTIONS 602 AND 603 AND SHALL INCLUDE THE FOLLOWING:
1. THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW.
2. THE ADDITION OR ELIMINATION OF ANY WALL, FLOOR, OR CEILING ASSEMBLY.
3. THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM.
4. THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT, MATERIALS, ELEMENTS, OR FIXTURES.

601.5 ACCESSIBILITY. ACCESSIBILITY SHALL BE PROVIDED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF SECTION 404.

LEVEL 1 ALTERATIONS, SECTION 602

602.2 CONFORMANCE. ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE FOLLOWING:
1. LEVEL OF FIRE PROTECTION THAT IS EXISTING.
2. LEVEL OF PROTECTION THAT IS EXISTING FOR THE MEANS OF EGRESS.

602.3.1 INTERIOR FINISHES. ALL NEWLY INSTALLED INTERIOR FINISH AND TRIM MATERIALS AND WALL, FLOOR AND CEILING FINISHES SHALL COMPLY WITH CHAPTER 8 OF THE VCC.

LEVEL 2 ALTERATIONS, SECTION 603

603.2 LEVEL 1 ALTERATIONS COMPLIANCE. IN ADDITION TO THE REQUIREMENTS OF THIS SECTION, ALL ALTERATIONS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF SECTION 602.

603.3 COMPLIANCE. ALL NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE VCC. EXCEPTIONS:
1. WINDOWS MAY BE ADDED WITHOUT REQUIRING COMPLIANCE WITH THE LIGHT AND VENTILATION REQUIREMENTS OF THE VCC.
2. WHERE AN APPROVED AUTOMATIC SPRINKLER SYSTEM IS INSTALLED THROUGHOUT THE STORY, THE REQUIRED FIRERESISTANT RATING FOR ANY CORRIDOR LOCATED ON THE STORY SHALL BE PERMITTED TO BE REDUCED IN ACCORDANCE WITH THE VCC. IN ORDER TO BE CONSIDERED FOR A CORRIDOR RATING REDUCTION, SUCH SYSTEM SHALL PROVIDE COVERAGE FOR THE STAIRWAY LANDINGS SERVING THE FLOOR AND THE INTERMEDIATE LANDINGS IMMEDIATELY BELOW.
3. IN OTHER THAN GROUPS A AND H OCCUPANCIES, THE MAXIMUM LENGTH OF A NEWLY CONSTRUCTED OR EXTENDED DEAD-END CORRIDOR SHALL NOT EXCEED 50 FEET ON FLOORS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH THE VCC.
4. THE MINIMUM CEILING HEIGHT OF THE NEWLY CREATED HABITABLE AND OCCUPIABLE SPACES AND CORRIDORS SHALL BE 7 FEET.
5. WHERE PROVIDED IN BELOW-GRADE TRANSPORTATION STATIONS, NEW ESCALATORS SHALL BE PERMITTED TO HAVE A CLEAR WIDTH OF LESS THAN 32 INCHES.

603.4 FIRE-RESISTANT RATINGS. IN BUILDINGS WHERE AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2 OF THE VCC HAS BEEN ADDED, AND THE BUILDING IS NOW SPRINKLERED THROUGHOUT, THE REQUIRED FIRERESISTANCE RATINGS OF BUILDING ELEMENTS AND MATERIALS SHALL BE PERMITTED TO MEET THE REQUIREMENTS OF THE CURRENT BUILDING CODE.

603.5 MECHANICAL. IN MECHANICALLY VENTILATED SPACES, EXISTING MECHANICAL VENTILATION SYSTEMS THAT ARE ALTERED, RECONFIGURED, OR EXTENDED SHALL PROVIDE NOT LESS THAN 5 CUBIC FEET PER MINUTE (CFM) PER PERSON OF OUTSIDE AIR AND NOT LESS THAN 15 CFM OF VENTILATION AIR PER PERSON OR NOT LESS THAN THE AMOUNT OF VENTILATION AIR DETERMINED BY THE INDOOR AIR QUALITY PROCEDURE OF ASHRAE 62.1.

603.7 STRUCTURAL. STRUCTURAL ELEMENTS AND SYSTEMS WITHIN BUILDINGS UNDERGOING LEVEL 2 ALTERATIONS SHALL COMPLY WITH SECTION 603.7.1 THROUGH 603.7.6.

603.7.1 NEW STRUCTURAL ELEMENTS. NEW STRUCTURAL ELEMENTS IN ALTERATIONS, INCLUDING CONNECTIONS AND ANCHORAGE, SHALL COMPLY WITH THE VCC.

603.7.2 MINIMUM DESIGN LOADS. THE MINIMUM DESIGN LOADS ON EXISTING ELEMENTS OF A STRUCTURE THAT DO NOT SUPPORT ADDITIONAL LOADS AS A RESULT OF AN ALTERATION SHALL BE THE LOADS AT THE TIME THE BUILDING WAS CONSTRUCTED.

CHAPTER 8 ADDITIONS

801.1 SCOPE. ADDITIONS TO ANY BUILDING OR STRUCTURE SHALL COMPLY WITH THE REQUIREMENTS OF THE VCC FOR NEW CONSTRUCTION WITHOUT REQUIRING THE EXISTING BUILDING OR STRUCTURE TO COMPLY WITH ANY REQUIREMENTS OF THOSE CODES OR OF THESE PROVISIONS, EXCEPT AS REQUIRED BY THIS CHAPTER. WHERE AN ADDITION IMPACTS THE EXISTING BUILDING OR STRUCTURE, THAT PORTION SHALL COMPLY WITH THIS CODE. WHERE A FIRE WALL THAT COMPLIES WITH SECTION 706 OF THE VCC IS PROVIDED BETWEEN THE ADDITION AND THE EXISTING BUILDING, THE ADDITION SHALL BE CONSIDERED A SEPARATE BUILDING.
NOTE: WHERE ONE OR MORE NEWLY CONSTRUCTED FIRE WALLS THAT COMPLY WITH SECTION 706 OF THE VCC ARE PROVIDED BETWEEN AN EXISTING BUILDING, STRUCTURE OR PORTIONS THEREOF AND A NEW BUILDING, THIS CHAPTER IS NOT APPLICABLE PER SECTION 102.2.3.

801.2 CREATION OR EXTENSION OF NONCONFORMITY. AN ADDITION SHALL NOT CREATE OR EXTEND ANY NONCONFORMITY IN THE EXISTING BUILDING TO WHICH THE ADDITION IS BEING MADE WITH REGARD TO ACCESSIBILITY, STRUCTURAL STRENGTH, FIRE SAFETY, MEANS OF EGRESS, OR THE CAPACITY OF MECHANICAL, PLUMBING, OR ELECTRICAL SYSTEMS. ALTERATIONS TO THE EXISTING BUILDING OR STRUCTURE SHALL BE MADE SO THAT THE EXISTING BUILDING OR STRUCTURE, TOGETHER WITH THE ADDITION, ARE NO LESS CONFORMING TO THE PROVISIONS OF THE VCC THAN THE EXISTING BUILDING OR STRUCTURE WAS PRIOR TO THE ADDITION.

802.1 HEIGHT LIMITATIONS. NO ADDITION SHALL INCREASE THE HEIGHT OF AN EXISTING BUILDING BEYOND THAT PERMITTED UNDER THE APPLICABLE PROVISIONS OF CHAPTER 5 OF THE VCC FOR NEW BUILDINGS.

802.2 AREA LIMITATIONS. NO ADDITION SHALL INCREASE THE AREA OF AN EXISTING BUILDING BEYOND THAT PERMITTED UNDER THE APPLICABLE PROVISIONS OF CHAPTER 5 OF THE VCC FOR NEW BUILDINGS UNLESS FIRE SEPARATION AS REQUIRED BY THE VCC IS PROVIDED.

802.3 FIRE PROTECTION SYSTEMS. EXISTING FIRE AREAS INCREASED BY THE ADDITION SHALL COMPLY WITH CHAPTER 9 OF THE VCC.

803.1 COMPLIANCE WITH THE VCC. ADDITIONS TO EXISTING BUILDINGS OR STRUCTURES ARE NEW CONSTRUCTION AND SHALL COMPLY WITH THE VCC.

CODE INFORMATION – NEW CONSTRUCTION

THE FOLLOWING IS A REVIEW OF THE APPLICABLE SECTIONS OF THE 2021 VIRGINIA CONSTRUCTION CODE AS IT APPLIES TO THE NEW ELEVATOR SHAFT AND ELEVATOR FOR THE EXISTING DREWRY MASON ELEMENTARY SCHOOL.

BUILDING TYPE	EDUCATION
IBC OCCUPANCY GROUP	E
CONSTRUCTION TYPE	TYPE IIB
FULLY SPRINKLED	NO
EXTERIOR BEARING WALLS	0 HR. (1 HR. 0' TO 10' SEPARATION) - 2021 VCC TABLE 601
EXTERIOR NON-BEARING WALLS	0 HR. (1 HR. 0' TO 10' SEPARATION) - 2021 VCC TABLE 705.5
FIRE BARRIER WALLS	1 HR.
ATRIUM FIRE BARRIER SEPARATION	N/A
FIRE WALLS	2 HR. - 2021 VCC TABLE 706.4, EXCEPTION A
STAIR ENCLOSURE	N/A
ATRIUM STAIRS	N/A
EXIT ACCESS STAIR ENCLOSURES	N/A
OPEN EXIT ACCESS STAIR WALL	N/A
ENCLOSED SPACE UNDER STAIRS	N/A
DUCTS THRU NON-FIRE-RESISTANCE FLOOR ASSEMBLIES	NO RATING - THE ANNULAR SPACE AROUND THE PENETRATING DUCT IS PROTECTED W/ APPROVED NON-COMBUSTIBLE MATERIAL - 2021 VCC 717.6.3,2
ELEVATOR SHAFT	1 HR. - 2021 VCC 713.4 FIRE-RESISTANCE RATING
CORRIDORS	0 HR WITHOUT SPRINKLER - 2021 VCC TABLE 1020.2
MIN. CORRIDOR WIDTH	N/A
INTERIOR BEARING WALLS	N/A
INTERIOR NON-BEARING WALLS	0 HR
WALLS AROUND STAGE/PLATFORM	N/A
STRUCTURAL FRAME	0 HR
FLOOR/CEILING CONSTRUCTION	0 HR
ROOF/CEILING CONSTRUCTION	0 HR
ROOF COVERING CLASSIFICATION	MIN CLASS B WTH FIRE WALLS
DRAFTSTOPPING	NOT REQUIRED WITH NON-COMBUSTIBLE CONSTRUCTION
ATRIUM SMOKE CONTROL	N/A
ATRIUM SMOKE CONTROL	N/A
STAGE EMERGENCY VENTILATION	N/A
INTERIOR FINISHES	CLASS B, MOST CLASS C
TRAVEL DISTANCE	200' - 2021 VCC TABLE 1017.2
TRAVEL DISTANCE THROUGH ATRIUM	N/A
COMMON PATH OF TRAVEL	75'
DEAD ENDS	20' - 2021 VCC 1020.5
EXITS PER FLOOR	EGRESS EXITS AND OCCUPANT LOAD TO REMAIN UNCHANGED
DESIGN OCCUPANCY	OCCUPANT LOAD TO REMAIN UNCHANGED
EGRESS CAPACITY - REQUIRED	EGRESS CAPACITY AND OCCUPANT LOAD TO REMAIN UNCHANGED
ALLOWABLE FLOOR AREA	14,500 SF - 2021 VCC TABLE 506.2
TOTAL ALLOWABLE STORY / HEIGHT	2 STORIES / 55' - 2021 VCC TABLES 504.3 AND 504.4 NOTE: EXISTING BUILDING HAS 3 FLOORS
DESIGN FLOOR AREA	134 GROSS SF; 97 NET SF < 14,500 ~ OK
DESIGN STORY / HEIGHT	3 STORIES > 2 STORIES; 42' < 55' NO EXCEPTIONS: THE RATED ELEVATOR SHAFT IS CONSIDERED A SEPARATE BUILDING AND WILL PROVIDE ACCESSIBLE ACCESS TO ALL FLOORS THAT ARE CURRENTLY NOT ACCESSIBLE
IN-BUILDING COMMUNICATIONS	PRIOR TO INSTALLATION OF FINISHED CEILINGS, THE FIRE MARSHAL'S STAFF SHALL BE ALLOWED ACCESS TO THE SITE TO CONDUCT FIELD TESTS VERIFYING THAT THE REQUIRED LEVEL OF RADIO COVERAGE IS PRESENT THROUGHOUT THE BUILDING. THE TEST SHOULD BE CONDUCTED IN ACCORDANCE WITH CHAPTER 9 OF THE 2021 VCC. THE GC SHALL BE RESPONSIBLE FOR COORDINATING THESE EFFORTS WITH THEIR SUBS TO ALLOW INSTALLATION OF REQUIRED SYSTEMS WITH NO DEMOLITION BEING NECESSARY FOR INSTALLATION IF REQUIRED.

2021 VIRGINIA ENERGY CONSERVATION CODE – NEW CONSTRUCTION (PRESCRIPTIVE METHOD)

THE FOLLOWING ARE THE PRESCRIPTIVE CODE GUIDELINES, MET BY THE PROJECT DESIGN FOR NEW ADDITIONS TO THE SCHOOL.

MARTINSVILLE, VA CLIMATE ZONE 4A

BUILDING ENVELOPE REQUIREMENTS – OPAQUE THERMAL ASSEMBLIES - TABLE C402.1.3

ROOF	INSULATION ENTIRELY ABOVE DECK - R-30CI, WHERE CI = CONTINUOUS INSUL, TYP **SEE NOTE BELOW**
WALLS	MASS (CMU) - R-9.5 CI
BELOW GRADE WALLS	R-7.5 CI
SLAB-ON-GRADE	UNHEATED SLAB R-15 FOR 24" BELOW
FENESTRATION	N/A

AIR BARRIER

A CONTINUOUS AIR BARRIER WILL BE PROVIDED AT THE ELEVATOR SHAFT ENVELOPE AND EXISTING WALL OPENING INFILLS. ALL JOINTS AND SEAMS WILL BE SEALED, INCLUDING ACROSS ALL CHANGES IN ASSEMBLY AND MATERIAL. CLOSED CELL SPRAYED FOAM INSULATION WITH A MINIMUM DENSITY OF 1.5 PCF AND HAVING A THICKNESS OF NOT LESS THAN 1 ½ INCHES COMPLIES WITH THIS REQUIREMENT.

NOTE:

C402.1.4.1.1 TAPERED, ABOVE-DECK INSULATION BASED ON THICKNESS.

WHERE USED AS A COMPONENT OF A MAXIMUM ROOF/CEILING ASSEMBLY U-FACTOR CALCULATION, THE SLOPED ROOF INSULATION R-VALUE CONTRIBUTION TO THAT CALCULATION SHALL USE THE AVERAGE THICKNESS IN INCHES (MM) ALONG WITH THE MATERIAL R-VALUE-PERINCH (PER-MM) SOLELY FOR U-FACTOR COMPLIANCE AS PRESCRIBED IN SECTION C402.1.4.

AVERAGE ROOF INSULATION ENTIRELY ABOVE DECK TO BE MINIMUM 5"

MARK	DATE	BY	DESCRIPTION
REVISIONS			

DATE	2/28/25
PROJECT	21195-10
DESIGNED	RRMM
DRAWN	RRMM
CHECKED	ACG

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02/28/2025
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PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148
VIRGINIA DEPARTMENT OF EDUCATION: ??

DRAWING
BUILDING CODE ANALYSIS

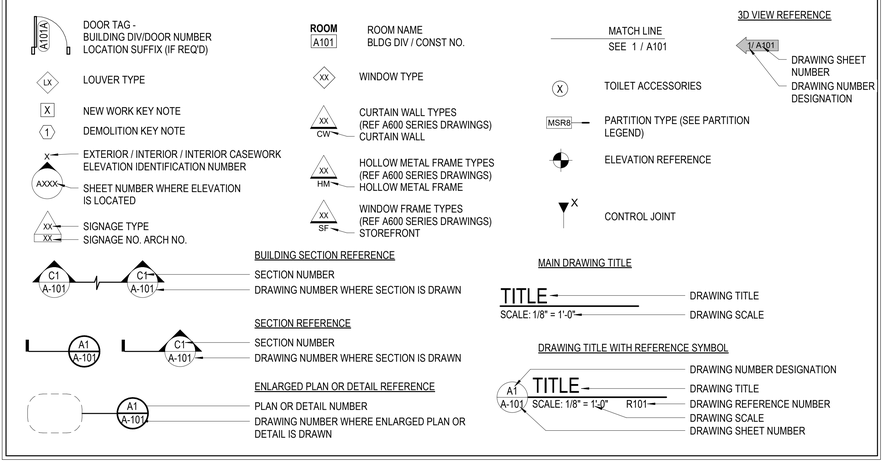
SHEET
LS102

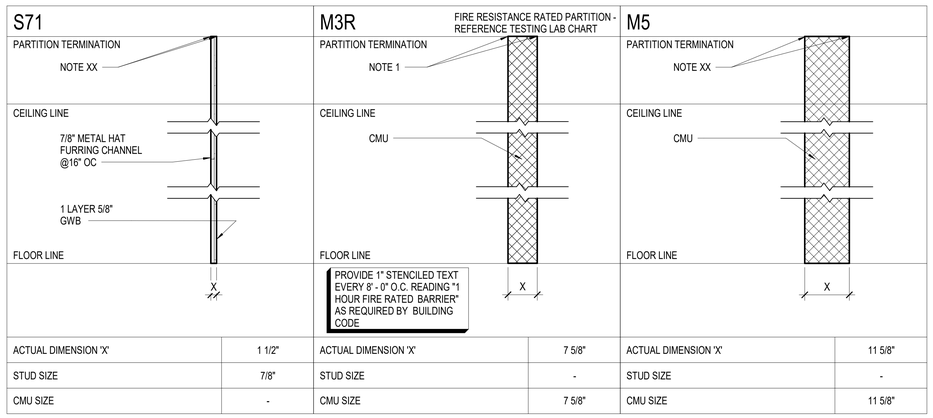
2/21/2025 3:00:07 PM Autodesk Docs://21195-10 HCPS Drewry Mason ES/21195-10 v24 HCPS Drewry Mason ES Elevator - ARCH.rvt

ABBREVIATIONS

#	NUMBER
&, +	AND
+/-	PLUS OR MINUS
@	AT
°	DEGREES
Ø	DIAMETER
Ω	ARC LENGTH
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ABV	ABOVE
ACM	ASBESTOS CONTAINING MATERIAL
ACP	ACOUSTIC CEILING PANEL
ACT	ACOUSTIC CEILING TILE
ADDN	ADDITION
ADH	ADHESIVE
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMP, A	AMPERE
ANCH	ANCHOR, ANCHORAGE
ANOD	ANODIZED
AP	ACCESS POINT
APC	ARCHITECTURAL PRECAST CONCRETE
APPROX	APPROXIMATE
AR	ABUSE RESISTANT
ARCH	ARCHITECT, ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
ATTEN	ATTENUATION
AUTO	AUTOMATIC
AVG	AVERAGE
AWP	ACOUSTIC WALL PANEL
BC	BOTTOM OF CURB
BD	BOARD
BEJ	BUILDING EXPANSION JOINT
BETW	BETWEEN
BIT	BITUMINOUS
BL	BLEACHER FINISH
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOT, B	BOTTOM
BRG	BEARING
BRK	BRICK
BS	BOTH SIDES
BSMT	BASEMENT
BTWN, B/W	BETWEEN
BUR	BUILT-UP ROOFING
BVL	BEVELED
C	CARPET
CAB	CABINET
CAP	CAPACITY
CB	CHALKBOARD
CC	CUBICAL CURTAIN
CCTV	CLOSED CIRCUIT TELEVISION
CEM	CEMENT
CEM TOP	CEMENT TOPPING
CER	CERAMIC
CF	CUBIC FOOT
CFLSHG	COUNTER FLASHING
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CHAM	CHAMFER
CI	CAST IRON
CIP	CAST IN PLACE
CIR	CIRCLE
CJ	CONTROL JOINT
CK	CAULK, CAULKING
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CM	CENTIMETER, CENTIMETERS
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEAN OUT
COL	COLUMN
COMM	COMMUNICATION
COMP	COMPOSITE
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT, CONTRACTOR
CORR	CORRUGATED
CPT	CARPET
CRS	COURSE. COURSES
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CU FT	CUBIC FEET
CU YD	CUBIC YARD
CUH	CABINET UNIT HEATER
CW	COLD WATER
CWFP	CEMENTITIOUS WOOD FIBER PANELS
D	DEEP, DEPTH, DRAIN
DBL	DOUBLE
DEMO	DEMOLITION
DET / DTL	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPOSAL
DIV	DIVISION
DL	DEAD LOAD
DMT	DEMOUNTABLE
DN	DOWN
DPG	DAMPPROOFING
DPR	DISPENSER
DR	DOOR, DISPLAY RAIL
DS	DOWNSPOUT
DWG	DRAWING
DWR	DRAWER
E	EAST
EA	EACH
EF	EXHAUST FAN
EFS	EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELAS	ELASTOMERIC
ELEC	ELECTRICAL
ELEV	ELEVATION, ELEVATOR
EM	ENTRANCE MAT
EMER	EMERGENCY
ENCL	ENCLOSE, ENCLOSURE
EP	ELECTRICAL PANELBOARD
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EPS	EXPANDED POLYSTYRENE
EPX	EPOXY
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE
EWC	ELECTRIC WATER COOLER
EXCA	EXCAVATE
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED / EXPANSION
EXP C	EXPANSION CONSTRUCTION
EXT	EXTERIOR
FAB	FABRICATE
FAS	FASTEN, FASTENER
FB	FACE BRICK
FCVD	FLASH COVED
FD	FLOOR DRAIN, FIRE DAMPER
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FEJ	FLOOR EXPANSION JOINT
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FG	FIBER REINFORCED GYPSUM BOARD
FGL	FIBERGLASS
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIN	FINISH, FINISHED
FIX	FIXTURE
FLEX	FLEXIBLE
FLR	FLOOR
FLSHG	FLASHING
FLUOR	FLUORESCENT
FLUR	FLUORESCENT
FND	FEMININE NAPKIN DISPENSER
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FP	FIREPROOF
FPL	FIREPLACE
FR	FIRE RATED
FRG	(GLASS) FIBER REINFORCED GYPSUM
FRM	FRAME, FRAMED
FRMG	FRAMING
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FT	FOOT, FEET
FTG	FOOTING
FUM	FUME HOOD
FUR	FURRED, FURRING
FURN	FURNITURE
FURR	FURRING
G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACT, CONTRACTOR
GCMU	GLAZED FIBER REINFORCED CONCRETE
GEN	GENERAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GL	GLASS, GLAZING
GPM	GALLONS PER MINUTE
GR	GRADE / GROUT
GSU	GLAZED STRUCTURAL UNIT
GWB	GYPSUM WALLBOARD
GWT	GLAZED WALL TILE
GYP	GYPSUM
H	HIGH
H/C	HANDICAPPED
HB	HOSE BIB
HC	HOLLOW CORE
HD	HAND
HDBD	HARDBOARD
HDWD	HARDWOOD
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HTG	HEATING
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HW	HOT WATER
HWH	HOT WATER HEATER
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE, INCLUDED, INCLUDING
INFO	INFORMATION
INST	INSTALLATION
INSUL	INSULATE, INSULATED, INSULATION
INT	INTERIOR
INTRLK	INTERLOCK
INV	INVERT
JAN	JANITOR
JB	JUNCTION BOX
JC	JANITOR CLOSET
JCT	JUNCTION
JST	JOIST
JT	JOINT
KIT	KITCHEN
KO	KNOCKOUT
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
L	LENGTH, LONG, LOW
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LB	POUND
LF	LINEAR FEET
LG	LAMINATED GLASS
LH	LEFT HAND
LIN	LINEAR
LK	LOCKER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LTG	LIGHTING
LTL	LINTEL
LVR	LOUVER
LW	LIGHTWEIGHT
M	METER
M/S	MOP SINK
MACH	MACHINE
MAINT	MAINTENANCE
MANUF	MANUFACTURE, MANUFACTURER
MAR	MARBLE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKERBOARD
MBR	MODIFIED BITUMEN ROOF
MECH	MECHANIC, MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLD	MOLDING
MM	MILLIMETER
MO	MASONRY OPENING
MOD	MODIFIED
MOV	MOVABLE
MR	MAP RAIL
MT	MOUNT
MTD	MOUNTED, MOUNTING
MTL	METAL
MULL	MULLION
MWP	MEMBRANE WATERPROOFING
N	NORTH
N/C	NO CHARGE
NAT	NATURAL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OA	OVERALL
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
P	PLATE
PAR	PARALLEL
PART	PARTIAL
PC	PRE-CAST, PIECE
PED	PEDESTAL
PERF	PERFORATE (D)
PERM	PERIMETER
PIP	POURED IN PLACE
PL	PROPERTY LINE / PLASTIC LAMINATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLUMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
POLY	POLYURETHANE
PORT	PORCELAIN TILE
PORTB	PORCELAIN TILE BASE
PPT	PRESERVATIVE PRESSURE TREATED
PR	PAIR
PREFAB	PREFABRICATE, PREFABRICATED
PREFIN	PRE-FINISHED
PRJ SC	PROJECTION SCREEN
PRT	PORCELAIN TILE
PS	PENCIL SHARPENER
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT
PTD	PAINTED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE / PVC EDGE BAND
PVMT	PAVEMENT
QT	QUARRY TILE
QTY	QUANTITY
R	RISER, RIDGE
R/W	RIGHT OF WAY
RA	RETURN AIR
RAD	RADIUS
RAS	RESILIENT ATHLETIC SURFACING
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RECP	RECEPTACLE
REF	REFERENCE
REFRIG	REFRIGERATOR
REINF	REINFORCE, REINFORCED, REINFORCING
REM	REMOVE
REQD	REQUIRED
REQMT	REQUIREMENT
RESIL	RESILIENT
RET	RETURN
REV	REVISION, REVISIONS, REVISED
RFG	ROOFING
RFL	REFLECT, REFLECTED, REFLECTIVE
RH	RIGHT HAND
RL	RAIN LEADER
RM	ROOM
RO	ROUGH OPENING
RSHT	RESILIENT SHEET
RT	RUBBER TILE / RUBBER TREAD
RTU	ROOF TOP UNIT
S	SOUTH
S/S	STAINLESS STEEL, SERVICE SINK
SAB	SOUND ATTENUATION BLANKET
SAN	SANITARY SEWER
SAPC	SUSPENDED ACOUSTIC PANEL CEILING
SC	SOLID CORE, SEALED CONCRETE
SCHED	SCHEDULE
SCW	SOLID CORE WOOD
SD	SOAP DISPENSER, STORM DRAIN
SEC	SECTION
SF	SQUARE FEET
SFGL	SAFETY GLASS
SHLVG	SHELVING
SHM	SECURITY HOLLOW METAL
SHT	SHEET
SHTH	SHEATHING
SIM	SIMILAR
SLR	SEALER
SN	STAGE NOSE
SND	SANITARY NAPKIN DISPOSER
SOF	SPRAY-ON FIREPROOFING
SPEC	SPECIFICATION, SPECIFICATIONS
SPK	SPEAKER
SQ	SQUARE
SS	SOLID SURFACE
ST	STAIN, STONE
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STFT	STOREFRONT
STL	STEEL
STOR	STORAGE
STRUC	STRUCTURAL
SUB	SUBSTITUTE
SUSP	SUSPENDED
SYM	SYMMETRICAL, SYMMETRY
SYN	SYNTHETIC
SYS	SYSTEM
T	TREAD
T&B	TOP & BOTTOM
TB	TACK BOARD
TEL	TELEPHONE
TEMP	TEMPORARY, TEMPERED
TERR	TERRAZZO
TG	TONGUE & GROVE
THK	THICK, THICKNESS
THRES	THRESHOLD
THRU	THROUGH
TO	TOP OF
TOC	TOP OF CURB
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TOILET PARTITION
TPT	TEXTURED PAINT
TRTD	TREATED
TSC	TEACHERS STORAGE CABINET
TTD	TOILET TISSUE DISPENSER
TV	TELEVISION
TW	TEACHERS WARDROBE
TYP	TYPICAL
UC	UNDERCUT
UG	UNDER GROUND
UH	UNIT HEATER
UNF	UNFINISHED
UON	UNLESS OTHERWISE NOTED
V	VOLT, VALLEY
VAC	VACUUM
VAR	VARNISH
VB	VENTED BASE
VCT	VINYL COMPOSITION TILE
VEN	VENEER
VERT	VERTICAL
VEST	VESTIBULE
VR	VAPOR RETARDER
VT	VINYL TILE
VTR	VENT THRU ROOF
VWC	VINYL WALL COVERING
W	WEST, WIDE, WIDTH
W/	WITH
W/O	WITHOUT
WAIN	WAINSCOT
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD / WOOD FLOORING
WDB	WOOD BASE
WDW	WINDOW
WGL	WIRE GLASS
WH	WATER HEATER
WI	WROUGHT IRON
WMS	WIRE MANAGEMENT SLOT
WP	WATERPROOFING
WPT	WORKING POINT
WR	WASTE RECEPTACLE
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

ARCHITECTURAL GRAPHIC SYMBOLS





PARTITION TYPES

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

PARTITION TYPE NOTES

1. PARTITION TERMINATION LOCATION & CONDITIONS MAY VARY. REFER TO REFLECTED CEILING PLANS FOR PARTITION TERMINATION LEGEND.
2. REFER TO LIFE SAFETY PLAN FOR LOCATIONS AND RATING OF FIRE RATED PARTITIONS. REFERENCE TESTING LAB CHART THIS SHEET FOR UL ASSEMBLIES ASSOCIATED WITH FIRE RESISTANCE RATED PARTITIONS.
3. PARTITION TYPES DO NOT INCLUDE ALL APPLIED FINISHES. REFER TO FINISH SCHEDULE.
4. USE FIRE RATED GYPSUM BOARD AT FIRE RATED GYPSUM BOARD PARTITIONS.
5. FOR PARTITIONS WITH SINGLE SIDED GYP BD APPLICATIONS, PROVIDE FLAT STRAP BRACING AT 48" OC MIN FOR FULL LENGTH OF WALL

TESTING LAB CHART

PARTITIONS		
PARTITION TYPE	1 HR RATING	2 HR RATING
M3R	#U906*	#U906*
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
CEILINGS		
CEILING TYPE	1 HR RATING	2 HR RATING
-	-	-
-	-	-

* ASSEMBLY PROVIDES FOR 2 HR FIRE RATING BY CONSTRUCTION; 1 HR OR 2 HR FIRE RATING REQUIRED - REF LIFE SAFETY PLANS.

