

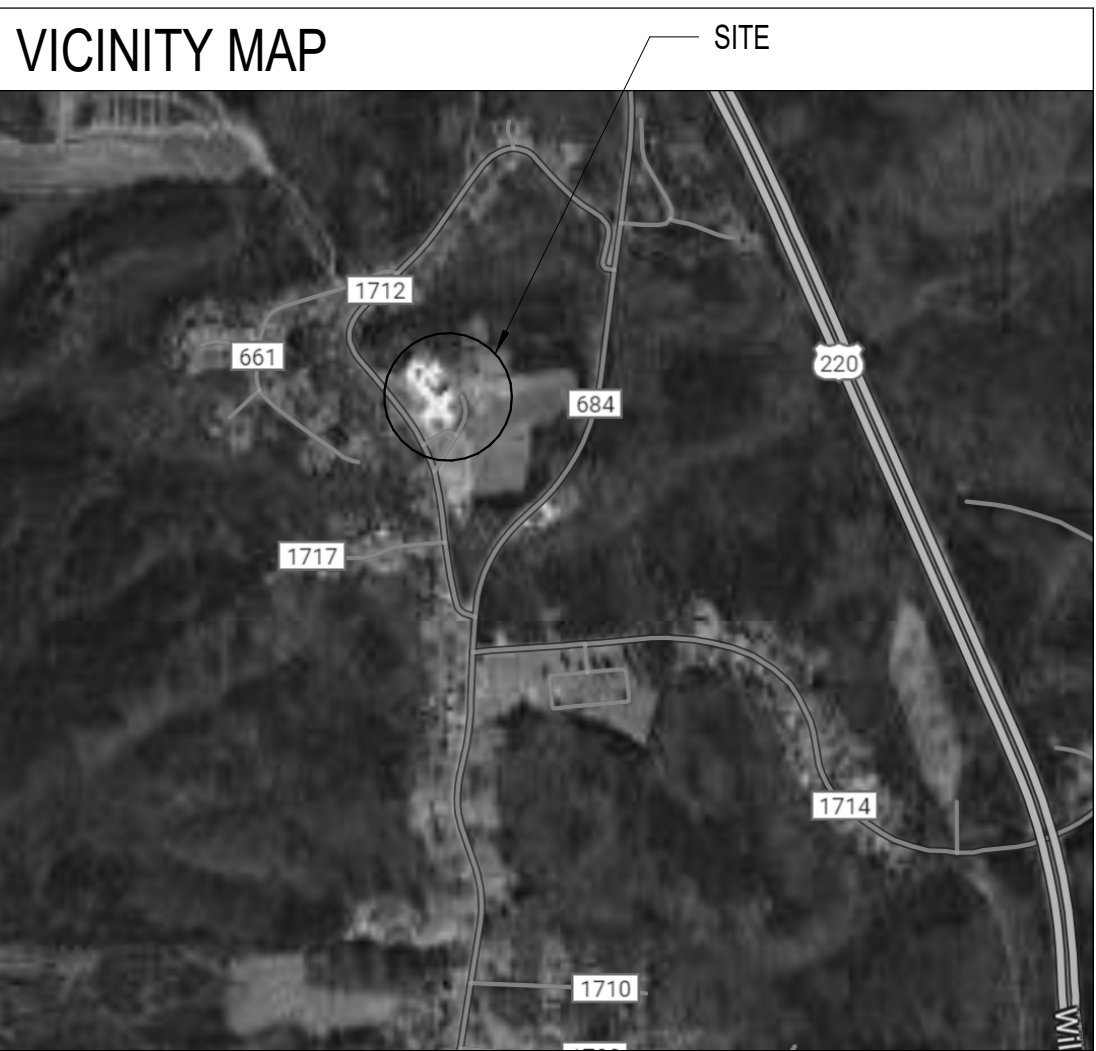
GW CARVER E.S. ELEVATOR ADDITION

HENRY COUNTY PUBLIC SCHOOLS

RRMM ARCHITECTS, PC

ARCHITECTURE / PLANNING / INTERIORS

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



CONSULTANTS

Day & Kinder Consulting
STRUCTURAL ENGINEERING
3959 Electric Road, Suite 348
Roanoke, VA 24108
Phone: 540-774-5706

Lawrence Perry & Associates, Inc.
MEP ENGINEERING
15 East Salem Ave, SE, Suite 101
Roanoke, VA 24011
Phone: 540-342-5167

OWNER

HENRY COUNTY PUBLIC SCHOOLS
Mr. Keith Scott - Director of Facilities
2285A Fairystone Park Hwy
Bassett, VA 24055
P: (276) 666-2404

LOCATION MAP



SHEET INDEX

Sheet Number	Sheet Title
--------------	-------------

E-001	ELECTRICAL LEGEND, ABBREVIATIONS AND NOTES
E-002	SINGLE LINE DIAGRAM - ELECTRICAL
E-101	FIRST & SECOND FLOOR DEMOLITION PLANS AND NEW WORK PLANS - LIGHTING AND FIRE ALARM
E-102	FIRST FLOOR NEW WORK PLAN - POWER AND ELEVATOR PIT PLAN
M-001	HVAC LEGEND, DETAILS AND NOTES
M-101	BASEMENT AND FIRST FLOOR PLANS - HVAC
M-102	SECOND FLOOR PLANS - HVAC
P-101	LEGEND, FLOOR PLANS, DETAIL AND NOTES - PLUMBING

PROJECT TITLE SHEET	
G-001	TITLE SHEET

STRUCTURAL	
S-100	GENERAL STRUCTURAL NOTES, SCHEDULES & TYP. SECTIONS
S-102	ELEVATOR PLANS

LIFE SAFETY	
LS101	LIFE SAFETY PLANS
LS102	BUILDING CODE ANALYSIS

ARCHITECTURAL	
A-001	ARCHITECTURAL GENERAL INFO & PARTITION TYPES
A-101	BASEMENT FLOOR PLANS AND ELEVATOR PIT PLANS
A-102	FIRST FLOOR PLANS
A-103	SECOND FLOOR PLANS
A-104	ROOF PLANS AND DETAILS
A-201	EXTERIOR AND INTERIOR ELEVATIONS
A-301	BUILDING SECTIONS
A-302	DETAILS
A-401	DOOR AND FINISH SCHEDULES AND DOOR DETAILS

PLUMBING	
P-101	LEGEND, FLOOR PLANS, DETAIL AND NOTES - PLUMBING

MECHANICAL	
M-001	HVAC LEGEND, DETAILS AND NOTES
M-101	BASEMENT AND FIRST FLOOR PLANS - HVAC
M-102	SECOND FLOOR PLANS - HVAC

ELECTRICAL	
E-001	ELECTRICAL LEGEND, ABBREVIATIONS AND NOTES
E-002	SINGLE LINE DIAGRAM - ELECTRICAL
E-101	FIRST & SECOND FLOOR DEMOLITION PLANS AND NEW WORK PLANS - LIGHTING AND FIRE ALARM
E-102	FIRST FLOOR NEW WORK PLAN - POWER AND ELEVATOR PIT PLAN

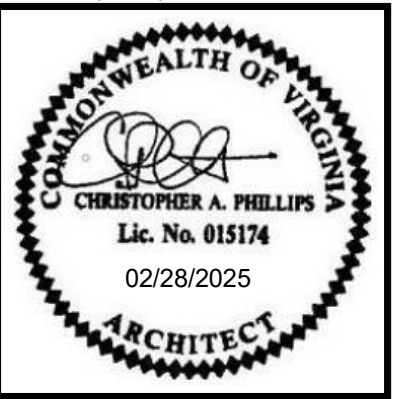


BID# 25-08194-3132

PROJECT
HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112
DRAWING
TITLE SHEET

SHEET

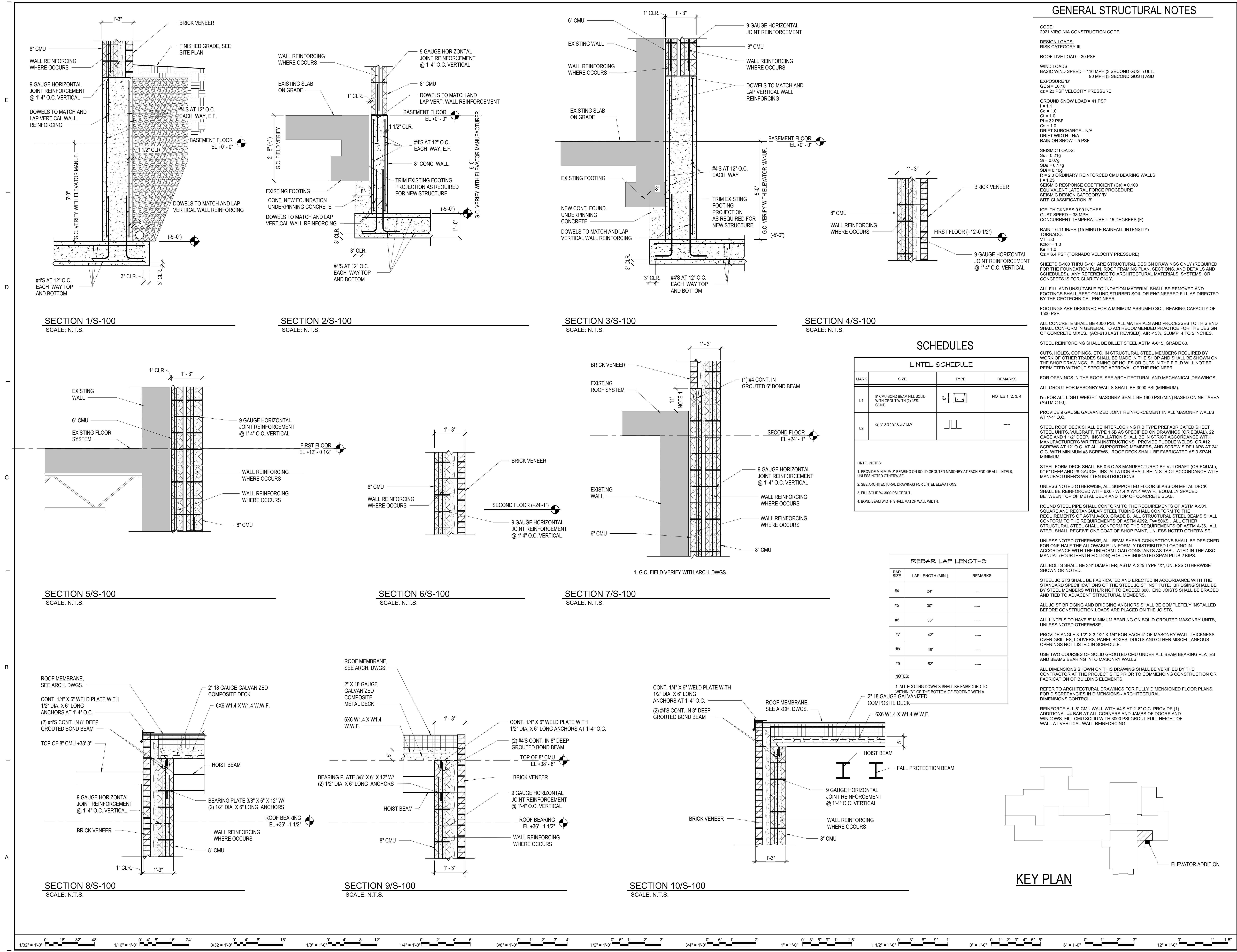
G-001



DATE	02.28.25	PROJECT	21195-17	DESIGNED	RRMM	DRAWN	RRMM	CHECKED	ACG
------	----------	---------	----------	----------	------	-------	------	---------	-----

MARK	DATE	BY	DESCRIPTION

2/25/2025 2:13:47 PM CARVER STRUCTURAL 1282025_jm@dayandkinder.com_detached.rvt



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'
G_{CPI} = ±0.18
q_z = 23 PSF VELOCITY PRESSURE

GROUND SNOW LOAD = 41 PSF

SEISMIC LOADS:
S_s = 0.21g
S_i = 0.07g
SD_s = 0.17g
SD_i = 0.10g
R = 2.0 ORDINARY REINFORCED CMU BEARING WALLS
I = 1.25
SEISMIC RESPONSE COEFFICIENT (C_s) = 0.103
EQUIVALENT LATERAL FORCE PROCEDURE
SEISMIC DESIGN CATEGORY 'B'
SITE CLASSIFICATION 'B'

ICE THICKNESS 0.89 INCHES
GUST SPEED = 38 MPH
CONCURRENT TEMPERATURE = 15 DEGREES (F)

RAIN = 6.11 IN/HR (15 MINUTE RAINFALL INTENSITY)
TORNADO:
V_T = 50
K_z = 1.0
K_e = 1.0
Q_z = 6.4 PSF (TORNADO VELOCITY PRESSURE)

SHEETS S-100 THRU S-101 ARE STRUCTURAL DESIGN DRAWINGS ONLY (REQUIRED FOR THE FOUNDATION 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).

1m 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 158 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 LR 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.

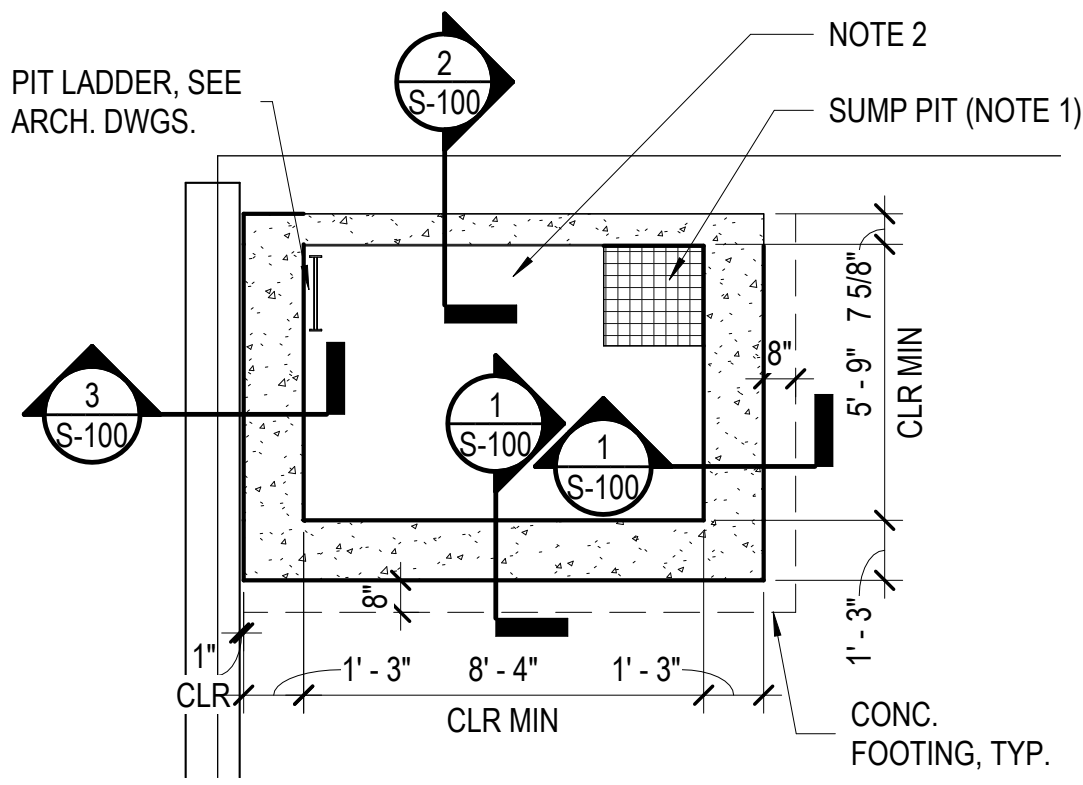
DATE	PROJECT	DESIGNED	DRAWN	CHECKED
2.27.2025	21195-17	JFK	BMB	JFK

DAY AND KINDER CONSULTING ENGINEERS, P.L.L.C.
P.O. BOX 20187
3959 ELECTRIC ROAD
SUITE 348
ROANOKE, VIRGINIA 24018
PHONE: 540-774-5706
Email: jay@dayandkinder.com
COMM. NO. 24-155

PROJECT
HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112

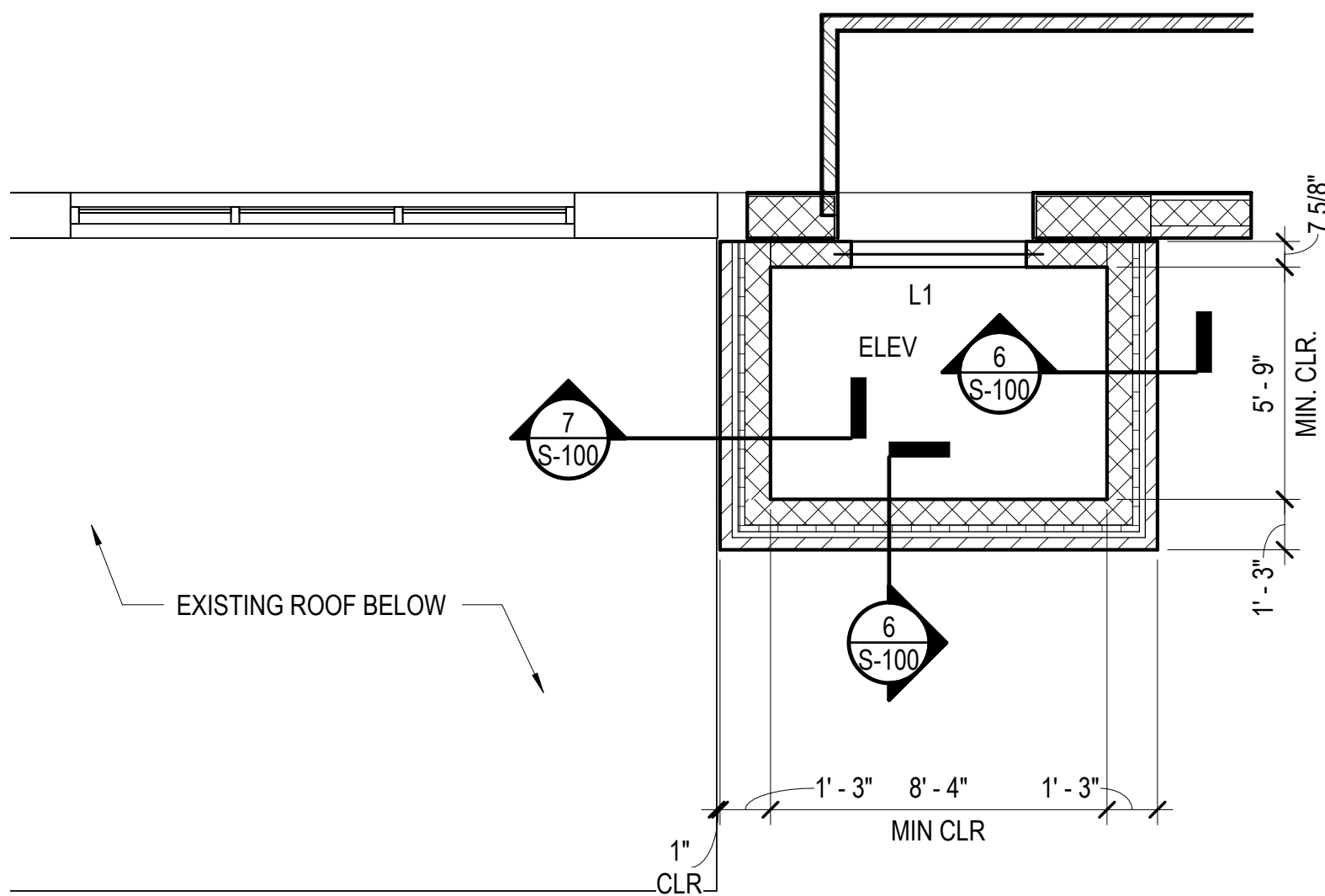
DRAWING
GENERAL STRUCTURAL NOTES, SCHEDULES & TYP. SECTIONS

SHEET
S-100

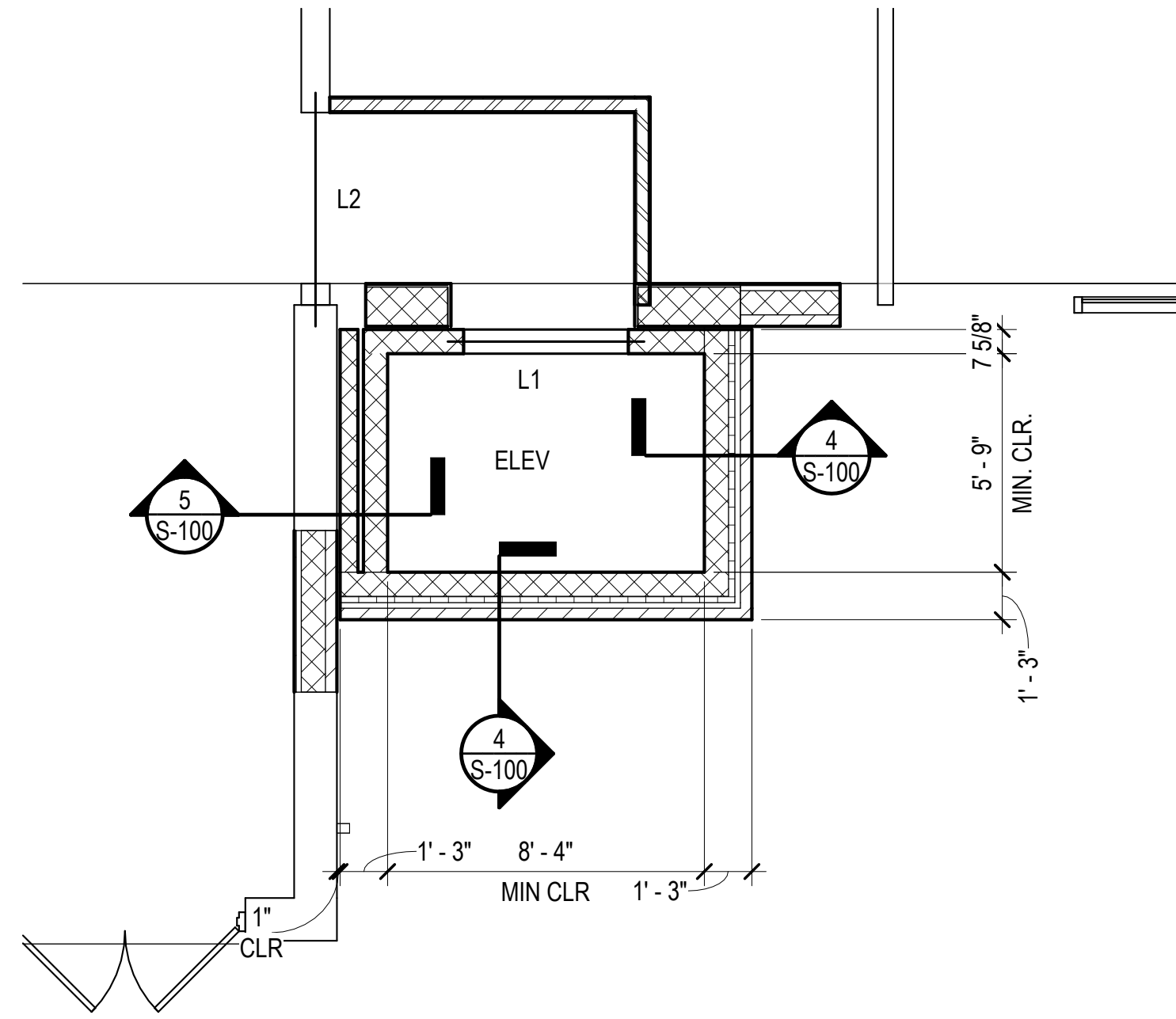


1 ELEVATOR PIT / BASEMENT PLAN (0'-0")
SCALE: 1/4" = 1'-0"

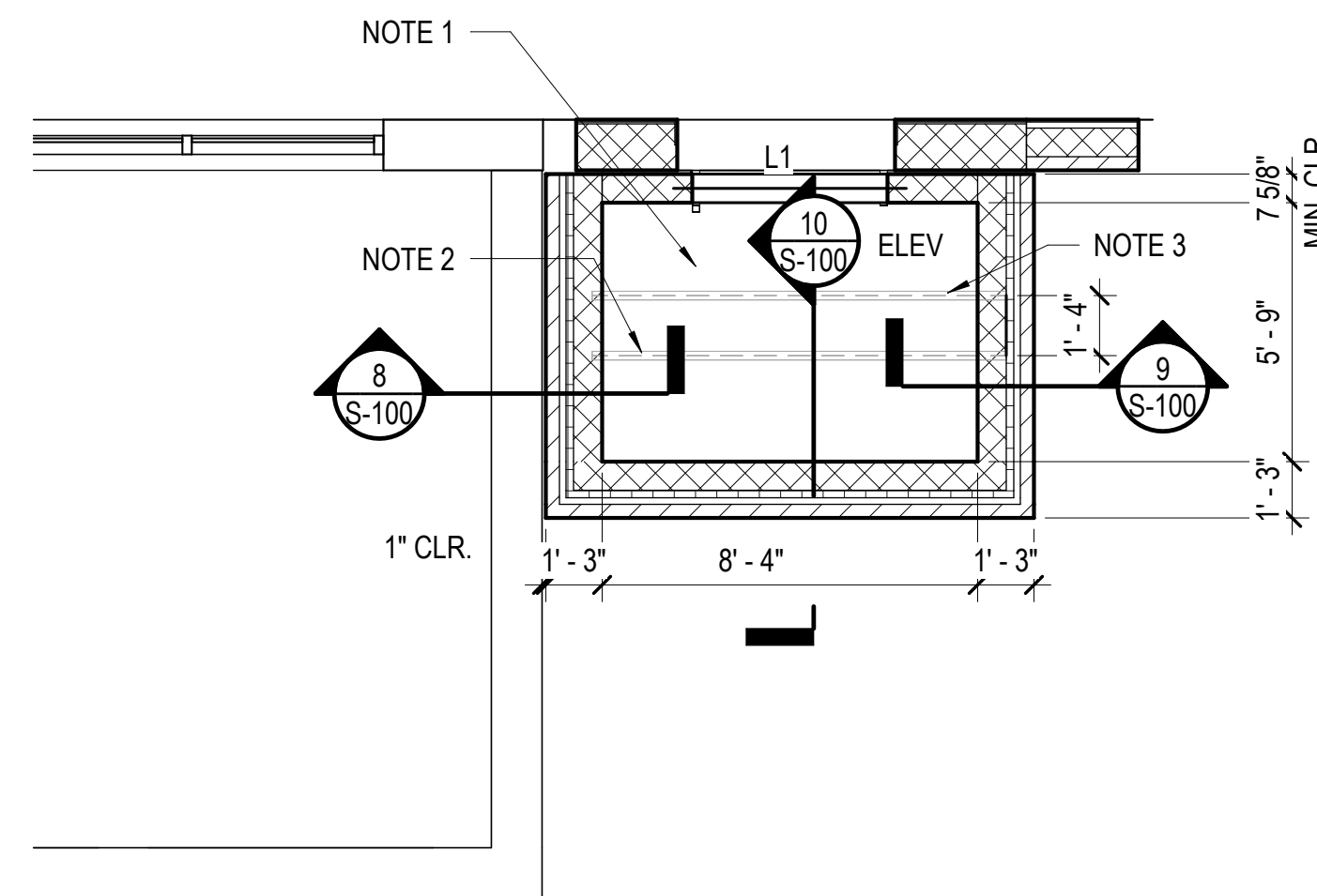
- SEE MECHANICAL DRAWINGS FOR SUMP PIT LOCATION AND SIZE. REINFORCE SUMP PIT WALLS WITH #4'S AT 12" O.C. E.W.
- PROVIDE 12" CONCRETE SLAB / PAD REINFORCED WITH #4'S AT 12" O.C. E.W. TOP AND BOTTOM.
- REINFORCE ALL 8" CMU WALL WITH #4'S AT 2'-8" O.C. AND ALL 6" CMU WALLS WITH #4'S AT 2'-8" O.C. FULL HEIGHT OF WALL. PROVIDE (1) ADDITIONAL BAR AT ALL CORNERS AND JAMBS OF DOOR OPENINGS. FILL CMU SOLID WITH 3000 PSI GROUT FULL HEIGHT OF WALL AT VERTICAL WALL REINFORCEMENT.



3 SECOND FLOOR PLAN (+24'-1")
SCALE: 1/4" = 1'-0"

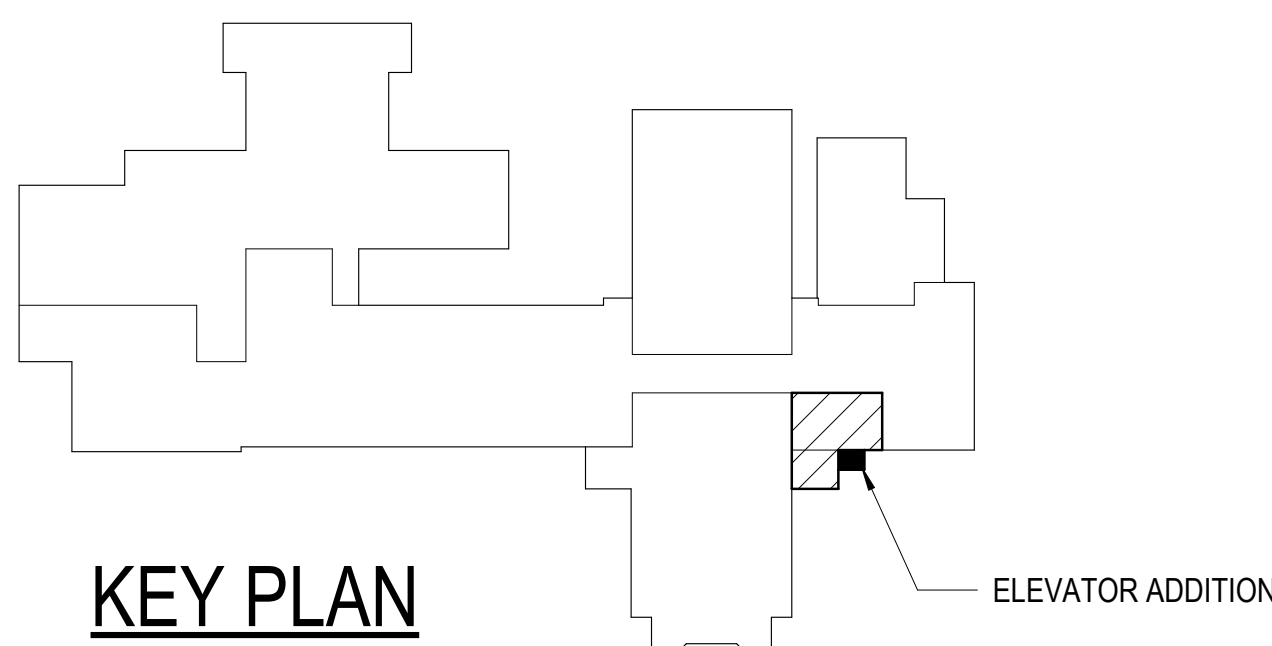


2 FIRST FLOOR PLAN (+12'-0 1/2")
SCALE: 1/4" = 1'-0"



4 ROOF PLAN (+38'-8")
SCALE: 1/4" = 1'-0"

- PROVIDE 5" CONCRETE SLAB ON 2" X 18 GAUGE GALVANIZED COMPOSITE METAL DECK REINFORCED WITH (1) LAYER OF 6X6 - W1.4 X W1.4 W.W.F.
- HOIST BEAM - W8X24. PROVIDE 3/8" X 6" X 1'-0" BEARING PLATE WITH (2) 1/2" DIA. X 6" LONG ANCHORS AT EACH END OF BEAM. BOTTOM OF HOIST BEAM (+37'-4") - G.C. VERIFY HOIST BEAM ELEVATION WITH ELEVATOR MANUFACTURER. PROVIDE BEARING PLATE 3/8" X 6" X 12" WITH (2) 1/2" DIA. ANCHORS AT EACH END OF HOIST BEAM.
- 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. BOTTOM OF BEAM (+37'-4"). BEAM DESIGNED FOR 5000 LB CONCENTRATED LOAD.



