Vestal
Central School District

201 Main Street, Vestal, NY 13850

2022 CAPITAL PROJECT - PHASE 3

HA–PN: 2025–151

LIST OF DRAWINGS

AFRICAN ROAD ELEM/MS

600 S. Benita Boulevard ⁝ Vestal, NY 13850

NYSED # 03-16-01-06-0-013-018

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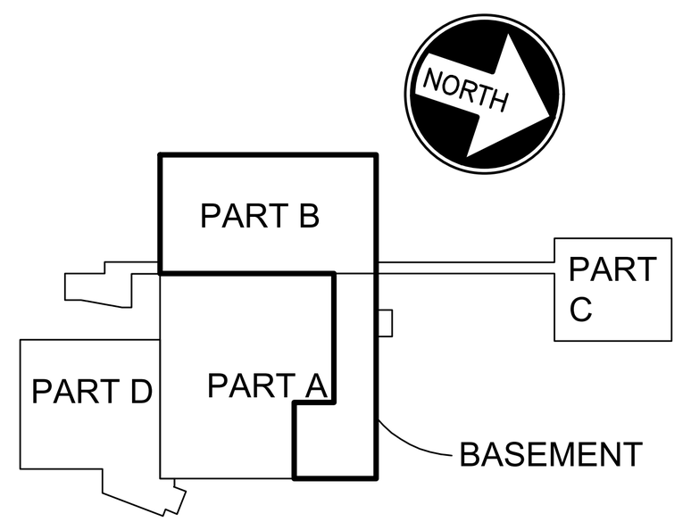
H002	SECOND FLOOR ABATEMENT PLAN

BID DOCUMENTS
2/9/25

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
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New York • Pennsylvania

PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:	
COVER SHEET	
DRAWN BY: DN	PROJECT NO.: 2025-151P
CHECKED BY: CTP	DRAWING NO.: CS-100
DATE: 02-09-2026	

GENERAL NOTES

ALL NOTES BELOW ARE THE RESPONSIBILITY OF ALL CONTRACTS

1. ANY ITEM SHOWN ON THE DRAWINGS AND NOT INCLUDED IN THE SPECIFICATIONS, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. SUBMIT SPECIFICATIONS TO THE ARCHITECT FOR APPROVAL.

2. CONTRACTOR IS TO PROVIDE ALL ITEMS GRAPHICALLY REPRESENTED IN THE DRAWINGS WHETHER IT IS DETAILED, DESIGNATED OR NOT, INCLUDING BUT NOT LIMITED TO DOORS, GATES, STEPS, STAIRS, WALKS, CIVIL, ARCHITECTURAL, HVAC, ELECTRICAL, PLUMBING AND FIRE PROTECTION ELEMENTS ETC. REQUEST SPECIFICATION INFORMATION FROM THE ARCHITECT/ENGINEER.

3. THE CONTRACTOR SHALL INVESTIGATE JOB SITE TO COMPARE CONTRACT DOCUMENTS AND EXISTING CONDITIONS. INCLUDE COST FOR ALL WORK DESCRIBED IN CONTRACT DOCUMENTS AND REQUIRED OR IMPLIED BY EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND NEW WORK, OMISSIONS OR CONFLICTS IN THE DRAWINGS AND ANY RESTRICTIONS RELATED TO THE EXECUTION OF THE WORK.

4. CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH THE CONDITIONS OF THE CONTRACT, LOCAL CONDITIONS RELATING TO LOCATION, ACCESSIBILITY AND GENERAL CHARACTER OF THE CONSTRUCTION SITE AND LOCAL LABOR CONDITIONS SO THAT HE UNDERSTANDS THE NATURE, EXTENT, DIFFICULTIES, AND RESTRICTIONS RELATED TO THE EXECUTION OF WORK. NOTIFY ARCHITECT OF ALL DISCREPANCIES PRIOR TO COMMENCING WORK.

5. IF THERE IS A CONFLICT IN THE DOCUMENTS, THE BETTER QUALITY AND OR GREATER QUANTITY WILL BE PROVIDED BY THE CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST INTERPRETATION FROM THE ARCHITECT/ENGINEER PRIOR TO PROVIDING ANY ITEM IN QUESTION. IF THE CONFLICT IS NOT REPORTED TO THE ARCHITECT/ENGINEER, AND THE CONTRACTOR PROVIDES THE ITEM IN QUESTION, THE CONTRACTOR SHALL BE REQUIRED TO REPLACE THE ITEM AT NO ADDITIONAL COST TO THE OWNER.

6. THE CONTRACTOR SHALL ISSUE COMPLETE SETS OF THE CONTRACT DOCUMENTS TO EACH OF THE SUBCONTRACTORS FOR COORDINATION OF THEIR WORK AND DESCRIPTION OF SCOPE OF THE WORK. COORDINATE ALL DEMOLITION AND CONSTRUCTION WITH OTHER TRADES.

7. THE CONTRACTOR SHALL APPLY FOR, OBTAIN AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND APPROVALS BY LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT. PROVIDE COPIES OF ALL TRANSACTIONS TO OWNER. NOTIFY ARCHITECT OF ANY VARIANCE WITH CODES IN FORCE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK.

8. THE CONTRACTOR SHALL PROVIDE, AND PAY FOR ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT, WAREHOUSING, TRANSPORTATION AND DELIVERY COSTS, HOISTING, REMOVAL OF TRASH AND DEBRIS, AND OTHER FACILITIES AND SERVICES NECESSARY FOR THE EXECUTION AND COMPLETION OF THE WORK.

9. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR, AND HAVE CONTROL OVER, ALL CONSTRUCTION MEANS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK REQUIRED BY THE CONTRACT DOCUMENTS.

10. THE ARCHITECT/ENGINEER IS NOT RESPONSIBLE FOR ERRORS, OMISSIONS OR DELAYS BY THE CONTRACTOR.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTS AND OMISSIONS OF THE CONTRACTOR'S EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH A CONTRACTOR.

12. OTHER CONTRACTORS AND THEIR SUBCONTRACTORS MAY BE WORKING ON THE PREMISES SIMULTANEOUS WITH THE DURATION OF THIS CONTRACT. NO ACTION SHALL BE TAKEN ON THE PART OF THIS CONTRACTOR OR ANY SUBCONTRACTOR TO IMPEDE THE ACCESS OR OPERATION OF ANY OTHER CONTRACTOR ON THE PREMISES, UNION OR NON-UNION.

13. SCHEDULE WORK TO BE COMPLETED PER THE SPECIFICATIONS, OWNER AND CONSTRUCTION MANAGER.

14. THE CONTRACTOR SHALL COMPLY AND COORDINATE ALL WORK WITH BUILDING OWNER REGARDING HEAT, WATER, ELECTRICITY, DELIVERIES, ACCESS, ELEVATOR AVAILABILITY, NOISE CONTROL, TRASH AND DEBRIS REMOVAL, HOISTING, AND ANY OTHER UTILITIES OR OWNER'S RULES AND REGULATIONS CONCERNING THE PROJECT SITE.

15. THE CONTRACTOR SHALL PROCURE MATERIALS SO AS NOT TO DELAY SUBSTANTIAL COMPLETION. NOTIFY ARCHITECT WITHIN 5 DAYS OF EXECUTION OF CONTRACT OF ANY MATERIAL DELIVERY WHICH COULD DELAY COMPLETION OF CONTRACT.

16. THE CONTRACTOR SHALL COORDINATE SCHEDULING, PROVISIONS FOR INSTALLATION, LOCATIONS AND THE ACTUAL INSTALLATION OF ITEMS FURNISHED BY OWNER OR BY OTHERS.

17. COORDINATE WORK WITH ALL TRADES ON THE PROJECT NOT UNDER CONTRACT TO THE CONTRACTOR. ANY CHANGES OR DELAYS ARISING FROM CONFLICTS BETWEEN SUCH TRADES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

18. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD. CONTRACT DRAWINGS ARE NOT INTENDED TO REPRESENT EXACT DIMENSIONS. VERIFICATION OF DIMENSIONS IS THE RESPONSIBILITY OF THE CONTRACTOR FOR ALL PHASES OF THE PROJECT INCLUDING BIDDING, FABRICATION, COORDINATION AND CONSTRUCTION. DIMENSIONS OF EXISTING ELEMENTS ARE FOR GENERAL INFORMATION ONLY AND MUST BE VERIFIED IN THE FIELD.

22. CHANGES IN DRAWINGS OR ACTUAL WORK SHALL BE ISSUED BY THE ARCHITECT.

23. DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN. LARGE SCALE DETAILS GOVERN OVER SMALL SCALE DETAILS.

24. PERFORM ALL WORK AND INSTALL MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS AND IN A MANNER CONSISTENT WITH INDUSTRY STANDARD OF WORKMANSHIP AND SAFETY PROCEDURES.

25. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL NECESSARY COVERINGS, PROTECTIVE ENCLOSURES, TEMPORARY DOORS AND PARTITIONS AND DUST BARRIERS TO PROTECT ALL EXISTING WORK AND FINISHES TO REMAIN. LOCATION OF SUCH PROTECTION SHALL BE VERIFIED WITH OWNER PRIOR TO COMMENCING WORK AND IN COORDINATION WITH PROGRESSION OF WORK SCHEDULE. PERFORM WORK IN A MANNER THAT WILL AVOID HAZARDS TO PERSONS IN ADJACENT AREAS AND THAT WON'T INTERFERE WITH WORK OR PASSAGE TO ANY OF THESE AREAS. REPAIR AND REPLACE ANY DAMAGED MATERIAL CAUSED BY IMPROPER PROTECTIONS AT NO ADDITIONAL CHARGE TO OWNER. A WEATHER TIGHT SYSTEM ENCLOSURE AND TEMPORARY HEAT WHEN REQUIRED TO COMPLETE THE WORK IS REQUIRED FOR THE COMPLETE BUILDING THROUGHOUT THE ENTIRE PROJECT.

26. CONTRACTOR TO REMOVE ANY STRAY PAINT, DIRT, OR STAINS INCURRED DURING THE CONSTRUCTION PROCESS. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TEMPORARY EQUIPMENT COVERINGS USED DURING CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR REMOVING HIS TRASH OFF OF THE JOB SITE DAILY.

27. WORK DAMAGED DURING CONSTRUCTION OR NOT CONFORMING TO SPECIFIED STANDARDS, TOLERANCES OR MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE WORK INCLUDES ALL BUILDING AND SITE ELEMENTS.

28. THE CONTRACTOR SHALL MAINTAIN ALL EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES AND LIFE SAFETY SYSTEMS IN WORKING ORDER AS REQUIRED BY CODE.

29. EXIT DOORS, EGRESS DOORS, AND OTHER DOORS REQUIRED FOR MEANS OF EGRESS DURING CONSTRUCTION SHALL BE OPERABLE FROM THE INSIDE WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

30. THE CONTRACTOR SHALL PERFORM ALL CUTTING AND WELDING IN COMPLIANCE WITH THE PUBLISHED STANDARDS OF NFPA. THE CONTRACTOR SHALL PROVIDE FIRE WATCHES FOR ALL CUTTING, GRINDING, AND WELDING OPERATIONS. THE TRAINING OF THESE FIRE WATCHES AND THE USE OF THE CONTRACTOR'S SUPPLIED FIRE EXTINGUISHERS IS THE RESPONSIBILITY OF THE CONTRACTOR.

31. ANY AREA OUTSIDE THE LIMITS OF CONSTRUCTION DISTURBED BY OPERATIONS OF THE CONTRACTOR SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS AT THE CONTRACTOR'S EXPENSE.

32. THE USE OF RECYCLED FILL MATERIALS IS PROHIBITED UNDER ANY STRUCTURE. ALL FILL UNDER STRUCTURES IS TO BE ITEM 4 IN NEW YORK AND PENNDOT 2A SELECT STRUCTURAL FILL IN PENNSYLVANIA. NO SUBSTITUTIONS WILL BE ACCEPTED.

33. CONTRACTOR SHALL PROVIDE MEANS OF CONVEYING ALL MATERIALS TO AND FROM ROOF.

34. CONTRACTOR SHALL BE MADE AWARE THAT ANY EXISTING EQUIPMENT "TO REMAIN" MUST BE PROTECTED DURING THE DEMOLITION AND CONSTRUCTION PROCESS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO EQUIPMENT AND PROVIDE TEMPORARY COVERING FOR ALL EXISTING EQUIPMENT TO REMAIN.

35. REPAIR AND/OR REPLACE EXISTING ITEMS NOT SCHEDULED OR NOTED TO BE DEMOLISHED, AND NOT SPECIFIED TO BE REMOVED, BUT WHICH BECOME DAMAGED DURING THE PROGRESS OF THE WORK. MAKE ANY AND ALL SUCH REPAIRS, REPLACEMENTS AND MODIFICATIONS TO RESTORE THE DAMAGED ITEMS TO THEIR ORIGINAL CONDITION AT THE TIME OF DAMAGE, TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE OWNER.

36. 24 HOURS PRIOR TO OCCUPANCY OF ANY PHASE, THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL SURFACES OF DUST, DEBRIS, LOOSE CONSTRUCTION MATERIAL AND EQUIPMENT. VACUUM OR MOP ALL FLOORS AND CLEAN WINDOWS.

37. THE CONTRACTOR SHALL PROVIDE A WARRANTY TO THE OWNER THAT ALL MATERIALS, AND EQUIPMENT FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE NEW, UNLESS OTHERWISE SPECIFIED, AND THAT ALL WORK SHALL BE OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND SHALL CONFORM TO THE CONTRACT DOCUMENTS.

38. FOR A PERIOD OF ONE YEAR BEGINNING AT THE DATE OF SUBSTANTIAL COMPLETION, CONTRACTOR SHALL PROMPTLY CORRECT WORK FOUND NOT TO BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR SHALL BEAR ALL COST OF CORRECTIONS.

39. THE CONTRACTOR. SHALL SUBMIT FOR ARCHITECT'S REVIEW ALL BUILDING STANDARD SAMPLES AND PRODUCT LITERATURE. CONTRACTOR TO ALSO SUBMIT SAMPLES AND PRODUCT LITERATURE AND OTHER PERTINENT DATA FOR ARCHITECT'S CONSIDERATION OF ANY PROPOSED SUBSTITUTIONS.

40. THE CONTRACTOR. SHALL SUBMIT FOR ARCHITECT'S REVIEW PRIOR TO FABRICATION OR PURCHASE, SHOP DRAWINGS OR SAMPLES FOR ALL MILLWORK, CUSTOM METALWORK, CUSTOM CASEWORK, AND ALL OTHER ITEMS AS REQUESTED BY THE ARCHITECT FOR ALL ABOVE BUILDING STANDARD ITEMS.

41. PERFORM ALL INTERIOR AND EXTERIOR WORK INSTALLING MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS AND IN A MANNER CONSISTENT WITH INDUSTRY STANDARD OF WORKMANSHIP. FOLLOW ALL SAFETY PROCEDURES TO PROTECT WORKERS, GENERAL PUBLIC, AND BUILDING OCCUPANTS.

42. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS OF CONSTRUCTION DURING OCCUPANCY.

43. REVIEW ALL PRODUCT S.D.S (SAFETY DATA SHEET) INFORMATION ON ALL MATERIALS AND FOLLOW ALL SAFETY AND APPLICATION PROCEDURES.

44. THE FOLLOWING LIST IS A SAMPLE OF ITEMS THAT REQUIRE SPECIAL PRECAUTIONS: PAINTS, STAINS, SOLVENTS, VAPORS, EPOXY, CORROSIVES, CONTAMINANTS, VAPOR EMISSION COMPLIANCE TREATMENTS, ADHESIVES, GLUES, CLEANING SOLUTIONS, PROPANE, FUELS, WELDING, CHEMICALS, ETC...

45. ANY FABRICATION AND/OR INSTALLATION WHICH HAS NOT BEEN PROPERLY COORDINATED WITH APPROVED EQUIPMENT MANUFACTURE AND MUST BE REPAIRED, RELOCATED, ALTERED, REPLACED, RE-INSTALLED OR MODIFIED IN ANY MANNER WILL BE DONE TO THE SATISFACTION OF THE OWNER WITH NO ADDITIONAL COST TO THE OWNER OR DESIGN PROFESSIONAL

46. ALL TRADES ARE RESPONSIBLE FOR CLEAN UP AT THE END OF EACH DAY AND REQUIRED TO HAVE AT LEAST ONE ON SITE LABORER CLEANING THROUGHOUT THE DAY.

CONCRETE WORK

47. ALL CONCRETE WALKS TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION ARE TO BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

48. ALL CONCRETE SLABS, NEW OR EXISTING, ARE REQUIRED TO SLOPE TO FLOOR DRAINS UNLESS SPECIFICALLY DESIGNATED OTHERWISE.

MASONRY WORK

49. MASONRY CONTRACTOR TO INSTALL BRICK WALLS AS PER DRAWINGS AND SPECIFICATIONS. ALL INSTALLATION METHODS, DETAILS, RECOMMENDATIONS, LATEST TECHNICAL DEVELOPMENTS, ETC. SHALL BE AS PER THE BRICK INSTITUTE OF AMERICA, 11490 COMMERCE PARK DRIVE RESTON VIRGINIA 22091. 703-620-0010.

50. PROPER BRICK BACK UP SYSTEM, ANCHORS, ETC. MUST BE IN PLACE PRIOR TO INSTALLING ANY BRICK. CONTRACTOR MUST NOT INSTALL ANY BRICK IF BACK UP SYSTEM IS NOT PROPERLY CONSTRUCTED. NOTIFY CONSTRUCTION MANAGER AND ARCHITECT IMMEDIATELY.

51. ALL CONCRETE MASONRY WALLS (C.M.U) TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL CONCRETE MASONRY ASSOCIATION. 2302 HORSE PEN ROAD, HERNDON, VIRGINIA 22071-3406

52. REFER TO WALL SECTIONS FOR WEEP VENTS, WEEP HOLES, FLASHINGS, ANCHORS, ETC.

52. IF TEMPERATURES ARE BELOW FREEZING, CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROPER ENCAPSULATION TO KEEP TEMPERATURE ABOVE FREEZING.

STEEL AND METAL WORK

53. ANY STEEL THAT IS GRAPHICALLY REPRESENTED ON THE ARCHITECTURAL DRAWINGS MUST BE PROVIDED. REQUEST SIZE INFORMATION FROM THE ARCHITECT/ENGINEER. ANY STEEL NOT SHOWN ON THE STRUCTURAL DRAWINGS IS TO BE FURNISHED BY THE GENERAL TRADES CONTRACTOR.

54. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVISION AND INSTALLATION OF ALL SUPPLEMENTAL MISCELLANEOUS IRON AND/OR STRUCTURAL STEEL (16 GA.) STUDDING REQUIRED TO ADEQUATELY SUPPORT ALL GYPSUM WALLBOARD DROPS SOFFITS, CORNICES, ETC. FROM THE STRUCTURAL STEEL ABOVE.

55. GENERAL CONTRACTOR SHALL CLOSELY COORDINATE THE INSTALLATION OF THE REQUIRED SUPPLEMENTAL MISC. IRON AND/OR STRUCTURAL STEEL STUDDING SO AS CONDUIT, SPRINKLER SYSTEM AND/OR ACOUSTICAL SUSPENDED CEILING SYSTEM ETC... CAN BE INSTALLED PROPERLY.

56. CONTRACTOR TO SUBMIT DETAILED SHOP DRAWING OF SUPPLEMENTAL MISC. IRON AND/OR STRUCT. STL. STUDDING TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION OF SAME.

57. STRUCTURAL STEEL FABRICATOR AND INSTALLER SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL FRAMED OPENINGS IN ROOF WITH APPROVED EQUIPMENT MANUFACTURES. OPENINGS SUCH AS, BUT NOT LIMITED TO MECHANICAL UNITS, EXHAUST FANS, CURB MOUNTED EQUIPMENT, ROOF DRAINS, SKYLIGHTS, STAIR OPENINGS, ROOF HATCHES, SMOKE HATCHES, DUCT THROUGH ROOF PENETRATIONS, EXPANSION JOINTS, ETC. EXACT SIZES AND EXACT LOCATIONS OF ALL OPENINGS ARE TO BE VERIFIED WITH THE APPROVED SHOP DRAWINGS ISSUED FOR THE INSTALLATION. THE EXACT SIZES SHALL BE COORDINATED PRIOR TO ANY FABRICATION AND INSTALLATION BY ANY/ALL TRADES. SIZES AND LOCATIONS OF OPENINGS INDICATED ON THE CONTRACT DRAWINGS ARE DIAGRAMMATIC AND FOR GENERAL INFORMATION ONLY. ANY FABRICATION AND/OR INSTALLATION WHICH HAS NOT BEEN PROPERLY COORDINATED WITH APPROVED EQUIPMENT MANUFACTURE MUST BE REPAIRED, RELOCATED, ALTERED, REPLACED, REINSTALLED OR MODIFIED TO THE SATISFACTION OF THE OWNER WITH NO ADDITIONAL COST TO THE OWNER OR THE DESIGN PROFESSIONAL.

58. ALL EXTERIOR STRUCTURAL STEEL MEMBERS TO RECEIVE HIGH PERFORMANCE COATING UNLESS OTHERWISE NOTED. ALL STEEL MEMBERS SHALL HAVE ONE SHOP COAT OF PAINT (PRIMER ONLY) UNLESS OTHERWISE NOTED. ANY INTERIOR STRUCTURAL STEEL THAT IS NOTED TO BE FIREPROOFED IS TO HAVE NO PRIMER COAT, UNLESS OTHERWISE NOTED.

59. WHERE TWO DISSIMILAR METALS MEET, PAINT FACE OF ONE WITH BITUMINOUS PAINT.

60. ANY ADDITIONAL STEEL THAT IS REQUIRED DUE TO SUBSTITUTION OF EQUIPMENT OR SYSTEMS IS TO BE PROVIDED BY THE CONTRACTOR MAKING THE SUBSTITUTION AT NO ADDITIONAL COST TO THE OWNER.

THERMAL, MOISTURE AND SOUND ISOLATION PROTECTION, FIRE PROOFING

61. CONTRACTOR IS TO PROVIDE TEMPORARY WATERTIGHT WEATHERPROOF CLOSURES AT ALL ROOF OPENINGS UNTIL AFTER INSTALLATION OF MECHANICAL UNITS, DRAINS, VENTS, ETC. ROOF IS THEN TO BE RESEALED WEATHER-TIGHT.

62. ALL PENETRATIONS THROUGH RATED WALLS ARE TO BE SEALED TO MAINTAIN INTEGRITY OF WALL CONSTRUCTION AND RATING.

63. ALL INSULATION EXPOSED TO CEILING PLENUM IS TO BE FIRE AND DUST PROOF.

64. INSULATION WILL NOT BE LEFT EXPOSED IN ANY FINISHED SPACE. AT A MINIMUM, THE INSULATION WILL BE COVERED WITH GYPSUM BOARD, TAPED, SPACKLED, SANDED AND PAINTED.

65. CONTRACTOR IS TO REPLACE ANY SPRAY-ON FIREPROOFING DAMAGED DURING CONSTRUCTION SO AS TO MAINTAIN INTEGRITY OF INSTALLATION

66. WHEREVER A FOAM BACKER ROD AND SEALANT ARE USED, THE SEALANT AND BACKER ROD MUST BE COMPATIBLE WITH EACH OTHER. USE A SIZE BACKER ROD THAT COMPRESSES 25% WHEN INSERTED INTO THE JOINT. (TYPICAL ALL JOINTS)

67. ALL EXTERIOR WINDOWS, DOORS, LOUVERS, VENTS, EXHAUST FANS, PIPE PENETRATIONS, AND ALL OTHER PENETRATIONS THRU EXTERIOR WALLS SHALL BE SEALED ALL AROUND WITH SEALANT. (BOTH ON EXTERIOR AND INTERIOR SIDES)

68. ALL ROOF WORK SHALL BE DONE IN ACCORDANCE WITH EXIST. ROOF MANUFACTURES RECOMMENDATIONS SO AS NOT TO VOID ANY EXISTING ROOF WARRANTIES. CONSULT WITH EXISTING ROOF MANUFACTURER PRIOR TO DOING ANY WORK. PROVIDE ALL NECESSARY ROOF PROTECTION TO MAINTAIN ROOF PERFORMANCE AND WARRANTY.

69. ALL OPENINGS / PENETRATIONS IN WALLS, FLOORS AND CEILINGS SHALL BE SEALED WITH NELSON FIRE-STOP PRODUCTS (1-800-331-7325) OR APPROVED EQUAL. PRODUCT USE SHALL BE AS RECOMMENDED BY NELSON AND MUST MAINTAIN RATING OF ALL WALLS, FLOORS AND CEILINGS. ALL PENETRATIONS REQUIRE SEALANT, SUCH AS BUT NOT LIMITED TO THE FOLLOWING:
STRUCTURAL STEEL, PIPING, CONDUITS, DUCTWORK, WIRING ETC. CONTRACTOR MUST PROVIDE DETAILED SHOP DWGS. OF ALL PENETRATIONS FOR ARCHITECTS REVIEW, NO EXCEPTIONS. MARK AND IDENTIFY FIRE / SMOKE RATED PARTITIONS IN CONCEALED SPACES PER IBC. 703.7

70. FOR INSTALLATION OF INSULATION & VAPOR / AIR BARRIERS, INCLUDING ALL TYPES OF INSULATION: BATTS, SPRAY INSULATION, ACOUSTICAL, ETC. (REFER TO DRAWINGS AND SPECIFICATIONS FOR TYPES) CONTRACTOR MUST INSTALL INSULATIONS & VAPOR / AIR BARRIERS AS PER MANUFACTURER'S INSTRUCTIONS, SPECIFICATIONS, METHODS, RECOMMENDATIONS, STANDARDS, PROCEDURES, ETC. FOR EACH TYPE OF INSULATION & VAPOR / AIR BARRIER. SEALING OF ALL GAPS TO PROVIDE A CONTINUOUS ENVELOPE, ATTACHMENT, JOINT SEALING, CONDENSATION CONTROL, THERMAL PERFORMANCE, ACOUSTICAL PERFORMANCE, FIRE PERFORMANCE RATINGS, AESTHETICS, ASTM STANDARDS COMPLIANCE, INTERNATIONAL BUILDING CODE, LOCAL CODES, UNDERWRITERS LABORATORIES, FACTORY MUTUAL, EPA, ETC. MUST ALL BE FOLLOWED.

71. REFER TO MECHANICAL (HVAC), PLUMBING AND ELECTRICAL DRAWINGS FOR DETAILS OF UTILITY WALL PENETRATIONS.

72. TEMPORARY PROTECTION GUIDELINES FOR ROOF AREAS DURING CONSTRUCTION ARE AS FOLLOWS:

    A. ROOF IS DESIGNED FOR LIVE LOAD OF 30LBS/S.F. MAXIMUM. (DO NOT EXCEED THIS LOADING.)

    B. STORAGE OF MATERIALS AND EQUIPMENT ON ROOFS DURING CONSTRUCTION AND ON COMPLETED ROOF MEMBRANES IS NOT ALLOWED TO AVOID OVERLOADING THE ASSEMBLY OR UNDERLYING STRUCTURAL SYSTEM AND TO PROVIDE PROPER MEMBRANE PROTECTION.

    C. IF CONSTRUCTION TRAFFIC IS REQUIRED IN CERTAIN ROOF AREAS AND/OR PATHWAYS, A TEMPORARY WALKWAY/PROTECTION SYSTEM MUST BE PROVIDED. TEMPORARY PROTECTION SYSTEM MUST CONSIST OF TARPS OVER STRUCTURAL PLYWOOD SHEATHING OVER HIGH DENSITY RIGID INSULATION.

    D. IF ADDITIONAL WORK IS REQUIRED OVER COMPLETED ROOF AREAS, A TEMPORARY PROTECTION MUST BE PROVIDED. TEMPORARY SYSTEM MUST CONSIST OF TARPS OVER STRUCTURAL PLYWOOD SHEATHING OVER HIGH DENSITY RIGID INSULATION.

    E. THE COMPLETED ROOF MEMBRANE MUST BE CONSTANTLY MONITORED AND CLEANED TO PREVENT ACCUMULATION OF SHARP OBJECTS AND/OR DEBRIS THAT COULD DAMAGE THE MEMBRANE. ALL CONTRACTORS/TRADES SHALL BE RESPONSIBLE FOR DAILY CLEAN-UP AND REMOVAL OF DEBRIS.

    F. ANY MATERIALS THAT MAY ADVERSELY AFFECT THE ROOF MEMBRANE SHOULD BE IDENTIFIED AND THEIR PROPER USE (AND REQUIRED MEMBRANE PROTECTION) UNDERSTOOD AND CLOSELY MONITORED.

    G. ALL ROOF TEMPORARY PROTECTION SYSTEMS AND MATERIALS MUST BE APPROVED BY THE ROOFING MANUFACTURER SO AS NOT TO VOID ANY WARRANTIES.

    H. THE TEMPORARY PROTECTION SYSTEM IS PART OF CONTRACT AND SHALL BE PROVIDED BY CONTRACTOR DOING THE WORK. ALL TEMPORARY ROOF PROTECTION SYSTEMS, PROCEDURES, AND METHODS SHALL BE PROVIDED, INSTALLED, AND REMOVED UPON COMPLETION OF CONSTRUCTION, AT NO ADDITIONAL COST.
    I. ALL WORK DAMAGED DURING CONSTRUCTION SHALL BE REPLACED, BY THE CONTRACTOR, AT NO ADDITIONAL COST (TYPICAL).

ACOUSTICAL PERFORMANCE

72. ALL NEW STC RATED PARTITIONS SHALL HAVE SOUND ATTENUATION INSULATION BLANKETS FROM CONCRETE SLAB TO UNDERSIDE OF DECK ABOVE. THICKNESS OF INSULATION IS TO MATCH THICKNESS OF STUD FRAME TO FILL VOIDS COMPLETELY. SEE PARTITION LEGEND FOR ADDITIONAL INFORMATION.

73. ALL PERIMETER EDGES OF STC RATED PARTITIONS SHALL BE CAULKED WITH AN ACOUSTICAL SEALER, CONTINUOUS.

74. AT ALL PENETRATIONS (DUCTS, PIPES, CONDUITS, ETC.) THRU ANY STC RATED PARTITIONS, PROVIDE 1" SPACE AROUND PERIMETER. VOID SHALL BE PACKED WITH SOUND ATTENUATION BLANKETS AND CAULKED WITH ACOUSTICAL SEALANT. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

75. WRAP BACKSIDE OF BOXES WITH MOLDABLE ACOUSTIC DEADENING SOUND MAT AND PACK AROUND ALL ELECTRICAL OUTLETS AND SWITCH BOXES WITH SOUND ATTENUATION INSULATION (THICKNESS TO MATCH VOID) AND CAULK WITH ACOUSTICAL SEALANT. ELECTRICAL CONTRACTOR SHALL NOT INSTALL ANY OUTLETS BACK TO BACK. INSTALL ONLY ONE BOX PER STUD CAVITY.

76. ALL WALL PANELS TO BE RECESSED IN A SOUND ATTENUATION LINED BOX. CONDUITS INTO BOX TO BE ACOUSTICALLY PACKED AND CAULKED WITH ACOUSTICAL SEALANT.

77. INSULATE AROUND ALL CONDUITS, PIPES, ETC. - RUN IN STUD PARTITIONS WITH 3\" SOUND ATTENUATION INSULATION.

OPENINGS, PENETRATIONS, WOODS, PLASTICS, STEEL FRAMING, STEEL STUDS AND BRACING

78. ALL EXTERIOR WINDOWS, DOORS, LOUVERS, VENTS, EXHAUST FANS, DUCTWORK, CONDUIT AND PIPE PENETRATIONS, AND ALL OTHER PENETRATIONS THROUGH EXTERIOR WALLS SHALL BE SEALED COMPLETELY AROUND WITH SEALANT. (BOTH ON EXTERIOR AND INTERIOR SIDES)

79. ALL WOOD TO BE FIRE RETARDANT TYPICAL UNLESS OTHERWISE NOTED.

80. ALL WOOD ON EXTERIOR WALLS AND ROOF TO BE MOISTURE RESISTANT UNLESS OTHERWISE NOTED.

81. CONTRACTOR IS TO PROVIDE ALL MISC. FRAMING, BLOCKING, ETC. TO HANG SCREENS, BULLETIN BOARDS, RAILS, TOILET ACCESSORIES, WOODWORK, ETC.

82. ALL INTERIOR PARTITIONS WHICH RECEIVE CERAMIC TILE SHALL BE 20 GAGE MIN. AT 12" O.C. WITH HORIZONTAL COLD ROLLED STIFFENER CHANNELS AT 4'-0" O.C. (MAX.) AND EXTEND FROM FINISHED FLOOR TO STRUCTURE ABOVE. 20 GAGE DIAGONAL STUD KICKERS MUST ALSO BE INSTALLED AT EVERY OTHER VERTICAL STUD ABOVE CEILING.

83. PROVIDE STEEL AND OR STEEL FRAMING FOR ALL ROOF MOUNTED EQUIPMENT INCLUDING BUT NOT LIMITED TO HVAC, ELECTRICAL AND PLUMBING EQUIPMENT.

84. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLATION OF ALL SUPPLEMENTAL MISCELLANEOUS IRON AND/OR STRUCTURAL STEEL (16 GA.) STUDDING REQUIRED TO ADEQUATELY SUPPORT ALL GYPSUM WALLBOARD DROPS SOFFITS, CORNICES, ETC. FROM THE STRUCTURAL STEEL ABOVE.

85. CONTRACTOR IS TO COORDINATE WITH ALL TRADES FOR CEILING PENETRATIONS AND PROVIDE BRACING FOR EXTRA SUPPORT AS NECESSARY FOR PROPER INSTALLATION.

86. ALL PENETRATIONS THROUGH DRYWALL AND MASONRY SURFACES INCLUDING BUT NOT LIMITED TO PIPE, CONDUIT, DUCTWORK, GRILLES, REGISTERS, DEVICE BOXES, HANGER RODS, ETC. SHALL HAVE THEIR COMMON JOINTS WITH DRYWALL AND/OR MASONRY CAULKED TO PROVIDE AN AIR-TIGHT SEAL.

87. PROVIDE OPENINGS AS REQUIRED FOR MECH. AND ELECT. EQUIPMENT. DRYWALL CONTRACTOR TO PROVIDE STUD BRACING AS REQUIRED TO STABILIZE WALLS ABOVE CEILINGS AT HIGH AND LOW PARTITIONS.

88. PIPE SLEEVES ARE TO BE CONDUIT (LENGTH TO MATCH THE THICKNESS OF THE WALL), WITH INSULATED BUSHINGS AND ARE TO BE SEALED AFTER CONDUIT INSTALLATION TO MAINTAIN RATING. SLEEVES ARE TO BE PLACED IN FIRST BLOCK COURSE.

89. CONTRACTOR SHALL FRAME AND FINISH ALL MECHANICAL AND ELECTRICAL WALL AND ROOF PENETRATIONS.

90. CONTRACTOR IS TO PROVIDE STUD BRACING FOR METAL STUD PARTITIONS TALLER THAN 10'-0" AFF. SPACING OF BRACING TO BE AS DETAILED OR AS REQUIRED.

91. 2 X 6 CONTINUOUS WOOD BLOCKING AND/OR MISCELLANEOUS FRAMING SHALL BE PROVIDED AT DRYWALL PARTITIONS FOR ALL WALL MOUNTED ELEMENTS INCLUDING BUT NOT LIMITED TO CABINET WORK AT TOP AND BOTTOM OF WALL MOUNTED UNITS AND UNDER COUNTER TOP LEVEL OF BASE CABINET, SHELVING, WALL MOUNTED FF&E ITEMS AND EQUIPMENT, PROJECTION SCREENS, MONITORS, BULLETIN BOARDS, WHITE BOARDS, SMART BOARDS, RAILS, TOILET ACCESSORIES, MILLWORK AND WOODWORK, ETC.

92. CONTRACTOR SHALL CLOSELY COORDINATE THE INSTALLATION OF THE REQUIRED SUPPLEMENTAL MISCELLANEOUS IRON AND/OR STRUCTURAL STEEL STUDDING WITH CONDUIT, SPRINKLER SYSTEM AND/OR ACOUSTICAL SUSPENDED CEILING SYSTEM.

93. EXACT SIZES AND EXACT LOCATIONS OF ALL OPENINGS ARE TO BE VERIFIED WITH THE APPROVED SHOP DRAWINGS ISSUED FOR THE INSTALLATION. THE EXACT SIZES SHALL BE COORDINATED PRIOR TO ANY FABRICATION AND INSTALLATION BY ANY/ALL TRADES. (SIZES AND LOCATIONS INDICATED ON CONTRACT DRAWINGS ARE DIAGRAMMATIC AND FOR INFORMATION ONLY.)

94. CONTRACTOR SHALL FRAME AND FINISH WHERE NECESSARY ALL MECHANICAL AND ELECTRICAL WALL PENETRATIONS.

95. COORDINATE ALL LOCATIONS WITH MECHANICAL AND STRUCTURAL DRAWINGS FOR NEW ROOF WORK INCLUDING BUT NOT LIMITED TO OPENINGS, PENETRATIONS, AND REINFORCING . REMOVE EXISTING CONSTRUCTION AS REQUIRED AND ALL NEW WORK SHALL BE FLASHED AND SEALED WEATHER TIGHT AND IN ACCORDANCE WITH ANY EXISTING ROOF WARRANTIES. TYP.

DOORS, WINDOWS AND HARDWARE

96. VERIFY ALL KEYING REQUIREMENTS OF ALL LOCKS WITH OWNER.

97. PROVIDE ELECTRICAL WORK FOR ALL HARDWARE REQUIRING ELECTRICAL, SHOWN ON THE DRAWINGS OR NOT SHOWN ON THE DRAWINGS. COORDINATION OF ALL ELECTRONIC HARDWARE IS REQUIRED. PROVIDE ALL HARDWARE REQUIRED IF NOTED ON ELECTRICAL, ARCHITECTURAL, SPECIAL SYSTEMS OR IT DRAWINGS.

98. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL WEEP JOINTS AROUND WINDOWS AND EXTRUDED ALUMINUM STORE FRONTS FREE OF CAULK.

99. ALL EXTERIOR DOOR FRAMES SHALL RECEIVE FOAM INSULATION INSERTS TYP. AT HEAD AND JAMB. ALL EXTERIOR ENTRANCE DOORS AND FRAMES TO RECEIVE PERIMETER WEATHER STRIPPING OR AS PER SPECIFICATIONS.

100. TEMPERED GLASS IS TO BE INSTALLED IN ALL DOORS AND WINDOWS AS REQUIRED BY THE APPLICABLE BUILDING CODE.

101. ALL EXTERIOR DOORS AND FRAMES ARE INSULATED.

FINISHES

102. ALL NEW & EXISTING CONCRETE FLOOR SLABS ON GRADE THAT ARE SCHEDULED TO RECEIVE FLOOR FINISHES ARE TO RECEIVE VAPOR EMISSIONS COMPLIANCE TREATMENT. FLOOR FINISH CONTRACTORS ARE RESPONSIBLE FOR TESTING MOISTURE CONTENT IN FLOOR SLABS BEFORE APPLYING VAPOR EMISSIONS COMPLIANCE TREATMENT AND BEFORE APPLYING FLOOR FINISHES, TWO (2) TESTS MINIMUM ARE REQUIRED PER AREA.

103. ALL FLOOR SLABS ON GRADE ARE TO RECEIVE KOSTER VAP 1 2000 SYSTEM VAPOR EMISSIONS COMPLIANCE TREATMENT AS MANUFACTURED BY KOSTER AMERICAN CORPORATION, PH.# (757) 425-1206/ (541) 548-0210.

104. THE CONTRACTOR SHALL EXAMINE ALL SURFACES TO DETERMINE THAT THEY ARE SOUND, DRY, CLEAN AND READY TO RECEIVE FINISHES PRIOR TO INSTALLATION. START OF INSTALLATION OF FINISHES SHALL IMPLY ACCEPTANCE BY THE CONTRACTOR PROVIDING FINISHES OF SUBSTRATE AND SHALL NOT BE GROUNDS FOR CLAIMS AGAINST IMPROPER PERFORMANCE OF INSTALLED MATERIALS. ADVISE THE ARCHITECT/ENGINEER OF ANY EXISTING CONSTRUCTION NOT LEVEL, SMOOTH OR PLUMB WITHIN INDUSTRY STANDARDS OR AS REQUIRED BY THE FINISH MANUFACTURER PRIOR TO START OF CONSTRUCTION AND PRIOR TO INSTALLATION OF FINISHES.

105. PATCH ALL EXISTING PLASTER OR GYPSUM BOARD FINISHED WALLS THAT ARE TO REMAIN. WALL SURFACES ARE TO BE PREPPED TO RECEIVE NEW FINISHES, FREE FROM HOLES, CRACKS AND BLEMISHES.

106. IN ALL INSTANCES WHERE EXISTING WALLS ARE BEING REMOVED AND/OR REWORKED, AT A MINIMUM THE CONTRACTOR IS TO REPAINT OR REFINISH ENTIRE WALL TO NEAREST CORNER OR BREAK-LINE WHERE WALL CHANGES DIRECTION.

107. CONTRACTOR TO PROVIDE CONTROL JOINTS IN DRYWALL ON STRIKE SIDE OF DOORS.

108. CONTROL JOINTS IN GYPSUM BOARD PARTITIONS AND GYPSUM BOARD CEILINGS SHALL BE SPACED AS FOLLOWS:

PARTITIONS - 30 FT. MAXIMUM IN EITHER DIRECTION.
INTERIOR CEILINGS (WITH PERIMETER RELIEF) - 50 FT MAXIMUM IN EITHER DIRECTION.
INTERIOR CEILINGS (WITHOUT PERIMETER RELIEF) - 30 FT MAXIMUM IN EITHER DIRECTION.
EXTERIOR CEILINGS - 30 FT. MAXIMUM IN EITHER DIRECTION.

109. ALL DRYWALL USED ONLY UNDER CERAMIC TILE IS TO BE MOISTURE RESISTANT. USE CEMENT BOARD AT ALL SHOWER AREAS.

110. EPOXY PAINT SYSTEMS TO BE USED IN WET AREAS UNLESS OTHERWISE NOTED. COORDINATE WITH FINISH SCHEDULE.

111. ALL INTERIOR PARTITIONS WHICH RECEIVE CERAMIC TILE SHALL BE 16 GA. MIN. AT 12" O.C. W/ HORIZONTAL COLD ROLLED STIFFENER CHANNELS AT 4'-0" O.C. (MAX.) AND EXTEND FROM FINISHED FLOOR TO STRUCTURE ABOVE. 20 GA. DIAGONAL STUD KICKERS MUST ALSO BE INSTALLED AT EVERY OTHER VERTICAL STUD ABOVE CEILING. BRACE HORIZ. AT EACH FLOOR OR BEAM @ 24" O.C.

112. REFER TO SPECIFICATIONS FOR LIST OF REQUIRED ATTIC STOCK. AT A MINIMUM ATTIC STOCK IS REQUIRED FOR ALL PAINTS, CEILING TILES, WALL BASE, FLOORING INCLUDING TREADS, RISERS, FLOOR TILE - VINYL AND CERAMIC OR PORCELAIN, CARPET TILE, CARPETING, SHEET FLOORING, WOOD FLOORING, ACOUSTIC PANELS. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL MATERIALS AND REQUIREMENTS.

113. SUSPENDED CEILING SYSTEM HANGER WIRES MUST BE ATTACHED TO STRUCTURAL STEEL ONLY. (DO NOT ATTACH ANY HANGERS TO METAL DECK, TYP. PROVIDED MISC. STEEL/UNISTRUT ATTACHED TO STRUCTURAL STEEL AS REQUIRED TO MAINTAIN HANGER SPACING, TYP.

SPECIALTIES, EQUIPMENT AND FURNISHINGS

114. FIRE EXTINGUISHER CABINETS TO BE MOUNTED PER ADA REQUIREMENTS OR AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION. FIRE EXTINGUISHERS WITH GROSS WEIGHT OVER 40LBS. MUST BE MOUNTED PER ADA REQUIREMENTS OR AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION. CLEARANCE BETWEEN THE BOTTOM OF THE FLOOR AND THE EXTINGUISHER MUST BE PER ADA REQUIREMENTS.

115. CONTRACTOR SHALL COMPLY WITH MANUFACTURER'S INSTRUCTIONS WHEN RELOCATING AND/OR INSTALLING ANY EQUIPMENT AND FURNISHINGS

116. CONTRACTOR SHALL VERIFY EQUIPMENT LOCATIONS WITH OWNER PRIOR TO INSTALLATION.

117. CONTRACTOR SHALL VERIFY EXISTING EQUIPMENT CONDITIONS. EQUIPMENT CURRENTLY ANCHORED TO FLOOR SHALL RECEIVE SIMILAR TREATMENT WHEN RELOCATED.

118. CONTRACTOR SHALL BE MADE AWARE THAT ALL EXISTING EQUIPMENT "TO REMAIN" WILL BE PRESENT DURING THE CONSTRUCTION PROCESS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO EQUIPMENT AND PROVIDE TEMPORARY COVERING FOR ALL EXISTING EQUIPMENT TO REMAIN.

119. FIRE EXTINGUISHER CABINETS TO BE MOUNTED 4'-6" A.F.F. TO TOP MAXIMUM AS PER ADA .

120. REQUIREMENTS. (FIRE EXTINGUISHERS WITH GROSS WEIGHT OVER 40LBS. MUST BE MOUNTED 3'-6" MAX.). CLEARANCE BETWEEN THE BOTTOM OF THE FLOOR AND THE EXTINGUISHER MAY NOT BE LESS THAN 4".)

121. ALL OPEN-FACE SHELVING UNITS SHALL HAVE CONCEALED ANCHOR BRACKETS.

FASTENERS, PULL TEST REQUIREMENTS

122. PULL OUT TESTS SHALL BE PERFORMED BY THE FASTENER MFGR. CONFORM TO FACTORY MUTUAL'S LOST PREVENTION DATA SHEET 1-49. THE RESULTS OF THESE TESTS, AND ASSESSMENT BY THE FASTENER MFGR. REGARDING THE SUITABILITY OF THE FASTENER FOR THE INTENDED PROJECT IS REQUIRED. FASTENER INSTALLATION INSTRUCTIONS SHALL BE PROVIDED TO THE APPLICATOR PRIOR TO THE JOB START.

123. FASTENERS AND PLATES SHALL MEET FACTORY MUTUAL STANDARD 4470 FOR CORROSION RESISTANCE AND WIND UPLIFT RESISTANCE.

124. FASTENER MFGR. SHALL WARRANTY THE PERFORMANCE OF THE FASTENER AND PLATES FOR THE DURATION OF THE ROOFING WARRANTY.

125. FASTENER AND PLATES SHALL BE APPROVED IN WRITING BY THE FASTENER MANUFACTURER FOR THE INTENDED USAGE.

126. THE CONTRACTOR IS TO VERIFY THE PULL OUT PERFORMANCE OF THE WOOD NAILERS TO CONFIRM THAT THEY MEET FACTORY MUTUAL'S LOSS PREVENTION DATA 1-49. ANY NAILERS THAT DO NOT MEET THIS REQUIREMENT SHALL BE REPLACED.

127. IN AREAS WHERE EXISTING WOOD BLOCKING IS TO REMAIN IN EXISTING PARAPET WALLS FASTENER MANUFACTURER TO PROVIDE THE PULL OUT TEST PERFORMANCE CERTIFICATE PRIOR TO THE START OF ANY INSTALLATION.

PLUMBING WORK

128. REFER TO PLUMBING DRAWINGS FOR DETAILS OF UTILITY WALL PENETRATIONS.

129. ALL FIXTURES LABELED "H" INDICATE HANDICAP FIXTURES.

130. PROVIDE ADA COMPLIANT PIPE INSULATION AT ALL EXPOSED PIPING UNDER HANDICAPPED SINKS.

131. ALL EXPOSED PLUMBING COMPONENTS ARE TO BE HAVE EITHER AN ARCHITECTURAL FACTORY FINISH OR TO BE PAINTED. COORDINATE WITH THE FINISH SCHEDULE.

132. ALL EXPOSED PIPES ARE TO BE MOUNTED FLUSH TO ALL WALLS, UNDERSIDE OF FLOOR DECKS AND BEAMS UNLESS OTHERWISE NOTED.

HVAC WORK

133. ALL NEW SUPPLY AIR AND RETURN GRILLES SHALL BE LOCATED IN THE CENTER LINE OF ACOUSTICAL TILES UNLESS OTHERWISE INDICATED ON PLANS.

134. FINISHES FOR ALL HVAC WALL DEVICES ARE TO BE COORDINATED WITH THE ARCHITECT. THE DIMENSIONAL LOCATION OF ALL HVAC WALL DEVICES SHALL BE PROVIDED TO THE ARCHITECT/ENGINEER DURING THE SHOP DRAWING PROCESS. THE LOCATION OF THE DEVICES SHALL BE COORDINATED WITH ALL CONTRACTOR'S EQUIPMENT AND DEVICES.

135. ALL EXPOSED HVAC COMPONENTS ARE TO BE HAVE EITHER AN ARCHITECTURAL FACTORY FINISH OR TO BE PAINTED. COORDINATE WITH THE FINISH SCHEDULE.

136. ALL EXPOSED PIPES ARE TO BE MOUNTED FLUSH TO ALL WALLS, UNDERSIDE OF FLOOR DECKS AND BEAMS UNLESS OTHERWISE NOTED.

137. REFER TO MECHANICAL DRAWINGS FOR DETAILS OF UTILITY WALL PENETRATIONS.

ELECTRICAL, IT AND SPECIAL SYSTEMS WORK

138. GENERAL TRADES CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR THE MOUNTING HEIGHT OF ALL SWITCHES AND OUTLETS AT MILLWORK, CASEWORK, COUNTERS, SHELVING, SINKS, ETC. HEIGHT OF THE SWITCHES SHALL BE PER ADA GUIDELINES OR PER CODE HAVING JURISDICTION IF REQUIRED.

139. FINISHES FOR ALL ELECTRICAL, IT AND SPECIAL SYSTEMS DEVICES ARE TO BE COORDINATED WITH THE ARCHITECT. THE DIMENSIONAL LOCATION OF ALL ELECTRICAL IT AND SPECIAL SYSTEMS DEVICES SHALL BE PROVIDED TO THE ARCHITECT/ENGINEER DURING THE SHOP DRAWING PROCESS. THE LOCATION OF THE DEVICES SHALL BE COORDINATED WITH ALL CONTRACTOR'S EQUIPMENT AND DEVICES.

140. CONTRACTOR IS TO PROVIDE ALL PLYWOOD OR UNISTRUT AS REQUIRED FOR MOUNTING OF IT AND ELECTRICAL EQUIPMENT.

141. ALL EXPOSED FIRE ELECTRICAL COMPONENTS ARE TO BE HAVE EITHER AN ARCHITECTURAL FACTORY FINISH OR TO BE PAINTED. COORDINATE WITH THE FINISH SCHEDULE.

142. CONTRACTOR IS TO REVIEW ALL DRAWINGS TO CONFIRM TERMINATION AND SAFING OFF REQUIRED OF ALL SERVICES PRIOR TO DEMOLITION.

143. ALL EXPOSED PIPES AND CONDUITS ARE TO BE MOUNTED FLUSH TO ALL WALLS, UNDERSIDE OF FLOOR DECKS AND BEAMS UNLESS OTHERWISE NOTED.

144. REFER TO ELECTRICAL DRAWINGS FOR DETAILS OF UTILITY WALL PENETRATIONS.

GENERAL DEMOLITION NOTES

ALL NOTES BELOW ARE THE RESPONSIBILITY OF ALL CONTRACTS

1. THE CONTRACTOR SHALL INVESTIGATE JOB SITE TO COMPARE CONTRACT DOCUMENTS AND EXISTING CONDITIONS. INCLUDE COST FOR ALL WORK DESCRIBED IN CONTRACT DOCUMENTS AND REQUIRED OR IMPLIED BY EXISTING CONDITIONS. NOTIFY ARCHITECT/ENGINEER OF ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND NEW WORK, OMISSIONS OR CONFLICTS IN THE DRAWINGS AND ANY RESTRICTIONS RELATED TO THE EXECUTION OF THE WORK.

2. DEMOLITION WORK IS TO BE COORDINATED WITH THE CONSTRUCTION DOCUMENTS: STRUCTURAL, ARCHITECTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION FOR CLARIFICATION AND COORDINATION OF ELEMENTS TO REMAIN. THE MECHANICAL, ELECTRICAL, PLUMBING AND ALL OTHER BUILDING SYSTEMS SHALL BE REMOVED IN THEIR ENTIRETY IN ACCORDANCE WITH THE SPECIFICATIONS, UNLESS SPECIFICALLY INDICATED TO REMAIN WITHIN THESE DOCUMENTS. REFER TO MECHANICAL, PLUMBING, FIRE PROTECTION, STRUCTURAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL ITEMS BEING DEMOLISHED INCLUDING BUT NOT LIMITED TO ELECTRICAL PANELS, FIXTURES, OUTLETS AND EQUIPMENT, FLOOR TRENCHING TO RECEIVE NEW WORK, PIPING, STEAM PIPING, DUCTWORK, MECHANICAL UNITS, STRUCTURAL BEAMS, COLUMNS, FLOOR SLABS, ETC.

3. ALL DEMOLITION AND REMOVAL WORK SHALL BE COMPLETED AS INDICATED AND NOTED ON THE DRAWINGS AND AS SPECIFIED AND/OR REQUIRED TO COMPLETE AND ACCEPT NEW WORK AND CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION BETWEEN DEMOLITION AND NEW CONSTRUCTION.

4. CONTRACTOR IS TO REVIEW ALL DRAWINGS TO CONFIRM TERMINATION AND SAFING OFF REQUIRED OF ALL SERVICES PRIOR TO DEMOLITION.

5. PRIOR TO THE START OF DEMOLITION, MAKE A THOROUGH EXAMINATION OF THOSE PORTIONS OF THE STRUCTURE IN WHICH THE WORK IS TO BE PERFORMED. CHECK ALL THE WORK ADJOINING OR AT UNDERLYING LOCATIONS. REPORT TO THE OWNER AND THE ARCHITECT ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK. DO NOT START THE WORK UNTIL SUCH CONDITIONS HAVE BEEN EXAMINED AND A COURSE OF ACTIONS MUTUALLY AGREED UPON.

6. PRIOR TO THE START OF DEMOLITION, PROVIDE THE NECESSARY PROTECTIVE DEVICES WHERE REQUIRED, AND IN STRICT ACCORDANCE WITH OSHA RULES AND REGULATIONS LIFE SAFETY REGULATIONS FOR CONSTRUCTION, REPAIR AND IMPROVEMENTS OF OPERATIONS AND ANY OTHER RULES OR REGULATIONS THAT THE OWNER MAY HAVE.

7. CONTRACTOR TO PROVIDE TEMPORARY FALL PROTECTION AS REQUIRED AT ALL WALL, FLOOR, AND ROOF PENETRATIONS.

8. PRIOR TO THE DEMOLITION OF THOSE ITEMS WHICH HAVE UTILITY CONNECTIONS (INCLUDING BUT NOT LIMITED TO WATER, GAS, ELECTRICITY, STEAM, ETC.) THE CONTRACTOR SHALL ARRANGE WITH THE OWNER TO LOCATE SHUTOFF VALVES, PANEL BOXES AND OTHER CONTROL ELEMENTS, SO THAT WATER DAMAGE AND OTHER POTENTIALLY INCONVENIENT OR DANGEROUS SITUATIONS ARE AVOIDED. EACH CONTRACTOR SHALL TURN OFF THEIR RESPECTIVE UTILITY AS REQUIRED BY THE WORK.

9. CONTRACTOR SHALL REVIEW AT THE SITE ALL ITEMS TO BE DEMOLISHED WITH OWNER TO IDENTIFY ANY ITEMS TO BE SALVAGED PRIOR TO THE START OF DEMOLITION.

10. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND PROVIDE REQUIRED FIRE RESISTIVE RATING IN ALL BUILDING ELEMENTS. HOLES AND OPENINGS REMAINING IN BUILDING ELEMENTS FROM DEMOLITION WILL BE PATCHED AND REPAIRED TO MAINTAIN THE REQUIRED FIRE RESISTIVE RATING.

11. TAKE NECESSARY PRECAUTIONS TO PREVENT DUST AND DIRT FROM RISING AND BECOMING AIRBORNE AT THE SITE AND WITHIN THE BUILDING AND PREVENT DUST AND DIRT FROM SOILING ADJACENT AREAS NOT UNDER THIS CONTRACT. EXCESSIVE USE OF WATER WILL NOT BE PERMITTED.

12. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL NECESSARY COVERINGS, PROTECTIVE ENCLOSURES, TEMPORARY DOORS AND PARTITIONS AND DUST BARRIERS TO PROTECT ALL OCCUPANTS AND EXISTING WORK AND FINISHES TO REMAIN. LOCATION OF SUCH PROTECTION SHALL BE VERIFIED WITH OWNER PRIOR TO COMMENCING WORK AND IN COORDINATION WITH PROGRESSION OF WORK SCHEDULE. PERFORM WORK IN A MANNER THAT WILL AVOID HAZARDS TO PERSONS IN ADJACENT AREAS AND THAT WON'T INTERFERE WITH WORK OR PASSAGE TO ANY OF THESE AREAS. REPAIR AND REPLACE ANY DAMAGES CAUSED BY IMPROPER PROTECTIONS AT NO ADDITIONAL CHARGE TO OWNER.

13. CONTRACTOR IS TO PROVIDE WEATHERTIGHT PROTECTION AT ALL EXPOSED AREAS, WALLS, ROOF, PIPE PENETRATIONS, ETC. DURING CONSTRUCTION. CONTRACTOR TO SECURE DEMOLISHED EXTERIOR OPENINGS. MAKE WEATHER TIGHT, PROVIDE TEMPORARY CONSTRUCTION DOOR WITH LOCK AS ALLOWED BY CODE IF REQUIRED. DEMOLITION EXPOSING THE INTERIOR OF THE BUILDING TO THE OUTSIDE ELEMENTS OR TO THE PUBLIC SHALL BE PROPERLY SEALED AND PROTECTED TO ELIMINATE DAMAGE FROM VANDALISM OR WEATHER DURING CONSTRUCTION.

14. KEEP ALL ADJOINING PUBLIC AREAS CLEAN AND FREE OF DEBRIS OR CONSTRUCTION MATERIALS DURING WORKING HOURS, AND PROVIDE SAFE CONDITIONS FOR THE GENERAL PUBLIC AND WORKMEN.

15. REMOVE ALL INTERIOR PARTS AND PIECES INCLUDING BUT NOT LIMITED TO CLIPS, CABLES, HOOKS, HANGERS AND MISCELLANEOUS HARDWARE NOT REQUIRED FOR THE NEW CONSTRUCTION OR RENOVATION CONSTRUCTION THAT WOULD BE EXPOSED AFTER COMPLETION OF CONSTRUCTION.

16. DEMOLISHED MATERIALS, UNLESS OTHERWISE NOTED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE SITE, ON A REGULAR BASIS, IN A LEGAL MANNER.

17. CONTRACTOR IS RESPONSIBLE FOR ALL DUMPSTERS, DUMPING FEES, AND PERMITS FOR ALL ITEMS NOTED FOR DEMOLITION.

18. REPAIR AND/OR REPLACE EXISTING ITEMS NOT SCHEDULED OR NOTED TO BE DEMOLISHED, AND NOT SPECIFIED TO BE REMOVED, BUT WHICH BECOME DAMAGED DURING THE PROGRESS OF THE WORK. MAKE ANY AND ALL SUCH REPAIRS, REPLACEMENTS AND MODIFICATIONS TO RESTORE THE DAMAGED ITEMS TO THEIR ORIGINAL CONDITION AT THE TIME OF DAMAGE, TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE OWNER.

19. PATCH, FILL AND REPAIR ALL SURFACES DISTURBED, CUT, DAMAGED, IN NEED OF REPAIR OR MADE IMPERFECT BY ALTERATIONS, DEMOLITION OR REMOVAL WORK AND AS REQUIRED TO PREPARE SURFACES FOR NEW MATERIALS AND ARRANGEMENTS INCLUDING BUT NOT LIMITED TO ALL FLOOR SLABS, SLABS ON GRADE, INTERIOR AND EXTERIOR WALLS, ROOF AND ROOF DECK, STRUCTURE, ETC.

20. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SUPPORT AND SHORING OF FLOOR STRUCTURE, ROOF STRUCTURE, EXTERIOR WALL CONSTRUCTION, FOUNDATIONS, EXISTING CEILINGS PARTITIONS, ETC. DURING DEMOLITION AND RENOVATION. CONTRACTOR IS RESPONSIBLE FOR ALL ENGINEERING APPLICABLE TO SHORING DESIGN.

21. EXISTING FINISHES THAT ARE DISTURBED BY DEMOLITION SHALL BE PATCHED TO MATCH EXISTING TO THE SATISFACTION OF THE OWNER.

22. ALL DEMOLISHED AREAS AND EXISTING SURFACES AND AREAS WHERE EQUIPMENT AND ITEMS HAVE BEEN DEMOLISHED OR REMOVED ARE TO BE PATCHED, REPAIRED, IN-FILLED, CLEANED AND PREPPED FOR NEW SURFACES, AND TO RECEIVE FINISHES. TYPICAL FOR ALL FLOORS, WALLS, CEILINGS, EXPOSED FLOORS, ROOFS, EXTERIOR WALLS, STRUCTURE ETC.

23. IF COMPLETE EXTERIOR WINDOWS AND WINDOW SYSTEMS ARE SCHEDULED TO BE DEMOLISHED, EXTERIOR WINDOWS AND WINDOW SYSTEMS ARE TO BE REMOVED INCLUDING FRAMES, BLOCKING AND ASSOCIATED HARDWARE UNLESS OTHERWISE NOTED. ALL SURFACES INCLUDING ROUGH OPENING ARE TO BE CLEANED, REPAIRED, PREPPED AND RECEIVE NEW WINDOW INSTALLATIONS AND FINISHES. PROVIDE ALL NECESSARY BLOCKING, ANCHORS, ANCHOR SUPPORTS, SEALANTS, BACKER RODS, TRIM AND FINISHES AND ALL OTHER DETAIL REQUIREMENTS AS NECESSARY FOR A COMPLETE WEATHER TIGHT INSTALLATION. PROVIDE TEMPORARY WEATHER PROTECTION AT ALL WINDOWS PRIOR TO AND DURING WINDOW DEMOLITION AND NEW WIDOW INSTALLATION.

30. WHERE FLOOR OR SLABS ARE BEING DEMOLISHED IN PART, FOR ALL EXPOSED EDGES THAT ARE TO REMAIN, THE CONTRACTOR SHALL GRIND, PATCH, REPAIR AND FINISH THE EXPOSED END OR EDGE OF THE CONCRETE SURFACE.

31. ALL EXISTING FLOORING AND FLOORING SYSTEMS THAT ARE TO BE REMOVED IN THEIR ENTIRETY UNLESS OTHERWISE NOTED TO REMAIN INCLUDING ANY CARPET, CERAMIC, VCT, TILE, ETC., FLOOR BASES, CURBS, TRANSITIONS, UNDERLAYMENTS, ADHESIVES, SETTING BEDS AND HOUSE KEEPING PADS NOT USED FOR NEW OR RENOVATED CONSTRUCTION DOWN TO EXISTING FLOOR SLABS. CONTRACTOR TO ADD CONCRETE FLASH PATCH TO LEVEL EXISTING SLAB AS REQUIRED TO ACCEPT NEW FLOOR FINISHES, UNDERLAYMENTS, & SETTING BEDS TYPICAL. ALL FLOORS ARE TO BE CLEAN AND FREE FROM DEBRIS AND IMPERFECTIONS TO MEET FLOOR FINISH MANUFACTURER'S REQUIREMENTS FOR NEW FLOORING AND FLOORING FINISH INSTALLATION. CONTRACTOR IS TO PATCH ALL EXISTING CONCRETE FLOOR SLABS TO MATCH EXISTING THAT ARE DISTURBED BY DEMOLITION. CONTRACTOR IS TO VERIFY ALL LOCATIONS. REFERENCE THE FINISH SCHEDULE FOR FINISHES TO REMAIN AND ANY SPECIAL INSTRUCTIONS. IF THERE IS A CONFLICT IN THE DOCUMENTS, REQUEST DIRECTION FROM THE ARCHITECT PRIOR TO STARTING DEMOLITION.

32. REFERENCE THE FINISH SCHEDULE FOR FINISHES TO REMAIN AND ANY SPECIAL INSTRUCTIONS. IF THERE IS A CONFLICT IN THE DOCUMENTS, REQUEST DIRECTION FROM THE ARCHITECT PRIOR TO STARTING DEMOLITION.

33. DATA PRESENTED ON THESE DRAWINGS ARE AS ACCURATE AS FIELD SURVEYS CAN DETERMINE, BUT ABSOLUTE ACCURACY IS NOT GUARANTEED. FIELD VERIFICATION OF THE DOCUMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR AS FINAL MEASUREMENTS, LOCATIONS, AND HEIGHTS WILL BE GOVERNED BY ACTUAL FIELD CONDITIONS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS IN AREAS TO BE RENOVATED PRIOR TO BID IN ORDER TO PROVIDE AN ACCURATE BID AND BE AWARE OF ALL CONSTRUCTION METHODS NEEDED TO PROVIDE THE FINISHED PRODUCT AS SHOWN IN THE DOCUMENTS.

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AL / ALUM	ALUMINUM
ARCH	ARCHITECTURAL
ASPH	ASPHALT
ATTCHMT	ATTACHMENT
BD / BRD	BOARD
BLDG	BUILDING
BLK	BLOCK(ING)
BM	BEAM
BRG	BEARING
BRK	BRICK
BS	BOTTOM OF SLAB
BTM	BOTTOM
CJ	CONTROL OR CONSTRUCTION JOINT
CL	CLOSET
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CJ	CONTROL JOINT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CORR	CORRIDOR
COV	COVER
CPT	CARPET
CT / CER	CERAMIC TILE/CERAMIC
D / DRN	DRAIN
DBL	DOUBLE
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DIV STRIP	DIVIDER STRIP
DN	DOWN
DO	DITTO
DP	DAMPPROOF(ING)
DR	DOOR
DS	DOWNSPOUT
DT	DRAIN TILE
DW	DISH WASHER
DWG	DRAWING
EA	EACH
EJ	EXPANSION JOINT
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELEC	ELECTRICAL
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION
ELEV	ELEVATOR
ENCL	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPMENT
ETC...	ETCETERA
EX / EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FA	FRESH AIR
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FE / FEC	FIRE EXTINGUISHER (CABINET)
FF / FIN FL	FINISHED FLOOR
FIN	FINISH
FL	FLOOR
FLSH	FLASH(ING)
FLUOR	FLUORESCENT
FOS	FACE OF STUDS
FR(G)	FRAME OR FRAMING
FT	FEET OR FOOT
FUR	FURRING
FVC	FIRE VALVE CABINET
Ga	GAGE OR GAUGE
GALV	GALVANIZE OR GALVANIZED
GC	GENERAL CONTRACTOR
GI	GALVANIZED IRON
GL	GLASS
GM	GALVANIZED METAL
GR	GRADE
GWB	GYPSUM WALL BOARD
GYP BD	GYPSUM BOARD
HB	HOSE BIBB
HC	HOLLOW CORE
"H"	HANDICAP ACCESSIBLE
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HOR	HORIZONTAL
HT / HGT	HEIGHT
HTR	HEATER
ID	INSIDE DIAMETER
INFO	INFORMATION
INSUL	INSULATION OR INSULATED
INT	INTERIOR
INV	INVERT
JAN	JANITOR
JT	JOINT
KO	KNOCKOUT
LAM	LAMINATE OR LAMINATED
LAV	LAVATORY
LP	LOW POINT
LT/LGT	LIGHT
MFGR / MANUF	MANUFACTURER
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MEMB	MEMBRANE
MET / MTL	METAL
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MVBL / MOVE	MOVABLE
MT	MARBLE THRESHOLD
N	NORTH
NIC	NOT IN CONTRACT
NOM	NOMINAL
NO	NUMBERS
NTS	NOT TO SCALE
OC	ON CENTER
OFF	OFFICE
OH	OPPOSITE HAND
OPNG / OPEN'G	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
OVHD	OVERHEAD
P-LAM	PLASTIC LAMINATE
PART / PTN	PARTITION
PC	PRECAST
PC PL	PORTLAND CEMENT PLASTER
PH	PAPER HOLDER
PL	PROPERTY LINE
PLAS	PLASTER
PLUM / PLMG	PLUMBING
PL CON	PLUMBING CONTRACTOR
PLYWD	PLYWOOD
PNL	PANEL
POL	POLISHED
PR	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTD	PAINTED
PTS	POINTS
QT	QUARRY TILE
R	RADIUS
R VENT	RANGE VENT
REF	REFRIGERATOR
REINF	REINFORCE(D)
REQ / REQ'D	REQUIRE / REQUIRED
RET	RETURN
REV	REVISE / REVISION
RM	ROOM
RO	ROUGH OPENING
RSTRM	RESTROOM
SAN	SANITARY
SAN ST	SANITARY STACK
SC	SOUND CONTROL
SCR	SCREEN
SECT	SECTION
SCHED	SCHEDULE / SCHEDULED
SCU	SELF-CONTAINED UNIT
SF	SQUARE FOOT (FEET)
SHT	SHEET
SIM	SIMILAR
SP	STANDPIPE
SPLSH BLK	SPLASH BLOCK
SPEC	SPECIFICATION
SPR	SPRINKLER / SPRINKLERED
SQ	SQUARE
SS	STAINLESS STEEL
STN	STAIN(ED)
STL	STEEL
STG / STOR	STORAGE
STRUCT	STRUCTURAL / STRUCTURE
SUSP	SUSPEND / SUSPENDED
T	TILE
TBD	TO BE DETERMINED
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
TEMP	TEMPERED
TH / TRSH	THRESHOLD
THK	THICK / THICKNESS
THRU	THROUGH
TOC	TOP OF CURB
TOS	TOP OF SLAB
TRTD	TREATED
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNFIN	UNFINISHED
V	VENT
VCT	VINYL COMPOSITION TILE
VENT	VENTILATE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING
VOL	VOLUME
W	WIDTH
w/	WITH
WxH	WIDTH x HEIGHT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WK	WORK
WP	WATERPROOF
WT	WEIGHT
X	CROSS
&	AND
@	AT
'	FEET
"	INCHES
#	POUNDS

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REVISIONS

KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND
ASSOCIATES
architecture | engineering | interior design

102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
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New York • Pennsylvania

PROJECT TITLE:

Vestal
Central School District

201 Main Street | Vestal, NY 13850

2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:

GENERAL NOTES AND ABBREVIATIONS

DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: DM	DRAWING NO.: GN-100
DATE: 02-09-2026	

CAD FILE: 5151-GN-100 - 101.DWG
PLOT DATE: 2/4/2026

INTERIOR TOILET ROOM SIGNAGE NOTES:

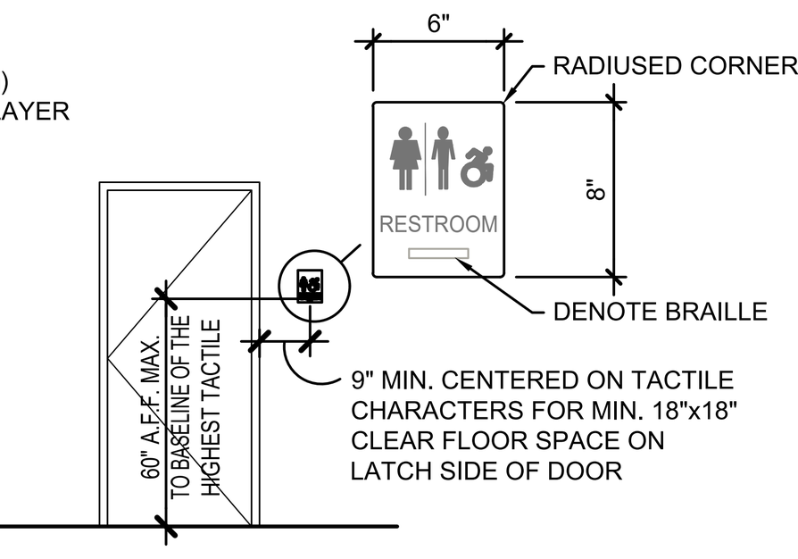
SCALE: N.T.S.

SIGN TYPE A

CODE: ADA COMPLIANT SIGNAGE.
MANUF: ASI SIGNAGE INNOVATIONS (Basis of Design)
STYLE: "INFORM SERIES" w/ BACKPLATE DOUBLE LAYER
SIZES: 6" x 8" PICTOGRAMS w/ TEXT AND BRAILLE
COLORS: BACKGROUND : To Be Selected
TEXT : To Be Selected

NOTE: MOUNT ON LATCH SIDE OF DOOR AT 60" A.F.F. MAX. TO BOTTOM OF THE HIGHEST TACTILE CHARACTER AND 9" MIN. FROM DOOR FRAME EDGE TO THE CENTER OF TACTILE CHARACTERS FOR MINIMUM 18"x18" CLEAR FLOOR SPACE CLEAR OF DOOR SWING BETWEEN CLOSED AND 45 DEGREE POSITION. COMPLY WITH CURRENT ADA / ANSI REQUIREMENTS.

PROVIDE ADA SIGNAGE AT ALL NEW TOILET ROOMS



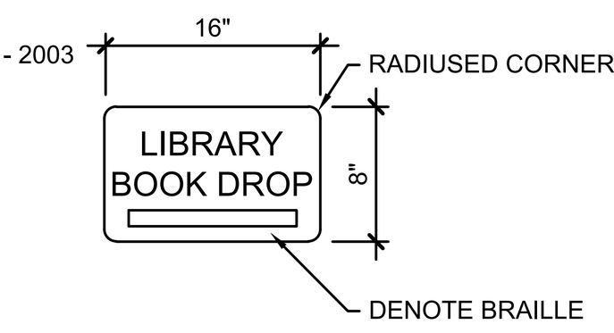
SIGNAGE NOTES:

SCALE: N.T.S.

SIGN TYPE B

CODE: ADA COMPLIANT SIGNAGE. 2006 ICC - 1011.3 / ANSI A117.1 - 2003
MANUF: ASI SIGNAGE INNOVATIONS (Basis of Design)
STYLE: "INFORM SERIES" w/ BACKPLATE DOUBLE LAYER
SIZES: 6" x 4" TEXT AND BRAILLE
COLORS: BACKGROUND : To Be Selected
TEXT : To Be Selected

NOTE: SEE 14/A-800 FOR MOUNTING LOCATION



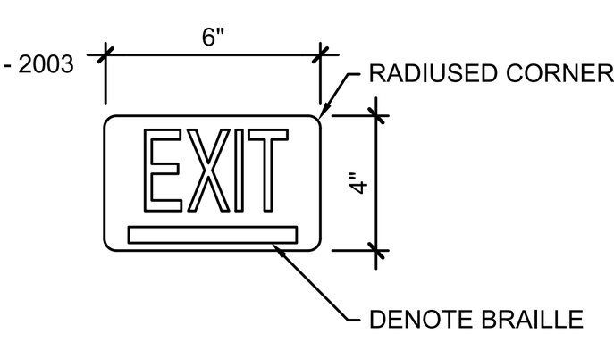
ADA EXIT SIGNAGE NOTES:

SCALE: N.T.S.

SIGN TYPE C

CODE: ADA COMPLIANT SIGNAGE. 2006 ICC - 1011.3 / ANSI A117.1 - 2003
MANUF: ASI SIGNAGE INNOVATIONS (Basis of Design)
STYLE: "INFORM SERIES" w/ BACKPLATE DOUBLE LAYER
SIZES: 6" x 4" TEXT AND BRAILLE
COLORS: BACKGROUND : To Be Selected
TEXT : To Be Selected

NOTE: MOUNT ON LATCH SIDE OF DOOR, U.O.N. AT 60" A.F.F. MAX. TO BOTTOM OF THE HIGHEST TACTILE CHARACTER AND 9" MIN. FROM DOOR FRAME EDGE TO THE CENTER OF TACTILE CHARACTERS FOR MINIMUM 18"x18" CLEAR FLOOR SPACE CLEAR OF DOOR SWING BETWEEN CLOSED AND 45 DEGREE POSITION. COMPLY WITH CURRENT ADA / ANSI REQUIREMENTS. AT. GLASS EXTERIOR EXIT DOORS. WHEN MOUNTING TO GLASS AND PROVIDED BLANK SOLID TO CONCEAL VIEWING MOUNTING FROM EXTERIOR SIDE



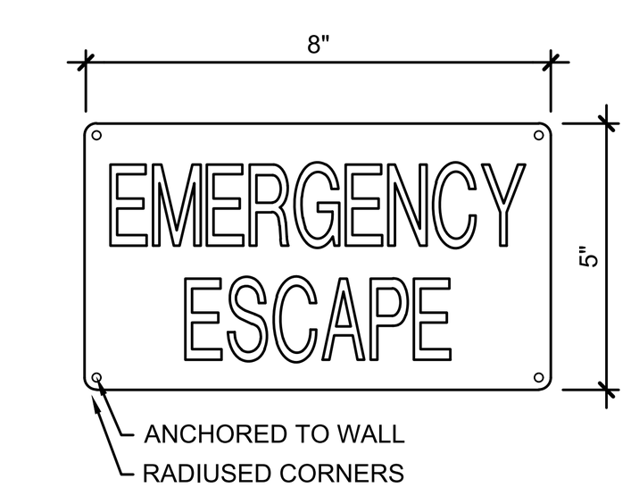
EXIT SIGNAGE NOTES:

SCALE: N.T.S.

SIGN TYPE D

CODE: NYSED MPS S106-2
MANUF: ASI SIGNAGE INNOVATIONS (Basis of Design)
SIZES: 8" x 5"
COLORS: BACKGROUND : Yellow
TEXT : Black

NOTE: MOUNT ON EXTERIOR WALL ABOVE DOOR LEADING TO NURSES ROOM. SEE C-101 FOR APPROXIMATE LOCATION



LINTEL SCHEDULE
PRECAST LINTELS

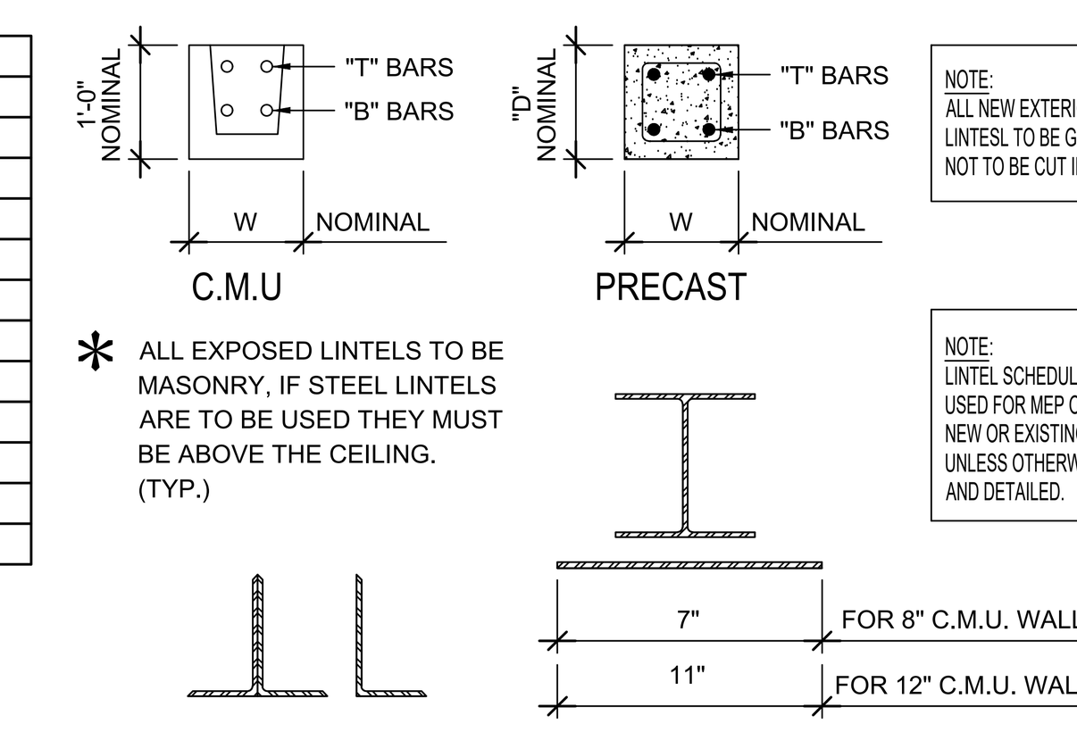
M.O.	W (IN.)	D (IN.)	"B" BARS	"T" BARS	STIRRUPS	MIN. BEARING EACH END (IN.)
UP TO 4'-0"	8	8	2-#4	2-#4	-	8
UP TO 4'-0"	12	8	2-#4	2-#4	-	8
4'-0" TO 5'-0"	8	8	2-#4	2-#4	-	8
4'-0" TO 5'-0"	12	8	2-#4	2-#4	-	8
5'-0" TO 6'-0"	8	8	2-#4	2-#4	-	8
5'-0" TO 6'-0"	12	8	2-#5	2-#5	-	8
6'-0" TO 7'-0"	8	8	2-#4	2-#4	-	8
6'-0" TO 7'-0"	12	8	2-#5	2-#5	-	8
7'-0" TO 8'-0"	8	16	2-#5	2-#5	-	8
7'-0" TO 8'-0"	12	16	3-#5	3-#5	-	8
8'-0" TO 9'-0"	8	16	2-#5	2-#5	-	10
8'-0" TO 9'-0"	12	16	3-#5	3-#5	-	10
9'-0" TO 10'-0"	8	16	2-#6	2-#6	#3@6 1/2"	10
9'-0" TO 10'-0"	12	16	3-#6	3-#6	-	10
10'-0" TO 11'-0"	8	16	2-#6	2-#6	#3@6 1/2"	12
10'-0" TO 11'-0"	12	16	3-#6	3-#6	-	12
11'-0" TO 12'-0"	8	16	2-#6	2-#6	#3@6 1/2"	12
11'-0" TO 12'-0"	12	16	3-#6	3-#6	-	12

STEEL LINTELS

MASONRY OPN'G	8" C.M.U	12" C.M.U.	MIN. BRG. EA. END
UP TO 3'-6"	2LS 3 1/2x3 1/2x5/16	3LS 3 1/2x3 1/2x5/16	8"
3'-7" TO 4'-6"	2LS 3 1/2x3 1/2x5/16	3LS 3 1/2x3 1/2x5/16	8"
4'-7" TO 5'-6"	2LS 5x3 1/2x5/16 LLV	3LS 5x3 1/2x5/16 LLV	8"
5'-7" TO 6'-6"	2LS 6x3 1/2x5/16 LLV	3LS 6x3 1/2x5/16 LLV	8"
6'-7" TO 7'-6"	2LS 6x3 1/2x3/8" LLV	3LS 6x3 1/2x3/8" LLV	8"
7'-7" TO 8'-6"	W 8x10+5/16 BOTT. PL.	W 8x10+5/16 BOTT. PL.	8"
8'-7" TO 9'-6"	W 8x10+5/16 BOTT. PL.	W 8x10+5/16 BOTT. PL.	10"
9'-7" TO 10'-6"	W 8x13+5/16 BOTT. PL.	W 8x13+5/16 BOTT. PL.	10"
10'-7" TO 11'-6"	W 8x13+5/16 BOTT. PL.	W 8x13+5/16 BOTT. PL.	12"
11'-7" TO 12'-6"	W 8x13+5/16 BOTT. PL.	W 8x15+5/16 BOTT. PL.	12"
12'-7" TO 13'-6"	W 8x13+5/16 BOTT. PL.	W 8x15+5/16 BOTT. PL.	13"
13'-7" TO 14'-6"	W 10x15+5/16 BOTT. PL.	W 10x19+5/16 BOTT. PL.	14"

C.M.U. LINTELS

M.O.	W (IN.)	D (IN.)	"B" BARS	"T" BARS	MIN. BEARING EACH END (IN.)
3'-0"	6	8	1-#3	-	8
3'-0"	8	8	2-#3	-	8
3'-0"	12	8	2-#4	-	8
4'-0"	6	8	1-#3	-	8
4'-0"	8	8	2-#3	-	8
4'-0"	12	8	2-#4	-	8
5'-0"	6	8	1-#5	-	8
5'-0"	8	8	2-#4	-	8
5'-0"	12	8	2-#5	-	8
6'-0"	6	16	1-#4	-	8
6'-0"	8	8	2-#6	-	8
6'-0"	12	8	2-#7	-	8
6'-0"	12	16	2-#4	-	8
7'-0"	6	16	1-#4	-	8
7'-0"	8	16	2-#4	-	8
7'-0"	12	16	2-#5	-	8
8'-0"	6	16	1-#5	-	8
8'-0"	8	16	2-#5	-	8
8'-0"	12	16	2-#6	-	8



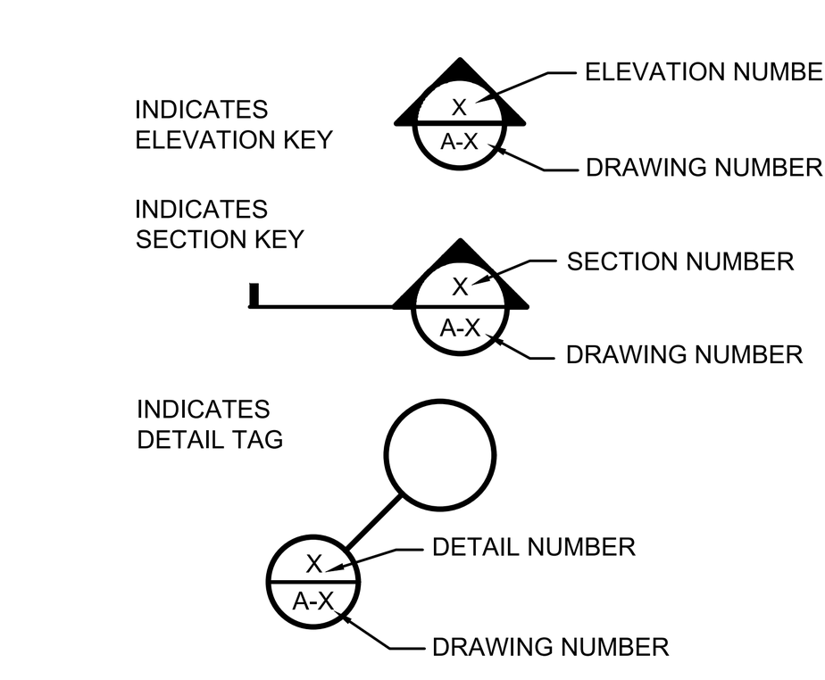
* ALL EXPOSED LINTELS TO BE MASONRY, IF STEEL LINTELS ARE TO BE USED THEY MUST BE ABOVE THE CEILING. (TYP.)

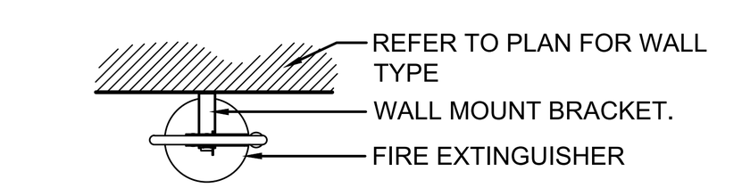
ANGLE LINTEL DETAIL

BEAM/ BOTT. PL. LINTEL DETAIL

EXTEND BOTT. PL. INTO BEARING AREA

SYMBOL LEGEND





INSTALL WALL MOUNT BRACKET FOR EXTINGUISHER

MOUNT BRACKET SO TOP OF EXTINGUISHER IS AT THE CORRECT HEIGHT FOR THE WEIGHT OF THE FIRE EXTINGUISHER AS PER CODE REQUIREMENTS.

USE PROPER ANCHORS TO SECURELY FASTEN BRACKET TO SUBSTRATE

AT EXPOSED COLUMN MOUNTING CONDITIONS, MOUNT EXTINGUISHER AND BRACKET TO COLUMN WITH I BEAM MOUNTING BRACKET (IBA-1) ADAPTER BY BEST FIRE CO OR EQUAL

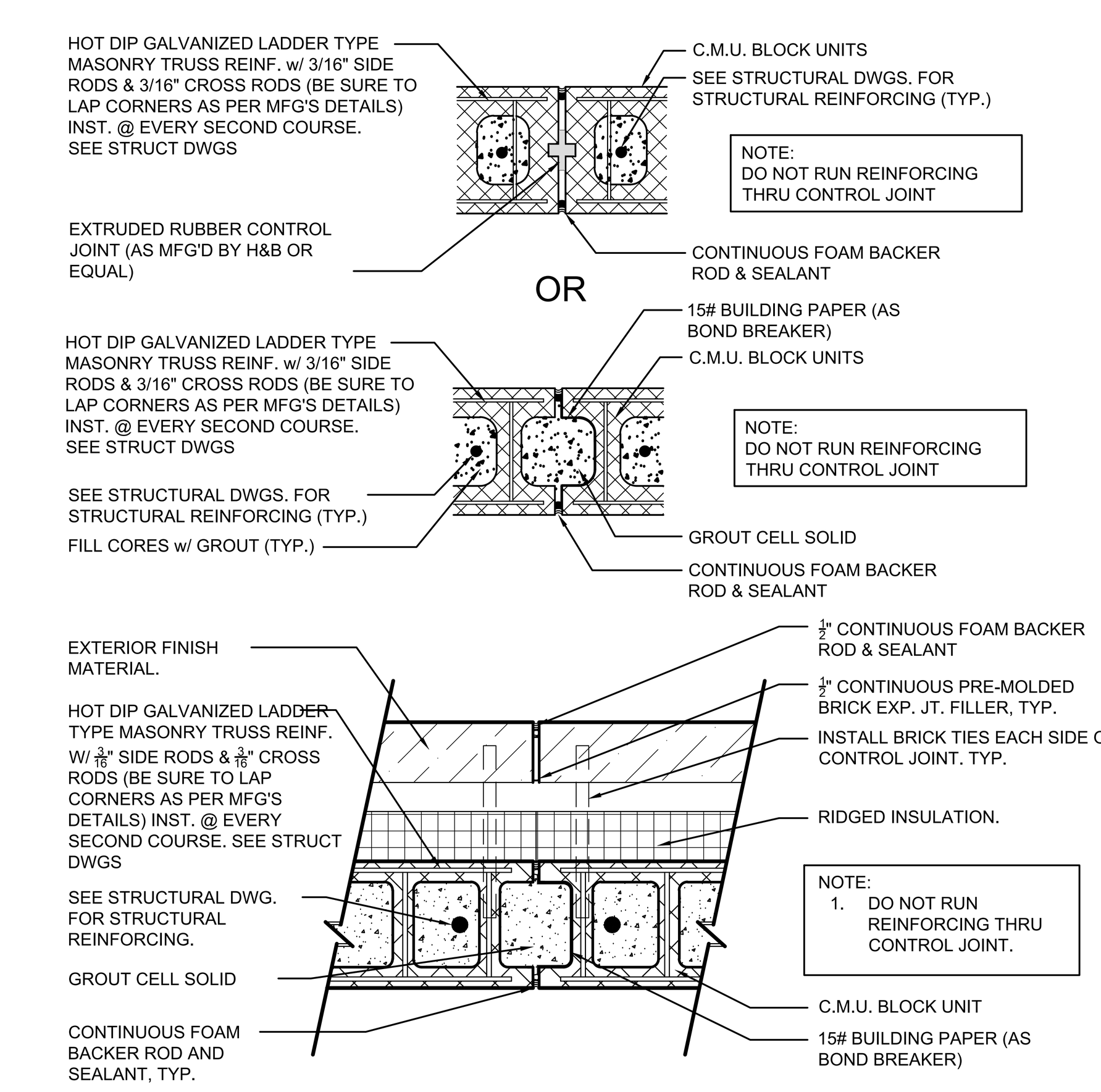
FIRE EXTINGUISHER TYPES -
- MULTI-PURPOSE DRY-CHEMICAL TYPE, UL RATING 2A-10B:C, 5LB NOMINAL CAPACITY
- CLASS K WET-CHEMICAL TYPE, UL RATING 2A:K, 1½ GAL. (6 LITERS) NOMINAL CAPACITY - AS REQUIRED BY CODE FOR KITCHENS ONLY.

PROVIDE STANDARD BRACKET FOR MOUNTING OF FIRE EXTINGUISHER - REFER TO SPECIFICATIONS.

FIRE EXTINGUISHER TYPES, QUANTITY, CAPACITY, WEIGHT, MOUNTING HEIGHTS, TRAVEL DISTANCES AND LOCATIONS OF ALL FIRE EXTINGUISHERS ARE TO MEET ALL APPLICABLE CODES AND REQUIREMENTS.

PLAN DETAL @ WALL MTD. FIRE EXTINGUISHER

SCALE: NTS

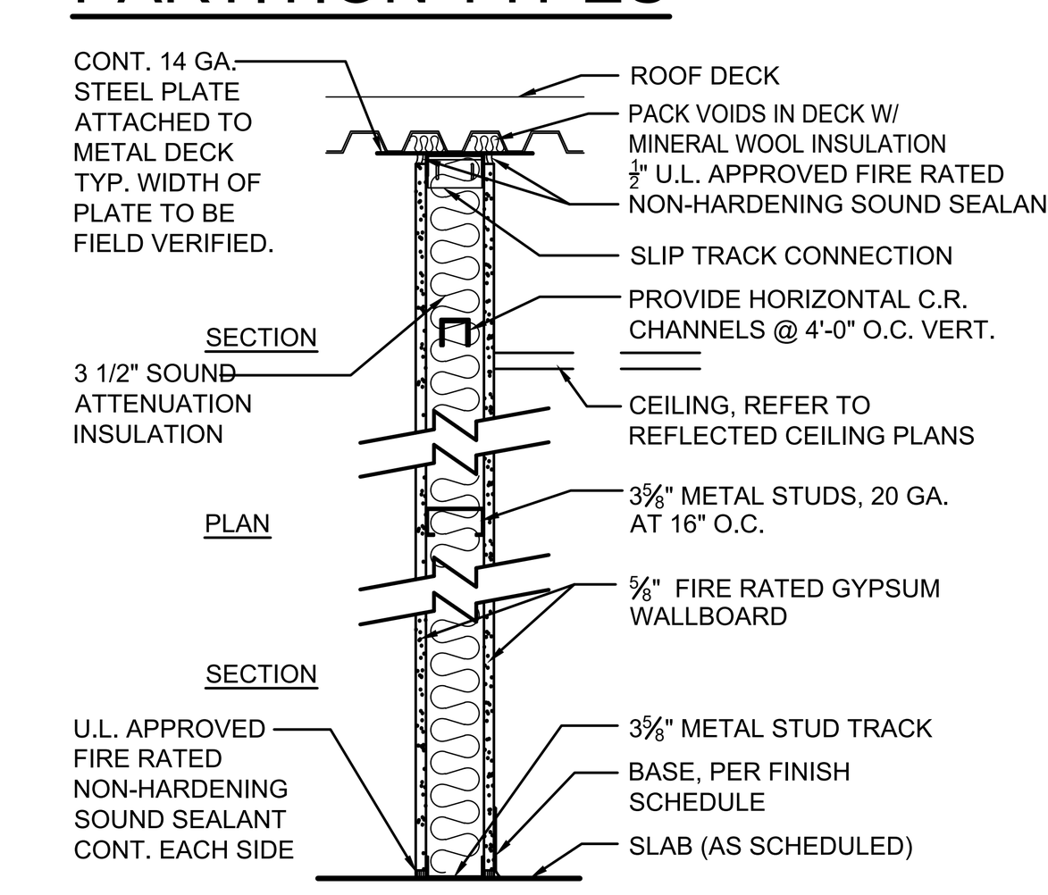


1 GN-101 TYPICAL CONTROL JOINT

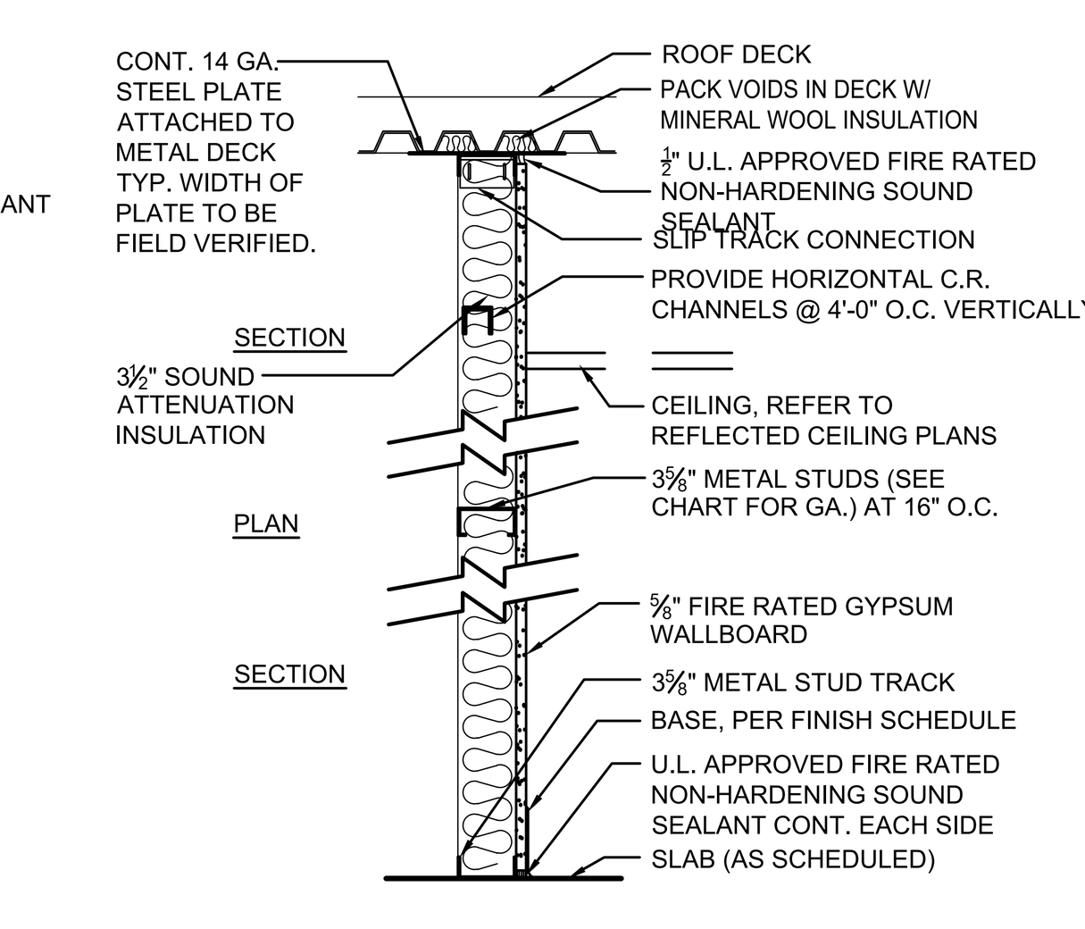
SCALE: 1 1/2"=1'-0"

PROVIDE CONTROL JOINT SPACING AT 20'-0" MAX UNLESS OTHERWISE NOTED.REFER TO FLOOR PLANS AND BUILDING. ELEVATIONS FOR CONTROL JOINT LOCATIONS TYP.

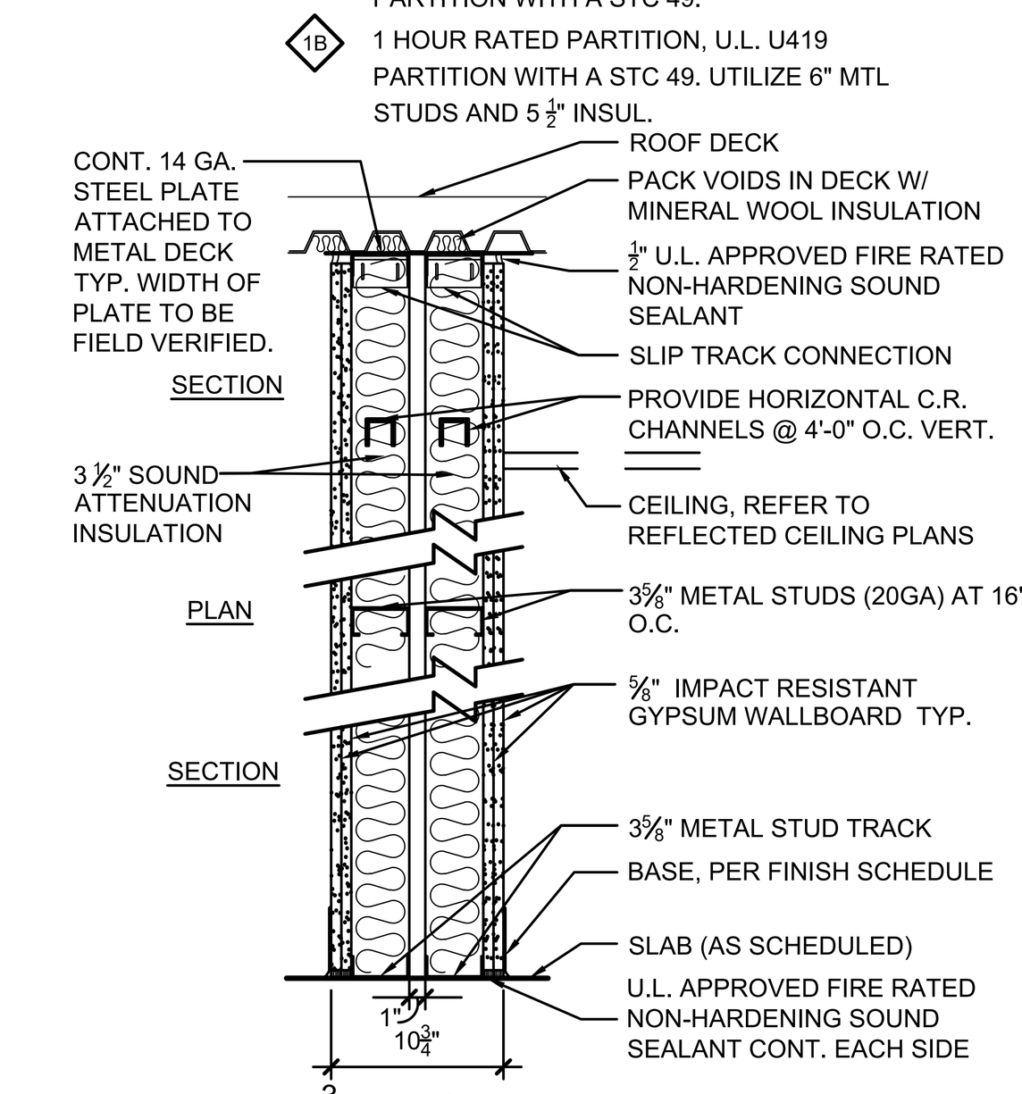
PARTITION TYPES



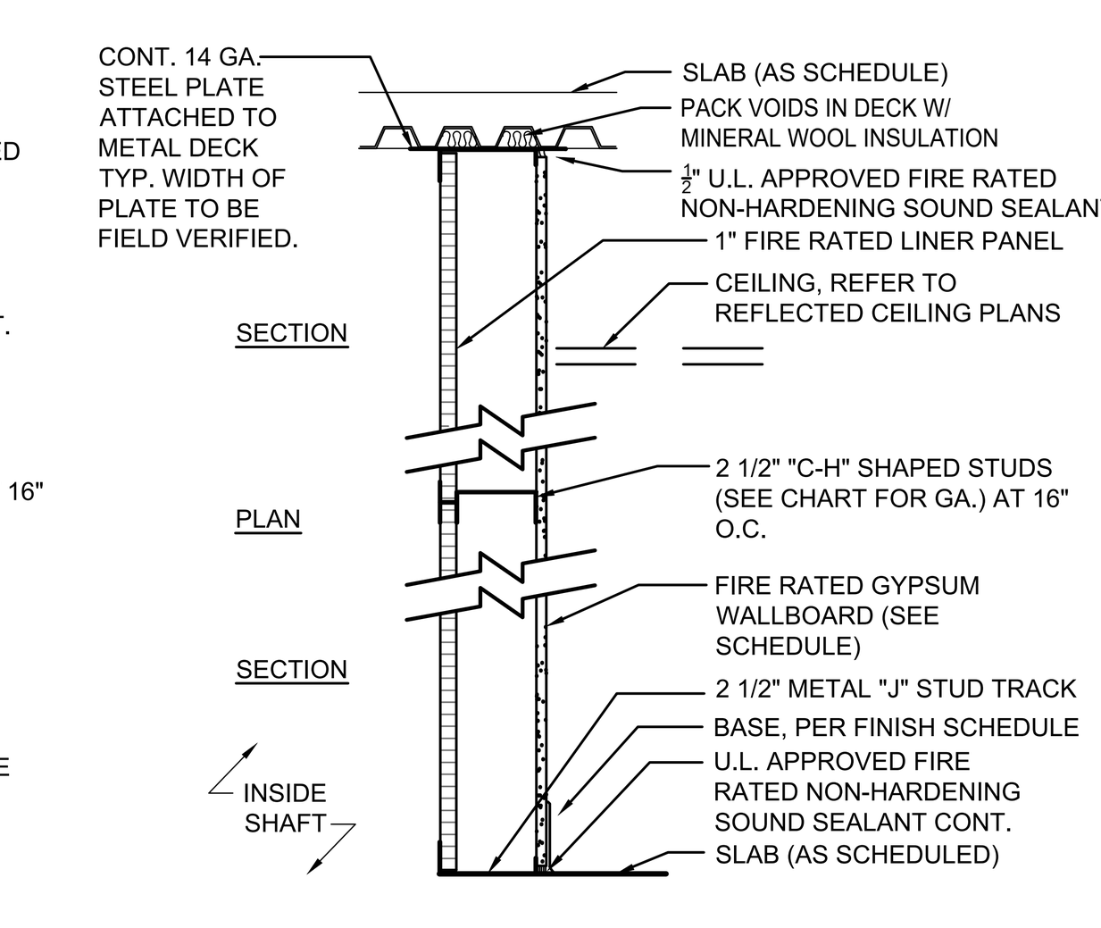
4⅞" PARTITION
- 1 PARTITION WITH A STC 49.
- 1A 1 HOUR RATED PARTITION, U.L. U419 PARTITION WITH A STC 49.
- 1B 1 HOUR RATED PARTITION, U.L. U419 PARTITION WITH A STC 49. UTILIZE 6" MTL STUDS AND 5½" INSUL.



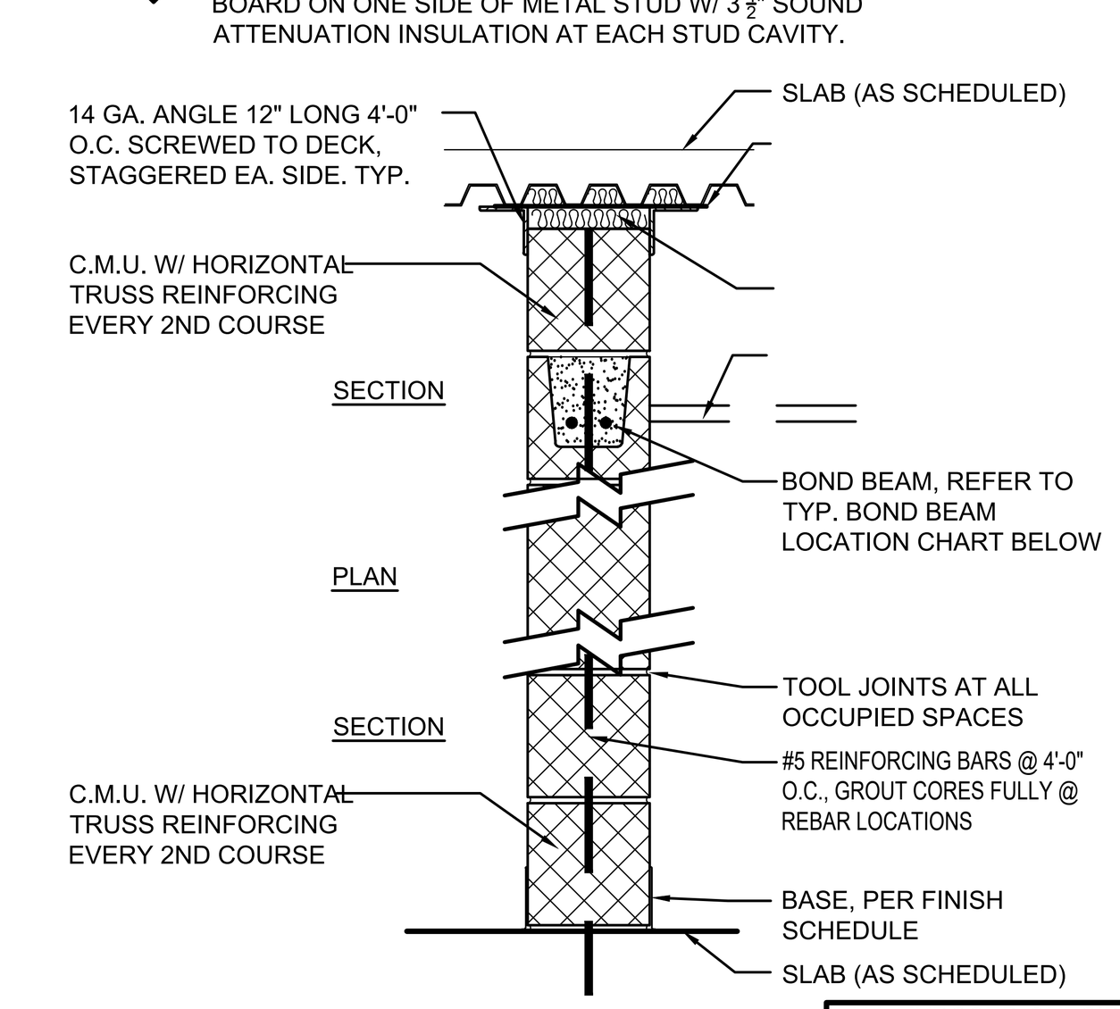
4⅞" PARTITION
- 2 PARTITION W/ INSULATION. RUN GYPSUM BOARD FROM FINISHED FLOOR TO DECK ABOVE.



10 ⅜" PARTITION
- 3 (2) 4⅞" PARTITION STC 74 - TWO LAYER GYPSUM WALL BOARD ON ONE SIDE OF METAL STUD W/ 3½" SOUND ATTENUATION INSULATION AT EACH STUD CAVITY.



3 1/8" SHAFT WALL PARTITION
- 4 3-1/8" PARTITION - 1 HOUR RATED SHAFTWALL WITH U.L. DESIGN OF U415. 2-1/2" STUDS IN LIEU OF 6"

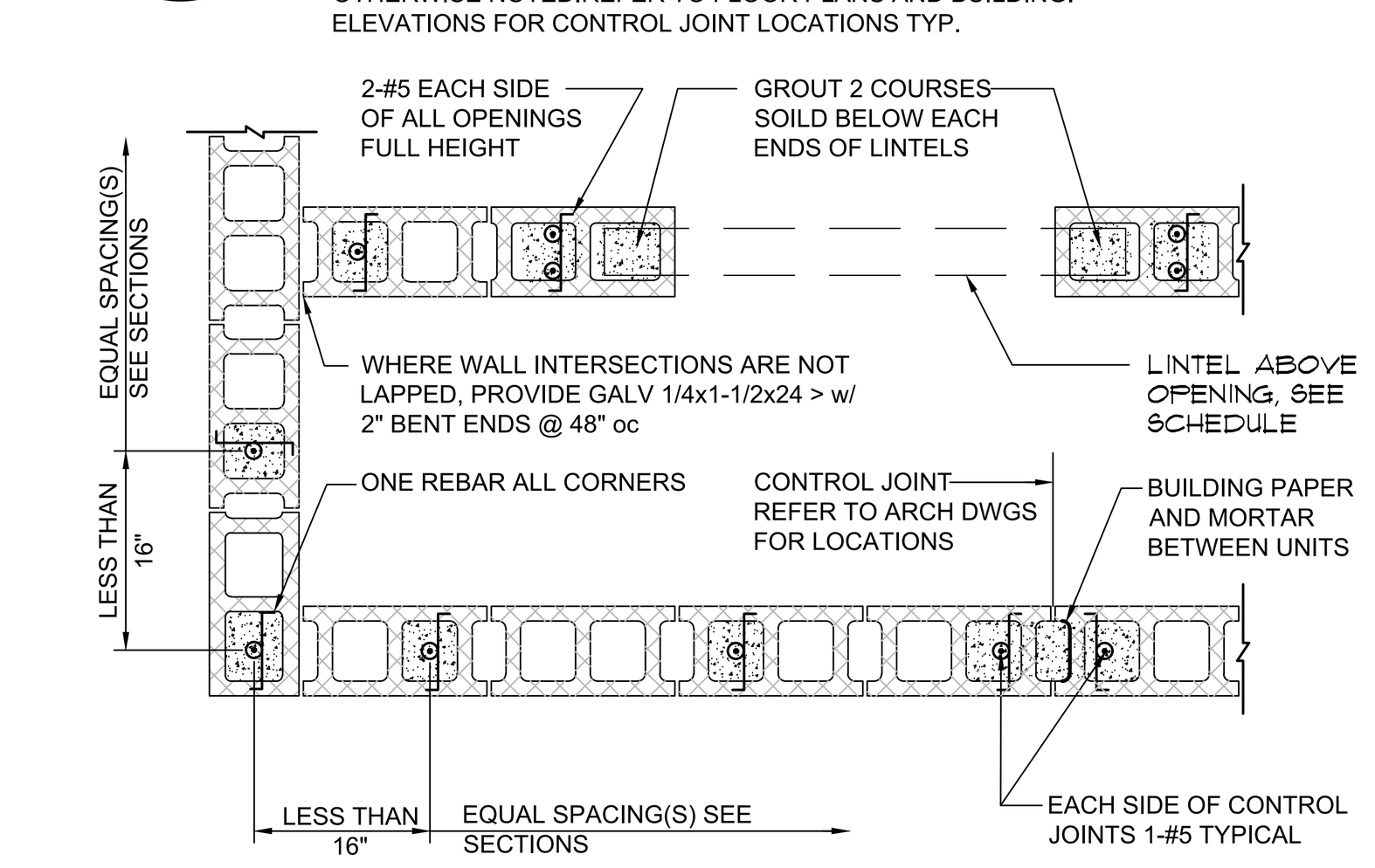


ALL EXPOSED OUTSIDE C.M.U CORNERS SHALL HAVE RADIUSED EDGES.

C.M.U. WALL REINFORCING
C.M.U. WALLS 16'-0" AND 14'-0" FLOOR TO FLOOR - REQUIRE #4 @ 10'-0" O.C. C.M.U. WALLS 20'-0" FLOOR TO FLOOR - REQUIRED #5 @ 10'-0" O.C.

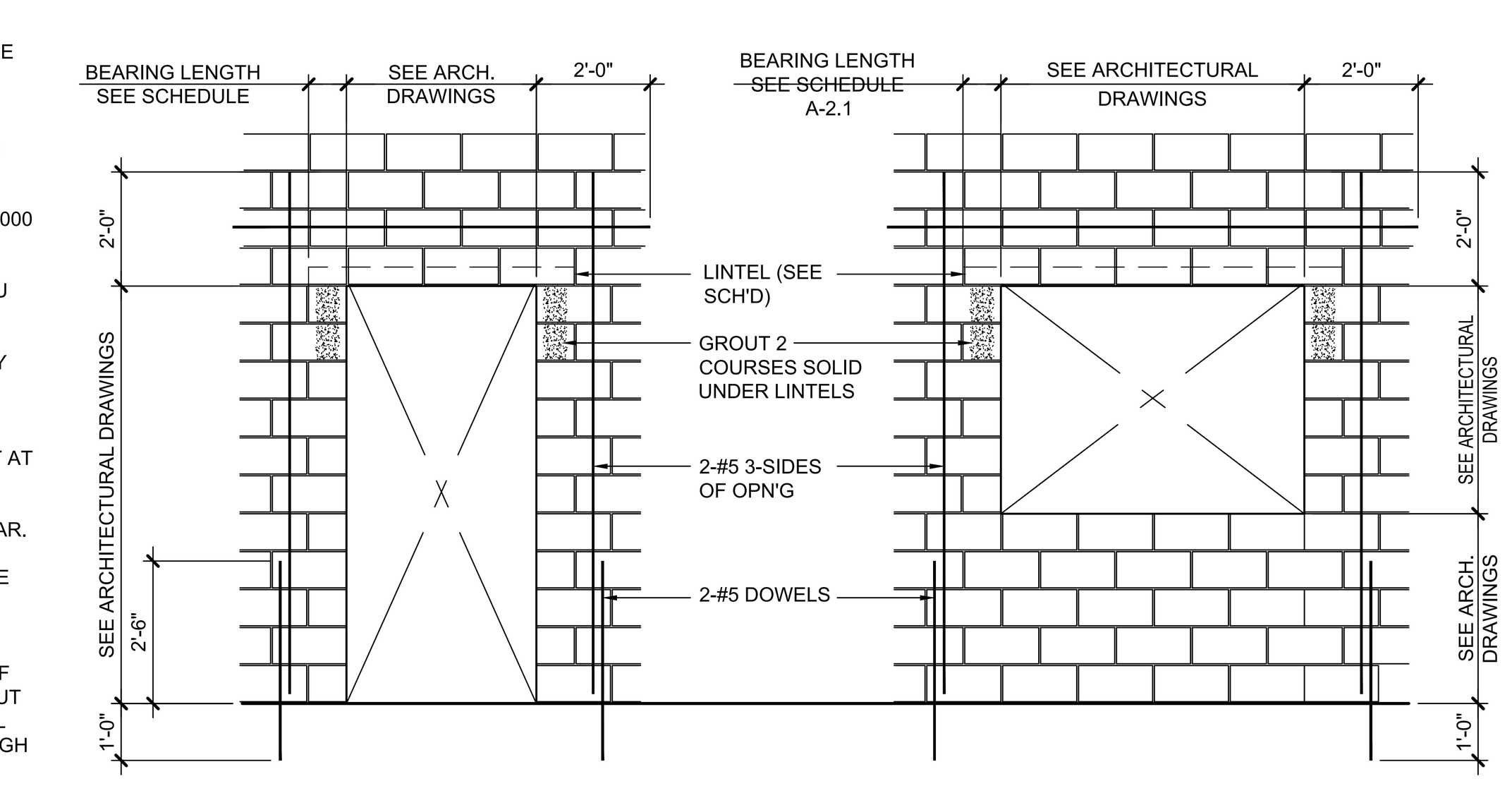
C.M.U. PARTITIONS
- 5 8" C.M.U. PARTITION.
- 5A 8" C.M.U. 2 HOUR RATED PARTITION U.L. U905.
- 5B 4" C.M.U. PARTITION. C.M.U. FROM FINISHED FLOOR TO 6" ABOVE CEILING (U.N.O)
- 5C 6" C.M.U. PARTITION.

TYPICAL MASONRY NOTES U.ON
1. MASONRY WALLS SHALL BE DESIGNED AROUND AND F'M =1500 PSI.
2. ALL CMU WALLS SHALL BE ASTM C90 WITH AN AVERAGE NET COMPRESSIVE STRENGTH OF 1900 PSI.
3. MORTAR SHALL CONFORM TO ASTM C-476.
   - 3.1. TYPE M - ALL FOUNDATION AND RETAINING WALLS
   - 3.2. TYPE S - ALL ABOVE GRADE EXTERIOR WALLS
4. GROUT SHALL HAVE A COMPRESSIVE STRENGTH OF 2,000 PSI AND CONTAIN PEAS GRAVEL.
5. REFER TO ELEVATION AND FINISH DRAWINGS FOR CMU SURFACE AND COLOR.
6. PROVIDE 9 GAGE GALVANIZED REBAR POSITIONERS BY WIRE BOND OR EQUAL.
7. PROVIDE HORIZONTAL LADDER TYPE (TRUSS TYPE INTERFERES WITH GROUTING) JOINT REINFORCEMENT AT 16" O.C. ABOVE GRADE AND 8" O.C.
8. ALL MASONRY SHALL BE LAID IN A FULL BED OF MORTAR.
9. GROUTING OF MASONRY W/ VERTICAL REINF. SHALL BE PREFORMED IN 48" LIFT HEIGHTS (MAXIMUM) UNLESS CONTRACTOR CAN DEMONSTRATE EXPERIENCE WITH HIGH LIFT GROUTING. HIGH LIFT GROUTING WOULD INVOLVE CREATING OUTLET HOLES AT THE BOTTOM OF EVERY VERTICAL GROUT COLUMN AND PUMPING GROUT CONTAINING "GLENIUM" FROM THE TOP OF WALL UNTIL GROUT FLOWS OUT OF THE BOTTOM OUTLET HOLE. HIGH LIFT MUST BE CONTINUOUSLY INSPECTED.\
10. ALL CONCRETE MASONRY WALLS (C.M.U) TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL CONCRETE MASONRY ASSOCIATION. 2302 HORSE PEN ROAD, HERNDON, VIRGINIA 22071-3406



TYPICAL MASONRY WALL REINFORCING SCHEMATIC

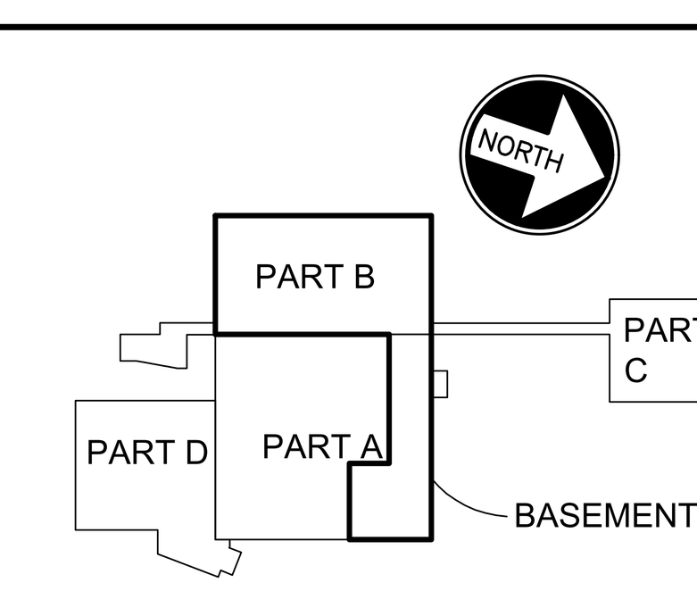
NOT TO SCALE (16)
1. USE REBAR POSITIONERS FOR ALL BARS
2. ALL REBAR TO BE SET IN 2000 PSI GROUT



TYPICAL MASONRY WALL OPENING DETAIL

NOT TO SCALE (32)

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

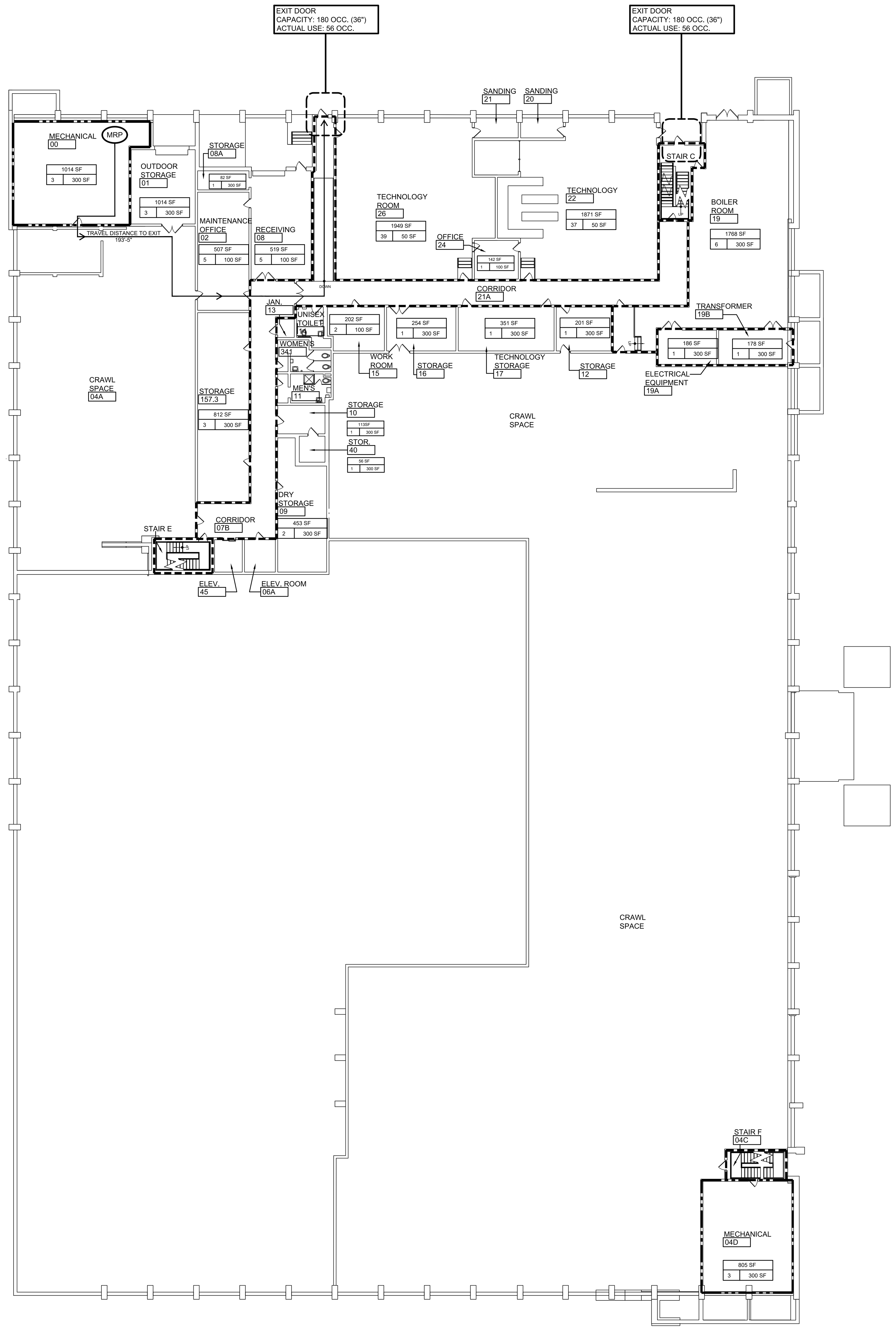
SEALS:

HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:
Vestal
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
PARTITION LEGEND, AND TYPICAL DETAILS

DRAWN BY:	PROJECT NO.:
CTP	2025-151P
CHECKED BY:	DRAWING NO.:
DM	GN-101
DATE:	
02-09-2026	



1 BASEMENT CODE COMPOSITE PLAN
CC-100
SCALE: 1/16" = 1'0"

CODE COMPLIANCE AND LIFE SAFETY LEGEND

- XX SF — AREA SQUARE FOOTAGE GROSS OR NET DEPENDING ON OCCUPANCY TYPE
- XX — OCCUPANCY LOAD FACTOR
- XX — NUMBER OF OCCUPANCY
- (RW) — ASSUMED RESCUE WINDOW LOCATIONS
- SYMBOL INDICATES ACCESSIBILITY POINT
- (MRP) — MOST REMOTE POINT TO EGRESS ACCESS
- INDICATES PATH OF EGRESS LENGTH OF TRAVEL
- ASSUMED EXISTING 1 HR. FIRE SEPARATION
- 1 HR. FIRE SEPARATION
- ASSUMED 2 HR. FIRE SEPARATION
- 2 HR. FIRE SEPARATION
- EXIT — EXIT DISCHARGE

BASEMENT FLOOR MEANS OF EGRESS
TOTAL OCCUPANT LOAD: 112
112 OCC. X 0.2" (DOOR) - 22.4" OF EXIT WIDTH REQUIRED
72" OF EXISTING EXIT WIDTH PROVIDED

REGULATIONS OF THE COMISSIONER OF EDUCATION PART 155 (8 NYCRR 155)

1. CERTIFICATE OF OCCUPANCY STATEMENT:

"THE OCCUPIED PORTION OF ANY SCHOOL BUILDING SHALL ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY."

2. ASBESTOS/LEAD TEST ASBESTOS LETTER

INDICATION THAT ALL SCHOOL AREAS TO BE DISTURBED DURING RENOVATION OR DEMOLITION HAVE BEEN OR WILL BE TESTED FOR LEAD AND ASBESTOS. NOTE, THE PROJECT FOLDER SHOULD CONTAIN A LETTER REGARDING THE PRESENCE OF ASBESTOS.

3. SAFETY & SECURITY DURING CONSTRUCTION STATEMENTS:

"GENERAL SAFETY AND SECURITY STANDARDS FOR CONSTRUCTION

(1) ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.

(2) FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.

(3) GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.

(4) DURING EXTERIOR RENOVATION WORK, OVERHEAD PROTECTION SHALL BE PROVIDED FOR ANY SIDEWALKS OR AREAS IMMEDIATELY BENEATH THE WORK SITE OR SUCH AREAS SHALL BE FENCED OFF AND PROVIDED WITH WARNING SIGNS TO PREVENT

(5) WORKERS SHALL BE REQUIRED TO WEAR PHOTO-IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING AT OCCUPIED SITES."

4. SEPARATION OF CONSTRUCTION STATEMENT:

"SEPERATION OF CONSTRUCTION AREAS FROM OCCUPIED SPACES. CONSTRUCTION AREAS WHICH ARE UNDER THE CONTROL OF A CONTRACTOR AND THEREFORE NOT OCCUPIED BY DISTRICT STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PREVENT THE PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTION AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST OR CONTAMINANTS. GYPSUM BOARD MUST BE USED IN EXIT WAYS OR OTHER AREAS THAT REQUIRE FIRE RATED SEPERATION. HEAVY DUTY PLASTIC SHEETING MAY BE USED ONLY FOR VAPOR BARRIER, AND SHALL NOT BE USED TO SEPERATE OCCUPIED SPACES FROM CONSTRUCTION AREAS.

(1) A SPECIFIC STAIRWELL AND/OR ELEVATOR SHOULD BE ASSIGNED FOR CONSTRUCTION WORKER USE DURING WORK HOURS. IN GENERAL, WORKERS MAY NOT USE CORRIDORS, STAIRS, OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF.

(2) LARGE AMOUNTS OF DEBRIS MUST BE REMOVED BY USING ENCLOSED CHUTES OR A SIMILAR SEALED SYSTEM. THERE SHALL BE NO MOVEMENT OF DEBRIS THROUGH THE HALLS OF OCCUPIED SPACES OF THE BUILDING. NO MATERIAL SHALL BE DROPPED OR THROWN OUTSIDE THE WALLS OF THE BUILDING.

(3) ALL OCCUPIED PARTS OF THE BUILDING AFFECTED BY RENOVATION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORK DAY. SCHOOL BUILDINGS OCCUPIED DURING A CONSTRUCTION PROJECT SHALL MAINTAIN REQUIRED HEALTH, SAFETY, AND EDUCATIONAL CAPABILITIES AT ALL TIMES THAT CLASSES ARE IN SESSION."

5. CONSTRUCTION NOISE:

"CONSTRUCTION AND MAINTENANCE OPERATIONS SHALL NOT PRODUCE NOISE IN EXCESS OF 60 DBA IN OCCUPIED SPACES OR SHALL BE SCHEDULED FOR TIMES WHEN THE BUILDING OR AFFECTED BUILDING SPACES ARE NOT OCCUPIED OR ACOUSTICAL ABATEMENT MEASURES SHALL BE TAKEN."

6. CONSTRUCTION FUME CONTROL:

"THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF CHEMICAL FUMES, GASES, AND OTHER CONTAMINATES PRODUCED BY WELDING, GASOLINE, OR DIESEL ENGINES, ROOFING, PAVING, PAINTING, ETC. TO ENSURE THEY DO NOT ENTER OCCUPIED PORTIONS OF THE BUILDING OR AIR INTAKES."

7. OFF-GASSING CONTROL:

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ACTIVITIES AND MATERIALS WHICH RESULT IN "OFF-GASSING" OF VOLATILE ORGANIC COMPOUNDS SUCH AS GLUES, PAINTS, FURNATURE, CARPETING, WALL COVERING, DRAPERY, ETC. ARE SCHEDULED, CURED OR VENTILATED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS BEFORE A SPACE CAN BE OCCUPIED."

8. ASBESTOS CODE RULE 56:

"LARGE AND SMALL ASBESTOS ABATEMENT PROJECTS AS DEFINED BY 12NYCRR56 SHALL NOT BE PERFORMED WHILE THE BUILDING IS OCCUPIED". NOTE, IT IS OUR INTERPRETATION THAT THE TERM "BUILDING". AS REFERENCED IN THIS SECTION, MEANS A WING OR MAJOR SECTION OF A BUILDING THAT CAN BE COMPLETELY ISOLATED FROM THE REST OF THE BUILDING WITH SEALED NON COMBUSTIBLE CONSTRUCTION. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION AND VENTILATION SYSTEMS MUST BE PHYSICALLY SEPERATED AND SEALED AT THE ISOLATION BARRIER.

EXTERIOR WORK SUCH AS ROOFING, FLASHING, SIDING, OR SOFFIT WORK MAY BE PERFORMED ON OCCUPIED BUILDINGS PROVIDED PROPER VARIANCES ARE IN PLACE AS REQUIRED, AND COMPLETE ISOLATION OF VENTILATION SYSTEMS AND AT WINDOWS IS PROVIDED. CARE MUST BE TAKEN TO SCHEDULE WORK SO THAT CLASSES ARE NOT DISRUPTED BY NOISE OR VISUAL DISTRACTION.

9. TESTING LEAD AND ASBESTOS

SURFACES THAT WILL BE DISTRIBUTED BY RECONSTRUCTION MUST HAVE A DETERMINATION MADE AS TO THE PRESENCE OF LEAD. PROJECTS WHICH DISTURB SURFACES THAT CONTAIN LEAD SHALL HAVE IN THE SPECIFICATIONS A PLAN PREPARED BY A CERTIFIED LEAD RISK ASSESSOR OR SUPERVISOR WHICH DETAILS PROVISIONS FOR OCCUPANT PROTECTION, WORKSITE PREPERATION, WORK METHODS, CLEANING AND CLEARANCE TESTING WHICH ARE IN GENERAL ACCORDANCE WITH THE HUD GUIDELINES.

10. FIRE PREVENTION:

THERE IS NO SMOKING ON ANY SCHOOL PROPERTY FOR FIRE PREVENTION. ANY HOLES IN FLOORS OR WALLS SHOULD BE SEALED WITH A FIRE-RESISTANT MATERIAL

CODE REPORT

Vestal Central School District Phase 3
HA PN: 2022-295P

PROPOSED SCOPE OF WORK
- New single story steam addition
- Existing egress stair renovation (Level 2 Alteration)
- Unit ventilator and casework replacement at select classrooms (Level 1 Alteration)
- Existing library and select adjacent room renovations (Level 2 Alteration)

APPLICABLE CODES:
2020 Building Code of New York State (IBC 2018)
2020 Existing Building Code of New York State (IEBC 2018)
2018 Fire Code of New York State (IFC 2018)
2010 ADA Americans with Disabilities Act
2009 ICC/ANSI A117.1
2020 Energy Conservation Code of New York State (IECC 2018)
2020 Plumbing Code of New York State (IPC 2018)
2020 Mechanical Code of New York State (IMC 2018)
2017 National Electrical Code of New York State (NFPA 70 2017)
ASCE 7-16
2022 NYSED Manual of Planning Standards

BUILDING USE GROUP:
E - Educational

CONSTRUCTION TYPE EXISTING:
TYPE 2B Non-Combustible

CONSTRUCTION TYPE ADDITION:
TYPE 2B Non-Combustible

NOTE: Protection of the addition's structural frame adjacent to the Freestanding 2 hour fire wall that terminates at underside of the new roof deck, to be provided with one-hour roof construction and one-hour supporting columns/beams at the new corridor, Corridor S-100, linking the steam addition and existing building. Structural frame to protected with intumescent paint(1 hour rating). The remainder of the steel columns and beams shall be unprotected.

AUTOMATIC SPRINKLER SYSTEM:
The existing building does not have an automatic sprinkler system.

903.2.3 GROUP E:
An Automatic Sprinkler System is required for Use Group E where the fire area exceeds 12,000 s.f. **Per Section 803.2.2 Exception #2 of the Existing Building Code, the Work Area is not required to be sprinklered when the work area is less than 50% of the floor area.**

NOTE: Per Section 803.2.2 Exception #2 of the Existing Building Code, the Work Area is not required to be sprinklered when the work area is less than 50% of the floor area

NOTE: The STEAM Addition will not require sprinklers (less than 12,000 s.f.) and separated from existing building with a free standing 2 hour rated fire wall.

BUILDING HEIGHT & AREA:

EXISTING BUILDING AREA:

Existing Basement Level:	51,525 s.f.
Existing First Floor:	113,730 s.f.
Existing Second Floor:	113,730 s.f.

EXISTING BUILDING HEIGHT:
Existing School: 2 Story, 52'-8" ft.

ADDITION AREA:
STEAM Addition: 2,969 s.f.
ADDITION HEIGHT:
STEAM Addition: 1 Story, 21'-7"

ALLOWABLE AREA & HEIGHT - STEAM ADDITION - TYPE 2B CONSTRUCTION:
STEAM Addition 2B Construction without sprinklers
Allowable Area - 14,500 s.f. (Group E)
Allowable Height - 55 ft.

NOTE: *The existing school's floor levels exceed the allowable area of 14,500 s.f. for Group E occupancy Type 2B construction without sprinklers. A 2 hour Fire Wall Construction is being provided to separate the existing building from the STEAM Addition*

FIRE RESISTANCE RATING (TABLE 601):
Type 2B Non-Combustible Construction

BUILDING ELEMENT	FIRE RESISTANCE RATING	U.L. DESIGN
Primary Structural Frame	0 Hr.	-
	1 Hr. (steel columns in corridor S-100)	X829 / X827
	1 Hr. (steel beams in corridor S-100)	D902
Bearing Walls - Exterior	0 Hr.	-
Bearing Walls - Interior	0 Hr.	-
	2 Hr. at Firewall, at Addition	U905 NFPA 221
Floor Construction and Secondary Members	0 Hr.	-
Roof Construction and Secondary Members	0 Hr.	-
	1 Hr. at New Low Roof adjacent to Firewall (future corridor slab) at STEAM Addition	D902
Fire Wall at Addition (Table 706.4 - 2hr for Type 2B Const)	2 Hr.	U905 NFPA 221
Exit Access Corridors	1 Hr. (w/out sprinklers)	U905
Boiler / Mechanical Room	2 Hr.	U905
Electrical Room	1 Hr./2 Hr. per MPS	U905

MEANS OF EGRESS
BASEMENT LEVEL

Total Occupant Load -	112 occupants
112 occ. x 0.2" (door) -	22.4" of exit width required
	72" of existing exit width provided

FIRST FLOOR

Occupant Load -	2,595 occupants (A,B,D, and addition)
2,595 occ. x 0.2" (door) -	519" of exit width required
	1,296" of existing exit width provided
Occupant Load -	582 occupants (C)
	582 occ. x 0.2" (door) - 116.4" of exit width required
	396" of existing exit width provided

SECOND FLOOR MEANS OF EGRESS

Total Occupant Load:	2,168 occupants
2,168 occ. x 0.3" (stair) -	651" of exit width required
	851" of existing exit width provided
	144" of existing door width provided

STEAM ADDITION MEANS OF EGRESS

Total Occupant Load:	32 occupants
32 occ. x 0.2" (door) -	7" of exit width required
	108" of existing exit width provided

EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2):

Occupancy	without Sprinkler System
E (Educational)	200 ft.

TABLE 1006.2.1 COMMON PATH OF EGRESS TRAVEL DISTANCE
E Occupancy - 75 ft. without sprinklers.

DEAD END CORRIDOR (NYSED MPS-MOST RESTRICTIVE)
S107-1, C CORRIDORS:
Corridor pockets and dead end corridors shall be restricted to a depth of 1 and 1/2 times the width of the pocket, or to 1 and 1/2 times the width of the corridor, whichever is less.

FIRE WALLS SECTION 706:

706.2 STRUCTURAL STABILITY:
Fire Walls shall be designed and constructed to allow collapse of the structure on either side without collapse of the wall under fire conditions. Fire walls designed and constructed in accordance with NFPA 221 shall be deemed to comply with this section.

NOTE: A cantilevered free-standing 12" CMU Fire Wall Construction per NFPA 221 will be used at the STEAM Addition adjacent to the existing Building adjacent to Column Line 6 running in the East/West direction between Column Lines A and B.

FIRE WALL FIRE RESISTANCE RATING TABLE 706.4:
A 2 hour fire wall is required per Exception A for Type II Construction.

706.5 HORIZONTAL CONTINUITY:
Fire walls shall be continuous from exterior wall to exterior wall and shall extend not less than 18 inches beyond the exterior surface of exterior walls.

EXCEPTION #2: Fire walls shall be permitted to terminate at the interior surface of noncombustible exterior sheathing, exterior siding or other noncombustible exterior finishes provided that the sheathing, siding or other exterior noncombustible finish extends a horizontal distance of not less than 4 feet on both sides of the fire wall.

NOTE: (Refer to floor plans). The 2 hour rated fire wall at the STEAM Addition will have horizontal continuity on both sides as new and existing wall construction will be of not less than 1 hour rated construction for distance of equal to or greater than 4'-0". Wall construction of the STEAM Addition along Column Lines A and B shall be of 2 hour rated construction. At the existing building, modifications are being made to accommodate the requirements on the South wall of the existing building on the East and West sides along existing Column Line 2. The Existing wall construction is on CMU, brick and precast panels carrying a rating on not less than 1 hour. Partial infill of existing no rated openings shall be infilled with 1 hour rated construction.

706.5.1 EXTERIOR WALLS:
Where the fire wall intersects exterior walls, the fire-resistance rating and opening protection of the exterior walls shall comply with the following:

The exterior walls on both sides of the fire wall shall have a 1-hour fire-resistance rating with 3/4-hour protection where opening protection is required by Section 705.8. The fire-resistance rating of the exterior wall shall extend not less than 4 feet on each side of the intersection of the fire wall to exterior wall. Exterior wall intersections at fire walls that form an angle to or greater than 180 degrees do not need exterior wall protection.

NOTE: *The existing and new exterior walls are CMU Construction with Brick Veneer and will achieve a minimum 1-hour rating.*

706.6 VERTICAL CONTINUITY:
Fire walls shall extend from the foundation to a termination point not less than 30 inches above both adjacent roofs.

EXCEPTIONS:

1. Stepped buildings in accordance with Section 706.6.1.
2. Two-hour fire resistance-rated walls shall be permitted to terminate at the underside of the roof sheathing, deck or slab provided that:
   2.1. The lower roof assembly within 4 feet of the wall has not less than a 1-hour fire-resistance rating and the entire length and span of supporting elements for the rated roof assembly has a fire-resistance rating of not less than 1 hour.
   2.2. Openings in the roof shall not be located within 4 feet of the fire wall.
   2.3. Each building shall be provided with not less than a Class B roof covering.
3. Walls shall be permitted to terminate at the underside of noncombustible roof sheathing, deck or slabs where both buildings are provided with not less than a Class B roof covering. Openings in the roof shall not be located within 4 feet of the fire wall.

706.6.1 STEPPED BUILDINGS:
Where a fire wall serves as an exterior wall for a building and separates buildings having different roof levels, such wall shall terminate at a point not less than 30 inches above the lower roof level, provided the exterior wall for a height of 15 feet above the lower roof is not less than 1-hour fire resistance rated construction from both sides with openings protected by fire assemblies having a fire protection rating of not less than 3/4 hour.
(See 2/CC-101)

EXCEPTIONS: Where the fire wall terminates at the underside of the roof sheathing, deck or slab of the lower roof, provided that:

1. **The lower roof assembly within 10 feet of the wall has not less than a 1-hour fire-resistance rating and the entire length and span of supporting elements for the rated roof assembly has a fire-resistance rating of not less than 1 hour.**
2. Openings in the lower roof shall not be located within 10 feet of the fire wall.

NOTE: *At the STEAM Addition, the cantilevered freestanding 12" CMU 2 hour Fire Wall will terminate at underside of one-hour rated roof deck/slab adjacent to Column Line 6. The lower roof adjacent to the existing building between Column Lines A and B and 3.8 and 6 will be 1 hour Fire Rated Roof Construction (future corridor slab). The existing and new roof is Class A rated.*

706.8 OPENINGS:
Each opening through a fire wall shall be protected in accordance with Section 716 and shall not exceed 156 square feet. The aggregate width of openings at any floor level shall not exceed 25 percent of the length of the wall.

NOTE: Openings in the cantilevered free-standing 12" CMU 2 hour Fire Wall at the STEAM Addition are sized to be within the limits listed above.

PLUMBING FIXTURE CALCULATIONS:

PLUMBING FIXTURE CALCULATION - ALTERATION LEVEL 2
809.1 Minimum Fixtures: The Occupant Load for the Renovated Work Areas has not increased the existing occupant load and is less than 20% of the story. (No Additional plumbing fixtures are required).

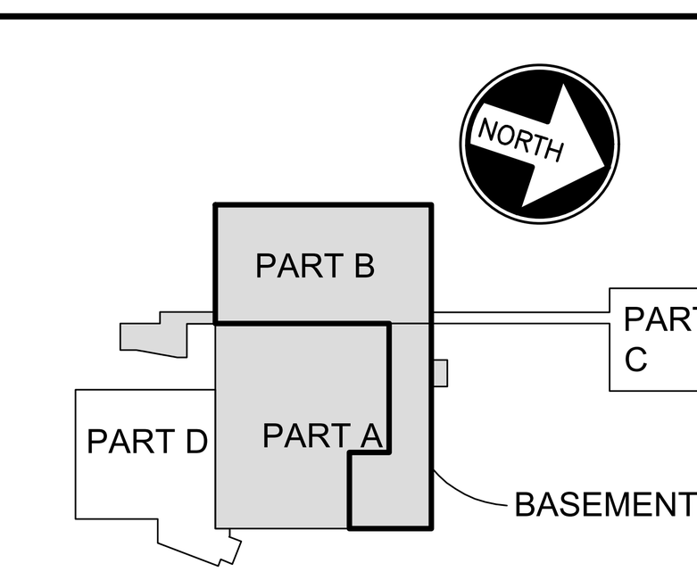
2020 ENERGY CONSERVATION CODE

Vestal, New York,	
Broome County -	Climate Zone 6A
Roof:	R-30 c.i. (insulation entirely above roof deck)
Walls above grade:	R-13.3 c.i. (mass walls above grade)
Walls below grade:	R-7.5 c.i.
Slab-on-grade:	R-10 for 24" below (unheated slabs)
Swinging doors:	U-0.37 (solid doors)
Entrance doors:	U-0.77
Fixed fenestration:	U-0.36 (window, storefront, & curtainwall)
SHGC PF<0.2:	U-0.40

SEISMIC DESIGN:

Building Exposure Category:	C
Seismic Design Category:	B
Seismic Importance Factor:	1.25
Wind Design (Basic Wind Speed):	120 MPH
Risk Category:	III

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
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New York • Pennsylvania

PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

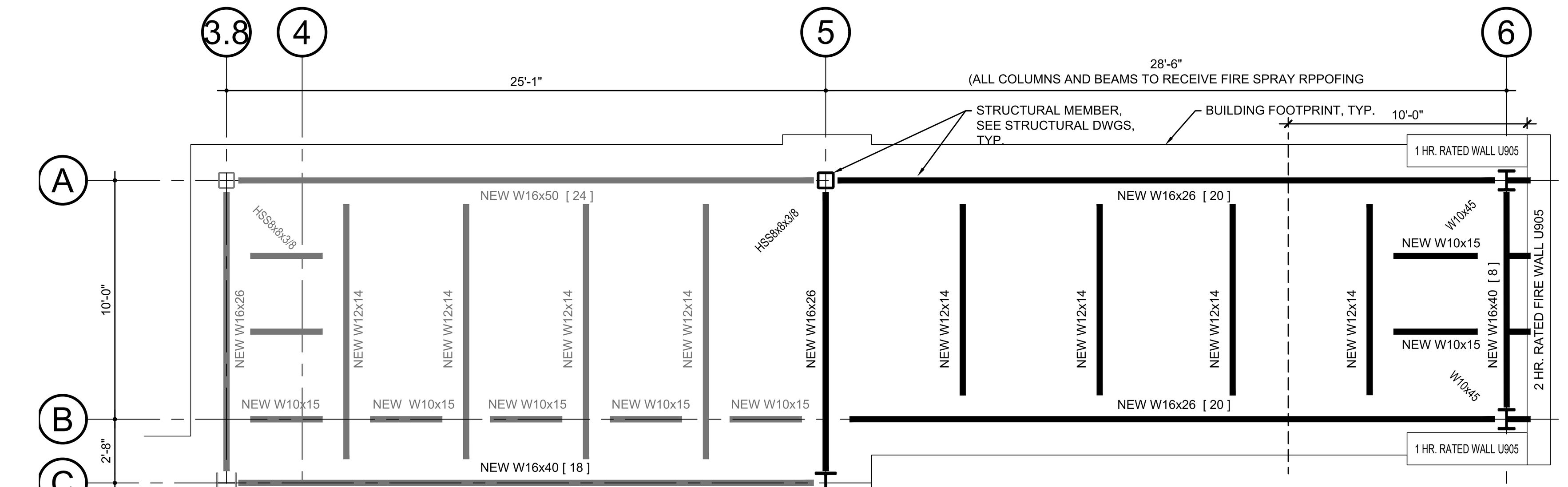
DRAWING TITLE:
BASEMENT CODE COMPLIANCE PLAN AND CODE REVIEW

DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: RS	DRAWING NO.: CC-100
DATE: 02-09-2026	

CAD FILE: 5151-CC-100.DWG
PLOT DATE: 2/4/2026

FIRST FLOOR PARTS A,B,D, STEAM ADDITION MEANS OF EGRESS
TOTAL OCCUPANT LOAD: 2,595
2,595 OCC. X 0.2" (DOOR) - 519" OF EXIT WIDTH REQUIRED
1,296" OF EXISTING EXIT WIDTH PROVIDED

1 / CC-101 — FIRST FLOOR COMPOSITE EXITING PLAN
SCALE: 1/16" = 1'0"

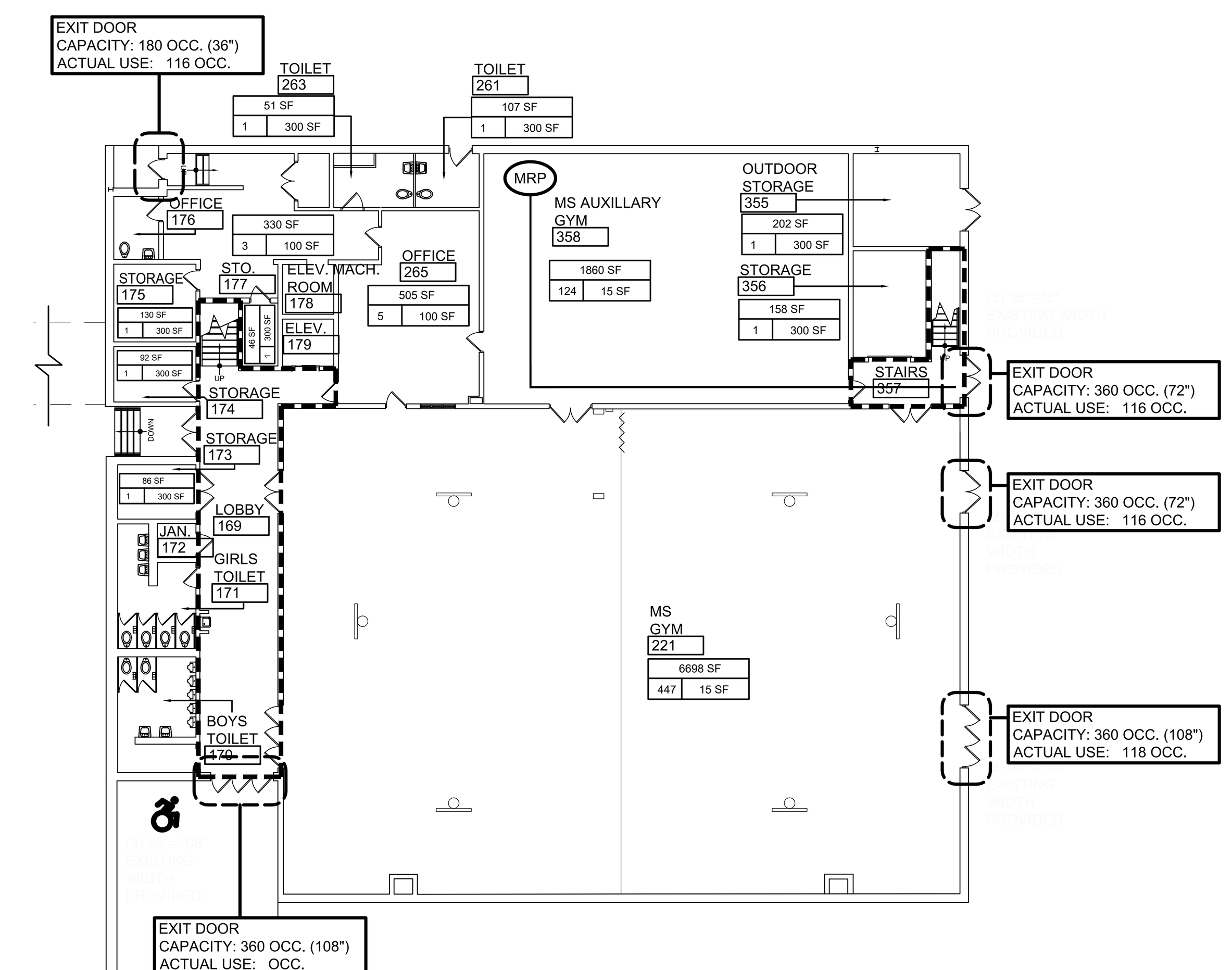


INDICATES STRUCTURAL MEMBER TO RECEIVE RATED FIRE PROOFING BY CAFCO OR EQUAL
- BLAZE-SHIELD HP AT WIDE FLANGE COLUMNS = ULX829
- BLAZE-SHIELD HP - PIPE & TUBE COLUMNS = ULX827
- BLAZE-SHIELD AT WIDE FLANGE BEAMS/STEEL = ULD902

NO FIRE PROOFING ONSTRUCTURAL MEMBER

2 / CC-101 — EXTENT OF SPRAY FIRE PROOFING PLAN AT STEAM ADDITION (CORRIDOR S-100)
SCALE: 1/4"=1'-0"

NOTE:
FIRE PROOFING OF STEEL IS DUE TO THE 2 HR FIRE WALL NOT EXTENDING 30" MIN PAST THE CORRIDOR ROOF.