ARCHITECTURAL MATERIAL LEGEND

- CONTINUOUS WOOD BLOCKING
- CONCRETE MASONRY UNIT
- CAST-IN-PLACE CONCRETE
- STEEL
- EARTH / COMPACT FILL
- BATT INSULATION
- POROUS FILL / GRAVEL
- RIGID INSULATION
- GYPSUM BOARD
- RESILIENT FLOORING / PLASTIC LAMINATE
- ALUMINUM
- FINISHED WOOD
- WOOD BLOCKING
- BRICK
- GLASS
- ACOUSTICAL TILE
- PLYWOOD
- CERAMIC TILE - LARGE SCALE
- SAND / MORTAR / PLASTER
- GRAVEL

MARK	DATE	BY	DESCRIPTION
REVISIONS			

DATE	2/28/25
PROJECT	21195-10
DESIGNED	4444
DRAWN	33333
CHECKED	5555

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COMMONWEALTH OF VIRGINIA
CHRISTOPHER A. PHILLIPS
Lic. No. 015174
02/28/2025
ARCHITECT

VIRGINIA DEPARTMENT OF EDUCATION: ??

PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148

DRAWING
ARCHITECTURAL GENERAL INFORMATION, PARTITION TYPES & TERMINATION DETAILS

SHEET
A-001

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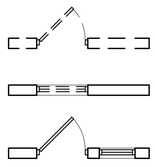
ⓧ DEMOLITION KEYNOTES

1. SAWCUT AND REMOVE PORTION OF EXTERIOR BRICK AND CMU INFILL FOR EXTENT AS INDICATED. LOCATE NEAREST MORTAR JT. COORDINATE W/ NEW WORK REQUIREMENTS. PATCH AND REPAIR ADJACENT WALLS AND FLOORS TO REMAIN. PREPARE EXISTING SURFACES FOR NEW WORK
2. REMOVE WINDOW AND FRAME COMPLETE INCLUDING WINDOW TRIM AND STOOL
3. REMOVE PORTION OF EXISTING SIDEWALK AND PREPARE FOR NEW WORK. EXISTING WALK CONSISTS OF 4" CONC OVER POROUS FILL WITH STEEL REINFORMENT
4. REMOVE DOWNSPOUT AND CONNECTION TO STORM WATER. CAP ORIGINAL STORM WATER PIPE - REF TO MECH DWGS
5. REMOVE PORTION OF EXISTING CONCRETE WALL AND HANDRAIL. SAW CUT EXISTING TO PROVIDE FOR CLEAN SMOOTH JOINT AT REMOVAL POINT
6. REMOVE LENGTH OF EXISTING GUTTER AND FASCIA BOARD AS NECESSARY TO ACCOMMODATE NEW ELEVATOR SHAFT
7. REMOVE EXISTING WALL MOUNTED HVAC UNIT AND LOUVER, REF MECH DWGS.
8. REMOVE EXISTING WALL MOUNTED LIGHT. REF ELEC DWGS
9. REMOVE PORTION OF EXISTING TILE WAINSCOT TO EXTENT SHOWN
10. REMOVE PORTION OF EXISTING ASHPHALT PAVEMENT AND PREPARE FOR NEW WORK
11. REMOVE EXISTING 8" CMU AND 4" FACE BRICK BELOW WINDOW AND PREPARE FOR NEW WORK



EXISTING WALL AND/OR DOOR TO BE DEMOLISHED OR REMOVED

EXISTING WINDOW TO BE REMOVED

EXISTING WALL, WINDOW, AND/OR DOOR TO REMAIN

DEMO/NEW LEGEND

GENERAL DEMOLITION AND REPAIR NOTES

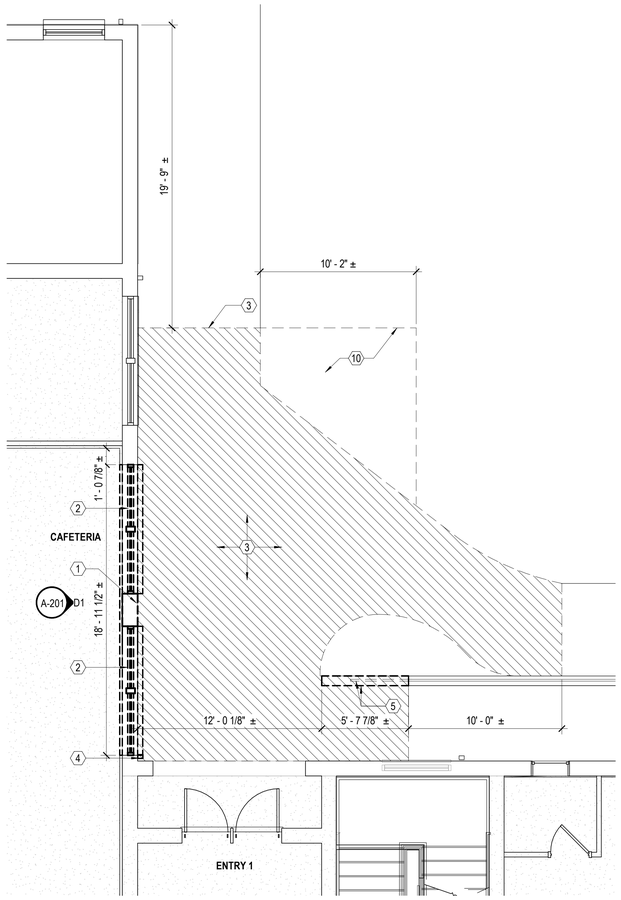
1. EXISTING FINISH FLOOR REFERENCE (0'-0") UNLESS NOTED OTHERWISE.
2. PLAN DIMENSIONS FOR EXISTING CONDITIONS ARE TO FACE OF MASONRY OR FINISHED FACE OF STUD PARTITION, UNLESS OTHERWISE NOTED. THICKNESSES OF MASONRY BASED ON NOMINAL SIZES. ALL DIMENSIONS SHOWN FOR EXISTING CONSTRUCTION ARE APPROXIMATE: FIELD VERIFY ALL DIMENSIONS.
3. ALL DEMOLITION WORK NOTED ON THESE DRAWINGS INVOLVES THE REMOVAL OF EXISTING CONSTRUCTION UNDER THE CONTRACT, AND SHALL BE COORDINATED WITH CORRESPONDING NEW WORK FLOOR PLANS AND DETAILS. REMOVE EXISTING CONSTRUCTION AS INDICATED FOR FINISH CONSTRUCTION AND NEW WORK TO CONFORM TO THE DETAILS.
4. DETAILS OF EXISTING CONDITIONS: ACTUAL FIELD CONDITIONS WHICH ARE CONCEALED BY EXISTING CONSTRUCTION MAY VARY SOMEWHAT FROM THOSE INDICATED IN DRAWINGS. ALL WORK THAT RELATES TO, OR IS IN ANY WAY AFFECTED BY, EXISTING CONDITIONS WHICH VARY FROM THOSE INDICATED SHALL BE MODIFIED AS REQUIRED BY FIELD CONDITIONS AND MEASUREMENTS. REPORT DISCREPENCIES TO THE ARCHITECT BEFORE PROCEEDING W/ AFFECTED ASPECTS OF CONSTRUCTION OR DEMOLITION.
5. REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
6. LIMITS INDICATED FOR DEMOLITION OF EXISTING BRICK AND CMU MASONRY ARE APPROXIMATE. REMOVE MASONRY UNITS TO NEAREST MORTAR JOINTS TO PERMIT "TOOTHING IN" OF NEW MASONRY TO EXISTING COURSING.
7. PREPARE FLOOR FOR NEW FINISHES SCHEDULED IN ACCORDANCE WITH MFR'S RECOMMENDATIONS FOR FINISH SUBSTRATE. FILL VOIDS AND CRACKS IN CONCRETE W/ SECTION 03300 REQUIREMENTS FOR CONCRETE REPAIR AS WELL AS SPEC SECTIONS FOR APPLIED FINISHES.
8. THE DEMOLITION DWGS INDICATE MAJOR ITEMS TO BE DEMOLISHED. MISCELLANEOUS ABANDONED CONDUIT, WALL PENETRATIONS (IE,SCREWS, NAILS MASONRY ANCHORS), WOOD BLKG AND OTHER VARIOUS ITEM'S FASTENED TO EXISTING WALLS MAY NOT BE INDICATED ON THE DWGS, REMOVE SUCH ITEMS THAT ARE NOT USED IN, OR CONCEALED BY, NEW WORK, PATCH AND REPAIR DAMAGE TO THE WALLS WHERE SUCH ITEMS ARE REMOVED.
9. PREPARE WALLS FOR NEW FINISHES SCHEDULED IN ACCORDANCE WITH MFR'S RECOMMENDATIONS FOR FINISH SUBSTRATE. FILL VOIDS AND CRACKS AS REQUIRED. PROVIDE MULTIPLE COATS (MIN 2 COATS) OF PRIMER @ EXPOSED MASONRY/ CMU TO PROVIDE A MORE UNIFORM SURFACE W/ ADJACENT PAINTED SURFACES.

GENERAL FLOOR PLAN NOTES

1. PLAN DIMENSIONS ARE FROM FACE OF CMU OR FACE OF STUD UNLESS OTHERWISE NOTED.
2. COORDINATE OPENING SIZE IN FRONT WALL OF ELEVATOR HOISTWAY IF REQ'D BY ELEVATOR MANUF TO ACCOMMODATE ELEVATOR CONTROL PANEL INSTALLATION.

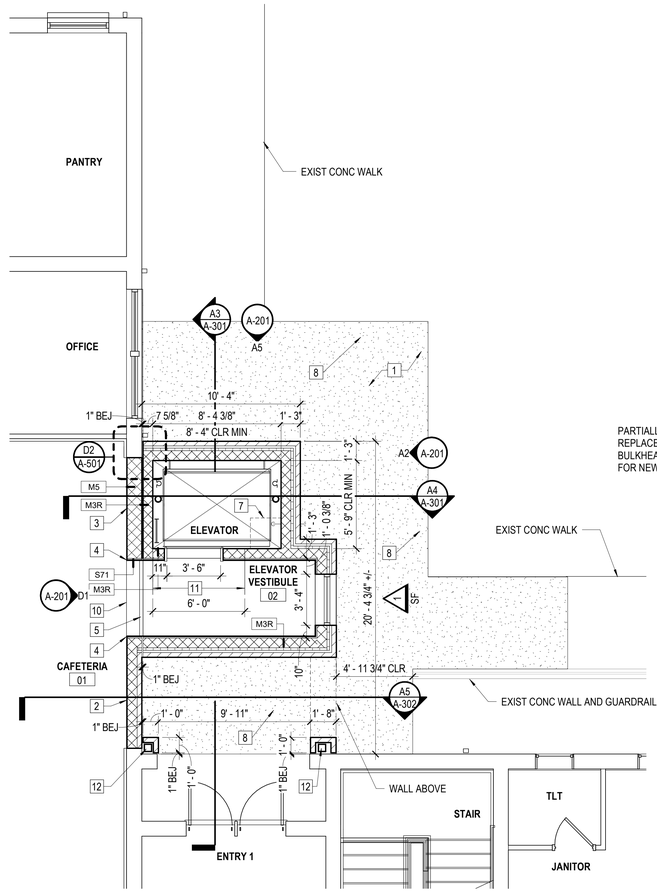
1 NEW WORK FLOOR PLAN KEYNOTES

1. NEW 4" REINF CONC SIDEWALK, MATCH ELEVATION OF EXISTING ASPHALT PAVING
2. INFILL WINDOW OPENING FROM SELECTIVE DEMOLITION WITH CMU, INSULATION AND BRICK VENEER TO MATCH EXISTING MASONRY WALL. INTERIOR FINISH WITH SURFACE APPLIED GWB TO MATCH ADJACENT - PAINT TO MATCH
3. INFILL OPENING FROM SELECTIVE DEMOLITION WITH CMU. INTERIOR FINISH TO MATCH ADJACENT EXISTING WALL
4. 5'-0" HIGH CORNER GUARDS, TYP @ EXPOSED GWB CORNERS
5. EXPANSION JOINT FLOOR COVER
6. ELEVATOR CONTROL PANEL
7. LINE OF SUMP PIT BELOW
8. SLOPE NEW WALK WAY FROM BUILDING TO PROVIDE FOR POSITIVE DRAINAGE, TYP
9. NEW 3x4 DOWNSPOUT TO MATCH ADJACENT CONNECT TO EXIST UNDERGOUND STORM
10. EDGE OF NEW LVT FLOORING PROVIDE VINYL TRANSITION STRIP.
11. PROVIDE 6-0" WIDE X 8'-4" MASONRY OPENING FOR ELEVATOR EQUIPMENT, INFILL OPENING WITH 8" CMU WALL AFTER ELEVATOR EQUIPMENT IS INSTALLED, COORDINATE EXACT LOCATION WITH ELEV MFR.
12. NEW STEEL COLUMN SEE STRUCT, ANCHOR FACE BRICK PILASTER TO STELL COLUMN WITH ADJUSTABLE ANCHORS.
13. PROVIDE 8'-4" X 8'-4" MASONRY OPENING FOR ELEVATOR EQUIPMENT, INFILL OPENING WITH 8" CMU WALL AFTER ELEVATOR EQUIPMENT IS INSTALLED, COORDINATE WITH ELEVATOR MFR.



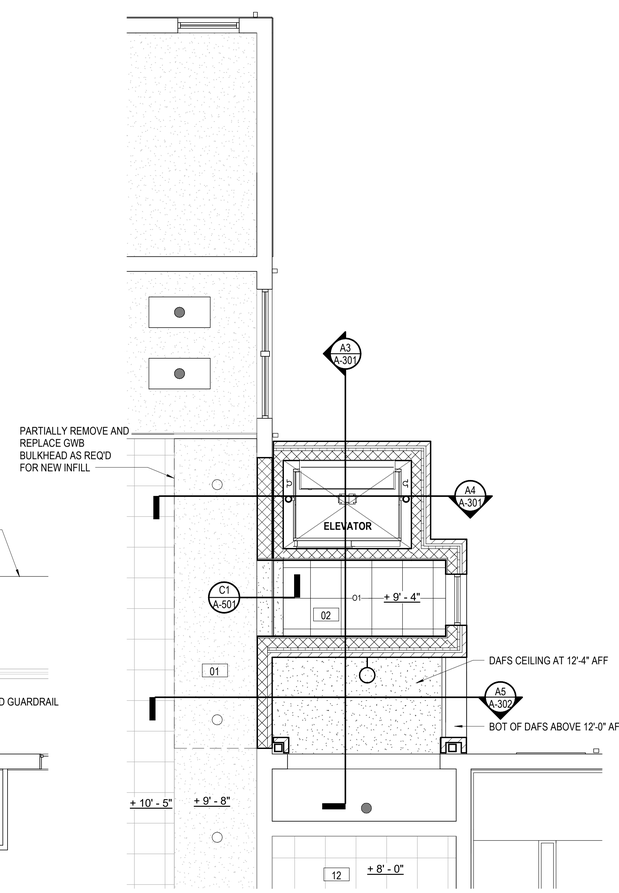
FIRST FLOOR DEMOLITION PLAN

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



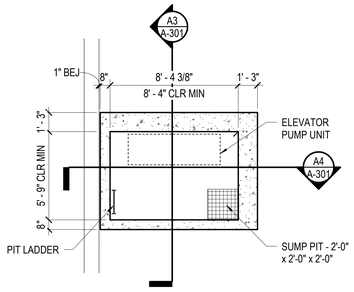
FIRST FLOOR PLAN

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



FIRST FLOOR RCP

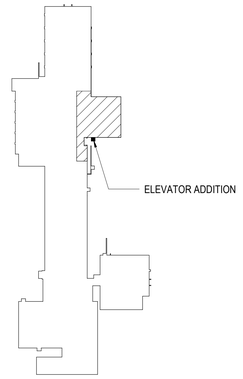
SCALE: 1/4" = 1'-0"



NOTE: REFER TO ELEV DETAILS ON SHEET A-601.

ELEVATOR PIT PLAN

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



KEY PLAN

NOT TO SCALE

TRUE NORTH PLAN NORTH

MARK	DATE	BY	DESCRIPTION
REVISIONS			

DATE	2/28/25
PROJECT	21195-10
DESIGNED	Designer
DRAWN	Author
CHECKED	Checker

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COMMONWEALTH OF VIRGINIA
CHRISTOPHER A. PHILLIPS
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02/28/2025
ARCHITECT

PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148

DRAWING
FIRST FLOOR AND ELEVATOR PIT PLANS

VIRGINIA DEPARTMENT OF EDUCATION: ??

SHEET
A-101

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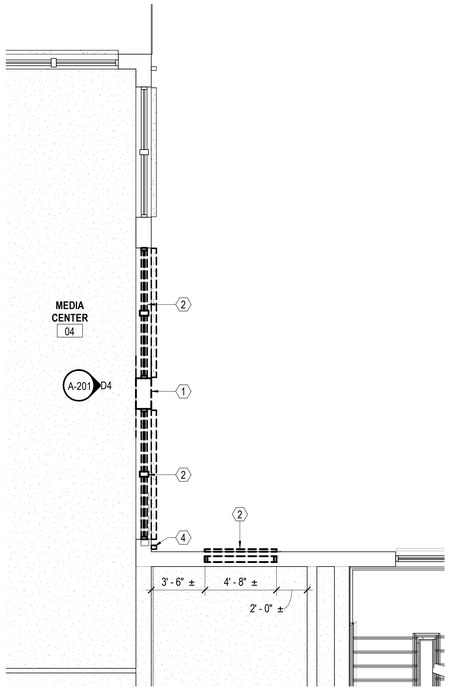
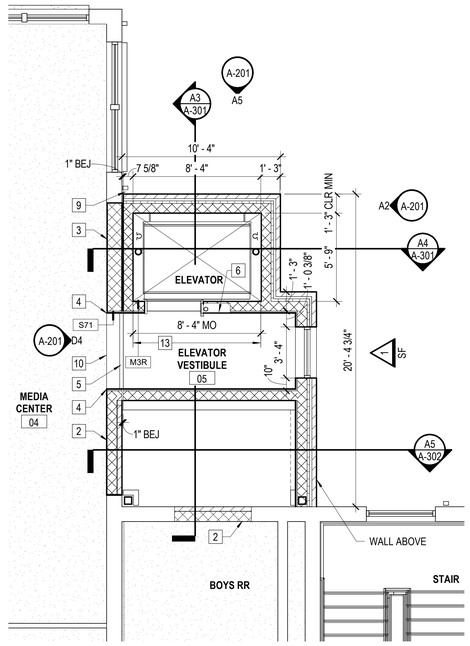


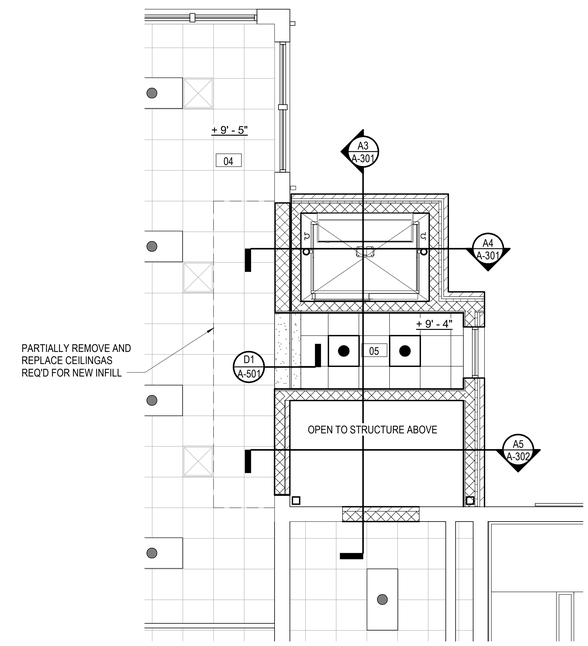
SECOND FLOOR DEMOLITION PLAN

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



SECOND FLOOR PLAN

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



SECOND FLOOR RCP

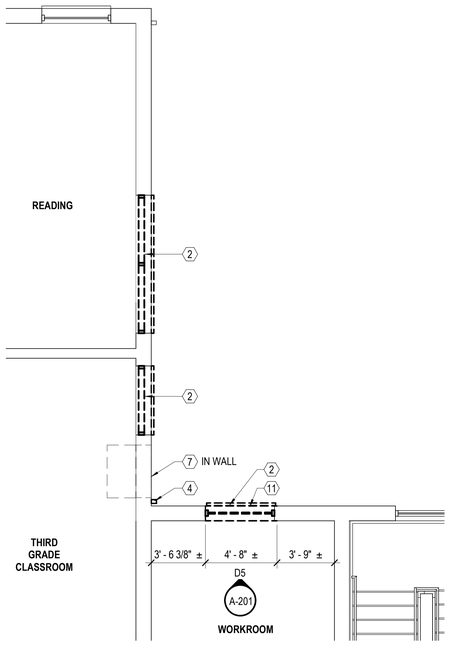
SCALE: 1/4" = 1'-0"

ⓧ DEMOLITION KEYNOTES

1. SAWCUT AND REMOVE PORTION OF EXTERIOR BRICK AND CMU INFILL FOR EXTENT AS INDICATED. LOCATE NEAREST MORTAR JT. COORDINATE W/ NEW WORK REQUIREMENTS. PATCH AND REPAIR ADJACENT WALLS AND FLOORS TO REMAIN. PREPARE EXISTING SURFACES FOR NEW WORK
2. REMOVE WINDOW AND FRAME COMPLETE INCLUDING WINDOW TRIM AND STOOL
3. REMOVE PORTION OF EXISTING SIDEWALK AND PREPARE FOR NEW WORK. EXISTING WALK CONSISTS OF 4" CONC OVER POROUS FILL WITH STEEL REINFORMENT
4. REMOVE DOWNSPOUT AND CONNECTION TO STORM WATER. CAP ORIGINAL STORM WATER PIPE - REF TO MECH DWGS
5. REMOVE PORTION OF EXISTING CONCRETE WALL AND HANDRAIL. SAW CUT EXISTING TO PROVIDE FOR CLEAN SMOOTH JOINT AT REMOVAL POINT
6. REMOVE LENGTH OF EXISTING GUTTER AND FASCIA BOARD AS NECESSARY TO ACCOMMODATE NEW ELEVATOR SHAFT
7. REMOVE EXISTING WALL MOUNTED HVAC UNIT AND LOUVER, REF MECH DWGS.
8. REMOVE EXISTING WALL MOUNTED LIGHT. REF ELEC DWGS
9. REMOVE PORTION OF EXISTING TILE WAINSCOT TO EXTENT SHOWN
10. REMOVE PORTION OF EXISTING ASHPHALT PAVEMENT AND PREPARE FOR NEW WORK
11. REMOVE EXISTING 8" CMU AND 4" FACE BRICK BELOW WINDOW AND PREPARE FOR NEW WORK

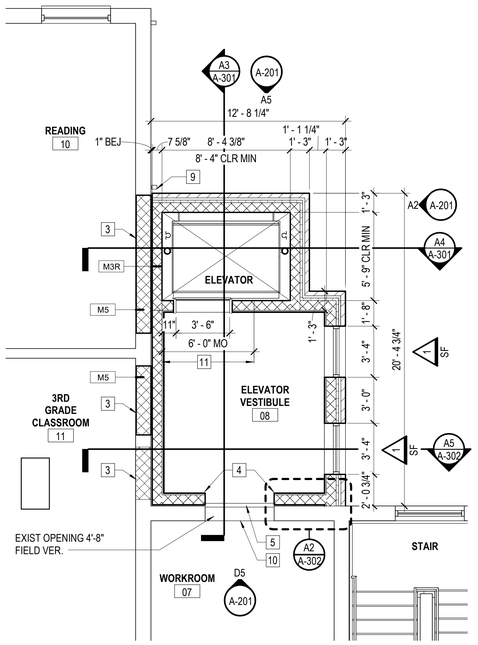
1 NEW WORK FLOOR PLAN KEYNOTES

1. NEW 4" REINF CONC SIDEWALK, MATCH ELEVATION OF EXISTING ASPHALT PAVING
2. INFILL WINDOW OPENING FROM SELECTIVE DEMOLITION WITH CMU, INSULATION AND BRICK VENEER TO MATCH EXISTING MASONRY WALL. INTERIOR FINISH WITH SURFACE APPLIED GWB TO MATCH ADJACENT - PAINT TO MATCH
3. INFILL OPENING FROM SELECTIVE DEMOLITION WITH CMU. INTERIOR FINISH TO MATCH ADJACENT EXISTING WALL
4. 5'-0" HIGH CORNER GUARDS, TYP @ EXPOSED GWB CORNERS
5. EXPANSION JOINT FLOOR COVER
6. ELEVATOR CONTROL PANEL
7. LINE OF SUMP PIT BELOW
8. SLOPE NEW WALK WAY FROM BUILDING TO PROVIDE FOR POSITIVE DRAINAGE, TYP
9. NEW 3x4 DOWNSPOUT TO MATCH ADJACENT CONNECT TO EXIST UNDERGOUND STORM
10. EDGE OF NEW LVT FLOORING PROVIDE VINYL TRANSITION STRIP.
11. PROVIDE 6-0" WIDE X 8'-4" MASONRY OPENING FOR ELEVATOR EQUIPMENT, INFILL OPENING WITH 8" CMU WALL AFTER ELEVATOR EQUIPMENT IS INSTALLED, COORDINATE EXACT LOCATION WITH ELEV MFR.
12. NEW STEEL COLUMN SEE STRUCT, ANCHOR FACE BRICK PILASTER TO STELL COLUMN WITH ADJUSTABLE ANCHORS.
13. PROVIDE 8'-4" X 8'-4" MASONRY OPENING FOR ELEVATOR EQUIPMENT, INFILL OPENING WITH 8" CMU WALL AFTER ELEVATOR EQUIPMENT IS INSTALLED, COORDINATE WITH ELEVATOR MFR.