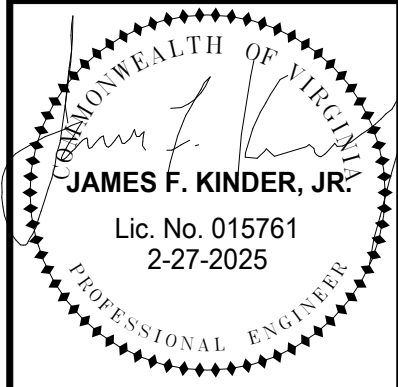
KEY PLAN

DESCRIPTION
BY
DATE
REVISIONS

DAY AND KINDER
CONSULTING
ENGINEERS, P.L.L.C.
P.O. BOX 20187
3959 ELECTRIC ROAD
SUITE 348
ROANOKE, VIRGINIA 24018
PHONE: 540-774-5706
Email: jay@dayandkinder.com
COMM. NO. 24-155

DATE	PROJECT	DESIGNED	DRAWN	CHECKED
2.27.2025	21195-17	JFK	BMB	JFK

RRMM
ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212



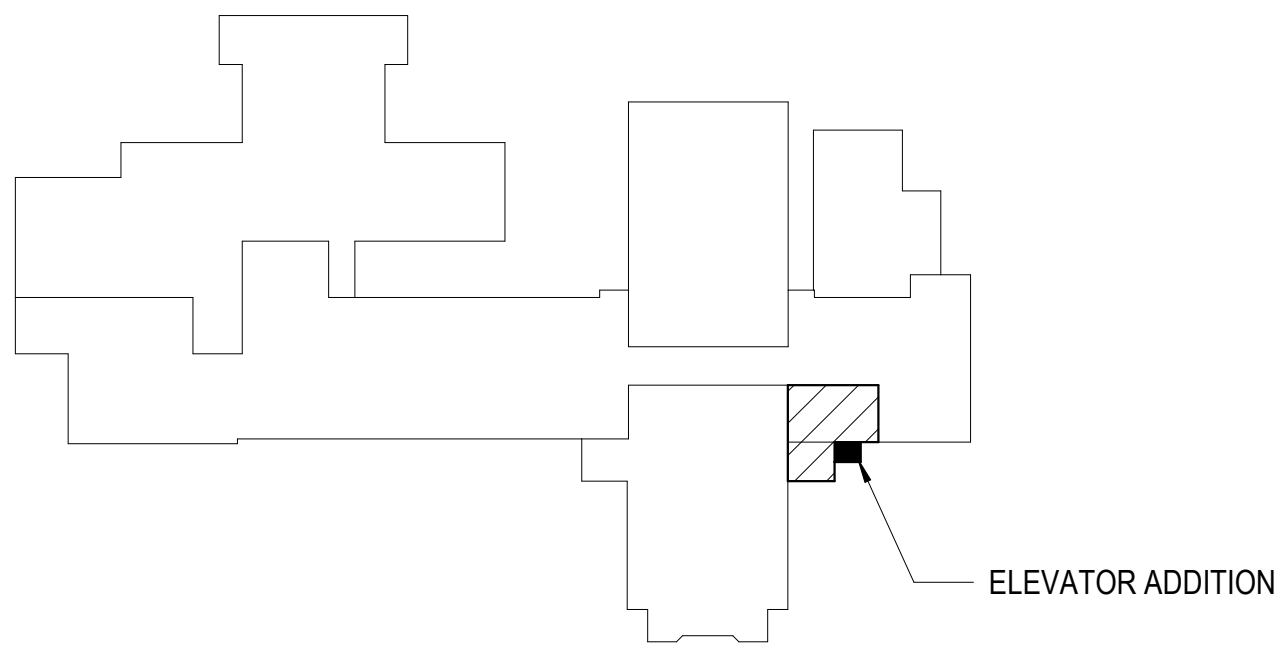
PROJECT
HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112

DRAWING
ELEVATOR PLANS

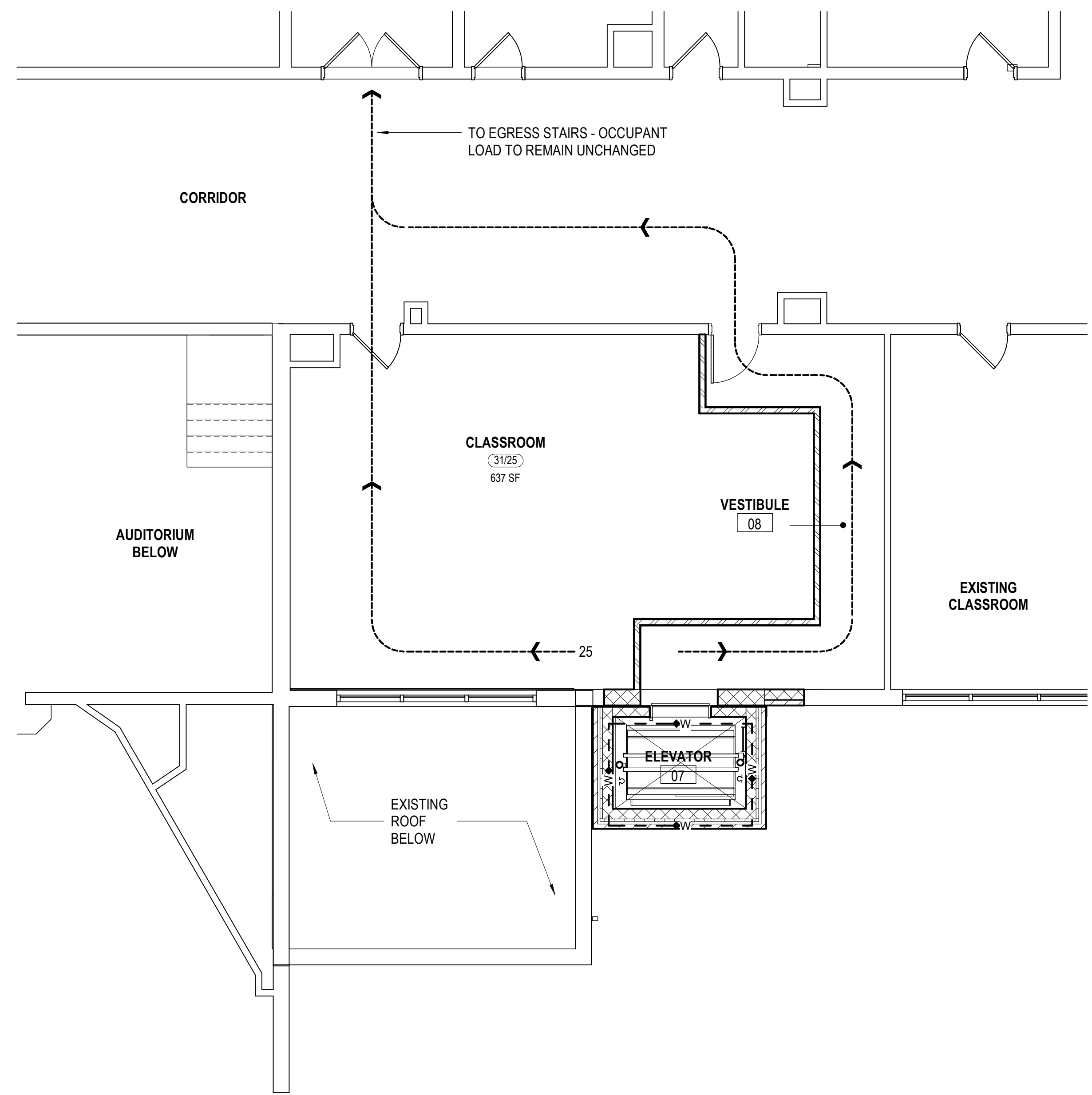
SHEET
S-101

PLAN LEGEND

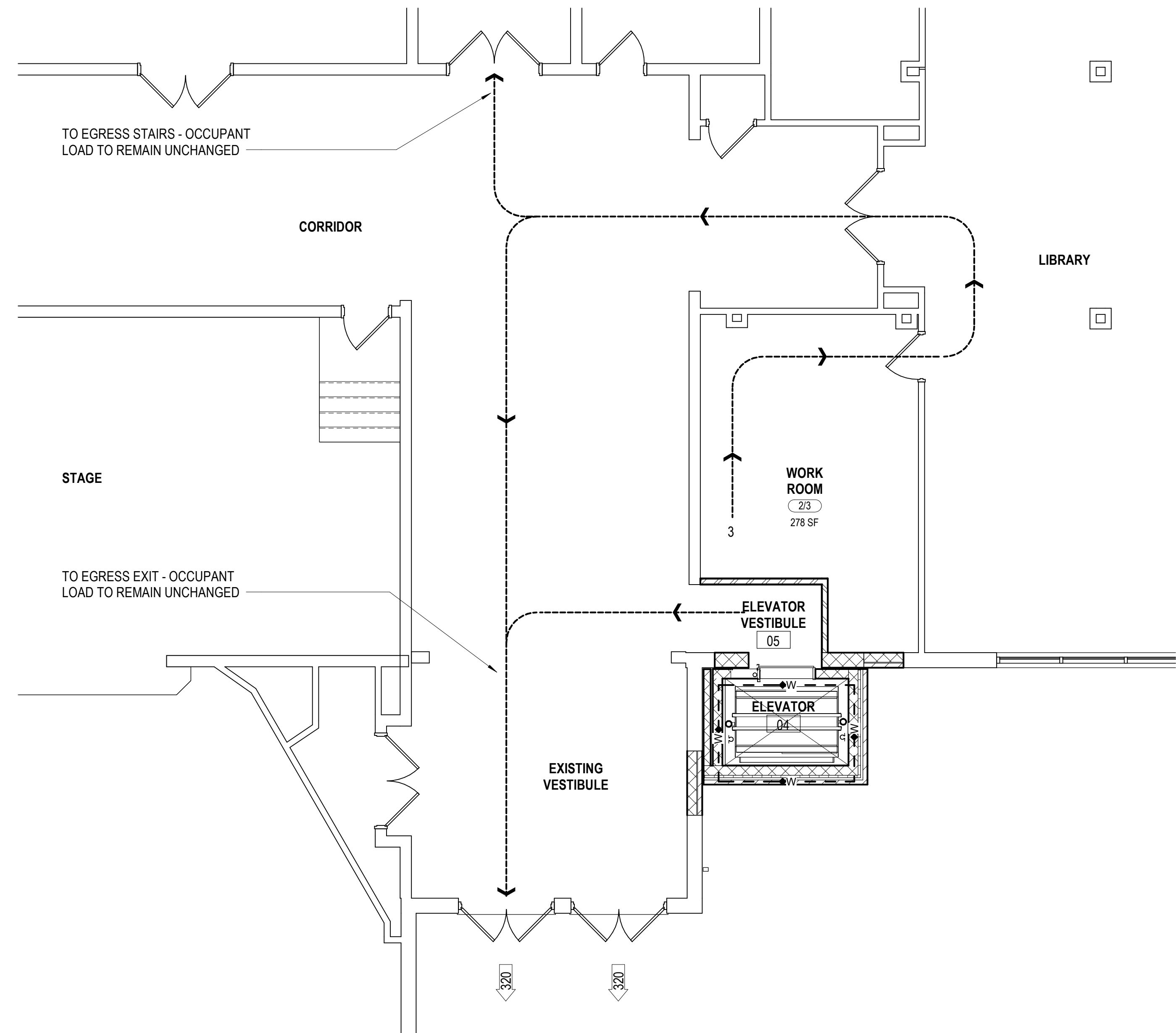
- | | | | |
|-----------|--------------------------------------|--------|----------------------------------------------------------------------------|
| -RPS- | RESIST THE PASSAGE OF SMOKE | (X)--- | DIRECTION OF EGRESS TRAVEL - OCCUPANT LOADS SHOWN ADJACENT TO TRAVEL LINES |
| ---W--- | TWO HOUR FIRE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



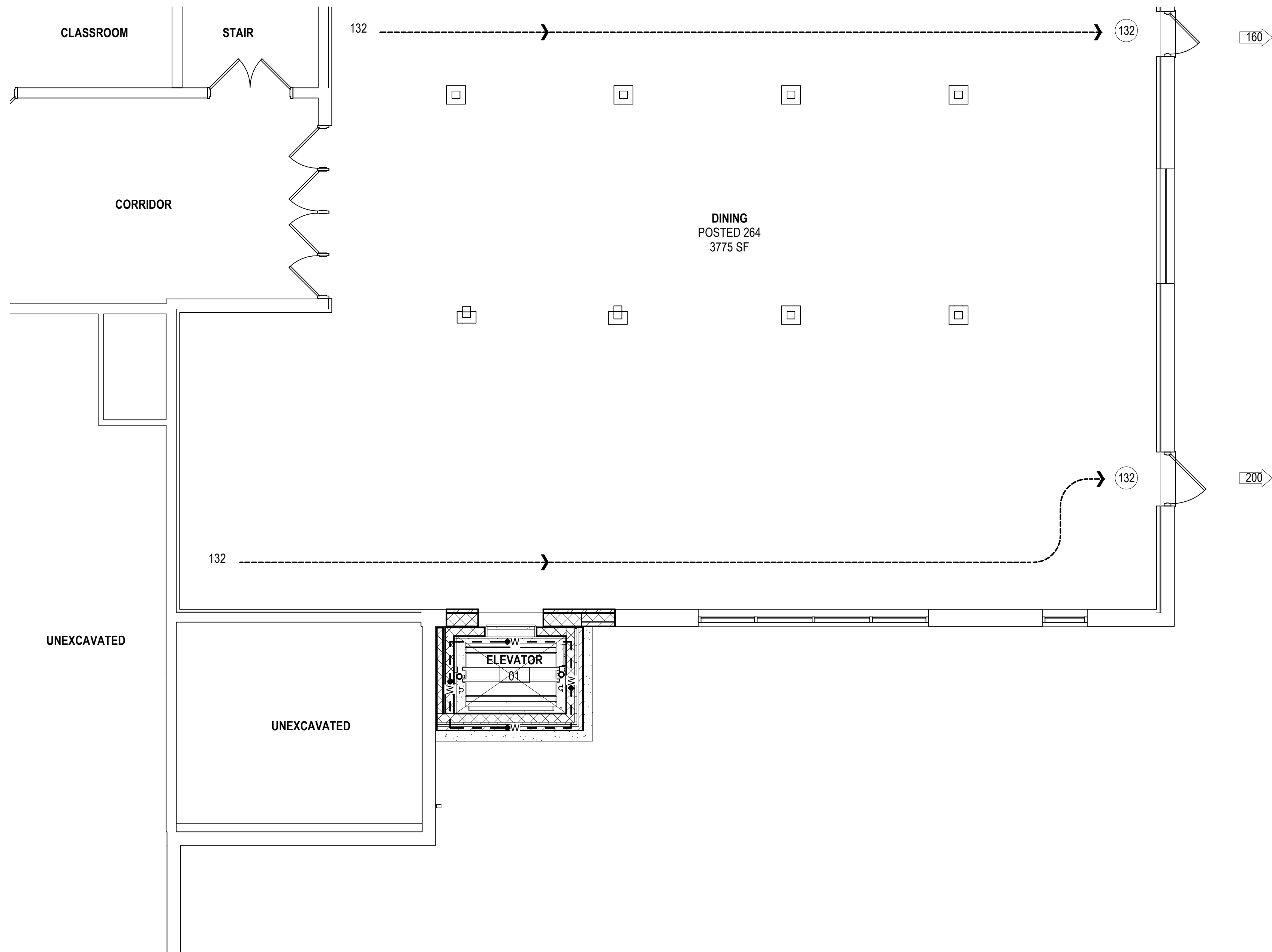
KEY PLAN
NOT TO SCALE



C4
LS101 SCALE: 3/16" = 1'-0"



A4
LS101 SCALE: 3/16" = 1'-0"



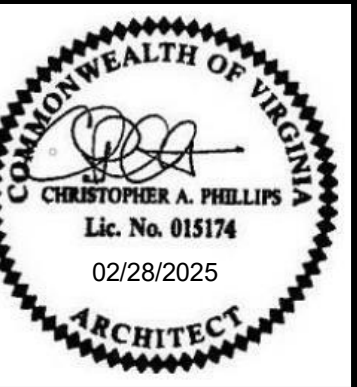
A1
LS101 SCALE: 3/16" = 1'-0"

DESCRIPTION	BY
MARK	DATE
REVISIONS	

--	--	--	--	--	--

DATE	02.28.25	PROJECT	21195-17	DESIGNED	RRMM
PROJECT	21195-17	DESIGNED	RRMM	DRAWN	RRMM
DESIGNED	RRMM	DRAWN	RRMM	CHECKED	ACG

RRMM
ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212



PROJECT
HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112

DRAWING
LIFE SAFETY PLANS

SHEET
LS101

2/21/2025 2:30:22 PM Autodesk Docs/2/1195-17 HOPS GW Carver ES Elevator - ARCH.rvt GW Carver ES Elevator - ARCH.rvt

E

D

C

B

A

G.W. CARVER 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 FOR THE EXISTING G.W. CARVER ELEMENTARY SCHOOL THAT WILL PROVIDE ACCESS FROM ALL LEVELS. A NEW 52 SF ELEVATOR VESTIBULE AT THE FIRST FLOOR, A NEW 56 SF ELEVATOR VESTIBULE AT THE SECOND FLOOR, AND A NEW 122 SF CORRIDOR AT THE SECOND FLOOR WILL ALSO BE CREATED AT THE EXISTING SPACES JUST ADJACENT TO THE NEW ELEVATOR SHAFT.

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 GEORGE WASHINGTON CARVER 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:
- 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.
 - THIS PROVISION DOES NOT APPLY TO ALTERATIONS LIMITED SOLELY TO WINDOWS, HARDWARE, OPERATING CONTROLS, ELECTRICAL OUTLETS AND SIGNS.
 - 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.
 - THIS PROVISION DOES NOT APPLY TO ALTERATIONS UNDERTAKEN FOR THE PRIMARY PURPOSE OF INCREASING THE ACCESSIBILITY OF A FACILITY.
 - 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 GROUNDING-TYPE 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:
- 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.
 - 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.
 - WHERE THE CURRENT LEVEL OF SAFETY OR SANITATION IS PROPOSED TO BE REDUCED, THE PORTION ALTERED SHALL CONFORM TO THE REQUIREMENTS OF THE VCC.
 - 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:

- THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW.
- THE ADDITION OR ELIMINATION OF ANY WALL, FLOOR, OR CEILING ASSEMBLY.
- THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM.
- 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:

- LEVEL OF FIRE PROTECTION THAT IS EXISTING.
- 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:

- WINDOWS MAY BE ADDED WITHOUT REQUIRING COMPLIANCE WITH THE LIGHT AND VENTILATION REQUIREMENTS OF THE VCC.
- WHERE AN APPROVED AUTOMATIC SPRINKLER SYSTEM IS INSTALLED THROUGHOUT THE STORY, THE REQUIRED FIRE-RESISTANT 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.
- 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.
- THE MINIMUM CEILING HEIGHT OF THE NEWLY CREATED HABITABLE AND OCCUPIABLE SPACES AND CORRIDORS SHALL BE 7 FEET.
- 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 FIRE-RESISTANCE 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 G.W. CARVER 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 WITH FIRE WALLS
DRAFTSTOPPING	NOT REQUIRED WITH NON-COMBUSTIBLE CONSTRUCTION

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	90 GROSS SF; 48 NET SF < 14,500 - OK
DESIGN STORY / HEIGHT	3 STORIES > 2 STORIES; 36' < 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"

DESCRIPTION

BY

MARK

DATE

REVISIONS

DATE	02/28/25	PROJECT	21195-17	DESIGNED	RRMM	DRAWN	RRMM	CHECKED	ACG
------	----------	---------	----------	----------	------	-------	------	---------	-----



PROJECT HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112
DRAWING BUILDING CODE ANALYSIS

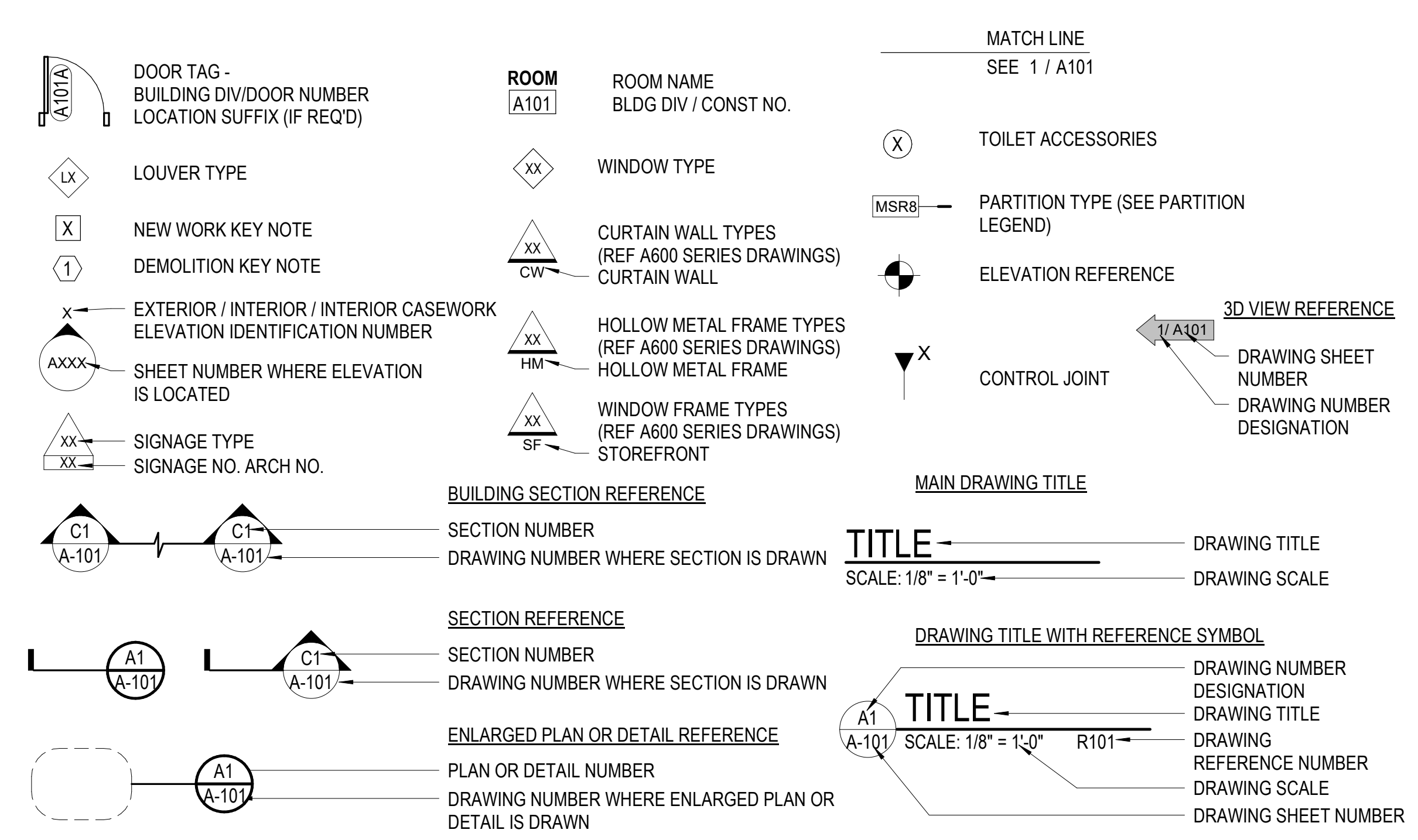
SHEET

LS102

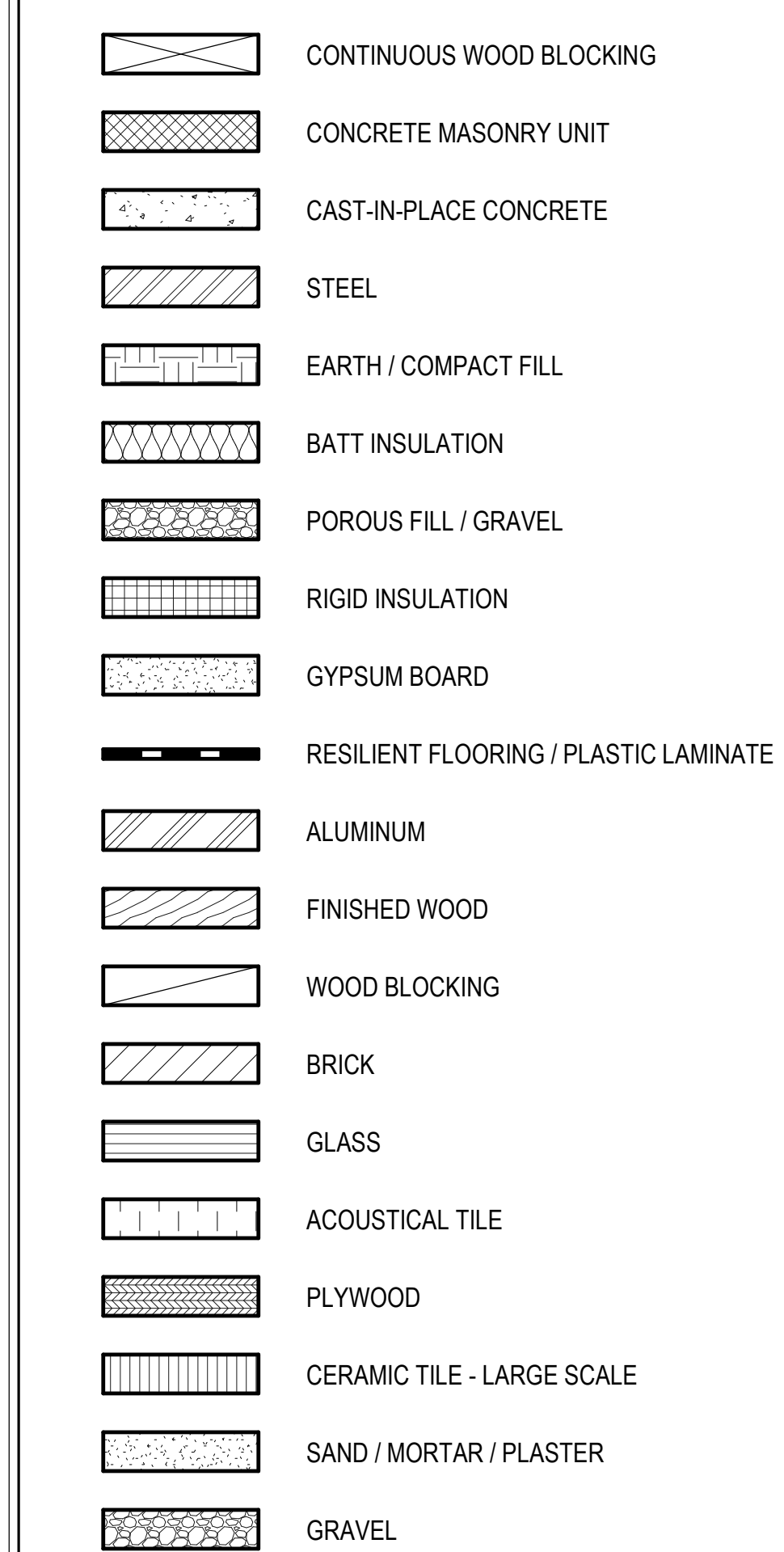
ABBREVIATIONS

#	NUMBER	CMU	CONCRETE MASONRY UNIT	FEJ	FLOOR EXPANSION JOINT	JC	JANITOR CLOSET	PC	PRE-CAST, PIECE	SOF	SPRAY-ON FIREPROOFING
&, +	AND	CNTR	COUNTER	FF	FINISH FLOOR	JCT	JUNCTION	PED	PEDESTAL	SPEC	SPECIFICATION, SPECIFICATIONS
+/-	PLUS OR MINUS	CO	CLEAN OUT	FFE	FINISH FLOOR ELEVATION	JST	JOIST	PERF	PERFORATE (D)	SPK	SPEAKER
@	AT	COL	COLUMN	FG	FIBER REINFORCED GYPSUM BOARD	JT	JOINT	PERM	PERIMETER	SQ	SQUARE
°	DEGREES	COMM	COMMUNICATION	FGL	FIBERGLASS			PIP	POURED IN PLACE	SS	SOLID SURFACE
Ø	DIAMETER	COMP	COMPOSITE	FH	FIRE HYDRANT	KIT	KITCHEN	PL	PROPERTY LINE / PLASTIC LAMINATE	ST	STAIN, STONE
Ω	ARC LENGTH	CONC	CONCRETE	FHC	FIRE HOSE CABINET	KO	KNOCKOUT	PLAM	PLASTIC LAMINATE	STC	SOUND TRANSMISSION CLASS
		CONN	CONNECTION	FIN	FINISH, FINISHED	KV	KILOVOLT	PLAS	PLASTER	STD	STANDARD
		CONST	CONSTRUCTION	FIX	FIXTURE	KVA	KILOVOLT AMPERE	PLUMB	PLUMBING	STFT	STOREFRONT
A/C	AIR CONDITIONING	CONT	CONTINUOUS	FLEX	FLEXIBLE	KW	KILOWATT	PLYWD	PLYWOOD	STL	STEEL
AB	ANCHOR BOLT	CONTR	CONTRACT, CONTRACTOR	FLR	FLOOR			PNL	PANEL	STOR	STORAGE
ABV	ABOVE	CORR	CORRUGATED	FLSHG	FLASHING	L	LENGTH, LONG, LOW	POLY	POLYURETHANE	STRUC	STRUCTURAL
ACM	ASBESTOS CONTAINING MATERIAL	CPT	CARPET	FLUOR	FLUORESCENT	LAB	LABORATORY	PORT	PORCELAIN TILE	SUB	SUBSTITUTE
ACP	ACOUSTIC CEILING PANEL	CRS	COURSE, COURSES	FLUR	FLUORESCENT	LAM	LAMINATE	PORTB	PORCELAIN TILE BASE	SUSP	SUSPENDED
ACT	ACOUSTIC CEILING TILE	CSEMT	CASEMENT	FND	FEMININE NAPKIN DISPENSER	LAV	LAVATORY	PPT	PRESERVATIVE PRESSURE TREATED	SYM	SYMMETRICAL, SYMMETRY
ADDN	ADDITION	CSWK	CASEWORK	FOC	FACE OF CONCRETE	LB	POUND	PR	PAIR	SYN	SYNTHETIC
ADH	ADHESIVE	CT	CERAMIC TILE	FOM	FACE OF MASONRY	LG	LAMINATED GLASS	PREFAB	PREFABRICATE, PREFABRICATED	SYS	SYSTEM
ADJ	ADJUSTABLE	CTB	CERAMIC TILE BASE	FOS	FACE OF STUDS	LH	LEFT HAND	PREFIN	PRE-FINISHED		
AFF	ABOVE FINISH FLOOR	CU FT	CUBIC FEET	FPP	FIREPROOF	LN	LINEAR	PRJ SC	PROJECTION SCREEN	T	TREAD
AGG	AGGREGATE	CU YD	CUBIC YARD	FPL	FIREPLATE	FR	FIRE RATED	PRT	PORCELAIN TILE	T&B	TOP & BOTTOM
AHU	AIR HANDLING UNIT	CUH	CABINET UNIT HEATER	FRG	(GLASS) FIBER REINFORCED GYPSUM	LLH	LONG LEG HORIZONTAL	PS	PENCIL SHARPENER	TB	TACK BOARD
AL	ALUMINUM	CW	COLD WATER	FRM	FRAME, FRAMED	LLV	LONG LEG VERTICAL	PSF	POUNDS PER SQUARE FOOT	TEL	TELEPHONE
ALT	ALTERNATE	CWFP	CEMENTITIOUS WOOD FIBER PANELS	FRMG	FRAMING	LP	LOW POINT	PSI	POUNDS PER SQUARE INCH	TEMP	TEMPORARY, TEMPERED
AMP, A	AMPERE			FRP	FIBERGLASS REINFORCED PLASTIC	LTG	LIGHTING	PT	PAINT	TERR	TERRAZZO
ANCH	ANCHOR, ANCHORAGE	D	DEEP, DEPTH, DRAIN	FRT	FIRE RETARDANT TREATED	LTL	LINTEL	PTD	PAINTED	TG	TONGUE & GROVE
ANOD	ANODIZED	DBL	DOUBLE	FT	FOOT, FEET	LVR	LOUVER	PTN	PARTITION	THK	THICK, THICKNESS
AP	ACCESS POINT	DET / DTL	DETAIL	FTG	FOOTING	LW	LIGHTWEIGHT	PVC	POLYVINYL CHLORIDE / PVC EDGE BAND	THRES	THRESHOLD
APC	ARCHITECTURAL PRECAST CONCRETE	DF	DRINKING FOUNTAIN	FUM	FUME HOOD			PVMT	PAVEMENT	THRU	THROUGH
APPROX	APPROXIMATE	DH	DOUBLE HUNG	FUR	FURRED, FURRING	M	METER	QT	QUARRY TILE	TO	TOP OF
AR	ABUSE RESISTANT	DIA	DIAMETER	FURN	FURNITURE	M/S	MOP SINK	QTY	QUANTITY	TOC	TOP OF CURB
ARCH	ARCHITECT, ARCHITECTURAL	DIAG	DIAGONAL	FURR	FURRING	MACH	MACHINE			TOM	TOP OF MASONRY
ASB	ASBESTOS	DIM	DIMENSION			MAINT	MAINTENANCE	R	RISER, RIDGE	TOS	TOP OF STEEL
ASPH	ASPHALT	DISP	DISPOSAL			MANUF	MANUFACTURE, MANUFACTURER	R/W	RIGHT OF WAY	TOW	TOP OF WALL
ATTEN	ATTENUATION	DIV	DIVISION			MAR	MARBLE	RA	RETURN AIR	TP	TOILET PARTITION
AUTO	AUTOMATIC	DL	DEAD LOAD			MAS	MASONRY	RAD	RADIUS	TPT	TEXTURED PAINT
AVG	AVERAGE	DMT	DEMOUNTABLE			MATL	MATERIAL	RAS	RESILIENT ATHLETIC SURFACING	TRTD	TREATED
AWP	ACOUSTIC WALL PANEL	DN	DAMP/PROOFING			GB	GRAB BAR	RB	RESILIENT BASE	TSC	TEACHERS STORAGE CABINET
		DPG	DAMP/PROOFING			GC	GENERAL CONTRACT, CONTRACTOR	MB	MARKERBOARD	TTD	TOILET TISSUE DISPENSER
BC	BOTTOM OF CURB	DPR	DISPENSER			GCMU	GLAZED FIBER REINFORCED CONCRETE	MDR	MODIFIED BITUMEN ROOF	TV	TELEVISION
BD	BOARD	DR	DOOR, DISPLAY RAIL			GEN	GENERAL	MECH	MECHANIC, MECHANICAL	TW	TEACHERS WARDROBE
BEJ	BUILDING EXPANSION JOINT	DS	DOWNSPOUT			GFRG	GLASS FIBER REINFORCED CONCRETE	MED	MEDIUM	TYP	TYPICAL
BETW	BETWEEN	DWG	DRAWING			GL	GLASS, GLAZING	MEMB	MEMBRANE	UC	UNDERCUT
BIT	BITUMINOUS	DWR	DRAWER			GPM	GALLONS PER MINUTE	MH	MANHOLE	UG	UNDER GROUND
BL	BLEACHER FINISH	E	EAST			GR	GRADE / GROUT	MIN	MINIMUM	UH	UNIT HEATER
BLDG	BUILDING	EA	EACH			GSU	GLAZED STRUCTURAL UNIT	MIR	MIRROR	UNF	UNFINISHED
BLK	BLOCK	EF	EXHAUST FAN			GWB	GYPSUM WALLBOARD	MISC	MISCELLANEOUS	UON	UNLESS OTHERWISE NOTED
BLKG	BLOCKING	EFS	EXTERIOR FINISH SYSTEM			GW	GLAZED WALL TILE	MLD	MOLDING		
BM	BEAM	EJ	EXPANSION JOINT			GYP	GYPSUM	MM	MILLIMETER	V	VOLT, VALLEY
BO	BOTTOM OF	EIFS	EXTERIOR INSULATION FINISH SYSTEM					MO	MASONRY OPENING	VAC	VACUUM
BOT, B	BOTTOM	EJ	EXPANSION JOINT					MOD	MODIFIED	VAR	VARNISH
BRG	BEARING	ELAS	ELASTOMERIC			H	HIGH	MOV	MOVABLE	VB	VENTED BASE
BRK	BRICK	ELEC	ELECTRICAL			H/C	HANDICAPPED	RFL	REFLECT, REFLECTED, REFLECTIVE	VCT	VINYL COMPOSITION TILE
BS	BOTH SIDES	ELEV	ELEVATION, ELEVATOR			HB	HOSE BIB	RH	RIGHT HAND	VEN	VENEER
BSMT	BASEMENT	EM	ENTRANCE MAT			HC	HOLLOW CORE	RL	RAIN LEADER	VERT	VERTICAL
BTWN, B/W	BETWEEN	EMER	EMERGENCY			HD	HAND	RM	ROOM	VEST	VESTIBULE
BUR	BUILT-UP ROOFING	ENCL	ENCLOSE, ENCLOSURE			HDBD	HARDBOARD	RO	ROUGH OPENING	VR	VAPOR RETARDER
BVL	BEVELED	ENCL	ENCLOSE, ENCLOSURE			HDWD	HARDWOOD	RSHT	RESILIENT SHEET	VT	VINYL TILE
		EP	ELECTRICAL PANELBOARD			MULL	MULLION	RT	RUBBER TILE / RUBBER TREAD	VTR	VENT THRU ROOF
C	CARPET	EPDM	ETHYLENE PROPYLENE DIENE MONOMER			MW	MEMBRANE WATERPROOFING	RTU	ROOF TOP UNIT	VWC	VINYL WALL COVERING
CAB	CABINET					N	NORTH			W	WEST, WIDE, WIDTH
CAP	CAPACITY	EPS	EXPANDED POLYSTYRENE			N/C	NO CHARGE	S	SOUTH	W/	WITH
CB	CHALKBOARD	EPX	EPOXY			NAT	NATURAL	S/S	STAINLESS STEEL, SERVICE SINK	W/O	WITHOUT
CC	CUBICAL CURTAIN	EQ	EQUAL			HP	HIGH POINT	SAB	SOUND ATTENUATION BLANKET	WAIN	WAINSCOT
CCTV	CLOSED CIRCUIT TELEVISION	EQUIP	EQUIPMENT			HR	HOUR	SAN	SANITARY SEWER	WB	WOOD BASE
CEM	CEMENT	EST	ESTIMATE			HTG	HEATING	SAPC	SUSPENDED ACOUSTIC PANEL CEILING	WC	WATER CLOSET
CEM TOP	CEMENT TOPPING	EWC	ELECTRIC WATER COOLER			HVAC	HEATING, VENTILATION AND AIR CONDITIONING	SC	SOLID CORE, SEALED CONCRETE	WD	WOOD / WOOD FLOORING
CER	CERAMIC	EXCA	EXCAVATE			HW	HOT WATER	SCHED	SCHEDULE	WDB	WOOD BASE
CF	CUBIC FOOT	EXH	EXHAUST			HWH	HOT WATER HEATER	SCW	SOLID CORE WOOD	WDW	WINDOW
CFLSHG	COUNTER FLASHING	EXIST	EXISTING					SD	SOAP DISPENSER, STORM DRAIN	WGL	WIRE GLASS
CFM	CUBIC FEET PER MINUTE	EXP	EXPOSED / EXPANSION					SEC	SECTION	WH	WATER HEATER
CG	CORNER GUARD	EXP C	EXPANSION CONSTRUCTION					SF	SQUARE FEET	WI	WROUGHT IRON
CHAM	CHAMFER	EXT	EXTERIOR					SFGL	SAFETY GLASS	WMS	WIRE MANAGEMENT SLOT
CI	CAST IRON	FAB	FABRICATE					SHLVG	SHELVING	WP	WATERPROOFING
CIP	CAST IN PLACE	FAS	FASTEN, FASTENER					SHM	SECURITY HOLLOW METAL	WPT	WORKING POINT
CIR	CIRCLE	FB	FACE BRICK					SHT	SHEET	WR	WASTE RECEPTACLE
CJ	CONTROL JOINT	FCVD	FLASH COVERED					SHTH	SHEATHING	WT	WEIGHT
CK	CAULK, CAULKING	FD	FLOOR DRAIN, FIRE DAMPER					SIM	SIMILAR	WWF	WELDED WIRE FABRIC
CLG	CEILING	FDN	FOUNDATION					SLR	SEALER	WWM	WELDED WIRE MESH
CLO	CLOSET	FE	FIRE EXTINGUISHER					SN	STAGE NOSE		
CLR	CLEAR	FEC	FIRE EXTINGUISHER CABINET					SND	SANITARY NAPKIN DISPOSER		
CM	CENTIMETER, CENTIMETERS					JAN	JANITOR				
CMP	CORRUGATED METAL PIPE					JB	JUNCTION BOX				