FIRST FLOOR C BUILDING MEANS OF EGRESS
TOTAL OCCUPANT LOAD: 582
582 OCC. X 0.2" (DOOR) - 116.4" OF EXIT WIDTH REQUIRED
396" OF EXISTING EXIT WIDTH PROVIDED

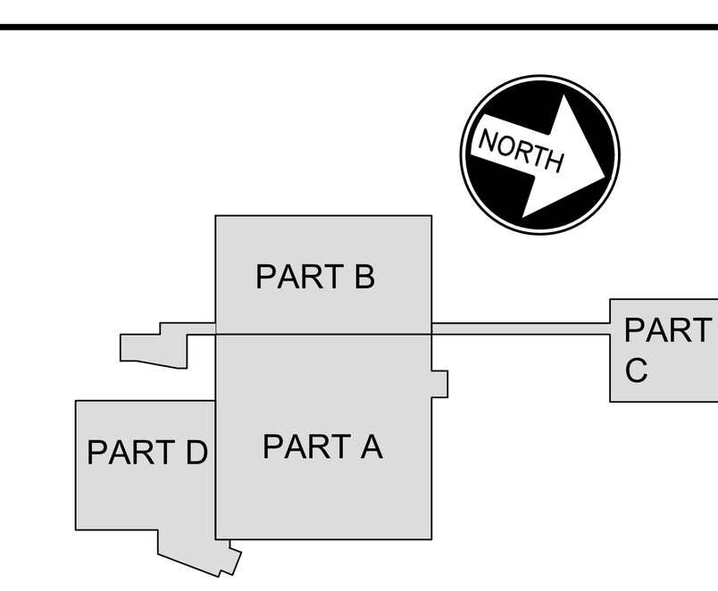
CODE COMPLIANCE AND LIFE SAFETY LEGEND

XX SF	
XX	XX

AREA SQUARE FOOTAGE GROSS OR NET DEPENDING ON OCCUPANCY TYPE
OCCUPANCY LOAD FACTOR
NUMBER OF OCCUPANCY

RW — ASSUMED RESCUE WINDOW LOCATIONS
SYMBOL INDICATES ACCESSIBILITY POINT
MRP — MOST REMOTE POINT TO EGRESS ACCESS
INDICATES PATH OF EGRESS LENGTH OF TRAVEL
ASSUMED EXISTING 1 HR. FIRE SEPARATION
1 HR. FIRE SEPARATION
ASSUMED 2 HR. FIRE SEPARATION
2 HR. FIRE SEPARATION
INDICATES AREA OF IMMEDIATE SCOPE

REVISIONS



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DRAWING TITLE:	
FIRST FLOOR CODE COMPLIANCE PLAN	
DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: RS	DRAWING NO.: CC-101
DATE: 02-09-2026	

CAD FILE: 5151-CC-101.DWG
PLOT DATE: 2/4/2026

CODE COMPLIANCE AND LIFE SAFETY LEGEND

AREA SQUARE FOOTAGE GROSS OR NET DEPENDING ON OCCUPANCY TYPE

XX SF | XX | XX

OCCUPANCY LOAD FACTOR

NUMBER OF OCCUPANCY

RW — ASSUMED RESCUE WINDOW LOCATIONS

SYMBOL INDICATES ACCESSIBILITY POINT

MRP — MOST REMOTE POINT TO EGRESS ACCESS

INDICATES PATH OF EGRESS LENGTH OF TRAVEL

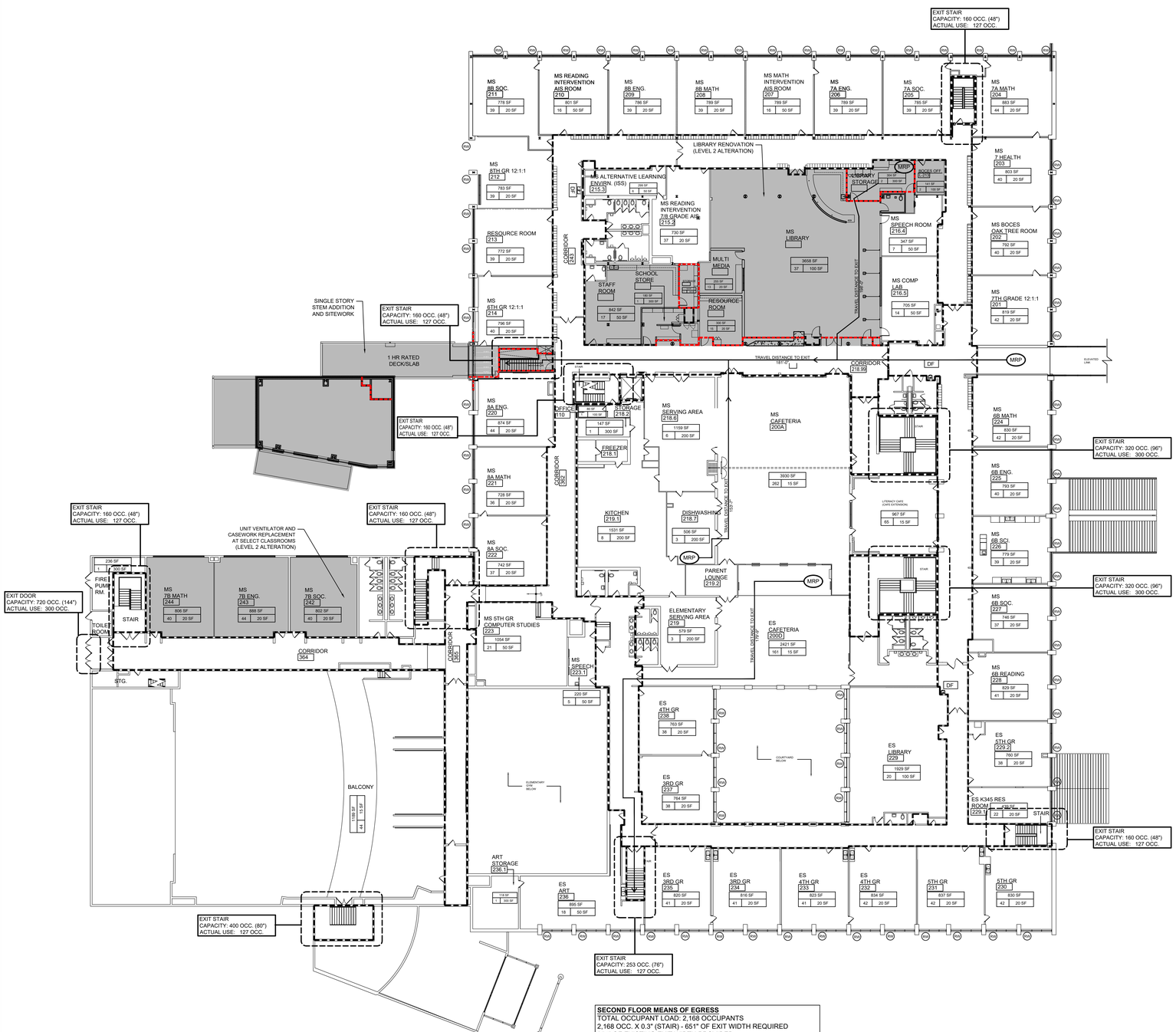
ASSUMED EXISTING 1 HR. FIRE SEPARATION

1 HR. FIRE SEPARATION

ASSUMED 2 HR. FIRE SEPARATION

2 HR. FIRE SEPARATION

INDICATES AREA OF IMMEDIATE SCOPE



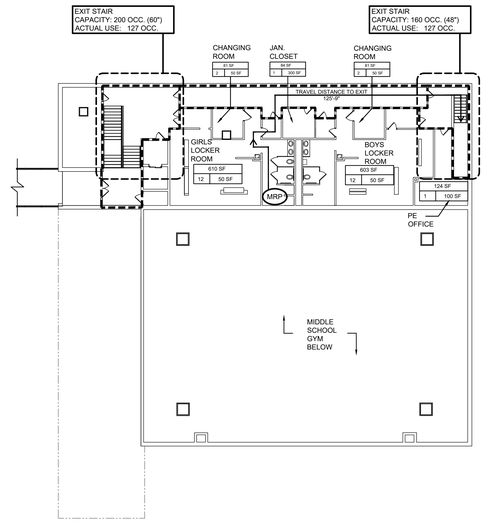
SECOND FLOOR MEANS OF EGRESS
TOTAL OCCUPANT LOAD: 2,168 OCCUPANTS
2,168 OCC. X 0.3" (STAIR) - 651" OF EXIT WIDTH REQUIRED
851" OF EXISTING EXIT WIDTH PROVIDED

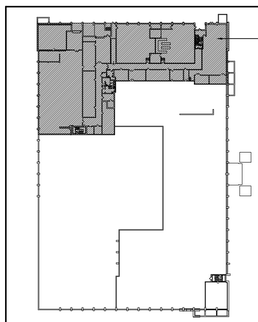
144" OF EXISTING DOOR WIDTH PROVIDED

1 / CC-102

SECOND FLOOR COMPOSITE EXITINGPLAN

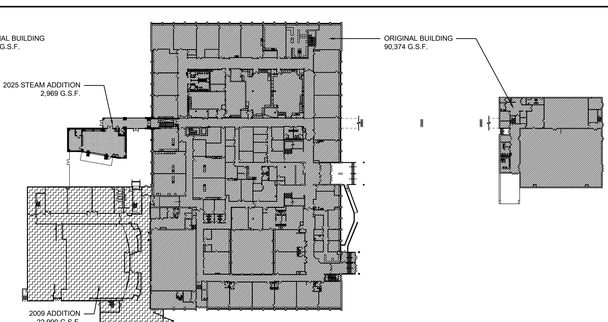
SCALE: 1/16" = 1'0"





BUILDING EVOLUTION BASEMENT KEY PLAN

SCALE: N.T.S.



BUILDING EVOLUTION FIRST FLOOR KEY PLAN

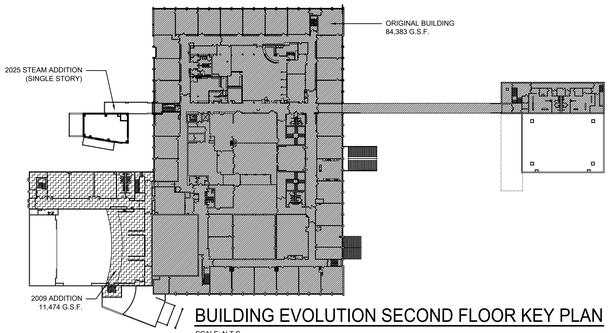
SCALE: N.T.S.

BUILDING EVOLUTION LEGEND

1970 - ORIGINAL BUILDING 2B NONCOMBUSTIBLE CONSTRUCTION

2009 - BUILDING ADDITION 2B NONCOMBUSTIBLE CONSTRUCTION

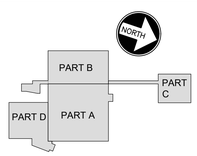
2025 - STEAM ADDITION 2B NONCOMBUSTIBLE CONSTRUCTION



BUILDING EVOLUTION SECOND FLOOR KEY PLAN

SCALE: N.T.S.

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
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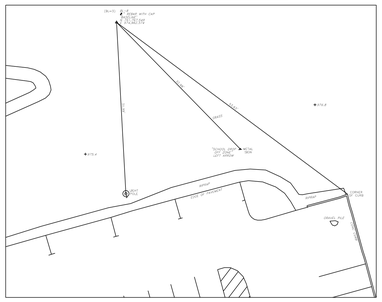
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

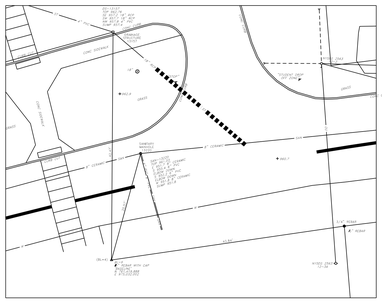
DRAWING TITLE:
SECOND FLOOR CODE COMPLIANCE PLAN

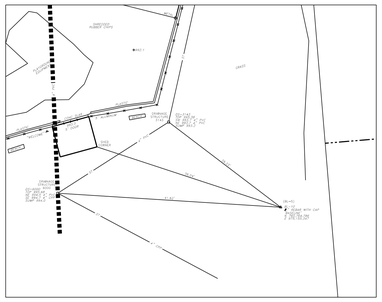
DRAWN BY:	PROJECT NO.:
CTP	2025-151P
CHECKED BY:	DRAWING NO.:
RS	CC-102
DATE: 02-09-2026	

DWG FILE: 151C-CC102.DWG
PLOT DATE: 2/9/2026

SOUTH BENITA BOULEVARD BASELINE TIE







SOUTH BENITA BOULEVARD BENCHMARK

(BM=50)

BM=61
A CHISELED 'X' ON THE SOUTHEAST AREA OF A CONCRETE BASE OF A LIGHT POLE LOCATED ON THE NORTHERLY EDGE OF PAVEMENT FOR THE NORTH PARKING LOT.

ELEVATION: 974.21 (NAVD88)

(BM=51)

BM=62
A CHISELED 'X' ON THE SOUTH AREA OF A CONCRETE BASE OF A LIGHT POLE LOCATED ON THE SOUTHERLY STREET BOUNDARY OF SOUTH BENITA BOULEVARD 715'± EASTERLY FROM THE INTERSECTION OF SOUTH BENITA BOULEVARD AND EAST BENITA BOULEVARD.

ELEVATION: 961.14 (NAVD88)

(BM=52)

BM=63
A CHISELED 'X' ON THE SOUTHWEST AREA OF A CONCRETE BASE OF A LIGHT POLE LOCATED AT THE SOUTHEASTERLY CORNER OF THE EASTERLY PARKING LOT.

ELEVATION: 974.86 (NAVD88)

(BM=53)

BM=64
A CHISELED 'X' ON THE WESTERLY FLANGE BOLT ON A FIRE HYDRANT LOCATED ON THE EASTERLY SIDE OF THE PARKING AREA, 85'± WESTERLY OF THE BUILDINGS SOUTHWEST CORNER.

ELEVATION: 985.78 (NAVD88)

Dig Safely. New York
Call 811
before you dig

GENERAL NOTES:

1) EXISTING SITE FEATURES AND UTILITIES SHOWN HAVE BEEN BASED UPON SURVEYS AND OTHER SOURCES BELIEVED TO BE RELIABLE. THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION SHOWN IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL INFORMATION BEFORE COMMENCING WORK.
2) THE CONTRACTOR SHALL MAINTAIN, REPAIR, AND/OR REPLACE ANY EXISTING SEDIMENT CONTROL DEVICES ENCOUNTERED AND DISTURBED DURING THE COURSE OF CONSTRUCTION. AT THE END OF EACH DAY, ALL MEASURES AND DEVICES SHALL BE REPAIRED OR REPLACED BEFORE LEAVING THE WORK SITE.
3) CONSTRUCTION SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION ON THE APPROVED EROSION AND SEDIMENT CONTROL DRAWINGS.
4) CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS.
5) CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES.
6) NUMERICALLY WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
7) UNLESS OTHERWISE NOTED, DIMENSIONS FROM CURB ARE MEASURED AT FACE OF CURB.
8) REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.
9) ALL GRADING AND EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S REPORT AND INSPECTED BY THE EIC.
10) CONTRACTOR SHALL PROVIDE A TWO-FOOT AREA AT 1/2 INCH PER FOOT SLOPE BEHIND ALL PROPOSED CURB, UNLESS OTHERWISE INDICATED.
11) FINISHED GRADES SHALL FALL AWAY FROM EXISTING AND PROPOSED BUILDINGS AT A MINIMUM OF 2.0 % FOR VEGETATED AND PAVED AREAS UNLESS OTHERWISE INDICATED.
12) CONSTRUCTION OF SUBGRADE, UNDERDRAINS, AND PAVING SHALL BE INSPECTED AND APPROVED BY THE EIC.
13) UNDERGROUND UTILITY LOCATIONS ARE NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES, WHETHER FUNCTIONAL OR ABANDONED, WITHIN THE PROJECT AREA ARE SHOWN ON THESE DRAWINGS. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE COMMENCING WORK AND SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM THEIR WORK. CONTRACTOR SHALL NOTIFY DIG SAFELY NEW YORK AT 811 OR 800.962.7962 IN ACCORDANCE WITH 16 NYCRR PART 753.
14) CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES, AS REQUIRED. REPORT ANY DISCREPANCIES FROM THE PLANS TO ENGINEER. ALL UTILITIES SHALL BE RETAINED UNLESS LABELED OTHERWISE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS AND WORK REQUIRED TO ADJUST EXISTING AND PROPOSED UTILITIES AND APPURTENANCES TO FINISH GRADES WITHIN THE LIMITS OF WORK. DAMAGE TO EXISTING CONDITIONS AND UTILITIES SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.
15) CONTRACTOR SHALL HAVE ALL PRIVATE UTILITIES LOCATED PRIOR TO ANY CONSTRUCTION.
16) EXISTING UTILITIES WHICH ARE NOT TO BE REMOVED OR ABANDONED SHALL REMAIN OPERATIONAL AT ALL TIMES. APPROPRIATE EXISTING UTILITIES SHALL REMAIN IN SERVICE UNTIL REPLACEMENT/RELOCATED UTILITIES ARE OPERATIONAL.
17) THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL UTILITIES TO AVOID CONSTRUCTION PROBLEMS/CONFLICTS WITH EROSION AND SEDIMENT CONTROL MEASURES. SEE APPROVED SEDIMENT CONTROL PLAN.
18) CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WATER, SEWER, AND DRAIN HOUSE CONNECTIONS WITH THE MECHANICAL DRAWINGS.
19) THE CONTRACTOR SHALL MAINTAIN 2.0 FEET MINIMUM COVER OVER ALL UTILITIES DURING CONSTRUCTION.
20) UNLESS OTHERWISE NOTED, ALL UTILITY CONNECTIONS SHALL BE CAPPED OR PLUGGED FIVE FEET FROM BUILDINGS.
21) ONLY UTILITY OWNER PERSONNEL SHALL OPERATE PUBLIC WATER VALVES. THE CONTRACTOR SHALL NOTIFY THE OWNER OR AREA ENGINEER TO ARRANGE A SHUTDOWN.
22) UNLESS OTHERWISE NOTED, ALL PROPOSED WATER LINES SHALL HAVE FIVE FEET MINIMUM COVER, 0.5 FEET MINIMUM VERTICAL CLEARANCE FROM ALL STORM DRAIN LINES, AND 1.5 FEET MINIMUM VERTICAL CLEARANCE ABOVE SANITARY SEWER LINES. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED, THE SEWER SHALL BE DUCTILE IRON PIPE, WITH THE SEWER JOINTS EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAINS.
23) RESTRAINED JOINTS SHALL BE IN ACCORDANCE WITH DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND TOWN OF VESTAL REGULATIONS.
24) ELECTRIC, TELEPHONE, GAS, CABLE, AND LIGHTING, HAVE BEEN DESIGNED BY OTHERS. WHERE THOSE FACILITIES ARE SHOWN, THEY ARE FOR COORDINATION PURPOSES ONLY.
25) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK NOT SPECIFICALLY MENTIONED ON THE PLANS WHICH NORMALLY WOULD BE REQUIRED TO COMPLETE THE PROJECT. ALL AREAS WITHIN OR OUTSIDE OF THE CONTRACT LIMITS DISTURBED BY CONTRACTOR'S OPERATIONS SHALL BE RESTORED, AT THE EXPENSE OF THE CONTRACTOR, TO THE SATISFACTION OF OWNER.
26) UNLESS OTHERWISE NOTED, ALL WATER CONSTRUCTION SHALL BE IN ACCORDANCE WITH AWWA C600, THE LATEST PLUMBING CODE AND TOWN OF VESTAL STANDARD SPECIFICATIONS AND DETAILS. IN CASE OF CONFLICT OR DISCREPANCY, THE PLUMBING CODE SHALL APPLY.
27) CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKE OUT.
28) CONTRACTOR SHALL REMOVE, STORE, AND REPLACE ALL SIGNS, POSTS, ETC. AT THEIR EXPENSE.
29) ALL UTILITY FRAME, GRATES, AND COVERS WITHIN THE PROJECT LIMIT OF DISTURBANCE SHALL BE ADJUSTED TO FINISHED GRADE.
30) CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR.
31) ALL UNDERGROUND FACILITIES SHALL BE VERIFIED WITH FACILITY PERSONNEL PRIOR TO EXCAVATING.
32) EXCESS EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE IN A LAWFUL MANNER.
33) CONTRACTOR SHALL COORDINATE ALL UTILITY SHUTDOWNS WITH THE OWNER AND FACILITY OPERATOR THREE (3) DAYS PRIOR TO SHUTDOWN AND ONLY THE FACILITY OWNER SHALL SHUT OFF ANY WATER LINE.
34) ALL PUBLIC ROADS SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
35) ALL DRAINAGE SYSTEMS SHALL BE MAINTAINED AT ALL TIMES.
36) CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING FEATURES WITHIN THE LIMIT OF DISTURBANCE THAT WILL CONFLICT WITH THE INSTALLATION OF THE PROPOSED WORK.
37) ALL TEMPORARY FENCE USE FOR STAGING, SECURITY, PROTECTION OF PEDESTRIANS, AND MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE 8 FFET HIGH CHAIN LINK FENCE.

SUMMARY OF WORK

THE WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, BUILDING CONSTRUCTION, IMPROVEMENTS AND ASSOCIATED SITE IMPROVEMENTS AT THE AFRICAN ROAD SCHOOL CAMPUS; AND RELATED WORK REASONABLY INFERRED AS NEEDED TO MAKE A COMPLETE PROJECT.

CONTRACTOR'S SUBMITTALS TO ENGINEER SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, THE ITEMS SPECIFIED IN SECTION 01340 – SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

LEGEND

- HORIZONTAL CONTROL POINT
- VERTICAL CONTROL POINT
- BASELINE POINT
- BENCHMARK
- PERMANENT SURVEY MARKER
- HORIZONTAL SURVEY CONTROL
- MONUMENT FOUND (AS NOTED)
- STAKE FOUND (AS NOTED)
- PIPE OR PIN FOUND (AS NOTED)
- IRON PIN SET (5/8 " REBAR W/ HAWK CAP)
- NAIL FOUND (AS NOTED)
- DRILL HOLE
- FENCE LOCATION POINT
- WALL LOCATION POINT
- GUIDE RAIL ANCHOR BLOCK
- BARRICADES
- MAILBOX
- PAPER BOX
- TRAFFIC SIGNAL HEADS
- PHONE BOOTH
- WATER WELL
- POST (TYPE AS NOTED)
- ANTENNA
- FILLER CAP
- GAS PUMP
- DECIDUOUS SHRUB
- DECIDUOUS TREE
- CONIFEROUS SHRUB
- CONIFEROUS TREE
- STUMP
- BOULDER
- CATCH BASIN
- STORM DRAINAGE MANHOLE
- ELECTRIC MANHOLE
- GAS MANHOLE
- WATER MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- MISC. MANHOLE (AS NOTED)
- SIGN SINGLE POST
- SIGN DOUBLE POST
- SIGN TRIPLE POST
- TRAFFIC PULLBOX
- TELEPHONE PULLBOX
- CABLE TV PULLBOX
- ELECTRIC PULLBOX
- SIGNAL POLE W/ TRAFFIC UTILITY
- MISC. POLES (AS NOTED)
- LIGHT POLE
- UTILITY POLE
- UTILITY POLE W/LIGHT
- GUY WIRE
- ELECTRIC METER
- UTILITY TOWER
- GAS VALVE
- GAS METER
- MISC. PIPE LINE MARKER (AS NOTED)
- VENT PIPES (AS NOTED)
- WATER VALVE
- FIRE HYDRANT
- WATER METER
- MISC. UTILITY VALVE (AS NOTED)
- SPOT ELEVATION (TYP)
- SOIL BORING OR TEST PIT (AS NOTED)
- MONITORING WELL
- SWAMP
- FLOW ARROW

LEGEND

- CABLE GUIDE RAIL
- W-BEAM GUIDE RAIL
- BOX BEAM GUIDE RAIL
- BOX BEAM MEDIAN
- RAILROAD
- ABANDONED RAILROAD
- FENCE (AS NOTED)
- STONE WALL
- DECIDUOUS TREE ROW
- CONIFEROUS TREE ROW
- BRUSH LINE
- TREE LINE
- STREAM /RIVER /DITCH
- SILT FENCE
- PROPERTY LINE
- MUNICIPAL LINE
- EASEMENT LINE
- OU — OVERHEAD UTILITY
- UE — UNDERGROUND ELECTRIC
- OT — OVERHEAD TELEPHONE
- UT — UNDERGROUND TELEPHONE
- OCTV — OVERHEAD CABLE TV
- UCTV — UNDERGROUND CABLE TV
- OFO — OVERHEAD FIBER OPTIC
- UFO — UNDERGROUND FIBER OPTIC
- CENTERLINE
- 8" SAN — PROPOSED SANITARY SEWER
- 8" ST — PROPOSED STORM SEWER
- 8" G — PROPOSED GAS LINE
- 8" O — PROPOSED OIL LINE
- 8" W — PROPOSED WATER LINE
- 100 — PROPOSED INDEX CONTOUR
- 98 — PROPOSED INTERMEDIATE CONTOUR

NOTE: ALL PROPOSED WORK SHOWN FULL IMAGE IN THIS FONT TYPE.
ALL EXISTING FEATURES SHOWN SCREENED IMAGE IN THIS FONT TYPE.

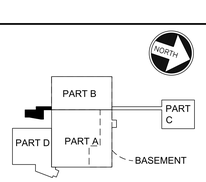
- ?,???.?? — MEASURED DIMENSION
- ??°??'??"? — TRUE NORTH BEARING
- (???.??') — REFERENCE DIMENSION
- L. ???? P. ??? — LIBER AND PAGE OF RECORDED DEED (???????? COUNTY)
- N/F — NOW OR FORMERLY
- TMN ???-??-?? — TAX MAP NUMBER (???????? COUNTY)
- L — ARC LENGTH
- R — RADIUS
- CH — CHORD LENGTH
- ● — MONUMENTATION FOUND (AS NOTED)
- ○ — MONUMENTATION SET, ⅝" REBAR W/CAP "H HULBERT 050627"
- ▲ — BASELINE POINT
- ▫ — BENCH MARK
- ■ — R.O.W. MONUMENT FOUND (AS NOTED)
- ❋ — CONIFEROUS TREE
- ⊙ — DECIDUOUS TREE
- ○ — POST (AS NOTED)
- ○RD — ROOF DRAIN
- ◒ — BOLLARD
- ♿ — "RESERVED PARKING" (ADA) SIGN (AS NOTED)
- MB — MAILBOX
- PROPERTY LINE
- CURB CUT
- BUILDING OFFSET
- OU — OVERHEAD UTILITIES
- UU — UNDERGROUND UTILITIES
- SAN — SANITARY SEWER LINE
- G — GAS LINE
- W — WATER LINE
- ST — STORM DRAINAGE LINE
- T — UNDERGROUND TELEPHONE
- FENCE LINE (AS NOTED)
- 919 / 920 / 921 — 1' CONTOUR INTERVAL

- UTILITY POLE W/LIGHT
- UTILITY POLE
- LIGHT POLE
- GUY WIRE
- ELECTRIC METER
- ELECTRIC BOX
- MISCELLANEOUS MANHOLE
- GAS METER
- GAS VALVE
- GAS LINE MARKER
- WATER SHUT-OFF
- FIRE HYDRANT
- WATER VALVE
- DRAINAGE STRUCTURE
- STORM DRAINAGE MANHOLE
- CO — CLEANOUT
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- WELL (AS NOTED)
- PIPE CULVERT
- CIP — CORRUGATED IRON PIPE
- RCP — REINFORCED CONCRETE PIPE
- CSP — CORRUGATED STEEL PIPE
- CPP — CORRUGATED PLASTIC PIPE
- PVC — POLYVINYL CHLORIDE PIPE
- AIR CONDITIONING UNIT
- SANITARY MANHOLE
- STORM DRAINAGE MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- TRAFFIC SIGNAL BOX
- TRAFFIC SIGNAL POLE

COMMON ABBREVIATIONS

BIT	BITUMINOUS PAVEMENT
BL	BASELINE
BM	BENCHMARK
BOT	BOTTOM
BC	BOTTOM OF CURB
BW	BOTTOM OF WALL
CB	CATCH BASIN
CONC	CONCRETE
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
CSP	CORRUGATED STEEL PIPE
DIP	DUCTILE IRON PIPE
DMH	STORM DRAINAGE MANHOLE
ELEV	ELEVATION
EXIST	EXISTING
FFE	FINISHED FLOOR ELEVATION
INV	INVERT
MH	MANHOLE
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
SMH	SEWER MANHOLE
TC	TOP OF CURB
TMN	TAX MAP NUMBER
TW	TOP OF WALL
TYP	TYPICAL

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HULBERT Engineering
and Land Surveying, DPC
• CIVIL ENGINEERING
• LAND SURVEYING
• ENVIRONMENTAL ENGINEERING
• CONSTRUCTION ADMINISTRATION
53 Lewis Road
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PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED #03-16-01-06-0-013-018

DRAWING TITLE:
NOTES, LEGEND
BASELINE TIES

DRAWN BY:	PROJECT NO.:
TMD	2025-151P
CHECKED BY:	
GHH	C001
DATE: 02-09-2026	

DWG FILE:
PLOT DATE:

EXISTING SCHOOL BUILDING

SIDEWALK TO BE REMOVED
SEE DEMOLITION PLAN

NEW BUILDING ADDITION

STAGING AREA

TRUE NORTH AT 76°55' WEST LONGITUDE
MERIDIAN OF

20 0 20 40
SCALE

REVISIONS

NORTH

PART B
PART C
PART D
PART A1
BASEMENT

KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HULBERT Engineering and Land Surveying, DPC
• CIVIL ENGINEERING
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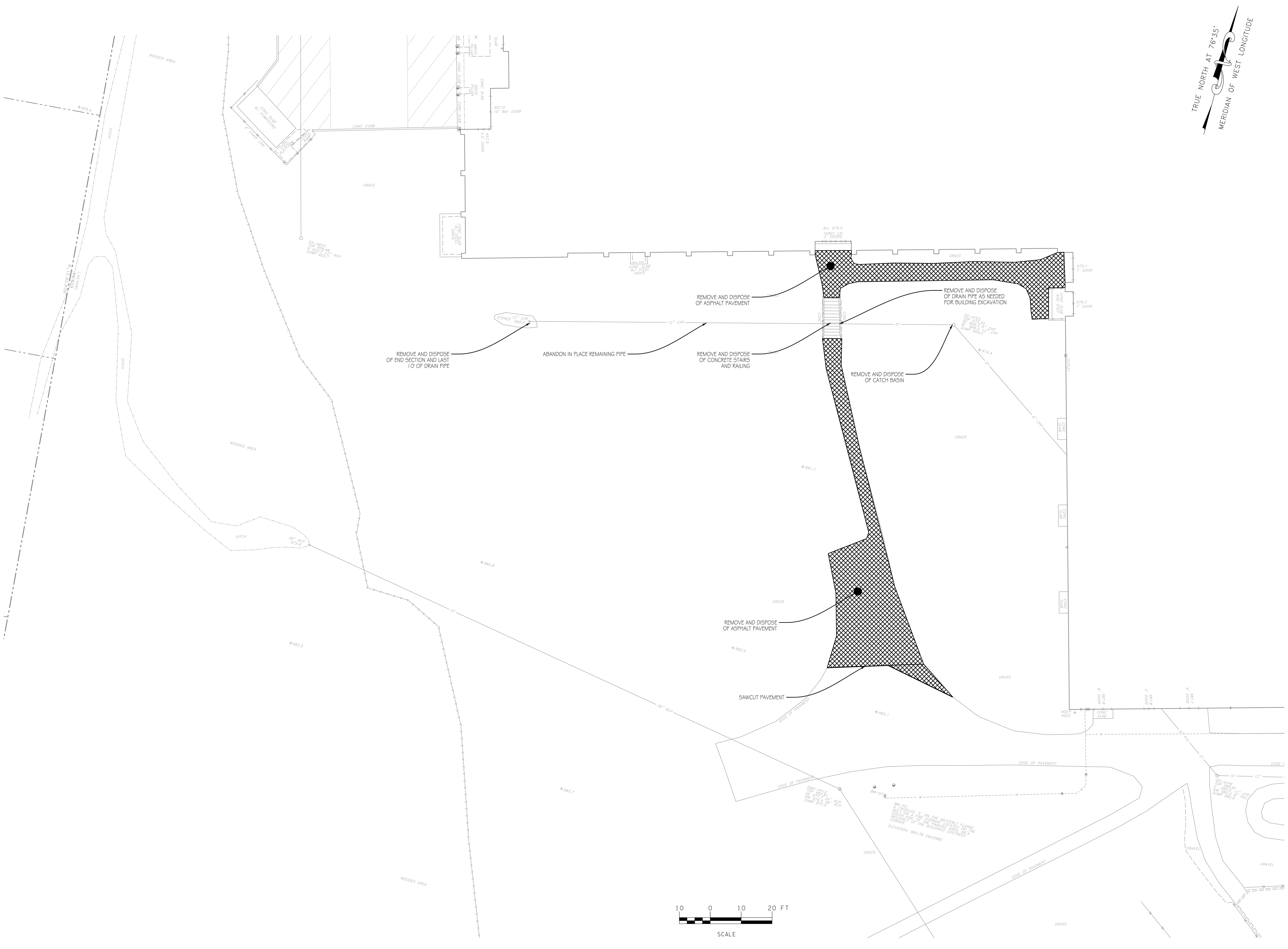
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850

2022 Capital Project Phase 3
AR SED #03-16-01-06-0-013-018

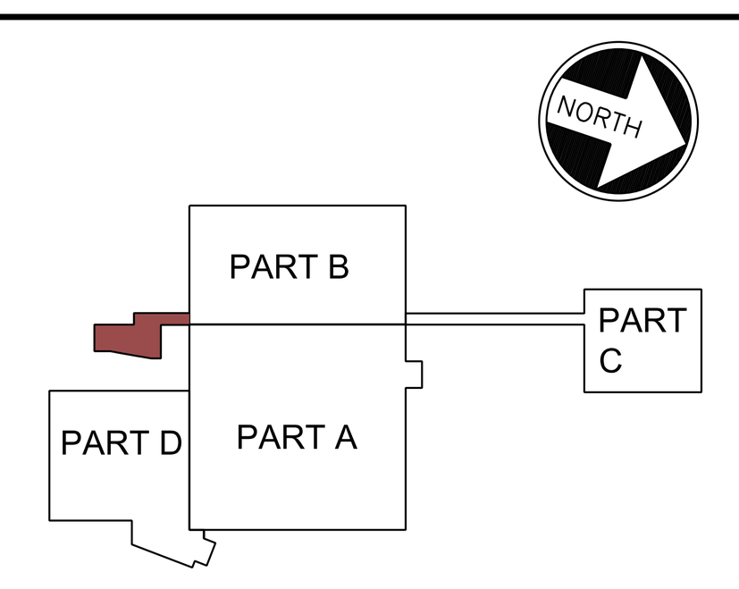
DRAWING TITLE:
EXISTING SITE COMPOSITE PLAN

DRAWN BY:	PROJECT NO.:
TMD	2025-151P
CHECKED BY:	
GHH	C002
DATE:	
02-09-2026	

GRAPHIC PLOT DATE:



REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HULBERT Engineering and Land Surveying, DPC
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- LAND SURVEYING
- ENVIRONMENTAL ENGINEERING
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PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED #03-16-01-06-0-013-018

DRAWING TITLE:
DEMOLITION PLAN

DRAWN BY:	PROJECT NO.:
TMD	2025-151P
CHECKED BY:	
GHH	
DATE:	
02-09-2026	C003

NOTES:

1. CONTRACTOR TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO STARTING CONSTRUCTION
2. SEE ARCHITECTURAL DRAWINGS FOR SIDEWALK AND CONCRETE SLAB JOINT LOCATIONS.
3. SIDEWALKS TO BE DOWELED INTO BUILDINGS. USE #5 BARS @ 12".

REVISIONS

KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HULBERT Engineering
and Land Surveying, DPC
- CIVIL ENGINEERING
- LAND SURVEYING
- ENVIRONMENTAL ENGINEERING
- CONSTRUCTION COORDINATION

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PROJECT TITLE:

Vestal
Central School District
201 Main Street | Vestal, NY 13850

◆

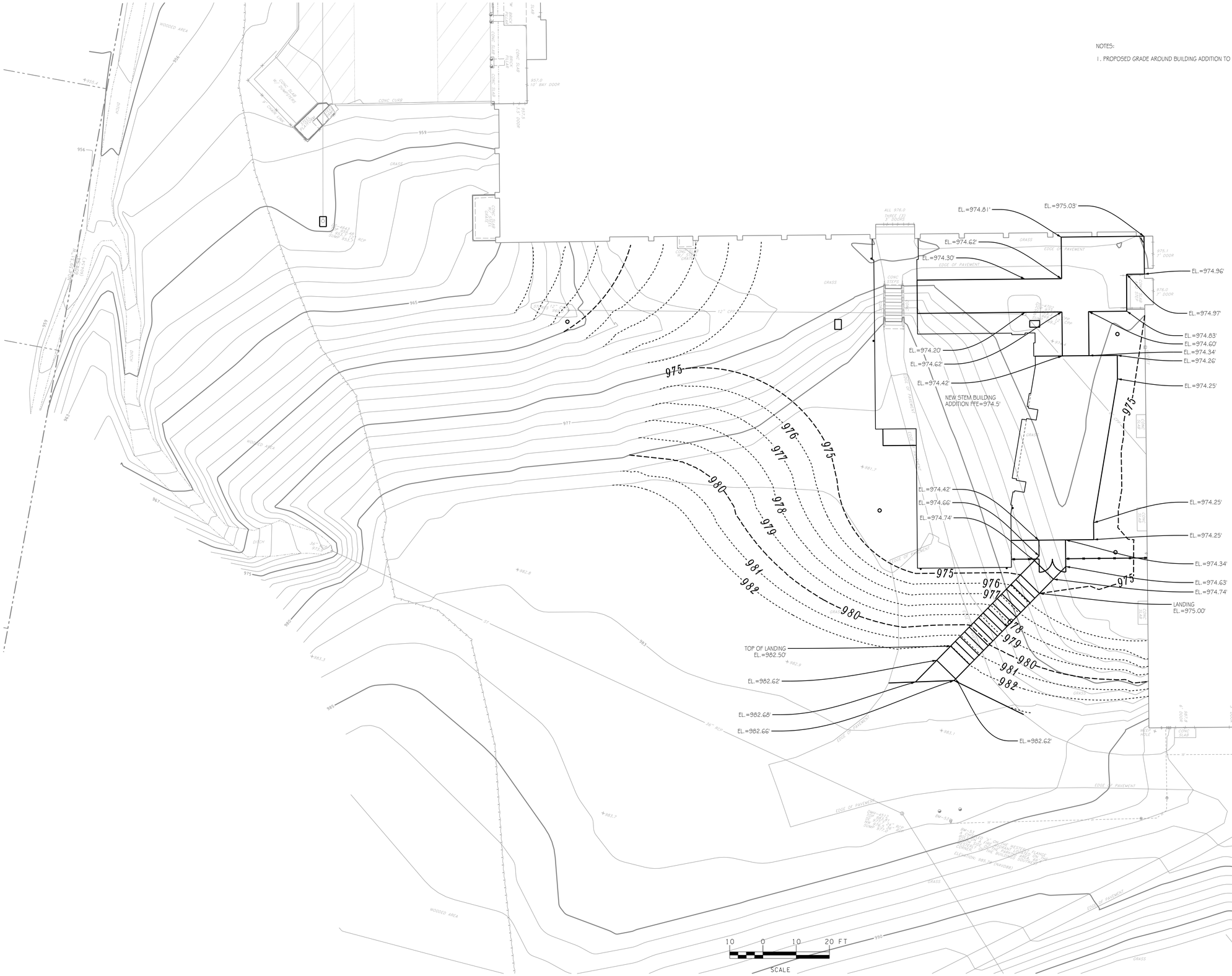
2022 Capital Project Phase 3
AR SED #03-16-01-06-0-013-018

DRAWING TITLE:

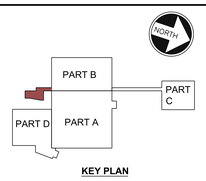
SITE PLAN

DRAWN BY:	PROJECT NO.:
TMD	2025-151P
CHECKED BY:	
GHH	C100
DATE: 02-09-2026	

CAD FILE:
PLOT DATE:



REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HULBERT Engineering and Land Surveying, DPC
• CIVIL ENGINEERING
• LAND SURVEYING
• ENVIRONMENTAL ENGINEERING
• CONSTRUCTION COORDINATION
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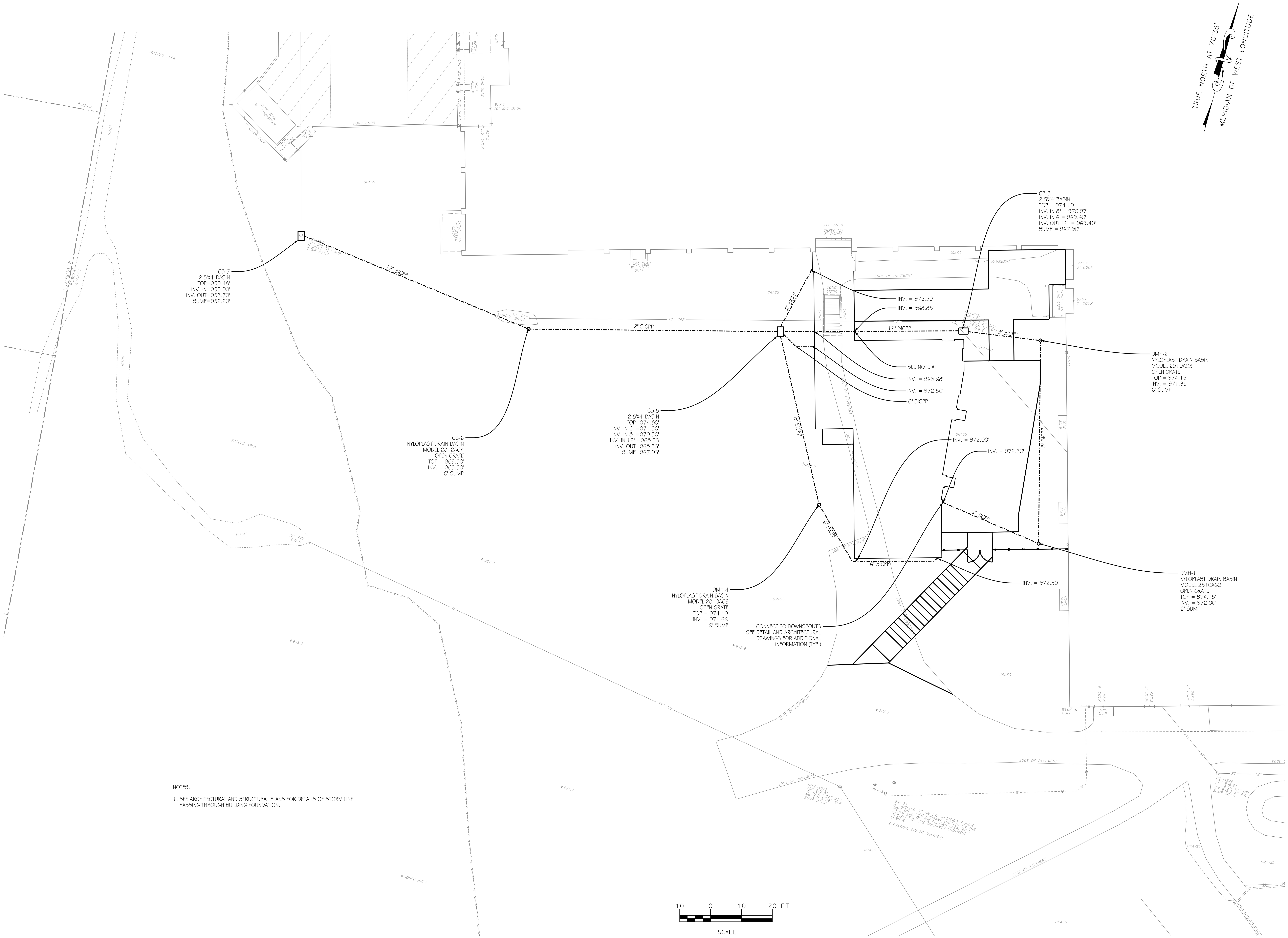
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED #03-16-01-06-0-013-018

DRAWING TITLE:
GRADING PLAN

DRAWN BY:	PROJECT NO.:
TMD	2025-151P
CHECKED BY:	
GHH	
DATE:	C101
02-09-2026	

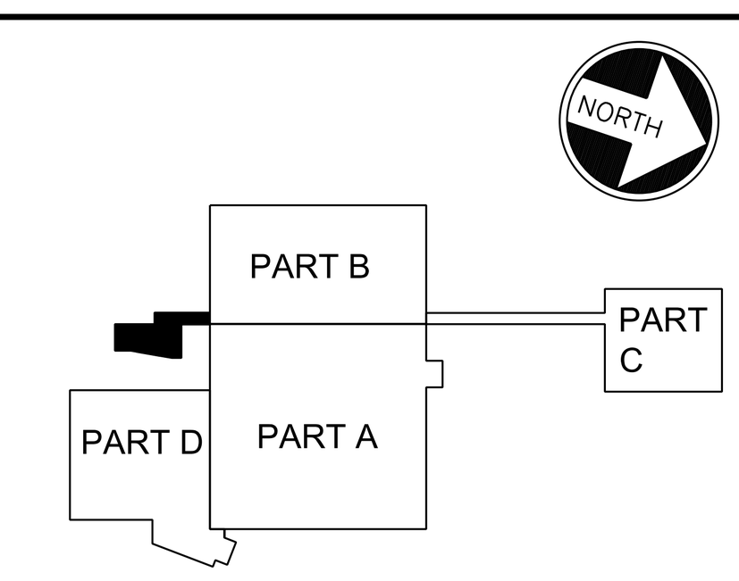
DRAFT PLOT DATE:



NOTES:

1. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR DETAILS OF STORM LINE PASSING THROUGH BUILDING FOUNDATION.

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HULBERT Engineering and Land Surveying, DPC
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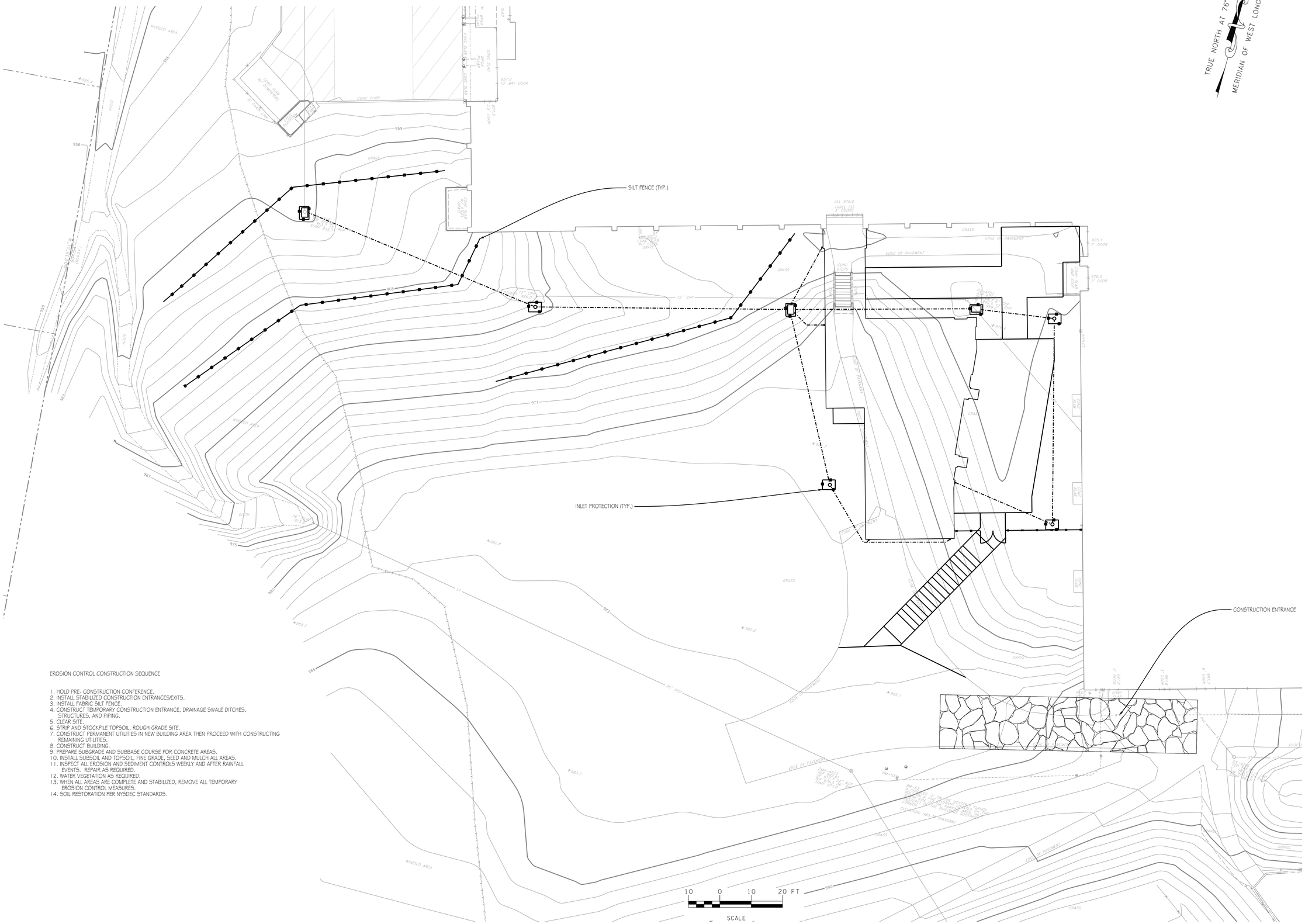
DRAWING TITLE:
UTILITY PLAN

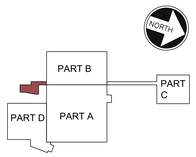
DRAWN BY:	PROJECT NO.:
TMD	2025-151P
CHECKED BY:	
GHH	
DATE:	
02-09-2026	C102



EROSION CONTROL CONSTRUCTION SEQUENCE

1. HOLD PRE- CONSTRUCTION CONFERENCE.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCES/EXITS.
3. INSTALL FABRIC SILT FENCE.
4. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE, DRAINAGE SWALE DITCHES, STRUCTURES, AND PIPING.
5. CLEAR SITE.
6. STRIP AND STOCKPILE TOPSOIL, ROUGH GRADE SITE.
7. CONSTRUCT PERMANENT UTILITIES IN NEW BUILDING AREA THEN PROCEED WITH CONSTRUCTING REMAINING UTILITIES.
8. CONSTRUCT BUILDING.
9. PREPARE SUBGRADE AND SUBBASE COURSE FOR CONCRETE AREAS.
10. INSTALL SUBSOIL AND TOPSOIL, FINE GRADE, SEED AND MULCH ALL AREAS.
11. INSPECT ALL EROSION AND SEDIMENT CONTROLS WEEKLY AND AFTER RAINFALL EVENTS. REPAIR AS REQUIRED.
12. WATER VEGETATION AS REQUIRED.
13. WHEN ALL AREAS ARE COMPLETE AND STABILIZED, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.
14. SOIL RESTORATION PER NYSDEC STANDARDS.

REVISIONS



KEY PLAN

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AR SED #03-16-01-06-0-013-018

DRAWING TITLE:
EROSION AND SEDIMENT CONTROL PLAN

DRAWN BY:	PROJECT NO.:
TMD	2025-151P
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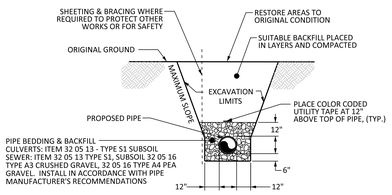
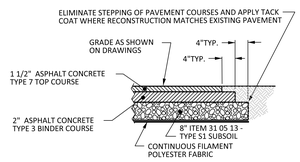
GHH	C103
DATE:	
02-09-2026	

PLOT DATE:



PIPE BEDDING AND TRENCH DETAIL

NOT TO SCALE

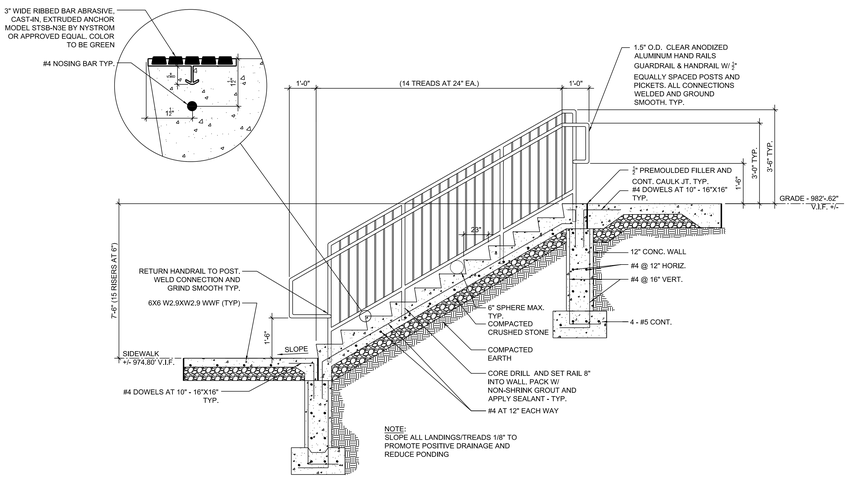


1. EXCAVATE AND STOCKPILE ALL EXISTING BITUMINOUS MATERIALS.
2. EXCAVATE AND DISPOSE OF ALL EXISTING SUBBASE MATERIALS.
3. FINE GRADE AND ROLL SUBGRADE
4. PLACE CONTINUOUS FILAMENT POLYESTER FABRIC, AMERICAN ENGINEERING FABRICS, INC. STYLE 480 OR EQUIVALENT.
5. PLACE 4" PULVERIZED AND MIXED MATERIAL OR IMPORTED SELECT GRANULAR FILL.
6. PLACE 4" ITEM 31-05-13 - TYPE S1 SUBSOIL.
7. FINE GRADE AND ROLL SUBBASE.
8. PLACE ASPHALT CONCRETE BINDER AND TOP COURSES.

NOTE:
CONTRACTOR MAY USE ALL 3" MINUS PULVERIZED AND MIXED MATERIALS AVAILABLE ON-SITE, AS DIRECTED BY ENGINEER.

LIGHT DUTY PAVEMENT RECONSTRUCTION DETAIL

NOT TO SCALE



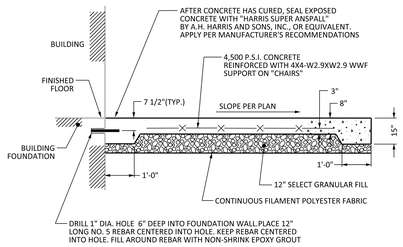
CONCRETE STAIR DETAIL

NOT TO SCALE

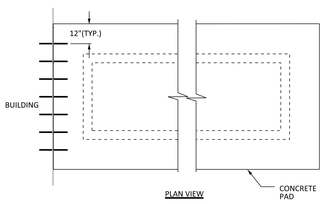
	TOP LANDING	BOT. LANDING	LENGTH	RISERS	HEIGHT
STAIR	982.50	975.00	28'	15	7'-6"

CONCRETE STAIR INFORMATION TABLE

NOT TO SCALE

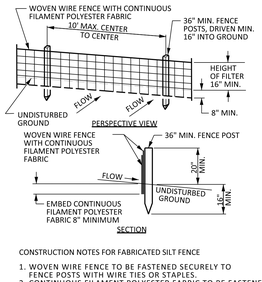


SIDE VIEW



DOWELED CONCRETE PAD DETAIL

NOT TO SCALE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. CONTINUOUS FILAMENT POLYESTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF CONTINUOUS FILAMENT POLYESTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVER LAPPED SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

MATERIAL SPECIFICATIONS:
POSTS: STEEL (EITHER T OR U TYPE) OR 2" HARDWOOD
FENCE: WOVEN WIRE, 14-1/2 GA. 6" MAX. MESH OPENING
CONTINUOUS FILAMENT POLYESTER FABRIC: "AMERICAN ENGINEERING FABRICS STYLE 480" OR EQUIV.
MATERIAL OPTION:
PREFABRICATED UNIT: INDIAN VALLEY INDUSTRIES, OR APPROVED EQUIV.

SILT FENCE IS TO BE USED AT ALL LOCATIONS WHERE THERE IS A POSSIBILITY FOR SILT LADEN RUNOFF TO LEAVE SITE AND AT LOCATIONS AS DIRECTED BY ENGINEER
A SILT FENCE MAY BE USED SUBJECT TO THE FOLLOWING CONDITIONS:

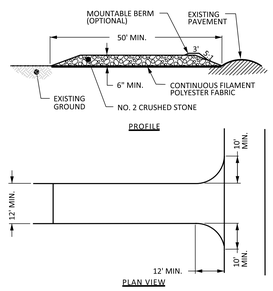
1. MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUNOFF TO A SILT FENCE ARE:

SLOPE STEEPNESS	MAX. SLOPE LENGTH (FT)
2:1	50
3:1	75
4:1	125
5:1	175
FLATTER THAN 5:1	200

2. MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/2 ACRE PER 100 FEET OF FENCE.
3. EROSION WOULD OCCUR IN THE FORM OF SHEET EROSION
4. THERE IS NO CONCENTRATION OF WATER FLOWING TO THE BARRIER.

SILT FENCE DETAIL

NOT TO SCALE

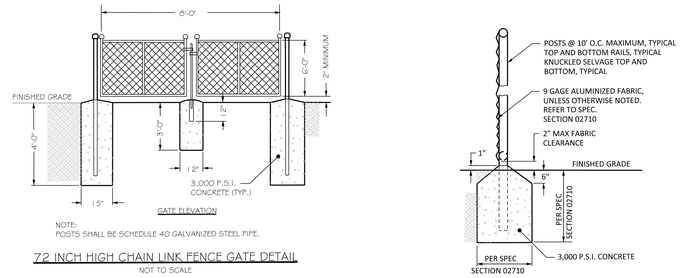


CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE NO. 2 CRUSHED STONE
2. LENGTH - NOT LESS THAN 50 FEET
3. THICKNESS - NOT LESS THAN SIX INCHES.
4. WIDTH - TWELVE FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR. TWENTY-FOUR FOOT IF SINGLE ENTRANCE TO SITE.
5. CONTINUOUS FILAMENT POLYESTER FABRIC SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NECESSARY MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

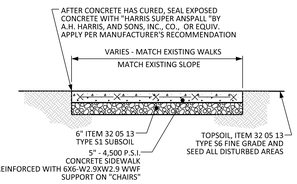


72 INCH HIGH CHAIN LINK FENCE GATE DETAIL

NOT TO SCALE

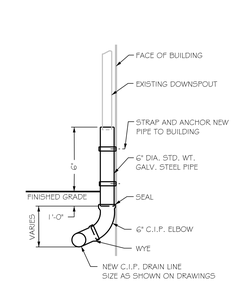
FENCE POST DETAIL

NOT TO SCALE



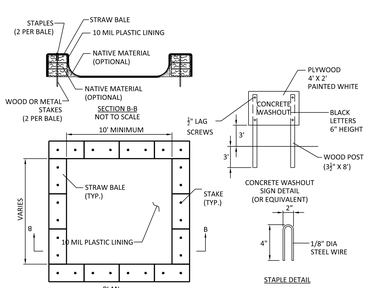
CONCRETE SIDEWALK DETAIL

NOT TO SCALE



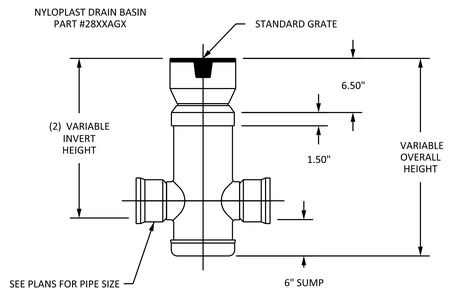
DOWNSPOUT CONNECTION DETAIL

NOT TO SCALE



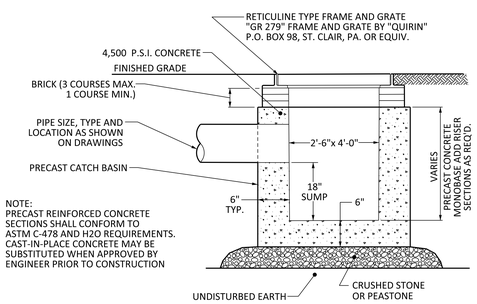
CONCRETE WASHOUT DETAIL

NOT TO SCALE



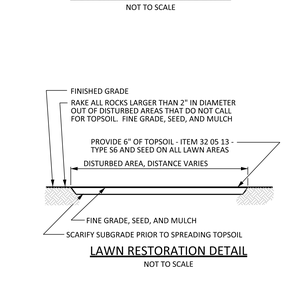
CUSTOM DRAIN BASIN

NOT TO SCALE



PRECAST 2.5' X 4' CATCH BASIN DETAIL

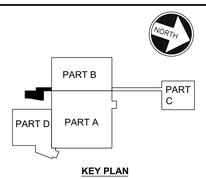
NOT TO SCALE



LAWN RESTORATION DETAIL

NOT TO SCALE

REVISIONS



KEY PLAN

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REQUIRED SPECIAL INSPECTIONS

OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO OBSERVE THE CONSTRUCTION OF THE FOLLOWING ITEMS FOR CONFORMANCE TO CONTRACT DOCUMENTS AND CODE REQUIREMENTS:

FOR ADDITIONAL INFORMATION REFER TO:
2020 BUILDING CODE OF NEW YORK STATE CHAPTER 17
2016 AMERICAN SOCIETY OF CIVIL ENGINEERS 7
2014 AMERICAN CONCRETE INSTITUTE SECTION 26.13
2016 AMERICAN INSTITUTE OF STEEL CONSTRUCTION 360 CHAPTER N
2016 THE MASONRY SOCIETY 602 SPECIFICATION SECTION 1.6 TABLES 3 AND 4 FOR LEVEL 2

ALL COORDINATION AND SCHEDULING OF TESTING IS THE RESPONSIBILITY OF THE CONTRACTOR.

SPECIAL INSPECTION AGENCY MUST OBTAIN APPROVAL IN WRITING FROM ENGINEER TO ALTER PROCEDURES OR INSPECTIONS OR WAIVE REQUIREMENTS.

CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL REQUIRED MUNICIPAL INSPECTIONS AND ALL SPECIAL INSPECTIONS WITH AUTHORITY HAVING JURISDICTION (AHJ).

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHARGES DUE TO ANY SPECIAL INSPECTIONS WHICH ARE CANCELED.

INSPECTION AGENCY SHALL REPORT TO THE OWNER, CONSTRUCTION MANAGER, CONTRACTOR AND ENGINEER WITHIN 24 HOURS AFTER COMPLETION OF TESTING THAT TESTING HAS TAKEN PLACE AND NO NEGATIVE RESULTS WERE FOUND. IF NEGATIVE RESULTS ARE FOUND, THEY SHALL BE REPORTED IMMEDIATELY TO ALL PARTIES FOR CORRECTIVE ACTION.

ALL TESTING REPORTS SHALL INCLUDE A HIGHLIGHTED PLAN INDICATING LOCATION OF MATERIAL TESTED

ITEMS FOR OBSERVATION AND TESTING (ALL TEST SPECIMENS SHALL BE PREPARED BY TESTING AGENCY, NOT CONTRACTOR):

G1. PERIODIC TESTING OF COLUMN AND WALL FOOTING SUBGRADE, TO ENSURE THAT IT MEETS OR EXCEEDS LISTED BEARING CAPACITY:
ALL COLUMN FOOTINGS
FROST WALL FOOTINGS AT 25 FEET ON CENTER

G2. PERIODIC TESTING OF SOILS TO DETERMINE SOIL CLASSIFICATION AND MOISTURE DENSITY RELATIONSHIPS TO CERTIFY THAT BACKFILL USED WITHIN OR ADJACENT TO THE STRUCTURE MEETS SPECIFICATION (FOR EACH TYPE OF SOIL INTENDED FOR USE AS FILL). PROVIDE PLAN SHOWING TESTING LOCATIONS.

G3. PERIODIC PROCTOR DENSITY TESTING OF ALL STRUCTURAL AND NON-STRUCTURAL BACKFILL:
SLAB AREAS: ONE TEST FOR EVERY LIFT, FOR EVERY 2500 S.F.
FOUNDATION WALLS: ONE TEST FOR EVERY LIFT AT 50 FEET ON-CENTER ALONG WALL

G4. PERIODIC OBSERVATION OF BACKFILL PROCEDURE TO ENSURE OPERATION CONFORMS TO SPECIFICATION; VERIFICATION OF LIFT THICKNESS; EQUIPMENT USED; NUMBER OF PASSES.

C1. PERIODIC OBSERVATION OF SLAB, PIER, COLUMN, WALL, & FOOTING FORMWORK PRIOR TO PLACEMENT OF CONCRETE (FREE OF DEBRIS, LEVEL, DRY, USE OF BAR SUPPORTS / CHAIRS).

C2. PERIODIC OBSERVATION OF THE POSITION OF REINFORCING, PRIOR TO PLACING CONCRETE (PLUMB AND LEVEL; PROPERLY TIED; AT CORRECT SPACING; CORRECT SIZE; CORRECTLY SUPPORTED; CORRECT CLEARANCE).

C3. PERIODIC OBSERVATION OF LENGTH AND LOCATIONS OF REINFORCING LAPS.

C4. CONTINUOUS OBSERVATION OF CONCRETE PLACEMENT PROCEDURE (CHUTE, TREMIE, PUMPING AND VIBRATION TECHNIQUES).

C5. PERIODIC VERIFICATION THAT APPROVED CONCRETE MIX DESIGN IS IN USE.

C6. PERIODIC VERIFICATION THAT SPECIFIED CURING TEMPERATURES AND TECHNIQUES ARE IN USE AND BEING MAINTAINED.

C7. PERIODIC OBSERVATION THAT COLD AND/OR HOT WEATHER PROCEDURES ARE IN USE AND BEING MAINTAINED.

C8. PERIODIC CONCRETE TESTING FOR COMPRESSIVE STRENGTH, AIR CONTENT, TEMPERATURE, WEIGHT, AND SLUMP; DATE AND TIME OF SAMPLES; SIX CYLINDERS PER 25 CUBIC YARDS FOR ALL STRUCTURAL AND NON-STRUCTURAL CONCRETE, TWO TESTED AT 7 DAYS, TWO TESTED AT 28 DAYS, AND TWO RESERVED FOR 56 DAYS. TESTING AGENCY SHALL PREPARE CYLINDERS AND SAMPLE AT THE POINT OF PLACEMENT AFTER THE FIRST YARD HAS DISCHARGED.

C9. VERIFY WELDING CREDENTIALS, GRADE OF REINFORCING, AND CONTINUOUSLY OBSERVE PREPARATION AND WELDING OF CONCRETE REINFORCING

C10. PERIODIC OBSERVATION OF COLUMN ANCHOR RODS THE CORRECT SIZE , SPACING, ELEVATION, AND EMBEDMENT PRIOR TO CONCRETING.

C11. PERIODIC INSPECTION OF POST-INSTALLED ANCHORS IN SHEAR. CONTINUOUS INSPECTION OF ANCHORS IN TENSION.

S1. PERIODIC VERIFICATION THAT BOLTS, NUTS AND WASHERS BEAR IDENTIFICATION MARKINGS CONFORMING TO ASTM MARKINGS FOR THOSE SPECIFIED IN CONSTRUCTION DOCUMENTS.

S2. PERIODIC VERIFICATION OF CORRECT WELD FILLER MATERIAL, FLUXES, GASES, BACKER RODS, END STOPS, ETC. ARE IN USE

S3. PERIODIC INSPECTION OF BOLTED STRUCTURAL STEEL BEARING CONNECTIONS.

S4. PERIODIC MEASUREMENT OF COLUMNS FOR PLUMBNESS AND STRAIGHTNESS.

S5. CONTINUOUS INSPECTION OF ALL COMPLETE AND PARTIAL PENETRATION WELDS, MULTI-PASS FILLET WELDS (5/16" AND LARGER), PROPER PREHEATING PROCEDURES, ELECTRODES KEPT IN OVEN AND REMOVAL OF ANY GLAVANIZING (FOR WELDS PERFORMED IN THE FIELD AND IN THE FABRICATOR'S SHOP).

S6. PERIODIC INSPECTION OF FIELD SINGLE-PASS FILLET WELDS 5/16" AND SMALLER, VERIFICATION OF WELD FILLER MATERIAL, PROPER PREHEATING PROCEDURES, ELECTRODES KEPT IN OVEN AND REMOVAL OF ANY GALVANIZING FOR WELDS PERFORMED IN THE FABRICATOR'S SHOP AND IN THE FIELD.

S7. PERIODIC INSPECTION OF FRAMES AROUND ROOF AND FLOOR OPENINGS AS INDICATED ON DRAWINGS.

S8. PERIODIC OBSERVATION OF ROOF DECK TO ENSURE THAT NO INSTALLATIONS (ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, COMMUNICATION, ETC) ARE BEING SUSPENDED FROM ROOF DECK. NOTHING SHALL BE SUSPENDED FROM THE ROOF DECK OR THE FLOOR SLAB WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. MISCELLANEOUS STEEL FOR THESE APPLICATIONS SHALL BE PROVIDED BY THE RESPECTIVE INSTALLERS.

S9. PERIODIC INSPECTION OF THE WELDING OF VERTICAL CMU WALL REINFORCEMENT TO STEEL BEAMS, LINTELS OR GIRDERS.

S10. CONTINUOUS INSPECTION OF ALL FIELD-MODIFIED CONNECTIONS. SUBMIT SKETCH SIGNED AND SEALED BY FABRICATOR'S ENGINEER FOR EACH CONNECTION.

S11. PERIODIC OBSERVATION OF STEEL JOISTS TO ENSURE CHORDS ARE NOT BEING CUT, BENT, TORCHED, DRILLED ETC. RESPONSIBLE PARTIES SHALL ENGAGE ANOTHER STRUCTURAL ENGINEER AND INCUR ALL COSTS OF DESIGN AND REPAIR.

S12. PERIODIC OBSERVATION OF JOIST ANCHORAGE WELDING

S13. PERIODIC INSPECTION OF ROOF AND FLOOR DECK ANCHORAGE.

S14. INSPECTION 25% OF MOMENT CONNECTION WELDS ACCORDING TO AWS D1.1 USING ULTRASONIC TECHNIQUES PER ASTM E164. IF FAILURE RATE EXCEED 25%, THEN TEST EVERY JOINT.

M1. PERIODIC INSPECTION OF PROPORTIONS OF SITE-MIXED MORTAR.

M2. PERIODIC OBSERVATION OF CONSTRUCTION OF MORTAR JOINTS AND PLACEMENT OF FULL-BED MORTAR JOINTS FOR CMU.

M3. PERIODIC OBSERVATION OF LOCATION OF REINFORCEMENT, CLEARANCES, PLUMBNESS, SPACING, LENGTHS OF LAPS; VERIFICATION OF REINFORCING SIZE(S), GRADE AND SPACING; USE OF REBAR POSITIONERS.

M4. PERIODIC OBSERVATION OF MASONRY TIE ATTACHMENT TO COLUMNS AND BEAMS (TYPE AND SPACING).

M5. PERIODIC OBSERVATION OF JOINT REINFORCEMENT AND WEEP HOLES.

M6. PERIODIC OBSERVATION OF TYPE, SIZE, GRADE AND SPACING OF ANCHOR RODS, EXPANSION ANCHORS AND CHEMICAL ANCHORS.

M7. PERIODIC OBSERVATION OF TOP OF MASONRY WALL BRACING TO STRUCTURE.

M8. PERIODIC OBSERVATION THAT COLD AND/OR HOT WEATHER PROCEDURES ARE IN USE AND BEING MAINTAINED.

M9. PERIODIC INSPECTION OF SITE-MIXED GROUT.

M10. PERIODIC INSPECTION OF CMU CAVITIES, PRIOR TO GROUTING.

M11. PERIODIC OBSERVATION OF LOCATIONS OF BOND BEAMS.

M12. PERIODIC INSPECTION OF GROUTING PROCEDURE BENEATH LINTELS AND BEAMS BEARING ON MASONRY.

M13. MASONRY PRISM TESTING (ONE PER EVERY 5,000 SQUARE FEET OF WALL, BUT NOT LESS THAN ONE PER DAY). USE OF MORTAR AND GROUT CUBE TESTING IN LIEU OF PRISM TESTING MUST BE APPROVED BY ENGINEER.

M14. CONTINUOUS OBSERVATION OF GROUTING PROCEDURE, TO ENSURE COMPLIANCE WITH TMS 602 AND CONTRACT DOCUMENTS (INCLUDING MAXIMUM LIFT HEIGHT).

M15. PERIODIC OBSERVATION THAT TOP OF MASONRY WALL IS COVERED WHEN NOT UNDER CONSTRUCTION.

GENERAL NOTES:

UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING NOTES SHALL APPLY:

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE ACI 318 (LATEST EDITION).
2. ALL POURED-IN-PLACE STONE CONCRETE SHALL DEVELOP A STRENGTH OF 4000 PSI AT 28 DAYS (U.O.N.).
3. ALL REINFORCEMENT SHALL BE DEFORMED BARS ASTM DESIGNATION A615, GRADE 60.
4. CONCRETE PROTECTION FOR REINFORCEMENT SHALL CONFORM TO LATEST A.C.I. SPECIFICATION.
5. ALL TEMPERATURE REINFORCING SHALL BE SUFFICIENTLY EMBEDDED TO DEVELOP FULL STRENGTH IN ALL CONCRETE WALLS AND SLABS.
6. PROVIDE ADEQUATE TIES FOR ALL REINFORCEMENT IN SLABS, BEAMS, PIERS AND WALLS. REINFORCEMENT TO BE HELD AT CORRECT DISTANCE FROM FORMS, EARTH AND METAL DECK BY STEEL CHAIRS OR TIES.
7. FOLLOW C.R.S.I. RULES FOR PLACING OF ALL REINFORCING STEEL AND ACCESSORIES.
8. NO CONCRETE SHALL BE POURED UNTIL THE PRELIMINARY TESTS REQUIRED HAVE BEEN MADE, REPORTS THEREOF FILED WITH THE ENGINEER, AND APPROVED. THE CONTROLLED CONCRETE TO BE USED SHALL CONFORM TO THE APPROVED DESIGN MIX OBTAINED AS A RESULT OF THE PRELIMINARY TESTS. THE USE OF ANY ADDITIVES NOT PRESENT IN THE PRELIMINARY TEST MIX IS PROHIBITED.
9. REPRESENTATIVE TEST CYLINDERS WILL BE TAKEN FROM THE CONCRETE PLACED EACH DAY IN ACCORDANCE WITH CONCRETE SPECIFICATIONS.
10. WELDED WIRE FABRIC SHALL HAVE A MINIMUM YIELD STRENGTH OF 70,000 PSI AND SHALL CONFORM TO ASTM A185 AND A1064.
11. ALL MESH SHALL BE SPLICED SO THAT THE OVERLAP BETWEEN OUTERMOST CROSS WIRES OF EACH SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRES.
12. THIS CONTRACTOR SHALL COOPERATE WITH OTHER TRADES AND WHERE REQUIRED INSTALL ALL BUILT-IN WORK, SLEEVES, INSERTS, ETC. AS REQUIRED FOR A COMPLETE JOB.
13. ALL STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTHS IN ONE OPERATION. CONSTRUCTION JOINTS SUCH AS A DAY'S POUR JOINTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SPAN. MAIN REINFORCING TO RUN THROUGH THE JOINT, KEY AND ROUGHEN JOINTS TO EXPOSE AGGREGATE FOR CHEMICAL BOND.
14. NO HORIZONTAL JOINTS SHALL BE PLACED IN WALLS EXCEPT AS SHOWN ON DRAWINGS, WITHOUT THE APPROVAL OF THE ENGINEER.
15. THE FOUNDATION WALLS MAY BE POURED IN ONE OPERATION PROVIDED THE CONTRACTOR HAS ENOUGH MATERIAL AND MANPOWER AT HAND TO PLACE AND FINISH THE CONCRETE AT THE TIME OF THE POUR. IF THE CONTRACTOR CANNOT PLACE AND FINISH THE CONCRETE IN ONE OPERATION, THEN A JOINT WILL BE REQUIRED.
16. STRUCTURAL SLABS ON GRADE SHALL BE OF A THICKNESS AND REINFORCED AS INDICATED ON THE DRAWINGS.
17. ALL SLABS ON GRADE SHALL HAVE THICKENINGS, DEPRESSIONS, OPENINGS, ETC. AS REQUIRED OR AS SHOWN HEREIN OR ON THE ARCHITECTURAL DRAWINGS.
18. LOCATION OF CUT-OFF POINTS FOR CONCRETE BEAM REINFORCEMENT SHALL BE AS SHOWN ON TYPICAL DETAILS.
19. PROVIDE 100% CONTINUITY OVER SUPPORTS FOR ALL CONTINUOUS SLABS AND BEAMS.
20. PROVIDE TWO #5 BARS ALL AROUND OPENINGS IN ANY CONCRETE WALL, BEAM, SLAB, GRADE BEAM OR MASONRY BEARING WALL.
21. PROVIDE POCKETS IN WALLS FOR COLUMNS, BEAMS AND SLABS.
22. MINIMUM BEARINGS ON WALLS OR BEAMS SHALL BE 4" FOR SLABS, 8" FOR BEAMS (U.O.N.).
23. TOP ELEVATION OF SLABS SHALL VARY ACCORDING TO FINISH FLOOR MATERIAL. SEE ARCHITECTURAL DRAWINGS.
24. IN ANY APPROVED CONSTRUCTION JOINT, PROVIDE 2"x4" KEY AND 50 BAR DIAMETER LAP (16" MIN) OR REINFORCING, EXCEPT FOR SLABS ON GRADE.
25. FOR SLAB ON GRADE, CONTRACTOR IS PERMITTED TO CAST AS MUCH CONCRETE AS CAN BE PLACED AND FINISHED IN ONE OPERATION SO THAT COLD JOINTS ARE NOT PRODUCED. MAXIMUM SPACING OF CONTRACTION JOINTS SHALL BE 15'-0" O.C.
26. ALL BACKFILL TO BE PLACED IN 6" LAYERS AND COMPACTED TO 95% OF MAXIMUM MODIFIED DENSITY.
27. PROVIDE PRECAST LINTELS FOR ALL OPENINGS OR RECESSES IN BLOCK WALLS WHERE NO SPECIFIC LINTEL IS NOTED.
28. ALL LINTELS SHALL HAVE 8" MINIMUM BEARING EACH END. WHERE STRUCTURAL MEMBERS INTERFERE WITH BEARINGS, PROVIDE CONNECTION TO MEMBER.
29. FILL TWO COURSES OF BLOCK WITH MORTAR UNDER ALL LINTEL BEARING AREAS.
30. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS IN ROOF, FLOORS AND WALLS NOT SHOWN ON STRUCTURAL DRAWINGS.
31. SEE MECHANICAL AND ARCHITECTURAL DETAILS ON ROOF DRAINS AND MISCELLANEOUS ROOF OPENINGS FOR CURBS AND MISCELLANEOUS ANGLE IRON.
32. MISCELLANEOUS IRON CONTRACTOR TO PROVIDE MISCELLANEOUS STEEL SHOWN ON ARCHITECTURAL DRAWINGS THAT IS NOT SHOWN ON STRUCTURAL DRAWINGS.
33. EXACT SIZES AND LOCATIONS OF ALL OPENINGS ARE TO BE VERIFIED WITH THE APPROVED SHOP DRAWINGS ISSUED FOR THE INSTALLATION. THE EXACT SIZES SHALL BE COORDINATED PRIOR TO ANY FABRICATION AND INSTALLATION BY ANY AND ALL TRADES. SIZES AND LOCATIONS SHOWN ARE DIAGRAMMATIC AND FOR INFORMATION ONLY.
34. ANY FABRICATION AND/OR INSTALLATION WHICH HAS NOT BEEN PROPERLY COORDINATED WITH THE APPROVED EQUIPMENT MANUFACTURER(S), AND WHICH MUST BE REPAIRED, RELOCATED, ALTERED, REPLACED, REINSTALLED OR MODIFIED IN ANY MANNER SHALL BE DONE TO THE SATISFACTION OF THE OWNER AND WITH NO ADDITIONAL COST TO THE OWNER OR THE DESIGN PROFESSIONAL.
35. FOOTINGS ARE DESIGNED FOR A SOIL BEARING PRESSURE OF 2.0 TONS PER SQUARE FOOT (4000 PSF).
36. ALL WALL FOOTINGS SHALL BE MINIMUM 12" THICK AND PROJECT 6" (MINIMUM) BEYOND ALL FACES OF WALLS.
37. MAXIMUM STEP OF FOOTINGS SHALL BE ONE VERTICALLY TO TWO HORIZONTALLY WHERE ELEVATIONS CHANGE.
38. LOCATIONS OF FOOTING STEPS SHOWN ON THE FOUNDATION PLAN ARE APPROXIMATE. GENERAL CONTRACTOR SHALL FIELD VERIFY EXACT GRADE LOCATIONS AROUND THE BUILDING AND LOCATE ANY FOOTING STEPS ACCORDINGLY, IN ORDER TO MAINTAIN A MINIMUM OF 4'-6" OF COVER AT ALL LOCATIONS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
39. ELEVATION OF TOP OF FOOTINGS INDICATED THUS: TF 0'-0".
40. FOUNDATION EXCAVATIONS TO BE INSPECTED BY GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT. ALL SOFTENED OR OTHERWISE UNSUITABLE BEARING MATERIALS SHALL BE REMOVED AND REPLACED WITH LOAD-BEARING FILL OR WITH LEAN CONCRETE (2000 PSI).
41. ALL EXCAVATIONS SHALL BE KEPT DRY BY PUMPING UNTIL ALL UNDERGROUND CONSTRUCTION IS COMPLETE.
42. LOOSENED BEARING SOILS SHALL BE RECOMPACTED WITH A SMALL VIBRATORY PLATE COMPACTOR PRIOR TO PLACEMENT OF REINFORCING BARS.
43. FOUNDATION EXCAVATIONS SHALL BE CUT TO FINAL GRADE AND FOUNDATIONS CONSTRUCTED AS SOON AS POSSIBLE TO MINIMIZE POTENTIAL DAMAGE TO BEARING SOILS.
44. NO BACKFILLING WILL BE PERMITTED AGAINST BASEMENT RETAINING WALLS UNTIL THE UPPER AND LOWER SLABS ARE IN PLACE AT LEAST SEVEN DAYS.
45. ALL BACKFILL SHALL BE BROUGHT UP EQUALLY ON BOTH SIDES OF FOUNDATION WALLS UNTIL THE FINAL ELEVATION IS ACHIEVED. VARIATIONS SHALL NOT EXCEED 2'-0" BETWEEN BACKFILL ELEVATIONS ON EITHER SIDE WITHOUT ENGINEER'S APPROVAL.
46. PROVIDE TWO #5 BARS 24" LONG AT EACH CORNER OF ALL OPENINGS IN FLOOR SLAB (SUPPORTED AND ON GRADE), INCLUDING IF SLAB IS POURED AROUND WALLS.
47. PROVIDE #4 DOWELS AT 16" O.C. (16"x16") FROM FOUNDATIONS INTO EXTERIOR SLABS OR SIDEWALKS AT ALL EXTERIOR DOORWAYS.
48. FOR ANY PRE-ENGINEERED STRUCTURAL MEMBERS (STEEL FRAMING, WOOD JOISTS, WOOD TRUSSES, ETC.) NO LIVE LOAD REDUCTIONS ARE PERMITTED FOR ROOF LOADS.
49. THIS PROJECT HAS BEEN DESIGNED FOR THE WEIGHTS OF THE MATERIALS INDICATED ON THE DRAWINGS AND FOR THE SUPERIMPOSED LOADS INDICATED IN THE DESIGN DATA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSEWORK, FORMWORK, STAGING, BRACING, SHEETING AND SHORING, UNDERPINNING, ETC.

SHOP DRAWING REQUIREMENTS

1. STRUCTURAL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW OF ALL STRUCTURAL ITEMS IN A TIMELY MANNER.
2. INCOMPLETE SHOP DRAWINGS AND SHOP DRAWINGS NOT CHECKED BY THE DETAILER AND THE CONTRACTOR SHALL BE REJECTED. MISSING MEMBERS AND DIMENSIONS, AND LACK OF COORDINATION SHALL BE CONSIDERED EVIDENCE OF INCOMPLETENESS.
3. CONTRACTOR SHALL REVIEW DRAWINGS FOR COMPLETENESS AND CONFORMANCE TO THE DESIGN DOCUMENTS PRIOR TO SUBMISSION TO THE ENGINEER.
4. THE STRUCTURAL ENGINEER SHALL HAVE A MINIMUM OF TEN WORKING DAYS TO PROCESS SHOP DRAWINGS.
5. RESUBMITTED SHOP DRAWINGS SHALL HAVE ALL REVISIONS CLOUDED
6. SHOP DRAWINGS COMBINING WITH STRUCTURAL STEEL AND MISC METALS SHALL BE REJECTED.
7. AT PROJECT CLOSE-OUT, PROVIDE RECORD COPY OF COMPLETE SET OF SHOP DRAWINGS WITH ALL CORRECTIONS MADE - IF REQUESTED.
8. DRAWINGS SHALL NOT BE RESUBMITTED UNLESS MARKED FOR RESUBMISSION.
9. CONTRACTOR SHALL ENSURE CORRECTIONS MARKED IN SHOP DRAWINGS ARE BEING IMPLEMENTED.
10. ALL ITEMS MARKED VERIFY, VERIFY IN FIELD, VIF, ETC SHALL BE VERIFIED BY THE GENERAL CONTRACTOR OR THE CONSTRUCTION MANAGER
11. SHOP DRAWINGS SHALL BE REVIEWED BY THE ENGINEER FOR CONFORMANCE WITH DESIGN INTENT AND RETURNED MARKED ON THE SHOP DRAWING STAMP WITH ONE OF THE FOLLOWING:

    NO EXCEPTIONS TAKEN - PRODUCTION / FABRICATION MAY PROCEED WITHOUT RESUBMITTAL OF DOCUMENTS.

    MAKE CORRECTIONS NOTED - PRODUCTION / FABRICATION MAY PROCEED AFTER THE COMMENTS AND CORRECTIONS HAVE BEEN MADE WITHOUT RESUBMITTAL OF DOCUMENTS.

    RESUBMIT - ITEMS SPECIFICALLY MARKED AS RESUBMIT SHALL NOT BE PRODUCED / MANUFACTURED BUT SHALL BE CORRECTED AND RESUBMITTED TO THE ENGINEER FOR REVIEW WITH CORRECTIONS CLOUDED.

    REVIEWED - ITEMS WHICH HAVE BEEN DESIGNED, SIGNED, AND SEALED BY ANOTHER ENGINEER SHALL BE MARKED REVIEWED AND WILL BE REVIEWED FOR CONFORMANCE WITH DESIGN INTENT ONLY.

GENERAL NOTES (STRUCTURAL STEEL)

UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY:

1. STEEL FRAMING CONNECTIONS SHALL BE MADE USING 3/4"Ø MIN ASTM F3125 HIGH-STRENGTH BOLTS.
2. WIDE FLANGE SHAPES SHALL BE ASTM A992 UNLESS NOTED.
3. HOLLOW STRUCTURAL TUBE SECTIONS SHALL BE ASTM A500, GRADE C, FURNISHED WITH 1/4" (MIN) CLOSURE PLATES. CHANNELS, ANGLES AND PLATES SHALL BE ASTM A36.
4. ANCHOR RODS SHALL BE ASTM F1554, GRADE 60, WELDABLE.
5. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS USING TYPE E70XX ELECTRODES AND SHALL CONFORM TO THE CODE FOR WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY (AWS)
6. METAL ROOF DECK SHALL BE ATTACHED TO FRAMING BY WELDING PER MANUFACTURER AND STEEL DECK INSTITUTE STANDARDS.
7. BEAM AND GIRDER CONNECTIONS SHALL BE DESIGNED TO SUPPORT A MINIMUM REACTION DETERMINED BY THE FORMULA Wc/2L AS DEFINED BY THE AISC MANUAL OF STEEL CONSTRUCTION (CHAPTER 2) OR THE REACTION SHOWN ON THE DRAWINGS, WHICHEVER IS GREATER. REACTIONS FOR COMPOSITE BEAMS TO BE DETERMINED BY THE FORMULA Wc/2L x 1.33 OR THE REACTION SHOWN ON THE DRAWINGS, WHICHEVER IS GREATER.
8. STRUCTURAL STEEL FABRICATOR AND INSTALLER SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL FRAMED OPENINGS IN FRAMED FLOORS AND ROOF WITH APPROVED EQUIPMENT MANUFACTURER(S). OPENINGS SHALL INCLUDE, BUT ARE NOT LIMITED TO: MECHANICAL UNITS, EXHAUST FANS, CURB MOUNTED EQUIPMENT, ROOF DRAINS, SKYLIGHTS, STAIRS, SMOKE HATCHES, DUCT PENETRATIONS, EXPANSION JOINTS, ETC.
9. STEEL FABRICATOR TO SUPPLY 16 GAUGE CLOSURE ANGLES ALL AROUND FLOOR OPENINGS AND PERIMETER OF BUILDING UNLESS OTHERWISE INDICATED ON DRAWINGS.
10. AT ROOF DECK PENETRATIONS, STEEL FABRICATOR TO PROVIDE 16 GAUGE GALVANIZED PLATE, 16"x16", FASTENED WITH (8)-#10 SCREWS, FOR ALL OPENINGS THROUGH METAL ROOF DECK UP TO 13"x13" OR 13" DIAMETER.
11. STRUCTURAL STEEL SHALL BE PRIME PAINTED (SEE SPECIFICATIONS) EXCEPT WERE GALVANIZED AND FIREPRROFING.
12. NO LIGHT GAUGE FRAMING, MECHANICAL OR ELECTRICAL EQUIPMENT, OR OTHER EQUIPMENT OF ANY TYPE SHALL BE SUSPENDED FROM ROOF DECK OR JOIST BRIDGING.
13. THE GENERAL CONTRACTOR SHALL VERIFY THE EQUIPMENT WEIGHTS, LOCATIONS AND ROOF OPENING SIZES WITH THE MECHANICAL CONTRACTOR, THE OWNER'S EQUIPMENT SUPPLIER, AND ANY OF HIS SUBCONTRACTORS' APPROVED SHOP DRAWINGS, AND WITH THE ACTUAL EQUIPMENT PURCHASED. EQUIPMENT CANNOT BE ROTATED WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED, IN WRITING, OF ANY DEVIATIONS FROM THE CONTRACT DRAWINGS, INCLUDING ANY CHANGES TO THE INDICATED WEIGHTS OF THE EQUIPMENT.
14. OPENINGS SHALL NOT BE CUT IN ROOF DECK UNTIL IMMEDIATELY PRIOR TO SETTING EQUIPMENT AS PER OSHA 1926.754(e).
15. THIS STRUCTURE HAS BEEN DESIGNED TO ACT AS A STRUCTURAL UNIT UPON COMPLETION. CONTRACTOR IS RESPONSIBLE TO DESIGN AND PROVIDE ALL NECESSARY BRACING, TEMPORARY SUPPORTS AND SHORING AS NEEDED TO RESIST FORCES - INCLUDING UPLIFT - DURING THE CONSTRUCTION OF THIS PROJECT.
16. ANY AND ALL COSTS FOR MODIFICATION TO SUPPORT STRUCTURE REQUIRED BY CHANGES TO THE MECHANICAL UNIT AFTER APPROVAL OF SHOP DRAWINGS SHALL BE BORNE BY THE MECHANICAL CONTRACTOR
17. ALL CONNECTIONS SHOWN ARE DIAGRAMMATIC AND SHALL BE DESIGNED BY THE FABRICATOR'S CONNECTION DESIGN ENGINEER REGISTERED IN THE STATE OF THE PROJECT. ANALYSIS AND DESIGN CALCULATIONS SHALL BE SIGNED AND SEALED BY CONNECTION ENGINEER AND SUBMITTED FOR REVIEW.

GENERAL NOTES (MASONRY)

1. MASONRY WALLS HAVE BEEN DESIGNED AND SHALL BE CONSTRUCTED TO HAVE A STRENGTH OF f'm = 1500 PSI.
2. NORMAL WEIGHT CONCRETE MASONRY UNITS SHALL WEIGH 130 PCF
   LIGHT WEIGHT CONCRETE MASONRY UNITS SHALL WEIGH 105 PCF
   ALL CONCRETE MASONRY UNITS PLACED ON SLABS-ON-DECK SHALL BE LIGHT WEIGHT UNITS
3. CONCRETE MASONRY UNITS SHALL HAVE AN AVERAGE NET COMPRESSIVE STRENGTH OF 1900 PSI
4. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90
   MINIMUM FACE SHELL THICKNESS FOR 12" CMU SHALL BE 1.25".
5. PROVIDE SPECIAL SHAPES (CORNER, END, CONTROL JOINT, RADIUSED EDGE, DOUBLE OPEN END, ETC.) AS REQUIRED AND DETAILED ON DRAWINGS.
6. MORTAR SHALL CONFORM TO ASTM C270. ALL CMU MASONRY SHALL BE LAID IN A FULL BED OF MORTAR INCLUDING ALL WEBS

ALL FOUNDATION AND RETAINING WALLS	TYPE M	2500 PSI
ALL ABOVE GRADE WALLS	TYPE S	1800 PSI
ABOVE GRADE VENEER	TYPE N	750 PSI

7. GROUT SHALL CONFORM TO ASTM C476. GROUT SHALL HAVE A COMPRESSIVE STRENGTH OF 2000 PSI AND CONTAIN PEA GRAVEL AGGREGATE. GROUTING OF MASONRY w/ VERTICAL REINFORCEMENT SHALL BE PERFORMED IN 48" LIFT HEIGHTS (MAXIMUM) UNLESS CONTRACTOR CAN DEMONSTRATE EXPERIENCE WITH HIGH-LIFT GROUTING. HIGH LIFT GROUTING WOULD INVOLVE CREATING OUTLET HOLES AT THE BOTTOM OF EVERY VERTICAL GROUT COLUMN AND PUMPING GROUT CONTAINING "GLENIUM" FROM TOP OF WALL UNTIL GROUT FLOWS OUT OF BOTTOM OUTLET HOLE. HIGH LIFT MUST BE CONTINUOUSLY INSPECTED.
8. REFER TO ARCHITECTURAL ELEVATIONS FOR SURFACE TEXTURE AND COLOR OF UNITS AND MORTAR.
9. VERTICAL REINFORCING SHALL BE ASTM A615 GRADE 60 NEW REINFORCING MANUFACTURED UN USA. VERTICAL REINFORCING TO BE WELDED SHALL BE ASTM A706.
10. USE 9 GAUGE GALVANIZED REBAR POSITIONERS BY WIRE BOND OR EQUAL IN EVERY FIFTH COURSE.
11. GROUT ALL CELLS WITH VERTICAL REINFORCEMENT SOLID.
12. HORIZONTAL REINFORCMENT SHALLBE 9 GAUGE GALVANIZED LADDER-TYPE CONFORMING TO ASTM A951, AT 16" O.C. ABOVE GRADE AND 8" O.C. BELOW GRADE (TRUSS-TYPE INTERFERES WITH GROUTING) WITH PREFABRICATED TEES AND CORNERS.
13. BOND BEAMS SHALL BE CONTINUOUS AND SHALL HAVE CORNER BARS AT INTERSECTIONS. REFER TO STRUCTURAL AND ARCHITECTURAL SECTIONS FOR LOCATIONS.
14. REFER TO ARCHITECTURAL DRAWINGS FOR LINTEL SCHEDULE
15. ALL MASONRY SHALL BE TEMPORARILY BRACED UNTIL CONNECTED TO STRUCTURE

FIELD MEASUREMENT AND DOCUMENTATION

1. THE GENERAL CONTRACTOR SHALL BE REQUIRED TO PROVIDE FIELD MEASUREMENTS TO THE ARCHITECT, ENGINEER, TRADE CONTRACTORS AND MATERIAL SUPPLIERS. MEASUREMENTS MAY BE DOCUMENTED ON THE PAPER DRAWINGS, PDF DRAWING, OR HAND DRAWINGS SKETCHED TO A SCALE AND SCANNED.
2. THE GENERAL CONTRACTOR SHALL PROVIDE DOCUMENTATION OF NEW AND EXISTING AS-BUILT CONDITIONS FOR THE ARCHITECT, ENGINEER, TRADE CONTRACTORS, AND MATERIAL SUPPLIERS. SKETCHES MAY BE PROVIDED IN REVIT, AUTOCAD, OR HAND SKETCHED TO A SCALE ON GRAPH PAPER AND SCANNED.
3. THE GENERAL CONTRACTOR SHALL TAKE MEASUREMENTS AND PREPARE SKETCHES SO AS NOT TO DELAY THE PROJECT ALLOWING TIME FOR THE ARCHITECT / ENGINEER / MATERIAL SUPPLIERS TO RESPOND.
4. THE CONTRACTOR SHALL CONTARCT WITH OTHER ENTITIES AS REQUIRED TO PROVIDE SKETCHES AND SURVEYS AT NO ADDIONAL COST TO THE CONTRACT OR ANY OTHER PARTIES.
5. IF MODIFICATIONS ARE REQUIRED TO THE FRAMING BECAUSE FIELD DIMENSIONS WERE NOT TAKEN PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL COSTS INCLUDING EXPEDITED SHIPPING, PROFESSIONAL ENGINEERING REDESIGN AND DRAFTING TIME AND ANY COSTS ASSOCIATED WITH DELEGATED DESIGN ENGINEERING.

STRUCTURAL ABBREVIATIONS

℄	CENTERLINE
Ø	DIAMETER
ADD'N	ADDITIONAL
ADJ	ADJACENT
AHJ	AUTHORITY HAVING JURISDICTION
BOTT	BOTTOM
B/S	BOTH SIDES
CL	CENTERLINE
CLR	CLEAR
C/C	CENTER TO CENTER
COL	COLUMN
CONT	CONTINUOUS
CONX	CONNECTION
D	DEEP
EF	EACH FACE
EOJ	EDGE OF JOIST
EOS	EDGE OF SLAB
EW	EACH WAY
EX	EXISTING
EXP	EXPANSION
FLG	FLANGE
FTG	FOOTING
FS	FAR SIDE
GA	GAUGE
H	HIGH
HEF	HORIZONTAL EACH FACE
HIF	HORIZONTAL INSIDE FACE
HOF	HORIZONTAL OUTSIDE FACE
IF	INSIDE FACE
JT	JOINT
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
MC	MOMENT CONNECTION
MO	MASONRY OPENING
NS	NEAR SIDE
oc	ON CENTER
OF	OUTSIDE FACE
PAF	POWDER ACTUATED FASTENER
Pc	PIECE
PROV'D	PROVIDE
PTD	PAINTED
REQ'D	REQUIRED
SCH'D	SCHEDULE
SUP'T	SUPPORTED
TF	TOP OF FOOTING
TOS	TOP OF STEEL
TP	TOP OF PIER
UON	UNLESS OTHERWISE NOTED
VIF	VERTICAL INSIDE FACE
VOF	VERTICAL OUTSIDE FACE
VWM	VERIFY WITH MANUFACTURER
W	WIDE
WP	WORK POINT
WWF	WELDED WIRE FABRIC

STRUCTURAL SYMBOLS

⟷	SPAN DIRECTION
ⓧ	NEW COLUMN CENTERLINE
⬡	EXISTING COLUMN CENTERLINE
⬡ⓧ	NEW & EXISTING COLUMN CENTERLINE
▶—	MOMENT CONNECTION
⊣⊢	BEAM SHEAR SPLICE

DESIGN INFORMATION

THIS PROJECT HAS BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:

2020 BUILDING CODE OF NEW YORK STATE
2018 INTERNATIONAL BUILDING CODE
2016 ASCE 7 - MIN DESIGN LOADS FOR BUILDINGS AND STRUCTURES
2014 ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
2013 TMS 402, 602 BUILDING CODE AND SPECS. FOR MASONRY STRUCTURES

FACTORY MUTUAL STANDARDS NOT APPLICABLE

RISK CATEGORY	III
IMPORTANCE FACTORS:	
SNOW	Is = 1.10
WIND	Iw = 1.00
SEISMIC	Ie = 1.25

NEW ELEMENTARY SCHOOL ROOF:	
NEW ROOFING, INSUL, RECOV BOARD	8 PSF
NEW MECH, ELEC, PLUMB	8 PSF
NEW ROOF DECK	2 PSF
NEW CEILINGS AND SOFFITS	5 PSF
	23 PSF
NEW ELEMENTARY ROOF FUTURE FLOOR:	
NEW ROOFING, INSUL, RECOV BOARD	8 PSF
NEW MECH, ELEC, PLUMB	10 PSF
NEW CEILING	5 PSF
5" CONC SLAB ON COMPOSITE DECK	60 PSF
FLOOR FINISH	2 PSF
	85 PSF
NEW CANOPY	
NEW ROOFING AND INSULATION	5 PSF
NEW ROOF DECK	2 PSF
NEW SOFFIT AND ELEC	3 PSF
	10 PSF

NO PROVISION FOR SOLAR PANELS

LIVE LOADS

ROOF: ORDINARY	20 PSF
FUTURE FLOOR	80 PSF SECOND FLOOR CORRIDOR

SNOW LOADS

GROUND ELEVATION	973 FT
GROUND SNOW LOAD	pg = 40 PSF
SNOW EXPOSURE FACTOR	Ce = 1.0
THERMAL FACTOR	Ct = 1.0 INSULATED
ROOF FACTOR	0.7
FLAT ROOF SNOW LOAD	pf = 28 PSF

ADDITIONAL SNOW DRIFTS AT CHANGES IN ROOF HEIGHTS

WIND DESIGN DATA

BASIC WIND SPEED (V_{3S})	118 MPH
EXPOSURE CATEGORY	B

SEISMIC DESIGN DATA

SPECTRAL RESPONSE COEFFICIENTS:	
0.2 SEC SPECTRAL RESPONSE ACCELERATION	Ss = 0.114g
1.0 SEC SPECTRAL RESPONSE ACCELERATION	S1 = 0.045g
	Sds = 0.121g
	Sd1 = 0.072g
SITE CLASS	D - PER GEOTECH REPORT
SEISMIC DESIGN CATEGORY	B
SEISMIC RESPONSE COEFFICIENT	Cs = 0.050 (5%)
SEISMIC FORCE RESISTING SYSTEM	STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
RESPONSE MODIFICATION FACTOR	R = 3
OVERSTRENGTH FACTOR	Ω_o = 3
DESIGN BASE SHEAR	6.8 k
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE

GEOTECHNICAL

FROST DEPTH	4.5 FEET
BEARING CAPACITY	4000 PSF - PER GEOTECH REPORT

REFER TO GEOTECHNICAL REPORT FOR UNDERCUTTING AND ADDITIONAL REQUIREMENTS

THE FOLLOWING ITEMS ARE DELEGATED DESIGNS AND SHALL BE DESIGNED AND DETAILED BY THE CONTRACTOR'S ENGINEER(S) TO COMPLY WITH CODE AND THE LOADS LISTED IN THE DESIGN INFORMATION TABLE. THE CONTRACTOR'S ENGINEER(S) SHALL PREPARE A SUBMITTALS WHICH SHALL INCLUDE DRAWINGS, PRODUCT DATA, AND CALCULATIONS, SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION REGISTERED IN THE STATE OF THE PROJECT. REFER TO THE SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION

- STRUCTURAL STEEL CONNECTIONS
- STAIRS
- INTERIOR AND EXTERIOR LIGHT-GAUGE STUD FRAMING

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www.digsafelynewyork.com

REVISIONS

KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

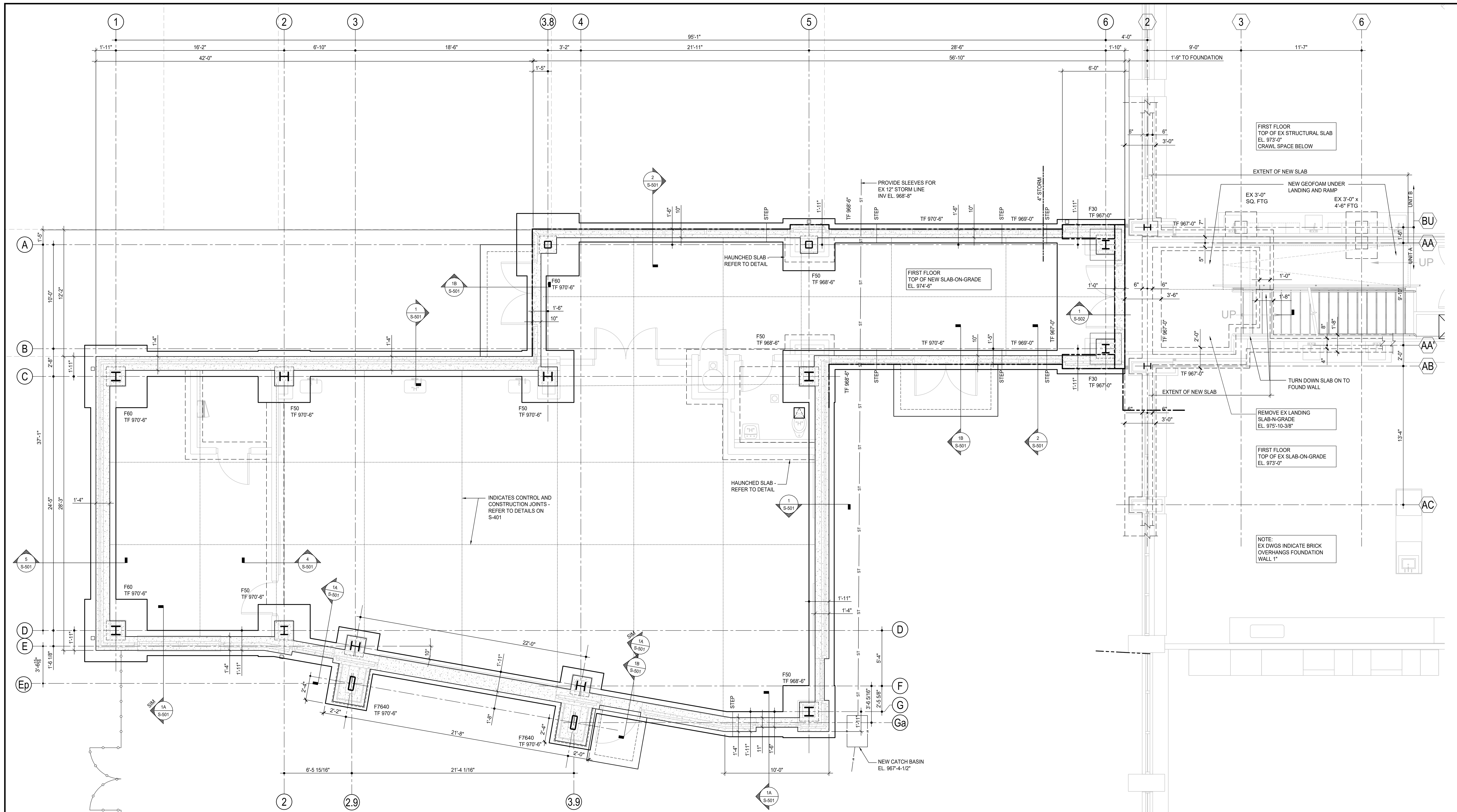
HIGHLAND
ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:
Vestal
Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
LOADS AND GENERAL NOTES

DRAWN BY: DJL	PROJECT NO.: 2025-151P
CHECKED BY: EDM	DRAWING NO.: S-001
DATE: 02-09-2026	

CAD FILE: 5151-S001.DWG
PLOT DATE: 2/3/2026



FOUNDATION PLAN

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

1. NEW TOP OF SLAB ELEVATION 974'-6" (DATUM) UNLESS NOTED.
2. NEW TOP OF FOOTING ELEVATIONS NOTED TF XXX'-X"
3. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION
4. ALL BEARING SOILS, EXCAVATIONS, REINFORCEMENT, FORMWORK, BACKFILL, ETC SHALL BE INSPECTED AND TESTED
5. SITE SHALL BE PROOF-ROLLED REFER TO GEOTECHNICAL REPORT
6. LOCATIONS OF ALL UNDERGROUND UTILITIES SHALL BE VERIFIED PRIOR TO EXCAVATION.
7. NEW AND EXISTING UTILITIES SHALL NOT TRAVEL UNDER NEW FOOTINGS. STEP NEW FOOTINGS SO TOP OF FOOTING IS A MINIMUM OF 6" BELOW UTILITY INVERT
8. NEW AND EXISTING FOOTINGS TRAVELLING THRU FOUNDATION WALLS SHALL BE PROVIDED WITH SLEEVES COORDINATE THE LOCATIONS AND ELEVATIONS WITH THE GENERAL AND SITE CONTRACTORS.
9. EXISTING UTILITIES TO BE DECOMMISSIONED WITHIN THE FOOTPRINT OF THE BUILDING SHALL BE REMOVED ENTIRELY INCLUDING BEDDING MATERIAL AND REPLACED WITH STRUCTURAL BACKFILL
10. ALL EXCAVATIONS SHALL BE KEPT DRY, PUMP CONTINUOUSLY UNTIL CONCRETE WORK IS COMPLETE.
11. EXISTING UTILITIES TO REMAIN IN SERVICE WITHIN THE EXCAVATION SHALL BE UNEARTHED BY HAND EXCAVATING AND PROVIDED TEMPORARY SUPPORT AND PROTECTION (INCLUDING TEMPORARY HEAT) TO THE SATISFACTION OF THE OWNER AND ENGINEER. REFER TO CIVIL DRAWINGS FOR NEW BEDDING MATERIAL .
12. ALL COLUMN FOOTINGS AND PIERS ARE CENTERED ON COLUMN CENTERLINES U.O.N.
13. SLAB-ON-GRADE CONSTRUCTION:
    5" SLAB OF 3000 PSI @ 28 DAY NORMAL WEIGHT CONCRETE (150 PCF)
    REINFORCED WITH #4 @ 16" EACH WAY SUPPORTED ON CHAIRS AT 48" ON-CENTER 1-1/2" FROM TO OF SLAB
    ON VAPOR BARRIER
    ON 6" OF AASHTO #57 STONE
    ON COMPACTED EARTH
14. ELECTRICAL CONDUITS SHALL NOT BE EMBEDDED IN SLABS. TOP OF CONDUITS SHALL BE A MINIMUM OF 2" BELOW BOTTOM OF SLAB.
15. SAWCUT CONTROL JOINTS IN SLAB A MINIMUM OF 1-1/2" DEEP WITHIN 2 HOURS AFTER SLAB IS POURED.
16. CONTROL JOINTS SHALL BE SPACED AT NO MORE THAN 10 FEET ON-CENTER IN EACH DIRECTION AND AT DOOR OPENINGS.
17. REFER TO ARCHITECTURAL DRAWINGS FOR SLAB DEPRESSIONS AND SLOPED SLABS

EXISTING DIMENSIONS AND MEMBER SIZES SHOWN ARE FOR REFERENCE ONLY AND ARE BASED ON 1969 DRAWINGS PREPARED BY KNG & KING AND THEIR CONSULTANTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS AND SIZES IN THE AREA OF THE WORK

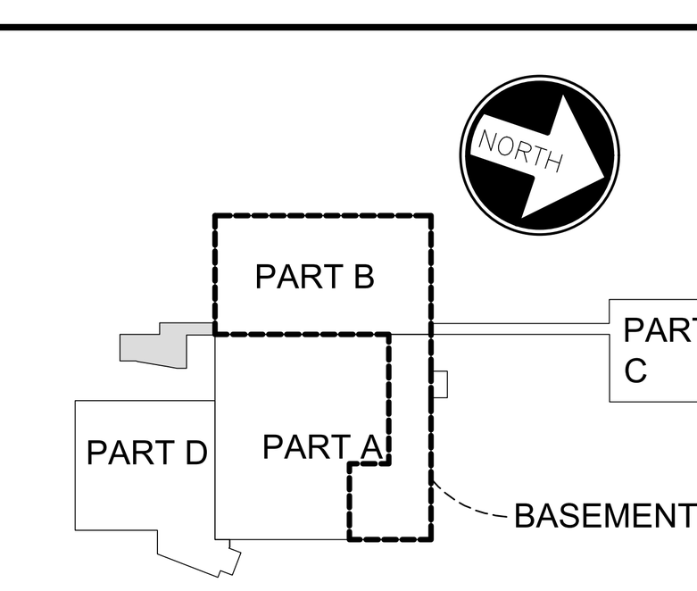
FOOTING SCHEDULE — BEARING PRESSURE 4000 PSF

MARK	SIZE	DEPTH	REINFORCING @ BOTTOM EACH WAY
F30	3'-0" x 3'-0"	1'-0"	4 - #5
F50	5'-0" x 5'-0"	1'-2"	5 - #5
F60	6'-0" x 6'-0"	1'-5"	8 - #5
F7640	7'-6" x 4'-0"	1'-2"	5 - #5 EW TOP AND BOTTOM FULL LENGTH
F141066	14'-10" x 6'-6"	1'-2"	

f'c = 3000 PSI @ 28 DAYS (NORM WT 150 PCF) fy = 60,000 PSI

FOOTING SIZES INDICATED MAY OR MAY NOT APPEAR ON PROJECT

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

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www.highlandassociates.com
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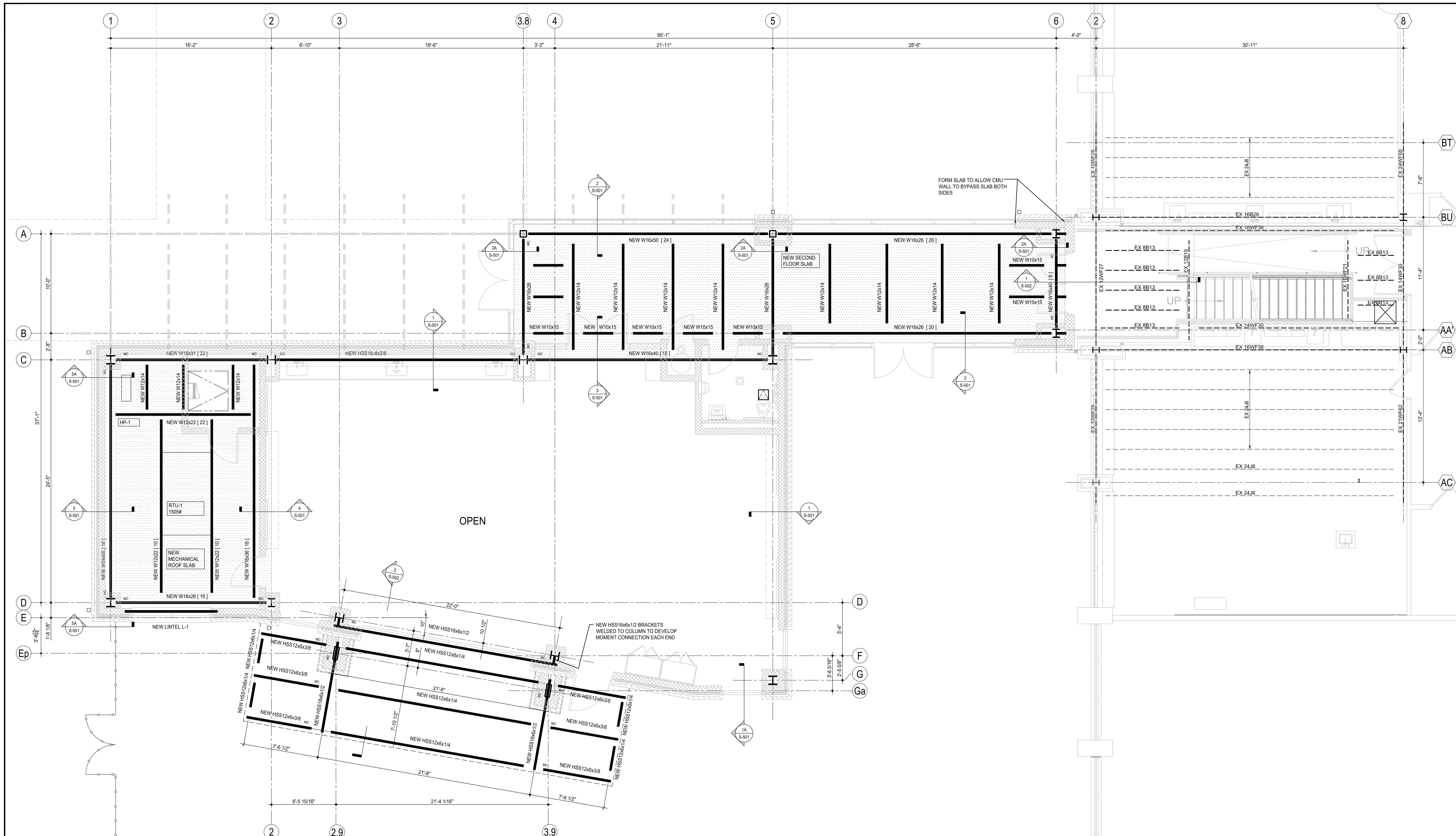
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
FOUNDATION PLAN

DRAWN BY:	PROJECT NO.:
NAC	2025-151P
CHECKED BY: EDM	DRAWING NO.: S-101
DATE: 02-09-2026	

CAD FILE: 5151-S101.DWG
PLOT DATE: 2/3/2026



SECOND FLOOR, MECHANICAL ROOF, AND CANOPY FRAMING PLAN

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

1. EXISTING SECOND FLOOR ELEVATION 985'-0"
2. NEW SECOND FLOOR ELEVATION 986'-0"
3. NEW MECHANICAL SLAB ELEVATION 986'-11"
4. TOP OF CANOPY STEEL ELEVATION 986'-6"
5. NEW FLOOR SLAB CONSTRUCTION:
   3-1/2" NORMAL WEIGHT CONCRETE FILL (145 PCF, 3500 PSI @ 28 DAYS
   REINFORCED w/ 6x6 W2.9xW2.9 WWF 1" DOWN FROM TOP OF SLAB) SUPPORTED ON CHAIRS AT 36" ON-CENTER
   ON 1-1/2" 20 GAUGE GALVANIZED COMPOSITE FLOOR DECK. UNSHORED FOR 8'-1" SPAN MAX.
   TOTAL SLAB CONSTRUCTION 5".
   TOP OF STEEL (- 5") UNLESS NOTED.
   [XX] INDICATES NUMBER OF 3/4"Ø x 4" LONG (AFTER WELDING) SHEAR STUDS EQUALLY SPACED FOR ENTIRE LENGTH OF BEAM.
   CONTROL JOINTS ARE NOT REQUIRED IN ELEVATED CONCRETE SLABS ON DECK. CONSTRUCTION JOINTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE BAY PERPENDICULAR TO THE JOISTS. RUN REINFORCEMENT THRU CONSTRUCTION JOINT. KEYWAYS ARE NOT REQUIRED.
   CONCRETE SLAB SHALL RECEIVE CURING / SEALING COMPOUND COMPATIBLE WITH FLOOR FINISH MATERIAL
   FLOOR DECK SUPPLIER TO PROVIDE ANGLE CLOSURE ALL AROUND PERIMETER AND AROUND FLOOR OPENINGS (UON) - GAUGE AS REQUIRED (16 GA MINIMUM).
6. ROOF CONSTRUCTION:
   1-1/2" DEEP, 20 GAUGE, GALVANIZED, WIDE-RIB (TYPE B) ROOF DECK
   ROOF DECK SHALL BEAR 2" ON NEW FRAMING
   NO ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE-PROTECTION, ELECTRICAL, ETC SHALL BE HUNG FROM THE ROOF DECK
7. MC INDICATES MOMENT CONNECTION. SEE DETAILS ON DRAWING S-301.
8. ALL FILLER BEAMS NOT DIMENSIONED ARE TO BE EQUALLY SPACED.
9. DIMENSION FROM BEAM CENTERLINE TO EDGE OF OPENING TO BE 6" UNLESS NOTED.

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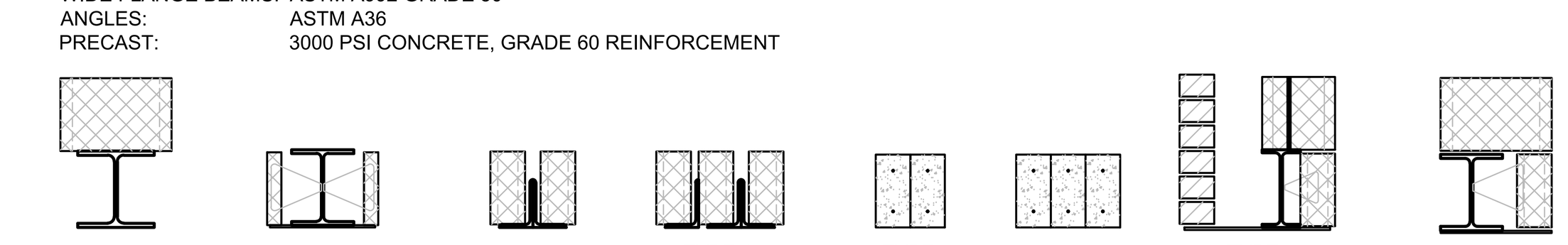
LINTEL SCHEDULE

TAG	TYPE	SIZE	WALL CONST	BEARING	MAX MO	JAMBS
L-1	7	W8x15 + 1/4x15-3/4 CONT BOTTOM PLATE	NEW 8" CMU	8" EACH END	8'-0"	NOTE 2

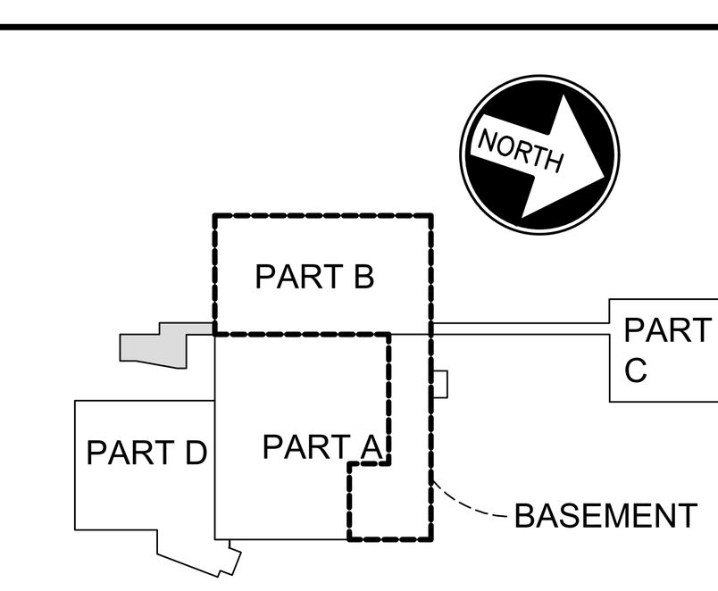
NOTE:
- PROVIDE GAP AT ENDS OF LINTELS TO ALLOW FOR EXPANSION AND CONTRACTION.
- WELD VERTICAL CMU REINFORCING TO THE TOP OF BEAMS.
- REFER TO ARCH DRAWINGS FOR NON-BEARING WALL LINTELS
- ALL STEEL LINTELS IN FIRERATED WALLS SHALL RECEIVE INTUMESCENT PAINT FIREPROOFING
- LINTELS IN EXTERIOR WALLS SHALL BE PRIMED AND PAINTED

1. GROUT SOLID UNDER BEARING TO FOUNDATION
2. GROUT TWO COURSES SOLID UNDER BEARING EACH END
3. SHORE EXISTING WALLS AS REQUIRED
4. PROVIDE MASONRY TIES ON LINTELS AT 16" oc

MATERIALS:
WIDE FLANGE BEAMS: ASTM A992 GRADE 50
ANGLES: ASTM A36
PRECAST: 3000 PSI CONCRETE, GRADE 60 REINFORCEMENT



REVISIONS



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02-09-2026

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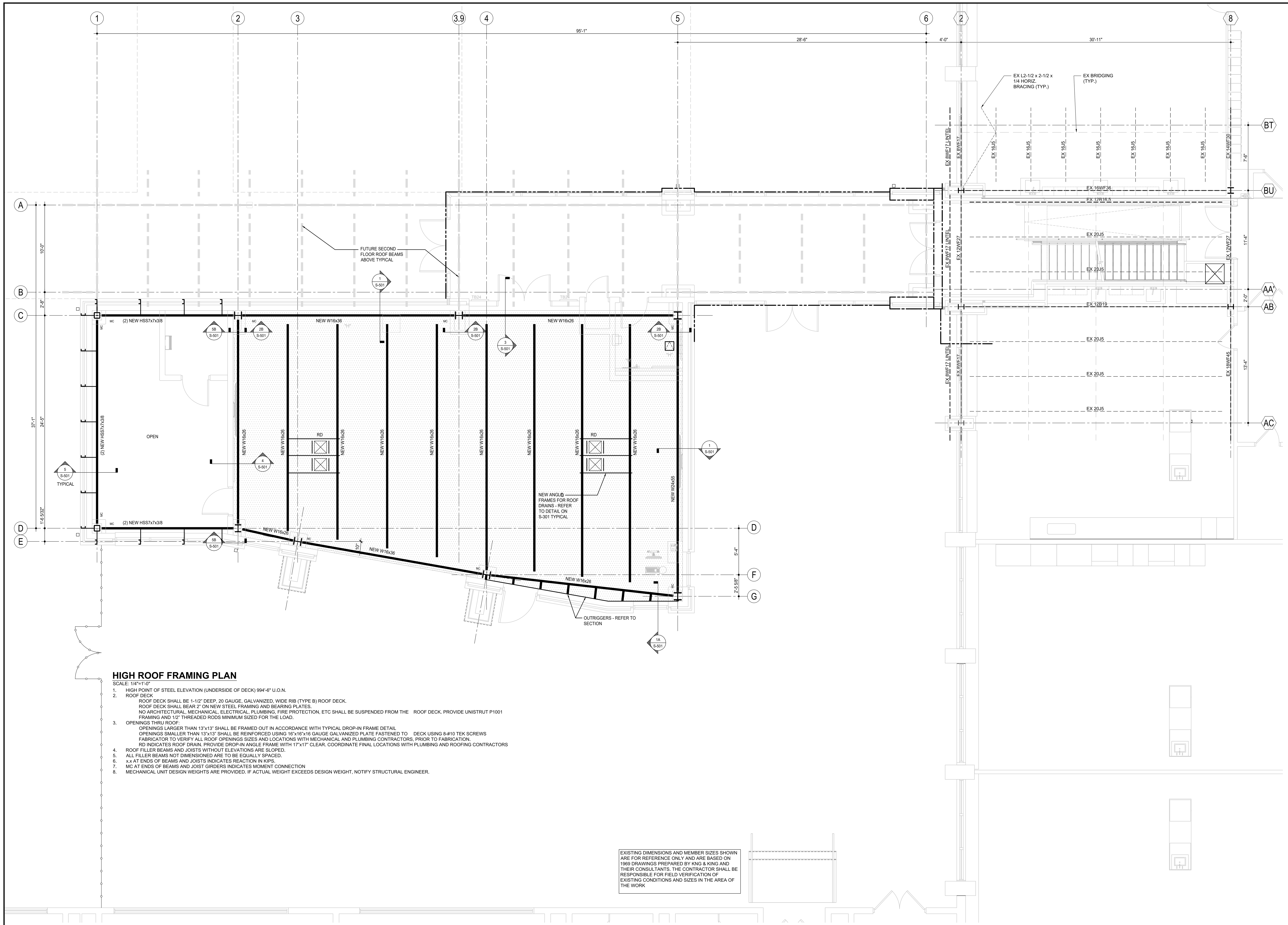
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
SECOND FLOOR, MECHANICAL ROOF, AND CANOPY FRAMING PLAN

DRAWN BY:	PROJECT NO.:
NAC	2025-151P
CHECKED BY: EDM	DRAWING NO.: S-201
DATE: 02-09-2026	

CAD FILE: 5151-S201.DWG
PLOT DATE: 2/3/2026



HIGH ROOF FRAMING PLAN

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

1. HIGH POINT OF STEEL ELEVATION (UNDERSIDE OF DECK) 994'-6" U.O.N.
2. ROOF DECK
   ROOF DECK SHALL BE 1-1/2" DEEP, 20 GAUGE, GALVANIZED, WIDE RIB (TYPE B) ROOF DECK.
   ROOF DECK SHALL BEAR 2" ON NEW STEEL FRAMING AND BEARING PLATES.
   NO ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, ETC SHALL BE SUSPENDED FROM THE ROOF DECK. PROVIDE UNISTRUT P1001 FRAMING AND 1/2" THREADED RODS MINIMUM SIZED FOR THE LOAD.
3. OPENINGS THRU ROOF:
   OPENINGS LARGER THAN 13"x13" SHALL BE FRAMED OUT IN ACCORDANCE WITH TYPICAL DROP-IN FRAME DETAIL
   OPENINGS SMALLER THAN 13"x13" SHALL BE REINFORCED USING 16"x16"x16 GAUGE GALVANIZED PLATE FASTENED TO DECK USING 8-#10 TEK SCREWS
   FABRICATOR TO VERIFY ALL ROOF OPENINGS SIZES AND LOCATIONS WITH MECHANICAL AND PLUMBING CONTRACTORS, PRIOR TO FABRICATION.
   RD INDICATES ROOF DRAIN. PROVIDE DROP-IN ANGLE FRAME WITH 17"x17" CLEAR. COORDINATE FINAL LOCATIONS WITH PLUMBING AND ROOFING CONTRACTORS
4. ROOF FILLER BEAMS AND JOISTS WITHOUT ELEVATIONS ARE SLOPED.
5. ALL FILLER BEAMS NOT DIMENSIONED ARE TO BE EQUALLY SPACED.
6. x.x AT ENDS OF BEAMS AND JOISTS INDICATES REACTION IN KIPS.
7. MC AT ENDS OF BEAMS AND JOIST GIRDERS INDICATES MOMENT CONNECTION
8. MECHANICAL UNIT DESIGN WEIGHTS ARE PROVIDED. IF ACTUAL WEIGHT EXCEEDS DESIGN WEIGHT, NOTIFY STRUCTURAL ENGINEER.

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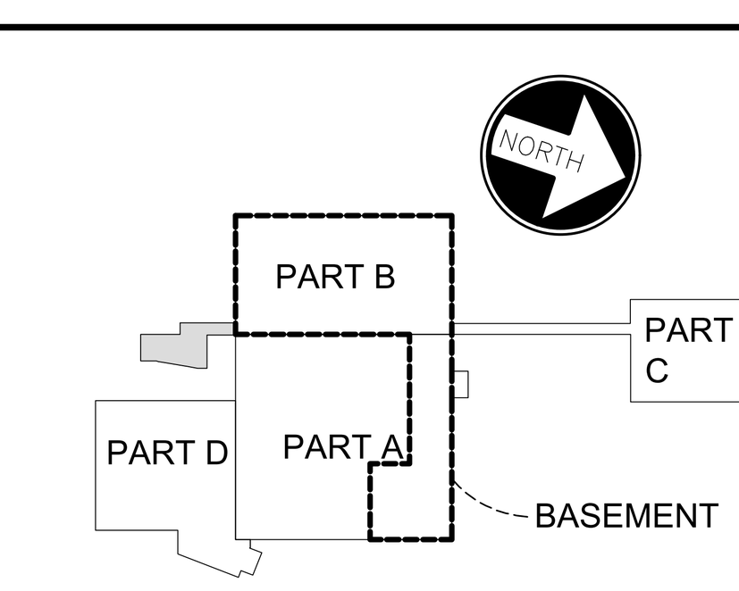
REVISIONS



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AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
HIGH ROOF FRAMING PLAN

DRAWN BY:	PROJECT NO.:
NAC	2025-151P
CHECKED BY: EDM	DRAWING NO.: S-202
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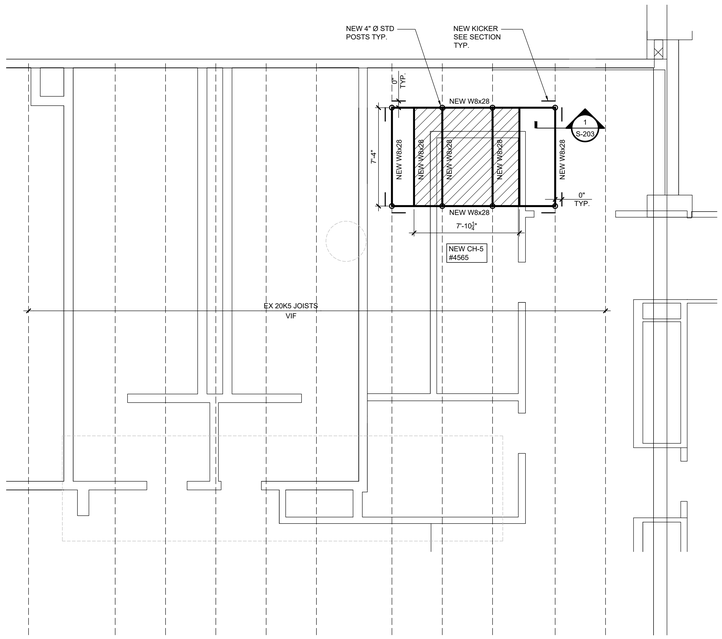
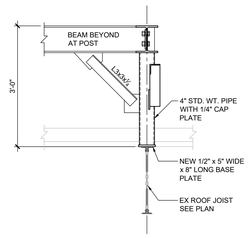
PLOT DATE: 2/3/2026



EX ROOF FRAMING AT NEW CHILLER

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

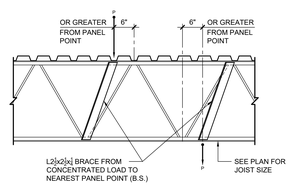
- OPERATING WEIGHT:
  CH-S = 4565#
- ALL NEW STEEL TO BE GALVANIZED. SEE SPECIFICATIONS
- UNIT SHALL BE ATTACHED TO NEW DUNNAGE AS PER THE MANUF.