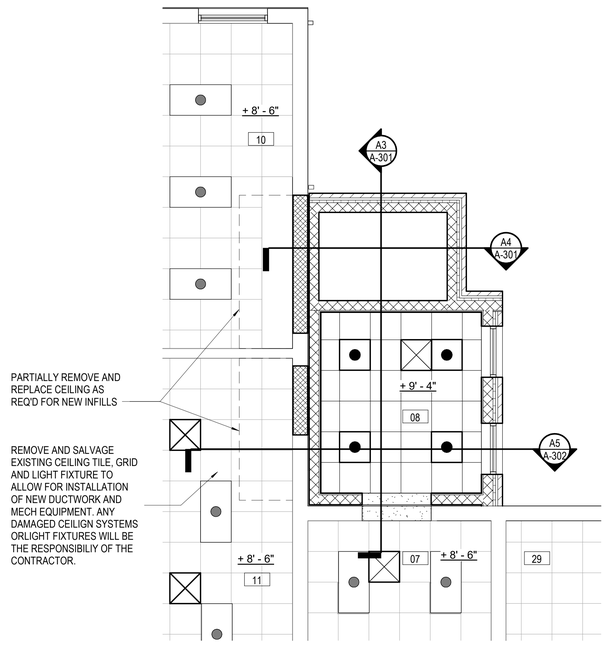
THIRD FLOOR DEMOLITION PLAN

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



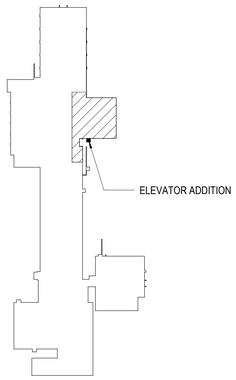
THIRD FLOOR PLAN

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



THIRD FLOOR RCP

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



TRUE NORTH PLAN NORTH

KEY PLAN

NOT TO SCALE

MARK	DATE	BY	DESCRIPTION

REVISIONS

DATE	2/28/25
PROJECT	21195-10
DESIGNED	Designer
DRAWN	Author
CHECKED	Checker

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COMMONWEALTH OF VIRGINIA
CHRISTOPHER A. PHILLIPS
Lic. No. 015174
02/28/2025
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PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148

VIRGINIA DEPARTMENT OF EDUCATION: ??

DRAWING
SECOND AND THIRD FLOOR PLANS

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A-102

3/26/2025 11:36:25 AM Autodesk Docs://21195-10 HCPS Drewry Mason ES/21195-10 (24) HCPS Drewry Mason ES Elevator - ARCH.rvt

GENERAL FLOOR PLAN NOTES

1. ALL EXISTING ROOFS ARE UNDER WARRANTY AND ALL WORK INVOLVING TIE-IN WITH THE EXISTING ROOF SHALL BE PERFORMED TO MAINTAIN THAT WARRANTY AND BE ACCEPTABLE TO THE ROOFING WARRANTY PROVIDER. OWNER WILL PROVIDE CONTRACTOR WITH WARRANTY INFORMATION PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO VERIFY AND COORDINATE ALL ROOF RELATED WORK OVER THE EXISTING BUILDING WITH THE WARRANTY PROVIDER.

(X) DEMOLITION KEYNOTES

1. SAWCUT AND REMOVE PORTION OF EXTERIOR BRICK AND CMU INFILL FOR EXTENT AS INDICATED. LOCATE NEAREST MORTAR JT. COORDINATE W/ NEW WORK REQUIREMENTS. PATCH AND REPAIR ADJACENT WALLS AND FLOORS TO REMAIN. PREPARE EXISTING SURFACES FOR NEW WORK
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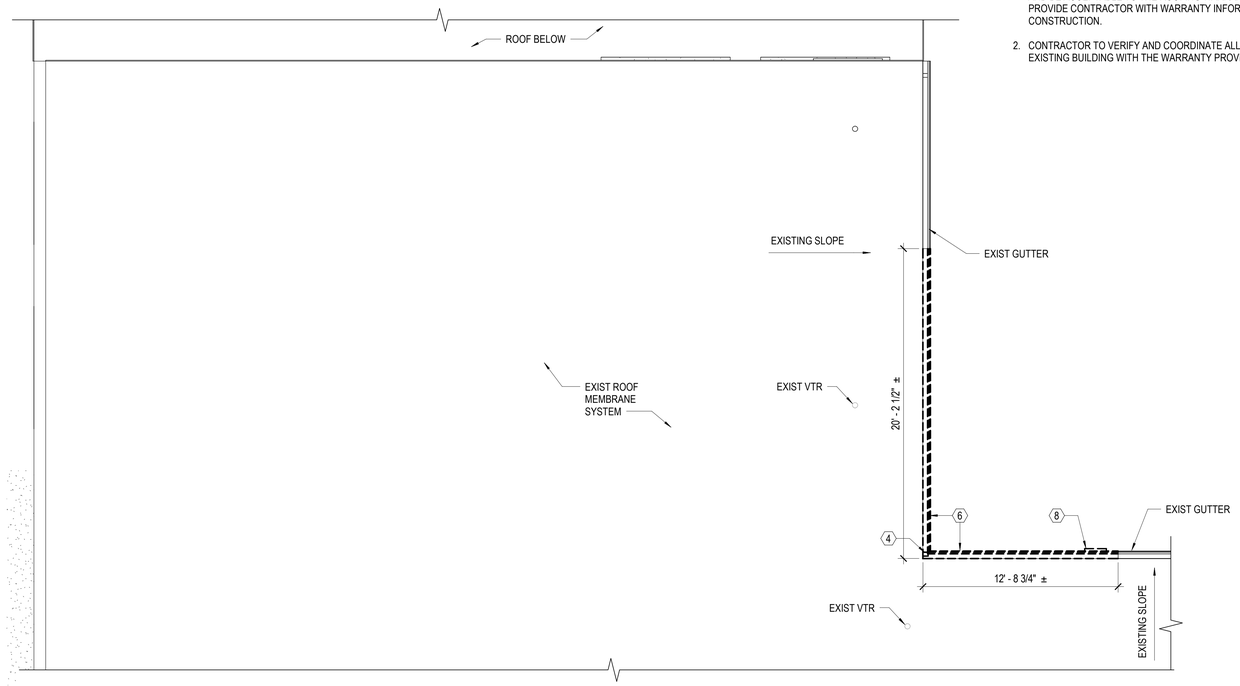
11. REMOVE EXISTING 8" CMU AND 4" FACE BRICK BELOW WINDOW AND PREPARE FOR NEW WORK

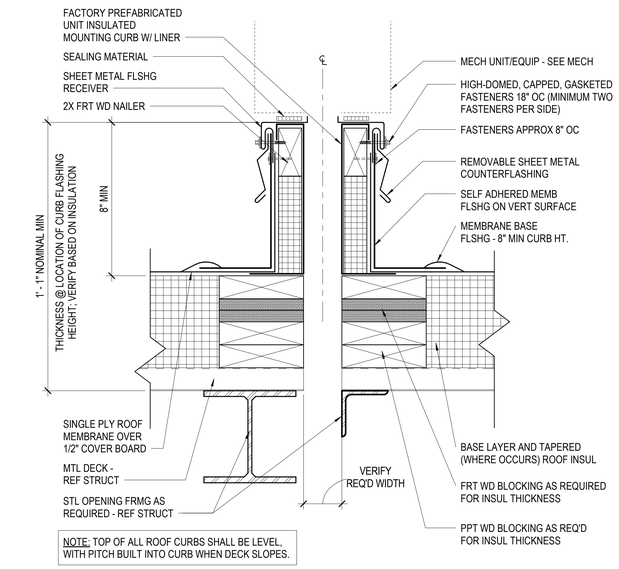
ROOF PLAN LEGEND

	ROOF DRAIN / OVERFLOW DRAIN - REF DTLS A1/A-123, A-124, & PLUMBING DWGS FOR ADDITIONAL INFO - COORD EXACT LOCATION W/ STRUCTURAL SUPPORT
DS	DOWNSPOUT
EF	EXHAUST FAN - REF CURB DTL A5/A-122
VTR	PLUMBING VENT THROUGH ROOF (VTR)- REF DTLS ON A-123
	2'-0" X 2'-0" X 1/4" WALKWAY PADS AS SHOWN SPACED 6" APART TYPICAL
X : 12	SLOPED ROOF STRUCTURE AS INDICATED
	TAPERED ROOF INSULATION SLOPE AS NOTED
RTU-X	ROOF TOP UNIT- REF. MECHANICAL DRAWINGS
	PRE-FIN STANDING SEAM MTL ROOF SYSTEM - SLOPE AS INDICATED
	DASHED LINE INDICATES LOCATION OF WALL BELOW
RV	ROOF VENT- REF MECHANICAL DWGS AND CURB DTL
OU	OUTDOOR UNIT- REF MECHANICAL DWGS
CU	CONDENSING UNIT- REF MECHANICAL DWGS



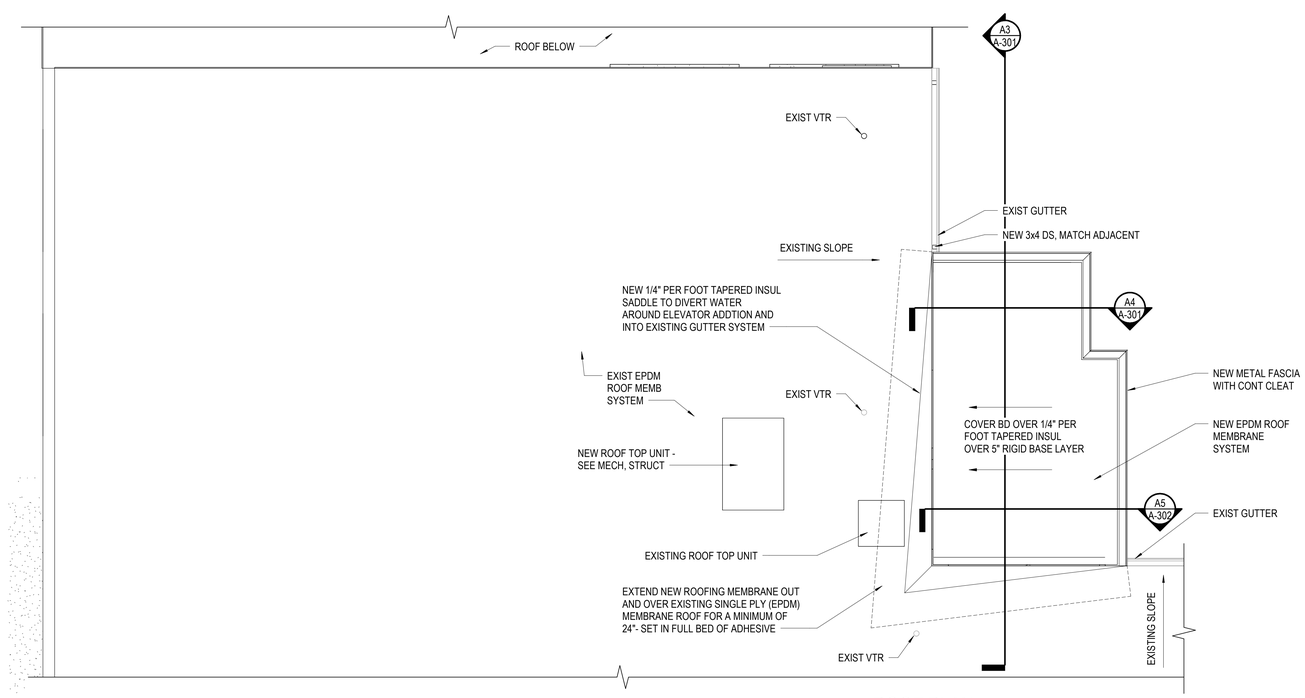
ROOF DEMOLITION PLAN

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



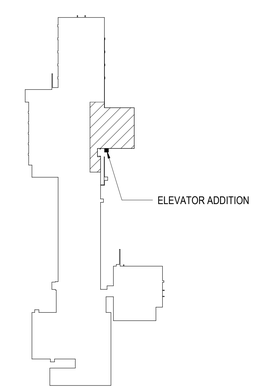
B5 / A-103 ROOF CURB DETAIL

SCALE: 3" = 1'-0"



ROOF PLAN

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



TRUE NORTH PLAN NORTH

KEY PLAN

NOT TO SCALE

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PROJECT	21195-10
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DRAWN	Author
CHECKED	Checker

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PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148

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ROOF PLANS

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A-103

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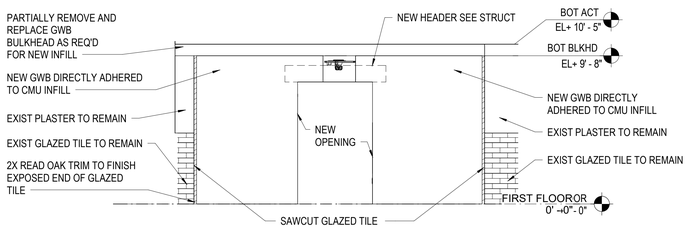
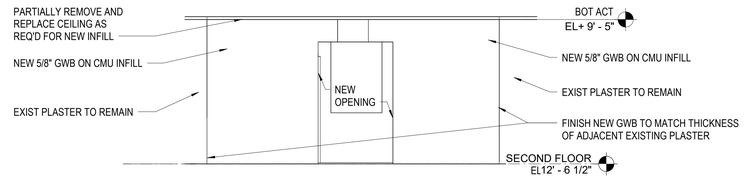
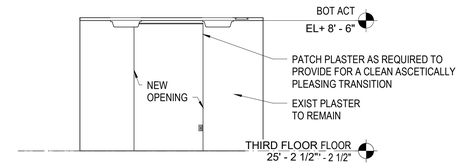


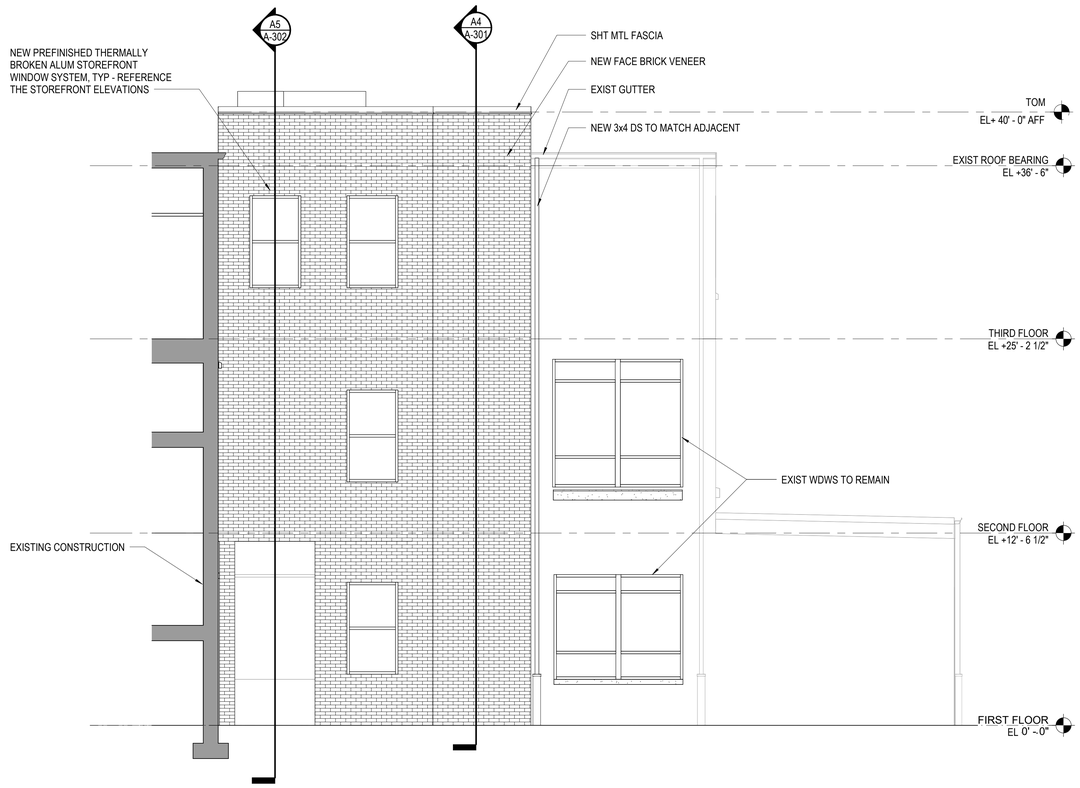
D1 A-201 INTERIOR ELEVATION - FIRST FLOOR
SCALE: 1/4" = 1'-0"



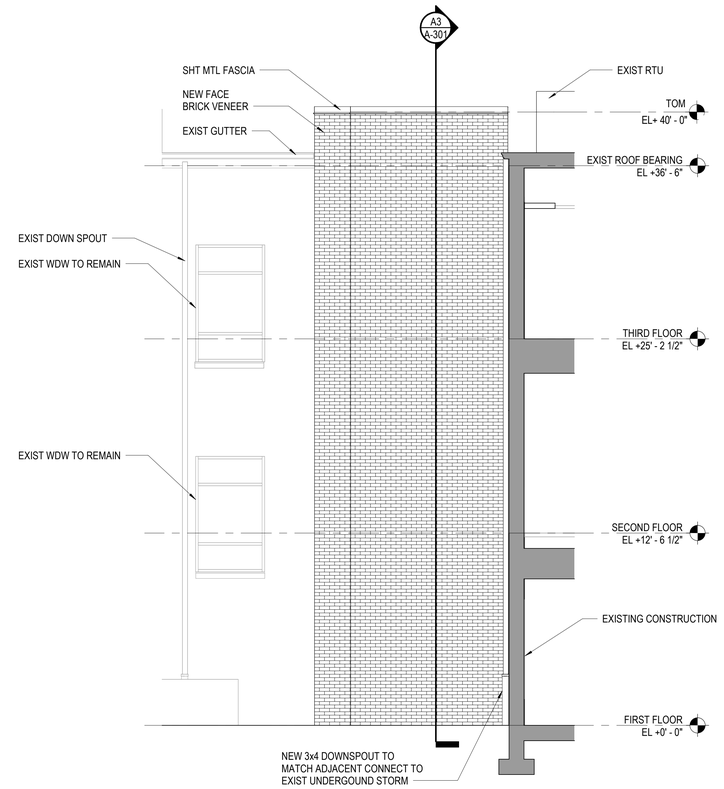
D4 A-201 INTERIOR ELEVATION - SECOND FLOOR
SCALE: 1/4" = 1'-0"



D5 A-201 INTERIOR ELEVATION - THIRD FLOOR
SCALE: 1/4" = 1'-0"



A2 A-201 EAST ELEVATION
SCALE: 1/4" = 1'-0"



A5 A-201 NORTH ELEVATION
SCALE: 1/4" = 1'-0"

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HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
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EXTERIOR AND INTERIOR ELEVATIONS

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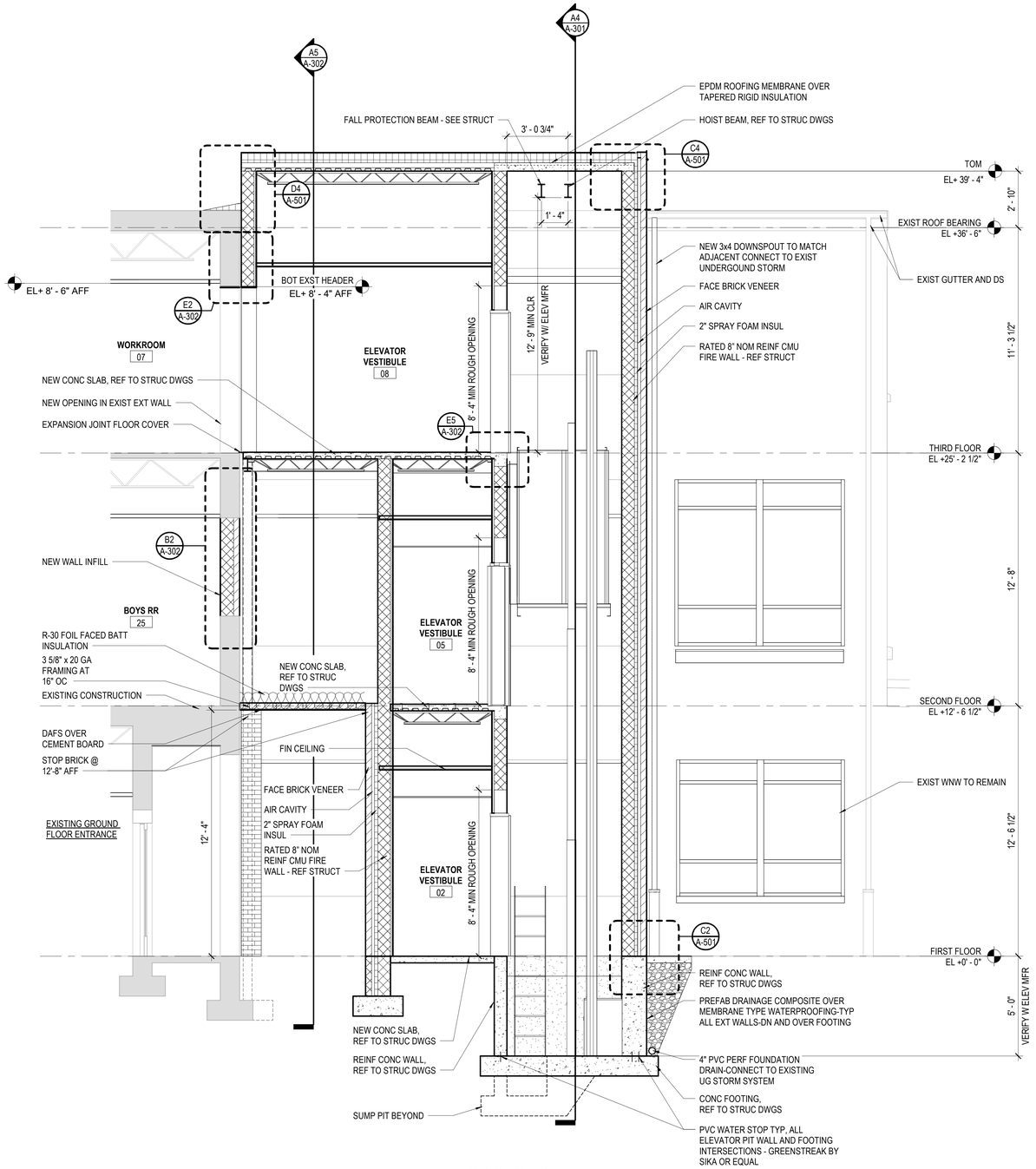

A3 A-301 ELEVATOR SECTION 1
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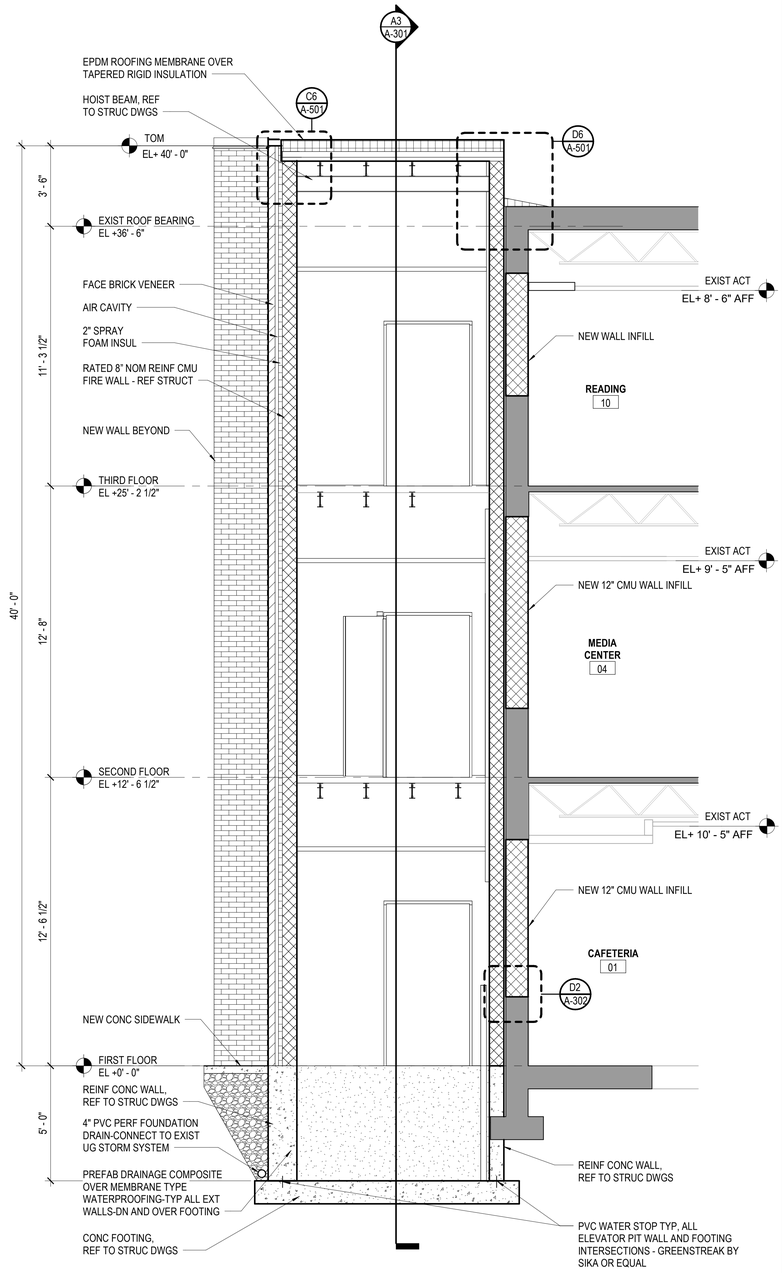

A4 A-301 ELEVATOR SECTION 2
SCALE: 3/8" = 1'-0"

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RIDGEWAY, VA 24148

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SECTIONS

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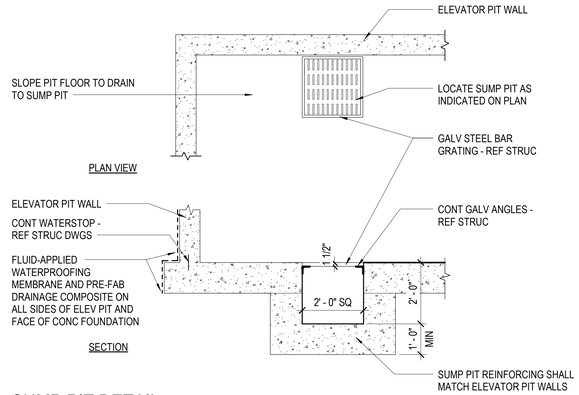
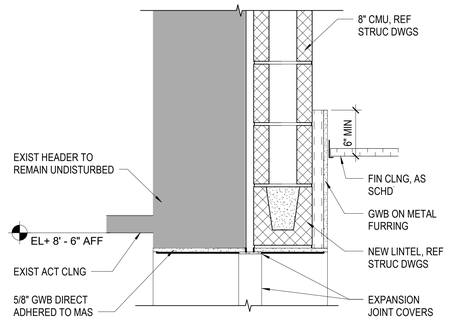
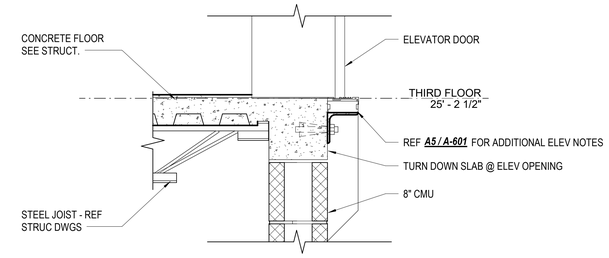