ARCHITECTURAL GRAPHIC SYMBOLS



ARCHITECTURAL MATERIAL LEGEND



PARTITION TYPE NOTES

- PARTITION TERMINATION LOCATION & CONDITIONS MAY VARY. REFER TO THE REFLECTED CEILING PLANS FOR PARTITION TERMINATION LEGEND AND ANY OTHER CORRESPONDING DETAILS.
- REFER TO LIFE SAFETY PLANS FOR LOCATIONS AND RATING FOR FIRE RATED PARTITIONS. REFERENCE TESTING LAB CHART BELOW FOR UL ASSEMBLIES ASSOCIATED WITH THE FIRE RESISTANCE RATED PARTITIONS.
- PARTITION TYPES DO NOT INCLUDE ALL APPLIED FINISHES. REFER TO FINISH SCHEDULE.
- FOR PARTITIONS WITH SINGLE SIDED GYP BD APPLICATIONS, PROVIDE FLAT STRAP BRACING AT 48" OC MIN FOR FULL LENGTH OF WALL.
- ALL CMU WALLS SHALL BE REINFORCED WITH HORIZONTAL MASONRY REINFORCING AT 16" OC VERTICALLY UNLESS NOTED OTHERWISE.

M8R	M6	S4	M12R	S71
FIRE RESISTANCE RATED PARTITION - REFERENCE TESTING LAB CHART		FIRE RESISTANCE RATED PARTITION - REFERENCE TESTING LAB CHART	FIRE RESISTANCE RATED PARTITION - REFERENCE TESTING LAB CHART	
PARTITION TERMINATION REFER TO PARTITION TYPE 1	PARTITION TERMINATION REFER TO PARTITION TYPE 1	PARTITION TERMINATION REFER TO PARTITION TYPE 1	PARTITION TERMINATION REFER TO PARTITION TYPE 1	PARTITION TERMINATION NOTE XX
CEILING LINE CMU	CEILING LINE CMU	CEILING LINE METAL STUDS @16" OC	CEILING LINE CMU 7/8" HAT CHANNEL @ 16" OC	CEILING LINE 7/8" METAL HAT FURRING CHANNEL @16" OC
FLOOR LINE PROVIDE 1" STENCILED TEXT EVERY 8' - 0" O.C. READING "1 HOUR FIRE RATED BARRIER" AS REQUIRED BY BUILDING CODE	FLOOR LINE	FLOOR LINE 1 LAYER 5/8" ABUSE RESISTANT GYP BD EACH SIDE	FLOOR LINE 1 LAYER 5/8" GWB	FLOOR LINE 1 LAYER 5/8" GWB
ACTUAL DIMENSION "X"	7 5/8"	5 5/8"	4 7/8"	12 3/4"
STUD SIZE	-	-	3 5/8"	1/2"
CMU SIZE	7 5/8"	5 5/8"	-	11 5/8"

PARTITION TYPES

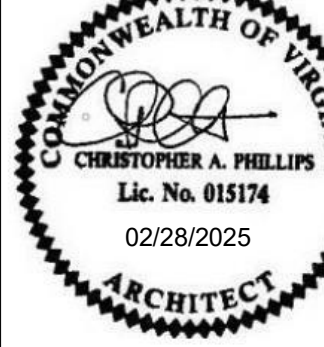


DATE	02.28.25	PROJECT	21195-17	DESIGNED	RRMM	DRAWN	RRMM	CHECKED	ACG	DESCRIPTION	BY	MARK	DATE	REVISIONS
------	----------	---------	----------	----------	------	-------	------	---------	-----	-------------	----	------	------	-----------

DATE	02.28.25	PROJECT	21195-17	DESIGNED	RRMM	DRAWN	RRMM	CHECKED	ACG	DESCRIPTION	BY	MARK	DATE	REVISIONS
------	----------	---------	----------	----------	------	-------	------	---------	-----	-------------	----	------	------	-----------

DATE	02.28.25	PROJECT	21195-17	DESIGNED	RRMM	DRAWN	RRMM	CHECKED	ACG	DESCRIPTION	BY	MARK	DATE	REVISIONS
------	----------	---------	----------	----------	------	-------	------	---------	-----	-------------	----	------	------	-----------

RRMM
ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212



PROJECT
HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112

DRAWING
ARCHITECTURAL GENERAL INFO & PARTITION TYPES

SHEET	A-001
-------	-------

DEMOLITION PLAN KEY NOTES

- 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.
- REMOVE ALUM STOREFRONT WINDOW AND FRAME COMPLETE.
- REMOVE DOWNSPOUT AND CONNECTION TO STORM WATER. - REF PLBG DWGS.
- REMOVE PORTION OF EXISTING CONCRETE WALL AND HANDRAIL.
- REMOVE LENGTH OF EXISTING GUTTER AND FASCIA BOARD AS NECESSARY TO ACCOMMODATE NEW ELEVATOR SHAFT.
- REMOVE EXISTING WALL MOUNTED HVAC UNIT. REF MECH DWGS.
- 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.
- REMOVE EXISTING CONC AREAWAY, STEEL GRATE, AND DRAIN. REF MECH DWGS.
- REMOVE PORTION OF MASONRY INTERIOR WALL AND PREPARE EXISTING SURFACES FOR NEW WORK.
- REMOVE EXISTING ELEC JUNCTION BOX. REF ELEC DWGS.
- REMOVE EXIST SIGNAGE AND COORDINATE REPLACEMENT WITH OWNER.
- REMOVE EXISTING WALL MOUNTED HVAC UNIT AND LOUVER, REF MECH DWGS.

GENERAL NOTES

- PLAN DIMENSIONS ARE FROM FACE OF CMU OR FACE OF STUD UNLESS OTHERWISE NOTED.
- COORDINATE OPENING SIZE IN FRONT WALL OF ELEVATOR HOISTWAY IF REQUIRED BY ELEVATOR MANUF TO ACCOMMODATE ELEVATOR CONTROL PANEL INSTALLATION.
- REFER TO CIVIL DWG FOR EXTENT OF SIDEWALK REPLACEMENT AT BASEMENT LEVEL EXTERIOR OPENING 101.

DEMOLITION LEGEND

- EXISTING WALL AND/OR DOOR TO BE DEMOLISHED OR REMOVED
- EXISTING WINDOW TO BE REMOVED
- EXISTING WALL, WINDOW, AND/OR DOOR TO REMAIN

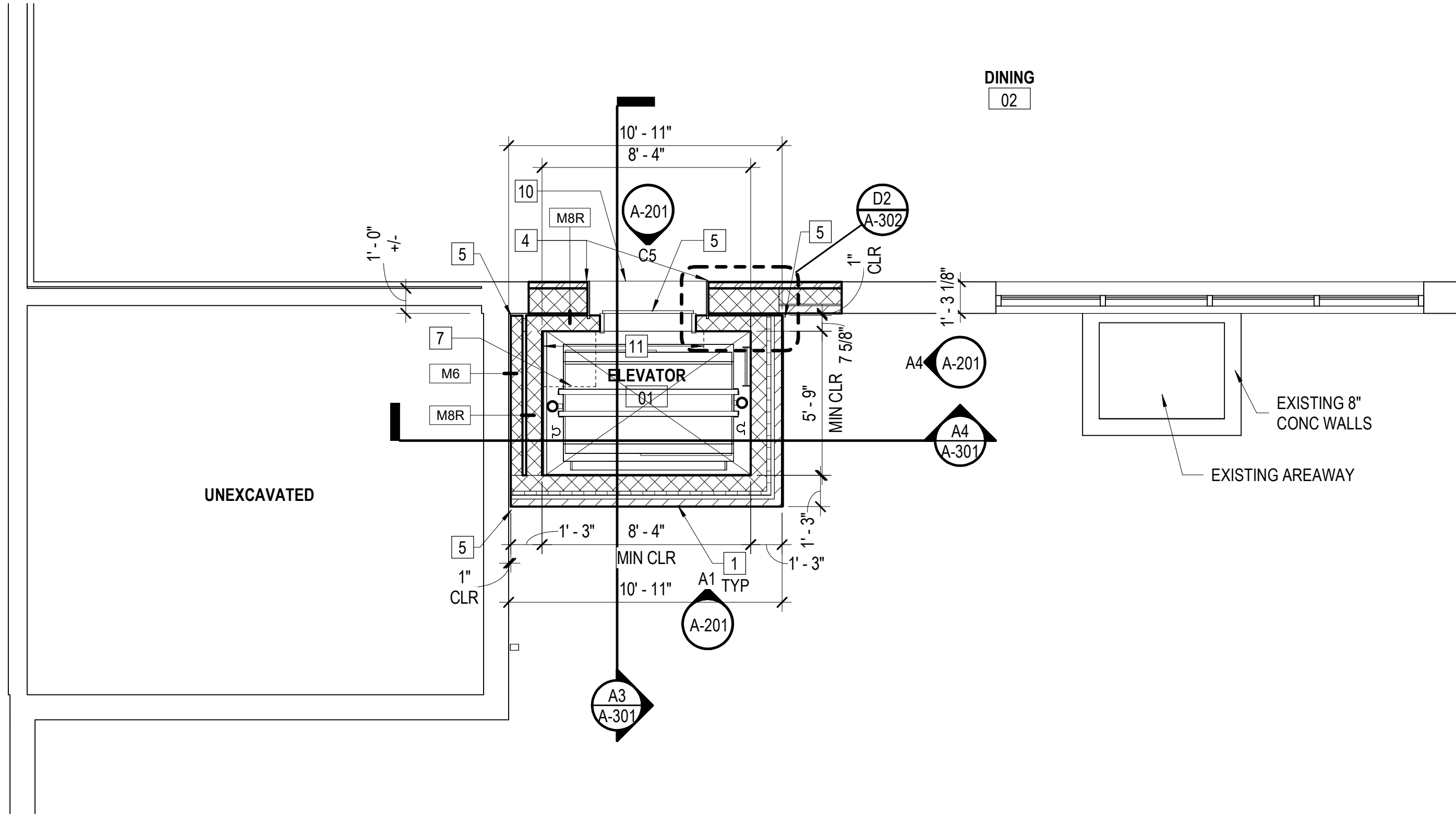
FLOOR PLAN KEY NOTES

- FACE BRICK TO MATCH EXISTING; NEW BRICK SHALL BE TOOTHED INTO EXISTING TO ESTABLISH CLEAN AND ASCETICALLY PLEASING TRANSITION.
- INFILL WINDOW OPENING FROM SELECTION DEMOLITION WITH CMU, INSULATION AND BRICK VENEER TO MATCH EXISTING MASONRY WALL. INTERIOR FINISH WITH SURFACE APPLIED GWB TO MATCH ADJACENT - PAINT TO MATCH.
- INFILL WINDOW OPENING FROM SELECTIVE DEMOLITION WITH CMU. INTERIOR FINISH TO MATCH ADJACENT EXISTING WALL.
- 5'-0" HIGH CORNER GUARDS, TYP @ EXPOSED GWB CORNERS.
- EXPANSION JOINT COVER.
- ELEVATOR CONTROL PANEL.
- LINE OF SUMP PIT BELOW.
- SLOPE NEW WALK WAY FROM BUILDING TO PROVIDE FOR POSITIVE DRAINAGE, TYP.
- NEW 3X4 DOWNSPOUT TO MATCH ADJACENT CONNECT TO EXIST UNDERGROUND STORM.
- EDGE OF NEW LVT FLOORING PROVIDE VINYL TRANSITION STRIP.
- PROVIDE 6'-0" WIDE X 8'-4" MASONRY OPENING FOR ELEVATOR EQUIPMENT. INFILL OPENING WITH CMU AFTER ELEVATOR COMPONENTS ARE INSTALLED. COORDINATE WITH ELEVATOR MFR.
- PROVIDE 8'-4" W X 8'-4" H MASONRY OPENING FOR ELEVATOR EQUIPMENT, INFILL WITH CMU AFTER ELEVATOR COMPONENTS ARE INSTALLED. COORDINATE WITH ELEVATOR MFR. ADAJACENT TO CONTROLLER PANEL.

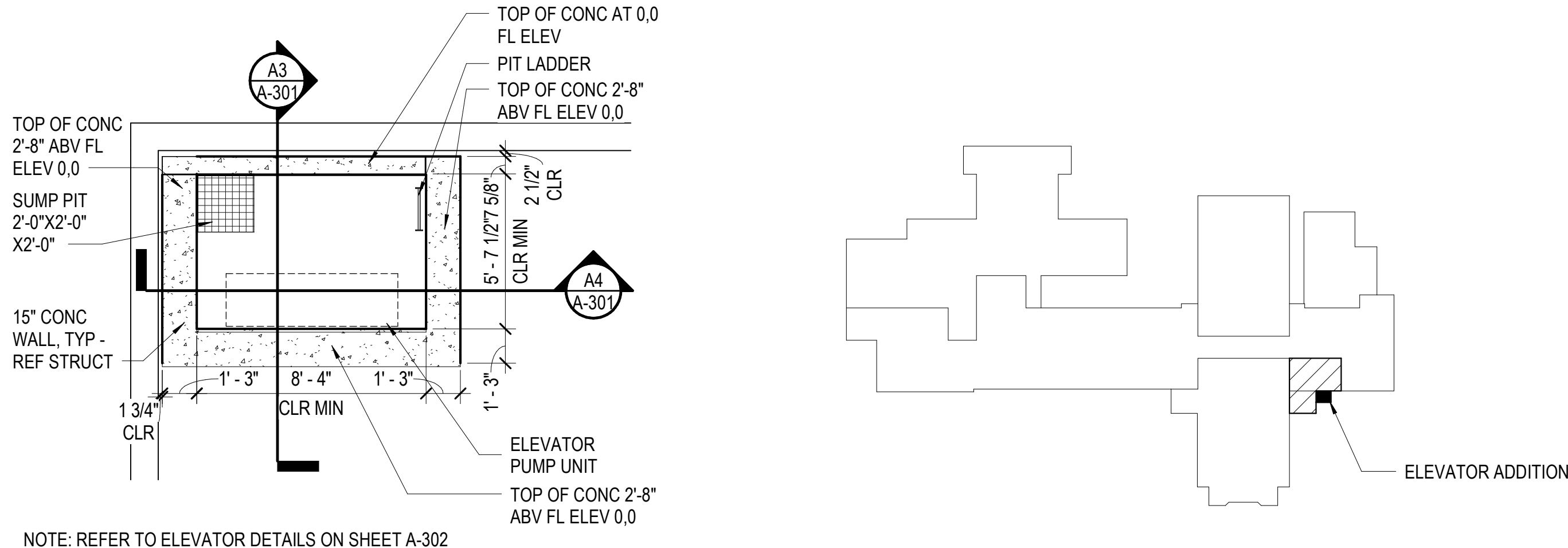
GENERAL DEMOLITION AND REPAIR NOTES

- EXISTING FINISH FLOOR REFERENCE (0'-0") UNLESS NOTED OTHERWISE.
- 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.
- 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.
- 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.
- REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
- 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.
- 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.
- THE DEMOLITION DWGS INDICATE MAJOR ITEMS TO BE DEMOLISHED. MISCELLANEOUS ABANDONED CONDUIT, WALL PENETRATIONS (IE,SCREWS, NAILS MASONRY ANCHORS), WOOD BLKG AND OTHER VARIOUS ITEMS 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.
- 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.

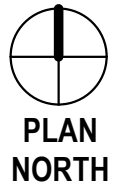
D3 BASEMENT DEMOLITION PLAN
A-101 SCALE: 1/4" = 1'-0"



B3 BASEMENT FLOOR PLAN
A-101 SCALE: 1/4" = 1'-0"



A4 ELEVATOR PIT PLAN
A-101 SCALE: 1/4" = 1'-0"

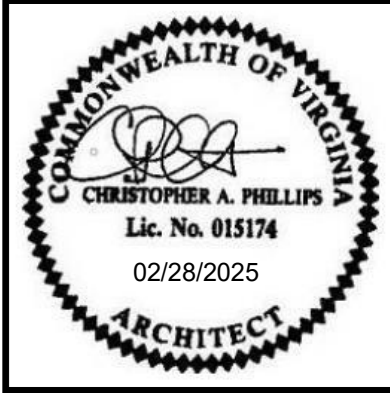


KEY PLAN
NOT TO SCALE

DESCRIPTION
BY
MARK DATE
REVISIONS

DATE	PROJECT	DESIGNED	DRAWN	CHECKED
02.28.25	21195-17	RRMM	MEH	ACG

RRMM ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212



PROJECT
HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112

DRAWING
BASEMENT FLOOR PLANS AND ELEVATOR PIT PLANS

SHEET
A-101

⊗ DEMOLITION PLAN KEY NOTES

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 ALUM STOREFRONT WINDOW AND FRAME COMPLETE.
3. REMOVE DOWNSPOUT AND CONNECTION TO STORM WATER. - REF PLBG DWGS.
4. REMOVE PORTION OF EXISTING CONCRETE WALL AND HANDRAIL.
5. REMOVE LENGTH OF EXISTING GUTTER AND FASCIA BOARD AS NECESSARY TO ACCOMMODATE NEW ELEVATOR SHAFT.
6. REMOVE EXISTING WALL MOUNTED HVAC UNIT. REF MECH DWGS.
7. 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.
8. REMOVE EXISTING CONC AREAWAY, STEEL GRATE, AND DRAIN. REF MECH DWGS.
9. REMOVE PORTION OF MASONRY INTERIOR WALL AND PREPARE EXISTING SURFACES FOR NEW WORK.
10. REMOVE EXISTING ELEC JUNCTION BOX. REF ELEC DWGS.
11. REMOVE EXIST SIGNAGE AND COORDINATE REPLACEMENT WITH OWNER.
12. REMOVE EXISTING WALL MOUNTED HVAC UNIT AND LOUVER, REF MECH DWGS.

GENERAL 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 REQUIRED BY ELEVATOR MANUF TO ACCOMMODATE ELEVATOR CONTROL PANEL INSTALLATION.
3. REFER TO CIVIL DWG FOR EXTENT OF SIDEWALK REPLACEMENT AT BASEMENT LEVEL EXTERIOR OPENING 101.

DEMOLITION LEGEND

- EXISTING WALL AND/OR DOOR TO BE DEMOLISHED OR REMOVED
- EXISTING WINDOW TO BE REMOVED
- EXISTING WALL, WINDOW, AND/OR DOOR TO REMAIN

GENERAL DEMOLITION AND REPAIR NOTES

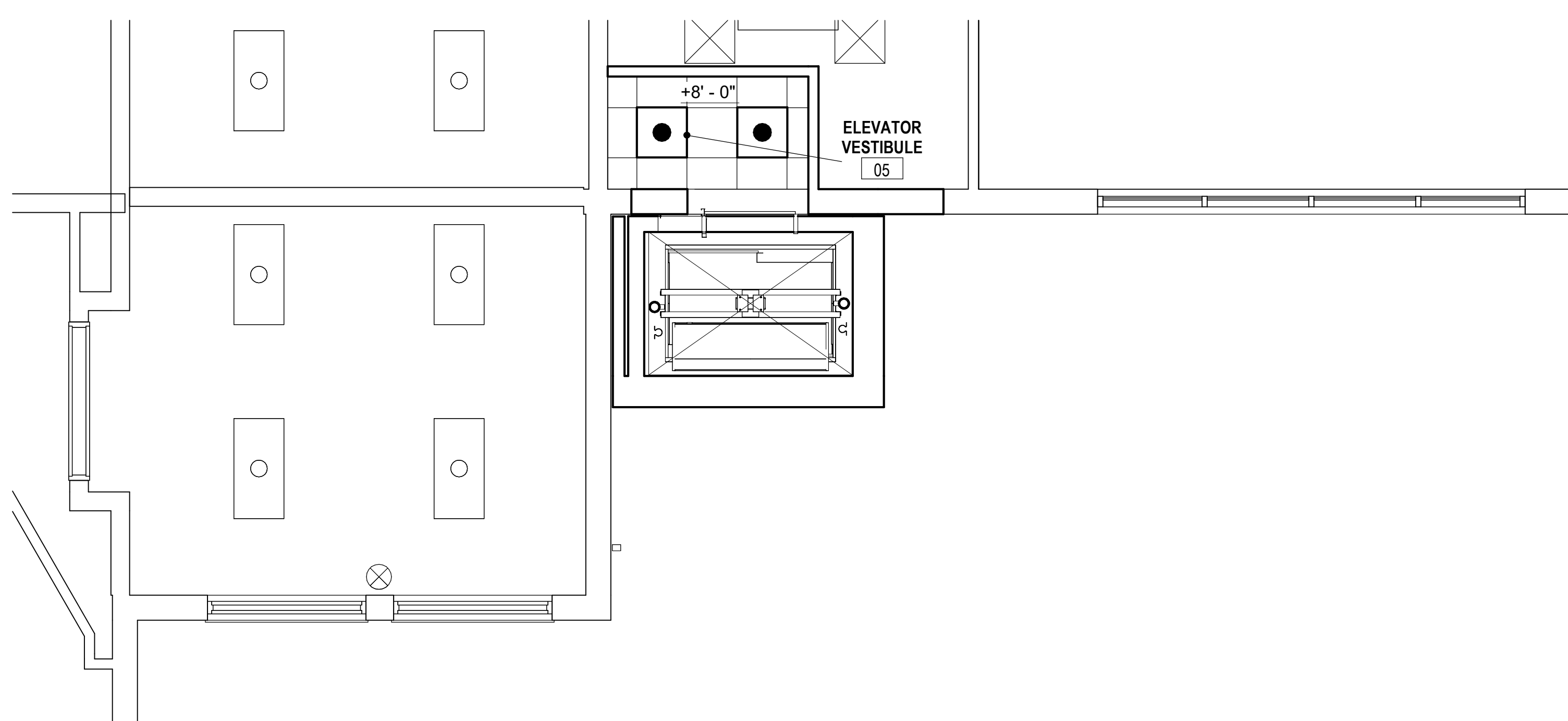
1. EXISTING FINISH FLOOR REFERENCE (0'-0") UNLESS NOTED OTHERWISE.
2. PLAN DIMENSIONS FOR EXISTING CONDITIONS ARE TO FACE OF MASONRY OR FINISHED FACE OF STUD PARTITION. UNLESS OTHERWISE NOTED. THICKNESSES OF MASONRY BASED ON NOMINAL SIZES. ALL DIMENSIONS SHOWN FOR EXISTING CONSTRUCTION ARE APPROXIMATE. 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 DISCREPANCIES 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 ITEMS 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.

REFLECTED CEILING PLAN GENERAL NOTES

1. REFER TO THE FLOOR PLANS AND ELEVATOR SECTIONS FOR ADDITIONAL INFORMATION.
2. REFER TO ELECTRICAL LIGHTING PLANS FOR WALL MOUNTED FIXTURES NOT INDICATED.
3. REFER TO THE ELEC AND MECH DRAWINGS FOR CEILING MOUNTED FIXTURE TYPES AND DIFFUSER LOCATIONS. NOTIFY THE ARCHITECT PRIOR TO THE INSTALLATION OF CONFLICTS WITH LOCATIONS INDICATED ON THE DRAWINGS. ADDITIONAL FIXTURES OR OTHER CEILING AMTERIALS NOT SHOWN ON THE REFLECTED CEILING PLANS BUT ON THE ELECTRICAL OR MECHANICAL DRAWINGS ARE INCLUDED IN THE BASE BID.
4. SUPPLY AND DIFFUSER GRILLES ARE INDICATED DIAGRAMATICALLY IN THE REFLECTED CEILING PLANS FOR LOCATION ONLY. REFER TO THE MECH DRAWINGS FOR ACTUAL SIZE AND TYPE TO BE PROVIDED.
5. PAINT ALL GWB CEILING WITH COLOR(S) INDICATED IN THE FINISH SCHEDULE.
6. DIMENSIONS AND SPOT ELEVATIONS INDICATED ON THE REFLECTED CEILING PLANS ARE TO THE FACE OF GWB OR ACT GRID.

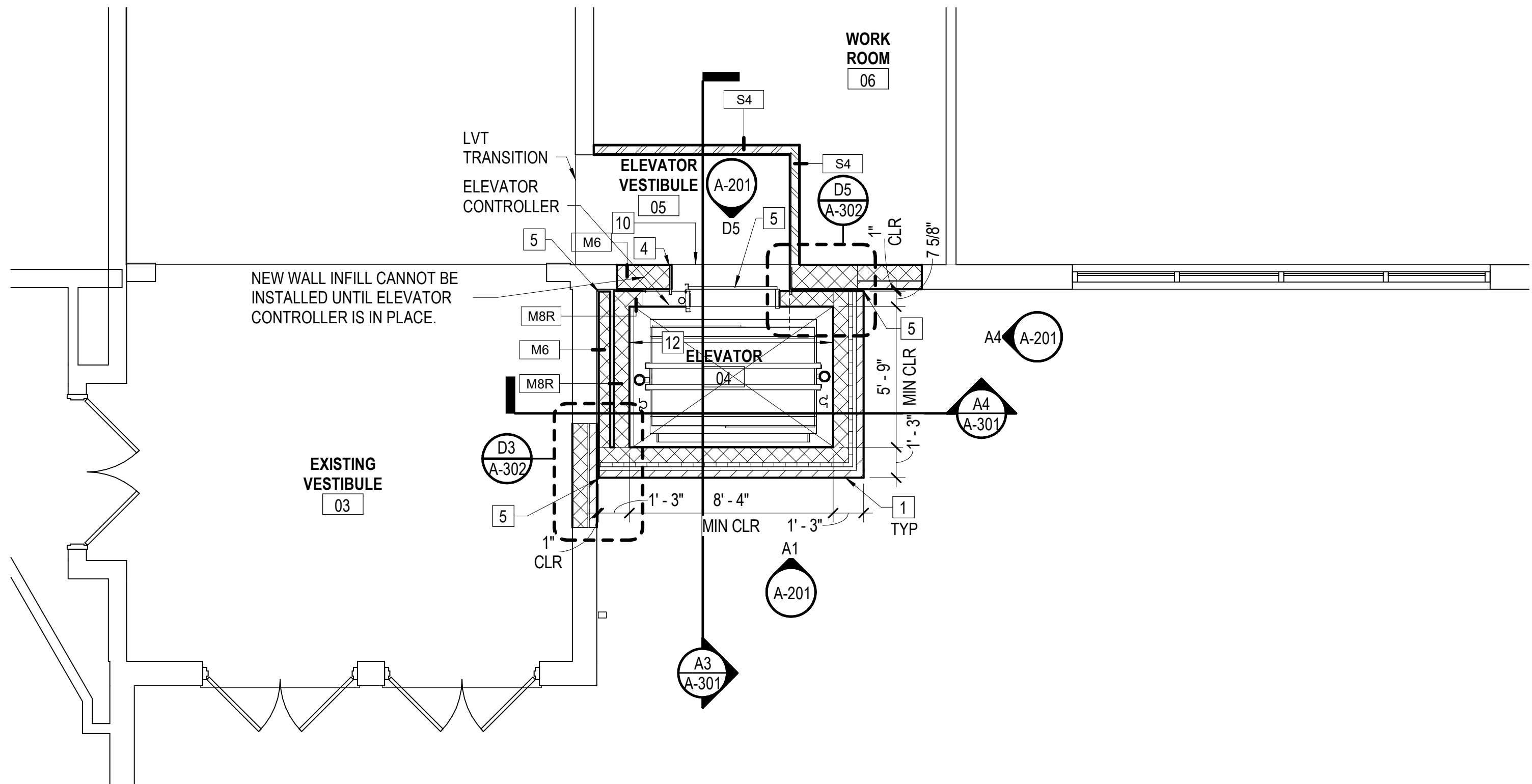
1 FLOOR PLAN KEY NOTES

1. FACE BRICK TO MATCH EXISTING; NEW BRICK SHALL BE TOOTHED INTO EXISTING TO ESTABLISH CLEAN AND ASCETICALLY PLEASING TRANSITION.
2. INFILL WINDOW OPENING FROM SELECTION 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 WINDOW 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 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 UNDERGROUND 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 CMU AFTER ELEVATOR COMPONENTS ARE INSTALLED. COORDINATE WITH ELEVATOR MFR.
12. PROVIDE 8'-4" W X 8'-4" H MASONRY OPENING FOR ELEVATOR EQUIPMENT, INFILL WITH CMU AFTER ELEVATOR COMPONENTS ARE INSTALLED. COORDINATE WITH ELEVATOR MFR. ADAJCENT TO CONTROLLER PANEL..