1 S-203

SECTION AT NEW CHILLER DUNNAGE

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

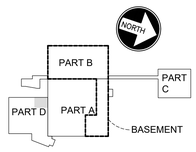


P = CONCENTRATED LOAD

TYPICAL JOIST REINFORCEMENT AT CONCENTRATED LOAD DETAIL

NOT TO SCALE

REVISIONS



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2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

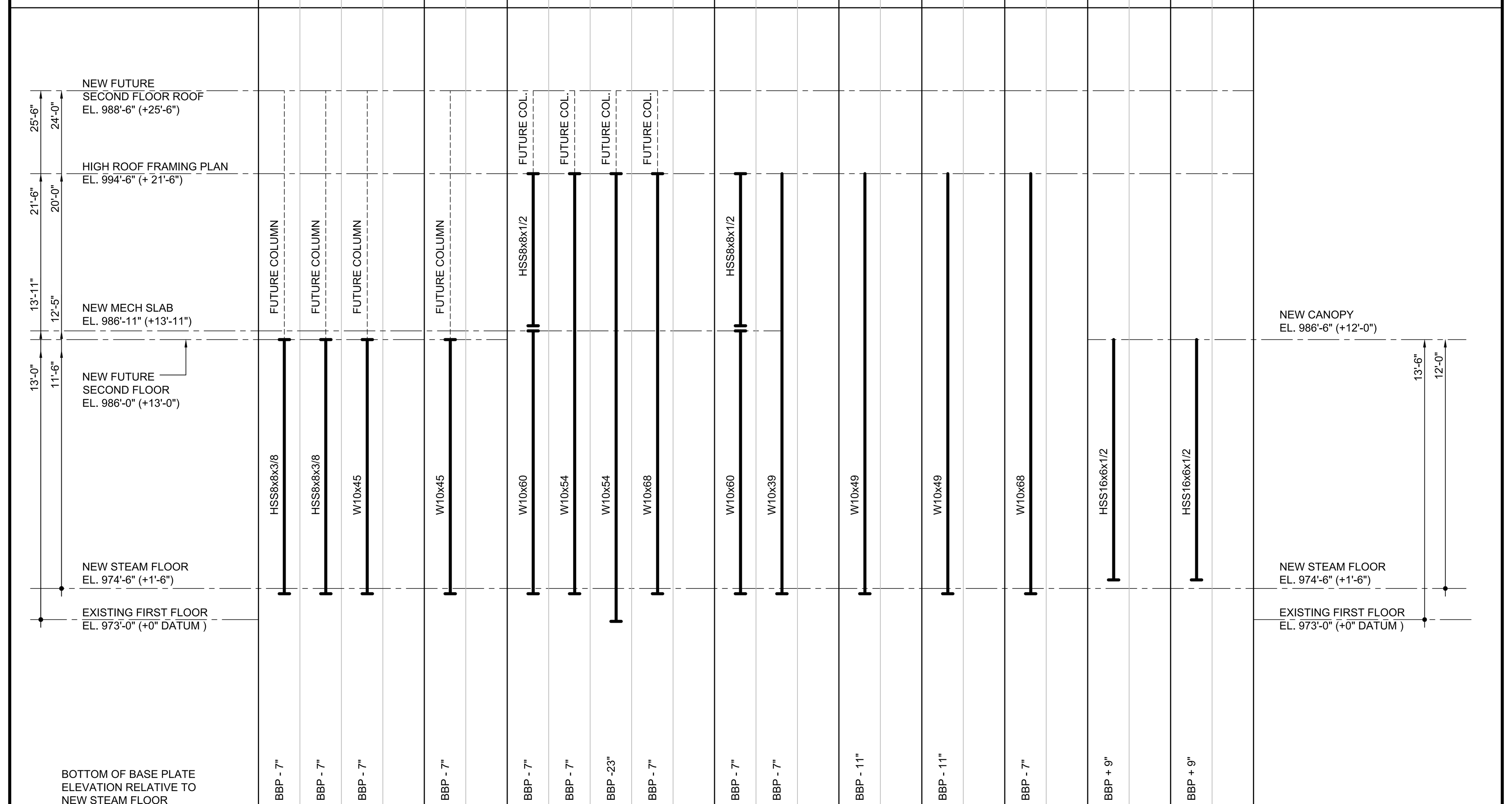
DRAWING TITLE:
NEW CHILLER FRAMING PLAN AND DETAILS

DRAWN BY:	PROJECT NO.:
NAC	2025-151P
CHECKED BY:	DRAWING NO.:
EDM	S-203
DATE: 02-09-2026	

CAD FILE:
PLOT DATE: 2/2026

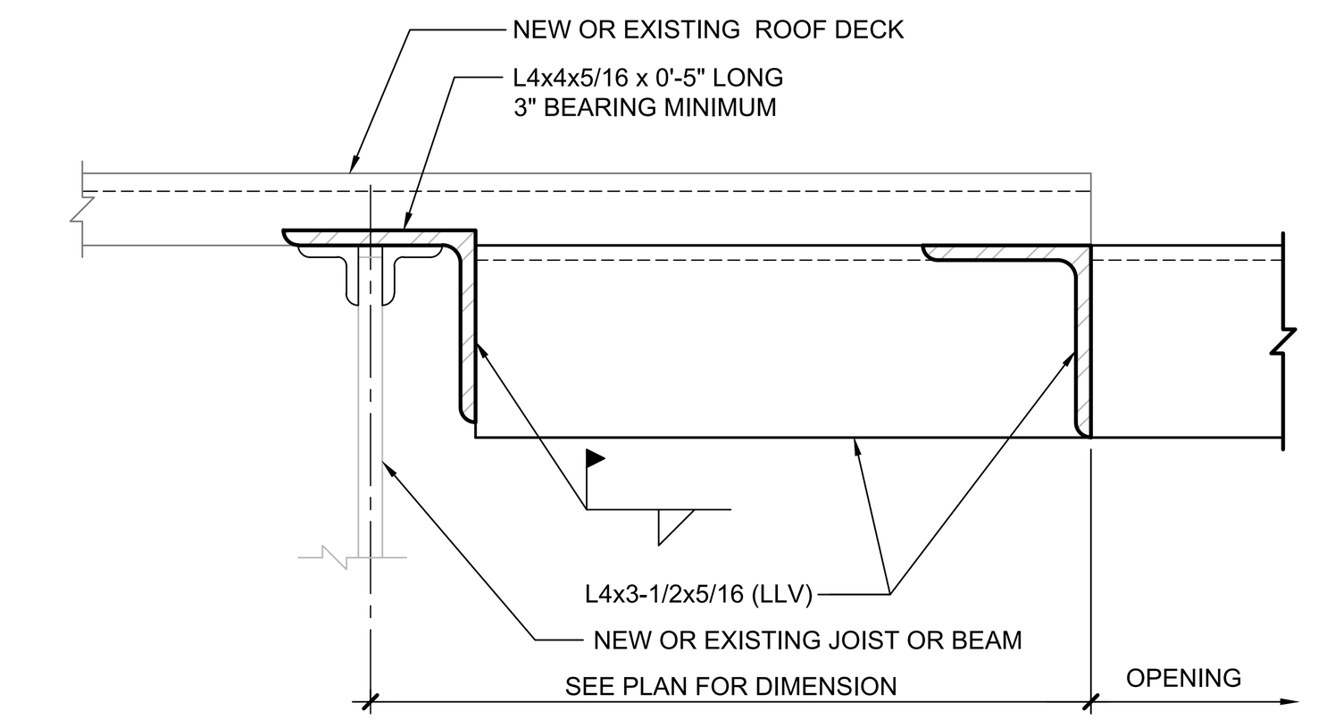
COLUMN SCHEDULE

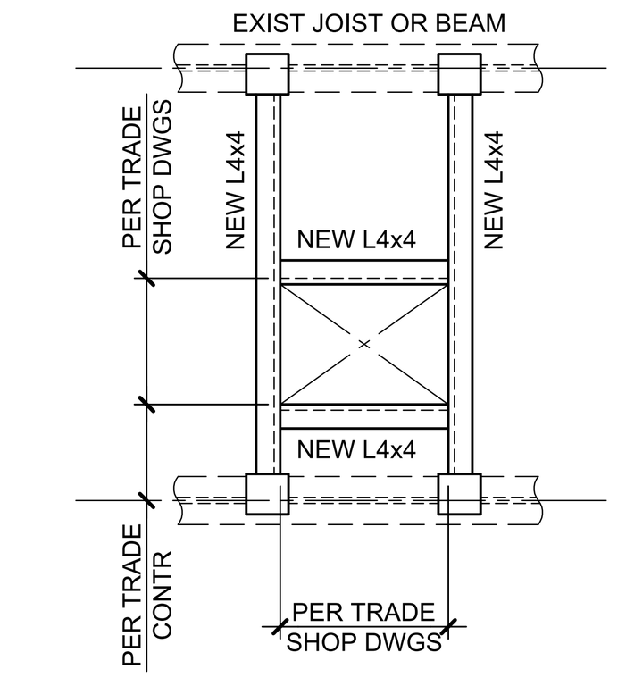
	BUILDING													CANOPY	
COLUMN NUMBER	A 3.8	A 5	A 6	B 6	C 1	C 2	C 3.8	C 5	D 1	D 2	E 2.9	F 3.9	G 5	Ep 2.9	Ga 3.9
CAP PLATE	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"



BOTTOM OF BASE PLATE ELEVATION RELATIVE TO NEW STEAM FLOOR	BBP - 7"	BBP - 7"	BBP - 7"	BBP - 7"	BBP - 7"	BBP - 7"	BBP -23"	BBP - 7"	BBP - 7"	BBP - 7"	BBP - 11"	BBP - 11"	BBP - 7"	BBP + 9"	BBP + 9"
COLUMN NUMBER	A 3.8	A 5	A 6	B 6	C 1	C 2	C 3.8	C 5	D 1	D 2	E 2.9	F 3.9	G 5	Ep 2.9	Ga 3.9
BASE PLATE SIZE ANCHOR ROD	16"x16"x3/4" (4) 3/4"Ø w/ 18" EMBED	16"x16"x3/4" (4) 3/4"Ø w/ 18" EMBED	18"x18"x3/4" (4) 3/4"Ø w/ 18" EMBED	18"x18"x3/4" (4) 3/4"Ø w/ 18" EMBED	18"x18"x3/4" (4) 3/4"Ø w/ 18" EMBED	18"x18"x3/4" (4) 3/4"Ø w/ 18" EMBED	18"x18"x3/4" (4) 3/4"Ø w/ 18" EMBED	18"x18"x3/4" (4) 3/4"Ø w/ 18" EMBED	18"x18"x3/4" (4) 3/4"Ø w/ 18" EMBED	18"x18"x3/4" (4) 3/4"Ø w/ 18" EMBED	18"x18"x3/4" (4) 3/4"Ø w/ 18" EMBED	18"x18"x3/4" (4) 3/4"Ø w/ 18" EMBED	18"x18"x3/4" (4) 3/4"Ø w/ 18" EMBED	14"x24"x1-1/4" (6) 1"Ø w/ 18" EMBED	14"x24"x1-1/4" (6) 1"Ø w/ 18" EMBED
PIER SIZE	20" x 20"	20" x 20"	22" x 22"	22" x 22"	22" x 22"	22" x 22"	22" x 22"	22" x 22"	22" x 22"	22" x 22"	22" x 22"	22" x 22"	22" x 22"	48" x 36"	48" x 36"
PIER VERTICAL REINFORCING AND TIES	12 - #6 #4 @ 12"	12 - #6 #4 @ 12"	12 - #6 #4 @ 12"	12 - #6 #4 @ 12"	12 - #6 #4 @ 12"	12 - #6 #4 @ 12"	12 - #6 #4 @ 12"	12 - #6 #4 @ 12"	12 - #6 #4 @ 12"	12 - #6 #4 @ 12"	12 - #6 #4 @ 12"	12 - #6 #4 @ 12"	12 - #6 #4 @ 12"	14 - #6 #4 @ 12"	14 - #6 #4 @ 12"
COLUMN NUMBER	A 3.8	A 5	A 6	B 6	C 1	C 2	C 3.8	C 5	D 1	D 2	E 2.9	F 3.9	G 5	Ep 2.9	Ga 3.9

- FOR BASE PLATES AND PIERS, FIRST DIMENSION IS PARALLEL TO COLUMN FLANGE.
- PIERS ARE CENTERED ON COLUMN CENTERLINES.
- CAP PLATES TO BE 3/4" x COLUMN SIZE (U.O.N.).
- BBP - INDICATES DIMENSION FROM NEW FIRST FLOOR TO BOTTOM OF BASE PLATE
- COAT ALL STEEL BELOW TOP OF SLAB WITH BITUMENOUS PAINT



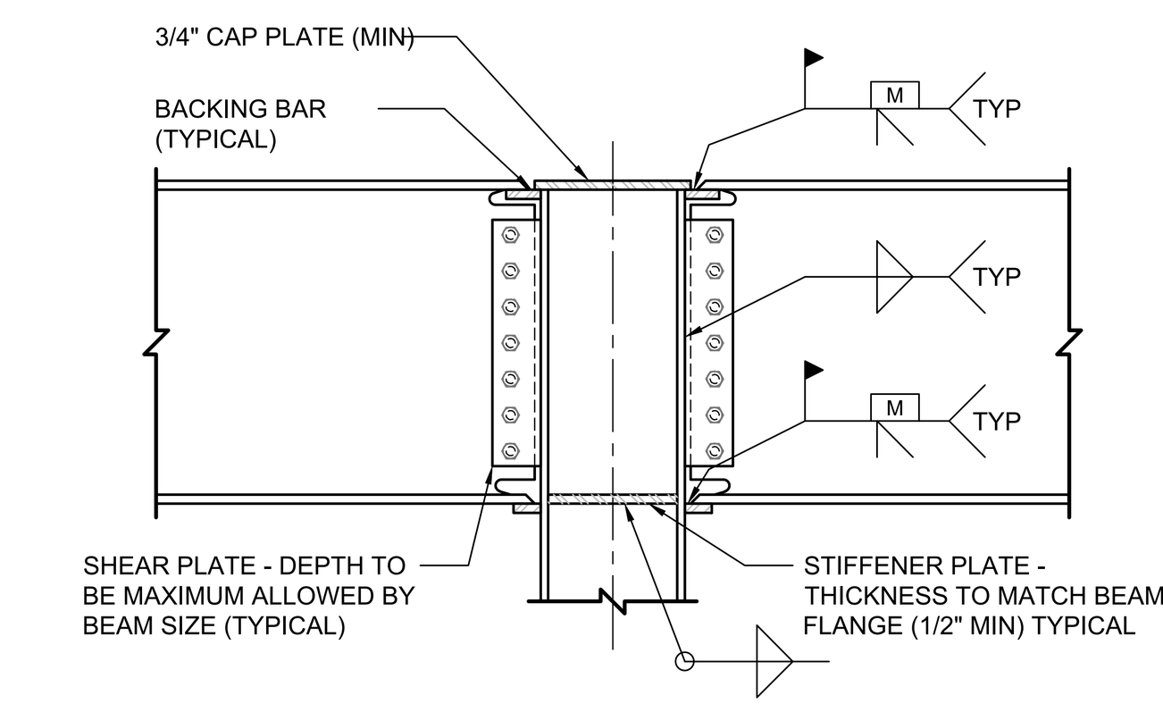


PLAN AT FAN, HOOD, FLUE, RD, ETC

TYPICAL DROP-IN FRAME DETAIL REQUIRED FOR ALL NEW ROOF OPENINGS

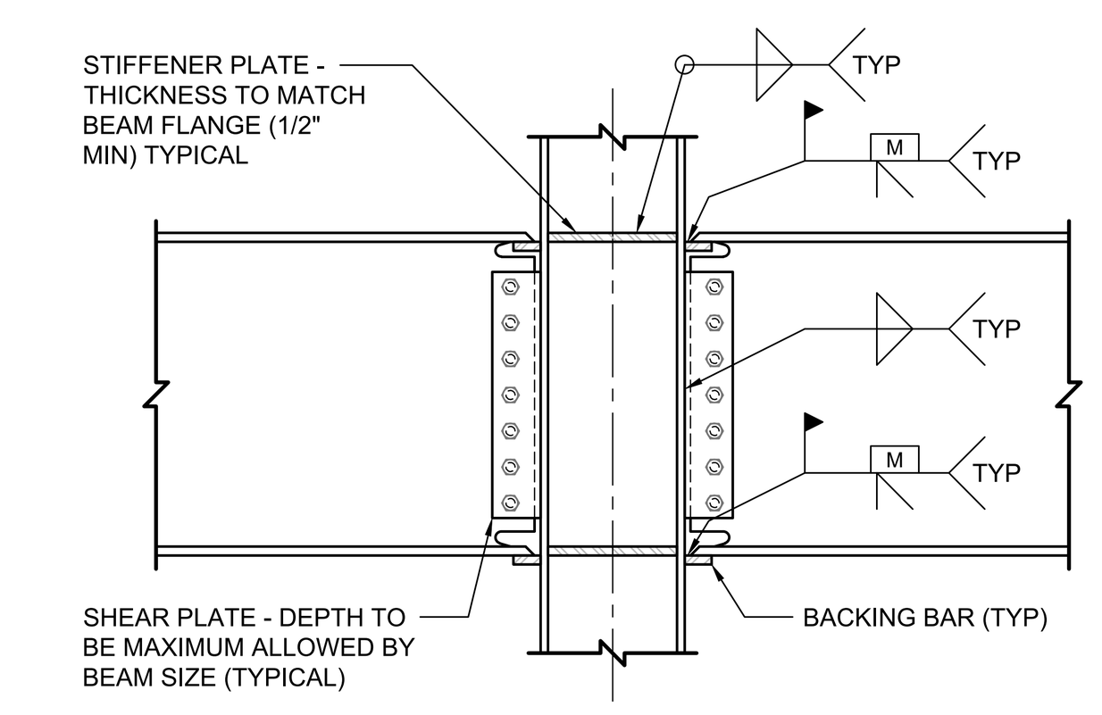
NOT TO SCALE (4)

- ALL FRAMES SHALL BE 4-SIDED
- ALL NEW STEEL ANGLES AND SUPPORTS TO BE PRIME PAINTED
- DROP-IN FRAMES ARE REQUIRED FOR ALL OPENINGS LARGER THAN 13"x13" AND FOR SUPPORT OF CONDENSERS



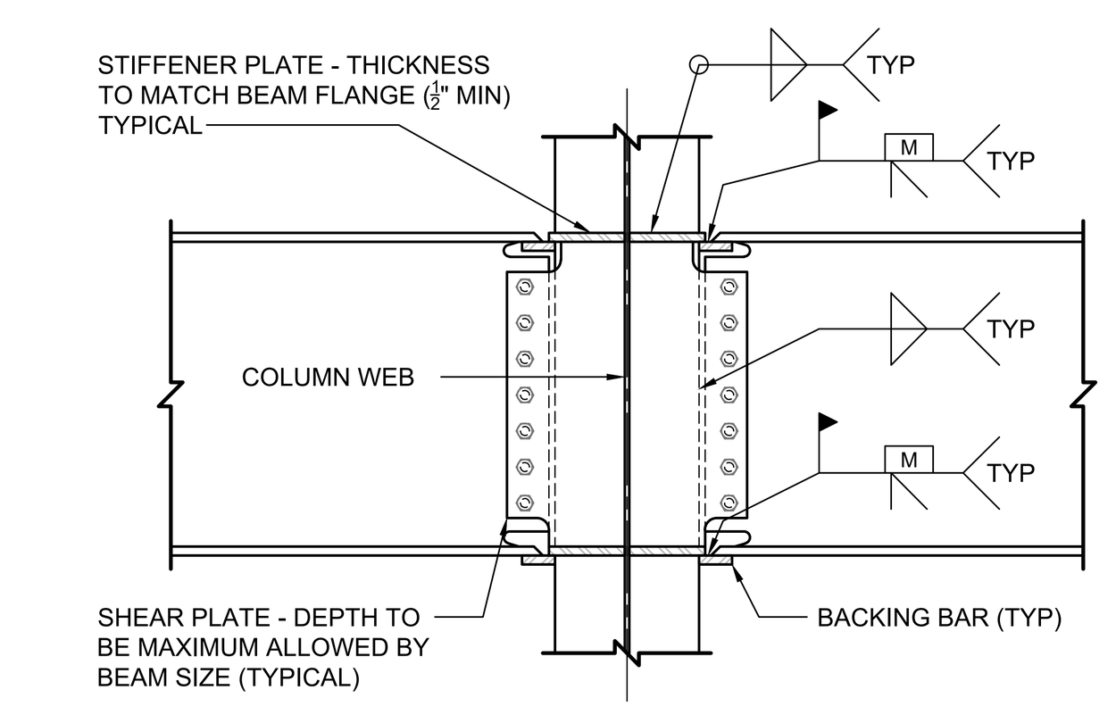
TYPICAL BEAM TO COLUMN FLANGE MOMENT CONNECTION DETAIL (AT ROOF)

NOT TO SCALE (CONNECTION AT WEB SIMILAR)



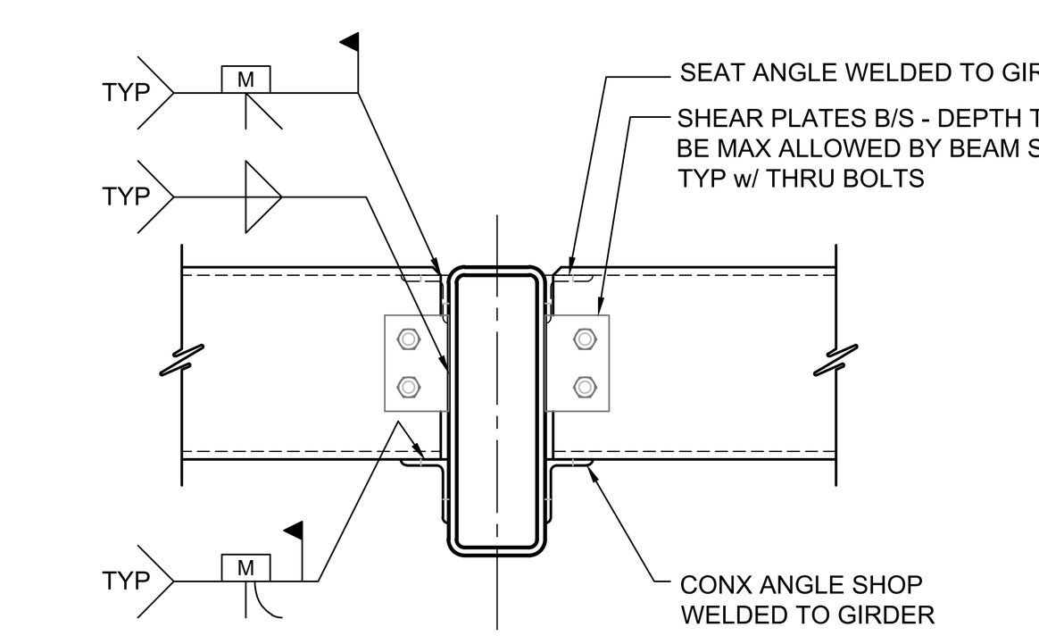
TYPICAL BEAM TO COLUMN FLANGE MOMENT CONNECTION DETAIL

NOT TO SCALE



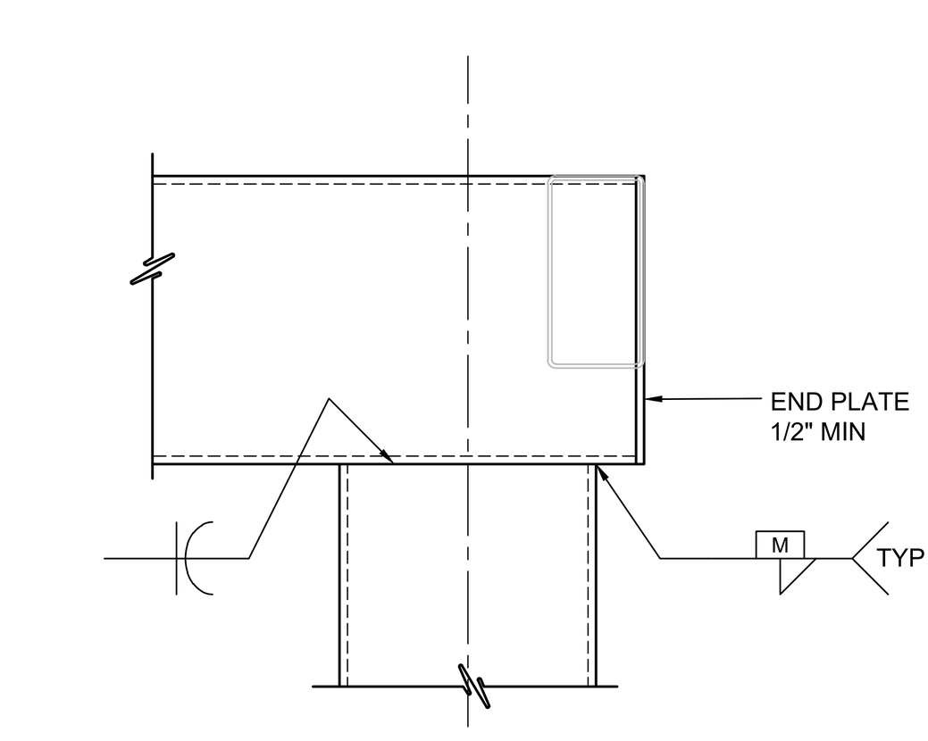
TYPICAL BEAM TO COLUMN WEB MOMENT CONNECTION DETAIL

NOT TO SCALE



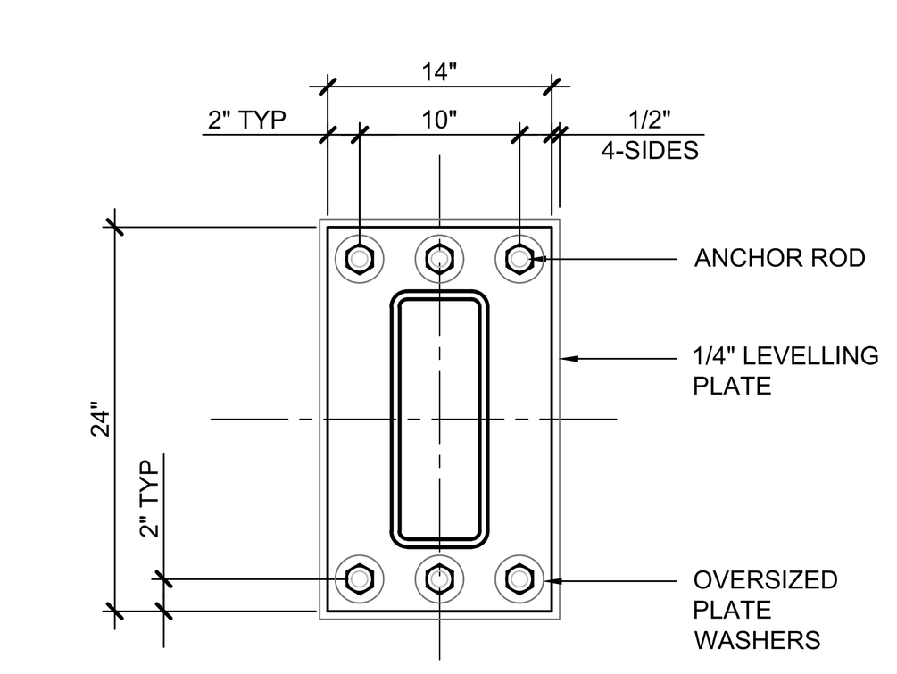
TYPICAL HSS BEAM TO HSS GIRDER MOMENT CONNECTION DETAIL

NOT TO SCALE (12)



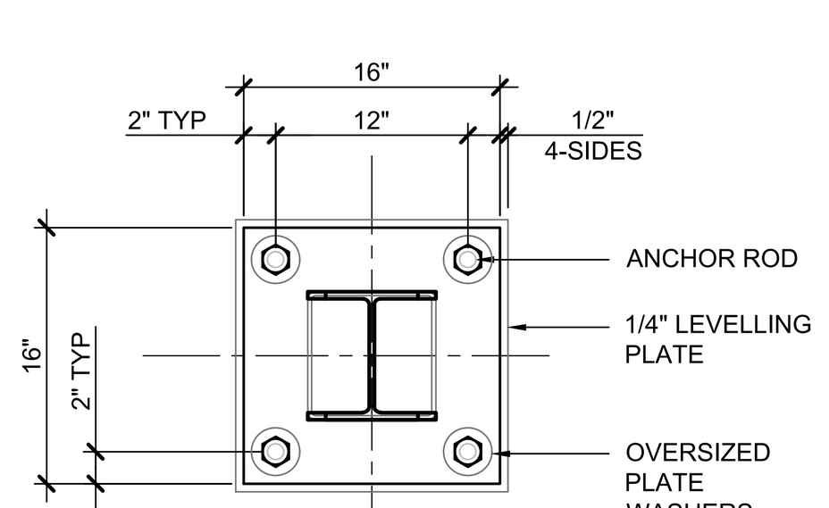
TYPICAL HSS BEAM TO HSS COLUMN SHOP MOMENT CONNECTION DETAIL

NOT TO SCALE (12)



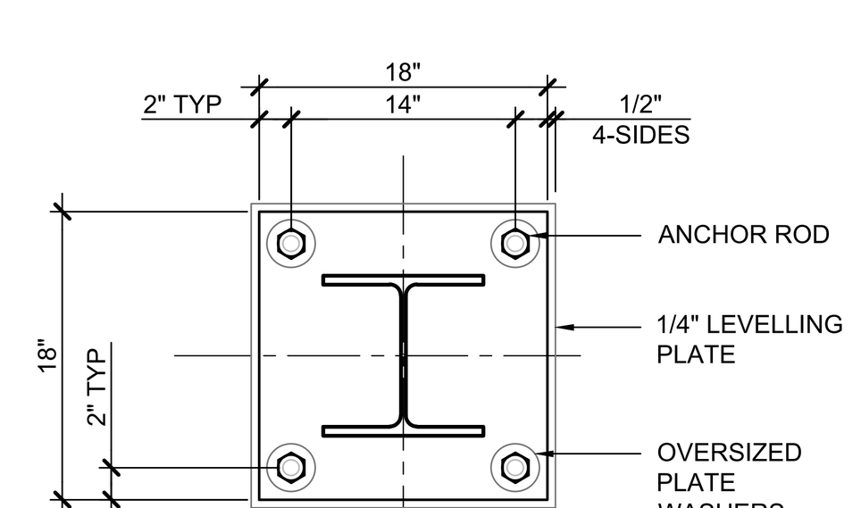
PLAN DETAIL: 14"x24" BASE PLATE

SCALE: 1" = 1'-0"



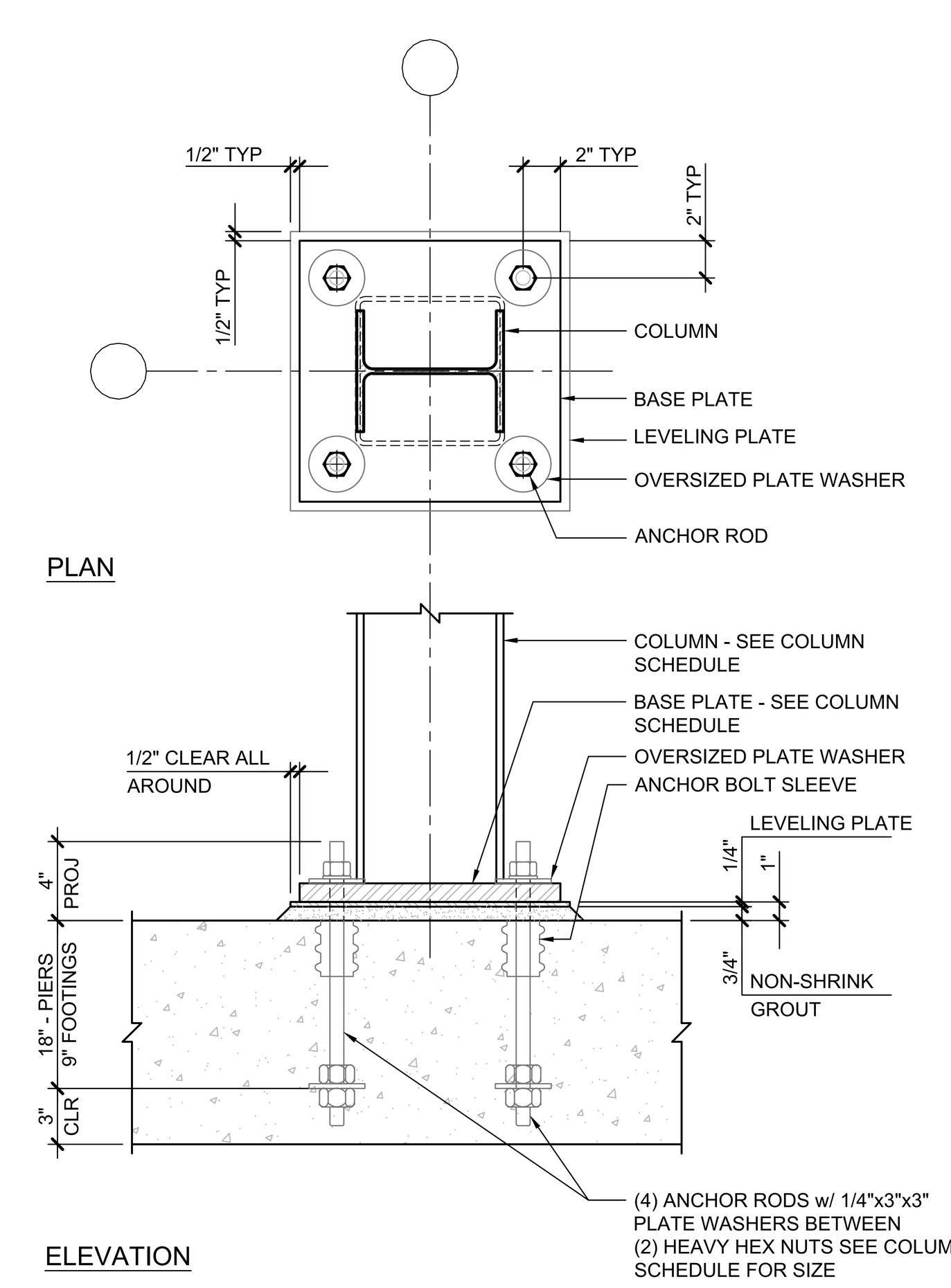
PLAN DETAIL: 16"x16" BASE PLATE

SCALE: 1" = 1'-0"



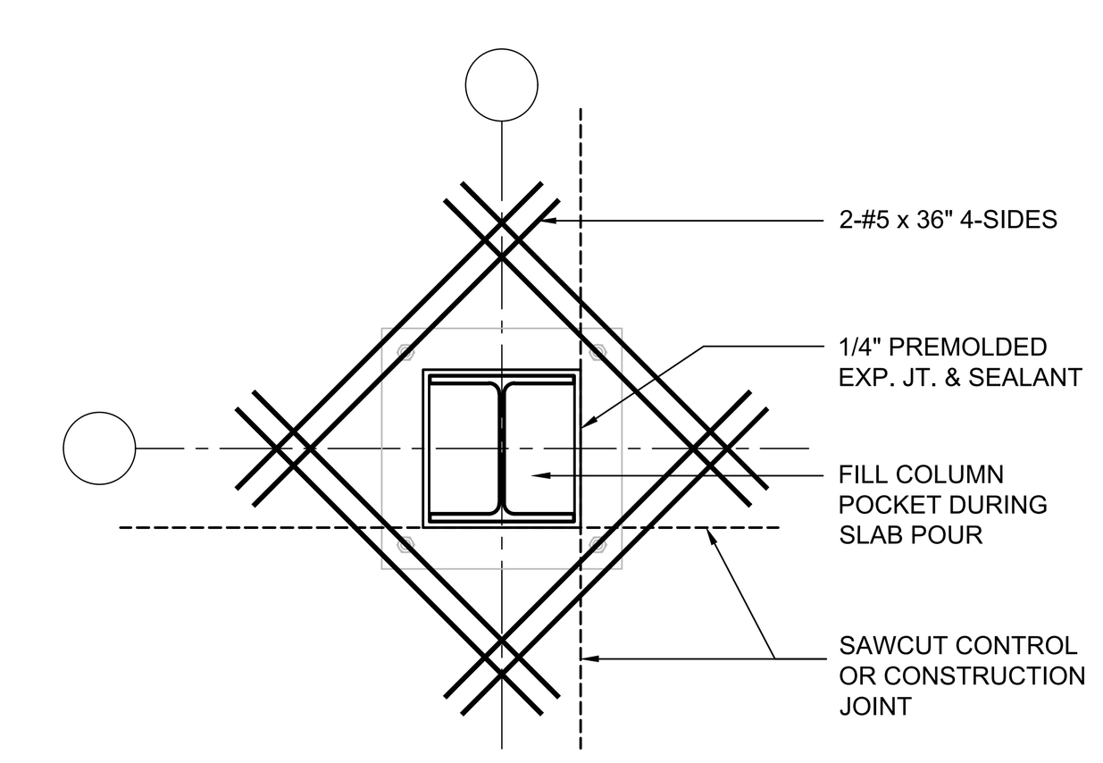
PLAN DETAIL: 18"x18" BASE PLATE

SCALE: 1" = 1'-0"



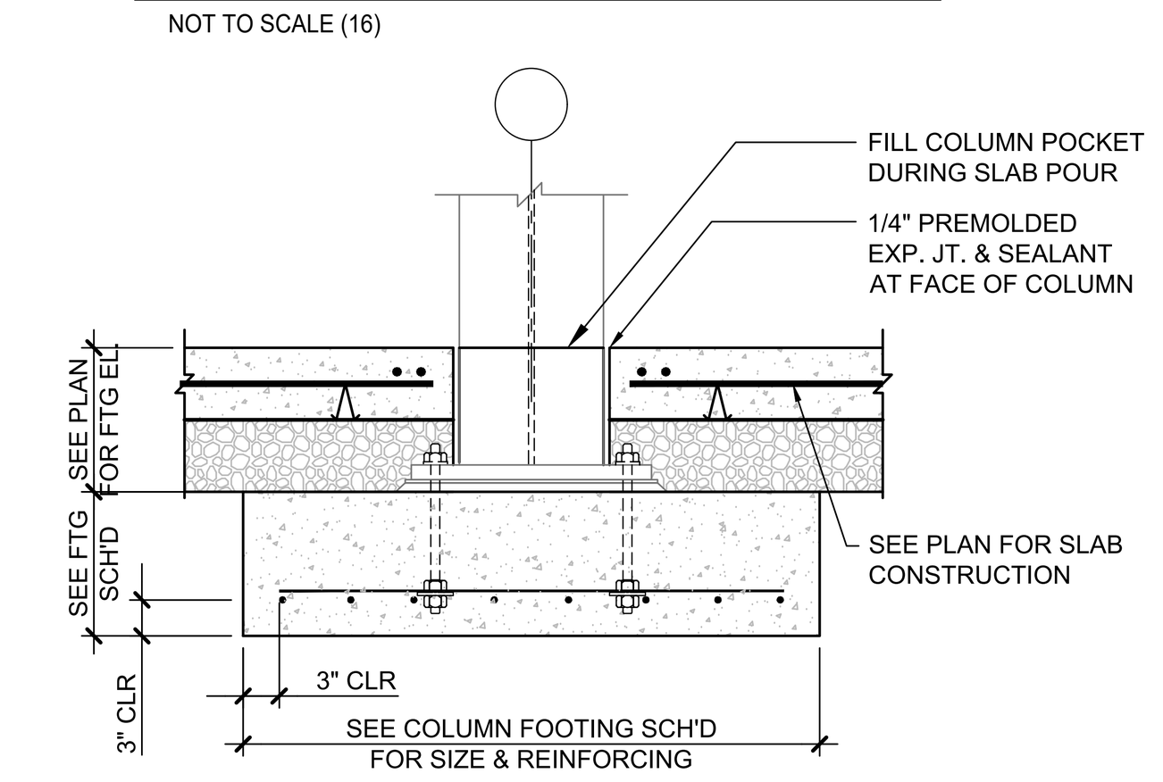
TYPICAL ANCHOR ROD DETAIL

NOT TO SCALE (8)



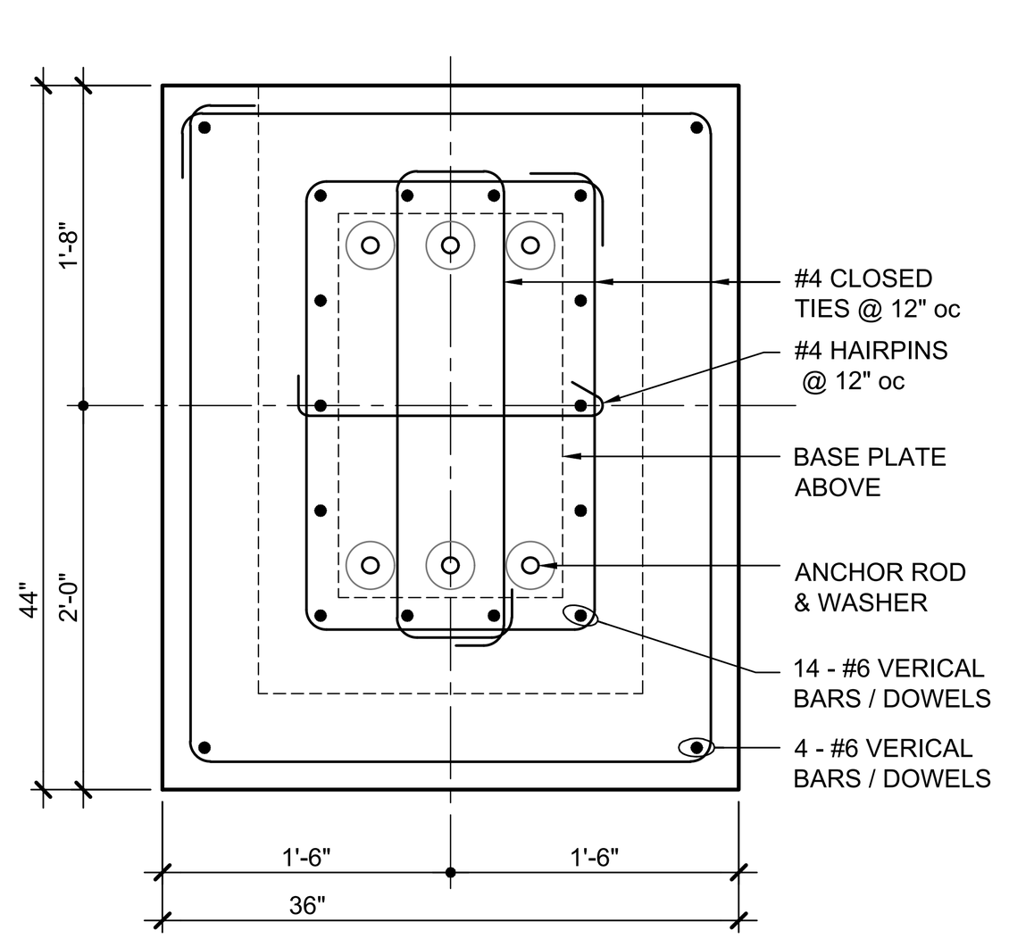
TYPICAL COLUMN ISOLATION JOINT DETAIL

NOT TO SCALE (16)



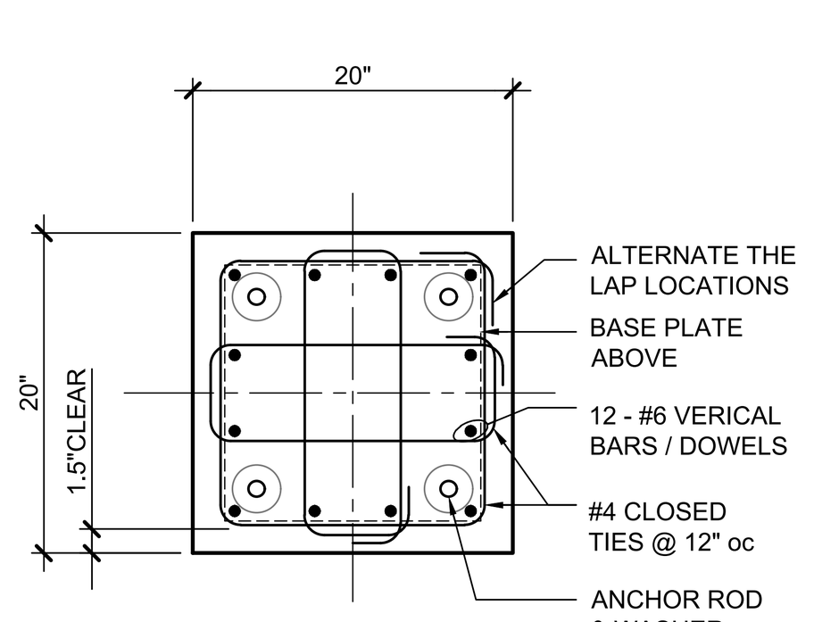
TYPICAL INTERIOR FOOTING & ISOLATION JOINT DETAIL

NOT TO SCALE (16)



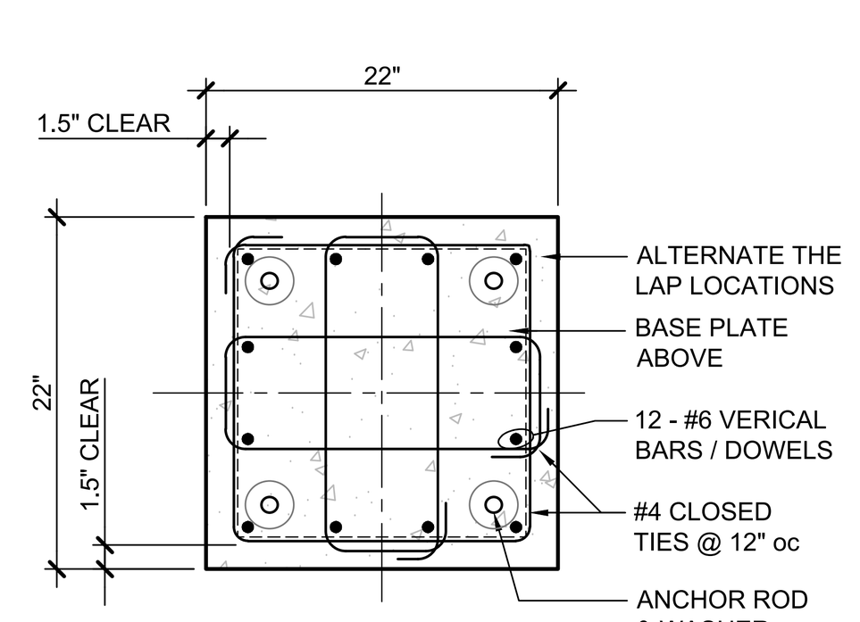
PLAN DETAIL: 36"x44" PIER

SCALE: 1" = 1'-0"



PLAN DETAIL: 20"x20" PIER

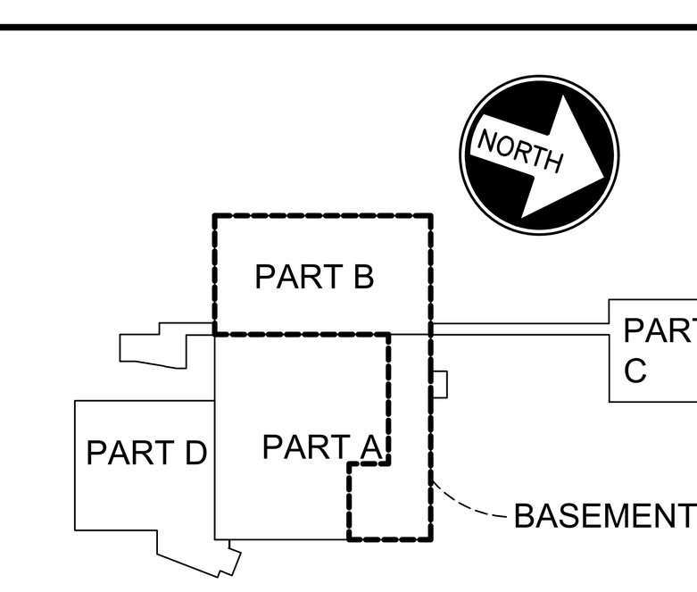
SCALE: 1" = 1'-0"



PLAN DETAIL: 22"x22" PIER

SCALE: 1" = 1'-0"

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

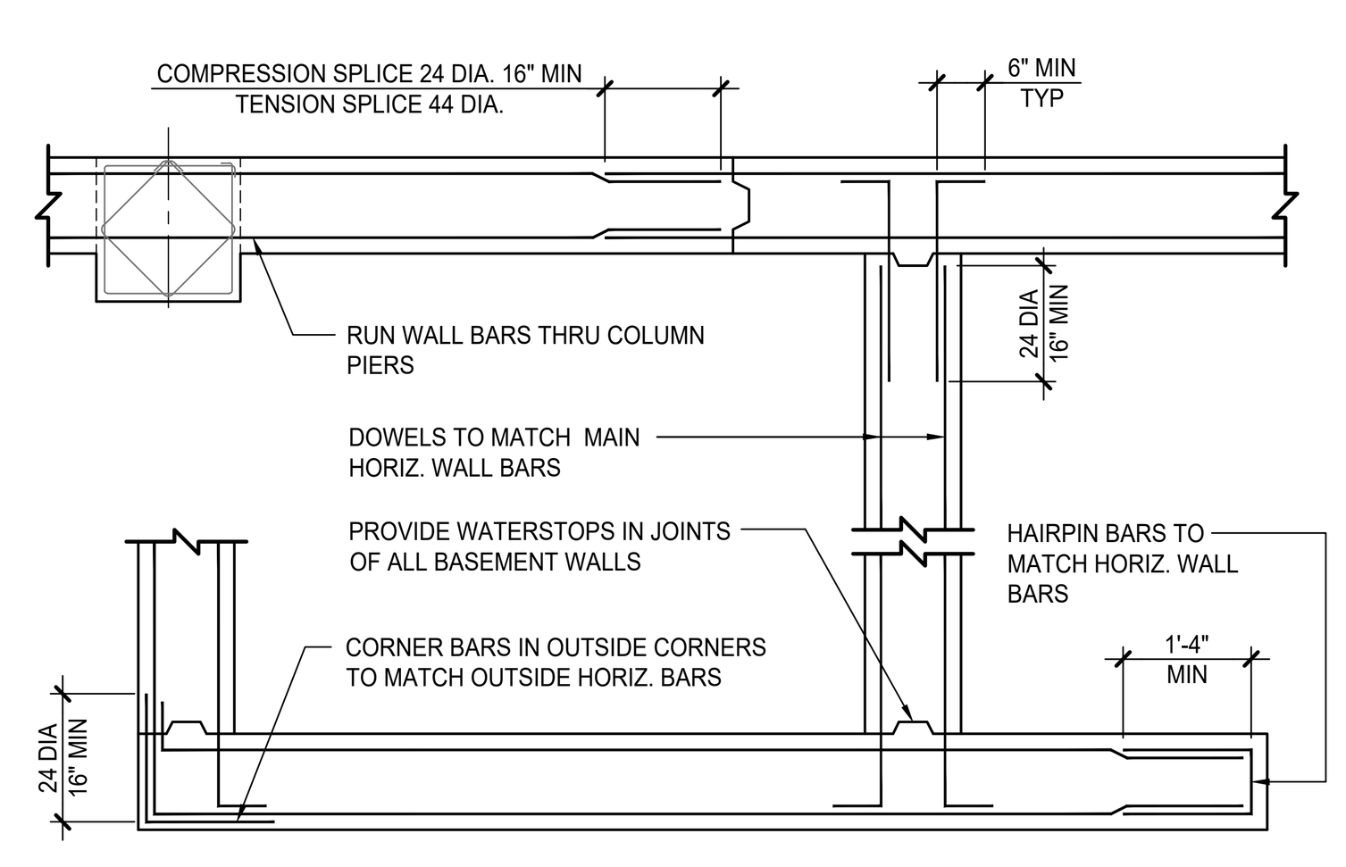
SEALS:

HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:
Vestal
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
COLUMN SCHEDULE AND DETAILS

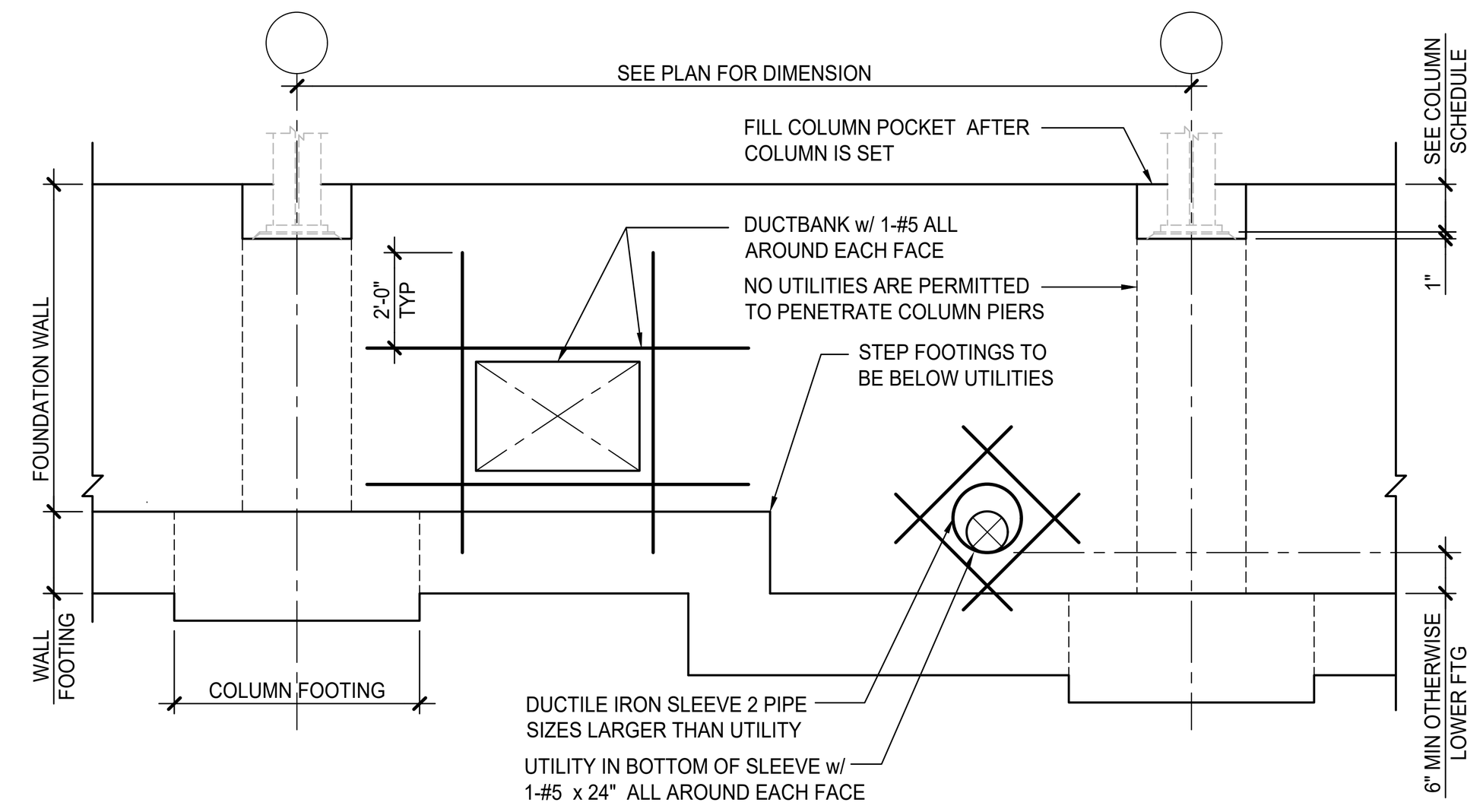
DRAWN BY:	PROJECT NO.:
DJL	2025-151P
CHECKED BY:	DRAWING NO.:
EDM	S-301
DATE:	
02-09-2026	



TYPICAL WALL REINFORCEMENT SCHEMATIC

NOTE: LAYOUT IS SCHEMATIC, REFER TO PLAN FOR ACTUAL WALL ARRANGEMENT

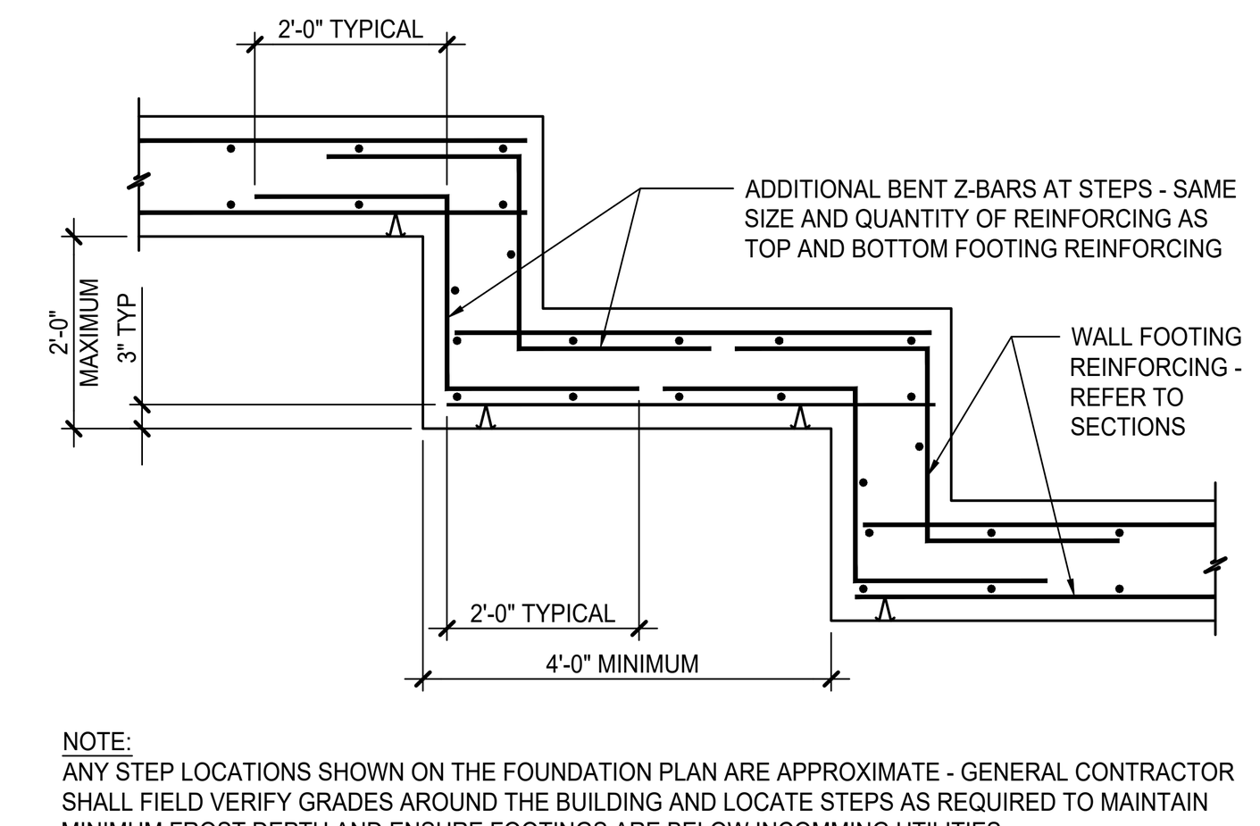
NOT TO SCALE (24)



TYPICAL WALL WALL ELEVATION SCHEMATIC

NOTE: LAYOUT IS SCHEMATIC, REFER TO PLAN FOR ACTUAL WALL ARRANGEMENT

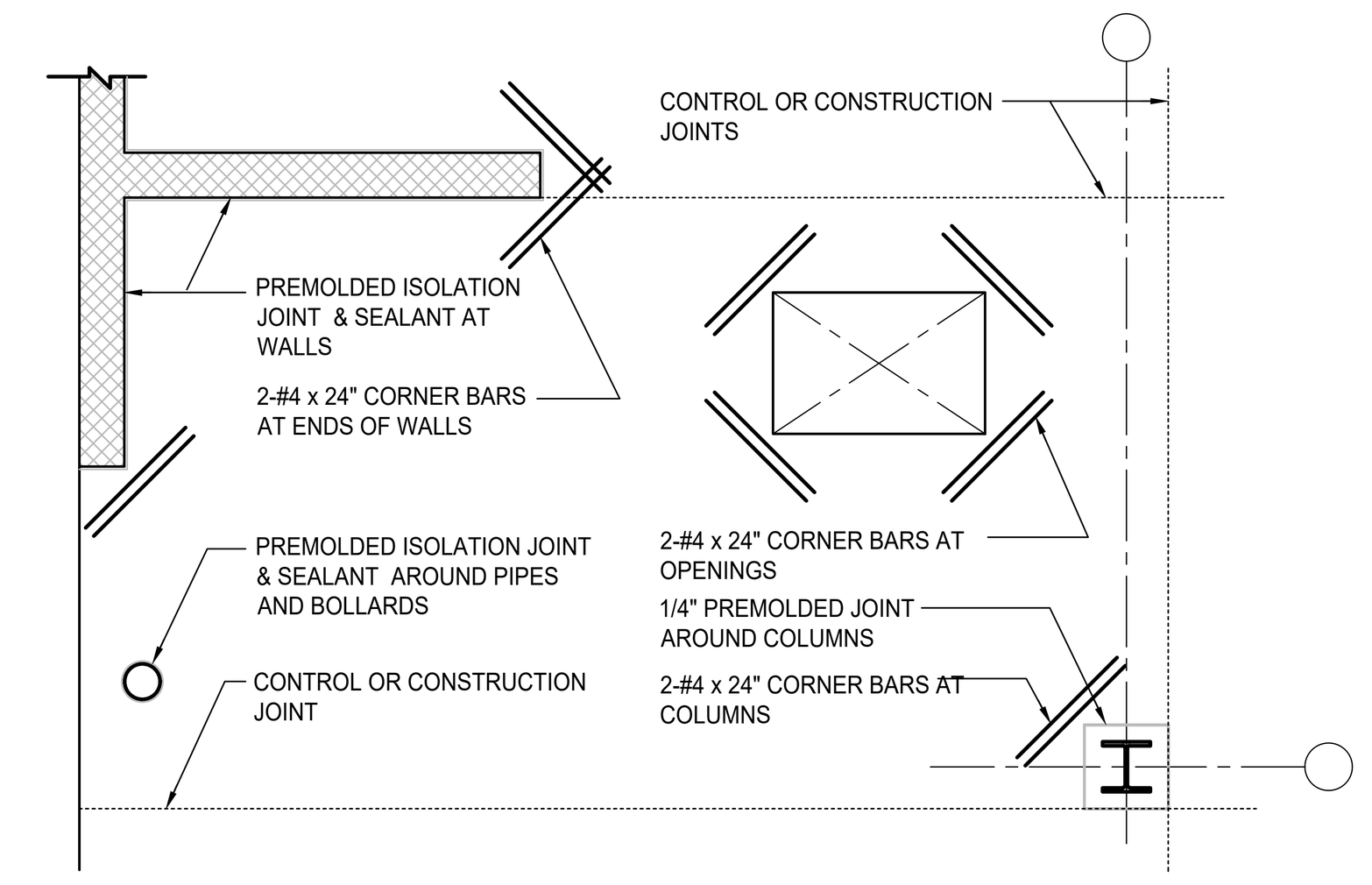
NOT TO SCALE (24)



NOTE:
ANY STEP LOCATIONS SHOWN ON THE FOUNDATION PLAN ARE APPROXIMATE - GENERAL CONTRACTOR SHALL FIELD VERIFY GRADES AROUND THE BUILDING AND LOCATE STEPS AS REQUIRED TO MAINTAIN MINIMUM FROST DEPTH AND ENSURE FOOTINGS ARE BELOW INCOMMING UTILITIES

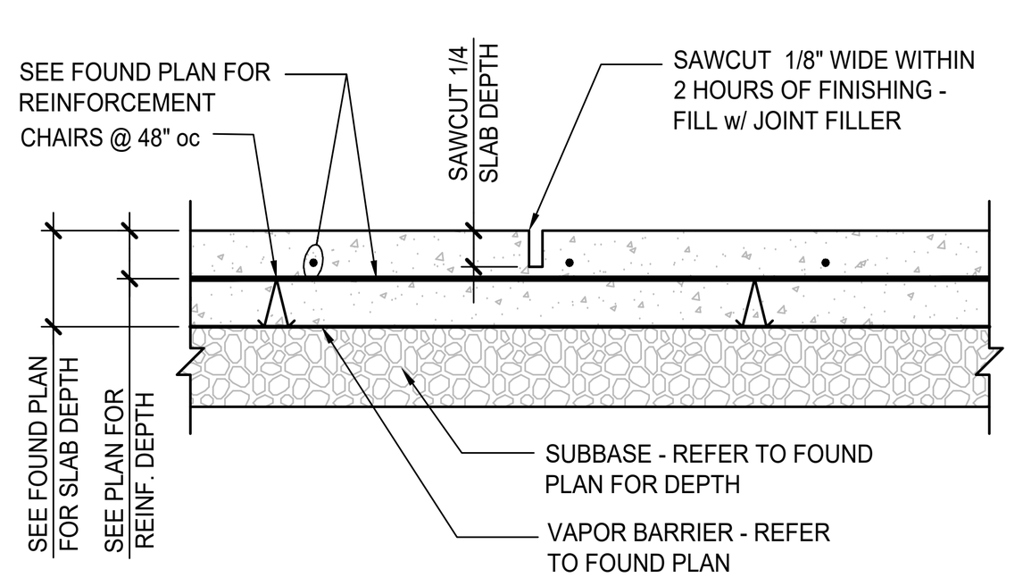
TYPICAL STEPPED FOOTING DETAIL

NOT TO SCALE (24)



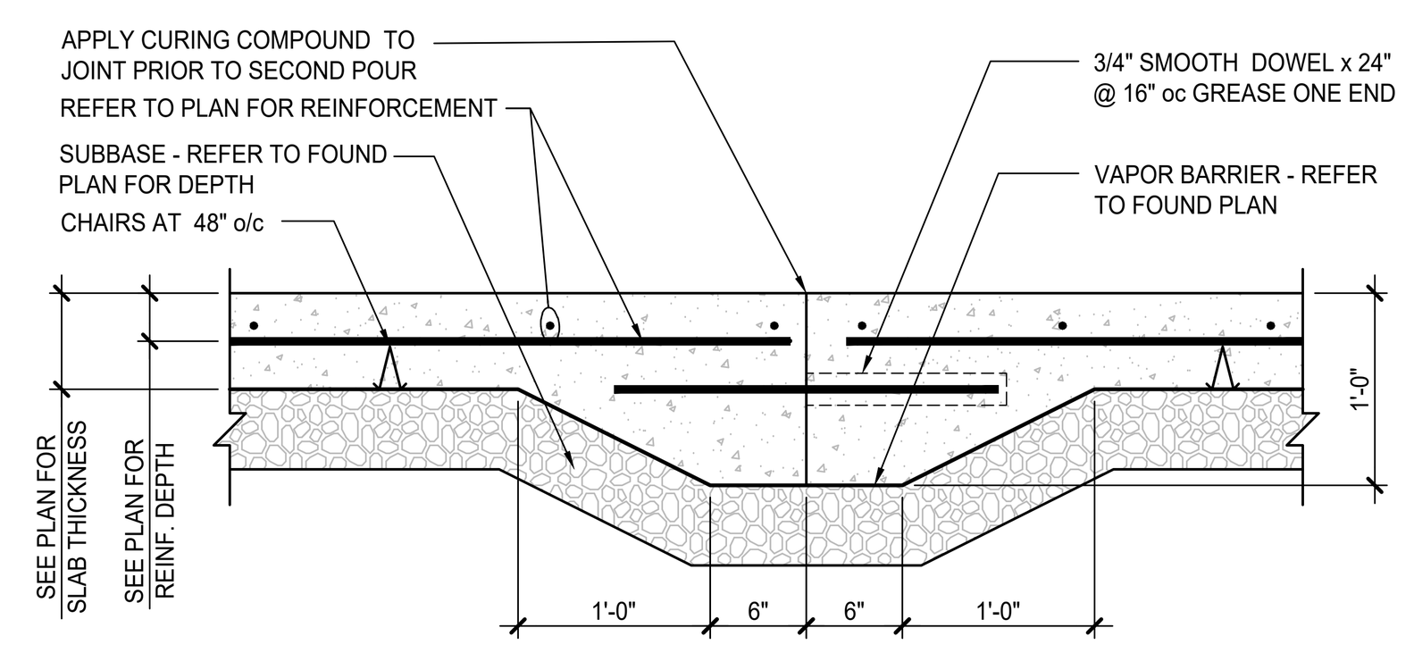
TYPICAL SLAB DETAILS

NOT TO SCALE (32)



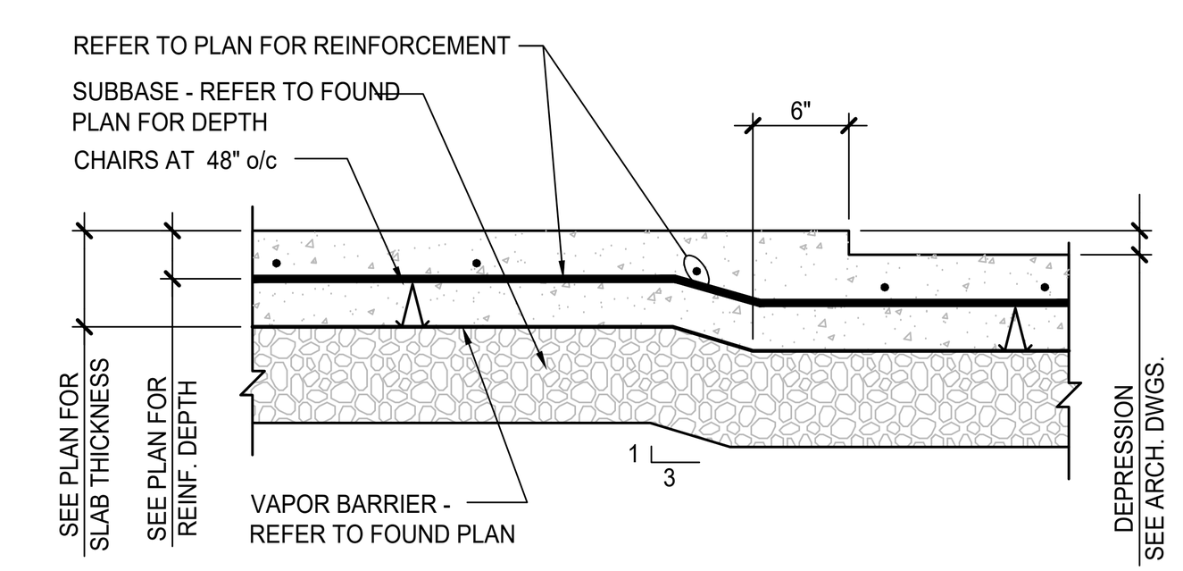
TYPICAL CONTROL JOINT DETAIL

NOT TO SCALE (12)



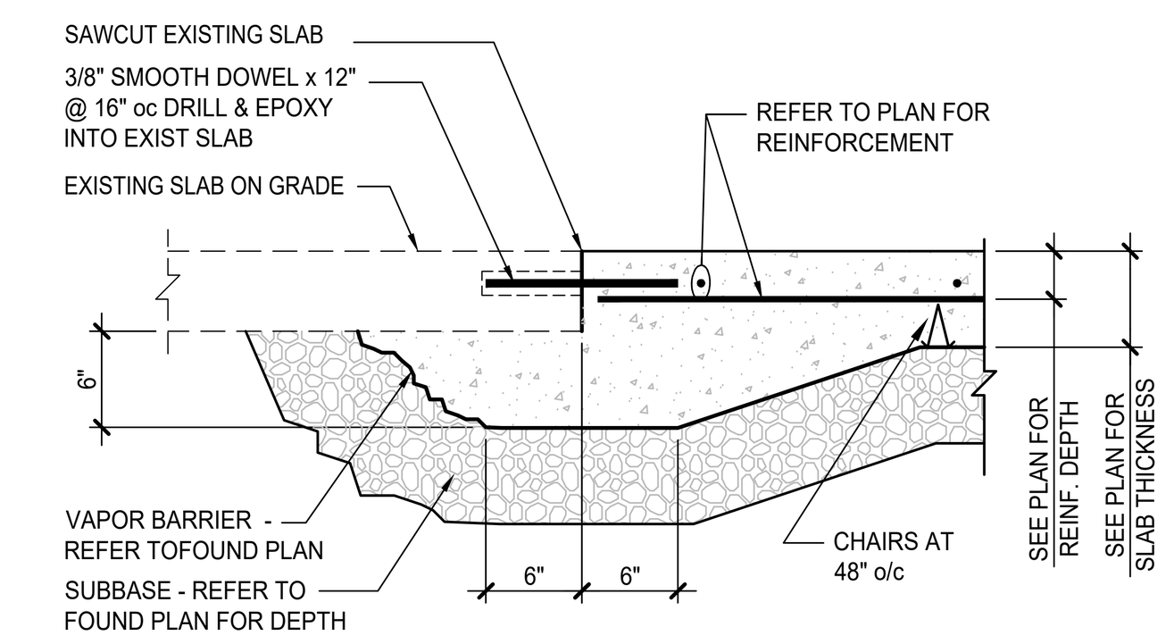
TYPICAL CONSTRUCTION JOINT DETAIL

NOT TO SCALE (12)



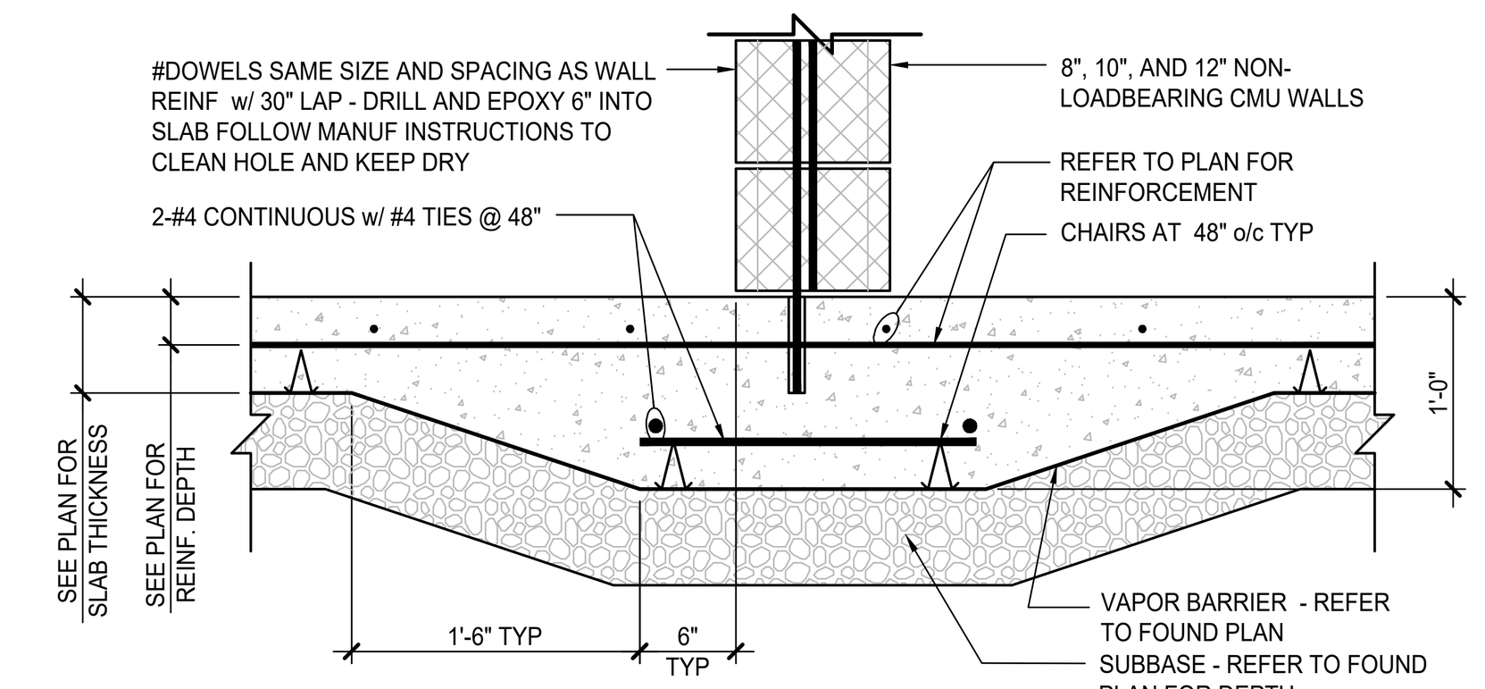
TYPICAL SLAB DEPRESSION DETAIL

NOT TO SCALE (12)



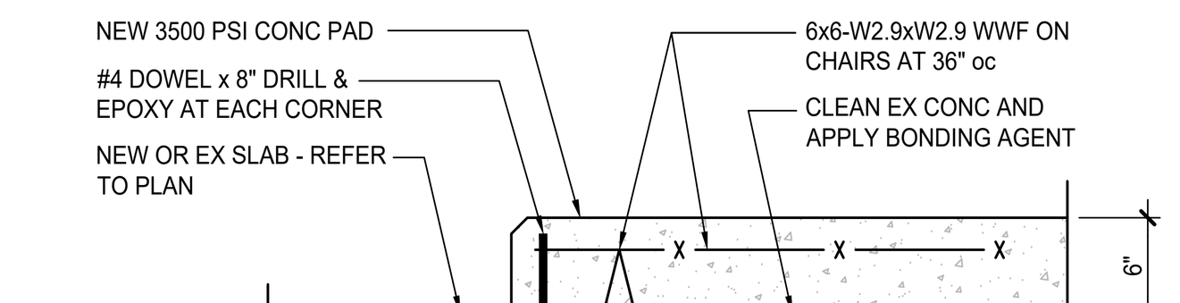
TYPICAL DETAIL AT EXISTING SLAB

NOT TO SCALE (12)



TYPICAL HAUNCHED SLAB DETAIL

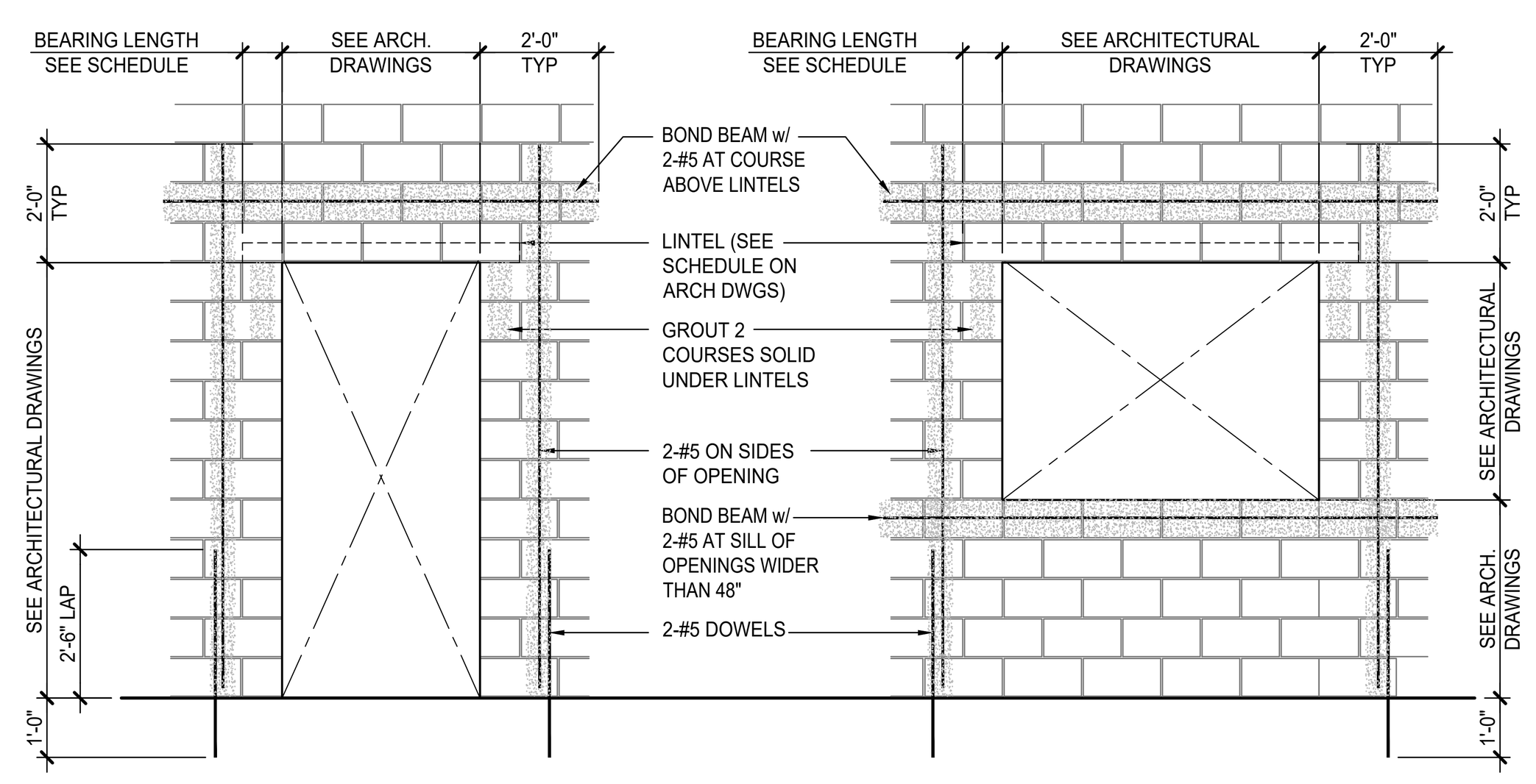
NOT TO SCALE (12)



REFER TO ARCH, KITCHEN, MECH, PLUMB, FIRE PROTECTION, & ELEC DWGS FOR LOACTIONS PADS TO BE APPROX. 12" LARGER THAN EQUIPMENT ALL AROUND, COORD. FINAL SIZE w/ TRADE CONSTRACTORS

TYPICAL INTERIOR HOUSEKEEPING PAD DETAIL

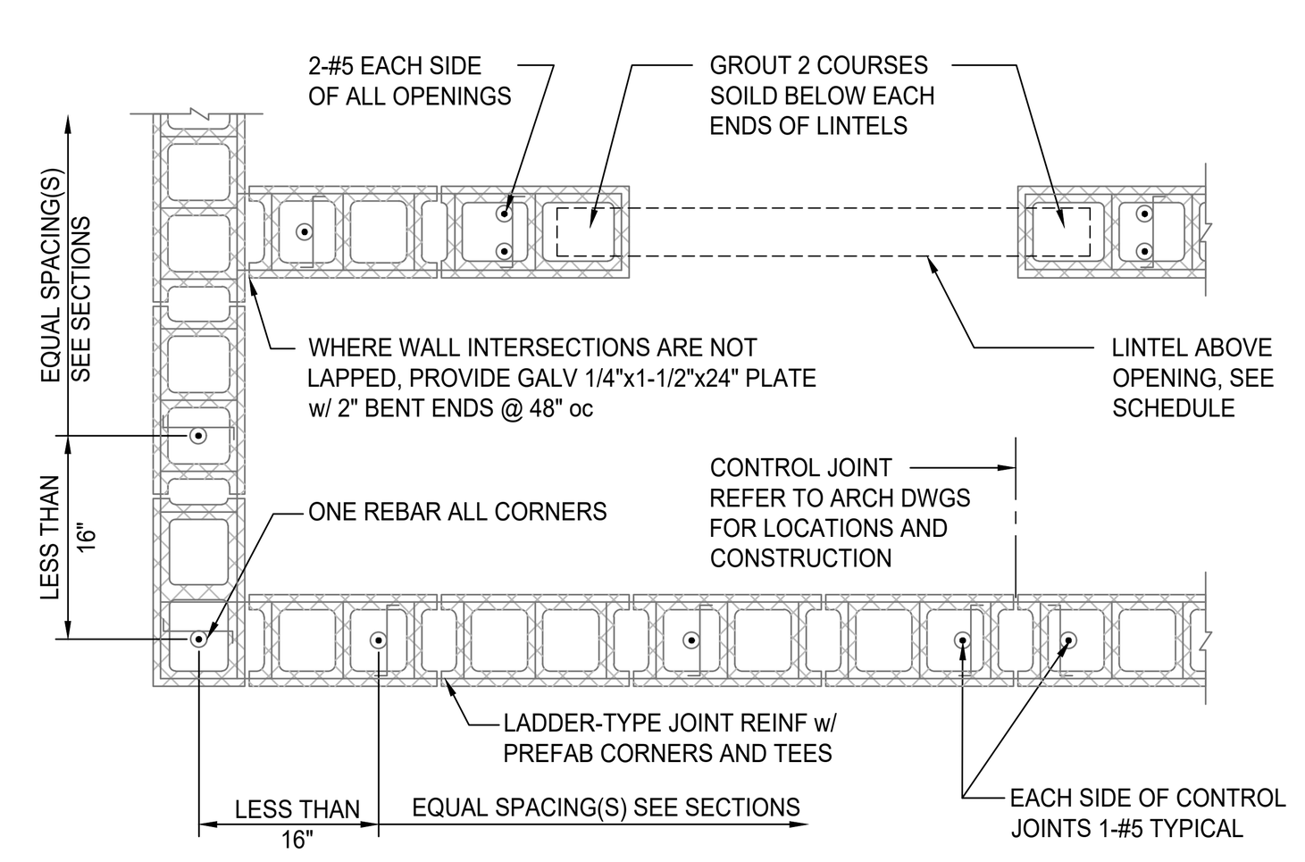
NOT TO SCALE (12)



TYPICAL MASONRY WALL OPENING DETAIL

NOT TO SCALE (32)

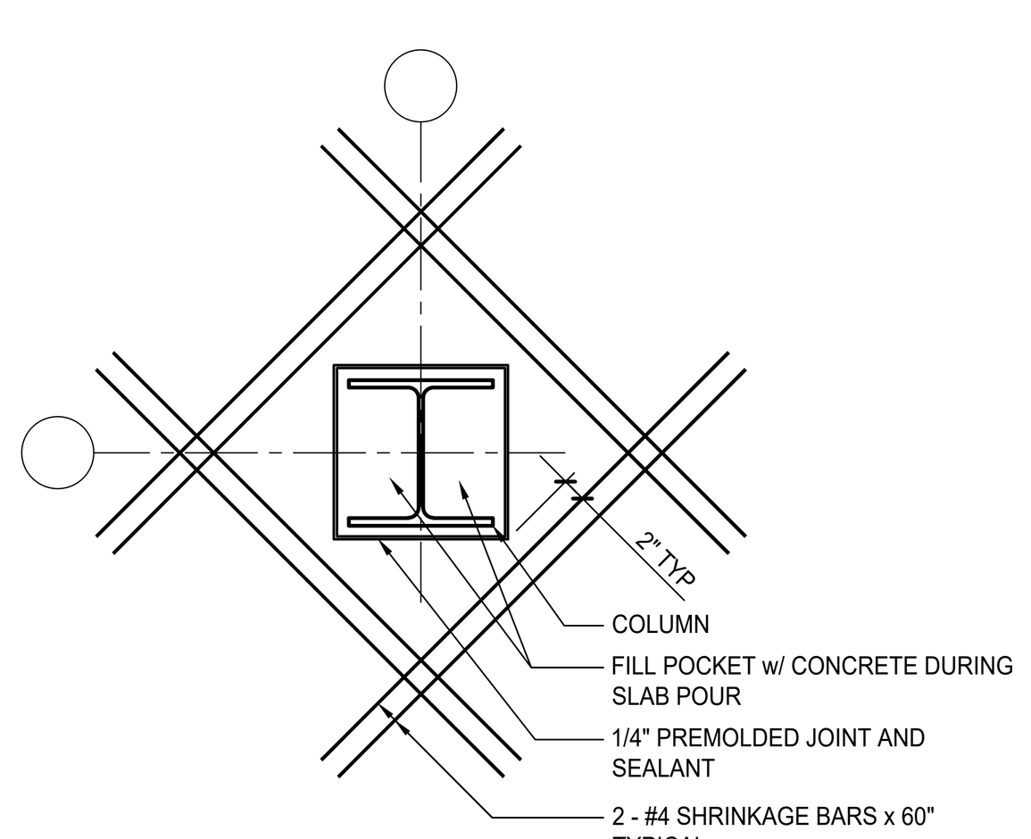
IF PRECAST LINTELS ARE USED, PROVIDE U-TYPE WITH NOTCHED ENDS FOR VERTICAL BARS TO PASS THRU



TYPICAL MASONRY WALL REINFORCING SCHEMATIC

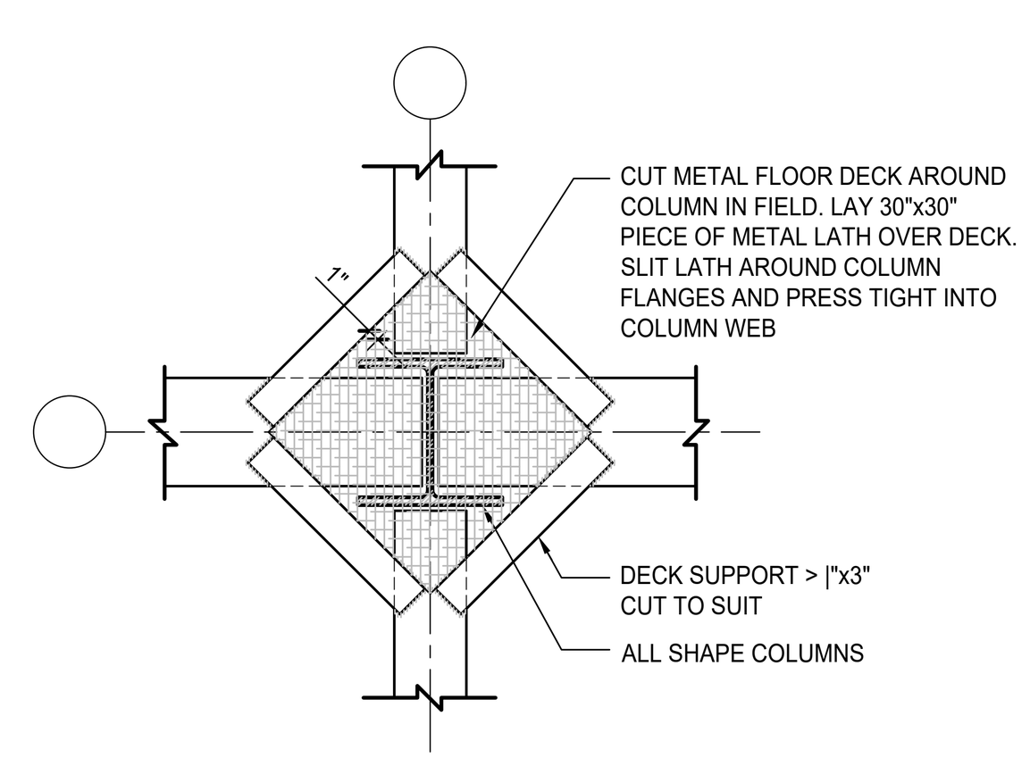
NOT TO SCALE (16)

1. USE REBAR POSITIONERS FOR ALL BARS
2. ALL REBAR TO BE SET IN 2000 PSI GROUT



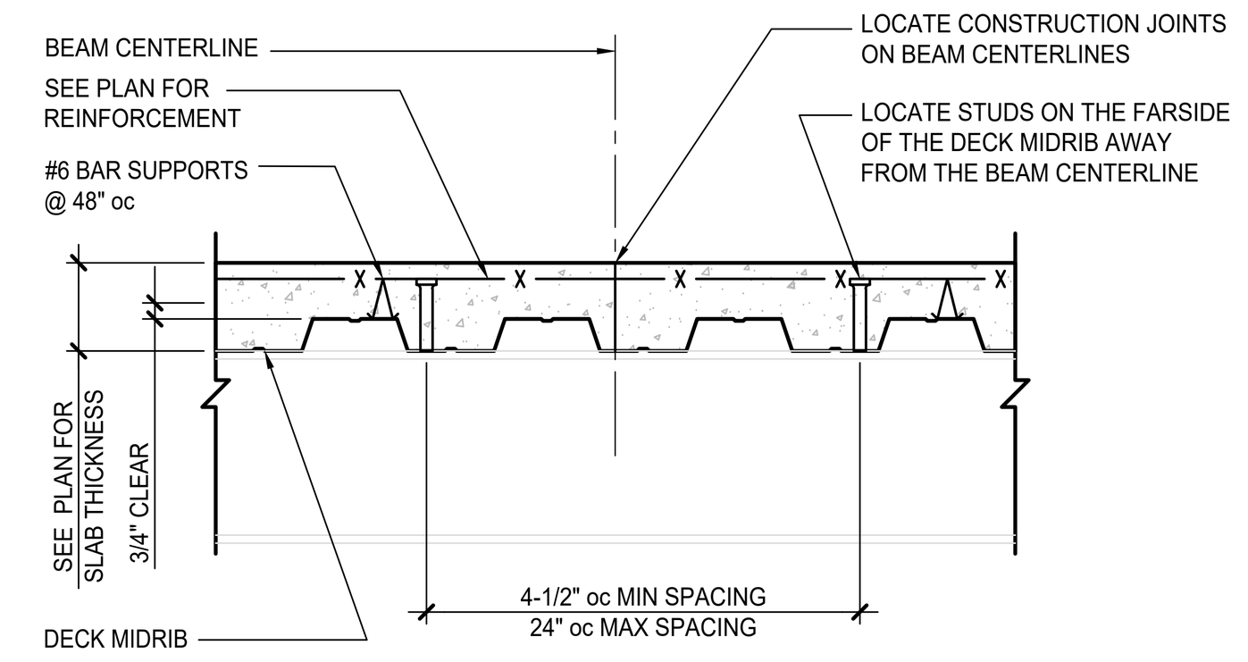
TYPICAL COLUMN ISOLATION JOINT AT ELEVATED SLABS

NOT TO SCALE (16)



TYPICAL DECK SUPPORT DETAIL - ALL FLOOR & ROOF COLUMNS

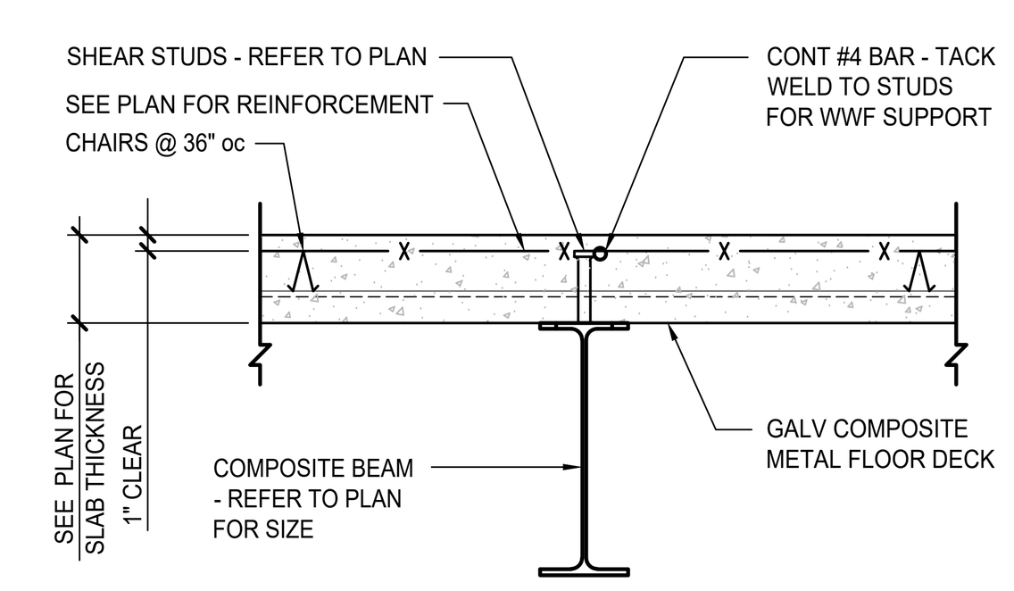
NOT TO SCALE (16)



TYPICAL ELEVATED COMPOSITE SLAB DETAIL

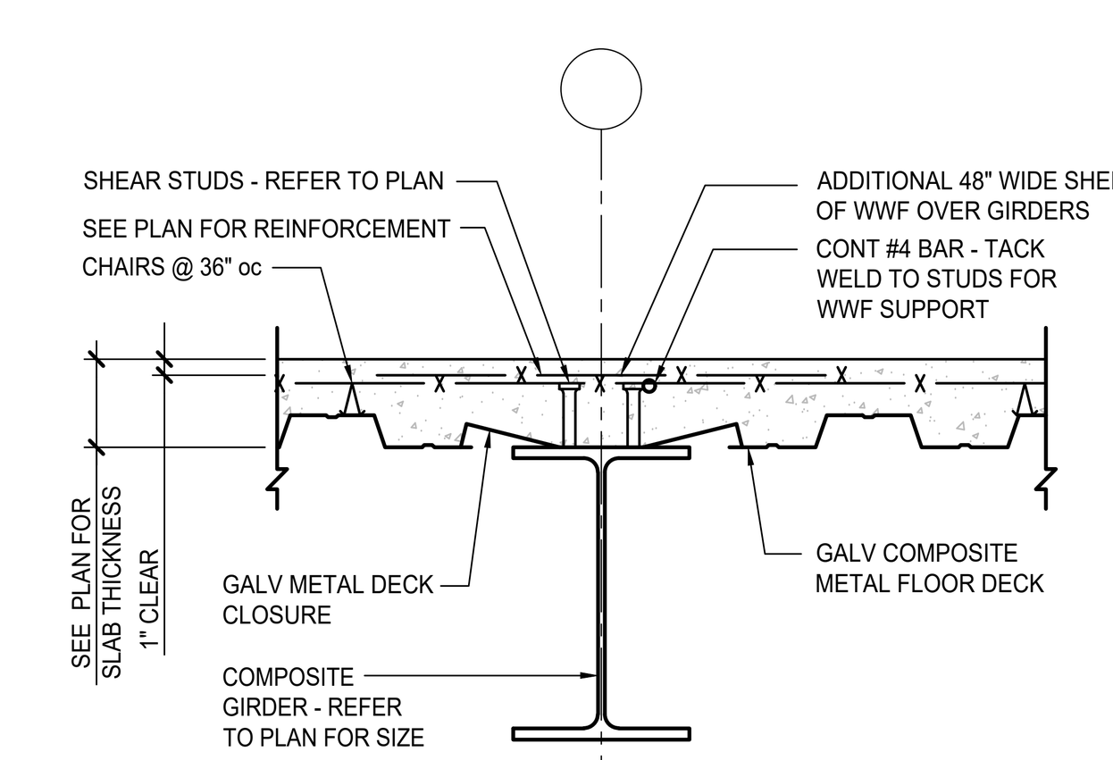
NOT TO SCALE (12)

NOTE: CONTROL JOINTS ARE NOT REQUIRED IN ELEVATED SLABS



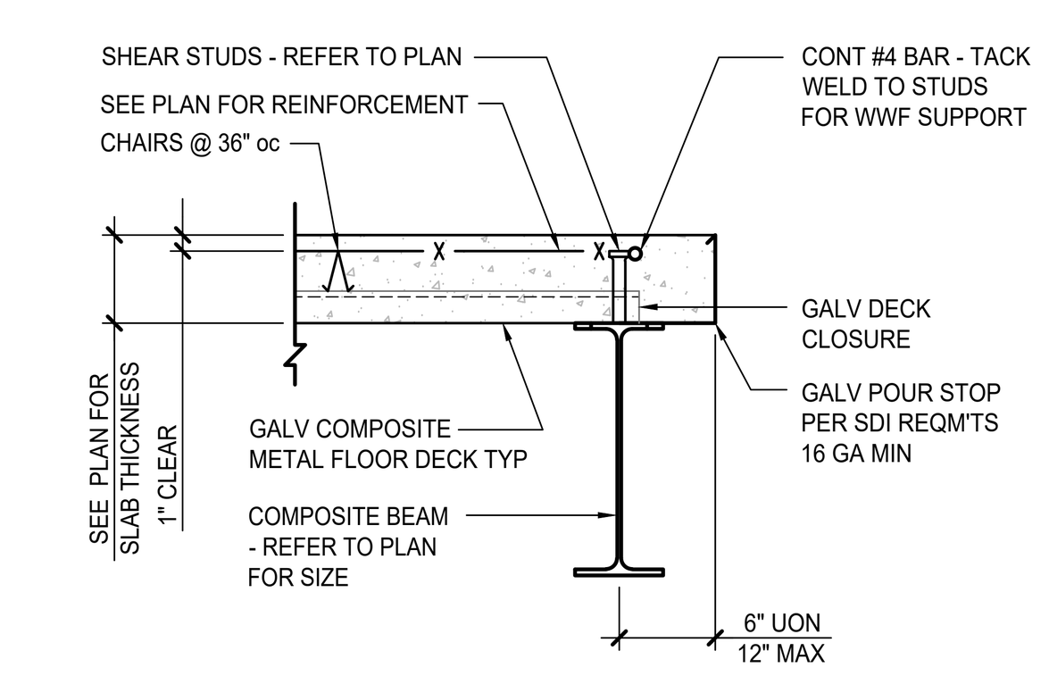
TYPICAL COMPOSITE BEAM DETAIL

NOT TO SCALE (12)



TYPICAL COMPOSITE GIRDER DETAIL

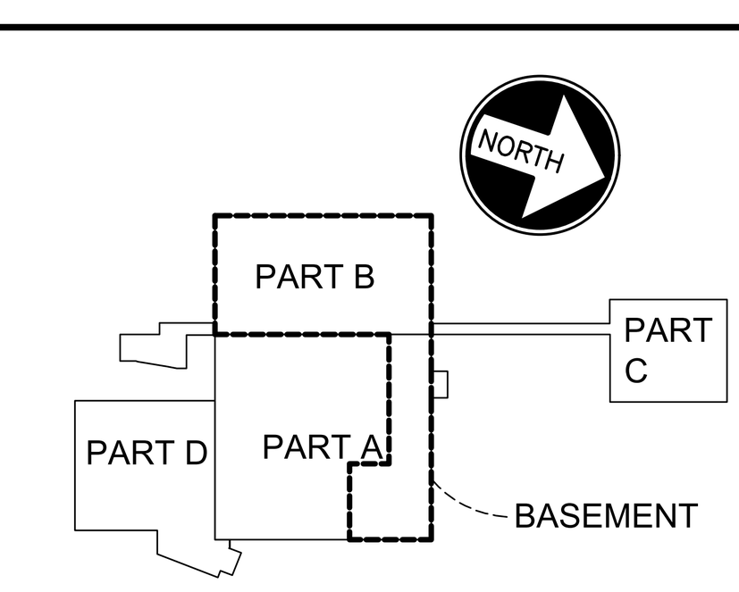
NOT TO SCALE (12)



TYPICAL INTERIOR SLAB OPENING DETAIL

NOT TO SCALE (12)

REVISIONS



KEY PLAN

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02-09-2026

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architecture | engineering | interior design

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PROJECT TITLE:

Vestal Central School District

201 Main Street | Vestal, NY 13850

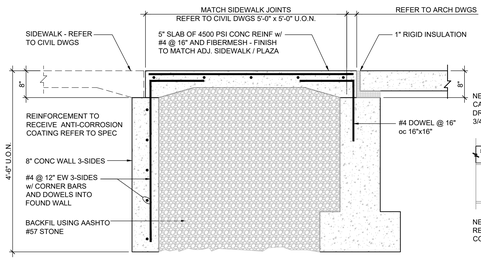
2022 Capital Project Phase 3

AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:

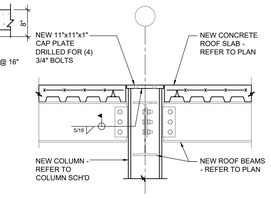
TYPICAL DETAILS

DRAWN BY: DJL	PROJECT NO.: 2025-151P
CHECKED BY: EDM	DRAWING NO.:
DATE: 02-09-2026	S-401



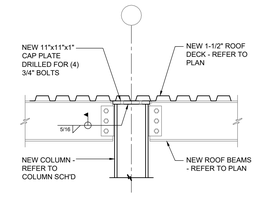
1B S-501 SECTION: SLAB AT DOORS

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



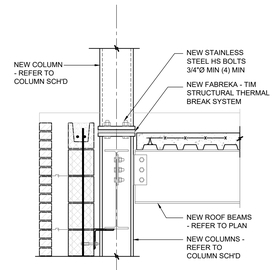
2A S-501 SECTION: FUTURE COLUMN

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



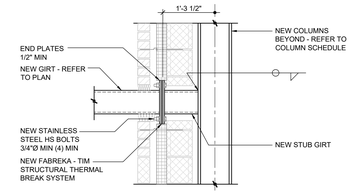
2B S-501 SECTION: FUTURE COLUMN

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



5A S-501 SCREENWALL COLUMN DETAIL

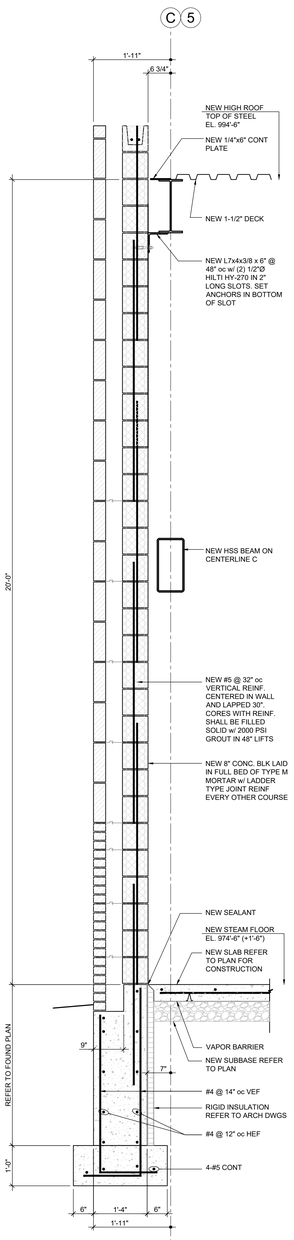
SCALE: 3/4" = 1'-0"



5B S-501 SCREENWALL GIRT CONNECTION

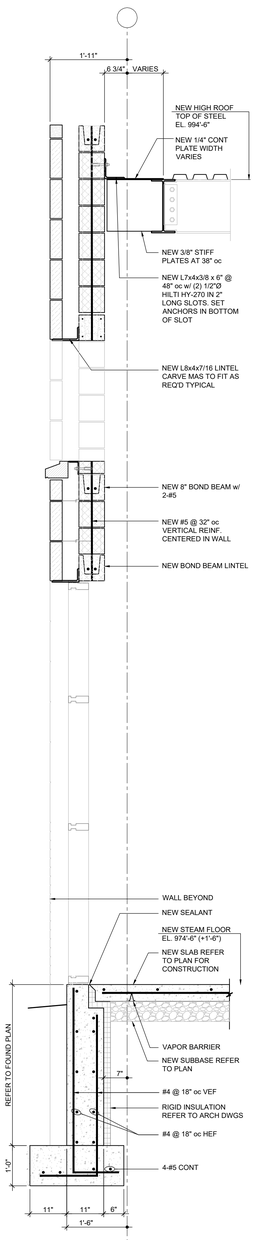
SCALE: 3/4" = 1'-0"

CONNECTIONS SHOWN ARE DIAGRAMMATIC AND SHALL BE DESIGNED BY FABRICATOR'S ENGINEER



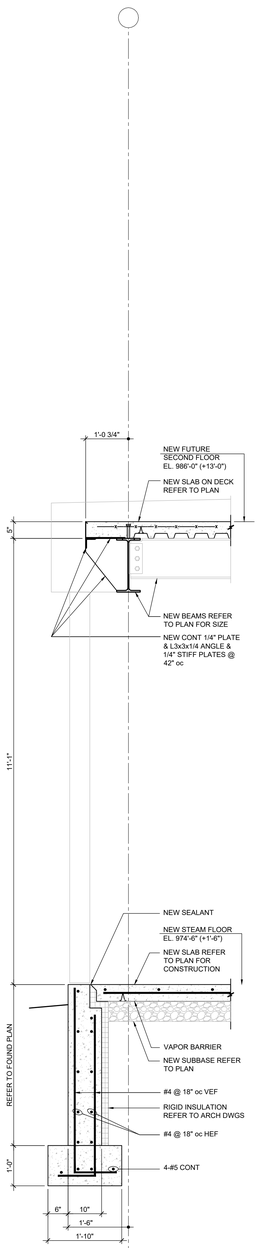
1 S-501 SECTION: MASONRY WALL

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



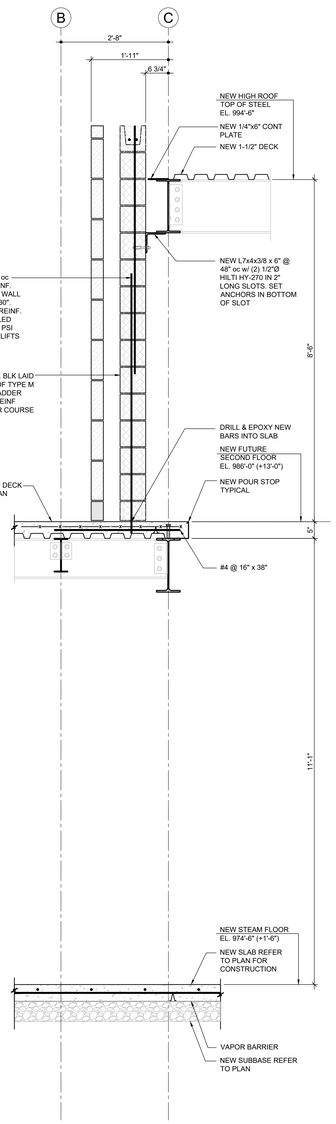
1A S-501 SECTION: WINDOWS

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



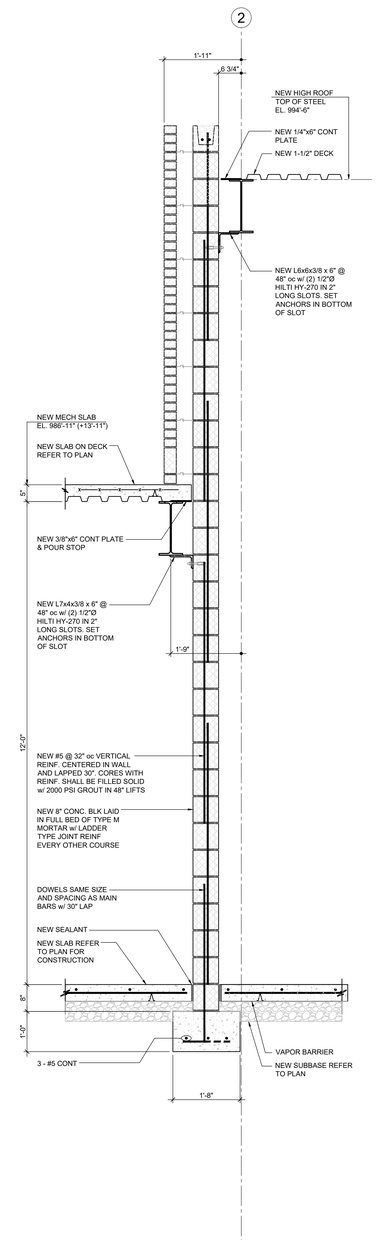
2 S-501 SECTION: CURTAINWALL

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



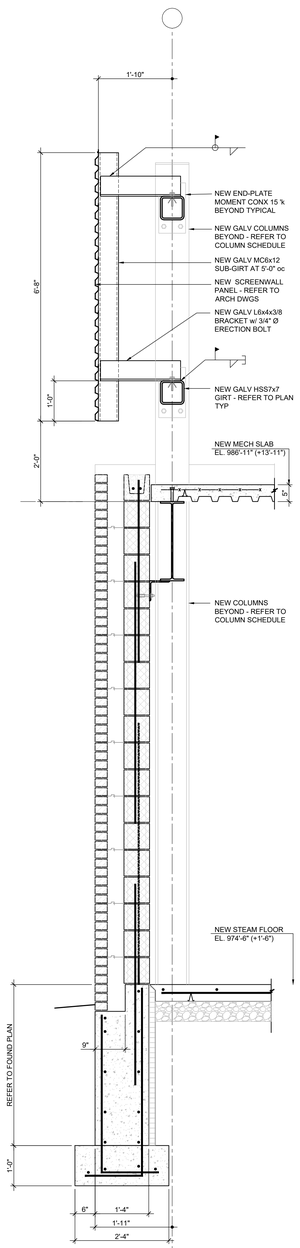
3 S-501 SECTION: SECOND FLOOR SLAB

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



4 S-501 SECTION: MECH ROOF

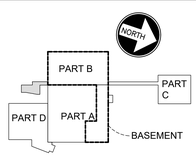
SCALE: 3/4" = 1'-0"



5 S-501 SECTION: SCREENWALL

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

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND
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architecture | engineering | interior design
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570-586-4334
www.highlandassociates.com
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PROJECT TITLE:

Vestal Central School District

201 Main Street | Vestal, NY 13850

2022 Capital Project Phase 3

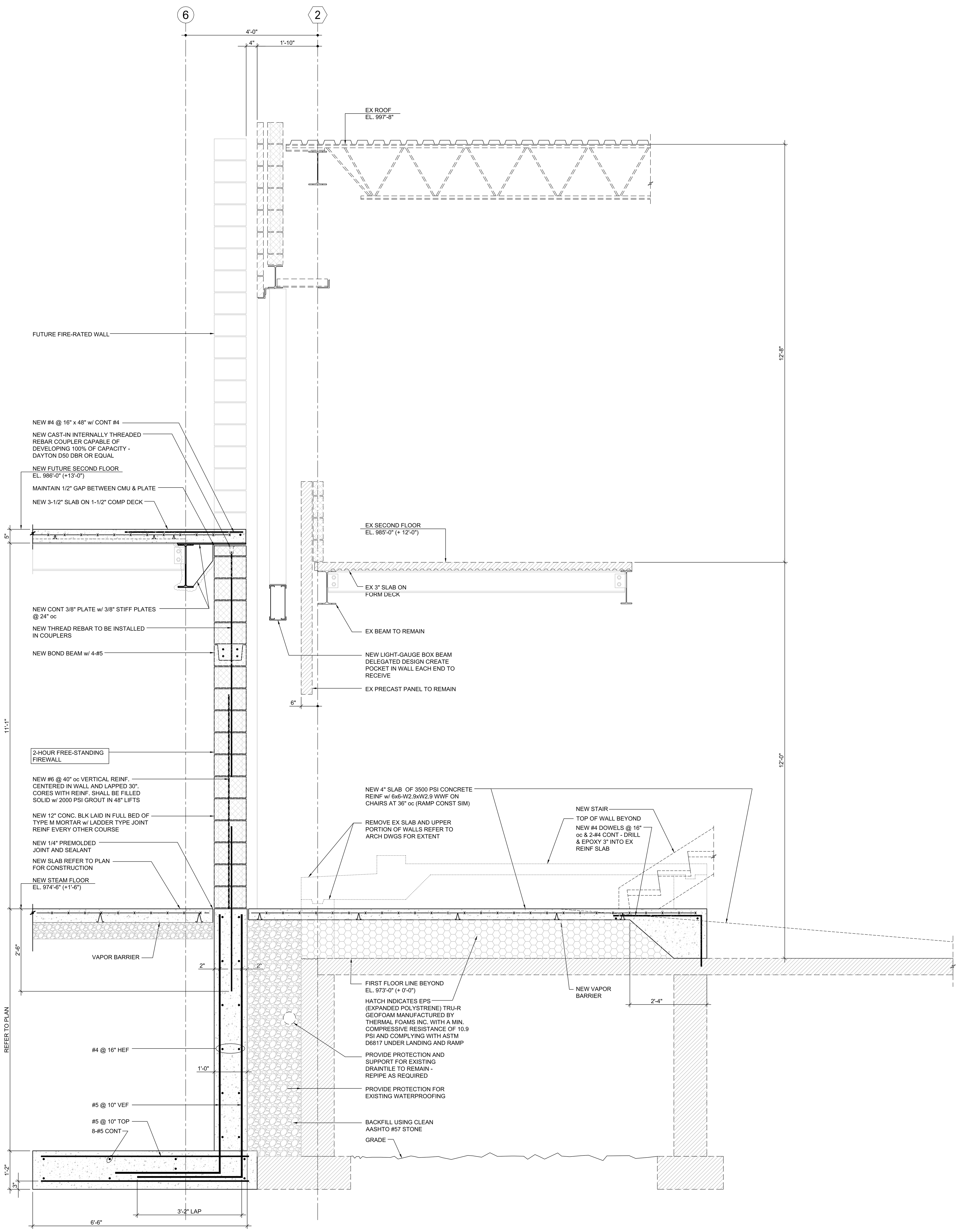
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:

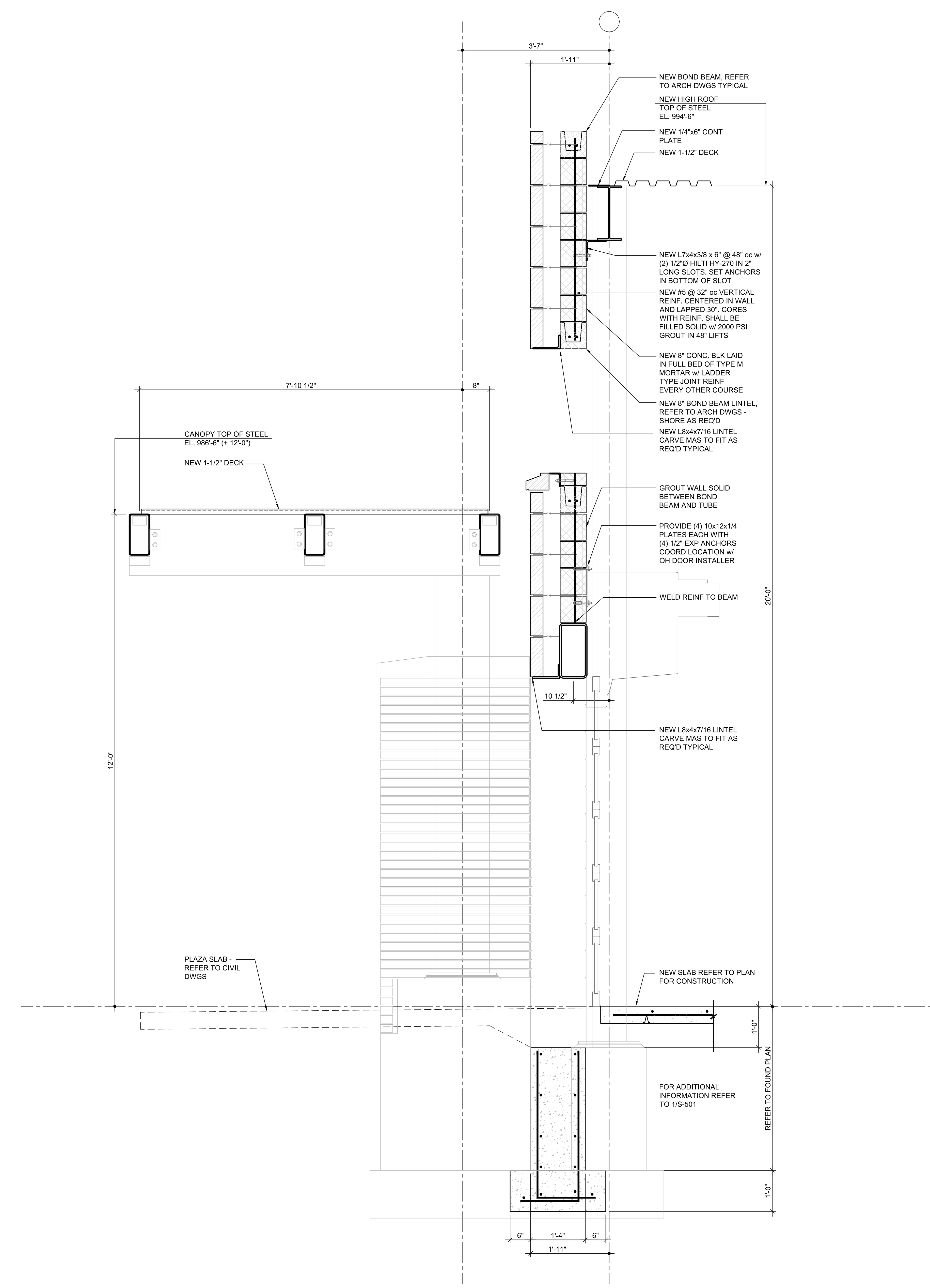
STRUCTURAL SECTIONS

DRAWN BY:	PROJECT NO.:
DJL	2025-151P
CHECKED BY:	DRAWING NO.:
EDM	S-501
DATE: 02-09-2026	

CAD FILE: S-501.DWG
PLOT DATE: 2/9/2026



1 S-502 **SECTION: FIREWALL**
SCALE: 3/4" = 1'-0"



2 S-502 **SECTION: CANOPY**
SCALE: 3/4" = 1'-0"

REVISIONS

NORTH

PART B
PART C
PART D
PART A
BASEMENT
KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND
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architecture | engineering | interior design
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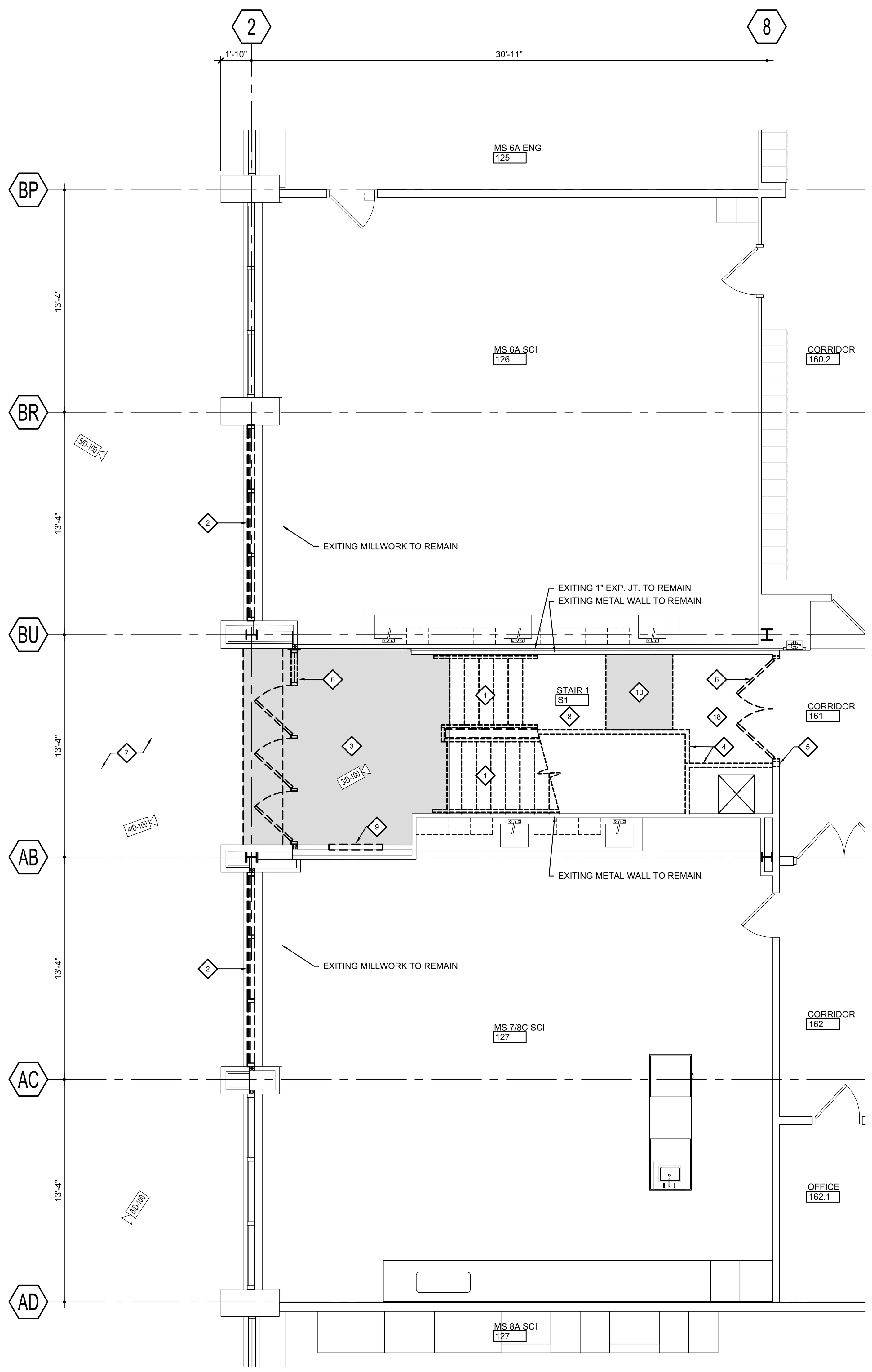
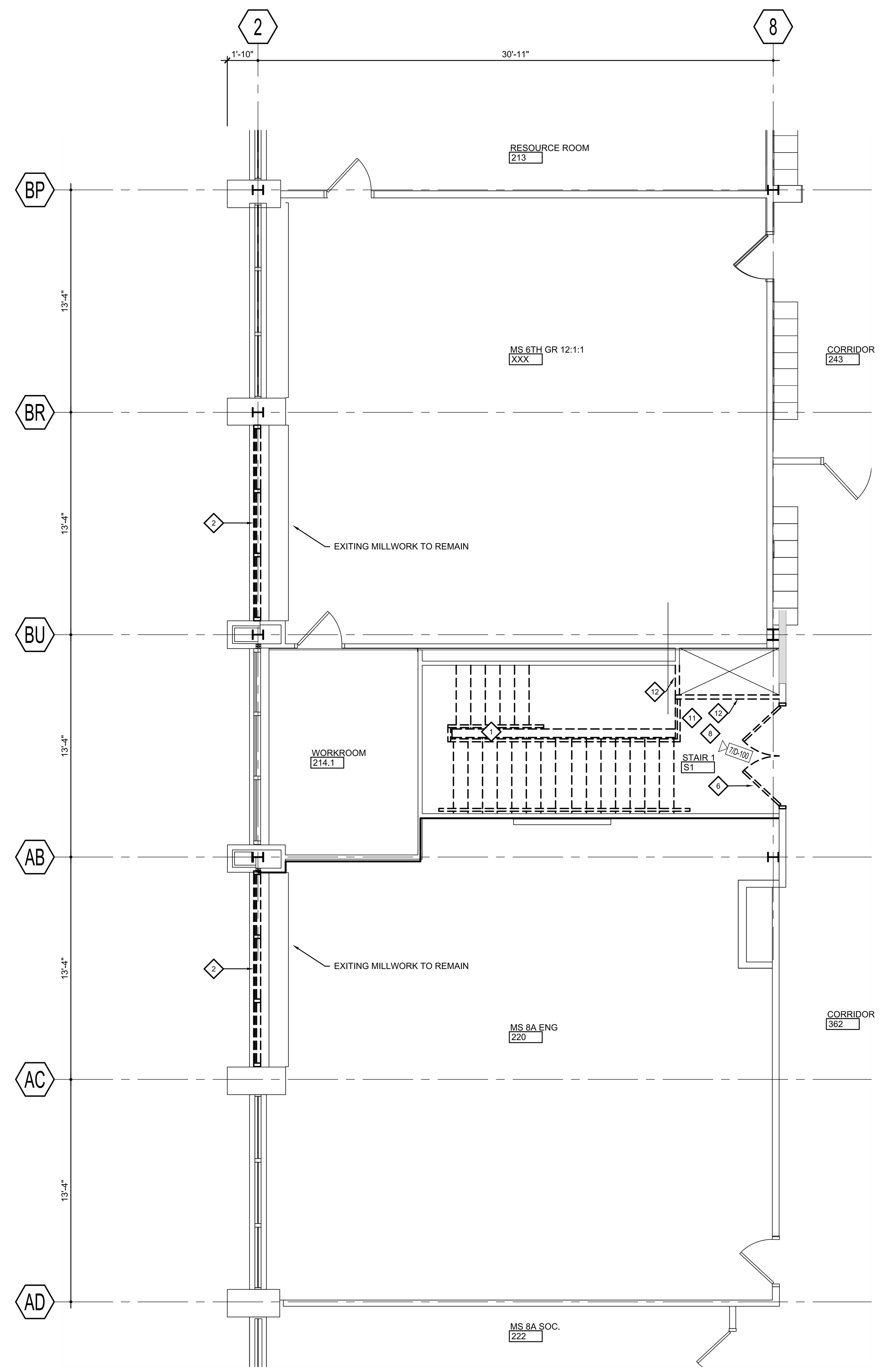
DRAWING TITLE:
STRUCTURAL SECTIONS

DRAWN BY:	PROJECT NO.:
DJL	2025-151P
CHECKED BY:	DRAWING NO.:
EDM	S-502
DATE: 02-09-2026	



1 D-100 PARTIAL FIRST FLOOR DEMOLITION PLAN

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



2 D-100 PARTIAL SECOND FLOOR DEMOLITION PLAN

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

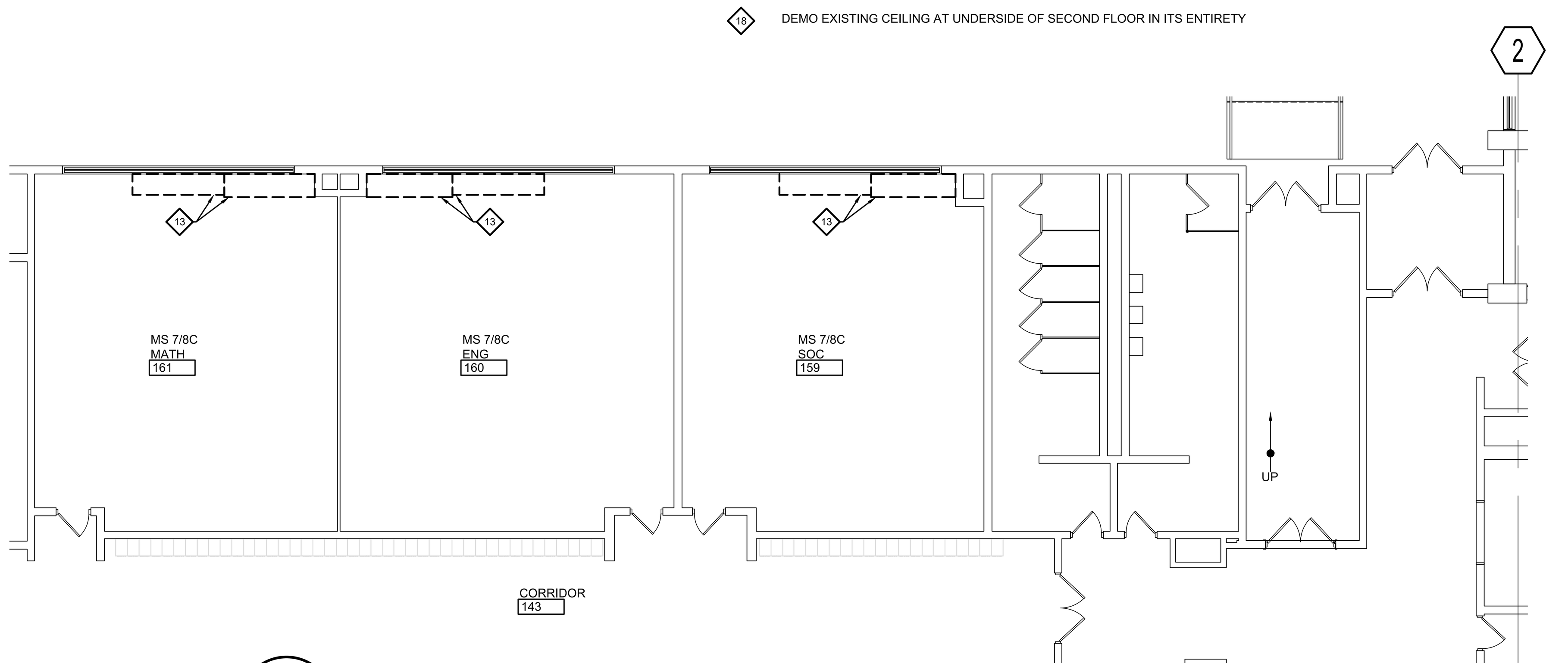
DEMO LEGEND

- INDICATES EXISTING WALL PARTITIONS TO REMAIN
- INDICATES DEMO SCOPE. SEE KEY NOTES FOR MORE INFORMATION WHERE APPLICABLE
- INDICATES EXISTING DOOR AND FRAME TO BE REMOVED IN ITS ENTIRETY
- INDICATES EXISTING DOOR AND FRAME TO REMAIN
- X INDICATES DEMO KEY NOTE
- XXX INDICATES ROOM NAME
- XXX PHOTO TAG

DEMOLITION KEY NOTES:

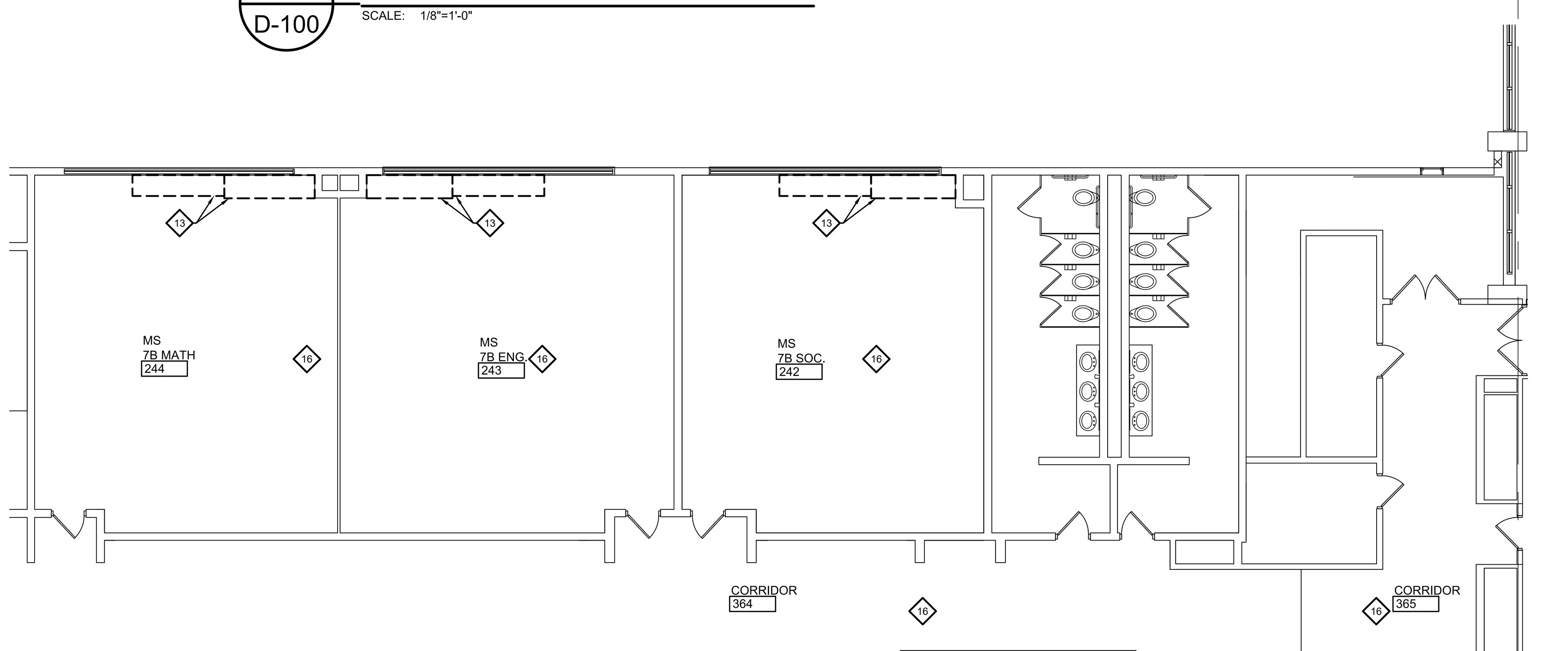
APPLICABLE TO THIS SHEET ONLY

1. REMOVE EXISTING STAIR IN ITS ENTIRETY AND PREPARE AREA TO RECEIVE NEW STAIR AND RAMP
2. REMOVE EXISTING WINDOW IN ITS ENTIRETY INCLUDING WINDOW SHADES
3. SHADED AREA INDICATES EXISTING ELEVATED FLOOR SLAB AND EXTERIOR CONCRETE AREA TO BE REMOVED TO ACCOMMODATE NEW LANDING ELEVATION. SAW CUT AND REMOVE SLAB AND SUPPORTING ELEMENTS BELOW SLAB AS REQUIRED. COORDINATE EXTENT WITH NEW WORK.
4. REMOVE EXISTING WALL BELOW STAIR IN ITS ENTIRETY.
5. REMOVE PORTION OF EXISTING WALL AS REQUIRED TO ACCOMMODATE NEW DOOR AND FRAME.
6. REMOVE EXISTING DOOR AND FRAME IN ITS ENTIRETY
7. EXCAVATE AS REQUIRED TO ACCOMMODATE NEW ADDITION. COORDINATE EXTENT WITH CIVIL DWGS.
8. REMOVE EXISTING FLOOR FINISH, WALL BASE AND ALL ADHESIVES. FLASH PATCH AND REPAIR SUB-FLOOR AND WALL BASE CONDITION AS REQUIRED FOR A SMOOTH/LEVEL AND PLUMB SURFACE TO RECEIVE NEW FLOOR FINISH AND WALL BASE.
9. EXISTING WALL HEATER TO BE REMOVED. SEE MECHANICAL DWGS.
10. GRIND MIN. $\frac{1}{2}$" OF EXISTING SLAB TO ALLOW FOR KEYWAY FOR NEW CONCRETE RAMP AT BASE OF RAMP. COORDINATE EXTENT WITH NEW WORK.
11. REMOVE PORTION OF EX. SLAB AS REQ'D. TO ACCOMMODATE STAIR REMOVAL. COORDINATE EXTENT WITH NEW WORK.
12. REMOVE EXISTING WALL IN ITS ENTIRETY. PREPARE AREA TO RECEIVE NEW WALL.
13. EXISTING UV AND ADJACENT CASEWORK TO BE REMOVED, REFER TO MECHANICAL DWGS.
14. NOT USED
15. NOT USED
16. REMOVE, SALVAGE, AND REINSTALL EXISTING CEILING TILES GRID AS REQ'D TO ACCOMMODATE NEW HVAC LINES. COORDINATE WITH MECHANICAL DWGS.
17. REMOVE EXISTING ROOFING AS REQUIRED TO ACCOMMODATE NEW DUNNAGE/CHILLER AND TO ALLOW FO R NEW ROOF EDGE PROTECTION POSTS TO BE WELDED TO EXISTING STEEL JOISTS. PATCH AND REPAIR AS REQUIRE TO MAINTAIN WEATHER TIGHT AND ANY WARRANTY IN EFFECT. SEE MECHANICAL DRAWINGS.
18. DEMO EXISTING CEILING AT UNDERSIDE OF SECOND FLOOR IN ITS ENTIRETY



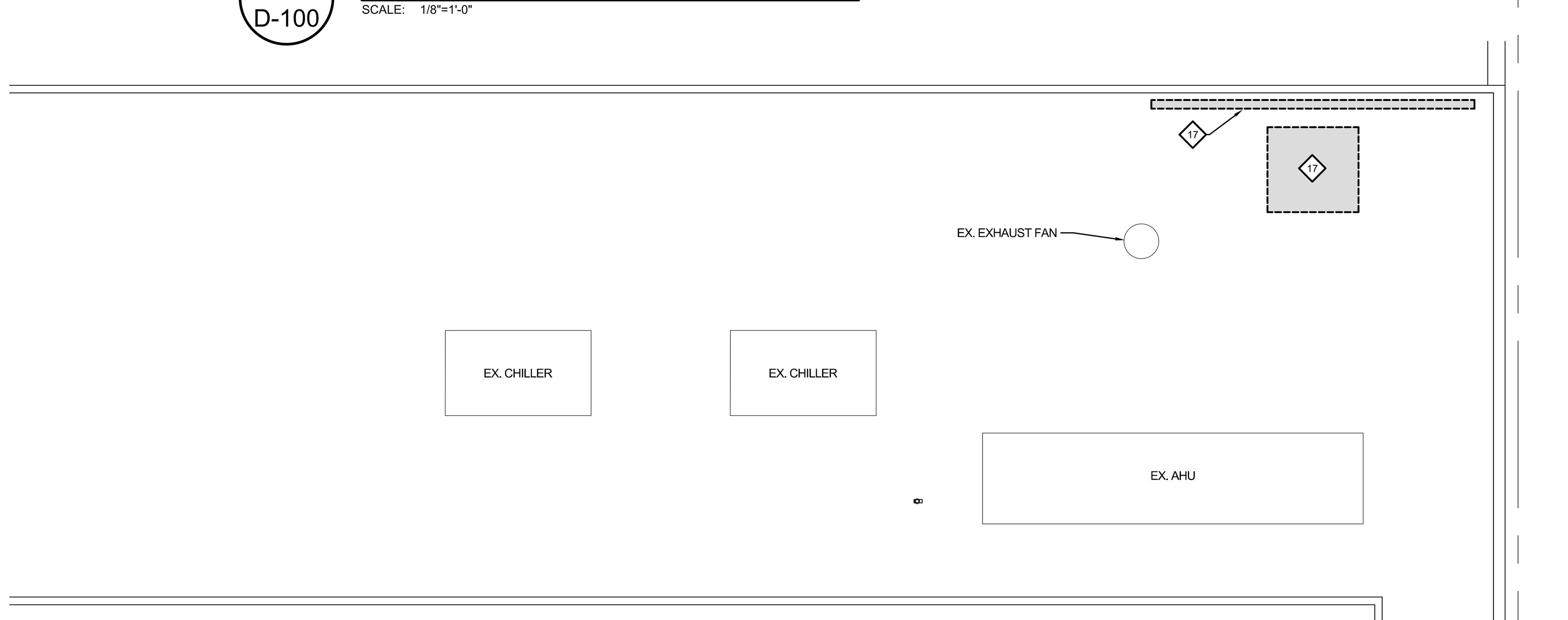
8 D-100 PARTIAL FIRST FLOOR PLAN

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



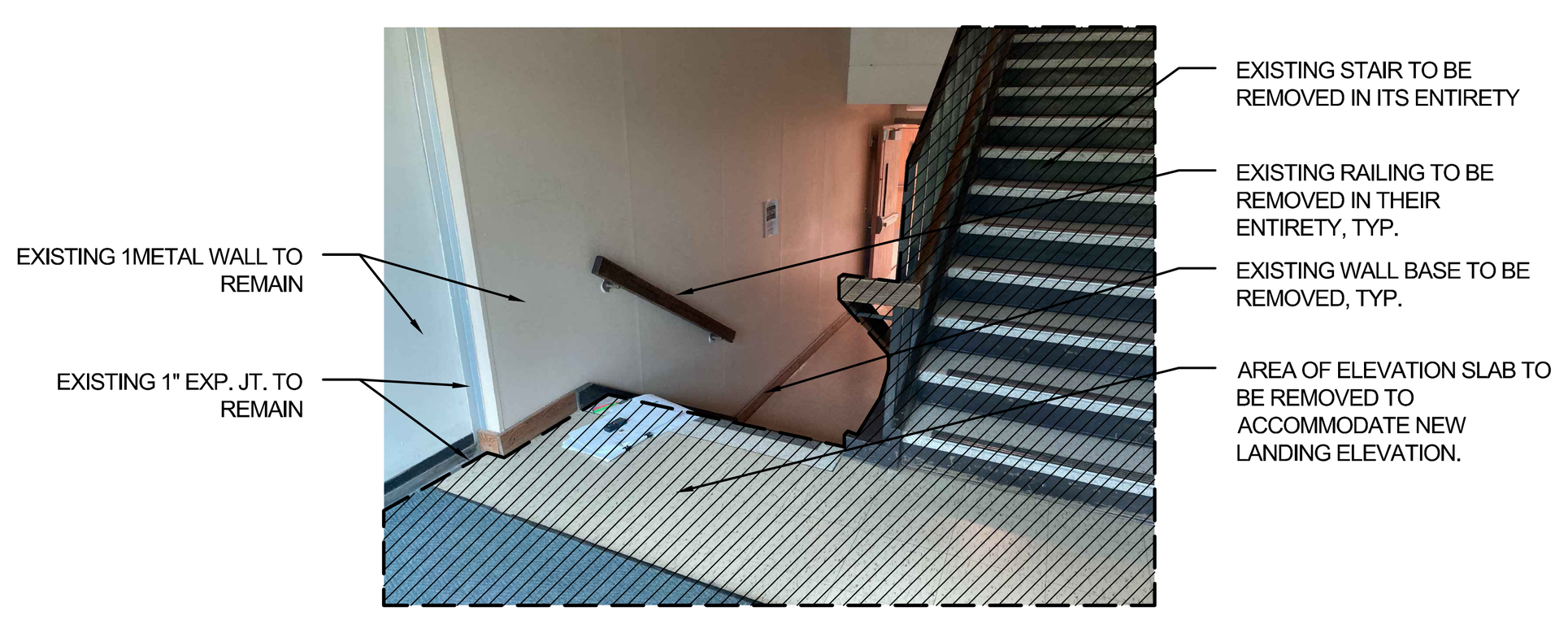
9 D-100 PARTIAL SECOND FLOOR PLAN

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



10 D-100 PARTIAL ROOF PLAN

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



3 D-100 EXISTING PHOTOGRAPH

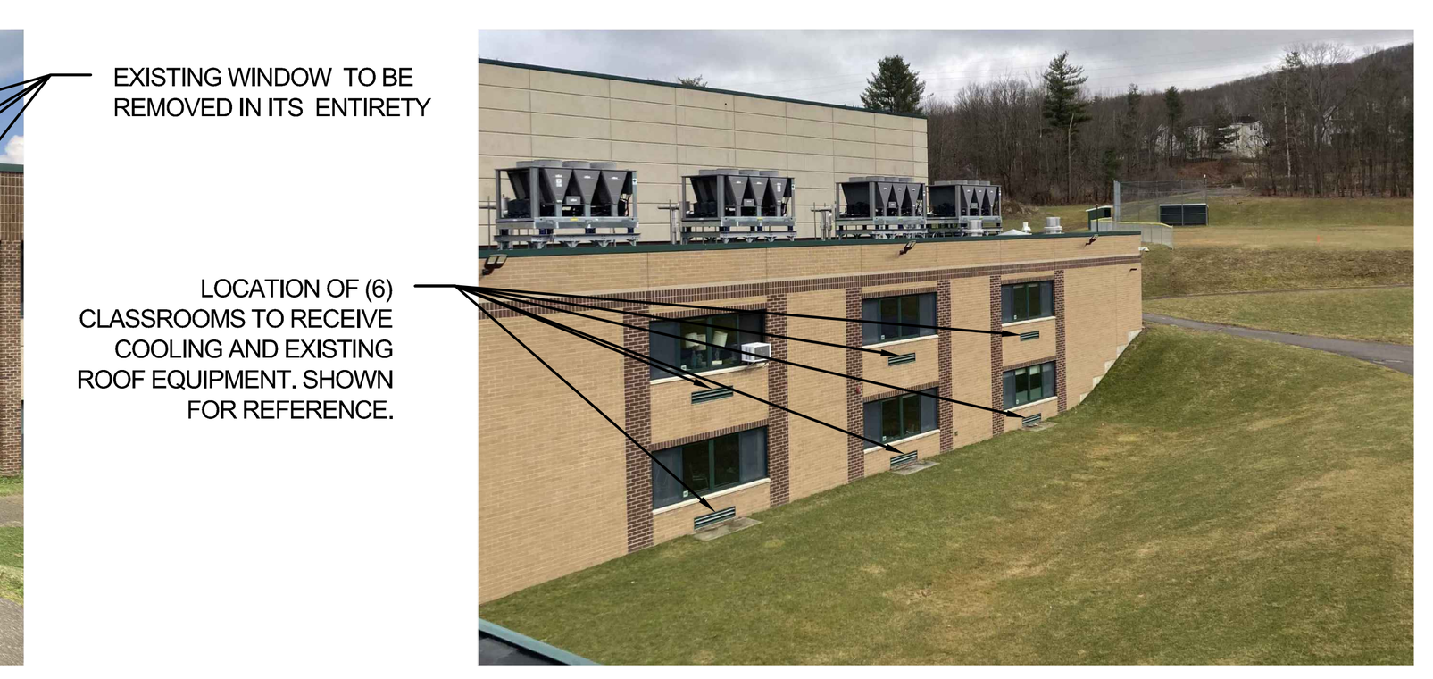
SCALE: NTS

4 D-100 EXISTING PHOTOGRAPH

SCALE: NTS

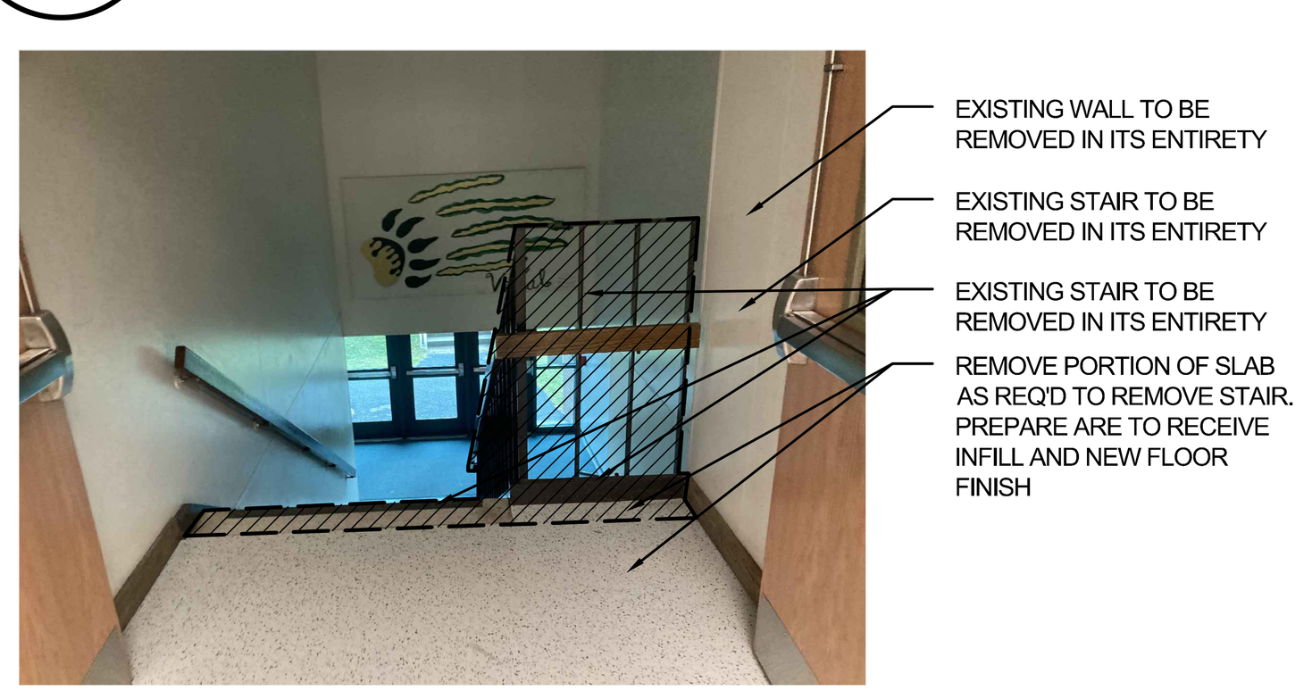
5 D-100 EXISTING PHOTOGRAPH

SCALE: NTS



6 D-100 EXISTING PHOTOGRAPH

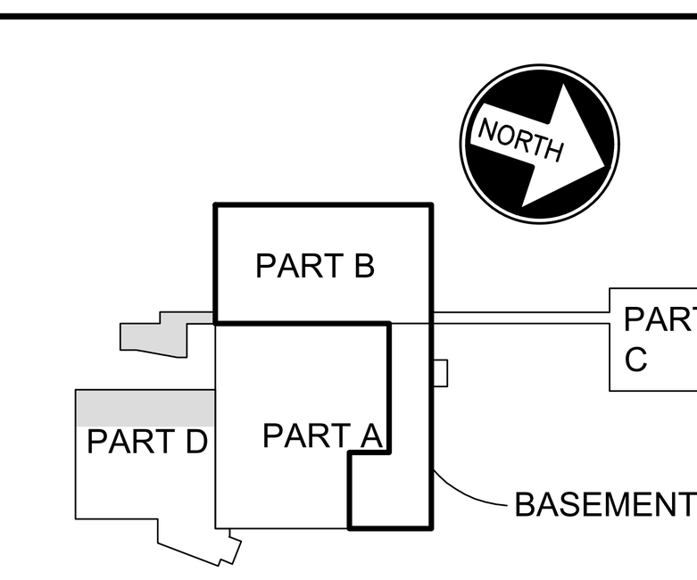
SCALE: NTS



7 D-100 EXISTING PHOTOGRAPH

SCALE: NTS

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND ASSOCIATES
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570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:

Vestal Central School District
201 Main Street | Vestal, NY 13850

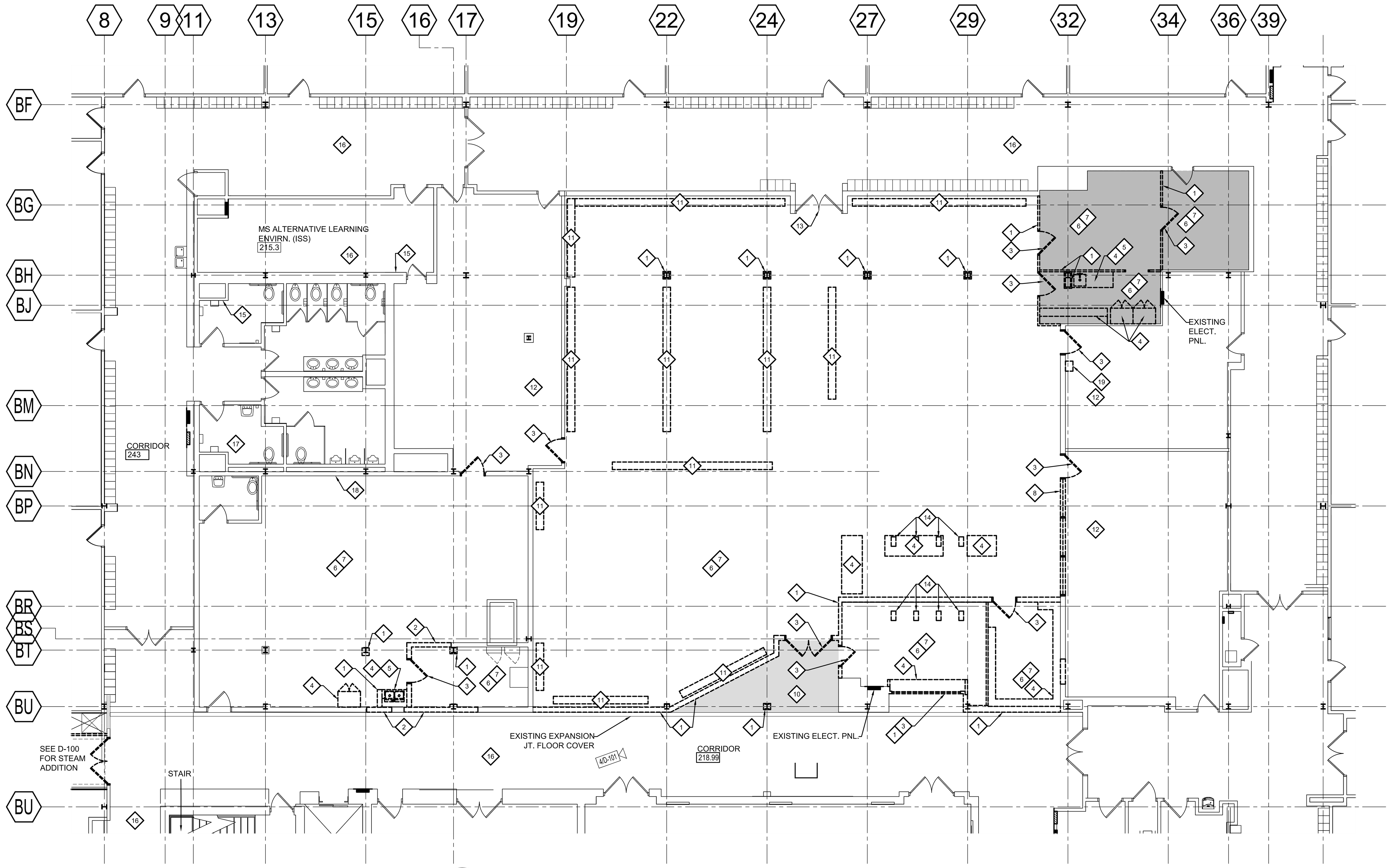
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:

PARTIAL DEMOLITION PLANS (STEAM ADDITION)

DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: DM	DRAWING NO.:
DATE: 02-09-2026	D-100

CAD FILE: 5151-D-100.DWG
PLOT DATE: 2/4/2026



1 D-101 PARTIAL SECOND FLOOR DEMOLITION PLAN
SCALE: 1/8"=1'-0"

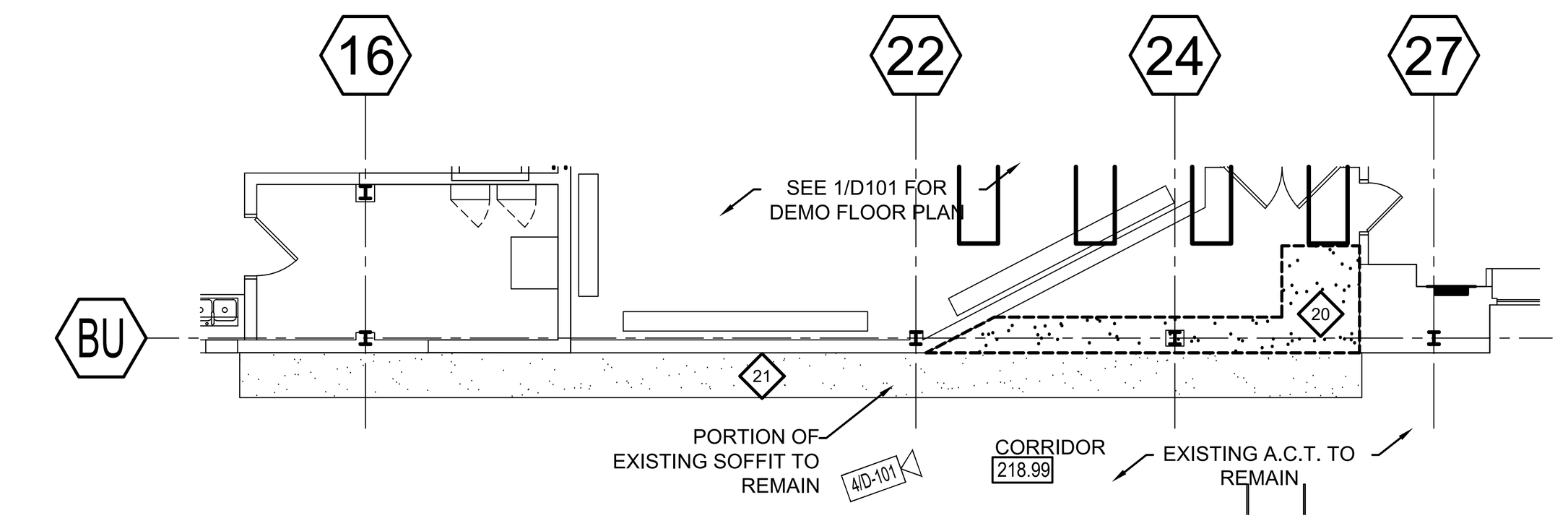
DEMO LEGEND

- INDICATES EXISTING WALL TO BE REMOVED IN ITS ENTIRETY
- INDICATES EXISTING WALL PARTITIONS TO REMAIN
- INDICATES DEMO SCOPE. SEE KEY NOTES FOR MORE INFORMATION WHERE APPLICABLE
- INDICATES EXISTING DOOR AND FRAME TO BE REMOVED IN ITS ENTIRETY
- INDICATES EXISTING DOOR AND FRAME TO REMAIN
- X — INDICATES DEMO KEY NOTE
- XXX — INDICATES ROOM NAME
- XXX — PHOTO TAG
- SHADED AREA INDICATES FLOOR TILE ABATEMENT TO BE REMOVED IN ITS ENTIRETY. REFER TO ABATEMENT DRAWINGS

DEMOLITION KEY NOTES:

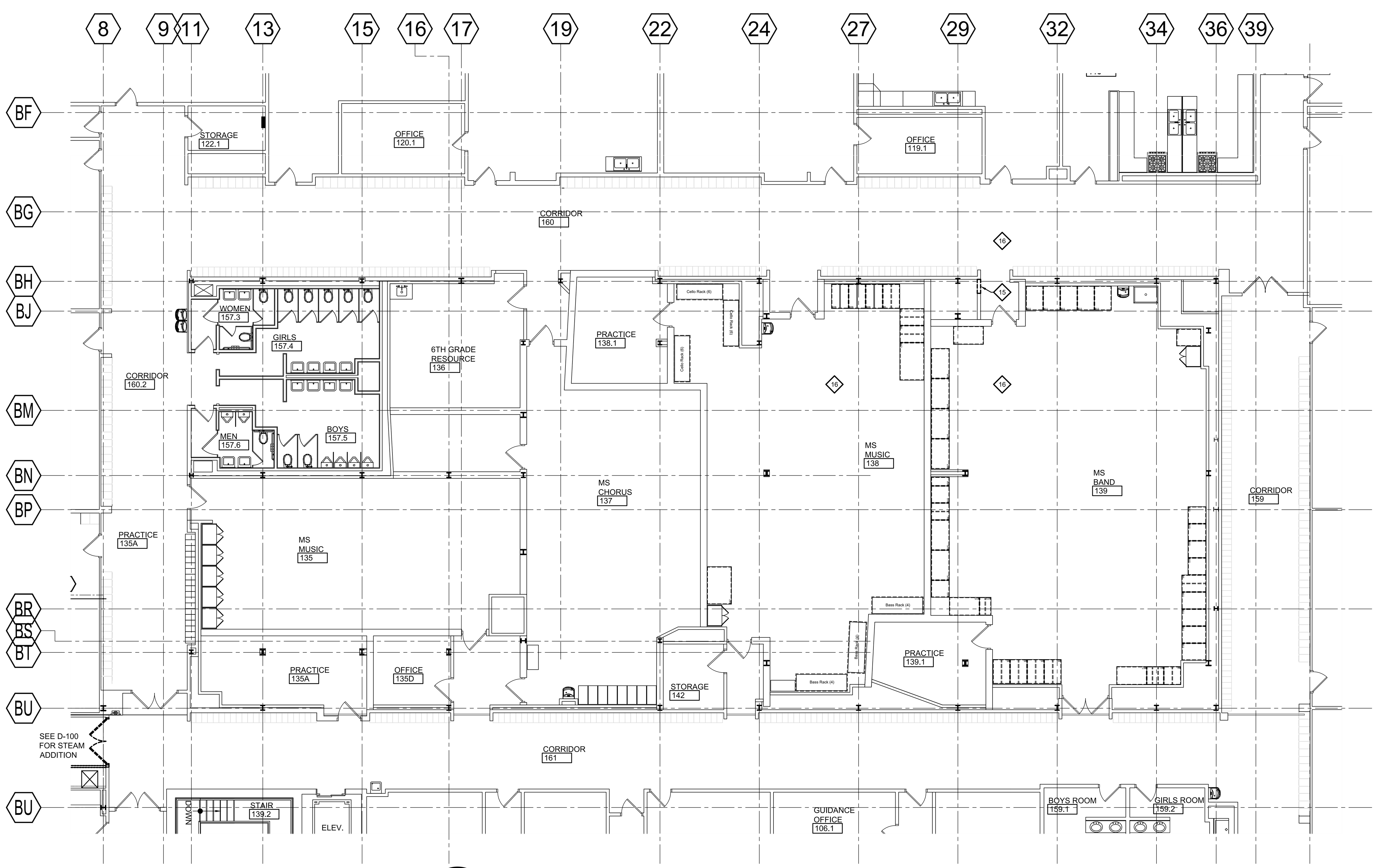
APPLICABLE TO THIS SHEET ONLY

1. REMOVE EXISTING WALL IN ITS ENTIRETY
2. REMOVE PORTION OF EXISTING WALL, COORDINATE WITH NEW WORK
3. REMOVE EXISTING DOOR AND FRAME IT ITS ENTIRETY
4. REMOVE EXISTING MILLWORK IN ITS ENTIRETY
5. REMOVE SINK IN ITS ENTIRETY, COORDINATE WITH PLUMBING
6. REMOVE EXISTING FLOOR FINISH, WALL BASE AND ALL ADHESIVES. FLASH PATCH AND REPAIR SUB-FLOOR AND WALL BASE CONDITION AS REQUIRED FOR A SMOOTH/LEVEL AND PLUMB SURFACE TO RECEIVE NEW FLOOR FINISH AND WALL BASE.
7. REMOVE EXISTING ACT AND GRID CEILING IN ITS ENTIRETY
8. REMOVE EXISTING WINDOW AND PREPARE AREA FOR WALL INFILL AT EXISTING OPENING
9. REMOVE EXISTING COIL DOOR IN IT ENTIRETY
10. SHADED AREA INDICATES AREA OF REMOVAL OF EXISTING FLOOR FINISH, WALL BASE AND ALL ADHESIVES. FLASH PATCH AND REPAIR SUB-FLOOR AND WALL BASE CONDITION AS REQUIRED FOR A SMOOTH/LEVEL AND PLUMB SURFACE TO RECEIVE NEW FLOOR FINISH AND WALL BASE.
11. REMOVE AND DISPOSE EXISTING LIBRARY SHELVING
12. REMOVE AND REINSTALL CEILING AS REQUIRED TO ACCOMMODATE WALL HEIGHT EXTENSION TO UNDERSIDE OF DECK. CUT AND MODIFY TILE AND PROVIDE NEW WALL ANGLE/GRID AS REQUIRED TO ACCOMMODATE PARTITION MODIFICATION TO MATCH EXISTING.
13. EXISTING DOOR TO BE MODIFIED WITH NEW HARDWARE. REFER TO SPECS AND DAY AUTOMATION INFORMATION
14. PROVIDE FLOOR PENETRATION IN EXISTING SLAB TO ACCOMMODATE NEW FLOOR RECESSED ELECTRICAL BOXES. COORDINATE WITH ELECTRICAL DWGS.
15. REMOVE PORTION OF EXISTING WALL TO ACCOMMODATE PLUMBING. PATCH AND REPAIR WALL TO MATCH EXISTING ADJACENT FINISHES
16. REMOVE, SALVAGE AND REINSTALL EXISTING CEILING AND GRID AS REQUIRED TO ACCOMMODATE NEW MEP ITEMS. COORDINATE WITH MEP DRAWINGS
17. REMOVE PORTION OF EXISTING GYPSUM CEILING TO ACCOMMODATE NEW PLUMBING SCOPE. PATCH, REPAIR, AND REFINISH TO MATCH EXISTING.
18. REMOVE PORTION OF EXISTING WALL TO ACCOMMODATE PLUMBING. PATCH AND REPAIR WALL TO RECEIVE NEW FINISHES
19. EXISTING WALL MOUNTED CABLE BOX TO BE REMOVED. SEE ELECTRICAL DWGS. PATCH AND REPAIR WALL SURFACE AND PROVIDE NEW FINISH. SEE FINISH DWGS.
20. REMOVE PORTION OF EXISTING METAL STUD GYP. BD. SOFFIT. SUPPORT EXISTING TO REMAIN AND RE-FRAME AS REQUIRED. PREPARE REMAINING SOFFIT TO AJOIN NEW. COORDINATE WITH NEW WORK.
21. REMOVE PORTIONS OF EXISTING SOFFIT TO ACCOMMODATE MEP SCOPE. PATCH AND REPAIR AS REQUIRED AND PREPARE TO RECEIVE NEW PAINTED FINISH. COORDINATE EXTENT WITH MEP DRAWINGS



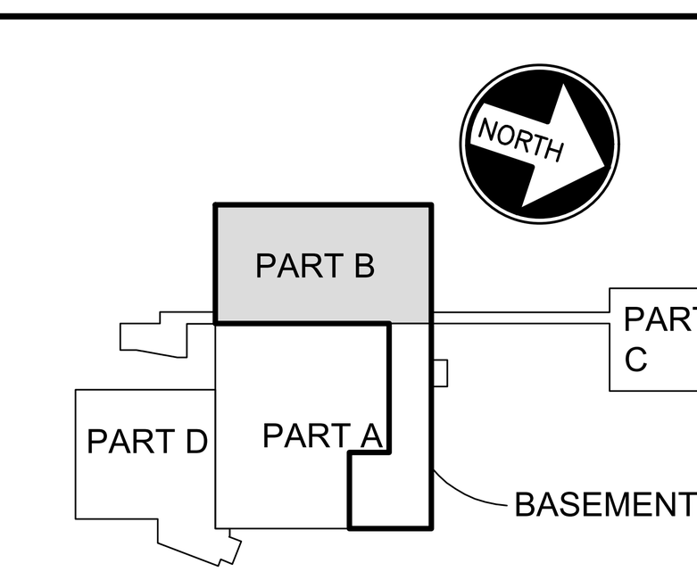
3 D-101 PARTIAL SECOND FLOOR CEILING DEMOLITION PLAN
SCALE: 1/8"=1'-0"

4 D-101 EXISTING PHOTOGRAPH
SCALE: NTS



2 D-101 PARTIAL SECOND FLOOR DEMOLITION PLAN
SCALE: 1/8"=1'-0"

REVISIONS



KEY PLAN

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02-09-2026

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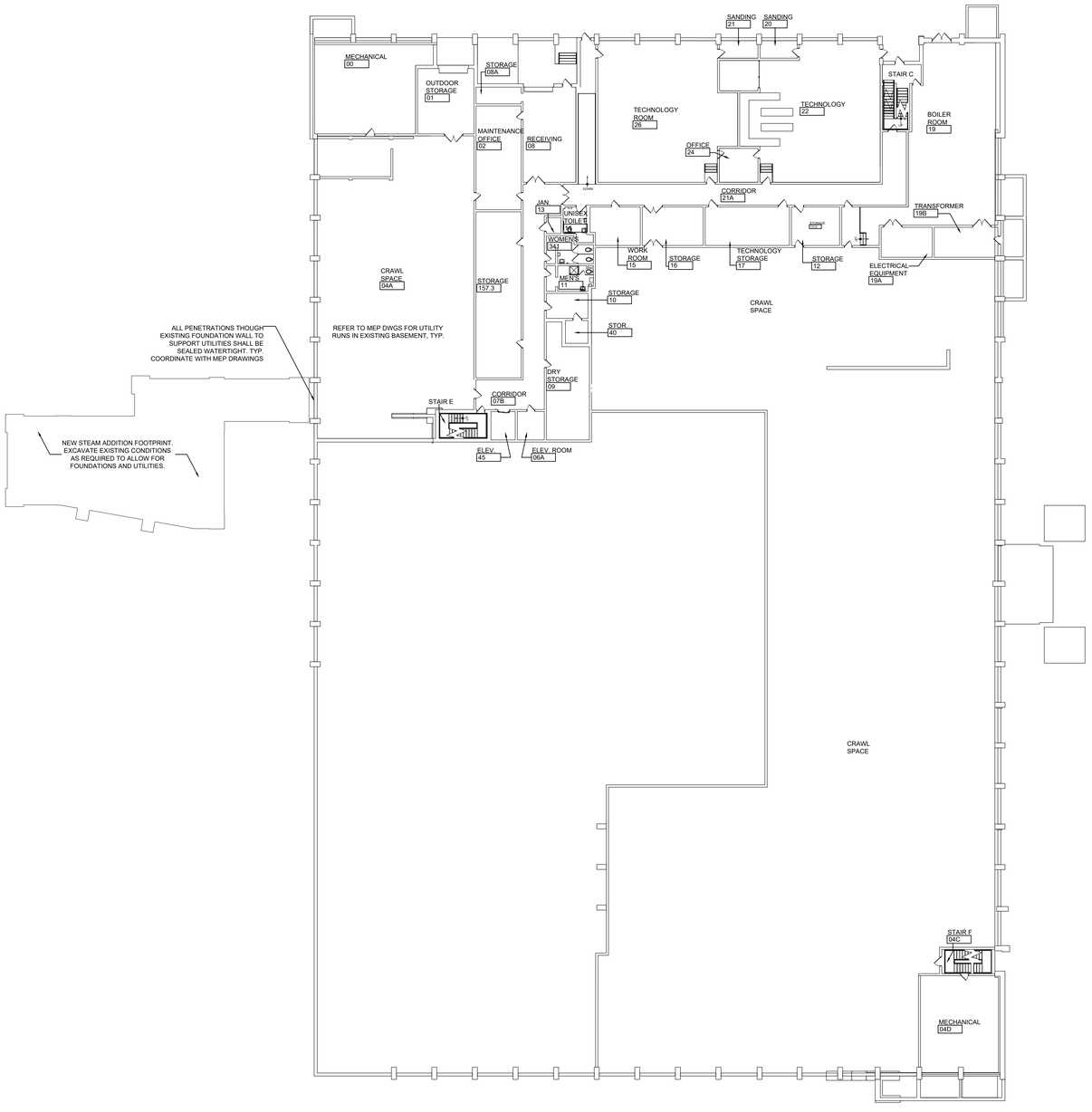
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
PARTIAL DEMOLITION PLAN (LIBRARY)

DRAWN BY:	PROJECT NO.:
CTP	2025-151P
CHECKED BY: DM	DRAWING NO.: D-101
DATE: 02-09-2026	

CAD FILE: 5151-D-101.DWG
PLOT DATE: 2/4/2026

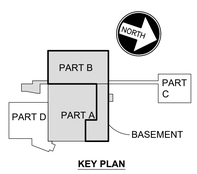


1 A-100

BASEMENT FLOOR COMPOSITE PLAN

SCALE: 1/16" = 1'0"