C3 A-302 SUMP PIT DETAIL
SCALE: 1/2" = 1'-0"



E2 A-302 HEAD DETAIL - THIRD FLOOR
SCALE: 1 1/2" = 1'-0"



E5 A-302 ELEV EDGE DETAIL
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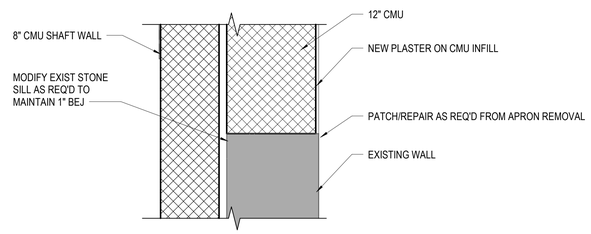
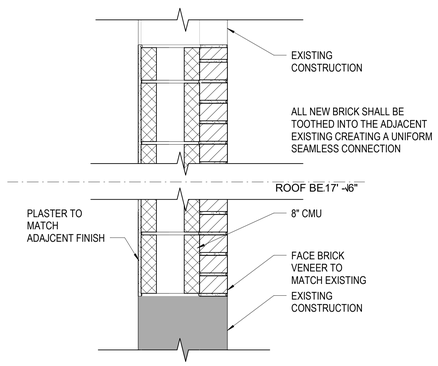
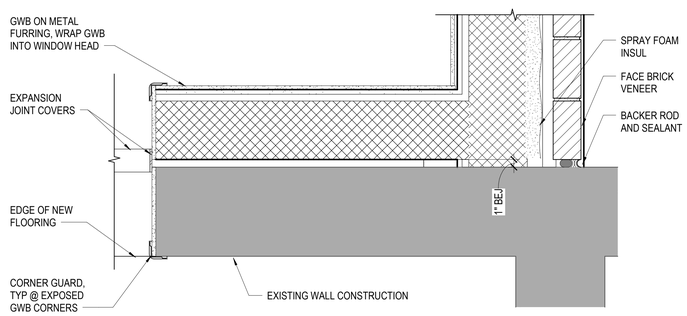


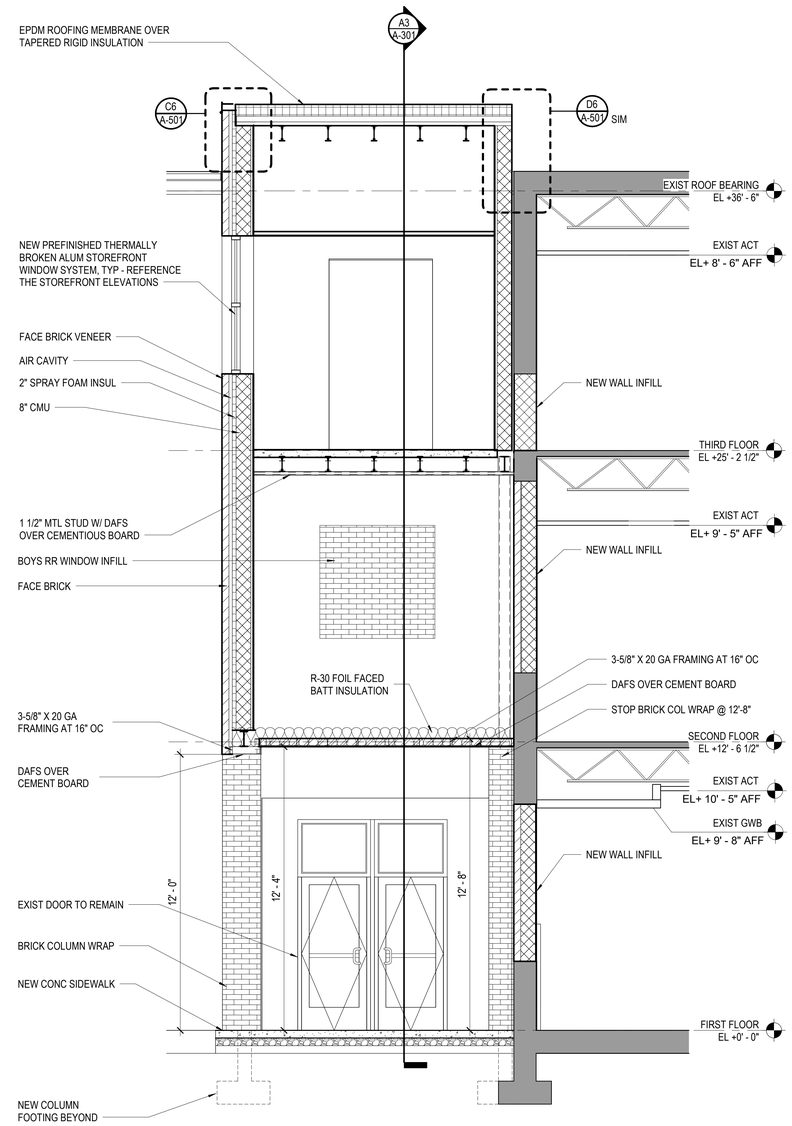
D2 A-302 TYPICAL OPENING INFILL @ SHAFT
SCALE: 1 1/2" = 1'-0"



B2 A-302 TYPICAL WINDOW INFILL
SCALE: 1 1/2" = 1'-0"



A2 A-302 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



A5 A-302 BUILDING SECTION
SCALE: 3/8" = 1'-0"

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HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148
VIRGINIA DEPARTMENT OF EDUCATION: ??

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SECTIONS AND DETAILS

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A-302

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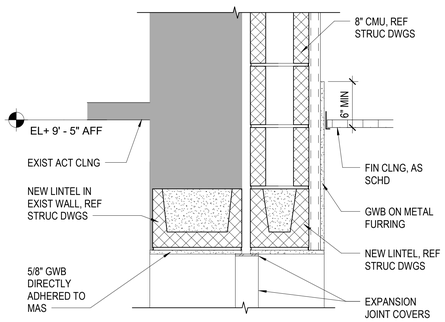
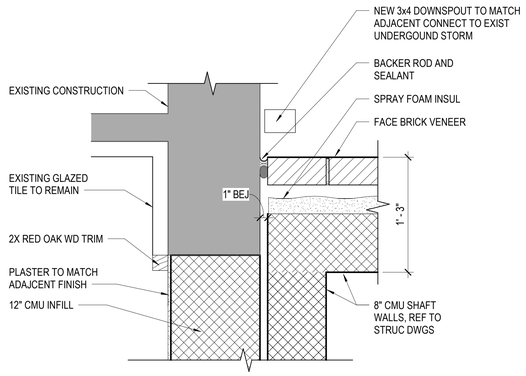
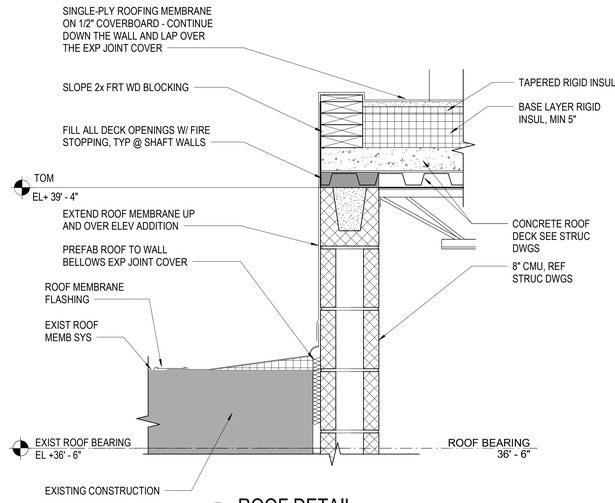


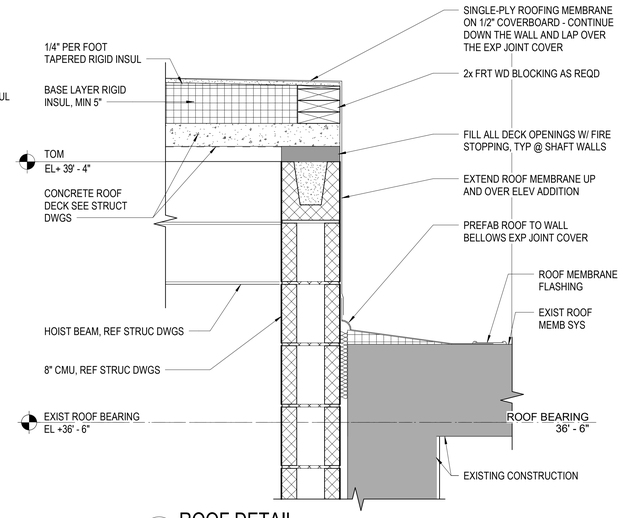
D1 A-501 HEAD DETAIL - SECOND FLOOR
SCALE: 1 1/2" = 1'-0"



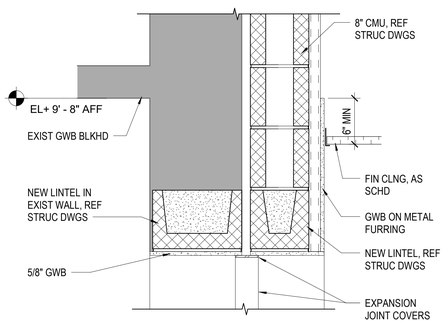
D2 A-501 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



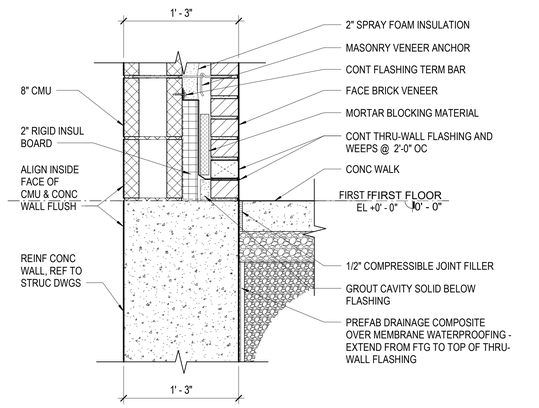
D4 A-501 ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



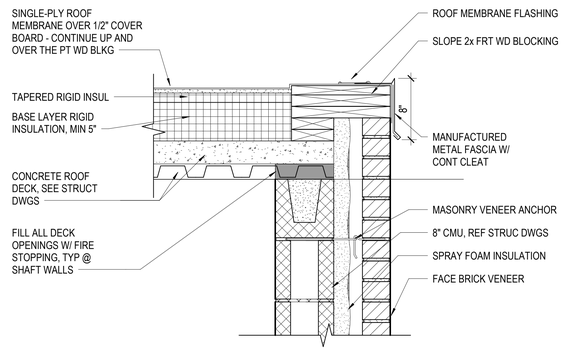
D6 A-501 ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



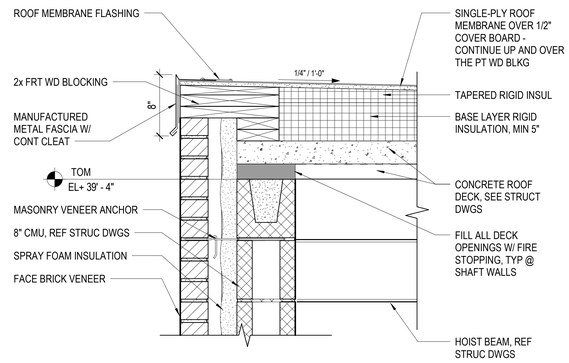
C1 A-501 HEAD DETAIL - FIRST FLOOR
SCALE: 1 1/2" = 1'-0"



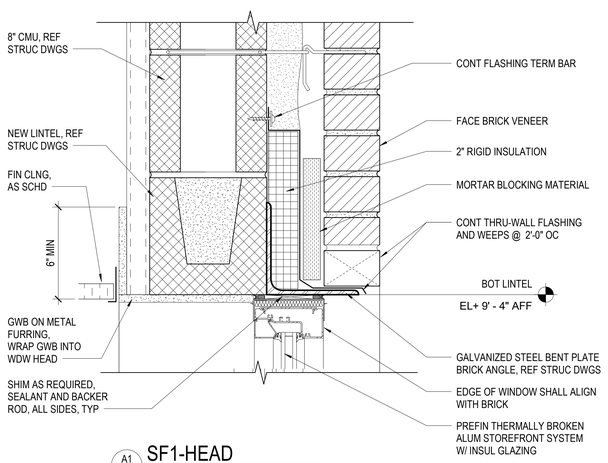
C2 A-501 FOUNDATION WALL DETAIL
SCALE: 1 1/2" = 1'-0"



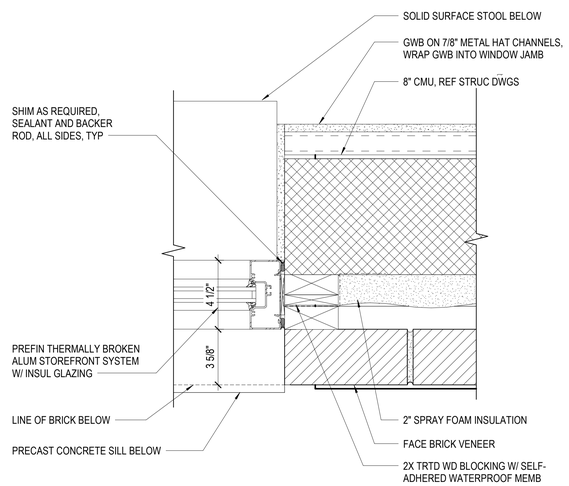
C4 A-501 ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



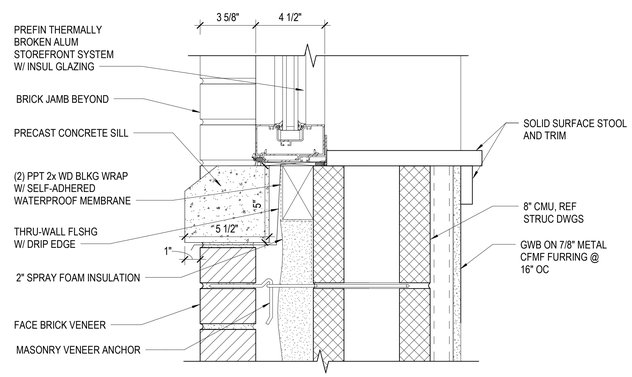
C6 A-501 ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



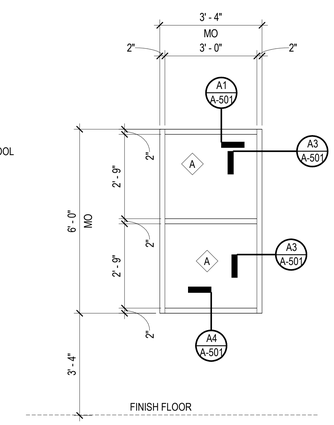
A1 A-501 SF1-HEAD
SCALE: 3" = 1'-0"



A3 A-501 SF1-JAMB
SCALE: 3" = 1'-0"



A4 A-501 SF1-SILL
SCALE: 3" = 1'-0"



SF-01
SCALE: 1/2" = 1'-0"

MARK	DATE	BY	DESCRIPTION

REVISIONS

DATE	2/28/25
PROJECT	21195-10
DESIGNED	Designer
DRAWN	Author
CHECKED	Checker

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PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148
VIRGINIA DEPARTMENT OF EDUCATION: ??

DRAWING
DETAILS AND STOREFRONT ELEVATION/DETAILS

SHEET
A-501

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FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	WALL BASE	WALLS N	WALLS S	WALLS E	WALLS W	CEILING	NOTES
01	CAFETERIA	EXIST (VCT)	EXIST	EXIST	EXIST	PT / EXIST	EXIST	EXIST	
02	ELEVATOR VESTIBULE	LVT	RB	PT	PT	PT	-	ACT1	
03	ELEVATOR	LVT	RB	PER MFR	PER MFR	PER MFR	PER MFR	PER MFR	
04	MEDIA CENTER	EXIST (CPT)	EXIST	EXIST	EXIST	PT / EXIST	EXIST	EXIST	
05	ELEVATOR VESTIBULE	LVT	RB	PT	PT	PT	-	ACT1	
06	ELEVATOR	LVT	RB	PER MFR	PER MFR	PER MFR	PER MFR	PER MFR	
07	WORKROOM	EXIST (VCT)	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
08	ELEVATOR VESTIBULE	LVT	RB	PT	PT	PT	PT	ACT1	
09	ELEVATOR	LVT	RB	PER MFR	PER MFR	PER MFR	PER MFR	PER MFR	
10	READING	EXIST (VCT)	EXIST	EXIST	EXIST	PT4 / EXIST	EXIST	EXIST	
11	3RD GRADE CLASSROOM	EXIST (VCT)	EXIST	EXIST	EXIST	PT5 / EXIST	EXIST	EXIST	

GENERAL FINISH NOTES

A. CONTRACTOR TO CHECK AND COORDINATE LEAD TIMES AND REQUIREMENTS FOR FINISHES REQUIRED TO COMPLETE THE WORK FOR EACH SPACE.

B. PAINT GWB WALLS IN EGGSHELL FINISH AND ALL DOOR FRAMES AND MISCELLANEOUS TRIM IN SEMI-GLOSS FINISH, U.O.N.

C. PAINT CMU WALLS IN SEMI-GLOSS FINISH, U.O.N.

D. FOR AREAS WITH CEILINGS NOTED AS 'EXP/PTX' PROVIDE FLAT FINISH PAINT IN COLOR AS INDICATED ON THE FINISH SCHEDULE, U.O.N.

E. NOT USED

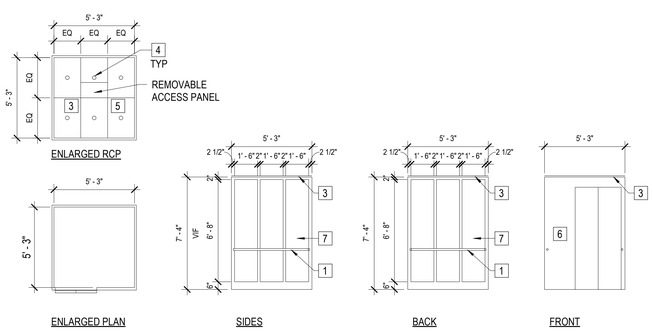
F. PAINT ALL GWB SOFFITS AND BULKHEADS

G. CONCRETE CONTRACTOR AND GENERAL CONTRACTOR TO COORDINATE LOCATION OF CONTROL AND EXPANSION JOINTS IN SLAB.

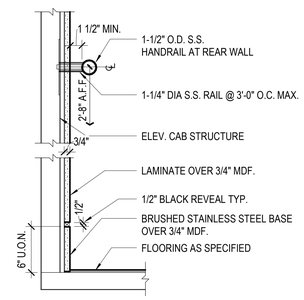
H. SEE REFLECTED CEILING PLANS FOR LOCATION AND EXTENT OF DIFFERING CEILING MATERIALS

1 ELEVATOR CAB KEY NOTES

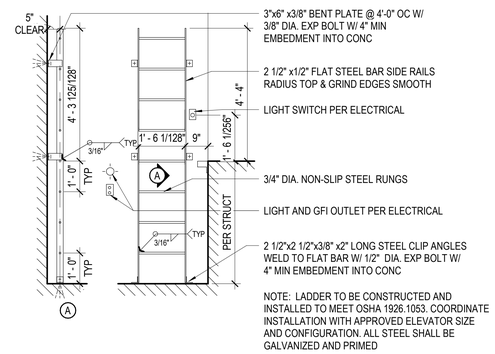
1. HANDRAIL: PROVIDE 1.5" DIAMETER CYLINDRICAL METAL ON SIDE AND REAR WALLS. SEE SPEC. SECTION 142400.
2. SUSPENDED CEILING PER SPEC. SECTION 142400.
3. PROVIDE (6) 3" DOWN LIGHTS PER SPEC. SECTION 142400.
4. PROVIDE HAIRLINE JOINT FOR EMERGENCY TOP EXIT.
5. PROVIDE APPLIED CAR OPERATING PANEL PER SPEC. SECTION 142400.
6. WOOD GRAIN LAMINATE WALL PANELS.



A3 / A-601 ELEVATOR CAB ELEVATIONS / ENLARGED PLANS
SCALE: 1/4" = 1'-0"

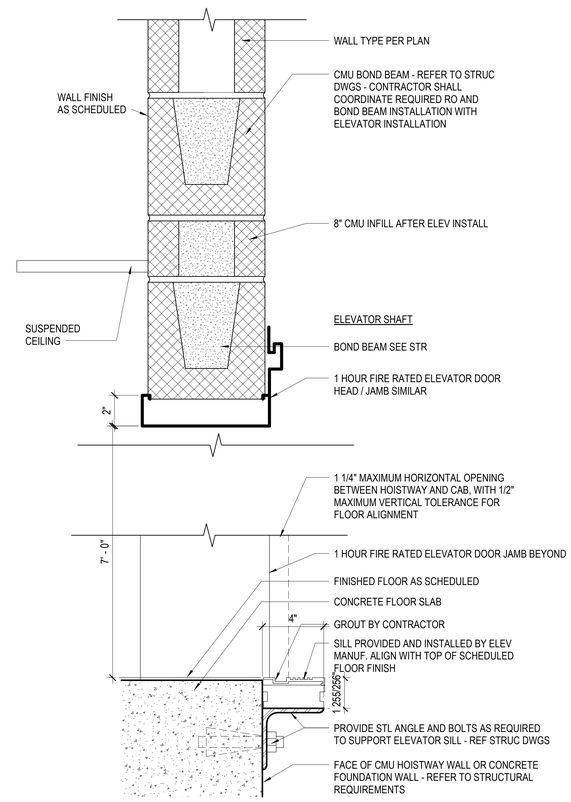


B4 / A-601 ELEVATOR CAB BASE / HANDRAIL
SCALE: 1 1/2" = 1'-0"



NOTE: LADDER TO BE CONSTRUCTED AND INSTALLED TO MEET OSHA 1926.1053. COORDINATE INSTALLATION WITH APPROVED ELEVATOR SIZE AND CONFIGURATION. ALL STEEL SHALL BE GALVANIZED AND PRIMED

A4 / A-601 ELEVATOR PIT LADDER SECTION & ELEVATION
SCALE: 1/2" = 1'-0"



A5 / A-601 ELEVATOR HEAD / JAMB/ SILL DETAIL CMU
SCALE: 3" = 1'-0"

MARK	DATE	BY	DESCRIPTION

REVISIONS

DATE 2/28/25
PROJECT 21195-10
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HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148
VIRGINIA DEPARTMENT OF EDUCATION: ??

DRAWING
FINISH SCHEDULES AND ELEVATOR DETAILS

SHEET
A-601

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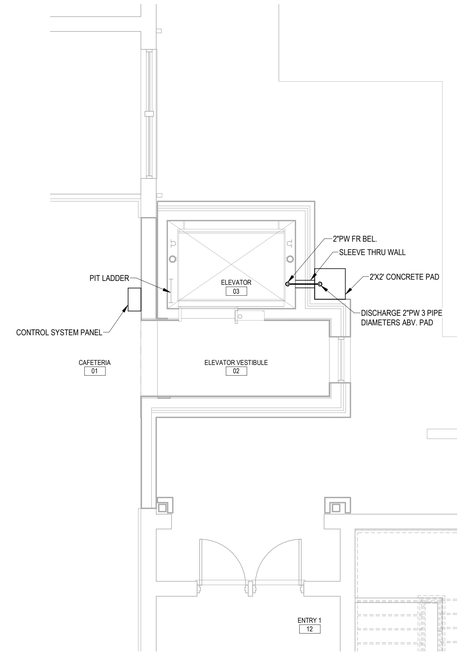
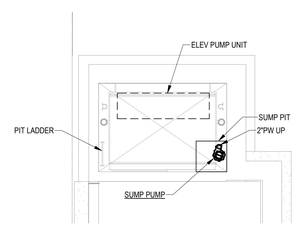


FIRST FLOOR PLAN - PLUMBING

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



ELEVATOR PIT PLAN - PLUMBING

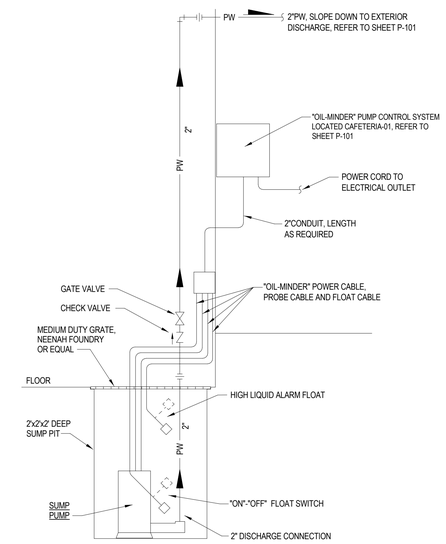
SCALE: 1/4" = 1'-0"

PLUMBING LEGEND

ABOVE	ABV
CEILING	CLG
CHECK VALVE	
DIRECTION OF SLOPE DOWN	
FROM	FR
GATE VALVE	GV
PIPING INDICATION WITH RESPECT TO WATER FLOW	
TURN DOWN OR FROM BELOW	
TURN UP OR DOWN	
TURN UP OR FROM ABOVE	
PUMPED WASTE	PW
UNION	

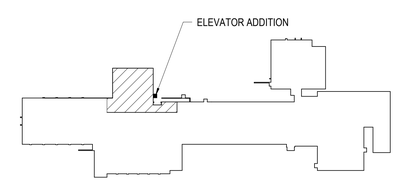
GENERAL PLUMBING NOTES:

1. ALL PIPES SHALL BE COORDINATED WITH OTHER NEW AND EXISTING DUCTS, PIPES, LIGHTS, STRUCTURAL SYSTEM, CEILING SUPPORTS AND FRAMING BEFORE INSTALLATION. MINOR PIPE OFFSETS SHALL BE PROVIDED AS REQUIRED. MEASUREMENTS FOR VERTICAL CLEARANCES SHALL BE TAKEN AT THE JOB SITE BEFORE INSTALLATION OF ANY PIPING.
2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS. COORDINATE HOT AND COLD WATER, SANITARY WASTE AND VENT PIPING AND ROUGH-IN INSTALLATION WITH ALL EQUIPMENT MANUFACTURERS' REQUIREMENTS.
3. MATERIALS AND INSTALLATION SHALL COMPLY WITH LOCAL CODES, APPLICABLE PROVISIONS OF LATEST EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION, LOCAL UTILITY REGULATIONS AND GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION.
4. LIMITS OF CONTRACT: PUMPED WASTE PIPING SHALL BE EXTENDED UNDER THIS SECTION OF THE SPECIFICATIONS TO POINTS 5'-0" BEYOND THE BUILDING LINES, UNLESS OTHERWISE INDICATED ON THE DRAWINGS, WHERE THE PIPES SHALL BE CAPPED OR PLUGGED AND LEFT READY FOR CONNECTION AND EXTENSION BY OTHERS, AND THE LOCATIONS MARKED WITH A STAKE OR OTHER APPROVED MEANS.
5. RETURN AIR PLENUM NOTE: ALL MATERIAL LOCATED IN THE RETURN AIR PLENUMS SHALL MEET THE REQUIREMENTS OF THE 2015 VIRGINIA MECHANICAL CODE, SECTION 602.2.1.
6. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL PANELS. COORDINATE INSTALLATION OF PIPES WITH ELECTRICAL PANELS WHEN SHOWN NEAR PANELS OR OVER ELECTRICAL ROOMS.