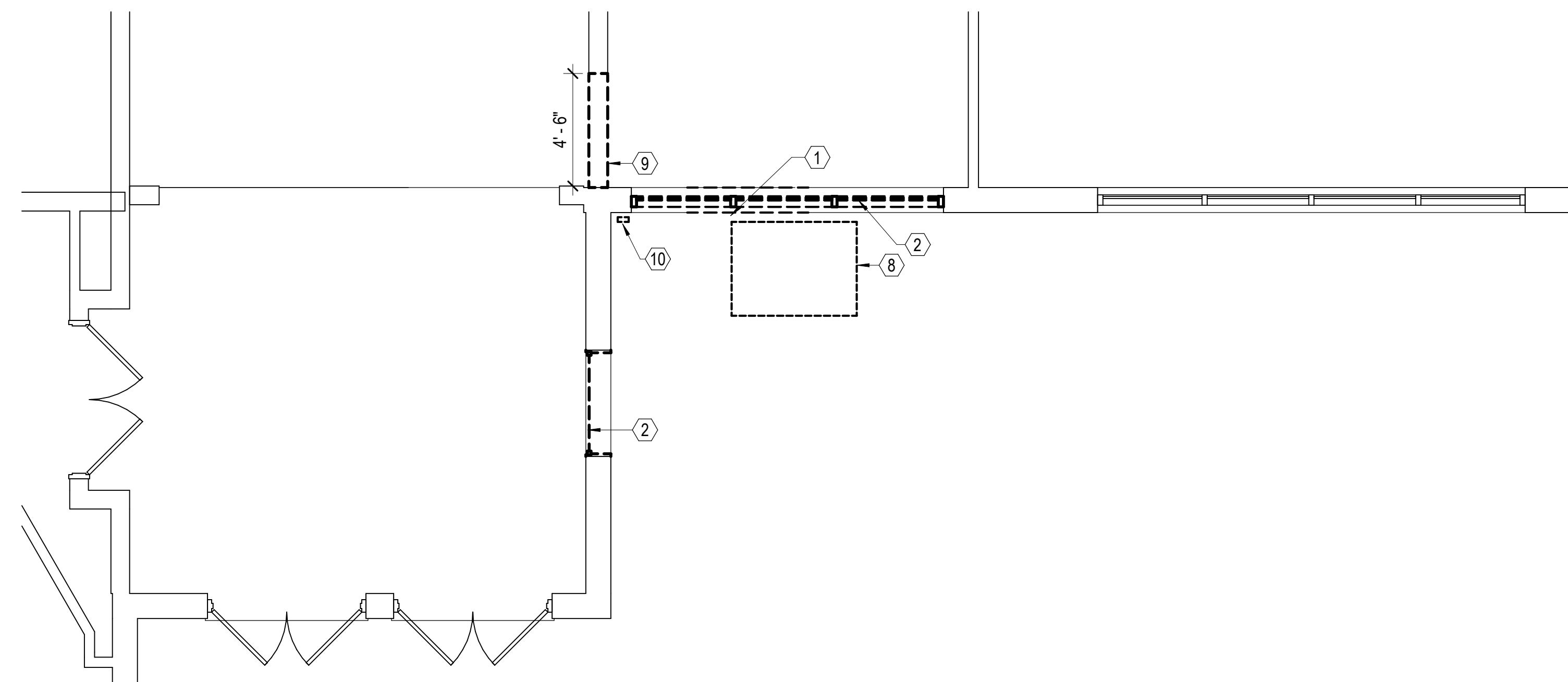
A4 FIRST FLOOR REFLECTED CEILING PLAN

A-102 SCALE: 1/4" = 1'-0"



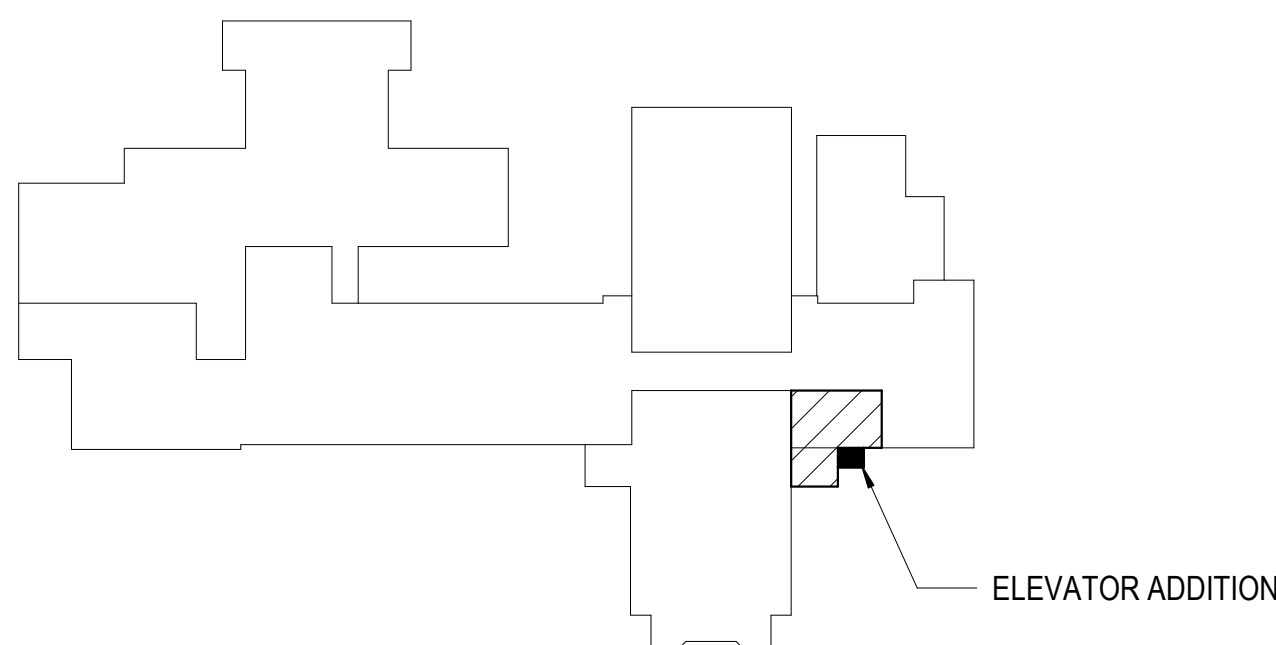
B4 FIRST FLOOR PLAN

A-102 SCALE: 1/4" = 1'-0"



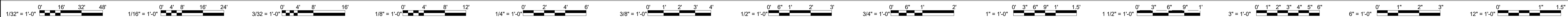
D4 FIRST FLOOR DEMOLITION PLAN

A-102 SCALE: 1/4" = 1'-0"



KEY PLAN

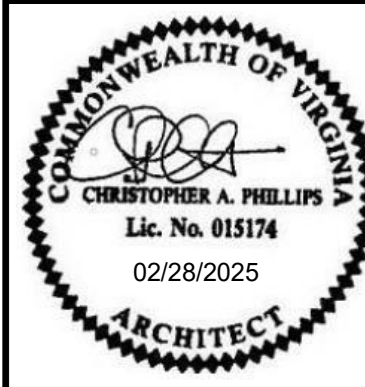
NOT TO SCALE



DESCRIPTION
BY
MARK
DATE
REVISIONS

DATE	PROJECT	DESIGNED	DRAWN	CHECKED	ACG
02.28.25	21195-17	RRMM	RRMM		

RRMM
ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212



PROJECT **HENRY COUNTY PUBLIC SCHOOLS**
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112

DRAWING **FIRST FLOOR PLANS**

SHEET
A-102

ⓧ DEMOLITION PLAN KEY NOTES

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 ALUM STOREFRONT WINDOW AND FRAME COMPLETE.
3. REMOVE DOWNSPOUT AND CONNECTION TO STORM WATER. - REF PLBG DWGS.
4. REMOVE PORTION OF EXISTING CONCRETE WALL AND HANDRAIL.
5. REMOVE LENGTH OF EXISTING GUTTER AND FASCIA BOARD AS NECESSARY TO ACCOMMODATE NEW ELEVATOR SHAFT.
6. REMOVE EXISTING WALL MOUNTED HVAC UNIT. REF MECH DWGS.
7. 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.
8. REMOVE EXISTING CONC AREAWAY, STEEL GRATE, AND DRAIN. REF MECH DWGS.
9. REMOVE PORTION OF MASONRY INTERIOR WALL AND PREPARE EXISTING SURFACES FOR NEW WORK.
10. REMOVE EXISTING ELEC JUNCTION BOX. REF ELEC DWGS.
11. REMOVE EXIST SIGNAGE AND COORDINATE REPLACEMENT WITH OWNER.
12. REMOVE EXISTING WALL MOUNTED HVAC UNIT AND LOUVER, REF MECH DWGS.

WALL TYPES (REFER TO SHEET A-001)

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 ITEMS 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.

REFLECTED CEILING PLAN GENERAL NOTES

1. REFER TO THE FLOOR PLANS AND ELEVATOR SECTIONS FOR ADDITIONAL INFORMATION.
2. REFER TO ELECTRICAL LIGHTING PLANS FOR WALL MOUNTED FIXTURES NOT INDICATED.
3. REFER TO THE ELEC AND MECH DRAWINGS FOR CEILING MOUNTED FIXTURE TYPES AND DIFFUSER LOCATIONS. NOTIFY THE ARCHITECT PRIOR TO THE INSTALLATION OF CONFLICTS WITH LOCATIONS INDICATED ON THE DRAWINGS. ADDITIONAL FIXTURES OR OTHER CEILING AMTERIALS NOT SHOWN ON THE REFLECTED CEILING PLANS BUT ON THE ELECTRICAL OR MECHANICAL DRAWINGS ARE INCLUDED IN THE BASE BID.
4. SUPPLY AND DIFFUSER GRILLES ARE INDICATED DIAGRAMMATICALLY IN THE REFLECTED CEILING PLANS FOR LOCATION ONLY. REFER TO THE MECH DRAWINGS FOR ACTUAL SIZE AND TYPE TO BE PROVIDED.
5. PAINT ALL GWB CEILING WITH COLOR(S) INDICATED IN THE FINISH SCHEDULE.
6. DIMENSIONS AND SPOT ELEVATIONS INDICATED ON THE REFLECTED CEILING PLANS ARE TO THE FACE OF GWB OR ACT GRID.

GENERAL 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 REQUIRED BY ELEVATOR MANUF TO ACCOMMODATE ELEVATOR CONTROL PANEL INSTALLATION.
3. REFER TO CIVIL DWG FOR EXTENT OF SIDEWALK REPLACEMENT AT BASEMENT LEVEL EXTERIOR OPENING 101.

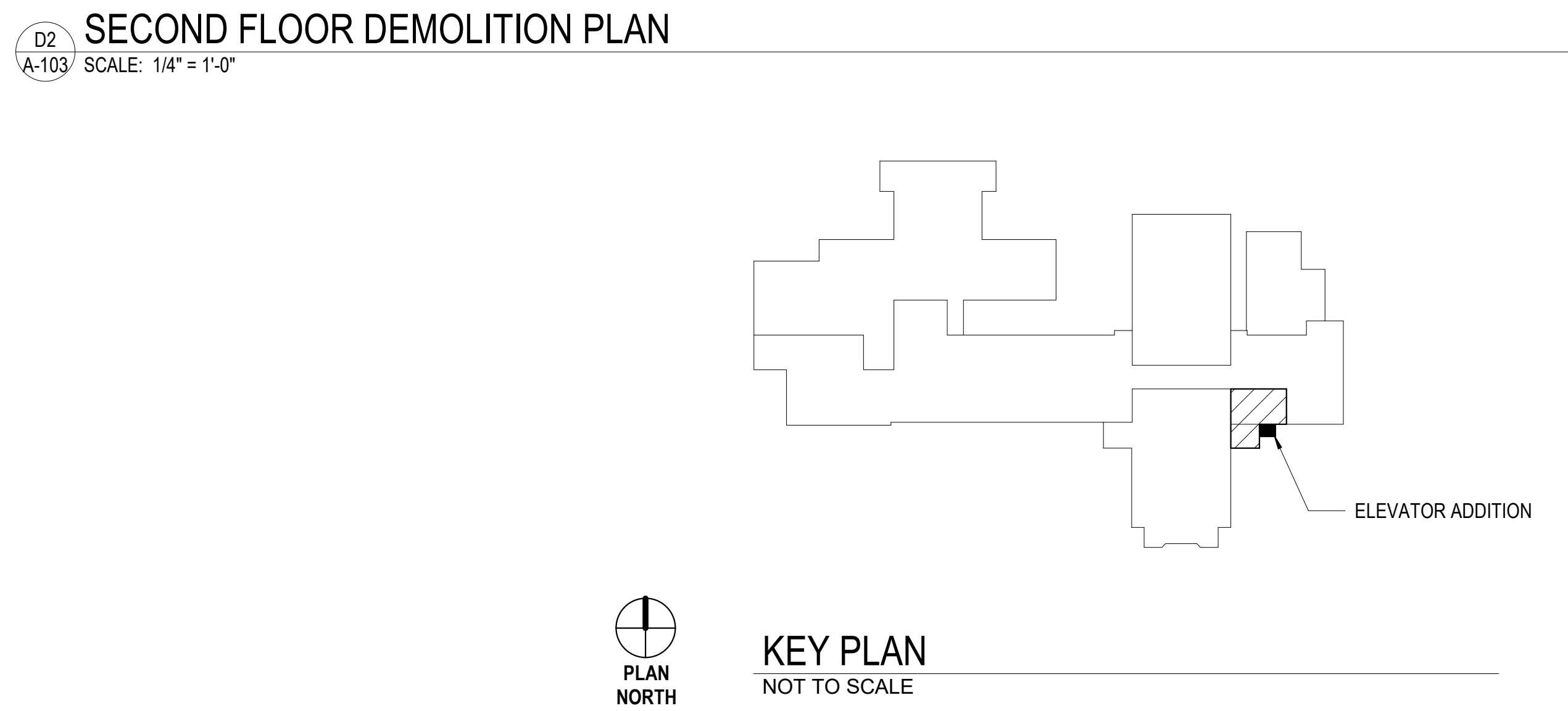
DEMOLITION LEGEND

- EXISTING WALL AND/OR DOOR TO BE DEMOLISHED OR REMOVED
- EXISTING WINDOW TO BE REMOVED
- EXISTING WALL, WINDOW, AND/OR DOOR TO REMAIN

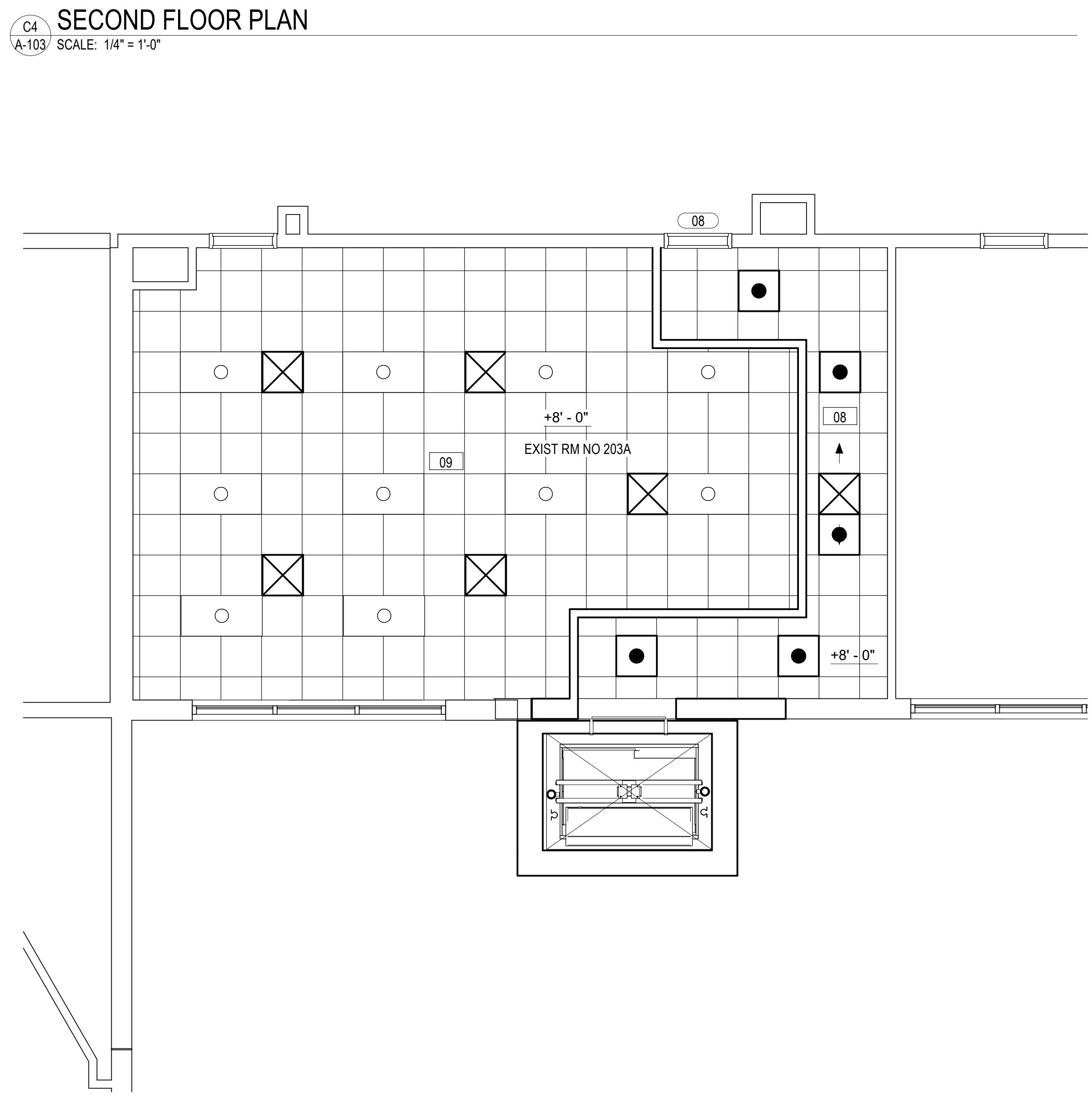
1 FLOOR PLAN KEY NOTES

1. FACE BRICK TO MATCH EXISTING; NEW BRICK SHALL BE TOOTHED INTO EXISTING TO ESTABLISH CLEAN AND ASCETICALLY PLEASING TRANSITION.
2. INFILL WINDOW OPENING FROM SELECTION 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 WINDOW 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 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 UNDERGROUND 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 CMU AFTER ELEVATOR COMPONENTS ARE INSTALLED. COORDINATE WITH ELEVATOR MFR.
12. PROVIDE 8'-4" W X 8'-4" H MASONRY OPENING FOR ELEVATOR EQUIPMENT. INFILL WITH CMU AFTER ELEVATOR COMPONENTS ARE INSTALLED. COORDINATE WITH ELEVATOR MFR. ADJACENT TO CONTROLLER PANEL.

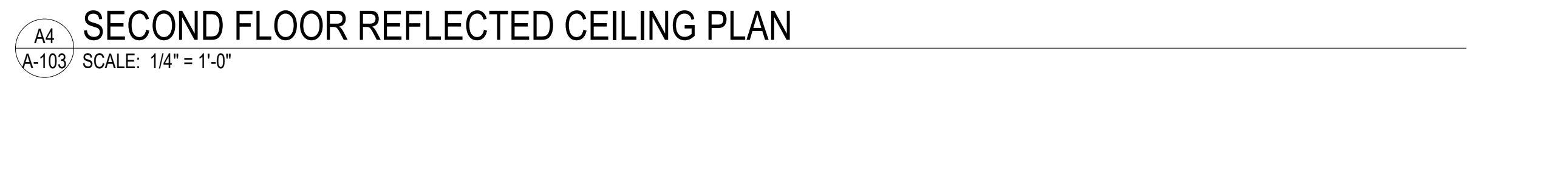
D2
A-103
SCALE: 1/4" = 1'-0"



C4
A-103
SCALE: 1/4" = 1'-0"



A4
A-103
SCALE: 1/4" = 1'-0"



DESCRIPTION	BY	MARK	DATE	REVISIONS

--	--	--	--	--

DATE	02.28.25	PROJECT	21195-17	DESIGNED	RRMM	DRAWN	RRMM	CHECKED	ACG
------	----------	---------	----------	----------	------	-------	------	---------	-----

RRMM ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212

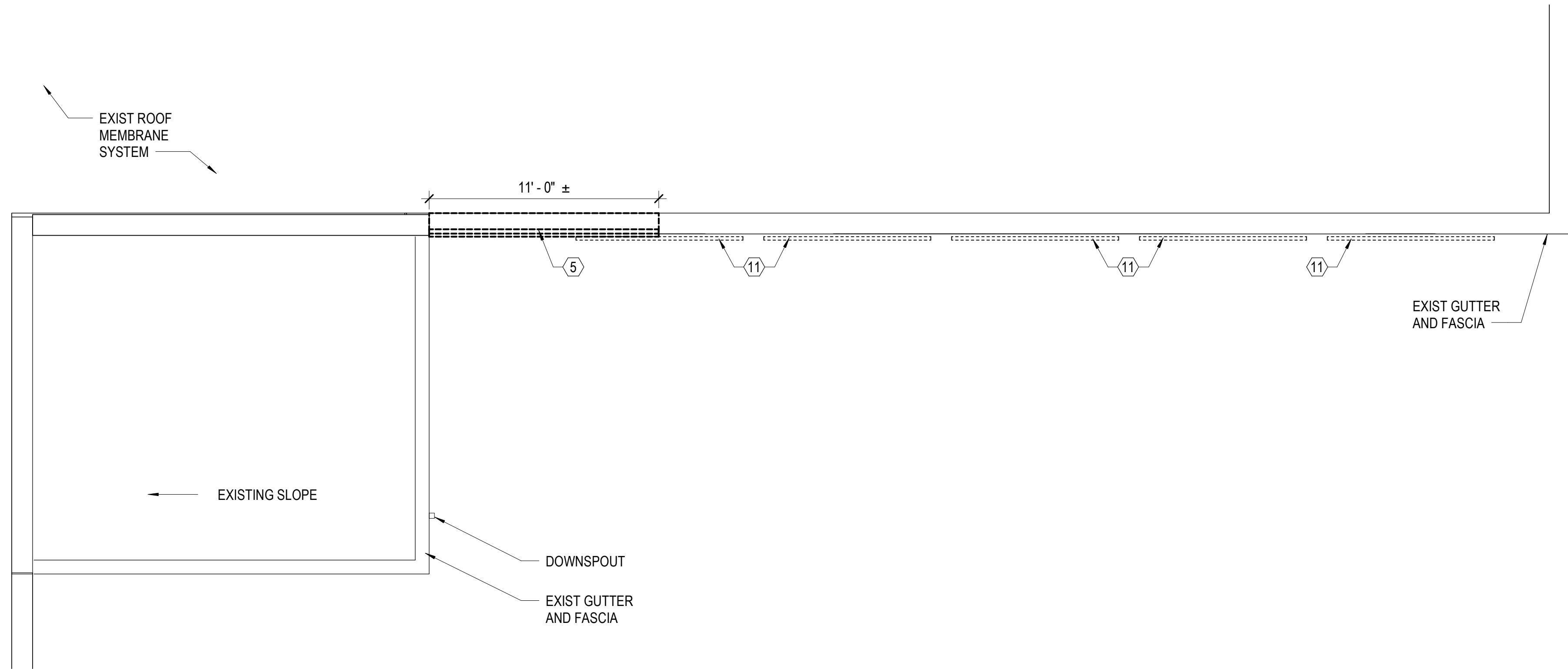


PROJECT
HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112

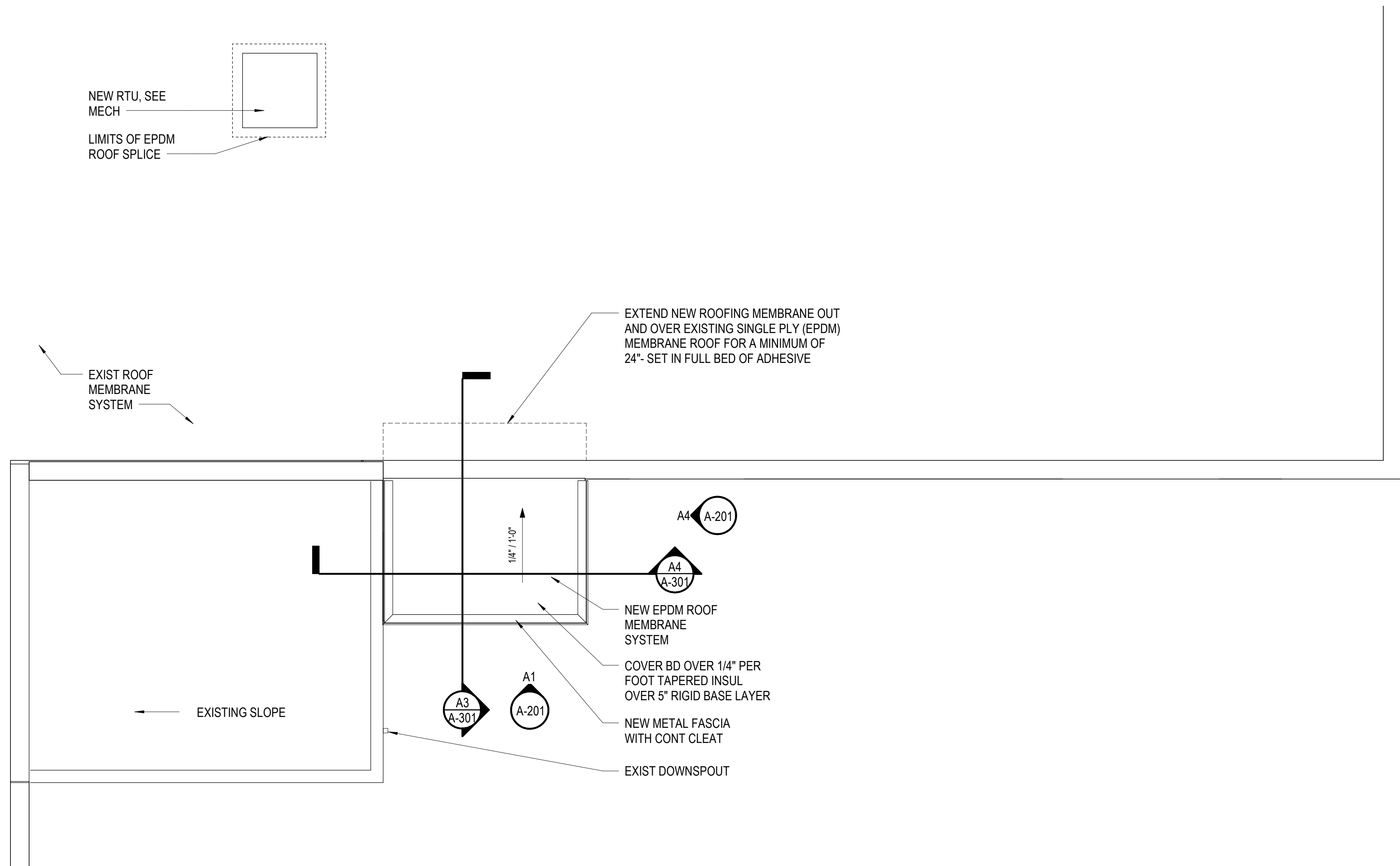
DRAWING
SECOND FLOOR PLANS

SHEET
A-103

2/21/2025 2:30:25 PM Autodesk Docs\\21195-17 HOPS GW Carver ES Elevator\\21195-17 04 GW Carver ES Elevator - ARCH.rvt



B3
A-104
SCALE: 1/4" = 1'-0"



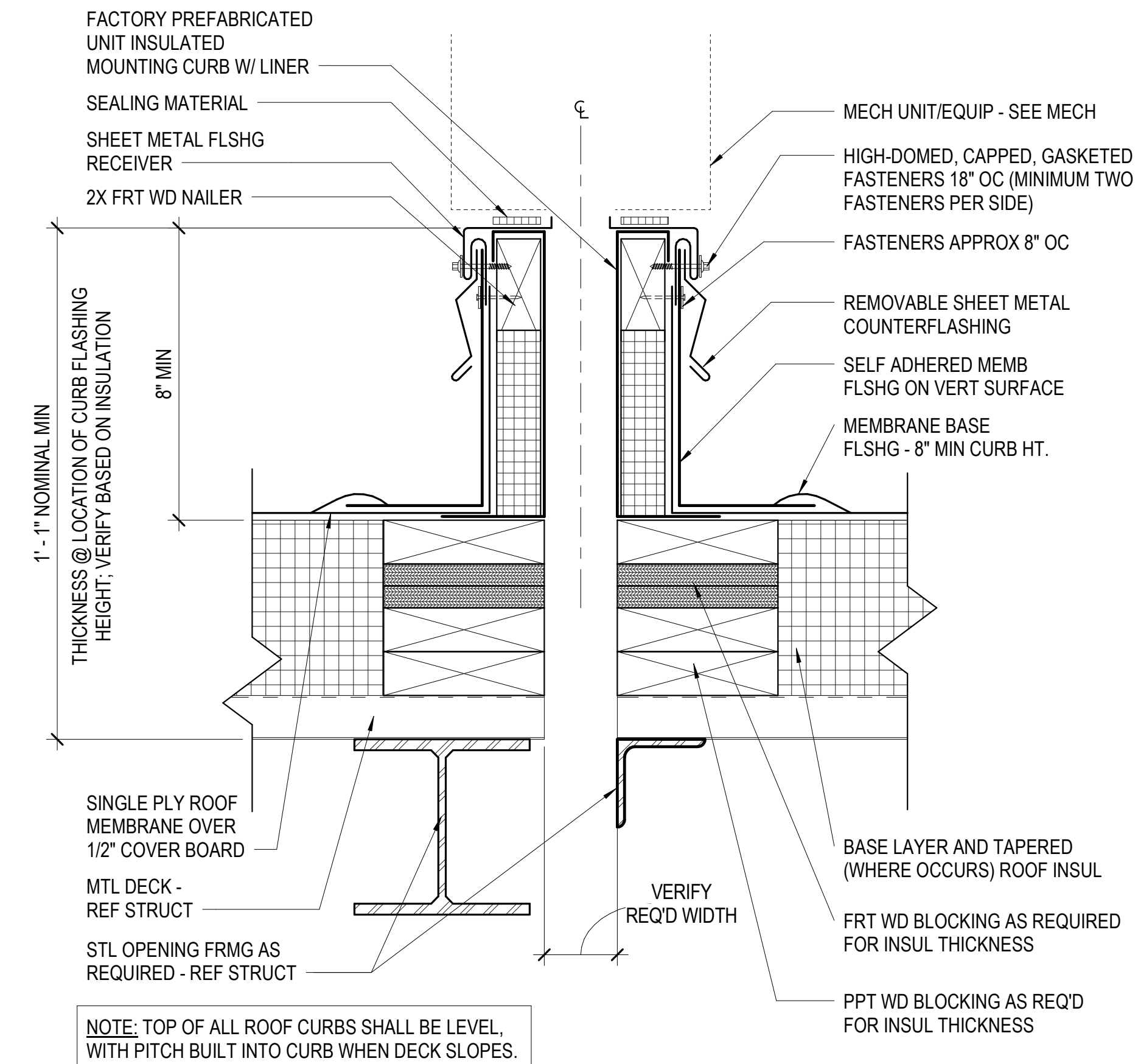
D3
A-104
SCALE: 1/4" = 1'-0"

ROOF PLAN GENERAL 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.

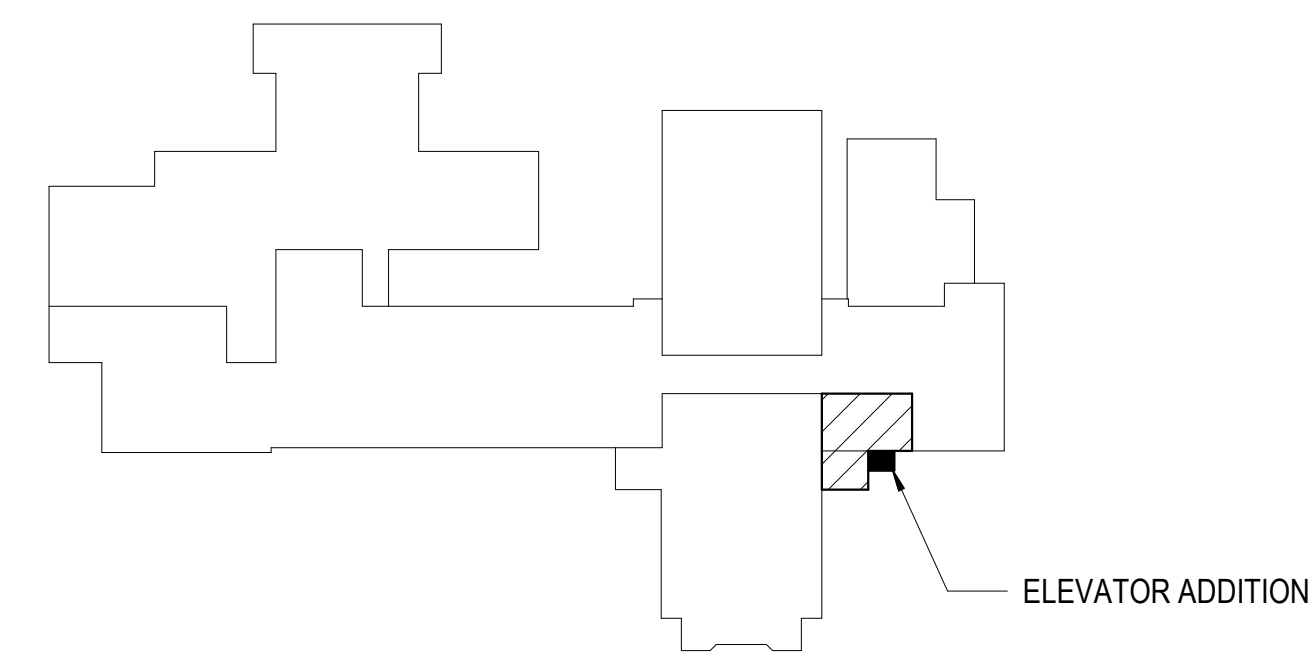
DEMOLITION PLAN KEY NOTES

1. SAWCUT AND REMOVE PORTION OF EXTERIOR BRICK AND CMU INFILL FOR EXTENT AS INDICATED. LOCATE NEAREST MORTAR J.T. COORDINATE W/ NEW WORK REQUIREMENTS. PATCH AND REPAIR ADJACENT WALLS AND FLOORS TO REMAIN. PREPARE EXISTING SURFACES FOR NEW WORK.
2. REMOVE ALUM STOREFRONT WINDOW AND FRAME COMPLETE.
3. REMOVE DOWNSPOUT AND CONNECTION TO STORM WATER - REF PLBG DWGS.
4. REMOVE PORTION OF EXISTING CONCRETE WALL AND HANDRAIL.
5. REMOVE LENGTH OF EXISTING GUTTER AND FASCIA BOARD AS NECESSARY TO ACCOMMODATE NEW ELEVATOR SHAFT.
6. REMOVE EXISTING WALL MOUNTED HVAC UNIT. REF MECH DWGS.
7. SAWCUT AND REMOVE PORTION OF EXTERIOR BRICK AND CMU INFILL FOR EXTENT AS INDICATED. LOCATE NEAREST MORTAR J.T. COORDINATE W/ NEW WORK REQUIREMENTS. PATCH AND REPAIR ADJACENT WALLS AND FLOORS TO REMAIN. PREPARE EXISTING SURFACES FOR NEW WORK.
8. REMOVE EXISTING CONC AREAWAY, STEEL GRATE, AND DRAIN. REF MECH DWGS.
9. REMOVE PORTION OF MASONRY INTERIOR WALL AND PREPARE EXISTING SURFACES FOR NEW WORK.
10. REMOVE EXISTING ELEC JUNCTION BOX. REF ELEC DWGS.
11. REMOVE EXIST SIGNAGE AND COORDINATE REPLACEMENT WITH OWNER.
12. REMOVE EXISTING WALL MOUNTED HVAC UNIT AND LOUVER, REF MECH DWGS.