REVISIONS



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02-09-2026

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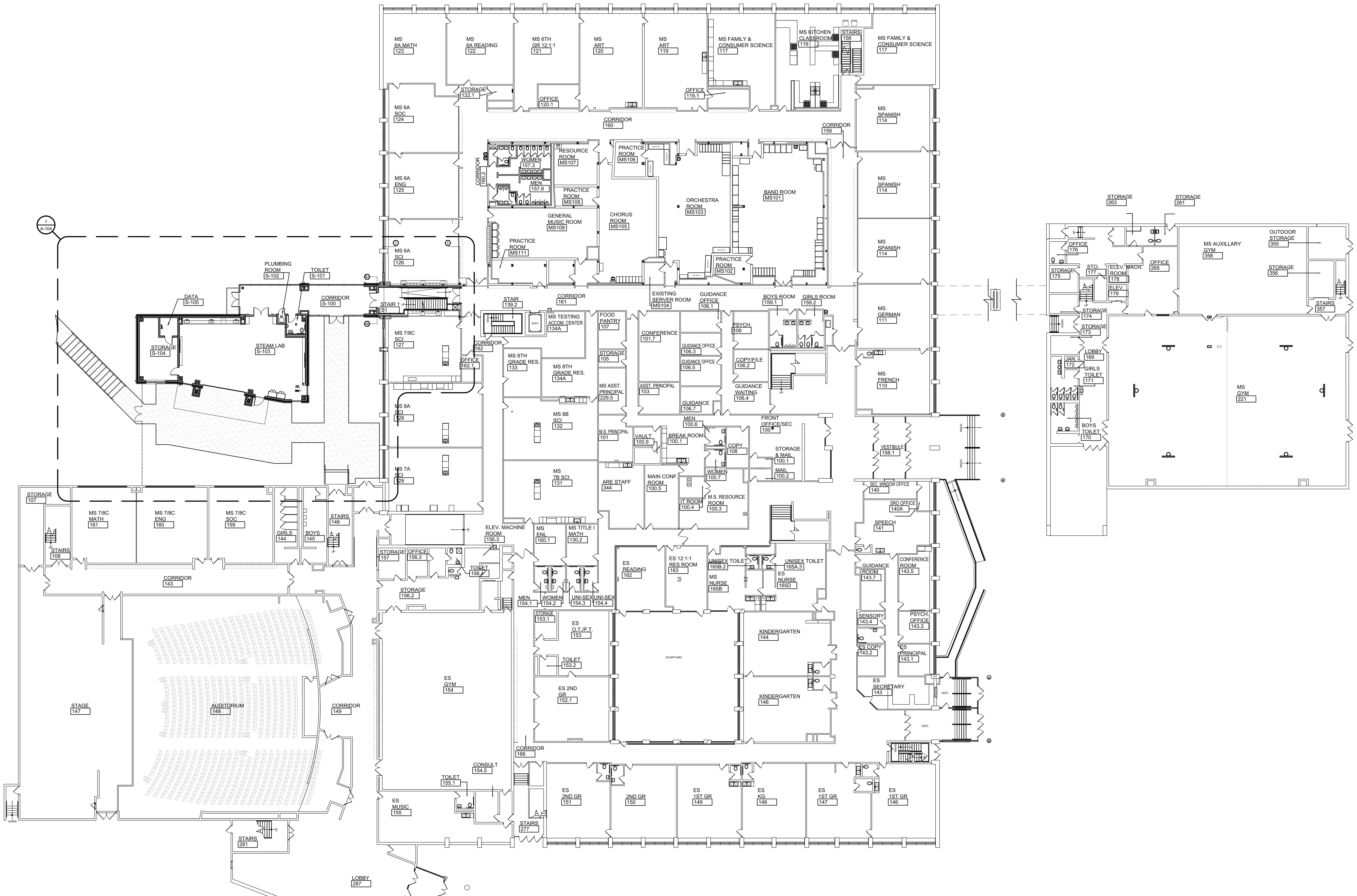
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
BASEMENT FLOOR COMPOSITE PLAN

DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: DM	DRAWING NO.: A-100
DATE: 02-09-2026	

CAD FILE: 151P-1ST.DWG
PLOT DATE: 2/4/2026

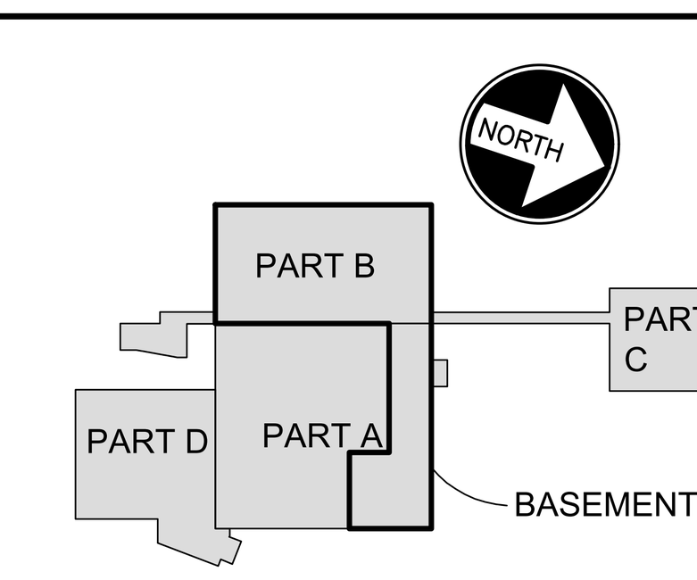


FIRST FLOOR COMPOSITE PLAN

1 A-101

SCALE: 1/16" = 1'0"

REVISIONS



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02-09-2026

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PROJECT TITLE:

Vestal

201 Main Street | Vestal, NY 13850

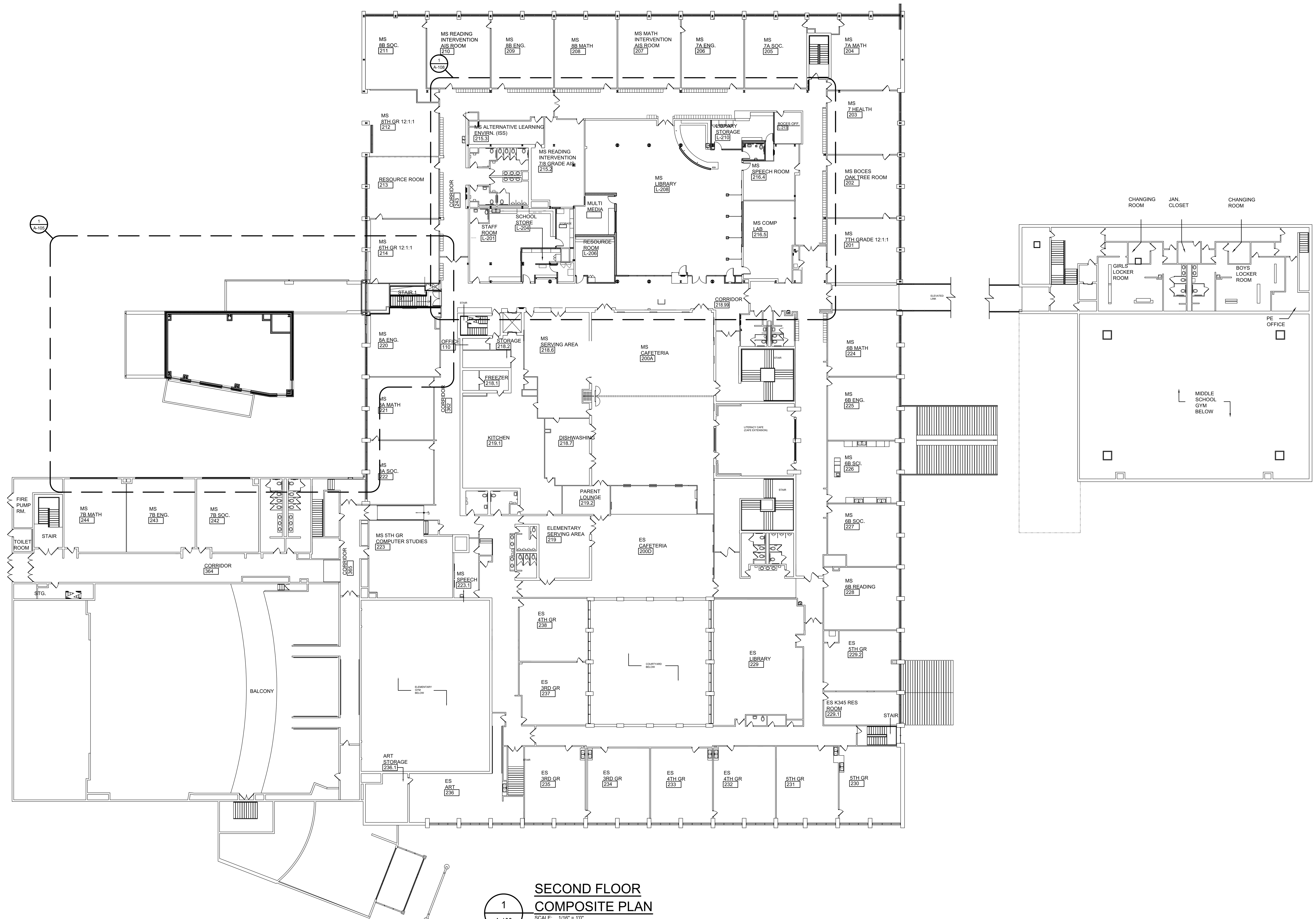
2022 Capital Project Phase 3

AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:

FIRST FLOOR COMPOSITE PLAN

DRAWN BY:	PROJECT NO.:
CTP	2025-151P
CHECKED BY:	DRAWING NO.:
DM	A-101
DATE:	
02-09-2026	



1 A-102

SECOND FLOOR COMPOSITE PLAN

SCALE: 1/16" = 1'0"

REVISIONS

NORTH

PART B | PART C | PART D | PART A | BASEMENT

KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

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2022 Capital Project Phase 3
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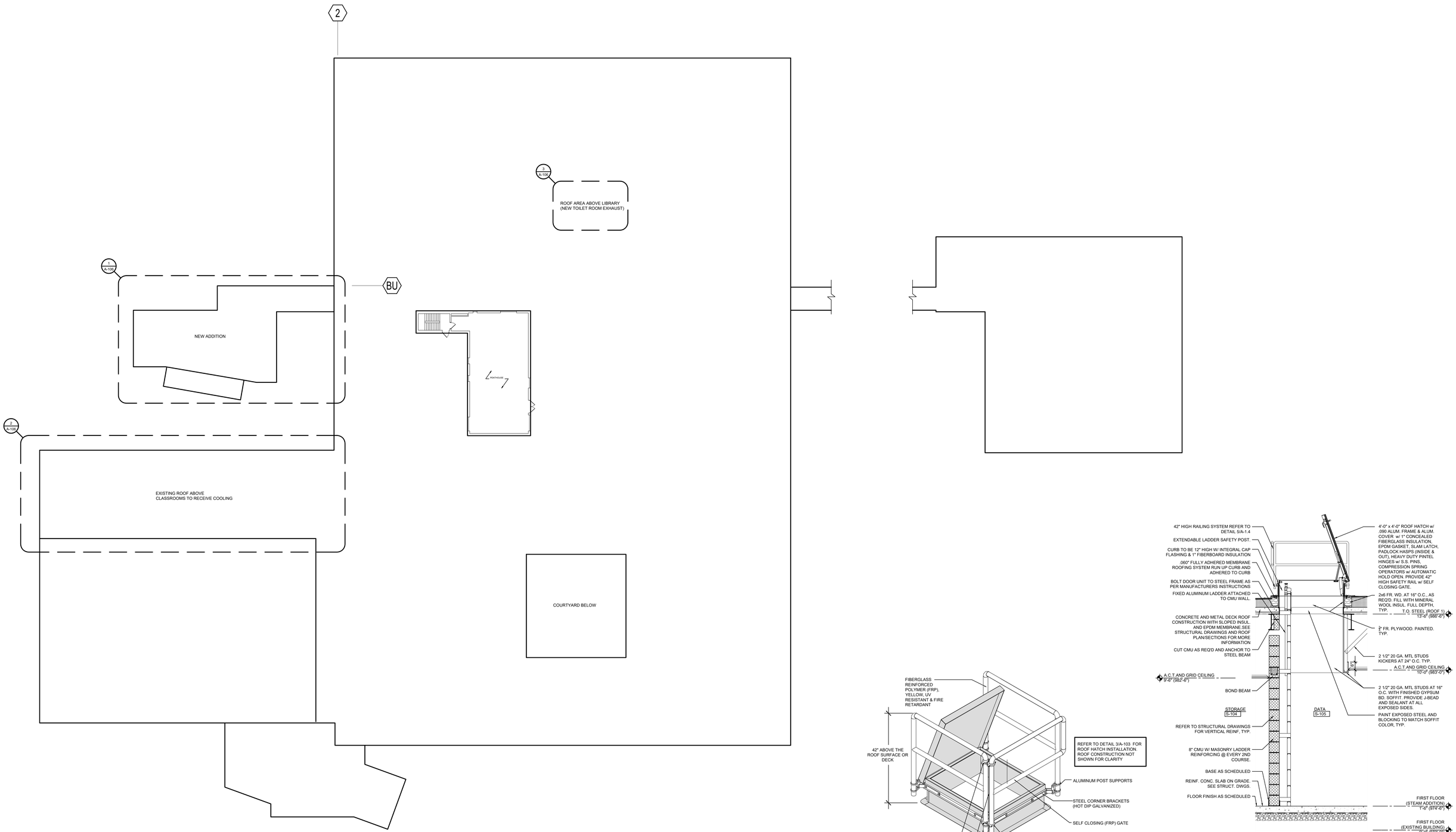
DRAWING TITLE:
SECOND FLOOR COMPOSITE PLAN

DRAWN BY: CTP
PROJECT NO.: 2025-151P
CHECKED BY: DM
DRAWING NO.: A-102
DATE: 02-09-2026

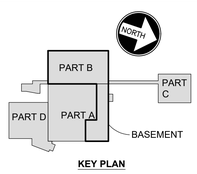


1 A-103 ROOF/ PENTHOUSE COMPOSITE PLAN
SCALE: 1/16" = 1'0"

2 A-103 TYP. ROOF HATCH DETAIL
SCALE: NTS

3 A-103 TYP. ROOF HATCH DETAIL
SCALE: NTS

REVISIONS



KEY PLAN

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02-09-2026

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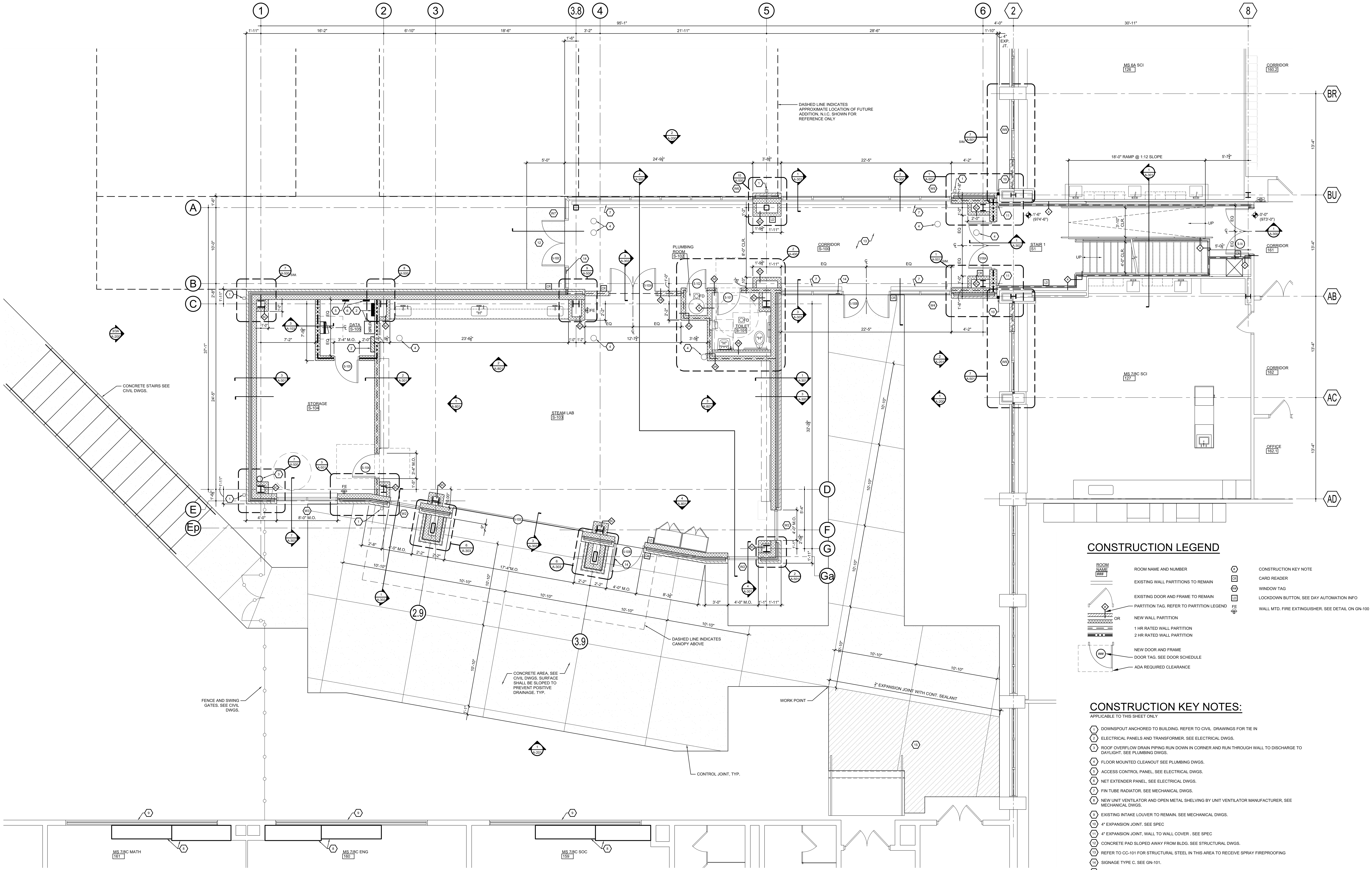
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
ROOF/ PENTHOUSE COMPOSITE PLAN

DRAWN BY:	PROJECT NO.:
CTP	2025-151P
CHECKED BY:	DRAWING NO.:
DM	A-103
DATE: 02-09-2026	

DWG FILE:
PLOT DATE: 2/9/2026



CONSTRUCTION LEGEND

ROOM NAME ###	ROOM NAME AND NUMBER
	EXISTING WALL PARTITIONS TO REMAIN
	EXISTING DOOR AND FRAME TO REMAIN
#	PARTITION TAG. REFER TO PARTITION LEGEND
OR	NEW WALL PARTITION
	1 HR RATED WALL PARTITION
	2 HR RATED WALL PARTITION
	NEW DOOR AND FRAME
###	DOOR TAG. SEE DOOR SCHEDULE
	ADA REQUIRED CLEARANCE
#	CONSTRUCTION KEY NOTE
CR	CARD READER
W#	WINDOW TAG
LD	LOCKDOWN BUTTON, SEE DAY AUTOMATION INFO
FE	WALL MTD. FIRE EXTINGUISHER. SEE DETAIL ON GN-100

CONSTRUCTION KEY NOTES:

APPLICABLE TO THIS SHEET ONLY

1. DOWNSPOUT ANCHORED TO BUILDING. REFER TO CIVIL DRAWINGS FOR TIE IN
2. ELECTRICAL PANELS AND TRANSFORMER. SEE ELECTRICAL DWGS.
3. ROOF OVERFLOW DRAIN PIPING RUN DOWN IN CORNER AND RUN THROUGH WALL TO DISCHARGE TO DAYLIGHT. SEE PLUMBING DWGS.
4. FLOOR MOUNTED CLEANOUT SEE PLUMBING DWGS.
5. ACCESS CONTROL PANEL, SEE ELECTRICAL DWGS.
6. NET EXTENDER PANEL, SEE ELECTRICAL DWGS.
7. FIN TUBE RADIATOR. SEE MECHANICAL DWGS.
8. NEW UNIT VENTILATOR AND OPEN METAL SHELVING BY UNIT VENTILATOR MANUFACTURER, SEE MECHANICAL DWGS.
9. EXISTING INTAKE LOUVER TO REMAIN. SEE MECHANICAL DWGS.
10. 4" EXPANSION JOINT. SEE SPEC
11. 4" EXPANSION JOINT, WALL TO WALL COVER . SEE SPEC
12. CONCRETE PAD SLOPED AWAY FROM BLDG. SEE STRUCTURAL DWGS.
13. REFER TO CC-101 FOR STRUCTURAL STEEL IN THIS AREA TO RECEIVE SPRAY FIREPROOFING
14. SIGNAGE TYPE C. SEE GN-101.
15. SHADED AREA INDICATES PHASED APPROACH FOR NEW CONCRETE PATIO. AREA TO BE POURED PRIOR TO LARGER PATIO POUR TO ALLOW FOR BUILDING EGRESS. COORDINATE WITH OVERALL SCORE PATTERN, CONSTRUCTION MANAGER AND CONSTRUCTION SCHEDULE. PROVIDE #4 DOWELS AT 12" O.C. TO PIN TO SECOND PATIO POUR. MIN 6" EMBEDMENT IN EACH SLAB

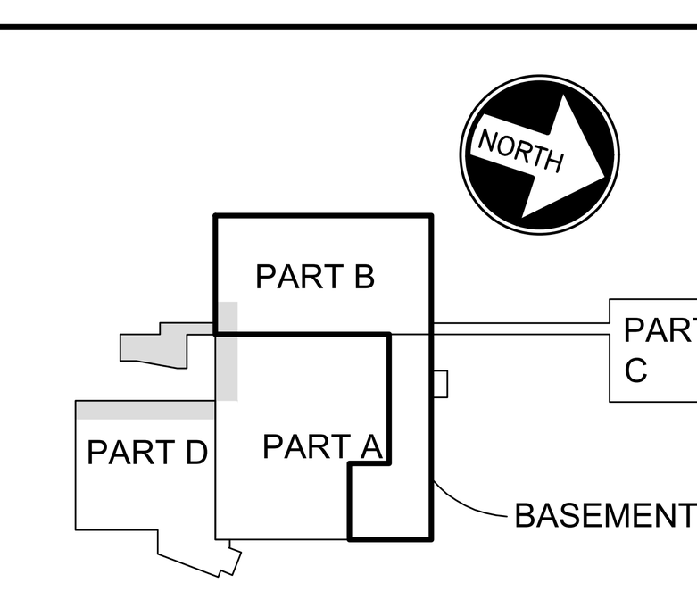
1 / A-104

PARTIAL FIRST FLOOR PLAN/ STEAM ADDITION PLAN

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

NOTES:
1. EXISTING FIRST FLOOR ELEVATION (PART A AND PART B) SHALL BE CONSIDERED 0'-0" (973'-0")
2. NEW ADDITION FINISHED FLOOR ELEVATION TO BE 1'-6" (974'-6")

REVISIONS



KEY PLAN

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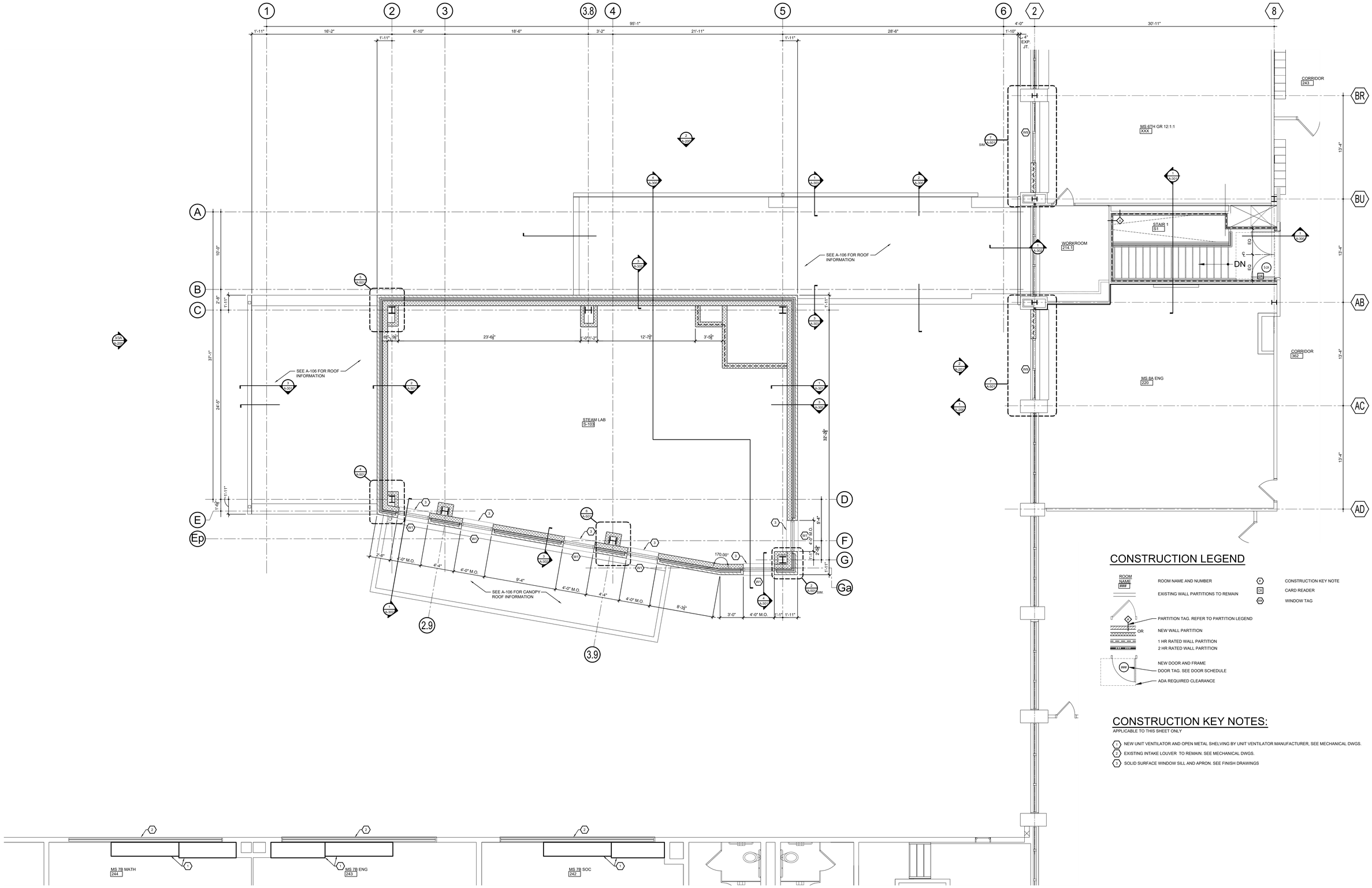
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
PARTIAL FIRST FLOOR PLAN (STEAM ADDITION)

DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: DM	DRAWING NO.:
DATE: 02-09-2026	A-104



CONSTRUCTION LEGEND

- ROOM NAME / RRR — ROOM NAME AND NUMBER
- EXISTING WALL PARTITIONS TO REMAIN
- PARTITION TAG. REFER TO PARTITION LEGEND
- OR — NEW WALL PARTITION
- 1 HR RATED WALL PARTITION
- 2 HR RATED WALL PARTITION
- RRR — NEW DOOR AND FRAME
- DOOR TAG. SEE DOOR SCHEDULE
- ADA REQUIRED CLEARANCE
- X — CONSTRUCTION KEY NOTE
- CR — CARD READER
- XW — WINDOW TAG

CONSTRUCTION KEY NOTES:

APPLICABLE TO THIS SHEET ONLY

1. NEW UNIT VENTILATOR AND OPEN METAL SHELVING BY UNIT VENTILATOR MANUFACTURER, SEE MECHANICAL DWGS.
2. EXISTING INTAKE LOUVER TO REMAIN. SEE MECHANICAL DWGS.
3. SOLID SURFACE WINDOW SILL AND APRON. SEE FINISH DRAWINGS

X / A-105 — PARTIAL SECONDFLOOR PLAN/ STEAM ADDITION CLERESTORY PLAN

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

REVISIONS

KEY PLAN: NORTH; PART A; PART B; PART C; PART D; BASEMENT

BID DOCUMENTS
02-09-2026

SEALS:

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AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
PARTIAL SECOND FLOOR PLAN (STEAM ADDITON)

DRAWN BY:	PROJECT NO.:
CTP	2025-151P
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DM	A-105
DATE: 02-09-2026	

CAD FILE PLOT DATE: 2/4/2026

ROOF LEGEND

R.D. / O.D. — 4'x4' TAPERED PREFAB TARGED INSULATION SUMP BY ROOFING MANUFACTURER
R.D. = ROOF DRAIN
O.D. = OVERFLOW DRAIN

FIXED ALUMINUM LADDER WITH WALKTHRU

INDICATES ROOF SLOPE

INDICATES SPOT ELEVATION (T.O. MASONRY U.O.N.). ELEVATION IS BASED UPON UTILIZING EXISTING FIRST FLOOR 0'-0" (973'-0"). COORDINATE WITH NEW FLOOR ELEVATION OF ADDITION.

HATCHED AREA INDICATES ROOF CRICKET. TYPICAL $\frac{1}{4}$" PER FT. SLOPE

2'x2' WALKWAY PADS BY ROOFING MANUFACTURER

H.P. — HIGH POINT OF ROOF (H.P.)
L.P. — LOW POINT OF ROOF (L.P.)

V.T.R. — VENT THROUGH ROOF

MECHANICAL EQUIPMENT TAG. SEE MECHANICAL DRAWINGS

(#) — CONSTRUCTION KEY NOTE

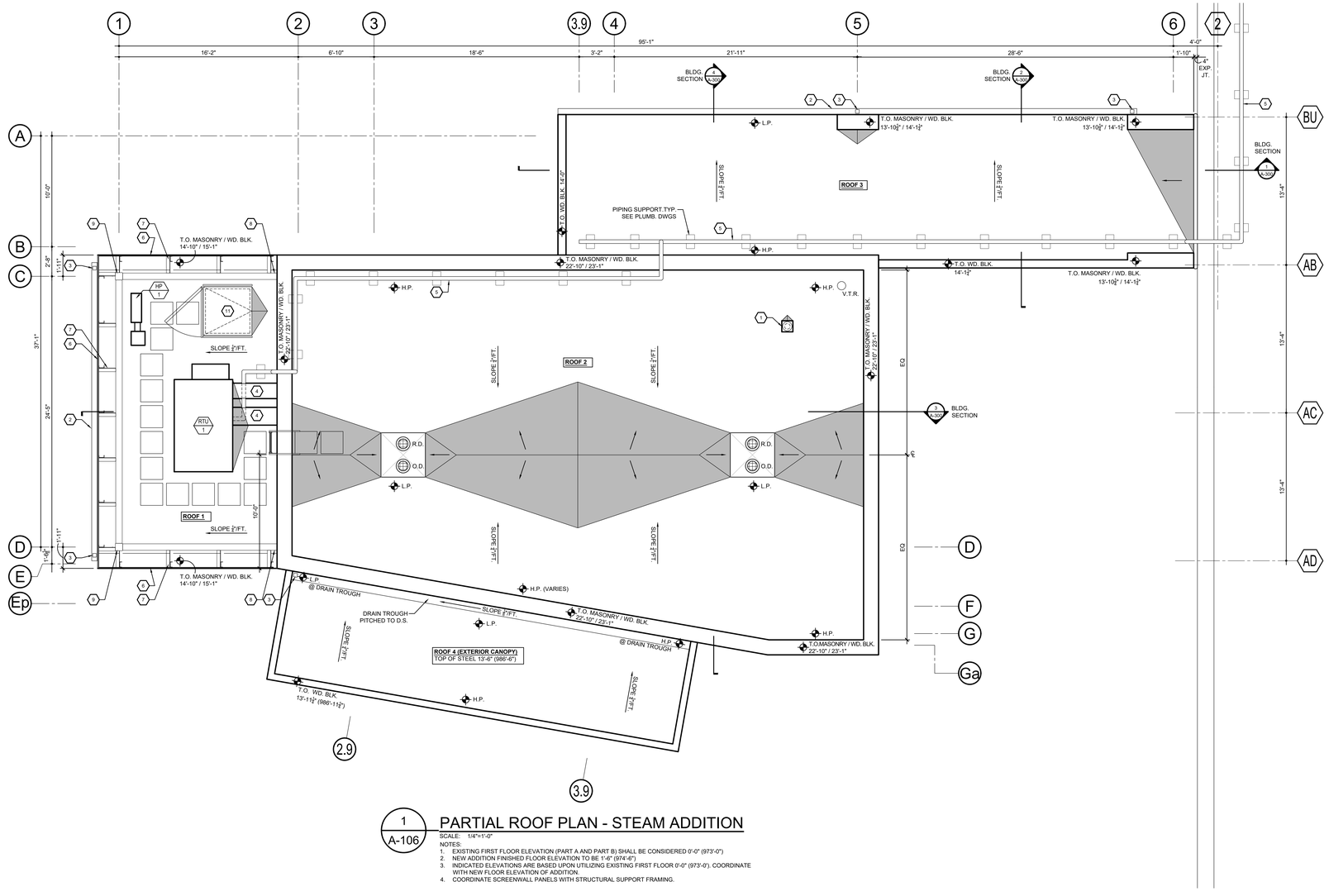
ROOF NOTES

1. PROVIDE WOOD BLOCKING @ ALL ROOF OPENINGS, SAME THICKNESS AS INSULATION. TYPICAL.
2. CONTRACTORS TO FOLLOW OSHA RULES, REGULATIONS AND PROCEDURES.
3. ALL ROOF WORK TO BE DONE IN ACCORDANCE TO ROOF MANUFACTURERS, SPECS, DETAILS, RECOMMENDATIONS, PROCEDURES, ETC. TO MAINTAIN 20 YEAR WARRANTY.
4. THE ROOFING CONTRACTOR SHALL SUBMIT FOR ARCHITECT'S REVIEW, ALL BUILDING STANDARD SHOP DRAWINGS AND PRODUCT LITERATURE. ROOFING CONTRACTOR TO ALSO SUBMIT SHOP DRAWINGS AND PRODUCT LITERATURE AND OTHER PERTINENT DATA FOR ARCHITECT'S CONSIDERATION OF ANY PROPOSED SUBSTITUTIONS. PROVIDE TYPICAL ROOF SHOP DRAWINGS ITEMS SUCH AS ROOF DRAINS, MECHANICAL UNIT CURBS, FLASHING, CRICKETS, PIPE PENETRATIONS, PARAPETS, COPINGS, EXPANSION JOINTS, PITCH PAN DETAILS, TERMINATION BAR, WALKING PADS, LAP SPLICE DETAILS, FASTENERS, INSULATION BOARD LAYOUT PATTERN, CONDUITS, ETC. COORDINATE ALL ROOF CURBS, FLASHING DETAILS WITH MECHANICAL CONTRACTOR/DRAWINGS.
5. INSTALL ALL ROOF CURBS FURNISHED BY MECHANICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR. FURNISH AND INSTALL ALL ANCHOR BOLTS.
6. CONTRACTOR TO PROVIDE FULLY ADHERED, WALKWAY PADS/ROLL FROM ALL ACCESS POINTS TO ALL SERVICEABLE ROOFTOP EQUIPMENT MINIMAL DESIGN AS SHOWN ON PLAN. FINAL CONFIGURATION TO BE FIELD VERIFIED. CONTRACTOR SUBMIT FINAL DESIGN TO ARCHITECT FOR APPROVAL w/ TAPERED INSULATION SHOP.
7. CONTRACTOR IS TO PROVIDE ALL REQUIRED CRICKETS AT ALL ROOF TOP PENETRATIONS AS REQ'D TO DIVERT WATER AND PREVENT PONDING BEHIND OBSTRUCTION. VERIFY FINAL CONDITIONS IN FIELD
8. REFER TO MEP DRAWINGS FOR ADDITIONAL ITEMS NOT SHOWN ON ROOF PLAN SUCH AS PIPING, CONDUIT, ETC.
9. ALL PENETRATIONS THOUGH EXISTING ROOF SHALL BE FLASHED AND SEALED WEATHER TIGHT AND IN ACCORDANCE WITH ANY EXISTING ROOF WARRANTIES

CONSTRUCTION KEY NOTES

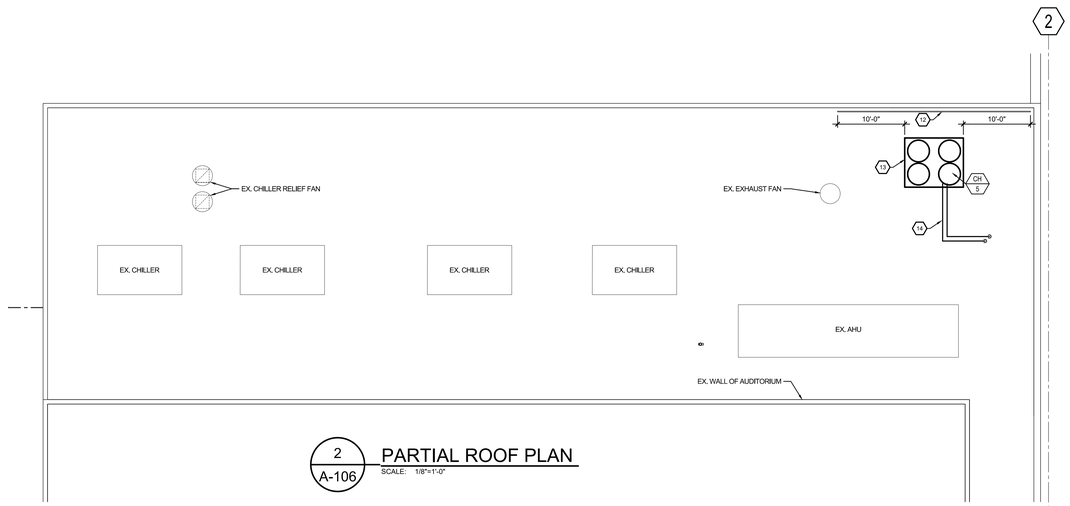
APPLICABLE TO THIS SHEET ONLY

1. TOILET ROOM EXHAUST DUCT ON CURB.
2. CONTINUOUS 6"X6" .050 ALUMINUM BOX STYLE GUTTER WITH KYNAR FINISH
3. 4"X4" .050 ALUMINUM DOWNSPOUT WITH KYNAR FINISH. ALL CONNECTIONS SHALL BE RIVETED AND MATCH FINISH. ANCHOR TO BUILDING FACE WITH ANCHOR STRAPS AT 8'-0" O.C. ANCHORS SHALL BE A MORTAR JOINT LOCATIONS ONLY, NO DRILLING THROUGH BRICK VENEER. PROVIDE ALL OFFSETS IN DOWNSPOUTS AS REQUIRED TO ACCOMMODATE BUILDING FACADE PROFILES AND UNDERGROUND COLLECTION TIE-IN POINTS. PROVIDE FABRICATED CONNECTOR TO SECURE AND CLOSE TRANSITION BETWEEN DOWNSPOUT AND ANCHOR CLEANOUT/UNDERGROUND COLLECTION POINTS. FINISH TO MATCH DOWNSPOUT TYP
4. EXPOSED DUCTWORK. SEAL PENETRATION THOUGH EXTERIOR WALL WEATHER TIGHT WITH CONTINUOUS BACKER ROD AND SEALANT
5. GAS LINE ON ROOF. SEE PLUMBING DWGS. ALL HORIZONTAL RUNS PAINTED SAFETY YELLOW. ALL VERTICAL RUNS SHALL BE PAINTED TO MACH THE FIELD COLOR ON WHICH THEY OCCUR.
6. SCREEN WALL. SEE ELEVATIONS.
7. SCREEN WALL FRAMING. ALL EXPOSED FRAMING TO BE PAINTED. TYP. SEE STRUCTURAL DWGS.
8. SEAL TUBE STEEL PENETRATION WEATHER TIGHT. COORDINATE WITH STRUCTURAL DWGS.
9. FLASH AND SEAL WEATHER TIGHT AT TUBE STEEL POST ROOF PENETRATION. COORDINATE WITH STRUCTURAL DWGS.
10. TOILET ROOM EXHAUST DUCT ON CURB. REMOVED EXISTING ROOF CONSTRUCTION AS REQ'D AND FLASH NEW CURB WEATHER TIGHT.
11. 4'X4' ROOF INSULATED ACCESS HATCH ON INSULATED CURB. PROVIDE 42" HIGH SAFETY RAIL WITH SELF CLOSING GATE. LADDER TO BE FIXED, WALL MOUNTED ALUMINUM LADDER WITH EXTENDING SAFETY POST AT TOP. SEE 2/A-103.
12. OSHA COMPLAINT 3'-6" HIGH GUARDRAIL (POSTS, TOP, AND MID-RAIL), $\frac{1}{2}$" DIAMETER STL. PIPE WELDED TO EXISTING STL. JOISTS AND PAINTED WITH HIGH PERFORMANCE COATING (OSHA SAFETY YELLOW) COORDINATE FINAL LOCATION WITH CHILLER/CLEARANCES AND EXISTING ROOF STEEL. POST PENETRATIONS SHALL BE LOCATED AT EVERY EXITING JOISTS (+/- 3'-9" O.C.) FLASHED AND SEALED WEATHER TIGHT, AND IN ACCORDANCE WITH ANY EXISTING ROOF WARRANTIES, TYP.
13. REFER TO MECHANICAL DRAWINGS FOR CHILLER SUPPORT FRAMING. COORDINATE FINAL LOCATION WITH CHILLER/CLEARANCES AND EXISTING ROOF STEEL. ALL SUPPORT PENETRATIONS THOUGH EXISTING ROOF SHALL BE FLASHED AND SEALED WEATHER TIGHT AND IN ACCORDANCE WITH ANY EXISTING ROOF WARRANTIES.
14. NEW PIPING RUN ON ROOF. SEE MECHANICAL DWGS. ALL PENETRATIONS THOUGH EXISTING ROOF SHALL BE FLASHED AND SEALED WEATHER TIGHT AND IN ACCORDANCE WITH ANY EXISTING ROOF WARRANTIES

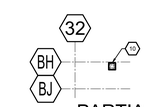


1 / A-106 PARTIAL ROOF PLAN - STEAM ADDITION
SCALE: 1/4"=1'-0"

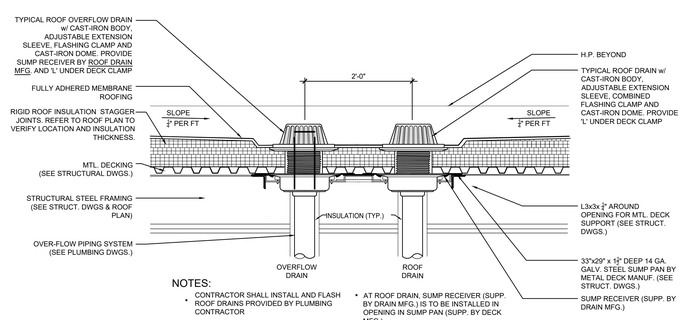
NOTES:
1. EXISTING FIRST FLOOR ELEVATION (PART A AND PART B) SHALL BE CONSIDERED 0'-0" (973'-0")
2. NEW ADDITION FINISHED FLOOR ELEVATION TO BE 1'-6" (974'-6")
3. INDICATED ELEVATIONS ARE BASED UPON UTILIZING EXISTING FIRST FLOOR 0'-0" (973'-0"). COORDINATE WITH NEW FLOOR ELEVATION OF ADDITION.
4. COORDINATE SCREENWALL PANELS WITH STRUCTURAL SUPPORT FRAMING.



2 / A-106 PARTIAL ROOF PLAN
SCALE: 1/8"=1'-0"

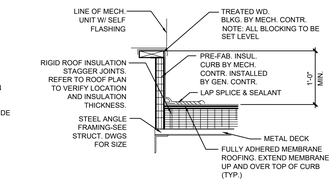


3 / A-106 PARTIAL ROOF PLAN
SCALE: 1/8"=1'-0"

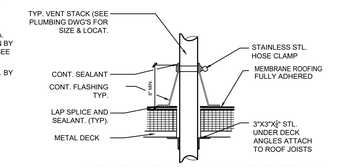


NOTES:
- CONTRACTOR SHALL INSTALL AND FLASH ROOF DRAINS PROVIDED BY PLUMBING CONTRACTOR.
- SEE PLUMBING DRAWINGS FOR PIPING CONTINUATIONS
- AT ROOF DRAIN, SUMP RECEIVER (SUPP. BY DRAIN MFG.) IS TO BE INSTALLED IN OPENING IN SUMP PAN (SUPP. BY DECK MFG.)

TYPICAL ROOF & OVERFLOW DRAIN DETAIL
SCALE: NTS

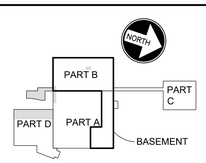


TYP. ROOF CURB DETAIL
SCALE: NTS



VENT STACK ROOF DETAIL
SCALE: NTS

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

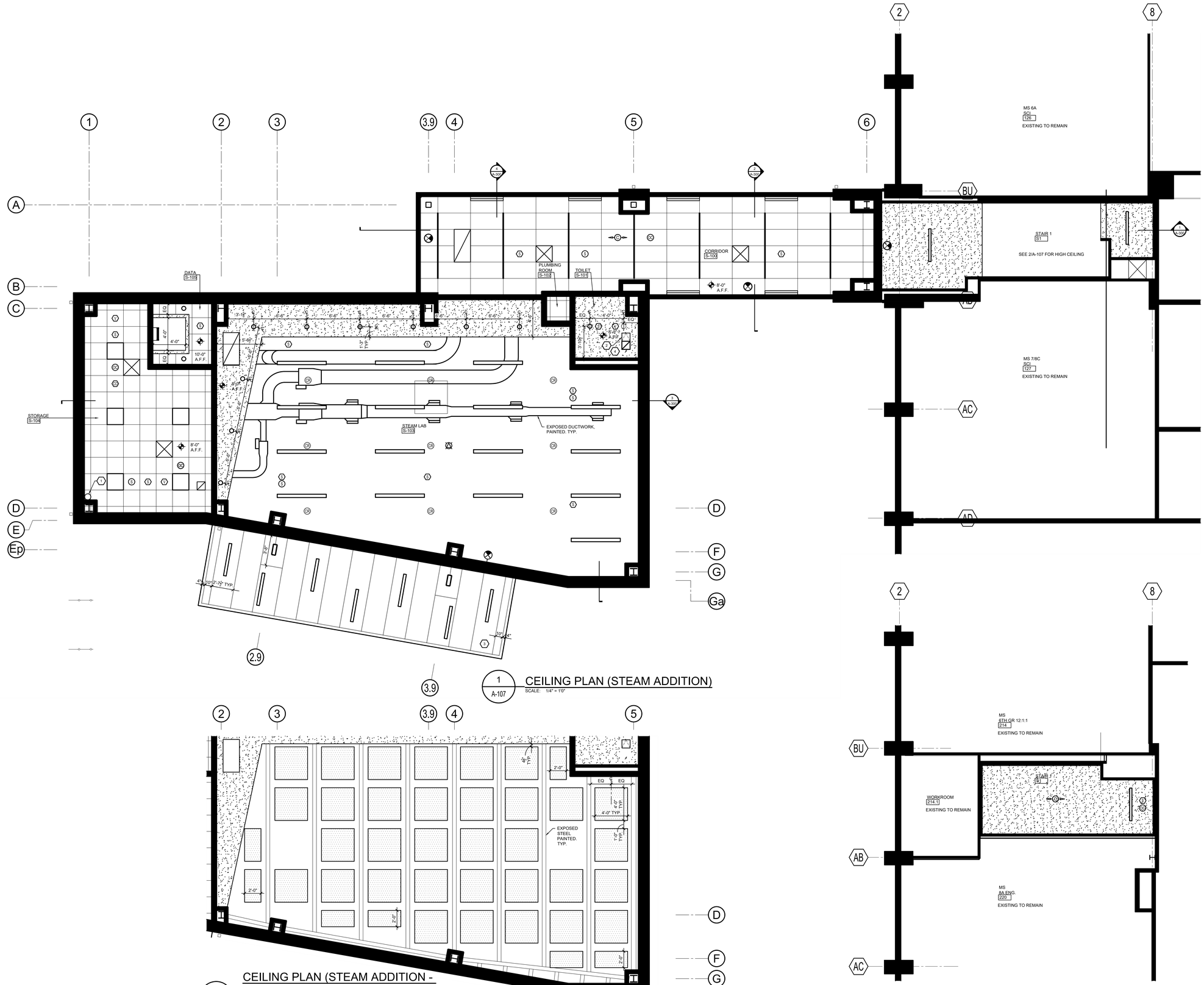
HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
ROOF PLAN (STEAM ADDITON)

DRAWN BY:	PROJECT NO.:
CTP	2025-151P
CHECKED BY:	DRAWING NO.:
DM	A-106
DATE: 02-09-2026	

CAD FILE: A-106.RVT
PLOT DATE: 2/4/2026



1
A-107

CEILING PLAN (STEAM ADDITION)

SCALE: 1/4" = 1'0"

1
A-107

CEILING PLAN (STEAM ADDITION - ROOF DECK AND STEEL)

SCALE: 1/4" = 1'0"

NOTES:
1. SEE 1/A-107 FOR ITEMS BELOW ELEMENTS SHOWN ON THIS DETAIL AND ADJACENT SPACES
2. ALL EXPOSED STEEL AND ROOF DECK SHALL BE PAINTED.REFER TO FINISH DWGS FOR FINISH

2
A-107

PARTIAL SECOND FLOOR CEILING

SCALE: 1/4" = 1'0"

CEILING LEGEND

⊞	NEW A.C.T. AND GRID CEILING
▨	NEW METAL STUD GYPSUM BOARD CEILING / SOFFIT (PAINTED)
▦	ACOUSTICAL PANEL DIRECT ATTACHED/ADHERED TO UNDERSIDE OF ROOF DECK. SEE FINISH DWGS.
☒	SUPPLY AIR DIFFUSERS. SEE MECHANICAL DRAWINGS
⧄	RETURN AIR GRILLE. SEE MECHANICAL DRAWINGS
▭	SUPPLY AIR LINEAR DIFFUSERS. SEE MECHANICAL DRAWINGS
□	2'X2' LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
▬	STRIP LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
▭	LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
OS	CEILING MOUNTED OCCUPANCY SENSOR, SEE ELECTRICAL DRAWINGS
S	CEILING MOUNTED SMOKE DETECTOR. SEE ELECTRICAL DRAWINGS
V	CEILING MOUNTED VAPE DETECTOR. SEE ELECTRICAL DRAWINGS
Co	CEILING MOUNTED CARBON MONOXIDE DETECTOR. SEE ELECTRICAL DRAWINGS
S	CEILING MOUNTED SPEAKER. SEE ELECTRICAL DRAWINGS
⊗	CEILING MOUNTED EXIT SIGN SEE ELECTRICAL DRAWINGS
⊗	WALL MOUNTED EXIT SIGN SEE ELECTRICAL DRAWINGS
C#	CEILING CONSTRUCTION KEY NOTE.
⊕	INDICATES FINISHED CEILING HEIGHT A.F.F.
C	CEILING MOUNTED CAMERA. SEE ELECTRICAL DRAWINGS
CR	CEILING MOUNTED CORD REELS. SEE ELECTRICAL DRAWINGS
△	CEILING MOUNTED WIRELESS ACCESS POINT. SEE ELECTRICAL DRAWINGS

CEILING PLAN KEY NOTES:

APPLICABLE TO THIS SHEET ONLY

1. ROOF OVERFLOW DRAIN PIPING RUN DOWN IN CORNER AND RUN THROUGH WALL TO DISCHARGE TO DAYLIGHT. SEE PLUMBING DWGS.
2. 12"X12" CEILING ACCESS PANEL. FRAME OUT OPENING AS REQUIRED. FINISH TO MATCH CEILING. COORDINATE WITH MECHANICAL DWGS.
3. A.C.M. SYSTEM CEILING WITH 1/2" JOINTS TYP.
4. PAINTED M.R. GYPSUM BOARD CEILING WITH 3 5/8" 20 GA. STUDS AT 16" O.C.
5. PAINTED GYPSUM BOARD SOFFIT/CEILING. METAL STUD FRAMING TO BE COMPLETED UNDER DELEGATED DESIGN.

REVISIONS

KEY PLAN

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02-09-2026

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architecture | engineering | interior design
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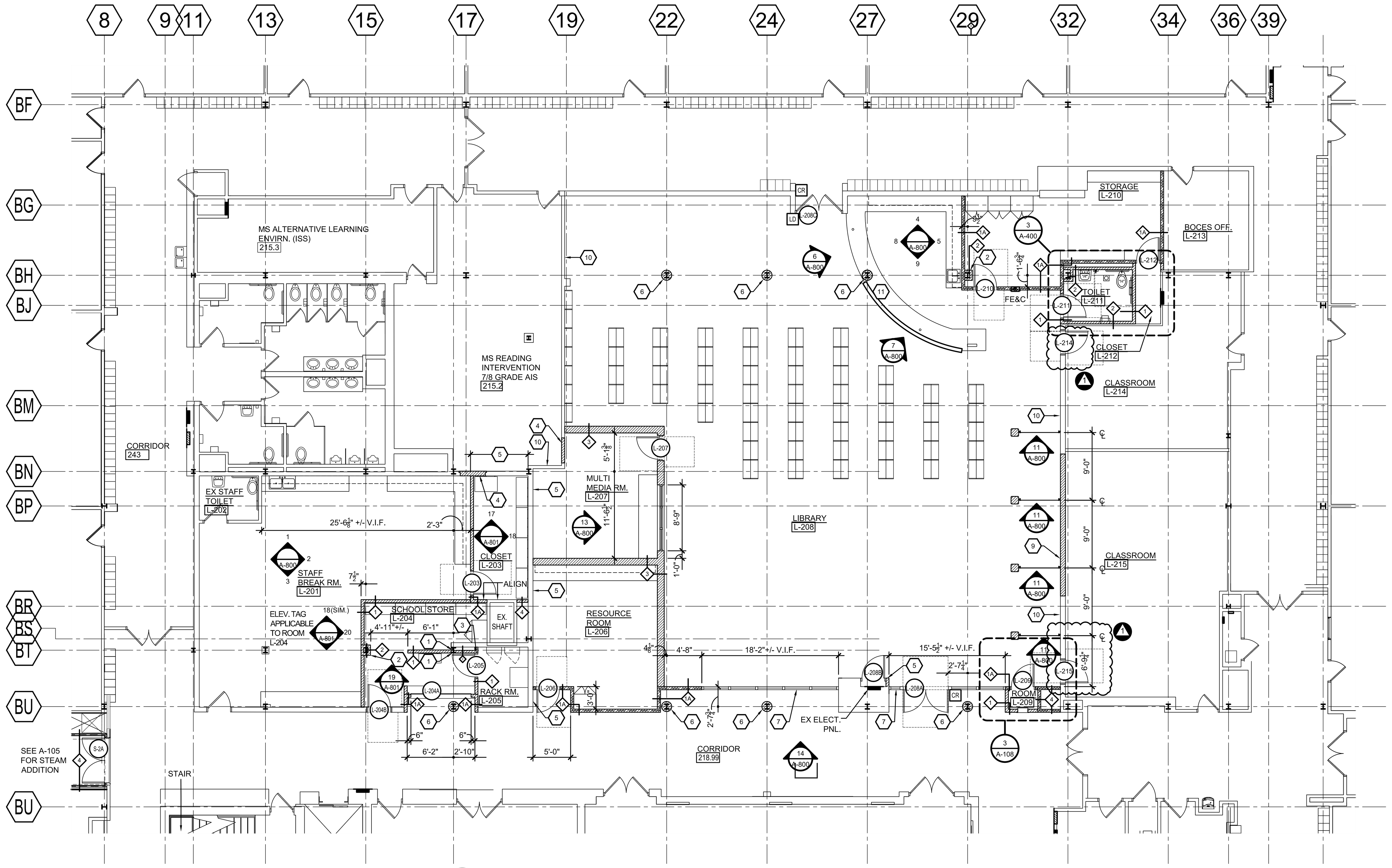
PROJECT TITLE:
Vestal
Central School District
201 Main Street | Vestal, NY 13850

2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

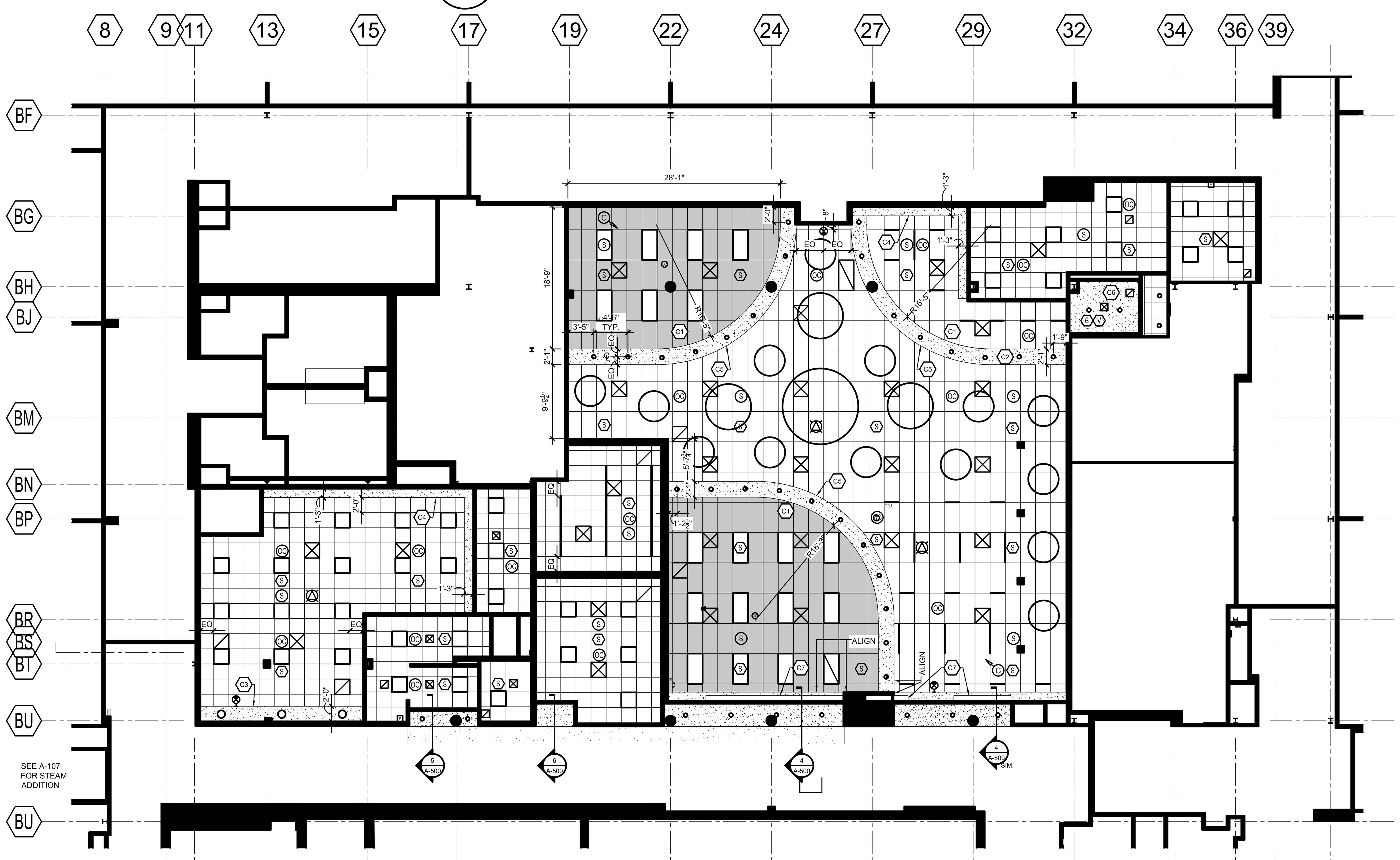
DRAWING TITLE:
CEILING PLAN
STEAM ADDITION

DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: DM	DRAWING NO.: A-107
DATE: 02-09-2026	

CAD FILE: 5151-A-107.DWG
PLOT DATE: 2/6/2026



1 A-108 PARTIAL SECOND FLOOR RENOVATION PLAN
SCALE: 1/8"=1'-0"



2 A-108 PARTIAL SECOND FLOOR RENOVATION CEILING PLAN
SCALE: 1/8"=1'-0"
REFER TO FLOOR PLANS FOR ROOM NAMES
ALL GRIDS TO BE CENTERED IN SPACE IN WHICH THEY OCCUR U.O.N.
REFER TO FINISH LEGEND AND INTERIOR ELEVATIONS FOR CEILING AND SOFFIT HEIGHTS

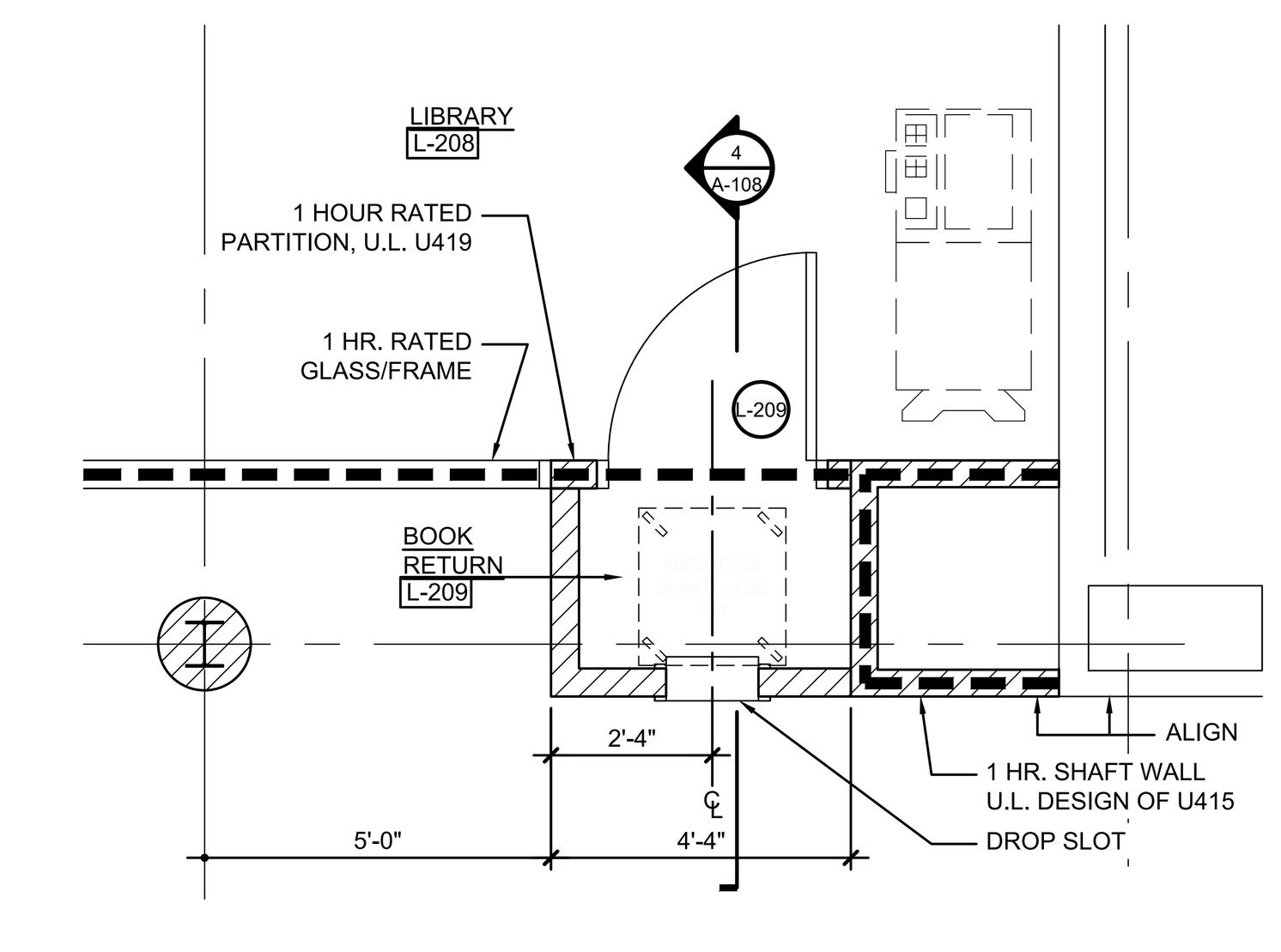
CONSTRUCTION LEGEND

- ROOM NAME ### — ROOM NAME AND NUMBER
- EXISTING WALL PARTITIONS TO REMAIN
- EXISTING DOOR AND FRAME TO REMAIN
- PARTITION TAG. REFER TO PARTITION LEGEND
- OR NEW WALL PARTITION
- 1 HR RATED WALL PARTITION
- 2 HR RATED WALL PARTITION
- NEW DOOR AND FRAME
- ### DOOR TAG. SEE DOOR SCHEDULE
- ADA REQUIRED CLEARANCE
- # CONSTRUCTION KEY NOTE
- CR CARD READER
- W# WINDOW TAG
- LD LOCKDOWN BUTTON, SEE DAY AUTOMATION INFO
- FE&C FIRE EXTINGUISHER AND CABINET. SEE DETAILS ON THIS SHEET

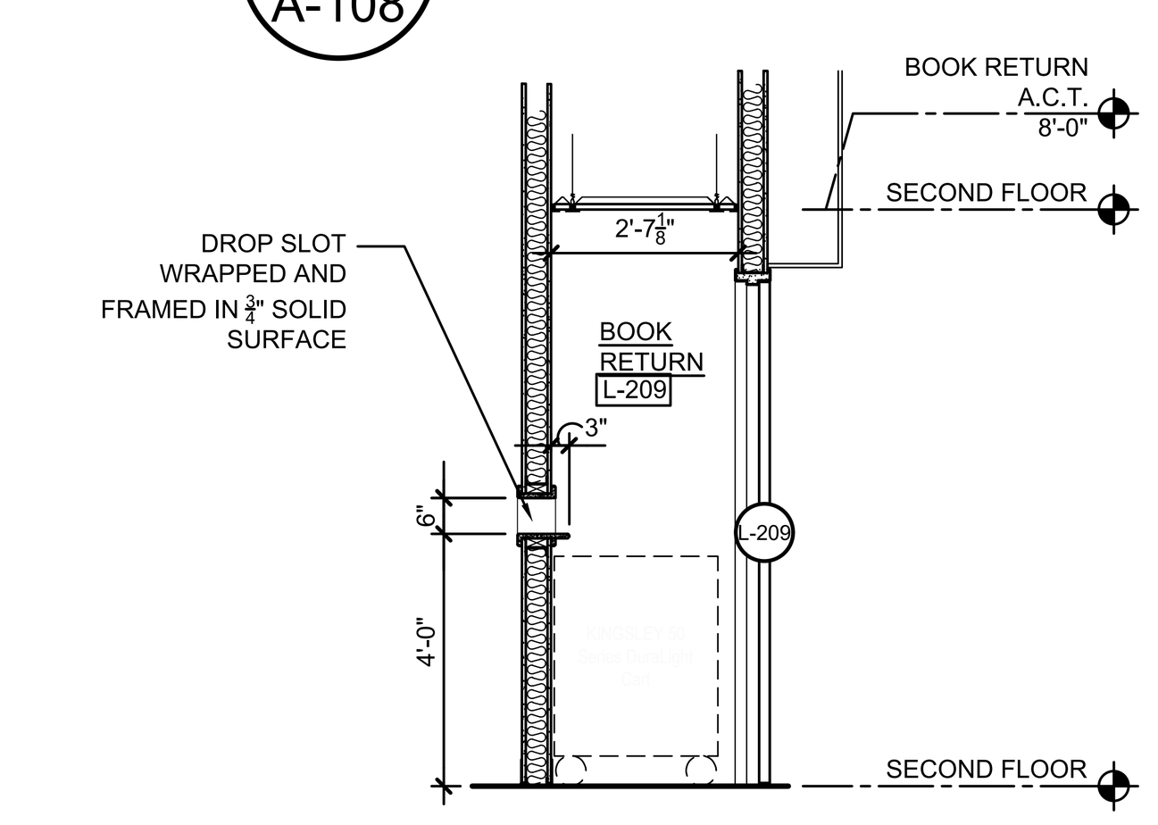
CONSTRUCTION KEY NOTES:

APPLICABLE TO THIS SHEET ONLY

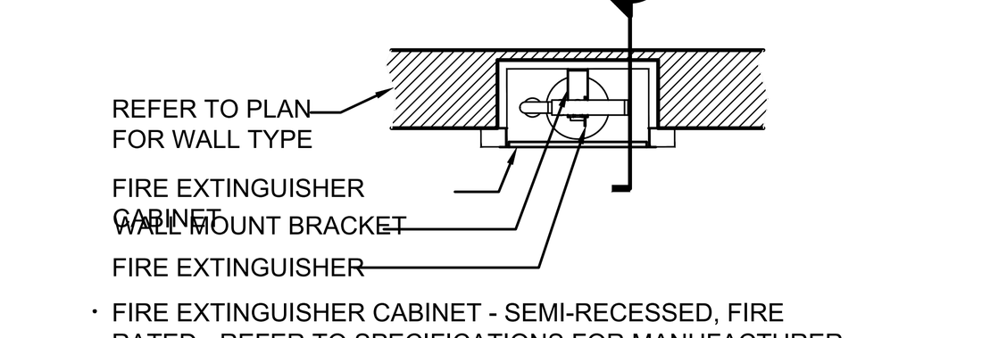
1. WALL POSITION BASED UPON RUNNING GYPSUM BOARD PAST FACE OF COLUMN
2. WRAP WALL TIGHT TO COLUMN. V.I.F.
3. DOOR FRAME TO BE ADJACENT TO WALL
4. INFILL EXISTING WALL OPENING WITH METAL STUDS AND F.R. GYPSUM BOARD AND SOUND BATT INSUL. TO MATCH EXISTING WALL THICKNESS
5. EXTEND TOP OF WALL WITH METAL STUDS @ 16" O.C. AND F.R. GYPSUM BOARD TO ENSURE 1 HR RATING AND OR SOUND ISOLATION AROUND STORAGE ROOM. SIM. TO PARTITION TYPE 1C. WALL THICKNESS SHALL MATCH EXISTING AND ALIGN WITH EXISTING FINISH FACES.
6. 16" DIA. G.R.F.C. COLUMN COVER
7. 1 HR. RATED GLASS WINDOW/DOOR SYSTEM BY ALUFLAM MODEL AF85W60 OR EQUAL. CLEAR ANODIZED FRAME WITH CONTRAFLAM 60 GLASS. COORDINATE EXTENT OF ADJACENT WALLS WITH WINDOW SYSTEM TO ACHIEVE EQUAL GLAZING LITES.
8. COORDINATE LOCATION OF WING WALL TO ALLOW FOR DOOR TO BE CENTERED AT EXISTING ELECTRICAL PANEL
9. INFILL EXISTING WINDOW OPENING WITH METAL STUD AT 16" O.C., SOUNDBATT INSULATION AND FINISHED 5/8" GYP. BD. (BOTH SIDES)
10. EXTEND TOP OF WALL WITH METAL STUDS WITH SOUND BATT INSUL. @ 16" O.C. AND 5/8". GYPSUM BOARD EACH SIDE. WALL THICKNESS SHALL MATCH EXISTING AND ALIGN WITH EXISTING FINISH FACES.
11. SEE 10/A-800 FOR ENLARGED PLAN OF CIRCULATION DESK



3 A-108 ENLARGED PLAN
SCALE: 3/8" = 1' - 0"

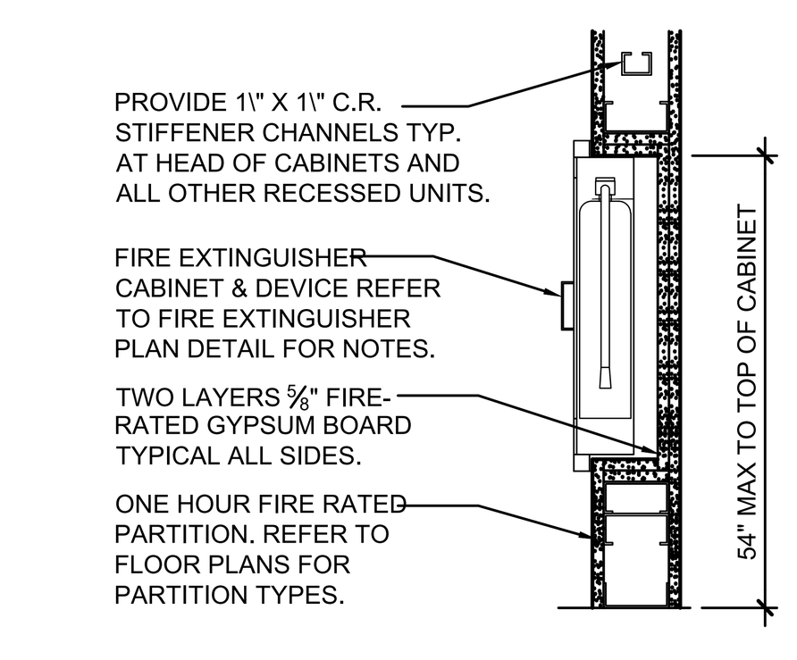


4 A-108 PARTIAL SECTION
SCALE: 3/8" = 1' - 0"



- FIRE EXTINGUISHER CABINET - SEMI-RECESSED, FIRE RATED - REFER TO SPECIFICATIONS FOR MANUFACTURER, MODEL, TYPE NUMBER AND FINISH.
- FIRE EXTINGUISHER TYPES -
  - MULTI-PURPOSE DRY-CHEMICAL TYPE, UL RATING 2A-10B:C, 5LB NOMINAL CAPACITY
  - CLASS K WET-CHEMICAL TYPE, UL RATING 2A:K, 1½ GAL. (6 LITERS) NOMINAL CAPACITY - AS REQUIRED BY CODE FOR KITCHENS ONLY.
- PROVIDE STANDARD BRACKET FOR MOUNTING OF FIRE EXTINGUISHER - REFER TO SPECIFICATIONS.
- FIRE EXTINGUISHER TYPES, QUANTITY, CAPACITY, WEIGHT, MOUNTING HEIGHTS, TRAVEL DISTANCES AND LOCATIONS OF ALL FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS ARE TO MEET ALL APPLICABLE CODES AND REQUIREMENTS.

5 A-108 PLAN DETAIL @ FIRE EXTINGUISHER CABINET
SCALE: 3/4" = 1'-0"



6 A-108 SECTION @ TYP. FIRE EXTINGUISHER CABINET
SCALE: 3/4" = 1'-0"

CONSTRUCTION LEGEND

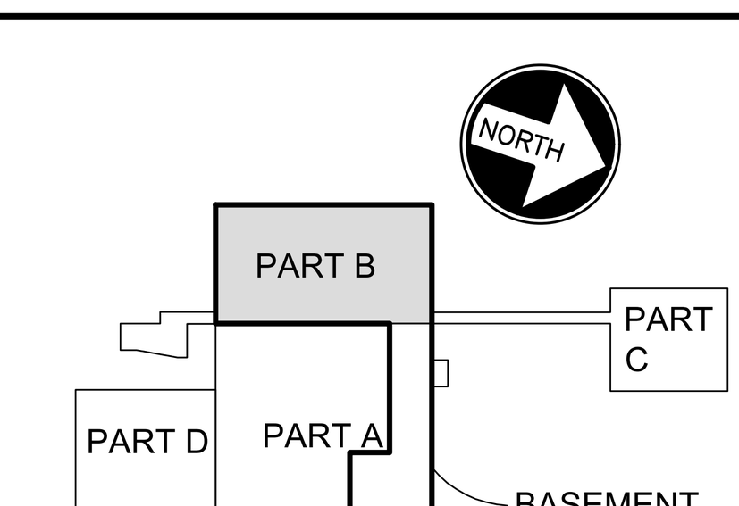
- NEW A.C.T. AND GRID CEILING
- NEW 2'X4' WOOD-LOOK ACCENT A.C.T. AND GRID CEILING
- NEW METAL STUD GYPSUM BOARD CEILING / SOFFIT (PAINTED)
- EXISTING GYPSUM BOARD SOFFIT
- SUPPLY AIR DIFFUSERS. SEE MECHANICAL DRAWINGS
- RETURN AIR GRILLE. SEE MECHANICAL DRAWINGS
- 2'X2' LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- 2'x4' LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- STRIP LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- RECESSED CAN LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- SUSPENDED CIRCULAR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- S CEILING MOUNTED SMOKE DETECTOR. SEE ELECTRICAL DRAWINGS
- OC CEILING MOUNTED OCCUPANCY SENSOR, SEE ELECTRICAL DRAWINGS
- S CEILING MOUNTED SPEAKER. SEE ELECTRICAL DRAWINGS CEILING
- V MOUNTED VAPE DETECTOR. SEE ELECTRICAL DRAWINGS CEILING
- C MOUNTED CAMERA. SEE ELECTRICAL DRAWINGS WALL MOUNTED EXIT
- SIGN SEE ELECTRICAL DRAWINGS
- C# CEILING CONSTRUCTION KEY NOTE.

CEILING KEY NOTES:

APPLICABLE TO THIS SHEET ONLY

- C1 CEILING GRID TO ALIGN WITH MAIN FIELD GRID
- C2 SOFFIT AND LIGHT LOCATIONS SHALL BE SIM. AND ALIGN WITH SOFFIT AT OPPOSITE SIDE
- C3 METAL STUD AND GYPSUM BOARD SOFFIT, SEE DETAIL 1/A-500
- C4 METAL STUD AND GYPSUM BOARD SOFFIT, SEE DETAIL 2/A-500
- C5 METAL STUD AND GYPSUM BOARD SOFFIT, SEE DETAIL 3/A-500
- C6 3 5/8" 20 GA. MTL. STUDS AT 16" O.C. WITH PAINTED 5/8" GYPSUM BD. CEILING
- C7 SOFFIT RECESSED POWERED WINDOW SHADE BY MECHO SHADE, MODEL ELECTROSHADE ELECTRO/1 EXTENDED BRACKET. GYPSUM POCKET TO BE FINISHED AND PAINTED. SHADES TO BE TIED INTO LOCKDOWN SYSTEM, COORDINATE WITH ELECTRICAL. SEE FINISH DRAWINGS FOR SHADE FINISH

REVISIONS



KEY PLAN

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02-09-2026

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architecture | engineering | interior design
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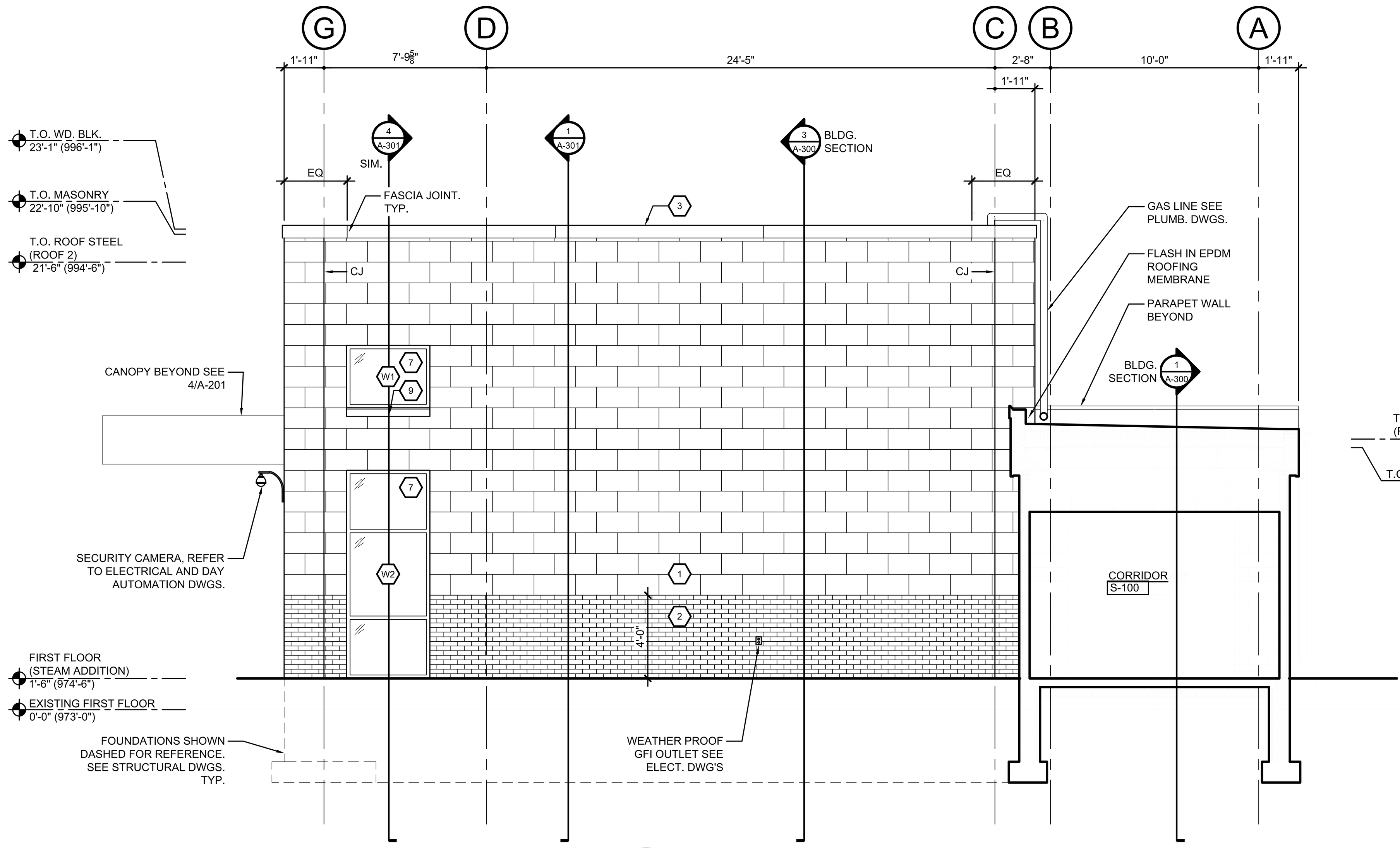
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

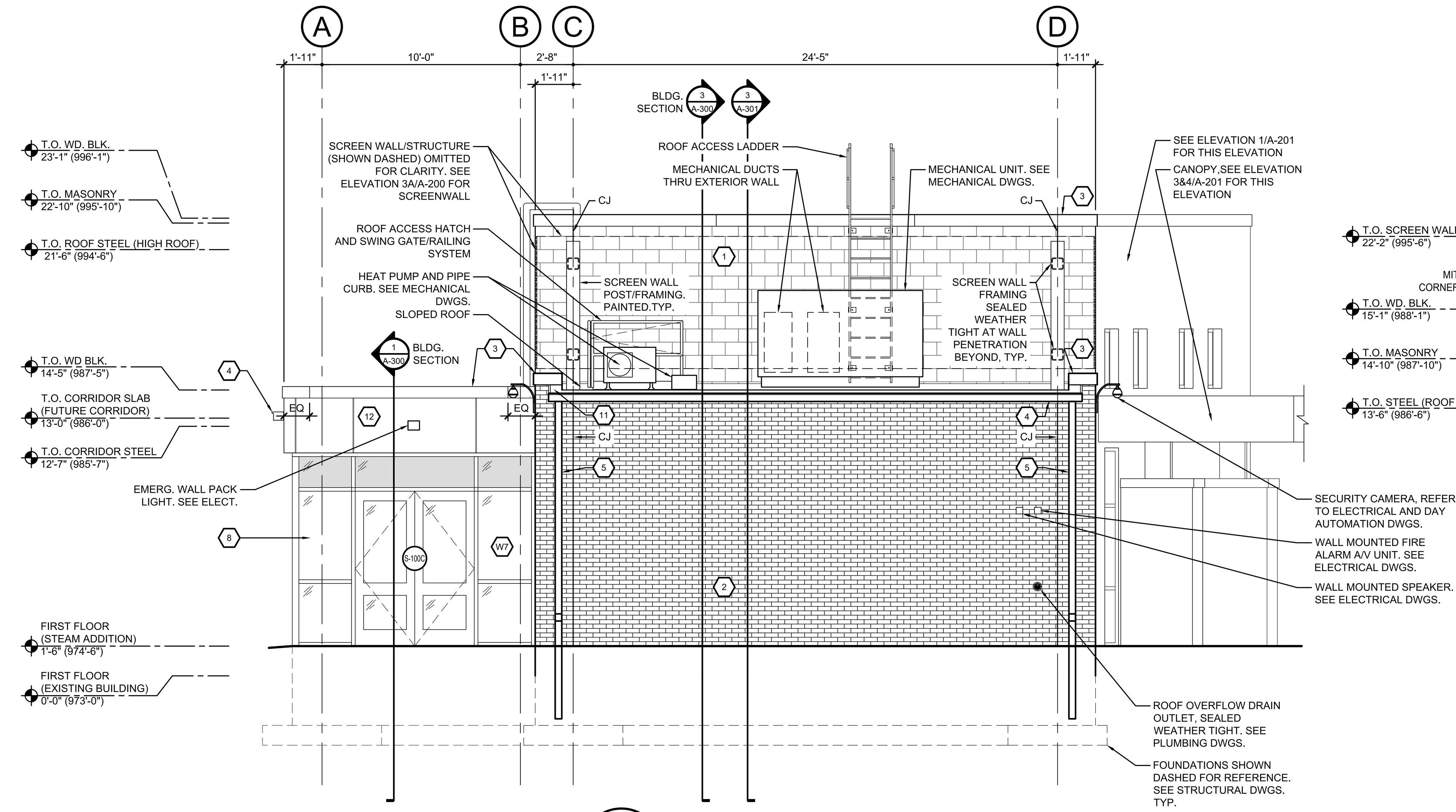
DRAWING TITLE:
PARTIAL RENOVATION PLANS (LIBRARY)

DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: DM	DRAWING NO.: A-108
DATE: 02-09-2026	

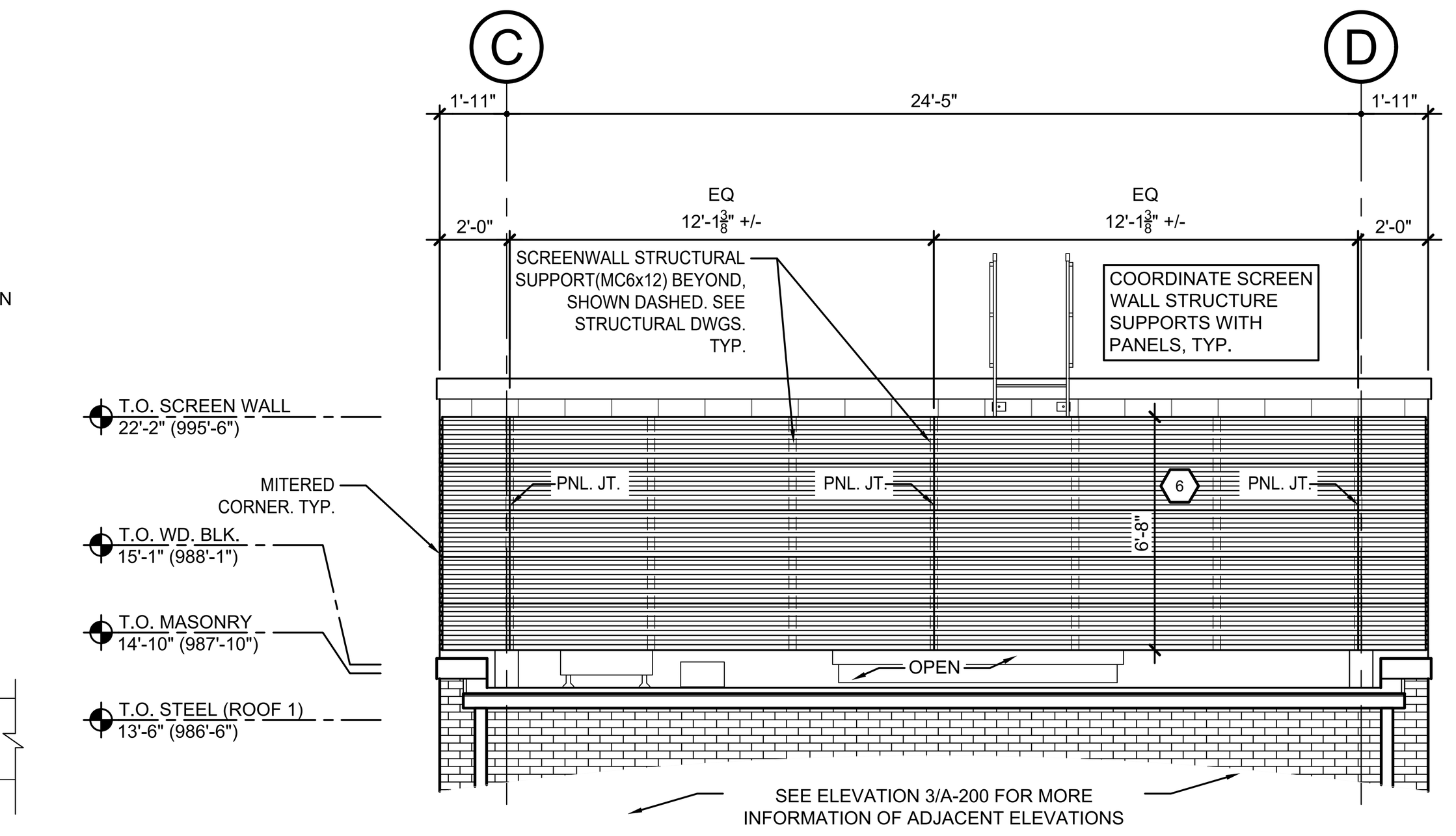
CAD FILE: DRAWING1.DWG
PLOT DATE: 2/4/2026



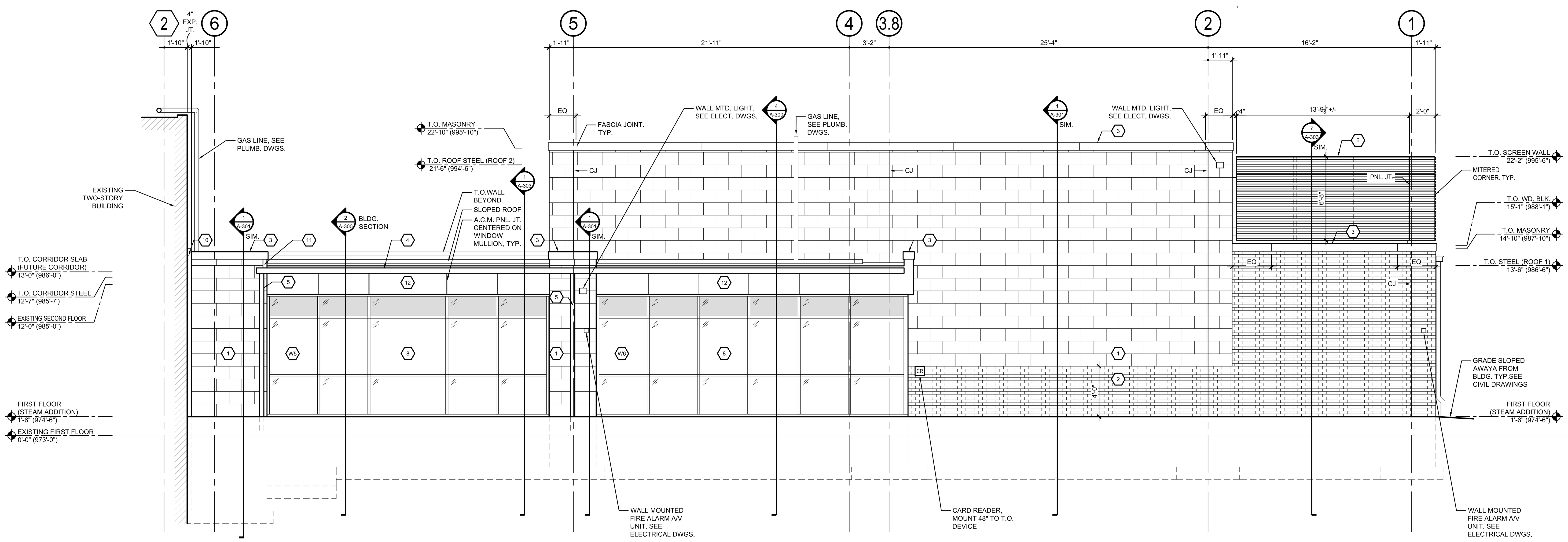
1 NORTH ELEVATION
A-200
SCALE: 1/4"=1'-0"



3 SOUTH ELEVATION
A-200
SCALE: 1/4"=1'-0"



3A SCREENWALL SOUTH ELEVATION
A-200
SCALE: 1/4"=1'-0"



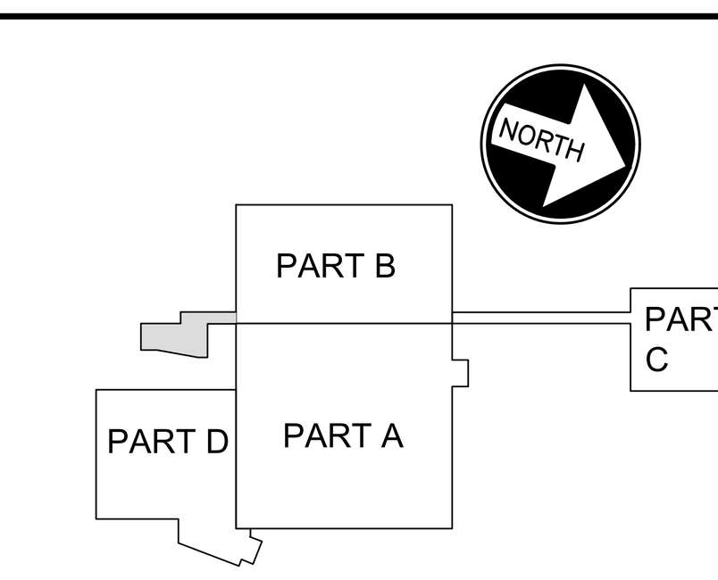
2 WEST ELEVATION
A-200
SCALE: 1/4"=1'-0"

MATERIAL LEGEND

APPLICABLE TO THIS SHEET AND A-201 ONLY

1. 12"X24" MASONRY VENEER. RENAISSANCE BY ARRISCRAFT. COLOR TO BE NUTMEG, SANDBLASTED. MORTAR TO BE BY WORKRITE. COLOR TO BE WR2906 OLDE COLONY.
2. STANDARD VEENER BRICK MASONRY. MUDBOX SERIES BY WATSONTOWN BRICK. COLOR TO BE WALNUT WATEX FLASHED. MORTAR TO BE BY WORKRITE. COLOR TO BE WR2906 OLDE COLONY.
3. GRAVEL STOP FASCIA. COLOR TO BE HARTFORD GREEN.
4. GUTTER. COLOR TO BE HARTFORD GREEN.
5. DOWNSPOUT. COLOR TO BE HARTFORD GREEN.
6. SCREENWALL. 16" WIDE HORIZONTAL .050" PRE-FINISHED ALUMINUM RIGID WALL II MFN 160WITH MITERED CORNERS BY ATAS INTERNATIONAL, INC. ALL EXPOSED EDGES SHALL BE PROVIDED WITH ELITE TRIM BY MANUF TO MATCH PANEL FINISH. COORDINATE WITH AND ANCHOR TO STRUCTURAL SUPPORTS. COLOR TO BE HARTFORD GREEN.
7. FIXED WINDOW. 2-1/4" X 6" EFCO 5600 DURACAST PRODUCT WITH 1" INSULATED GLASS. GLASS TO BE 1" INSULATED GLASS SOLARBAN 60 BY VITRO GLASS. FRAME COLOR TO BE HARTFORD GREEN.
8. FIXED WINDOW SYSTEM. 2-1/4" X 6" EFCO 5600 DURACAST PRODUCT WITH THERMASTILE DOORS. FRAME COLOR TO BE HARTFORD GREEN. GLASS TO BE 1" INSULATED GLASS SOLARBAN 60 BY VITRO GLASS. SHADED AREA INDICATES 1" INSULATED COORDINATED SPANDREL GLASS WITH "WARM GRAY" BACKING.
9. WINDOW SILL. 1 PIECE CONTINUOUS CAST STONE. COLOR TO BE SELECTED FROM MANUF. FULL RANGE
10. 4" FIRE RATED EXPANSION JOINT
11. ROOFING MEMBRANE TERMINATION BAR AND ROOFING MEMBRANE
12. 2" ALUMINUM COMPOSITE PANEL SYSTEM BY ALUCOBOND, DRY REVEAL. COLOR TO BE HARTFORD GREEN
13. CAST STONE CAP. COLOR TO BE SELECTED FROM MANUF. FULL RANGE
14. EXPOSED STEEL COLUMN. PAINTED, COLOR TO BE HARTFORD GREEN
15. E.I.F.S. BY DRYVIT. OUTSULATION PLUS MD (MOISTURE DRAINAGE). TEXTURE TO BE SANDPEBBLE. PROVIDE CUSTOM COLOR TO MATCH EXISTING AGGREGATE PANEL. SUBMIT CUSTOM SAMPLES FOR VERIFICATION.
16. SLIDING WINDOW. 2-1/2" X 4 1/2" EFCO SX45 PRODUCT WITH 1" INSULATED GLASS. GLASS TO MATCH EXISTING ADJACENT. CONTRACTOR TO SUBMIT FIELD VERIFIED MATCHING GLASS FOR APPROVAL. FRAME COLOR TO BE HARTFORD GREEN. REMOVABLE INSECT SCREEN WITH MATCHING FRAME COLOR TO BE PROVIDE AT RESCUE WINDOW OPENING.

REVISIONS



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New York • Pennsylvania

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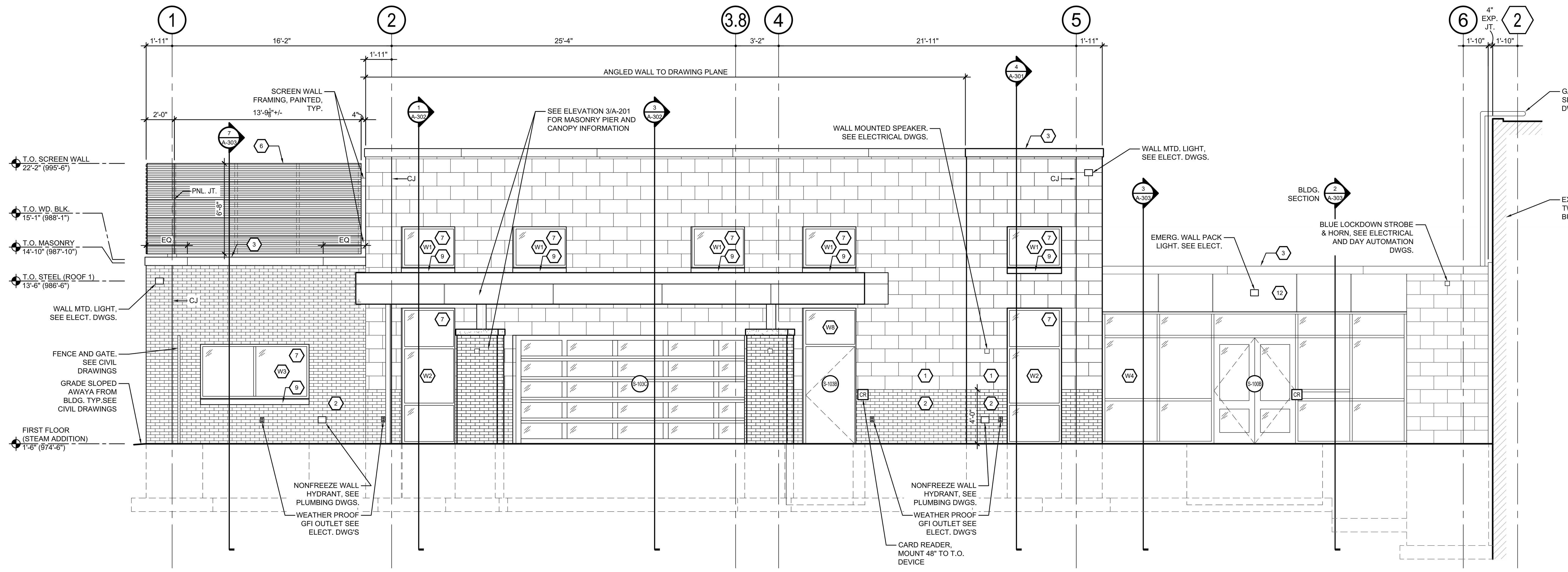
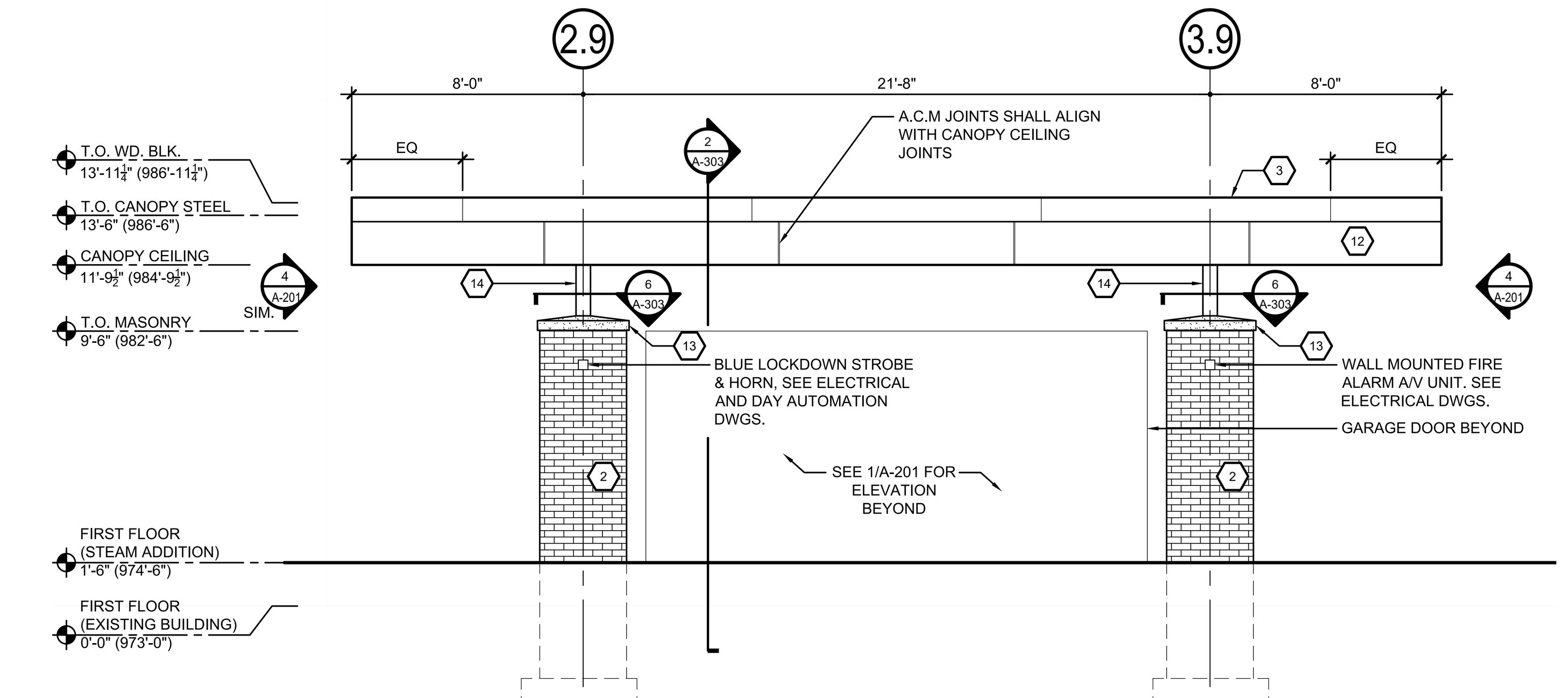
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:	EXTERIOR ELEVATIONS
DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: DM	DRAWING NO.:
DATE: 02-09-2026	A-200

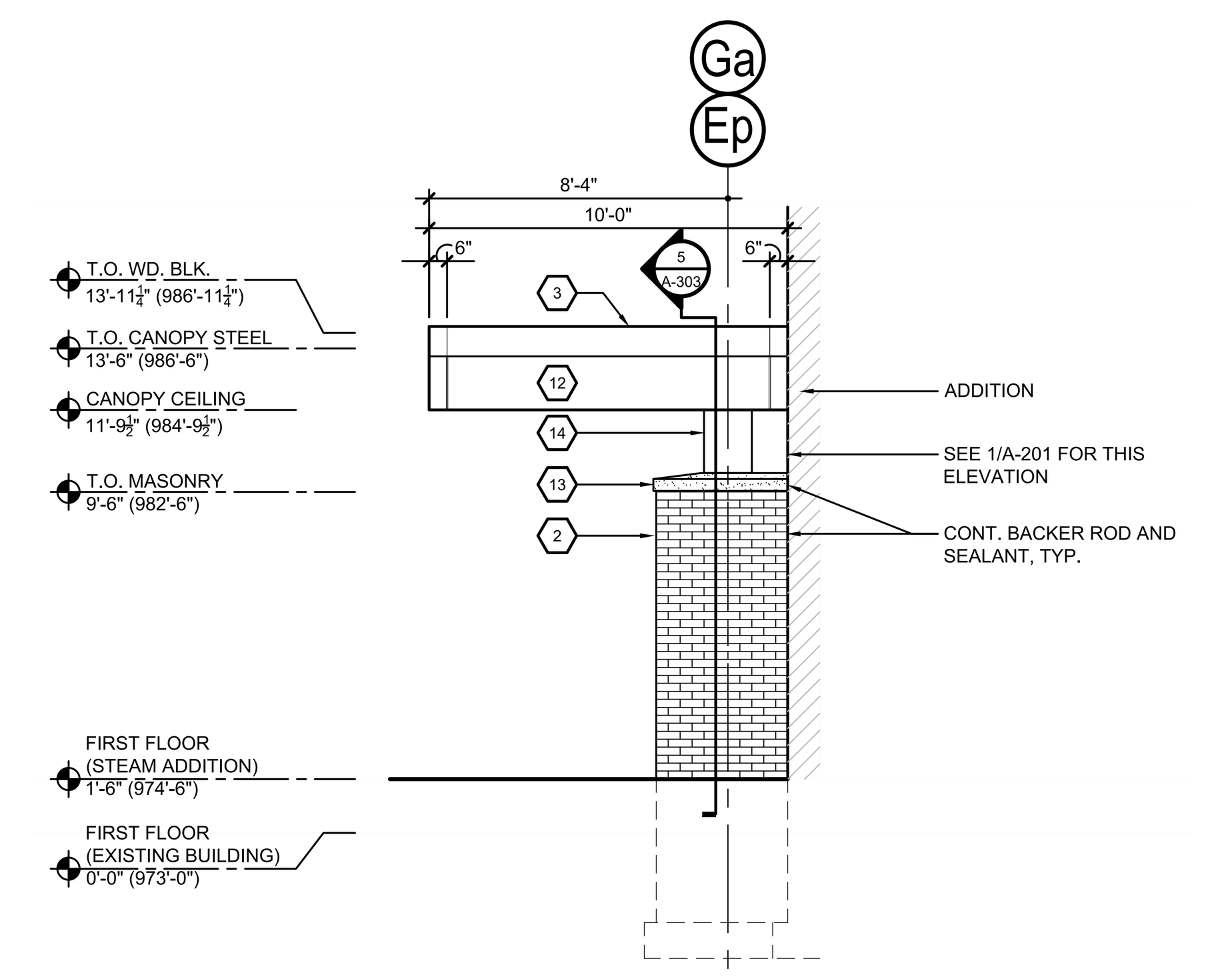


1 A-201 EAST ELEVATION
SCALE: 1/4"=1'-0"

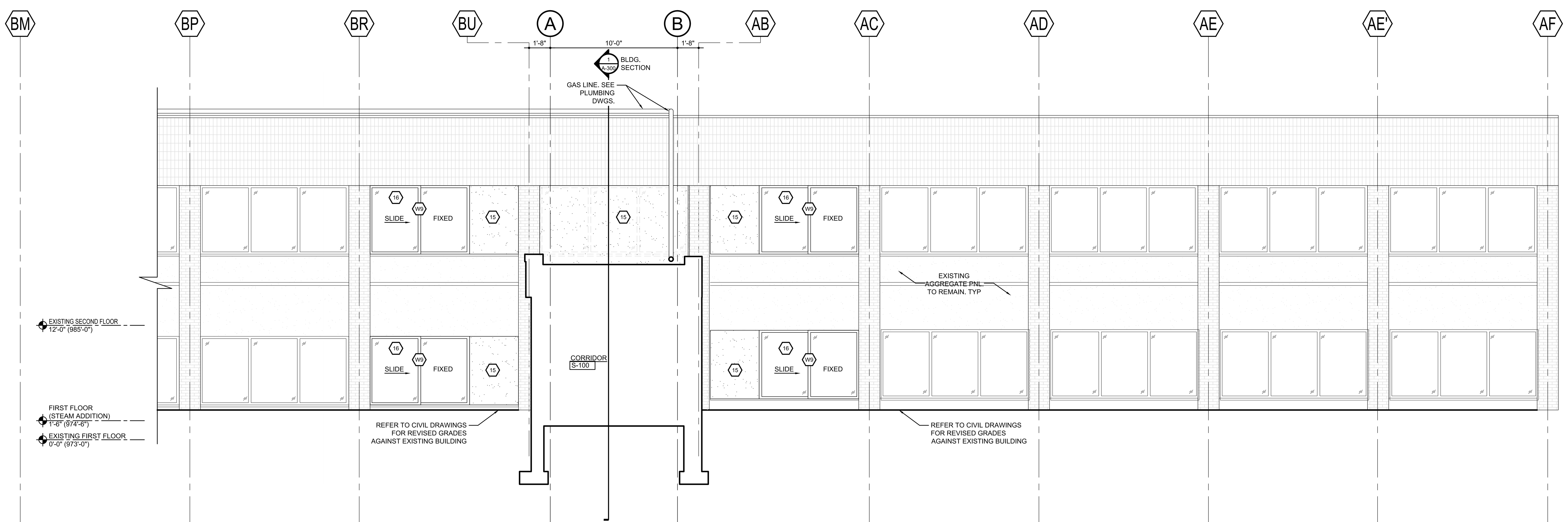
NOTE: REFER TO A-200 FOR MATERIAL LEGEND



3 A-201 CANOPY/PIER ELEVATION
SCALE: 1/4"=1'-0"



4 A-201 CANOPY/PIER ELEVATION
SCALE: 1/4"=1'-0"



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

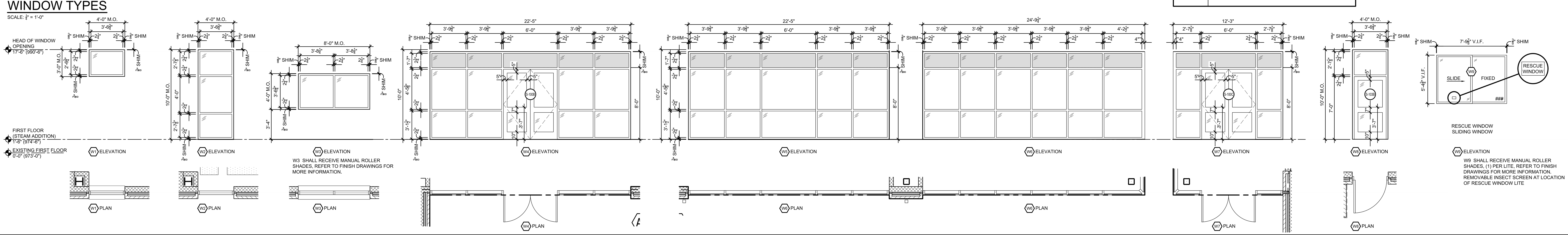
WINDOW SCHEDULE

WINDOW LEGEND:

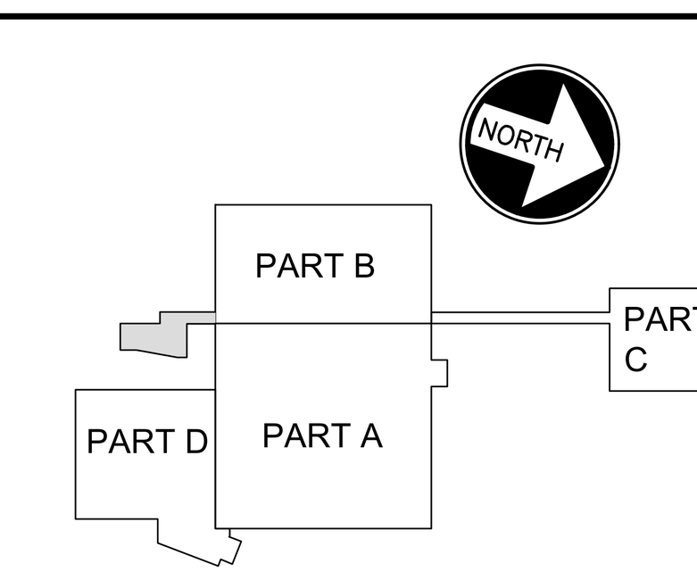
▭	RESCUE WINDOWS 3"x5" DECAL APPLIED TO BOTH SIDES OF GLASS. DECAL TO BE YELLOW BACKGROUND WITH BLACK TEXT. TEXT TO READ RESCUE WINDOW AS DEPICTED IN ENLARGED DETAIL WINDOW HARDWARE SHALL BE A MAXIMUM OF 54" ABOVE FINISHED FLOOR. MINIMUM CLEAR OPENING SHALL BE AT LEAST 6 SQUARE FEET AND THE MINIMUM DIMENSION SHALL BE 24" UNLESS OTHERWISE APPROVED.
###	3" HIGH DECAL NUMBERS. NUMBER SHALL MATCH ROOM NUMBER. COLOR TO BE WHITE COORDINATE WITH PLAN. 1 WINDOW PER ROOM SHALL CARRY THIS DESIGNATION. TYP. SEE DETAIL FOR TYPICAL LOCATION. OWNER TO APPROVE NUMBERING. PROVIDE DOCUMENTATION FOR OWNER SIGNOFF PRIOR TO APPLICATION. NUMBER TO BE LEGIBLE FROM EXTERIOR SIDE.

TYPICAL NOTES:
1. ALL WINDOW FRAMES TO BE "HARTFORD GREEN" U.O.N.
2. ALL WINDOW SIZES SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO ORDERING AND INSTALLING.
3. PROVIDE SHIMS AS REQUIRED.
4. PROVIDE CONTINUOUS SEALANT AT ALL SIDES AT BOTH INTERIOR AND EXTERIOR SIDES.
5. ALL GLASS IN NEW WINDOWS TO BE 1" INSULATED SOLARBAN® 60 SOLAR CONTROL LOW E GLASS.
6. WINDOW SHADES THAT OCCUR AT RESCUE WINDOW LOCATIONS MUST BE PROVIDED WITH THE SAME RESCUE WINDOW DECAL AND SHALL APPEAR ON INTERIOR SIDE OF SHADES WHEN IN THE CLOSED/DRAWN POSITION.
7. PROVIDE REMOVABLE INSECT SCREEN ON EXTERIOR SIDE OF OPERABLE WINDOW LITES. TYP.
8. SEE SPEC FOR BASIS OF DESIGN FOR WINDOW TYPES AND GLAZING

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



REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

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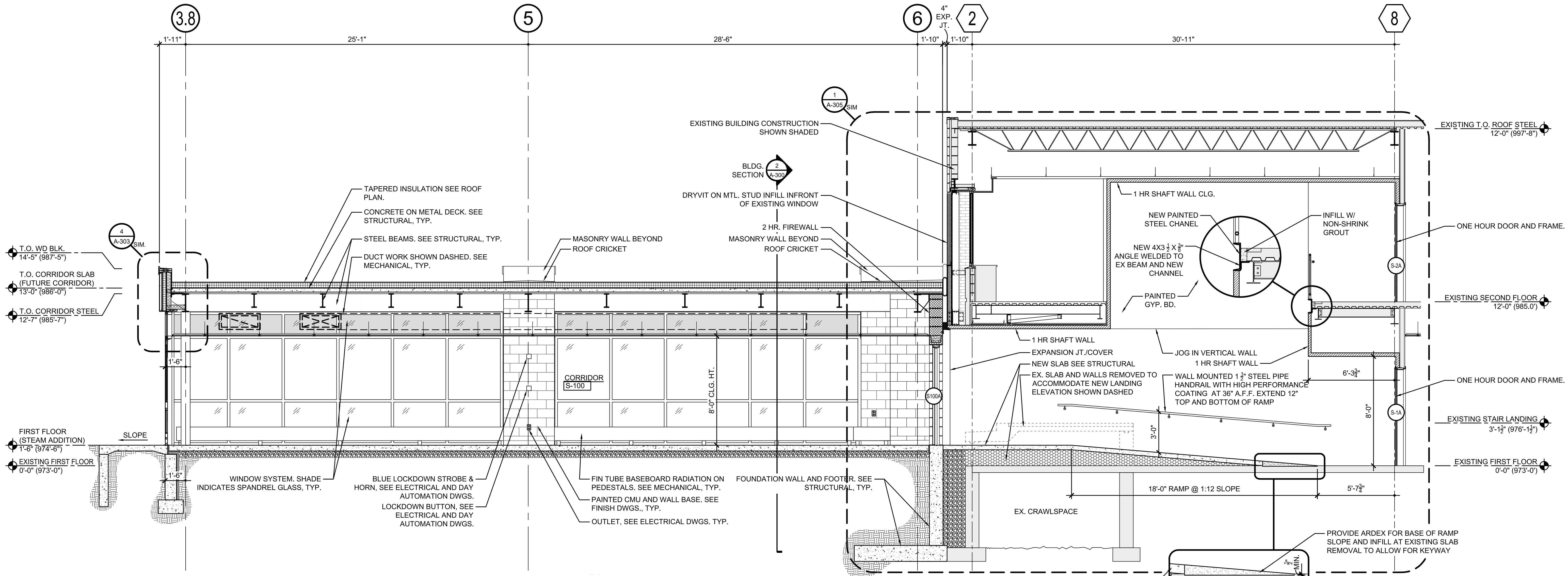
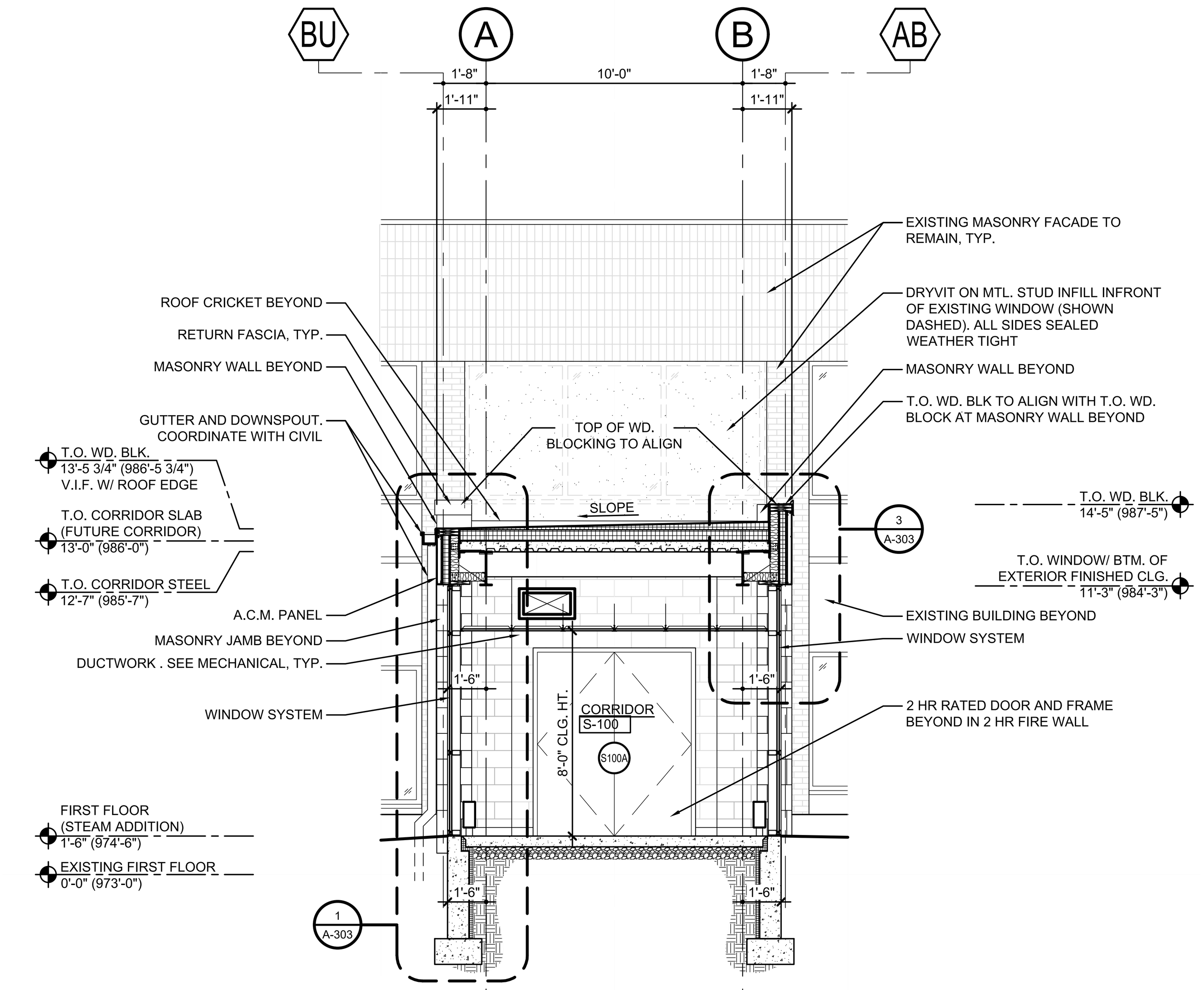
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:	EXTERIOR ELEVATIONS
DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: DM	DRAWING NO.: A-201
DATE: 02-09-2026	

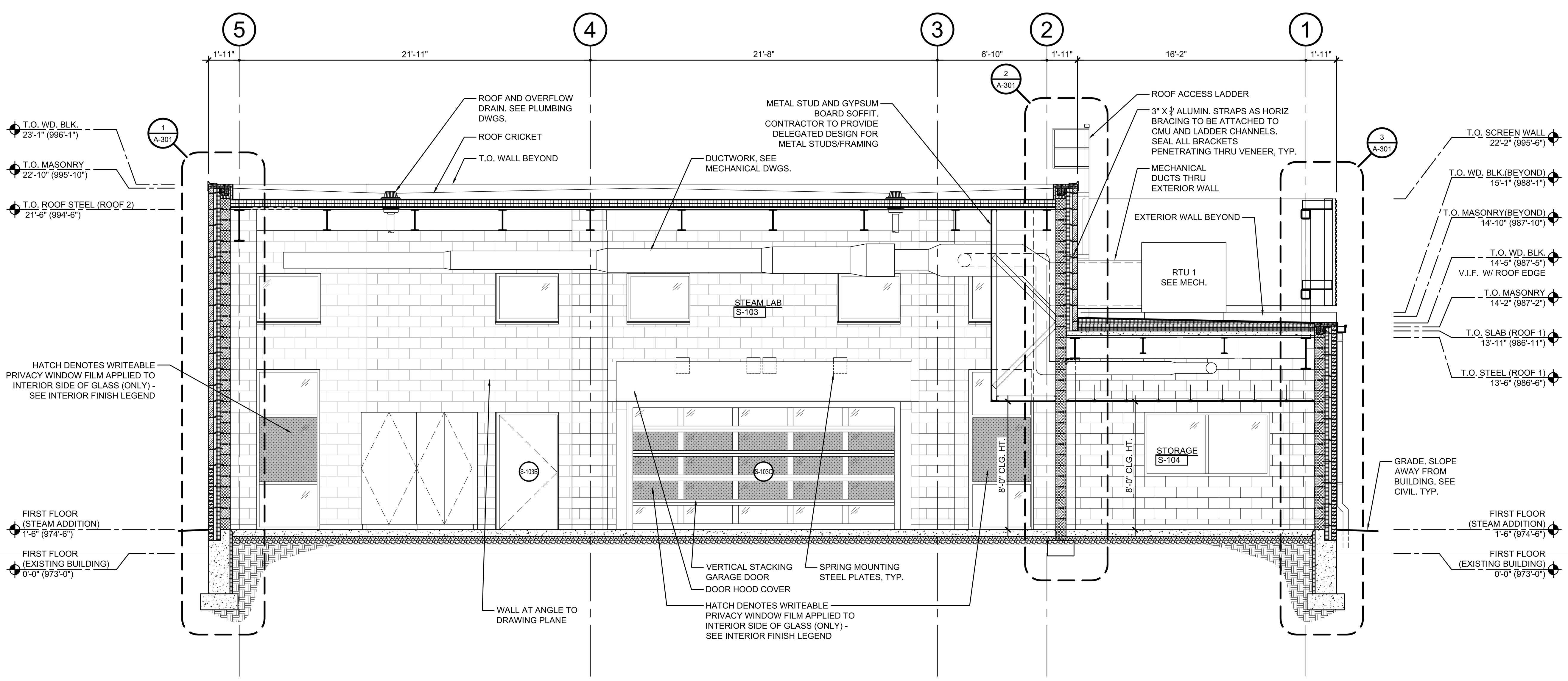
CAD FILE: 5151-A-200-201.DWG
PLOT DATE: 2/4/2026



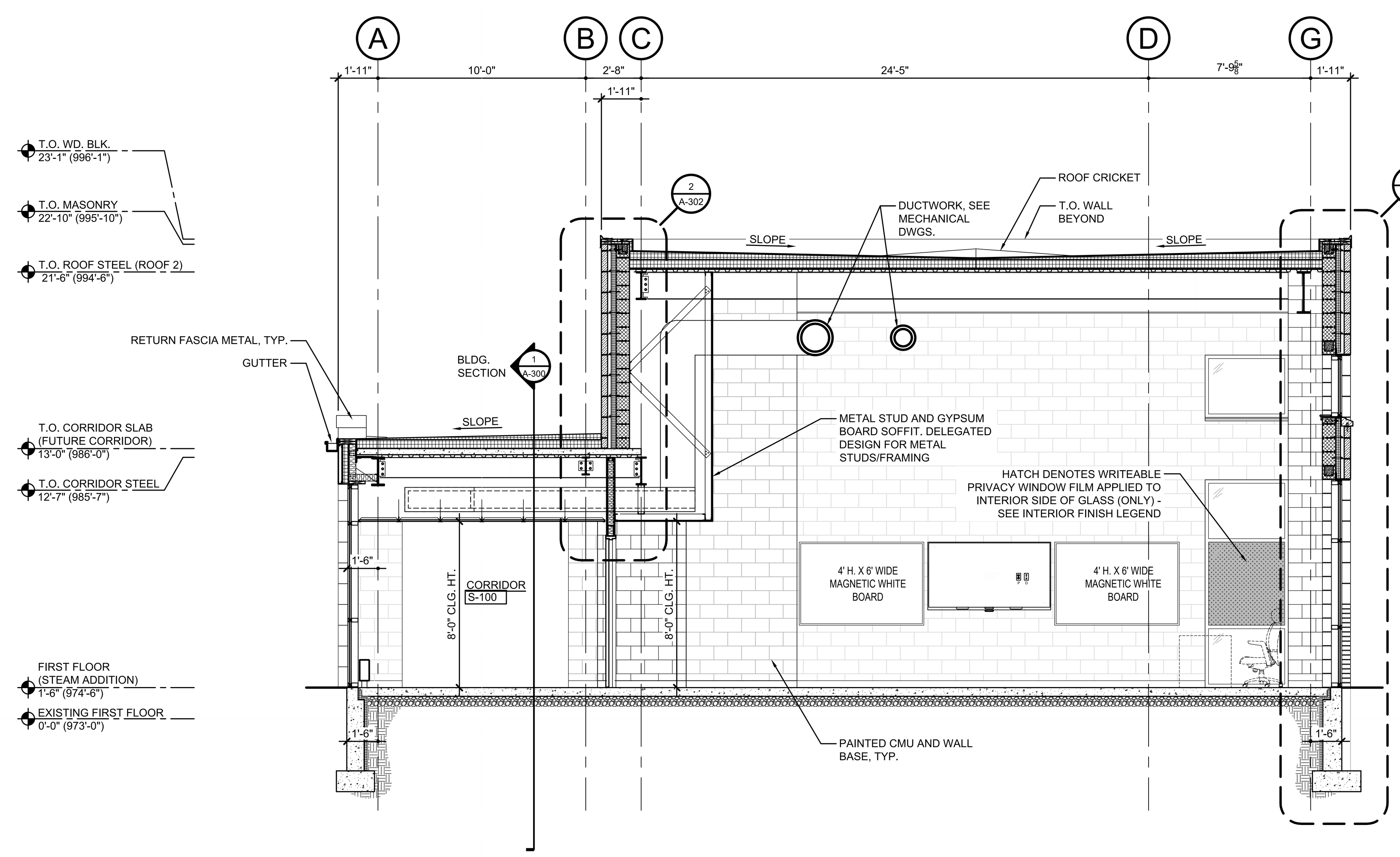
1 A-300 **CROSS SECTION**
SCALE: 1/4"=1'-0"



2 A-300 **CROSS SECTION**
SCALE: 1/4"=1'-0"

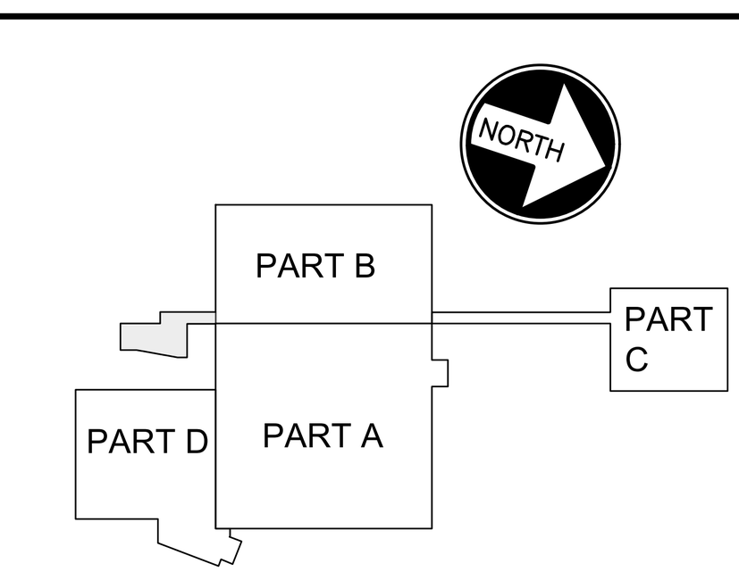


3 A-300 **CROSS SECTION**
SCALE: 1/4"=1'-0"



4 A-300 **CROSS SECTION**
SCALE: 1/4"=1'-0"

REVISIONS



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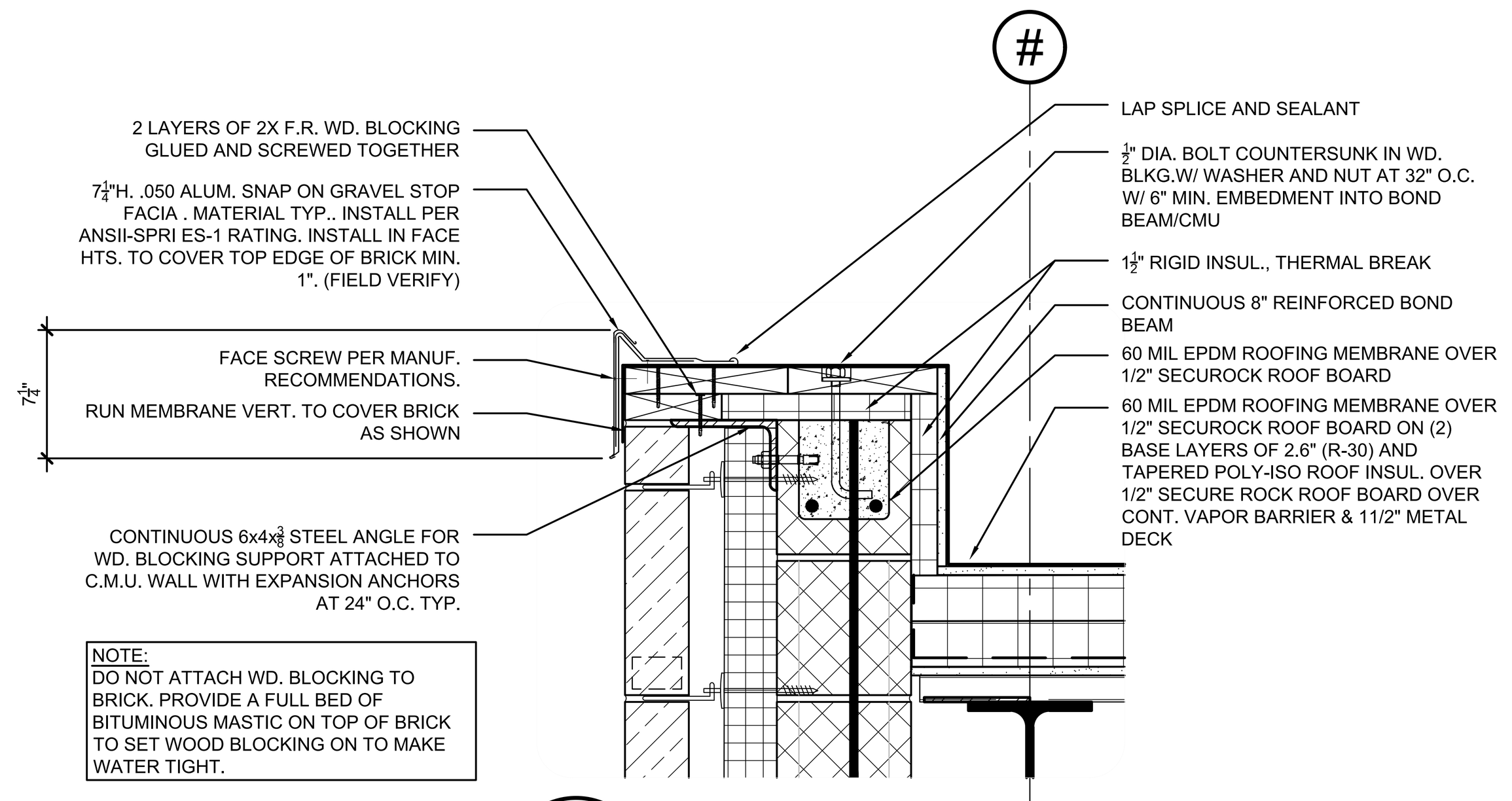
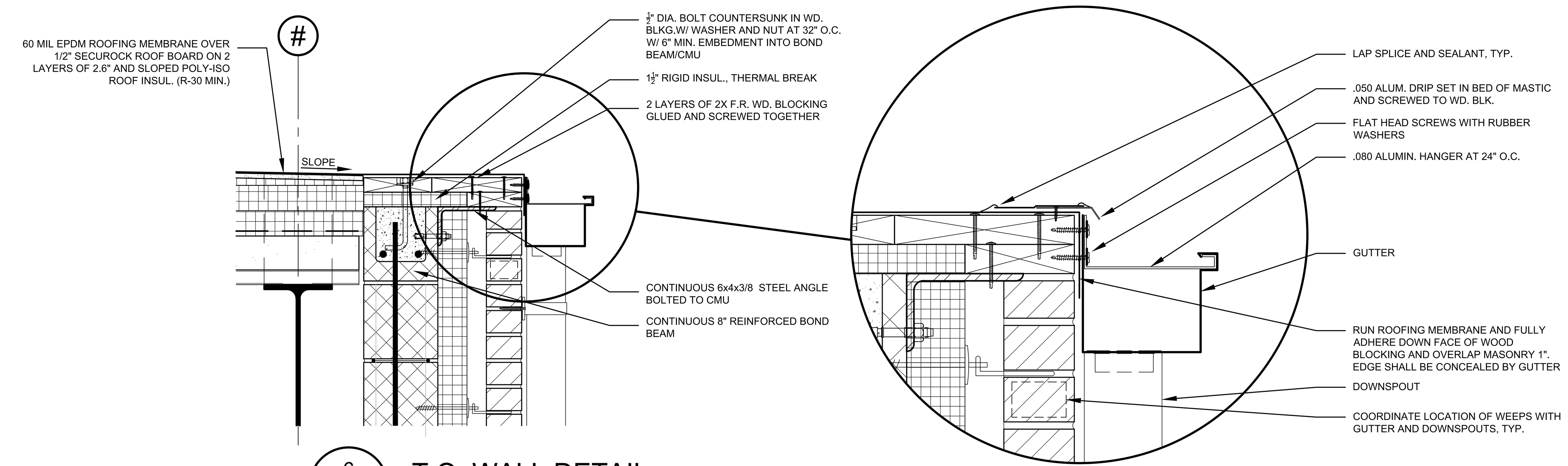
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
STEAM ADDITION CROSS SECTIONS

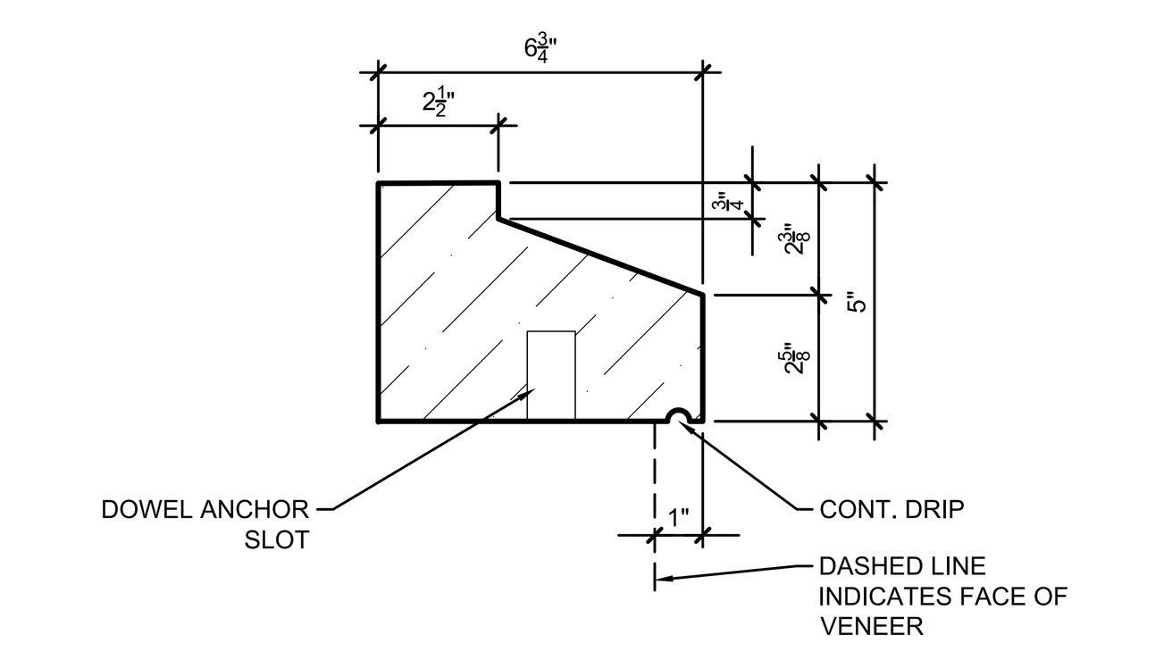
DRAWN BY:	PROJECT NO.:
CTP	2025-151P
CHECKED BY:	DRAWING NO.:
DM	A-300
DATE: 02-09-2026	



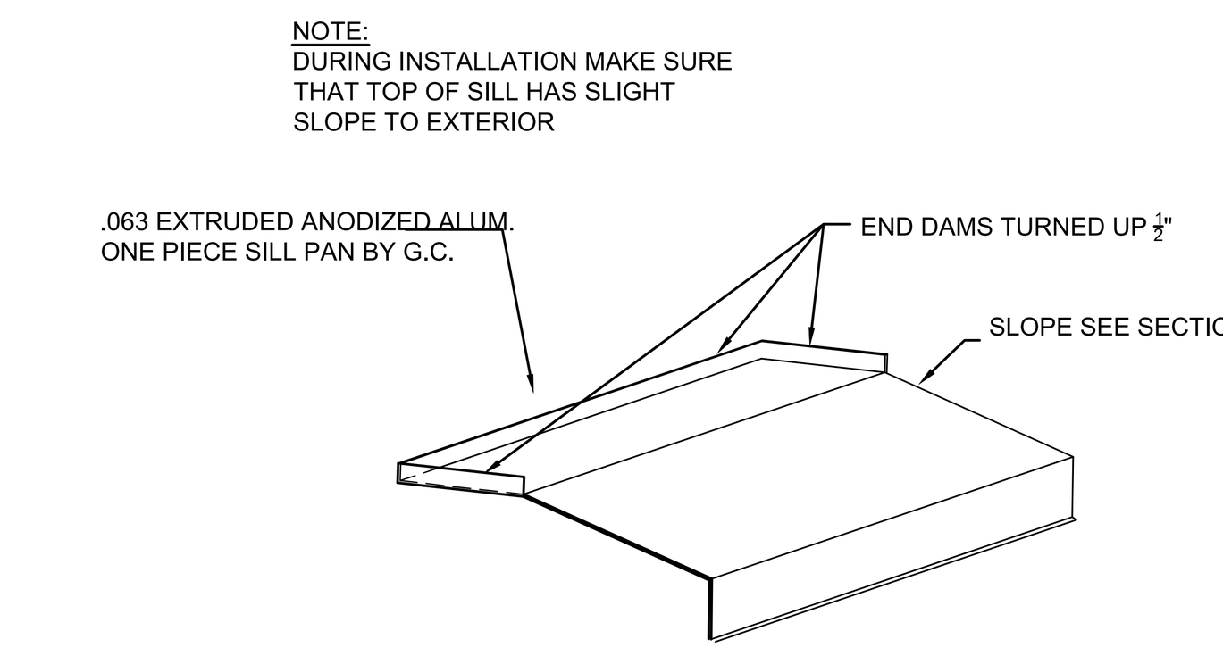
5 A-301 **T.O. WALL DETAIL**
SCALE: 1 1/2"=1'-0"



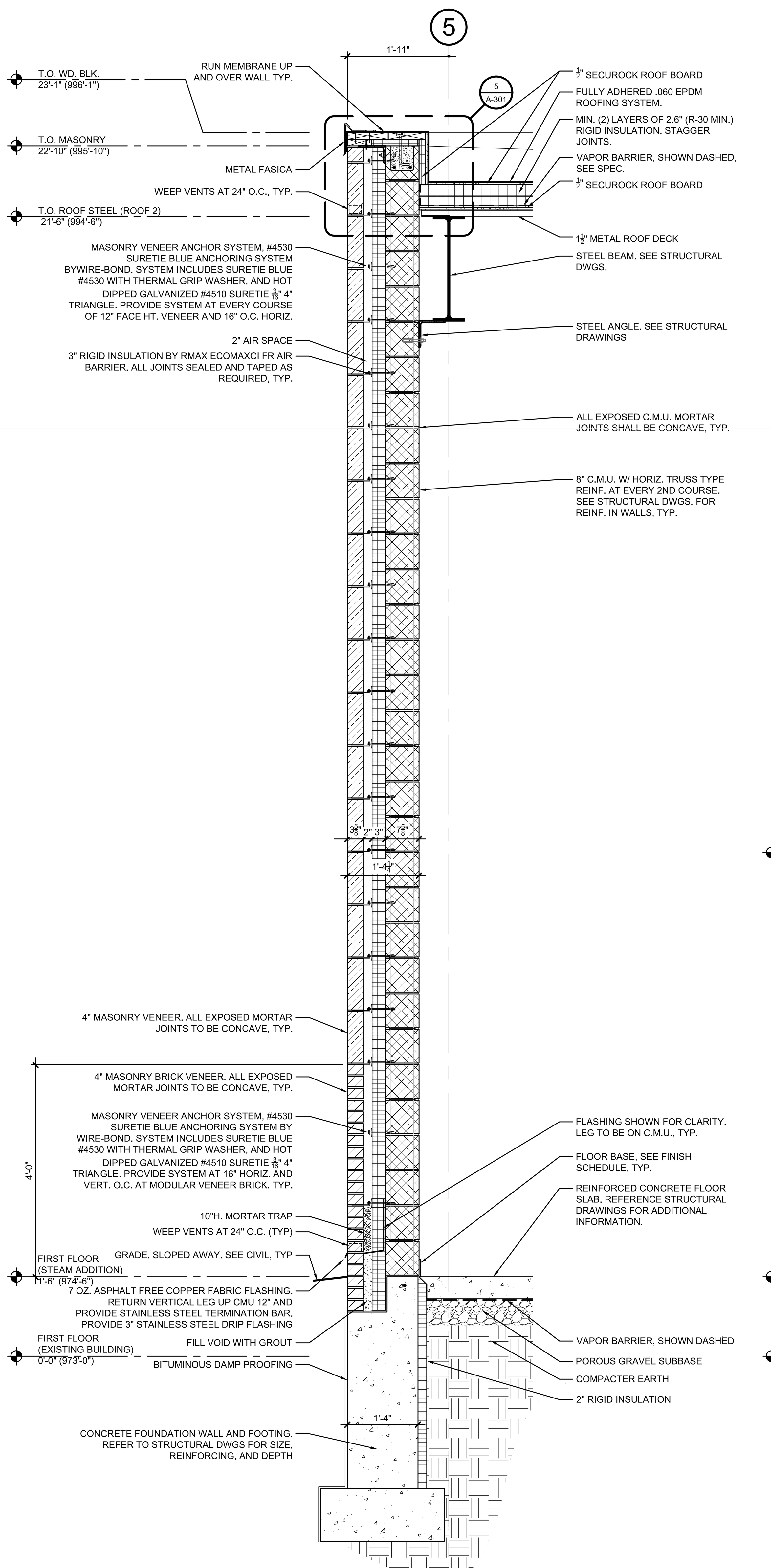
6 A-301 **T.O. WALL DETAIL**
SCALE: 1 1/2"=1'-0"



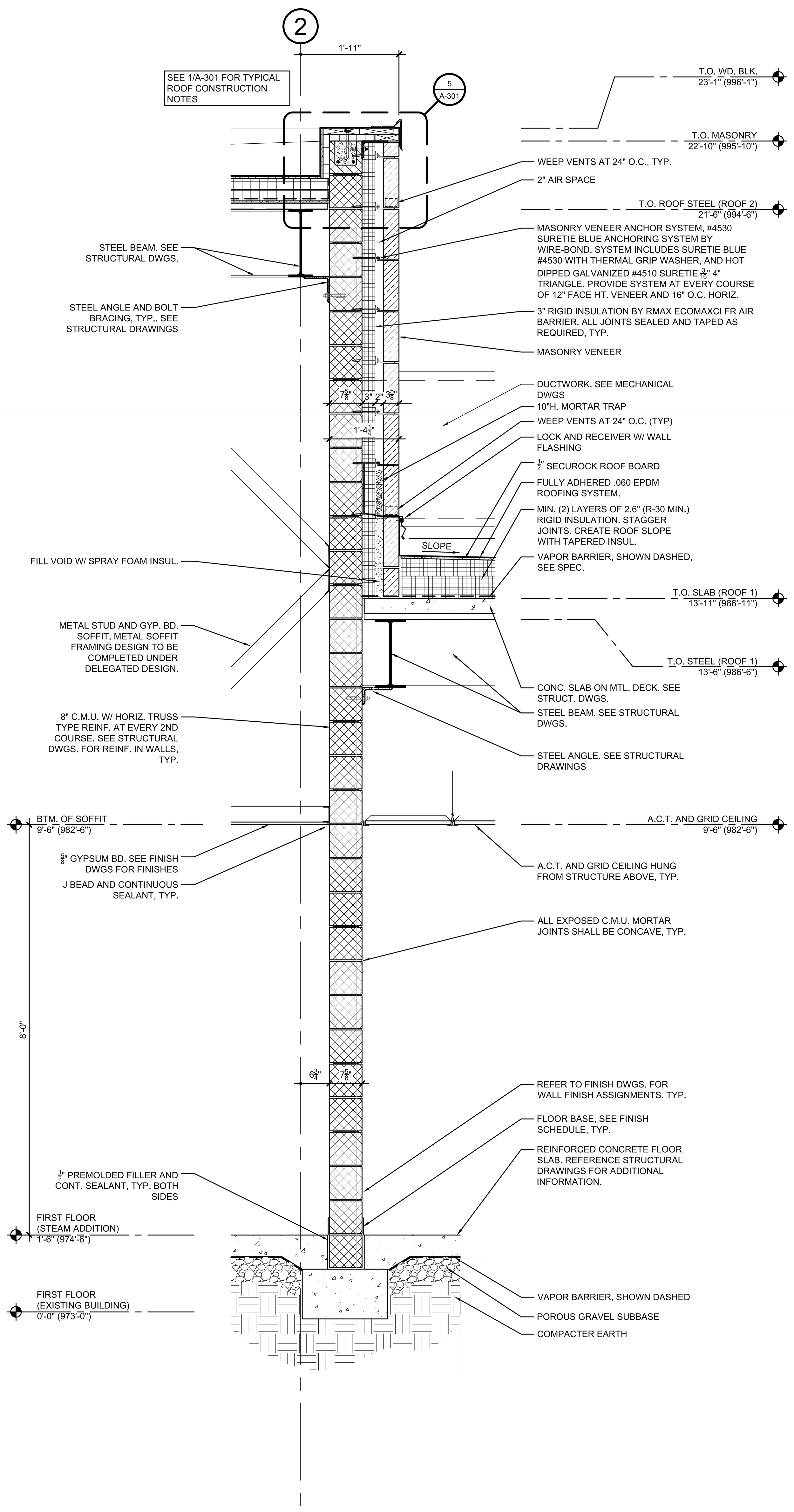
7 A-301 **SPECIAL SHAPE SILL DETAIL**
SCALE: 3"=1'-0"



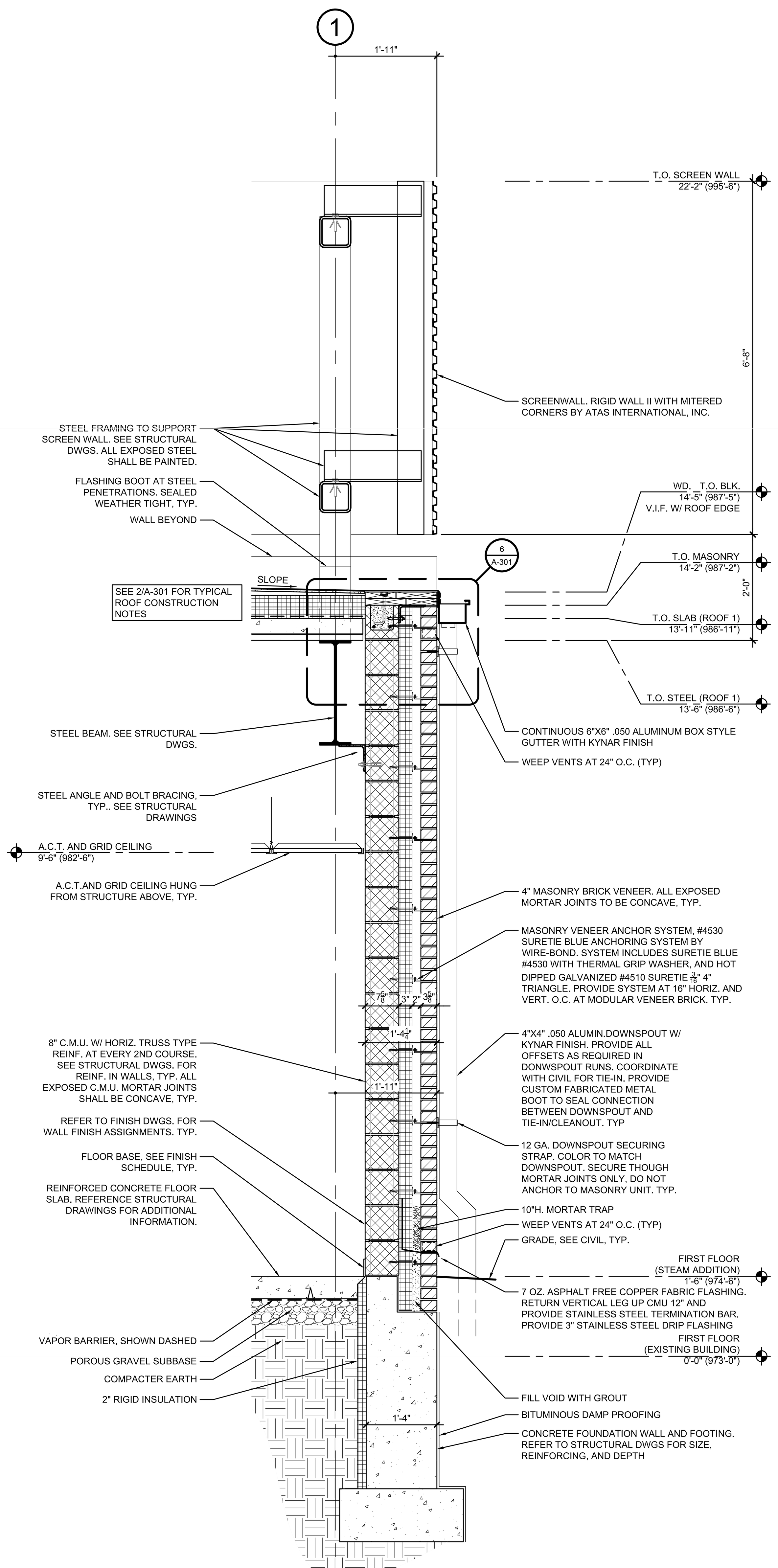
TYP. SILL PAN ISO- METRIC DETAIL



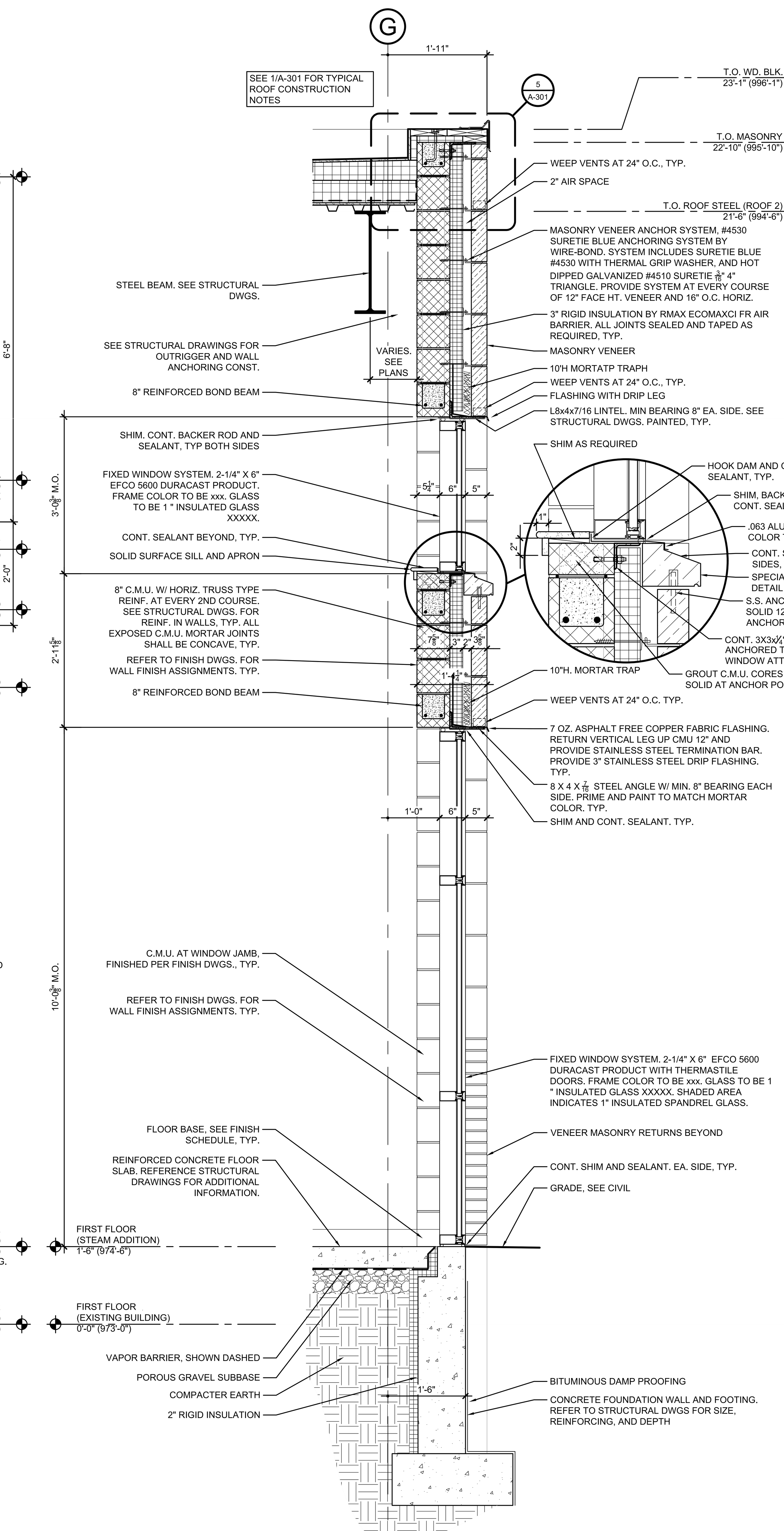
1 A-301 **WALL SECTION**
SCALE: 3/4"=1'-0"