ELEVATOR SUMP PUMP DETAIL

NO SCALE



TRUE NORTH PLAN NORTH

KEY PLAN

NOT TO SCALE

MARK	DATE	BY	DESCRIPTION

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DATE	FEB 28, 2025
PROJECT	21195-10
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HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148

DRAWING
LEGEND, FLOOR PLANS, DETAIL AND NOTES - PLUMBING

VIRGINIA DEPARTMENT OF EDUCATION: ??

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P-101

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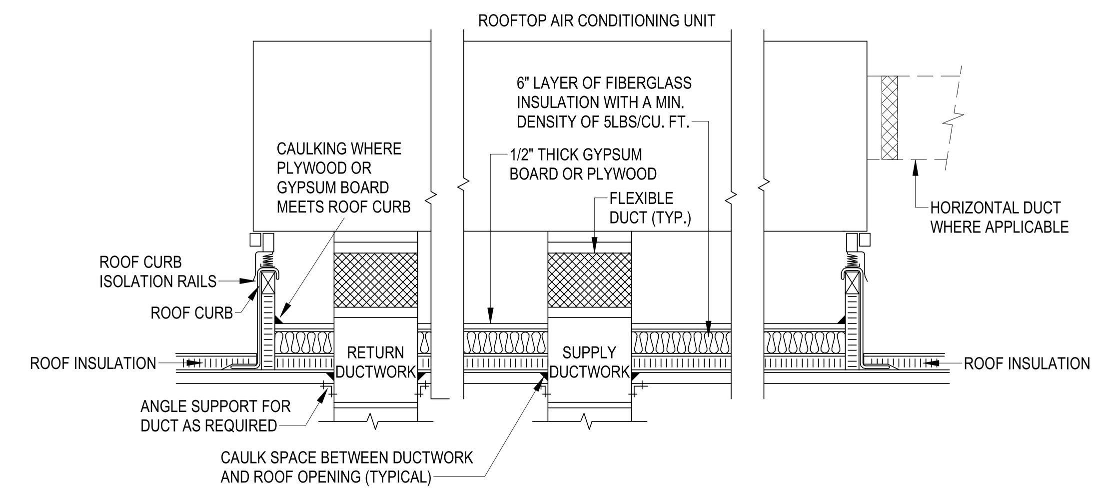
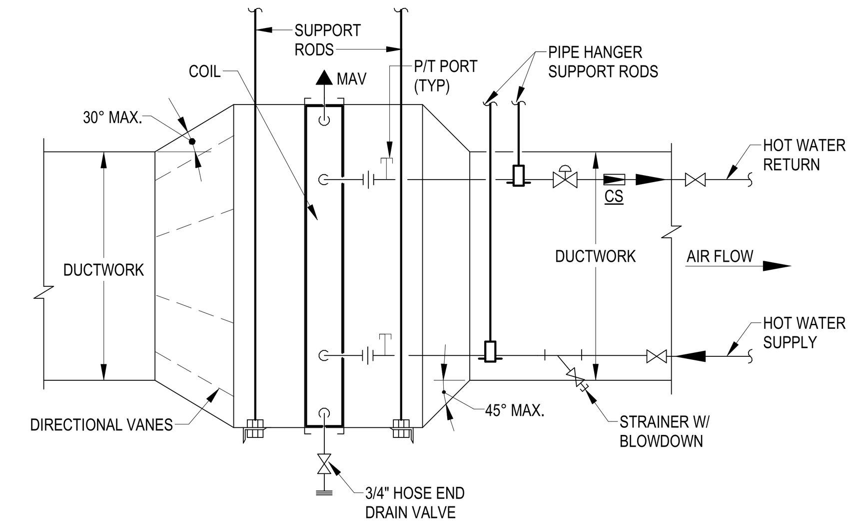


NOTES:
1. CUT ROOF OPENING JUST LARGE ENOUGH TO ACCOMMODATE SUPPLY AND RETURN DUCTWORK. CAULK AIR TIGHT THE SPACE BETWEEN DUCTWORK AND ROOF OPENINGS.
2. PROVIDE 5# DENSITY INSULATION UNDER UNIT ON TOP OF ROOF DECKING AND INSIDE ROOF CURB. COVER INSULATION WITH 1/2" THICK PLYWOOD OR GYPSUM BOARD AND CAULK BETWEEN PLYWOOD OR GYPSUM AND ROOF CURB.
3. ROOF INSULATION SHALL EXTEND UNDER UNIT.
4. PROVIDE ISOLATION RAILS.

ROOFTOP AIR CONDITIONING UNIT MOUNTING DETAIL
NO SCALE



DUCT MOUNTED HOT WATER COIL CONNECTION DETAIL
SCHEMATIC

GENERAL NOTES:

1. ALL DUCTWORK AND PIPES SHALL BE COORDINATED WITH (OTHER NEW AND EXISTING DUCTS, PIPES,) LIGHTS, STRUCTURAL SYSTEM, CEILING SUPPORTS AND FRAMING BEFORE INSTALLATION. MINOR DUCT AND PIPE OFFSETS AND MINOR DUCT TRANSITIONS SHALL BE PROVIDED AS REQUIRED. WHERE TRANSITIONS ARE REQUIRED, CROSS SECTIONAL AREA OF DUCT SHALL NOT BE REDUCED. MEASUREMENTS FOR VERTICAL CLEARANCES OF DUCTWORK SHALL BE TAKEN AT THE JOB SITE BEFORE FABRICATION OF ANY DUCTWORK.
2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS.
3. MATERIALS AND INSTALLATION SHALL COMPLY WITH LOCAL CODES, APPLICABLE PROVISIONS OF LATEST EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION, LOCAL UTILITY REGULATIONS AND GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION.
4. CONTRACTOR SHALL SEAL AND FLASH ALL PENETRATIONS IN EXISTING ROOF AND WALLS.
5. VERIFY ROOF AND WALL OPENINGS WITH STRUCTURE.
6. VERIFY THE LOCATION OF ALL THERMOSTATS, TEMPERATURE SENSORS, PANELS AND CONTROL INSTRUMENTS WITH THE ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
7. VERIFY LOCATIONS OF NEW AND EXISTING EQUIPMENT AND ROUTE OF DUCTWORK WITH EXISTING CONDITIONS.
8. ALL CUTTING AND PATCHING FOR THE INSTALLATION OF NEW WORK IN EXISTING BUILDING SHALL BE DONE BY THE GENERAL CONTRACTOR.
9. REFER TO ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS TO COORDINATE THE EXACT LOCATIONS OF DIFFUSERS, REGISTERS, GRILLES, PIPING AND OTHER MECHANICAL EQUIPMENT WITH CEILING GRID, LIGHTS, BEAMS AND OTHER BUILDING COMPONENTS.
10. CONTRACTOR SHALL PROVIDE ALL SUPPORTS REQUIRED TO MOUNT MECHANICAL EQUIPMENT, PIPING AND DUCTWORK.
11. WHERE PIPE AND DUCT CONNECTIONS ARE SHOWN CONNECTING TO EXISTING, CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND CONNECTION SIZES PRIOR TO INSTALLATION.
12. DUCTWORK SHALL BE ZINC-COATED SHEET STEEL OR ALUMINUM, CONSTRUCTED AND INSTALLED AS RECOMMENDED BY THE LATEST EDITION OF SMACNA "HVAC DUCT CONSTRUCTION STANDARDS".
13. DUCTWORK SHALL BE ACOUSTICALLY LINED AS INDICATED WITH 1" THICK, 1-1/2 PCF., FIBERGLASS DUCT LINER WITH NEOPRENE COATING ON AIR SIDE. DUCTWORK HAS BEEN SIZED TO INCLUDE THE LINING.
14. SUPPLY AND RETURN AIR DUCTWORK SHALL BE ACOUSTICALLY LINED WITH 1" THICK, 1-1/2 PCF., FIBERGLASS DUCT LINER WITH NEOPRENE COATING ON AIR SIDE. DUCTWORK HAS BEEN SIZED TO INCLUDE THE LINING.
15. ALL FLEXIBLE DUCTS CONNECTED TO SUPPLY DIFFUSERS SHALL BE SIZED TO EQUAL THE DIFFUSER NECK DIAMETER.
16. FLEXIBLE DUCTS SHALL BE FLEXIBLE METAL OR METAL AND NEOPRENE-COATED CANVAS HOSE INSULATED WITH 1" THICK FIBERGLASS WITH VINYL VAPOR BARRIER. ALL ROUND DUCT TAKE-OFFS SHALL BE MADE WITH SPIN-IN FITTINGS WITH 45 DEG. EXTRACTOR AND BALANCING DAMPER. THE DUCT DIAMETER SHALL MATCH THE AIR DIFFUSER SIZE UNLESS OTHERWISE INDICATED.
17. PROVIDE FLEXIBLE DUCT CONNECTIONS BETWEEN THE SUPPLY AND RETURN DUCTS FROM THE AIR UNITS. FLEXIBLE CONNECTIONS SHALL BE WEATHERTIGHT WHEN EXPOSED.
18. PROVIDE AIR TIGHT SEAL BETWEEN DUCTWORK AND FLOOR OR FIRE PARTITION WITH FIRE RESISTANT MATERIAL.
19. SUPPLY AND OUTDOOR AIR DUCTWORK SHALL BE INSULATED WITH 1 LB. DENSITY, FLEXIBLE TYPE, 1-1/2" THICK WITH FACTORY APPLIED FACING OF 0.7 MIL FOIL-SCRIM-WHITE KRAFT PAPER JACKET EFFECTIVELY VAPOR SEALED.
20. DUCT AND PIPE INSULATION SHALL MATCH EXISTING. INSULATION THAT IS DAMAGED OR REMOVED FOR NEW WORK SHALL BE REPLACED, REPAIRED AND SEALED AS REQUIRED.
21. NEW PIPING, PIPE INSULATION AND DUCT INSULATION SHALL MATCH EXISTING. INSULATION THAT IS DAMAGED OR REMOVED FOR NEW WORK SHALL BE REPLACED, REPAIRED AND SEALED AS REQUIRED.
22. CONDENSATE DRAIN LINES SHALL BE TYPE M HARD DRAWN COPPER OR PVC TUBING. FITTINGS SHALL MATCH THE PIPING. INSULATE WITH 3/8" ARMAFLEX VAPOR SEALED WHERE SUBJECT TO SWEATING.
23. ALL CEILING DIFFUSERS SHALL BE 4-WAY THROW TYPE UNLESS NOTED OTHERWISE.
24. CEILING DIFFUSERS SHALL BE METALAIRE, ROUND LOUVER FACE, SURFACE-MOUNT ADJUSTABLE TYPE COMPLETE WITH EQUALIZING DEFLECTORS AND VOLUME CONTROL UNITS.
25. HVAC CONTRACTOR SHALL ADJUST CFM FOR CEILING DEVICES AND AIR UNITS AS SHOWN ON THE FLOOR PLANS.
26. RETURN GRILLES AND REGISTERS SHALL BE METALAIRE SERIES RH, 45 DEGREE DEFLECTION. DAMPERS FOR REGISTERS SHALL BE FACE OPERATED AND OPPOSED BLADE TYPE.
27. FOR EXACT LOCATIONS OF CEILING DEVICES, SEE REFLECTED CEILING PLAN.
28. FINAL LOCATION OF ROOF-MOUNTED EQUIPMENT SHALL BE COORDINATED WITH ROOF FRAMING. VERIFY ROOF OPENINGS WITH STRUCTURE.
29. PROVIDE ACCESS DOORS OF SUFFICIENT SIZE FOR ALL CONCEALED CONTROLS, DAMPERS OR ANY ITEMS REQUIRING ACCESS.
30. AIR DEFLECTORS SHALL BE PROVIDED IN ALL SQUARE ELBOWS.
31. CONTRACTOR SHALL VERIFY THAT VFDS ARE PROVIDED WITH INTEGRAL DISCONNECT TO DISCONNECT POWER TO THE CONTROLLER AND THE MOTOR. VFDS SHALL BE LOCATED WITHIN SIGHT OF THE MOTOR BEING SERVED.
32. ALL REMOTE-MOUNTED TEMPERATURE CONTROL DEVICES AND TEMPERATURE CONTROL WIRING SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
33. CEILING GRID AND OTHER ITEMS SHALL NOT BE SUPPORTED FROM OR IN CONTACT WITH HVAC UNITS. CONDUIT, WIRING, PIPING AND SUPPORTS SHALL NOT BE LOCATED BELOW HVAC UNIT ACCESS PANELS.
34. DUCTWORK AND PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL PANELS. COORDINATE INSTALLATION OF DUCTWORK AND PIPING WITH ELECTRICAL PANELS WHEN SHOWN NEAR PANELS OR OVER ELECTRICAL ROOMS.
35. INSTRUCT THE OWNER IN THE PROPER OPERATION AND MAINTENANCE OF THE MECHANICAL SYSTEMS UNTIL THE OWNER IS FULLY PREPARED TO OPERATE AND MAINTAIN THE MECHANICAL SYSTEM. HOWEVER, LENGTH OF INSTRUCTION TIME SHALL BE LIMITED TO ONE-HALF DAY.
36. SYSTEMS SHALL OPERATE UNDER CONDITIONS OF LOAD WITHOUT UNUSUAL OR EXCESSIVE NOISE OR VIBRATION. UNUSUAL OR EXCESSIVE NOISE OR VIBRATION SHALL BE CORRECTED.
37. EQUIPMENT, MATERIALS AND LABOR REQUIRED BY THESE CONTRACT DRAWINGS SHALL BE GUARANTEED TO BE FREE FROM DEFECTIVE MATERIALS OR WORKMANSHIP FOR ONE YEAR AFTER FINAL ACCEPTANCE OF THE PROJECT UNLESS SPECIFIED OTHERWISE. DEFECTIVE MATERIALS OR WORKMANSHIP OCCURRING DURING THIS PERIOD SHALL BE CORRECTED AT NO ADDITIONAL COST.

HVAC LEGEND

Term	Abbreviation	Symbol label
ABOVE	ABV	
ABOVE FINISHED FLOOR	AFF	
AIR HANDLING UNIT	AHU	
BALANCING VALVE		
BELOW	BEL	
BOTTOM GRILLE	BG	
BOTTOM REGISTER	BR	
CABINET UNIT HEATER	CUH	
CAPACITY	CAP	
CEILING	CLG	
CEILING DIFFUSER	CD	
CEILING GRILLE	CG	
CEILING REGISTER	CR	
CHECK VALVE		
CHILLED WATER RETURN PIPE	CWR	CWR
CHILLED WATER SUPPLY PIPE	CWS	CWS
CIRCUIT SETTER		CS(GPM)
CUBIC FEET PER MINUTE	CFM	
DEGREES FAHRENHEIT	°F	
DIAMETER	DIA	
DIRECTION OF FLOW		
DIRECTION OF SLOPE DOWN		
DOOR GRILLE	DG	
DOWN	DN	
DRY BULB	DB	
DUCT SLOPE DOWN		DN
DUCT SLOPE UP		UP
DUCT TRANSITION		
DUCTWORK (NEW)		
ACOUSTIC LINED		
RETURN & EXHAUST		
SUPPLY		
DUCTWORK (EXISTING TO REMAIN)		EX
RETURN		EX R
EXHAUST		EX E
SUPPLY		EX S
DUCTWORK (EXISTING TO BE REMOVED)		
RETURN		R
EXHAUST		E
SUPPLY		S
EACH	EA	
ELECTRIC WALL HEATER	EWH	
ENTERING AIR TEMPERATURE	EAT	
ENTERING WATER TEMPERATURE	EWT	
EXISTING, REMOVE FROM THIS POINT		
FEET	FT	
FEET PER MINUTE	FPM	
FIRE DAMPER	FD	
FIRE/SMOKE DAMPER	FSD	
FIRESTAT	FS	
FLEXIBLE DUCT CONNECTION		
FLEXIBLE DUCT RUNOUT		
FLEXIBLE PIPE CONNECTION		
GALLONS	GAL	
GALLONS PER MINUTE	GPM	
HEATING WATER PUMP	HWP	
HEATING WATER RETURN PIPE	HWR	HWR
HEATING WATER SUPPLY PIPE	HWS	HWS
HORSEPOWER	HP	
HOUR	HR	
HUMIDISTAT		H
INCH	IN	
KILOWATT	KW	
LEAVING AIR TEMPERATURE	LAT	
LEAVING WATER TEMPERATURE	LWT	
MANUAL AIR VENT		MAV
MANUAL DAMPER	MD	
MOTOR OPERATED DAMPER	MOD	
NEW CONNECTED TO EXISTING		
OUTDOOR AIR	OA	
OVAL		
PIPING INDICATION WITH RESPECT TO FLOW		
BOTTOM TAKEOFF		
SIDE CONNECTION		
TOP TAKEOFF		
TURN DOWN OR FROM BELOW		
TURN UP OR DOWN		
TURN UP OR FROM ABOVE		
POUNDS	LBS	
POUNDS PER SQUARE INCH GAGE	PSIG	
PRESSURE DROP	PD	
PRESSURE GAUGE		
PRESSURE RELIEF VALVE		R
REVOLUTIONS PER MINUTE	RPM	
SERVICE VALVE		
SMOKE DAMPER	SMD	
STATIC PRESSURE	SP	
THERMOMETER		
THERMOSTAT OR TEMPERATURE SENSOR	T'STAT	T
THOUSAND BTU PER HOUR	MBH	
THREE-WAY CONTROL VALVE		
TOP GRILLE	TG	
TOP REGISTER	TR	
TWO-WAY CONTROL VALVE		
UNION		
WALL HEATER	WH	
WET BULB	WB	

ROOFTOP UNIT SCHEDULE

ID	AIR COOLING CAPACITY: MANUFACTURER AND MODEL NUMBER	SUPPLY AIRFLOW RATE (CFM)	OUTSIDE AIRFLOW RATE (CFM)	TOTAL LOAD (MBH)	SENSIBLE LOAD (MBH)	ENTERING TEMP. DB/WB (°F)	LEAVING TEMP. DB/WB (°F)	FAN: EXTERNAL STATIC PRESSURE DROP (IN H20)	HEATING CAPACITY (HW COIL): FLOW RATE (GPM)	WATER TEMP. (° F)	ENTERING TEMP. (°F)	LEAVING TEMP. (°F)	PRESSURE DROP (FT)	ELECTRICAL: EVAP. FAN MOTOR SIZE (HP)	VOLT/PH	MCA (AMPS)	MROPD (AMPS)	FILTERS: FILTER SIZE/TYPE
RTU-10	DAIKIN / DPSC04B	1,400	500	46.8	36.9	80 / 67	55.4 / 54.3	1.5	4.0	140.0	64.0	90.5	1.6	1.7 / ECM	480/3	15.4	20	2" MERV 8

NOTES:
1. FURNISH ONE-YEAR MANUFACTURER'S WARRANTY INCLUDING PARTS, REFRIGERANT AND LABOR.
2. FURNISH FIVE-YEAR MANUFACTURER'S WARRANTY FOR COMPRESSORS.
3. PROVIDE COMPARATIVE ENTHALPY ECONOMIZER CONTROL.
4. PROVIDE BAROMETRIC RELIEF DAMPER AND MODULATING MOTORIZED INTAKE DAMPER.
5. SUPPLY FAN SHALL BE FORWARD CURVED.
6. EXTERNAL STATIC PRESSURE INCLUDES FILTER MID-LIFE CONDITIONS.
7. PROVIDE SINGLE POINT POWER CONNECTION, FAN STARTERS AND DISCONNECT SWITCH AND 120-VOLT CONVENIENCE RECEPTACLE.
8. SUPPLY FAN SHALL HAVE EXTENDED GREASE LINES AND SPRING ISOLATORS FOR FAN/MOTOR ASSEMBLY.
9. ROOFTOP UNITS SHALL HAVE 14-INCH HIGH ROOF CURB; GALVANIZED STEEL CHANNEL FRAME WITH GASKETS AND NAILER STRIP.

NEW AIR DEVICES SHALL BE AS FOLLOWS (TO MATCH EXISTING):
CD-1 SUPPLY DIFFUSER METAL INDUSTRIES MODEL 5700-6
CG-1 RETURN GRILLE METAL INDUSTRIES MODEL V4002R

1/32" = 1'-0" 0' 16' 32' 48' | 1/16" = 1'-0" 0' 4' 8' 16' 24' | 3/32 = 1'-0" 0' 4' 8' 16' | 1/8" = 1'-0" 0' 4' 8' 12' | 1/4" = 1'-0" 0' 2' 4' 6' | 3/8" = 1'-0" 0' 1' 2' 3' 4' | 1/2" = 1'-0" 0' 6" 1' 2' 3' | 3/4" = 1'-0" 0' 6" 1' 2' | 1" = 1'-0" 0' 3" 6" 9" 1' 1.5' | 1 1/2" = 1'-0" 0' 3" 6" 9" 1' | 3" = 1'-0" 0' 1" 2" 3" 4" 5" 6" | 6" = 1'-0" 0' 1" 2" 3" | 12" = 1'-0" 0' 1" 1.5"

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DATE FEB 28, 2025
PROJECT 21195-10
DESIGNED FLM
DRAWN FLM
CHECKED RDF

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COMMONWEALTH OF VIRGINIA
02/28/25
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Lic. No. 034568
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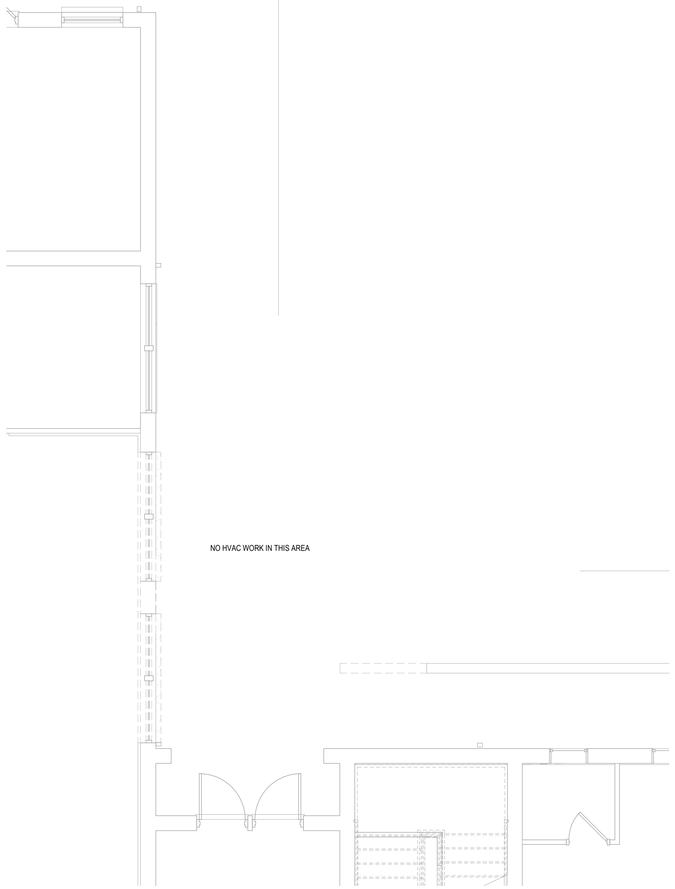
PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148

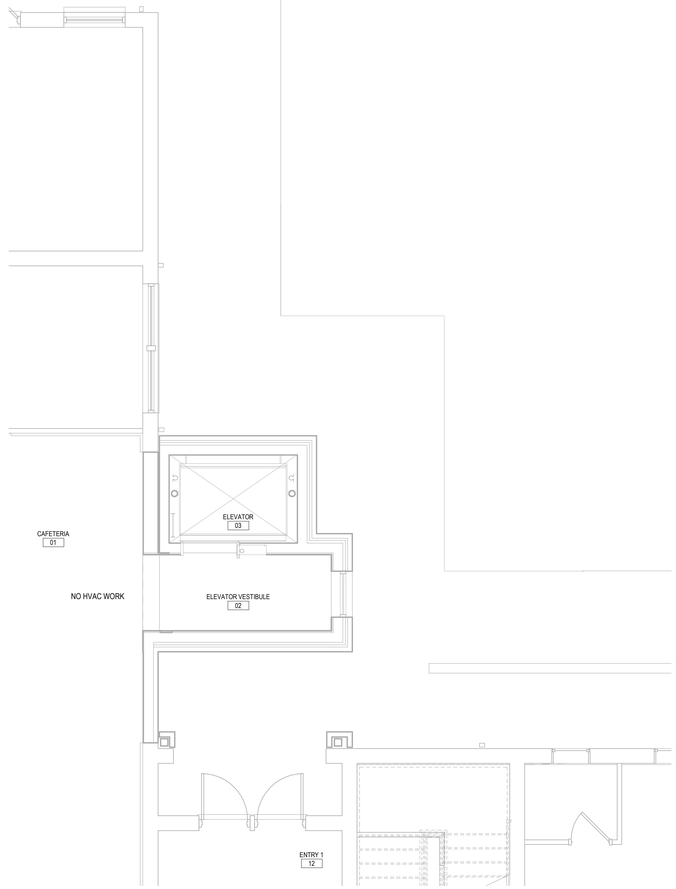
DRAWING
HVAC LEGEND, DETAILS AND NOTES

SHEET
M-001



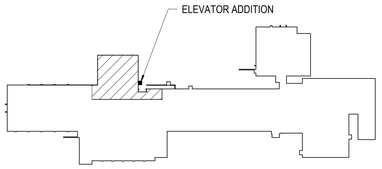
FIRST FLOOR DEMOLITION PLAN - HVAC

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



FIRST FLOOR PLAN - HVAC

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



KEY PLAN

NOT TO SCALE

TRUE NORTH

PLAN NORTH

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PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148

DRAWING
FIRST FLOOR AND ELEVATOR PIT PLANS - HVAC

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M-101

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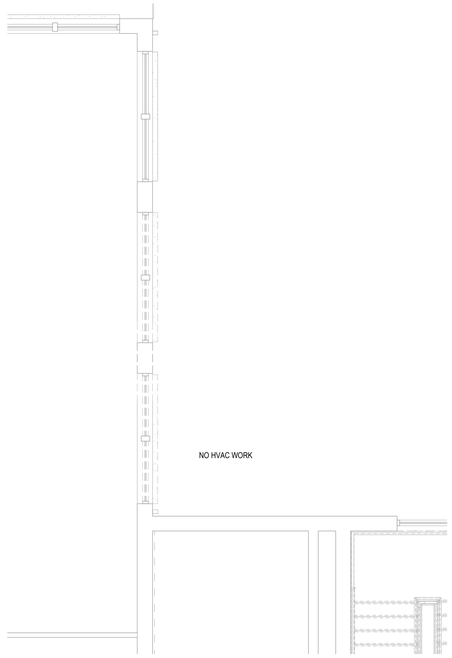
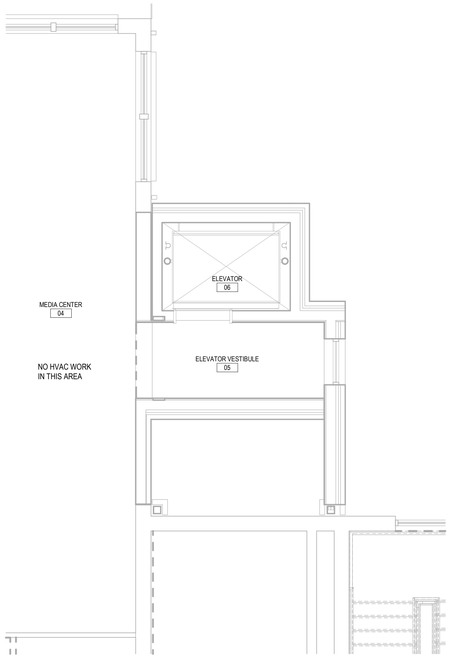
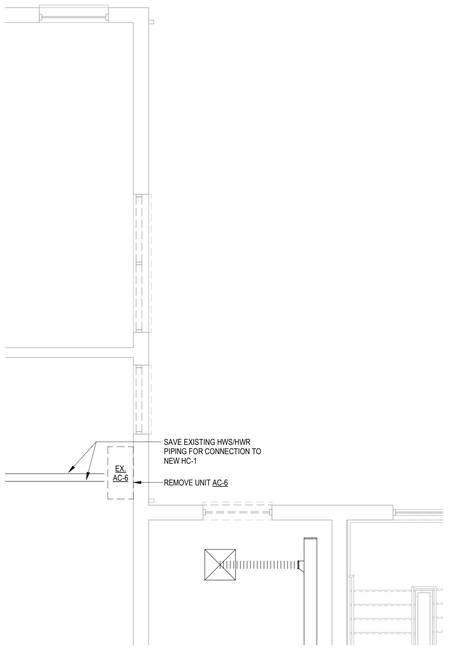


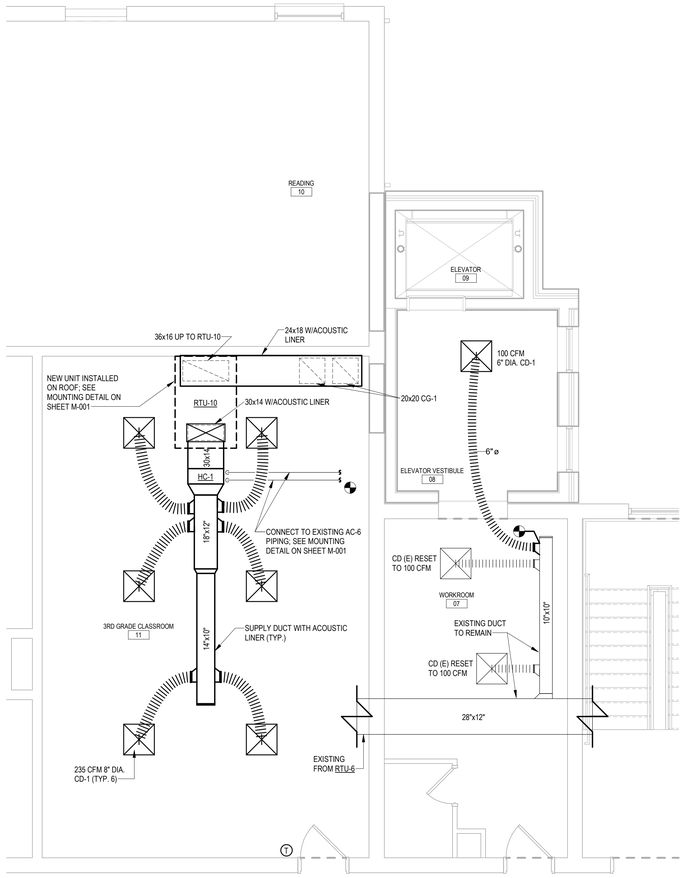
SECOND FLOOR DEMOLITION PLAN - HVAC
SCALE: 1/4" = 1'-0"



SECOND FLOOR PLAN - HVAC
SCALE: 1/4" = 1'-0"

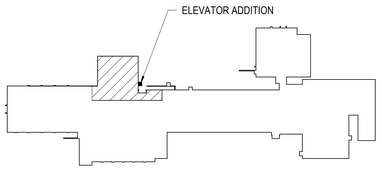


THIRD FLOOR DEMOLITION PLAN - HVAC
SCALE: 1/4" = 1'-0"



THIRD FLOOR PLAN - HVAC
SCALE: 1/4" = 1'-0"

ROOF PLAN - HVAC
SCALE: 1/4" = 1'-0"



TRUE NORTH PLAN NORTH

KEY PLAN
NOT TO SCALE

MARK	DATE	BY	DESCRIPTION

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COMMONWEALTH OF VIRGINIA
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PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148

DRAWING
SECOND, THIRD AND ROOF FLOOR PLANS - HVAC

VIRGINIA DEPARTMENT OF EDUCATION: ??