ROOF CURB DETAIL

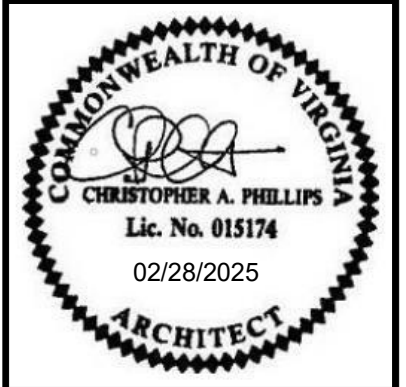
D4
A-104
SCALE: 3" = 1'-0"



PLAN
NORTH
KEY PLAN
NOT TO SCALE

DESCRIPTION	BY	MARK	DATE	REVISIONS

DATE	PROJECT	DESIGNED	DRAWN	CHECKED	ACG
02/28/25	21195-17	RRMM	RRMM		

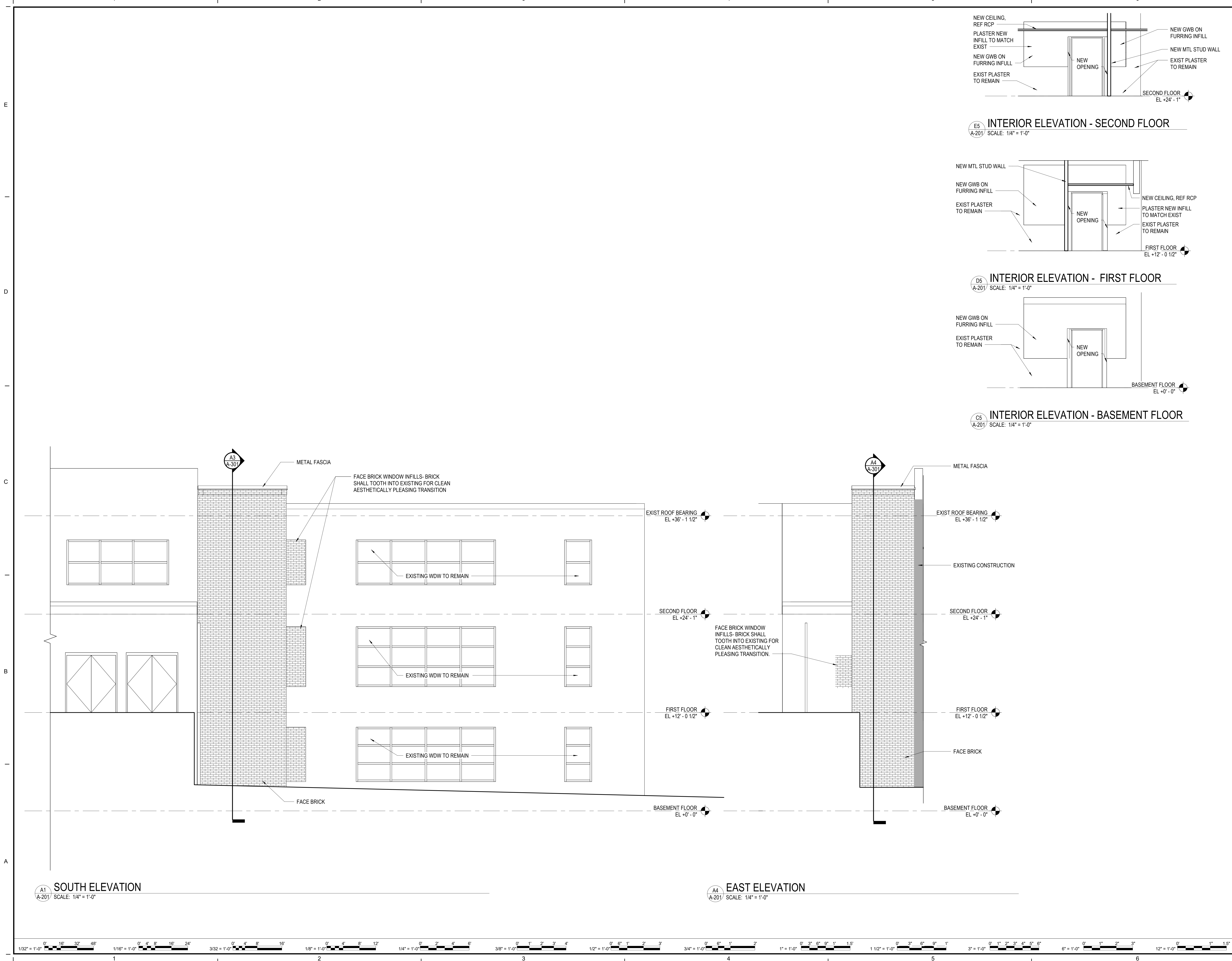


PROJECT HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112
DRAWING ROOF PLANS AND DETAILS

SHEET

A-104

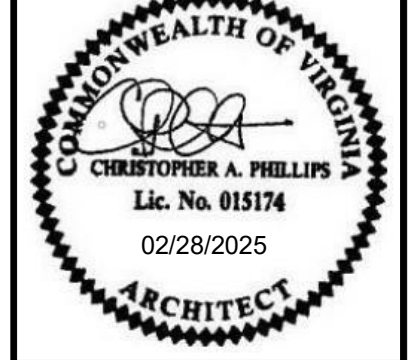
2/21/2025 2:30:25 PM Autodesk Docs/21195-17 HOPS GW Carver ES Elevator/21195-17 04 GW Carver ES Elevator - ARCH.rvt



DESCRIPTION
BY
MARK
DATE
REVISIONS

02.28.25	21195-17	RRMM	RRMM	ACG
DATE	PROJECT	DESIGNED	DRAWN	CHECKED

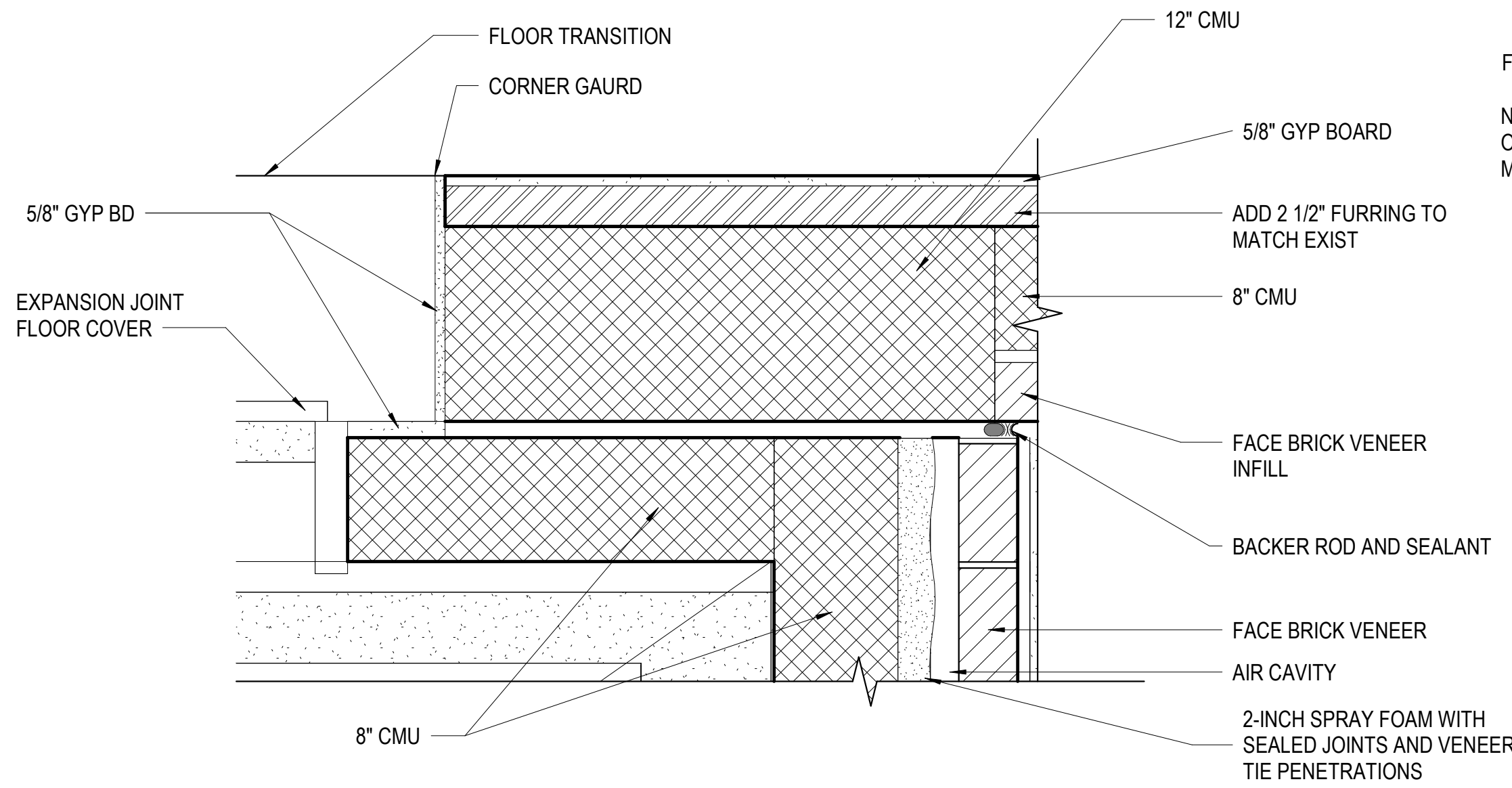
02.28.25	21195-17	RRMM	RRMM	ACG
DATE	PROJECT	DESIGNED	DRAWN	CHECKED



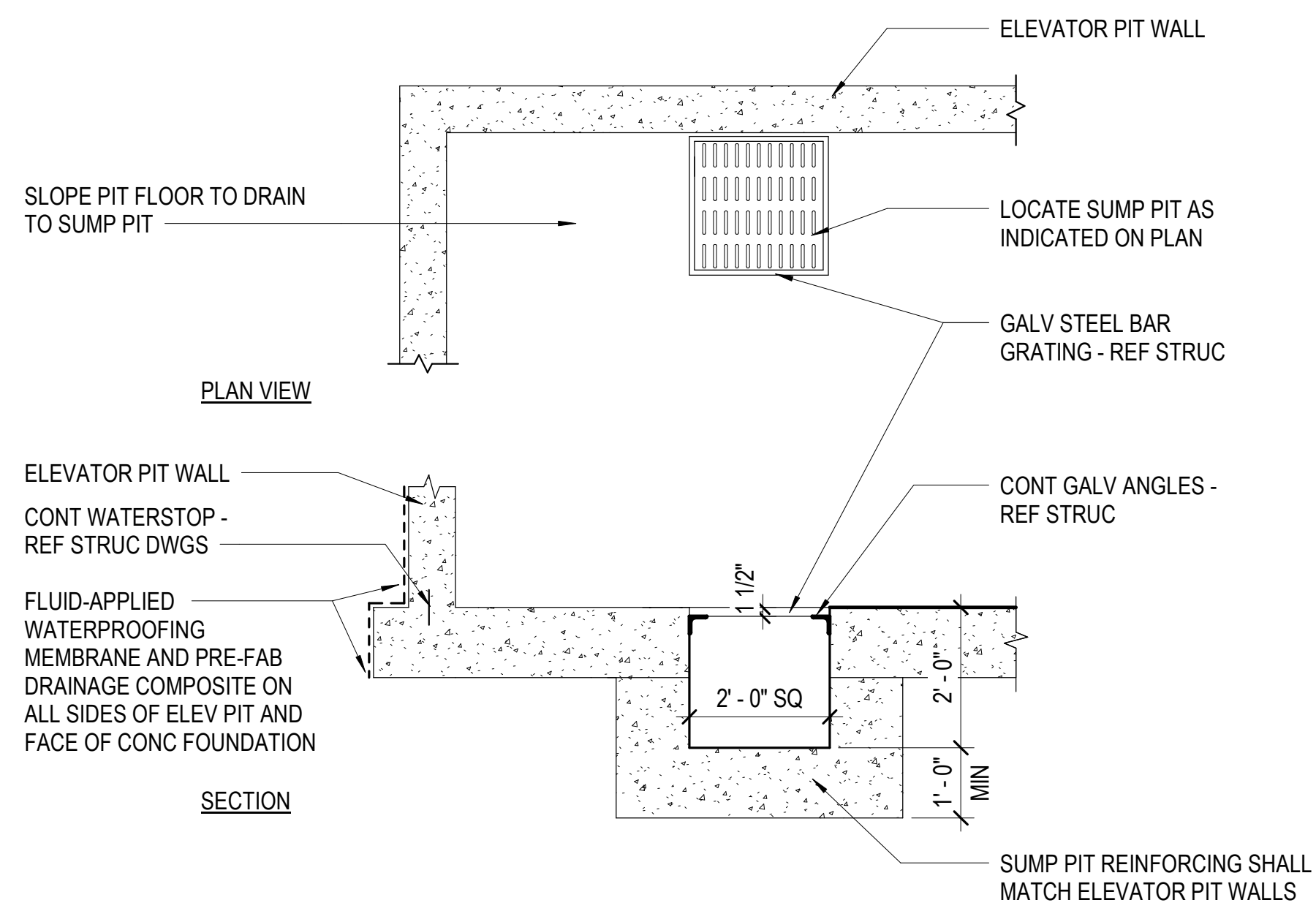
PROJECT	HENRY COUNTY PUBLIC SCHOOLS
DRAWING	GW CARVER E.S. ELEVATOR ADDITION
	220 TROTT CIRCLE
	MARTINSVILLE, VA 24112
	EXTERIOR AND INTERIOR ELEVATIONS

SHEET
A-201

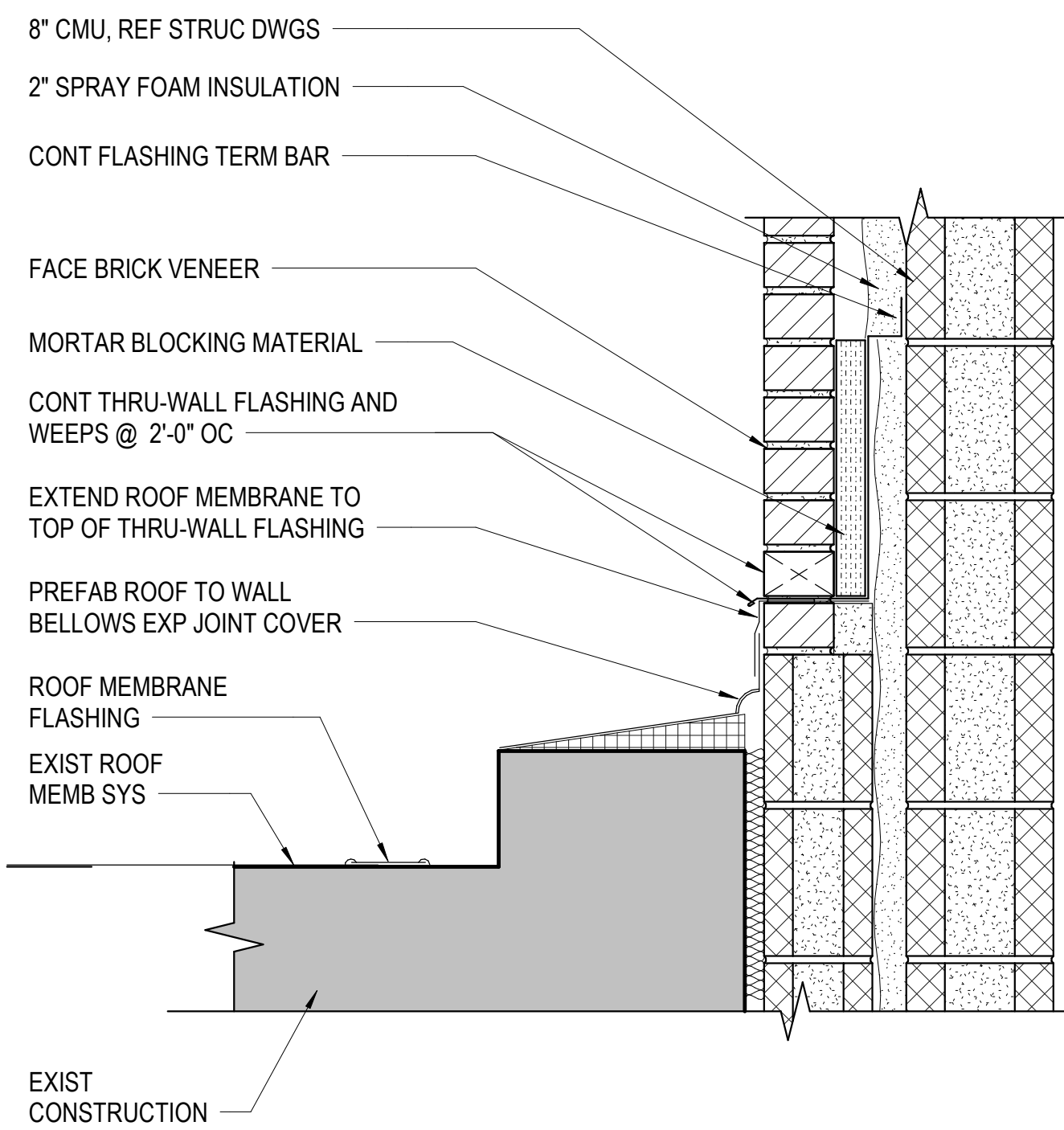
[illegible]



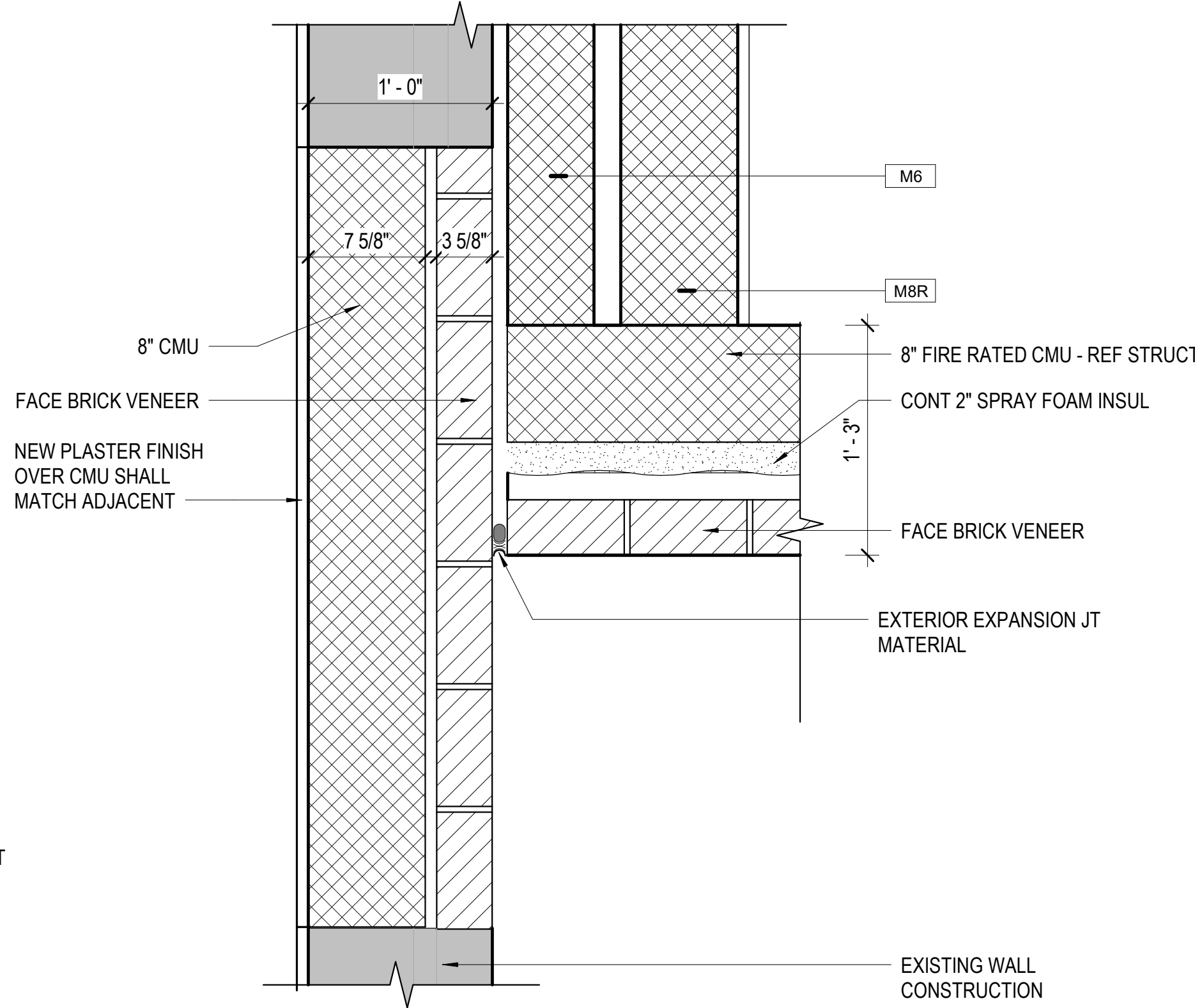
D2
A-302 ENLARGE PLAN
SCALE: 1 1/2" = 1'-0"



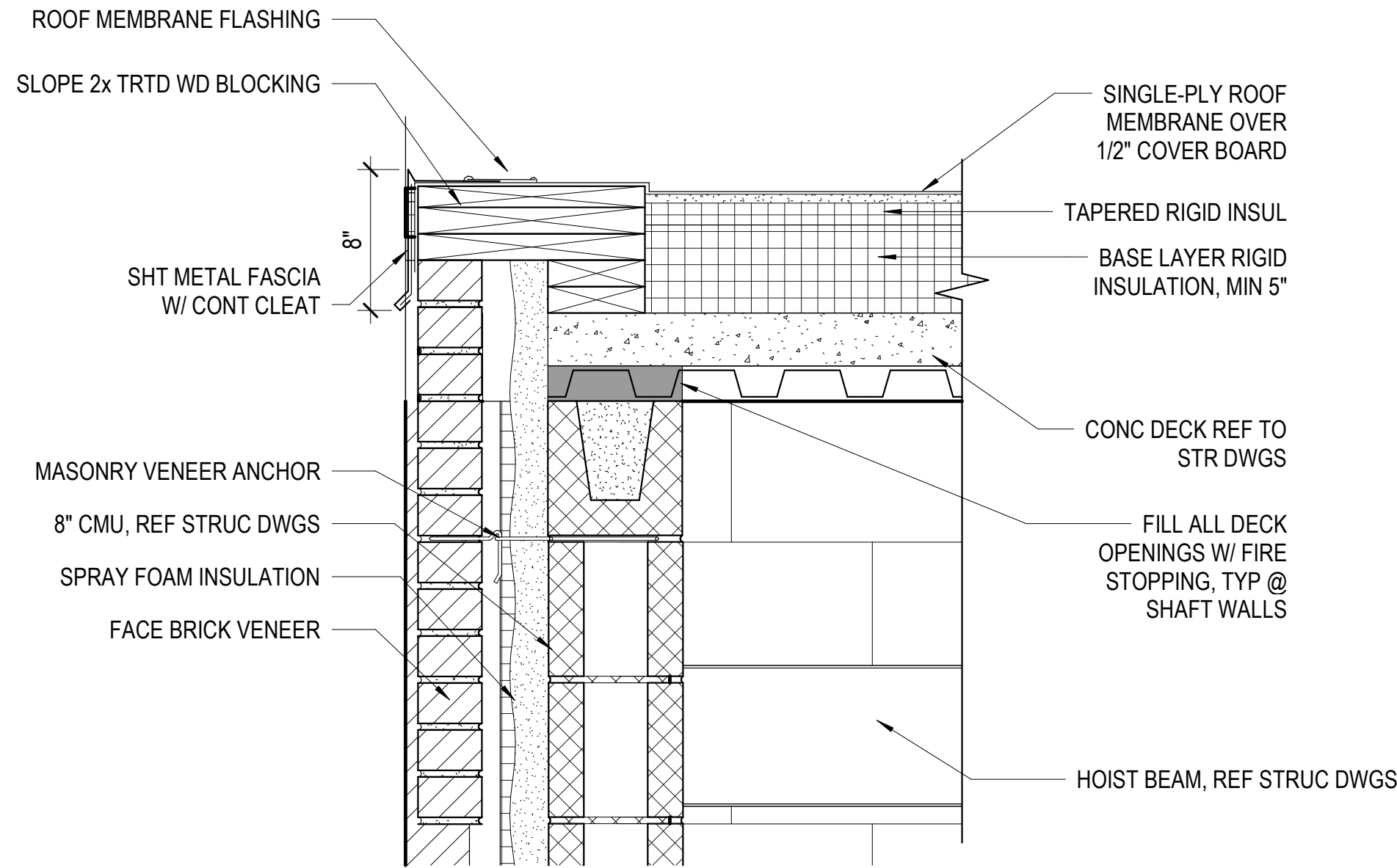
C2
A-302 SUMP PIT
SCALE: 1/2" = 1'-0"



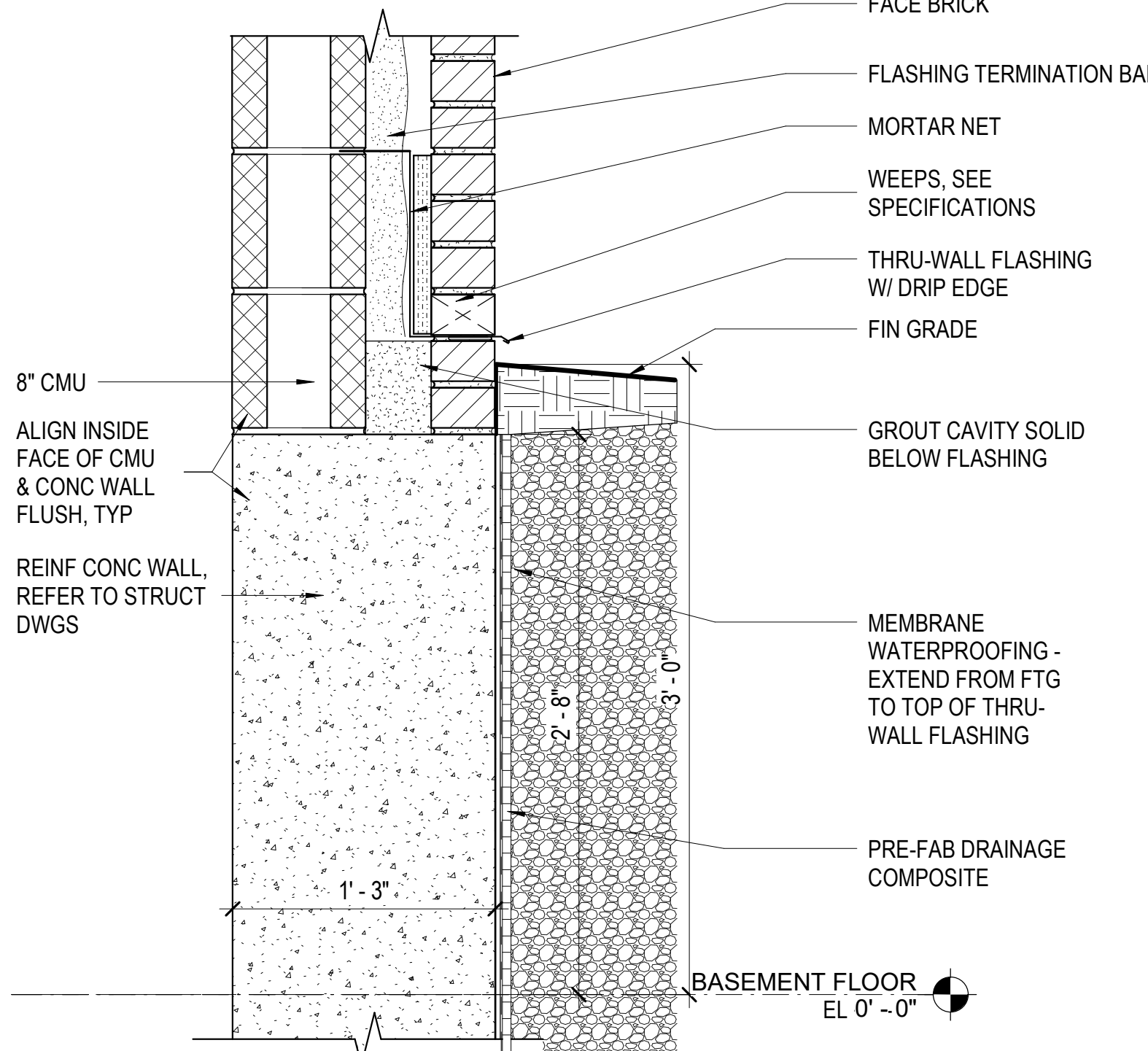
A2
A-302 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



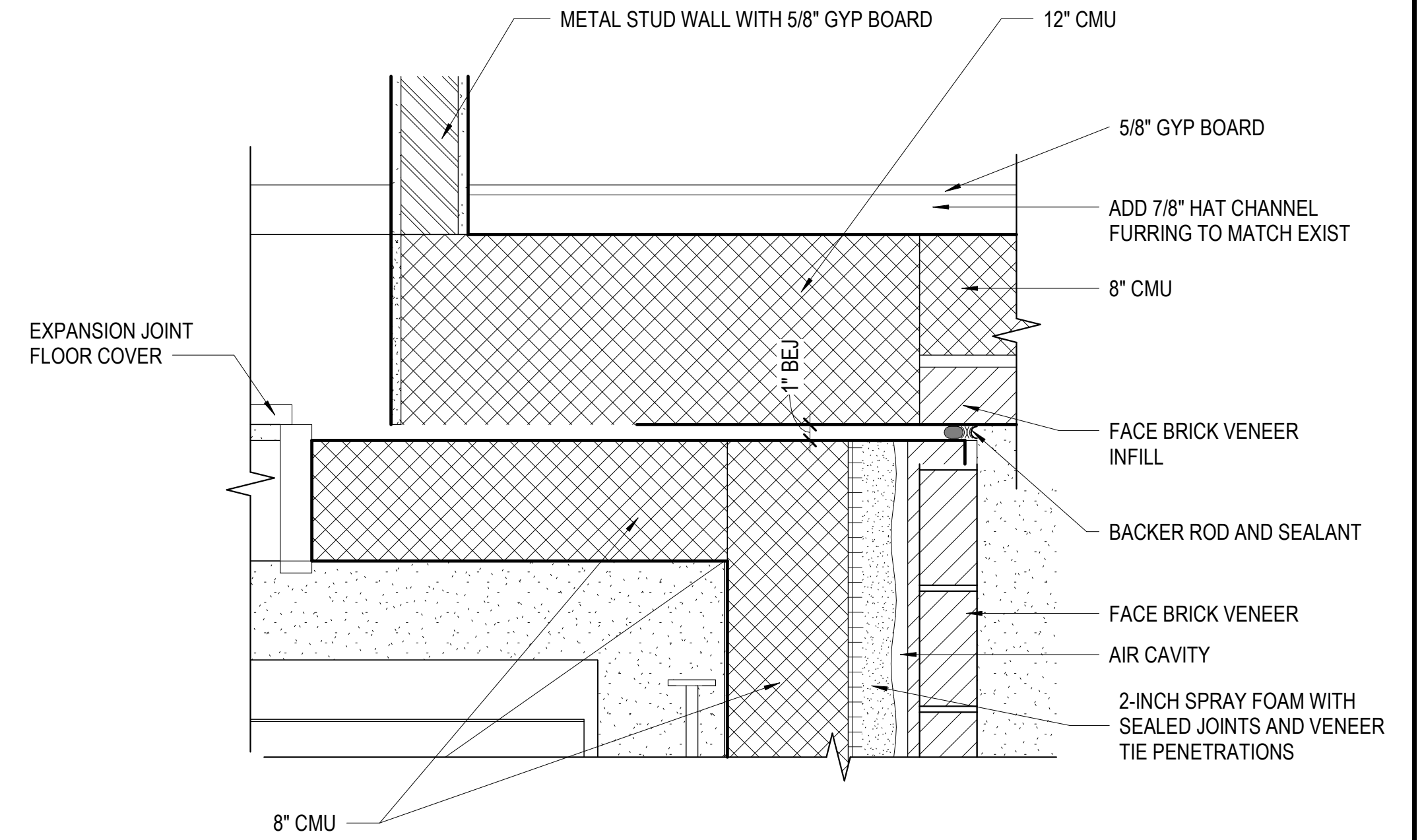
D3
A-302 ENLARGED PLAN
SCALE: 1 1/2" = 1'-0"