2 A-301 **WALL SECTION**
SCALE: 3/4"=1'-0"

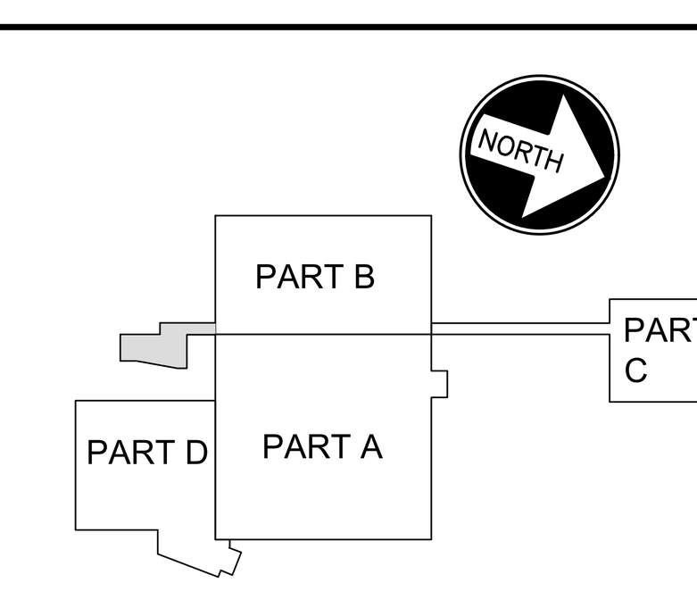


3 A-301 **WALL SECTION**
SCALE: 3/4"=1'-0"



4 A-301 **WALL SECTION**
SCALE: 3/4"=1'-0"

REVISIONS



KEY PLAN

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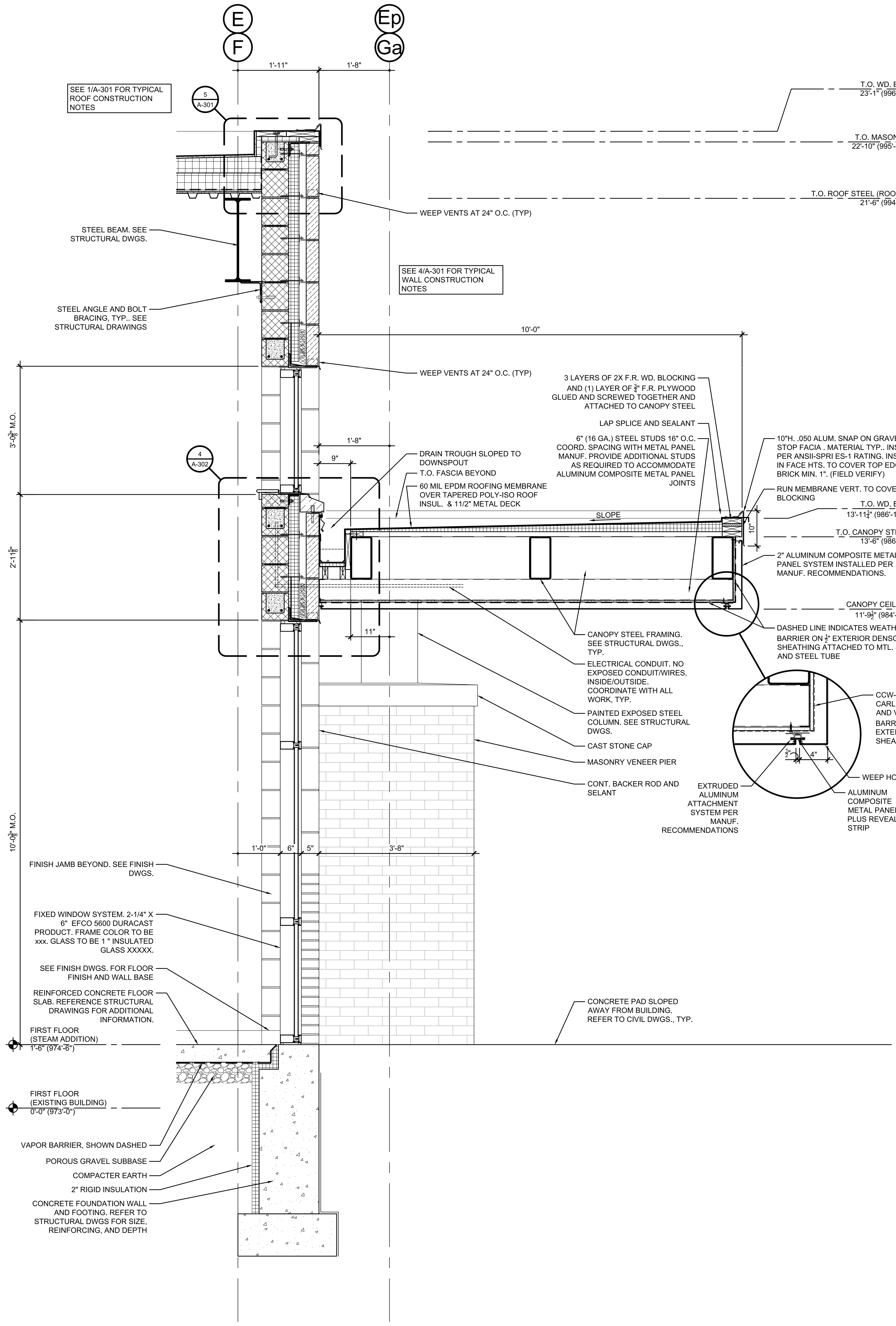
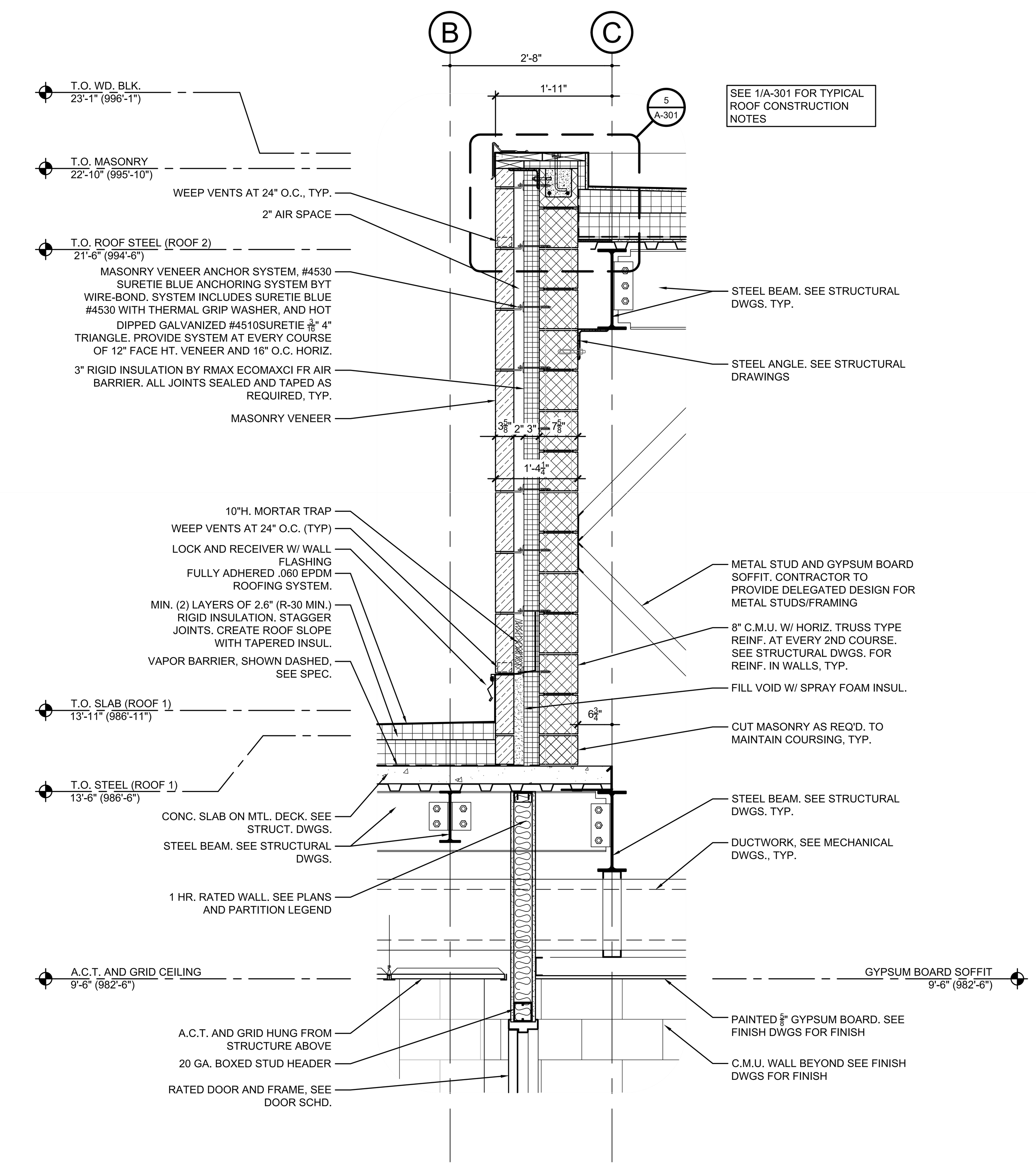
PROJECT TITLE:
Vestal
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
STEAM ADDITION WALL SECTIONS

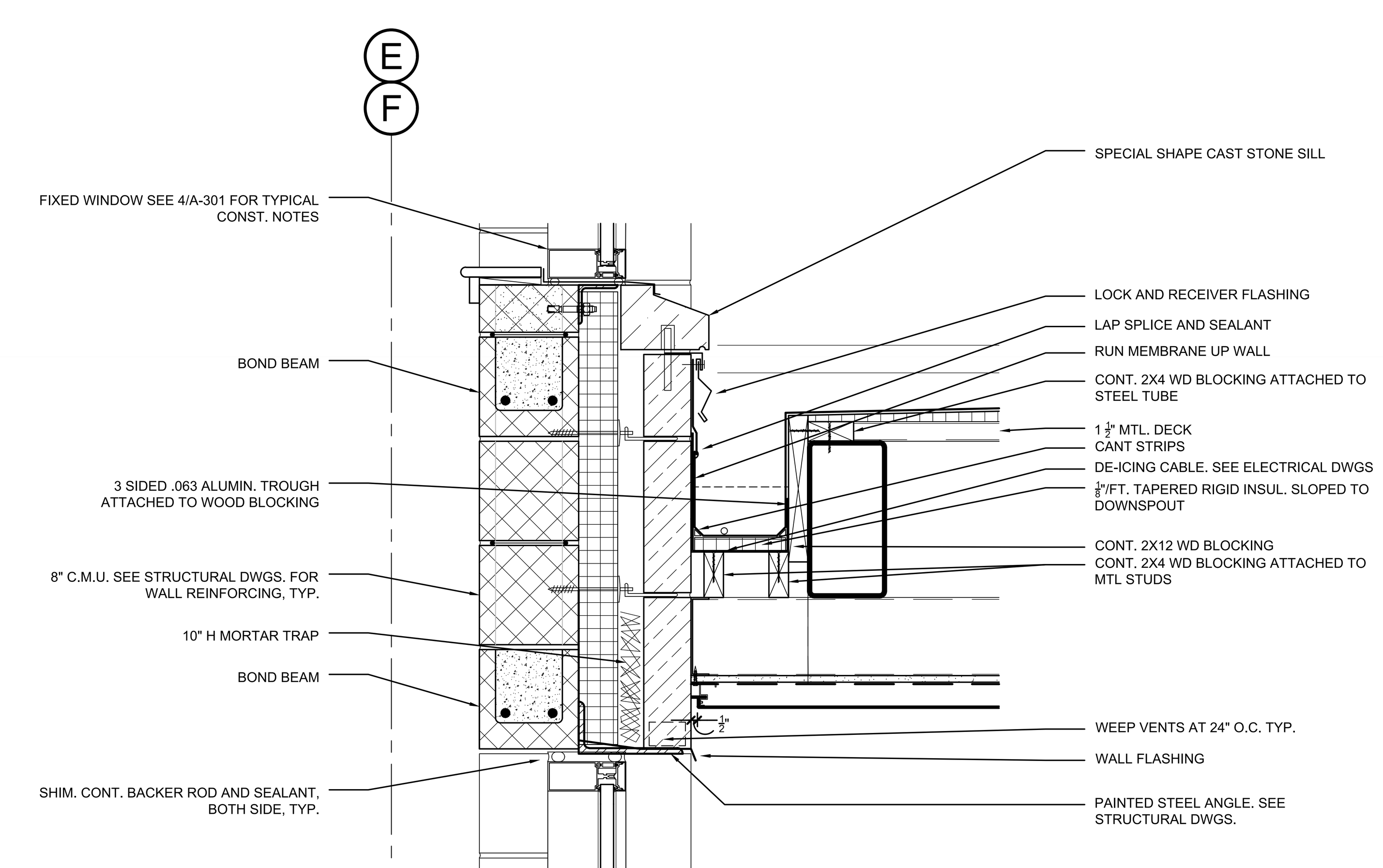
DRAWN BY:	CTP	PROJECT NO.:	2025-151P
CHECKED BY:	DM	DRAWING NO.:	A-301
DATE:	02-09-2026		



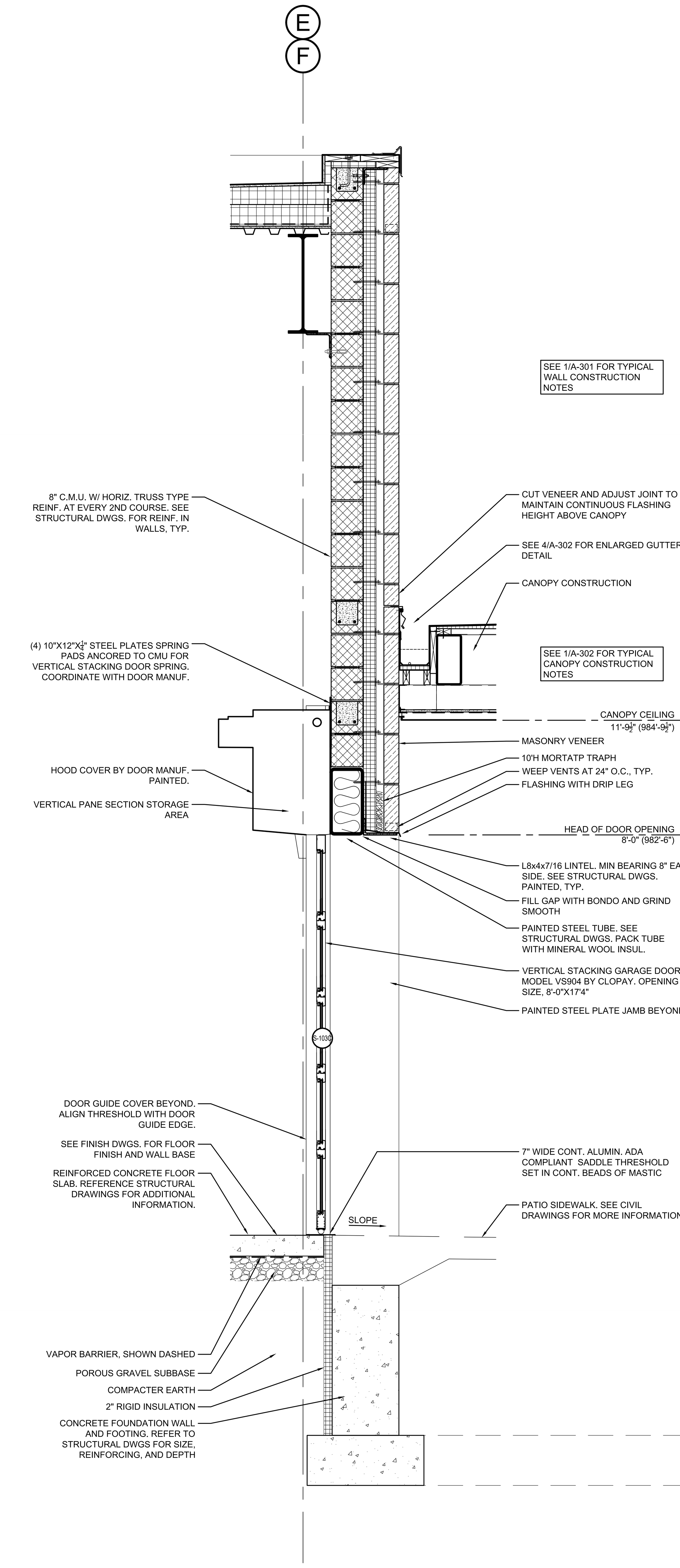
WALL SECTION (1/A-302)
SCALE: 3/4"=1'-0"



PARTIAL WALL SECTION (3/A-302)
SCALE: 3/4"=1'-0"

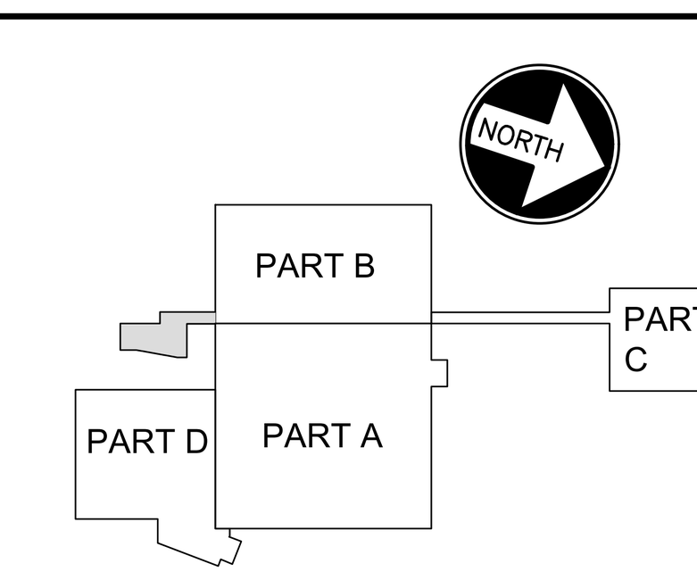


ENLARGED CANOPY GUTTER DETAIL (4/A-302)
SCALE: 1 1/2"=1'-0"



WALL SECTION (3/A-302)
SCALE: 3/4"=1'-0"

REVISIONS



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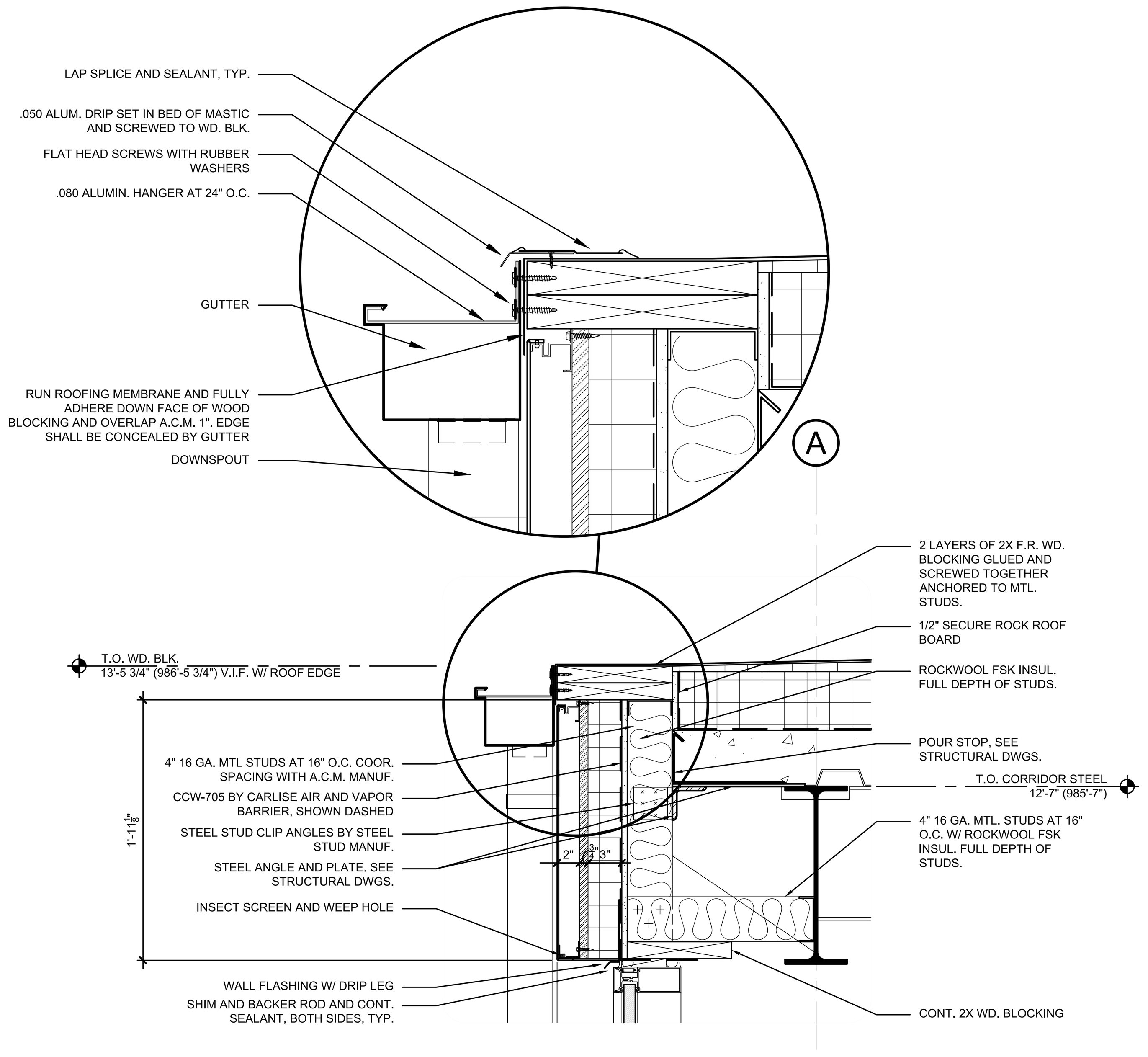
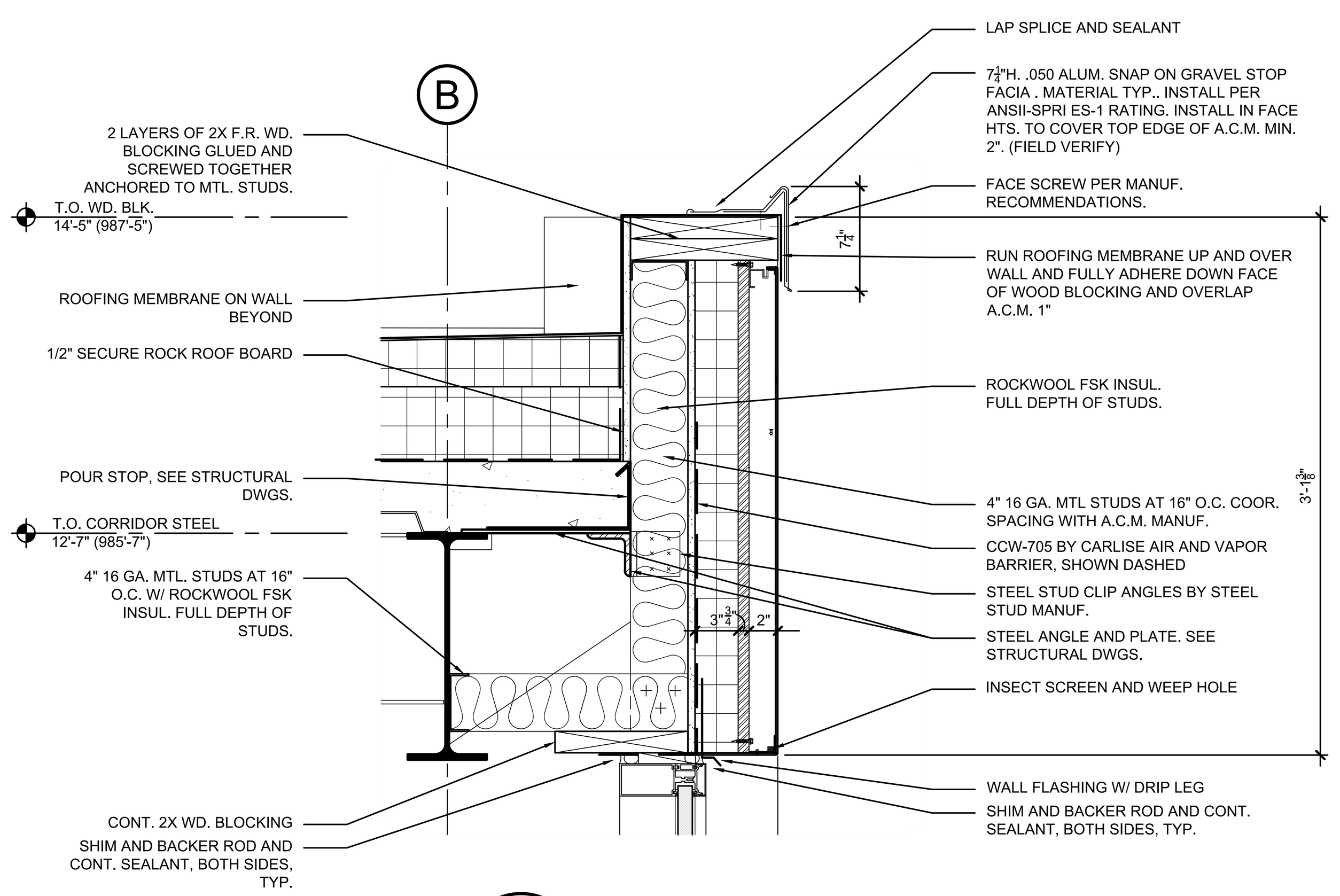
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
STEAM ADDITION WALL SECTIONS

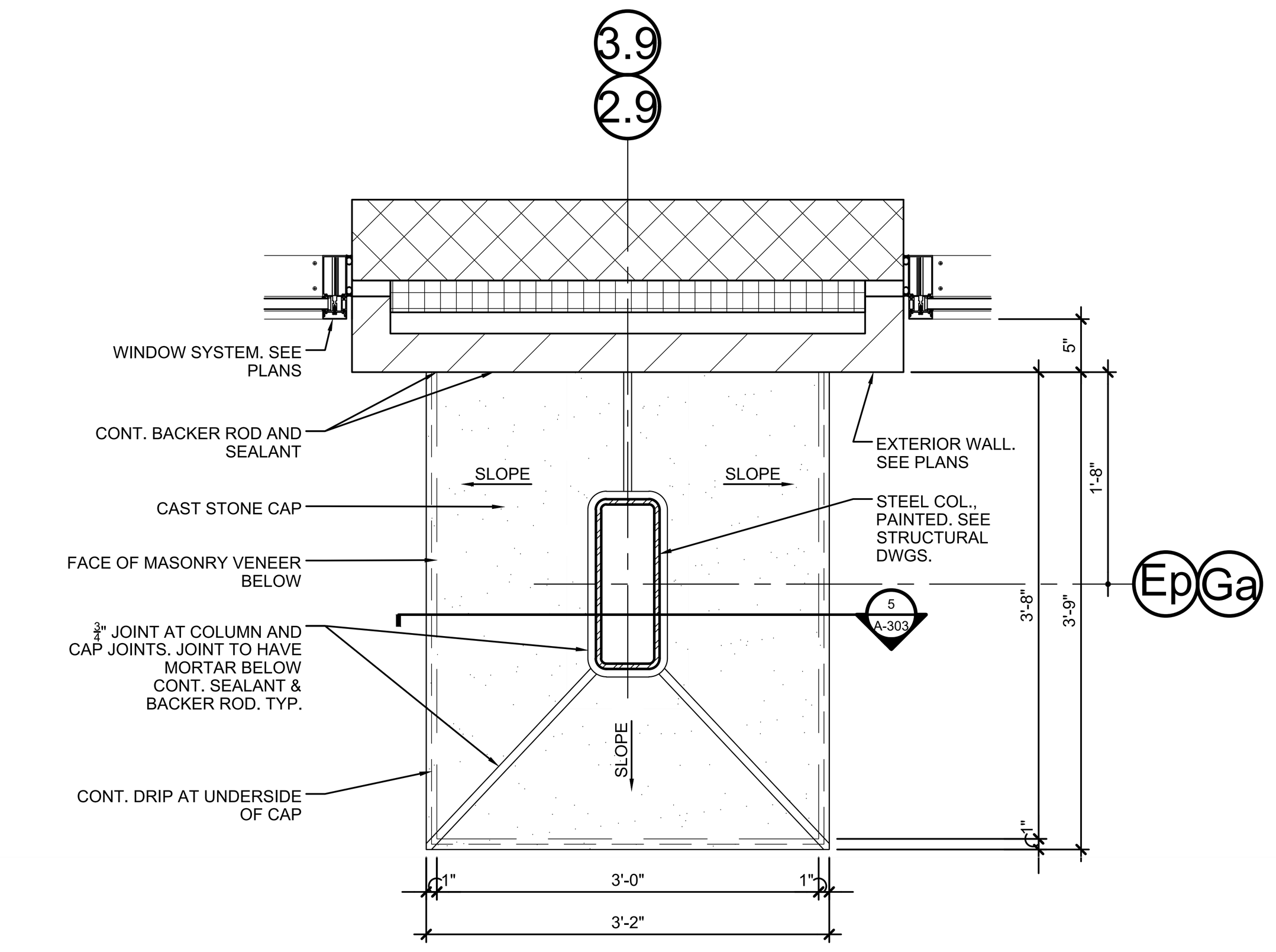
DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: DM	DRAWING NO.: A-302
DATE: 02-09-2026	



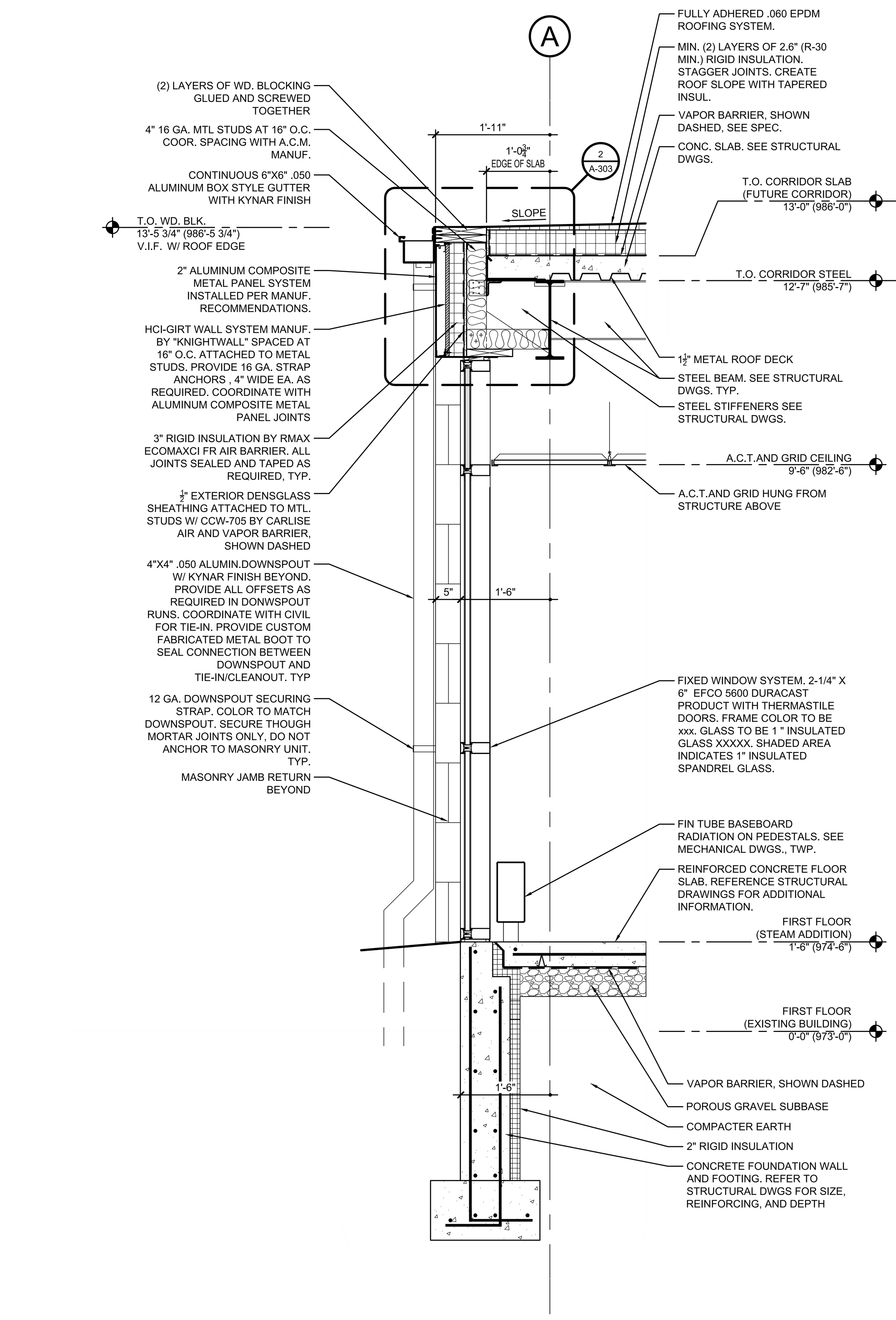
2 A-303 **T.O. WALL DETAIL**
SCALE: 1 1/2"=1'-0"



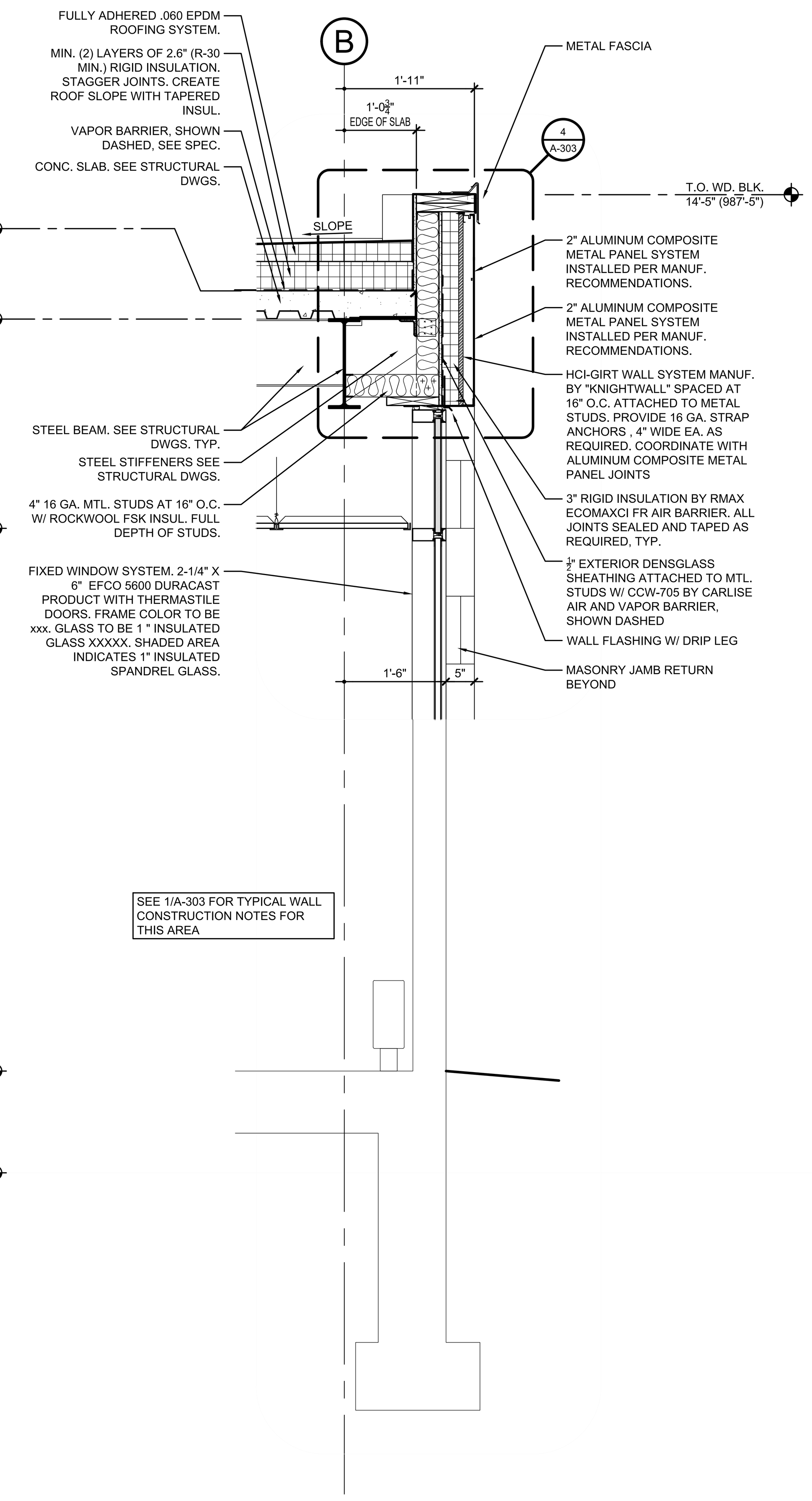
4 A-303 **T.O. WALL DETAIL**
SCALE: 1 1/2"=1'-0"



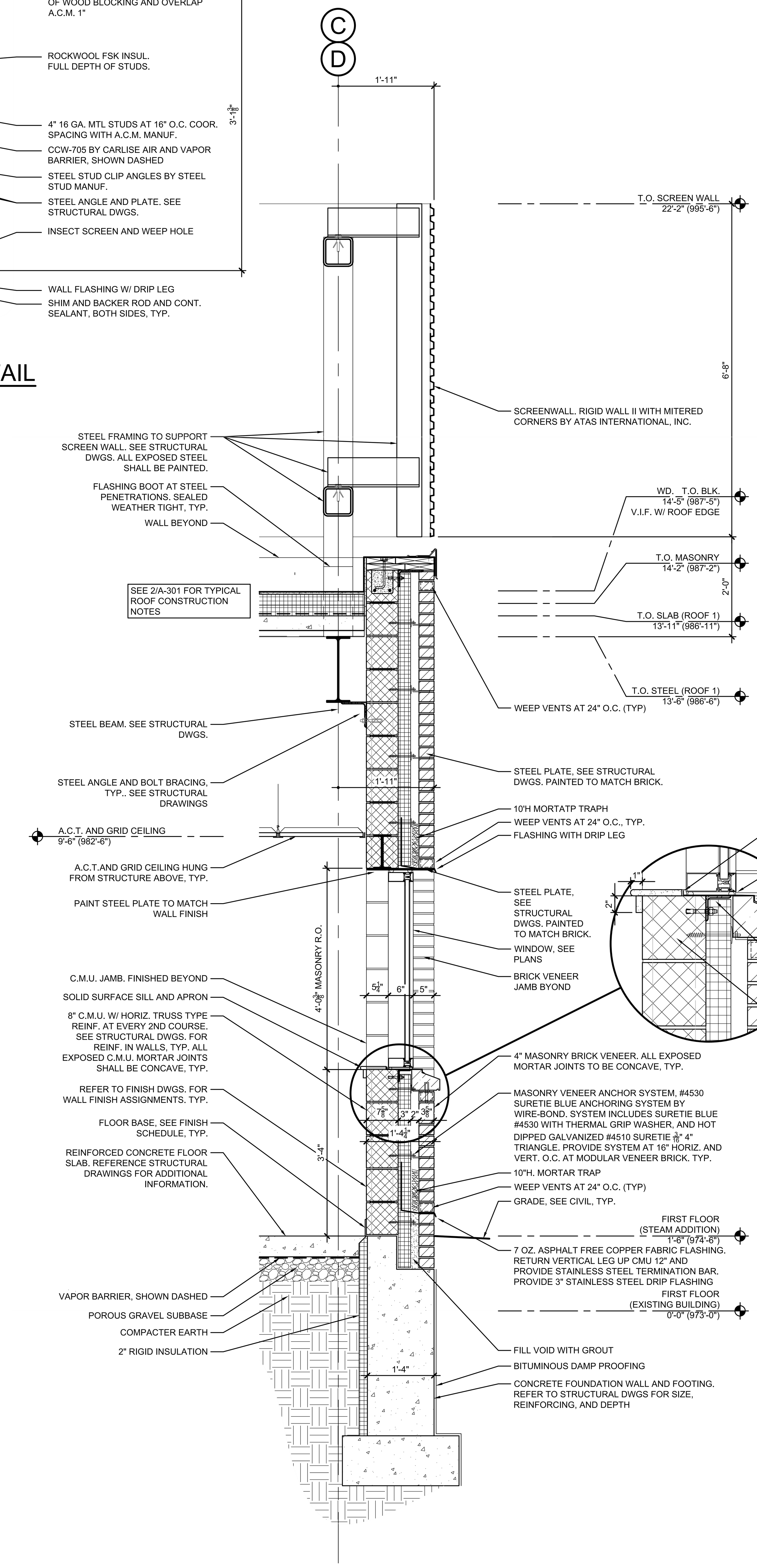
6 A-303 **PLAN DETAIL**
SCALE: 1"=1'-0"



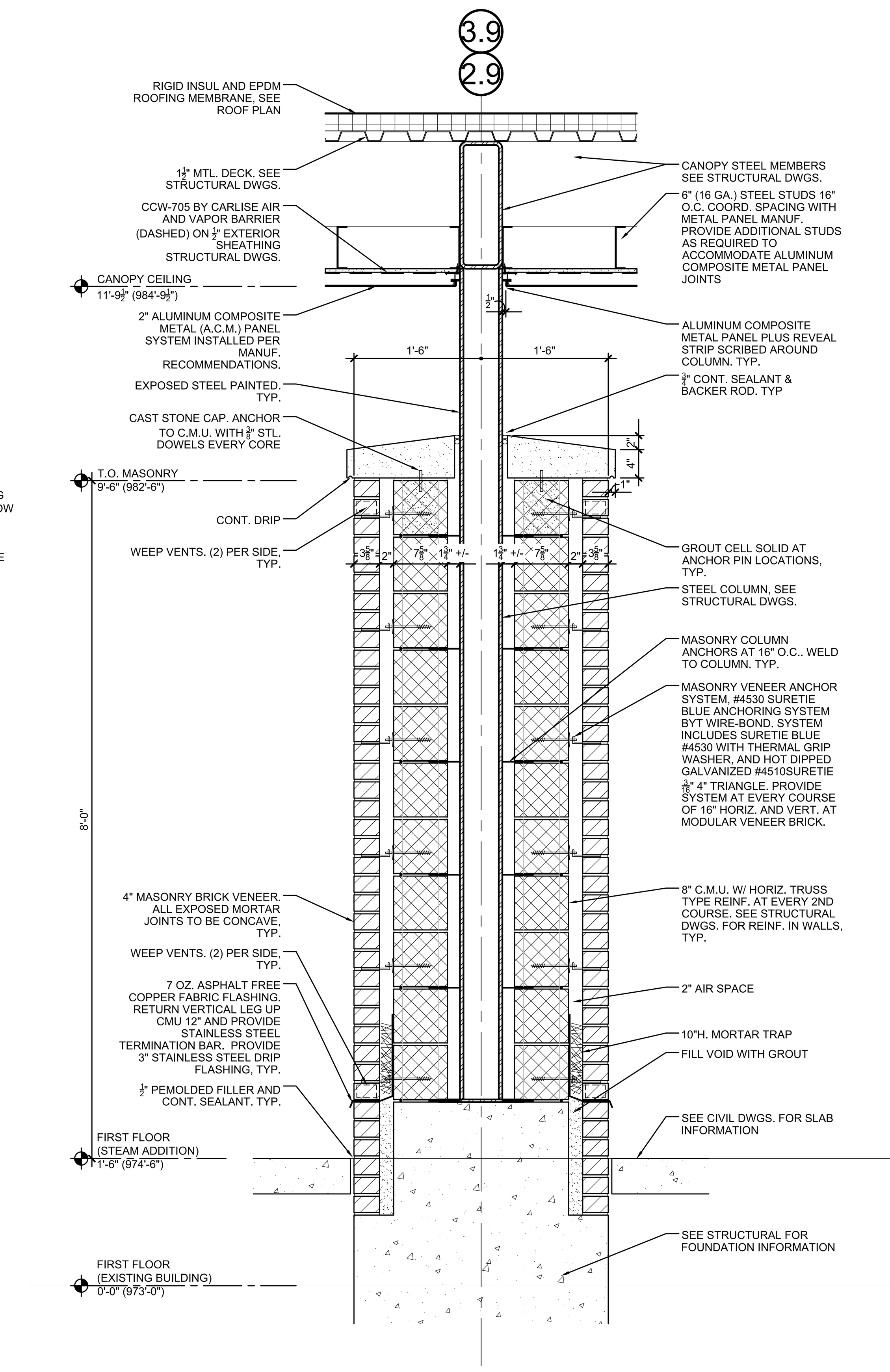
1 A-303 **WALL SECTION**
SCALE: 3/4"=1'-0"



3 A-303 **WALL SECTION**
SCALE: 3/4"=1'-0"

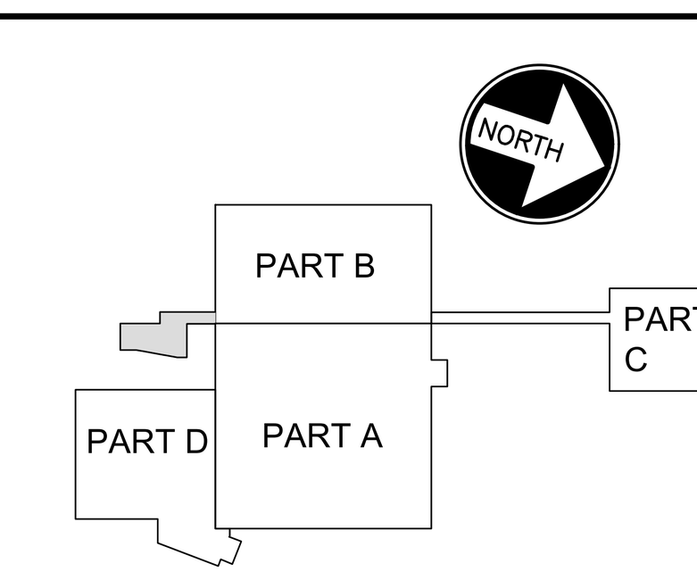


7 A-303 **WALL SECTION**
SCALE: 3/4"=1'-0"



5 A-303 **SECTION AT MASONRY PIER**
SCALE: 1"=1'-0"

REVISIONS



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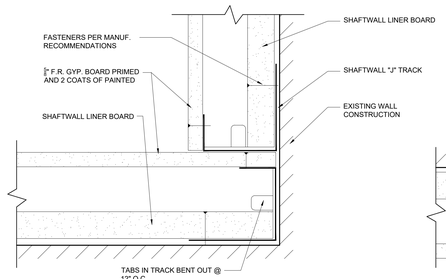
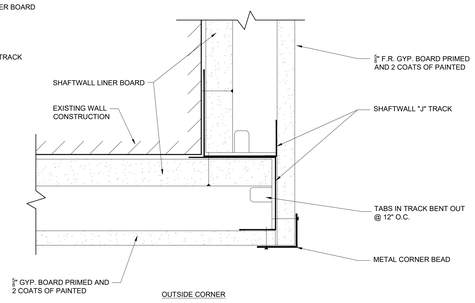
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
STEAM ADDITION SECTIONS AND DETAILS

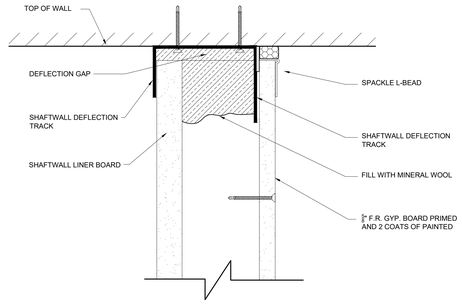
DRAWN BY:	PROJECT NO.:
CTP	2025-151P
CHECKED BY:	DRAWING NO.:
DM	A-303
DATE: 02-09-2026	



INSIDE CORNER



OUTSIDE CORNER

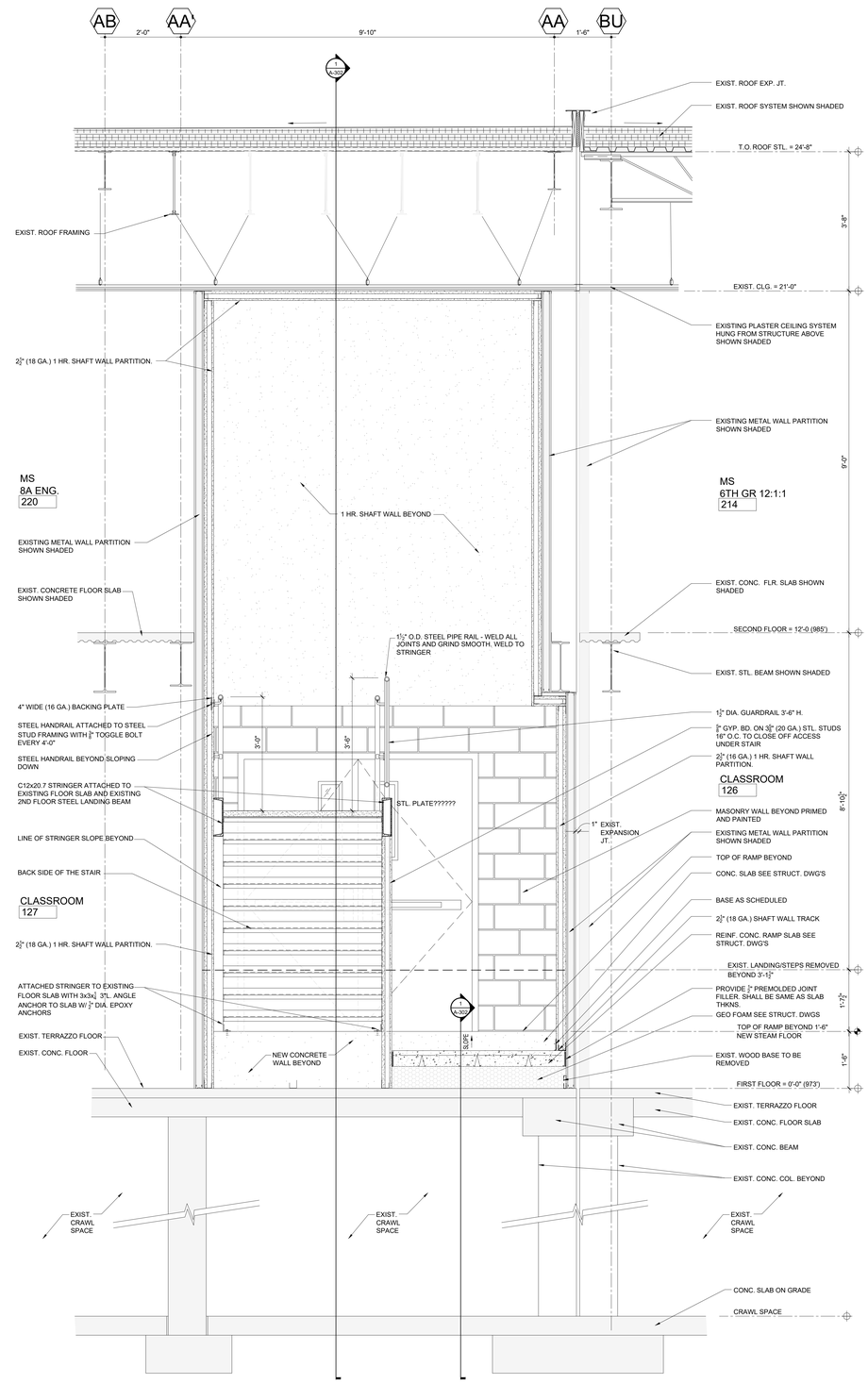


TOP OF WALL

1 / A-304

TYPICAL SHAFT WALL DETAILS UL 419

SCALE: 3"=1'-0"

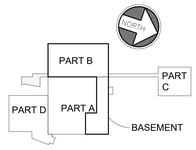


1 / A-304

STAIR SECTION

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

REVISIONS



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2022 Capital Project Phase 3

AR SED # 03-16-01-06-0-013-018

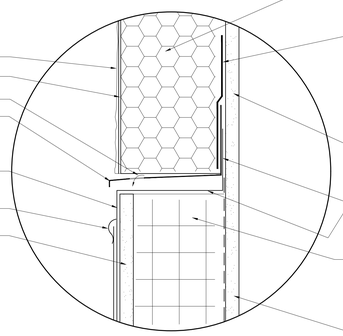
DRAWING TITLE:

STAIR SECTION AND DETAILS

DRAWN BY:	PROJECT NO.:
R.F.	2025-151P
CHECKED BY:	DRAWING NO.:
G.R.	A-304
DATE:	
02-09-2026	

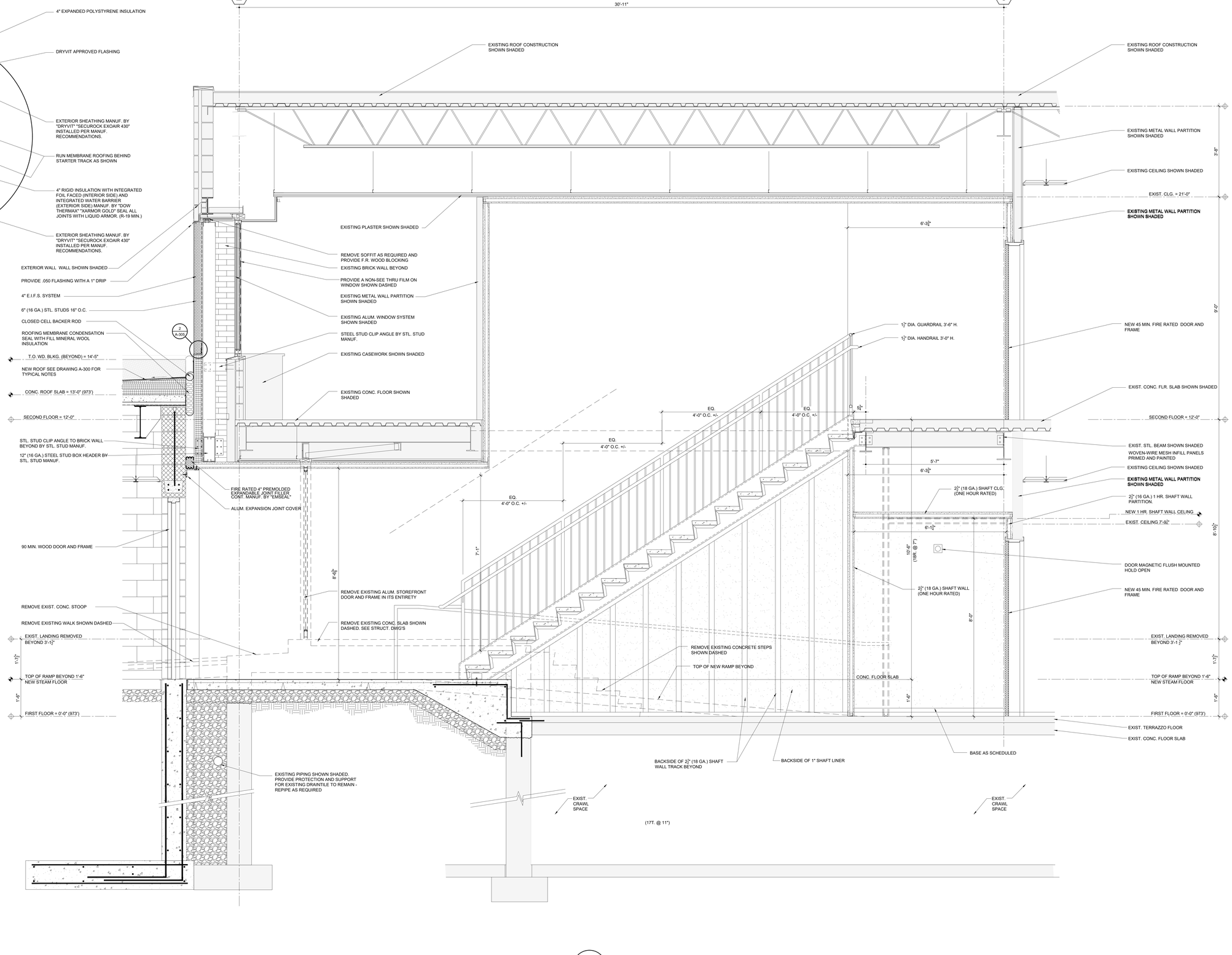
CAD FILE PLOT DATE: 2/4/2026

NOTE:
E.I.F.S. SHALL BE MFG. BY "DRYVIT" SYSTEM "OUTSULATION PLUS MD". E.I.F.S. SHALL BE INSTALLED AS PER APPLICATION INSTRUCTIONS. ALL COMPONENTS SHALL BE CERTIFIED DRYVIT MATERIALS. (DRAINABLE) PROVIDE A (20 YR. WARRANTY)



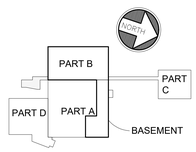
- 4" EXPANDED POLYSTYRENE INSULATION
- DRYVIT APPROVED FLASHING
- FINISH COAT
- REINFORCING MESH AND BASE COAT.
- DO NOT BLOCK WEEP
- E.I.F.S. STARTER DRAINAGE TRACK w/ WEEPS AND DRIP EDGE (PAINT TO MATCH E.I.F.S. FINISH)
- FULLY ADHERED MEMBRANE ROOFING RUN ON TOP OF INSUL. AND UP WALL AS SHOWN
- LAP SPLICE AND SEALANT
- ½" SECUROCK SHEATHING ON
- EXTERIOR SHEATHING MANUF. BY "DRYVIT" "SECUROCK EXOAIR 430" INSTALLED PER MANUF. RECOMMENDATIONS.
- RUN MEMBRANE ROOFING BEHIND STARTER TRACK AS SHOWN
- 4" RIGID INSULATION WITH INTEGRATED FOIL FACED (INTERIOR SIDE) AND INTEGRATED WATER BARRIER (EXTERIOR SIDE) MANUF. BY "DOW THERMAX" "XARMOR GOLD" SEAL ALL JOINTS WITH LIQUID ARMOR. (R-19 MIN.)
- EXTERIOR SHEATHING MANUF. BY "DRYVIT" "SECUROCK EXOAIR 430" INSTALLED PER MANUF. RECOMMENDATIONS.

2 / A-305 BLOW-UP DETAIL
SCALE: 6"=1-0"



1 / A-305 STAIR SECTION
SCALE: 3/4"=1'-0"

REVISIONS



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AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
STAIR SECTION AND DETAILS

DRAWN BY:	PROJECT NO.:
R.F.	2025-151P
CHECKED BY:	DRAWING NO.:
G.R.	A-305
DATE: 02-09-2026	

CAD FILE:
PLOT DATE: 2/4/2026

DOOR SCHEDULE

	DOOR						GLASS	JAMB		HEAD		THRESHOLD		HARD-WARE SET	FIRE RATING	CARD READER	REMARKS
	DOOR NO.	TYPE	MAT'L	NOMINAL SIZE WIDTH	NOMINAL SIZE HEIGHT	NOMINAL SIZE THKNS.		TYPE	MAT'L	TYPE	MAT'L	TYPE	MAT'L				
FIRST FLOOR (STEAM ADDITION)	S-100A	B	WD	(2)3'-0"	7'-2"	1 3/4"	FRSG	J-3	HM	H-3	HM	-	-	3	90 MIN	Y	1, 11
	S-100B	SEE ELEV.	AL	(2)3'-0"	7'-9 3/4"	1 3/4"	ISG	BY MAUF	AL	BY MAUF	AL	T-1	AL	1	-	Y	11, 12
	S-100C	SEE ELEV.	AL	(2)3'-0"	7'-9 3/4"	1 3/4"	ISG	BY MAUF	AL	BY MAUF	AL	T-1	AL	1	-	Y	11
	S-101	A	WD	3'-0"	7'-2"	1 3/4"	-	J-3	HM	H-3	HM	T-2	GRN	10	45 MIN	N	14
	S-102	A	WD	3'-0"	7'-2"	1 3/4"	-	J-3	HM	H-3	HM	-	-	11	45 MIN	N	
	S-103A	B	WD	(2)3'-0"	7'-2"	1 3/4"	FRSG	J-1	HM	H-1	HM	-	-	4	45 MIN	Y	11
	S-103B	SEE ELEV.	AL	3'-6 3/4"	7'-0"	1 3/4"	ISG	BY MAUF	AL	BY MAUF	AL	T-1	AL	2	-	Y	11
	S-103C	E	AL	8'-0"	17'-4"	2 1/8"	ISG	J-5	STL	SEE DETAILS		T-6	AL	14	-	N	9,10
	S-104	B	WD	3'-0"	7'-2"	1 3/4"	FRSG	J-3	HM	H-3	HM	-	-	7	45 MIN	N	2
	S-105	A	WD	3'-0"	7'-2"	1 3/4"	-	J-3	HM	H-3	HM	-	-	7	90 MIN	N	2
	S-1A	B	WD	3'-0"	7'-2"	1 3/4"	FRSG	J-1	HM	H-1	HM	-	-	3	45 MIN	Y	1, 8, 11
	S-2A	B	WD	3'-0"	7'-2"	1 3/4"	FRSG	J-1	HM	H-1	HM	-	-	3	45 MIN	Y	1,7,8,11
SECOND FLOOR (LIBRARY)	L-203	A	WD	3'-0"	7'-0"	1 3/4"	-	J-1	HM	H-1	HM	-	-	7	45 MIN	N	2
	L-204A	D	SS	9'-0"	3'-0"	3/4"	-	J-4	GYP	H-4	GYP	-	-	14	1 HR	N	3,4
	L-204B	A	WD	3'-0"	7'-0"	1 3/4"	-	J-1	HM	H-1	HM	-	-	7	45 MIN	N	2
	L-205	A	WD	3'-0"	7'-0"	1 3/4"	-	J-1	HM	H-1	HM	-	-	6	-	N	2
	L-206	C	WD	3'-0"	7'-0"	1 3/4"	FRSG	J-1	HM	H-1	HM	-	-	7	45 MIN	N	2
	L-207	C	WD	3'-0"	7'-0"	1 3/4"	ISG	J-2	AL	H-2	AL	T-4	N/A	5	-	N	2, 5
	L-208A	SEE ELEV.	-	(2)3'-0"	7'-0"	1 3/4"	FRSG	BY MAUF	HM	BY MAUF	HM	T-5	RES	13	1 HR	Y	6, 11, 12
	L-208B	A	WD	3'-0"	7'-0"	1 3/4"	-	J-1	HM	H-1	HM	-	-	9	-	N	
	L-208C	EXISTING										T-5	RES	13	-	Y	11, 13
	L-209	A	WD	3'-0"	7'-0"	1 3/4"	-	J-1	HM	H-1	HM	-	-	11	45 MIN	N	
	L-210	A	WD	3'-0"	7'-0"	1 3/4"	-	J-1	HM	H-1	HM	-	-	7	45 MIN	N	2
	L-211	A	WD	3'-0"	7'-0"	1 3/4"	-	J-1	HM	H-1	HM	T-3	GRN	8	-	N	
	L-212	A	WD	3'-0"	7'-0"	1 3/4"	-	J-1	HM	H-1	HM	-	-	12	45 MIN	N	
	L-214	A	WD	3'-0"	7'-0"	1 3/4"	-	J-1	HM	H-1	HM	T-6	RES	5	-	N	5
	L-215	A	WD	3'-0"	7'-0"	1 3/4"	-	J-1	HM	H-1	HM	T-6	RES	5	-	N	5

GENERAL NOTES

1. GENERAL CONTRACTOR SHALL VERIFY ALL DOOR / FRAME SIZES, DIMENSIONS, DOOR SWINGS, DOOR / FRAME MATERIALS, DOOR / FRAME TYPES, FRAME WIDTH AND DEPTH, THROAT DEPTH AND FRAME HEAD HEIGHT.
2. GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE ALL DOOR HARDWARE REQUIREMENTS FOR ALL FRAMES INDICATED. ALL SUBMITTALS ISSUED TO THE ARCHITECT SHALL REFLECT THIS FIELD VERIFIED COORDINATION.
3. ALL EXTERIOR HOLLOW METAL DOORS / FRAMES INDICATED SHALL BE GALVANIZED STEEL AND ALL EXTERIOR DOORS SHALL BE INSULATED
4. ALL WOOD DOORS ARE TO HAVE SOLID CORE
5. ALL FRAMES SHALL BE SHIMMED / CAULKED IN ACCORDANCE WITH ACCEPTED PRACTICES
6. ALL HOLLOW METAL FRAMES IN MASONRY WALLS ARE TO BE GROUTED SOLID, INCLUDING HEADS
7. SEE SPECIFICATIONS FOR HARDWARE SETS FOR ALL DOORS
8. REFER TO FINISH SCHEDULE FOR FINISHES
9. REFER TO PLANS FOR PROPER DOOR SWINGS
10. ALL WOOD DOOR EDGES SHALL BE FACTORY FINISHED AND SHALL MATCH DOOR FACE VENEER AND FINISH
11. ALL HOLLOW METAL FRAMES SHALL BE WELDED, NO KNOCK-DOWN FRAMES WILL BE ACCEPTED
12. GENERAL CONTRACTOR SHALL VERIFY ALL DOOR UNDERCUT AND LOUVER LOCATIONS WITH MECHANICAL DRAWINGS
13. THE USE OF THRU-BOLTING FOR ANY DOOR HARDWARE WILL NOT BE ACCEPTED
14. ALL EXTERIOR DOORS ARE TO HAVE PERIMETER WEATHER-STRIPPING
15. ALL HARDWARE FOR ALUMINUM DOORS / FRAMES ARE TO BE PROVIDED BY THE DOOR / FRAME MANUFACTURER EXCEPT LOCK CYLINDERS WHICH WILL BE PROVIDED BY THE REMAINING DOOR HARDWARE SUPPLIER. HARDWARE IS TO BE COORDINATED WITH THE HARDWARE ON THE REMAINDER OF THE PROJECT
16. GENERAL CONTRACTOR SHALL COORDINATE WHERE DOORS / FRAMES REQUIRE CONDUITS OR WIRING INSTALLED DURING FRAME INSTALLATION FOR FUTURE ELECTRICAL CONNECTIONS FOR LOCKS, STRIKES..........ECT.

MATERIALS

H.M.	HOLLOW METAL
AL.,ALUM.	ALUMINUM
GL	GLASS
WD	WOOD
MAR.	MARBLE
GRN	GRANITE
RES	RESILIENT
GYP	GYPSUM BOARD
STL	STEEL

GLASS

ISG	INSULATED SAFETY GLASS
FRSG	FIRE RATED SAFETY GLASS

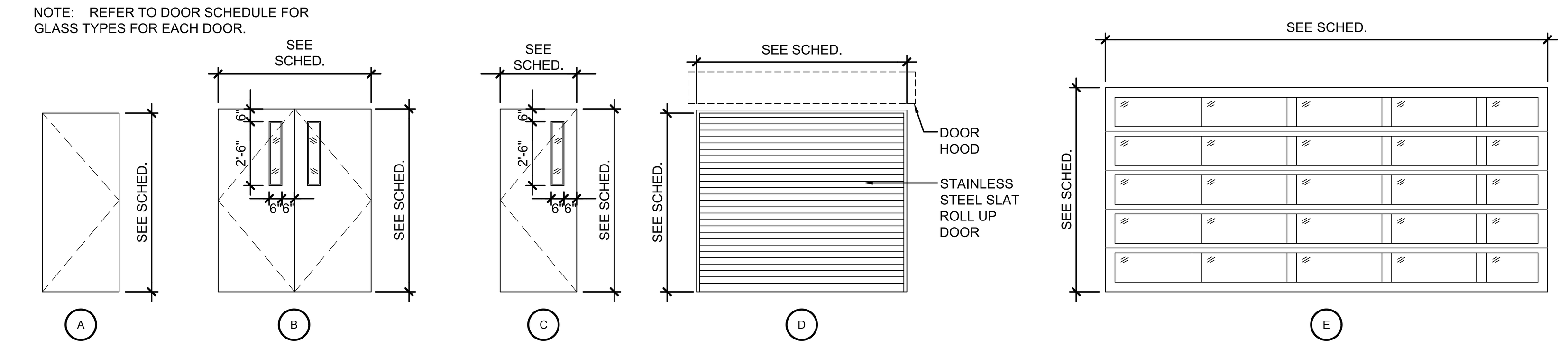
REMARKS

1. DOOR TO BE ON MAGNETIC HOLD OPENS AND TIED INTO FIRE ALARM SYSTEM FOR RELEASE UPON ALARM ACTIVATION
2. DOOR TO RECEIVE SCHLAGE AD400 WIRELESS LOCK AND TIED INTO LOCK DOWN SYSTEM
3. RATED OVERHEAD COIL DOOR TO BE TIED INTO FIRE ALARM SYSTEM AND SHALL CLOSE UPON ACTIVATION
4. RATED OVERHEAD COIL DOOR TO BE MOTORIZED FOR NORMAL OPERATION
5. PROVIDE SOUND SEALS AND DROP RECESSED DROP DOWN DOOR SILL SEAL
6. FIRE RATED ALUMINUM DOOR AND FRAME BY ALUFLAM OR EQUAL ALL DOOR HARDWARE WITH EXCEPTION OF MORTISE CYLINDER BY MANUF. THIS WOULD INCLUDE, CLOSURE, HINGES, RIM EXIT DEVICE, RIM CYLINDER OR MORTISE HOUSING.
7. DOOR LOCATED AT SECOND FLOOR STAIR
8. MATCH EXISTING DOOR AND FRAME HEIGHT, V.I.F.
9. GARAGE DOOR TIED INTO LOCKDOWN SYSTEM
10. DOOR TO BE VertiStack® Clear DOOR MODEL VS904U BY CLOPAY OR EQUAL. MOTOR OPERATED
11. DOOR TO RECEIVE MOTORIZED LATCH RETRACTION PANIC BAR WITH POWER SUPPLY, CARD READER, REX SENSOR, DOOR CONTACT. PANIC BAR ON RHR DOOR
12. CARD READER MOUNTED TO MULLION
13. EXISTING DOOR TO RECEVIE NEW HARDWARE TO TIE IN INTO LOCK DOWN SYSTEM
14. DOOR LOCK SHALL INCLUDE OCCUPANCY INDICATOR

DOOR TYPES

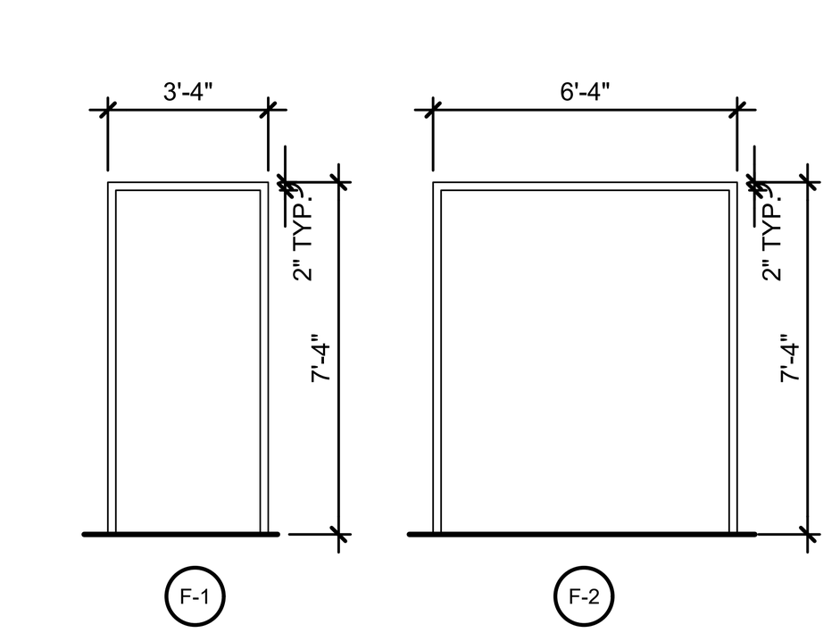
SCALE: 1/4" = 1'-0"

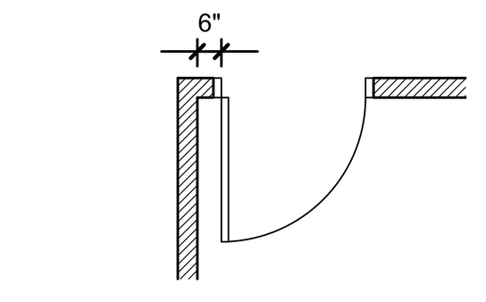
NOTE: REFER TO DOOR SCHEDULE FOR GLASS TYPES FOR EACH DOOR.



FRAME TYPES

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





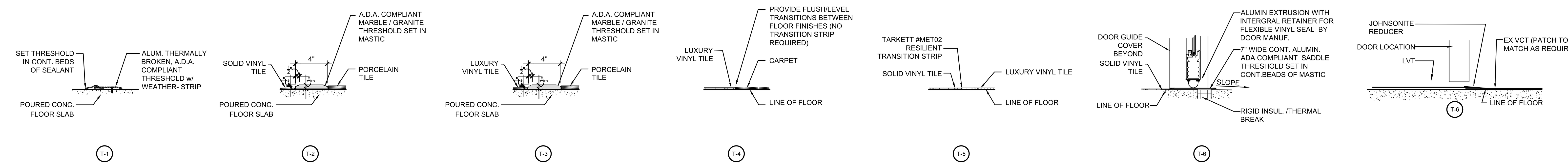
1 A400 TYP. DOOR LOCATION PLAN DETAL

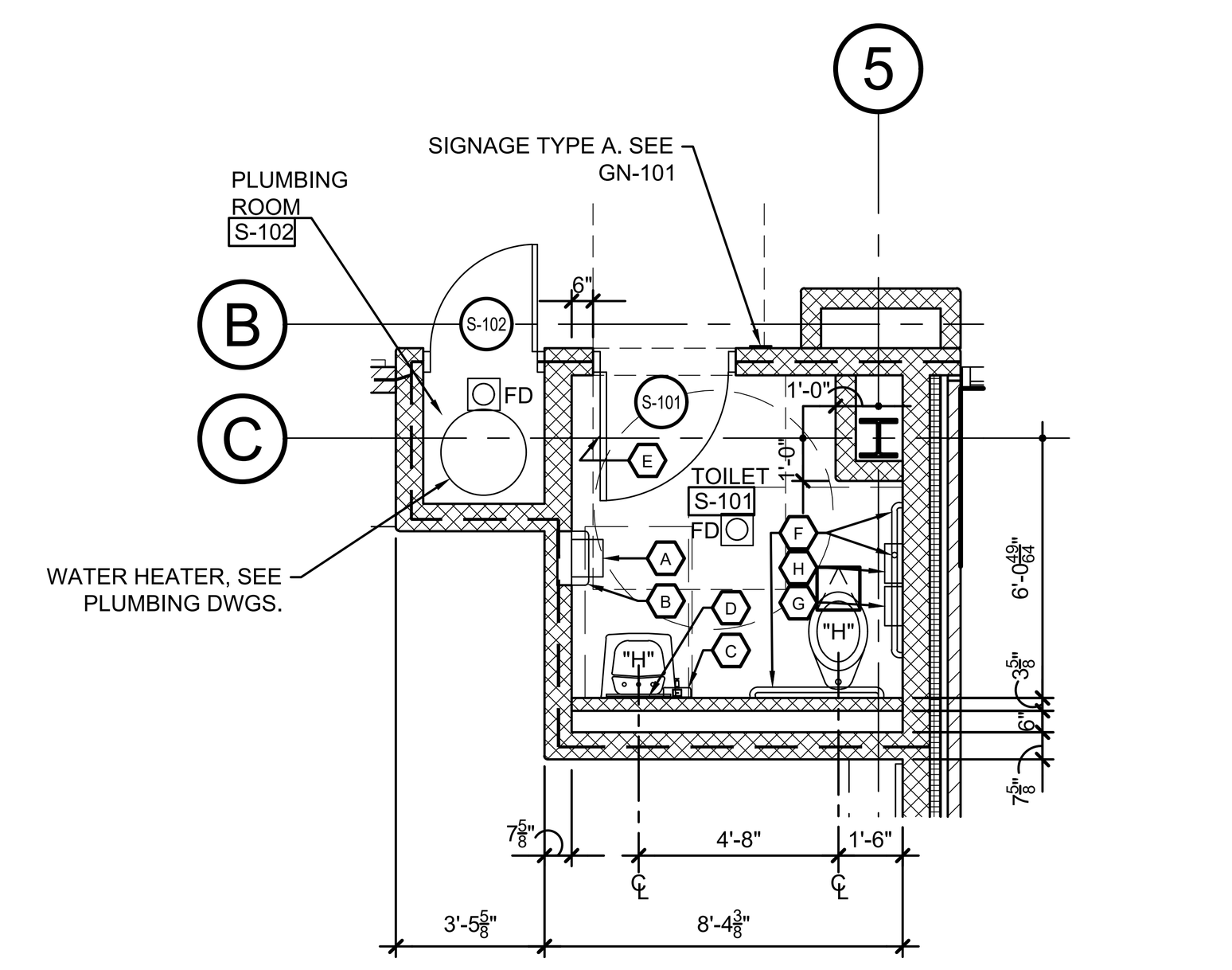
SCALE: 1/4"=1'-0"

NOTE: REFER TO DOOR SCHEDULE REMARKS FOR DOORS TO RECEIVE THIS DETAIL

THRESHOLD DETAILS

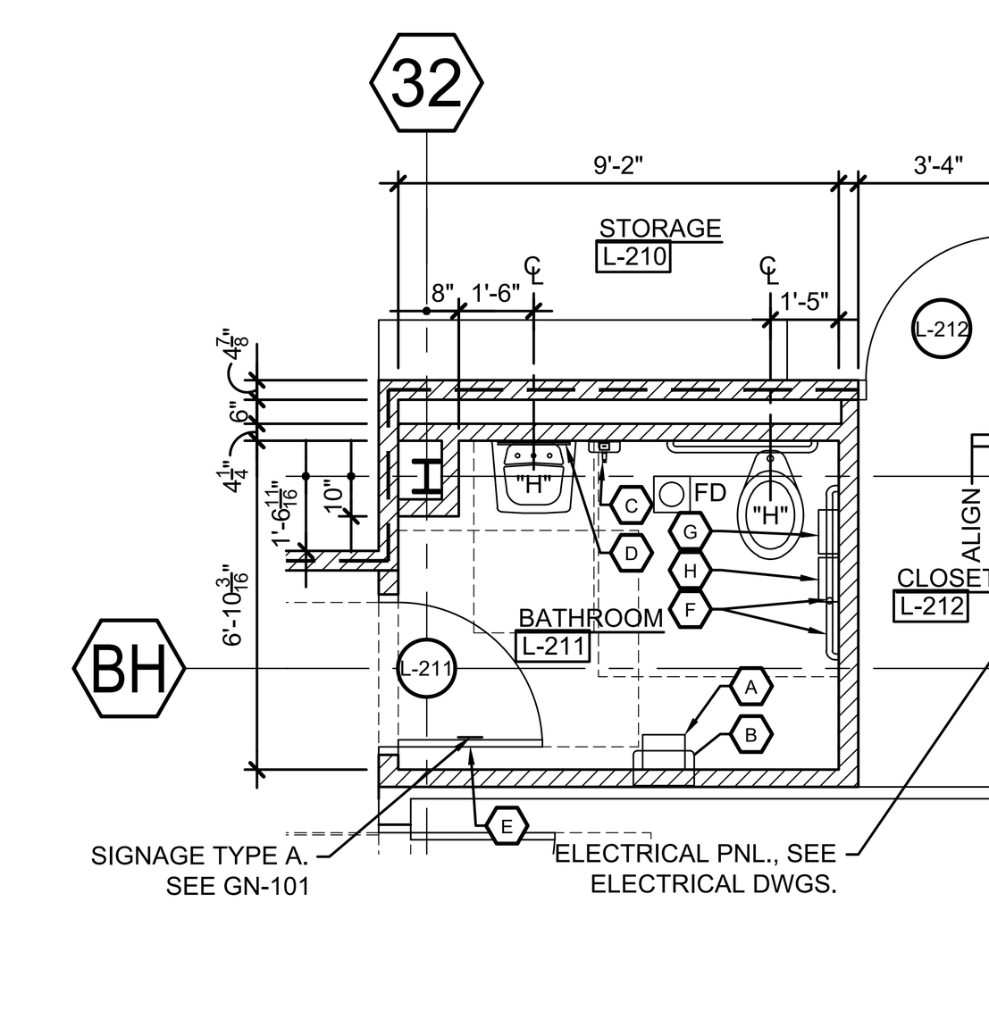
SCALE: 1 1/2" = 1'-0"





2 A-400 ENLARGED TOILET ROOM PLAN

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



3 A-400 ENLARGED TOILET ROOM PLAN

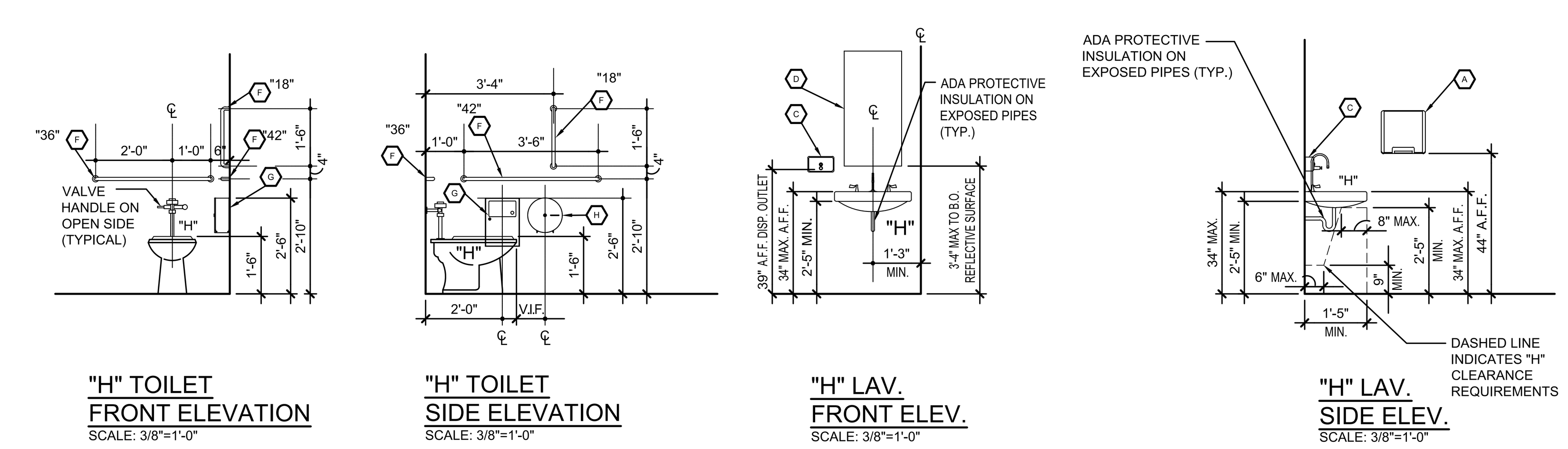
SCALE: 1/4"=1'-0"

TOILET ACCESSORY SCHEDULE

TAG	DESCRIPTION	MANUF. / MODEL NO.	REMARKS
A	BATTERY POWERED PAPER TOWEL DISPENSER	OWNER PROVIDED / OWNER INSTALLED	MOUNT 42" A.F.F. TO BOTTOM OF UNIT
B	12 GAL. RECESSED TRASH RECEPTACLE	BOBRICK/B-3644	MOUNT 40" A.F.F. TO TOP OF UNIT
C	SOAP DISPENSER	OWNER PROVIDED / OWNER INSTALLED	MOUNT 39" A.F.F. TO DISPENSER OUTLET
D	MIRROR 18x36	B-292 BOBRICK	MOUNT 40" A.F.F. MAX TO BOTTOM OF REFLECTIVE SURFACE
E	COAT AND BUMPER HOOK	B-212 BOBRICK	MOUNT 40" A.F.F. MAX TO CENTER OF BACKPLATE
F	1 1/2 " O.D. GRAB BARS	BOBRICK / B-6806.99 SERIES	REFER TO TYP. TOILET ROOM ELEVATIONS / PEENED FINISH
G	SANITARY NAPKIN DISPOSAL	BOBRICK / # B-254 (SURFACE MTD.)	MOUNT 30" A.F.F. TOP EDGE OF FIXT.
H	TOILET TISSUE DISPENSER	OWNER PROVIDED / OWNER INSTALLED	MOUNT 30" A.F.F. TO TOP EDGE OF FIXT.

TOILET ACCESSORY SCHEDULE NOTES :

1. PROVIDE REQUIRED WOOD OR STEEL BLOCKING FOR ALL ACCESSORIES SUPPLIED BY THE CONTRACTOR & OWNER. REINFORCING IN WALLS FOR GRAB BARS SHALL BE CAPABLE SUPPORTING AT LEAST A 250 lb. POINT LOAD, THE SHEAR AND TENSILE STRESSES SHALL ALSO MEET THE 250 lb. POINT LOAD REQUIREMENT.
2. ALL ACCESSORIES TO BE INSTALLED PER CURRENT A.D.A. REQUIREMENTS.
3. "H" INDICATES HANDICAP ACCESSIBLE FIXTURES.
4. ALL GYPSUM BOARD IN TOILET ROOMS IS TO BE MOISTURE RESISTANT.
5. HANDICAP FIXTURE MOUNTING HEIGHTS:
   WATER CLOSET- 18" MAX. A.F.F. TO TOP OF SEAT
   LAVATORY- 27" MIN. KNEE CLEARANCE / 34" MAX TO TOP OF RIM
6. PLUMBING CONTRACTOR TO PROVIDE AND GENERAL CONTRACTOR TO INSTALL ACCESS PANELS AT ALL SHOCK ARRESTOR LOCATIONS. COORDINATE WITH PLUMBING.
7. INSTALL INSULATION ON PLUMBING PIPING UNDER LAV'S AS REQUIRED BY A.D.A. & ANSI



"H" TOILET FRONT ELEVATION — SCALE: 3/8"=1'-0"

"H" TOILET SIDE ELEVATION — SCALE: 3/8"=1'-0"

"H" LAV. FRONT ELEV. — SCALE: 3/8"=1'-0"

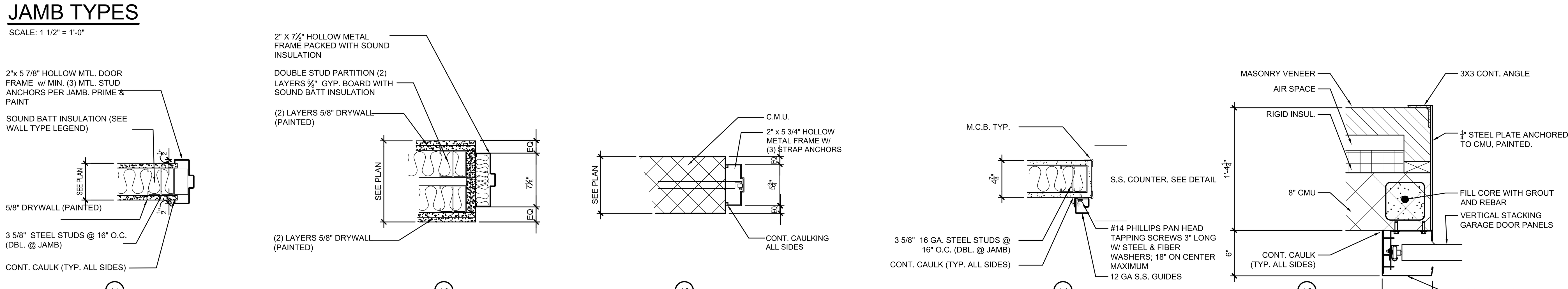
"H" LAV. SIDE ELEV. — SCALE: 3/8"=1'-0"

NOTE:
ELEVATIONS ARE TO SHOW MOUNTING HEIGHTS OF TOILET FIXTURES ONLY. FOR LOCATIONS AND TYPES OF ACCESSORIES SEE ENLARGED PLANS.

TYPICAL TOILET ROOM FIXTURES AND HANDICAP ACCESSORY MOUNTING HEIGHTS

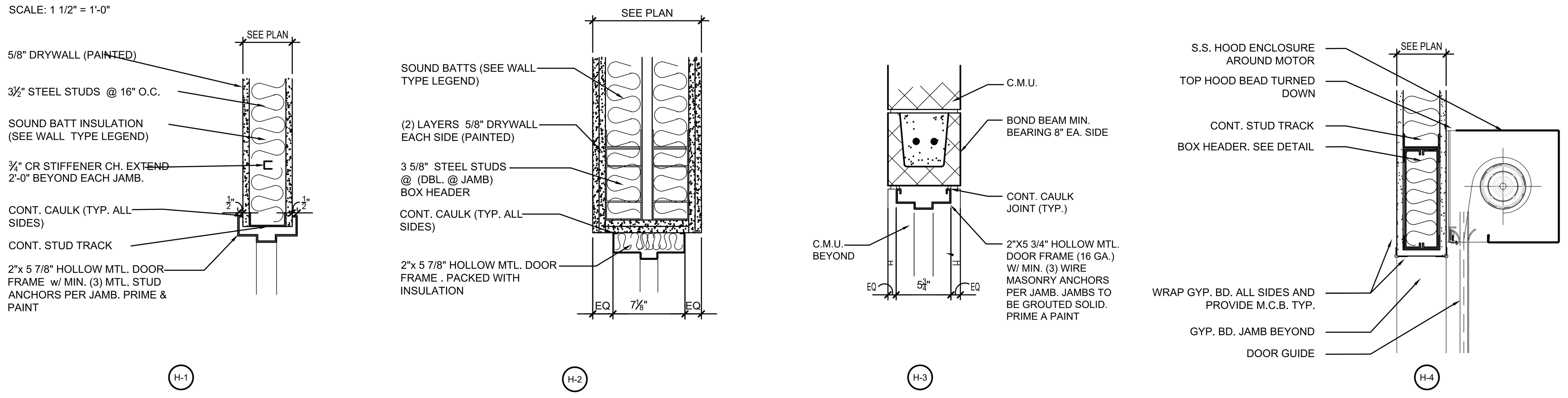
JAMB TYPES

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

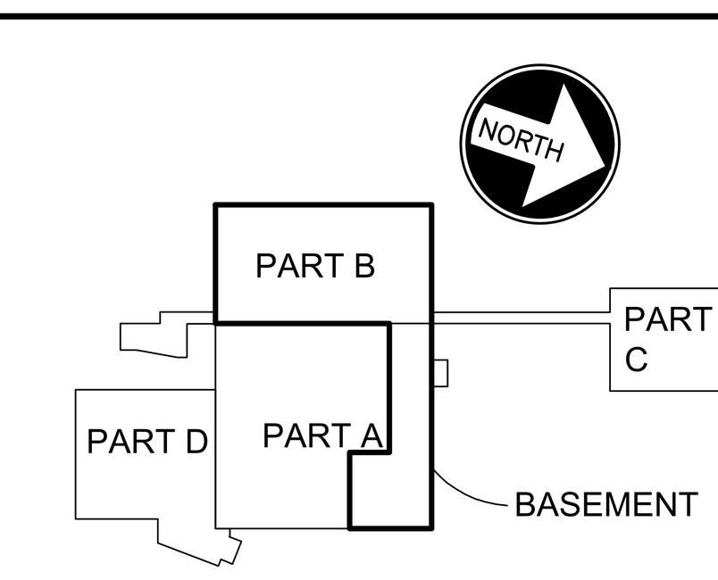


HEAD TYPES

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



REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
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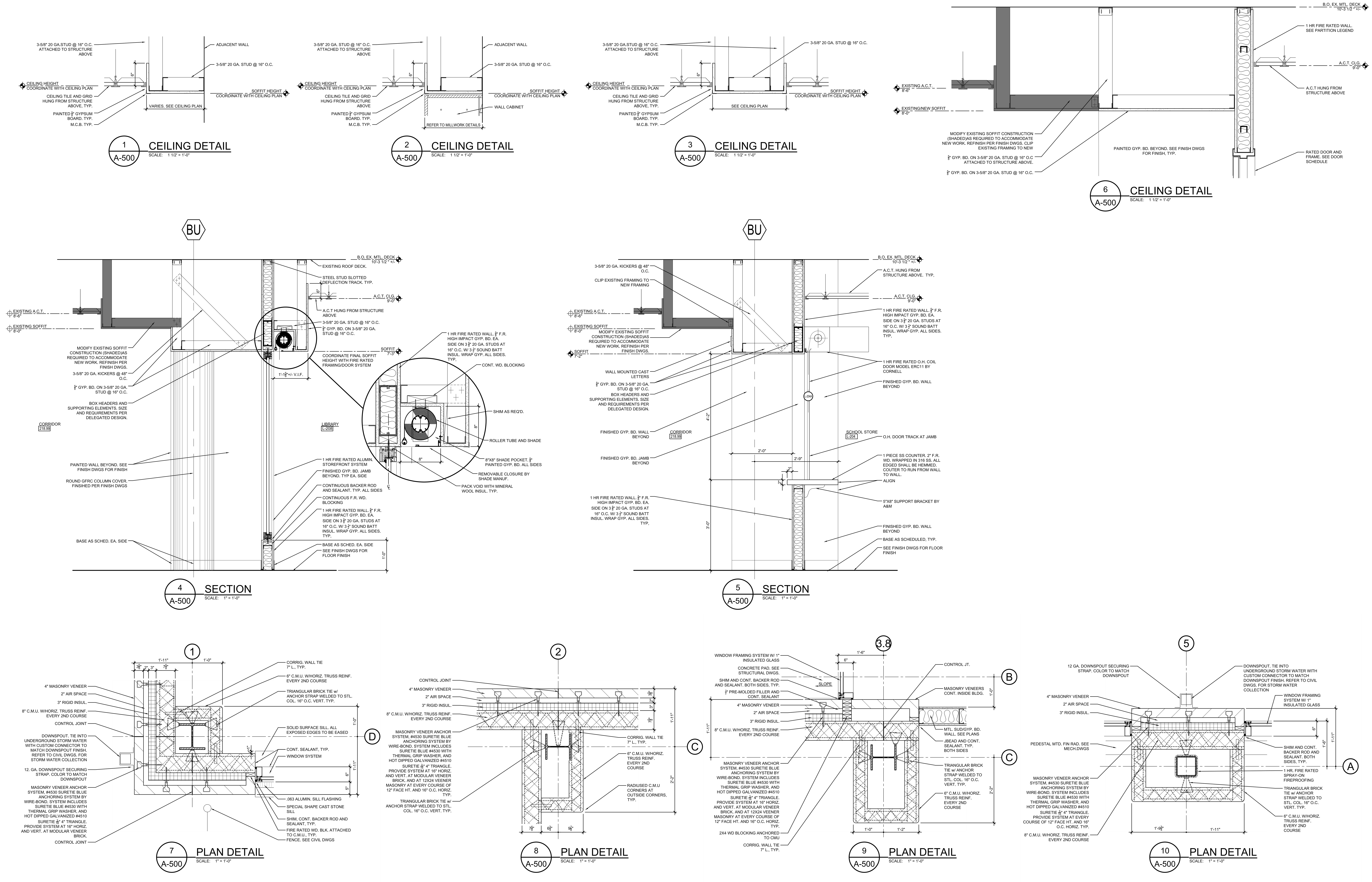
New York • Pennsylvania

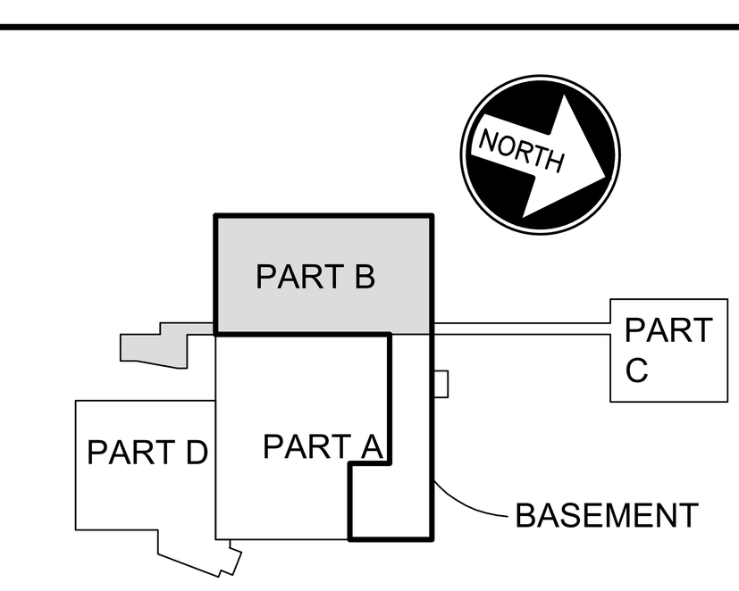
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE: DOOR SCHEDULE AND ENLARGED TOILET ROOM PLANS	
DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: DM	DRAWING NO.: A-400
DATE: 02-09-2026	

CAD FILE: 5151-A-400.DWG
PLOT DATE: 2/4/2026



REVISIONS



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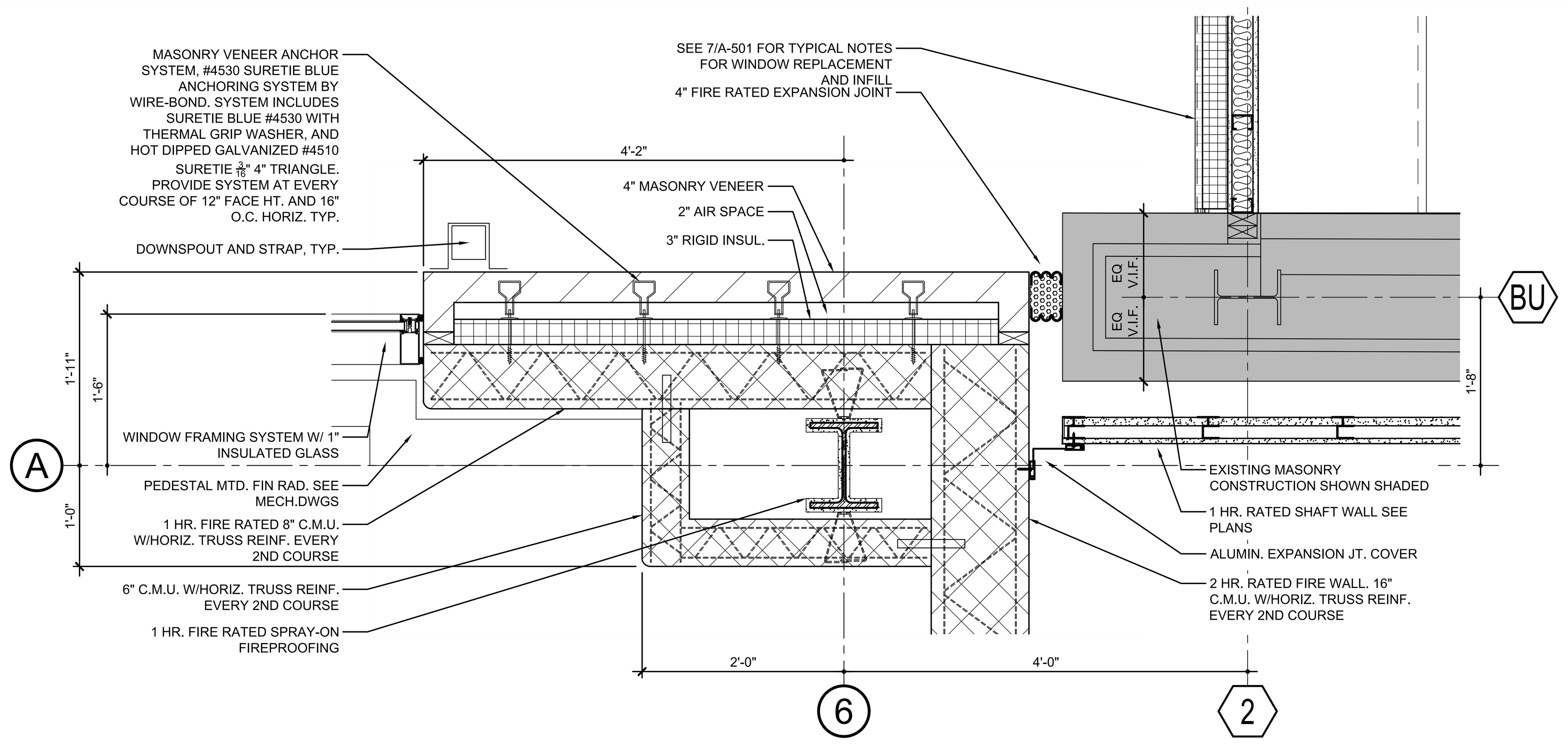
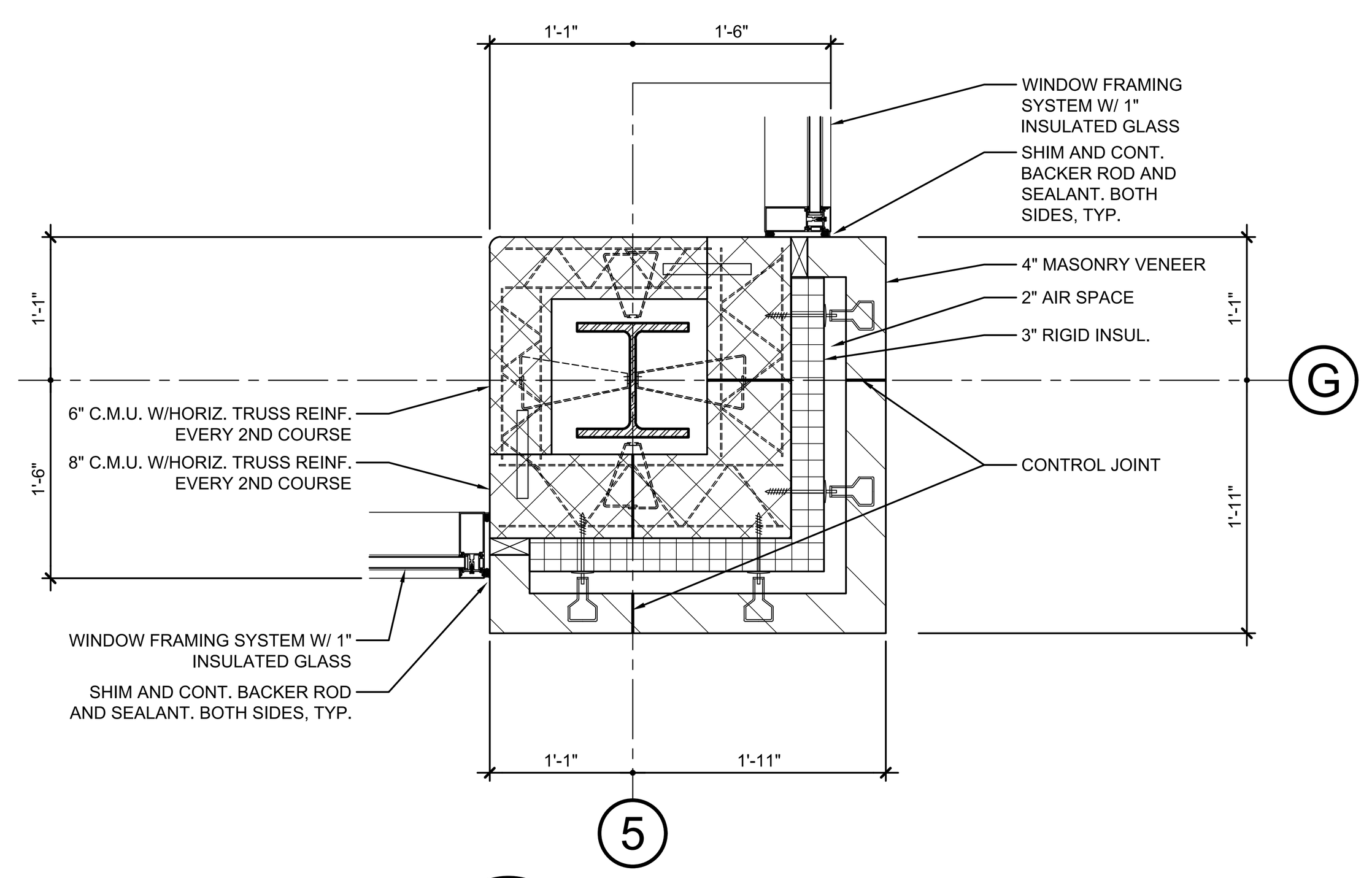
PROJECT TITLE:
Vestal
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE: DETAILS

DRAWN BY: CTP	PROJECT NO.: 2025-151P
CHECKED BY: DM	DRAWING NO.: A-500
DATE: 02-09-2026	



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



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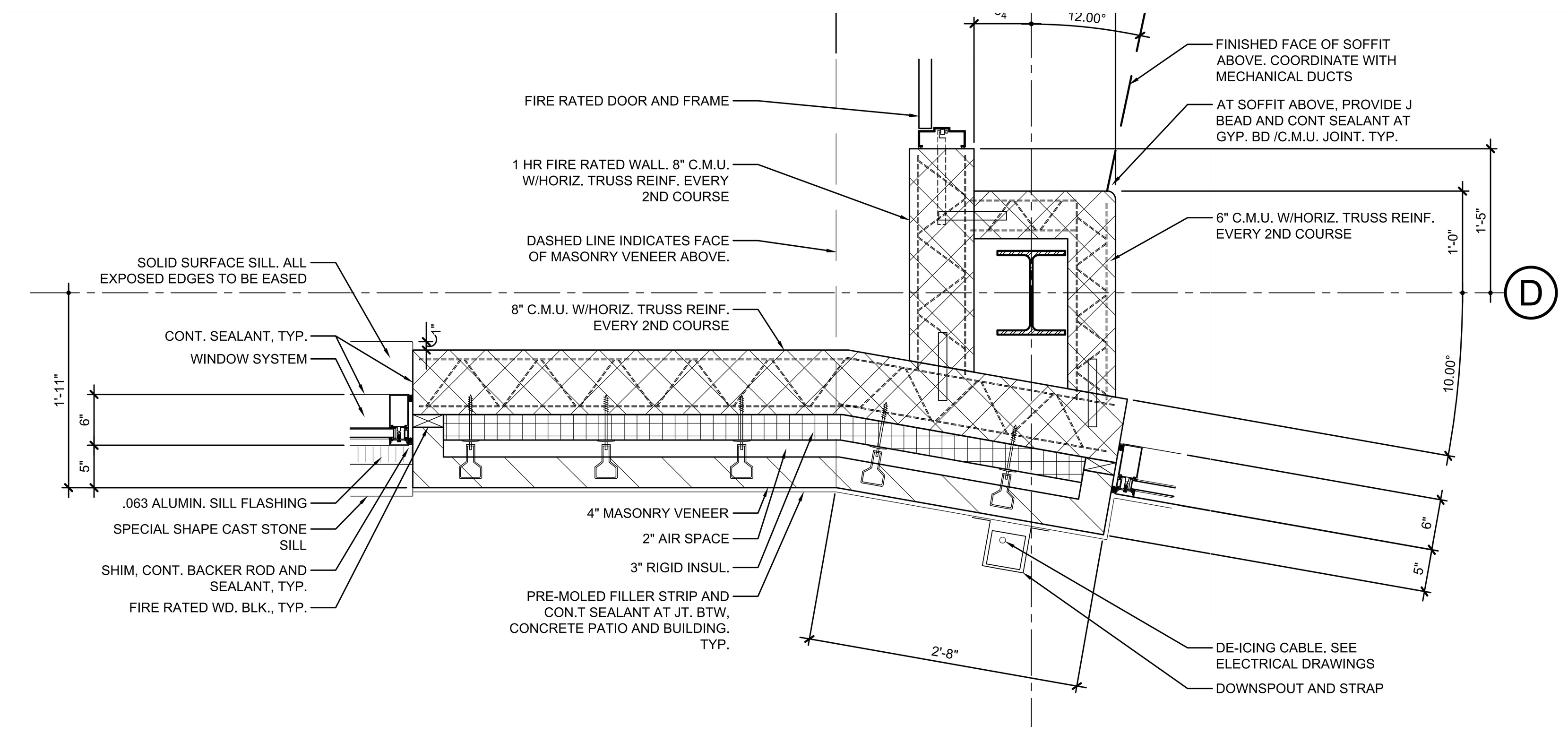

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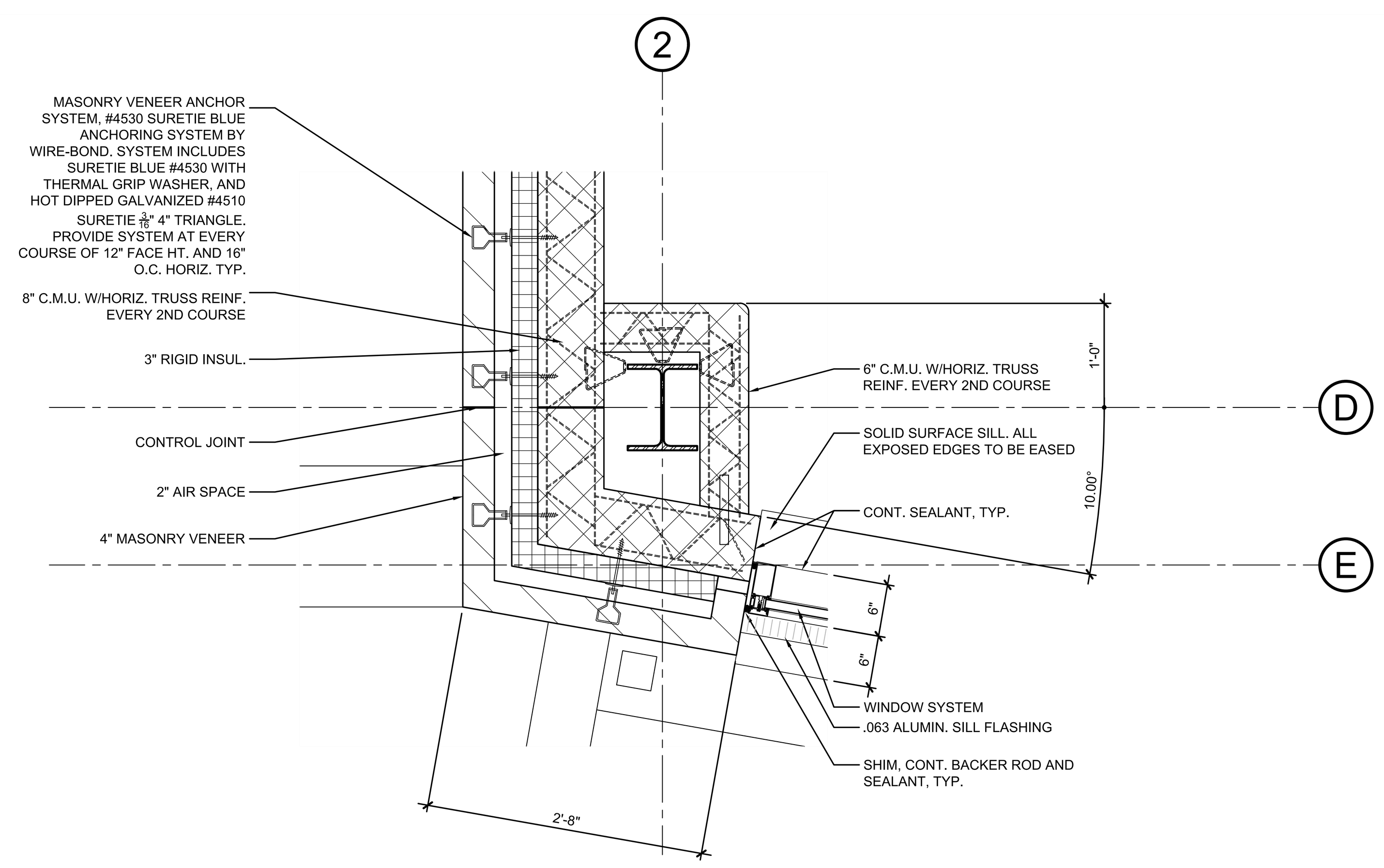

4 A-501 PLAN DETAIL
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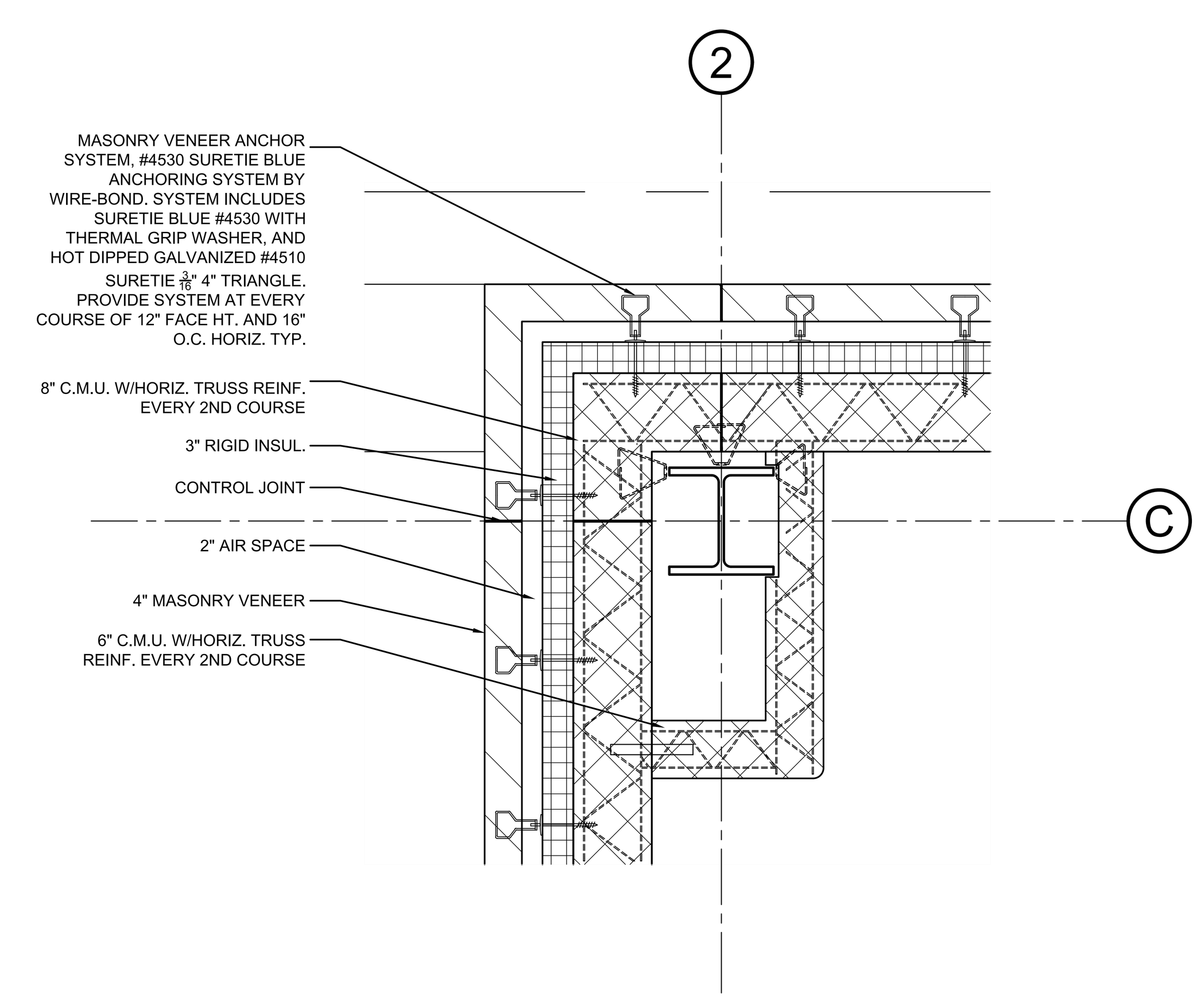

5 A-501 PLAN DETAIL
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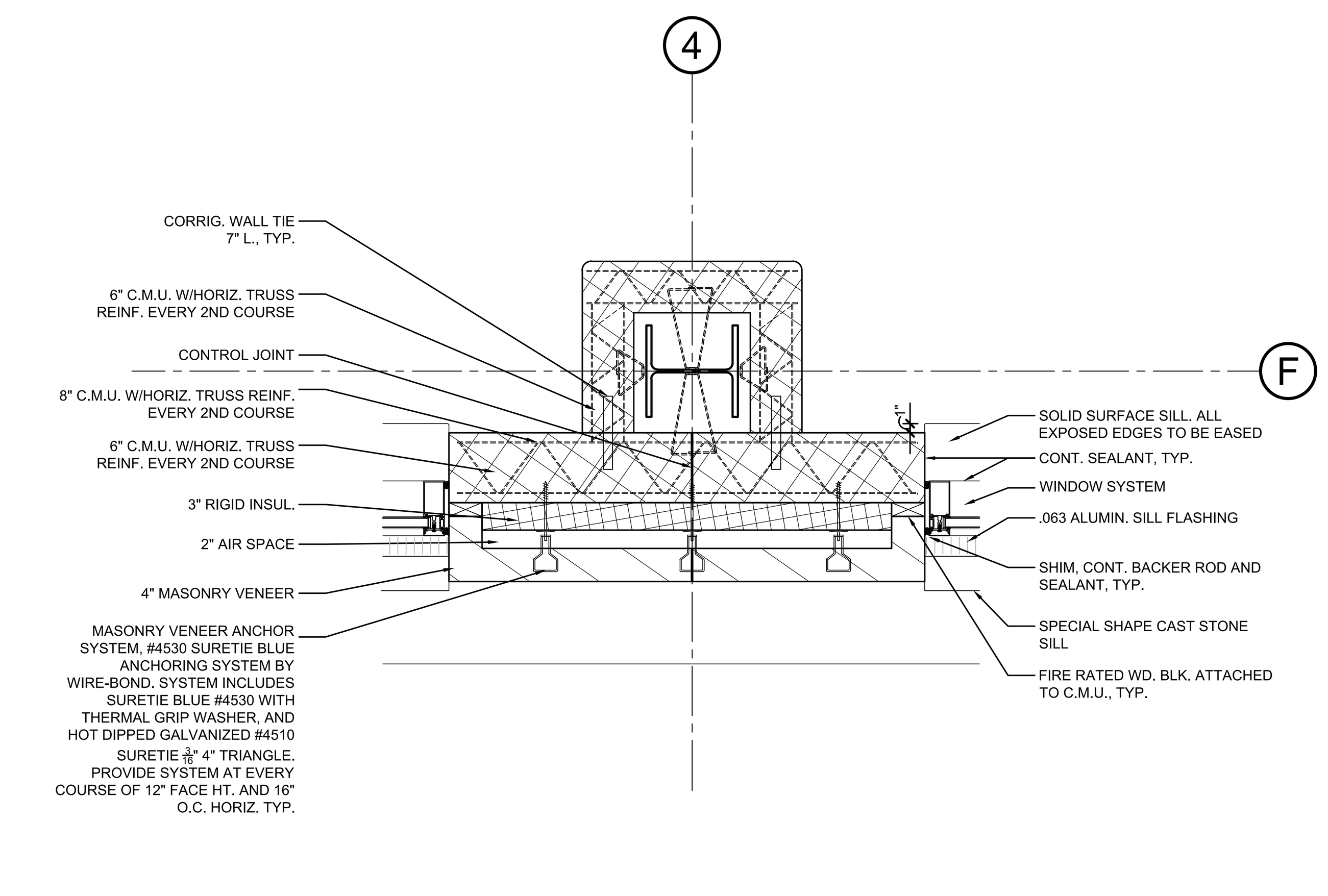
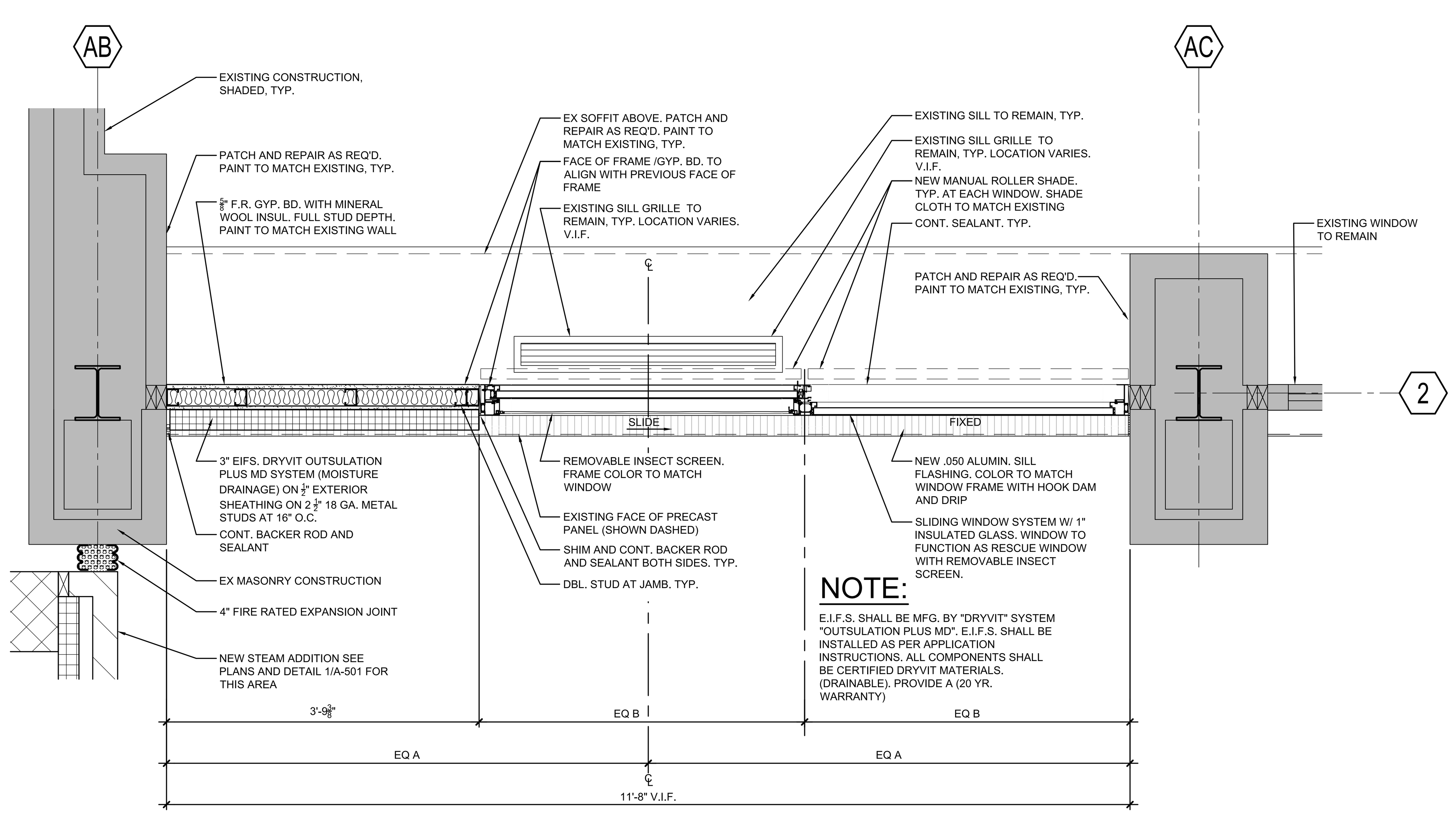
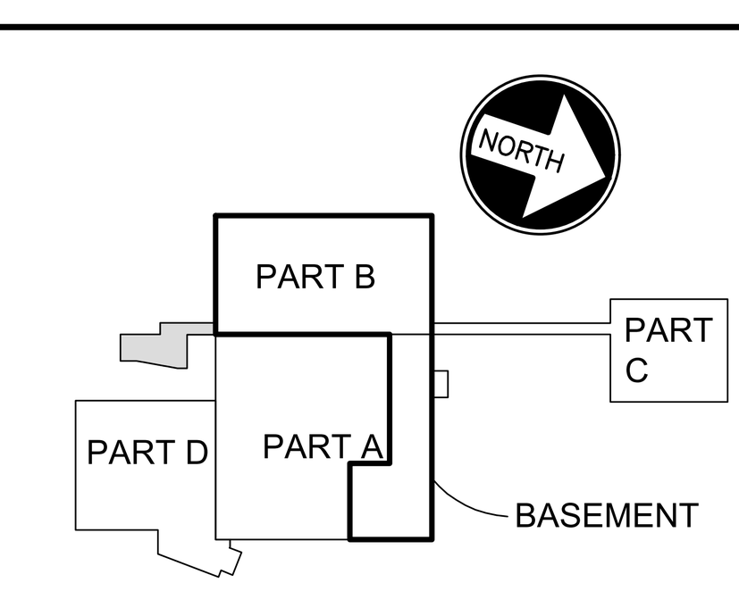


6 A-501 PLAN DETAIL
SCALE: 1" = 1'-0"



7 A-501 PLAN DETAIL
SCALE: 1" = 1'-0"
NOTE: SIM. AT OPPOSITE SIDE OF CONNECTING LINK

REVISIONS



KEY PLAN

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DM	A-501
DATE: 02-09-2026	

ROOM FINISH SCHEDULE

SPACE			FLOOR	BASE	WALLS NOTE: FOR PURPOSES OF THE FINISH SCHEDULE "NORTH" SHALL BE CONSIDERED TO BE THE TOP OF THE SHEET.				CEILING		DOORS	FRAMES	FINISH NOTES
FLOOR	NO.	NAME			N	E	S	W	FIN.	HGT.			
FIRST FLOOR	S-100	CORRIDOR	F-5	B-1	P-1	P-1	P-1	P-1	C-3	8'-0"	D-1	FR-1	SEE NOTES:
	S-101	TOILET	F-6	-	WT-1 (ALL WALLS)				P-2	8'-0"	↓	↓	
	S-102	PLUMBING ROOM	F-5	B-1	P-1	P-1	P-1	P-1	C-2	8'-0"	↓	↓	
	S-103	STEAM LAB	↓	↓	P-1 / GWC-1	P-1	P-1	P-1 / GWC-1	P-6 / C-5	EXPOSED	↓	↓	
	S-104	STORAGE	↓	↓	P-1	P-1	P-1	P-1	C-2	8'-0"	↓	↓	
	S-105	DATA	↓	↓	P-1	P-1	P-1	P-1	C-2	10'-0"	↓	↓	
	S1	STAIR	↓	↓	P-1	P-4	P-1	P-1	P-2	SEE 1/A-300	↓	↓	
	126	MS 6A SCI	-	-	-	-	P-EX	P-EX	-	EXIST'G	-	-	
	127	MS 7/8C SCI	-	-	P-EX	-	-	P-EX	-	EXIST'G	-	-	
	159	MS 7/8C SOC	-	-	P-EX	-	-	-	-	EXIST'G	-	-	
	160	MS 7/8C ENG	-	-	P-EX	-	-	-	-	EXIST'G	-	-	
	161	MS 7/8C MATH	-	-	P-EX	-	-	-	-	EXIST'G	-	-	
SECOND FLOOR	L-201	STAFF BREAK ROOM	F-3	B-1	P-4	P-1 / P-5	P-1 / P-5	P-1	C-2	9'-0"	-	-	
	L-202	EX STAFF TOILET	-	-	-	-	-	-	-	EXIST'G	-	-	
	L-203	CLOSET	F-3	B-1	P-1	P-1	P-1	P-1	C-2	9'-0"	D-1	FR-1	
	L-204	SCHOOL STORE	↓	↓	P-1 / P-3	P-4	P-4	P-4	C-2	9'-0"	↓	↓	
	L-205	RACK ROOM	↓	↓	P-1	P-1	P-1	P-1	C-2	9'-0"	↓	↓	
	L-206	RESOURCE ROOM	↓	↓	P-4	P-4	P-1	P-1	C-2	9'-0"	↓	↓	
	L-207	MULTI MEDIA ROOM	F-1	↓	P-5	P-5	P-5	P-5 / P-7	C-6	9'-0"	↓	↓	
	L-208	LIBRARY	F-1 / F-2	↓	P-1 / P-5	P-4	P-1	P-1 / P-4	C-3 / C-4 / P-3	9'-0"	↓	↓	
	L-209	BOOK RETURN	F-2	↓	P-1	P-1	P-1	P-1	C-2	8'-0"	↓	↓	
	L-210	STORAGE	F-2	↓	P-1	P-1	P-1	P-1	C-2	9'-0"	↓	↓	
	L-211	TOILET	F-6	-	WT-1 (ALL WALLS)				P-2	9'-0"	↓	↓	
	L-212	CLOSET	F-2	B-1	P-1	P-1	P-1	P-1	C-2	9'-0"	↓	↓	
	L-213	BOCES OFFICE	-	B-EX	-	-	-	P-EX	C-2	EXIST'G	-	-	
	L-214	CLASSROOM	-	B-EX	-	-	-	P-EX	-	-	D-1	FR-1	
	L-215	CLASSROOM	-	B-EX	-	-	-	P-EX	-	-	D-1	FR-1	
	214	MS 6TH GR 12:1:1	-	-	-	-	-	-	-	-	-	-	
	214.1	WORKROOM	-	-	-	-	-	-	-	-	-	-	
	215.2	MS READING INTERV.	-	B-EX	-	P-EX	P-EX	-	-	-	-	-	
	215.3	MS ALT. LEARNING ENVIRN.	-	-	-	-	-	-	-	-	-	-	
	218.99	CORRIDOR	EXIST'G / F-4	NOTE #2	P-1 / P-3	-	-	-	EXIST'G	EXIST'G	-	-	
	220	MS 8A ENG.	-	-	-	-	-	P-EX	-	-	-	-	
	242	MS 7B SOC.	-	-	P-EX	-	-	-	-	-	-	-	
	243	MS 7B ENG.	-	-	P-EX	-	-	-	-	-	-	-	
	244	MS 7B MATH	-	-	P-EX	-	-	-	-	-	-	-	

GENERAL NOTES for INTERIOR FINISHES:

1. FOR PURPOSES OF THE FINISH SCHEDULE, NORTH SHALL BE CONSIDERED TO BE THE TOP OF THE SHEET - PLEASE NOTE - THIS IS NOT CONSISTENT WITH "TRUE NORTH" AS INDICATED ON THE FLOOR PLANS.
2. PAINTED FINISHES SHALL BE AS FOLLOWS:
   - UNLESS OTHERWISE NOTED, PAINTED GYPSUM WALLS AND SOFFITS SHALL BE "SATIN" FINISH. PAINTED GYPSUM CEILINGS SHALL BE "FLAT" FINISH - SHERWIN WILLIAMS PROMAR 200 ZERO VOC INTERIOR LATEX SERIES.
     - ADJUST SHEEN PER MFGR. RECOMMENDATIONS FOR DARKER COLORS TO AVOID BURNISHING. COLORS SHALL BE AS PER THE FINISH SCHEDULE.
   - UNLESS OTHERWISE NOTED, PAINTED H.M. AND WOOD DOORS, FRAMES AND TRIMS SHALL BE "SEMI-GLOSS" FINISH - SHERWIN WILLIAMS PRO-INDUSTRIAL ACRYLIC SERIES.
3. PAINT METAL FRAMES AROUND VISION PANELS IN HM DOORS TO MATCH THE DOOR (OR FRAME) AT WHICH IT OCCURS, TYPICAL.
4. INSTALL WATERPROOFING / CRACK ISOLATION MEMBRANE UNDER ALL CERAMIC, PORCELAIN AND / OR STONE FLOOR TILE AREAS. MEMBRANE SHALL BE AS MFGRACTURED BY NOBEL COMPANY : "NOBLESEAL CIS". APPLY TO ENTIRE AREA AS DESIGNATED TO RECEIVE CERAMIC OR PORCELAIN TILE.
5. INSTALL EPOXY GROUT AT ALL FLOOR, BASE, AND WALL TILES WITHIN SCOPE OF WORK. REFER TO FINISH LEGEND AT THIS SHEET FOR GROUT COLORS.
6. FACES & DOORS OF ELEC. PANELS, ACCESS PANELS, HATCHES, ETC. WHICH OCCUR AT SURFACES SHALL BE PAINTED TO MATCH THE WALL / CEILING AT WHICH IT OCCURS (INCLUDING NEW ITEMS THAT HAVE AN UNMATCHED FACTORY ENAMEL FINISH) - THE EXCEPTION SHALL BE ITEMS WHICH HAVE A BRASS, ANOD. ALU., STAINLESS OR BRONZE FACTORY FINISH.
7. PROVIDE AND INSTALL REDUCERS, TERMINATIONS, AND THRESHOLDS AS REQUIRED AT TRANSITIONS AND/OR TERMINATIONS OF FLOORINGS INCLUDING AT DOORWAYS AND OPEN THRESHOLDS. COLOR AND STYLE OF RESILIENT REDUCERS SHALL BE AS INDICATED IN THE FINISH LEGEND.
8. INCLUDE 10% ATTIC STOCK OF EACH FLOOR FINISH SPECIFIED. PROVIDE ALL EXCESS MATERIALS FROM OPEN CARTONS AND USABLE CUT PIECES OF MATERIALS TO THE OWNER AS ATTIC STOCK. RESEAL THE MATERIALS IN THEIR ORIGINAL CARTONS AND PLACE IN STORAGE AS DIRECTED BY THE OWNER.
9. PRODUCTS AND MATERIALS LISTED AT THE FINISH LEGEND SHALL BE BID AS SHOWN WITHOUT INTENT FOR SUBSTITUTIONS UNLESS SUBMITTED AND APPROVED BY THE ARCHITECT IN ADVANCE OF BIDDING. ALL MATERIALS HAVE BEEN SELECTED BASED UPON THEIR PERFORMANCE CRITERIA AND SPECIFICATION DATA, AS WELL AS THEIR CAREFUL COORDINATION TO THE COLOR SCHEME. ANY PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED WITH ALL APPLICABLE SPECIFICATION DOCUMENTATION AND ACTUAL SAMPLES OF COLORS AND FINISHES, AND SHALL BE EVALUATED FOR FACTORS INCLUDING BUT NOT LIMITED TO STYLE, PERFORMANCE, FINISH, COLOR PATTERN, TEST DATA, WORKMANSHIP, ETC. NO SUBSTITUTIONS OF MATERIALS SHALL BE ALLOWED OR ACCEPTED WHICH THE ARCHITECT HAS NOT APPROVED IN WRITING PRIOR TO THE SUBMISSION OF BIDS.

ADDITIONAL FINISHES SCOPE:

1. REFERENCE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND ABATEMENT DRAWINGS FOR FULL EXTENT OF SPACES THAT ARE AFFECTED BY DEMOLITION AND/ OR RENOVATIONS. PATCH AND REPAIR EXISTING FINISHES IN KIND WHICH ARE DISTURBED BY DEMOLITION AND/OR RENOVATION AT ALL AREAS WITHIN THE SCOPE OF WORK WHICH ARE NOT OTHERWISE ADDRESSED ON A ROOM BY ROOM BASIS IN THE FINISH SCHEDULE ABOVE, AS WELL AS SPACES WITHIN THE FINISH SCHEDULE WHICH ARE DESIGNATED w/ EXISTING FINISHES TO REMAIN.
   - ANTICIPATE SURFACE PREP & REPAIRS RELATED TO DEMOLITION AS WELL AS SURFACE PREP AND REPAIRS WHICH MAY BE REQUIRED FOR INSTALLATION OF NEW & PATCHING OF EXIST'G FINISHES.
   - INSTALLATION OF NEW DOORS AND/OR FRAMES WHICH OCCUR IN SPACES WHICH ARE NOT DESIGNATED TO RECEIVE NEW FINISHES WITHIN THE SCHEDULE ABOVE SHALL REQUIRE PATCH AND REPAIR OF EXIST'G FINISHES TO REMAIN. PROVIDE WALL FINISH, FLOOR FINISH & BASE MATERIAL PATCHES AND REPAIRS AT EACH LOCATION.
   - WALL PAINTS WHICH CANNOT BE MATCHED FOR COLOR AND/OR SHEEN SHALL BE RE-PAINTED IN THEIR ENTIRETY.
   - ALL EXISTING HM DOORS AND/ OR HM FRAMES OCCURRING WITHIN WALLS PAINTED IN THEIR ENTIRETY WHETHER DESIGNATED IN THE FINISH SCHEDULE OR PAINTED DUE TO PATCH AND REPAIR SHALL ALSO BE PAINTED IN THEIR ENTIRETY.
   - ANTICIPATE PATCH AND REPAIR OF FLOORINGS & BASE AS WELL AS PAINTS AT WALLS FOR UNDER FLOOR DEMOLITION AND /OR INSTALLATIONS REQUIRED FOR MEP SCOPE OF WORK.
   - ANTICIPATE PATCH AND REPAIR OF CEILINGS AS WELL AS PAINTS AT WALLS AND SOFFITS FOR ABOVE CEILING DEMOLITION AND/OR INSTALLATIONS REQUIRED FOR MEP SCOPE OF WORK.

INTERIOR FINISH NOTES:

1. REFERENCE PARTIAL FLOOR FINISH PLANS AT SHEET A-701 FOR EXTENTS, LAYOUT & PATTERNING OF FLOOR FINISHES.
2. INSTALL MODULAR CARPET TILE (F-1) AND LUXURY VINYL TILE (F-2) AT LIBRARY. PROVIDE FOR A FLUSH / LEVEL TRANSITION BETWEEN FLOOR FINISHES - DO NOT INSTALL TRANSITION TRIM BETWEEN DIFFERING FLOOR FINISHES WITHIN LIBRARY (ONLY).
3. PATCH & REPAIR FINISH OF EXISTING CORRIDORS AS REQUIRED DUE TO DISTURBANCES AND / OR DAMAGES FROM DEMOLITION, CONSTRUCTION / RENOVATION AND MEP WORK. REFERENCE ARCHITECTURAL AND DEMO DRAWINGS AND NOTE THE FOLLOWING:
   - PATCH & MATCH SHALL BE REQUIRED AT SOUTH ELEVATION AT CORRIDOR - COORDINATE EXTENTS W/ EXPANSION JOINTS AS REQUIRED.
   - INSTALL SOLID VINYL TILE (F-4) AT ALCOVES / NICHES INTO LIBRARY, RESOURCE ROOM, AND STUDENT STORE. NEW MUSIC SUITE RENOVATIONS - COLOR & SIZE TO MATCH EXISTING ADJACENT FIELD TILE.
   - PROVIDE FLASH COVED BASE USING SOLID VINYL TILE (F-4) PER MANUFACTURER'S RECOMMENDATION - HEIGHT, TRIMS AND WELD ROD COLOR TO MATCH EXISTING ADJACENT CONDITIONS.

3. INSTALL WALL TILE (WT-1) FULL HEIGHT AT WALLS WITHIN TOILET ROOM, TYPICAL. WALL TILE PATTERN INDICATED AT THIS SHEET, AND NOTE THE FOLLOWING:
   - INSTALL SCHLUTER SYSTEM "JOLLY" EDGE TRIM, AT TOP AND BOTTOM EDGE OF WT-1 / TILE 2, AND FULL HEIGHT AT ALL OUTSIDE CORNERS/EDGES. FINISH: BRUSHED CHROME ANODIZED ALUMINUM. SIZE PER TILE THICKNESS.
   - INSTALL SCHLUTER SYSTEM "DILEX-AHK" COVE EXTRUSION AT ALL WALLS. FINISH: BRUSHED CHROME ANODIZED ALUMINUM, SIZE PER TILE THICKNESS. PROVIDE & INSTALL COMPATIBLE ACCESSORIES AS REQ'D.
   - PROVIDE AND INSTALL EPOXY GROUT, TYPICAL. GROUT COLORS NOTED AT FINISH LEGEND.
   - PROVIDE AND INSTALL LATICRETE "STONETECH BULLETPROOF SEALER" ON SURFACE OF WT-1 / TILE 2 (ONLY) TO PROTECT AND MAINTAIN GLOSSY CRACKLED FINISH.
4. PAINT GYP. CEILING AT DOOR ALCOVES AND TOILET ROOMS IN THEIR ENTIRETY, P-2 "SNOWBOUND", TYPICAL U.O.N.
5. PAINT ENTIRETY OF EXPOSED CEILING AT STEAM LAB, INCLUDING STRUCTURAL STEEL, UNDERSIDE OF DECK, EXPOSED DUCTWORK, CONDUIT, PIPING, MISCELLANEOUS METALS, HANGERS AND SUPPORTS, ETC.: P-6 "BLACK". PAINT SHALL BE DRY-FALL - SEE ARCH. SPECIFICATION.
6. PAINT EXISTING GYP-PORTION OF CEILINGS BEING EFFECTED BY DEMOLITION, CONSTRUCTION / RENOVATION AND MEP WORK: P-EX (TO MATCH EXISTING CONDITIONS), TYPICAL, U.O.N. REMOVE & SALVAGE EXISTING ACT TO BE REINSTALLED UPON COMPLETION OF RENOVATIONS.
7. PAINT ALL GYP. SOFFITS WITHIN LIBRARY, VERTICAL FACES AND UNDERSIDES: P-3 "GOTHIC GREEN", TYPICAL U.O.N. PAINT SOFFIT ABOVE WALL CABINETS AT CIRCULATION DESK AT LIBRARY: P-5 "PLYMOUTH ROCK.
8. PAINT SOFFIT ABOVE COMPUTER AREA AT STAFF BREAK ROOM, VERTICAL FACE & UNDERSIDE: P-3" GOTHIC GREEN".
9. PAINT SOFFITS AT EXISTING CORRIDOR THAT ARE ADJACENT TO LIBRARY AND STUDENT STORE, VERTICAL FACE AND UNDERSIDE: P-3 "GOTHIC GREEN".
10. PROVIDE & INSTALL SUPEREGRAPHIC WALL COVERING (GWC-1), FULL HEIGHT AT VERTICAL FACES (ONLY) AT SOFFIT AT STEAM LAB. GRAPHIC INTENDED TO BE CONTINUOUS, STARTING AT "WEST" SURFACE AND CONTINUING AT "NORTH" SURFACE, TERMINATING AT INSIDE CORNERS. GRAPHIC SHALL BE CONFIRMED WITH ARCHITECT & OWNER DURING SHOP DRAWING REVIEW, PRIOR TO ORDERING. ALSO, PAINT UNDERSIDE OF SOFFIT P-3 "GOTHIC GREEN". REFERENCE INTERIOR ELEVATIONS.
11. NEW WOOD DOORS (D-1) SHALL BE STAINED TO MATCH EXISTING DOORS - REFER TO DOOR SCHEDULE FOR DESIGNATIONS, DOOR TYPE, SIZES, ETC. SEE FINISH LEGEND & TYPICAL WOOD DOOR FINISH PHOTO AT THIS SHEET FOR STAIN COLOR AND FINISH, TYP.
12. HM DOOR FRAMES WITHIN RENOVATION AREA SHALL BE PAINTED IN THEIR ENTIRETY INCLUDING NEW HM FRAMES, EXISTING HM FRAMES RECEIVING NEW DOORS AND EXISTING HM FRAMES OCCURRING AT WALLS RECEIVING NEW FINISHES. REMAINING FRAMES (OCCURRING IN WALLS WITH EXISTING FINISHES TO REMAIN) MAY ALSO BE "EXIST'G TO REMAIN", HOWEVER TOUCH UP OF EXISTING COLOR MAY BE REQUIRED. FRAME COLOR FOR FULLY PAINTED FRAMES SHALL BE AS NOTED AT THE FINISH SCHEDULE. EXISTING TO REMAIN SHALL BE (P-EX) TO MATCH EXISTING.
13. NEW HM DOOR FRAMES SHALL BE PAINTED (FR-1) "IRON GATE", BOTH SIDES, TYPICAL U.O.N.
14. INSTALL SOLID SURFACE WINDOW SILL AND APRON (SOL-4) AT CLEAR STORY WINDOWS WITHIN STEAM LAB - SEE ELEVATION AND SECTION DETAILS AT A-301 SERIES DRAWINGS.
15. PROVIDE AND INSTALL NEW MOTORIZED WINDOW SHADE (MS-1) WITHIN NEW SOFFIT POCKETS AT LIBRARY. SHADES SHALL BE CONNECTED TO BUILDING'S EMERGENCY LOCKDOWN SYSTEM - REFERENCE ELECTRICAL DRAWINGS FOR MORE DETAILS. FINISHES AND FABRICS SHALL BE CONFIRMED WITH ARCHITECT & OWNER DURING SHOP DRAWING REVIEW PRIOR TO ORDERING.
16. NEW MANUAL WINDOW SHADES (MS-3) WINDOWS ADJACENT TO NEW CONNECTING LINK, TYP. FOR 4. SIZE TO FIT NEW WINDOW OPENING. WINDOW SHADE VALANCE AND SHADE FABRIC SHALL MATCH EXISTING (V.I.F.). FINISHES AND FABRICS SHALL BE CONFIRMED WITH ARCHITECT & OWNER DURING SHOP DRAWING REVIEW PRIOR TO ORDERING.
17. NEW MANUAL WINDOW SHADE (MS-2) AT INTERIOR SIDE OF WINDOW AT L-207. FINISHES AND FABRICS SHALL BE CONFIRMED WITH ARCHITECT & OWNER DURING SHOP DRAWING REVIEW PRIOR TO ORDERING.
18. PROVIDE & INSTALL TRANLUCENT WRITEABLE WINDOW FILM (DF-1) AT WINDOWS AND GLAZED DOORS AT STEAM LAB. REFERENCE ELEVATIONS AT SHEETS A-300 AND A-801 FOR PLACEMENT AND EXTENTS.
19. PROVIDE & INSTALL OPAQUE WINDOW FILM (DF-2) ON THE INTERIOR SIDE OF THE EXISTING WINDOWS AT WORKROOM 214.1.

FINISH LEGEND

FLOORINGS

F-1: MODULAR CARPET TILE (LIBRARY)
THE FOLLOWING COLORS ARE USED TO CREATE FLOOR CARPET PATTERN(S):
MANUF: INTERFACE
STYLE: WORLD WOVEN
COLOR: "TBD"
INSTALLATION: ASHLAR
SEE FLOOR FINISH PLAN
CONTACT: ERICA GROH
PH: 717-617-7844

F-2: LUXURY VINYL TILE (LIBRARY)
MANUF: INTERFACE
STYLE: NORTHERN GRAIN 4.5
COLOR: "OAK SATIN"
SIZE: 25cm x 1m x 4.5mm
INSTALLATION: ASHLAR
SEE FLOOR FINISH PLAN
CONTACT: ERICA GROH
PH: 717-617-7844

F-3: LUXURY VINYL TILE (STAFF LOUNGE)
MANUF: AVA
STYLE: 2VRSE
COLOR: "TBD"
NUMBER: TBD
SIZE: 9.84" x 39.97" x 2.5mm
INSTALLATION: ASHLAR / BRICK BOND
SEE FLOOR FINISH PLAN
CONTACT: DOUG FULMER
PH: 717-945-4010

F-4: SOLID VINYL TILE (MATCHES EXISTING)
MANUF: AMERICAN BILTRITE
DISTR'B: SPARTAN SURFACES
STYLE: TEXAS GRANITE
COLOR: # VTG-143 - "WHITE TAUPE"
SIZE: TO MATCH EXISTING
FINISH: SHEEN TO MATCH EXISTING
CONTACT: DOUG FULMER
PH: 717-945-4010

F-5: SOLID VINYL TILE (STEAM)
MANUF: PATCRAFT
STYLE: ADMIX
COLOR: # 00518 - "WILLOW"
SIZE: 18" x 36"
THICKNESS: 5⁄16"
INSTALLATION: MONOLITHIC
CONTACT: JON McCORMACK
PH: 717-917-6808

F-6: PORCELAIN TILE
MANUF: DALTILE
STYLE: LINDEN POINT
COLOR: #LP21 "GRIGIO"
SIZE: 12" x 24"
THICKNESS: 5⁄16"
GROUT MANUF: LATICRETE
GROUT COLOR: #543 "DRIFTWOOD"
CONTACT: VICKIE VIGIL
PH: 973-856-4052

BASE MATERIALS:

B-EX: RESILIENT BASE
MFGR: TO MATCH EXISTING
STYLE: TO MATCH EXISTING
COLOR: TO MATCH EXISTING
SIZE: TO MATCH EXISTING

B-1: 6" HIGH RUBBER BASE
MFGR: ROPPE
STYLE: 6"H STANDARD TOE BASE
COLOR: #147 "LIGHT BROWN"

RESILIENT TRANSITIONS
PROVIDE ROPPE REDUCERS/ADAPTERS:
- AS REQUIRED AT EDGES OF DIFFERENT HEIGHT FLOORINGS.
- AS REQUIRED AT EDGES OF SAME OR VERY SIMILAR HEIGHT FLOORINGS.

COLOR: # 147 "LIGHT BROWN"

PROVIDE JOHNSONITE "METAL EDGE" #MET02 - REFERENCE THRESHOLD TYPES ON DOOR SCHEDULE.
COLOR: # 179 "STEEL"

WALLCOVERING:

GWC-1: CUSTOM GRAPHIC WALL COVERING
MFGR: TAKEFORM
DISTR'B: INGRAM GROUP LLC
PROD: AMPLIFY WALLCOVERING / SELF-ADHESIVE
STYLE: SA-105 "TRAFFIC"
SIZE: WALL-TO-WALL
(Graphic To Be Confirmed by Architect in Shop Drawing Review)
CONTACT: JAKE INGRAM
PH: 215-828-3566

WALL FINISHES / PAINTS:

P-EX: PAINT (TO MATCH EXISTING)
VARIOUS EXISTING PAINT COLORS EXIST WITHIN THE ADMINISTRATIVE BUILDING AT WALLS, CEILINGS, DOORS AND FRAMES. COLOR INFORMATION MAY BE AVAILABLE FROM THE DISTRICT, HOWEVER, COLOR MATCHING MAY ALSO BE REQUIRED. FIELD VERIFY COLOR AND SHEEN AT AREAS OF PATCH AND REPAIR WORK.

P-1: PAINT
MANUF: BENJAMIN MOORE
COLOR: "ICICLE"
NUMBER: OC-60

P-2: PAINT
MANUF: SHERWIN WILLIAMS
COLOR: "SNOWBOUND"
NUMBER: SW 7004

P-3: PAINT
MANUF: SHERWIN WILLIAMS
COLOR: "GREEN" TO MATCH DISTRICT STANDARD PAINT COLOR

P-4: PAINT
MANUF: BENJAMIN MOORE
COLOR: "LONDON FOG"
NUMBER: # 1541

P-5: PAINT
MANUF: BENJAMIN MOORE
COLOR: "PLYMOUTH ROCK"
NUMBER: # 1543

P-6: PAINT
MANUF: BENJAMIN MOORE
COLOR: "BLACK"
NUMBER: # 2132-10

P-7: PAINT
MANUF: ROSCO LABORATORIES INC.
PROD: DIGICOMP HD
TYPE: WATER BASED VINYL ACRYLIC
COLOR: "GREEN"
SHEEN: ULTRA FLAT

WALL FINISHES / TILE:

WT-1: GLAZED & PORCELAIN WALL TILE w/ ACCENT
THE FOLLOWING STYLES ARE USED TO CREATE WALL TILE PATTERN(S):

TILE 1: GLAZED PORCELAIN
MANUF: DALTILE
STYLE: LINDEN POINT
COLOR: # LP21 "GRIGIO
FINISH: MATTE
SIZE: 12" x 24"
GROUT: MANUF: LATICRETE
COLOR: #78 "STERLING SILVER"
CONTACT: VICKIE VIGIL
PH: 973-856-4052

TILE 2: GLAZED CERAMIC MOSAIC
DISTR'B: TILE BAR
STYLE: KANBINA
COLOR: "JUNGLE GREEN"
FINISH: GLOSSY, CRACKLED FINISH
SIZE: 5" x 18" x 9mm THICK (MESH MOUNTED)
GROUT: MANUF: LATICRETE
COLOR: #45 "RAVEN"
CONTACT: MICHAEL MCDERMOTT
PH: 610-739-6945

CEILINGS:

C-1: A.R.E. STANDARD ACT (CORRIDORS / STAIR)
MANUF: ARMSTRONG
STYLE: #942BTO MATCH DISTRICT STANDARD
SIZE: 24" x 48"
COLOR: WHITE
GRID: PRELUDE 15⁄16 - TO MATCH DISTRICT STANDARD
COLOR: "WHITE"
NOTES: THIS TILE AND GRID SHALL BE USE AT ALL LOCATIONS IDENTIFIED AS TILE AND OR TILE AND GRID REPLACEMENT INDICATED ON THE ARCH. DWGS.