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ELECTRICAL LEGEND - LOW VOLTAGE

MTG. HGT.	SYMBOL	DESCRIPTION
1'-8" TO TOP		COMMUNICATION (DATA AND/OR VOICE) OUTLET, WALL.
	Ⓦ	WIRELESS ACCESS POINT (WAP), CEILING MOUNTED.
8'-0" TO TOP	-Ⓦ	WIRELESS ACCESS POINT (WAP), WALL MOUNTED.

LOW-VOLTAGE CABLES:

1D:B118 TEXT BESIDE DEVICE INDICATES LOW-VOLTAGE CABLING AS FOLLOWS:
RIGHT OF COLON = ROOM NUMBER OF MDF OR IDF CLOSETS FROM WHICH CABLES ORIGINATE.
LEFT OF COLON = CABLE QUANTITY(S) AND TYPE(S) AS FOLLOWS:

#C = SECURITY CAMERA CABLES: PLENUM RATED UTP CATEGORY 6 WITH PANDUIT MINI-COM CONNECTORS ON BOTH ENDS, UNLESS NOTED OTHERWISE IN DIVISION 27 OR 28 SPECIFICATIONS, ON THE DRAWINGS, OR REQUIRED BY OWNER.

#CR = CARD READER CABLE: PLENUM RATED UTP CATEGORY 6 WITH PANDUIT MINI-COM CONNECTORS ON BOTH ENDS, UNLESS NOTED OTHERWISE IN DIVISION 27 OR 28 SPECIFICATIONS, ON THE DRAWINGS, OR REQUIRED BY OWNER.

#D = DATA CABLE: PLENUM RATED UTP CATEGORY 6 WITH PANDUIT MINI-COM CONNECTORS ON BOTH ENDS, UNLESS NOTED OTHERWISE DIVISION 27 OR 28 SPECIFICATIONS, ON THE DRAWINGS, OR REQUIRED BY OWNER.

ELECTRICAL LEGEND - SECURITY

MTG. HGT.	SYMBOL	DESCRIPTION
	Ⓒ	SECURITY SYSTEM (CCTV SURVEILLANCE) VIDEO CAMERA, CEILING.
8'-0" TO TOP	-Ⓒ	SECURITY SYSTEM (CCTV SURVEILLANCE) VIDEO CAMERA, WALL.
4'-0" TO TOP	-CR	ACCESS CONTROL SYSTEM CARD READER OR KEYPAD, WALL.

ELECTRICAL LEGEND - FIRE ALARM

MTG. HGT.	SYMBOL	DESCRIPTION
	ERC, DR Ⓢ	SMOKE DETECTOR, CEILING. "ERC" = ELEVATOR RECALL. "DR" = DOOR RELEASE.
	Ⓗ	HEAT DETECTOR, CEILING.
4'-0" TO TOP	F	FIRE ALARM MANUAL PULL STATION, WALL.
8'-0" TO TOP	F 30	FIRE ALARM HORN OR SPEAKER (AS INDICATED IN SPECIFICATIONS) WITH INTEGRAL VISUAL DEVICE, WALL. NUMBER INDICATES VISUAL DEVICE MINIMUM CANDELA RATING.
8'-0" TO TOP	F 30	FIRE ALARM VISUAL DEVICE, WALL. NUMBER INDICATES VISUAL DEVICE MINIMUM CANDELA RATING.
	Ⓕ 30	FIRE ALARM HORN OR SPEAKER (AS INDICATED IN SPECIFICATIONS) WITH INTEGRAL VISUAL DEVICE, CEILING. NUMBER INDICATES VISUAL DEVICE MINIMUM CANDELA RATING.
	Ⓕ 30	FIRE ALARM VISUAL DEVICE, CEILING. NUMBER INDICATES VISUAL DEVICE MINIMUM CANDELA RATING.
	Ⓕ	FIRE ALARM HORN OR SPEAKER (AS INDICATED IN SPECIFICATIONS), CEILING.

ELECTRICAL LEGEND - POWER DEVICES

MTG. HGT.	SYMBOL	DESCRIPTION
1'-8" TO TOP	E,TR,SS,H, R,C,U,WP	RECEPTACLE, DUPLEX, WALL. ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT. "E" = EMERGENCY RECEPTACLE (RED IN COLOR). "TR" = TAMPER RESISTANT RECEPTACLE. "SS" = SURGE SUPPRESSOR RECEPTACLE. "H" = HORIZONTALLY MOUNTED. "R" = RECESSED RECEPTACLE WALL BOX. "C" = LOAD CONTROLLED RECEPTACLE VIA OCCUPANCY SENSOR AND RELAY PANEL. "U" = COMBINATION DUPLEX RECEPTACLE AND DUAL USB OUTLETS. "WP" = WHILE-IN-USE WEATHER-PROOF COVER PLATE.
1'-8" TO TOP	E,SS,H,R, C,U,WP	RECEPTACLE, DUPLEX TAMPER RESISTANT, WALL. ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT. "E" = EMERGENCY RECEPTACLE (RED IN COLOR). "SS" = SURGE SUPPRESSOR RECEPTACLE. "H" = HORIZONTALLY MOUNTED. "R" = RECESSED RECEPTACLE WALL BOX. "C" = LOAD CONTROLLED RECEPTACLE VIA OCCUPANCY SENSOR AND RELAY PANEL. "U" = COMBINATION DUPLEX RECEPTACLE AND DUAL USB OUTLETS. "WP" = WHILE-IN-USE WEATHER-PROOF COVER PLATE.
1'-8" TO TOP	E,TR,H,R,WP	RECEPTACLE, DUPLEX GFCI, WALL. ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT. "E" = EMERGENCY RECEPTACLE (RED IN COLOR). "TR" = TAMPER RESISTANT RECEPTACLE. "H" = HORIZONTALLY MOUNTED. "R" = RECESSED RECEPTACLE WALL BOX. "WP" = WHILE-IN-USE WEATHER-PROOF COVER PLATE.
1'-8" TO TOP	E,TR,SS, R,C,U,WP	RECEPTACLES, TWO DUPLEX (QUAD) IN A TWO GANG OUTLET BOX, WALL. ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT. "E" = EMERGENCY RECEPTACLE (RED IN COLOR). "TR" = TAMPER RESISTANT RECEPTACLE. "SS" = SURGE SUPPRESSOR RECEPTACLE. "R" = RECESSED RECEPTACLE WALL BOX. 'C" = LOAD CONTROLLED RECEPTACLE VIA OCCUPANCY SENSOR AND RELAY PANEL. "U" = COMBINATION DUPLEX RECEPTACLE AND DUAL USB OUTLETS. "WP" = WHILE-IN-USE WEATHER-PROOF COVER PLATE.
1'-8" TO TOP	D,R	RECEPTACLE, SPECIAL PURPOSE, WALL. D = CLOTHES DRYER (NEMA 14-30R), R = RANGE (NEMA 14-50R), UNLESS OTHER NEMA TYPE IS NOTED ON DRAWINGS OR IN SPECIFICATIONS.
1'-8" TO TOP	-Ⓙ	JUNCTION BOX, WALL.
	Ⓙ	JUNCTION BOX, CEILING.

ELECTRICAL LEGEND - LIGHTING

MTG. HGT.	SYMBOL	DESCRIPTION
	A1	LIGHTING FIXTURE TYPE DESIGNATION.
		LIGHTING FIXTURE, LED, CEILING MOUNTED. SYMBOL SIZE VARIES WITH LIGHTING FIXTURE TYPE.
		LIGHTING FIXTURE, LED, CEILING MOUNTED CONNECTED ON EMERGENCY CIRCUIT. (TYPICAL FOR ALL LIGHTING FIXTURES WITH SOLID FILL OR WITH 'E' DESIGNATION)
		LIGHTING FIXTURE, LED, WALL MOUNTED. SYMBOL SIZE VARIES WITH LIGHTING FIXTURE TYPE. WALL MOUNTED AS NOTED IN LIGHT FIXTURE SCHEDULE OR ON DRAWINGS.
		LIGHTING FIXTURE, LED, CEILING MOUNTED.
		LIGHTING FIXTURE, LED, WALL MOUNTED.
7'-6" TO CENTER		EMERGENCY LIGHTING UNIT, SELF-CONTAINED, SURFACE WALL MOUNTED WITH INTEGRAL BATTERY AND UNIT MOUNTED LIGHTING HEADS.
		LED EXIT SIGN, CEILING MOUNTED. SHADED QUADRANT(S) INDICATES FACE(S). PROVIDE ARROWS AS INDICATED ON DRAWINGS. LIGHTING FIXTURE TYPES "X1 & X2", UNO.
7'-6" TO BOTTOM, UNO		LED EXIT SIGN, WALL MOUNTED. SHADED QUADRANT(S) INDICATES FACE(S). PROVIDE ARROWS AS INDICATED ON DRAWINGS. LIGHTING FIXTURE TYPES "X3 & X4", UNO.

ELECTRICAL LEGEND - LIGHTING CONTROLS

MTG. HGT.	SYMBOL	DESCRIPTION
4'-0" TO TOP	$L1	SWITCH, LOW VOLTAGE LIGHTING CONTROL, WALL-BOX MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
4'-0" TO TOP	$L2	0-10V DIMMER, LOW VOLTAGE LIGHTING CONTROL,WALL-BOX MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
4'-0" TO TOP	$O1	SWITCH WITH INTEGRAL OCCUPANCY SENSOR, WALL-BOX MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
4'-0" TO TOP	$V1	SWITCH WITH INTEGRAL VACANCY SENSOR, WALL-BOX MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
4'-0" TO TOP	$OD	COMBINATION 0-10V DIMMER AND OCCUPANCY SENSOR, WALL-BOX MOUNTED. TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
	O1	OCCUPANCY SENSOR, CEILING MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
	V1	VACANCY SENSOR, CEILING MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.

ELECTRICAL LEGEND - GENERAL

MTG. HGT.	SYMBOL	DESCRIPTION
	1	PLAN NOTE DESIGNATION.
	NLA1A-3	CIRCUIT DESIGNATION. DESIGNATION SHOWN INDICATES PANEL NLA1A AND CIRCUIT NUMBER 3.

NOTES (ELECTRICAL LEGEND):

1. THESE ARE STANDARD ELECTRICAL SYMBOLS AND MAY NOT ALL APPEAR ON THE PROJECT DRAWINGS. HOWEVER, WHEREVER AN ELECTRICAL SYMBOL APPEARS ON THE PROJECT DRAWINGS, THE ITEM SHALL BE FURNISHED AND INSTALLED.
2. MOUNTING HEIGHTS NOTE IN THIS SCHEDULE ARE FROM FINISHED FLOOR TO TOP OF OUTLET OR EQUIPMENT, UNO. WHERE THE MOUNTING HEIGHT INDICATED ON THE DRAWINGS IS DIFFERENT FROM THE LEGEND, THE DRAWING TAKES PRECEDENT. SEE DRAWINGS FOR MOUNTING HEIGHTS NOT INDICATED IN THE LEGEND. MOUNTING HEIGHT NOTED ON THE DRAWINGS ARE FROM FINISHED FLOOR TO TOP OF DEVICE.
3. SEE ELECTRICAL ABBREVIATIONS FOR ALPHABETIC SUBSCRIPT WITH SYMBOL, UNO.
4. REFER TO DETAILS ON DRAWINGS FOR ADDITIONAL INFORMATION.

ELECTRICAL LEGEND - POWER EQUIPMENT

MTG. HGT.	SYMBOL	DESCRIPTION
	Ⓜ	ELECTRIC MOTOR CONNECTION
6'-0" TO TOP		208/120 VOLT SURFACE OR FLUSH MOUNTED PANELBOARD.
6'-0" TO TOP		480/277 VOLT SURFACE OR FLUSH MOUNTED PANELBOARD.
5'-0" TO TOP	S	NON-FUSABLE SAFETY SWITCH, WALL OR EQUIPMENT MOUNTED. "S" DENOTES TOGGLE SWITCH TYPE.
5'-0" TO TOP	N/3/60	NON-FUSIBLE SAFETY SWITCH, WALL OR EQUIPMENT MOUNTED. NUMBER INDICATES SAFETY SWITCH 3-POLE/60 AMP RATING.
5'-0" TO TOP	F/3/60/45	FUSIBLE SAFETY SWITCH, WALL OR EQUIPMENT MOUNTED. NUMBER INDICATES SAFETY SWITCH 3-POLE/60 AMP RATINGS/45 AMP FUSES.

ELECTRICAL LEGEND - RESCUE ASSISTANCE

MTG. HGT.	SYMBOL	DESCRIPTION
4'-0" TO TOP	-RA	2-WAY EMERGENCY COMMUNICATION SYSTEM - CALL STATION, FLUSH WALL MOUNTED.
5'-0" TO TOP	-RA MS	2-WAY EMERGENCY COMMUNICATION SYSTEM - MASTER STATION, FLUSH WALL MOUNTED.

ELECTRICAL ABBREVIATIONS

A OR AMP	AMPERE	KWH	KILOWATT-HOUR
ABV	ABOVE	LED	LIGHT EMITTING DIODE
AC	ALTERNATING CURRENT	LGTS	LIGHTS
AF OR AFI	ARC FAULT INTERRUPTER	LUM	LUMENS OR LUMINAIRE
AFF	ABOVE FINISHED FLOOR	MAG	MAGNETIC
AIC	AMPERES INTERRUPTING CAPACITY	MAN	MANUAL
AL	ALUMINUM	MCA	MINIMUM CIRCUIT AMPACITY
ATS	AUTOMATIC TRANSFER SWITCH	MCB	MAIN CIRCUIT BREAKER
AWG	AMERICAN WIRE GAGE	MCC	MOTOR CONTROL CENTER
BEL	BELOW	MCM	THOUSAND CIRCULAR MILS
BOT	BOTTOM	MDF	MAIN DISTRIBUTION FRAME
BRKR	BREAKER	M/G	MOTOR/GENERATOR
CA	CABLE	MH	METAL HALIDE OR MOUNTING HEIGHT
CB	CIRCUIT BREAKER	MIN	MINIMUM
CKT	CIRCUIT	MLO	MAIN LUGS ONLY
CLG	CEILING	MOCP	MAXIMUM OVER CURRENT PROTECTION
CND	CONDUIT	MTD	MOUNTED
CNTR	CENTER	MTG	MOUNTING
COMB	COMBINATION	MTR	METER
COND	CONDUCTOR	N OR NORM	NORMAL
CONN	CONNECTION	NEC	NATIONAL ELECTRICAL CODE
CONT	CONTACTOR	NEUT	NEUTRAL
CU	COPPER	NFSS	NON-FUSIBLE SAFETY SWITCH
DC	DIRECT CURRENT	NO	NUMBER
DIM	DIMENSION	OH	OVERHEAD
DISC	DISCONNECT	P	POLE
DIV.	DIVISION	PB	PULL BOX OR PUSHBUTTON
DWG	DRAWING	PH	PHASE
E OR EMER	EMERGENCY	PNL	PANEL OR PANELBOARD
EGC	EQUIPMENT GROUNDING EQUIPMENT	PNLBRD	PANELBOARD
EL	EXIST RELOCATED TO THIS LOCATION	PRI	PRIMARY
ELEC	ELECTRIC OR ELECTRICAL	PVC	POLYVINYL CHLORIDE
ELEV	ELEVATOR	PWR	POWER
EM	EXIST REMOVED	QTY	QUANTITY
EML	EXIST REMOVED AND RELOCATED	REC	RECEPTACLE
EMN	EXIST REMOVED AND NEW INSTALLED	RGS	RIGID GALVANIZED STEEL CONDUIT
EMT	ELECTRICAL METALLIC TUBING	S/O	SPACE ONLY
ENCL	ENCLOSURE	SCCR	SHORT CIRCUIT CURRENT RATING
ENG	ENGINE	SEC	SECONDARY
EQUIP	EQUIPMENT	SN	SOLID NEUTRAL
ER	EXIST TO REMAIN	SP	SPECIAL PURPOSE
ERC	ELEVATOR RECALL	SPD	SURGE PROTECTIVE DEVICE
EXIST	EXISTING	SPKR	SPEAKER
EXT	EXTERIOR	SS	SURGE SUPPRESSOR
FA	FIRE ALARM	STR	STARTER
FACP	FIRE ALARM CONTROL PANEL	SW	SWITCH
FACU	FIRE ALARM CONTROL UNIT	SWBD	SWITCHBOARD
FDR	FEEDER	SWGR	SWITCHGEAR
FC	FOOTCANDLE	SYM	SYMMETRICAL
FSD	FIRE/SMOKE DAMPER	T	TAMPER RESISTANT
FSS	FUSIBLE SAFETY SWITCH	TEL	TELEPHONE
FXTR	FIXTURE	TR	TAMPER RESISTANT
GEN	GENERATOR	TYP	TYPICAL
GF OR GFI	GROUND FAULT INTERRUPTER	UC	UNDERCOUNTER
GFP	GROUND FAULT PROTECTION/PROTECTED	UF	UNDERFLOOR
GND	GROUND	UG	UNDERGROUND
H OR HOR	HORIZONTAL	UL	UNDERWRITERS' LABORATORIES
HGT	HEIGHT	UNO	UNLESS NOTED OTHERWISE
HP	HORSEPOWER OR HEAT PUMP	V	VOLT
HTR	HEATER	VA	VOLT-AMPERE
HZ	HERTZ	VERT	VERTICAL
IDF	INTERMEDIATE DISTRIUBTION FRAME	W	WATT OR WIRE
JB	JUNCTION BOX	WG	WIRE GUARD
KCMIL	THOUSAND CIRCULAR MILS	WP	WEATHERPROOF
KO	KNOCKOUT	XFMR	TRANSFORMER
KV	KILOVOLT		
KVA	KILOVOLT-AMPERE		
KW	KILOWATT		

NOTE (ELECTRICAL ABBREVIATIONS):

1. ALL ABBREVIATIONS LISTED MAY NOT APPLY TO THIS PROJECT. REFER TO OTHER ABBREVIATION LISTS ELSEWHERE IN THESE DOCUMENTS FOR ABBREVIATIONS NOT LISTED HERE.

GENERAL DEMOLITION NOTES:

1. SCOPE: THE SCOPE OF ELECTRICAL DEMOLITION IS DEFINED IN THE FOLLOWING NOTES AND IN LIMITED FASHION ON THE DRAWINGS; THE DRAWINGS ARE ONLY INTENDED TO BE A PARTIAL REPRESENTATION OF THE ACTUAL DEMOLITION WORK REQUIRED. THESE NOTES ONLY APPLY TO THE AREAS OF RENOVATION. IN GENERAL, THE DEMOLITION SCOPE IS THE REMOVAL OF ALL EXISTING ELECTRICAL SYSTEMS IN THE AREAS OF RENOVATION, EXCEPT AS NOTED OTHERWISE IN THESE NOTES AND ON THE DRAWINGS.

2. ELECTRICAL SERVICE: THE EXISTING ELECTRICAL SERVICE SHALL BE USED WHILE A NEW ELECTRICAL SERVICE IS BEING INSTALLED. SOME DOWNTIME WILL LIKELY STILL BE REQUIRED. ALL ELECTRICAL SERVICE DOWNTIME REQUIRED SHALL BE COORDINATED WITH OWNER AND SHALL BE AT THE OWNER'S CONVENIENCE. DOWNTIME SHALL BE KEPT TO THE MINIMUM. ANY EXTENDED DOWNTIME REQUIRED SHALL BE COORDINATED WITH OWNER AND SHALL BE OUTSIDE OF NORMAL SCHOOL HOURS.

3. PANELBOARDS: REMOVE ALL EXISTING PANELBOARDS, UNLESS NOTED OTHERWISE, AND REPLACE WITH NEW PANELBOARDS. HOWEVER, NOTE THAT THE EXISTING PANELBOARDS SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL THE NEW SWITCHBOARD AND THE NEW DRY-TYPE TRANSFORMER ARE INSTALLED.