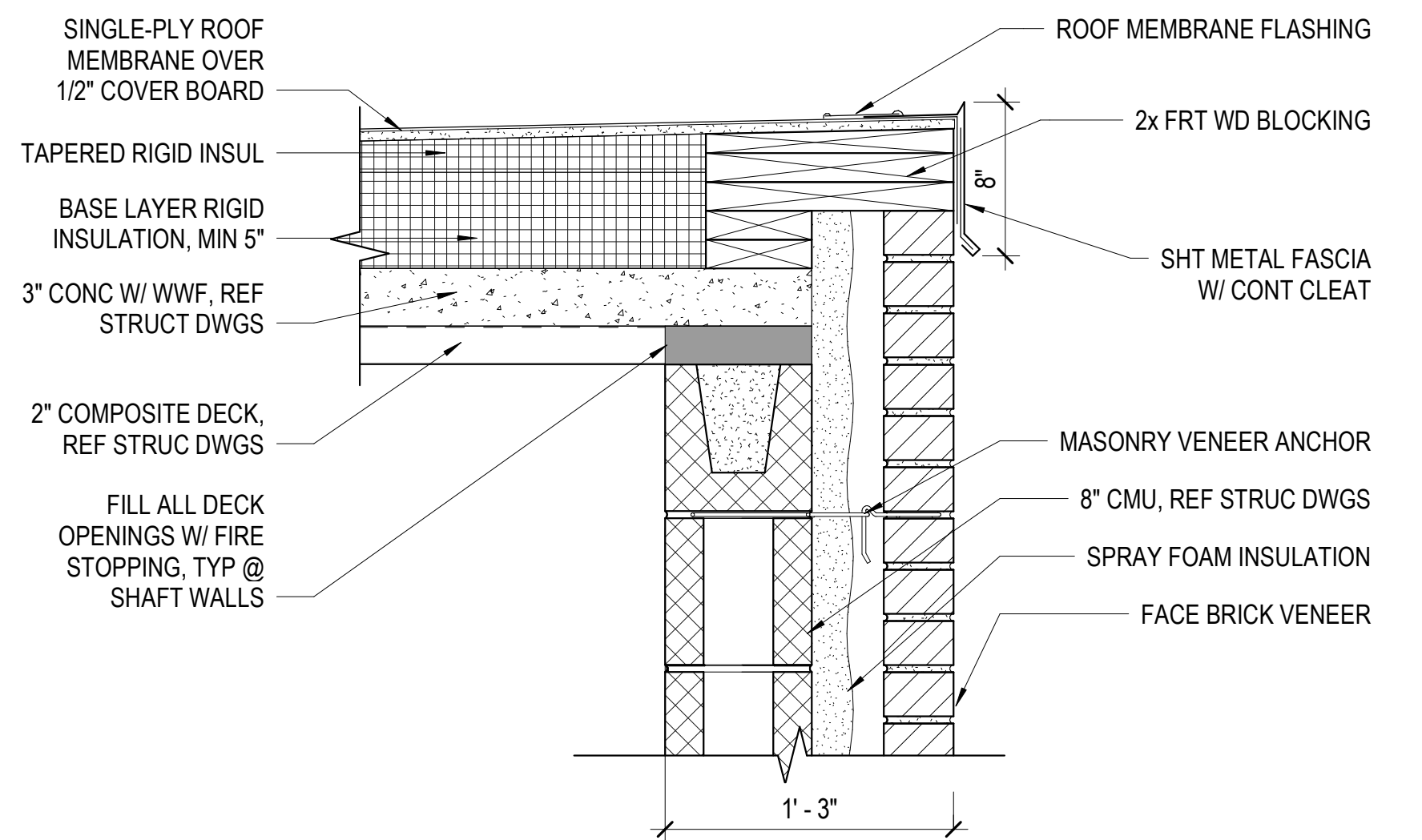
C3
A-302 ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



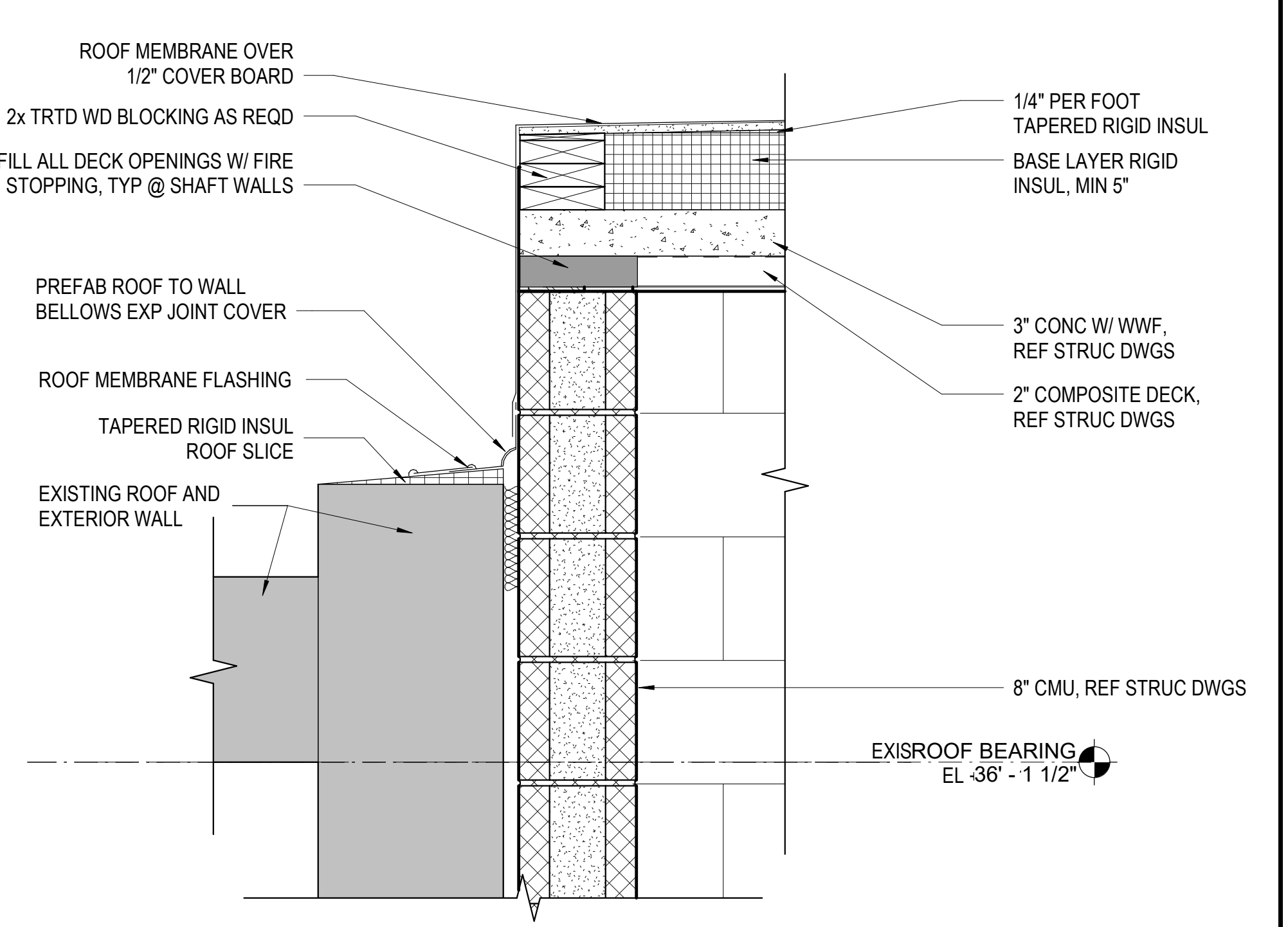
A3
A-302 WALL BASE DETAIL
SCALE: 1 1/2" = 1'-0"



D5
A-302 METAL STUD/CMU TRANSITION
SCALE: 1 1/2" = 1'-0"



C5
A-302 ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



A5
A-302 ROOF DETAIL
SCALE: 1 1/2" = 1'-0"

DESCRIPTION
BY
MARK
DATE
REVISIONS

DATE	PROJECT	DESIGNED	DRAWN	CHECKED	ACG
02/28/25	21195-17	RRMM	RRMM		

02/28/25	21195-17	RRMM	RRMM		
----------	----------	------	------	--	--

RRMM ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540)344-1212



PROJECT
HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112

DRAWING
DETAILS

SHEET
A-302

2/27/2025 10:36:03 AM Autodesk Docs/2/1195-17 HCPS GW Carver ES Elevator/24101-65 HCPS GW Carver ES Elevator - PLUMB - P-101.dwg

E

D

D

C

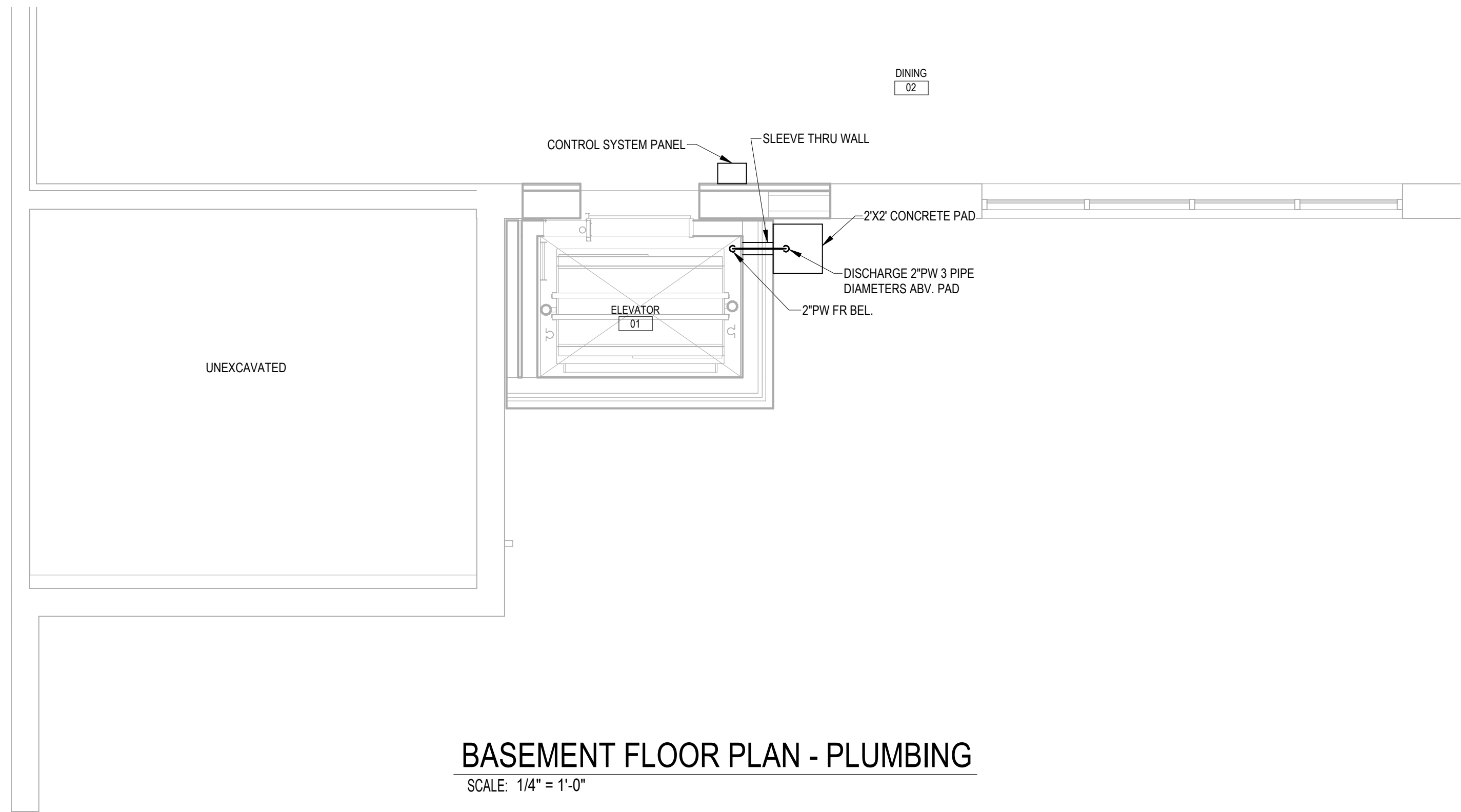
C

B

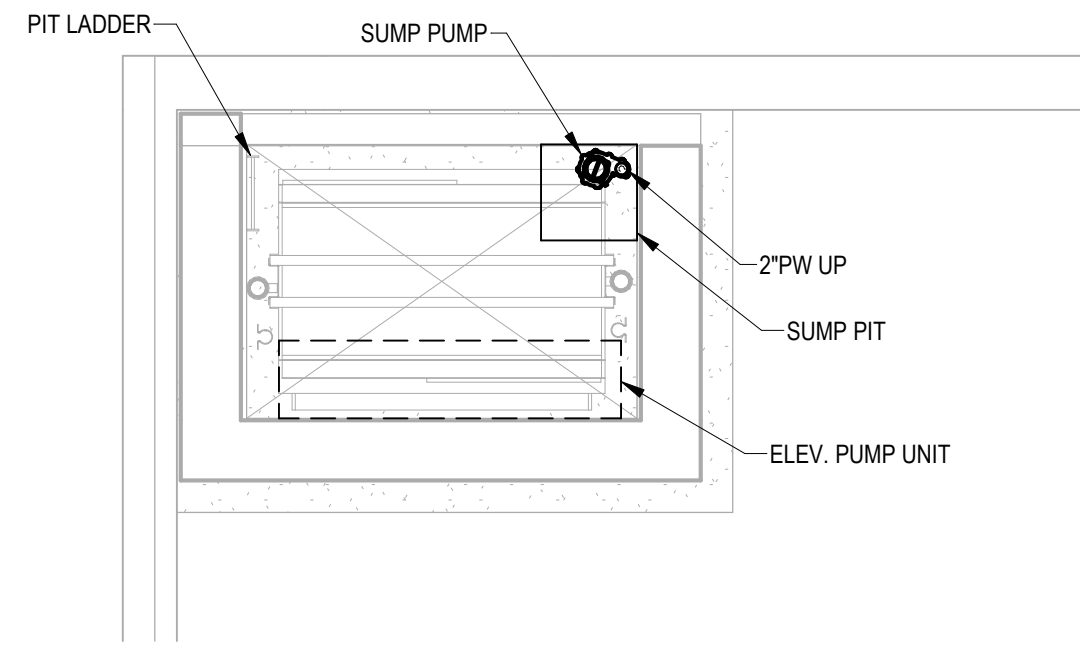
B

A

A



BASEMENT FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"



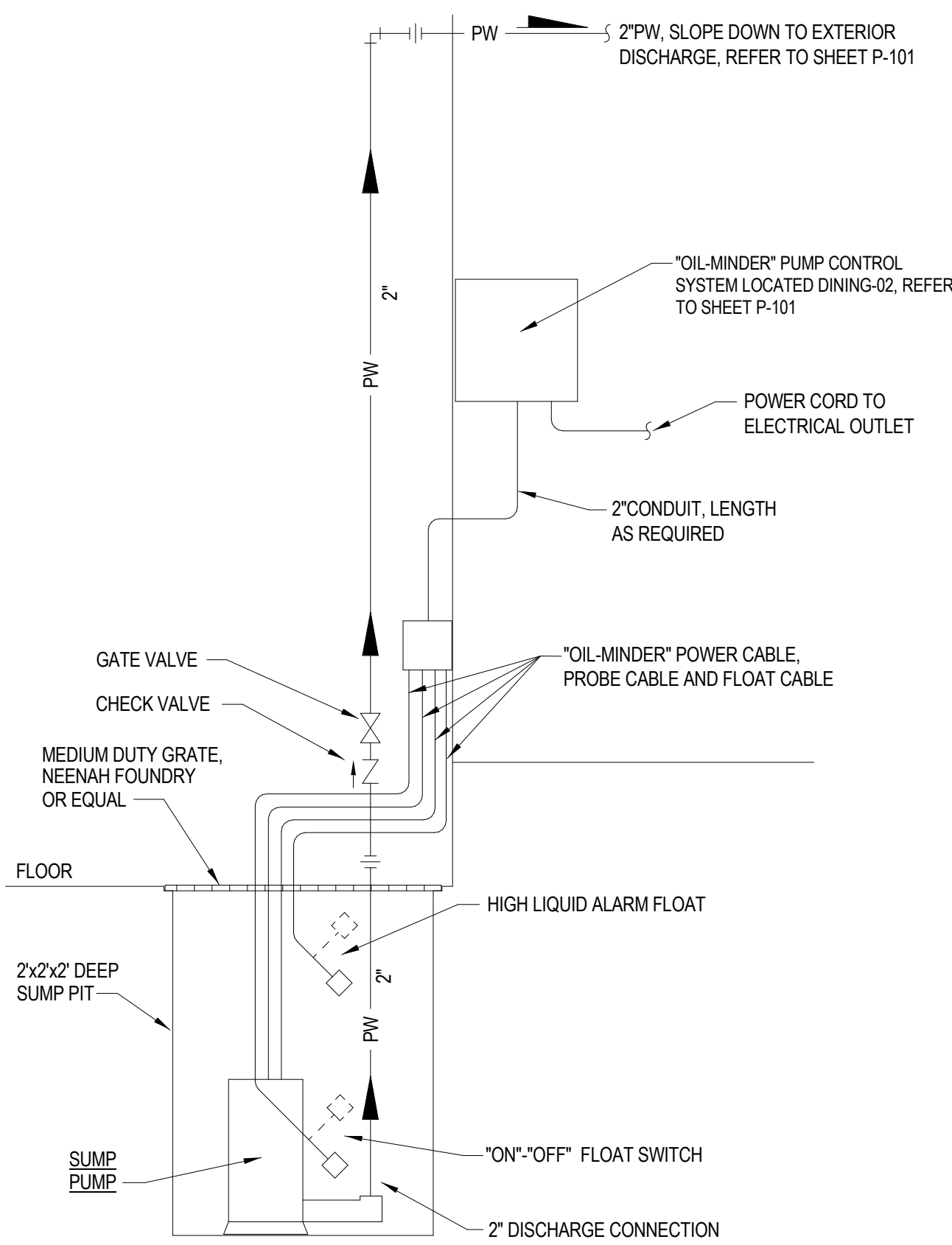
ELEVATOR PIT PLAN - PLUMBING
SCALE: 1/4" = 1'-0"

PLUMBING LEGEND

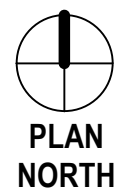
ABOVE	ABV
CEILING	CLG
CHECK VALVE	
DIRECTION OF SLOPE DOWN	
FROM	FR
GATE VALVE	GV
PIPING INDICATION WITH RESPECT TO WATER FLOW	
TURN DOWN OR FROM BELOW	
TURN UP OR DOWN	
TURN UP OR FROM ABOVE	
PUMPED WASTE	PW
UNION	

GENERAL PLUMBING NOTES:

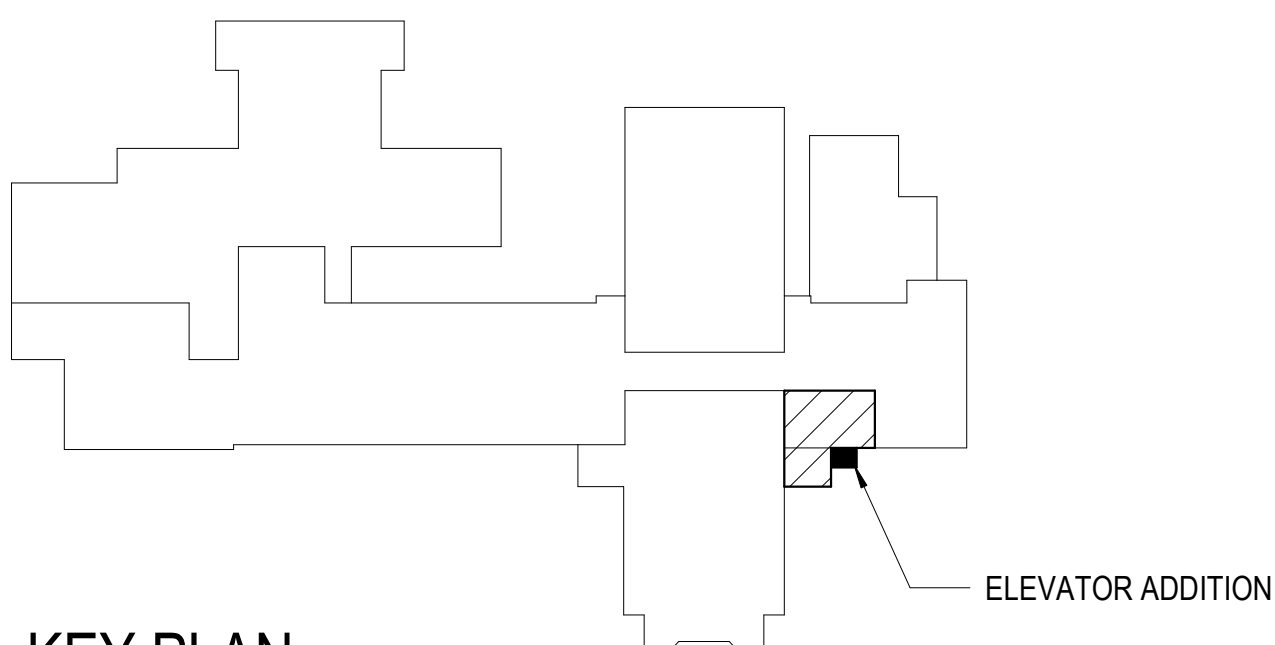
- ALL PIPES SHALL BE COORDINATED WITH OTHER NEW AND EXISTING DUCTS, PIPES, LIGHTS, STRUCTURAL SYSTEM, CEILING SUPPORTS AND FRAMING BEFORE INSTALLATION. MINOR PIPE OFFSETS SHALL BE PROVIDED AS REQUIRED. MEASUREMENTS FOR VERTICAL CLEARANCES SHALL BE TAKEN AT THE JOB SITE BEFORE INSTALLATION OF ANY PIPING.
- 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 MANUFACTURER'S REQUIREMENTS.
- 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.
- 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.
- 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.
- 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



KEY PLAN
NOT TO SCALE



MARK	DATE	BY	DESCRIPTION

L P A
LAWRENCE PERRY & ASSOCIATES
Consulting Engineers
15 E Salem Avenue SE, Suite 101
Roanoke, Virginia 24011
Phone: (540) 344-1818
Fax: (540) 344-1819
Email: info@lpa-engineers.com
© Lawrence Perry and Associates, Inc.

DATE	FEB 28, 2025
PROJECT	21195-17
DESIGNED	DHH
DRAWN	CAD
CHECKED	MGW

RRMM
ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540) 344-1212

02/28/25
ORDNEY D. FANNINGS
Lic. No. 034568
PROFESSIONAL ENGINEER

PROJECT HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112
DRAWING LEGEND, FLOOR PLANS, DETAIL AND NOTES -
PLUMBING

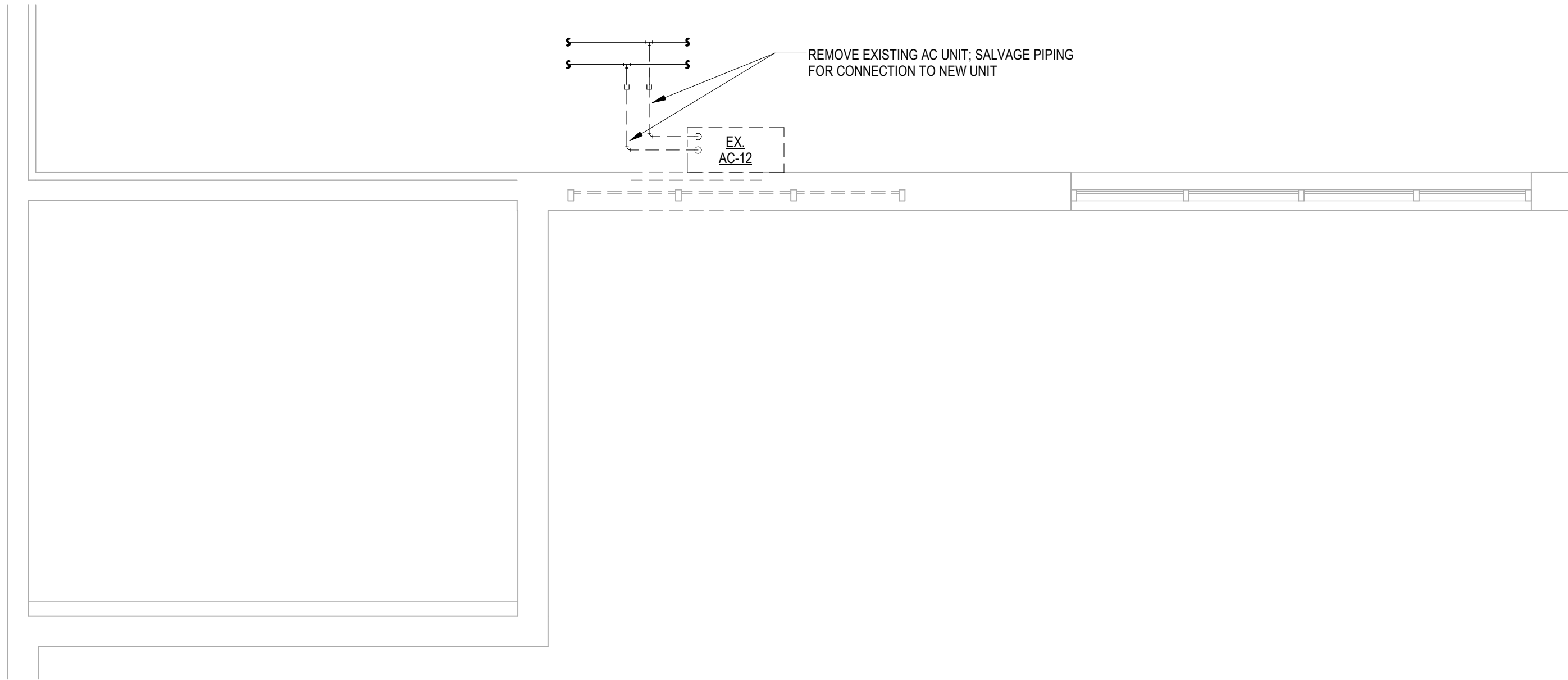
SHEET
P-101



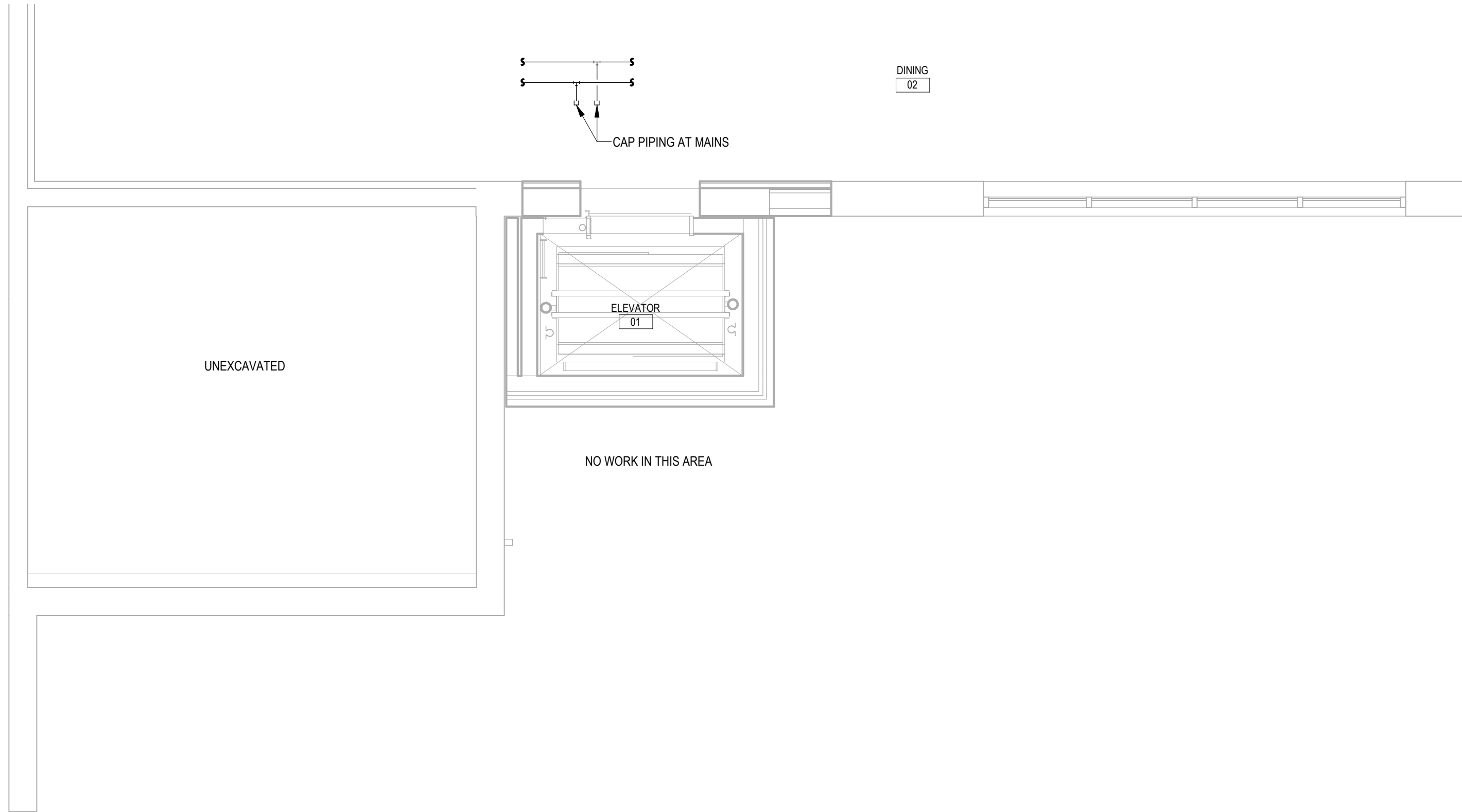
$\frac{0'}{1/32} = 1'-0"$ $\frac{0'}{1/16} = 1'-0"$ $\frac{0'}{3/32} = 1'-0"$ $\frac{0'}{1/8} = 1'-0"$ $\frac{0'}{1/4} = 1'-0"$ $\frac{0'}{3/8} = 1'-0"$ $\frac{0'}{1/2} = 1'-0"$ $\frac{0'}{3/4} = 1'-0"$ $1^* = 1'-0"$ $1 \frac{1}{2}^* = 1'-0"$ $3^* = 1'-0"$ $6^* = 1'-0"$ $12^* = 1'-0"$

2/27/2025 1:04:21 AM Autodesk Docs/2/195-17 HCPS GW Carver ES Elevator-MECH - R24.rvt HCPS GW Carver ES Elevator - MECH - R24.rvt

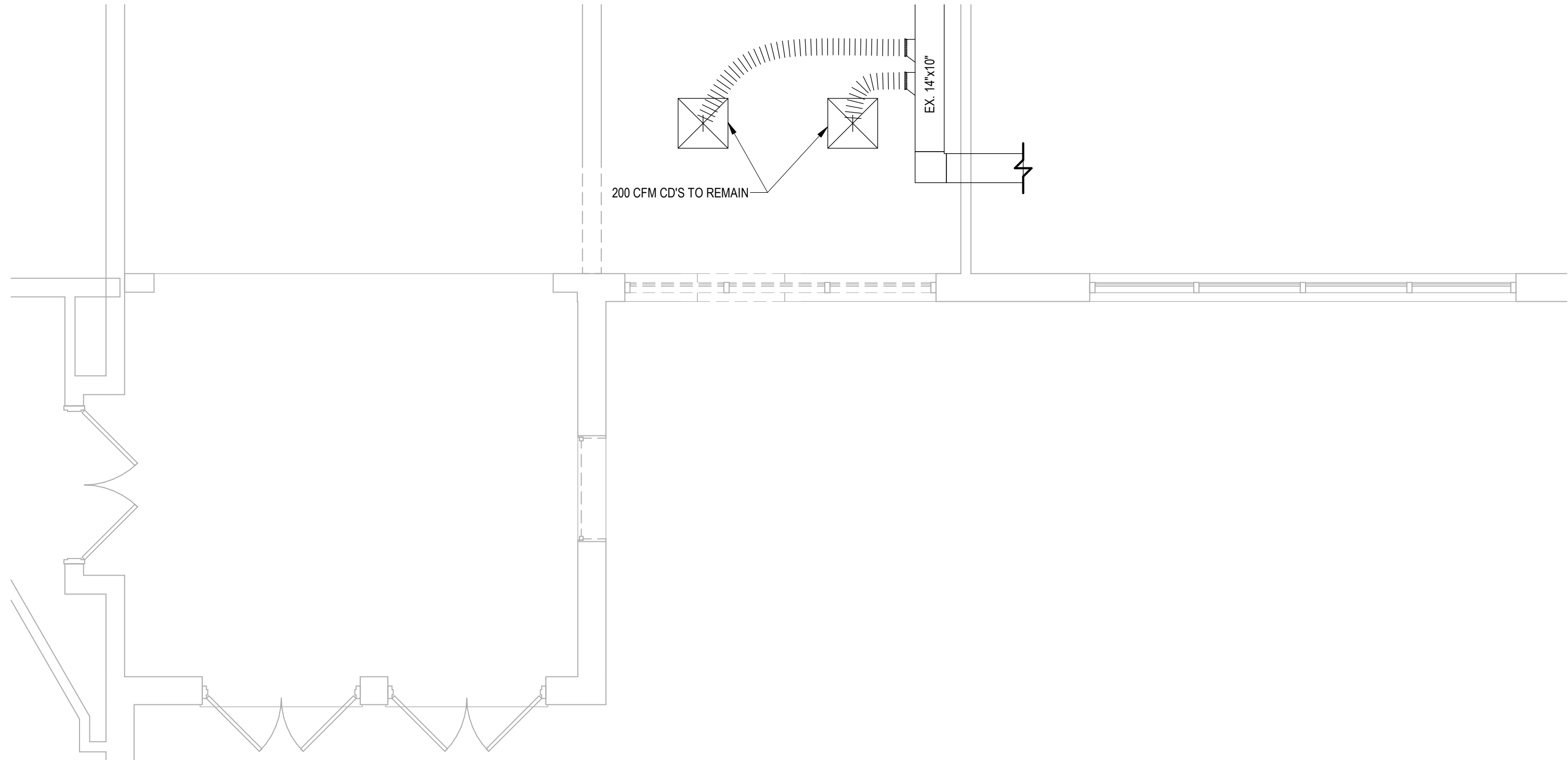
BASEMENT DEMOLITION PLAN - HVAC
SCALE: 1/4" = 1'-0"