C-2: ACOUSTICAL CEILING TILE (STRG/CLSRM)
MANUF: ARMSTRONG
STYLE: ULTIMA LAY-IN
ITEM: #1910
COLOR: "WHITE"
SIZE: 24" x 24" x 3/4"
ACOUSTICS: 0.75 NRC / 35 CAC
GRID: PRELUDE XL 15⁄16"
GRID COLOR: WHITE

C-3: ACOUSTICAL CEILING TILE (LIBRARY MAIN)
MANUF: ARMSTRONG
STYLE: CALLA - LAY-IN
ITEM: #2821
COLOR: "WHITE"
SIZE: 24" x 48" x 1" THICK
ACOUSTICS: 0.85 NRC / 35 CAC / 170 AC
GRID: PRELUDE XL 15⁄16"
GRID COLOR: "WHITE"

C-4: WOOD-LOOK ACOUSTICAL CEILING TILE (LIB)
MANUF: ARMSTRONG
STYLE: LYRA PB - TEGULAR
ITEM: #8357PBWVA
COLOR: "VANILLA ASH"
SIZE: 24" x 48" x 1" THICK
ACOUSTICS: 0.95 NRC
GRID: SUPRAFINE XL 9⁄16"
GRID COLOR: "HAY" (SHY)

C-5: DIRECT-ATTACH CEILING PANELS (STEAM)
MANUF: ARMSTRONG
STYLE: LYRA PB - DIRECT ATTACH
ITEM: #8400PB and #8401PB
COLOR: "BLACK"
SIZE: 24" x 24" and 24" x 48" x 1" THICK
EDGE: SQUARE (ALL SIDES)
ACOUSTICS: 0.95 NRC
MOUNTING: D-40 / ADHESIVE TO METAL DECK

C-6: ACOUSTICAL CEILING TILE (MEDIA ROOM)
MANUF: ARMSTRONG
STYLE: CALLA - LAY-IN
ITEM: #2820BK
COLOR: "BLACK"
SIZE: 24" x 24" x 1" THICK
ACOUSTICS: 0.85 NRC / 35 CAC / 170 AC
GRID: PRELUDE XL 15⁄16"
GRID COLOR: "BLACK"

CONTACT: BENJAMIN HINKLE
PH: 717-719-3764

NOTE: CEILING PAINTS ARE REFERENCED FROM THE LIST OF WALL PAINTS AT LEFT

DOORS:

D-1: WOOD DOOR
MANUF: FORTE or EQUAL (TO MATCH DISTRICT STANDARD)
SPECIES: PLAIN SLICED RED OAK
SIZE: SEE DOOR SCHEDULE
STAIN: TO MATCH EXISTING (FORMERLY GRAHAM #225)
FINISH: TO MATCH EXISTING

D-2: ALUMINUM GLAZED
STYLE: PER ARCH. SPECIFICATION
COLOR: TO BE SELECTED FR. MANF. STANDARD COLORS

FRAMES:

FR-1: PAINTED H.M.
MAUNF: BENJAMIN MOORE
COLOR: IRON GATE
NUMBER: 1545

FR-2: ALUMINUM
STYLE: PER ARCH. SPECIFICATION
COLOR: TO BE SELECTED FR. MANF. STANDARD COLORS

NOTE: UTILIZE INDUSTRIAL PAINT SYSTEM SUITABLE FOR BOTH NEW AND PREVIOUSLY PAINTED H.M. FRAMES

TYPICAL EXISTING WOOD DOOR FINISH

NEW WOOD DOORS (D-1) TO MATCH EXISTING.
SEE FINISH NOTE #11

MILLWORK:

PL-1: PLASTIC LAMINATE
MANUF: WILSONART
COLOR: #7928 "CASTLE OAK"
FINISH: #38 FINE VELVET TEXTURE

PL-2: PLASTIC LAMINATE
MFGR: WILSONART
COLOR: #8212K "PHANTOM ECRU"
FINISH: #28 GLOSS LINE FINISH w/ AEON SCRATCH RESISTANCE

PL-3: PLASTIC LAMINATE
MFGR: WILSONART
COLOR: #8235K "DAINTREE"
FINISH: #05 TIMBERGRAIN FINISH w/ AEON SCRATCH RESISTANCE

SOL-1: SOLID SURFACE
MANUF: HYUNDAI
STYLE: HANEX SOLID SURFACES
COLOR: #T-500 "TOFFEE CRUNCH"
SHEET SIZE: 30"W x 144"L x ½" THICK

SOL-2: SOLID SURFACE
MANUF: KRION SOLID SURFACE S.A.
DISTR'B: PORCELANOSA
STYLE: TERRAZZO SERIES
COLOR: #T104 "VERTO"
SHEET SIZE: 30"W x 145"L x ½" THICK

SOL-3: SOLID EPOXY RESIN SURFACE
MANUF: KEWAUNEE
STYLE: KEMRESIN EPOXY RESIN
COLOR: "SLATE"
EDGE: ⅛" BEVEL (STANDARD)
THICKNESS: 1" THICK
NOTE: SEE SCIENCE LAB FIXTURE LEGEND ON SHEET A-802 FOR MATCHING DROP-IN SINKS.

SOL-4: SOLID SURFACE
MANUF: LX HAUSYS HIMACS
STYLE: CLASSIC COLLECTION
COLOR: #GT909 "ARMADILLO"

BB-1: TACKABLE BULLETIN BOARD MATERIAL
MANUF: FORBO
STYLE: UNI-COLORED LINOLEUM
COLOR: #--- "COLOR TBD"
CONTACT: PH: 1-800-842-7839

PVC EDGE SCHEDULE

LAMINATE DESIGNATIONS	SURTECO PVC COLOR
PL-1	#4897
PL-2	#30189AAM
PL-3	#31081EVM

NOTES:

1. ALL DOORS, DRAWERS, AND COUNTERTOPS & ADJUSTABLE SHELVES THAT RECEIVE PL. LAM. FINISH SHALL RECEIVE 3mm PVC EDGES.
2. ALL CABINETS FRAMES THAT RECEIVE PL. LAM. FINISH SHALL RECEIVE 3mm PVC EDGES.
3. EDGEBANDING FOR PL-2 & PL-3 LAMINATE IS **NOT** TYPICALLY STOCKED - ALLOW FOR LONGER LEAD TIME.

MISCELLANEOUS:

MS-1: MOTORIZED PRIVACY WINDOW SHADE (LIBRARY)
MANUF: MECHO SHADE
SYSTEM: ELECTRO1 EXTENDED BRACKET
MOUNT: RECESSED SOFFIT POCKET
FABRIC: TBD
COLOR: TBD
OPENNESS: 0% BLACKOUT
NOTE: To be Confirmed by Architect in Shop Dwg. Review

MS-2: MANUAL PRIVACY WINDOW SHADE (MULTIMEDIA)
MANUF: MECHO SHADE
MOUNT: INSIDE MOUNT W/ VALANCE
FABRIC: TBD
COLOR: TBD
OPENNESS: 0% BLACKOUT
NOTE: To be Confirmed by Architect in Shop Dwg. Review

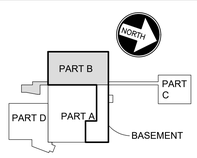
MS-3: MANUAL SOLAR WINDOW SHADE (CLASSROOMS)
MANUF: MECHO SHADE
MOUNT: INSIDE MOUNT W/ VALANCE
FABRIC: TBD
COLOR: TBD
OPENNESS: 3%
NOTE: To be Confirmed by Architect in Shop Dwg. Review

DF-1: DECORATIVE WRITEABLE WINDOW FILM
MANUF: SOLYX GLASS FINISHES
DISTR'B: DECORATIVE FILMS, LLC
STYLE: PREMIUM DRY ERASE
PRODUCT #: SX-2040
COLOR: "FOG"
PRIVACY: LEVEL 3 - MORE PRIVATE
SIZE: 59"W x 98 LINEAR FEET - ROLLED GOODS
THICKNESS: 4 mil
NOTE: SEE INTERIOR ELEVATIONS FOR DESIGNATIONS
CONTACT: www.decorativefilm.com

DF-2: PRIVACY WINDOW FILM (INFILL WINDOW)
MANUF: SOLYX GLASS FINISHES
DISTR'B: DECORATIVE FILMS, LLC
STYLE: WHITEOUT SAND
PRODUCT #: SX-SC319
FINISH: "SANDY" MATTE TEXTURE
PRIVACY: LEVEL 4 - MOST PRIVATE / OPAQUE
SIZE: 48"W x 98 LINEAR FEET - ROLLED GOODS
THICKNESS: 6 mil
CONTACT: www.decorativefilm.com

TACK-1: FRAMED TACKBOARD FABRIC
MANUF: DUVALTEX - GUILFORD OF MAINE
STYLE: FR701 2100
COLOR: #--- "COLOR TBD"
NOTE: CLASS-A FIRE RATED

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

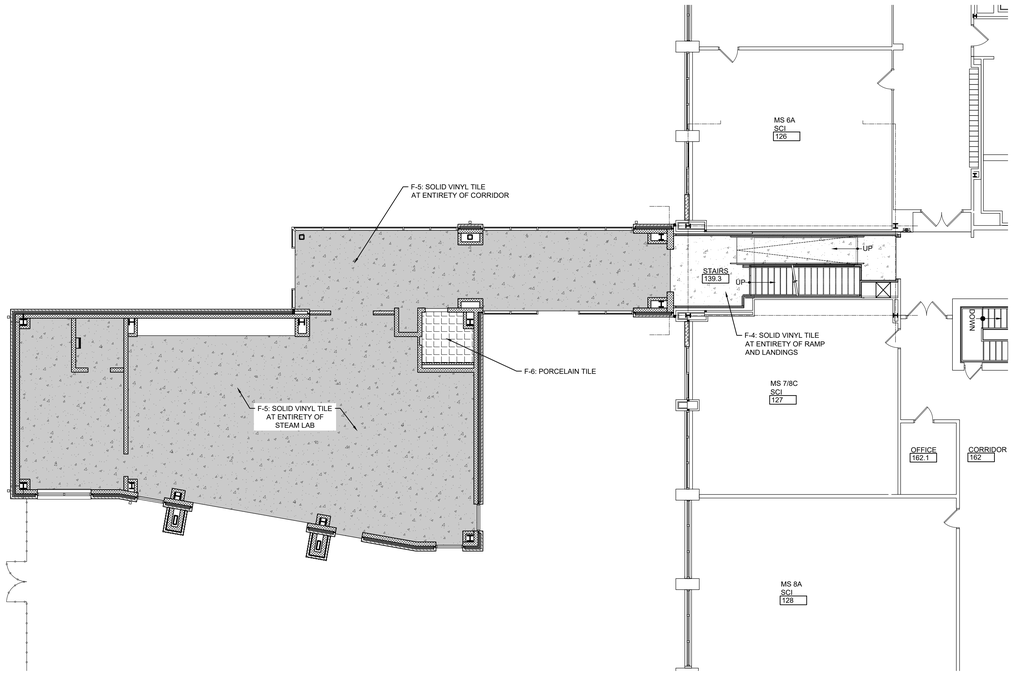
HIGHLAND
ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:
Vestal
Central School District
201 Main Street | Vestal, NY 13850
◆
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
INTERIOR FINISH LEGEND, SCHEDULE, AND NOTES

DRAWN BY: E.V.
PROJECT NO.: 2025-151P
CHECKED BY: Y.Y.Y.
DRAWING NO.: A-700
DATE: 02-09-2026

CAD FILE: 5151-A-700.DWG
PLOT DATE: 2/6/2026



FLOORING LEGEND:

F-1: MODULAR CARPET TILE (FIELD)
SIZE: 25cm x 1m
INSTALL.: ASHLAR

F-2: LUXURY VINYL TILE
SIZE: 25cm x 1m
INSTALL.: ASHLAR

F-3: LUXURY VINYL TILE
SIZE: 9.84" x 39.97"
INSTALL.: ASHLAR / BRICK BOND

F-4: SOLID VINYL TILE
STYLE: TEXAS GRANITE
COLOR: "WHITE / TAUPE"
INSTALL.: TO MATCH EXISTING

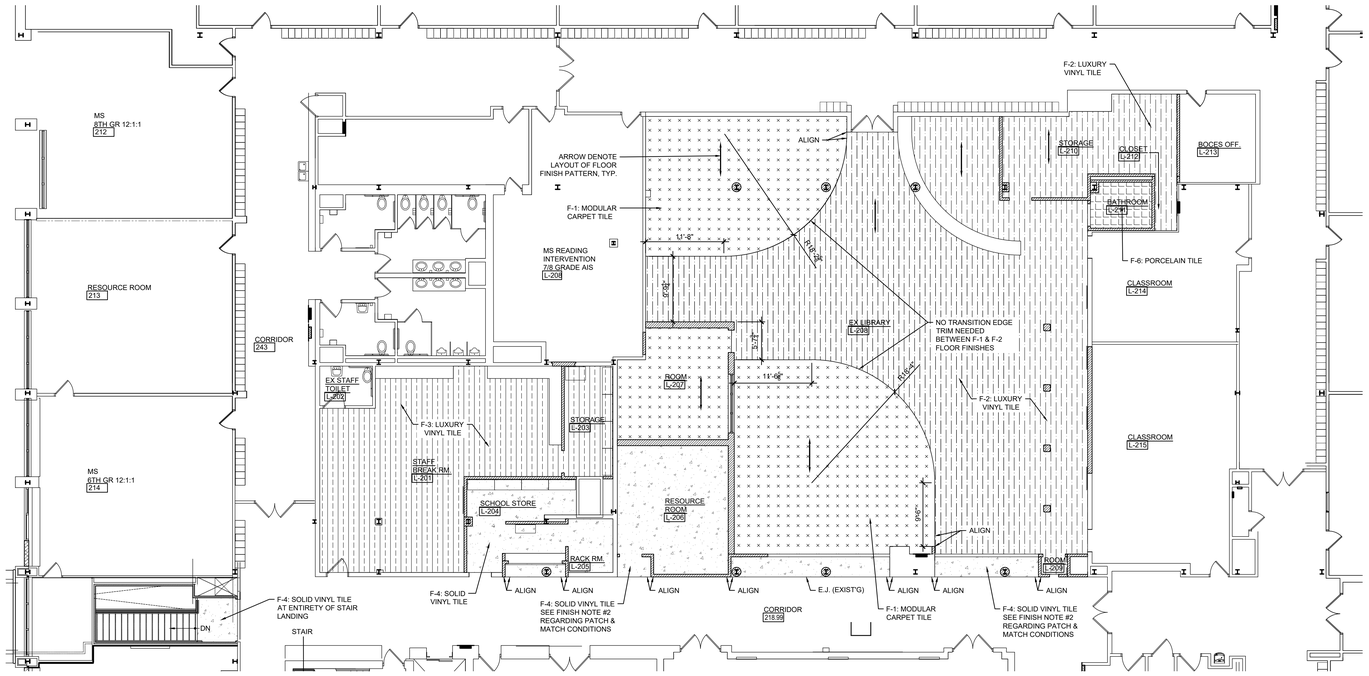
F-5: SOLID VINYL TILE
STYLE: ADMIX
COLOR: "WILLOW"
INSTALL.: MONOLITHIC

F-6: PORCELAIN TILE
STYLE: LINDEN POINT
COLOR: "GRIGIO"
INSTALL.: MONOLITHIC

1
A-700

STEAM LAB, STAIR AND RAMP
PARTIAL FLOOR FINISH PLAN

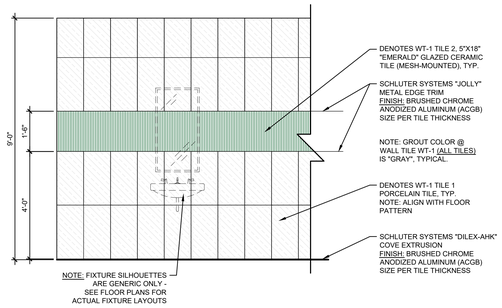
SCALE: 1/8" = 1'-0"



2
A-700

LIBRARY & ADJACENT SPACES
PARTIAL FLOOR FINISH PLAN

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

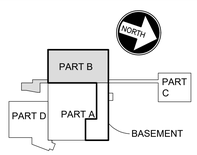


3
A-700

TYPICAL WALL TILE PATTERN @
TOILET ROOMS 100A, 100B, & 100C

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

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

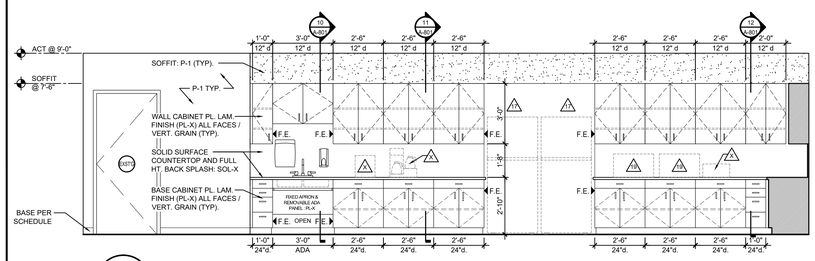
SEALS:

HIGHLAND
ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

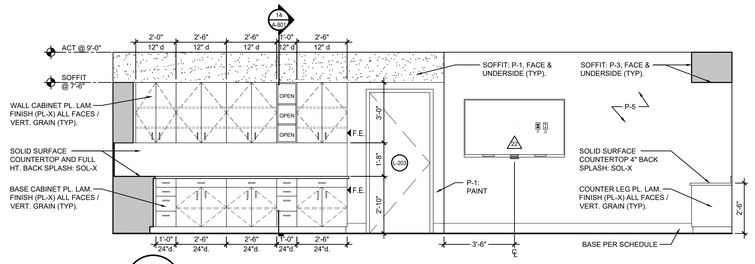
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
INTERIOR FLOOR FINISH
PLANS AND DETAILS

DRAWN BY:	PROJECT NO.:
E.V.	2025-151P
CHECKED BY:	DRAWING NO.:
Y.Y.Y.	A-701
DATE: 02-09-2026	



1 A-800 NORTH ELEVATION @ BREAK ROOM
SCALE: 3/8" = 1' - 0"



2 A-800 EAST ELEVATION @ BREAK ROOM
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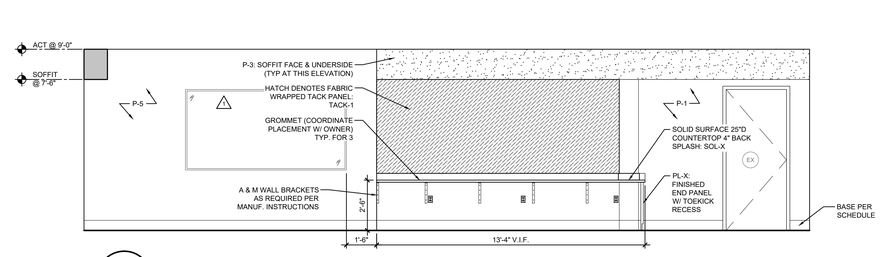
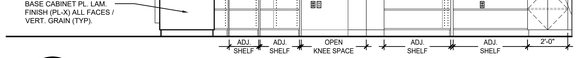
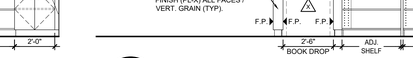


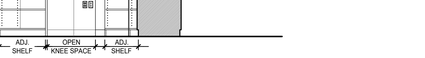
3 A-800 SOUTH ELEVATION @ BREAK ROOM
SCALE: 3/8" = 1' - 0"



4 A-800 MILLWORK ELEVATION @ LIBRARY
SCALE: 3/8" = 1' - 0"



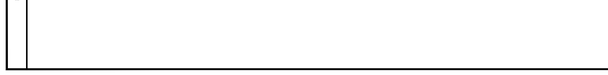
5 A-800 MILLWORK ELEVATION @ LIBRARY
SCALE: 3/8" = 1' - 0"



6 A-800 CIRCULATION DESK
SCALE: 3/8" = 1' - 0"

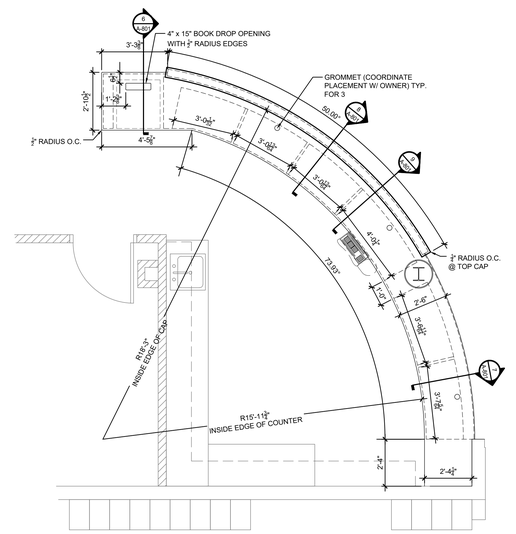
7 A-800 CIRCULATION DESK
SCALE: 3/8" = 1' - 0"

15 A-800 NORTH ELEVATION @ L-206
SCALE: 3/8" = 1' - 0"



8 A-800 CIRCULATION DESK
SCALE: 3/8" = 1' - 0"

9 A-800 CIRCULATION DESK
SCALE: 3/8" = 1' - 0"

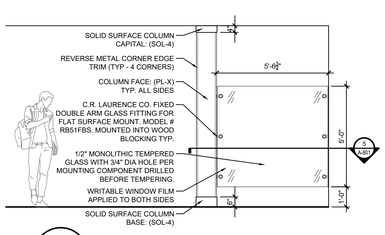


10 A-800 CIRCULATION DESK
SCALE: 3/8" = 1' - 0"

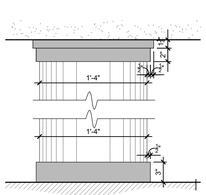
MILLWORK HARDWARE SCHEDULE			
ITEM	MANUF.	MODEL NUMBER	DESCRIPTION
4" CABINET PULLS	BELLWITH PRODUCTS (HICKORY HARDWARE)	# BEL-3334-SS 3 ¾" (96 MM) C.C.	4 1/4" SATIN STAINLESS PULL FOR USE @ ALL CABINET DOORS AND DRAWERS UNLESS OTHERWISE NOTED
SUPPORT BRACKET	A & M HARDWARE INC.	(ORDER BY SIZE & COLOR)	SIZES AS REQUIRED /COLOR: BLACK WEBSITE : www.aandmhardware.com
CONCEALED FLAT BRACKET	A & M HARDWARE INC.	(ORDER BY SIZE & COLOR)	SIZES AS REQUIRED /COLOR: BLACK WEBSITE : www.aandmhardware.com
CAM LOCK w/ CYLINDER	HAFELE	CAT. # C8053-14A	CAM LOCK w/ KEYED DIFFERENT AND ALIKE OPTION WITH MASTER KEYS
CABINET HINGE	HAFELE GRASS TIOMOS OR EQUAL		SOFT CLOSE 110° CONCEALED EUROPEAN HINGE W/ 3 WAY ADJUSTMENT
ADA REMOVABLE PANEL ATTACHMENTS	KEKU (AS DISTRIBUTED BY HAFELE)	TWO PART SYSTEM: 262.49.368 262.49.351	COLOR: BLACK HOOK-ON VARIANTA EHS FRAME COMP. W/ SIDE GUIDE HOOK-ON VARIANTA PANEL COMP. W/O LIP
INSTITUTIONAL SHELF SUPPORT	TENN-TEX	T-803	FOR USE AT ALL ADJUSTABLE SHELVING AT OPEN CABINETS
DESKTOP GROMMET	DOUG MOCKETT INC	FLX1-90	FLEX GROMMET / SOFT RUBBER TOP w/ STAR CUT TO PREVENT CABLES FROM FALLING THROUGH
KEYBOARD TRAY	HUMANSCALE	2G 900 90G 22	CLIP MOUSE SYSTEM W/ 2G MECHANISM / 10" w/ FOAM PALM SUPPORT WEBSITE: www.humanscale.com
PENCIL TRAY INSERT/ ORGANIZER	DEFLECTO-O CORP.	ITEM #556859 Manf. # DEF38104	PLASTIC DESK ORGANIZER / 1" H. x 14" W. x 9" D. / Color: BLACK
ALUMINUM OUTSIDE CORNER	MONARCH METALS	ITEM #EPS-OC075-N Manf. # CLEAR ANODIZED	FOR USE AT GLASS WALL SUPPORTS IN THE LIBRARY

MILLWORK GENERAL NOTES:

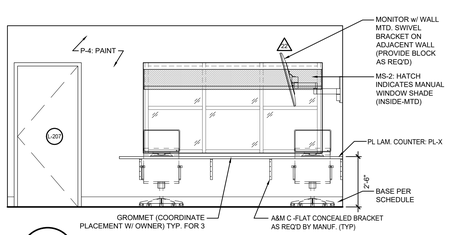
1. ALL FIXED AND ADJUSTABLE SHELVING WITHIN OPEN CABINETS SHALL BE 1" M3 PARTICLE BOARD. PROVIDE EDGEBAND @ ALL EDGES & PL. LAM. FINISH TOP & UNDERSIDE.
2. ALL FIXED & ADJUSTABLE SHELVING WITHIN CLOSETS AND STORAGE AREAS SHALL BE 1" M3 PARTICLE BOARD. PROVIDE EDGEBAND @ ALL EDGES & PL. LAM. FINISH TOP & UNDERSIDE. ADJUSTABLE SHELVES SHALL BE PROVIDED WITH DOUBLE SLOTTED STANDARDS AND BRACKETS - SEE MILLWORK HW SCHEDULE.
3. REFERENCE ELEVATIONS FOR DEPTHS OF ALL CABINETS. ALL BASE & TALL CABINETS SHALL BE 24" DEEP UNLESS OTHERWISE NOTED.
4. PROVIDE WOOD BLOCKING AS REQUIRED FOR MILLWORK INSTALLATION.
5. PROVIDE HEAVY DUTY SLIDES AT ALL FILE DRAWERS, PAPER DRAWERS AND PULL OUT SHELVES.
6. ALL LAMINATE MILLWORK CABINETS (BASE, WALL AND SHELVING) SHALL RECEIVE PLASTIC LAMINATE FINISH ON ALL EXPOSED AND SEMI-EXPOSED SURFACES INCLUDING THE TOP AND BOTTOM SURFACES OF WALL CABINETS.
7. COORDINATE WITH MEP CONTRACTORS AND VERIFY IN FIELD ALL ROUGH PLUMBING, ELECTRICAL & HVAC SERVICE LOCATIONS WHICH INTERFACE WITH MILLWORK. DEPICT ALL ELECTRICAL DEVICES, MECHANICAL GRILLES, ETC. WHICH OCCUR ON OR WITHIN MILLWORK SURFACES IN SHOP DRAWINGS.
8. REFERENCE MILLWORK ELEVATIONS FOR ASSIGNMENT OF LAMINATE COLORS AND OTHER FINISH DESIGNATIONS.
9. ALL LAMINATE FACED MILLWORK SHALL HAVE 3MM PVC EDGES UNLESS OTHERWISE NOTED, INCLUDING ADJUSTABLE SHELVING (WHICH MAY BE BEHIND CABINET DOORS). SEE THE FINISH SCHEDULE FOR PVC EDGE COLORS.
10. ADJUSTABLE SHELVING @ ALL CABINETS SHALL RECEIVE INSTITUTIONAL SHELF SUPPORTS. SEE HARDWARE SCHEDULE.
11. PROVIDE MINIMUM OF (2) HINGES PER CABINET DOOR - (3) PER DOOR 3'-0" TO 48", QUANTITY PER MANF. RECOMMENDATIONS FOR DOORS GREATER THAN 48".
12. CONSTRUCTION OF ALL MILLWORK WITHIN EGRESS CORRIDORS SHALL BE CLASS A FIRE RATED MATERIALS (TYP).
13. PROVIDE TOP CAPS AND TRIM AT ALL LOW WALLS (TYPICAL). FINISH SHALL BE PL. LAMINATE OR SOLID SURFACE AS DENOTED AT THE ARCHITECTURAL DRAWINGS.
14. ALL TALL CABINETS, & FILE CABINETS SHALL BE PROVIDED WITH LOCKS. PROVIDE LOCKS @ BASE & WALL CABINETS ONLY AS SHOWN ON ELEVATIONS.
15. PROVIDE GROMMETS @ ALL WORKSURFACES W/ OPEN KNEESPACE BELOW. FIELD VERIFY GROMMET LOCATIONS.
16. ALL WARDROBE CABINETS SHALL HAVE A FIXED CENTER DIVIDER WITH THE FOLLOWING COMPONENTS ON ONE SIDE: HANGING ROD WITH FIXED SHELF, (ADJUSTABLE) SHELF, MIRROR AT INSIDE FACE OF DOOR AND (MIN. OF 2) COAT HOOKS.



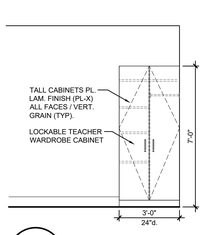
11 A-800 COLLABORATION WALLS
SCALE: 3/8" = 1' - 0"



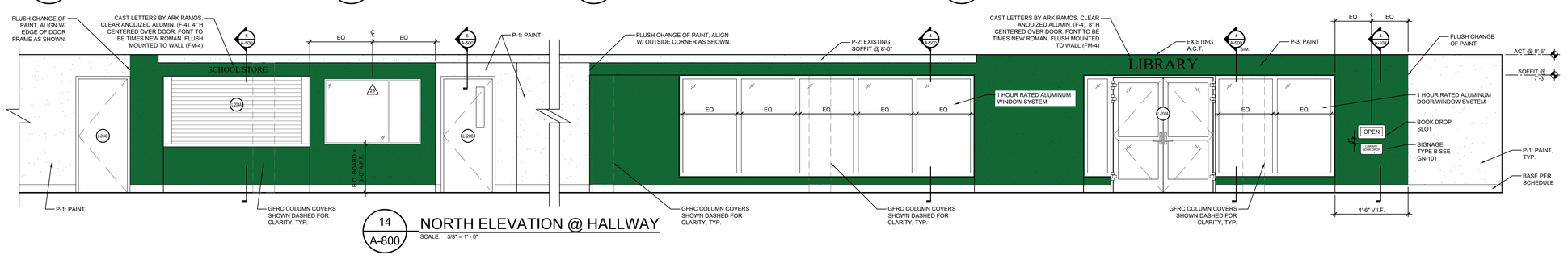
12 A-800 COLUMN DETAIL
SCALE: 3" = 1' - 0"



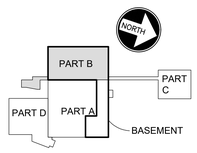
13 A-800 EAST ELEVATION @ MULT-MEDIA
SCALE: 3/8" = 1' - 0"



16 A-800 SOUTH ELEV. @ L-206
SCALE: 3/8" = 1' - 0"



14 A-800 NORTH ELEVATION @ HALLWAY
SCALE: 3/8" = 1' - 0"



KEY PLAN

REVISIONS

BID DOCUMENTS
02-09-2026

SEALS:

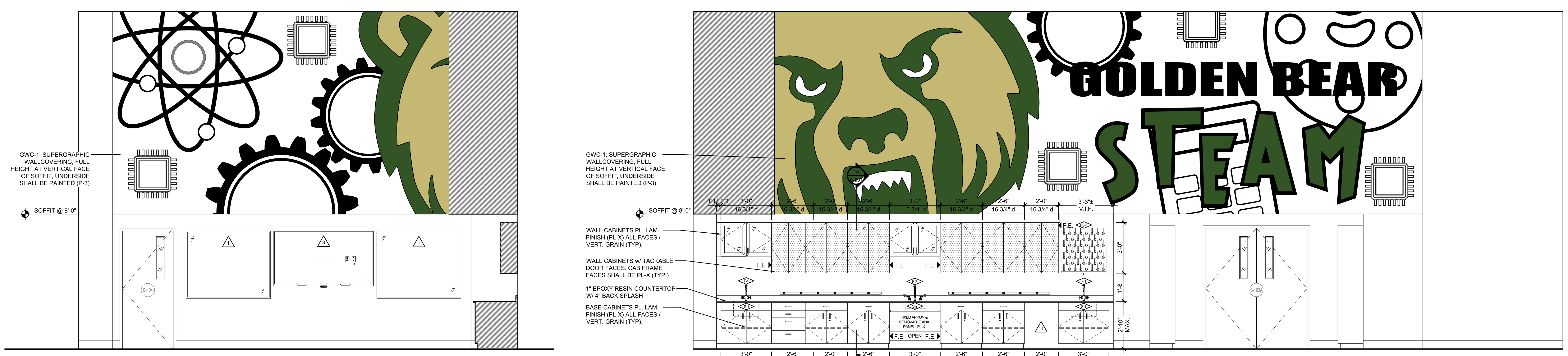
HIGHLAND
ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
INTERIOR ELEVATIONS (LIBRARY)

DRAWN BY:	PROJECT NO.:
EV / DN	2025-151P
CHECKED BY:	DRAWING NO.:
DM	A-800
DATE: 02-09-2026	

CAD FILE PLOT DATE: 2/9/2026



1 A-801 WEST ELEVATION @ STEAM LAB
SCALE: 3/8" = 1' - 0"

2 A-801 NORTH ELEVATION @ STEAM LAB
SCALE: 3/8" = 1' - 0"

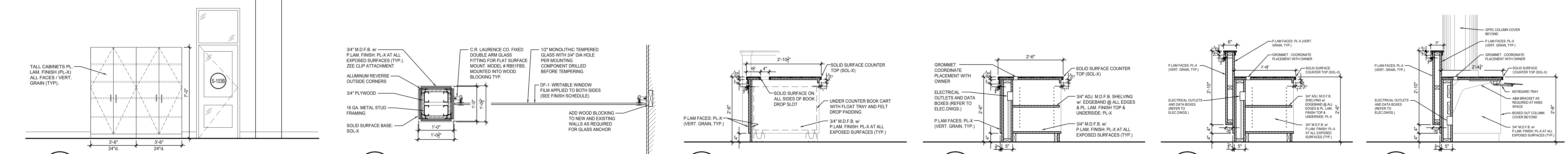
HATCH DENOTES TACKABLE FACE (BB-1) AT OVERHEAD CABINETS

SCIENCE LAB FIXTURE LEGEND				
SYM.	ITEM	MANUF.	MODEL #	NOTES
S-1	EPOXY RESIN SINK	KEWAUNEE	1003-DI-BK	
S-2	ADA EPOXY RESIN SINK	KEWAUNEE	1000-ADA-DI-BK	
F-1	LABORATORY FAUCET	KEWAUNEE	W-0340-6V	
F-2	ADA LABORATORY FAUCET	KEWAUNEE	W-0340-6V	ADD W-0358-00 ADA WRIST BLADE HANDLES
PB-1	KEMRESIN LAB PEGBOARD	KEWAUNEE	X-020015	INCLUDE F-2940-00 DRIP TROUGH

3 A-801 EAST ELEVATION @ STEAM LAB
SCALE: 3/8" = 1' - 0"

HATCH DENOTES TACKABLE FACE (BB-1) AT OVERHEAD CABINETS

HATCH DENOTES WRITEABLE PRIVACY WINDOW FILM (DF-1) INTERIOR SIDE OF GLASS (ONLY)



4 A-801 PARTIAL SOUTH ELEV. @ STEAM LAB
SCALE: 3/8" = 1' - 0"

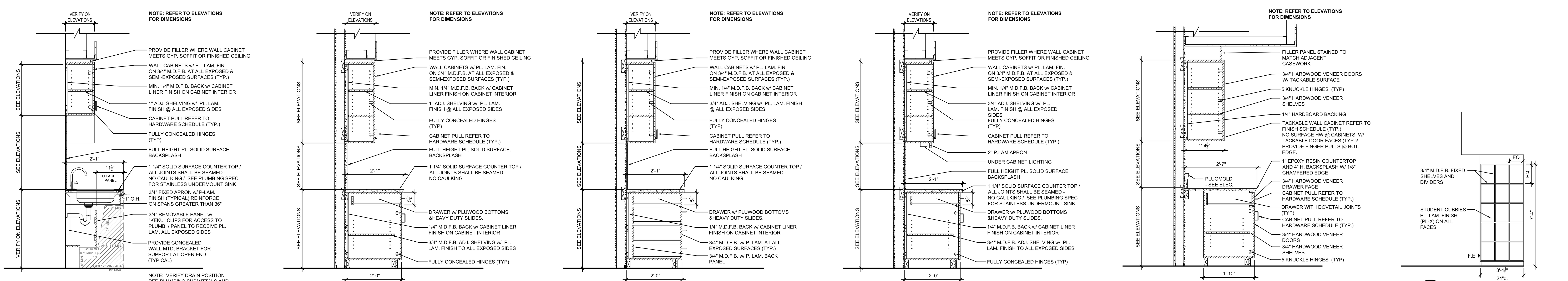
5 A-801 SECTION @ LIBRARY COLAB. WALL
SCALE: 1" = 1'-0"

6 A-801 MILLWORK SECTION
SCALE: 3/4"=1'-0"

7 A-801 MILLWORK SECTION
SCALE: 3/4"=1'-0"

8 A-801 MILLWORK SECTION
SCALE: 3/4"=1'-0"

9 A-801 MILLWORK SECTION
SCALE: 3/4"=1'-0"



10 A-801 MILLWORK SECTION
SCALE: 3/4"=1'-0"

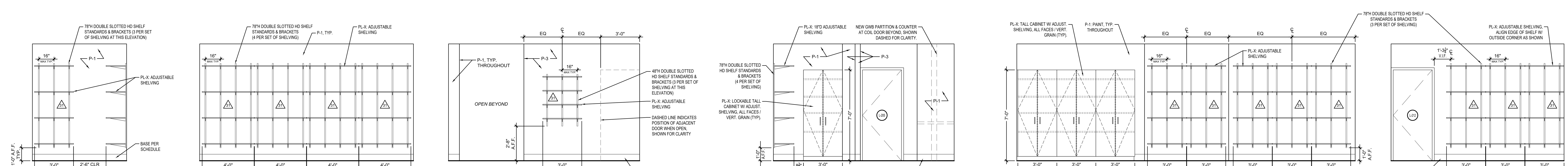
11 A-801 MILLWORK SECTION
SCALE: 3/4"=1'-0"

12 A-801 MILLWORK SECTION
SCALE: 3/4"=1'-0"

13 A-801 MILLWORK SECTION
SCALE: 3/4"=1'-0"

15 A-801 CASEWORK SECTION
SCALE: 3/4"=1'-0"

16 A-801 STUDENT CUBBIES
SCALE: 3/8" = 1' - 0" SIMILAR OPPOSITE SIDE



17 A-801 NORTH ELEV. @ L-203
SCALE: 3/8" = 1' - 0"

18 A-801 EAST ELEV. @ L-203
SCALE: 3/8" = 1' - 0" SIMILAR AT NORTH ELEVATION @ SCHOOL STORE

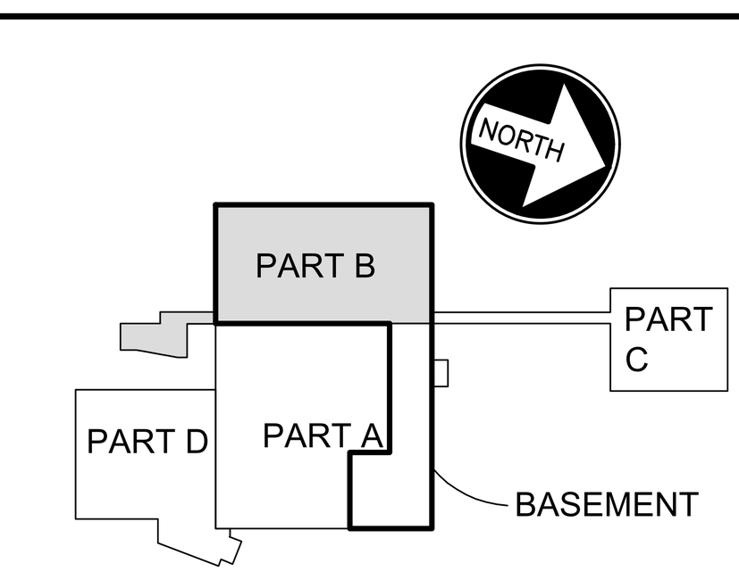
19 A-801 NORTH ELEV. @ SCHOOL STORE
SCALE: 3/8" = 1' - 0"

20 A-801 EAST ELEV. @ SCHOOL STORE
SCALE: 3/8" = 1' - 0"

21 A-801 NORTH ELEV. @ STORAGE L-210
SCALE: 3/8" = 1' - 0"

22 A-801 SOUTH ELEV. @ L-210
SCALE: 3/8" = 1' - 0"

REVISIONS



KEY PLAN

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SEALS:

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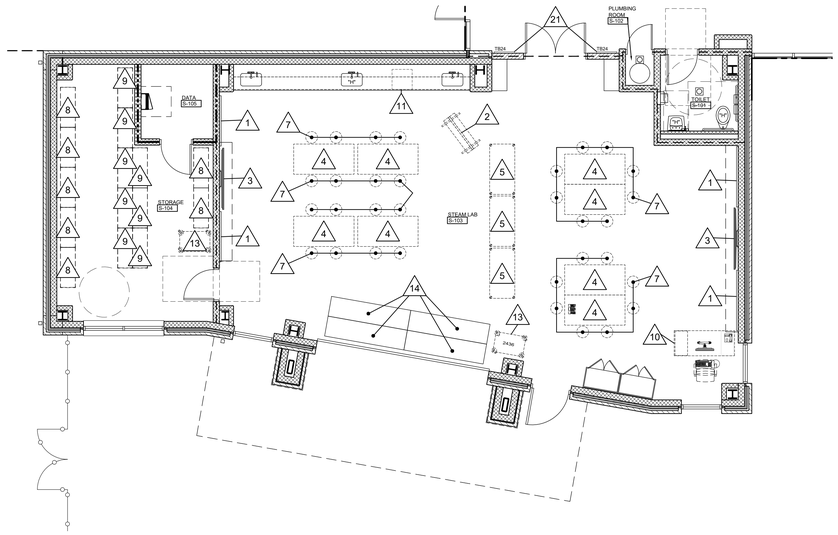
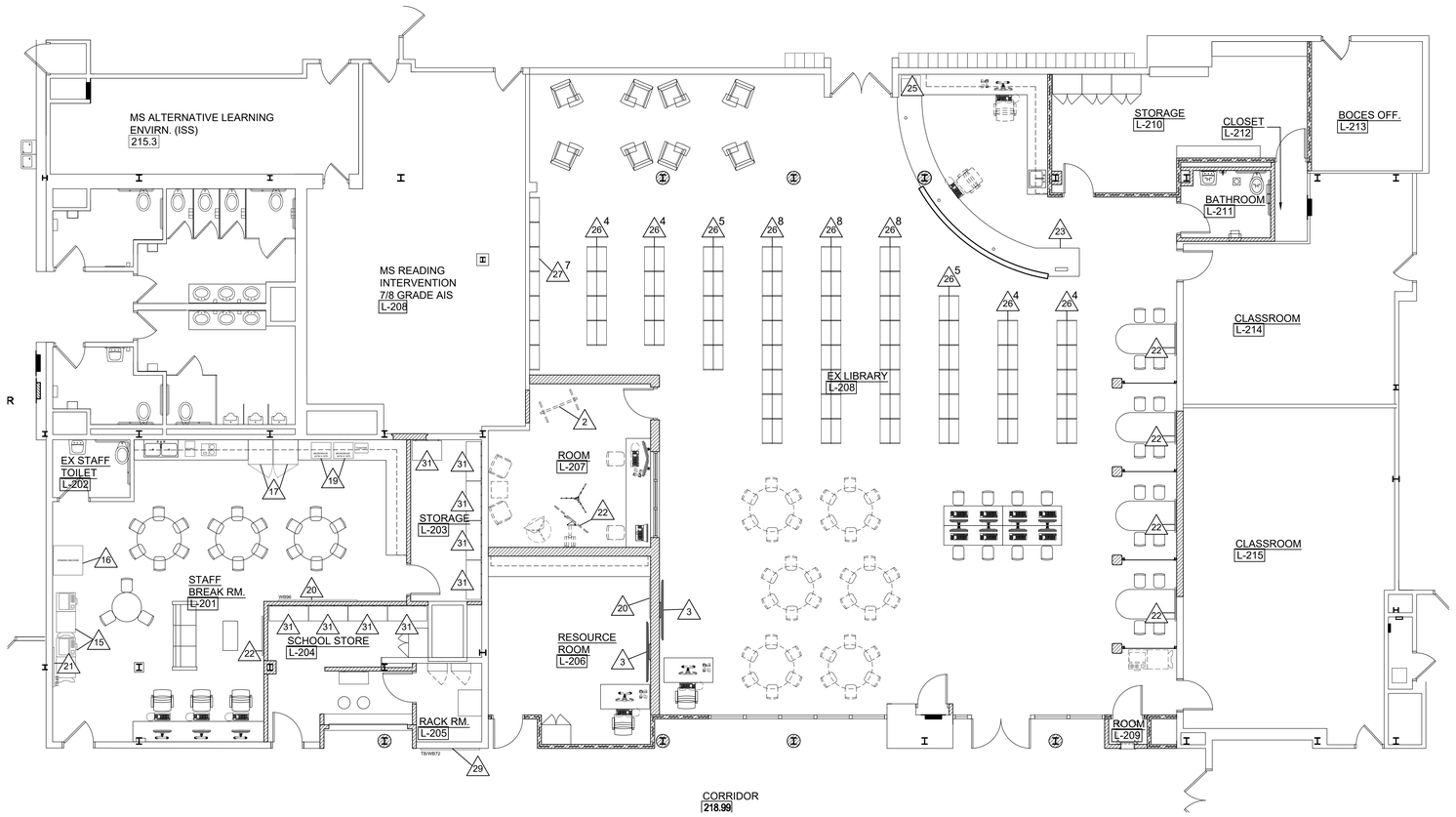
DRAWN BY: EV / DN	PROJECT NO.: 2025-151P
CHECKED BY: DM	DRAWING NO.: A-801
DATE: 02-09-2026	

CAD FILE: 5151-A-800.DWG
PLOT DATE: 2/6/2026





1
A-802
EQUIPMENT PLAN - STEAM LAB
SCALE: 3/16"=1'-0"

1
A-802
EQUIPMENT PLAN - LIBRARY / STAFF BREAK ROOM
SCALE: 3/16"=1'-0"

EQUIPMENT & FIXTURES SCHEDULE NOTES:

1. LOCATIONS AND SIZES OF VISUAL DISPLAY BOARDS (WHITEBOARDS AND TACKBOARDS) ARE TAGGED AT THE FF&E PLAN(S) ON THIS SHEET. REFERENCE INTERIOR ELEVATIONS FOR SIZE AND PLACEMENT. PLEASE NOTE - FOR THOSE SPACES WHICH DO NOT HAVE ELEVATIONS, THE SIZES OF THE BOARDS ARE DENOTED IN THE FLOOR PLAN.
2. ALL BUILT-IN WORKSTATIONS AND INSTRUCTORS WORKSTATIONS SHALL RECEIVE TELEPHONE AND DESKTOP PC WORKSTATIONS
3. COORDINATE WITH THE DISTRICT FOR SPECIFICATIONS, CUT SHEETS AND INSTALLATION INSTRUCTIONS FOR AUDIO/VIDEO ITEMS WHICH ARE DESIGNATED TO BE PROVIDED "BY OWNER" AND INSTALLED BY THE CONTRACTOR.
4. REFERENCE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR DEVICES REQUIRING GROUND FAULT PROTECTION, SPECIALTY CONNECTIONS AND LOCATIONS FOR ALL FIRE ALARM, AND SPECIAL SYSTEMS DEVICES.
5. REFERENCE SECURITY AND ELECTRICAL DRAWINGS, AS WELL AS SPECIFICATIONS FOR CARD READER AND CAMERA LOCATIONS AND OTHER SECURITY SYSTEM DEVICES AND INFORMATION.
6. REFERENCE PLUMBING DRAWINGS AND SPECIFICATIONS FOR ASSOCIATED PRODUCT AND INSTALLATION INFORMATION.
7. FINAL HOOK-UP OF ALL OWNER PROVIDED EQUIPMENT AND APPLIANCES REQUIRING MECHANICAL, PLUMBING OR HARDWIRED ELECTRICAL SERVICES SHALL BE BY THE CONTRACTOR.
8. REFERENCE ARCHITECTURAL FLOOR PLANS FOR LOCATIONS OF THE FOLLOWING:
    - FIRE EXTINGUISHERS
    - TACKBOARD/WHITEBOARDS (ALSO SEE NOTE #1 ABOVE)
    - TOILET ROOM ACCESSORIES
9. ENLARGED TOILET ROOM PLANS DO NOT COVER ALL PLUMBING ACCESSORY LOCATIONS. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL FIXTURE LOCATIONS:
    - ALL SINKS WITHIN STEAM LAB, STAFF BREAK AREAS, KITCHEN AREAS, NURSES SUITE ETC. SHALL RECEIVE PAPER TOWEL AND SOAP DISPENSERS ACCORDING TO THE ACCESSORY SCHEDULE UNLESS OTHERWISE NOTED.

GENERAL EQUIPMENT & FIXTURES SCHEDULE

NO.	EQUIPMENT ITEM	MANUF.	MODEL #	OWNER PROVIDED	OWNER INSTALLED	CONTRACTOR PROVIDED	CONTRACTOR INSTALLED	REMARKS
1	MAGNETIC GLASS MARKER BOARD	-	-			●	●	SEE INTERIOR ELEVATIONS
2	MOBILE WHITE BOARD	EGAN	VSF4872ECCAEM			●	●	48"W x 72"H DOUBLE SIDED MOBILE WHITE BOARD / TACK BOARD
3	PROMETHEAN BOARD & MOUNTING BRACKET	PROMETHEAN	-					COORD. w/ OWNER FOR MODEL# AND MOUNTING HEIGHTS PROVIDE IN WALL BLOCKING AS REQ'D.
4	WOOD TOP STEAM STUDENT TABLE	-	-			●	●	
5	STAINLESS STEEL TOP STUDENT WORK TABLE	-	-			●	●	
6	HOLD							
7	STUDENT STOOL	-	-			●	●	
8	WIRE STORAGE RACKS	-	-			●	●	
9	PROJECT STORAGE CABINETS	-	-			●	●	
10	TEACHER WORKSTATION	SMITH SYSTEM	CASCADE			●	●	
11	DISHWASHER	LG	ADFD5448AT			●	●	ADA-COMPLIANT
12	HOLD							
13	PARTS CART	-	-			●	●	
14	GROW TABLE	-	-			●	●	
15	FACULTY COPIER	EXISTING	-	●	●			
16	VENDING MACHINE	EXISTING	-	●	●			
17	REFRIGERATOR	EXISTING	-	●	●			
18	HOLD							
19	COUNTERTOP MICROWAVE	LG	MSER2090S	●			●	
20	FRAMED MAGNETIC WHITEBOARDS	CALYX by CLARIDGE	CONCEPT			●	●	REFERENCE INTERIOR ELEV. FOR SIZES & COORD. w/ OWNER FOR MOUNTING HEIGHTS / PROVIDE IN WALL BLOCKING AS REQ'D. FINISH: LCS PORCELAIN ENAMEL STEEL / #100 "WHITE"
21	FRAMED TACKBOARDS	CALYX by CLARIDGE	CONCEPT			●	●	REFERENCE INTERIOR ELEVATIONS FOR SIZES & COORD. w/ OWNER FOR MOUNTING HEIGHTS / PROVIDE IN WALL BLOCKING AS REQ'D. FINISH = SEE FINISH LEGEND
22	??? " MONITOR AND MOUNTING BRACKET	TBD	TBD					
23	UNDER COUNTER CART	KINGSLEY	K-UC44 44			●	●	
24	HOLD							
25	LIBRARIAN PRINTER	EXISTING	-	●	●			
26	LOW LIBRARY SHELVING	WB MANUFACTURING	LRD1150-364823-AC	●	●			INCLUDE DOCKING MAGNETS
27	TALL LIBRARY SHELVING	WB MANUFACTURING	LRS1230-308412-AL	●	●			
28	AISLE LADDER	ULINE	H-5072A-20	●	●			4-STEP / NARROW / 16"W STEPS W/ 20"W TOP STEP
29	FRAMED TACKBOARD / WHITEBOARD COMBO UNIT	CALYX by CLARIDGE	CONNECT X2			●	●	REFERENCE INTERIOR ELEVATIONS FOR SIZES & COORD. w/ OWNER FOR MOUNTING HEIGHTS / PROVIDE IN WALL BLOCKING AS REQ'D. / NO REVEAL FRAME TB FINISH = SEE FIN. LEGEND / WB FINISH = LCS PORCELAIN ENAMEL STEEL / #100 "WHITE"
30	HOLD							
31	HEAVY DUTY SHELF STANDARDS & BRACKETS	KNAPE & VOGT	82/182			●	●	REFERENCE INTERIOR ELEVATIONS FOR SHELVING SIZES - COLOR: BLACK PROVIDE IN WALL BLOCKING AS REQ'D.
32								
33								
34								
35								
36	HOLD							
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42	HOLD							
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66	HOLD							
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70								

REVISIONS

KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

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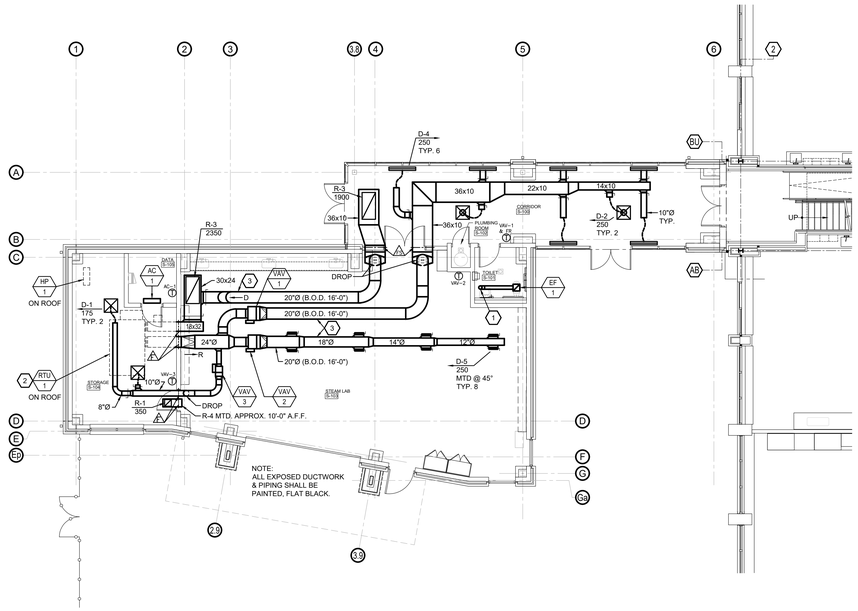
PROJECT TITLE:
Vestal
Central School District
201 Main Street | Vestal, NY 13850
◆
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
EQUIPMENT PLAN
EQUIPMENT SCHEDULE

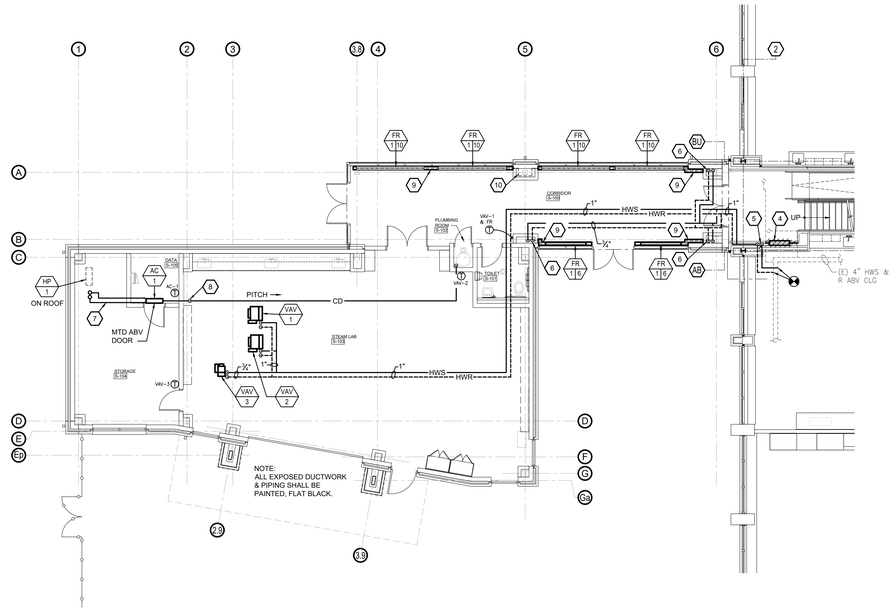
DRAWN BY: DN
PROJECT NO.: 2025-151P
CHECKED BY: DM
DRAWING NO.: A-802
DATE: 02-09-2026

CAD FILE: 5151-A-800.DWG
PLOT DATE: 2/6/2026



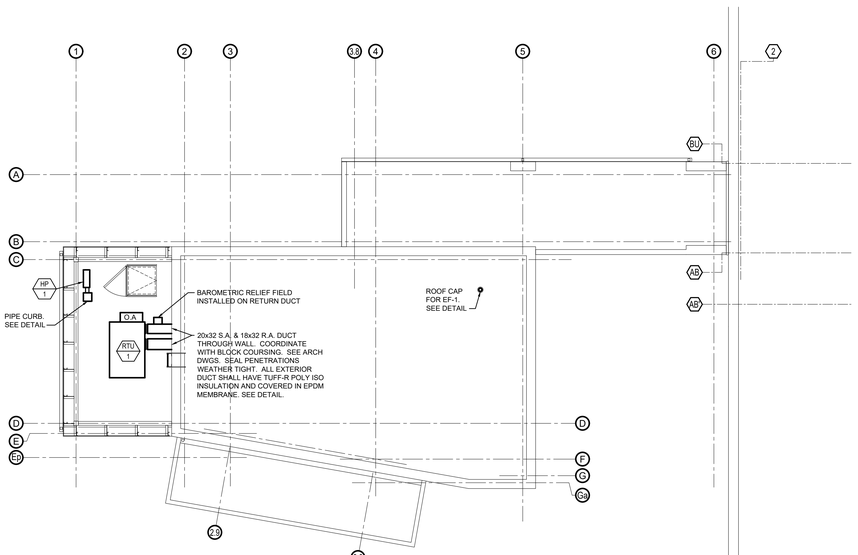
FIRST FLOOR - STEAM ADDITION - HVAC DUCTWORK PLAN

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



FIRST FLOOR - STEAM ADDITION - HVAC PIPING PLAN

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



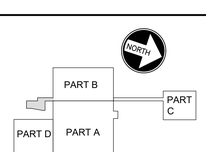
ROOF - STEAM ADDITION - HVAC PLAN

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

HVAC RENOVATION KEYNOTES:

1. 6"Ø FROM FAN UP TO ROOF CAP ON ROOF.
2. RTU-1 ON LOW ROOF ABOVE STORAGE. MAINTAIN RECOMMENDED SERVICE CLEARANCES PER MANUFACTURER. PROVIDE HORIZONTAL DUCT DISCHARGE FROM UNIT THROUGH EXTERIOR WALL INTO STEAM LAB AS HIGH AS POSSIBLE. SEAL WALL PENETRATIONS WEATHER TIGHT.
3. ALL DUCTWORK EXPOSED IN SPACE SHALL BE DOUBLE WALL WITH INTERNAL INSULATION. SEE SPECS.
4. REMOVE EXISTING CABINET HEATER. REMOVE (E) HWS & R PIPING TO POINT OF CONCEALMENT AND CAP.
5. NEW HWS & R DOWN IN WALL TO ABOVE STAIR CEILING. RUN ABOVE NEW CORRIDOR CEILING.
6. ¾" HWS & R DOWN IN WALL TO FIN RAD.
7. REFRIGERANT PIPING FROM AC-1 UP TO HEAT PUMP ON ROOF.
8. ¾" PUMPED CONDENSATE FROM AC-1 UP TO JOIST SPACE. RUN AT JOIST SPACE TO PLUMBING ROOM. PITCH ¼" PER FOOT TOWARD DRAIN. TERMINATE AT FLOOR DRAIN IN PLUMBING ROOM.
9. CONTINUOUS PIPE ENCLOSURE TO MATCH FIN RAD.
10. PIPING RUN IN COLUMN ENCLOSURE.

REVISIONS



KEY PLAN

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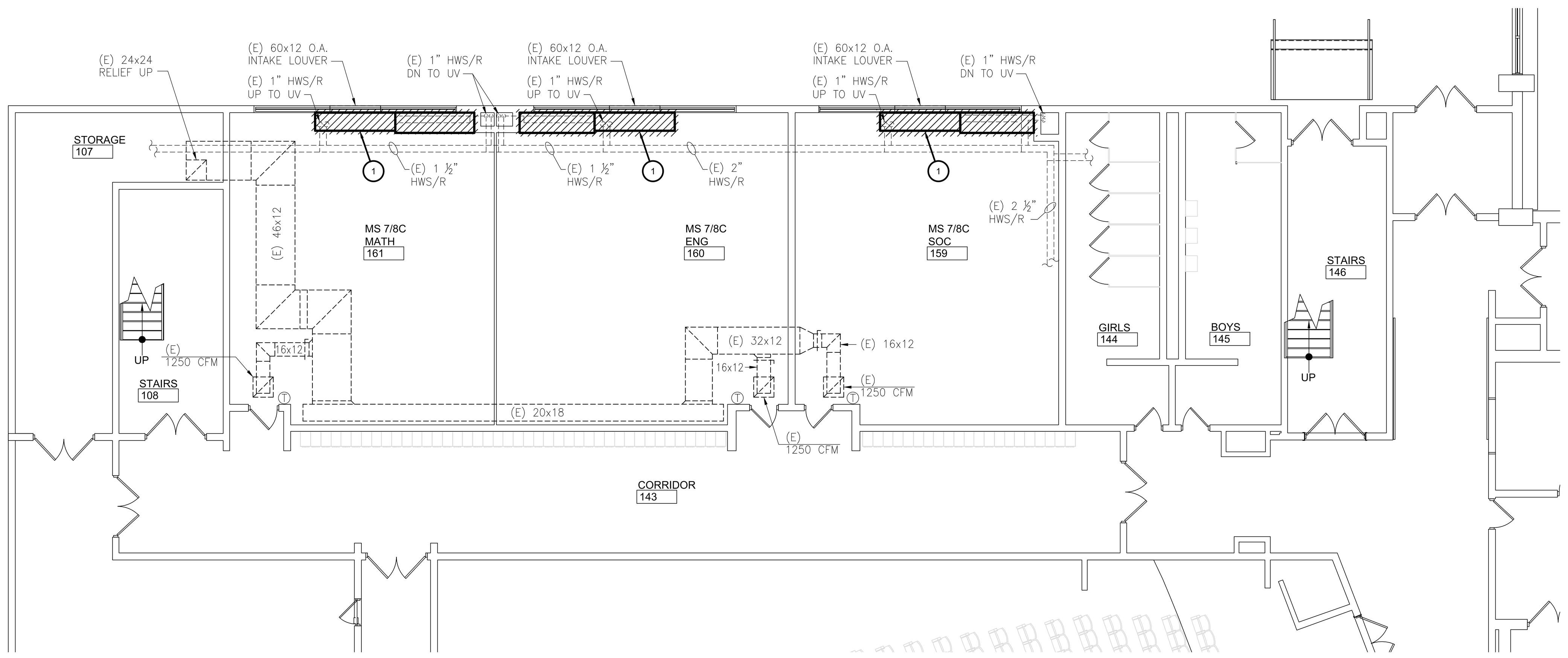
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
STEAM ADDITION
HVAC PLAN

DRAWN BY:	PROJECT NO.:
JAH	2025-151P
CHECKED BY:	DRAWING NO.:
AJL	M-100
DATE:	
02-09-2026	

CAD FILE: 151M100.DWG
PLOT DATE: 1/30/2026

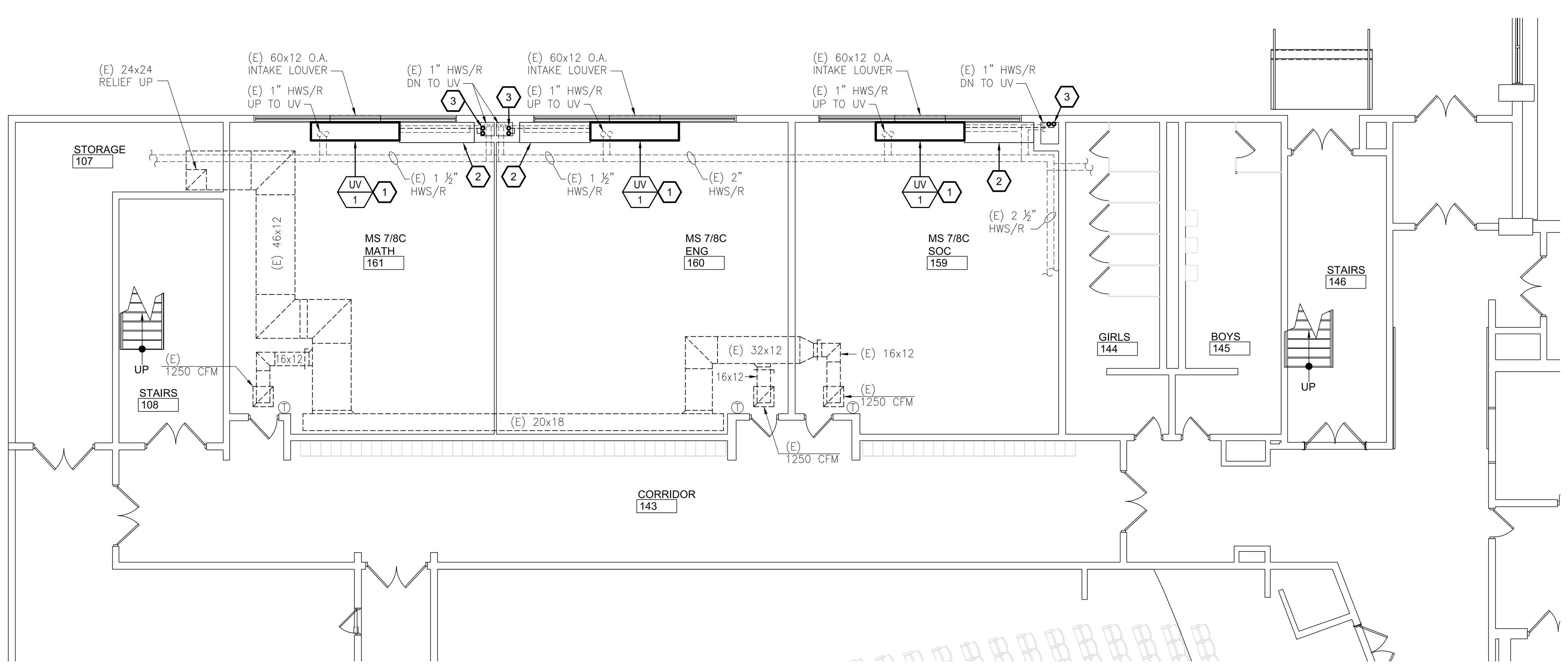


FIRST FLOOR - PART D - HVAC DEMOLITION PLAN

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

HVAC DEMOLITION KEYNOTES:

1. REMOVE EXISTING UNIT VENTILATOR AND RELATED SHELVING. DISCONNECT AND REMOVE PORTIONS OF EXISTING HWS & R PIPING FOR INSTALLATION OF NEW UV. EXISTING LOUVER AND WALL SLEEVE TO REMAIN.



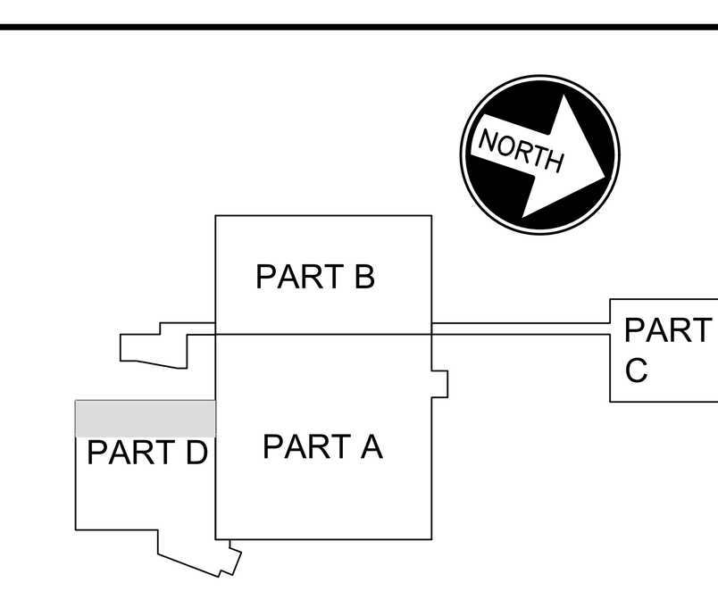
FIRST FLOOR - PART D - HVAC RENOVATION PLAN

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

HVAC RENOVATION KEYNOTES:

1. PROVIDE NEW UNIT VENTILATOR. CONNECT TO EXISTING WALL SLEEVE AND INTAKE LOUVER. CONNECT TO EXISTING HWS & R. PROVIDE NEW CHWS & R. TIE INTO EXISTING BMS.
2. PROVIDE NEW OPEN METAL SHELVING BY UNIT VENTILATOR MANUFACTURER. CABINET SHALL HAVE INTEGRAL PIPE TUNNEL. MAXIMIZE LENGTH OF SHELVING. PROVIDE FILLER AND END PIECES. FIELD VERIFY LENGTH.
3. 1 ¼" CHWS & R FROM ABOVE TO UNIT VENTILATOR.

REVISIONS



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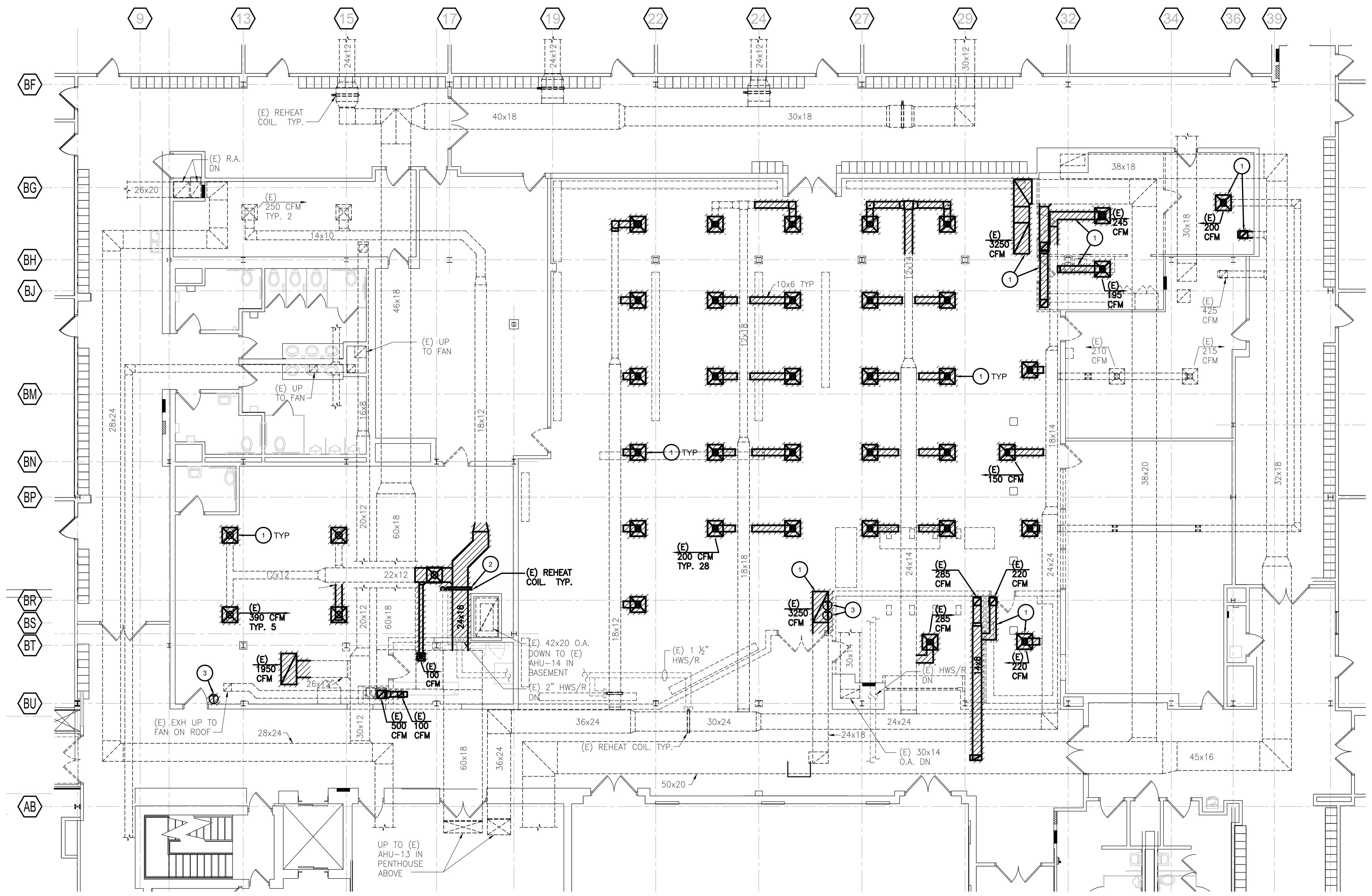
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE: FIRST FLOOR PART D HVAC PLANS	
DRAWN BY: JAH	PROJECT NO.: 2025-151P
CHECKED BY: AJL	DRAWING NO.: M-101
DATE: 02-09-2026	



SECOND FLOOR - PART B - HVAC DEMOLITION PLAN

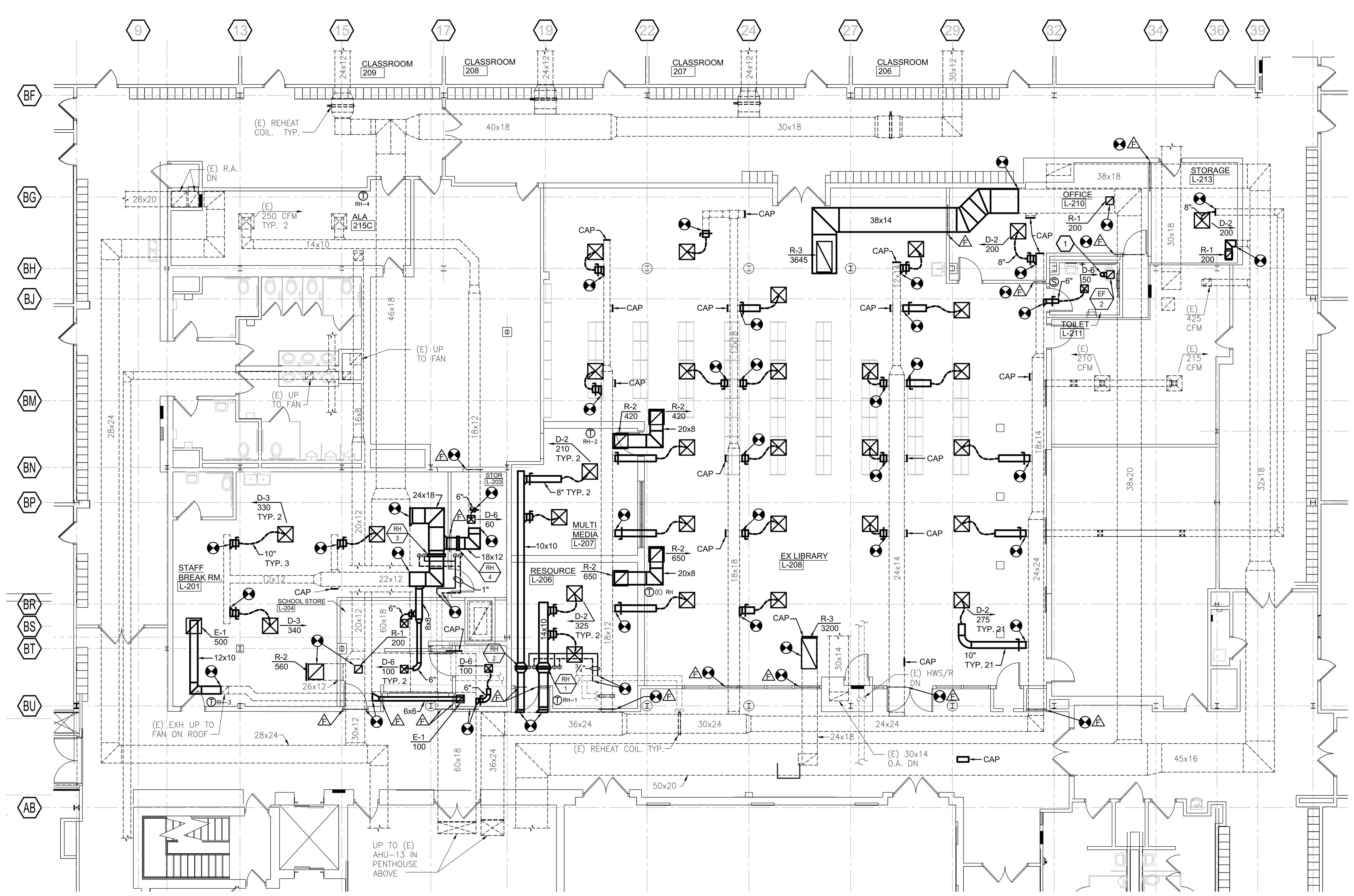
SCALE: 1/8"=1'-0"

HVAC DEMOLITION KEYNOTES:

1. REMOVE EXISTING DIFFUSER / GRILLE AND PORTION OF DUCT AS INDICATED. CAP ALL UNUSED TAKEOFFS.
2. REMOVE EXISTING REHEAT COIL AND PORTION OF DUCT AS INDICATED. DISCONNECT HWS & R.
3. REMOVE EXISTING THERMOSTAT.

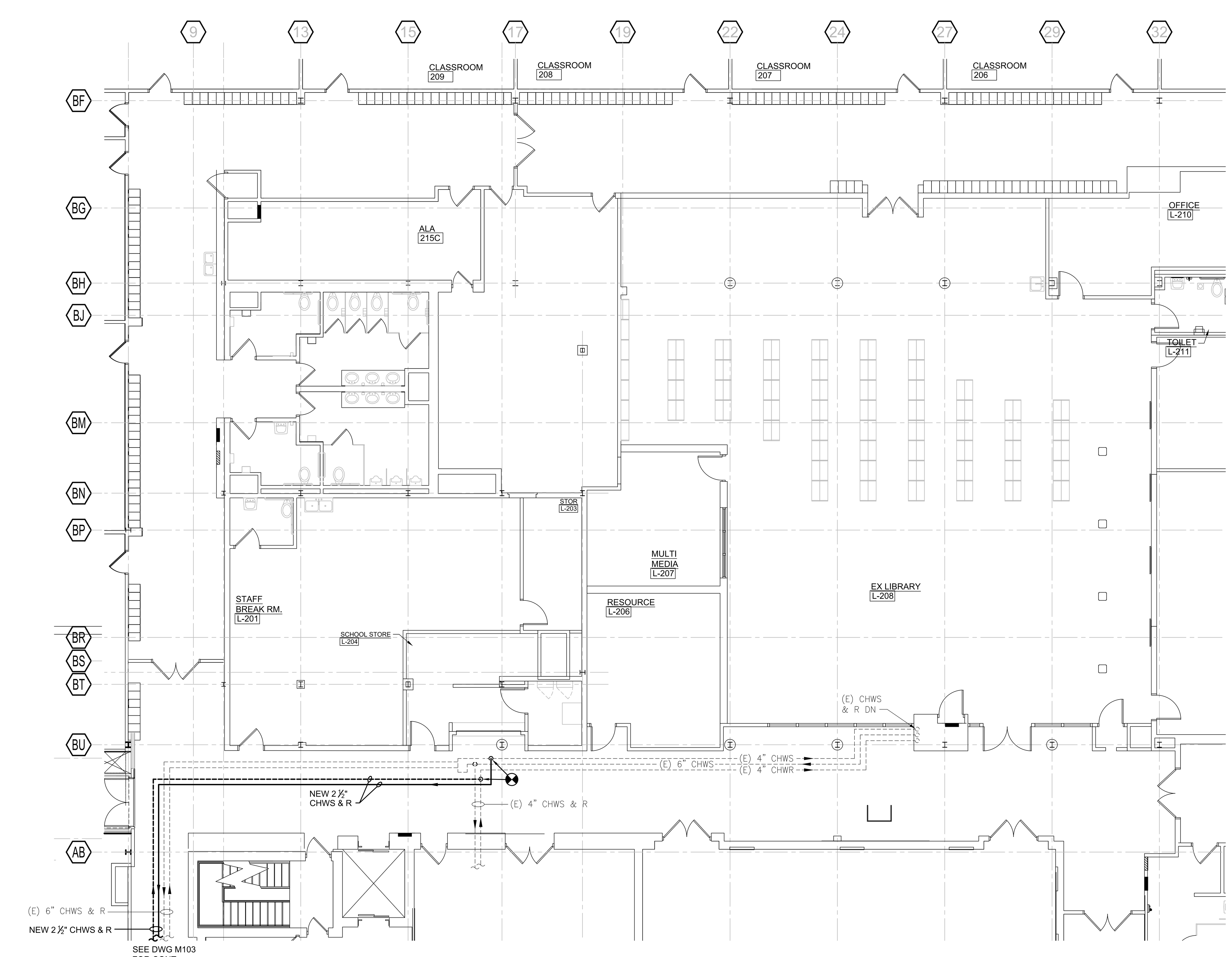
HVAC RENOVATION KEYNOTES:

1. 6"Ø FROM FAN UP TO ROOF CAP ON ROOF.



SECOND FLOOR - PART B - HVAC RENOVATION PLAN

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

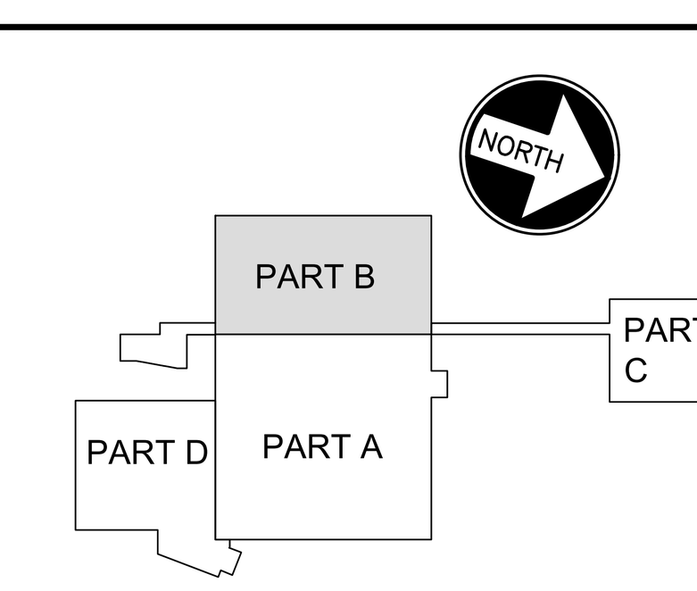


SEE DWG M103 FOR CONT

SECOND FLOOR - PART B - HVAC RENOVATION PLAN - CHILLED WATER

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

REVISIONS



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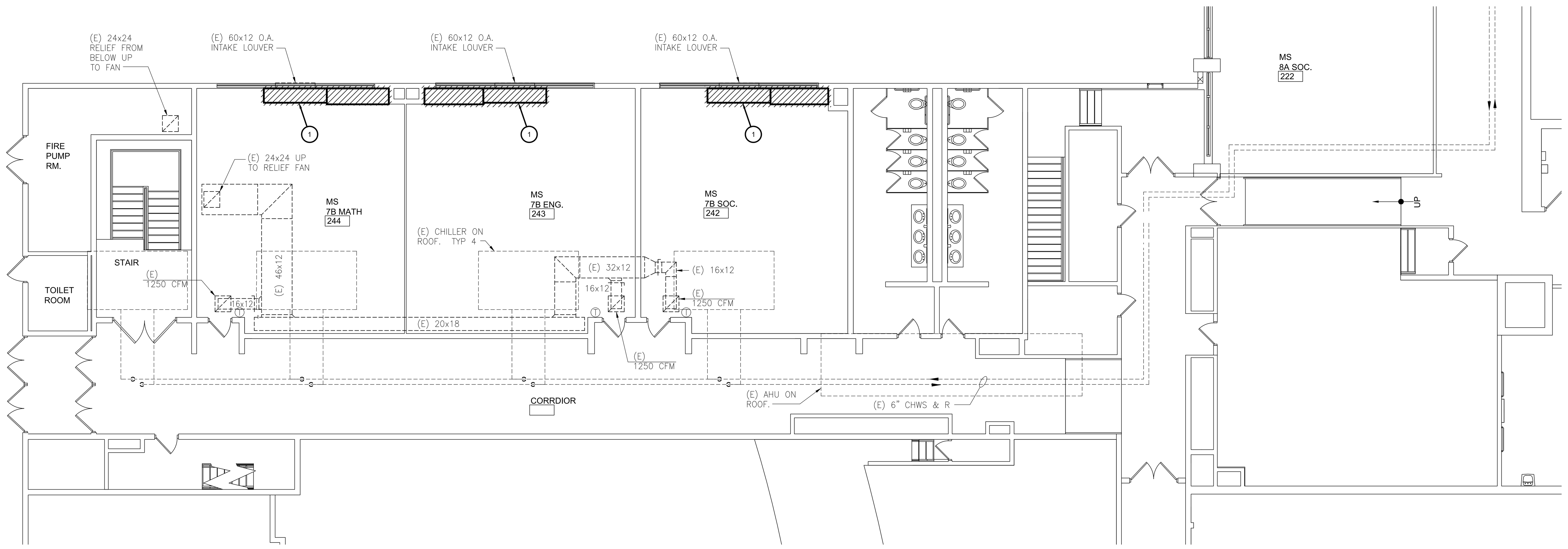
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
SECOND FLOOR
PART B - LIBRARY
HVAC PLANS

DRAWN BY:	PROJECT NO.:
JAH	2025-151P
CHECKED BY: AJL	DRAWING NO.: M-102
DATE: 02-09-2026	

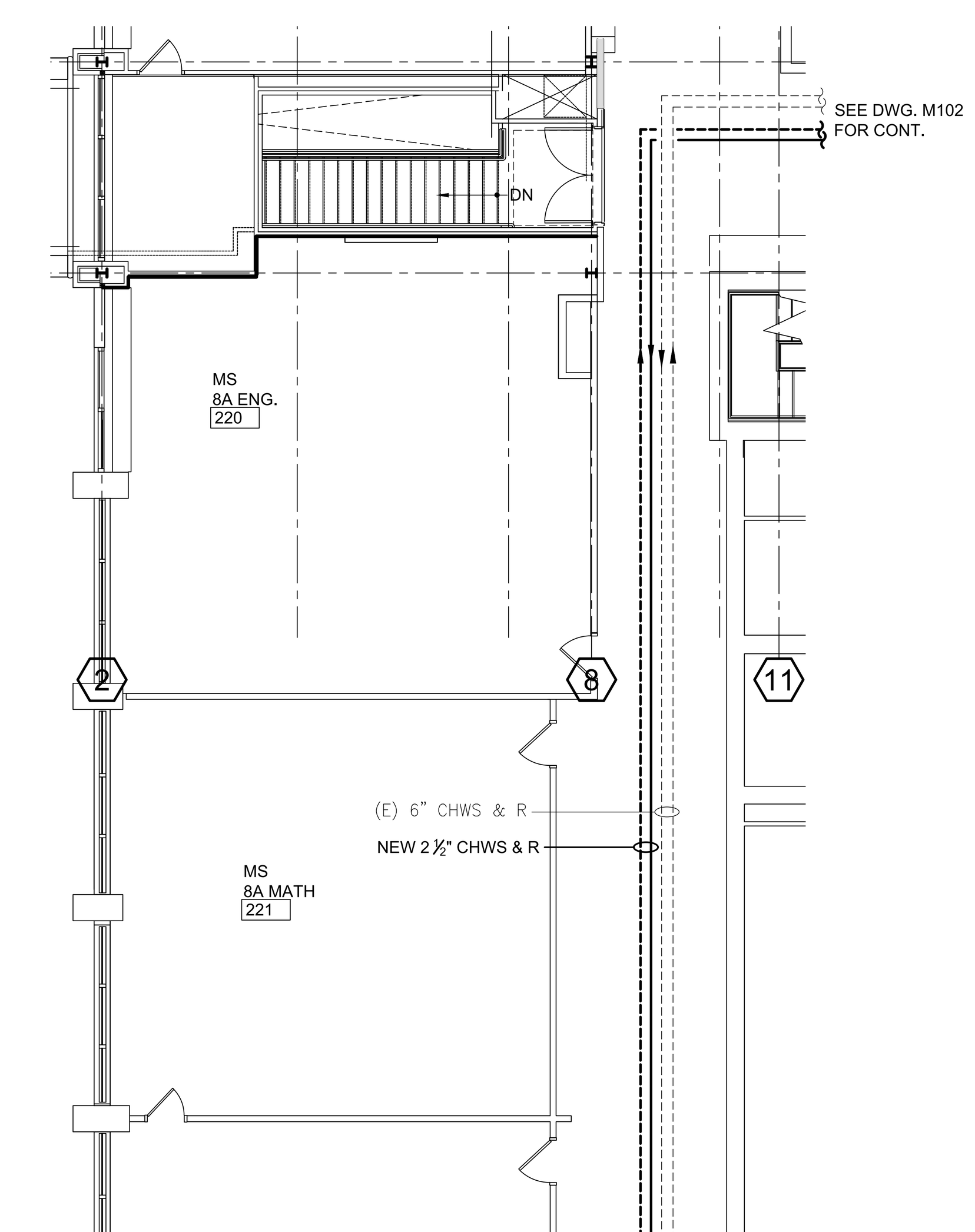


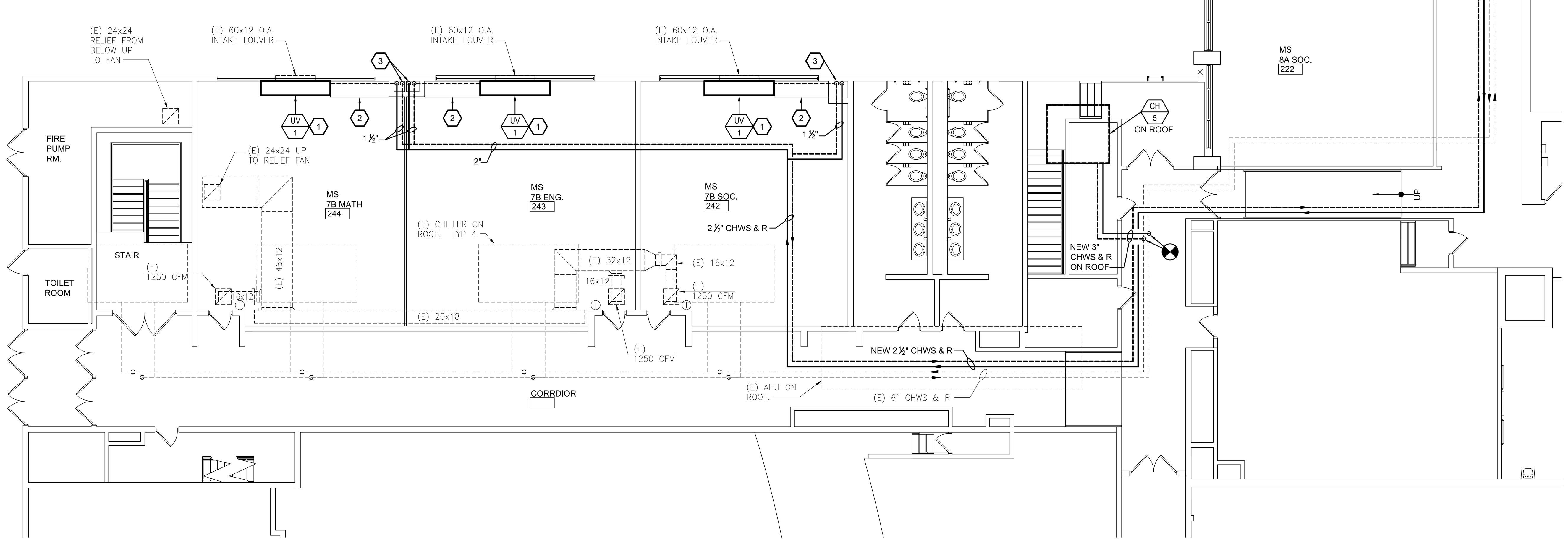
SECOND FLOOR - PART D - HVAC DEMOLITION PLAN

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

HVAC DEMOLITION KEYNOTES:

1. REMOVE EXISTING UNIT VENTILATOR AND RELATED SHELVING. DISCONNECT AND REMOVE PORTIONS OF EXISTING HWS & R PIPING FOR INSTALLATION OF NEW UV. EXISTING LOUVER AND WALL SLEEVE TO REMAIN.





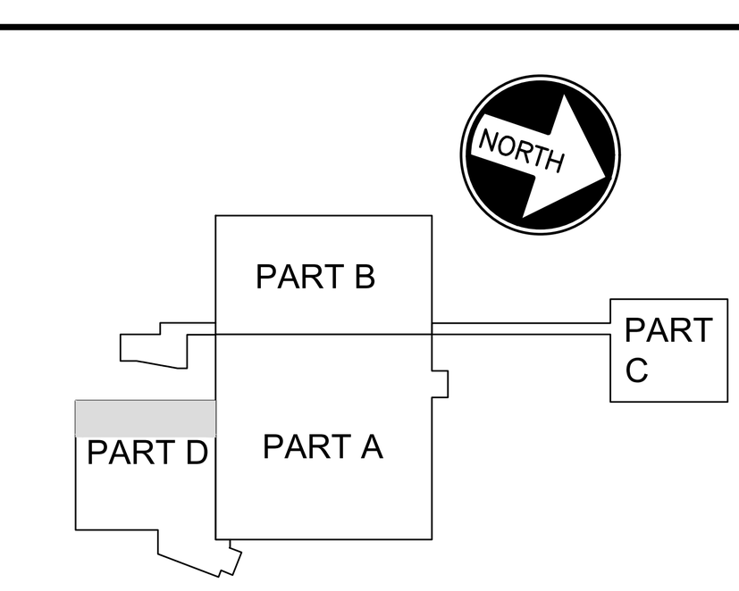
SECOND FLOOR - PART D - HVAC RENOVATION PLAN

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

HVAC RENOVATION KEYNOTES:

1. PROVIDE NEW UNIT VENTILATOR. CONNECT TO EXISTING WALL SLEEVE AND INTAKE LOUVER. CONNECT TO EXISTING HWS & R. PROVIDE NEW CHWS & R. TIE INTO EXISTING BMS.
2. PROVIDE NEW OPEN METAL SHELVING BY UNIT VENTILATOR MANUFACTURER. CABINET SHALL HAVE INTEGRAL PIPE TUNNEL. MAXIMIZE LENGTH OF SHELVING. PROVIDE FILLER AND END PIECES. FIELD VERIFY LENGTH.
3. 1 ½" CHWS & R DN IN EXISTING PIPE CHASE. 1 ¼" CHWS & R TO UNIT VENTILATOR AND 1 ¼" CHWS & R DN TO 1ST FLOOR UNIT VENTILATOR.

REVISIONS



KEY PLAN

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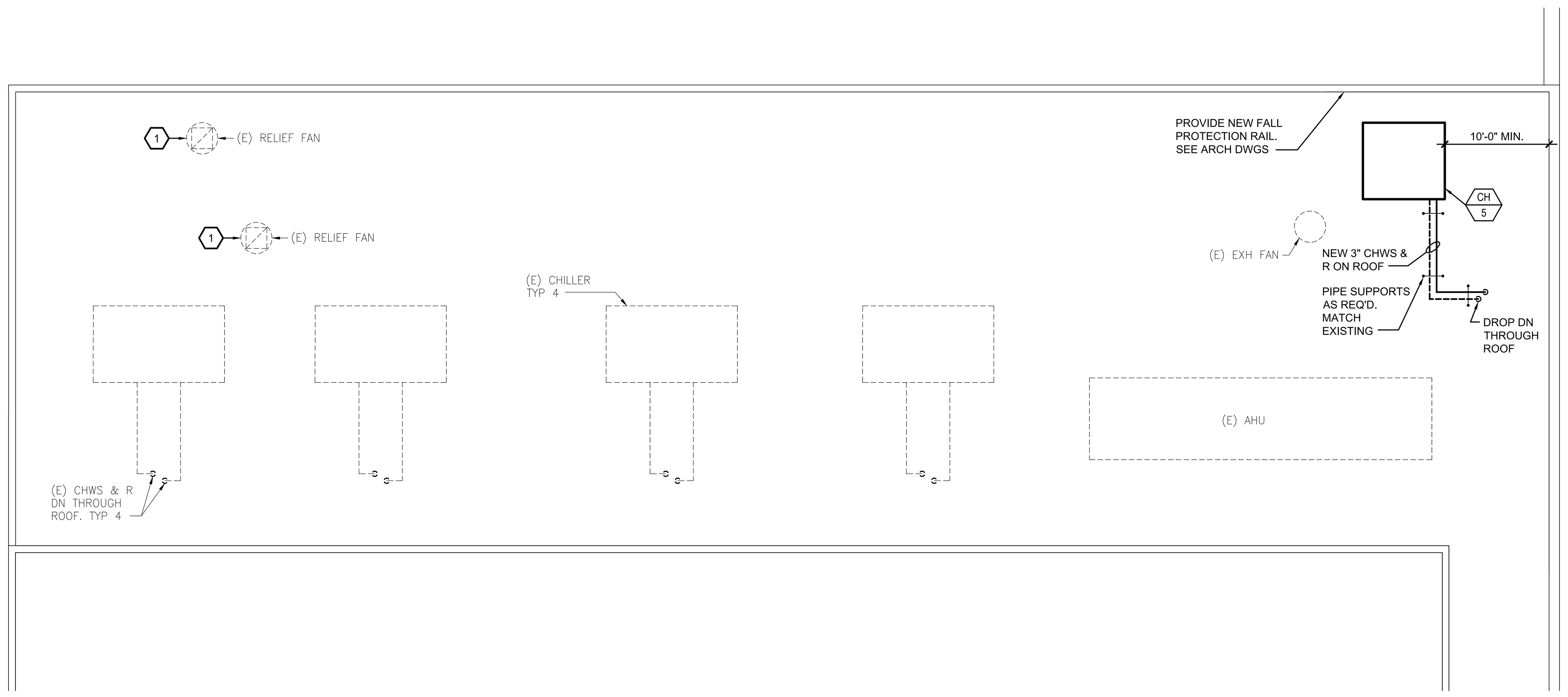
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
SECOND FLOOR
PART D
HVAC PLANS

DRAWN BY:	PROJECT NO.:
JAH	2025-151P
CHECKED BY: AJL	DRAWING NO.: M-103
DATE: 02-09-2026	

CAD FILE: 5151-M103.DWG
PLOT DATE: 1/30/2026



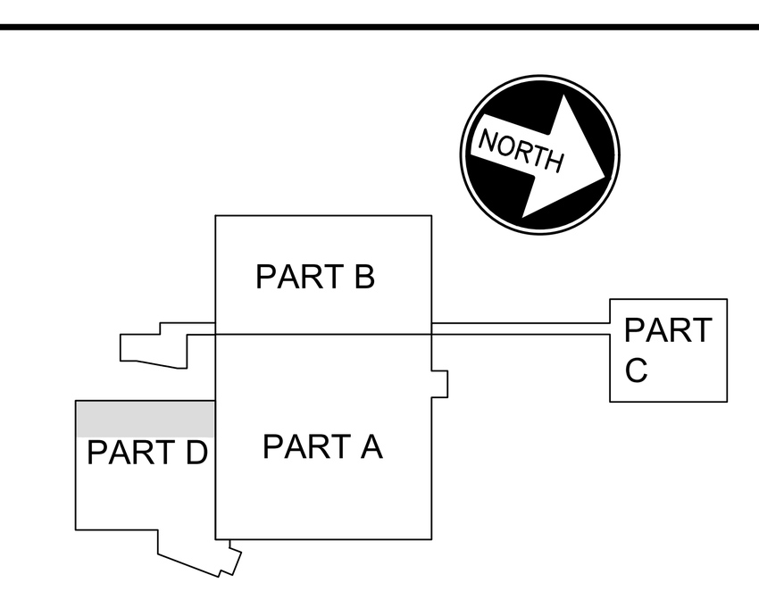
ROOF - PART D - HVAC RENOVATION PLAN

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

HVAC RENOVATION KEYNOTES:

1. BALANCE RELIEF FAN FOR TOTAL UNIT VENTILATOR ECONOMIZER OPERATION, 3750 CFM. FANS ARE ON VFDS. MAINTAIN EXISTING SEQUENCE OF OPERATIONS.

REVISIONS



KEY PLAN

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PROJECT TITLE:
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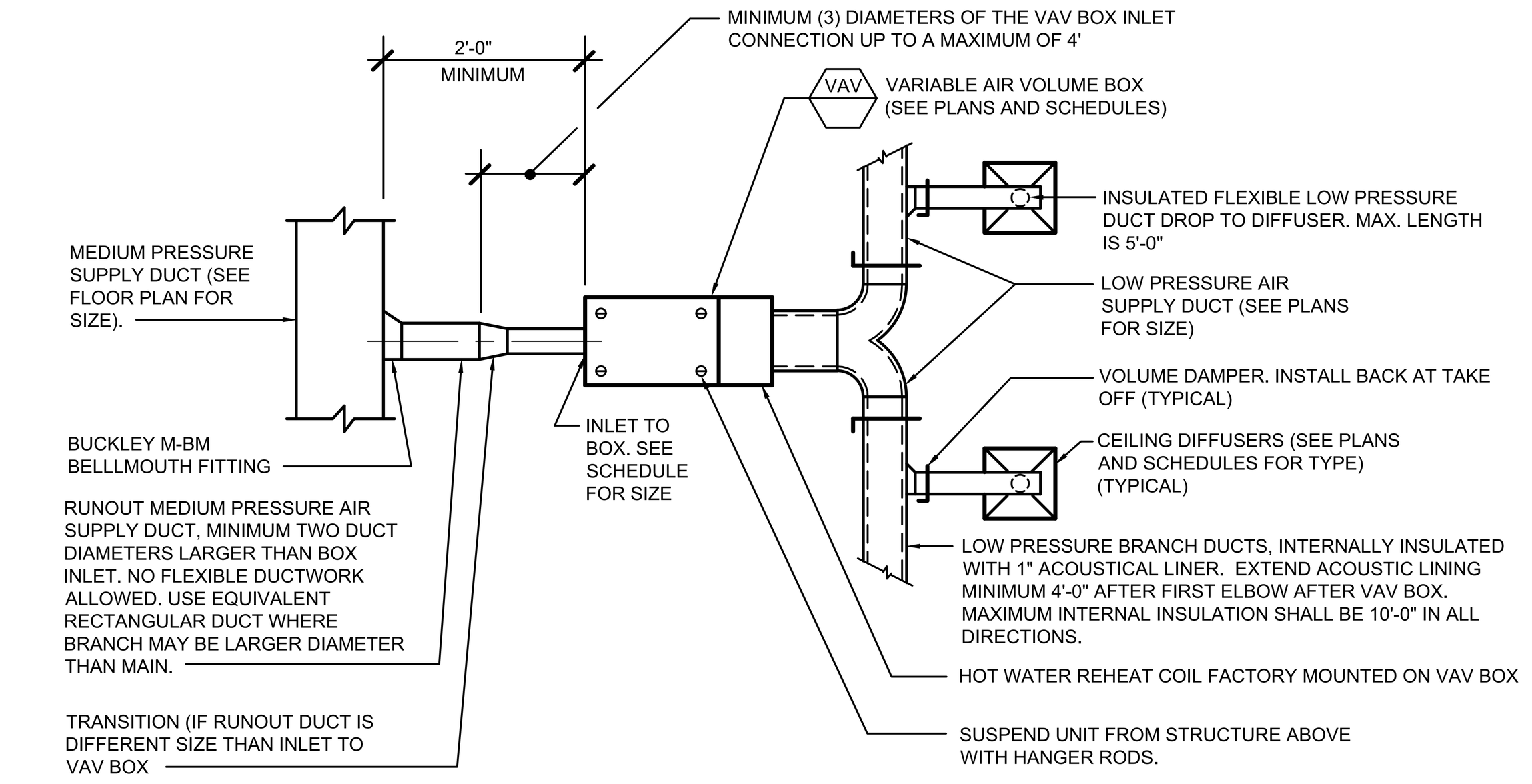
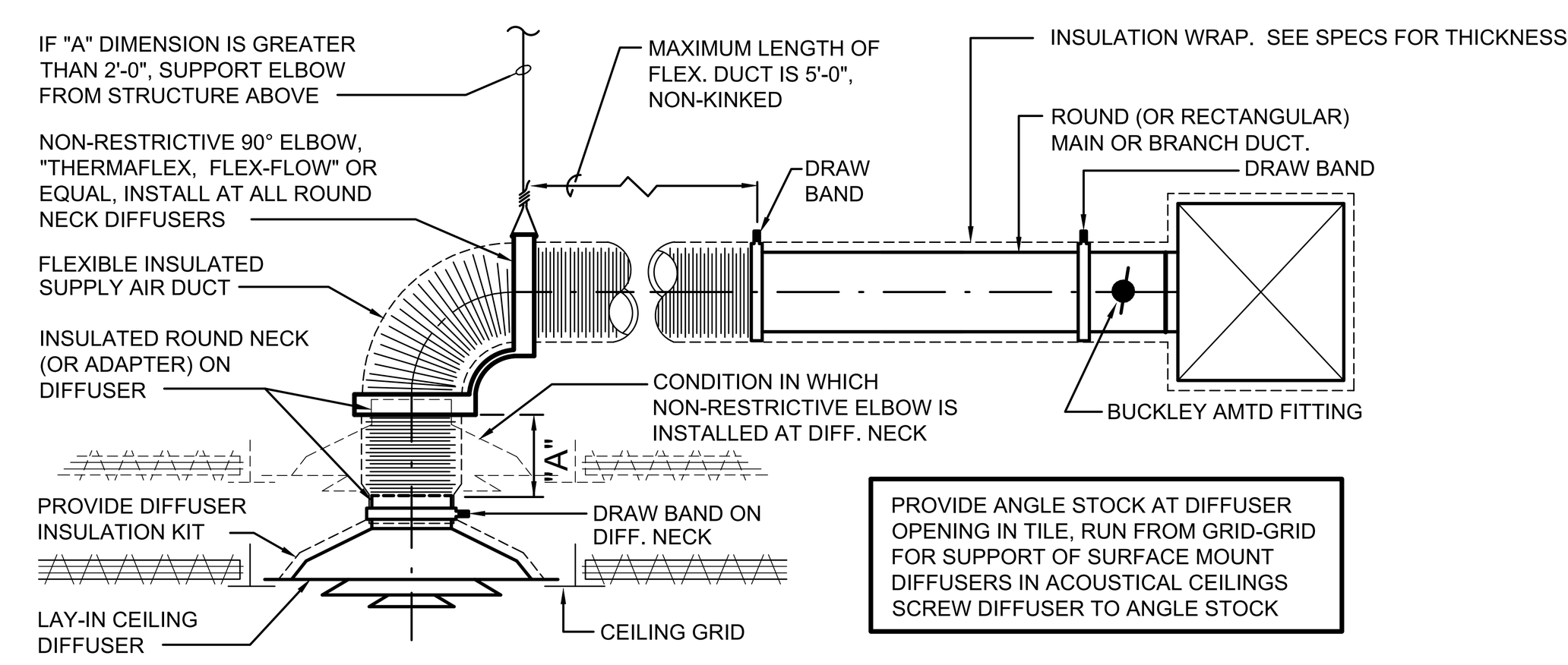
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
ROOF
PART D
HVAC PLAN

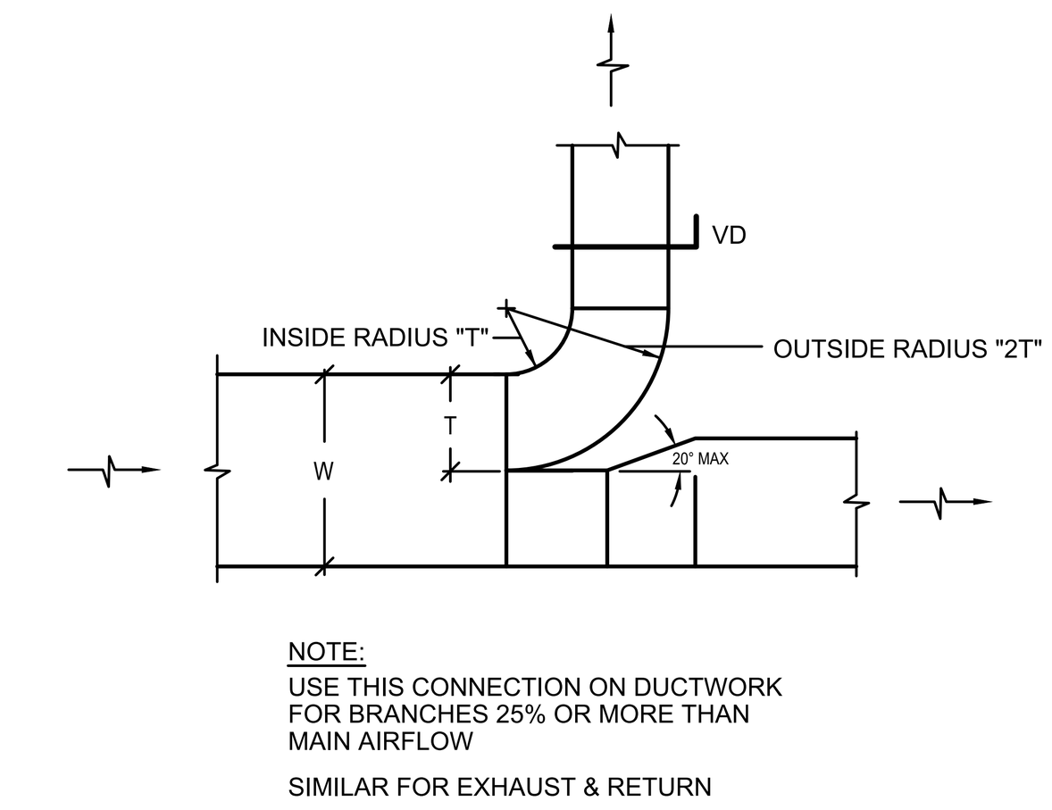
DRAWN BY:	PROJECT NO.:
JAH	2025-151P
CHECKED BY: AJL	DRAWING NO.: M-104
DATE: 02-09-2026	



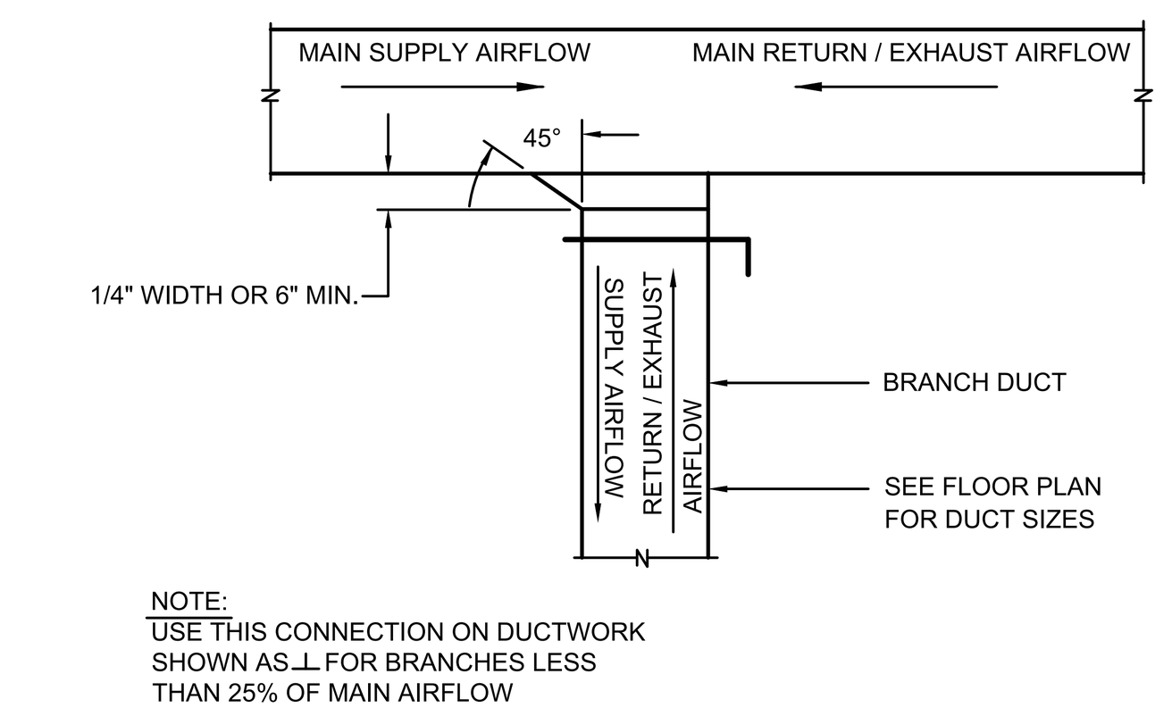
VARIABLE AIR VOLUME BOX DETAIL
NOT TO SCALE



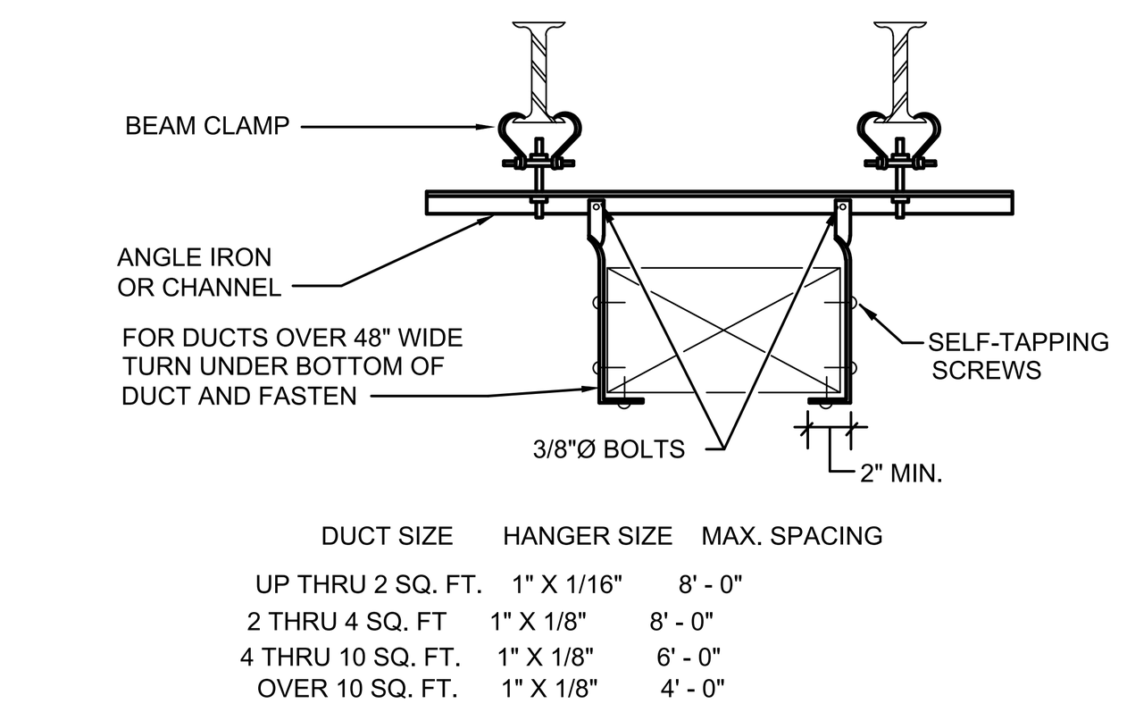
CEILING DIFFUSER / BRANCH DUCT DETAIL
NOT TO SCALE



BRANCH DUCT TAKEOFF DETAIL
NOT TO SCALE

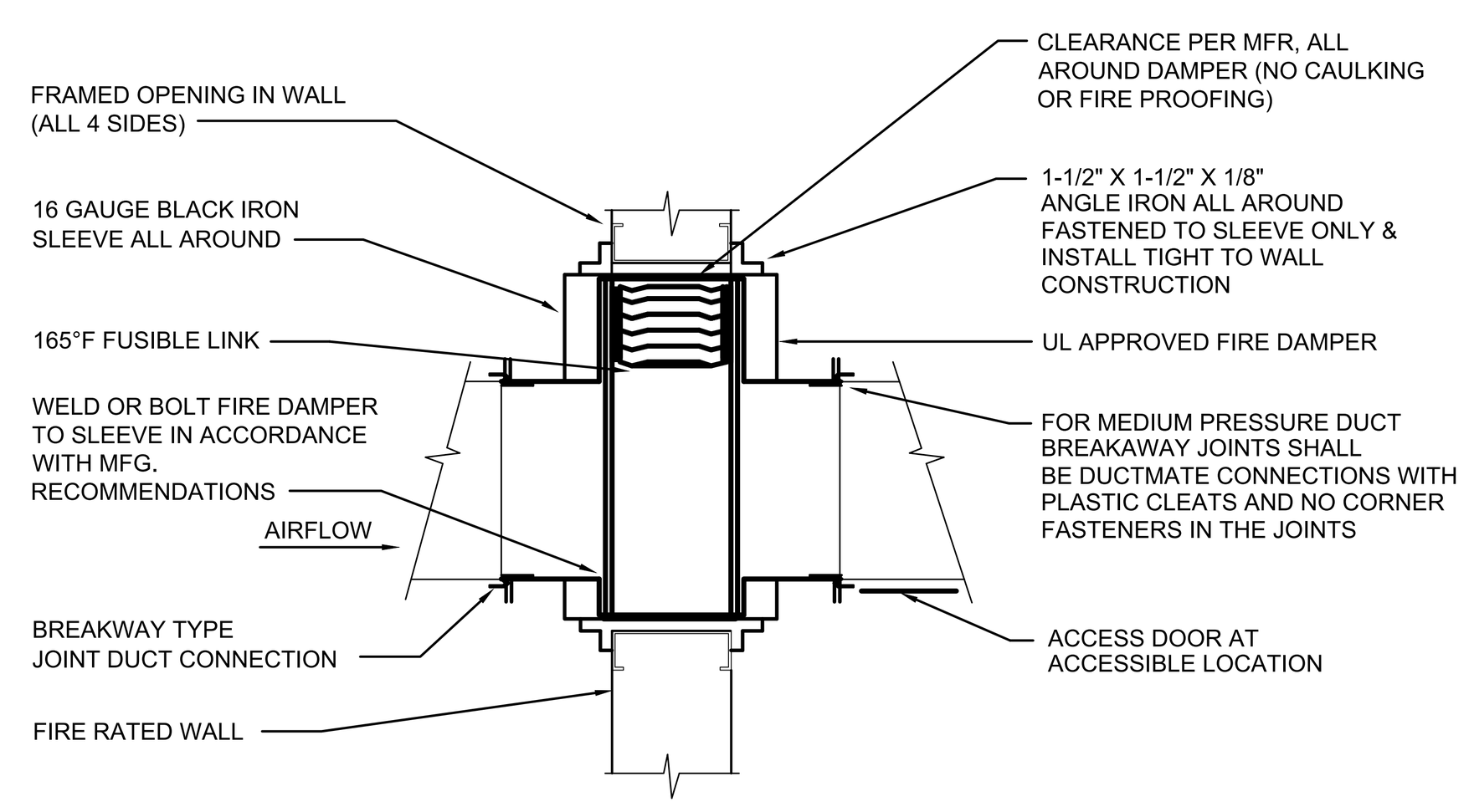


BRANCH DUCT TAKE OFF DETAIL
NOT TO SCALE

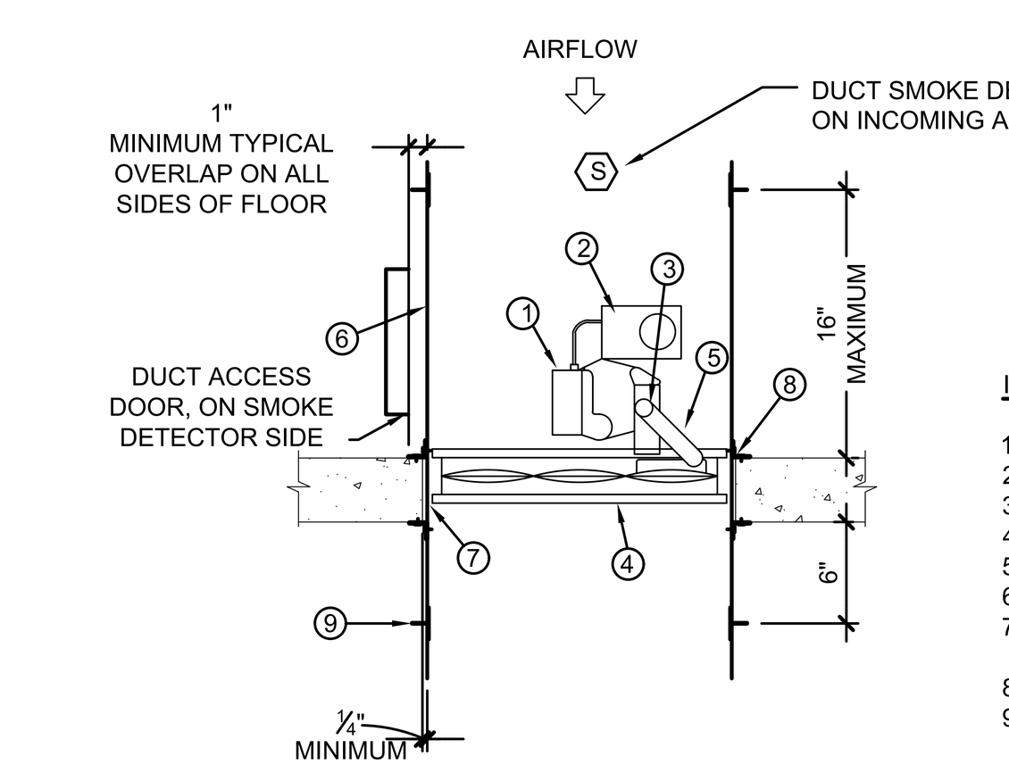


DUCT SIZE	HANGER SIZE	MAX. SPACING
UP THRU 2 SQ. FT.	1" X 1/16"	8' - 0"
2 THRU 4 SQ. FT	1" X 1/8"	8' - 0"
4 THRU 10 SQ. FT.	1" X 1/8"	6' - 0"
OVER 10 SQ. FT.	1" X 1/8"	4' - 0"

DUCT HANGING DETAIL AND SCHEDULE OF SUPPORTS
NOT TO SCALE

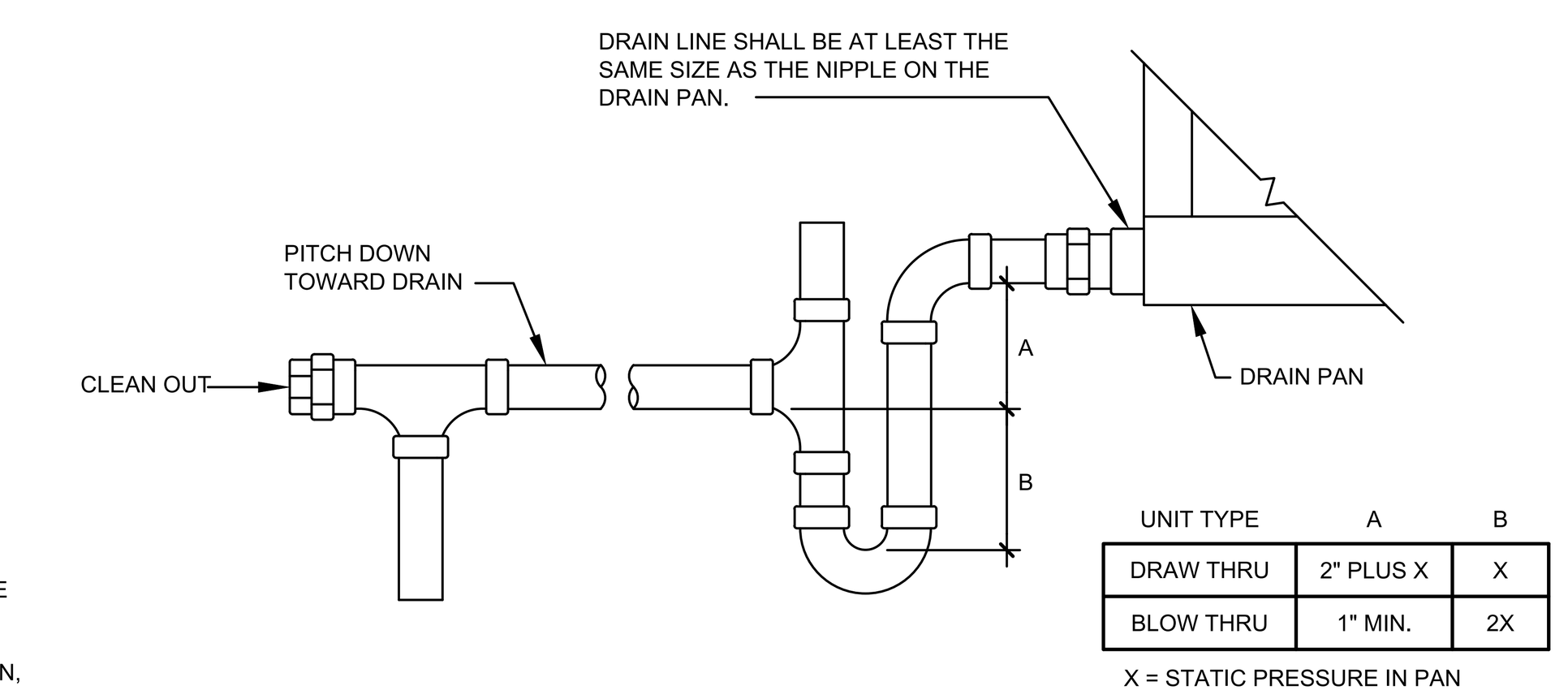


TYPE C FIRE DAMPER DETAIL
NOT TO SCALE



ITEM	DESCRIPTION
1.	ACTUATOR (LOCATION MY VARY)
2.	SWITCH POSITION INDICATOR
3.	AUXILIARY OPERATING JACKSHAFT
4.	UL APPROVED FIRE/SMOKE
5.	OVER-CENTER LINK
6.	SLEEVE
7.	CAULKING MATERIAL (MAY BE ON EITHER SIDE OF DAMPER FRAME
8.	MOUNTING ANGLES, ALONG AND BELOW
9.	BREAKAWAY TYPE DUCT/SLEEVE CONNECTION, SEE SPECS

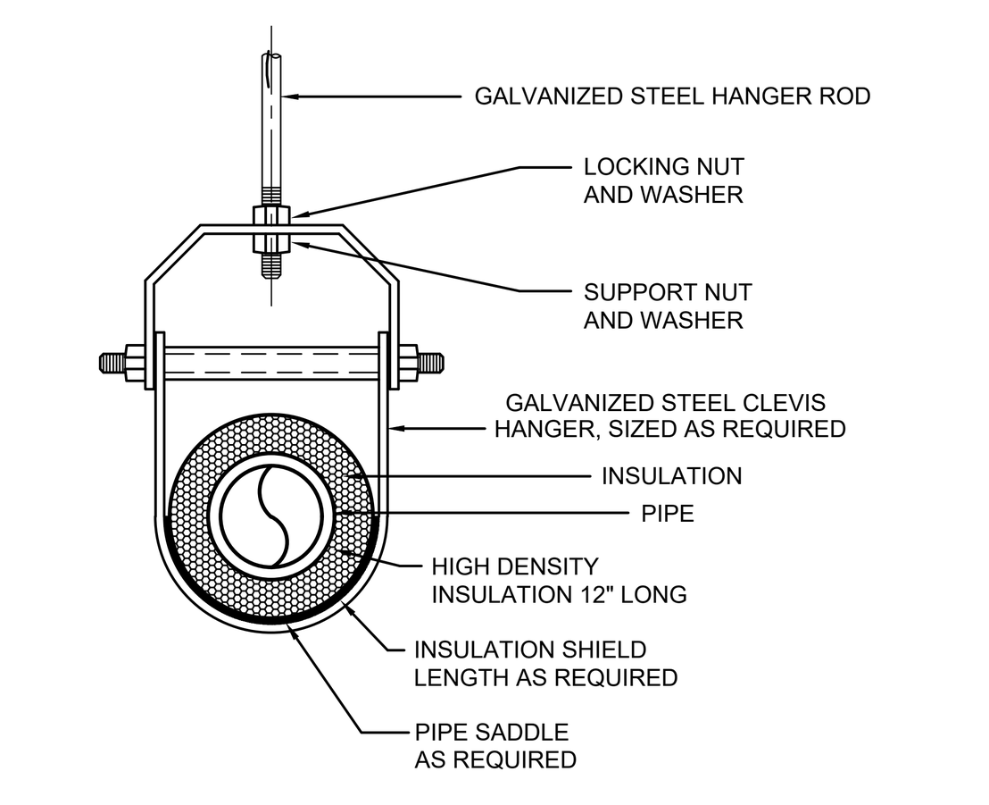
HORIZONTAL FIRE/SMOKE DAMPER DETAIL
NOT TO SCALE



UNIT TYPE	A	B
DRAW THRU	2" PLUS X	X
BLOW THRU	1" MIN.	2X

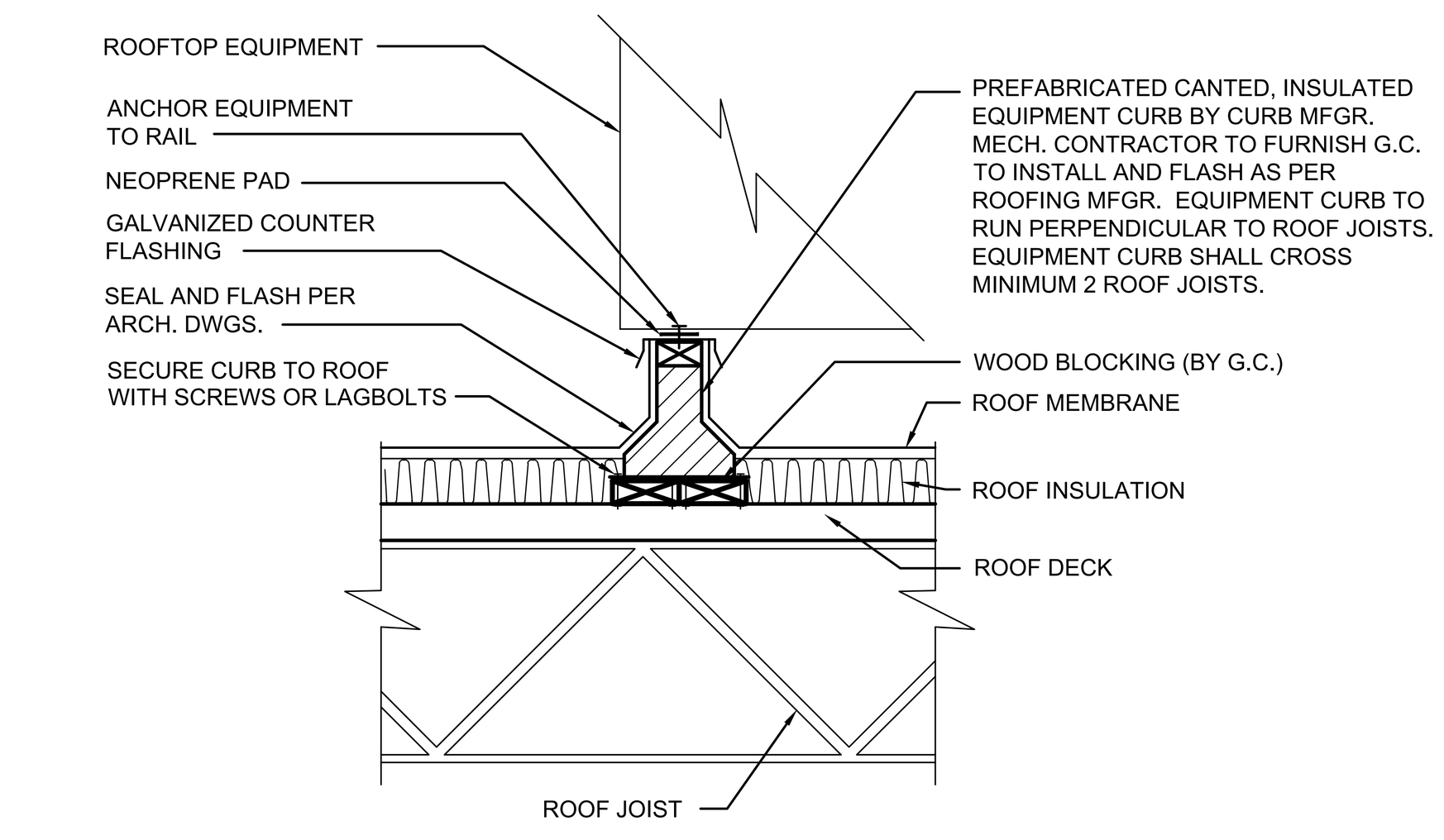
X = STATIC PRESSURE IN PAN

TYPICAL CONDENSATE DRAIN TRAP
NOT TO SCALE



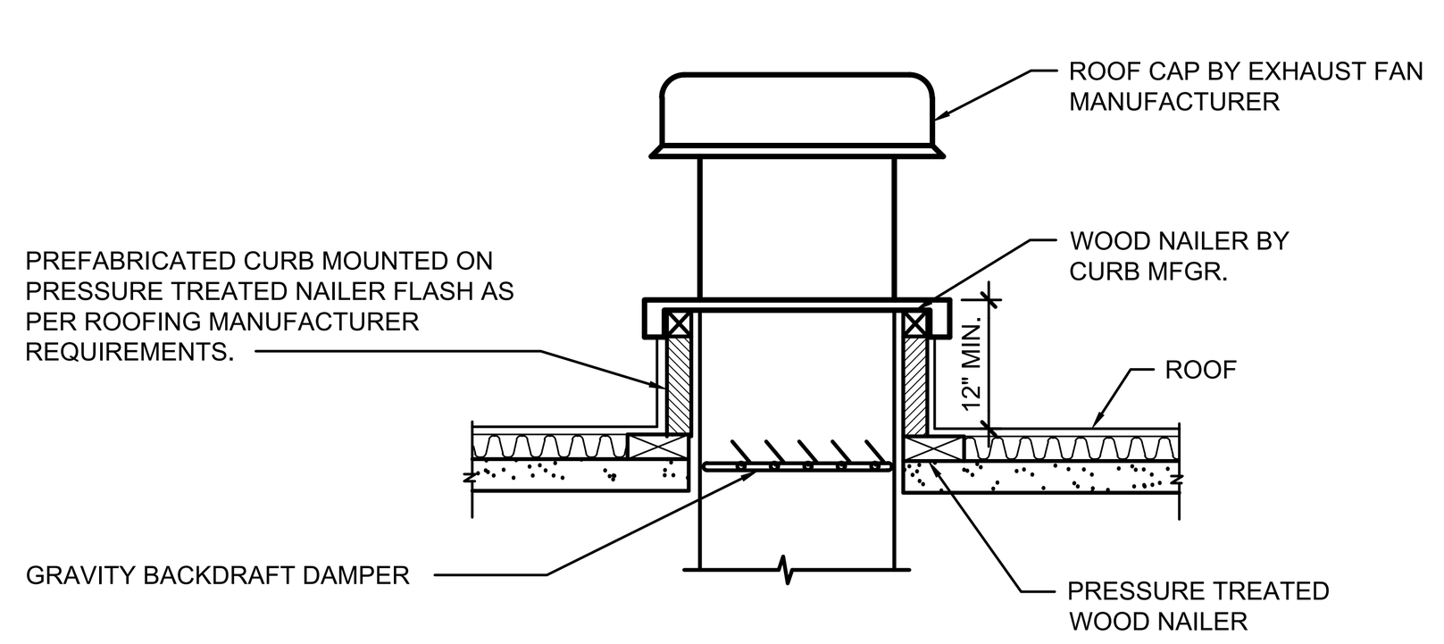
- SIZE INSERT TO FIT PIPE AND INSULATION THICKNESS
- SIZE HANGER TO FIT INSULATION THICKNESS, INSERT, SHIELD AND ACCESSORIES
- COORDINATE HANGERS WITH STRUCTURAL COMPONENTS
- PIPE INSULATION AND JACKET SHALL BE CONTINUOUS, PROVIDE PIPE ACCESSORIES AS REQUIRED
- PROVIDE INSERTS AND SHIELDS ON ALL INSULATED PIPING (HOT AND COLD PIPING), REFER TO SPECS

TYPICAL CLEVIS PIPE HANGER DETAIL (WITHIN BUILDING)
NOT TO SCALE

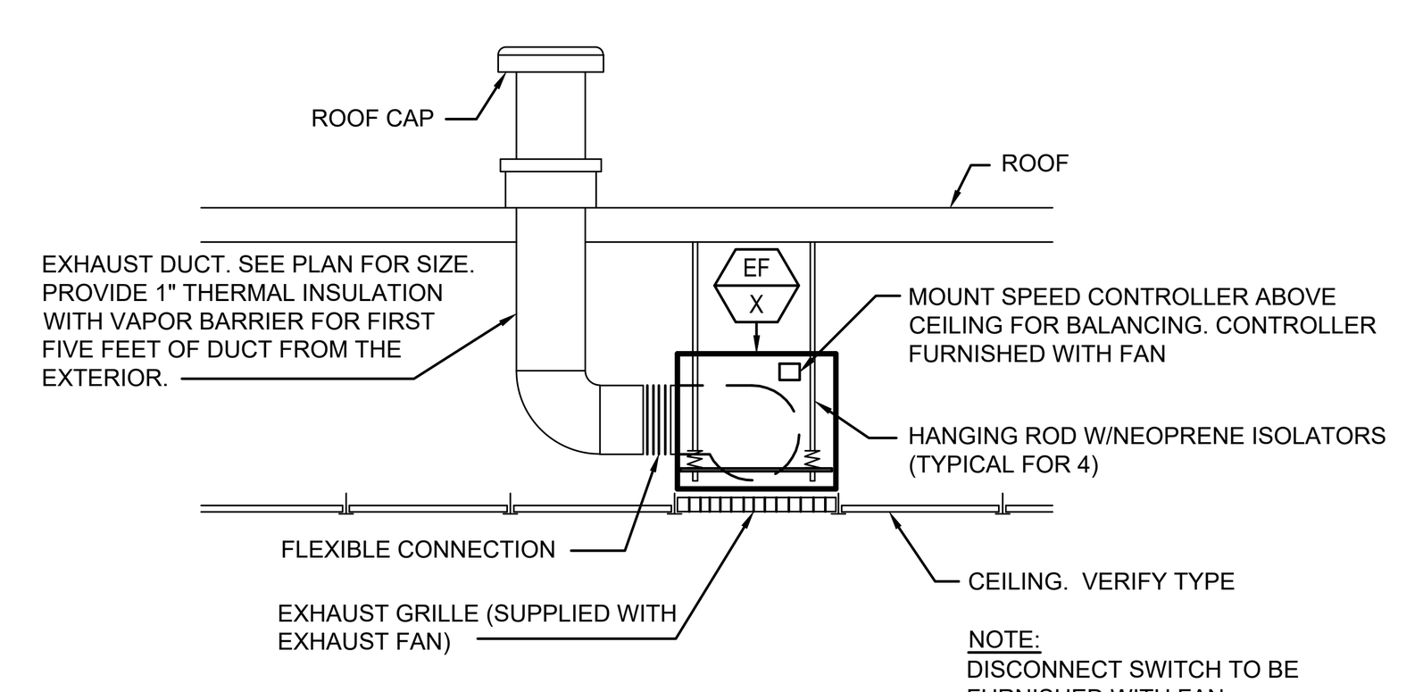


NOTE:
PROVIDE (2) TWO EQUIPMENT CURBS PER CONDENSING UNIT

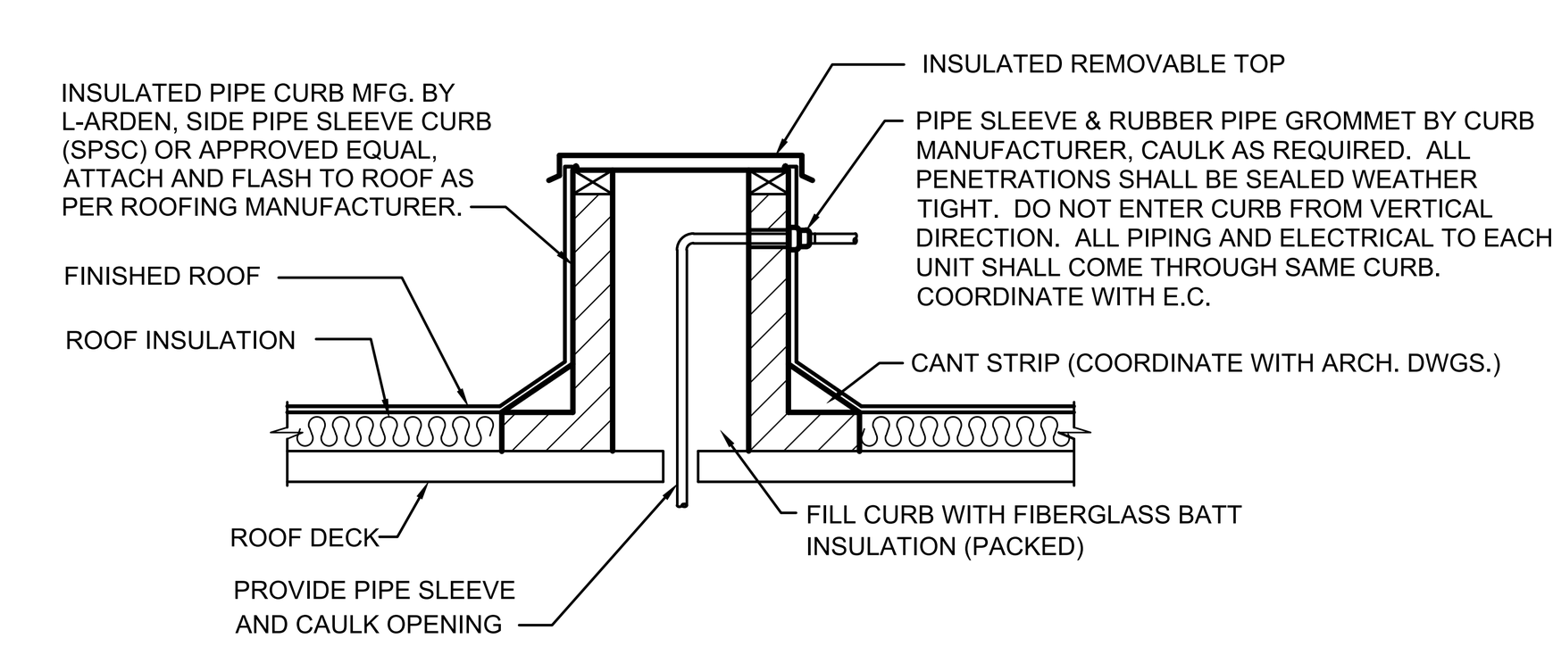
EQUIPMENT SUPPORT RAIL DETAIL
NOT TO SCALE



ROOF CAP / CURB DETAIL
NOT TO SCALE



CEILING EXHAUST FAN DETAIL
NOT TO SCALE



PIPE CURB DETAIL
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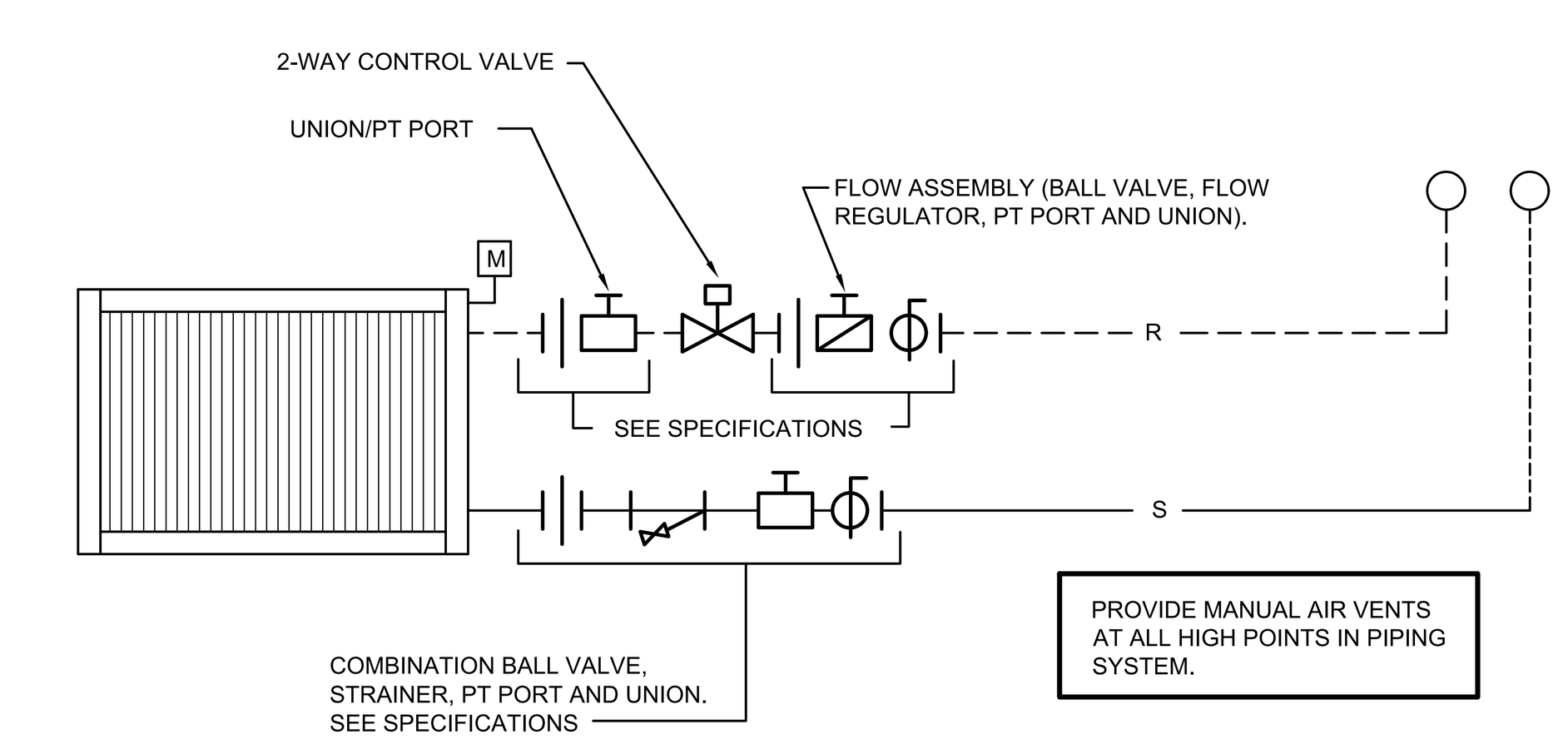
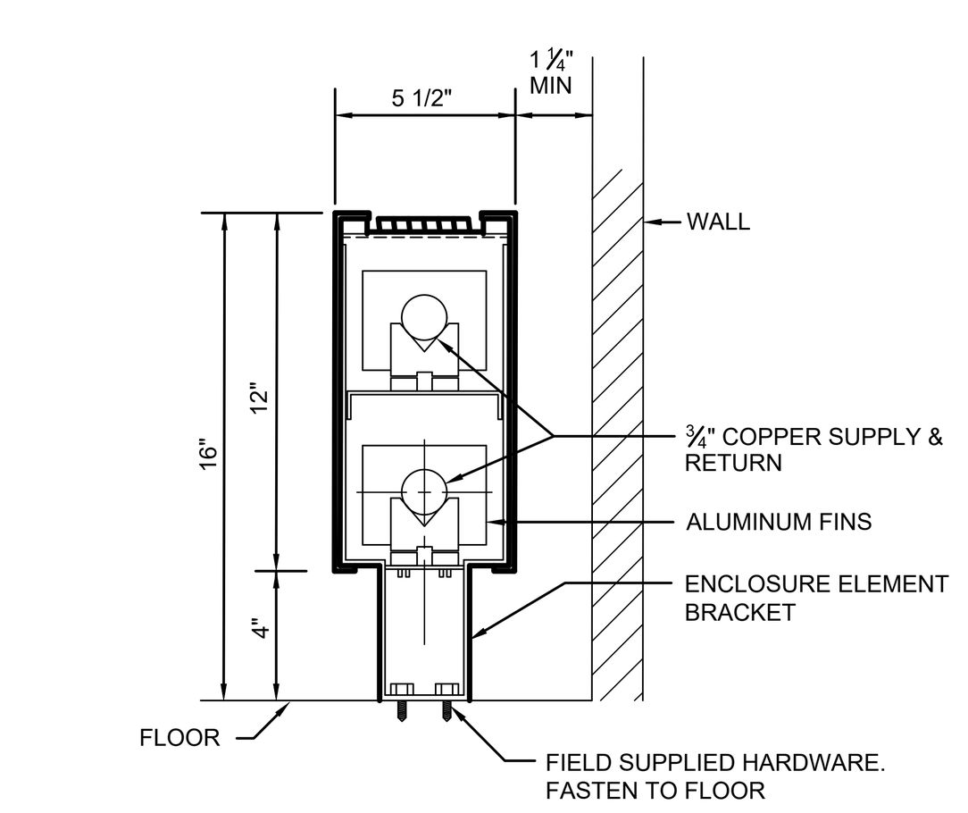
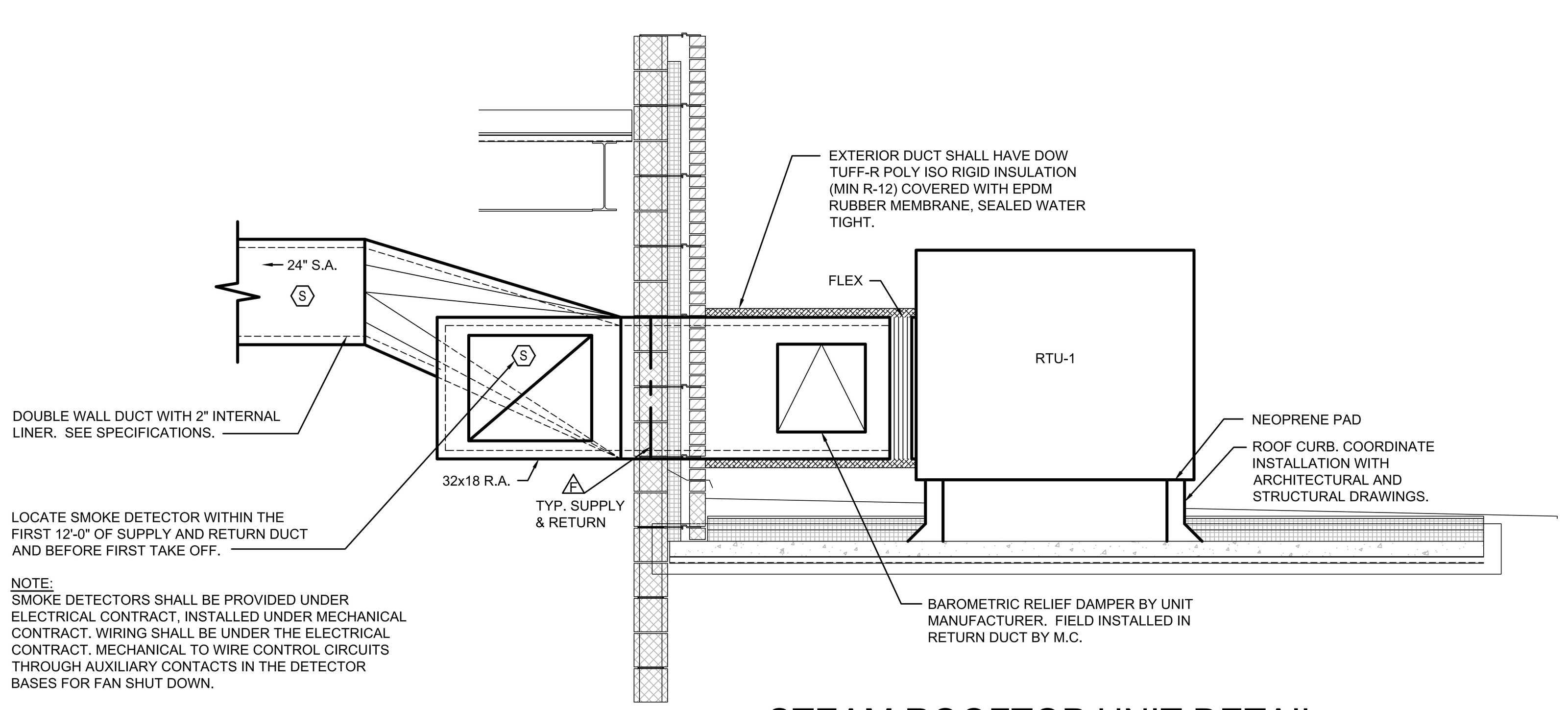


HEATING / COOLING COIL DETAIL
NOT TO SCALE

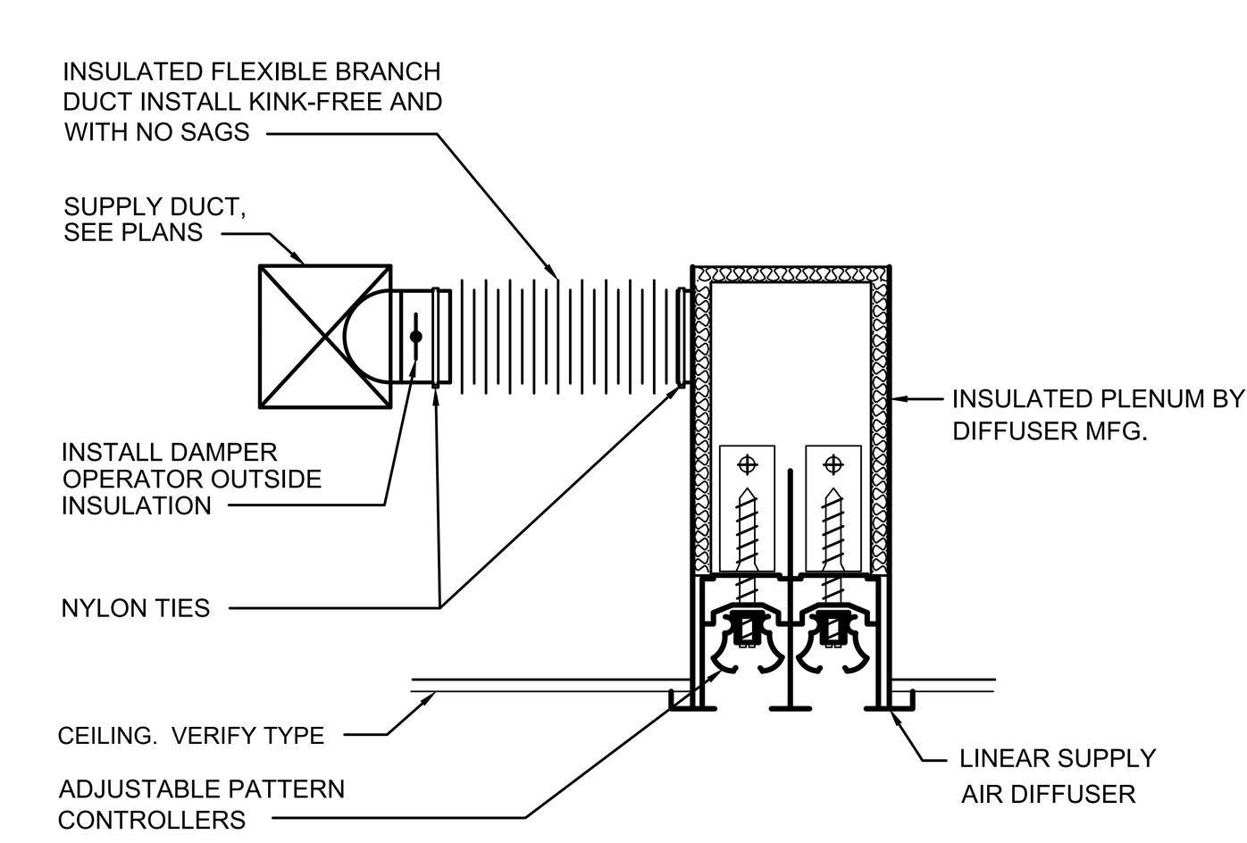


SECTION @ PEDESTAL FIN TUBE
NOT TO SCALE



NOTE:
SMOKE DETECTORS SHALL BE PROVIDED UNDER ELECTRICAL CONTRACT, INSTALLED UNDER MECHANICAL CONTRACT. WIRING SHALL BE UNDER THE ELECTRICAL CONTRACT, MECHANICAL TO WIRE CONTROL CIRCUITS THROUGH AUXILIARY CONTACTS IN THE DETECTOR BASES FOR FAN SHUT DOWN.