4. DEVICES (RECEPTACLES, LIGHTING CONTROLS, ETC.):
   A. WHERE DEVICES ARE NOTED TO BE DEMOLISHED:
      a. FLUSH MOUNTED DEVICES TO BE REMOVED (NOT REPLACED IN PLACE) OCCUR IN EXISTING WALLS TO REMAIN: REMOVE DEVICE; REMOVE COVER PLATE; REMOVE WIRES BACK TO UP STREAM DEVICE, HOMERUN JUNCTION BOX, OR PANELBOARD. PROVIDE NEW BLANK COVER PLATE, WHICH SHALL MATCH COVER PLATES FOR NEW WORK OR IF NO NEW WORK THEN SHALL MATCH EXISTING COVER PLATES.
         1. WHERE EXISTING WIRING AT DEVICE IS UP STREAM OF OTHER DOWN STREAM DEVICES, REWORK THE EXISTING WIRING TO REMOVE THE DEVICE, BUT TO MAINTAIN CIRCUIT CONTINUITY TO THE DOWN STREAM DEVICES. PROVIDE ALL REQUIRED MATERIALS TO REWORK THE EXISTING WIRING.
      b. FLUSH MOUNTED DEVICES TO BE REMOVED THAT OCCUR IN EXISTING WALLS TO BE REMOVED: REMOVE DEVICE; REMOVE COVER PLATE; REMOVE WIRES BACK TO UP STREAM DEVICE, HOMERUN JUNCTION BOX, OR PANELBOARD; REMOVE ASSOCIATED BOX; AND REMOVE CONDUIT. ANY CONDUIT NOT ACCESSIBLE SHALL BE CUT AND LEFT ABANDONED IN THE EXISTING WALLS.
         1. WHERE THE EXISTING DEVICE IS THE FIRST DEVICE THAT THE HOMERUN CIRCUIT LANDS TO AND THEN FEEDS OTHER DOWN STREAM DEVICES:
            A. WHERE THE EXISTING HOMERUN CIRCUIT IS ROUTED OVERHEAD: CAPTURE THE EXISTING HOMERUN CIRCUIT (CONDUIT AND WIRING) OVERHEAD BEFORE IT TURNS DOWN INTO THE EXISTING WALL BEING DEMOLISHED.
               a. WHERE THERE IS AN EXISTING HOMERUN JUNCTION BOX IN THE CEILING BEFORE IT TURNS DOWN TO THE FIRST DEVICE: REMOVE THE CONDUIT AND WIRING BETWEEN THE FIRST DEVICE AND THE HOME RUN JUNCTION BOX. THEN PROVIDE NEW CONDUIT AND WIRING (TO MATCH EXISTING) FROM THE EXISTING HOMERUN JUNCTION BOX TO THE NEXT DEVICE DOWN STREAM OF THE FIRST DEVICE (THAT WAS REMOVED) AND RECONNECT THE WIRING.
               b. WHERE THE HOMERUN CIRCUIT EXTENDS FROM THE PANEL ALL THE WAY TO THE FIRST DEVICE: PULL OUT THE EXISTING WIRING FROM THE EXISTING CONDUIT. CUT THE CONDUIT UP ABOVE THE ACCESSIBLE CEILING SPACE. PROVIDE A NEW JUNCTION BOX ON THE END OF THE EXISTING CONDUIT. PROVIDE NEW CONDUIT AND WIRING (TO MATCH EXISTING) FROM THE NEW HOMERUN JUNCTION BOX TO THE NEXT DEVICE DOWN STREAM OF THE FIRST DEVICE (THAT WAS REMOVED) AND RECONNECT THE WIRING. MAINTAIN CIRCUIT CONTINUITY TO DOWN STREAM DEVICES.
               c. WHERE EXISTING WALLS ARE NOT ACCESSIBLE TO RUN NEW HARD CONDUIT DOWN WITHIN THE EXISTING WALLS PROVIDE AND UTILIZE MC CABLE TO FISH DOWN WITHIN THE EXISTING WALLS. WHERE EXISTING WALLS AND EXISTING RECESSED WALL BOXES DO NOT ALLOW FOR HARD CONDUIT OR MC CABLE THEN PROVIDE SURFACE RACEWAY (TWO PIECE SINGLE-CHANNEL) TO BE ROUTED FROM THE CEILING DOWN TO THE NEXT DEVICE DOWN STREAM. PROVIDE A SURFACE MOUNTED BOX TO COVER THE EXISTING RECESSED WALL BOX, WHERE SIZE OF SURFACE BOX WILL ACCOMMODATE THE NEW DEVICE AND BE ABLE TO CONNECT TO THE EXISTING WIRING WITHIN THE EXISTING RECESSED WALL BOX. **COORDINATE WITH ARCHITECT FOR ANY LOCATIONS THAT SURFACE RACEWAY WILL BE USED.** ALSO COORDINATE ALL SURFACE RACEWAY AROUND ANY NEW OR EXISTING EQUIPMENT, DEVICES, MARKERBOARDS, SMARTBOARDS, CABINETS, ETC. ON THE EXISTING WALLS (NOTE THAT THIS COULD RESULT IN LONGER RUNS OF SURFACE RACEWAY TO AVOID THESE OBSTACLES).
            B. WHERE THE EXISTING HOMERUN CIRCUIT IS ROUTED BELOW THE SLAB: REMOVE THE WIRING BETWEEN THE FIRST DEVICE AND EITHER THE FIRST HOME RUN JUNCTION BOX ABOVE THE SLAB OR THE PANELBOARD. CUT CONDUIT FLUSH WITH FINISHED FLOOR AND FILL WITH GROUT AND FINISH TO MATCH EXISTING FLOOR SURFACE. PROVIDE NEW CONDUIT AND WIRING (TO MATCH EXISTING) FROM EITHER THE FIRST EXISTING HOMERUN JUNCTION BOX ABOVE THE SLAB OR FROM THE EXISTING PANELBOARD TO THE NEXT DEVICE DOWN STREAM OF THE FIRST DEVICE (THAT WAS REMOVED) AND RECONNECT THE WIRING. MAINTAIN CIRCUIT CONTINUITY TO DOWN STREAM DEVICES.
               a. WHERE EXISTING WALLS ARE NOT ACCESSIBLE TO RUN NEW HARD CONDUIT DOWN WITHIN THE EXISTING WALLS PROVIDE AND UTILIZE MC CABLE TO FISH DOWN WITHIN THE EXISTING WALLS. WHERE EXISTING WALLS AND EXISTING RECESSED WALL BOXES DO NOT ALLOW FOR HARD CONDUIT OR MC CABLE THEN PROVIDE SURFACE RACEWAY (TWO PIECE SINGLE-CHANNEL) TO BE ROUTED FROM THE CEILING DOWN TO THE NEXT DEVICE DOWN STREAM. PROVIDE A SURFACE MOUNTED BOX TO COVER THE EXISTING RECESSED WALL BOX, WHERE SIZE OF SURFACE BOX WILL ACCOMMODATE THE NEW DEVICE AND BE ABLE TO CONNECT TO THE EXISTING WIRING WITHIN THE EXISTING RECESSED WALL BOX. **COORDINATE WITH ARCHITECT FOR ANY LOCATIONS THAT SURFACE RACEWAY WILL BE USED.** ALSO COORDINATE ALL SURFACE RACEWAY AROUND ANY NEW OR EXISTING EQUIPMENT, DEVICES, MARKERBOARDS, SMARTBOARDS, CABINETS, ETC. ON THE EXISTING WALLS (NOTE THAT THIS COULD RESULT IN LONGER RUNS OF SURFACE RACEWAY TO AVOID THESE OBSTACLES).
         2. WHERE THE EXISTING DEVICE IS IN BETWEEN (UP STEAM AND DOWN STREAM) DEVICES: REMOVE THE WIRING BETWEEN THE REMOVED DEVICE AND THE DEVICES UP STREAM AND DOWN STREAM. REMOVE PORTIONS OF EXISTING CONDUIT THAT ARE EXPOSED. ANY CONDUIT NOT ACCESSIBLE SHALL BE CUT AND LEFT ABANDONED IN THE EXISTING WALLS. PROVIDE NEW CONDUIT AND WIRING (TO MATCH EXISTING) FROM THE UP STREAM DEVICE UP TO THE CEILING AND THEN BACK DOWN TO THE NEXT DOWN STREAM DEVICE AND RECONNECT THE WIRING. OR UTILIZE THE EXISTING HOMERUN JUNCTION BOX TO REFEED THE NEXT DOWN STREAM DEVICE AND RECONNECT THE WIRING. MAINTAIN CIRCUIT CONTINUITY BETWEEN UP STREAM AND DOWN STREAM DEVICES.
            A. WHERE EXISTING WALLS ARE NOT ACCESSIBLE TO RUN NEW HARD CONDUIT DOWN WITHIN THE EXISTING WALLS PROVIDE AND UTILIZE MC CABLE TO FISH DOWN WITHIN THE EXISTING WALLS. WHERE EXISTING WALLS AND EXISTING RECESSED WALL BOXES DO NOT ALLOW FOR HARD CONDUIT OR MC CABLE THEN PROVIDE SURFACE RACEWAY (TWO PIECE SINGLE-CHANNEL) TO BE ROUTED FROM THE CEILING DOWN TO THE NEXT DEVICE DOWN STREAM. PROVIDE A SURFACE MOUNTED BOX TO COVER THE EXISTING RECESSED WALL BOX, WHERE SIZE OF SURFACE BOX WILL ACCOMMODATE THE NEW DEVICE AND BE ABLE TO CONNECT TO THE EXISTING WIRING WITHIN THE EXISTING RECESSED WALL BOX. **COORDINATE WITH ARCHITECT FOR ANY LOCATIONS THAT SURFACE RACEWAY WILL BE USED.** ALSO COORDINATE ALL SURFACE RACEWAY AROUND ANY NEW OR EXISTING EQUIPMENT, DEVICES, MARKERBOARDS, SMARTBOARDS, CABINETS, ETC. ON THE EXISTING WALLS (NOTE THAT THIS COULD RESULT IN LONGER RUNS OF SURFACE RACEWAY TO AVOID THESE OBSTACLES).
         3. WHERE THE EXISTING DEVICE IS DOWNSTREAM (AT THE END) OF ALL UPSTREAM DEVICES: REMOVE THE WIRING BETWEEN THE REMOVED DEVICE AND THE UP STREAM DEVICE. REMOVE PORTIONS OF EXISTING CONDUIT THAT ARE EXPOSED. ANY CONDUIT NOT ACCESSIBLE SHALL BE CUT AND LEFT ABANDONED IN THE EXISTING WALLS.
      c. SURFACE MOUNTED DEVICES TO BE REMOVED OCCUR ON EXISTING WALLS TO REMAIN: REMOVE DEVICE; COVERPLATE; WIRES BACK TO UPSTREAM DEVICE, HOMERUN JUNCTION BOX, OR PANELBOARD; ASSOCIATED EXPOSED BOXES; CONDUIT AND SURFACE RACEWAY.
         1. WHERE THE EXISTING DEVICE IS THE FIRST DEVICE THAT THE HOMERUN CIRCUIT LANDS TO AND THEN FEEDS OTHER DOWN STREAM DEVICES: REFER TO 7.A.b.1.A & 7.A.b.1.B ABOVE FOR SIMILAR DIRECTION.
         2. WHERE THE EXISTING DEVICE IS IN BETWEEN (UP STEAM AND DOWN STREAM) DEVICES: REFER TO 7.A.b.2 ABOVE FOR SIMILAR DIRECTION.
         3. WHERE THE EXISTING DEVICE IS DOWNSTREAM (AT THE END) OF ALL UPSTREAM DEVICES: REFER TO 7.A.b.3 ABOVE FOR SIMILAR DIRECTION.
      d. FLOOR DEVICES TO BE REMOVED OCCURRING ON EXISTING FLOORS TO REMAIN: REMOVE DEVICE; FLOOR BOX; WIRES BACK TO UPSTREAM DEVICE, HOMERUN JUNCTION BOX, OR PANELBOARD; ASSOCIATED EXPOSED BOXES; CONDUIT AND SURFACE RACEWAY. FILL HOLE WITH GROUT AND FINISH TO MATCH EXISTING FLOOR SURFACE.
         1. WHERE THE EXISTING DEVICE IS THE FIRST DEVICE THAT THE HOMERUN CIRCUIT LANDS TO AND THEN FEEDS OTHER DOWN STREAM DEVICES: CUT CONDUIT ON BOTH SIDES OF THE FLOOR BOX. REMOVE THE FLOOR BOX. JOIN BOTH ENDS OF THE EXISTING CONDUIT WITH A NEW PIECE OF CONDUIT (TO MATCH EXISTING). REFER TO 7.A.b.1.A & 7.A.b.2.B ABOVE FOR SIMILAR DIRECTION ON WIRING.
         2. WHERE THE EXISTING DEVICE IS IN BETWEEN (UP STEAM AND DOWN STREAM) DEVICES: CUT CONDUIT ON BOTH SIDES OF THE FLOOR BOX. REMOVE THE FLOOR BOX. JOIN BOTH ENDS OF THE EXISTING CONDUIT WITH A NEW PIECE OF CONDUIT (TO MATCH EXISTING). REFER TO 7.A.b.2 ABOVE FOR SIMILAR DIRECTION ON THE WIRING.
         3. WHERE THE EXISTING DEVICE IS DOWNSTREAM (AT THE END) OF ALL UPSTREAM DEVICES: CUT CONDUIT AND CAP THE END OF THE CONDUIT BELOW THE SLAB. REFER TO 7.A.b.3 ABOVE FOR SIMILAR DIRECTION.
      e. WHERE UTILIZING AN EXISTING WALL BOX FOR A NEW DEVICE AND THE EXISTING WALL BOX DO NOT COMPLY WITH ADA MOUNTING HEIGHTS: EITHER MOVE THE EXISTING RECESSED WALL BOX DOWN TO THE CORRECT MOUNTING HEIGHT, OR PROVIDE A BLANK COVER PLATE ON THE EXISTING RECESSED WALL BOX AND THEN INSTALL A NEW RECESSED WALL BOX FOR THE NEW LIGHTING CONTROLS, OR PROVIDE A SURFACE MOUNTED BOX TO COVER THE EXISTING RECESSED WALL BOX WHERE SIZE OF SURFACE MOUNTED BOX WILL ACCOMMODATE THE LIGHTING CONTROLS AND BE ABLE TO CONNECT TO THE EXISTING LINE-VOLTAGE OR NEW LOW-VOLTAGE WIRING WITHIN THE EXISTING RECESSED WALL BOX.
         1. WHERE EXISTING WALLS ARE NOT ACCESSIBLE TO RUN NEW HARD CONDUIT DOWN WITHIN THE EXISTING WALLS PROVIDE AND UTILIZE MC CABLE TO FISH DOWN WITHIN THE EXISTING WALLS. WHERE EXISTING WALLS AND EXISTING RECESSED WALL BOXES DO NOT ALLOW FOR HARD CONDUIT OR MC CABLE THEN PROVIDE SURFACE RACEWAY (TWO PIECE SINGLE-CHANNEL) TO BE ROUTED FROM THE CEILING DOWN TO THE NEXT DEVICE DOWN STREAM. **COORDINATE WITH ARCHITECT FOR ANY LOCATIONS THAT SURFACE RACEWAY WILL BE USED.** ALSO COORDINATE ALL SURFACE RACEWAY AROUND ANY NEW OR EXISTING EQUIPMENT, DEVICES, MARKERBOARDS, SMARTBOARDS, UPPER CABINETS, ETC. ON THE EXISTING WALLS (NOTE THAT THIS COULD RESULT IN LONGER RUNS OF SURFACE RACEWAY TO AVOID THESE OBSTACLES).

5. RECEPTACLES: ALL EXISTING RECEPTACLES AND BRANCH CIRCUITS TO THE EXISTING RECEPTACLES SHALL BE DEMOLISHED AND REPLACED WITH NEW, UNLESS NOTED OTHERWISE TO KEEP. REFER TO DEVICES ABOVE FOR ADDITIONAL DEMOLITION NOTES.

6. CONDUIT: WHERE EXISTING CONDUIT IS EXPOSED DUE TO DEMOLITION OF WALLS, CONDUIT SHALL BE REMOVED, UNLESS INDICATED TO REMAIN OR NECESSARY TO MAINTAIN SERVICE TO EXISTING ITEMS TO REMAIN. WHERE CONDUIT RISES FROM FLOOR TO FEED REMOVED ITEMS, CUT CONDUIT FLUSH WITH FLOOR AND FILL IT WITH GROUT. FINISH TO MATCH FLOOR SURFACE. ALL ACCESSIBLE UNUSED CONDUIT SHALL BE REMOVED; ALL INACCESSIBLE UNUSED CONDUIT SHALL BE ABANDONED. ALL CONDUIT TO NEW DEVICES AND EQUIPMENT SHALL BE NEW, UNLESS NOTED OTHERWISE.

7. WIRING: ALL WIRING TO DEMOLISHED DEVICES AND EQUIPMENT SHALL BE REMOVED, UNLESS NOTED OTHERWISE. ALL EXISTING WIRING TO EXISTING-TO-REMAIN DEVICES AND EQUIPMENT SHALL REMAIN, UNLESS NOTED OTHERWISE. ALL ACCESSIBLE UNUSED WIRING SHALL BE REMOVED; ALL INACCESSIBLE UNUSED WIRING SHALL BE CUT AND ABANDONED. ALL WIRING TO NEW DEVICES AND EQUIPMENT SHALL BE NEW, UNLESS NOTED OTHERWISE.

8. MAINTAIN CIRCUIT CONTINUITY AS NECESSARY IN ALL DEMOLITION WORK.

9. THE CONTRACTOR SHALL INFORM THE OWNER'S REPRESENTATIVE OF ELECTRICAL EQUIPMENT REMOVED FROM THE BUILDING. IF THE OWNER DESIRES TO RETAIN EQUIPMENT, THEY WILL REMOVE IT FROM THE SITE. ALL EQUIPMENT NOT RETAINED BY THE OWNER SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. DISPOSAL OF ALL EQUIPMENT CONTAINING HAZARDOUS MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND THE COST OF DISPOSAL SHALL BE INCLUDED.

10. INFORMATION ON DEMOLITION DRAWINGS DOES NOT INDICATE ALL EXISTING EQUIPMENT AND DEVICES. REFER TO ARCHITECTURAL AND MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.

11. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING BID AND SHALL VERIFY ALL DEMOLITION REQUIRED. ADDITIONAL COMPENSATION WILL NOT BE ALLOWED FOR DEMOLITION DUE TO CONTRACTOR NOT VISITING SITE AND DETERMINING FULL SCOPE OF DEMOLITION REQUIRED.

12. SEE THE DEMOLITION FLOOR PLANS FOR ADDITIONAL DEMOLITION REQUIREMENTS. ON THE DEMOLITION FLOOR PLANS AND RISERS, ALL DASHED ITEMS SHALL BE REMOVED AND ALL SOLID ITEMS SHALL REMAIN, UNLESS NOTED OTHERWISE. SOME DEMOLITION ITEMS ARE AFFECTED BY ADD ALTERNATES, AS INDICATED IN THE FLOOR PLANS. NEW WORK FLOOR PLANS MAY CONTAIN ADDITIONAL DEMOLITION INFORMATION IN SOME LOCATIONS.

1/32" = 1'-0" 0' 16' 32' 48' | 1/16" = 1'-0" 0' 4' 8' 16' 24' | 3/32 = 1'-0" 0' 4' 8' 16' | 1/8" = 1'-0" 0' 4' 8' 12' | 1/4" = 1'-0" 0' 2' 4' 6' | 3/8" = 1'-0" 0' 1' 2' 3' 4' | 1/2" = 1'-0" 0' 6" 1' 2' 3' | 3/4" = 1'-0" 0' 6" 1' 2' | 1" = 1'-0" 0' 3" 6" 9" 1' 1.5' | 1 1/2" = 1'-0" 0' 3" 6" 9" 1' | 3" = 1'-0" 0' 1" 2" 3" 4" 5" 6" | 6" = 1'-0" 0' 1" 2" 3" | 12" = 1'-0" 0' 1" 1.5"

2/27/2025 11:40:27 AM Autodesk Docs://21195-10 HCPS Drewry Mason ES/24101-64 - HCPS Drewry Mason ES - ELEC - R24.rvt

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DATE FEB 28, 2025
PROJECT 21195-10
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DRAWN MAR
CHECKED WAM

RRMM® ARCHITECTS, PC
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COMMONWEALTH OF VIRGINIA
02/28/25
WINSTON A. MATTHEWS
Lic. No. 044469
PROFESSIONAL ENGINEER

PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148
VIRGINIA DEPARTMENT OF EDUCATION: ??

DRAWING
ELECTRICAL LEGEND, ABBREVIATIONS AND NOTES

SHEET
E-001

MODIFIED PANEL LDP

VOLTAGE: 208Y/120V
SYSTEM: 3PH, 4W
SOLID NEUTRAL: YES

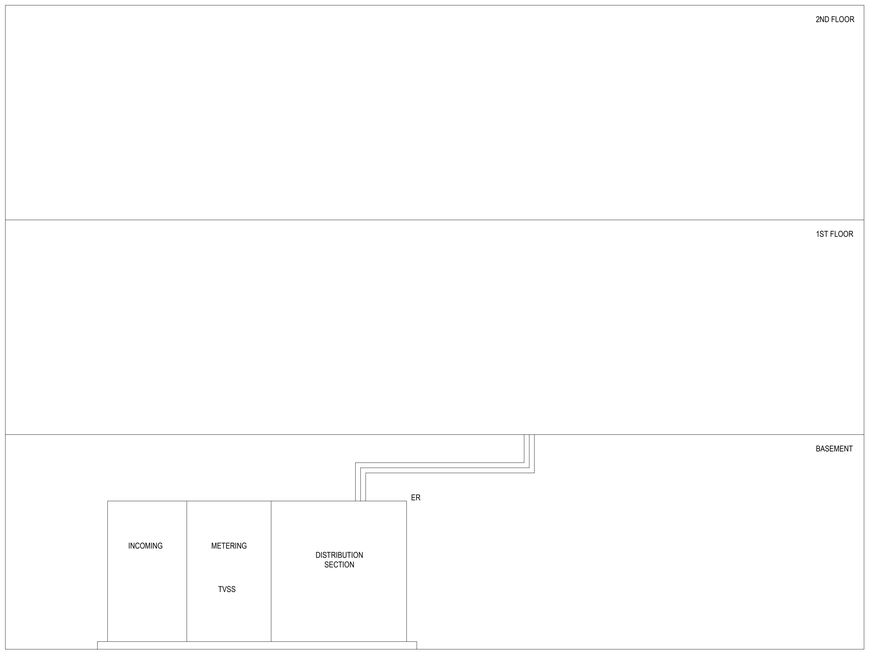
MAIN: 1200A MCB
BUS RATING: 1200A
GROUND BUS: YES

INTEGRAL SPD: YES
MOUNTING: SURFACE
INTERRUPT RATING: 10,000 AIC

CKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3	CKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3
1	PANEL BR3	400/3	-	-	-	-	SF	-			2	SPACE	-	-	-	-	-	-	-		
3	PANEL BR3	-	-	-	-	-	SF		-		4	SPACE	-	-	-	-	-	-		-	
5	PANEL BR3	-	-	-	-	-	SF			-	6	SPACE	-	-	-	-	-	-			-
7	PANEL BR3	-	-	-	-	-	SF	-			8	PANELS LFA & LFB	225/3	-	-	-	-	SF	-		
9	PANEL LK	400/3	-	-	-	-	SF		-		10	PANELS LFA & LFB	-	-	-	-	-	SF		-	
11	PANEL LK	-	-	-	-	-	SF			-	12	PANELS LFA & LFB	-	-	-	-	-	SF			-
13	PANEL LK	-	-	-	-	-	SF	-			14	PANEL LD	200/3	-	-	-	-	SF	-		
15	PANEL LK	-	-	-	-	-	SF		-		16	PANEL LD	-	-	-	-	-	SF		-	
17	PANELS LA, LB, & LC	225/3	-	-	-	-	SF			-	18	PANEL LD	-	-	-	-	-	SF			-
19	PANELS LA, LB, & LC	-	-	-	-	-	SF	-			20	PANELS LHA & LHB	225/3	-	-	-	-	SF	-		
21	PANELS LA, LB, & LC	-	-	-	-	-	SF		-		22	PANELS LHA & LHB	-	-	-	-	-	SF		-	
23	SPD DISCONNECT	60/3	-	-	-	-	C			-	24	PANELS LHA & LHB	-	-	-	-	-	SF			-
25	SPD DISCONNECT	-	-	-	-	-	C	-			26	SPACE	-	-	-	-	-	-	-		
27	SPD DISCONNECT	-	-	-	-	-	C		-		28	SPACE	-	-	-	-	-	-		-	
29	SPD	-	-	-	-	-	-			-	30	SPACE	-	-	-	-	-	-			-
31	SPD	-	-	-	-	-	-	-			32	PANELS BR1 & BR2	225/3	-	-	-	-	SF	-		
33	SPD	-	-	-	-	-	-		-		34	PANELS BR1 & BR2	-	-	-	-	-	SF		-	
35	SPD	-	-	-	-	-	-			-	36	PANELS BR1 & BR2	-	-	-	-	-	SF			-
37	SPD	-	-	-	-	-	-	-			38	PANELS LMA & LMB	225/3	-	-	-	-	SF	-		
39	SPD	-	-	-	-	-	-		-		40	PANELS LMA & LMB	-	-	-	-	-	SF		-	
41	MAIN	1200/3	-	-	-	(3) -	C			-	42	PANELS LMA & LMB	-	-	-	-	-	SF			-
43	MAIN	-	-	-	-	-	C	-			44	TEACHERS LOUNGE REC	20/1	-	-	-	-	R	-		
45	MAIN	-	-	-	-	-	C		-		46	TEACHERS LOUNGE REC	20/1	-	-	-	-	R		-	
47	MAIN	-	-	-	-	-	-			-	48	TEACHERS LOUNGE REC	20/1	-	-	-	-	R			-
49	MAIN	-	-	-	-	-	-	-			50	TEACHERS LOUNGE REC	20/1	-	-	-	-	R	-		
51	MAIN	-	-	-	-	-	-		-		52	SPACE	-	-	-	-	-	-		-	
53	PANEL LK2	400/3	-	-	-	-	SF			-	54	SPACE	-	-	-	-	-	-			-
55	PANEL LK2	-	-	-	-	-	SF	-			56	SPACE	-	-	-	-	-	-	-		
57	PANEL LK2	-	-	-	-	-	SF		-		58	SPACE	-	-	-	-	-	-		-	
59	PANEL LK2	-	-	-	-	-	SF			-	60	SPACE	-	-	-	-	-	-			-
61	PANEL LJ	225/3	-	-	-	-	SF	-			62	SPACE	-	-	-	-	-	-	-		
63	PANEL LJ	-	-	-	-	-	SF		-		64	SPACE	-	-	-	-	-	-		-	
65	PANEL LJ	-	-	-	-	-	SF			-	66	SPACE	-	-	-	-	-	-			-
67	PANEL LG	225/3	-	-	-	-	SF	-			68	SPACE	-	-	-	-	-	-	-		
69	PANEL LG	-	-	-	-	-	SF		-		70	SPACE	-	-	-	-	-	-		-	
71	PANEL LG	-	-	-	-	-	SF			-	72	SPACE	-	-	-	-	-	-			-
												PHASE LOAD TOTALS		0	0	0					

LOADS (KVA)	CONNECTED	DEMAND FACTOR	DEMAND
LIGHTING	0	1.25	0
REC TO 10 KVA	0	1.0	0
REC REMAINING	0	0.5	0
SPACE HEATING	0	0.0	0
AIR CONDITIONING	0	1.0	0
NON-SEASONAL MOTORS	0	1.0	0
LARGEST MOTOR	0	0.25	0
WATER HEATING	0	1.0	0

LOADS (KVA)	CONNECTED	DEMAND FACTOR	DEMAND	
KITCHEN EQUIPMENT	0	1.0	0	
CONTINUOUS	0	1.25	0	
NON-CONTINUOUS	0	1.0	0	
DEMAND	0	1.0	0	
TOTAL CONNECTED LOAD	0	KVA	0	AMPS
MIN. FEEDER / PANEL CAPACITY	0	KVA	0	AMPS
OVERALL DEMAND FACTOR	1			



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DRAWN	MAR
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COMMONWEALTH OF VIRGINIA
02/28/25
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PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148
VIRGINIA DEPARTMENT OF EDUCATION: ??

DRAWING
ELECTRICAL PANEL SCHEDULES

SHEET
E-002

Autodesk Docs://21195-10 HCPS Drewry Mason ES/24101.64 - HCPS Drewry Mason ES - ELEC - R24.rvt
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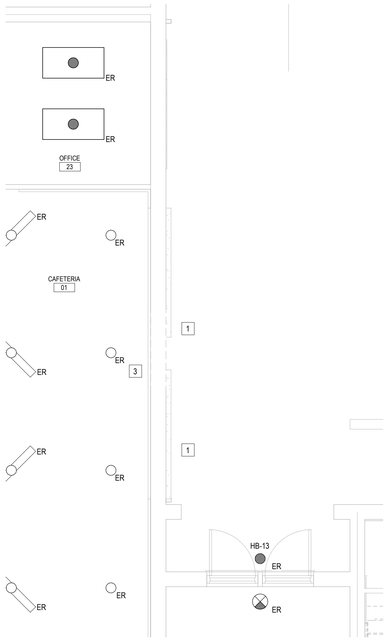
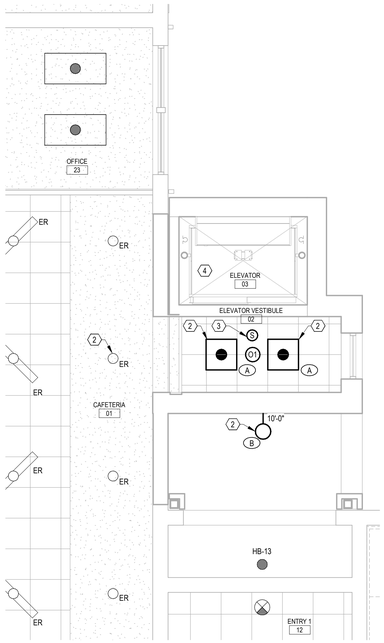


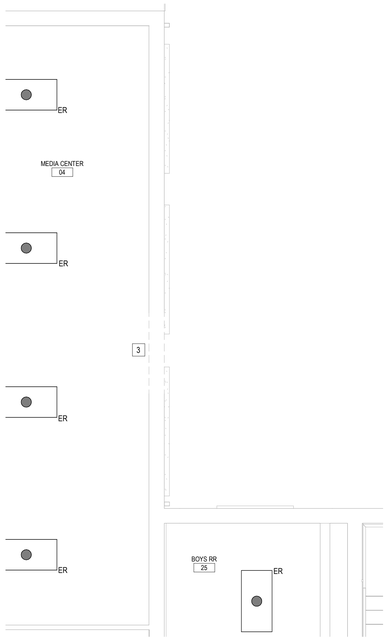
FIRST FLOOR PLAN - DEMO - LIGHTING

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



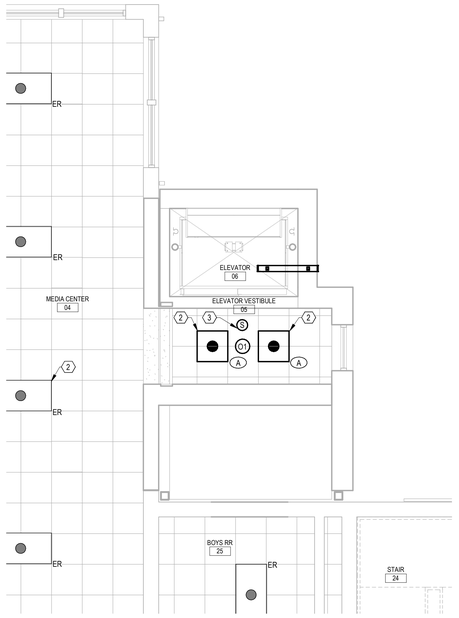
FIRST FL. PLAN - NEW WORK - LIGHTING & FIRE ALARM

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



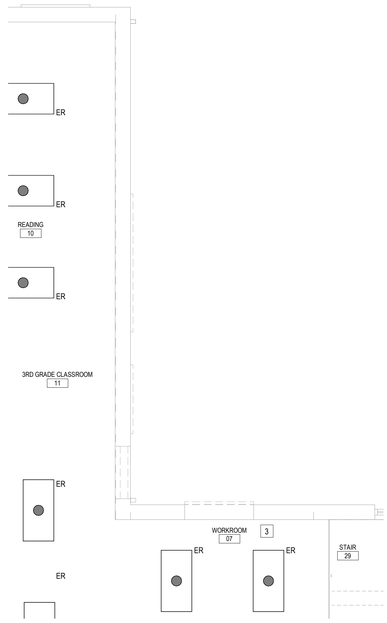
SECOND FLOOR PLAN - DEMO - LIGHTING

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



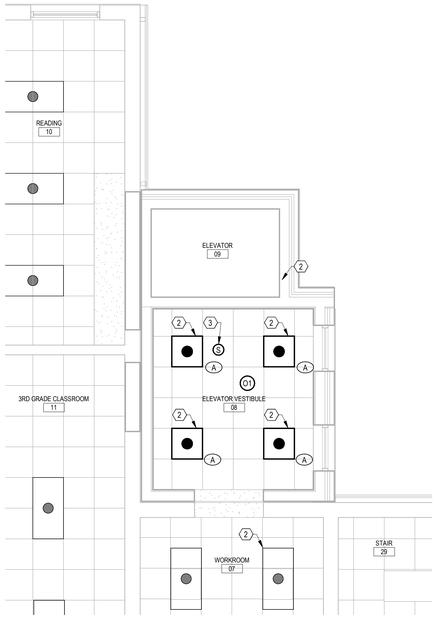
SECOND FL. PLAN - NEW WORK - LIGHTING & FIRE ALARM

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



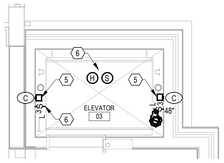
THIRD FLOOR PLAN - DEMO - LIGHTING

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



THIRD FL. PLAN - NEW WORK - LIGHTING & FIRE ALARM

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



ELEVATOR PIT PLAN - LIGHTING & FIRE ALARM

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

GENERAL NOTES:

A. CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE ENTIRE CONTRACT DOCUMENTS TO HAVE A COMPLETE UNDERSTANDING OF THE PROJECT SCOPE OF WORK AND SHALL COORDINATE WITH ALL DISCIPLINES AND THE OWNER'S REPRESENTATIVE PRIOR TO STARTING ANY WORK.

B. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PRIOR TO BIDDING WITH THE UTILITY COMPANY FOR ALL MATERIALS, LABOR, AND REQUIREMENTS THAT ARE NOT PROVIDED BY THE UTILITY COMPANY AND WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSBILE FOR PROVIDING UNDER THEIR SCOPE OF WORK.

C. THAT ARE THE CONTRACTOR SHALL COORDINATE ALL REQUIRED SHUTDOWNS WITH PROJECT MANAGER/GC AND OWNER'S REPRESENTATIVE.

D. CONTRACTOR SHALL PROVIDE SIMPUL IMPREGNATED COLORED CODED INSULATION FOR ALL CONDUCTORS AND ALL CONDUCTOR SIZES OR EQUAL. NO COLOR TAPE WILL BE ACCEPTABLE FOR PHASE IDENTIFICATION.

E. CONTRACTOR SHALL PROVIDE A GFIC RECEPTACLE AS SHOWN, NO DOWN STREAM PROTECTION WILL BE ACCEPTABLE, THIS IS TYPICAL FOR THE ENTIRE SCOPE OF WORK. NO DUPLEXS, JUST GFIC TYPE.

DEMOLITION - PLAN NOTES:

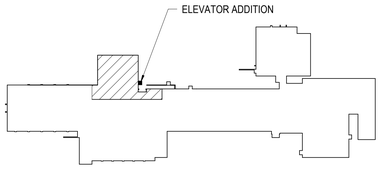
1. THE EXISTING ELECTRICAL INFRASTRUCTURE (PANELS) IN EXISTING ELECTRICAL ROOMS /MECHANICAL ROOMS SHALL REMAIN AS INSTALLED AND WILL SUPPORT THE PROJECT SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A NEW (TYPED) PANEL SCHEDULE REFLECTING THE SCOPE OF WORK, NO HAND WRITTEN ENTRIES WILL BE ACCEPTED. CONTRACTOR IS NOT RESPONSIBLE FOR CONFIRMING THE EXISTING CONNECTED LOADS, BUT IS RESPONSIBLE FOR TRANSFERRING THE NOTED EXISTING DESCRIPTION FROM THE EXISTING PANEL SCHEDULE TO THE NEW PANEL SCHEDULE.
2. THE FIRST LEVEL ON THE EXTERIOR WALLS AT THE LOCATION OF THE PROPOSED NEW ELEVATOR, THERE ARE NO DEMOLITION WORK REQUIRED, SHOWN ONLY AS AN REFERENCE ONLY.
3. THE SECOND LEVEL EXISTING INTERIOR LIGHTING DOES NOT AFFECT THE INSTALLATION OF THE NEW ELEVATOR SHAFT OR EXISTING AREAS AROUND, THERE IS NO DEMOLITION WORK REQUIRED. SHOWN AS AN REFERENCE ONLY.
4. NEED AS INDICATED EXISTING CEILING, ASSOCIATED LIGHTING FIXTURES AND CONTROLS IN THIS SPACE SHALL REMAIN AS INSTALLED. NO WORK REQUIRED UNDER DEMOLITION, UNLESS THE CONTRACTOR NEEDS TO REWORK THE EXISTING BRANCH CIRCUIT AFFECTED BY OTHER LOADS BEING REMOVED.

PLAN NOTES:

1. THE EXISTING ELECTRICAL INFRASTRUCTURE (PANELS) IN EXISTING ELECTRICAL ROOMS /MECHANICAL ROOMS SHALL REMAIN AS INSTALLED AND WILL SUPPORT THE PROJECT SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A NEW (TYPED) PANEL SCHEDULE REFLECTING THE SCOPE OF WORK, NO HAND WRITTEN ENTRIES WILL BE ACCEPTED. CONTRACTOR IS NOT RESPONSIBLE FOR CONFIRMING THE EXISTING CONNECTED LOADS, BUT IS RESPONSIBLE FOR TRANSFERRING THE NOTED EXISTING DESCRIPTION FROM THE EXISTING PANEL SCHEDULE TO THE NEW PANEL SCHEDULE.
2. THE CONTRACTOR SHALL INTERCEPT THE EXISTING LIGHTING CIRCUIT NEAR THE NEW ELEVATOR TO SUPPORT THE ELEVATOR'S LOBBY AREA, LIGHTING CONTROLS AND ALSO THE EXTERIOR WALL MOUNTED TYPE B. ALL WALL PENETRATIONS SHALL BE WATER/WEATHER PROOF.
3. THE CONTRACTOR SHALL PROVIDE A CEILING MOUNTED SMOKE DETECTOR IN THE ELEVATOR'S LOBBY CEILING GRID. THE CONTRACTOR SHALL MATCH THE EXISTING DEVICES OR PROVIDE AN DEVICE THAT IS COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. CONTRACTOR SHALL TIE-INTO THE NEAREST FIRE ALARM LOOP. THE CONTRACTOR SHALL CONFIRM THAT THE EXISTING BATTERY SYSTEM CAN SUPPORT THE NEWLY ADDED DEVICES UNDER THIS SCOPE OF WORK, AND UPGRADE IF NEEDED. THE CONTRACTOR IS RESPONSIBLE FOR THE ENTIRE LOOP THAT THE NEW DEVICE IS BEING TIED INTO.
4. THE CONTRACTOR SHALL PROVIDE A DEDICATED FIRE ALARM LOOP TO THE ELEVATOR CONTROL PANEL. THE CONTRACTOR COORDINATE WITH ELEVATOR INSTALLER PRIOR TO PULLING IN FOR FINAL DIRECTION FOR THE TERMINATION POINT. THE EXISTING FIRE ALARM CONTROL PANEL IS LOCATED NEAR THE RECEPTIONIST, WHICH IS APPROXIMATELY 100'-0". THE SHALL COORDINATE WITH FIRE MARSHAL/DISPATCHER FOR TESTING OF ALL NEW DEVICES.
5. THE CONTRACTOR SHALL COORDINATE THE MOUNTING OF THE LIGHTING FIXTURE TYPE C WITH EQUIPMENT IN THE PIT AND ELEVATOR INSTALLER. THE CONTRACTOR SHALL PROVIDE (3) LITE LIGHTING SWITCHES, ONE AT THE TOP OF THE LADDER, ONE 48" AFF BY LADDER AND ONE OVER BY THE SUMP PUMP. THE CONTRACTOR SHALL USE NEMA 3R JUNCTION BOXES, FS BOXES, ETC TO MOUNT REQUIRED DEVICES. THIS WILL ALSO BE NOTED ON THE POWER PLAN, THE CONTRACTOR SHALL PROVIDE (4) 20A SINGLE POLE - SQUARE D BREAKERS IN EXISTING DISTRIBUTION PANEL (LDP) IN AVAILABLE BLANK SPACES AND PROVIDE REQUIRED MOUNTING HARDWARE. (2) CIRCUITS WILL SUPPORT PIT LIGHTING, ONE GFIC RECEPTACLE, SUMP PUMP AND CAB LIGHTING, TKE WILL PROVIDE THE SHUNT TRIP DISCONNECT SWITCH FOR CAB LIGHTING. ANOTHER (1) CIRCUIT WILL SUPPORT TKE PRIMARY EQUIPMENT BOX, IN TOP OF SHAFT. THE REMAINING (1) 20A CIRCUIT SHALL SUPPORT EACH TAMP PROOF RECEPTACLE IN EACH ELEVATOR LOBBY AREA. THE CONTRACTOR SHALL PROVIDE A HEAVY DUTY SQUARE D FUSED DISCONNECT SWITCH RATED FOR 30A 3 POLE, 240V, NEMA 3R, COORDINATE MOUNTING LOCATION WITH TKE PRIOR TO ROUGH-IN. THE CONTRACTOR SHALL PROVIDE BUSSMANN RK1 LOW PEAK, DUAL ELEMENT - TIME DELAY YELLOW FUSES, NOT RK5. .
6. THE CONTRACTOR SHALL PROVIDE A SMOKE DETECTOR AND HEAT DETECTOR IN THE PIT AND TIE-INTO THE EXISTING FIRE ALARM SYSTEM AND COORDINATE WITH TKE ELEVATOR INSTALLER.

LIGHTING FIXTURE SCHEDULE

FXTR TYPE	MOUNTING	LAMP (NO.) TYPE	MANUFACTURER & CATALOG NUMBER (BASIS OF DESIGN)	OTHER ACCEPTABLE MANUFACTURERS	REMARKS
A	GRID	LED	LITHOINA - CPANL-4400-40K-80-MVOLT-41-ELAPSDMT	DAY-BRITE, LITHONIA	ELEVATOR
B	ROUGH SURFACE BRICK	LED	LITHONIA WDGE3LED-18W-P2-E4WH-PE-DDBXD-MVOLT	DAY-BRITE, LITHONIA	EXTERIOR 10'AFF
C	CONCRETE WALL	LED	VISIION VPF8-4FT-NODIM-100W-40K-MVOLT-CLP-BLK-E10W	DAY-BRITE, LITHONIA	HORIZONAL



KEY PLAN
NOT TO SCALE

TRUE NORTH PLAN NORTH

MARK	DATE	BY	DESCRIPTION

REVISIONS

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DATE	FEB 28, 2025
PROJECT	21195-10
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DRAWN	MAR
CHECKED	WAM

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PROFESSIONAL ENGINEER

PROJECT
HENRY COUNTY PUBLIC SCHOOLS
DREWRY MASON E.S. ELEVATOR ADDITION
45 DREWRY MASON SCHOOL ROAD
RIDGEWAY, VA 24148
VIRGINIA DEPARTMENT OF EDUCATION: 77

DRAWING
FIRST & SECOND FLOOR DEMOLITION PLAN & NEW WORK PLAN - LIGHTING AND FIRE ALARM

SHEET
E-101

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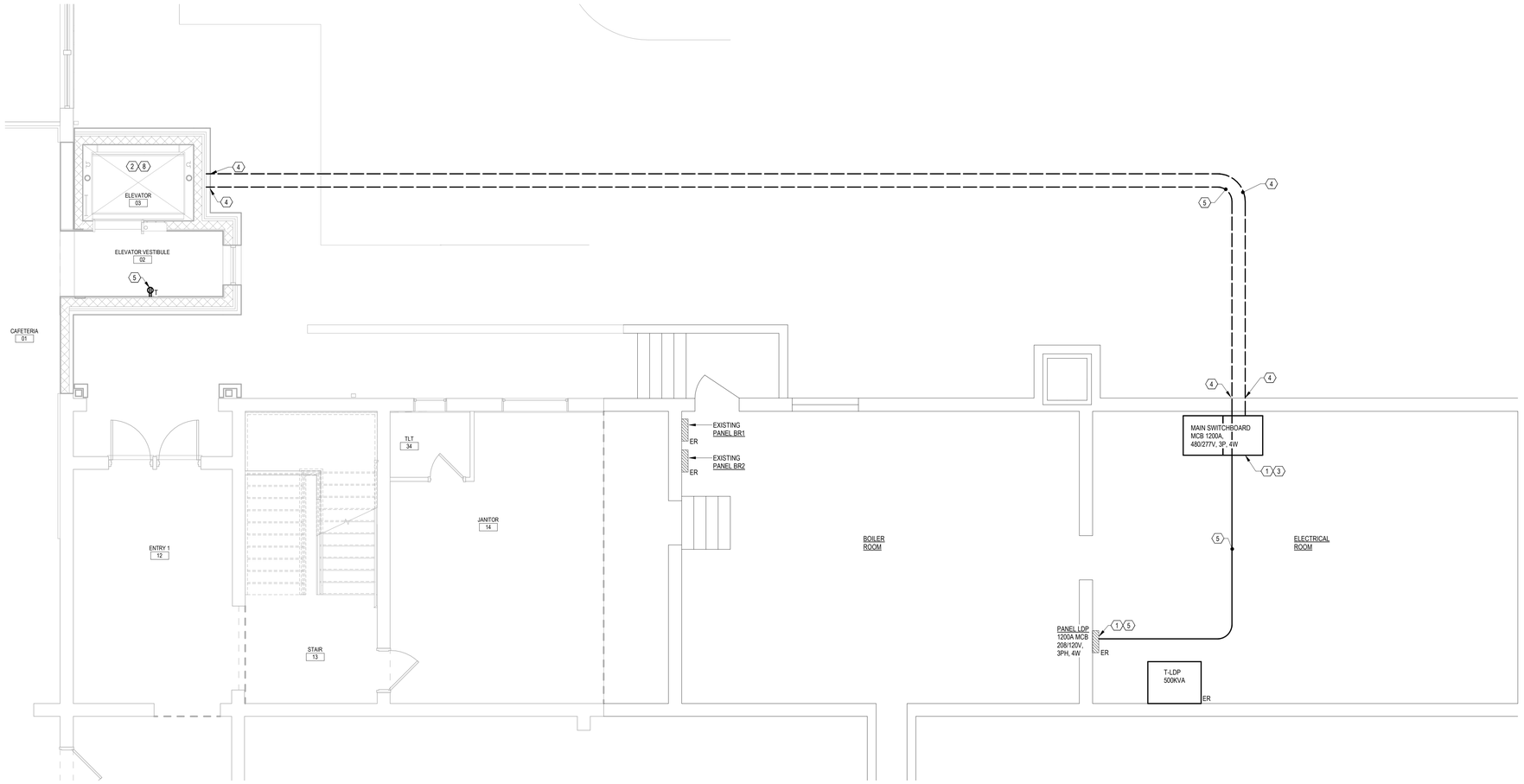
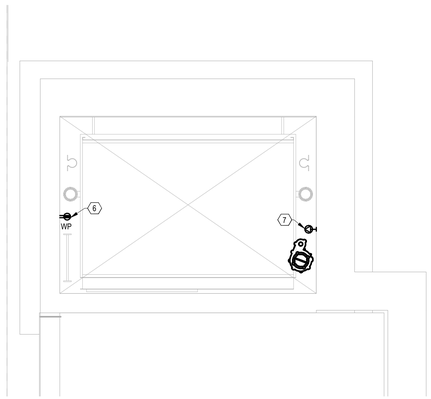


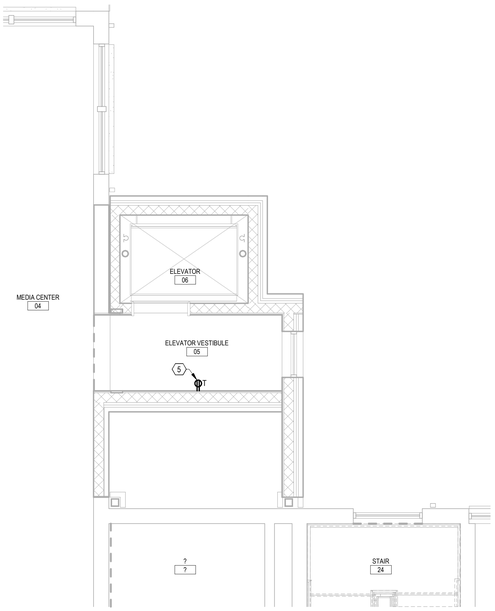
FIRST FLOOR PLAN - POWER

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



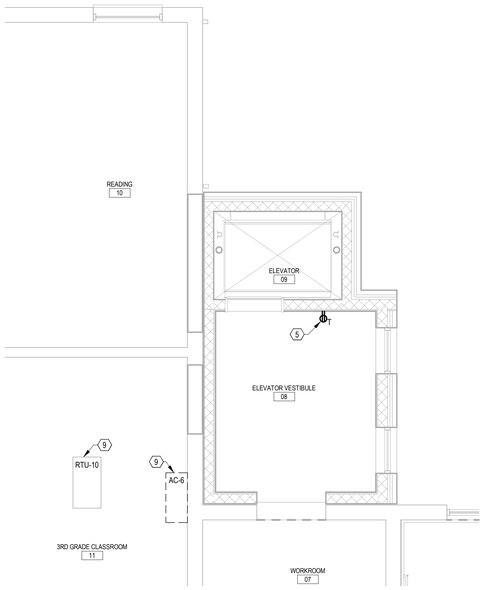
ELEVATOR PIT PLAN - POWER

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



SECOND FLOOR PLAN - POWER

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



THIRD FLOOR PLAN - POWER

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

GENERAL NOTES:

A. CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE ENTIRE CONTRACT DOCUMENTS TO HAVE A COMPLETE UNDERSTANDING OF THE PROJECT SCOPE OF WORK AND SHALL COORDINATE WITH ALL DISCIPLINES AND THE OWNER'S REPRESENTATIVE PRIOR TO STARTING ANY WORK.

B. ELECTRICAL DEMOLITION IS DEFINED IN THE FOLLOWING NOTES AND IN LIMITED TO FIELD OBSERVATION AND ACCESSIBILITY TO THE EXISTING CONDITIONS. THE DRAWINGS ARE ONLY INTENDED TO BE A PARTIAL REPRESENTATION OF THE ACTUAL DEMOLITION WORK. REQUIRED. THESE NOTES ONLY APPLY TO THE AREAS OF RENOVATION. IN GENERAL, THE DEMOLITION SCOPE IS THE REMOVAL OF EXISTING LIGHTING AND ASSOCIATED CONTROLS IN THE AREAS OF RENOVATION, EXCEPT AS NOTED OTHERWISE IN THESE NOTES AND ON THE CONTRACT DOCUMENTS.

C. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED SHUTDOWNS WITH PROJECT MANAGER/GC AND OWNER'S REPRESENTATIVE.

D. ALL NEW WIRING FOR ALL SIZES WILL BE SIMPUL OR EQUAL TO IMPREGNATED COLOR CODED INSULATION, FOR EACH VOLTAGE AND PHASES - NO COLOR TAPE WILL BE ACCEPTED - THIS IS TYPICAL FOR THE ENTIRE SCOPE OF WORK, THIS INCLUDES THE MAIN INCOMING ELECTRICAL SERVICE. AGAIN COLOR TAPE WILL NOT BE ACCEPTABLE.

F. CONTRACTOR SHALL PROVIDE A GFIC RECEPTACLE AS SHOWN, NO DOWN STREAM PROTECTION WILL BE ACCEPTABLE, THIS IS TYPICAL FOR THE ENTIRE SCOPE OF WORK. NO DUPLEXS, JUST GFIC TYPE.

G. THE EXISTING FIRE ALARM SYSTEM MUST STAY ACTIVATED DURING THE DEMOLITION PHASE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FALSE ALARMS DUE TO THEIR MISTAKES CAUSING FIRE ALARMS AND SECURITY ALARMS TO BE ACTIVATED. THE NEW SYSTEM MUST BE INSTALLED AND SIGNED OFF BY THE FIRE MARSHAL PRIOR TO REMOVING THE EXISTING SYSTEM.

PLAN NOTES:

1. THE EXISTING ELECTRICAL INFRASTRUCTURE (PANELS) IN EXISTING ELECTRICAL ROOMS /MECHANICAL ROOMS SHALL REMAIN AS INSTALLED AND WILL SUPPORT THE PROJECT SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A NEW (TYPED) PANEL SCHEDULE REFLECTING THE SCOPE OF WORK, NO HAND WRITTEN ENTRIES WILL BE ACCEPTED. CONTRACTOR IS NOT RESPONSIBLE FOR CONFIRMING THE EXISTING CONNECTED LOADS, BUT IS RESPONSIBLE FOR TRANSFERRING THE NOTED EXISTING DESCRIPTION FROM THE EXISTING PANEL SCHEDULE TO THE NEW PANEL SCHEDULE.

2. NOTE TO THE CONTRACTOR TKE ELEVATOR SHALL PROVIDE ALL CODE REQUIRED SHUNT TRIP DEVICES AND MEANS OF DISCONNECTION, THIS WAS CONFIRM WITH TKE SALE REPRESENTATIVE PRIOR TO DESIGN DOCUMENTS. THE CONTRACTOR SHALL COORDINATE WITH TKE FOR THE NOTED.

3. THE CONTRACTOR SHALL PROVIDE A SQUARE D LSI 125A, 3 POLE BREAKER AND ASSOCIATED MOUNTING HARDWARE IN A BLANK AVAILABLE SPACE IN THE EXISTING MAIN SWITCHBOARD TO SUPPORT THE 25HP ELEVATOR MOTOR VIA THE ELEVATOR CONTROLLER RATED FOR 480V, 3 PHASE.

4. THE CONTRACTOR SHALL PROVIDE (3)#1/0 (CU) W/#1/0 GROUND IN 2" CONDUIT (PVC AND RIGID) FROM THE ASSIGNED 125A 3 POLE BREAKER TO THE TKE'S ELEVATOR CONTROLLER. THE MANUFACTURE REQUESTED A FULL SIZE GROUND WIRE. REFER TO GENERAL NOTE (D) FOR ACCEPTABLE WIRE INSULATION. THE CONTRACTOR SHALL USE LONG RADIUS ELBOWS THE CONTRACTOR SHALL PENETRATE THE EXTERIOR CONCRETE WALL AND ROUTE IN A DUCT BANK TO THE ELEVATOR'S CONTROLLER UNIT. DUCT BANK SHALL BE A MINIMUM DEPTH OF 24" , PROVIDE A WOODING PLANK THE ENTIRE LENGTH OF THE FEEDER/CONDUIT. THE CONTRACTOR SHALL PROVIDE MARKING TAPE 6" ABOVE THE WOODING PLANKS. THE CONTRACTOR SHALL MAKE ALL WALL PENETRATIONS WATERWEATHER TIGHT ON BOTH SIDES. THE CONTRACTOR BACK FILL WITH CLEAN DIRT, TAMP AND SEED. NOTE #5 REQUIREMENTS SHALL SHARE THE EXTERIOR DUCT BANK

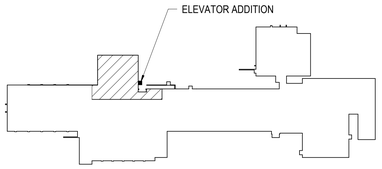
5. THE CONTRACTOR SHALL PROVIDE (4) 20A SINGLE POLE - SQUARE D BREAKERS IN EXISTING DISTRIBUTION PANEL (LDP) IN AVAILABLE BLANK SPACES AND PROVIDE ALL REQUIRED MOUNTING HARDWARE. (2) CIRCUITS WILL SUPPORT PIT LIGHTING, ONE GFIC RECEPTACLE, SUMP PUMP AND CAB LIGHTING, TKE WILL PROVIDE THE SHUNT TRIP DISCONNECT SWITCH FOR CAB LIGHTING. THE OTHER (1) CIRCUIT WILL SUPPORT TKE PRIMARY EQUIPMENT BOX, IN TOP OF SHAFT. THE REMAINING (1) 20A CIRCUIT SHALL SUPPORT EACH TAMP PROOF RECEPTACLE IN EACH ELEVATOR LOBBY AREA. THE CONTRACTOR SHALL PROVIDE A HEAVY DUTY SQUARE D FUSED DISCONNECT SWITCH RATED FOR 30A 3 POLE, 240V, NEMA 3R. COORDINATE MOUNTING LOCATION WITH TKE PRIOR TO ROUGH-IN. THE CONTRACTOR SHALL PROVIDE BUSSMANN RK1 LOW PEAK, DUAL ELEMENT - TIME DELAY YELLOW FUSES, NOT RK5. USE PVC AND RIGID CONDUITS.

6. THE CONTRACTOR SHALL PROVIDE A 20A TWIST LOCK PLUG AND A TWIST LOCK RECEPACTLE IN A NEMA 4X BOX TO SUPPORT THE SUMP PUMP. THE CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR FOR THE PROVIDED SO CORD AND FOR THE LOCATION OF THE SUMP PUMP'S ALARM PANEL, THE CONTRACTOR SHALL PROVIDE REQUIRED POWER FROM ONE OF THE FOUR PULLED IN CIRCUITS TO SUPPORT THE CONTROLLER.

7. THE CONTRACTOR SHALL PROVIDE A GFIC RECEPTACLES IN A WATER TIGHT AND WEATHER PROOF ENCLOSURE THE CONTRACTOR SHALL MOUNT AT 48" AFF. POWER AS NOTED ABOVE.

8. THE CONTRACTOR SHALL ONE PHONE LINE TO THE TKE ELEVATOR CONTROLLER. THE CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE FOR LOCATION TO PICK UP THE PHONE LINE, APPROXIMATELY 100'-0" TO MAIN ENTRY AREA.

9. THE CONTRACTOR SHALL DISCONNECT AND REMOVE POWER SOURCE FROM EXISTING TO BE REMOVED AC-6 UNIT ON THE ROOF. THE CONTRACTOR SHALL RETAIN POWER SOURCE AND INTERCEPT AND EXTEND THE POWER SOURCE TO THE NEW RTU-10 ON THE ROOF. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 3'-0" OF SEAL-TIGHT FLEXIBLE CONDUIT FROM THE UNIT'S POWER CONNECTION POINT. THE CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR THE PROVIDED MEANS OF DISCONNECTION. THE CONTRACTOR SHALL CONFIRM THAT THE POWER COURCE BREAKER IS A MINIMUM OF 20A, 3 POLE AND WIRE IS #12. IF NOT, THE CONTRACTOR SHALL REMOVE AND REPLACE WITH A 20A 3 POLE BREAKER.



TRUE NORTH PLAN NORTH

KEY PLAN

NOT TO SCALE

MARK	DATE	BY	DESCRIPTION

REVISIONS

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DATE	FEB 28, 2025
PROJECT	21195-10
DESIGNED	MAR
DRAWN	MAR
CHECKED	WAM

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VIRGINIA DEPARTMENT OF EDUCATION: 77

DRAWING
FIRST FLOOR NEW WORK PLAN - POWER & ELEVATOR PIT PLAN

SHEET
E-102

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