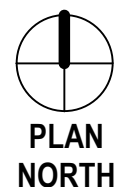
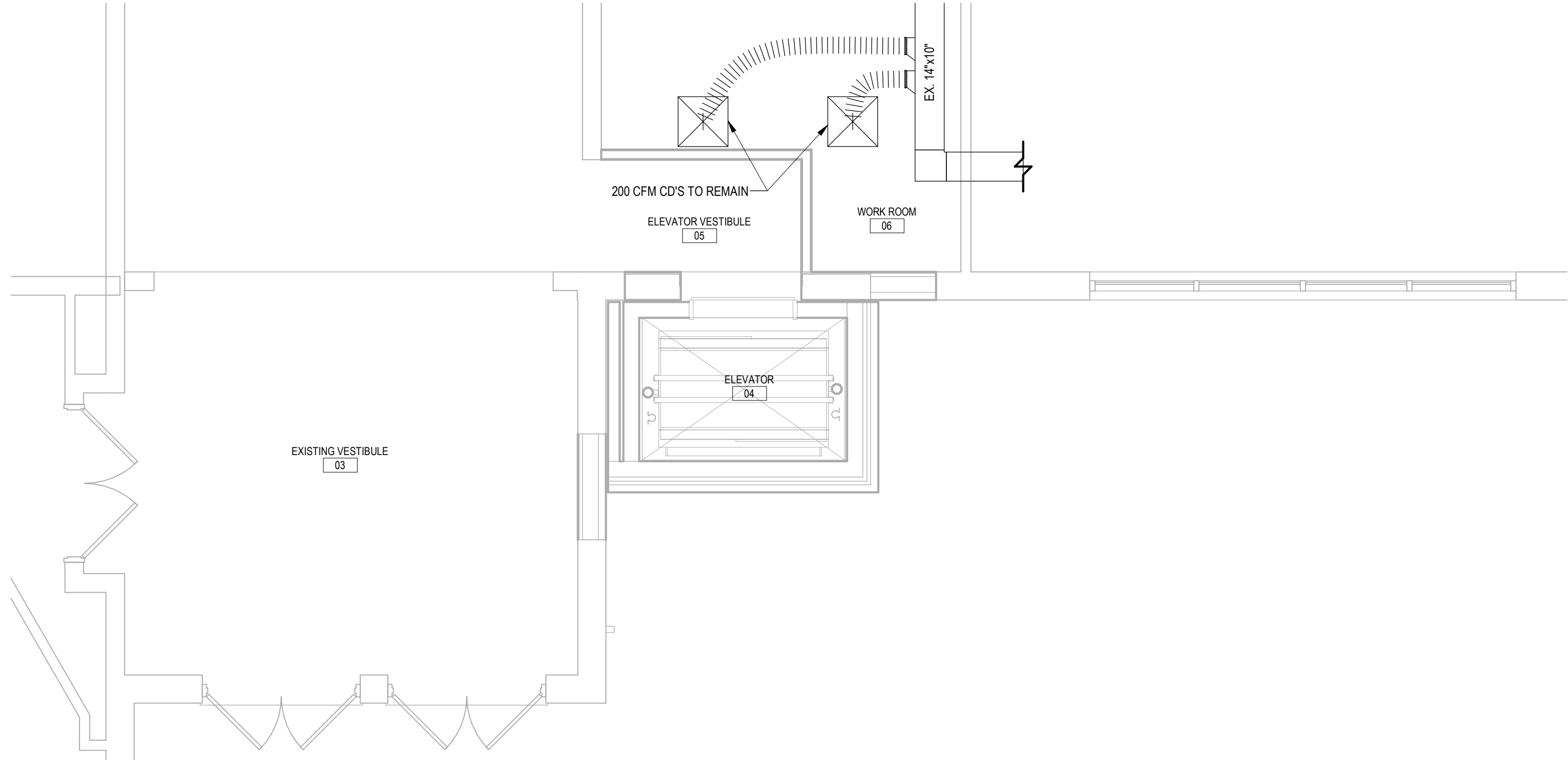
BASEMENT FLOOR PLAN - HVAC
SCALE: 1/4" = 1'-0"



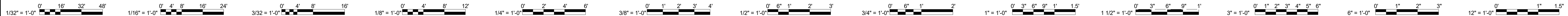
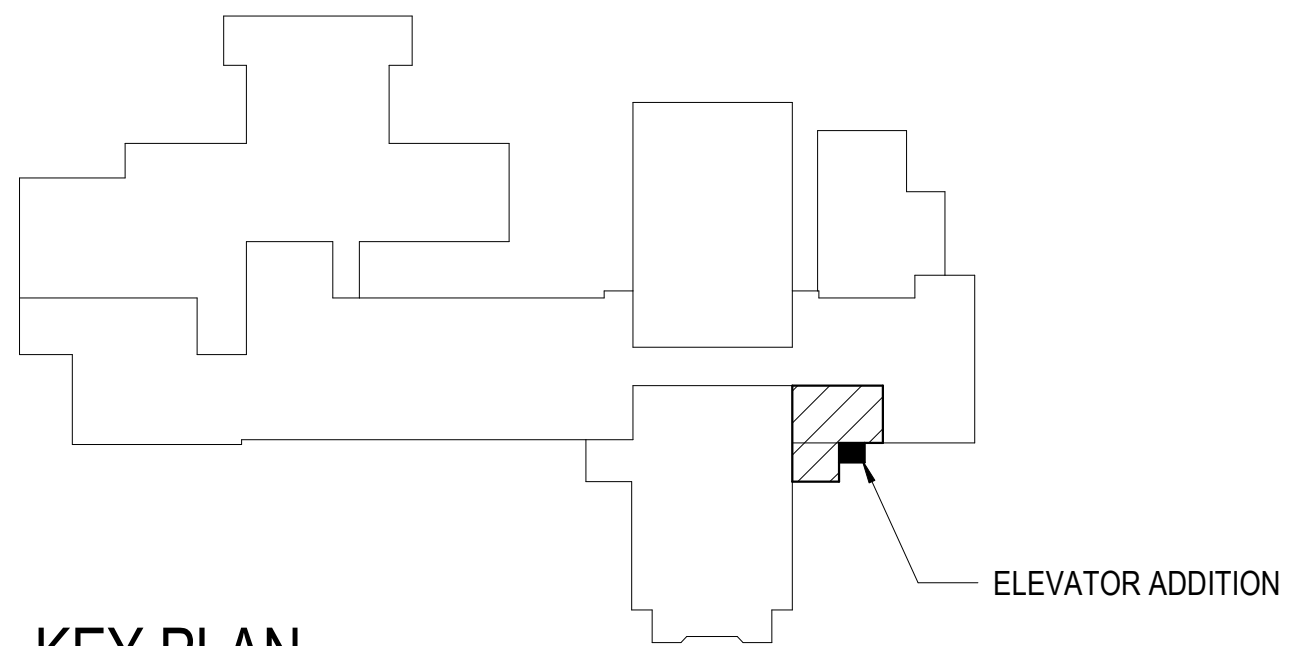
FIRST FLOOR DEMOLITION PLAN - HVAC
SCALE: 1/4" = 1'-0"



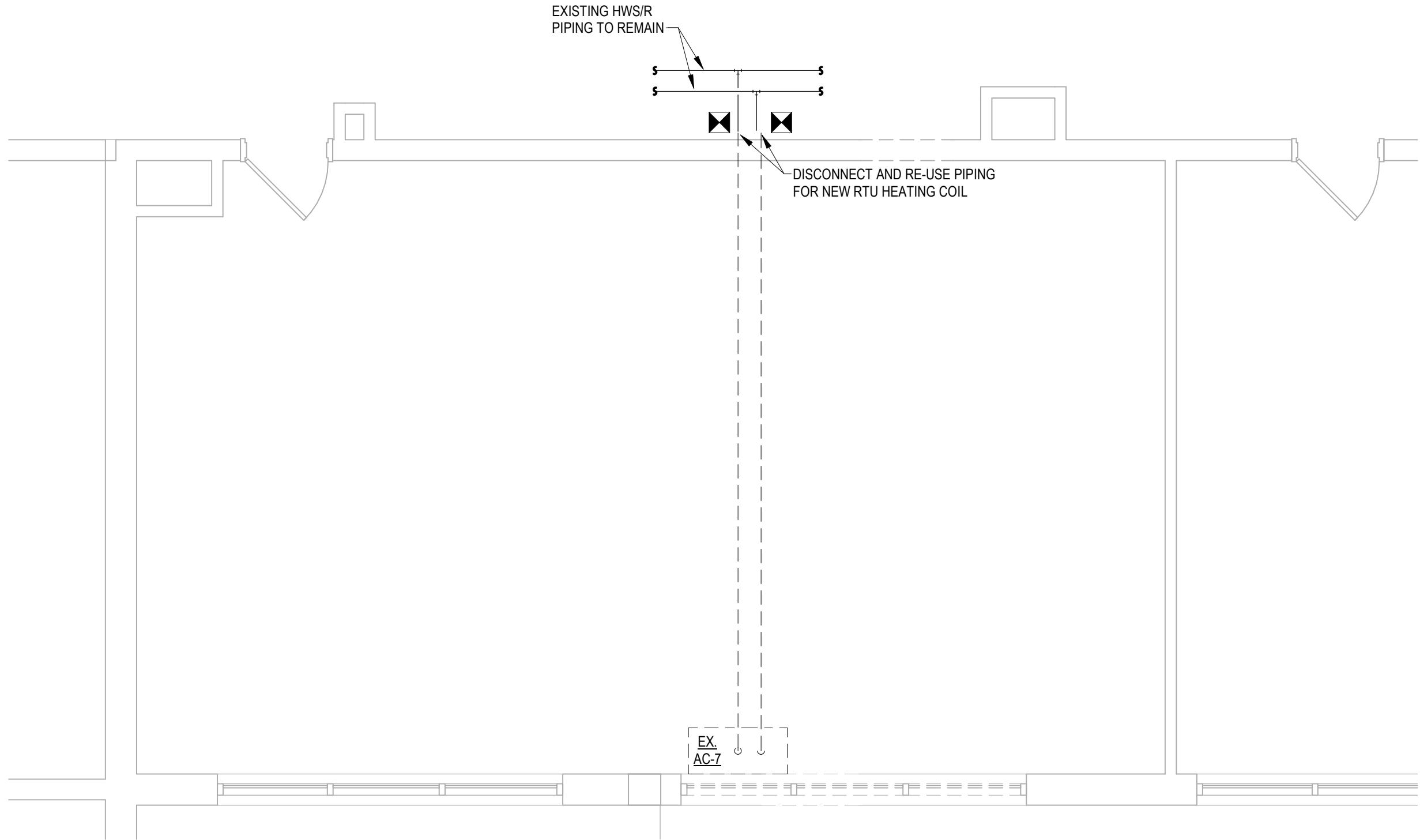
FIRST FLOOR PLAN - HVAC
SCALE: 1/4" = 1'-0"



KEY PLAN
NOT TO SCALE

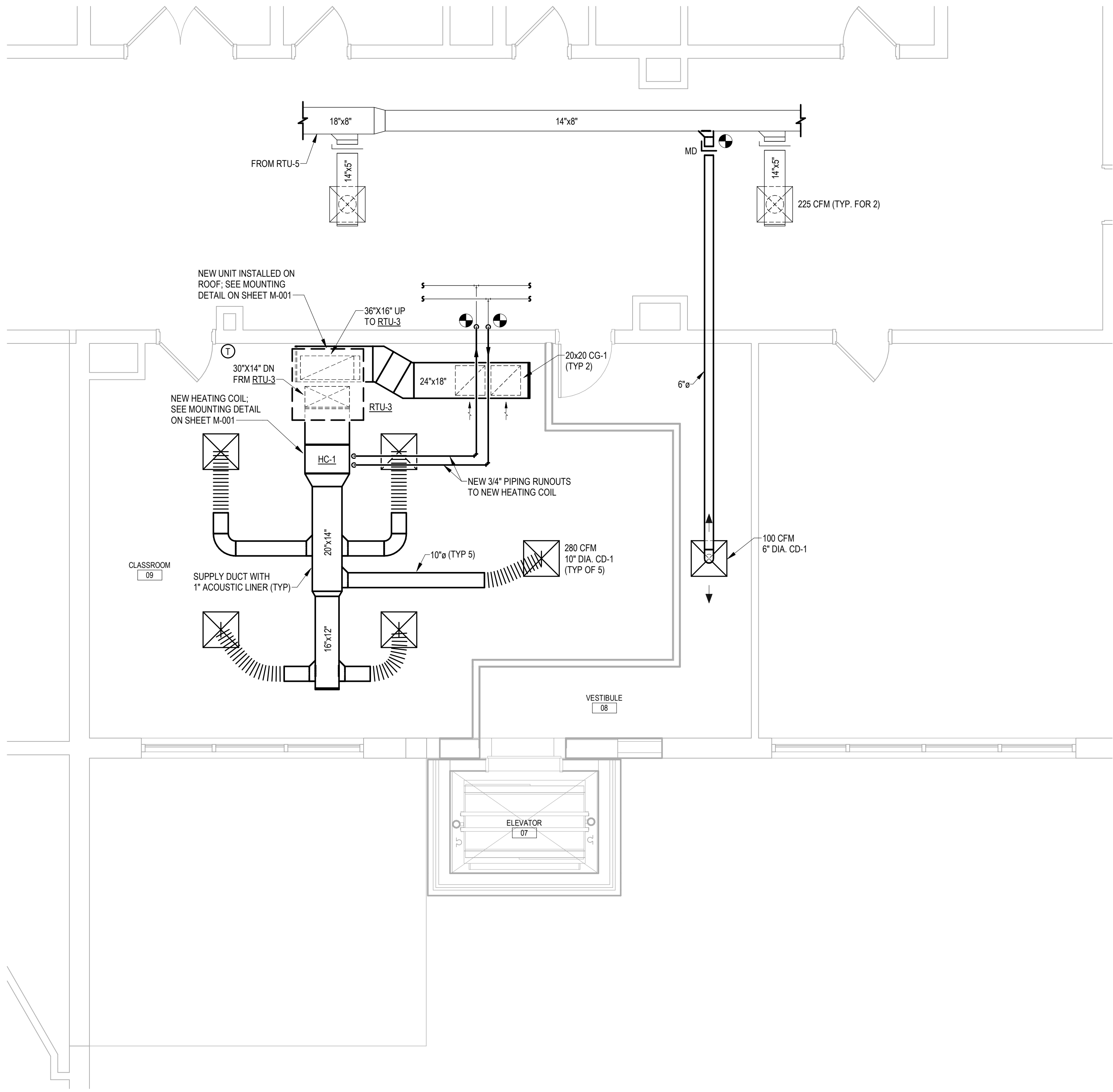


PROJECT	HENRY COUNTY PUBLIC SCHOOLS GW CARVER E.S. ELEVATOR ADDITION 220 TROTT CIRCLE MARTINSVILLE, VA 24112	
	DRAWING BASEMENT AND FIRST FLOOR PLANS - HVAC	
SHEET	M-101	
DATE	FEB 28, 2025	
	PROJECT 21195-17	
DESIGNED	FLM	
	DRAWN	
CHECKED	FLM	
	RDF	
BY	REVISIONS	
MARK	L P A	
	LAWRENCE PERRY & ASSOCIATES Consulting Engineers 15 E Salem Avenue SE, Suite 101 Roanoke, Virginia 24011 Phone: (540) 344-1818 Fax: (540) 344-1819 Email: info@lpa-engineers.com © Lawrence Perry and Associates, Inc.	
DESCRIPTION	02/28/25 RODNEY D. FANNING Lic. No. 034568 PROFESSIONAL ENGINEER	
	RRMM ARCHITECTS, PC 28 Church Ave SW Roanoke, Virginia 24011 (540) 344-1212	



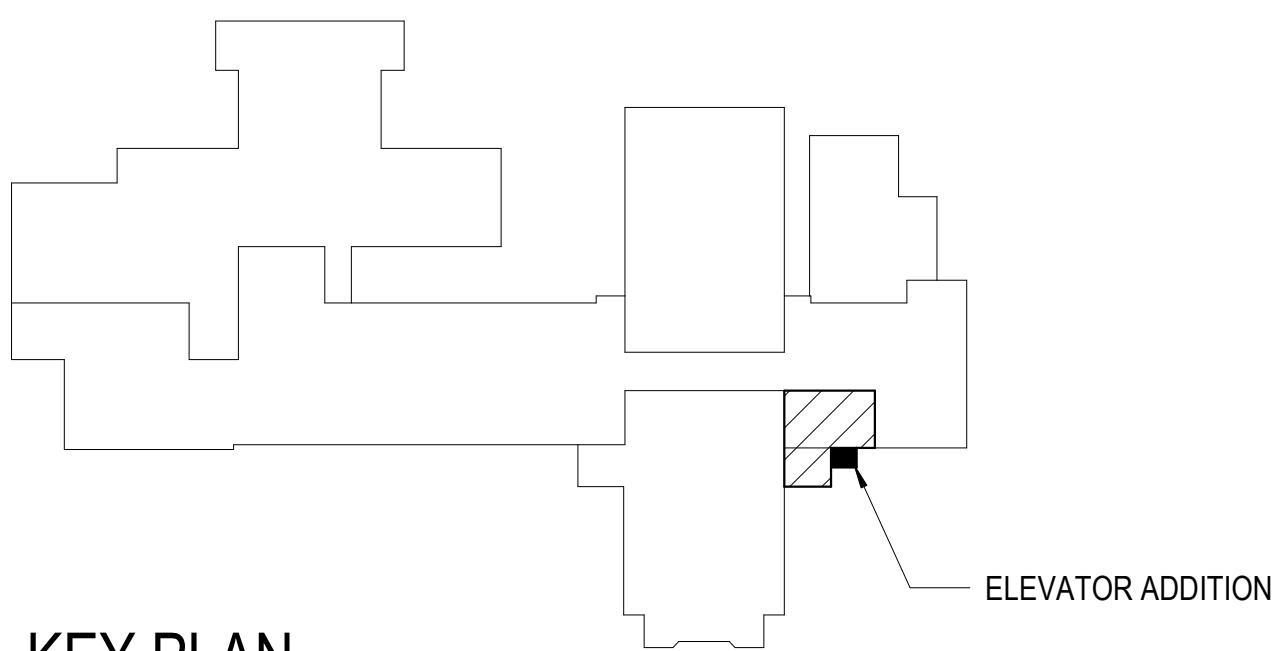
SECOND FLOOR DEMOLITION PLAN - HVAC

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

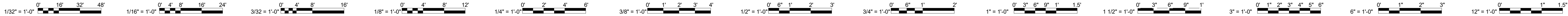


SECOND FLOOR PLAN - HVAC

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



KEY PLAN
NOT TO SCALE



2/27/2025 1:04:21 AM Autodesk Docs://2195-17 HOPS GW Carver ES Elevator/2410185 - HOPS GW Carver ES Elevator - MECH - R24.rvt

REVISIONS	MARK	DATE	BY	DESCRIPTION

L
P
A

LAWRENCE PERRY & ASSOCIATES
Consulting Engineers

15 E Salem Avenue SE, Suite 101
Roanoke, Virginia 24011

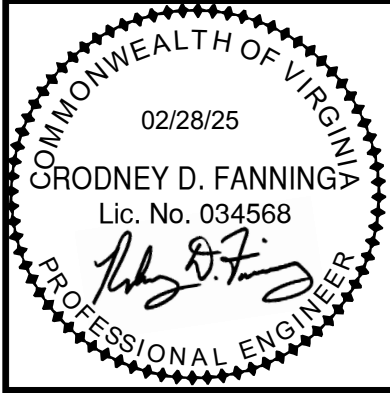
PH: (540) 342-1818
Fax: (540) 344-2410

Company No.: 24101 EE
© Lawrence Perry and Associates, Inc.

DATE	FEB 28, 2025	PROJECT	21195-17	FLM	FLM	RDF
DESIGNED		DRAWN				
CHECKED						

RRMM
ARCHITECTS, PC

28 Church Ave SW
Roanoke, Virginia 24011
(540) 344-1212



PROJECT

HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112

DRAWING

SECOND FLOOR PLANS - HVAC

SHEET

M-102

Autodesk Docs/2/195-17 HCP5 GW Carver ES Elevator - ELEC - R04.rvt 2/27/2025 1:08:40 AM

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 = CARQ 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		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		FIRE ALARM MANUAL PULL STATION, WALL.
8'-0" TO TOP		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		FIRE ALARM VISUAL DEVICE, WALL. NUMBER INDICATES VISUAL DEVICE MINIMUM CANDELA RATING.
		FIRE ALARM HORN OR SPEAKER (AS INDICATED IN SPECIFICATIONS) WITH INTEGRAL VISUAL DEVICE, CEILING. NUMBER INDICATES VISUAL DEVICE MINIMUM CANDELA RATING.
		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		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		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		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		RECEPTABLES, 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. "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		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.
1'-8" TO TOP		JUNCTION BOX, CEILING.

ELECTRICAL LEGEND - LIGHTING		
MTG. HGT.	SYMBOL	DESCRIPTION
		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.
		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.
7'-6" TO BOTTOM, UNO		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		SWITCH, LOW VOLTAGE LIGHTING CONTROL, WALL-BOX MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
4'-0" TO TOP		0-10V DIMMER, LOW VOLTAGE LIGHTING CONTROL, WALL-BOX MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
4'-0" TO TOP		SWITCH WITH INTEGRAL OCCUPANCY SENSOR, WALL-BOX MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
4'-0" TO TOP		SWITCH WITH INTEGRAL VACANCY SENSOR, WALL-BOX MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
4'-0" TO TOP		COMBINATION 0-10V DIMMER AND OCCUPANCY SENSOR, WALL-BOX MOUNTED. TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
		OCCUPANCY SENSOR, CEILING MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
		VACANCY SENSOR, CEILING MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.

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

- NOTES (ELECTRICAL LEGEND):**
- 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.
 - 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.
 - SEE ELECTRICAL ABBREVIATIONS FOR ALPHABETIC SUBSCRIPT WITH SYMBOL, UNO.
 - 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		NON-FUSIBLE SAFETY SWITCH, WALL OR EQUIPMENT MOUNTED. "S" DENOTES TOGGLE SWITCH TYPE.
5'-0" TO TOP		NON-FUSIBLE SAFETY SWITCH, WALL OR EQUIPMENT MOUNTED. NUMBER INDICATES SAFETY SWITCH 3-POLE/60 AMP RATING.
5'-0" TO TOP		FUSIBLE SAFETY SWITCH, WALL OR EQUIPMENT MOUNTED. NUMBER INDICATES SAFETY SWITCH 3-POLE/60 AMP RATINGS/45 AMP FUSES.

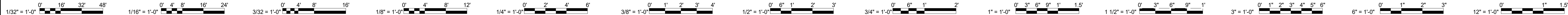
ELECTRICAL LEGEND - RESCUE ASSISTANCE		
MTG. HGT.	SYMBOL	DESCRIPTION
4'-0" TO TOP		2-WAY EMERGENCY COMMUNICATION SYSTEM - CALL STATION, FLUSH WALL MOUNTED.
5'-0" TO TOP		2-WAY EMERGENCY COMMUNICATION SYSTEM - MASTER STATION, FLUSH WALL MOUNTED.

ELECTRICAL ABBREVIATIONS			
A OR AMP	AMPERE	KWH	KILOWATT-HOUR
ABV	ABOVE	LED	LIGHT EMITTING DIODE
AC	ALTERNATING CURRENT	LSTS	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	MIS	MOTOR/GENERATOR
CABL	CABLE	MH	METAL HALIDE OR MOUNTING HEIGHT
CB	CIRCUIT BREAKER	MIN	MINIMUM
CKT	CIRCUIT	MLO	MAIN LUGS ONLY
CLS	CEILING	MOC	MAXIMUM OVER CURRENT PROTECTION
CND	CONDUIT	MTD	MOUNTED
CNTR	CENTER	MTG	MOUNTING
COMB	COMBINATION	MTR	METER
COND	CONDUCTOR	N OR NORM	NORMAL
CONN	CONNECTION	NES	NATIONAL ELECTRICAL CODE
CONT	CONTACTOR	NEUT	NEUTRAL
CU	COPPER	NEUF	NON-FUSIBLE SAFETY SWITCH
DC	DIRECT CURRENT	NO	NUMBER
DISC	DISCONNECT	OH	OVERHEAD
DIV.	DIVISION	P	POLE
DWG	DRAWINGS	PB	PULL BOX OR PUSHBUTTON
E OR EMER	EMERGENCY	PH	PHASE
EGC	EQUIPMENT GROUNDING EQUIPMENT	PNL	PANEL OR PANELBOARD
EL	EXIST RELOCATED TO THIS LOCATION	PNLBRD	PANELBOARD
EMT	ELECTRIC OR ELECTRICAL	PRI	PRIMARY
ELEV	ELEVATOR	PVC	POLYVINYL CHLORIDE
EM	EXIST REMOVED	PWR	POWER
EMIL	EXIST REMOVED AND RELOCATED	QTY	QUANTITY
ENIL	EXIST REMOVED AND NEW INSTALLED	REC	RECEPTACLE
ENL	ELECTRICAL METALLIC TUBING	RGS	RIGID GALVANIZED STEEL CONDUIT
ENCL	ENCLOSURE	SO	SPACE ONLY
ENG	ENGINE	SCCR	SHORT CIRCUIT CURRENT RATING
EQUIP	EQUIPMENT	SEC	SECONDARY
ER	EXIST TO REMAIN	SN	SOLID NEUTRAL
ERC	ELEVATOR RECALL	SPD	SURGE PROTECTIVE DEVICE
EXIST	EXISTING	SPEAK	SPEAKER
EXT	EXTERIOR	SS	SURGE SUPPRESSOR
FA	FIRE ALARM	STR	STARTER
FACU	FIRE ALARM CONTROL PANEL	SW	SWITCH
FDR	FEEDER	SWBD	SWITCHBOARD
FC	FOOTCANDLE	SWGR	SWITCHGEAR
FSD	FIRE/SMOKE DAMPER	SYM	SYMMETRICAL
FSS	FUSIBLE SAFETY SWITCH	T	TAMPER RESISTANT
FXTR	FIXTURE	TEL	TELEPHONE
GEN	GENERATOR	TR	TAMPER RESISTANT
GF OR GFI	GROUND FAULT INTERRUPTER	TYP	TYPICAL
GFP	GROUND FAULT PROTECTION/PROTECTED	UC	UNDERCOUNTER
GND	GROUND	UF	UNDER FLOOR
H OR HOR	HORIZONTAL	UG	UNDERGROUND
HGT	HEIGHT	UL	UNDERWRITERS' LABORATORIES
HP	HORSEPOWER OR HEAT PUMP	UNO	UNLESS NOTED OTHERWISE
HTR	HEATER	V	VOLT
HZ	HERTZ	V	VOLT-AMPERE
IDF	INTERMEDIATE DISTRIBUTION FRAME	VERT	VERTICAL
JB	JUNCTION BOX	W	WAIT OR WIRE
KMIL	THOUSAND CIRCULAR MILS	WG	WIRE GUARD
KNOCKOUT	KNOCKOUT	WP	WEATHERPROOF
KV	KILOVOLT	XFMR	TRANSFORMER
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:

- 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.
 - 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 AT THE OWNERS 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.
 - 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.
 - DEVICES (RECEPTABLES, LIGHTING CONTROLS, ETC.):**
 - WHERE DEVICES ARE NOTED TO BE DEMOLISHED:
 - 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.
 - WHERE EXISTING WIRING AT A 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 RENOVATE THE EXISTING WIRING.
 - 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.
 - WHERE THE EXISTING DEVICE IS THE FIRST DEVICE THAT THE HOMERUN CIRCUIT LANDS TO AND THEN FEEDS OTHER DOWN STREAM DEVICES:
 - 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.
 - 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.
 - 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.
 - 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).
 - WHERE THE EXISTING DEVICE IS ROUTED BELOW THE SLAB. REMOVE THE WIRING BETWEEN THE REMOVED DEVICE AND EITHER THE FIRST HOMERUN JUNCTION BOX ABOVE THE SLAB OR THE PANELBOARD 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).
- WHERE THE EXISTING DEVICE IS IN BETWEEN UP STREAM 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.
- 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.
- 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.
 - WHERE THE EXISTING DEVICE IS DOWNSTREAM (AT THE END) OF ALL UPSTREAM DEVICES. REFER TO 7.A.1.A & 7.A.1.B ABOVE FOR SIMILAR DIRECTION.
 - WHERE THE EXISTING DEVICE IS IN BETWEEN UP STREAM AND DOWN STREAM DEVICES. REFER TO 7.A.2.A ABOVE FOR SIMILAR DIRECTION.
 - WHERE THE EXISTING DEVICE IS DOWNSTREAM (AT THE END) OF ALL UPSTREAM DEVICES. REFER TO 7.A.3.A ABOVE FOR SIMILAR DIRECTION.
 - 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.
 - 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.1.A & 7.A.1.B ABOVE FOR SIMILAR DIRECTION ON WIRING.
 - WHERE THE EXISTING DEVICE IS IN BETWEEN UP STREAM 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.2.A ABOVE FOR SIMILAR DIRECTION ON THE WIRING.
 - 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.3.A ABOVE FOR SIMILAR DIRECTION.
 - 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.
- 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).
- RECEPTABLES:** ALL EXISTING RECEPTABLES AND BRANCH CIRCUITS TO THE EXISTING RECEPTABLES SHALL BE DEMOLISHED AND REPLACED WITH NEW, UNLESS NOTED OTHERWISE TO KEEP. REFER TO **DEVICES** ABOVE FOR ADDITIONAL DEMOION NOTES.
- 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 RISSES 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.
- 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.
- MAINTAIN CIRCUIT CONTINUITY AS NECESSARY IN ALL DEMOLITION WORK.
- THE CONTRACTOR SHALL INFORM THE OWNERS 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.
- INFORMATION ON DEMOLITION DRAWINGS DOES NOT INDICATE ALL EXISTING EQUIPMENT AND DEVICES. REFER TO ARCHITECTURAL AND MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.
- 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.
- 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.



DESCRIPTION	
BY	REVISIONS
MARK	DATE

L P A
LAWRENCE PERRY & ASSOCIATES
Consulting Engineers

15 E Salem Avenue SE, Suite 101
Roanoke, Virginia 24011
Phone: (404) 342-1818
Fax: (404) 344-1419
E-mail: lawrence.perry@lpa-engineers.com
© Lawrence Perry and Associates, Inc.