STEAM ROOFTOP UNIT DETAIL
NOT TO SCALE



LINEAR DIFFUSER DETAIL
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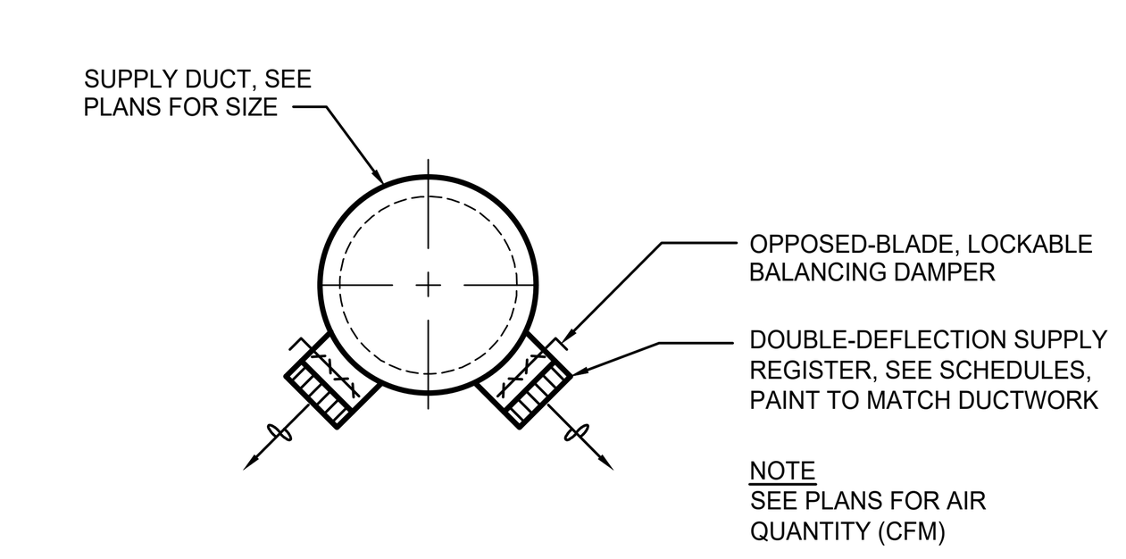
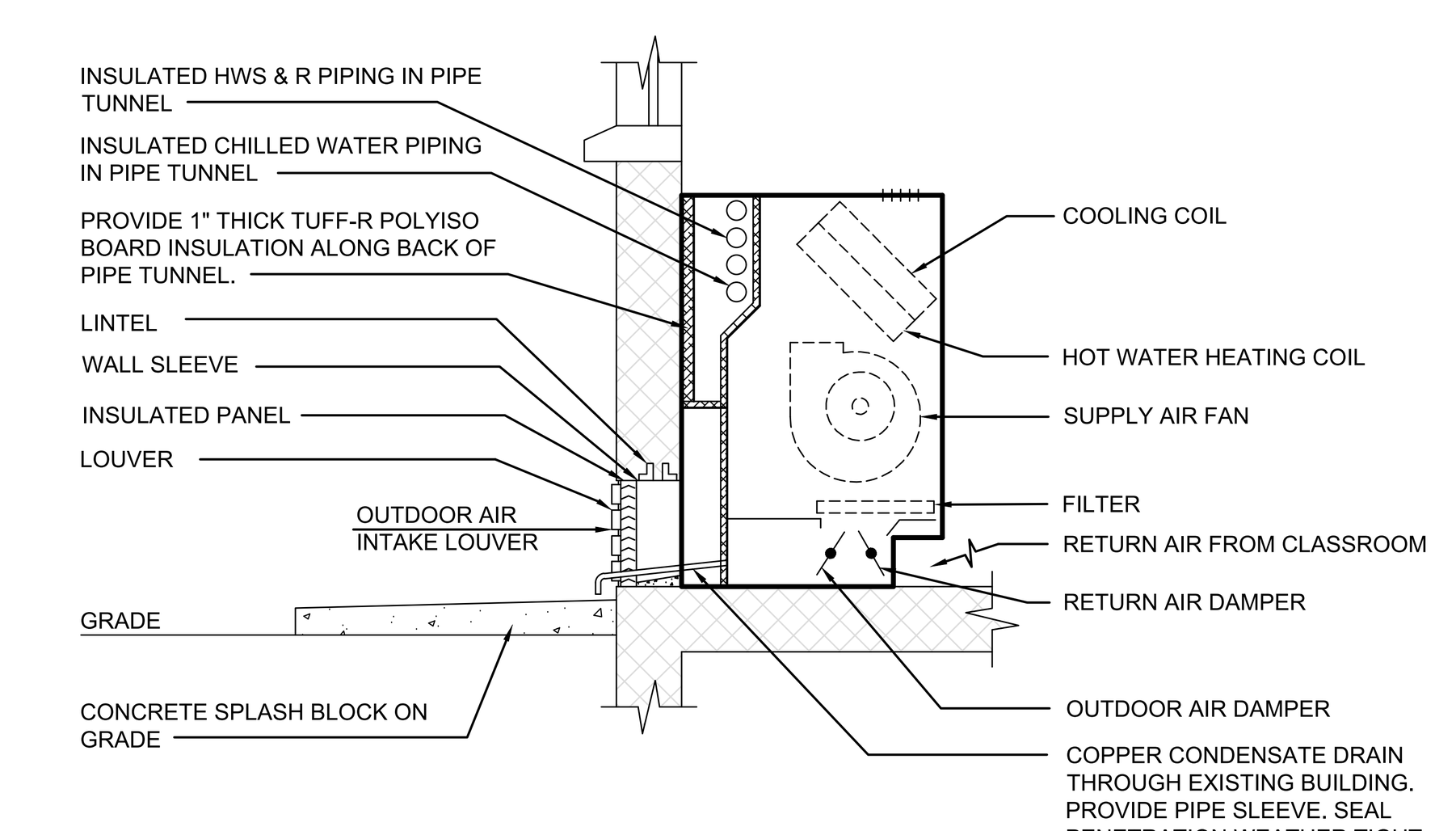
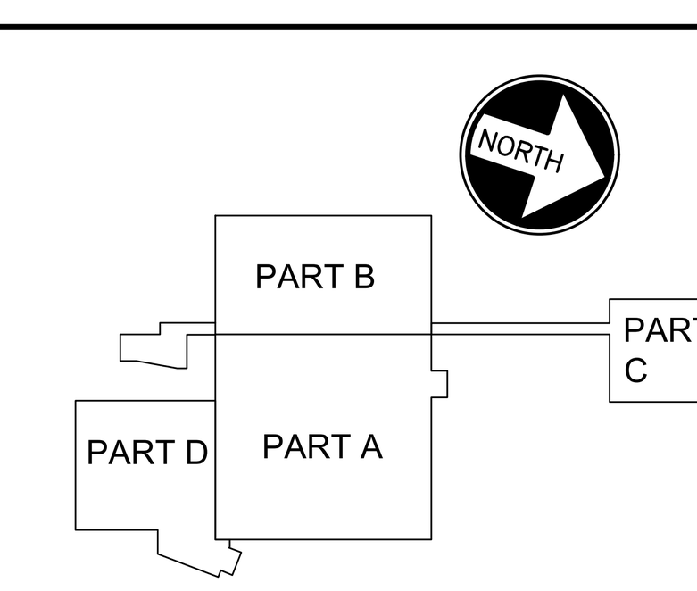


STEAM EXPOSED DUCT SUPPLY GRILLE INSTALLATION
NOT TO SCALE



CLASSROOM UNIT VENTILATOR DETAIL
NOT TO SCALE

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

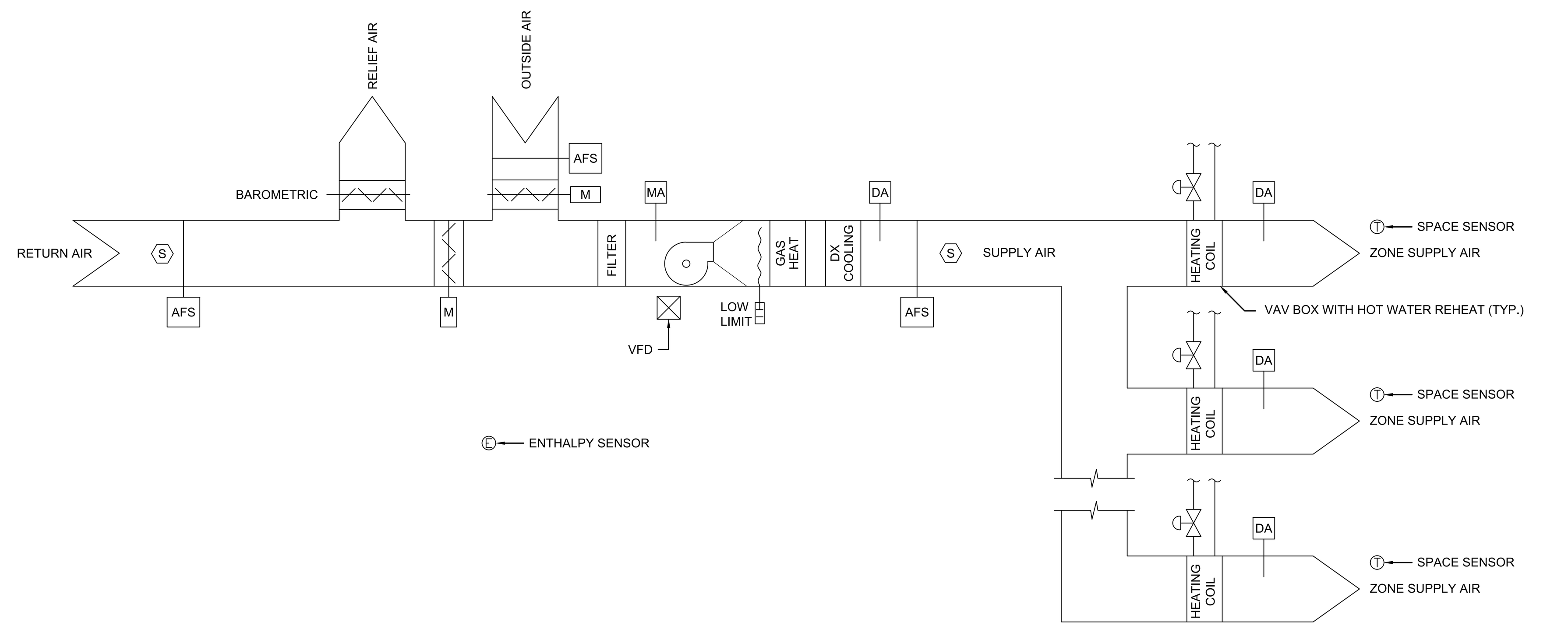
SEALS:

HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York · Pennsylvania

PROJECT TITLE:
Vestal
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
HVAC DETAILS

DRAWN BY:	PROJECT NO.:
JAH	2025-151P
CHECKED BY:	DRAWING NO.:
AJL	M-500
DATE: 02-09-2026	



NEW ROOFTOP UNIT RTU-1

NOT TO SCALE

NEW RTU-1 CONTROL

GENERAL:

1. THE UNIT IS PROVIDED FROM THE MANUFACTURER WITH A SUPPLY FAN WITH VARIABLE FREQUENCY DRIVE, GAS HEATING SECTION, DX COOLING SECTION, AND ECONOMIZER. THE SYSTEM SHALL BE CONTROLLED FROM A DDC CONTROLLER AT THE UNIT SUPPLIED BY THE BMS CONTRACTOR. IT SHALL PROVIDE ALL CONTROL FUNCTIONS.
2. AIRFLOW STATIONS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR IN THE SUPPLY, RETURN, AND OUTSIDE AIR DUCT.

SAFETIES

1. DUCT SMOKE DETECTORS PROVIDED BY THE DIVISION 26 CONTRACTOR, IN THE SUPPLY AND RETURN AIR STREAM, INPUT AN ALARM CONDITION TO THE DDC CONTROLLER WHEN PRODUCTS OF COMBUSTION ARE SENSED. WHEN AN ALARM OCCURS, THE FANS ARE DE-ENERGIZED. THE OUTDOOR AIR DAMPER CLOSES. THE ALARM IS ANNUNCIATED THROUGHOUT THE DDC SYSTEM.

SUPPLY FAN CONTROL:

1. THE UNIT SHALL CONTINUOUSLY RUN IN THE OCCUPIED MODE OF OPERATION.
2. THE UNIT WILL BE STARTED THRU THE BMS SYSTEM. ONCE A SYSTEM ENABLE COMMAND IS ISSUED, THE UNIT'S MAIN DUCT SMOKE DAMPERS AND THE OUTDOOR AIR INTAKE DAMPER WILL OPEN. AFTER PROOF OF SMOKE AND OUTDOOR INTAKE DAMPER OPEN CONDITION VIA END SWITCHES, THE FAN WILL BE ALLOWED TO ENERGIZE. ONCE ENERGIZED, THE UNIT FAN WILL RUN CONTINUOUSLY.
3. THE SUPPLY FAN WILL BE PROVIDED WITH VARIABLE FREQUENCY DRIVES (VFD). THE SUPPLY FAN VFD WILL MODULATE TO MAINTAIN A CONSTANT SUPPLY DUCT STATIC PRESSURE (STATIC PRESSURE PROBE LOCATED 2/3RDS DOWN THE MAIN SUPPLY DUCT).
4. SUPPLY FAN ALARMS WILL REPORT TO THE DDC.

MIXING DAMPER CONTROL:

1. THE RETURN AND OUTSIDE AIR DAMPERS WILL OPEN TO THEIR MINIMUM OUTDOOR AIR POSITIONS BY MAINTAINING THE REQUIRED MINIMUM OUTSIDE AIR CFM AS SENSED BY AIR FLOW MONITORING STATION LOCATED IN THE OUTDOOR INTAKE DUCT. THE RETURN AND OUTSIDE AIR DAMPERS WILL OPEN TO THEIR MINIMUM OUTDOOR AIR POSITIONS BY MAINTAINING THE REQUIRED MINIMUM OUTSIDE AIR CFM.
2. WHEN OUTSIDE AIR CONDITIONS ARE SUITABLE VIA ENTHALPY PROGRAM (OUTDOOR VERSUS RETURN AIR), THE DDC WILL MODULATE THE MIXED AIR DAMPERS, IN SEQUENCE WITH THE COOLING AND HEATING TO MAINTAIN A DISCHARGE AIR TEMPERATURE SUBJECT TO THE FOLLOWING RESET SCHEDULE:

   OUTDOOR AIR TEMPERATURE = 0 DEGREES F , DISCHARGE AIR TEMPERATURE = 65 DEGREES F
   OUTDOOR AIR TEMPERATURE = 55 DEGREES F , DISCHARGE AIR TEMPERATURE = 55 DEGREES F

3. ALL VALUES WILL BE ADJUSTABLE VIA THE BMS.
4. MIXING DAMPER CONTROL FOR FREE COOLING WITH OUTDOOR AIR WILL FUNCTION WITH A MIXED AIR LOW LIMIT OVERRIDE CONTROL SEQUENCE. THIS SEQUENCE WILL PREVENT THE MIXED AIR TEMPERATURE FROM FALLING BELOW 45°F BY OVERRIDING THE DISCHARGE AIR CONTROL SEQUENCE OF THE MIXING DAMPERS. ECONOMIZER OPERATION SHALL AUTOMATICALLY REDUCE OUTSIDE AIR INTAKE TO DESIGN MINIMUM OUTSIDE AIR CFM WHEN OUTSIDE AIR TEMPERATURE EXCEEDS 70°F.
5. SUPPLY AIR LOW AND HIGH TEMPERATURE ALARMS WILL REPORT TO THE BMS.
6. UNITS SUPPLIED WITH A BAROMETRIC GRAVITY RELIEF DAMPER: AS OUTSIDE AIR INTAKE INCREASES AND RETURN AIR DAMPER CLOSED AND PRESSURE IN RETURN PLENUM INCREASES, GRAVITY RELIEF DAMPER WILL OPEN.

OPTIMIZED CONTROL OF SUPPLY DUCT STATIC PRESSURE (FAN-PRESSURE OPTIMIZATION):

AT A FREQUENCY OF ONCE EVERY 10 MINUTES, THE BAS SHALL MONITOR THE DAMPER POSITION OF ALL VAV TERMINAL UNITS. THE BAS SHALL CALCULATE A NEW SUPPLY FAN DUCT STATIC PRESSURE SETPOINT BASED ON THE POSITION OF THE FURTHEST-OPEN VAV DAMPER, AND SEND THIS NEWLY-CALCULATED SETPOINT TO THE AHU CONTROLLER. WHEN ANY VAV DAMPER IS MORE THAN 75% (ADJ) OPEN, THE SUPPLY FAN DUCT STATIC PRESSURE SETPOINT SHALL BE RESET UPWARD BY 5% UNTIL NO DAMPER IS MORE THAN 75% (ADJ) OPEN OR THE STATIC PRESSURE SETPOINT HAS RESET TO THE MAXIMUM SETTING. WHEN ALL VAV DAMPERS ARE LESS THAN 65% (ADJ) OPEN, THE SUPPLY FAN DUCT STATIC PRESSURE SETPOINT SHALL BE RESET DOWNWARD BY 5% UNTIL AT LEAST ONE DAMPER IS MORE THAN 65% (ADJ) OPEN OR THE STATIC PRESSURE SETPOINT HAS RESET TO THE MINIMUM SETTING.

OPTIMIZED CONTROL OF SUPPLY AIR TEMPERATURE (SAT RESET):

AT A FREQUENCY OF ONCE EVERY 10 MINUTES, THE BAS SHALL MONITOR THE OUTDOOR DRY-BULB TEMPERATURE, AS WELL AS THE ZONE TEMPERATURE AND DAMPER POSITION OF ALL VAV TERMINAL UNITS. THE BAS SHALL CALCULATE A NEW SAT SETPOINT BASED ON CURRENT OUTDOOR AIR (OA) TEMPERATURE, AND SEND THIS NEWLY-CALCULATED SAT SETPOINT TO THE AHU CONTROLLER. WHEN THE OA TEMPERATURE IS WARMER THAN 65°F (ADJ), THE SAT SETPOINT SHALL BE 55°F (ADJ). WHEN THE OA TEMPERATURE IS COLDER THAN 55°F (ADJ), THE SAT SETPOINT SHALL BE 60°F (ADJ). WHEN THE OA TEMPERATURE IS BETWEEN 55°F (ADJ) AND 65°F (ADJ), THE SAT SETPOINT SHALL BE RESET PROPORTIONALLY BETWEEN 55°F (ADJ) AND 60°F (ADJ). IF AT LEAST TWO (ADJ) ZONES HAVE BOTH 1) A VAV DAMPER THAT IS MORE THAN 75% OPEN, AND 2) A CURRENT ZONE TEMPERATURE THAT IS HIGHER THAN THE CURRENT COOLING SETPOINT, THEN THE SAT SETPOINT SHALL RETURN TO 55°F (ADJ) IF THE OUTDOOR DEW POINT IS HIGHER THAN 60°F (ADJ), THIS SAT RESET SEQUENCE SHALL BE SUSPENDED AND THE SAT SETPOINT SHALL BE RESET TO 55°F (ADJ) UNTIL OUTDOOR DEW POINT DROPS BELOW 57°F (ADJ).

OPTIMIZED CONTROL OF VENTILATION (VENTILATION OPTIMIZATION):

THE ACTUAL OUTDOOR AIRFLOW SHALL BE SENSED AT THE OUTDOOR AIR INTAKE OF THE RTU, AND CONTROLLED TO AN AIRFLOW SETPOINT DETERMINED ACCORDING TO ASHRAE STANDARD 62.1. WHEN THE BAS TIME-OF-DAY SCHEDULE INDICATES THAT A ZONE IS UNOCCUPIED, THE REQUIRED OUTDOOR AIRFLOW FOR THAT ZONE SHALL BE ZERO. WHEN THE SCHEDULE INDICATES THAT A ZONE IS OCCUPIED, THE REQUIRED OUTDOOR AIRFLOW FOR THAT ZONE SHALL EQUAL THE DESIGN OUTDOOR AIRFLOW, UNLESS THE ZONE IS EQUIPPED WITH OCCUPANCY SENSOR AND/OR A CARBON DIOXIDE (CO2) SENSOR, OR USES A TIME-OF-DAY VENTILATION SCHEDULE, TO REDUCE THE REQUIRED OUTDOOR AIRFLOW DURING PERIODS OF PARTIAL OCCUPANCY. THE REQUIRED OUTDOOR-AIR FRACTION (CURRENT REQUIRED OUTDOOR AIRFLOW DIVIDED BY THE CURRENT PRIMARY AIRFLOW) SHALL BE CONTINUOUSLY CALCULATED FOR EACH ZONE (VAV TERMINAL UNIT). AT A FREQUENCY OF ONCE EVERY 10 MINUTES, THE BAS SHALL GATHER THIS DATA FROM ALL VAV TERMINAL UNITS, CALCULATE THE MINIMUM REQUIRED OUTDOOR AIRFLOW FOR THE SYSTEM ACCORDING TO ASHRAE 62.1, AND SEND THIS NEWLY-CALCULATED OUTDOOR AIRFLOW SETPOINT TO THE AHU CONTROLLER.

HEATING CYCLE (MORNING WARM-UP):

UNIT WILL BE INDEXED TO THE WARM-UP CYCLE AS INSTRUCTED BY THE UNIT CONTROLLER WHEN ROOM TEMPERATURE IS BELOW THE OCCUPIED HEATING TEMPERATURE SETPOINT (70°F; ADJ.) OUTSIDE DAMPER SHALL BE CLOSED AND RETURN AIR DAMPER OPEN; VAV BOX SHALL BE AT HEATING SETPOINT POSITION AND THE GAS HEATING COIL SHALL STAGE. WHEN ROOM TEMPERATURE IS AT THE OCCUPIED SETPOINT; THEN THE MORNING WARM-UP CYCLE WILL BE SWITCHED OVER TO THE OCCUPIED CYCLE.

MORNING COOL-DOWN CYCLE:

UNIT WILL BE INDEXED TO THE COOL DOWN CYCLE AS INSTRUCTED BY THE UNIT CONTROLLER WHEN ROOM TEMPERATURE IS ABOVE THE OCCUPIED COOLING TEMPERATURE SETPOINT (75° F; ADJ.). OUTSIDE AIR DAMPER SHALL BE CLOSED AND RETURN AIR DAMPER OPEN THE VAV BOXES SHALL BE AT MAXIMUM COOLING SETPOINT AND THE DX COOLING SHALL MODULATE TO MAINTAIN 55° F SUPPLY AIR TEMPERATURE. WHEN THE ROOM TEMPERATURE IS AT THE OCCUPIED SETPOINT, THEN THE MORNING COOL DOWN CYCLE SHALL BE SWITCHED OVER TO THE OCCUPIED COOLING CYCLE.

OCCUPIED CYCLE:

UNIT SUPPLY FAN SHALL RUN CONTINUOUSLY AND THE OUTDOOR AIR DAMPER SHALL OPEN AS SCHEDULED BY THE O/A DAMPER SEQUENCE. THE DISCHARGE AIR TEMPERATURE SHALL BE MAINTAINED AT 55° F FOR COOLING BY MODULATING THE DX COOLING DURING CONDITIONS WHEN THE OUTSIDE AIR TEMPERATURE IS ABOVE 55° F. WHEN MECHANICAL COOLING IS LOCKED OUT (BELOW 55° F AMBIENT), THEN THE MIXED AIR CONTROLLER SHALL MODULATE THE OUTSIDE AND RETURN AIR DAMPERS TO MAINTAIN SUPPLY AIR TEMPERATURE OF 55° F WHEN CONDITIONS WARRANT.

STATIC PRESSURE SENSOR:

A DUCT STATIC PRESSURE SENSOR LOCATED 2/3 DOWN THE SUPPLY DUCT SHALL FUNCTION TO MODULATE THE FANS SPEED VIA THE VFD. MAINTAIN ¾" STATIC PRESSURE AT THE SENSOR.

LOW LIMIT FREEZE PROTECTION:

A FREEZESTAT SHALL, AFTER A 2 MINUTE TIME DELAY, DE-ENERGIZE UNIT FANS, THE OUTDOOR AIR DAMPER SHALL CLOSE AND AN ALARM CONDITION SHALL BE INDICATED AT THE BMS SYSTEM WHEN THE DISCHARGE TEMPERATURE FALLS BELOW SET POINT (40 DEG. F, ADJ.). A DIRTY FILTER ALARM SHALL ALSO BE PROVIDED TO THE BMS SYSTEM.

UNOCCUPIED CYCLE:

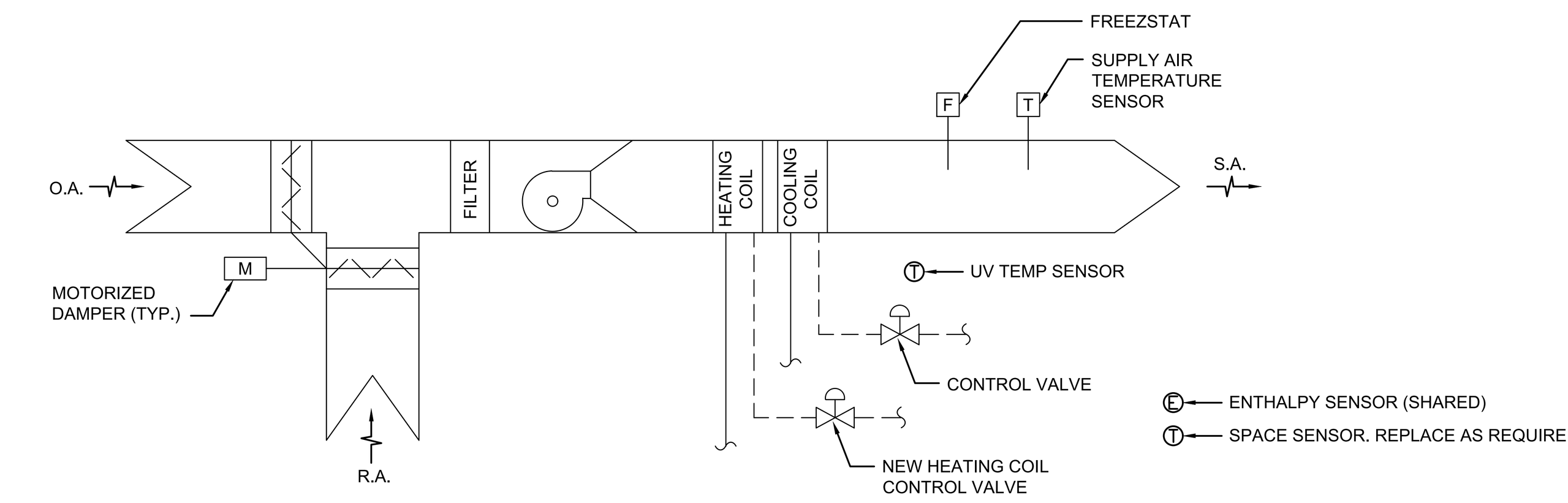
FANS DE-ENERGIZED, OUTDOOR AIR DAMPER CLOSED, RETURN AIR DAMPER OPEN AND FAN SHALL RUN INTERMITTENTLY. ANY ONE OF VAV BOX SPACE SENSORS SHALL SIGNAL THE UNIT TO ENERGIZE AND MAINTAIN OCCUPIED COOLING SETPOINT BY MODULATING THE DX COOLING WHEN SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED PERIOD SETPOINT (80° F; ADJ.). WHEN CALLING FOR HEATING, THE UNIT FAN SHALL RUN, COOLING SHALL BE LOCKED OUT, GAS HEATING SHALL STAGE, AND THE RESPECTIVE VAV BOX CONTROLLER SHALL MODULATE THE HEATING VALVE TO MAINTAIN (68° F, ADJ.) NIGHT SETBACK HEATING SPACE TEMPERATURE.

VAV BOXES:

OCCUPIED CYCLE: IN COOLING MODE, THE SPACE TEMPERATURE SENSOR SHALL MODULATE THE VAV DAMPER FROM THE COOLING MINIMUM TO MAXIMUM SETTING TO MAINTAIN COOLING SET POINT (75° F; ADJ.). IN THE HEATING MODE, THE VAV DAMPER SHALL BE SET TO THE HEATING MINIMUM POSITION AND THE HOT WATER REHEAT VALVE SHALL MODULATE TO MAINTAIN HEATING SET POINT (70° F; ADJ.).

UNOCCUPIED CYCLE: THE VAV DAMPER SHALL BE SET TO THE MAXIMUM POSITION AND THE HOT WATER REHEAT VALVE SHALL MODULATE TO MAINTAIN A NIGHT SET-BACK TEMPERATURE OF 68° F (ADJ.) AND FOR COOLING SETPOINT OF 80° F (ADJ.) THE COIL VALVE SHALL BE CLOSED. IN EITHER SEQUENCE, THE AIR HANDLING UNIT FAN SHALL RUN CONTINUOUSLY UNTIL SPACE TEMPERATURE IS SATISFIED AND THEN SHALL BE OFF.

SUPPLY AIR TEMPERATURE SHALL BE VISIBLE VIA DDC CONTROL SYSTEM.



TYPICAL CLASSROOM UNIT VENTILATOR CONTROL SCHEMATIC

NOT TO SCALE

SEQUENCE OF OPERATIONS

A. UNIT VENTILATORS AND HEAT PUMPS:

1. THE UNIT VENTILATOR WILL BE PROVIDED BY THE UNIT MANUFACTURER WITH CONTROLS. THE SYSTEM WILL BE CONTROLLED FROM THE UNIT CONTROLLER AT EACH UNIT. IT WILL PROVIDE ALL CONTROL FUNCTIONS. OPERATION SHALL BE COORDINATED THROUGH BACNET INTERFACE TO ALLOW THE EXISTING BUILDING-WIDE BMS TO COORDINATE OPERATION.

B. UNIT VENTILATORS:

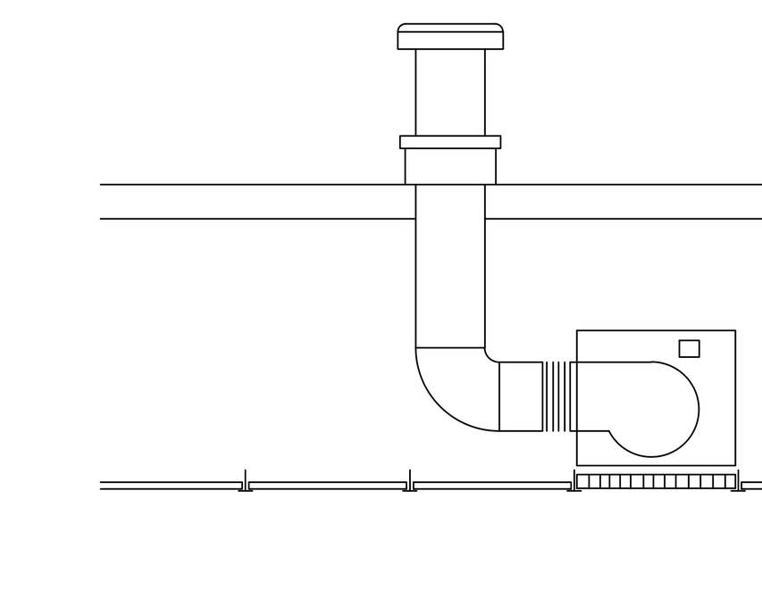
1. OCCUPIED CYCLE: UNIT VENTILATOR FAN SHALL RUN CONTINUOUSLY AND THE OUTDOOR AIR DAMPER SHALL OPEN AND REMAIN AT MINIMUM POSITION. UPON A FALL IN SPACE TEMPERATURE BELOW HEATING SETPOINT (70°F ADJ.), THE HOT WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE. UPON A RISE IN SPACE TEMPERATURE ABOVE HEATING SETPOINT THE VALVE SHALL CLOSE. ON A CONTINUED RISE IN SPACE TEMPERATURE ABOVE COOLING SETPOINT (75° F ADJ.), THE COOLING SHALL BE ACTIVATED AND CHILLED WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE. PROVIDE 5° F DEADBAND BETWEEN HEATING AND COOLING.
2. ECONOMIZER: ON A RISE IN SPACE TEMPERATURE ABOVE COOLING SETPOINT (75° F ADJ.) AND OUTDOOR AIR CONDITIONS PERMIT, THE OUTDOOR AIR AND RETURN DAMPERS SHALL MODULATE TO PROVIDE FREE COOLING. MAXIMUM OUTSIDE AIR SHALL BE LIMITED TO 1250 CFM DUE TO EXISTING LOUVER SIZE.
3. UNOCCUPIED CYCLE: THE SPACE THERMOSTAT SHALL CYCLE UNIT VENTILATOR FAN AND MODULATE THE HOT WATER CONTROL VALVE TO MAINTAIN NIGHT SET-BACK TEMPERATURE SETPOINT (60°F HEATING, ADJ.). THE SPACE THERMOSTAT SHALL CYCLE UNIT VENTILATOR FAN AND CHILLED WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN NIGHT SET-BACK TEMPERATURE SETPOINT (80°F COOLING, ADJ.). OUTDOOR AIR DAMPER SHALL BE CLOSED AND RETURN AIR DAMPER FULL OPEN.
4. THE BMS SHALL CONTROL THE UV THROUGH BACNET INTERFACE TO PREVENT SIMULTANEOUS HEATING AND COOLING BETWEEN EXISTING HOT WATER SYSTEM .

C. SAFETIES / UNIT SHUTDOWN:

1. RETURN THE SYSTEM TO THE UNOCCUPIED CYCLE WHENEVER ANY OF THE FOLLOWING OCCUR:
   - UNIT FREEZSTAT SENSES A SUPPLY AIR TEMPERATURE OF 37°F OR LESS.
   - ACTIVATION OF THE FIRE ALARM SYSTEM.
   - EQUIPMENT FAILURE.
2. WHEN THE OUTDOOR AIR TEMPERATURE IS LESS THAN 30°F, THE HEATING COIL VALVE SHALL OPEN TO PREVENT COIL FREEZE UP. THE SPACE TEMPERATURE SHALL ACTIVATE HEATING (OCCUPIED / UNOCCUPIED) FUNCTIONS AS DESCRIBED PREVIOUSLY.
3. WHEN THE OUTDOOR AIR TEMPERATURE IS BELOW 35° F (ADJ), THE HOT WATER VALVE SHALL OPEN/CLOSE TO MAINTAIN A 40° F PLENUM TEMPERATURE INSIDE THE U.V.
4. DISCHARGE AIR SENSOR SHALL INDICATE ALARM WHEN HIGH TEMPERATURE DISCHARGE (130° F) IS SENSED.

CONTROL SCHEMATIC SYMBOLS

- Ⓣ TEMPERATURE SENSOR
- Ⓔ ENTHALPY SENSOR
- DA DISCHARGE AIR TEMPERATURE SENSOR
- MA MIXED AIR TEMPERATURE SENSOR
- Ⓢ DUCT SMOKE DETECTOR
- M MOTORIZED DAMPER
- AFS AIRFLOW STATION

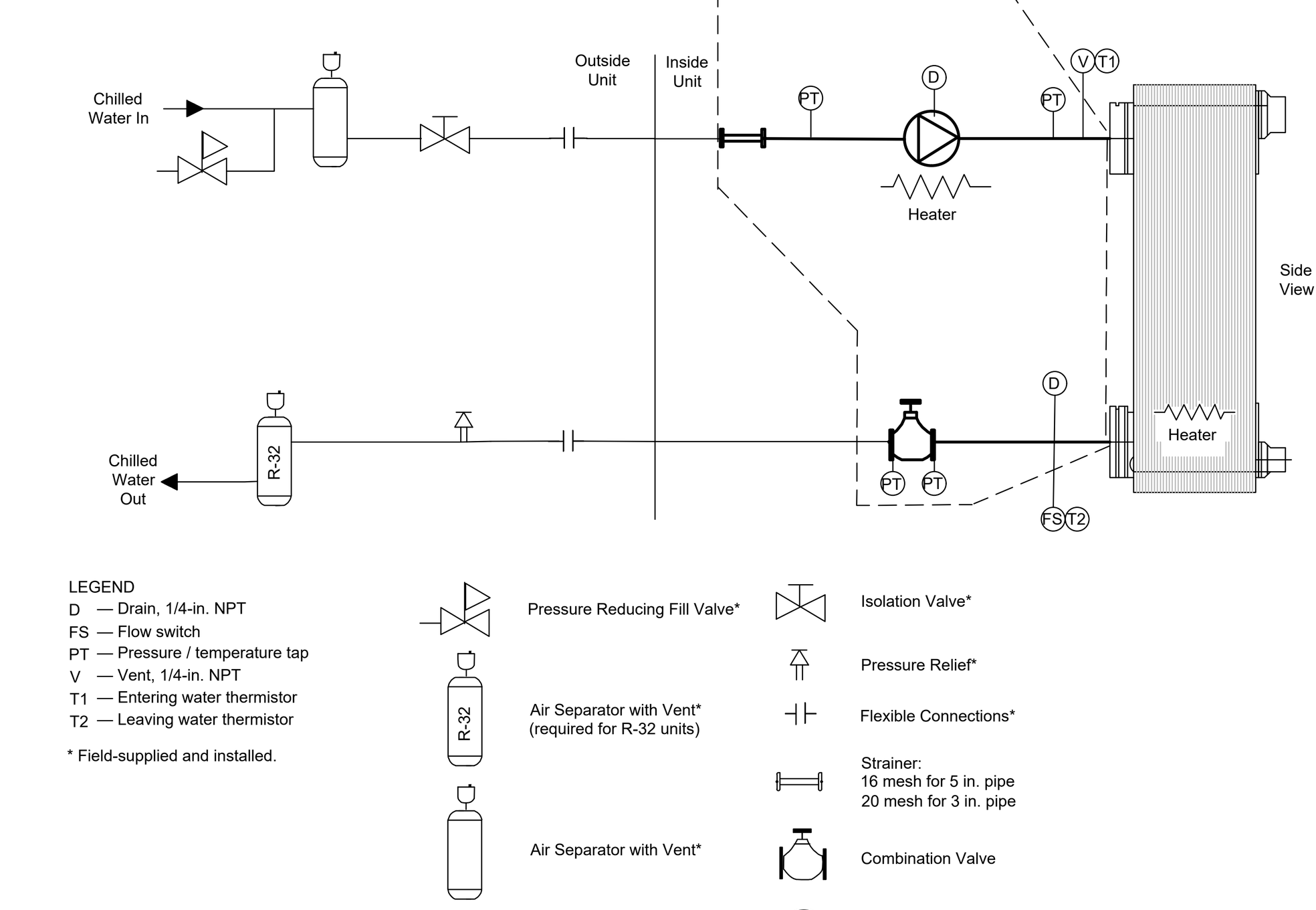


EXHAUST FAN

NOT TO SCALE

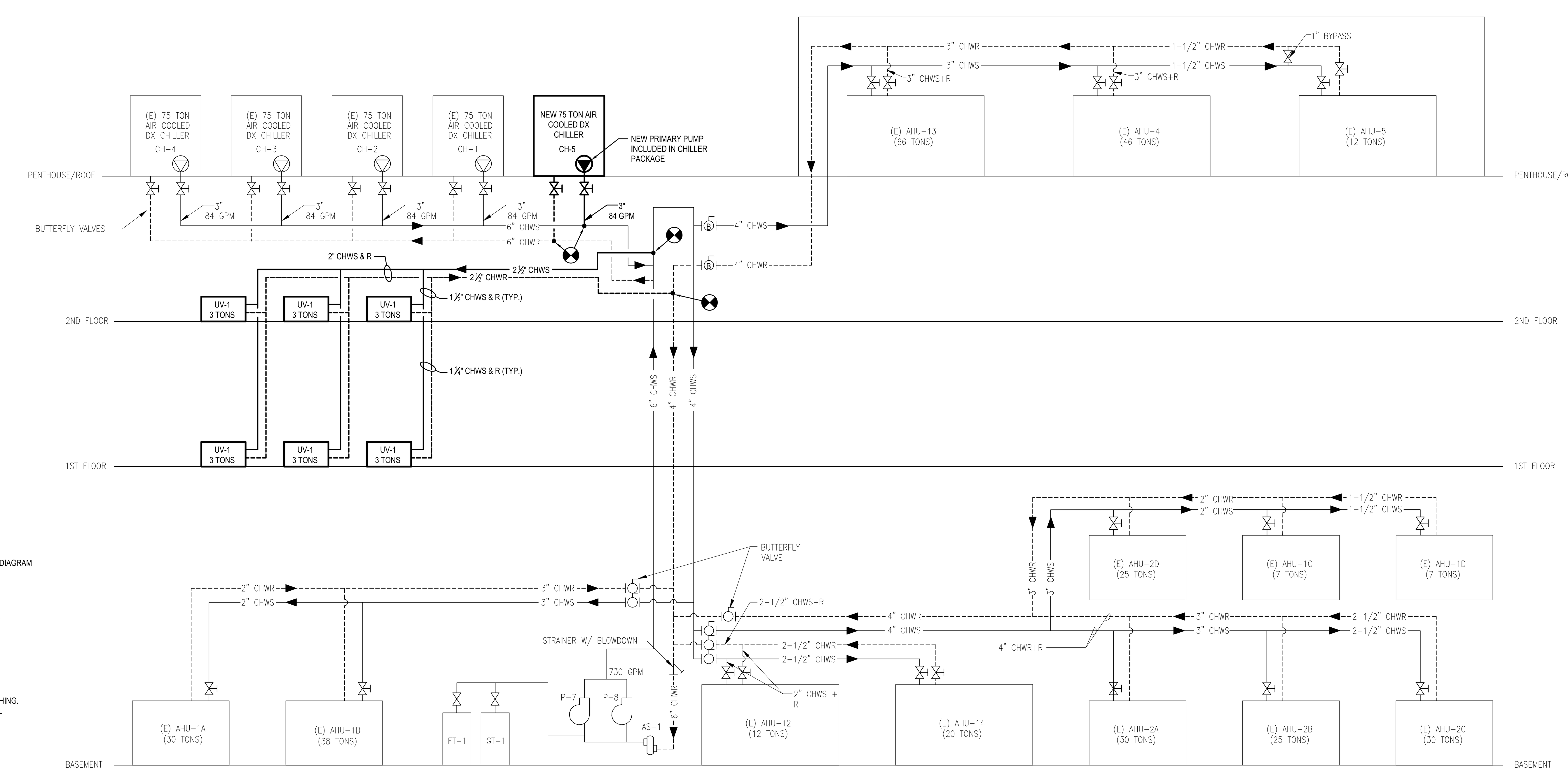
CONTROL:

FAN SHALL BE INTERLOCKED WITH LIGHT SWITCH.



CHILLER PIPING DIAGRAM

NOT TO SCALE



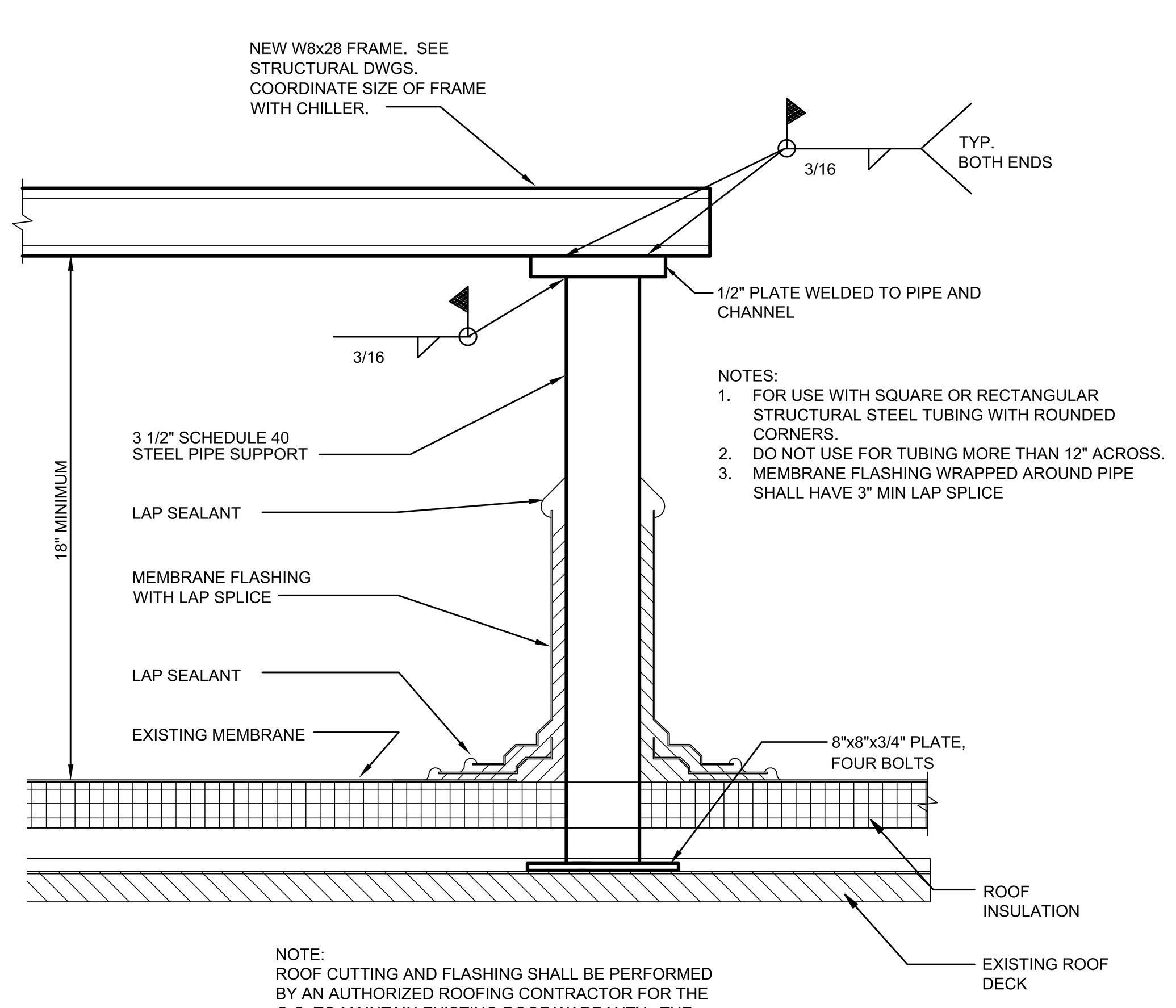
CHILLED WATER SCHEMATIC

NOT TO SCALE

NEW CH-5 CONTROL

GENERAL:

1. THE UNIT IS PROVIDED FROM THE MANUFACTURER WITH A FACTORY MOUNTED PUMP AND CONTROLS. INTEGRATE INTO EXISTING CHILLED WATER SYSTEM AND MAINTAIN EXISTING CHILLED WATER SYSTEM SEQUENCE OF OPERATIONS.

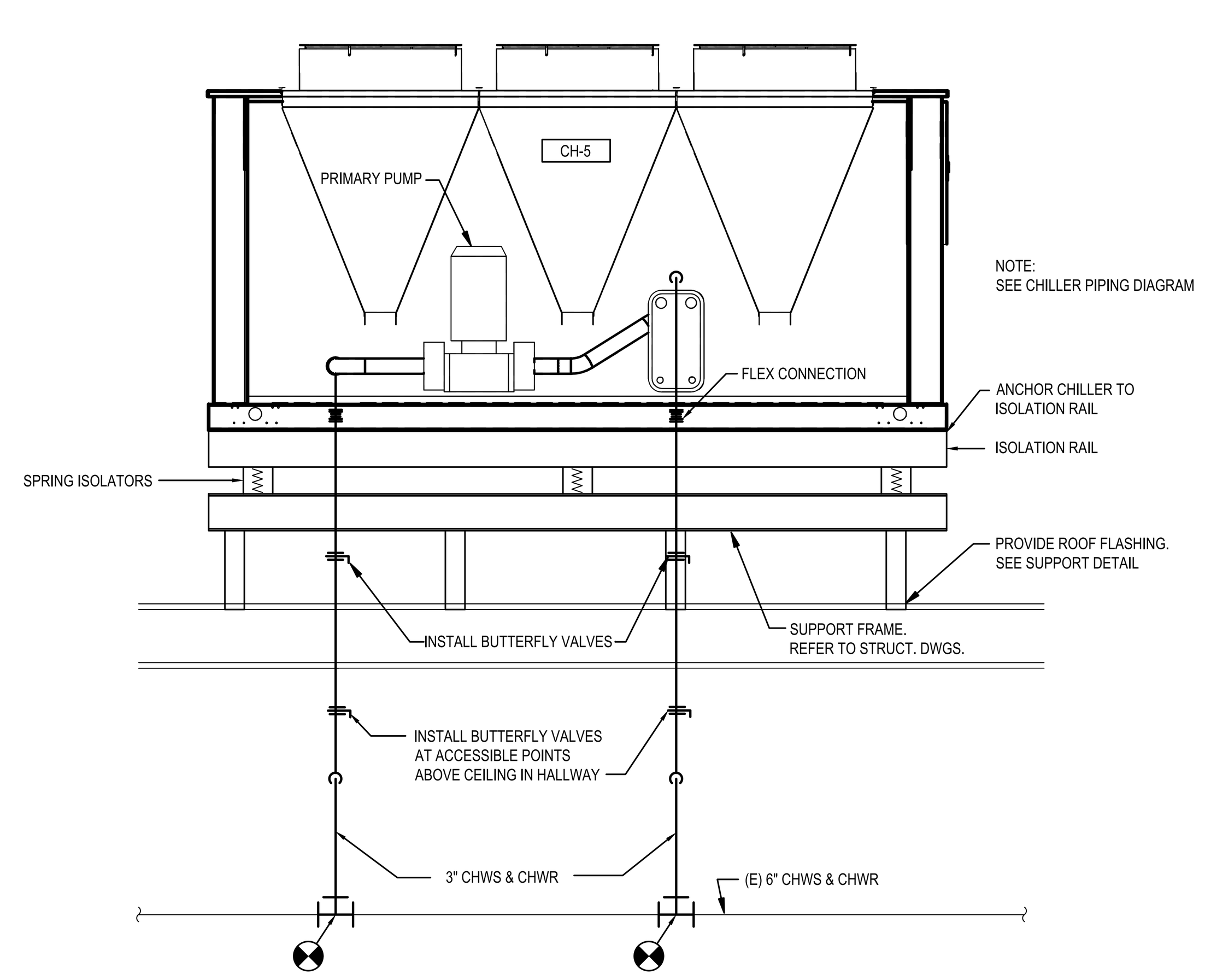


NOTES:
1. FOR USE WITH SQUARE OR RECTANGULAR STRUCTURAL STEEL TUBING WITH ROUNDED CORNERS.
2. DO NOT USE FOR TUBING MORE THAN 12" ACROSS.
3. MEMBRANE FLASHING WRAPPED AROUND PIPE SHALL HAVE 3" MIN LAP SPLICE

NOTE:
ROOF CUTTING AND FLASHING SHALL BE PERFORMED BY AN AUTHORIZED ROOFING CONTRACTOR FOR THE G.C. TO MAINTAIN EXISTING ROOF WARRANTY. THE ROOF SEALING DETAIL MAY BE REVISED BY THE ROOF MANUFACTURER AS REQUIRED AS NOT TO VOID WARRANTY.

CHILLER SUPPORT DETAIL

NOT TO SCALE

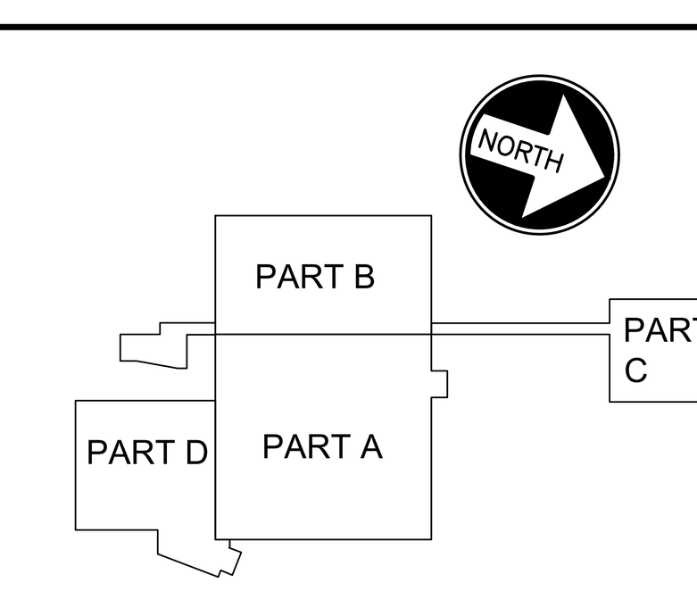


NOTE:
SEE CHILLER PIPING DIAGRAM

CHILLER DETAIL

NOT TO SCALE

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
HVAC DETAILS AND CONTROL DIAGRAMS

DRAWN BY:	PROJECT NO.:
JAH	2025-151P
CHECKED BY:	DRAWING NO.:
AJL	M-501
DATE: 02-09-2026	

CAD FILE: 5151-M501.DWG
PLOT DATE: 1/30/2026

ROOFTOP AIR CONDITIONING UNIT SCHEDULE

TAG	TOTAL CFM	O/A CFM	SUPPLY FAN			GAS HEAT				DX COOLING COIL						COMP.		COND. FANS		UNIT ELECTRICAL DATA			MANU. / MODEL	WEIGHT (LBS.)	EER	FILTERS	REFRIGERANT	REMARKS
			HP	BHP	ESP IN H_2O	OUTPUT MBH	EAT °F	LAT °F	STAGES	EAT(°F) DB	EAT(°F) WB	LAT(°F) DB	LAT(°F) WB	TOTAL MBH	SENS MBH	QTY	TYPE	QTY	FLA	VOLTAGE	MCA	MFS						
RTU-1	4500	1500	4.6	2.9	1.25	250	43.0	83.8	2	78.4	63.6	52.9	52.1	138.4	114.7	2	SCROLL	1	2.2	460V/3Ø	33	45	TRANE / YSK150A4S0H	1505	10.8	2" - 30% PLEATED MERV 8	R454B	VARIABLE VOLUME - SEE NOTES

NOTES:
1. UNIT SHALL BE PROVIDED WITH DISCONNECT.
2. UNIT SHALL BE PROVIDED WITH ECONOMIZER OPERATION.
3. UNIT SHALL BE MOUNTED ON 14" HIGH CURB.
4. UNIT SHALL BE PROVIDED WITH VFD.
5. UNIT SHALL BE PROVIDED WITH POWERED CONVENIENCE OUTLET.
6. IF UNIT WEIGHTS ARE EXCEEDED CONTRACTOR MUST VERIFY WITH STRUCTURAL ENGINEER.

AIR COOLED CHILLER SCHEDULE

TAG	AMBIENT °F	CAPACITY	TOTAL UNIT POWER W/ PUMP - KW	# CIRCUITS	COMPRESSORS		EVAPORATOR BARREL							CONDENSER FANS		UNIT ELECTRICAL DATA			WT (lbs)	REFRIG	MFR / MODEL	REMARKS
					NO.	TYPE	GPM	WPD	EWT	LWT	FLUID	VOLUME	FOULING FACTOR	QTY	AIRFLOW CFM	VOLTAGE	MCA	MOP				
CH-5	95	73.91 TONS	94.05	2	1	SCROLL	136	4.95'	57.5	44.0	30% PG	6.1 GAL.	.0001	4	49,934	460V/3	175.5	200	4565	R-32	CARRIER / 30RC-0826S01628-6	

NOTES:
1. PROVIDE WITH FACTORY MOUNTED 10 HP, 50 FT HEAD PUMP
2. PROVIDE DISCONNECT
3. 30% PROPYLENE GLYCOL

UNIT VENTILATOR SCHEDULE

TAG	TYPE	TOTAL CFM	O/A MIN	HOT WATER HEATING								CHIILED WATER COOLING - 30% PROP GLYCOL									ELECTRICAL				MANU./MODEL	LOUVER	DIMENSIONS (L x H x W)
				TOTAL MBH	GPM	EWT °F	LWT °F	ROW COIL	P.D FT. H_2O	EAT °F	LAT °F	TOTAL MBH	SENS MBH	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	GPM	P.D FT. H_2O	ROW COIL	FAN HP	MCA	MFS	VOLTAGE			
UV-1	FLOOR	1500	500	62.4	4.6	140	113.4	1	11.0	43.8	86.3	35.3	27.6	79.2	66.7	60.5	58.5	8.8	5.2	4	0.25	8.4	15	120V/1	TRANE / VUVE1500	EXISTING	105" L x 30" H x 21.5" D

NOTES:
ALL UNITS:
1. MERV 9 FILTERS
2. RETURN AIR FRONT/FRESH AIR BACK
3. 4 PIPE PREHEAT WITH LEFT HAND COOLING AND RIGHT HAND HEATING
4. CHILLED WATER COOLING
5. ECM MOTORS
6. TOGGLE SWITCH
7. FIELD SUPPLIED HOT AND CHIILED WATER VALVE, ANALOG (2-10VDC)
8. DISCHARGE GRILLE
9. WALL MOUNTED SENSOR BY ATC
10. 21.5" DEPTH WITH FULL SHEET METAL BACK
11. INSULATED FRONT PANEL
12. AUXILIARY DRAIN PAN
13. LOUVER FRONT KICKPLATE

EXHAUST FAN SCHEDULE

TAG	TYPE	CFM	ESP IN. H_20	MOTOR HP	VOLTAGE	SONES	FAN RPM	MANU. / MODEL	SERVICE	REMARKS
EF-1	CEILING	100	0.25	18 WATTS	120V/1	0.6	1065	GREENHECK / SP-A200	TOILET RM.	ROOF CAP, WALL SWITCH W/DELAY, SPEED CONTROLLER & DESIGNER GRILLE
EF-2	CEILING	100	0.25	18 WATTS	120V/1	0.6	1065	GREENHECK / SP-A200	TOILET RM.	ROOF CAP, WALL SWITCH W/DELAY, SPEED CONTROLLER & DESIGNER GRILLE

NOTES:
1. FAN TO BE FURNISHED WITH DISCONNECT SWITCH.

SPLIT SYSTEM AIR CONDITIONING SCHEDULE

TAG	MANUF. / MODEL	INDOOR SECTION					OUTDOOR SECTION					EER	REFRIGERANT	REMARKS
		TAG	CFM	COOLING BTUH	HEATING BTUH	FILTERS	TAG	MANUF. / MODEL	ELECTRICAL MCA	ELECTRICAL MFS	ELECTRICAL VOLTAGE			
AC-1	MITSUBISHI / MSZ-GX09NL	AC-1	448	9,000	10,900	PERMANENT	HP-1	MITSUBISHI / MUZ-GX09NL	10	15	208/1Ø	15.4	R454B	NOTES 1, 2, & 3

NOTES:
1. PROVIDE WITH LOW AMBIENT CONTROL TO 0°F
2. PROVIDE WITH CONDENSATE PUMP
3. PROVIDE FUSED DISCONNECT FOR INDOOR & OUTDOOR UNITS
4. PROVIDE BASE PAN HEATER

(HW) FIN TUBE BASEBOARD RADIATION SCHEDULE

TYPE FR LENGTH

TAG	LENGTH	TUBE	HEIGHT	BTU/HR/FT.	EWT	AWT	GPM	EAT	FINS PER FT	MANU. / MODEL	REMARKS
FR-1	SEE PLANS	3/4"	12"	594	140	130	0.5	65	48	RITTLING / ETL512-3/4C-23/4x4x48	PEDESTAL MOUNTED. ONE COLUMN, TWO ROW

NOTES:
1. PROVIDE ALL FIN RAD WITH WALL TO WALL ENCLOSURE, END CAPS AND FILLER PIECES TO PRODUCE FINISHED APPEARANCE. EXPOSED PIPING OR ELEMENTS ARE NOT ACCEPTABLE.

VARIABLE AIR VOLUME REHEAT BOX SCHEDULE

TAG	BOX SETTING (CFM)			MIN INLET SP IN WG	UNIT SIZE	INLET SIZE	HOT WATER REHEAT COIL									SERVICE	MFGR / MODEL	NOTES
	MAX	MIN	HEATING				MBH	EAT	LAT	EWT	LWT	ROWS	GPM	WPD	RUNOUT			
VAV-1	2000	1000	1000	0.29	16	16	43.4	55	95	140	111.7	2	3.1	0.44	3/4"	RTU-1	TRANE / VCWF	
VAV-2	2000	1000	1000	0.29	16	16	43.4	55	95	140	111.7	2	3.1	0.44	3/4"	RTU-1	TRANE / VCWF	
VAV-3	350	175	175	0.16	8	8	7.6	55	95	140	118.9	2	0.7	0.05	3/4"	RTU-1	TRANE / VCWF	

NOTES:
1. UNITS TO BE TRANE MODEL, SIZE, AND CONFIGURATION AS INDICATED IN SCHEDULE AND ON DRAWINGS
2. PROVIDE WITH ZONE TEMPERATURE SENSOR BY ATC CONTRACTOR.
3. PROVIDE FACTORY WIRE AND TAGGED HOT WATER VALVE AND PIPING PACKAGE
4. PROVIDE UNIT MOUNTED DISCONNECT
5. PROVIDE UNIT MOUNTED CONTROL POWER TRANSFORMER, DISCONNECT, AND POWER FUSE

DIFFUSER, REGISTER AND GRILLE SCHEDULE

TAG	CFM RANGE	PANEL SIZE	NECK SIZE	NECK ADAPTER	THROW (FEET)	MAX. N.C.	MAX. S.P.	MANUFACTURER & MODEL	MATERIAL	REMARKS
D-1	75-200	24x24	18x18	8"	6-10	20	0.1	ANEMOSTAT / DP - TRV	STEEL	
D-2	200-300	24x24	18x18	10"	6-11	20	0.1	ANEMOSTAT / DP - TRV	STEEL	
D-3	300-400	24x24	18x18	12"	8-14	20	0.1	ANEMOSTAT / DP - TRV	STEEL	
D-4	0-280	4'-0"	-	10"	7-21	20	0.1	ANEMOSTAT / SLAD-75	ALUMINUM	PROVIDE MODEL AD INSULATED DIFFUSER PLENUM
D-5	0-300	14x8	12x6	-	18-34	20	0.1	ANEMOSTAT / 20	STEEL	
D-6	75-100	12x12	10x10	6"	6-10	20	0.1	ANEMOSTAT / DF-TRV	STEEL	
R-1	0-400	12x12	10x10	-	-	20	0.1	ANEMOSTAT / GC5	ALUMINUM	
R-2	0-1800	24x24	22x22	-	-	20	0.1	ANEMOSTAT / GC5L	ALUMINUM	
R-3	0-3650	48x24	46x22	-	-	20	0.1	ANEMOSTAT / GC5	STEEL	
R-4	0-400	16x10	14x8	-	-	20	0.1	ANEMOSTAT / 30	STEEL	
E-1	0-1800	24x24	22x22	-	-	20	0.1	ANEMOSTAT / GC5L	ALUMINUM	

NOTES:
1. DIFFUSERS AND GRILLES MOUNTED IN DRYWALL SHALL BE FURNISHED WITH OPPOSED BLADE DAMPERS OPERABLE FROM FACE.
2. VERIFY CEILING TYPES AND FRAME STYLES PRIOR TO ORDERING.

LEGEND

(T)	THERMOSTAT	WMS	WIRE MESH SCREEN
(S)	SMOKE DETECTOR	CHWS	CHILLED WATER SUPPLY
R →	RISE	CHWR	CHILLED WATER RETURN
D →	DROP	HWS	HOT WATER SUPPLY
D-X / CFM	SUPPLY DIFFUSER	HWR	HOT WATER RETURN
R-X / CFM	RETURN GRILLE	CD	CONDENSATE DRAIN
E-X / CFM	EXHAUST GRILLE	S.A.	SUPPLY AIR
F	FIRE DAMPER	R.A.	RETURN AIR
FS	FIRE / SMOKE DAMPER	O.A.	OUTSIDE AIR
⊗	POINT OF NEW CONNECTION	E.A.	EXHAUST AIR
(E)	EXISTING		BALL VALVE
F.C.	FLEXIBLE CONNECTION		BALANCING / SHUTOFF VALVE
MIN.	MINIMUM		GATE VALVE
MAX.	MAXIMUM		CHECK VALVE
E.S.P.	EXTERNAL STATIC PRESSURE		STRAINER
TYP.	TYPICAL		2 WAY CONTROL VALVE

HYDRONIC REHEAT COIL SCHEDULE

TAG	CFM	SIZE	MBH	ROWS	AIR SIDE			WATER SIDE				MFGR / MODEL	RUNOUT SIZE
					EAT	LAT	APD	EWT	LWT	GPM	WPD		
RH-1	650	14x9	29.2	2	55	96.4	0.46	140	120	2.9	4.9	TRANE / DT0B09014G0BA150EABA0AA	3/4"
RH-2	420	10x9	19.0	2	55	96.7	0.39	140	120	1.9	1.9	TRANE / DT0B09010G0BA150EABA0AA	3/4"
RH-3	1200	20x12	52.1	2	55	95.0	0.40	140	120	5.2	4.6	TRANE / DP2B12020G0BA140EABA0AA	1"
RH-4	560	12x9	24.7	2	55	95.7	0.47	140	120	2.5	3.3	TRANE / DT0B09012G0BA150EABA0AA	3/4"

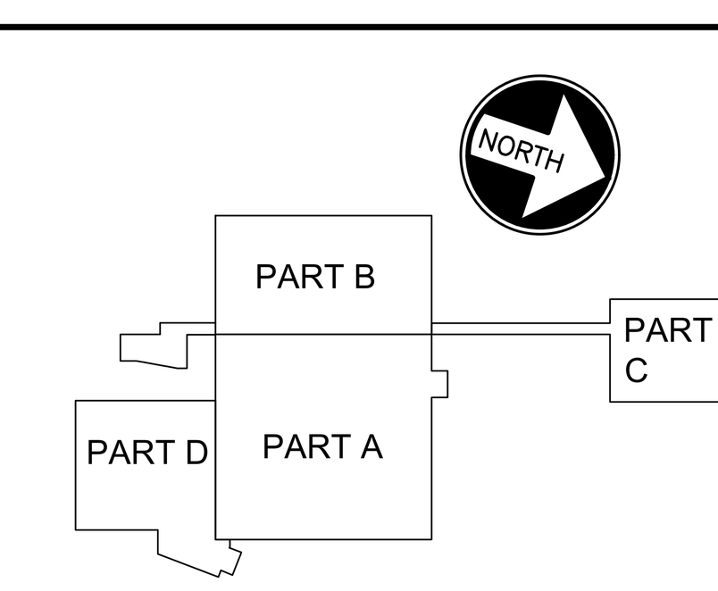
MECH / ELEC / PLUMB EQUIPMENT CONNECTIONS SCHEDULE

EQUIPMENT / TAG	DISCONNECT		STARTER		NOTES
	FURNISHED BY	INSTALLED BY	FURNISHED BY	INSTALLED BY	
ROOFTOP & AIR HANDLING UNITS	M.C.	M.C.	M.C.	M.C.	(5) (6) (8)
ATC PANELS	M.C.	M.C.	-	-	(10)
MOTORIZED DAMPERS	-	-	-	-	(7)
FIRE/SMOKE DAMPERS	M.C.	M.C.	-	-	(7) (11)
DUCT SMOKE DETECTORS	E.C.	M.C.	-	-	
GENERAL EXHAUST FANS	M.C.	E.C.	M.C.	E.C.	(12)
VAV REHEAT BOX	M.C.	M.C.	-	-	(7)
CONTROL VALVE TRANSFORMERS	M.C.	E.C.	-	-	(9)
AC/CU SPLIT SYSTEMS	M.C.	E.C.	M.C.	M.C.	(4) (9) (13)
UNIT VENTILATORS	M.C.	E.C.	M.C.	E.C.	
CHILLER	M.C.	E.C.	M.C.	E.C.	

M/E EQUIPMENT CONNECTIONS SCHEDULE NOTES:

1. THE MECHANICAL/ELECTRICAL EQUIPMENT CONNECTIONS SCHEDULE AND ACCOMPANYING NOTES ARE INTENDED TO CLEARLY DEFINE WHICH CONTRACTOR FURNISHES AND INSTALLS STARTERS AND DISCONNECTS AND SHALL BECOME PART OF THE SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER WIRING AND FINAL POWER CONNECTIONS. ALL CONTROL WIRING SHALL BE FURNISHED, INSTALLED AND FINAL CONNECTION BY THE TRADE SUPPLYING THE EQUIPMENT.
2. E.C. - ELECTRICAL CONTRACTOR
   M.C. - MECHANICAL CONTRACTOR (HVAC)
   P.C. - PLUMBING CONTRACTOR
   MFR - MANUFACTURER
3. E.C. TO WIRE FROM DISCONNECT TO EQUIPMENT POWER PANEL.
4. ELECTRICAL CONTRACTOR SHALL WIRE THROUGH DISCONNECT AND VFD/STARTER AND MAKE FINAL POWER CONNECTIONS TO MOTOR.
5. SEPARATE 120V CIRCUIT FOR ELECTRICAL LIGHTS, RECEPTACLES, ETC. PROVIDED BY E.C.
6. VFD'S PROVIDED BY MANUFACTURER WITH INTERCONNECTING POWER WIRING.
7. E.C. SHALL PROVIDE SEPARATE 120V-1 PH CIRCUITS FOR 120/24V CONTROL TRANSFORMERS, TRANSFORMER BY M.C.
8. DISCONNECT SWITCH IS PART OF EQUIPMENT. UNIT IS PRE-WIRED AND ONLY REQUIRES CONNECTION TO DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR.
9. E.C. TO WIRE FROM DISCONNECT TO JUNCTION BOX / STARTER / PANEL.
10. E.C. SHALL PROVIDE SEPARATE 120V-1 PH CIRCUIT.
11. MOTORIZED, SMOKE, AND FIRE/SMOKE DAMPERS SHALL BE 24V AND IS CONSIDERED CONTROL WIRING. SEE SPECIFICATION SECTION 230500.
12. E.C. SHALL PROVIDE SEPARATE CIRCUIT TO FIELD MOUNTED COMBINATION STARTER AND SHALL FIELD WIRE FROM STARTER TO DISCONNECT AND MAKE FINAL CONNECTION TO MOTOR.
13. E.C. SHALL WIRE CONDENSATE PUMPS TO PREWIRED AIR CONDITIONING UNITS CIRCUIT.

REVISIONS



KEY PLAN

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02-09-2026

SEALS:

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architecture | engineering | interior design
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PROJECT TITLE:
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201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE: HVAC SCHEDULES
DRAWN BY: JAH
PROJECT NO.: 2025-151P
CHECKED BY: AJL
DRAWING NO.: M-600
DATE: 02-09-2026

CAD FILE: 5151-M600.DWG
PLOT DATE: 1/30/2026

VESTAL AFRICAN ROAD / VESTAL MIDDLE SCHOOL STEAM ADDITION VENTILATION RATE TABLE

Zone Identification			Standard Case: 2020 NYS Mech. Code Verification Rate Procedure											Design Case - Cooling		Design Case - Heating		Design Exhaust
Room or Zone	Occupancy Category	Area (sf)	People Outdoor Air Rate **Rp** (cfm/per)	Area Outdoor Air Rate **Ra** (cfm/sf)	Occupant Density (#/1000 sf)	Occupancy (# people) **Pz**	People OA CFM **Vpeo**	Area OA CFM - **Varea**	Breathing Zone Outdoor Air Flow **Vbz** (cfm)	Zone Air Distribution Effectiveness **Ez**	Zone Outdoor Air Flow **Voz** (cfm)	Code Required Exhaust Airflow Rate (cfm/sf) or (cfm/fixture)	Total Exhaust Required (cfm)	Zone Primary Air Flow **Vpz** (cfm)	Primary Outdoor Air Fraction **Zp** = Voz/Vpz	Zone Primary Air Flow **Vpz** (cfm)	Primary Outdoor Air Fraction **Zp** = Voz/Vpz	Total Exhaust Provided
RTU-1																		
Steam Lab	Educational Facilities - Wood/metal shop	1,420	10	0.18	20	29.0	290.0	255.6	546	0.8	682			2,000	0.34	1,000	0.68	
Storage	General - Storage rooms	335	0	0.12	0	0.0	0.0	40.2	40	0.8	50			350	0.14	175	0.29	
Corridor	General - Corridors	686	0	0.06	0	0.0	0.0	41.2	41	0.8	51			2,000	0.03	1,000	0.05	
					People Total:	**29**					**784**			**4350**		**2175**		
	SYSTEM LEVEL - Uncorrected OA																	
	Ps	System population, maximum simultaneous # of occupants of space served by system				24												
	D	Occupant diversity, ratio of system peak occupancy to sum of space peak occupancies, = Ps/ΣPz				0.83												
	Vou	Uncorrected outdoor air intake, = D*ΣRp*Pz +ΣRa*Az, cfm				577												
	Xs	Mixing ratio at primary air handler of uncorrected outdoor air intake to system primary flow, = Vou/Vps				0.13	Not used in calculation											
	SYSTEM LEVEL - SYSTEM EFFICIENCY CORRECTION																	
	Max Zp	Max Zp				0.68												
	Ev	System ventilation efficiency, Table 403.3.1.1.2.3.2 based on maxZp				0.40												
								Percent outdoor air intake										
	Vot (Corrected OA)	**Minimum outdoor air intake, Vou/Ev, cfm**				**1442**		**33%**	= Vot/Sum of Vpz									

Note: The purpose of the above schedule is to calculate the minimum ventilation needed per code. Refer to equipment schedules and sequences for actual ventilation rates, which meet or exceed values in this schedule.

VESTAL AFRICAN ROAD / VESTAL MIDDLE SCHOOL LIBRARY RENOVATIONS VENTILATION RATE TABLE

Zone Identification			Standard Case: 2020 NYS Mech. Code Verification Rate Procedure											Design Case - Cooling		Design Case - Heating		Design Exhaust
Room or Zone	Occupancy Category	Area (sf)	People Outdoor Air Rate **Rp** (cfm/per)	Area Outdoor Air Rate **Ra** (cfm/sf)	Occupant Density (#/1000 sf)	Occupancy (# people) **Pz**	People OA CFM **Vpeo**	Area OA CFM - **Varea**	Breathing Zone Outdoor Air Flow **Vbz** (cfm)	Zone Air Distribution Effectiveness **Ez**	Zone Outdoor Air Flow **Voz** (cfm)	Code Required Exhaust Airflow Rate (cfm/sf) or (cfm/fixture)	Total Exhaust Required (cfm)	Zone Primary Air Flow **Vpz** (cfm)	Primary Outdoor Air Fraction **Zp** = Voz/Vpz	Zone Primary Air Flow **Vpz** (cfm)	Primary Outdoor Air Fraction **Zp** = Voz/Vpz	Total Exhaust Provided
Existing AHU-13																		
Library L-208	Educational Facilities - Media center	3,650	10	0.12	25	92.0	920.0	438.0	1358	0.8	1698			5,775	0.29	5,775	0.29	
Staff Break Rm L-201	Office Buildings - Office space	847	5	0.06	5	5.0	25.0	50.8	76	0.8	95			1,000	0.09	1,000	0.09	
School Store L-204	Office Buildings - Office space	178	5	0.06	5	1.0	5.0	10.7	16	0.8	20			200	0.10	200	0.10	
Resource Room L-206	Educational Facilities - Classrooms (age 9 plus)	700	10	0.12	35	11.0	110.0	36.0	146	0.8	183			650	0.28	650	0.28	
Multi Media L-207	Educational Facilities - Media center	255	10	0.12	25	7.0	70.0	30.6	101	0.8	126			420	0.30	420	0.30	
Storage Closet L-213	General - Storage rooms	119	0	0.12	0	0.0	0.0	14.3	14	0.8	18			60	0.30	60	0.30	
Storage L-203	General - Storage rooms	316	0	0.12	0	0.0	0.0	39.5	39	0.8	49			200	0.25	200	0.25	
Math 206	Educational Facilities - Classrooms (age 9 plus)	786	10	0.12	35	28.0	280.0	94.3	374	0.8	468			2,475	0.19	2,475	0.19	
Computer Lab 207	Educational Facilities - Computer lab	783	10	0.12	25	20.0	200.0	94.0	294	0.8	367			1,960	0.19	1,960	0.19	
Classroom 208	Educational Facilities - Classrooms (age 9 plus)	786	10	0.12	35	28.0	280.0	94.3	374	0.8	468			1,960	0.24	1,960	0.24	
Classroom 209	Educational Facilities - Classrooms (age 9 plus)	786	10	0.12	35	28.0	280.0	94.3	374	0.8	468			1,970	0.24	1,970	0.24	
ALA Alt Learning 215C	Educational Facilities - Classrooms (age 9 plus)	304	10	0.12	35	11.0	110.0	36.5	146	0.8	183			500	0.37	500	0.37	
					People Total:	**231**					**4142**			**17170**		**17170**		

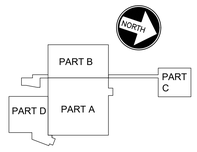
Note: The purpose of the above schedule is to calculate the minimum ventilation needed per code. Refer to equipment schedules and sequences for actual ventilation rates, which meet or exceed values in this schedule.

VESTAL AFRICAN ROAD / VESTAL MIDDLE SCHOOL CLASSROOM COOLING VENTILATION RATE TABLE

Zone Identification			Standard Case: IMC 2020 Verification Rate Procedure											Design Case - Cooling		Design Case - Heating		Design Exhaust
Room or Zone	Occupancy Category	Area (sf)	People Outdoor Air Rate **Rp** (cfm/per)	Area Outdoor Air Rate **Ra** (cfm/sf)	Occupant Density (#/1000 sf)	Occupancy (# people) **Pz**	People OA CFM **Vpeo**	Area OA CFM - **Varea**	Breathing Zone Outdoor Air Flow **Vbz** (cfm)	Zone Air Distribution Effectiveness **Ez**	Zone Outdoor Air Flow **Voz** (cfm)	Code Required Exhaust Airflow Rate (cfm/sf) or (cfm/fixture)	Total Exhaust Required (cfm)	Zone Primary Air Flow **Vpz** (cfm)	Primary Outdoor Air Fraction **Zp** = Voz/Vpz	Zone Primary Air Flow **Vpz** (cfm)	Primary Outdoor Air Fraction **Zp** = Voz/Vpz	Total Exhaust Provided
UV-159																		
Classroom 159	Educational Facilities - Classrooms (age 9 plus)	782	10	0.12	35	28.0	280.0	93.8	374	0.9	415			1,500	0.28	1,500	0.28	
					People Total:	**28**					**415**			**1500**		**1500**		
UV-160																		
Classroom 160	Educational Facilities - Classrooms (age 9 plus)	874	10	0.12	35	31.0	310.0	104.9	415	0.9	461			1,500	0.31	1,500	0.31	
					People Total:	**31**					**461**			**1500**		**1500**		
UV-161																		
Classroom 161	Educational Facilities - Classrooms (age 9 plus)	789	10	0.12	35	28.0	280.0	94.7	375	0.9	416			1,500	0.28	1,500	0.28	
					People Total:	**28**					**416**			**1500**		**1500**		
UV-242																		
Classroom 242	Educational Facilities - Classrooms (age 9 plus)	782	10	0.12	35	28.0	280.0	93.8	374	0.9	415			1,500	0.28	1,500	0.28	
					People Total:	**28**					**415**			**1500**		**1500**		
UV-243																		
Classroom 243	Educational Facilities - Classrooms (age 9 plus)	871	10	0.12	35	31.0	310.0	104.5	415	0.9	461			1,500	0.31	1,500	0.31	
					People Total:	**31**					**461**			**1500**		**1500**		
UV-244																		
Classroom 244	Educational Facilities - Classrooms (age 9 plus)	790	10	0.12	35	28.0	280.0	94.8	375	0.9	416			1,500	0.28	1,500	0.28	
					People Total:	**28**					**416**			**1500**		**1500**		

Note: The purpose of the above schedule is to calculate the minimum ventilation needed per code. Refer to equipment schedules and sequences for actual ventilation rates, which meet or exceed values in this schedule.

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND
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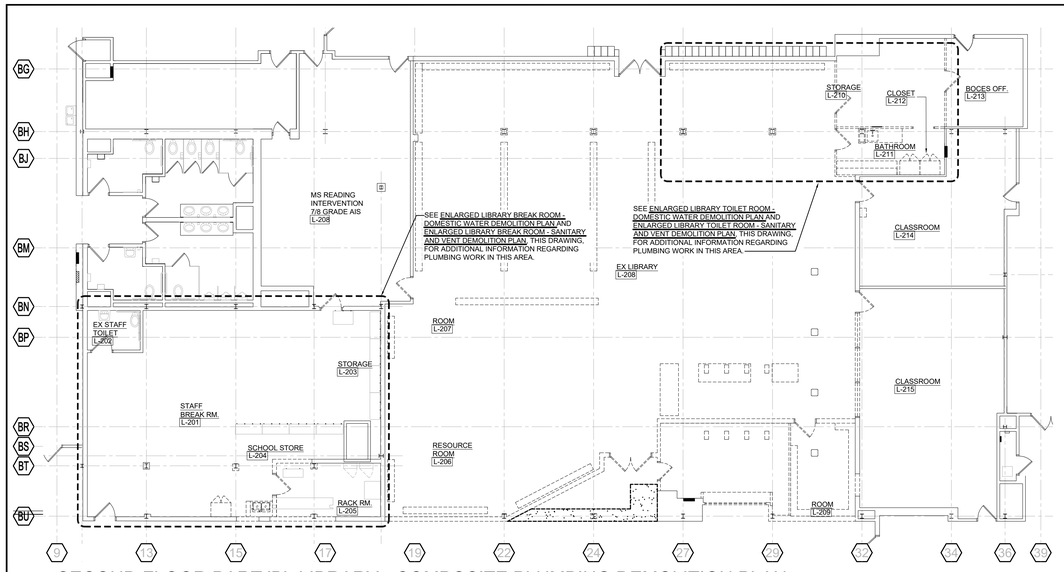
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
HVAC SCHEDULES

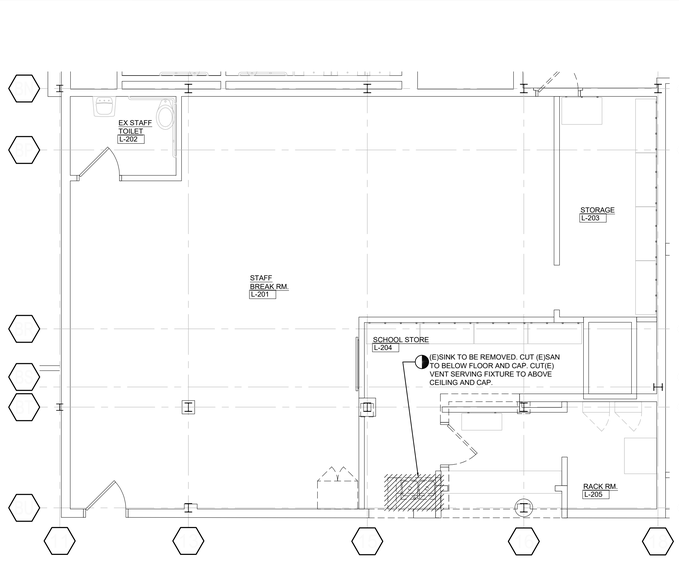
DRAWN BY:	PROJECT NO.:
JAH	2025-151P
CHECKED BY:	DRAWING NO.:
AJL	M-601
DATE:	
02-09-2026	

CAD FILE: FSW-M01.DWG
PLOT DATE: 1/2/2026



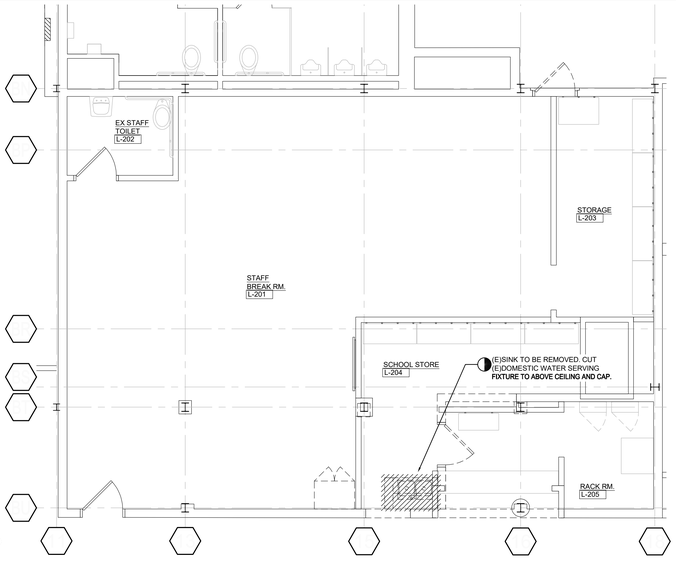
SECOND FLOOR PART 'B'- LIBRARY - COMPOSITE PLUMBING DEMOLITION PLAN

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



SECOND FLOOR PART 'B'- LIBRARY - SANITARY DEMOLITION PLAN

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



SECOND FLOOR PART 'B'- LIBRARY - DOMESTIC WATER DEMOLITION PLAN

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

SECOND FLOOR PART 'B'- LIBRARY - SANITARY DEMOLITION PLAN

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

SECOND FLOOR PART 'B'- LIBRARY - DOMESTIC WATER DEMOLITION PLAN

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

REVISIONS

KEY PLAN

BID DOCUMENTS
02-09-2026

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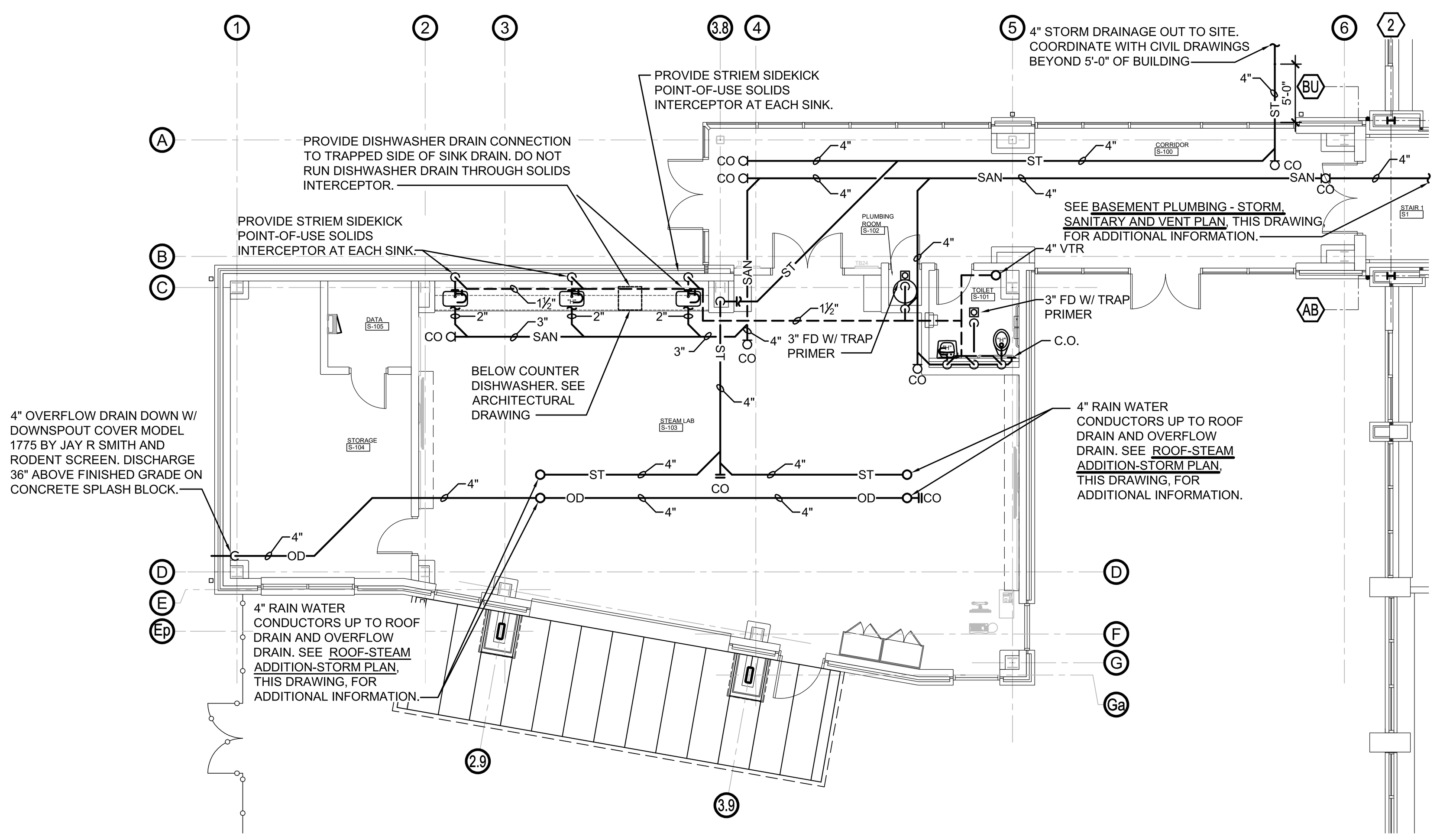
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
SECOND FLOOR
PART B - DEMOLITION
PLUMBING PLANS

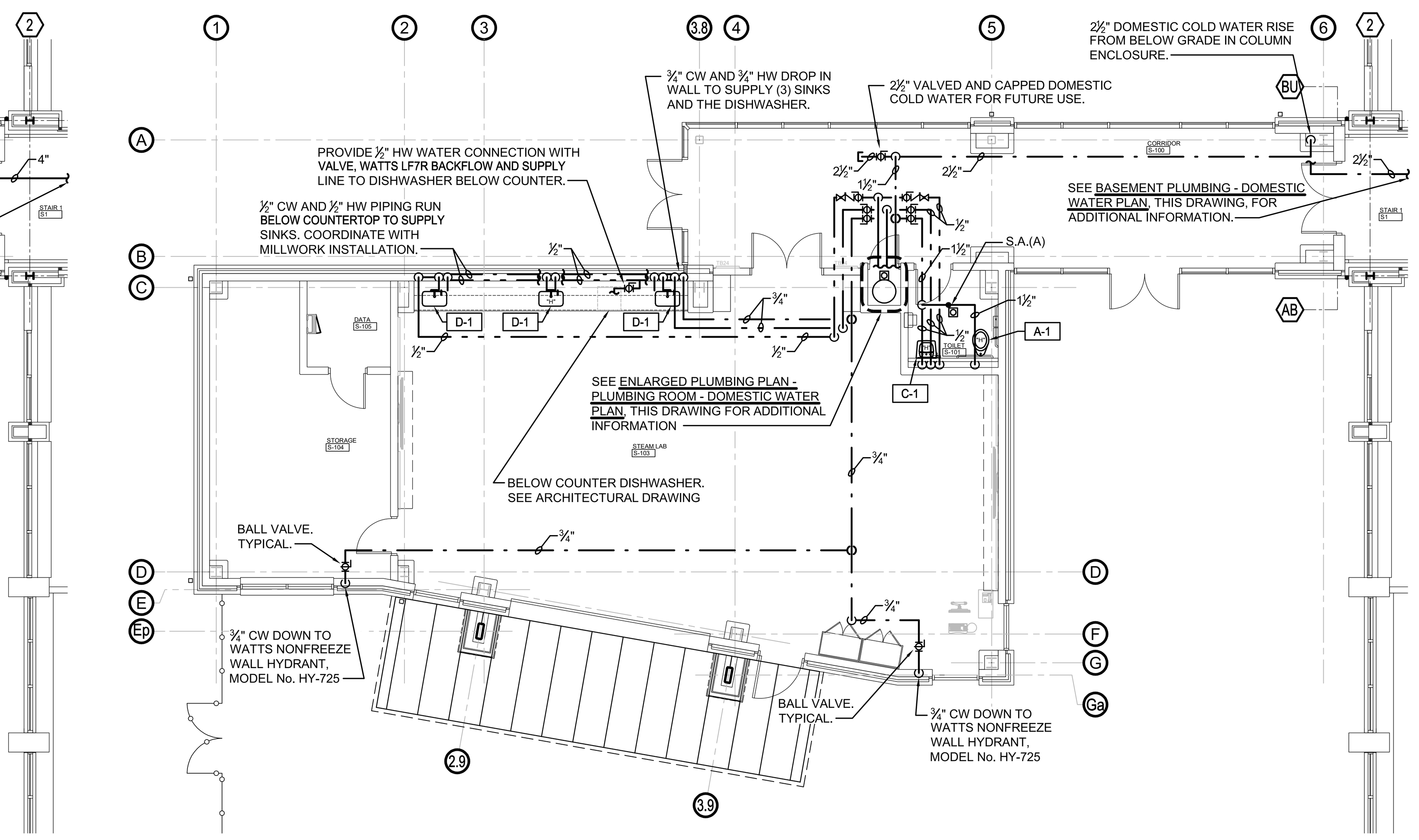
DRAWN BY: BAM	PROJECT NO.: 2025-151P
CHECKED BY: AJL	DRAWING NO.: PD-101
DATE: 02-09-2026	

DATE PLOTTED: 2/9/2026



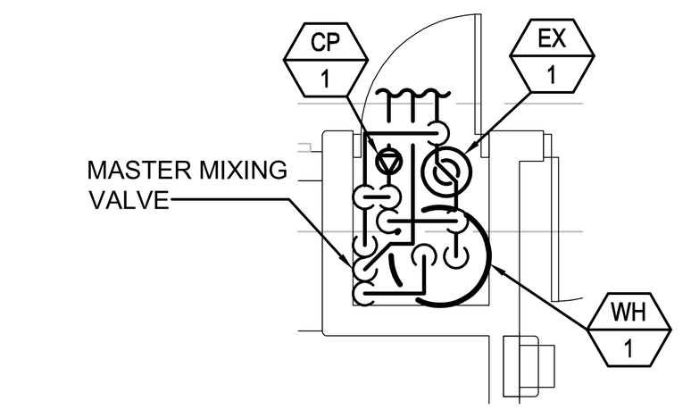
FIRST FLOOR - STEAM ADDITION - PLUMBING - STORM, SANITARY AND VENT PLAN

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



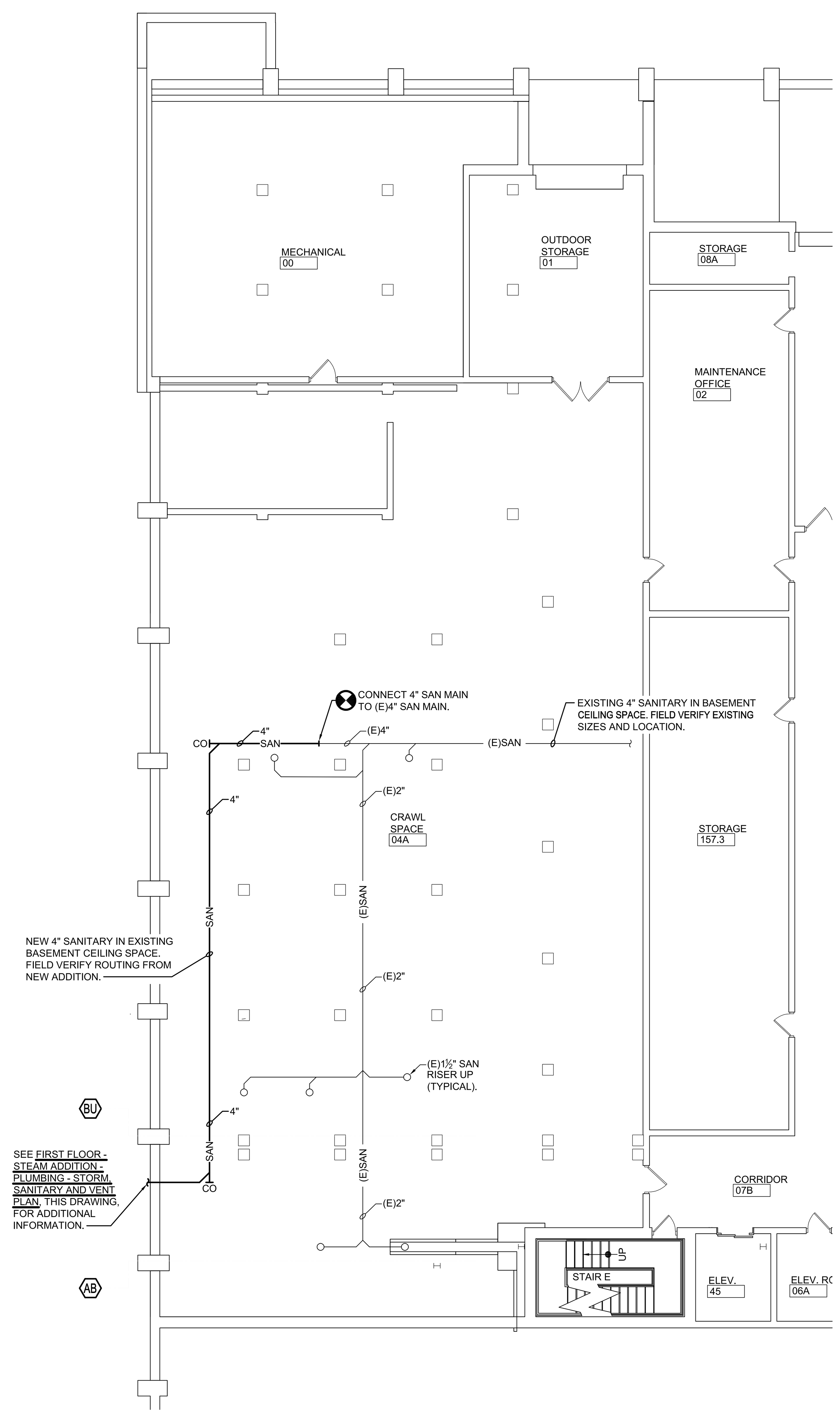
FIRST FLOOR - STEAM ADDITION - PLUMBING - DOMESTIC WATER PLAN

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



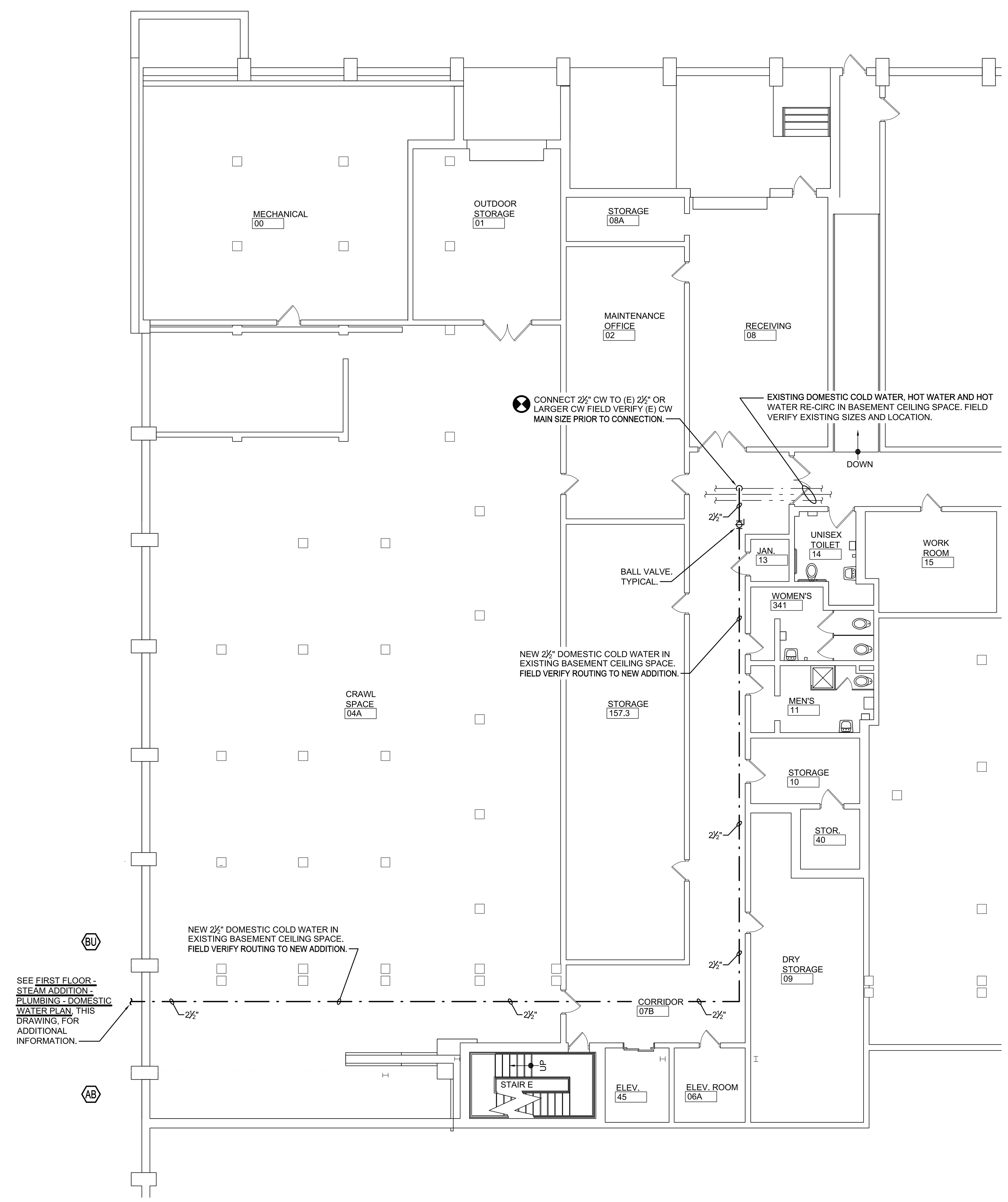
ENLARGED PLUMBING PLAN - PLUMBING ROOM - DOMESTIC WATER PLAN

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



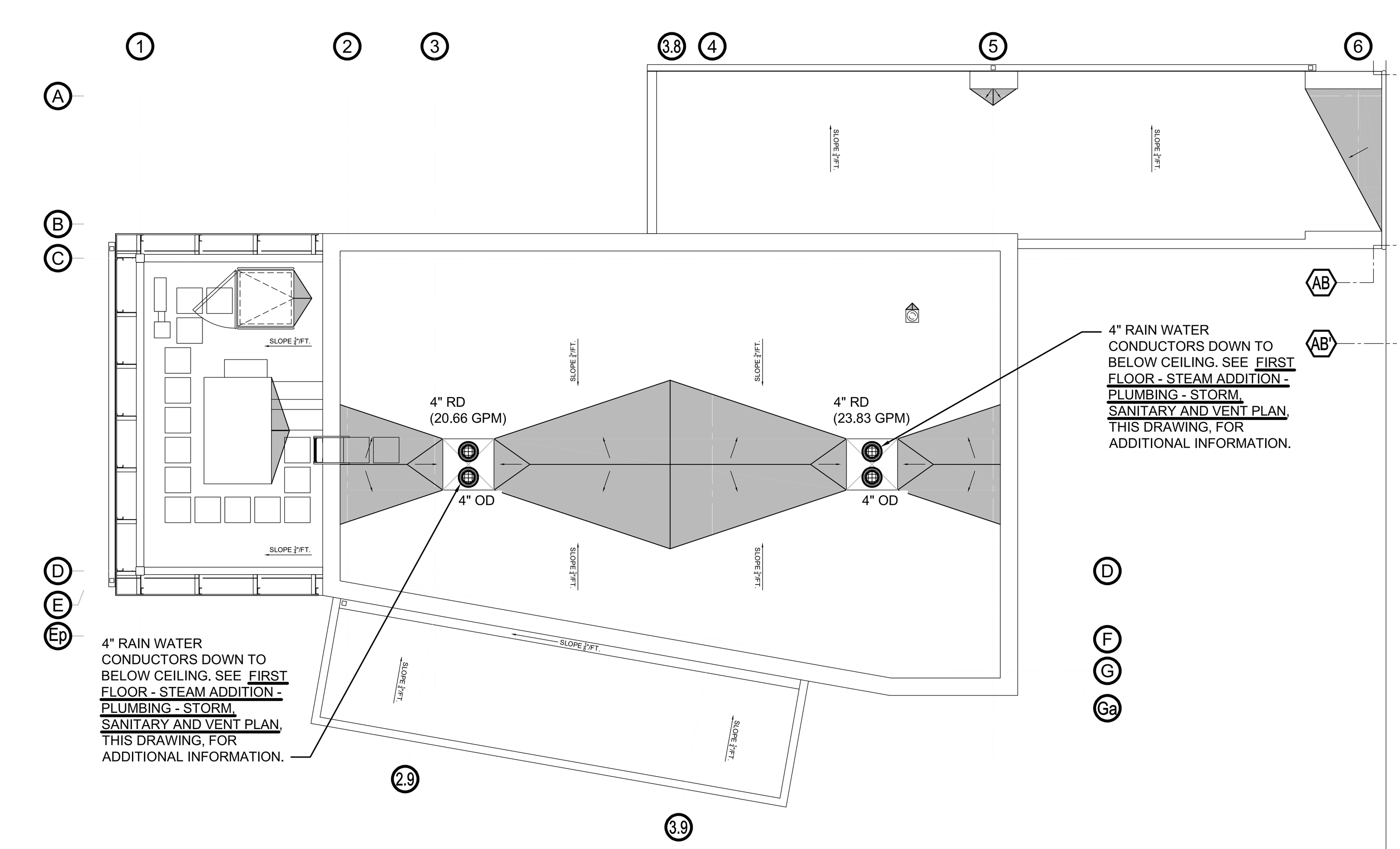
BASEMENT - PLUMBING - STORM, SANITARY AND VENT PLAN

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



BASEMENT - PLUMBING - DOMESTIC WATER PLAN

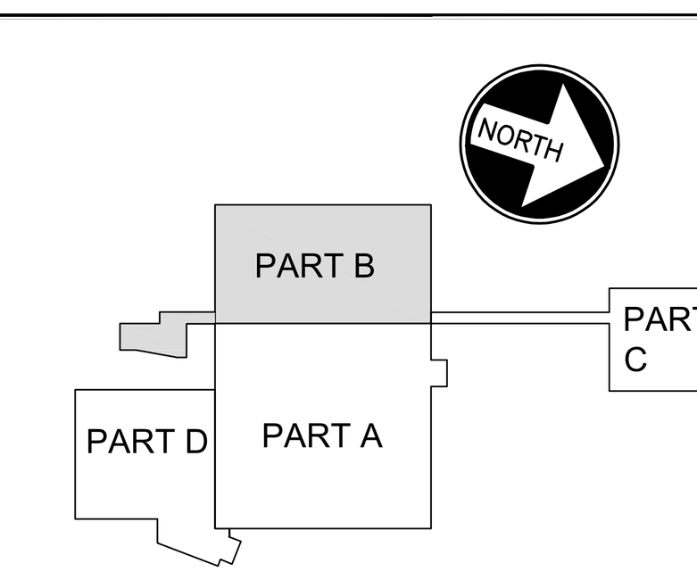
SCALE: 1/8"=1'-0"



ROOF - STEAM ADDITION - STORM PLAN

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

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND ASSOCIATES
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PROJECT TITLE:

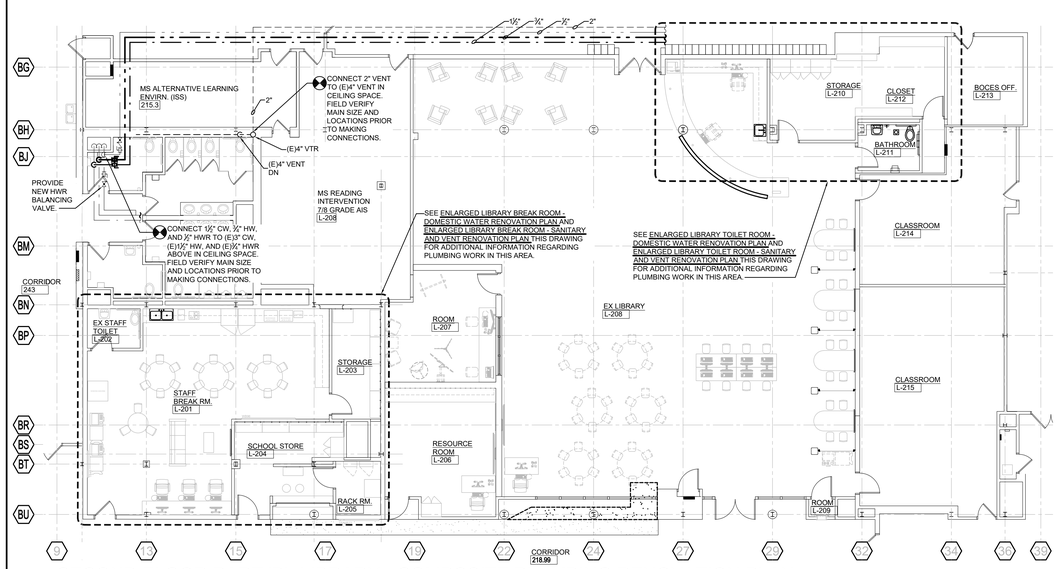
Vestal

201 Main Street | Vestal, NY 13850

2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

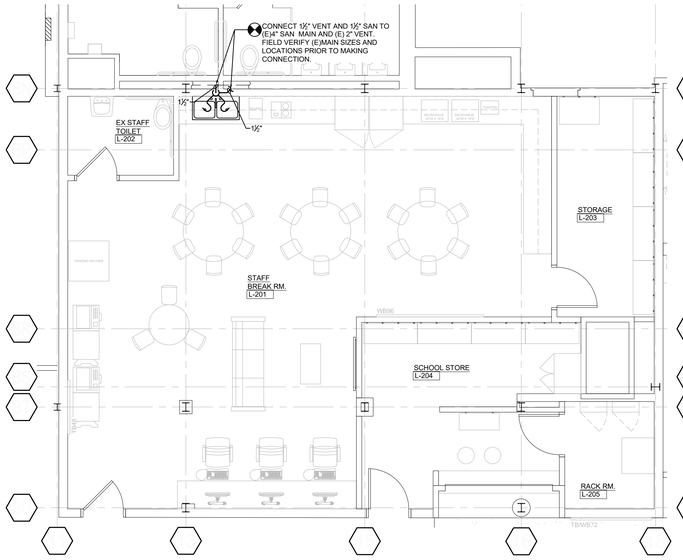
DRAWING TITLE:
STEAM ADDITION PLUMBING PLAN

DRAWN BY:	PROJECT NO.:
BAM	2025-151P
CHECKED BY:	DRAWING NO.:
AJL	P-100
DATE:	
02-09-2026	



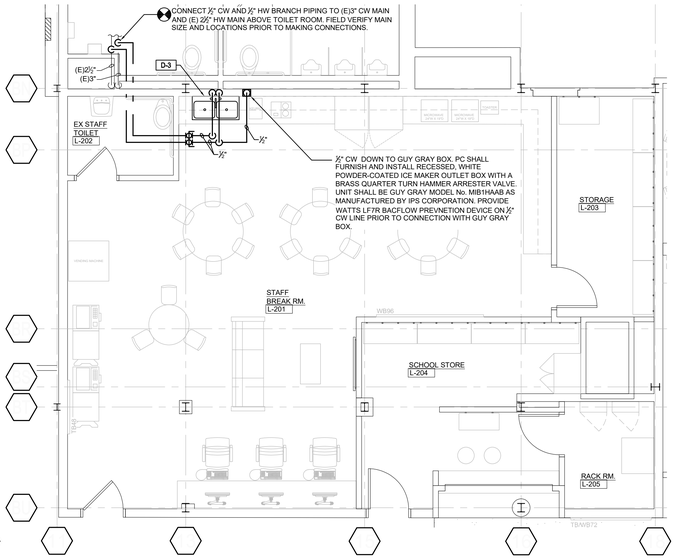
SECOND FLOOR PART 'B'- LIBRARY - COMPOSITE PLUMBING RENOVATION PLAN

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



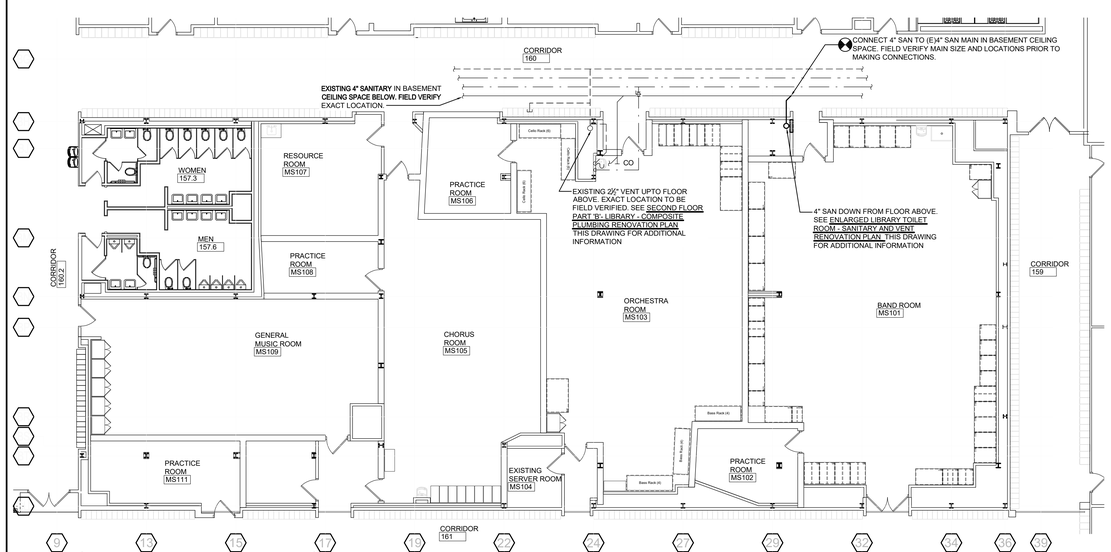
ENLARGED LIBRARY BREAK ROOM- SANITARY RENOVATION PLAN

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



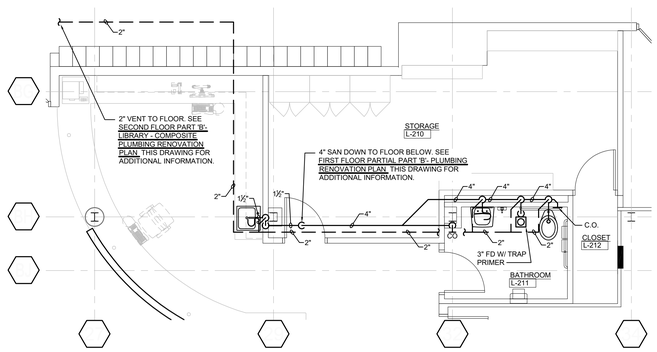
ENLARGED LIBRARY BREAK ROOM- DOMESTIC WATER RENOVATION PLAN

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



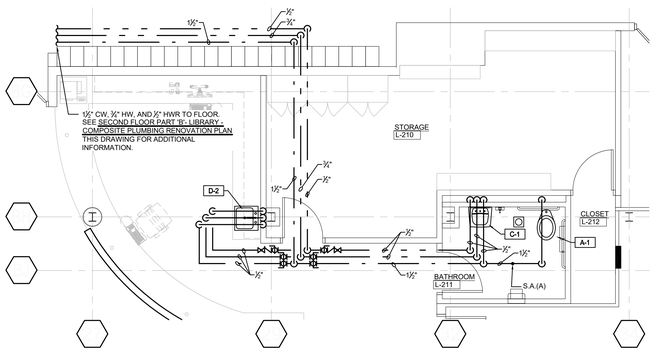
FIRST FLOOR PARTIAL PART 'B'- PLUMBING RENOVATION PLAN

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



ENLARGED LIBRARY TOILET ROOM- SANITARY RENOVATION PLAN

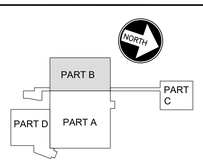
SCALE: 1/4"=1'-0"



ENLRAGED LIBRARY TOILET ROOM - DOMESTIC WATER RENOVATION PLAN

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

REVISIONS



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Vestal Central School District
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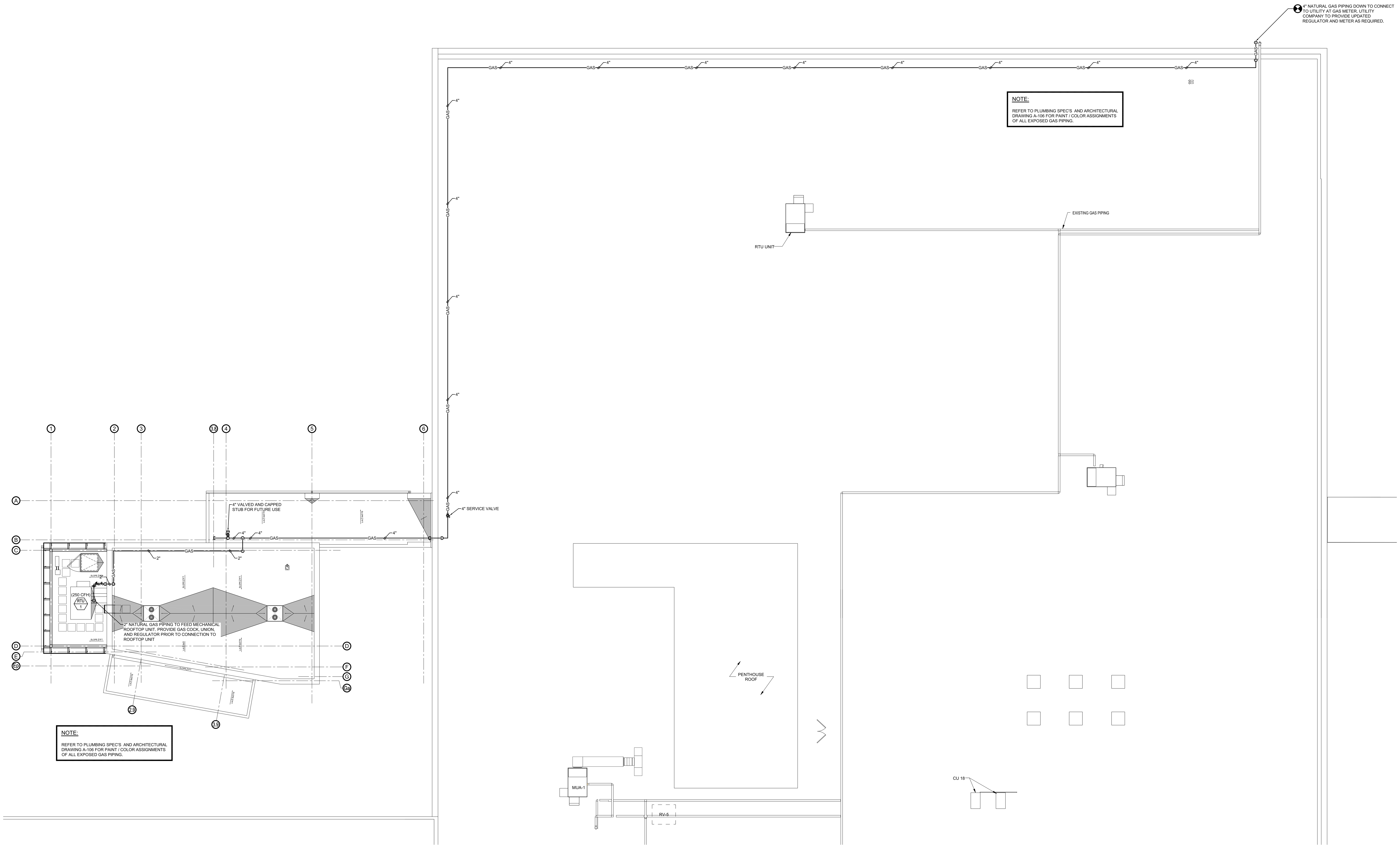
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
SECOND FLOOR
PART B - RENOVATION
PLUMBING PLANS

DRAWN BY: BAM	PROJECT NO.: 2025-151P
CHECKED BY: AJL	DRAWING NO.: P-101
DATE: 02-09-2026	

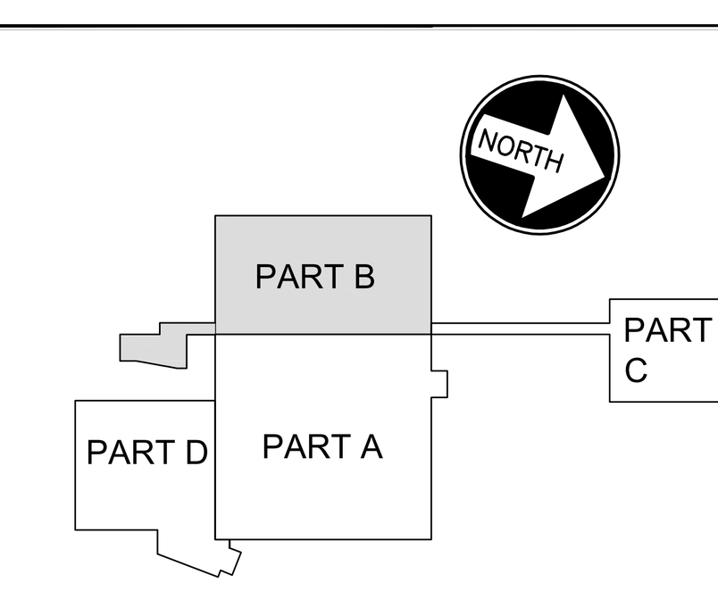
CAD FILE:
PLOT DATE:



ROOF - NATURAL GAS PLAN

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

REVISIONS



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2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
NATURAL GAS RENOVATION PLAN

DRAWN BY: BAM	PROJECT NO.: 2025-151P
CHECKED BY: AJL	DRAWING NO.: P-102
DATE: 02-09-2026	

PLUMBING GENERAL NOTES

1. ALL PLUMBING WORK SHALL BE DONE IN ACCORDANCE WITH THE NEW YORK STATE CODES, OSHA, NFPA, THE OWNER'S INSURANCE UNDERWRITERS REQUIREMENTS AND LOCAL CODES AND REGULATIONS.
2. ALL PIPING EXITING THE BUILDING SHALL BE AT A MINIMUM 0F 48" BELOW FINISHED GRADE. SEE STRUCTURAL FOUNDATION PLANS
3. ALL PLUMBING PIPING SHALL BE RUN TIGHT TO THE STRUCTURE AND RACKED ALONG WALLS WITH A STANDARD PIPE HANGING/RACKING SYSTEM. PIPING SHALL BE RUN CLEAR OF ALL DOORS AND WINDOWS.
4. ALL SANITARY, VENT AND STORM WATER DRAIN PIPING SHALL SLOPE AT A MINIMUM OF 1/8" PER FOOT UNLESS OTHERWISE NOTED. 2-1/2" AND SMALLER PIPE SHALL BE SLOPED AT 1/4" PER FOOT.
5. PROVIDE ALLOWANCE FOR OFFSETS WHERE SANITARY, STORM AND VENT RISERS INTERFERE WITH BUILDING STEEL OR ANY OTHER OBSTRUCTIONS.
6. PROVIDE ALLOWANCE FOR ALL PLUMBING PIPING FOR ADDITIONAL OFFSETS TO AVOID INTERFERENCES WITH MECHANICAL, ELECTRICAL, AND ARCHITECTURAL EQUIPMENT AND SYSTEMS.
7. WHERE DOMESTIC WATER PIPING IS LOCATED ON AN EXTERIOR WALL, IT SHALL BE RUN ON THE INSIDE (WARM SIDE) OF INSULATION VAPOR BARRIER OR FACING WITHIN EXTERIOR WALLS. PIPING SHALL NOT RUN THRU THE INSULATION. COORDINATE WITH OTHER TRADES INSTALLATION OF INSULATION.
8. THESE DRAWINGS ARE DIAGRAMMATIC. PLUMBING CONTRACTOR SHALL COORDINATE ACTUAL LOCATIONS OF PIPING AND EQUIPMENT UNLESS DIMENSIONS ARE SPECIFICALLY CALLED OUT.
9. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE ACTUAL ROUTING OF HIS PIPING WITH THE ARCHITECTURAL CEILINGS, HVAC PIPING, DUCTWORK AND EQUIPMENT, ELECTRICAL LIGHTING, CONDUIT AND EQUIPMENT, AND FIRE PROTECTION PIPING AND VALVES.
10. COORDINATE WITH STRUCTURAL STEEL FABRICATOR/INSTALLER ALL FRAMED OPENINGS IN ROOF WITH SUCH AS (BUT NOT LIMITED TO) ROOF DRAINS, VENT STACKS, EXHAUST FANS ETC.
11. EXACT SIZES AND EXACT LOCATIONS OF ALL OPENINGS ARE TO BE VERIFIED WITH THE APPROVED SHOP DRAWINGS ISSUED FOR THE INSTALLATION. THE EXACT SIZES SHALL BE COORDINATED PRIOR TO ANY FABRICATION AND INSTALLATION BY ANY/ALL TRADES. (SIZES AND LOCATIONS INDICATED ON CONTRACT ARE DRAWINGS ARE DIAGRAMMATIC AND FOR INFORMATION ONLY).
12. INFORMATION PERTAINING TO EXISTING STRUCTURES, FACILITIES, AND UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS PROVIDED BY THE OWNER OR WHEN POSSIBLE, BY SURVEY. THE LOCATIONS SHOWN, THEREFORE, MUST BE CONSIDERED APPROXIMATE. OTHER SUCH WORK MAY EXIST, DUE TO LOCATION, SIZE, ETC, NOT PRESENTLY KNOWN.
13. ANY FABRICATION AND/OR INSTALLATION WHICH HAS NOT BEEN PROPERLY COORDINATED WITH APPROVED EQUIPMENT MANUFACTURER AND MUST BE REPAIRED, RELOCATED, ALTERED, REPLACED, RE-INSTALLED OR MODIFIED IN ANY MANNER WILL BE DONE TO THE SATISFACTION OF THE OWNER WITH NO ADDITIONAL COST TO THE OWNER OR DESIGN PROFESSIONAL.
14. ALL PLUMBING EQUIPMENT INCLUDING, BUT NOT LIMITED TO, WATER HEATERS, BASE MOUNTED PUMPS, COMPRESSORS, TANKS ETC SHALL BE MOUNTED ON A 4" HIGH CONCRETE PAD. PAD SHALL EXTEND 3" PAST EQUIPMENT IN ALL DIRECTIONS UNLESS OTHERWISE NOTED.
15. ALL PIPE PENETRATION SEALING ON THE INTERIOR OF THE BUILDING SHALL BE FURNISHED AND INSTALLED AS PER PROJECT SPECIFICATIONS. ALL PIPE PENETRATIONS SHALL BE FURNISHED AND INSTALLED AS AN APPROVED UL ASSEMBLY.
16. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH PHASING PLANS. PIPING RUNNING THRU ONE PHASE TO SERVE ANOTHER SHALL BE PROVIDED WITH VALVING AND CAPPING SO AS NOT TO HAVE TO ENTER EACH PHASED AREA WHEN PHASE IN COMPLETED.
17. THIS CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO AND/OR ROUTING FROM THE LOCATIONS SHOWN ON THE PLANS TO THE EQUIPMENT OR FIXTURES. COORDINATE INSTALLATION WITH MILLWORK AND EQUIPMENT.
18. COORDINATE ALL VALVES LOCATED IN THE CEILING WITH DIFFUSERS, LIGHTS, SPEAKERS, A/V EQUIPMENT, ETC., TO BE IN AN ACCESSIBLE LOCATION.
19. EXPANSION LOOPS TO BE PROVIDED ON ALL WATER PIPING OVER 100FT OF STRAIGHT RUN. PROVIDE ALL REQUIRED PIPING GUIDES, ANCHORS, SUPPORTS, AND FITTINGS FOR ALL EXPANSION LOOPS PER THE SPECIFICATIONS.
20. PROVIDE EXPANSION COMPENSATION AT BUILDING EXPANSION JOINTS FOR ALL PIPING. REFER TO STRUCTURAL AND ARCHITECTURAL CONTACT DRAWINGS FOR EXPANSION JOINT INFORMATION.
21. ALL RAINWATER CONDUCTORS AND SANITARY STACKS SHALL BE PROVIDED WITH CLEANOUTS AT THE BASE OF THE STACK UNLESS NOTED OTHERWISE. COORDINATE WITH THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER.

PLUMBING LEGEND

SYMBOL	DESCRIPTION	ABBREVIATION
SAN	SOIL OR WASTE PIPE - SANITARY	SAN
	VENT PIPE	
	COLD WATER	CW
	HOT WATER	HW
	HOT WATER RETURN	HWR
OW	ORGANIC WATER	OW
PW	PROCESS WATER	PW
PG	PROPANE GAS	PG
AP OR	ACCESS PANEL	

SYMBOL	DESCRIPTION	ABBREVIATION
	GATE VALVE	G.V.
	BALL VALVE	B.V.
	BALANCING VALVE	BALV.
	SWING CHECK VALVE	C.V.
	MIXING VALVE	M.V.
	CAPPED / PLUGGED CONNECTION	
C.O.	CLEAN-OUT (EXPOSED)	C.O.
C.O.	CLEAN-OUT (IN FLOOR)	C.O.
OR	"P" TRAP	
	GAS COCK	
	SHOCK ABSORBER	S.A.
	FLOOR DRAIN	F.D.

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	DRAINAGE			WATER			REMARKS
		WASTE	VENT	DFU	CW	HW	WSFU	
A-1	WATER CLOSET	4"	2"	6.0	1½"	-----	10.0	FLOOR MOUNTED ELONGATED VITREOUS CHINA WATER CLOSET WITH 1.6 GPF FLUSH VALVE (REGULAR USE)
C-1	LAVATORY (WALL HUNG)	1½"	1½"	1.0	½"	½"	0.75	WALL HUNG VITREOUS CHINA LAVATORY WITH WITH WIDE SPREAD FAUCET MOUNT (HANDICAPPED USE)
D-1	SINK	1½"	1½"	1.0	½"	½"	0.75	SINGLE BOWL INTEGRAL WITH COUNTERTOP WITH WIDE SPREAD FAUCET (HANDICAPPED USE)
D-2	SINK	1½"	1½"	1.0	½"	½"	0.75	SINGLE BOWL STAINLESS STEEL COUNTER TOP SINK WITH SWIVEL SPOUT FAUCET (HANDICAPPED USE)
D-3	SINK	1½"	1½"	1.0	½"	½"	0.75	DOUBLE BOWL STAINLESS STEEL COUNTER TOP SINK WITH SWIVEL SPOUT FAUCET (HANDICAPPED USE)

NOTE: FLUSH VALVES FOR ADA WATER CLOSETS SHALL HAVE THE HANDLE ON THE WIDE SIDE OF THE STALL. PROVIDE THE APPROPRIATE CONFIGURATION ACCORDINGLY

WH WATER HEATER SCHEDULE

TAG	MFGR / MODEL	ELECTRICAL			STORAGE CAPACITY (STORAGE)	COLD WATER INLET	HOT WATER OUTLET	RECOVERY (GPH) 100°F RISE	REMARKS
		WATTS / WATTS	VOLTAGE	FLA					
WH 1	BRADFORD WHITE / LE240LN3-3	2000 / 2000	208 / 1ϕ		37.0	¾"	¾"	8	ENERGY EFFICIENT COMMERCIAL ELECTRIC WATER HEATER WITH SIMULTANEOUS WIRING. COORDINATE WITH ELECTRICAL DRAWINGS.

CP IN-LINE CIRCULATOR PUMP SCHEDULE

TAG	MANUFACTURER	MODEL	FLANGE SIZE	GPM	HEAD FT	HP	VOLTS/PHASE	REMARKS
CP 1	BELL & GOSSETT	PL-55B	¾"	5.0	15	2/5	115/1	CIRCULATING PUMP - HWR. ALL BRONZE (LEAD-FREE) CONST.

EX EXPANSION TANK SCHEDULE

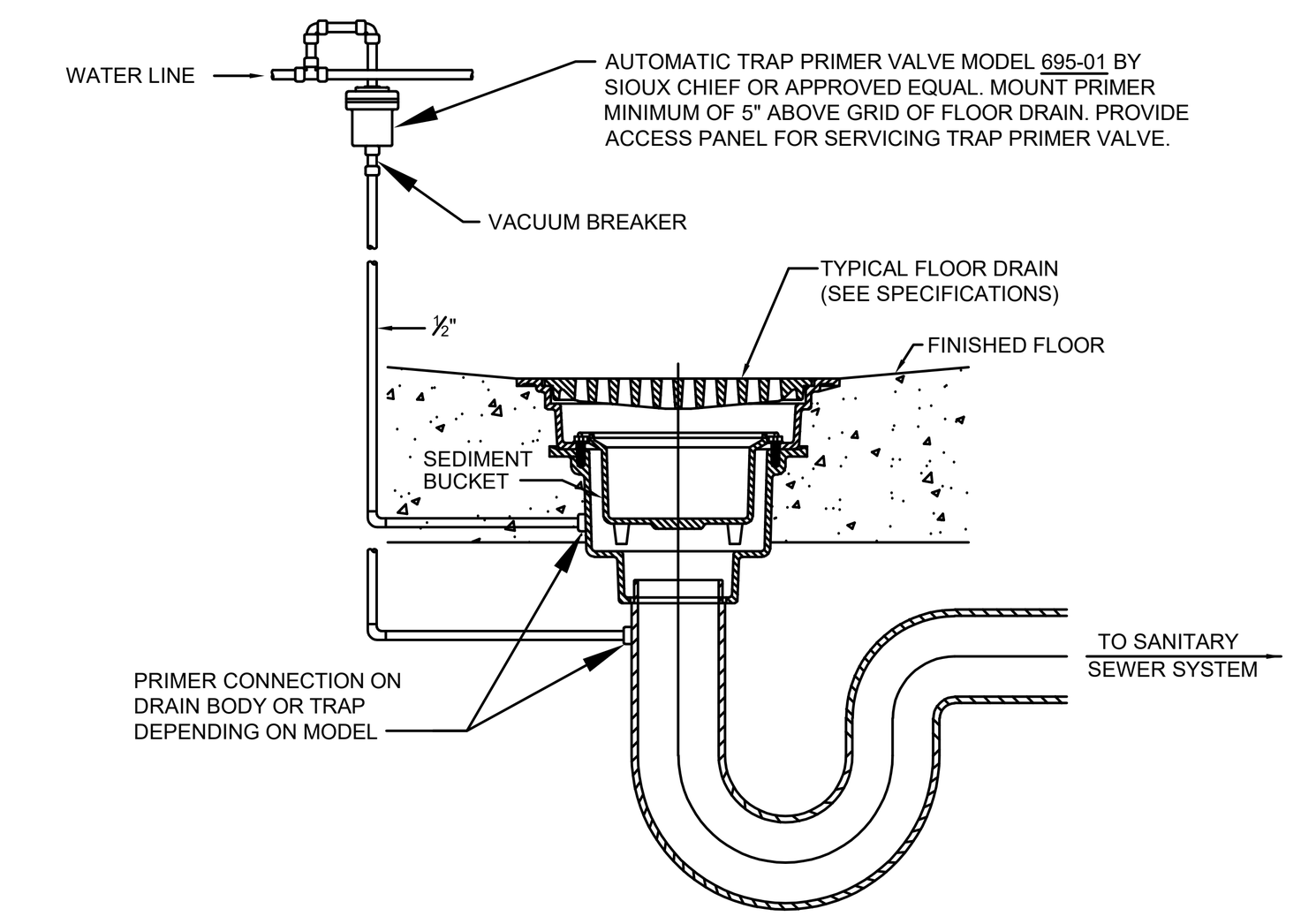
TAG	MANUFACTURER	MODEL	TOTAL VOLUME (GALLON)	MAXIMUM ACCEPTANCE FACTOR	DIMENSIONS	SYSTEM CONNECTION	REMARKS
EX 1	AMTROL / THERM-X-TROL	ST-5C-DD	2.0	0.45	8" D x 14" H	¾"	

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)				
	CONDUCTIVITY Btu * in./(h * ft^2 * °F)	MEAN RATING TEMPERATURE, °F	< 1	1 TO < 1-1/2	1-1/2 TO < 4	4 TO < 8	> OR = 8
> 350	0.32 - 0.34	250	4.5	5.0	5.0	5.0	5.0
251 - 350	0.29 - 0.32	200	3.0	4.0	4.5	4.5	4.5
201 - 250	0.27 - 0.30	150	2.5	2.5	2.5	3.0	3.0
141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0	2.0
105 - 140	0.21 - 0.28	100	1.0	1.0	1.5	1.5	1.5
40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0	1.0
< 40	0.20 - 0.26	50	0.5	1.0	1.0	1.0	1.5

SIZING CHART FOR SHOCK ABSORBERS (S.A.)

P.D.I. SYMBOLS	A	B	C	D	E	F
FIXTURE UNIT RATING	1 - 11	12 - 32	33 - 60	61 - 113	114 - 154	155 - 330

NOTE: PROVIDE ACCESS PANELS WHERE SHOCK ABSORBERS CANNOT BE INSTALLED IN AN ACCESSIBLE LOCATION (SUCH AS ABOVE A LAY-IN CEILING).

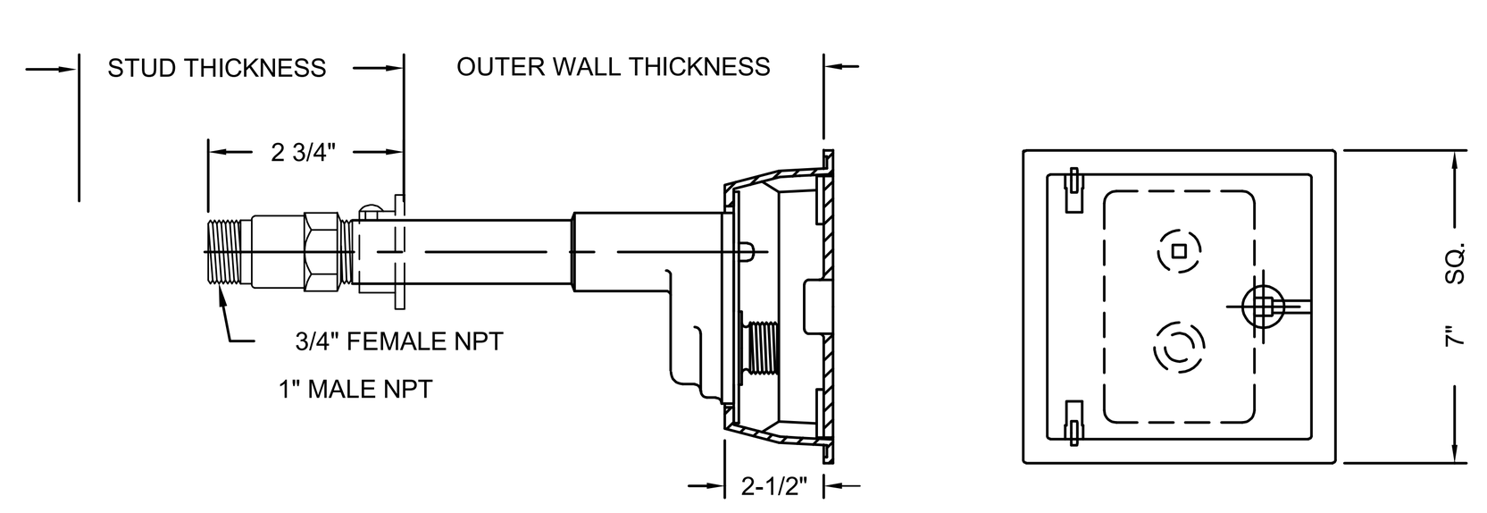


TRAP PRIMER DISTRIBUTOR SCHEDULE

MODEL No	DESCRIPTION	MANUFACTURE	REMARKS
695-Y52	WYE SPLITTER (2) ½" MIP BRANCHES	SIOUX CHIEF CO.	USE w/ TRAP PRIMER DISTRIBUTORS TO SERVICE UP TO 8 TRAPS FROM A SINGLE TRAP PRIMER
695-D20	DISTRIBUTOR (2) ¼" MALE SWEAT BRANCHES	SIOUX CHIEF CO.	
695-D30	DISTRIBUTOR (3) ¼" MALE SWEAT BRANCHES	SIOUX CHIEF CO.	
695-D20	DISTRIBUTOR (4) ¼" MALE SWEAT CONNECTIONS	SIOUX CHIEF CO.	

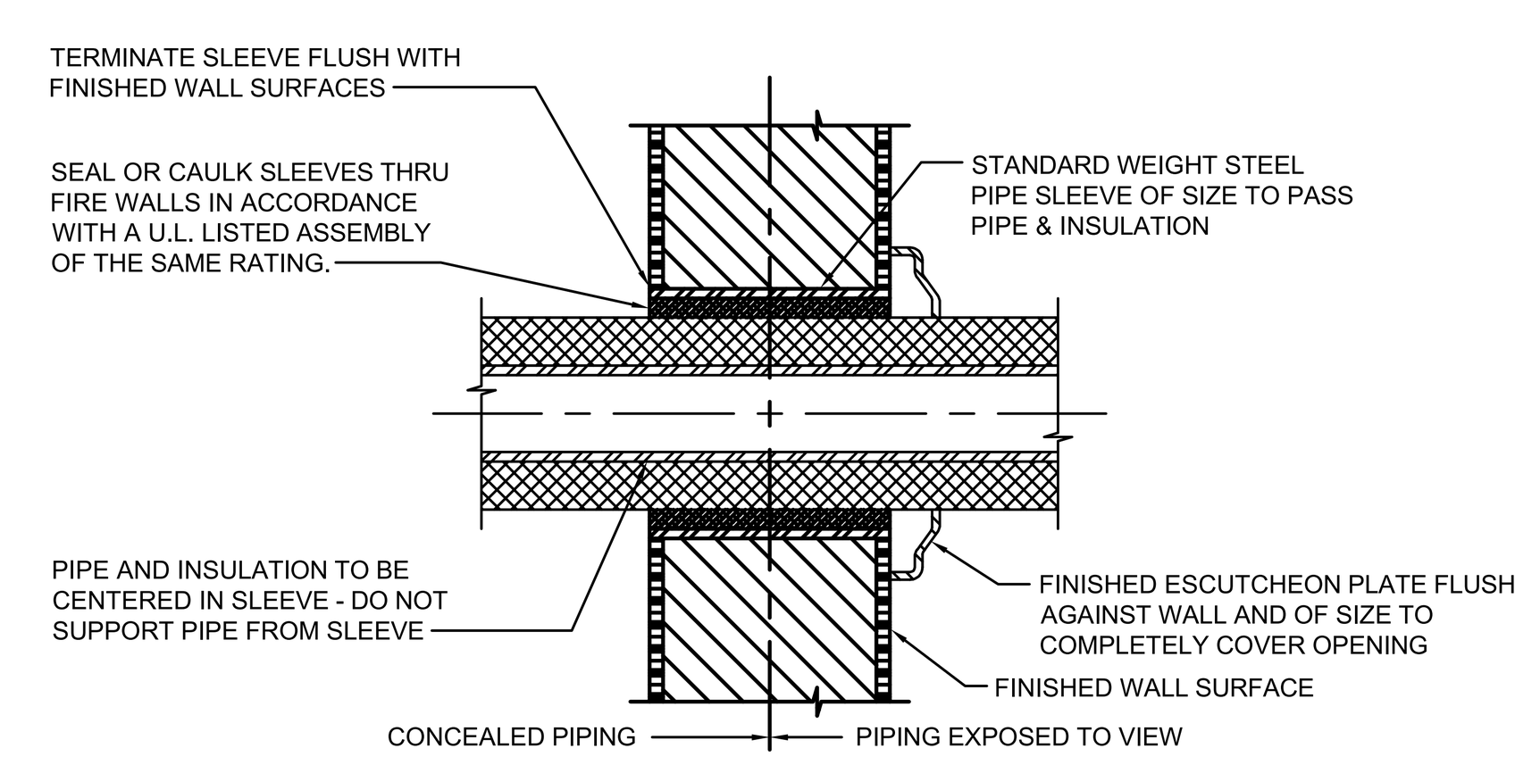
FLOOR DRAIN, PIPE & TRAP PRIMER CONNECTION DETAIL

NOT TO SCALE



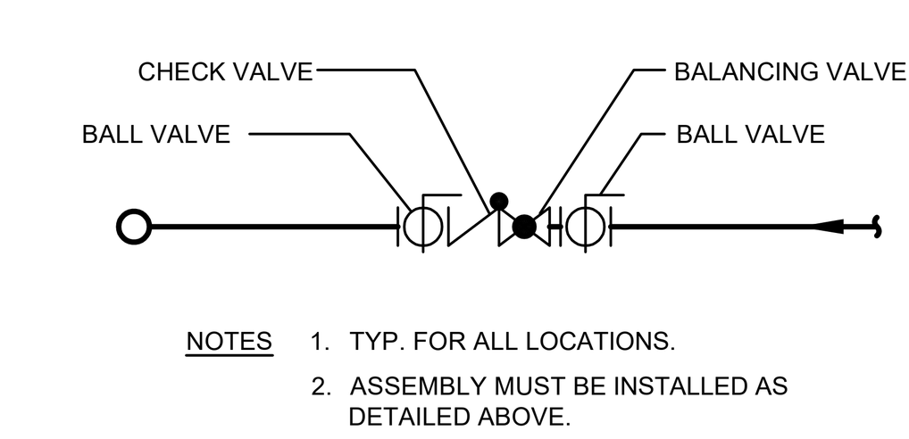
NON-FREEZE WALL HYDRANT DETAIL

NOT TO SCALE



PIPE SLEEVES THRU WALL

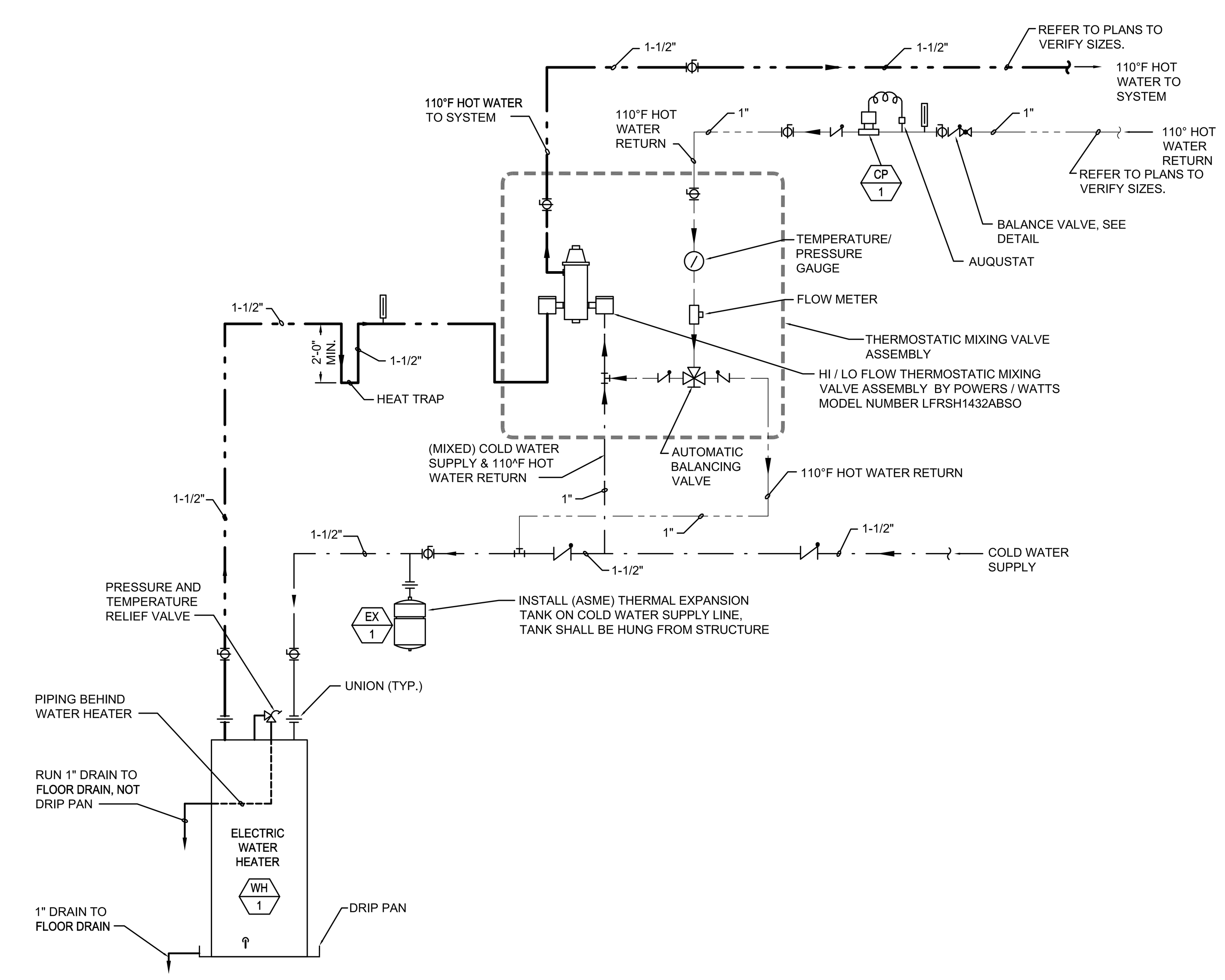
NOT TO SCALE



NOTES 1. TYP. FOR ALL LOCATIONS.
2. ASSEMBLY MUST BE INSTALLED AS DETAILED ABOVE.