DATE: FEB 28, 2025
PROJECT: 21195-17
DESIGNED: MAR
DRAWN: MAR
CHECKED: WAM

RRMM
ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540) 444-1212

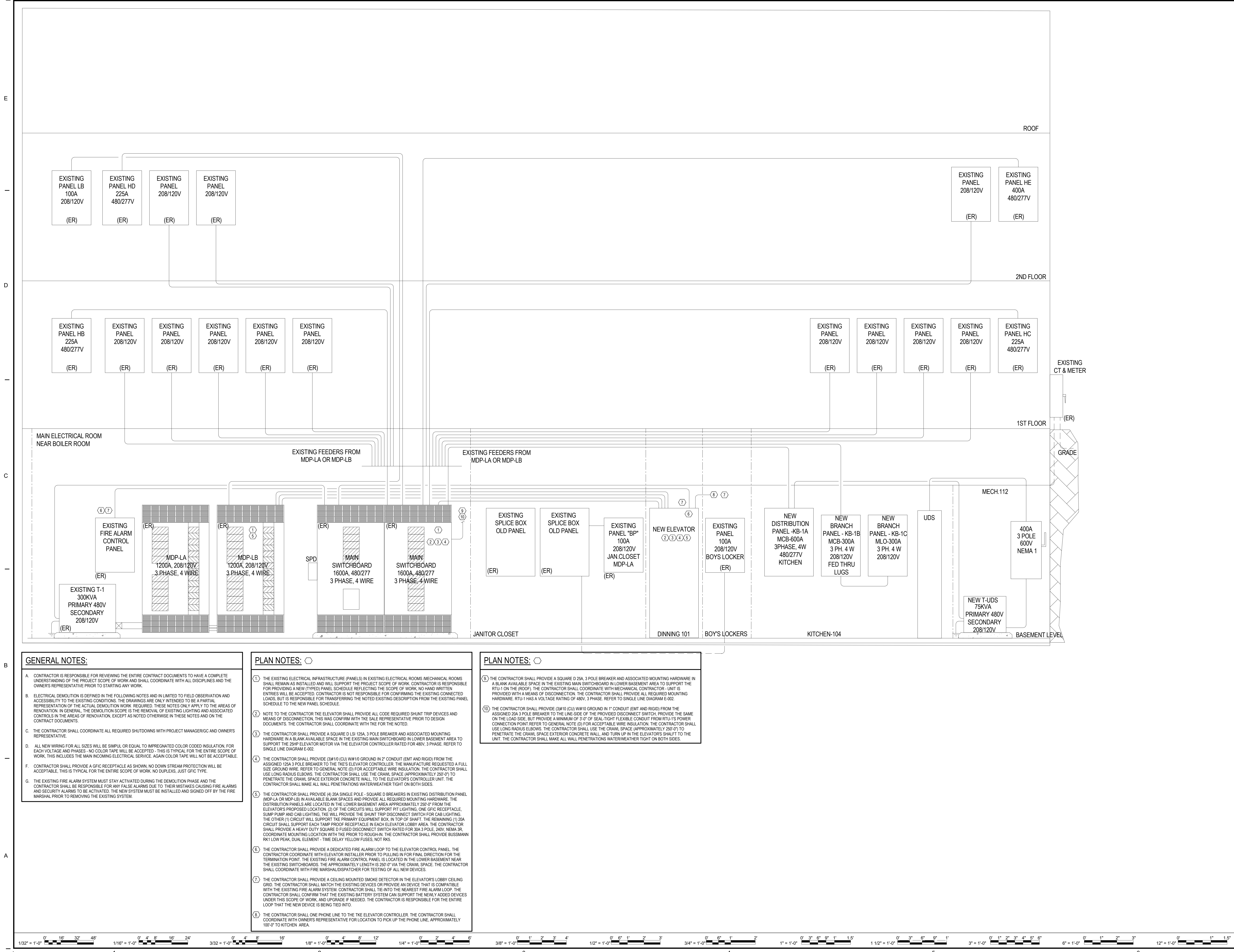
02/28/25
WINSTON A. MATTHEWS
Lic. No. 044469
PROFESSIONAL ENGINEER

PROJECT: HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112

DRAWING: ELECTRICAL LEGEND, ABBREVIATIONS AND NOTES

SHEET
E-001

2/27/2025 11:08:41 AM Autodesk Docs/1/21195-17 HCPSS GW Carver ES Elevator - ELEC - R04.rvt



GENERAL NOTES:

- 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.
- ELECTRICAL DEMOLITION IS DEFINED IN THE FOLLOWING NOTES AND IS 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.
- THE CONTRACTOR SHALL COORDINATE ALL REQUIRED SHUTDOWNS WITH PROJECT MANAGER/CM AND OWNER'S REPRESENTATIVE.
- ALL NEW WIRING FOR ALL SIZES WILL BE SIMPLU 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.
- CONTRACTOR SHALL PROVIDE A GFCI RECEPTACLE AS SHOWN, NO DOWN STREAM PROTECTION WILL BE ACCEPTABLE. THIS IS TYPICAL FOR THE ENTIRE SCOPE OF WORK. NO DUPLEXES, JUST GFCI TYPE.
- 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:

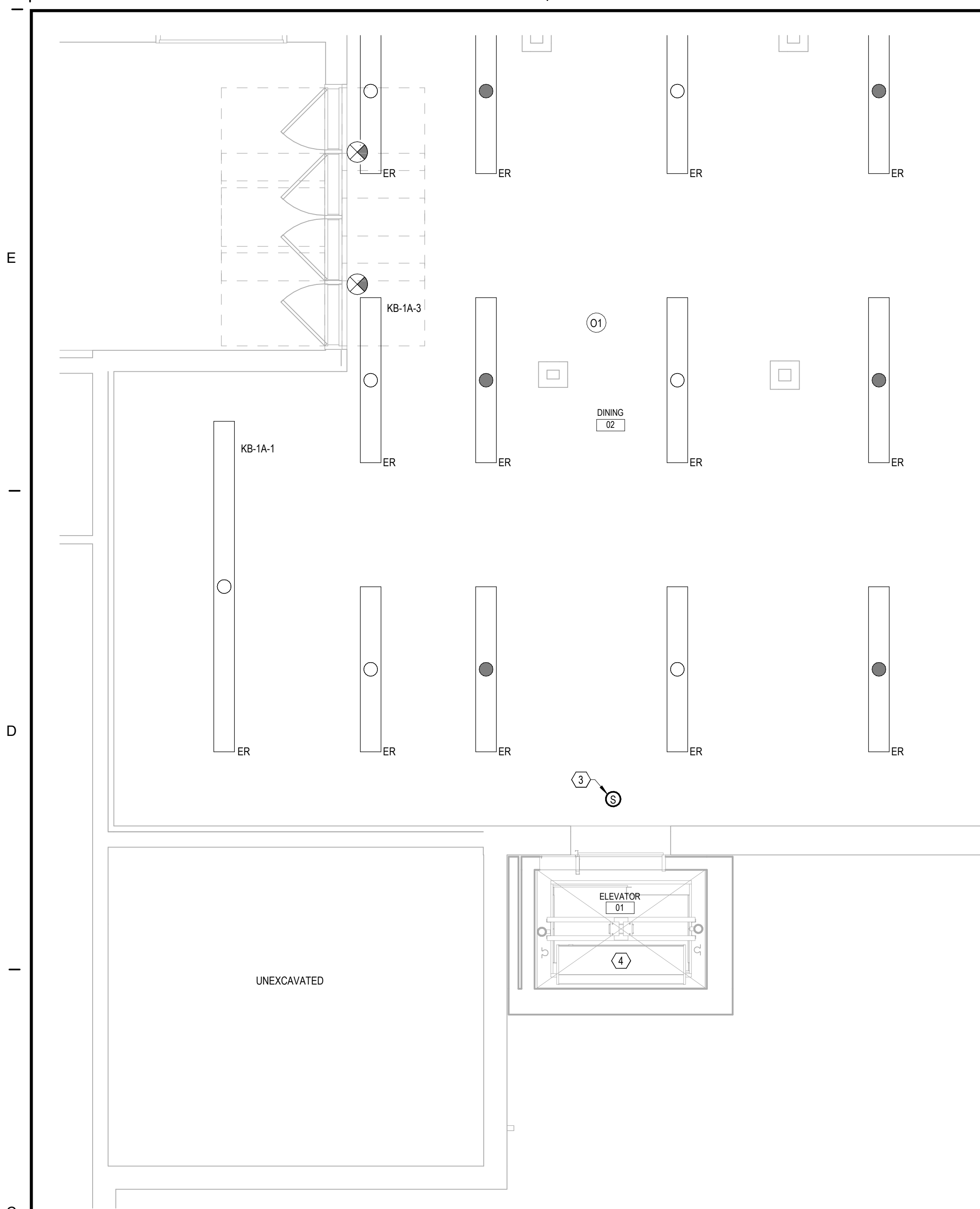
- THE EXISTING ELECTRICAL INFRASTRUCTURE (PANELS) IN EXISTING ELECTRICAL ROOMS / MECHANICAL ROOMS SHALL REMAIN AS INSTALLED AND WILL SUPPORT THE PROJECT SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A NEW (TYPED) PANEL SCHEDULE REFLECTING THE SCOPE OF WORK. NO HAND WRITTEN ENTRIES WILL BE ACCEPTED. 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.
- NOTE TO THE CONTRACTOR THE ELEVATOR SHALL PROVIDE ALL CODE REQUIRED SHUNT TRIP DEVICES AND MEANS OF DISCONNECTION. THIS WAS CONFIRM WITH THE SALE REPRESENTATIVE PRIOR TO DESIGN DOCUMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE FOR THE NOTED.
- THE CONTRACTOR SHALL PROVIDE A SQUARE D ISI 125A, 3 POLE BREAKER AND ASSOCIATED MOUNTING HARDWARE IN A BLANK AVAILABLE SPACE IN THE EXISTING MAIN SWITCHBOARD IN LOWER BASEMENT AREA TO SUPPORT THE 25HP ELEVATOR MOTOR VIA THE ELEVATOR CONTROLLER RATED FOR 480V, 3 PHASE. REFER TO SINGLE LINE DIAGRAM E-002.
- THE CONTRACTOR SHALL PROVIDE (3#10 (CU) W/10 GROUND IN 2" CONDUIT (EMT 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 USE THE CRAWL SPACE (APPROXIMATELY 250'-0") TO PENETRATE THE CRAWL SPACE EXTERIOR CONCRETE WALL, TO THE ELEVATORS CONTROLLER UNIT. THE CONTRACTOR SHALL MAKE ALL WALL PENETRATIONS WATERWEATHER TIGHT ON BOTH SIDES.
- THE CONTRACTOR SHALL PROVIDE (1) 20A SINGLE POLE - SQUARE D BREAKERS IN EXISTING DISTRIBUTION PANEL (MDP-LA OR MDP-LB) IN AVAILABLE BLANK SPACES AND PROVIDE ALL REQUIRED MOUNTING HARDWARE. THE DISTRIBUTION PANELS ARE LOCATED IN THE LOWER BASEMENT AREA APPROXIMATELY 250'-0" FROM THE ELEVATORS PROPOSED LOCATION. (2) OF THE CIRCUITS WILL SUPPORT FTL LIGHTING, ONE GFCI RECEPTACLE, SUMP PUMP AND GAS LIGHTING. THE WILL PROVIDE THE SHUNT TRIP DISCONNECT SWITCH FOR GAS LIGHTING. THE OTHER (1) CIRCUIT WILL SUPPORT THE 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 20A 3 POLE, 240V, NEMA 3R. COORDINATE MOUNTING LOCATION WITH THE PRIOR TO ROUGH-IN. THE CONTRACTOR SHALL PROVIDE BUSSMANN RK1 LOW PEAK, DUAL ELEMENT - TIME DELAY YELLOW FUSES, NOT RKs.
- 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 IN THE LOWER BASEMENT NEAR THE EXISTING SWITCHBOARDS. THE APPROXIMATELY LENGTH IS 250'-0" VIA THE CRAWL SPACE. THE CONTRACTOR SHALL COORDINATE WITH FIRE MARSHAL/DISPATCHER FOR TESTING OF ALL NEW DEVICES.
- 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.
- 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 KITCHEN AREA.

PLAN NOTES:

- THE CONTRACTOR SHALL PROVIDE A SQUARE D 25A, 3 POLE BREAKER AND ASSOCIATED MOUNTING HARDWARE IN A BLANK AVAILABLE SPACE IN THE EXISTING MAIN SWITCHBOARD IN LOWER BASEMENT AREA TO SUPPORT THE RTU-1 ON THE ROOF. THE CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR - UNIT IS PROVIDED WITH A MEANS OF DISCONNECTION. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED MOUNTING HARDWARE. RTU-1 HAS A VOLTAGE RATING OF 480V, 3 PHASE. REFER TO SINGLE LINE DIAGRAM E-002.
- THE CONTRACTOR SHALL PROVIDE (3#10 (CU) W/10 GROUND IN 1" CONDUIT (EMT AND RIGID) FROM THE ASSIGNED 20A 3 POLE BREAKER TO THE LINE-SIDE OF THE PROVIDED DISCONNECT SWITCH. PROVIDE THE SAME ON THE LOAD SIDE, BUT PROVIDE A MINIMUM OF 3'-0" OF SEAL-TIGHT FLEXIBLE CONDUIT FROM RTU-1'S POWER CONNECTION POINT. REFER TO GENERAL NOTE (D) FOR ACCEPTABLE WIRE INSULATION. THE CONTRACTOR SHALL USE LONG RADIUS ELBOWS. THE CONTRACTOR SHALL USE THE CRAWL SPACE (APPROXIMATELY 250'-0") TO PENETRATE THE CRAWL SPACE EXTERIOR CONCRETE WALL AND TURN UP IN THE ELEVATOR'S SHAFT TO THE UNIT. THE CONTRACTOR SHALL MAKE ALL WALL PENETRATIONS WATERWEATHER TIGHT ON BOTH SIDES.

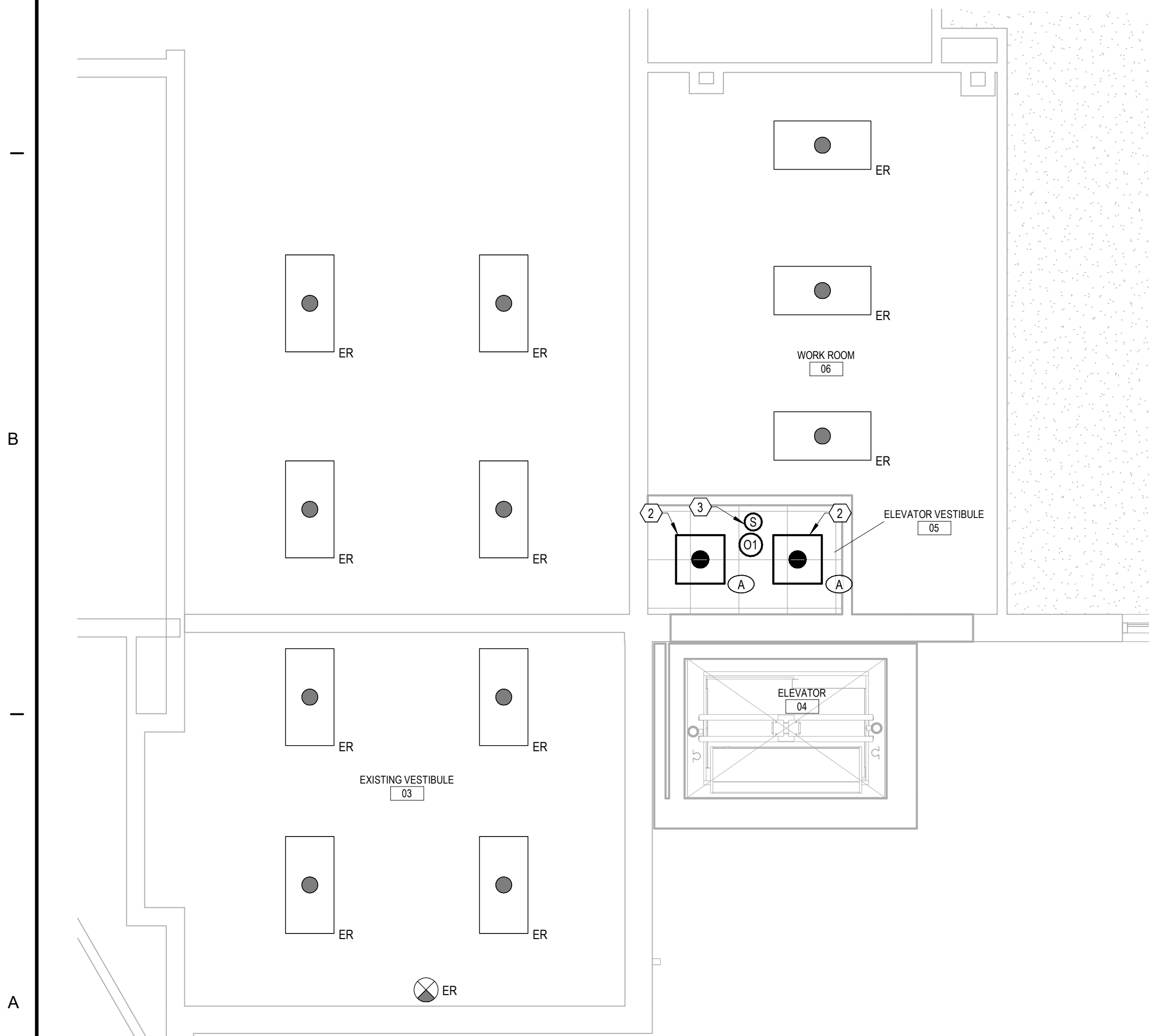
PROJECT		DRAWING	
HENRY COUNTY PUBLIC SCHOOLS GW CARVER E.S. ELEVATOR ADDITION 220 TROTT CIRCLE MARTINSVILLE, VA 24112		SINGLE LINE DIAGRAM - ELECTRICAL	
SHEET E-002			
DATE		FEB 28, 2025	
PROJECT		21195-17	
DESIGNED		MAR	
DRAWN		MAR	
CHECKED		WAM	
RRMM ARCHITECTS, PC 28 Church Ave SW Roanoke, Virginia 24011 (540)344-1212			
L P A LAWRENCE PERRY & ASSOCIATES Consulting Engineers		DESCRIPTION BY MARK DATE REVISIONS	
15 E Salem Avenue SE, Suite 101 Roanoke, Virginia 24011 Phone: (540) 342-1818 Fax: (540) 344-4410 Columb. No.: 24010-ES © Lawrence Perry and Associates, Inc.			

2/27/2025 1:08:42 AM Autodesk Docs/2/1195-17 HCPS GW Carver ES Elevator ES Elevator - ELEC - R24.rvt



BASEMENT FLOOR PLAN - NEW WORK - LIGHTING & FIRE ALARM

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



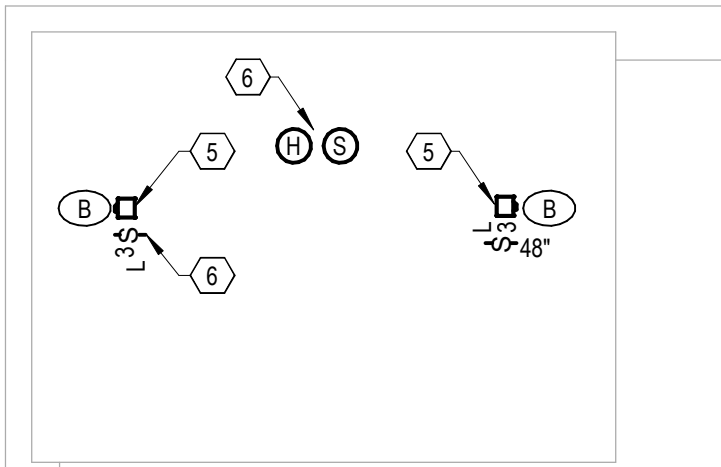
FIRST FLOOR PLAN - NEW WORK - LIGHTING & FIRE ALARM

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

SECOND FLOOR PLAN - NEW WORK - LIGHTING & FIRE ALARM

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

LIGHTING FIXTURE SCHEDULE					
FXTR TYPE	MOUNTING	LAMP (NO.) TYPE	MANUFACTURER & CATALOG NUMBER (BASIS OF DESIGN)	OTHER ACCEPTABLE MANUFACTURERS	REMARKS
A	GRID	LED	LITHONIA - CPNL-4400-40K-80-MVOLT-ELAPSMT	DAY-BRITE, LITHONIA	EM BATTERY
B	CONCRETE WALL	LED	VISION VPF9-4FT-NODIM-100W-40K-MVOLT-CLP-BLK-E10W	DAY-BRITE, LITHONIA	EM BATTERY



ELEVATOR PIT PLAN - LIGHTING & FIRE ALARM

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

GENERAL NOTES:

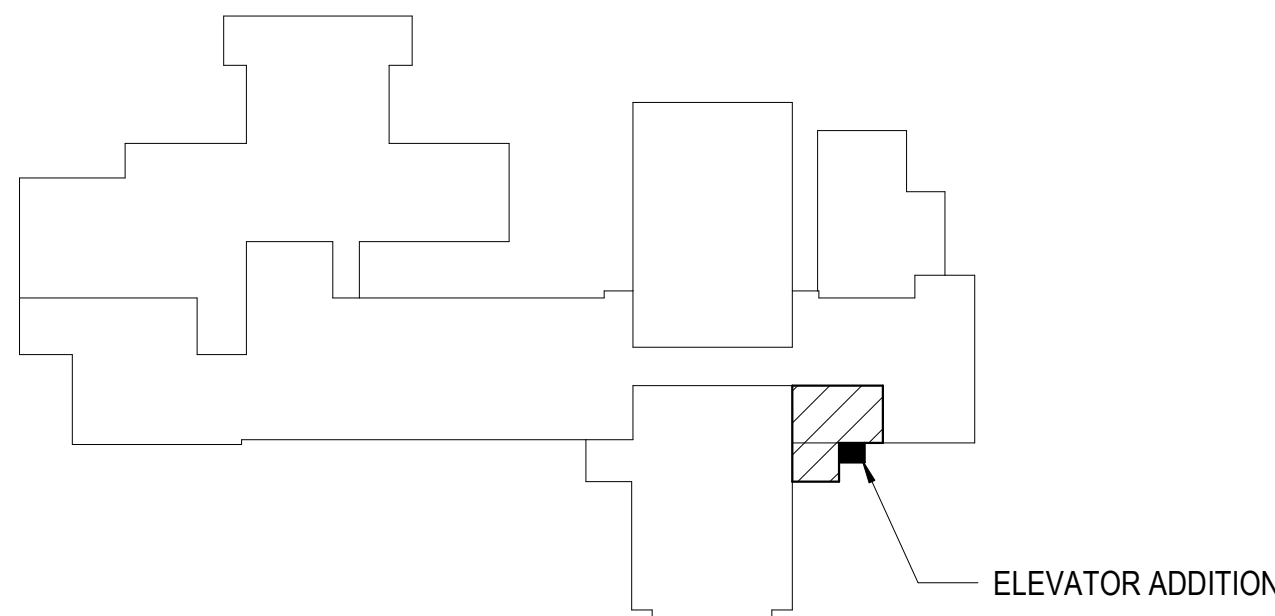
- CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE ENTIRE CONTRACT DOCUMENTS TO HAVE A COMPLETE UNDERSTANDING OF THE PROJECT SCOPE OF WORK AND SHALL COORDINATE WITH ALL DISCIPLINES AND THE OWNER'S REPRESENTATIVE PRIOR TO STARTING ANY WORK.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING PRIOR TO BIDDING WITH THE UTILITY COMPANY FOR ALL MATERIALS, LABOR, AND REQUIREMENTS THAT ARE NOT PROVIDED BY THE UTILITY COMPANY AND WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBLE FOR PROVIDING UNDER THEIR SCOPE OF WORK.
- THAT ARE THE CONTRACTOR SHALL COORDINATE ALL REQUIRED SHUTDOWNS WITH PROJECT MANAGER/GC AND OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL PROVIDE SIMPLU IMPREGNATED COLORED CODED INSULATION FOR ALL CONDUCTORS AND ALL CONDUCTOR SIZES OR EQUAL. NO COLOR TAPE WILL BE ACCEPTABLE FOR PHASE IDENTIFICATION.
- CONTRACTOR SHALL PROVIDE A GFCI RECEPTACLE AS SHOWN. NO DOWN STREAM PROTECTION WILL BE ACCEPTABLE, THIS IS TYPICAL FOR THE ENTIRE SCOPE OF WORK. NO DUPLEX, JUST GFCI TYPE.

PLAN NOTES:

- 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.
- 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 WATERWEATHER PROOF.
- 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.
- THE CONTRACTOR SHALL PROVIDE A DEDICATED FIRE ALARM LOOP TO THE ELEVATOR CONTROL PANEL AND ELEVATOR LOBBY'S SMOKE DETECTOR FOR FLOOR LEVELS. 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 IN THE LOWER BASEMENT NEAR THE EXISTING SHUTOBBARDS. THE APPROXIMATELY LENGTH IS 250'-0" VIA THE CRAWL SPACE. THE CONTRACTOR SHALL COORDINATE WITH FIRE MARSHAL/DISPATCHER FOR TESTING OF ALL NEW DEVICES.
- 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 GFCI RECEPTACLE, SUMP PUMP AND CAB LIGHTING. THE WILL PROVIDE THE SHUNT TRIP DISCONNECT SWITCH FOR CAB LIGHTING. ANOTHER (1) CIRCUIT WILL SUPPORT THE 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 THE PRIOR TO ROUGH-IN. THE CONTRACTOR SHALL PROVIDE BUSSMANN RK1 LOW PEAK, DUAL ELEMENT - TIME DELAY YELLOW FUSES, NOT RKs.
- THE CONTRACTOR SHALL PROVIDE A SMOKE DETECTOR AND HEAT DETECTOR IN THE PIT AND TIE-INTO THE EXISTING FIRE ALARM SYSTEM AND COORDINATE WITH THE ELEVATOR INSTALLER.



KEY PLAN
NOT TO SCALE



L P A
LAWRENCE PERRY & ASSOCIATES
Consulting Engineers
15 E Salem Avenue SE, Suite 101
Roanoke, Virginia 24011
P: (540) 342-1818
F: (540) 344-1819
C: Lawrence Perry and Associates, Inc.

DATE	PROJECT	DESIGNED	DRAWN	CHECKED
FEB 28, 2025	21195-17	MAR	MAR	WAM

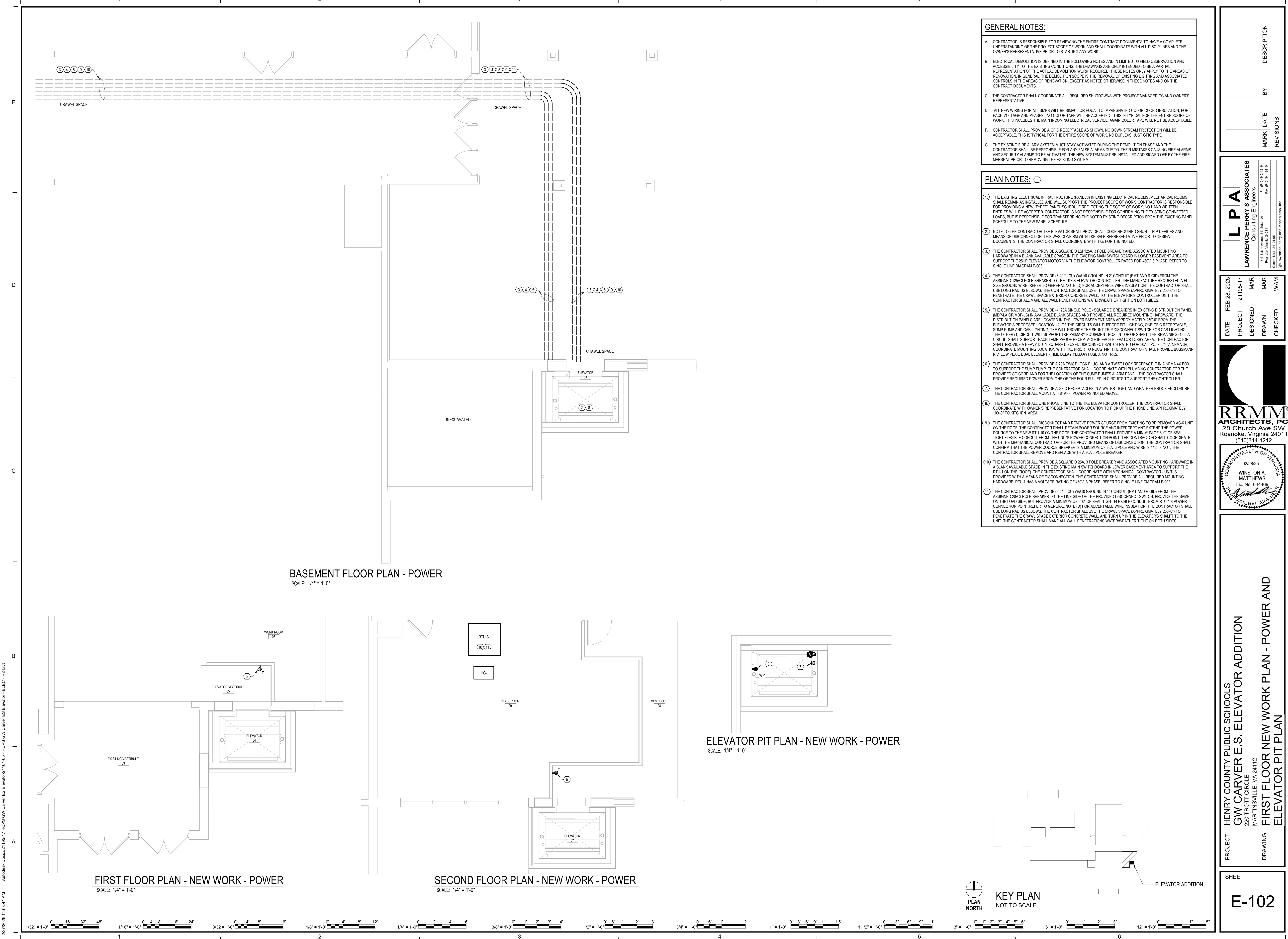
RRMM
ARCHITECTS, PC
28 Church Ave SW
Roanoke, Virginia 24011
(540) 344-1212

COMMONWEALTH OF VIRGINIA
02/28/25
WINSTON A. MATTHEWS
Lic. No. 044469
PROFESSIONAL ENGINEER

PROJECT **HENRY COUNTY PUBLIC SCHOOLS**
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112
DRAWING **FIRST & SECOND FLOOR DEMOLITION PLANS AND NEW WORK PLANS - LIGHTING AND FIRE ALARM**

SHEET
E-101

2/27/2025 1:08:44 AM Autodesk Docs/2/1195-17 HCPS GW Carver ES Elevator ES Elevator - ELEC - R24.rvt



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 GFCI RECEPTACLE AS SHOWN. NO DOWN STREAM PROTECTION WILL BE ACCEPTABLE. THIS IS TYPICAL FOR THE ENTIRE SCOPE OF WORK. NO DUPLEX, JUST GFCI 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 THE ELEVATOR SHALL PROVIDE ALL CODE REQUIRED SHUNT TRIP DEVICES AND MEANS OF DISCONNECTION. THIS WAS CONFIRM WITH THE 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 IN LOWER BASEMENT AREA TO SUPPORT THE 25HP ELEVATOR MOTOR VIA THE ELEVATOR CONTROLLER RATED FOR 480V, 3 PHASE. REFER TO SINGLE LINE DIAGRAM E-002.
- 4. THE CONTRACTOR SHALL PROVIDE (3#10 (CU) W#10 GROUND IN 2" CONDUIT (EMT 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 USE THE CRAWL SPACE (APPROXIMATELY 250'-0") TO PENETRATE THE CRAWL SPACE EXTERIOR CONCRETE WALL, TO THE ELEVATORS CONTROLLER UNIT. THE CONTRACTOR SHALL MAKE ALL WALL PENETRATIONS WATERWEATHER TIGHT ON BOTH SIDES.
- 5. THE CONTRACTOR SHALL PROVIDE (4) 20A SINGLE POLE - SQUARE D BREAKERS IN EXISTING DISTRIBUTION PANEL (MDP-LA OR MDP-LB) IN AVAILABLE BLANK SPACES AND PROVIDE ALL REQUIRED MOUNTING HARDWARE. THE DISTRIBUTION PANELS ARE LOCATED IN THE LOWER BASEMENT AREA APPROXIMATELY 250'-0" FROM THE ELEVATORS PROPOSED LOCATION. (2) OF THE CIRCUITS WILL SUPPORT PIT LIGHTING, ONE GFCI RECEPTACLE, SUMP PUMP AND CAB LIGHTING. THE WILL PROVIDE THE SHUNT TRIP DISCONNECT SWITCH FOR CAB LIGHTING. THE OTHER (1) CIRCUIT WILL SUPPORT THE 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 20A 3 POLE, NEMA 3B, COORDINATE MOUNTING LOCATION WITH TKE PRIOR TO ROUGH-IN. THE CONTRACTOR SHALL PROVIDE BUSSMANN RKT LOW PEAK, DUAL ELEMENT - TIME DELAY YELLOW FUSES, NOT RMS.
- 6. THE CONTRACTOR SHALL PROVIDE A 20A TWIST LOCK PLUG AND A TWIST LOCK RECEPTACLE IN A NEMA 4X BOX TO SUPPORT THE SUMP PUMP. THE CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR FOR THE PROVIDED 50' CORD AND FOR THE LOCATION OF THE SUMP PUMPS 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 GFCI RECEPTACLES IN A WATER TIGHT AND WEATHER PROOF ENCLOSURE. THE CONTRACTOR SHALL MOUNT AT 48" AFF. POWER AS NOTED ABOVE.
- 8. THE CONTRACTOR SHALL OWN 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 KITCHEN 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 SOURCE 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.
- 10. THE CONTRACTOR SHALL PROVIDE A SQUARE D 25A 3 POLE BREAKER AND ASSOCIATED MOUNTING HARDWARE IN A BLANK AVAILABLE SPACE IN THE EXISTING MAIN SWITCHBOARD IN LOWER BASEMENT AREA TO SUPPORT THE RTU-1 (ON THE ROOF). THE CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR - UNIT IS PROVIDED WITH A MEANS OF DISCONNECTION. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED MOUNTING HARDWARE. RTU-1 HAS A VOLTAGE RATING OF 480V, 3 PHASE. REFER TO SINGLE LINE DIAGRAM E-002.
- 11. THE CONTRACTOR SHALL PROVIDE (3#10 (CU) W#10 GROUND IN 1" CONDUIT (EMT AND RIGID) FROM THE ASSIGNED 20A 3 POLE BREAKER TO THE LINE-SIDE OF THE PROVIDED DISCONNECT SWITCH, PROVIDE THE SAME ON THE LOAD SIDE, BUT PROVIDE A MINIMUM OF 3'-0" OF SEAL-TIGHT FLEXIBLE CONDUIT FROM RTU-1'S POWER CONNECTION POINT. REFER TO GENERAL NOTE (D) FOR ACCEPTABLE WIRE INSULATION. THE CONTRACTOR SHALL USE LONG RADIUS ELBOWS. THE CONTRACTOR SHALL USE THE CRAWL SPACE (APPROXIMATELY 250'-0") TO PENETRATE THE CRAWL SPACE EXTERIOR CONCRETE WALL, AND TURN UP IN THE ELEVATORS SHAFT TO THE UNIT. THE CONTRACTOR SHALL MAKE ALL WALL PENETRATIONS WATERWEATHER TIGHT ON BOTH SIDES.

PROJECT

HENRY COUNTY PUBLIC SCHOOLS
GW CARVER E.S. ELEVATOR ADDITION
220 TROTT CIRCLE
MARTINSVILLE, VA 24112

DRAWING

FIRST FLOOR NEW WORK PLAN - POWER AND
ELEVATOR PIT PLAN

DATE

FEB 28, 2025

PROJECT

21195-17

DESIGNED

MAR

DRAWN

MAR

CHECKED

WAM

BY

REVISIONS

DESCRIPTION

L P A

LAWRENCE PERRY & ASSOCIATES

Consulting Engineers

15 E Salem Avenue SE, Suite 101
Roanoke, Virginia 24011
Phone: (540) 344-1818
Fax: (540) 344-1819
Email: info@lpa-engineers.com
© Lawrence Perry and Associates, Inc.

COMMONWEALTH OF VIRGINIA

02/28/25

WINSTON A. MATTHEWS

Lic. No. 044469

PROFESSIONAL ENGINEER

SHEET

E-102