HOT WATER RETURN VALVING SCHEMATIC

NOT TO SCALE



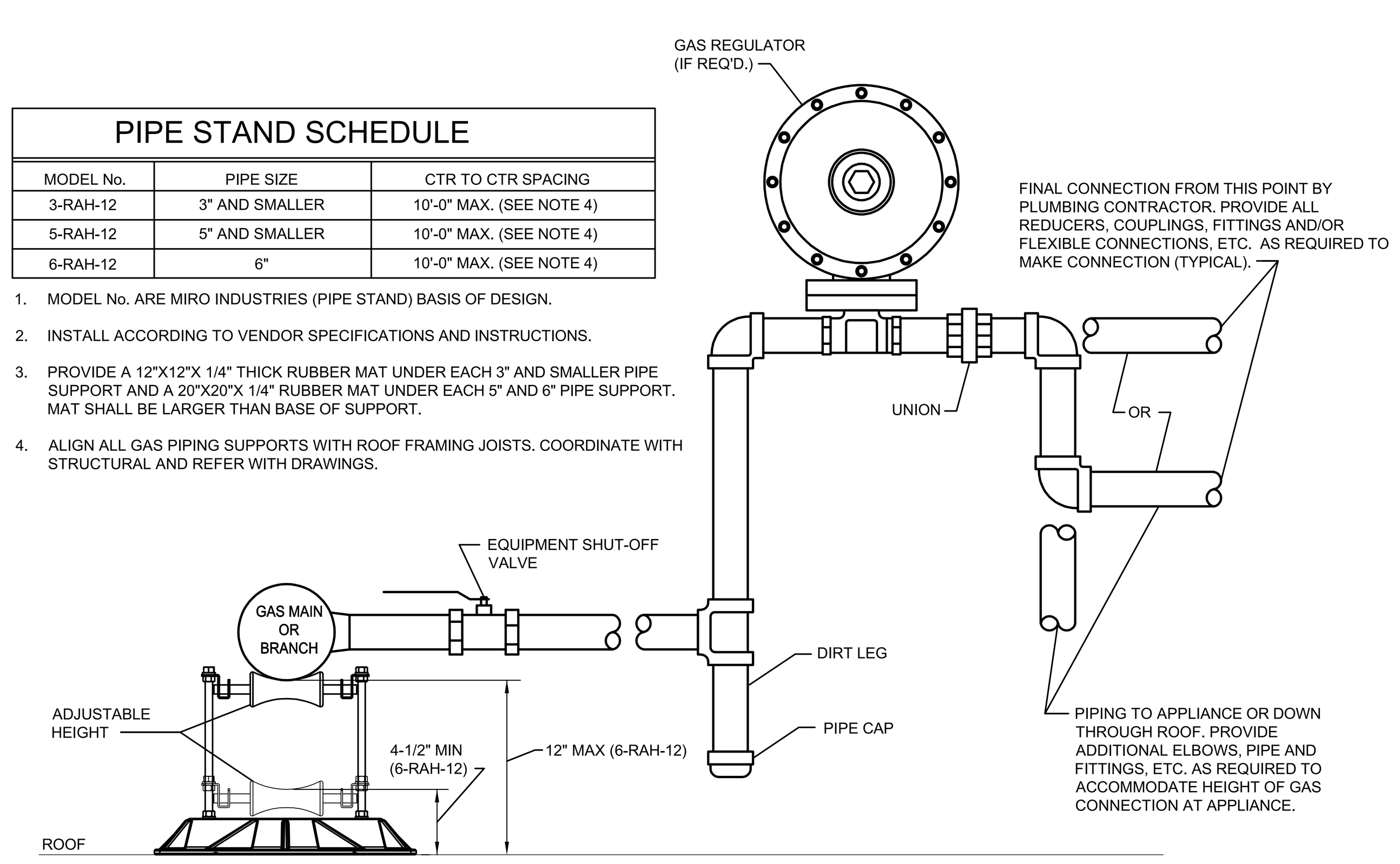
TYPICAL WATER HEATER DETAIL FOR WH-1

SCALE: NOT TO SCALE

PIPE STAND SCHEDULE

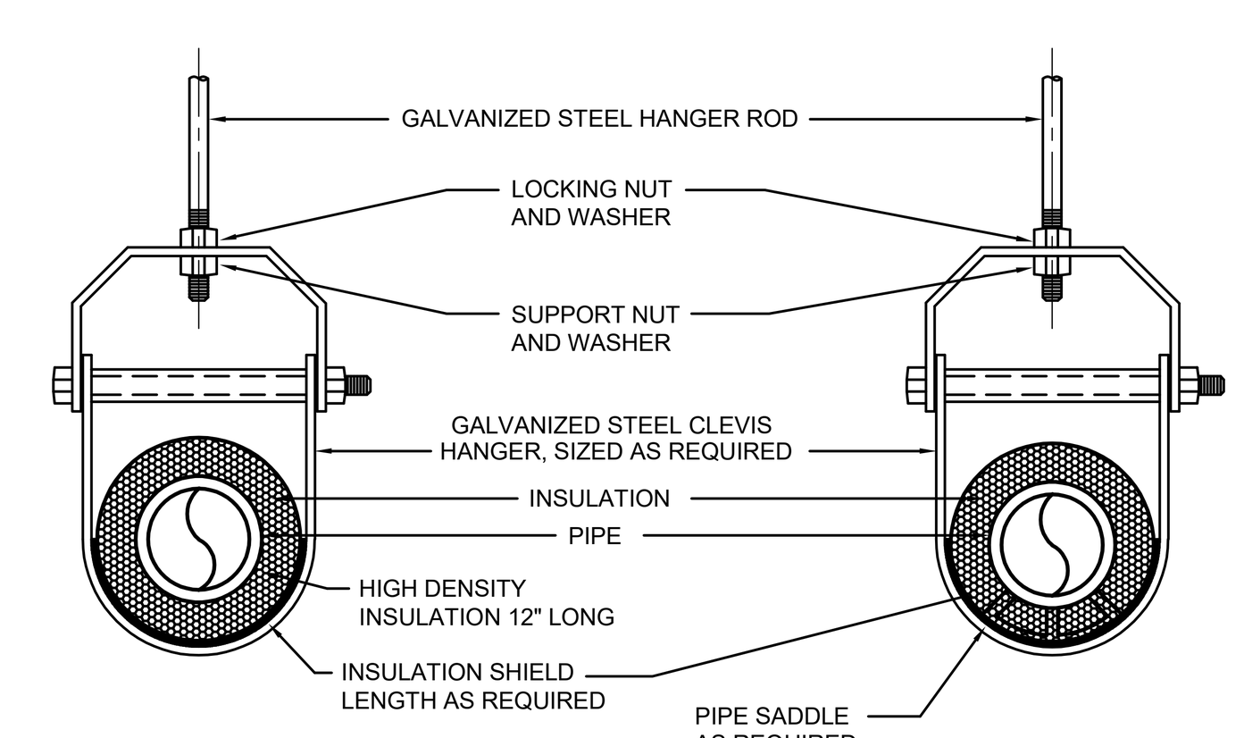
MODEL No.	PIPE SIZE	CTR TO CTR SPACING
3-RAH-12	3" AND SMALLER	10'-0" MAX. (SEE NOTE 4)
5-RAH-12	5" AND SMALLER	10'-0" MAX. (SEE NOTE 4)
6-RAH-12	6"	10'-0" MAX. (SEE NOTE 4)

1. MODEL No. ARE MIRO INDUSTRIES (PIPE STAND) BASIS OF DESIGN.
2. INSTALL ACCORDING TO VENDOR SPECIFICATIONS AND INSTRUCTIONS.
3. PROVIDE A 12"X12"X 1/4" THICK RUBBER MAT UNDER EACH 3" AND SMALLER PIPE SUPPORT AND A 20"X20"X 1/4" RUBBER MAT UNDER EACH 5" AND 6" PIPE SUPPORT. MAT SHALL BE LARGER THAN BASE OF SUPPORT.
4. ALIGN ALL GAS PIPING SUPPORTS WITH ROOF FRAMING JOISTS. COORDINATE WITH STRUCTURAL AND REFER WITH DRAWINGS.



TYPICAL NATURAL GAS DROP FOR ROOFTOP EQUIPMENT CONNECTIONS

NOT TO SCALE



SIZE INSERT TO FIT PIPE AND INSULATION THICKNESS

SIZE HANGER TO FIT INSULATION THICKNESS, INSERT, SHIELD AND ACCESSORIES

COORDINATE HANGERS WITH STRUCTURAL COMPONENTS

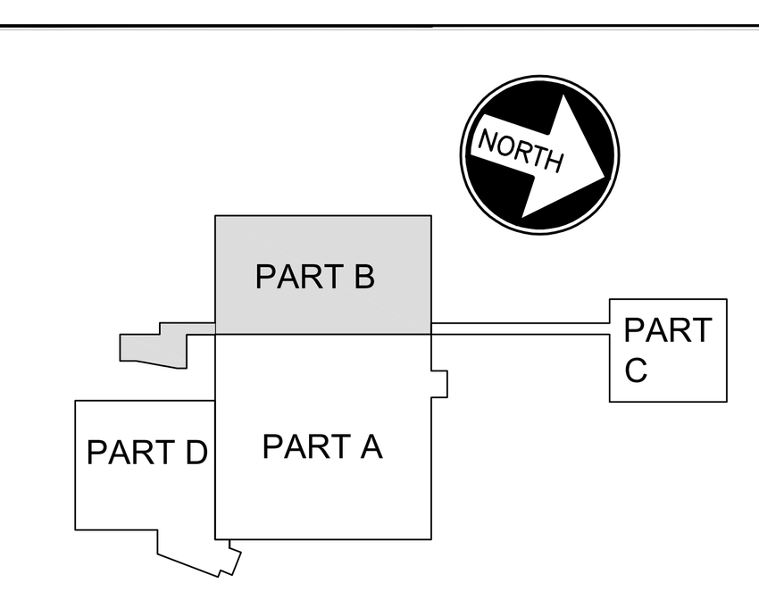
PIPE INSULATION AND JACKET SHALL BE CONTINUOUS, PROVIDE PIPE ACCESSORIES AS REQUIRED

PROVIDE INSERTS AND SHIELDS ON ALL INSULATED PIPING (HOT AND COLD PIPING), REFER TO SPECS

TYPICAL CLEVIS PIPE HANGER DETAIL (WITHIN BUILDING)

NOT TO SCALE

REVISIONS



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DRAWING TITLE:
PLUMBING NOTES, DETAILS, SCHEDULES AND LEGENDS

DRAWN BY:	PROJECT NO.:
BAM	2025-151P
CHECKED BY: AJL	DRAWING NO.: P-200
DATE: 02-09-2026	

CAD FILE: 5151-P200.DWG
PLOT DATE: 2/4/2026

ELECTRICAL SYMBOL LEGEND

LIGHTING

A1 a — 2' x 4' RECESSED FLAT PANEL LED LIGHT FIXTURE TYPICAL ALL FIXTURES:
- 'A' - UPPER CASE LETTER INDICATES FIXTURE TYPE
- 'a' - LOW CASE LETTER INDICATES SWITCH LEG
- SHADING INDICATES FIXTURE TO BE PROVIDED WITH EMERGENCY BATTERY
- 'NL' FIXTURE IS TO NIGHTLIGHT FIXTURE AND CONTROLLED SEPARATELY BY A KEY SWITCH.

☐ 2'X2' RECESSED LED VOLUMETRIC LIGHT FIXTURE

▭ LINEAR RECESSED OR UNDERCABINET LED LIGHT FIXTURE

○ RECESSED LED DOWNLIGHT

◯ RING FIXTURE, SIZE AS NOTED ON LIGHTING FIXTURE SCHEDULE.

⊗ CEILING MOUNTED LED EXIT SIGN. SHADED SIDE INDICATES FACE, PROVIDE ARROWS AS INDICATED.

⊗ WALL MOUNTED LED EXIT SIGN. SHADED SIDE INDICATES FACE, ARROWS AS INDICATED. MOUNT 8'-8" TO TOP, U.O.N.

WALL MOUNTED EMERGENCY LIGHTING BATTERY INSIDE BUILDING.

LIGHTING CONTROLS

S_X WALL MOUNTED LINE VOLTAGE LIGHT SWITCH MOUNT AT 44" A.F.F. TO CENTER, OR 6" ABOVE COUNTER BACKSPLASH TO CENTER WHEN MOUNTED ABOVE COUNTER, U.O.N.
- 'D' - DIMMING
- 'VS' - INTEGRAL VACANCY SENSOR
- 'OS' - INTEGRAL OCCUPANCY SENSOR
- '3' INDICATES 3-WAY SWITCHING
- LOWERCASE LETTER INDICATES SWITCH LEG.
- 'K' INDICATES KEY SWITCH

OS WIRELESS CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR

OS WIRELESS WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR

POWER

208/120V BRANCH CIRCUIT PANELBOARD-SURFACE MOUNTED

480/277V BRANCH CIRCUIT PANELBOARD-SURFACE MOUNTED

HOMERUN TO PANEL

T TRANSFORMER - SIZE AS INDICATED

WALL OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE MOUNTED RECESSED 18" A.F.F. TO ℄ (TYP. ALL RECEPTACLES UNLESS OTHERWISE NOTED)
- 'GFCI' - GROUND FAULT CIRCUIT INTERRUPTER (G.F.C.I.) RECEPTACLE
- 'WP/GFCI' - G.F.C.I. RECEPTACLE WITH WEATHERPROOF "WHILE-IN-USE" COVER
- "TV' - TELEVISION RECEPTACLE. COORDINATE MOUNTING HEIGHT WITH ARCHITECT
- 'USB' - RECEPTACLE TO INCLUDE USB PORTS. HUBBELL USBB15ACPDW OR EQUAL

CLG WALL OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE, MOUNTED ON CEILING

TWO GANG WALL OUTLET BOX AND TWO 20 AMP DUPLEX RECEPTACLES - 18" AFF. TO ℄

WALL OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE, MOUNTED 48" A.F.F. TO ℄, U.O.N.

QUAD OUTLET MOUNTED ABOVE COUNTER BACKSPLASH. NOTE SIMILAR TO DUPLEX.

CR 25' CORD REEL, CEILING MOUNTED. CORD REEL SHOULD BE ALERT STAMPING P/N 5020TF-4C OR EQUIVALENT.

WALL OUTLET BOX AND 240V OR 208V SPECIAL PURPOSE RECEPTACLE SIZED AS NOTED ON DRAWINGS.

FLUSH FLOOR BOX WITH (2) DUPLEX RECEPTACLES, DATA JACKS AS INDICATED, (1) 3/4" THREADED HUB FOR POWER, (1) 1-1/2" THREADED HUB FOR DATA CABLING, ALUMINUM COVER AND TILE FLANGE COVER.

SURFACE METAL RACEWAY - RACEWAY SHALL BE WIREMOLD V3000 SERIES, OR EQUAL WITH NUMBER OF SINGLE RECEPTACLES AS INDICATED ON PLAN, AND MOUNTED AT 18" A.F.F., U.O.N.

J FLUSH WALL JUNCTION BOX OR JUNCTION BOX ABOVE CEILING
- 'S' INDICATES JUNCTION BOX TO BE USED FOR SECURITY POWER WIRING
- 'D' INDICATES JUNCTION BOX TO BE USED FOR CAT 6 CABLING
- 'DH' INDICATES DOOR HARDWARE 120V CONNECTION

M MOTOR CONNECTION. NUMBER INDICATES HORSEPOWER

DISCONNECT SWITCH.

FUSED DISCONNECT SWITCH.

S_M MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOADS (UNLESS OTHERWISE NOTED) - SIZED TO PROTECT EQUIPMENT SERVED

VFD VARIABLE FREQUENCY DRIVE (BY M.C.)

XXX / XX EQUIPMENT TAG

SPECIAL SYSTEMS

2 DATA WALL OUTLET BOX WITH MINIMUM 1" C. TO ABOVE ACCESSIBLE FINISHED CEILING (PROVIDE PULL CORD AND END BUSHING) FLUSH MOUNTED AT 18" A.F.F. TO ℄.
E.C. SHALL PROVIDE BOX, CONDUIT, DATA JACK, FACEPLATE AND PLENUM RATED CAT6 DATA CABLE TO I.T. ROOM.
- NUMBER INDICATES CABLE QUANTITIES IF GREATER THAN ONE
- 'CLG' INDICATES CEILING MOUNTED

WALL TELEPHONE OUTLET

WIRELESS ACCESS POINT. E.C. SHALL PROVIDE ACCESS POINT WITH (2) DATA JACKS AND (2) PLENUM RATED CAT6 CABLES TO NEAREST I.T. CLOSET. LEAVE 25' OF SLACK IN CABLE AT DEVICE. COORDINATE ALL WOTK WITH DISTRICT I.T. DEPT.

F WALL MOUNTED ADA COMPLIANT FLUSH MANUAL FIRE ALARM PULL STATION (MOUNT TOP @ 44" AFF)

WALL MOUNTED MULTI-TAP (15/30/75/110 CD) ADA COMPLIANT FIRE ALARM AUDIO/VISUAL UNIT (MOUNT 80" A.F.F. TO BOTTOM).
- RL INDICATES RELOCATION.

WALL MOUNTED MULTI-TAP (15/30/75/110 CD) ADA COMPLIANT FIRE ALARM VISUAL ONLY UNIT (MOUNT 80" A.F.F. TO BOTTOM).
-RL INDICATES RELOCATION.

S CEILING MOUNTED SMOKE DETECTOR

H CEILING MOUNTED HEAT DETECTOR

D DUCT MOUNTED SMOKE DETECTOR - DETECTOR SHALL BE FURNISHED BY E.C. TO THE M.C. FOR INSTALLATION IN DUCT OR TO BE TURNED OVER TO EQUIPMENT MANUFACTURER FOR FACTORY INSTALLATION. DETECTORS SHALL BE WIRED BY E.C.. REFER TO MECHANICAL EQUIPMENT COORDINATION SCHEDULE FOR EQUIPMENT REQUIREMENTS. DUCT DETECTORS SHALL BE PHOTOELECTRIC TYPE WITH SAMPLING TUBE. PROVIDE REMOTE STATUS AND ALARM INDICATOR LIGHT/TEST STATION WHERE DEVICE IS INACCESSIBLE. COORDINATE EXACT LOCATIONS WITH MECHANICAL PLANS. DETECTOR LOCATION SHALL CONFORM TO NFPA.

CO CEILING MOUNTED CARBON MONOXIDE DETECTOR. PROVIDE TEMPORAL CODE MODULE WITH SOUNDER BASE WHICH CAN PROVIDE TEMPORAL CODE 4 (TC4) FOR TOXIC CARBON MONOXIDE ALARMS. PROVIDE ADDITIONAL POWER WIRING TO SOUNDER BASE AS REQUIRED PER MANUFACTURER'S SPECIFICATIONS FOR A COMPLETE OPERABLE SYSTEM.

V CEILING MOUNTED VAPE DETECTOR

FS COMBINATION FIRE/SMOKE DAMPER - 120V. POWERED HELD-OPEN DAMPER CONTROLLED BY THE FIRE ALARM CONTROL PANEL VIA LOCAL DUCT DETECTOR AUXILIARY CONTACTS. PROVIDE J-BOX AT EACH DAMPER FOR 120V. EMERGENCY LIFE SAFETY POWER AND DUCT MOUNTED SMOKE DETECTOR ON AIR SUPPLY SIDE OF DAMPER. OPEN/CLOSE INDICATED MONITORED BY HVAC SYSTEM. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.

CP CONTROL PANEL WITH LOW VOLTAGE TRANSFORMER FOR VAV PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE 120V EMERGENCY EQUIPMENT POWER AS INDICATED ON DRAWINGS

BATTERY OPERATED GPS CLOCK FURNISHED AND INSTALLED BY E.C., CLOCK TO MATCH EXISTING MANUFACTUER AND MODEL NUMBER USED IN BUILDING.

S CEILING MOUNTED PAGING SPEAKER FURNISHED AND INSTALLED BY E.C. PROVIDE NEW SPEAKERS, WHERE INDICATED, TO MATCH EXISTING. INSTALL NEW SPEAKER CABLES TO MEET MANUFACTURER'S RECOMMENDATIONS. TEST AND LABEL BOTH ENDS. (TYP. ALL SPEAKERS)

S WALL MOUNTED PAGING SPEAKER FURNISHED AND INSTALLED BY E.C.

EL ELECTRIC LATCH PROVIDED BY DOOR HARDWARE VENDOR.

DC DOOR CONTACT PROVIDED BY DOOR HARDWARE VENDOR.

CR_H HARDWIRED CARD READER TO INCLUDE REQUEST TO EXIT SENSOR, DOOR CONTACTS, CONTROLLER IF REQURIED AND CABLING TO ACCESS CONTROL PANEL FURNISHED AND INSTALLED BY DAY AUTOMATION. ALL DOOR HARDWARE PROVIDED BY OTHERS.

CR_W WIRELESS ELECTRONIC LOCK WITH CARD READER AND PIM MODULE IF REQUIRED FURNISHED AND INSTALLED BY DAY AUTOMATION. ALL DOOR HARDWARE PROVIDED BY OTHERS.

RX REQUEST TO EXIT SENSOR

DH DOOR HOLD OPEN DEVICE TO BE PROVIDED WITH DOOR HARDWARE. TIE TO NEAREST RECEPTACLE CIRCUIT. PROVIDE NEW SMOKE DETECTORS ON EACH SIDE OF DOOR AND A CONTROL RELAY SO DOOR SHALL RELEASE UPON ACTIVATION OF FIRE ALARM

LD EMERGENCY LOCKDOWN ACTIVATION BUTTON, PROVIDED BY DAY AUTOMATION

BL BLUE LOCKDOWN STROBE & HORN, PROVIDED BY DAY AUTOMATION

C CEILING MOUNTED CAMERA FURNISHED AND INSTALLED BY DAY AUTOMATION.

SYMBOLS LEGEND NOTES:

1. COORDINATE ALL I.T. WORK WITH SCHOOL DISTRICT I.T. DEPARTMENT.
2. COORDINATE MOUNTING HEIGHT(S) AND LOCATION(S) OF ALL DEVICES WITH ARCHITECTURAL ELEVATIONS PRIOR TO CONSTRUCTION.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	LAMPS	VOLTS	DESCRIPTION
A0	METALUX ENCOUNTER	22EN-LD2-19-UNV-L940 CD1-U	16W LED 1900 LUMENS 4000K	UNIV.	2' x 2' GRID MOUNTED TROFFER FIXTURE.
A1	METALUX ENCOUNTER	22EN-LD2-30-UNV-L940 CD1-U	20W LED 3000 LUMENS 4000K	UNIV.	2' x 2' GRID MOUNTED TROFFER FIXTURE. WHERE HALF-SHADED, PROVIDE EL14WSD BATTERY PACK OPTION WITH SELF-DIAGNOSTICS.
A2	METALUX ENCOUNTER	22EN-LD2-34-UNV-L940 CD1-U	28.5W LED 3400 LUMENS 4000K	UNIV.	2' x 2' GRID MOUNTED TROFFER FIXTURE. WHERE HALF-SHADED, PROVIDE EL14WSD BATTERY PACK OPTION WITH SELF-DIAGNOSTICS.
A3	METALUX ENCOUNTER	22EN-LD2-39-UNV-L940 CD1-U	33.3W LED 3900 LUMENS 4000K	UNIV.	2' x 2' GRID MOUNTED TROFFER FIXTURE. WHERE HALF-SHADED, PROVIDE EL14WSD BATTERY PACK OPTION WITH SELF-DIAGNOSTICS.
A4	METALUX ENCOUNTER	22EN-LD2-43-UNV-L940 CD1-U	38.3W LED 4300 LUMENS 4000K	UNIV.	2' x 2' GRID MOUNTED TROFFER FIXTURE.
B0	PORTFOLIO	LD6D-02-R70-9040-D010TR-CS -4-MMS-EMBOD7ST	3.9W LED 200 LUMENS 4000K	UNIV.	6" DIA RECESSED ROUND DOWNLIGHT. FIXTURE SHADED AS EMERGENCY ARE TO BE PROVIDED WITH 7W BATTERY. FIXTURE TO BE MATTE SILVER.
B1	PORTFOLIO	LD6D-08-R70-9040-D010TR-CS -4-MMS-EMBOD7ST	8.1W LED 750 LUMENS 4000K	UNIV.	6" DIA RECESSED ROUND DOWNLIGHT. FIXTURE SHADED AS EMERGENCY ARE TO BE PROVIDED WITH 7W BATTERY. FIXTURE TO BE MATTE SILVER.
B2	PORTFOLIO	LD6D-10-R70-9040-D010TR-CS -4-MMS-EMBOD7ST	11.1W LED 1000 LUMENS 4000K	UNIV.	6" DIA RECESSED ROUND DOWNLIGHT. FIXTURE SHADED AS EMERGENCY ARE TO BE PROVIDED WITH 7W BATTERY. FIXTURE TO BE MATTE SILVER.
B3	PORTFOLIO	LD6D-20-R70-9040-D010TR-CS -4-MMS-EMBOD7ST	38.3W LED 2000 LUMENS 4000K	UNIV.	6" DIA RECESSED ROUND DOWNLIGHT. FIXTURE SHADED AS EMERGENCY ARE TO BE PROVIDED WITH 7W BATTERY.FIXTURE TO BE MATTE SILVER.
C0	TBAR FLEX ARMSTRONG	TBFL-MN-MO-30- 15- D -A-W- UNV	5.5W LED/FT 468 LUMENS/FT 4000K	UNIV.	12" INCREMENTS WHITE LINEAR FIXTURE THAT REPLACES MAIN GRID BEAM. CLEAR DIFFUSING LENS, LENGTH AS SHOWN ON DRAWING. 1-10V DIMMING, EM FIXTURE TO HAVE INCLUDED EMERGENCY BATTERY KIT TBEM-FLEX (12WATTS)
C1	TBAR FLEX ARMSTRONG	TBFL-MN-MO-30- 15- D -A-B- UNV	5.5W LED/FT 468 LUMENS/FT 4000K	UNIV.	12" INCREMENTS BLACK LINEAR FIXTURE THAT REPLACES MAIN GRID BEAM. CLEAR DIFFUSING LENS, LENGTH AS SHOWN ON DRAWING. 1-10V DIMMING, EM FIXTURE TO HAVE INCLUDED EMERGENCY BATTERY KIT TBEM-FLEX (12WATTS)
D0	ZYNN RING SPI LIGHTING	AIS12191-L81W-PT48-120/277V 4000K-90-MCS-BAL	81W LED 4798 LUMENS 4000K	UNIV.	48" SLIM BRUSHED ALUMINUM CIRCULAR FIXTURE. SURFACE MOUNTED TO CEILING, 1-10V DIMMING TO 1%.
F0	ZYNN RING SPI LIGHTING	AIP12096-L44-120-277V-4000K DF_DIM1-BCP-DID-BAL	81W LED 4798 LUMENS 4000K	UNIV.	48" SLIM BRUSHED ALUMINUM CIRCULAR FIXTURE. PENDANT MOUNTED TO 7FT A.F.F. ACOUSTICAL INFILL MODIFICATION. E.C. TO COORDINATE ACOUSTICAL PANEL WITH ARCHITECT. 1-10V DIMMING TO 1%.
F1	ZYNN RING SPI LIGHTING	AIP12176-L66W-BAL-120/277 4000K-90-DEFAULT-BCP- DID-BAL	66W LED 3910 LUMENS 4000K	UNIV.	72" SLIM BRUSHED ALUMINUM CIRCULAR FIXTURE. PENDANT MOUNTED TO 8.5 FEET A.F.F. 1-10V DIMMING TO 1%, 80% DIRECT / INDIRECT LIGHTING.
F2	ZYNN RING SPI LIGHTING	AIP12178-L108W-BAL-120/277 400K-90-DEFAULT-BCP- DID-BAL	44W LED 2605 LUMENS 4000K	UNIV.	120" SLIM BRUSHED ALUMINUM CIRCULAR FIXTURE. PENDANT MOUNTED TO 8 FEET A.F.F. 0-10V DIMMING TO 1%, 80% DIRECT / INDIRECT LIGHTING.
G0	PERCEIVE PTR CORELITE	PTR-24-30-PLG-L940-UNV-W TG-BRKT-U-W-AWH	24W 2822 LUMENS 4000K	UNIV.	2'X4' 2" RECESSED LED PANEL WITH WHITE FRAME. 0-10V DIMMING, 4000 CCT, 90 CRI. FIXTURE TO BE WHITE WITH WHITE ACOUSTICAL PANEL. FIXTURE MAY HAVE A LONG LEAD TIME.
H	CONTINUA SQ4 CORELITE	SQ4-(SHEILD)-75U 125D-940-1-D-UNV-STD-S -AC120-JB-6	15.5W LED/FT 750U/1500D LUMENS/FT 4000K	UNIV.	6' X 4" LINEAR SILVER FIXTURE PENDANT MOUNTED AT 14' A.F.F. ADJUSTABLE AIRPLANE CABLE MOUNTING TO ANCHOR AROUND DUCTWORK.
K	CONTINUA SQ4R CORELITE	SQ4R-F-050D-840-1-D-UNV STD-W-FG-4	18.9W LED/FT 500 LUMENS/FT 4000K	UNIV.	6' X 4" LINEAR FIXTURE MOUNTED UNDER CANOPY.
L	DSX0 LITHONIA LIGHTING	DSX0-P1-40K-40K-80CRI T2M-MVOLT-WBA-(COLOR)	33W LED 4,736 LUMENS 4000K	UNIV.	BUILDING MOUNTED SITE LIGHTING. MOUNTED 22FT ABOVE GRADE.
M	ACHIEVA WRAP METALUX	4AWS-L3C3-UNV-WPS-EL14W	HO- 46.3W LED HO-6,148 LUMENS 4000K	UNIV.	5.5"X4' SURFACE MOUNTED WRAP FIXTURE WITH SMOOTH FROSTED POLYCARBONATE LENS, FIELD SELECTABLE CCT & LUMENS, INTEGRAL OCCUPANCY SENSOR, AUTO DIMMING TO 10% OUTPUT WHEN AREA UNOCCUPIED AND 14W EMERGENCY BATTERY PACK.
N	UCL FAILSAFE	UCLV-4-LD4-40-A12125- EDC-UNV-IP63-OS	17.47W LED 1622 LUMENS 4000K	UNIV.	2' X 6-7/32" UNDERCABINET LIGHTING FIXTURE, INTERNAL OCCUPANCY SENSOR. WET LOCATION RATED. COORDINATE FINISH WITH ARCHITECT.
⊗⊗	LITHONIA LIGHTING	EDG-W-1-RMR-EL	0.6 W LED	UNIV.	LED EXIT SIGH WITH RED LETTERING ON MIRROR BACKGROUND, AND SEALED NICKEL-CADMIUM BATTERY
	LITHONIA LIGHTING	ELM4L-HO-UVOLT-SDRT	(2) 3.3W LED 640 LUMENS	UNIV.	LED EMERGENCY LIGHTING BATTERY UNIT WITH HIGH-IMPACT WHITE THERMOPLASTIC HOUSING, LITHIUM IRON PHOSPHATE BATTERY WITH REMOTE LAMP CAPACITY OF 22W FOR 90 MINUTES AND SELF DIAGNOSTICS
	LITHONIA LIGHTING	ELMRW-SP640L-DDBTXD-T	(2) 3.3W LED 640 LUMENS	UNIV.	TWIN LED REMOTE HEADS UNIT WITH BRONZE FINISH AND WET LOCATION LISTING. PROVIDE WHITE HOUSING (DWHXD) WHERE USED INDOORS.

ABBREVIATIONS

AMP./A.	AMPERE
AC.	ALTERNATING CURRENT
A/C.	AIR CONDITION
AFF.	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
A.I.C.	AMPERES INTERRUPTING CAPACITY
AL.	ALUMINUM
ARCH.	ARCHITECTURAL
A.T.S.	AUTOMATIC TRANSFER SWITCH
AUX.	AUXILIARY
BLDG.	BUILDING
BKR.	BREAKER
CLG.	CEILING
CKT.	CIRCUIT
CB	CIRCUIT BREAKER
COL.	COLUMN
CONC.	CONCRETE
C.	CONDUIT
CU.	COPPER
C.T.	CURRENT TRANSFORMER
DISC.	DISCONNECT SWITCH
DIV.	DIVISION
EA.	EACH
E.F.	EXHAUST FAN
ELEC. CL.	ELECTRICAL CLOSET
ELEC.	ELECTRICAL
E.C.	ELECTRICAL CONTRACTOR
E.M.T.	ELECTRICAL METALLIC TUBING
ENT.	ENTRANCE
ENCL.	ENCLOSURE
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXT.	EXTERNAL/EXTERIOR
F.A.	FIRE ALARM
FT.	FEET
FIN.	FINISH/FINISHED
FL.	FLOOR
FLA	FULL LOAD AMPERES
GA.	GAGE/GAUGE
G.C.	GENERAL CONTRACTOR
GND.	GROUND
G.F.I.	GROUND FAULT INTERRUPTER
HP.	HORSEPOWER
JB	JUNCTION BOX
KW	KILOWATT
KWH	KILOWATT HOUR
KVA	KILOVOLT-AMPERE
KV	KILOVOLT
LTG	LIGHTING
M.C.	MECHANICAL CONTRACTOR
MDP	MAIN DISTRIBUTION PANEL
MANUF.	MANUFACTURER
MAX.	MAXIMUM
MB	MAIN BREAKER
MECH.	MECHANICAL
MTD.	MOUNTED
MIN.	MINIMUM
M.L.O.	MAIN LUGS ONLY
N.	NEUTRAL
NC	NORMAL CLOSED
N.E.C.	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NO./#	NUMBER
P.V.C.	POLYVINYLCHLORIDE
PB	PULL BOX
PNL.	PANELBOARD
P.C.	PLUMBING CONTRACTOR
PRI.	PRIMARY
R.G.S.	RIGID GALVANIZED STEEL CONDUIT
RECEPT.	RECEPTACLE
REQ'D	REQUIRED
REV.	REVISE/REVISION
SECT.	SECTION
SEC.	SECONDARY
SERV.	SERVICE
SPECS.	SPECIFICATIONS
SQ.	SQUARE
S.F.	SQUARE FEET
SW.	SWITCH
SHT.	SHEET
SIG.	SIGNAL
SN	SOLID NEUTRAL
SURF.	SURFACE
THRU	THROUGH
TEL.	TELEPHONE
TRANSF./XFMR	TRANSFORMER
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
VD	VOLTAGE DROP
V.	VOLTAGE/VOLTS
WG	WIREGUARD
WP	WEATHERPROOF
W/	WITH
W/O	WITHOUT

GENERAL ELECTRICAL NOTES

(APPLICABLE TO ALL DRAWINGS)

1. ALL ELECTRICAL WORK PERFORMED SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), CITY, COUNTY, STATE, AND LOCAL CODES AND ORDINANCES.
2. ALL WIRING, UNLESS OTHERWISE NOTED (U.O.N.) ON DRAWINGS, SHALL BE TYPE "THHN," MINIMUM #12 AWG. ALL WIRING SHALL BE COPPER CONDUCTORS; ALUMINUM AND ALUMINUM ALLOY CONDUCTORS WILL NOT BE ACCEPTED.
3. ALL BRANCH CIRCUIT WIRING SHALL UTILIZE AT A MINIMUM ¾" EMT CONDUIT.
4. ELECTRICAL CONTRACTOR SHALL IDENTIFY ALL JUNCTION AND PULL BOXES ABOVE CEILING WITH THE PANELBOARD AND BRANCH CIRCUIT NUMBER MARKED ON COVER PLATE. PROVIDE ENGRAVED BAKELITE NAMEPLATES (1-3/4" X 3-1/2" WITH 3/4" LETTERS) FOR PANELS, MOTOR SAFETY DISCONNECTS, AND CONTROL STATIONS. A NEW TYPEWRITTEN DIRECTORY SHALL BE PROVIDED FOR ALL PANELBOARDS AFFECTED BY THE WORK.
5. PROVIDE LABELING ON ALL OUTLETS THAT DESIGNATE THE CIRCUIT NUMBER AND PANEL. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.
6. ALL THE CIRCUITING SHOWN IS DIAGRAMMATICAL. CONTRACTOR SHALL PROVIDE JUNCTION AND PULL BOXES AS REQUIRED BY THE NEC. ALL CONDUITS SHALL BE SIZED IN ACCORDANCE WITH THE NEC UNLESS SHOWN LARGER ON DRAWINGS, HOWEVER, NO CONDUIT SHALL BE LESS THAN 1/2" FOR CONTROLS AND 3/4" FOR POWER.
7. ALL CONDUIT EXPOSED TO THE WEATHER SHALL BE STANDARD WALL RIGID GALVANIZED STEEL CONDUIT. U.O.N.
8. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL ONLY. REFER TO ARCHITECTURAL ELEVATION DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF DEVICES.
9. IT WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE FOR THE TEMPORARY POWER AND LIGHTING REQUIREMENTS.
10. A GROUNDING CONDUCTOR MUST BE PROVIDED IN EACH CONDUIT WHETHER OR NOT THE GROUNDING CONDUCTOR IS SHOWN ON THE DRAWINGS.
11. CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED DURING THE CONSTRUCTION OF HIS WORK.
12. IT IS THE INTENT OF THE ELECTRICAL DRAWINGS TO PROVIDE THE CONTRACTOR WITH SUFFICIENT INFORMATION IN ORDER TO PROVIDE AN INSTALLATION COMPLETE IN EVERY RESPECT. THE DRAWINGS ARE DIAGRAMMATIC IN CHARACTER AND DO NOT SHOW EVERY CONNECTION OR INSTALLATION IN DETAIL OR ITS EXACT LOCATION. CONTRACTOR SHALL CAREFULLY INVESTIGATE, COORDINATE WITH OTHER TRADES, AND VERIFY ALL FIELD CONDITIONS AND ACTUAL LOCATIONS OF ALL ITEMS SHOWN ON DRAWINGS PRIOR TO COMMENCING ANY WORK. SHOULD THE DRAWINGS DISAGREE WITH ACTUAL CONDITIONS THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
13. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
14. ALL EXTERIOR BUILDING EQUIPMENT TO BE WEATHERPROOF NEMA 3R MINIMUM UNLESS OTHERWISE NOTED.
15. WHERE CONTRACTOR COMBINES MULTIPLE CIRCUITS IN ONE CONDUIT, HE SHALL INSTALL ALL HOMERUN BRANCH AND FEEDER WIRING IN ACCORDANCE WITH NEC 310 AND NEC CHAPTER 9, REGARDING DERATING OF CONDUCTOR AMPACITIES AND ALLOWABLE CONDUIT FILL.
16. EMPTY CONDUITS FOR COMMUNICATION, CABLE TV, ETC. SHALL HAVE A CONDUIT PULLING LINE. LINE SHALL BE RATED 130 LB. TENSILE STRENGTH.
17. RECEPTACLES SHALL BE MOUNTED VERTICALLY UNLESS OTHERWISE INDICATED. MOUNTING HEIGHT FOR RECEPTACLES SHALL BE AS INDICATED ON DRAWING.
18. DO NOT SCALE THE ELECTRICAL DRAWING; REFER TO ARCHITECTURAL PLANS AND ELEVATIONS. FOR EXACT LOCATION OF EQUIPMENT CONFIRM WITHOWNER'S REPRESENTATIVE.
19. DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE, QUICK-BREAK ENCLOSURES AS REQUIRED BY EXPOSURE.
20. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABORATORY (UL) LABELS WHERE APPLICABLE.
21. ALL FUSES, UNLESS NOTED ON DRAWING, SHALL BE CURRENT LIMITING FUSES (C.L.) RATED FOR 200,000 A.I.C.
22. CONNECTION TO MOTOR TERMINAL BOXES, SOLENOIDS, AND ANY OTHER DEVICES HAVING ADJUSTABLE MOUNTING FACILITIES OR WHICH ARE SUBJECT TO VIBRATION SHALL BE MADE IN LIQUID TIGHT FLEXIBLE METAL CONDUIT WHENEVER A FLEXIBLE CONDUIT IS EMPLOYED.
23. ALL RECEPTACLES LOCATED PER NEC SECTION 210.8 SHALL BE GFCI TYPE.
24. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING: ALL JUNCTION, METAL OR NON-METALLIC CONDUIT, WIRING AS REQUIRED; OUTLETS WITH COVERS, SWITCHES, CONNECTORS, CONTROLS AND OTHER ACCESSORIES AS REQUIRED TO MAKE FINAL CONNECTIONS TO ALL ELECTRICAL EQUIPMENT SHOWN FOR A COMPLETE AND FUNCTIONAL OPERATION MEETING ALL APPLICABLE CODES AND ORDINANCES.
25. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, AND TESTING.
26. PROVIDE CONVENIENCE RECEPTACLES ON THE ROOF FOR ROOF MOUNTED MECHANICAL EQUIPMENT AND CONNECT TO PANEL INDICATED.
27. ALL ELECTRICAL PANELS SHALL BE PROVIDED WITH COPPER BUS AND GROUND BARS.
28. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC, WITH OVERLOAD RELAYS IN EACH HOT LEG.
29. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR AIR CONDITIONING SYSTEM MOTORS PER MANUFACTURERS' RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY AIR CONDITIONING CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR.
30. THE CONTRACTOR SHALL BE EXPECTED TO COORDINATE FULLY WITH THE OWNER'S VENDORS AND INSTALLERS TO FACILITATE THE ORDERLY INSTALLATION OF THE OWNER'S EQUIPMENT AND FURNISHINGS.
31. THE LISTING OF PRODUCT MANUFACTURERS, MATERIALS AND METHODS ARE THE BASIS OF DESIGN AND ARE INTENDED TO ESTABLISH A STANDARD OF QUALITY. THE ENGINEER SHALL BE THE SOLE JUDGE OF QUALITY AND EQUIVALENCE OF EQUIPMENT, MATERIALS AND METHODS. WHERE SUBSTITUTED OR ALTERNATIVE EQUIPMENT IS PROPOSED ON THE PROJECT BEFORE BIDDING, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EQUIPMENT WILL FIT THE SPACE AVAILABLE, INCLUDING ALL REQUIRED CODE AND MAINTENANCE CLEARANCES, AND TO COORDINATE ALL EQUIPMENT REQUIREMENTS WITH OTHER CONTRACTORS.

LIGHTING CONTROL NOTES:
1. LIGHTING SHALL BE MANUALLY TURNED ON AND AUTOMATICALLY TURNED OFF.
2. OCCUPANCY SENSORS SHALL BE SET TO TURN OFF LIGHTING 20 MINUTES AFTER ROOM IS VACATED.

Ⓐ #12 AWG THHN

Ⓑ CATEGORY 6 CABLE

LIGHTING CONTROL DETAIL

N.T.S.

MECH / ELEC / PLUMB EQUIPMENT CONNECTIONS SCHEDULE

EQUIPMENT / TAG	DISCONNECT		STARTER		NOTES
	FURNISHED BY	INSTALLED BY	FURNISHED BY	INSTALLED BY	
ROOFTOP & AIR HANDLING UNITS	M.C.	M.C.	M.C.	M.C.	⑤ ⑥ ⑧
ATC PANELS	M.C.	M.C.	-	-	⑩
MOTORIZED DAMPERS	-	-	-	-	⑦
FIRE/SMOKE DAMPERS	M.C.	M.C.	-	-	⑦ ⑪
DUCT SMOKE DETECTORS	E.C.	M.C.	-	-	
GENERAL EXHAUST FANS	M.C.	E.C.	M.C.	E.C.	⑫
VAV REHEAT BOX	M.C.	M.C.	-	-	⑦
CONTROL VALVE TRANSFORMERS	M.C.	E.C.	-	-	⑨
AC/CU SPLIT SYSTEMS	M.C.	E.C.	M.C.	M.C.	④ ⑨ ⑬
UNIT VENTILATORS	M.C.	E.C.	M.C.	E.C.	
CHILLER	M.C.	E.C.	M.C.	E.C.	

M/E EQUIPMENT CONNECTIONS SCHEDULE NOTES:

① THE MECHANICAL/ELECTRICAL EQUIPMENT CONNECTIONS SCHEDULE AND ACCOMPANYING NOTES ARE INTENDED TO CLEARLY DEFINE WHICH CONTRACTOR FURNISHES AND INSTALLS STARTERS AND DISCONNECTS AND SHALL BECOME PART OF THE SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER WIRING AND FINAL POWER CONNECTIONS. ALL CONTROL WIRING SHALL BE FURNISHED, INSTALLED AND FINAL CONNECTION BY THE TRADE SUPPLYING THE EQUIPMENT.

② E.C. - ELECTRICAL CONTRACTOR
M.C. - MECHANICAL CONTRACTOR (HVAC)
P.C. - PLUMBING CONTRACTOR
MFR - MANUFACTURER

③ E.C. TO WIRE FROM DISCONNECT TO EQUIPMENT POWER PANEL.

④ ELECTRICAL CONTRACTOR SHALL WIRE THROUGH DISCONNECT AND VFD/STARTER AND MAKE FINAL POWER CONNECTIONS TO MOTOR.

⑤ SEPARATE 120V CIRCUIT FOR ELECTRICAL LIGHTS, RECEPTACLES, ETC. PROVIDED BY E.C.

⑥ VFD'S PROVIDED BY MANUFACTURER WITH INTERCONNECTING POWER WIRING.

⑦ E.C. SHALL PROVIDE SEPARATE 120V-1 PH CIRCUITS FOR 120/24V CONTROL TRANSFORMERS, TRANSFORMER BY M.C.

⑧ DISCONNECT SWITCH IS PART OF EQUIPMENT. UNIT IS PRE-WIRED AND ONLY REQUIRES CONNECTION TO DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR.

⑨ E.C. TO WIRE FROM DISCONNECT TO JUNCTION BOX / STARTER / PANEL.

⑩ E.C. SHALL PROVIDE SEPARATE 120V-1 PH CIRCUIT.

⑪ MOTORIZED, SMOKE, AND FIRE/SMOKE DAMPERS SHALL BE 24V AND IS CONSIDERED CONTROL WIRING. SEE SPECIFICATION SECTION 230500.

⑫ E.C. SHALL PROVIDE SEPARATE CIRCUIT TO FIELD MOUNTED COMBINATION STARTER AND SHALL FIELD WIRE FROM STARTER TO DISCONNECT AND MAKE FINAL CONNECTION TO MOTOR.

⑬ E.C. SHALL WIRE CONDENSATE PUMPS TO PREWIRED AIR CONDITIONING UNITS CIRCUIT.

COORDINATION NOTE:

COORDINATION - IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO REVIEW ALL ARCHITECTURAL PLANS FOR FULL UNDERSTANDING OF THE SCOPE OF WORK. ELECTRICAL WORK NOTED ON ARCHITECTURAL DRAWINGS IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

COORDINATION NOTE:

COORDINATION - IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION CONTRACTORS TO COORDINATE THEIR WORK. THE HVAC CONTRACTOR SHALL TAKE THE LEAD IN THE COORDINATION EFFORT AND PRODUCE THE COORDINATION DRAWINGS. COORDINATION DRAWINGS SHALL BE SUBMITTED FOR APPROVAL BY THE ARCHITECT PRIOR TO STARTING ANY WORK. THE PURPOSE OF THESE DRAWINGS IS TO COORDINATE THE LOCATIONS OF ALL PIPING, DUCTWORK, AND ELECTRICAL EQUIPMENT. SPECIAL ATTENTION IS CALLED TO ARTICLE 110-26 (F) OF THE NATIONAL ELECTRIC CODE. THE SPACE EQUAL TO THE WIDTH AND DEPTH OF THE EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT OF 6FT. ABOVE THE EQUIPMENT OR TO STRUCTURAL CEILING, WHICHEVER IS LOWER, SHALL BE DEDICATED TO THE ELECTRICAL INSTALLATION. NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE LOCATED IN THIS ZONE. THIS COORDINATION IS REQUIRED FOR ALL PHASES OF THIS PROJECT.

FIRE ALARM RISER DIAGRAM NOTES:

1. VERIFY EXTENT OF REQUIRED WORK WITH FIRE ALARM SYSTEM VENDOR PRIOR TO CONSTRUCTION AND COORDINATE ALL WORK WITH FIRE ALARM SYSTEM VENDOR DURING CONSTRUCTION. NEW DEVICES WILL BE PROVIDED AS REQUIRED AND CONNECTED TO EXISTING PANEL.
2. RISER DIAGRAM DEPICTS TYPICAL CONDITIONS AND IS SHOWN FOR REFERENCE ONLY. EXISTING CONDITIONS, INCLUDING LOCATION OF ALL PANELS, DEVICES, ETC. SHALL BE FIELD VERIFIED PRIOR TO SUBMITTING BID.
3. INSTALL ALL FIRE ALARM DEVICES IN ACCORDANCE WITH N.F.P.A., N.E.C., I.B.C., A.D.A. GUIDELINES AND ALL LOCAL CODE REQUIREMENTS INCLUDING AUTHORITIES HAVING JURISDICTION AS WELL AS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND WIRING DIAGRAM(S).
4. ALL WIRE (LINE AND LOW VOLTAGE), RACEWAYS, BOXES, HARDWARE, SOFTWARE, PROGRAMMING, ACCESSORIES, ETC. NECESSARY TO CONNECT NEW DEVICES TO EXISTING SYSTEM SHALL BE PROVIDED IN ORDER TO FURNISH A COMPLETE AND OPERABLE SYSTEM.
5. THE SYSTEM MANUFACTURER SHALL INCLUDE WITH THE SHOP DRAWING SUBMITTAL, A COMPLETE WIRING DIAGRAM SHOWING ALL DEVICES AND ALL REQUIRED WIRING. THIS WIRING DIAGRAM SHALL BE SPECIFIC FOR THIS PROJECT. TYPICAL WIRING DIAGRAMS WILL NOT BE ACCEPTED. INCLUDE BATTERY CALCULATIONS AND VOLTAGE DROP CALCULATIONS.
6. FOR EXACT LOCATION AND QUANTITY OF NEW FIRE ALARM DEVICES REFER TO POWER & SYSTEMS PLAN.
7. NEW DEVICES AND WIRING SHALL MATCH EXISTING EQUIPMENT OR BE COMPATIBLE WITH EXISTING SYSTEM.
8. FIRE ALARM CABLING SHALL BE PLENUM RATED RUN EXPOSED ABOVE ACCESSIBLE CEILINGS. IN ALL OTHER AREAS WIRING SHALL BE RUN IN CONDUIT. DROPS TO DEVICES SHALL BE INSTALLED IN CONDUIT.
9. DEVICES SHALL BE CIRCUITED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND WIRING DIAGRAM(S).
10. ALL JUNCTION BOXES SHALL BE ACCESSIBLE AND CLEARLY MARKED FOR SERVICE. PROVIDE ANY REQUIRED ACCESS PANELS.
11. ALL CABLE RUNS SHALL BE NEATLY BUNDLED. WRAPPED TIGHTLY AND PROPERLY SECURED. MARK BOTH ENDS OF ALL CABLES (AND ANY INTERMEDIATE SPLICES) AND PROVIDE A WIRE LEGEND.
12. ALL CABLING SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE AND NOT FROM THE CEILING GRID, TILES, OR SUPPORT WIRES. EXPOSED CABLING SHALL BE SUPPORTED AT NOT MORE THAN FIVE (5) FOOT INTERVALS.
13. ALL DEVICES SHALL BE INSTALLED IN A MANNER THAT PROVIDE ACCESSIBILITY FOR PERIODIC MAINTENANCE PER NFPA 72.
14. ALL THROUGH PENETRATIONS OF FIRE-RATED WALLS AND FLOORS SHALL BE FIRESTOPPED.
15. SYSTEM SHALL BE TESTED BY AUTHORIZED PERSONNEL ONLY IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS PRIOR TO OCCUPANCY. ALL CONDUCTORS (INCLUDING SHIELDS) MUST TEST FREE OF OPENS, SHORTS, AND GROUNDS BEFORE WIRING CONNECTIONS TO FIRE ALARM EQUIPMENT CAN BE MADE. VERIFY ALL COMPONENTS OF THE SYSTEM OPERATE PROPERLY. VERIFY ALL RESPONSIBILITIES WITH EQUIPMENT VENDOR PRIOR TO TESTING.
16. FIRE ALARM SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL FIRE DEPARTMENT. ALL REQUIRED OUTAGES TO FIRE ALARM SYSTEM SHALL BE COORDINATED WITH LOCAL FIRE DEPARTMENT A MINIMUM OF (2) WEEKS PRIOR TO DISABLING THE FIRE ALARM SYSTEM.

FIRE ALARM CONTROL RELAY WIRING DIAGRAM

SCALE: NONE

NOTES:

1. WIRING DIAGRAM DEPICTS TYPICAL CONDITIONS AND IS SHOWN FOR REFERENCE ONLY. EXACT DIAGRAMS AND DETAILS SHALL BE PROVIDED BY FIRE ALARM VENDOR, IN CONJUNCTION WITH CONTROLS VENDOR AND CORRESPONDING EQUIPMENT VENDOR.
2. FIRE CONTROL RELAYS SHALL BE PROVIDED FOR EACH DETECTOR FOR ALARM SIGNAL, TROUBLE SIGNAL, ALARM SIGNAL TO ATC PANEL, UNIT SHUTDOWN AND SMOKE DAMPER OPERATION. SHALL BE MECHANICAL CONTRACTORS RESPONSIBILITY
3. CONTRACTOR SHALL WIRE INPUT OF ALL CONTROL RELAYS TO FACP. CONTRACTOR SHALL WIRE THROUGH OUTPUT OF CONTROL RELAY(S) FOR ATC PANEL AND UNIT SHUTDOWN. THE CONTRACTOR SHALL WIRE THROUGH THE OUTPUT OF CONTROL RELAY(S) FOR ALARM SIGNAL, TROUBLE SIGNAL, AND SMOKE DAMPER OPERATION.

REVISIONS

KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

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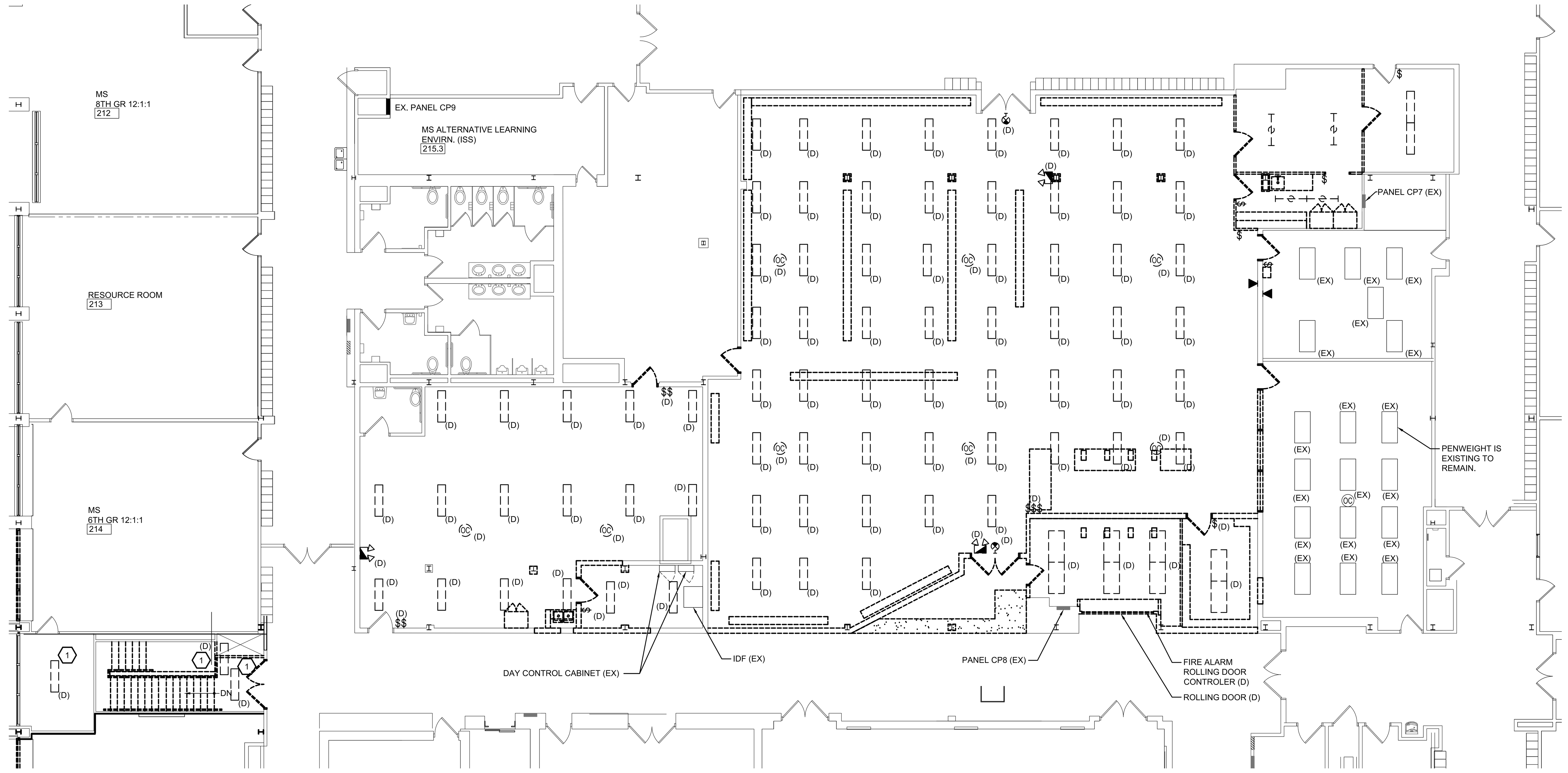
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
ELECTRICAL SYMBOLS, SCHEDULES AND NOTES

DRAWN BY: R.F.C.	PROJECT NO.: 2025-151P
CHECKED BY: L.K.N.	DRAWING NO.: E-001
DATE: 02-09-2026	



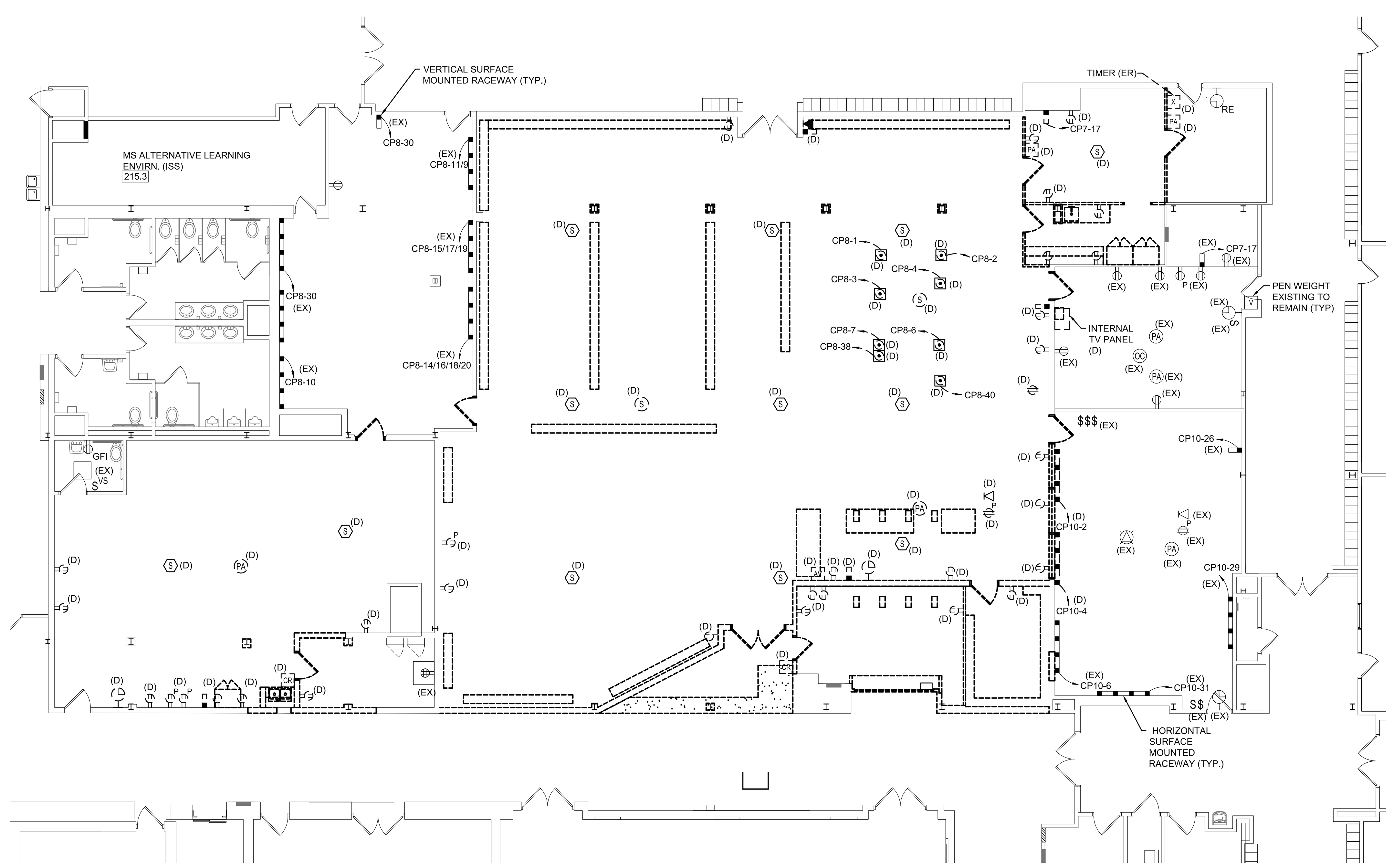
LIBRARY, BREAK ROOM, AND SURROUNDING SPACES LIGHTING DEMO PLAN

1 ED-100

SCALE: 1/8" = 1'0"

DEMOLITION KEY NOTES:

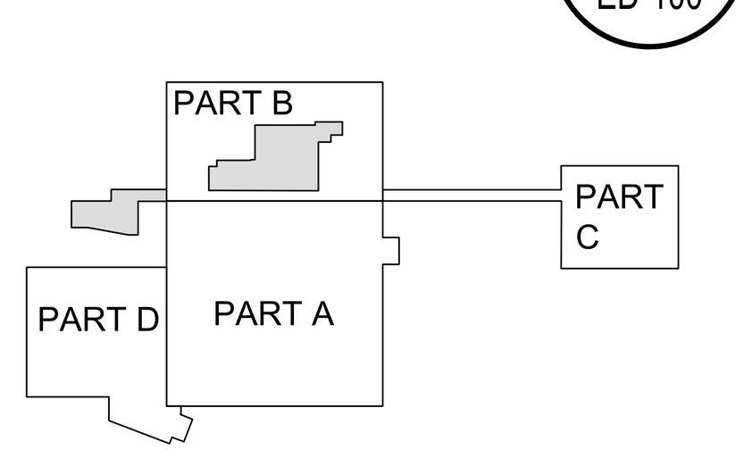
1. THREE (3) FIXTURES WITHIN EXISTING STAIRCASE TO BE REMOVED, 1 PER LANDING.



LIBRARY, BREAK ROOM, AND SURROUNDING SPACES POWER & SYSTEMS DEMO PLAN

2 ED-100

SCALE: 1/8" = 1'0"



KEY PLAN

GENERAL DEMOLITION NOTES:

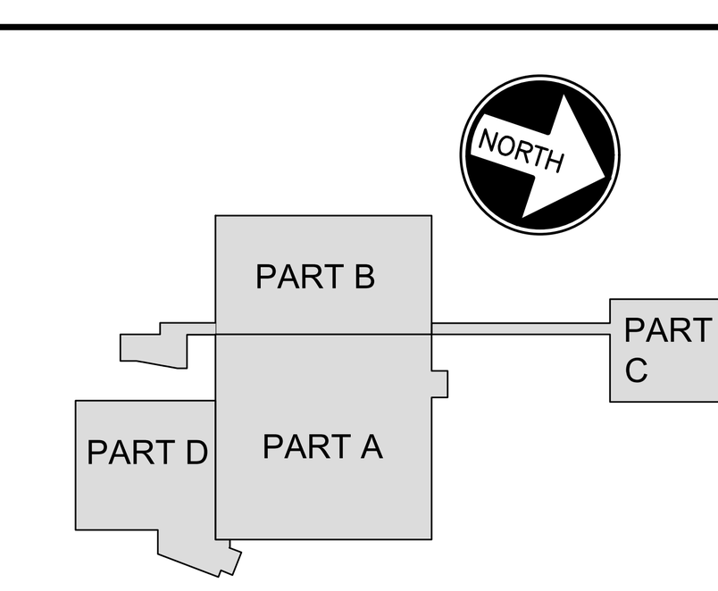
(APPLIES TO ALL ELECTRICAL DEMOLITION DRAWINGS)

1. THE INTENT OF THE DEMOLITION DRAWINGS IS TO GIVE THE E.C. AN OVERALL SCOPE OF WORK REQUIRED TO COMPLETE THIS PROJECT AND TO PROVIDE A COMPLETE CLEAN SPACE IN THE AREAS DESIGNATED FOR DEMOLITION PRIOR TO NEW CONSTRUCTION.
2. THE E.C. SHALL REMOVE ALL DEVICES. EQUIPMENT, LIGHTING FIXTURES, ETC. AS NOTED ON DEMOLITION DRAWINGS (LABELED 'D' OR IF TO BE RELOCATED LABELED 'RL'). REMOVALS SHALL INCLUDE ASSOCIATED EQUIPMENT NOT SHOWN (WIRING, CONDUIT, CABLING, HANGERS, TV MOUNTS, ETC.) UNLESS OTHERWISE NOTED. THE E.C. SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL OF POWER WIRING/CONDUIT, STARTERS, DISCONNECTS, ETC. FROM EQUIPMENT BEING REMOVED BY OTHER CONTRACTORS.
3. THE E.C. SHALL REMOVE ALL ITEMS NOTED ABOVE, HOWEVER ALL CHANGES CANNOT BE DETAILED COMPLETELY ON THE DRAWINGS, SOME REMOVALS AND RELOCATIONS OF EXISTING ELECTRIC WORK WILL BE NECESSARY FOR SATISFACTORY PERFORMANCE OF THIS AND OTHER TRADES. EXISTING CONDITIONS SHALL BE FEILD-VERIFIED PRIOR TO SUBMITTING BID.
4. THE E.C. IS CAUTIONED THAT WHEN PERFORMING DEMOLITION WORK CIRCUITRY SERVING AREAS OF THE BUILDING OUTSIDE THE WORK AREA MUST REMAIN IN OPERATION.
5. PROVIDE RECONNECTIONS AND TEMPORARY INSTALLATIONS AS REQUIRED; REMOVE AT JOB COMPLETION.
6. PRIOR TO THE START OF DEMOLITION, CHECK TO DETERMINE THAT POWER, COMMUNICATION SERVICES, ETC., SUCH AS ELECTRICITY AND TELEPHONE, HAVE BEEN DISCONNECTED AT THE SOURCE OF SUPPLY.
7. WHERE SYSTEM SERVE AREAS NOT BEING DEMOLISHED, MAINTAIN CONTINUOUS SERVICE ON FEEDERS, CIRCUITS OR PARTIAL CIRCUITS, AND OUTLETS AFFECTED BY THIS WORK, EXCEPT WHERE ARCHITECT GIVES WRITTEN PERMISSION FOR OUTAGE FOR SPECIFIED TIME. ALL WORK REQUIRING SHUT DOWN OF EXISTING SYSTEMS SHALL BE PERFORMED ON OVERTIME AT HOURS AS APPROVED BY THE ARCHITECT AND AT NO ADDITIONAL COST TO THE OWNER. SUBMIT SCHEDULE OF REQUIRED OUTAGES TO THE OWNER FOR APPROVAL. PERFORM WORK IN A MANNER TO MINIMIZE SHUTDOWN TIME.
8. WHEN DISCONNECTING EQUIPMENT FROM EXISTING CIRCUITS, IF EQUIPMENT IS CONNECTED TO THE CIRCUIT WHICH MUST REMAIN ACTIVE, THE CIRCUIT CONTINUITY SHALL BE MAINTAINED AS REQUIRED. WIRING FROM CIRCUITS BECOMING COMPLETELY INACTIVE SHALL BE REMOVED BACK TO THE SOURCE OF SUPPLY.
9. ANY AND ALL ABANDONED LOW VOLTAGE CABLING IN AREA OF DEMOLITION SHALL BE REMOVED IN ITS ENTIRETY BACK TO SOURCE. LOW VOLTAGE CABLING SHALL INCLUDE, BUT NOT BE LIMITED TO, TELEPHONE, DATA, FIRE ALARM, ETC.. COORDINATE THIS WORK WITH OWNER'S I.T. DEPARTMENT.
10. ALL FIRE ALARM DEVICES IN AFFECTED AREA SHALL BE PROTECTED FOR ALL NEW WORK, BUT CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF THE FIRE ALARM SYSTEM DEVICES INCLUDING EQUIPMENT NOT RELATED TO THIS SCOPE OF WORK.
11. THE E.C. IS RESPONSIBLE, AT HIS OWN EXPENSE, TO REPAIR ANY SERVICES OR DAMAGES CAUSED BY HIS DEMOLITION WORK.
12. THE CONTRACTOR SHALL FURNISH AND ERECT BARRIERS, AND MAINTAIN APPROVED DANGER, WARNING, AND "KEEP OUT" SIGNS AT LOCATIONS WHERE THE PLACING OF SUCH SIGNS IS WARRANTED FOR SAFETY OF ALL PERSONNEL NOT WORKING IN THIS AREA.
13. DEMOLITION SHALL BE PERFORMED IN SUCH A MANNER AS TO AVOID HAZARDS TO PERSONS AND PROPERTY, INTERFERENCE WITH THE USE OF ADJACENT PROPERTIES, AND INTERRUPTION OF FREE PASSAGE TO AND FROM SUCH PROPERTY. WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL MUNICIPAL, STATE AND FEDERAL RULES, REGULATIONS, CODES, AND LAWS WHICH MAY GOVERN AND APPLY TO THIS WORK.
14. DURING THE DEMOLITION WORK IN THE EFFECTED AREAS, THE BUILDING NON-WORK AREAS MUST BE PROTECTED FROM DUST, DIRT AND POSSIBLE WATER DAMAGE, TO THE OWNER'S SATISFACTION.
15. ALL AREAS SHALL BE CLEANED AND FREE OF ALL DEBRIS RESULTING FROM THE DEMOLITION WORK ON A DAILY BASIS.
16. THE E.C. SHALL INCLUDE IN THEIR PRICE THE TEMPORARY POWER & LIGHTING REQUIRED FOR THE DEMOLITION PROCESS, INCLUDING ANY PREMIUM TIME ASSOCIATED WITH SCHEDULING & REQUIREMENTS FROM THE OWNER. COORDINATE WITH GENERAL CONTRACTOR ON EXACT REQUIREMENTS.
17. THE OWNER RESERVES THE RIGHT TO CLAIMING ANY MATERIALS AND EQUIPMENT REMOVED DURING DEMOLITION THAT WILL NOT BE REUSED. REMOVE WITHOUT DAMAGE ALL SUCH EQUIPMENT AND TURN OVER AND DELIVER TO OWNER AT LOCATION DESIGNATED BY THE OWNER. THE E.C. IS RESPONSIBLE TO REMOVE FROM SITE ANY ABANDONED MATERIALS AND EQUIPMENT NOT CLAIMED BY THE OWNER.

DEMOLITION / RENOVATION KEY

(EX) INDICATES EXISTING ITEM TO REMAIN
(ER) INDICATES EXISTING ITEM TO BE RELOCATED IN NEW WORK
(D) INDICATES ITEM TO BE DEMOLISHED
(RL) INDICATES RELOCATED ITEM

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

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PROJECT TITLE:
Vestal
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
MEDIA CENTER & SURROUNDING SPACES DEMOLITION PLANS

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MLT / RFC	2025-151P
CHECKED BY:	DRAWING NO.:
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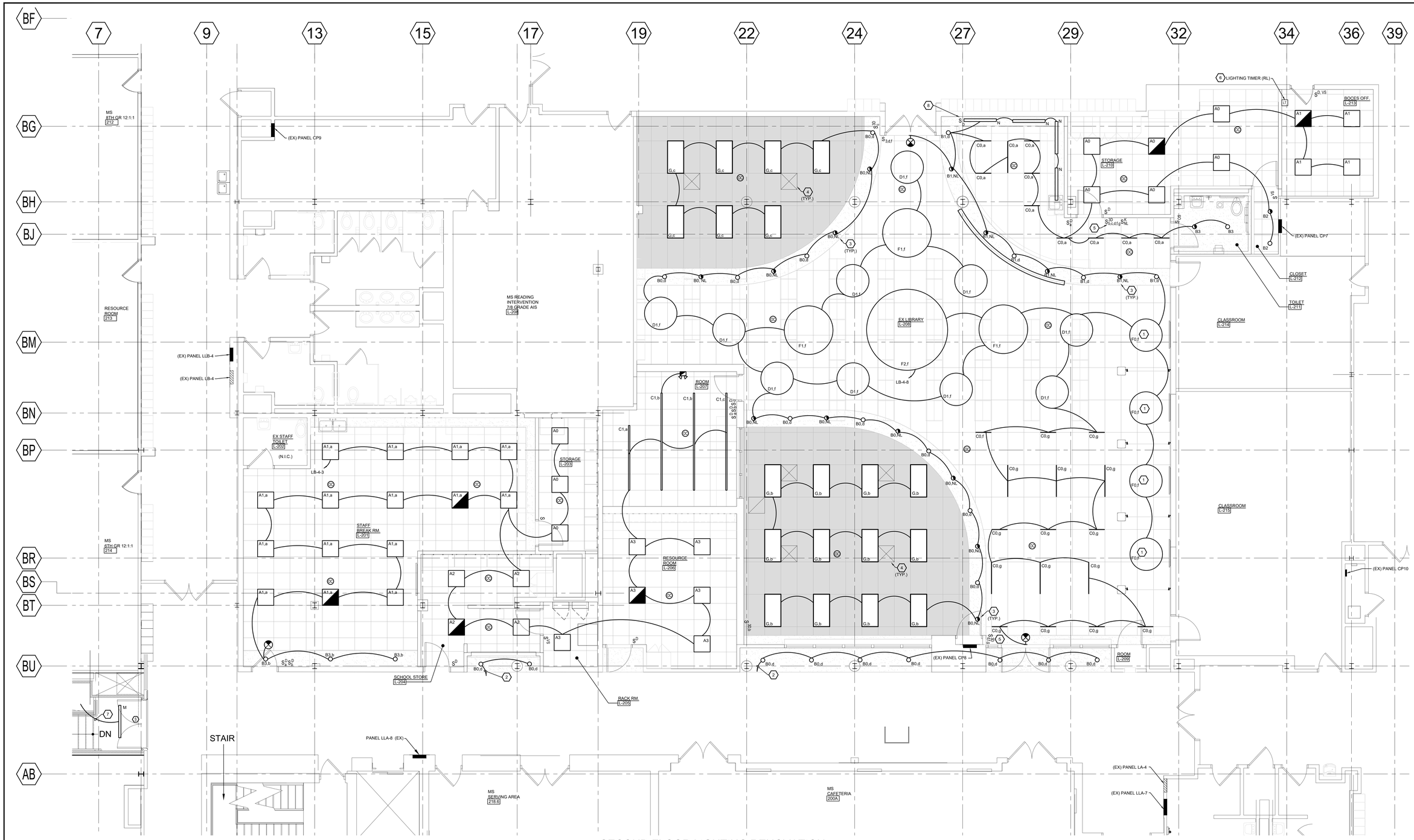
DATE:	
02-09-2026	



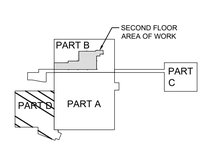
SECOND FLOOR LIGHTING RENOVATION
LIBRARY, STAFF BREAKROOM & SURROUNDING SPACES

1 / AR E-100

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

LIGHTING RENOVATION KEYNOTES:

1. LIGHTING FIXTURE TO INCLUDE ACOUSTICAL INFILL. INFILL TO BE PROVIDED WITH LIGHT FIXTURE. COORDINATE INFILL WITH ARCHITECT.
2. NEW SOFFIT LIGHTING TO BE CONNECTED TO AND CONTROLLED BY EXISTING CORRIDOR CIRCUIT.
3. FIXTURES LABELED 'NL' TO BE CONTROLLED BY KEY SWITCH, AND TO FUNCTION AS A NIGHT-LIGHT FIXTURE.
4. HVAC RETURN / SUPPLY VENT SHOWN FOR REFERENCE.
5. PROVIDE ONE (1) DIMMING SWITCH PER LIGHTING SWITCH LEG.
6. EXISTING OUTSIDE LIGHTING TIMER THAT WAS RELOCATED FROM DEMO. RECONNECT TO EXISTING CIRCUIT: LB-3-11, E.C. TO EXTEND WIRE AND CONDUIT AS REQUIRED.
7. TIE TO FIXTURE ON STEAM & FIRST FLOOR STAIR LANDING. SEE DETAIL 2 ON DRAWING E-102.
8. DIMMING SWITCH FOR UNDERCABINET LIGHTING FIXTURE TYPE 'N'.



KEY PLAN

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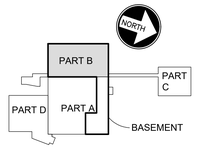

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PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
LIBRARY
LIGHTING RENOVATION PLAN

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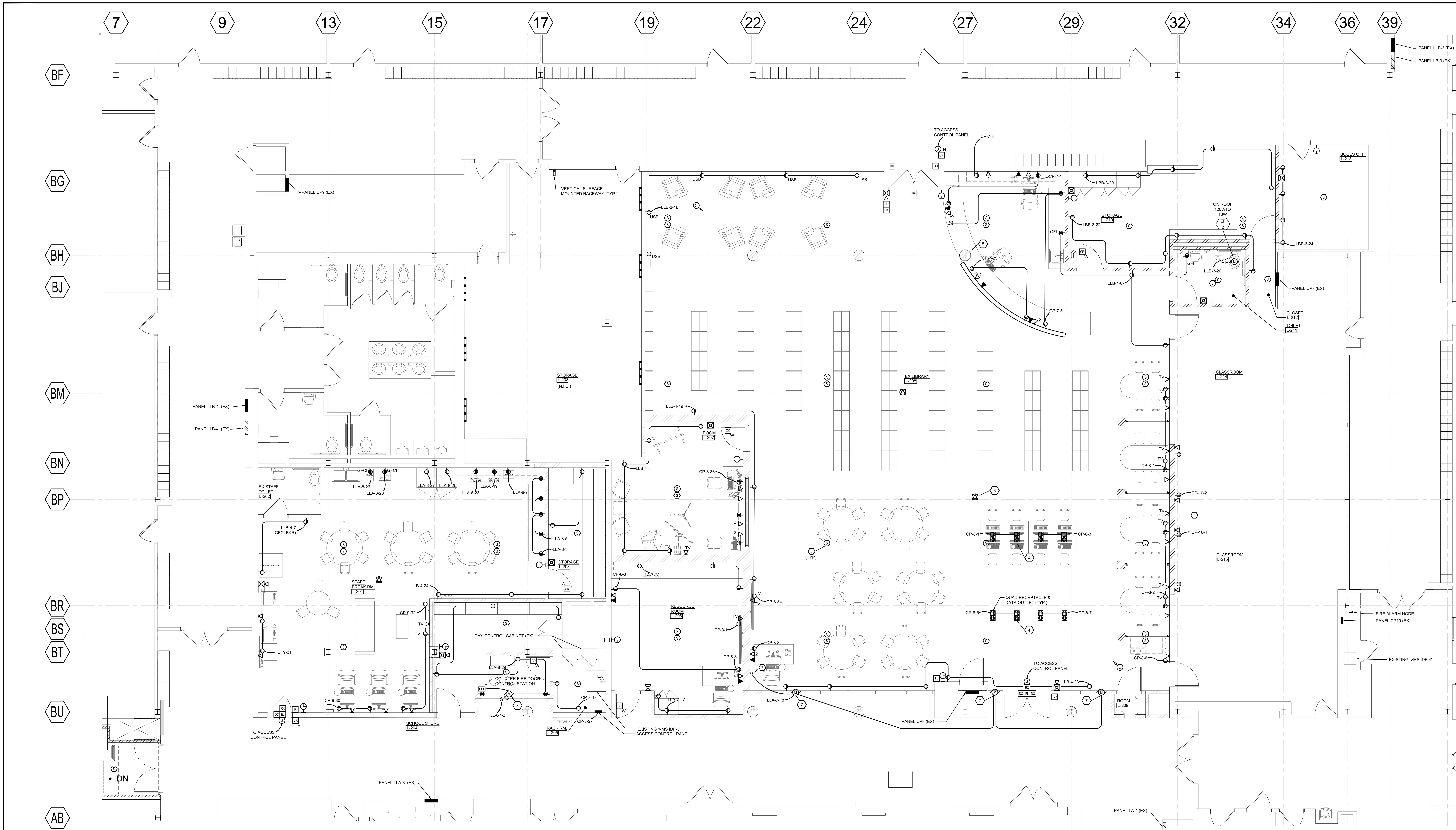
PLOT DATE: 2/5/2026



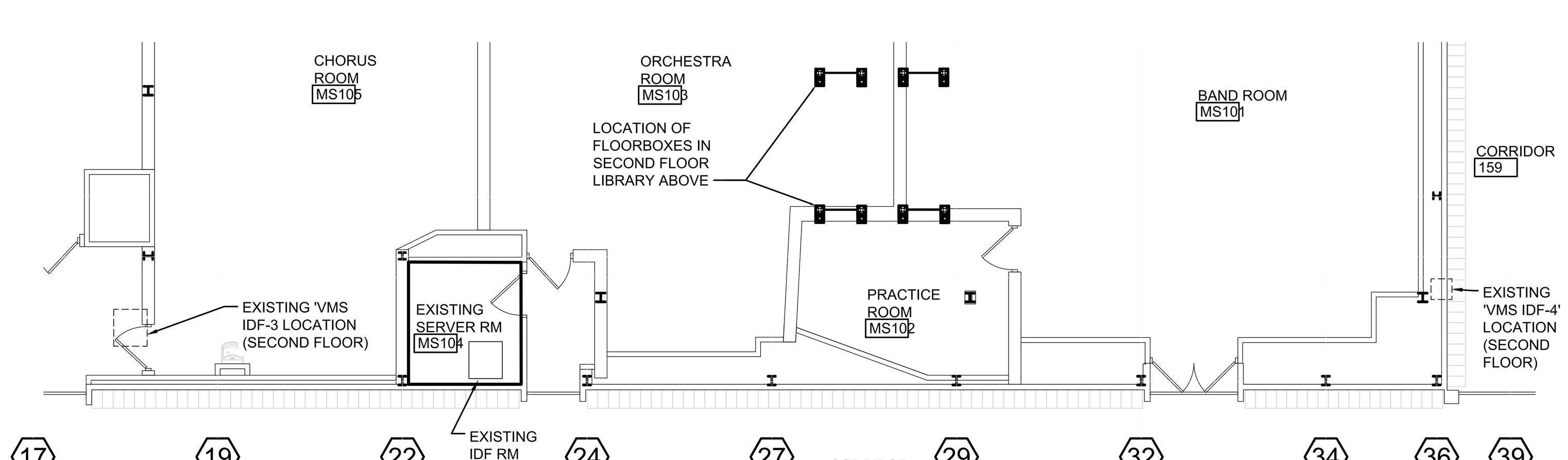
SECOND FLOOR POWER AND SYSTEMS
LIBRARY, STAFF BREAKROOM & SURROUNDING SPACES

1 AR E-101

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

ELECTRICAL POWER & SYSTEMS RENOVATION KEYNOTES:

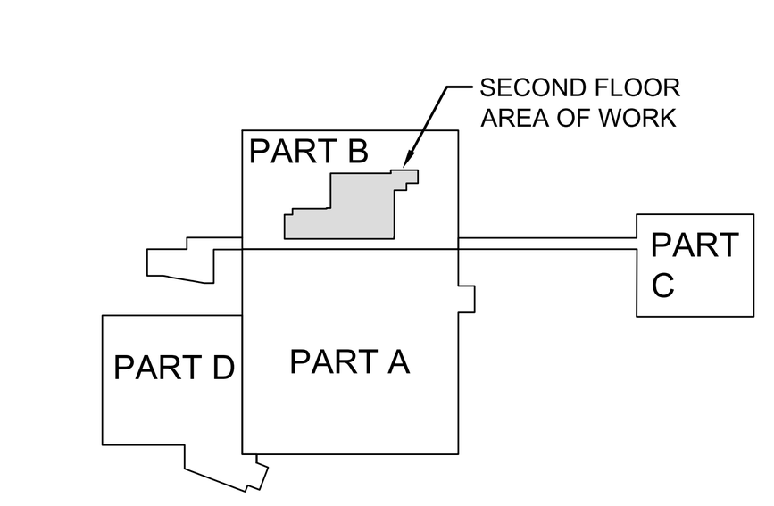
1. 120V-24V CONTROL TRANSFORMERS WITH SECONDARY CIRCUIT BREAKER FOR 24V VAV POWER SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING TO PRIMARY SIDE OF TRANSFORMERS AS INDICATED. MECHANICAL CONTRACTOR SHALL ALSO PROVIDE ALL WIRING FROM TRANSFORMER SECONDARY TO VAV'S.
2. COMBINATION FIRE/SMOKE DAMPER PROVIDED BY MECHANICAL CONTRACTOR. DAMPER IS A 120V POWERED HELD-OPEN DAMPER CONTROLLED BY THE FIRE ALARM CONTROL PANEL VIA LOCAL DUCT DETECTOR AUXILIARY CONTACTS. CIRCUIT TO 120V POWER PANEL LLB-3 USING 2#12,#12G, 3/4"C AND UTILIZING SPARE 20A/1P CIRCUIT BREAKER IN PANEL. PROVIDE A DUCT MOUNTED SMOKE DETECTOR ON AIR SUPPLY SIDE OF DAMPER. OPEN/CLOSE MONITORED BY HVAC SYSTEM. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.
3. E.C. TO RUN WIRELESS ACCESS POINT WIRING BACK TO IDF #3 IN RACK ROOM L-205
4. E.C. TO RUN POWER TO FLOOR BOX RECEPTACLES FROM PANEL CP-8, AND DATA CABLING FROM FIRST FLOOR SERVER ROOM MS104. VERIFY PREFERRED ROOM / IT RACK RACK WITH DISTRICT IT DEPT. SEE PARTIAL FIRST FLOOR PARTIAL PLAN ON THIS DRAWING FOR ALTERNATE SERVER ROOM LOCATIONS.
5. E.C. TO UTILIZE COLUMN OR WALL TO RUN CONDUIT AND CONNECT TO RECEPTACLES FOR ROUNDED COUNTER.
6. SEE DRAWING E-104 FOR FIRE ALARM MAIN PANEL LOCATION.
7. MOTORIZED WINDOW SHADE TO BE TIED TO LOCKDOWN SYSTEM. SWITCH, RELAY, AND SHADE TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
8. NEW MOTORIZED ROLLING COUNTER FIRE DOOR PROVIDED WITH THREE BUTTON PUSH BUTTON STATION (OPEN-CLOSE-STOP) AND WITH ALARMGARD FIRE MOTOR OPERATOR. DOOR TO AUTOMATICALLY CLOSE IN THE EVENT OF A FIRE ALARM. SYSTEM TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. MOTOR IS 1/3 HP, 120V-1PH, 3FLA.



FIRST FLOOR PARTIAL PLAN - IDF ROOM MS104 LOCATION

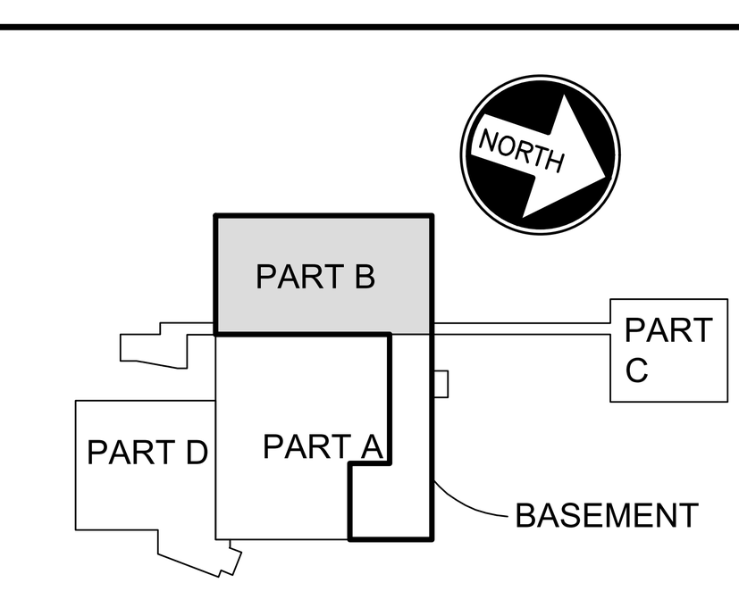
2 AR E-101

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



KEY PLAN

REVISIONS



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LIBRARY POWER & SYSTEMS RENOVATION PLAN

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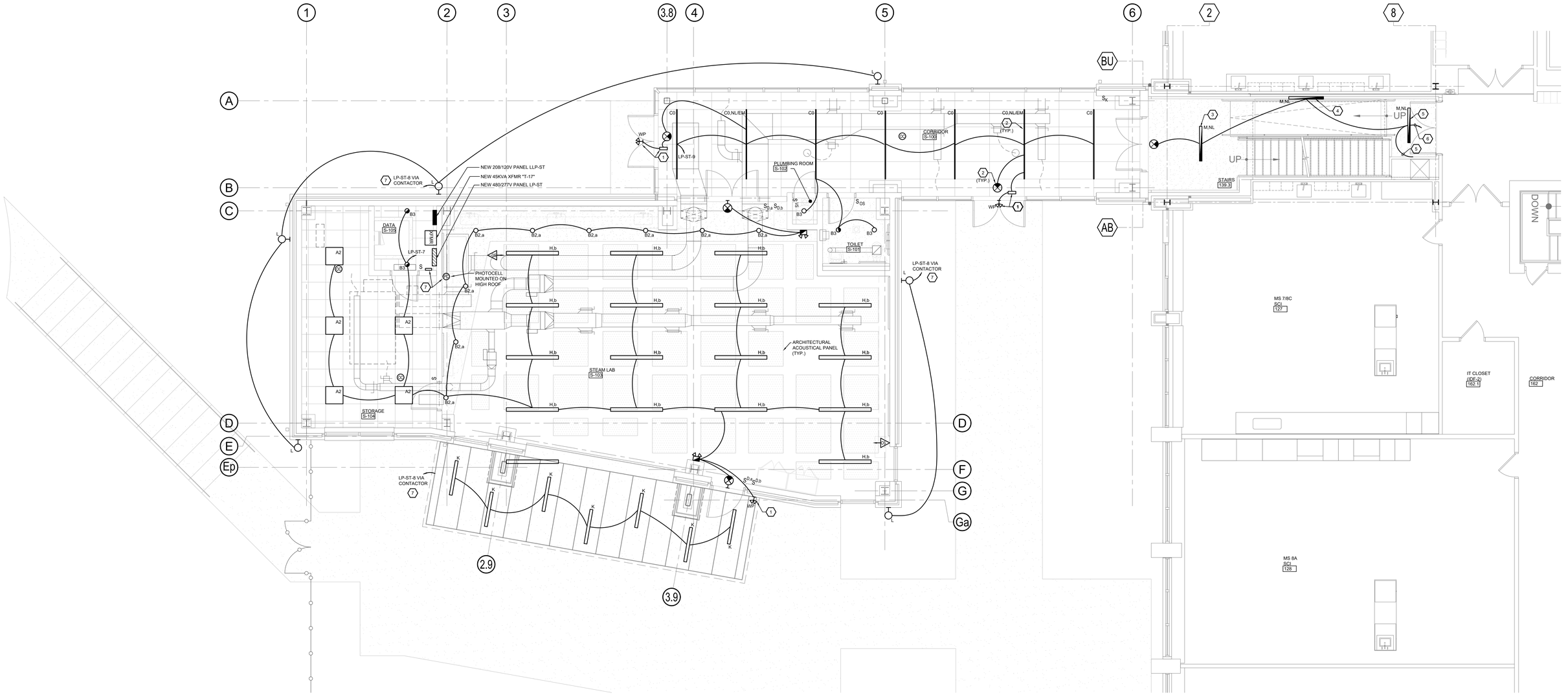
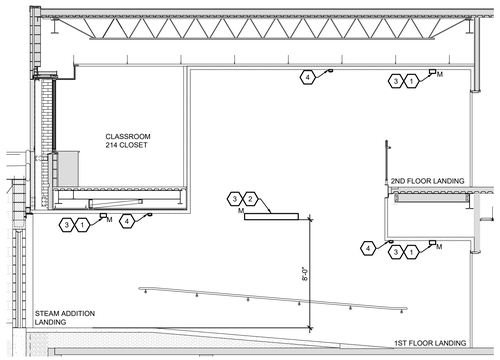


1 AR E-102 — FIRST FLOOR LIGHTING RENOVATION STEAM ADDITION

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

LIGHTING RENOVATION KEYNOTES:

1. REMOTE EXTERIOR TWIN HEAD FIXTURE. FIXTURE TO BE CONNECTED TO BATTERY LOCATED INSIDE THE BUILDING.
2. E.C. TO TIE EMERGENCY EGRESS NIGHTLIGHTING AND EXIT LIGHTING FIXTURES AHEAD OF SWITCHING.
3. FIXTURE TO BE CEILING MOUNTED.
4. FIXTURE TO BE WALL MOUNTED 8FT A.F.F. ABOVE THE STEAM ADDITION LANDING.
5. FIXTURE TO BE CEILING MOUNTED ABOVE FIRST FLOOR STAIR LANDING, WITH ADDITIONAL FIXTURE TO BE PROVIDED ON CEILING ABOVE THE SECOND FLOOR STAIR LANDING. SEE DETAIL 2 ON THIS SHEET FOR ADDITIONAL INFORMATION AND DRAWING E-100 FOR CONTINUATION.
6. CONNECT STAIR LIGHTING TO EXISTING STAIR LIGHTING CIRCUIT, EXTENDING CONDUIT AND WIRING AS REQUIRED.
7. PROVIDE NEW TORK TIMECLOCK AND NEMA 410 RATED CONTACTORS FOR EXTERIOR LIGHTING CONTROLS MOUNTED NEAR PANEL LP-ST. RUN NEW EXTERIOR BUILDING AND CANOPY CIRCUIT THROUGH LIGHTING CONTACTOR AND NEW PHOTOCELL. REFER TO DETAIL 3 - EXTERIOR LIGHTING WIRING DIAGRAM THIS SHEET.

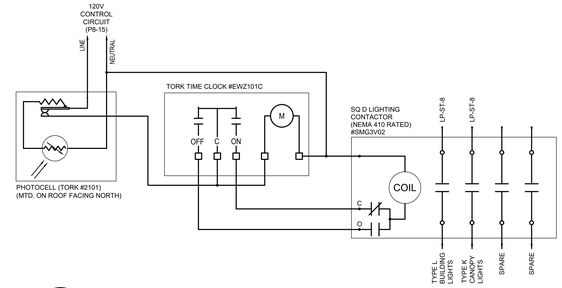


2 AR E-102 — STAIRCASE RENOVATION DETAIL

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

NOTES:

1. SURFACE MOUNTED TO LANDING CEILING. FIXTURE TO BE MOUNTED IN CENTER OF LANDING.
2. SURFACE MOUNTED TO WALL.
3. STAIR FIXTURES SHALL BE ON NIGHT LIGHTING TO REMAIN ON 24/7 AND SHALL BE PROVIDED WITH INTEGRAL OCCUPANCY SENSORS WHICH ARE PROGRAMMED TO DIM FIXTURES TO 10% WHEN STAIRWELL IS UNOCCUPIED, AND ILLUMINATE TO FULL BRIGHTNESS WHEN OCCUPANCY IS DETECTED. THESE FIXTURES SHALL ALSO TO BE PROVIDED WITH AN INTEGRAL BATTERY PACK WITH LABELING VISIBLE FROM GROUND INDICATING THEY CONTAIN INTERNAL BATTERIES. BATTERY BACKUP.
4. PROVIDE NEW SMOKE DETECTOR WITHIN STAIR TOWER.



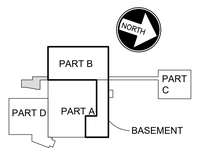
3 AR E-102 — EXTERIOR LIGHTING WIRING DIAGRAM

SCALE: NONE

NOTES:

1. MOUNT PHOTOCELL ON ROOF FACING NORTH.
2. PHOTOCELL SHALL FAIL IN THE "ON" POSITION

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND ASSOCIATES
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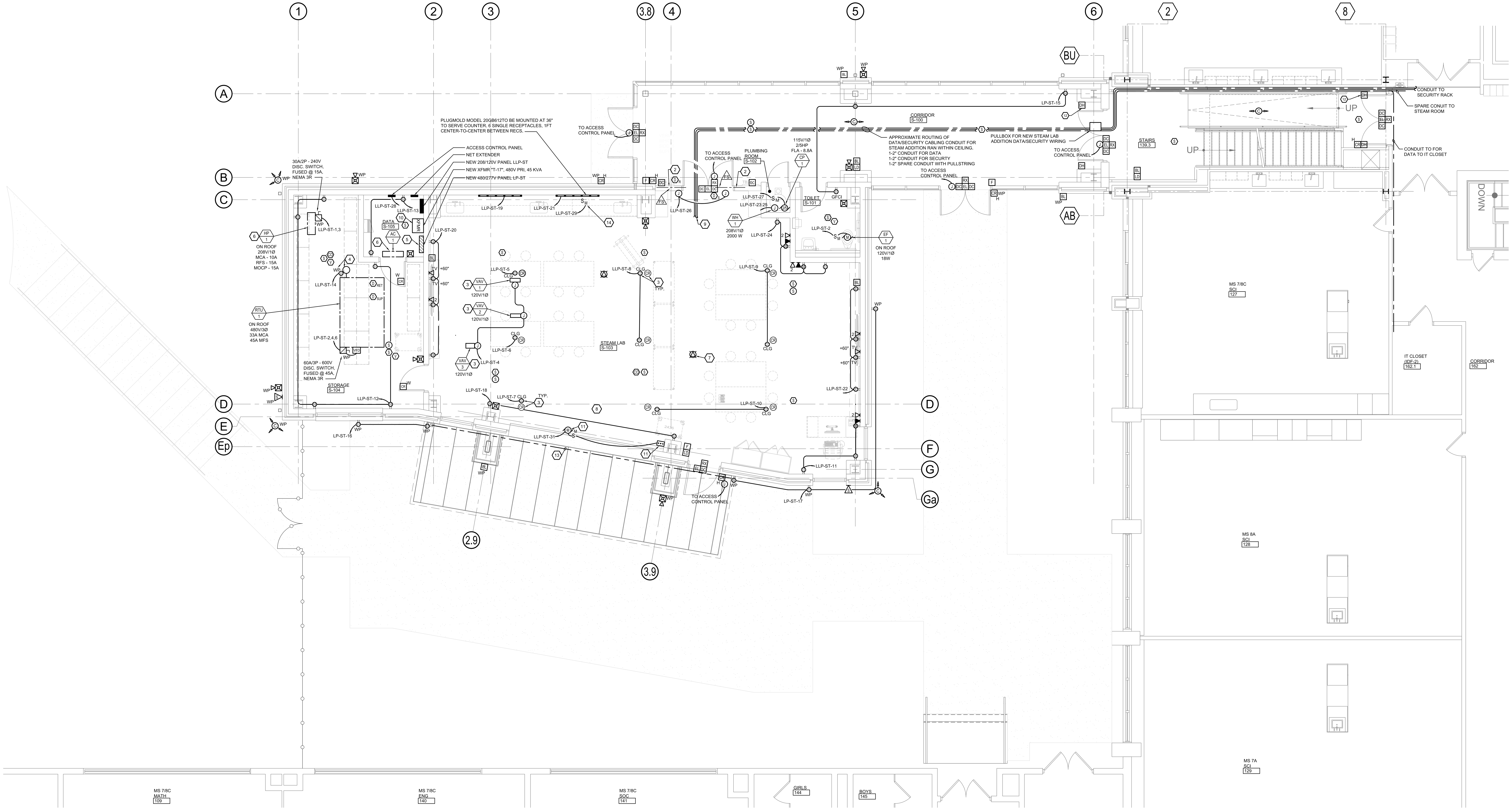
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
STEAM ADDITION LIGHTING PLAN

DRAWN BY: MLT / RFC	PROJECT NO.: 2025-151P
CHECKED BY: LKN	DRAWING NO.: E-102
DATE: 02-09-2026	

PHASE/BID PLOT DATE: 2/5/2026



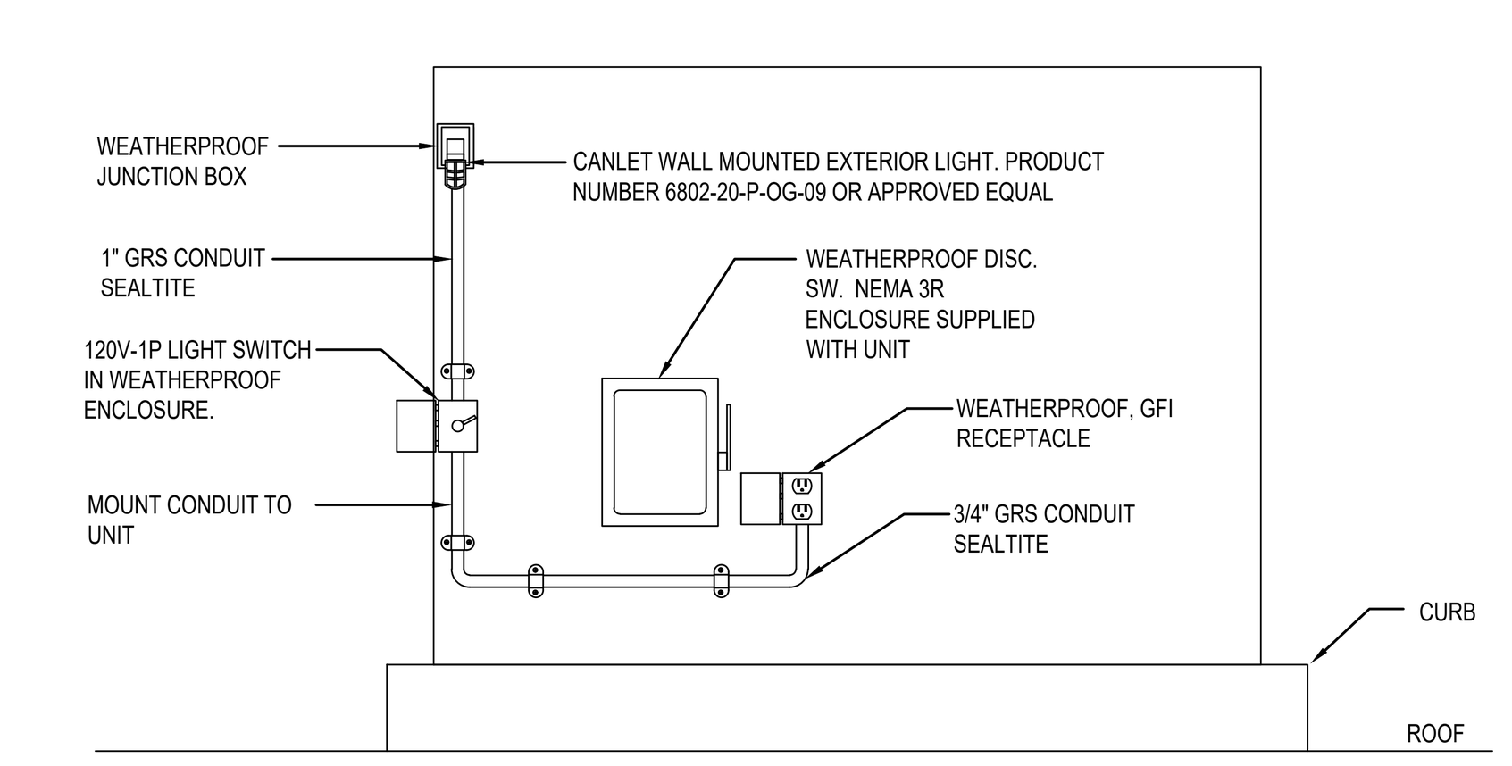
FIRST FLOOR STEAM LAB ADDITION POWER AND SYSTEMS PLAN

1 / AR E-103

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

ELECTRICAL POWER & SYSTEMS RENOVATION KEYNOTES

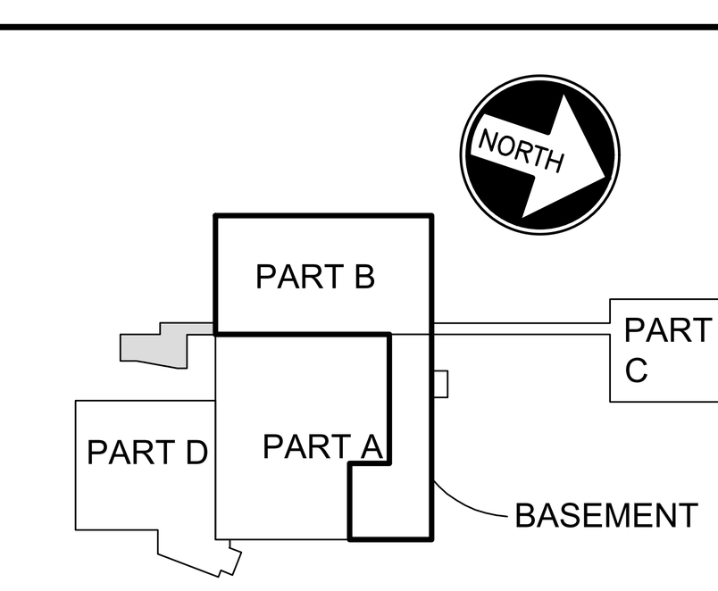
1. 120V-24V CONTROL TRANSFORMERS WITH SECONDARY CIRCUIT BREAKER FOR 24V VAV POWER SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING TO PRIMARY SIDE OF TRANSFORMERS AS INDICATED. MECHANICAL CONTRACTOR SHALL ALSO PROVIDE ALL WIRING FROM TRANSFORMER SECONDARY TO VAV'S.
2. COMBINATION FIRE/SMOKE DAMPER PROVIDED BY MECHANICAL CONTRACTOR. DAMPER IS A 120V POWERED HELD-OPEN DAMPER CONTROLLED BY THE FIRE ALARM CONTROL PANEL VIA LOCAL DUCT DETECTOR AUXILIARY CONTACTS. CIRCUIT TO A 20A BREAKER IN POWER PANEL LLP-ST USING 2#12,#12G, 3/4"C. PROVIDE A DUCT MOUNTED SMOKE DETECTOR ON AIR SUPPLY SIDE OF DAMPER. OPEN/CLOSE MONITORED BY HVAC SYSTEM. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.
3. ELECTRICAL CORD REEL AND CEILING RECEPTACLE. CORD REEL TO PLUG INTO CEILING RECEPTACLE.
4. RTU-STEAM MAINTENANCE LIGHT AND RECEPTACLE ON ROOF. SEE RTU DETAIL THIS SHEET FOR MORE INFORMATION.
5. NEW PANELS LP-ST, T-17, AND LLP-ST ARE FED FROM MDP, SEE DRAWING E-104 - CONDUIT ROUTING PLAN AND DRAWING E-300 - ONELINE DIAGRAM FOR MORE INFORMATION.
6. IN ADDITION TO POWER WIRING, PROVIDE 2#16 IN 3/4"C FROM OUTDOOR UNIT HP-1 TO INDOOR UNIT AC-1 IN DATA CLOSET S105.
7. RUN A SPARE CAT6 CABLE FOR SPARE WIRELESS ACCESS POINT CONNECTION.
8. ALL IT CONNECTIONS WITHIN THE STEAM LAB ADDITION ARE TO BE FROM A PATCH PANEL/SWITCH FOUND IN IDF-2 (IT CLOSET 162.1). COORDINATE ALL IT WORK WITH DISTRICT IT DEPARTMENT.
9. E.C. TO PROVIDE A (2) 2" CONDUITS FROM IT / SECURITY RACKS & (1) SPARE 2" CONDUIT TO STEAM ROOM.
10. E.C. TO PROVIDE A HOUSEKEEPING PAD FOR NEW TRANSFORMER PER SPECIFICATIONS.
11. NEW GARAGE DOOR. E.C. TO INSTALL DOOR CONTROLLER, SENSORS, AND ALL POWER CONNECTIONS FOR A FULLY OPERATIONAL SYSTEM. PROVIDE KEY OPERATED MOMENTARY PUSHBUTTON CONTROL STATION WITH FORWARD/REVERSE. PROVIDE PHOTO-ELECTRIC EYES MOUNTED ON JAMBS AT 12" A.F.F. AND 36" A.F.F. TO STOP AND REVERSE DOOR IF BEAM IS BROKEN. DOOR TO BE CONNECTED TO LOCKDOWN SYSTEM TO CLOSE UPON ACTIVATION OF LOCKDOWN.
12. PROVIDE POWER TO DOOR HOLD OPEN DEVICE TO BE PROVIDED WITH DOOR HARDWARE. TIE TO NEAREST RECEPTACLE CIRCUIT. PROVIDE NEW SMOKE DETECTORS ON EACH SIDE OF DOOR AND A CONTROL RELAY SO DOOR SHALL RELEASE UPON ACTIVATION OF FIRE ALARM.
13. GUTTER ICE MELT SYSTEM AS MANUFACTURED BY RAYCHEM, OR EQUAL. PROVIDE HEATING CABLE, RAYCHEM GM-2XT, ALONG LENGTH OF GUTTER. SYSTEM SHALL INCLUDE AN AUTOMATIC SNOW AND ICE MELTING CONTROLLER WITH INTEGRAL GROUND-FAULT EQUIPMENT PROTECTION, P/N GF PRO, A GUTTER-MOUNTED MOISTURE/TEMPERATURE SENSOR, P/N GIT-1, MOUNTED NEAR DOWNSPOUT, AND AN AERIAL-MOUNTED SNOW SENSOR, P/N SNOW-OWL. SYSTEM TO BE POWERED FROM LP-ST-10.
14. NEW UNDER CABINET DISHWASHER. BREAKER TO BE GFCI.



WORK LIGHT FIXTURE MOUNTING DETAIL AT ROOF TOP UNIT

N.T.S.

REVISIONS



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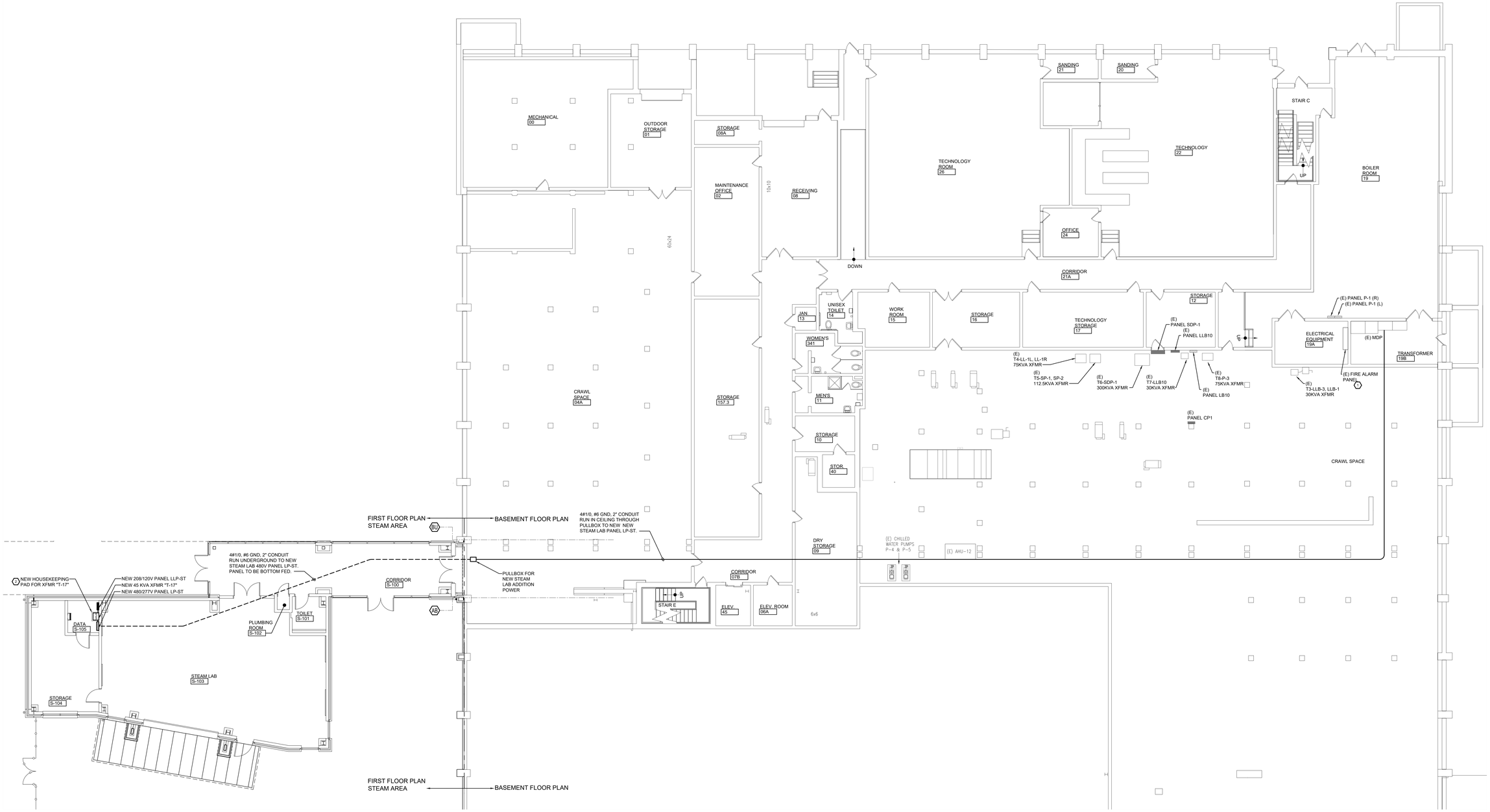
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:	STEAM ADDITION POWER AND SYSTEMS PLAN
DRAWN BY: MLT / RFC	PROJECT NO.: 2025-151P
CHECKED BY: LKN	DRAWING NO.: E-103
DATE: 02-09-2026	



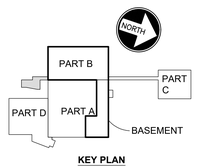
1 / AR E-104 CONDUIT ROUTING PLAN

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

NOTES:

1. EXISTING FIRE ALARM MAIN PANEL LOCATION.
2. PROVIDE NEW HOUSEKEEPING PAD FOR TRANSFORMER PER SPECIFICATIONS.

REVISIONS



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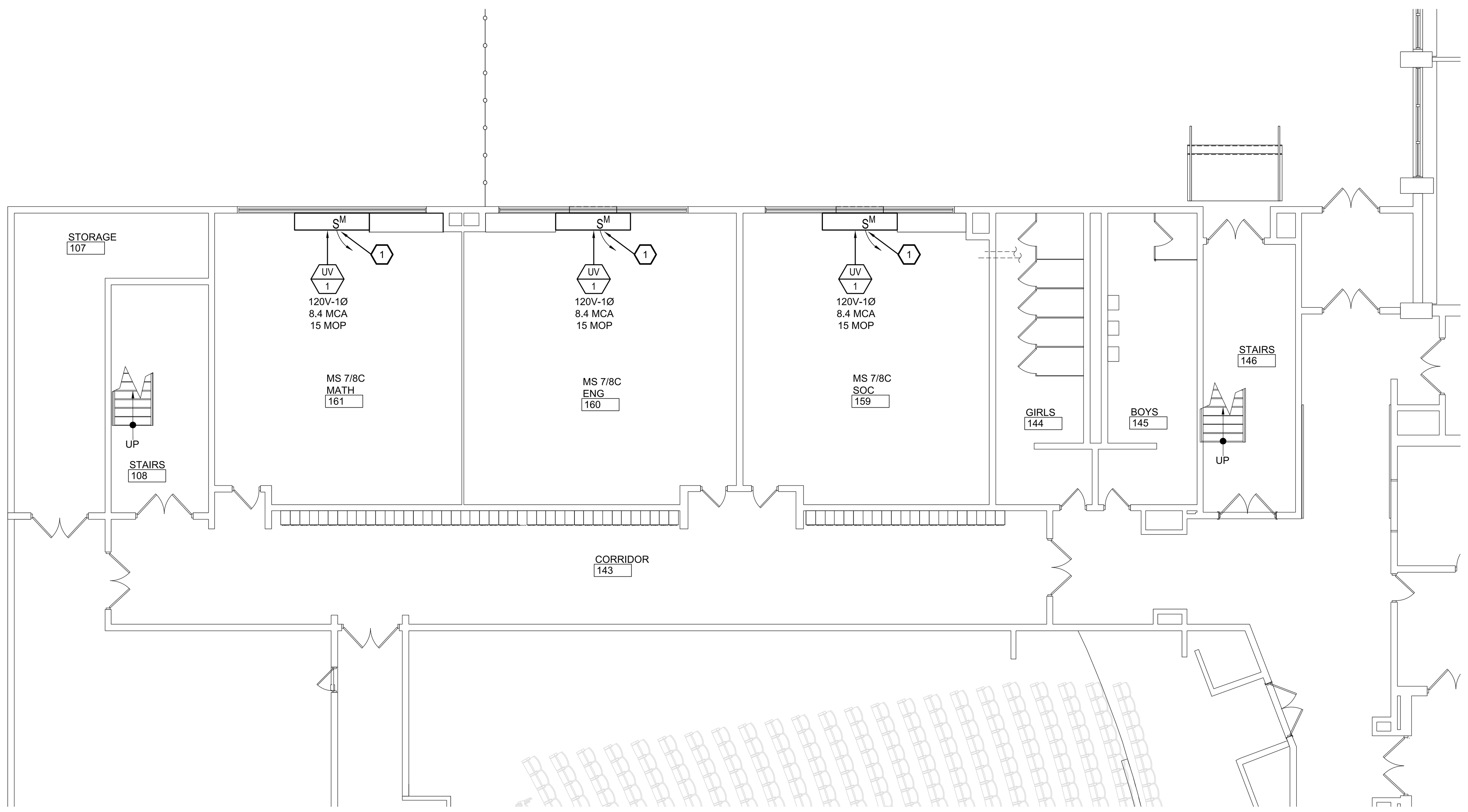
DRAWING TITLE:
STEAM ADDITION
CONDUIT ROUTING PLAN

DRAWN BY:	PROJECT NO.:
MLT / RFC	2025-151P
CHECKED BY:	DRAWING NO.:
LKN	E-104
DATE: 02-09-2026	

PLOT DATE: 2/9/2026



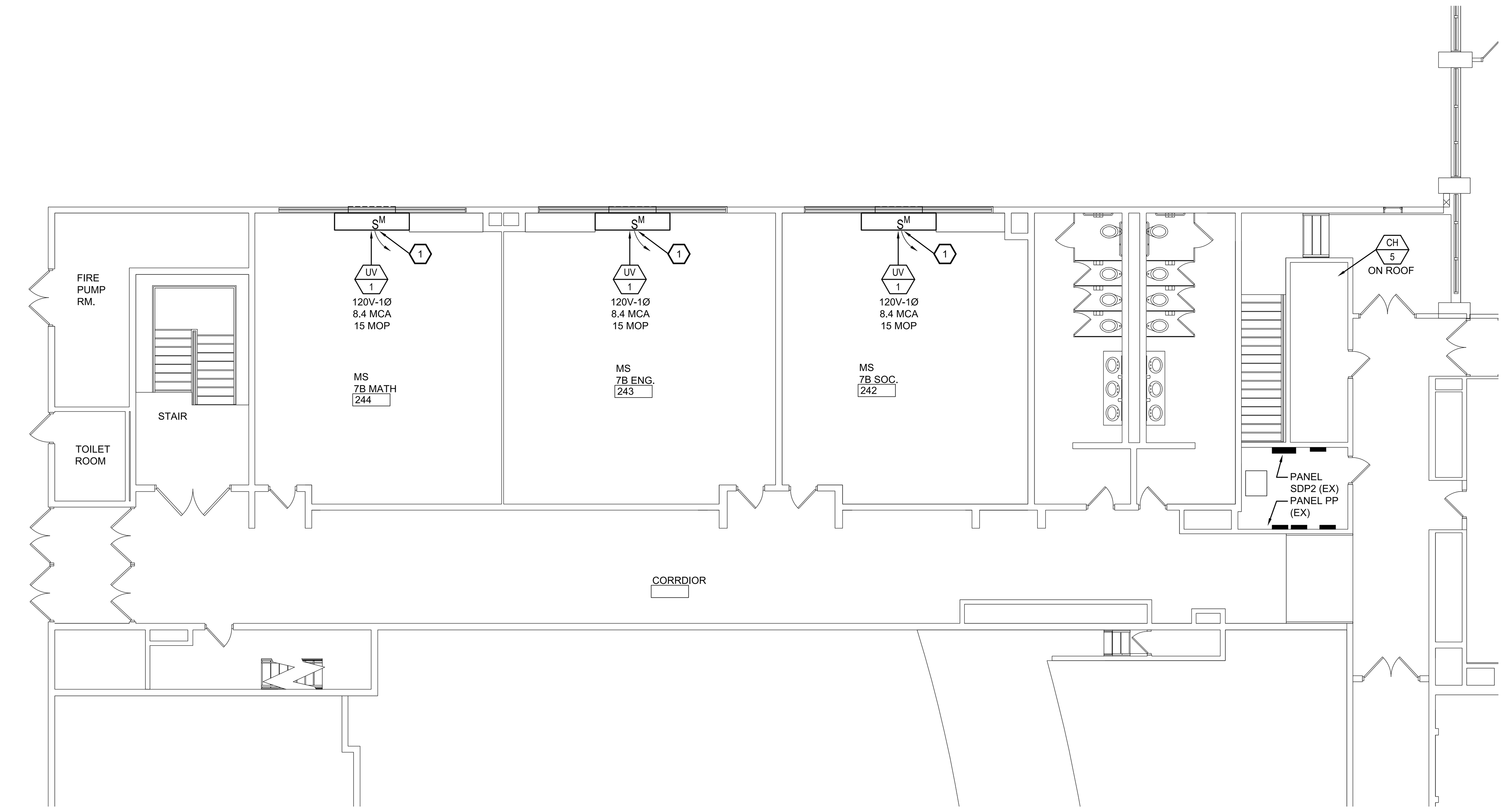
FIRST FLOOR - PART D ELECTRICAL RENOVATION PLAN

1 / AR E-105

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

ELECTRICAL RENOVATION KEYNOTES:

1. DISCONNECT POWER FROM EXISTING UNIT VENTILATOR TO BE REMOVED BY MECHANICAL CONTRACTOR. RECONNECT EXISTING POWER CIRCUIT TO NEW UNIT VENTILATOR, EXTENDING CONDUIT AND WIRE AS REQUIRED. DISCONNECT FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. CONTRACTOR SHALL VERIFY PANEL / CIRCUIT NUMBER AND ENSURE NO MORE THAN (2) NEW UNIT VENTILATORS ARE TIED TO AN EXISTING CIRCUIT.



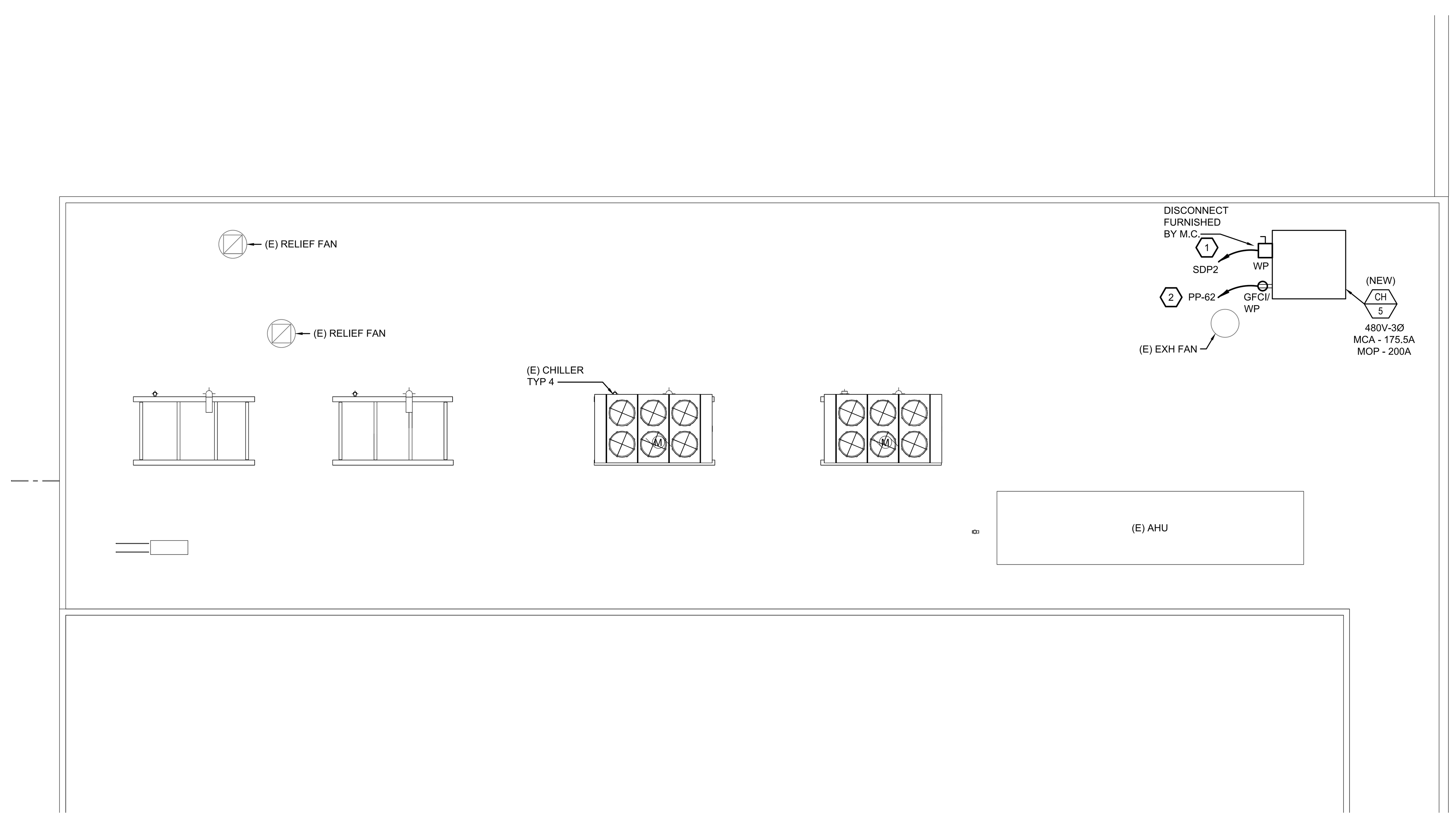
SECOND FLOOR - PART D ELECTRICAL RENOVATION PLAN

2 / AR E-105

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

ELECTRICAL RENOVATION KEYNOTES:

1. DISCONNECT POWER FROM EXISTING UNIT VENTILATOR TO BE REMOVED BY MECHANICAL CONTRACTOR. RECONNECT EXISTING POWER CIRCUIT TO NEW UNIT VENTILATOR, EXTENDING CONDUIT AND WIRE AS REQUIRED. DISCONNECT FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. CONTRACTOR SHALL VERIFY PANEL / CIRCUIT NUMBER AND ENSURE NO MORE THAN (2) NEW UNIT VENTILATORS ARE TIED TO AN EXISTING CIRCUIT.



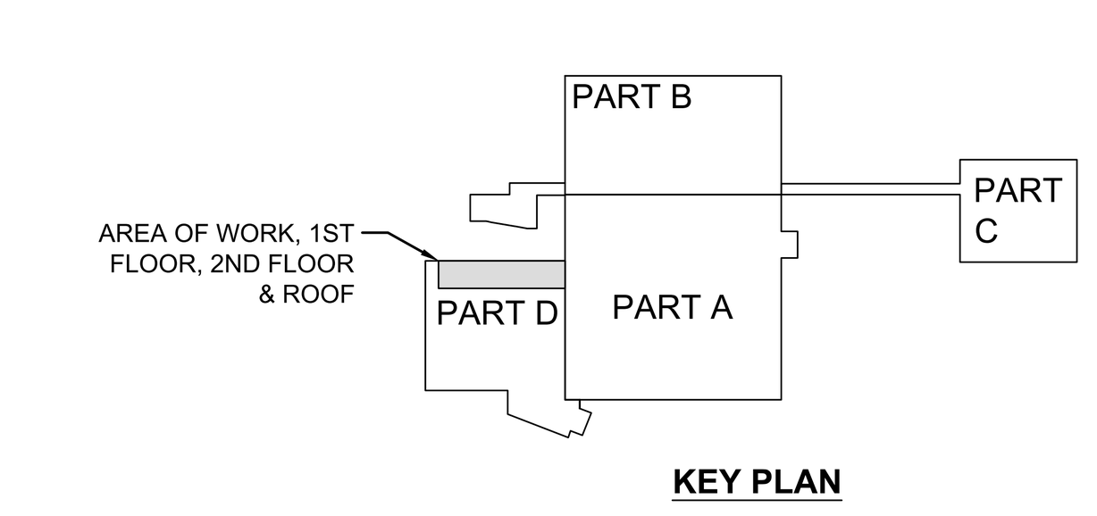
PARTIAL ROOF - PART D ELECTRICAL RENOVATION PLAN

3 / AR E-105

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

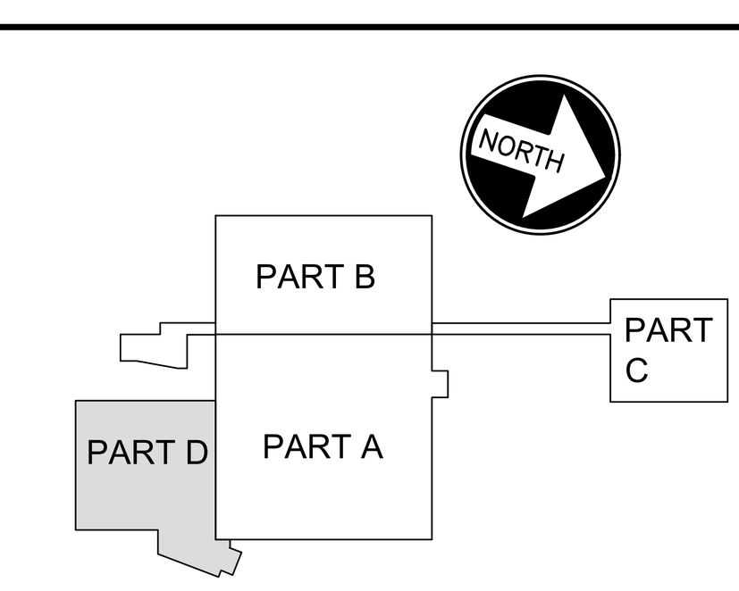
ELECTRICAL RENOVATION KEYNOTES

1. CIRCUIT NEW CHILLER ON ROOF TO EXISTING DISTRIBUTION PANEL SDP2. PROVIDE A NEW 200A/3P CIRCUIT BREAKER. REFER TO ONE LINE DIAGRAM ON DRAWING AR E-300 FOR WIRE/CONDUIT SIZING. DISCONNECT SWITCH TO BE PROVIDED BY MECHANICAL CONTRACTOR. COORDINATE EXACT CONNECTION POINT WITH MECHANICAL CONTRACTOR. CONTROLS SHALL BE BY THE MECHANICAL CONTRACTOR.
2. PROVIDE A GFCI RECEPTACLE WITH WEATHERPROOF WHILE-IN-USE COVER AT NEW CHILLER. CIRCUIT TO EXISTING ROOF RECEPTACLE CIRCUIT (PP-62) USING 2#12, #12G IN 3/4"C.



KEY PLAN

REVISIONS



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02-09-2026

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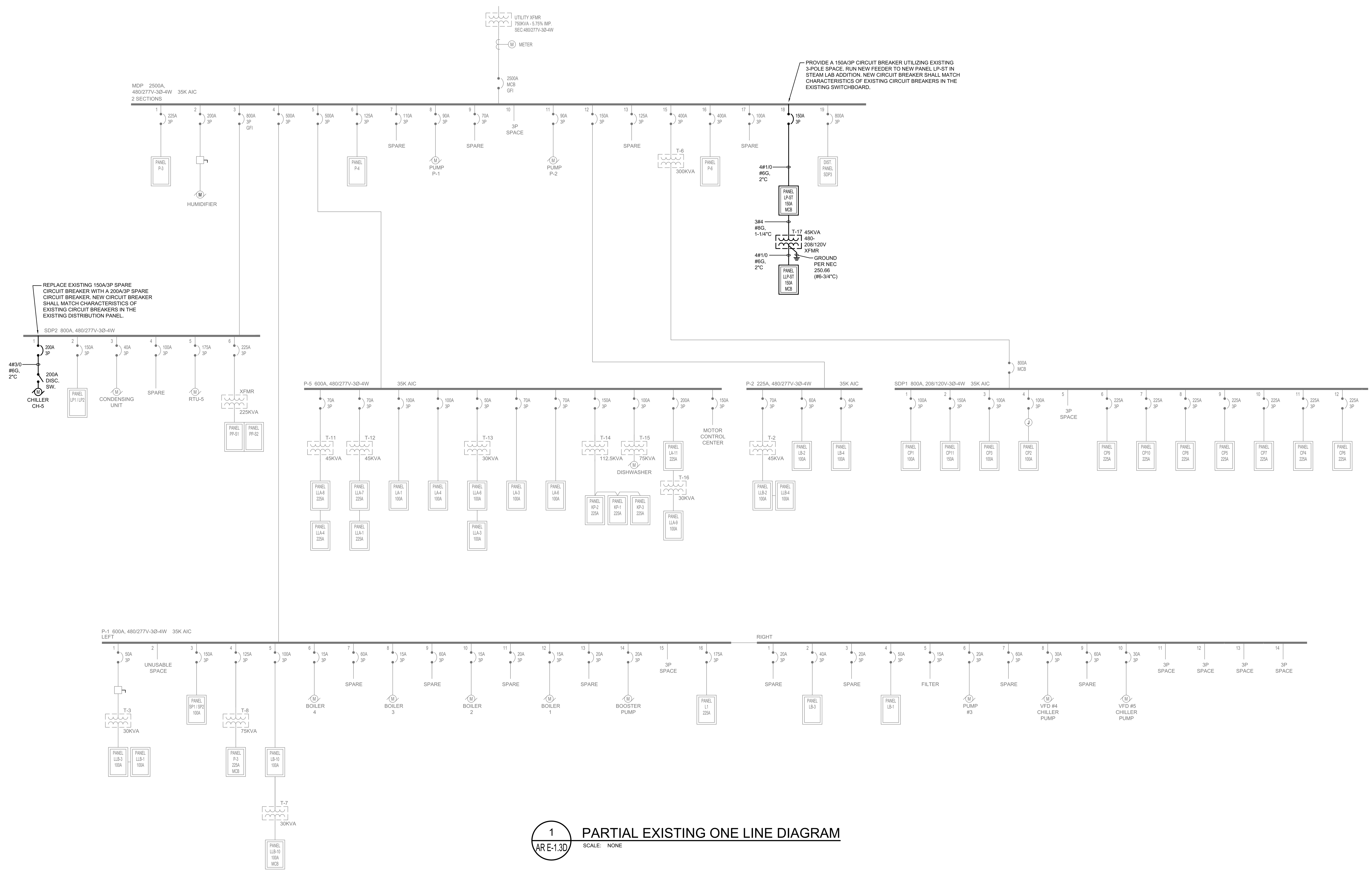
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
FIRST FLR, SECOND FLR, AND ROOF - PART D ELECTRICAL PLANS

DRAWN BY: MLT / RFC	PROJECT NO.: 2025-151P
CHECKED BY: LKN	DRAWING NO.:
DATE: 02-09-2026	E-105



PARTIAL EXISTING ONE LINE DIAGRAM

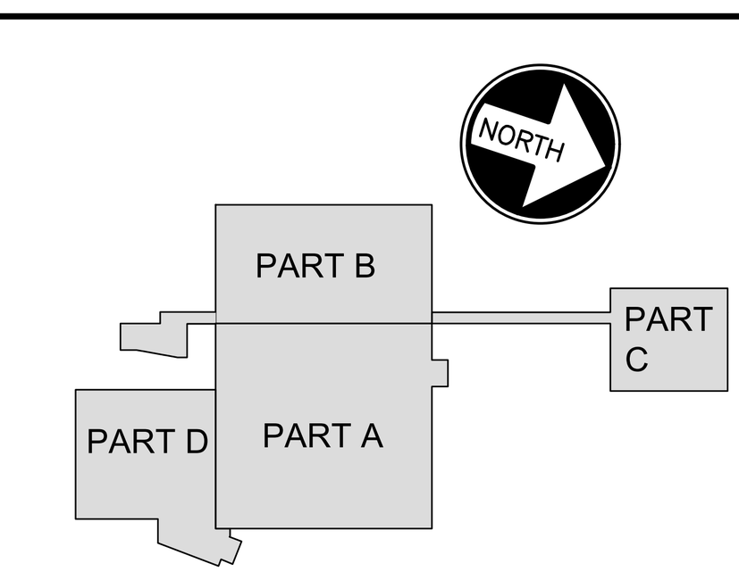
1
AR E-1.3D

SCALE: NONE

ONE LINE DIAGRAM NEW WORK NOTES:

1. EQUIPMENT SHOWN LIGHT IS EXISTING TO REMAIN AND EQUIPMENT TO BE REPLACED OR ADDED IS SHOWN BOLD.
2. ALL NEW POWER/LIGHTING PANELS SHALL BE PROVIDED WITH PLASTIC MOLDED CASE BOLT-ON TYPE, THERMAL MAGNETIC, FULLY RATED BRANCH CIRCUIT BREAKERS.
3. REFER TO PANEL SCHEDULE DRAWINGS FOR CIRCUIT BREAKER SIZES AND QUANTITIES.
4. COORDINATE ALL WORK AND REQUIRED SHUTDOWNS AND ANY EQUIPMENT / PANELS WHICH MUST REMAIN ACTIVE DURING RENOVATION WORK WITH OWNER. PROVIDE TEMPORARY POWER TO THIS EQUIPMENT / PANELS WHILE ALL WORK IS BEING COMPLETED. OBTAIN WRITTEN APPROVALS FOR ALL SHUTDOWNS (2) WEEKS PRIOR.

REVISIONS



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02-09-2026

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PROJECT TITLE:
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201 Main Street | Vestal, NY 13850

2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
ELECTRICAL
ONE-LINE DIAGRAM

DRAWN BY: MLT / RFC	PROJECT NO.: 2025-151P
CHECKED BY: LKN	DRAWING NO.: E-300
DATE: 02-09-2026	

CAD FILE: 5151-E300.DWG
PLOT DATE: 2/5/2026

EXISTING PANELBOARD SCHEDULE

DESIGNATION: CP-7
MAINS: 225A
TYPE: COMPUTER
O.C. DEVICE: MLO
VOLTAGE: 208/120V
MINIMUM O.C. DEVICE: -
INTERRUPTING RATING: EXISTING
LOCATION: LIBRARY CLOSET L212
FED BY: SDP1
MOUNTING: FLUSH
SINGLE PANEL ■
DOUBLE PANEL ☐
COMMON COVER ☐

CKT NO	POLE	TRIP	WIRE	G	C	LOAD	KVA Ø A		KVA Ø B		KVA Ø C		LOAD	C	G	WIRE	TRIP	POLE	CKT NO
1	1	20	2#12	#12	3/4"	RECS - LIBRARIAN COMPUTERS A	0.8	0.0	——	——	——	——	SPARE	-	-	-	-	1	2
3	1	20	2#12	#12	3/4"	RECS - LIBRARIAN PRINTER	——	——	0.8	0.0	——	——	SPARE	-	-	-	-	1	4
5	1	20	2#12	#12	3/4"	RECS - LIBRARIAN DESK	——	——	——	——	0.6	0.8	RM 208	-	-	-	-	1	6
7	1	20	-	-	-	SPACE	0.0	0.8	——	——	——	——	RM 208	-	-	-	-	1	8
9	1	-	-	-	-	SPACE	——	——	0.0	0.8	——	——	RM 207	-	-	-	-	1	10
11	1	-	-	-	-	SPACE	——	——	——	——	0.0	0.8	RM 207	-	-	-	-	1	12
13	1	-	-	-	-	RM 205	0.8	0.8	——	——	——	——	RM 206	-	-	-	-	1	14
15	1	-	-	-	-	RM 205	——	——	0.8	0.8	——	——	RM 206	-	-	-	-	1	16
17	1	-	-	-	-	RM 203, 216C	——	——	——	——	0.8	0.8	RM 204	-	-	-	-	1	18
19	1	-	-	-	-	RM 203	0.8	0.8	——	——	——	——	RM 204	-	-	-	-	1	20
21	1	-	-	-	-	RM 202	——	——	0.8	0.8	——	——	RM 201	-	-	-	-	1	22
23	1	-	-	-	-	RM 202	——	——	——	——	0.8	0.8	RM 201	-	-	-	-	1	24
25	1	20	2#12	#12	3/4"	RECS - LIBRARIAN COMPUTERS B	0.6	0.0	——	——	——	——	SPACE	-	-	-	-	1	26
27	1	-	-	-	-	SPARE	——	——	0.0	0.0	——	——	SPACE	-	-	-	-	1	28
29	1	-	-	-	-	SPARE	——	——	——	——	0.0	0.0	SPARE	-	-	-	-	1	30
31	1	-	-	-	-	SPARE	0.0	0.0	——	——	——	——	SPARE	-	-	-	-	1	32
33	1	-	-	-	-	SPARE	——	——	0.0	0.0	——	——	SPARE	-	-	-	-	1	34
35	1	-	-	-	-	SPACE	——	——	——	——	0.0	0.0	SPACE	-	-	-	-	1	36
37	1	-	-	-	-	SPACE	0.0	1.0	——	——	——	——	TVSS	-	-	-	-	/	38
39	1	-	-	-	-	SPACE	——	——	0.0	1.0	——	——						3	40
41	1	-	-	-	-	SPACE	——	——	——	——	0.0	1.0						/	42
						CONNECTED KVA PER PHASE	6.4		5.8		6.4								

TOTAL CONNECTED KVA 18.6
TOTAL DEMAND KVA 13.0
TOTAL DEMAND AMPERES 36.1

EXISTING PANELBOARD SCHEDULE

DESIGNATION: CP-8
MAINS: 225A
TYPE: COMPUTER
O.C. DEVICE: MLO
VOLTAGE: 208/120V
MINIMUM O.C. DEVICE: -
INTERRUPTING RATING: EXISTING
LOCATION: LIBRARY CLOSET
FED BY: SDP1
MOUNTING: FLUSH
SINGLE PANEL ■
DOUBLE PANEL ☐
COMMON COVER ☐

CKT NO	POLE	TRIP	WIRE	G	C	LOAD	KVA Ø A		KVA Ø B		KVA Ø C		LOAD	C	G	WIRE	TRIP	POLE	CKT NO
1	1	20	2#12	#12	3/4"	RECS - SOUTHWEST FLOORBOXES	0.8	1.2	——	——	——	——	RECS - STUDENT TABLE & TV E.	3/4"	#12	2#12	20	1	2
3	1	20	2#12	#12	3/4"	RECS - NORTHWEST FLOORBOXES	——	——	0.8	1.2	——	——	RECS - STUDENT TABLE & TV W.	3/4"	#12	2#12	20	1	4
5	1	20	2#12	#12	3/4"	RECS - SOUTHEAST FLOORBOXES	——	——	——	——	0.8	1.0	REC - STUDENT LIBRARY PRINTER	3/4"	#12	2#12	20	1	6
7	1	20	2#12	#12	3/4"	RECS - NORTHEAST FLOORBOXES	0.8	0.0	——	——	——	——	TEACHER RECS / PROJ - L206	3/4"	#12	2#12	20	1	8
9	1	20	-	-	-	WIREMOLD - COMPUTER RM 215B	——	——	0.8	0.8	——	——	WIREMOLD - COMPUTER RM 215B	-	-	-	20	1	10
11	1	20	-	-	-	WIREMOLD - COMPUTER RM 215B	——	——	——	——	0.8	0.8	WIREMOLD - COMPUTER RM 215B	-	-	-	20	1	12
13	1	20	-	-	-	WIREMOLD - COMPUTER RM 215B	0.8	0.8	——	——	——	——	WIREMOLD - COMPUTER RM 215B	-	-	-	20	1	14
15	1	20	-	-	-	WIREMOLD - COMPUTER RM 215B	——	——	0.8	0.8	——	——	S. VIDEO CEILING	-	-	-	20	1	16
17	1	20	-	-	-	WIREMOLD - COMPUTER RM 215B	——	——	——	——	0.8	0.4	GEN. RECS - IDF #3 RM	3/4"	#12	2#12	20	1	18
19	1	20	-	-	-	WIREMOLD - COMPUTER RM 215B	0.8	0.8	——	——	——	——	COMPUTER 215B	-	-	-	20	1	20
21	1	20	-	-	-	IDF - 3	——	——	0.8	0.8	——	——	RM 220	-	-	-	20	1	22
23	1	20	2#12	#12	3/4"	DOOR ACCESS PANEL - RACK RM L205	——	——	——	——	1.0	0.8	RM 221	-	-	-	20	1	24
25	1	20	-	-	-	RMS 218 B/D	0.8	0.8	——	——	——	——	RM 221	-	-	-	20	1	26
27	1	20	-	-	-	RM 222	——	——	0.8	0.8	——	——	RMS 219A/218/219	-	-	-	20	1	28
29	1	20	-	-	-	RM 222	——	——	——	——	0.8	0.8	COMPUTER 215B	-	-	-	20	1	30
31	1	20	-	-	-	RM 223	0.8	0.8	——	——	——	——	RM 220	-	-	-	20	1	32
33	1	20	-	-	-	RM 223	——	——	0.8	0.8	——	——	RECS - LIBRARIAN E. DESK & MONITOR	3/4"	#12	2#12	20	1	34
35	/	30	-	-	-	TVSS	——	——	——	——	1.0	0.8	RECS - STREAMING RM COMPUTERS	3/4"	#12	2#12	20	1	36
37	3						1.0	0.0	——	——	——	——	-	-	-	-	20	1	38
39	/						——	——	1.0	0.0	——	——	-	-	-	-	20	1	40
41	1	-	-	-	-	SPACE	——	——	——	——	0.0	0.0	SPACE	-	-	-	-	1	42
						CONNECTED KVA PER PHASE	10.2		11.0		8.8								

TOTAL CONNECTED KVA 30.0
TOTAL DEMAND KVA 21.0
TOTAL DEMAND AMPERES 58.3

NEW PANELBOARD SCHEDULE

DESIGNATION: LP-ST
MAINS: 150A
TYPE: APPLIANCE
O.C. DEVICE: MCB
VOLTAGE: 480/277V - 3Ø - 4W
MINIMUM O.C. DEVICE: -
INTERRUPTING RATING: SEE NOTE #5
LOCATION: STEAM POWER/DATA RM
FED BY: MDP
MOUNTING: FLUSH
SINGLE PANEL ■
DOUBLE PANEL ☐
COMMON COVER ☐

CKT NO	POLE	TRIP	WIRE	G	C	LOAD	KVA Ø A		KVA Ø B		KVA Ø C		LOAD	C	G	WIRE	TRIP	POLE	CKT NO
1	/	50	4#6	#10	1"	TRANSFORMER #17 PANEL LLP-ST	7.4	7.3	——	——	——	——	RTU - 1 ROOF OVER STEAM STOR. ROOM	1"	#10	3#6	45	/	2
3	3						——	——	7.6	7.3	——	——						3	4
5	/						——	——	——	——	8.1	7.3						/	6
7	1	20	2#12	#12	3/4"	LIGHTING - STEAM LAB, STOR, DATA RM	1.7	0.8	——	——	——	——	LIGHTING - STEAM EXTERIOR	3/4"	#12	2#12	20	1	8
9	1	20	2#12	#12	3/4"	LIGHTING - STEAM CORR. / TOILET / STAIRS	——	——	0.5	1.5	——	——	GUTTER ICE MELT - STEAM CANOPY	3/4"	#12	2#12	20	1	10
11	1	20	-	-	-	SPARE	——	——	——	——	0.0	0.0	SPACE	-	-	-	-	1	12
13	1	20	-	-	-	SPARE	0.0	0.0	——	——	——	——	SPACE	-	-	-	-	1	14
15	1	20	-	-	-	SPARE	——	——	0.0	0.0	——	——	SPACE	-	-	-	-	1	16
17	1	-	-	-	-	SPACE	——	——	——	——	0.0	0.0	SPACE	-	-	-	-	1	18
19	1	-	-	-	-	SPACE	0.0	0.0	——	——	——	——	SPACE	-	-	-	-	1	20
21	1	-	-	-	-	SPACE	——	——	0.0	0.0	——	——	SPACE	-	-	-	-	1	22
23	1	-	-	-	-	SPACE	——	——	——	——	0.0	0.0	SPACE	-	-	-	-	1	24
25	1	-	-	-	-	SPACE	0.0	0.0	——	——	——	——	SPACE	-	-	-	-	1	26
27	1	-	-	-	-	SPACE	——	——	0.0	0.0	——	——	SPACE	-	-	-	-	1	28
29	1	-	-	-	-	SPACE	——	——	——	——	0.0	0.0	SPACE	-	-	-	-	1	30
31	1	-	-	-	-	SPACE	0.0	0.0	——	——	——	——	SPACE	-	-	-	-	1	32
33	1	-	-	-	-	SPACE	——	——	0.0	0.0	——	——	SPACE	-	-	-	-	1	34
35	1	-	-	-	-	SPACE	——	——	——	——	0.0	0.0	SPACE	-	-	-	-	1	36
37	1	-	-	-	-	SPACE	0.0	0.0	——	——	——	——	SPACE	-	-	-	-	1	38
39	1	-	-	-	-	SPACE	——	——	0.0	0.0	——	——	SPACE	-	-	-	-	1	40
41	1	-	-	-	-	SPACE	——	——	——	——	0.0	0.0	SPACE	-	-	-	-	1	42
						CONNECTED KVA PER PHASE	17.2		16.9		15.4								

TOTAL CONNECTED KVA 49.5
TOTAL DEMAND KVA 34.7
TOTAL DEMAND AMPERES 41.7

EXISTING PANELBOARD SCHEDULE

DESIGNATION: CP-9
MAINS: 225A
TYPE: COMPUTER
O.C. DEVICE: MLO & SURGE
VOLTAGE: 208/120V - 3Ø - 4W
MINIMUM O.C. DEVICE: -
INTERRUPTING RATING: EXISTING
LOCATION: RM 215C
FED BY: SDP1
MOUNTING: FLUSH
SINGLE PANEL ■
DOUBLE PANEL ☐
COMMON COVER ☐

CKT NO	POLE	TRIP	WIRE	G	C	LOAD	KVA Ø A		KVA Ø B		KVA Ø C		LOAD	C	G	WIRE	TRIP	POLE	CKT NO
1	1	20	-	-	-	EXISTING LOAD	0.8	0.8	——	——	——	——	RM 209	-	-	-	20	1	2
3	1	20	-	-	-	EXISTING LOAD	——	——	0.8	0.8	——	——	RM 209	-	-	-	20	1	4
5	1	20	-	-	-	RM 210	——	——	——	——	0.8	0.8	EXISTING LOAD	-	-	-	20	1	6
7	1	20	-	-	-	RM 210	0.8	0.8	——	——	——	——	EXISTING LOAD	-	-	-	20	1	8
9	1	20	-	-	-	EXISTING LOAD	——	——	0.8	0.8	——	——	EXISTING LOAD	-	-	-	20	1	10
11	1	20	-	-	-	EXISTING LOAD	——	——	——	——	0.8	0.8	EXISTING LOAD	-	-	-	20	1	12
13	1	20	-	-	-	EXISTING LOAD	0.8	0.8	——	——	——	——	RM 215	-	-	-	20	1	14
15	1	20	-	-	-	RM 211	——	——	0.8	0.8	——	——	RM 215C	-	-	-	20	1	16
17	1	20	-	-	-	RM 211	——	——	——	——	0.8	0.8	RM 212	-	-	-	20	1	18
19	1	20	-	-	-	RM 213	0.8	0.8	——	——	——	——	RM 212	-	-	-	20	1	20
21	1	20	-	-	-	RM 213	——	——	0.8	0.8	——	——	RM 214	-	-	-	20	1	22
23	1	20	-	-	-	EXISTING LOAD	——	——	——	——	0.8	0.8	RM 214	-	-	-	20	1	24
25	1	20	-	-	-	EXISTING LOAD	0.8	0.8	——	——	——	——	EXISTING LOAD	-	-	-	20	1	26
27	1	20	-	-	-	EXISTING LOAD	——	——	0.8	0.8	——	——	EXISTING LOAD	-	-	-	20	1	28
29	1	20	-	-	-	EXISTING LOAD	——	——	——	——	0.8	0.4	TEACH LOUNGE S. / CENTER COMPUTERS	3/4"	#12	2#12	20	1	30 *
* 31	1	20	2#12	#12	3/4"	RECS - TEACH LOUNGE PRINTERS	0.8	0.4	——	——	——	——	RECS - TEACH LOUNGE N. COMPUTER / TV	3/4"	#12	2#12	20	1	32 *
33	1	20	-	-	-	SPACE	——	——	0.0	0.0	——	——	SPACE	-	-	-	20	1	34
35	1	20	-	-	-	SPACE	——	——	——	——	0.0	0.0	SPACE	-	-	-	20	1	36
37	1	30	-	-	-	TVSS	0.0	0.0	——	——	——	——	SPACE	-	-	-	20	1	38
39							——	——	0.0	0.0	——	——	SPACE	-	-	-	20	1	40
41							——	——	——	——	0.0	0.0	SPACE	-	-	-	20	1	42
						CONNECTED KVA PER PHASE	9.2		8.0		7.6								

* E.C. TO PROVIDE NEW BREAKER FOR NEW CIRCUT.

TOTAL CONNECTED KVA 24.8
TOTAL DEMAND KVA 17.4
TOTAL DEMAND AMPERES 48.2

EXISTING PANEL SCHEDULE

DESIGNATION: LLA-7
MAINS: 225A
TYPE: APPLIANCE
O.C. DEVICE: MLO
VOLTAGE: 208/120V-3Ø-4W
MINIMUM O.C. DEVICE: -
INTERRUPTING RATING: EXISTING
LOCATION: COORIDOR 218.99
FED BY: P5 VIA XFMR T12
MOUNTING: FLUSH
SINGLE PANEL ■
DOUBLE PANEL ☐
COMMON COVER ☐

CKT NO	POLE	TRIP	WIRE	G	C	LOAD	KVA Ø A		KVA Ø B		KVA Ø C		LOAD	C	G	WIRE	TRIP	POLE	CKT NO
1	1	15	-	-	-	SOUTHEAST LOBBY	0.8	0.6	——	——	——	——	STUDENT STORE WINDOW	3/4"	#12	2#12	20	1	2 ***
3	1	20	-	-	-	SOUTHEAST LOBBY	——	——	0.8	0.8	——	——	NORTHEAST LOBBY	-	-	-	20	1	4
5	1	20	-	-	-	SOUTHEAST LOBBY EM.	——	——	——	——	0.8	0.8	NORTHEAST LOBBY	-	-	-	20	1	6
7	1	20	-	-	-	SOUTHWEST LOBBY	0.8	0.8	——	——	——	——	NORTHEAST LOBBY	-	-	-	20	1	8
9	1	20	-	-	-	SOUTHWEST LOBBY	——	——	0.8	0.8	——	——	NORTHWEST LOBBY	-	-	-	20	1	10
11	1	20	-	-	-	SOUTHWEST LOBBY	——	——	——	——	0.8	0.8	NORTHWEST LOBBY	-	-	-	20	1	12
13	1	20	-	-	-	CAFE VENDING	0.8	0.8	——	——	——	——	NORTHWEST LOBBY	-	-	-	20	1	14
15	1	20	-	-	-	RECS - SCIENCE 226	——	——	0.8	0.8	——	——	LOBBY HALL LIGHTS	-	-	-	20	1	16
17	1	20	-	-	-	RECS - SCIENCE 226	——	——	——	——	0.8	0.6	LIBRARY MOTORIZED SHADES	3/4"	#12	2#12	20	1	18 **
19	1	20	-	-	-	RECS - SCIENCE 226	0.8	0.8	——	——	——	——	RECS - 227 WINDOW	-	-	-	20	1	20
21	1	20	-	-	-	RECS - 224	——	——	0.8	0.8	——	——	EF-4, F-8	-	-	-	20	1	22
23	1	20	-	-	-	EXIT LIGHTS / POWER RELAY FOR DOORS	——	——	——	——	0.8	0.8	RECS - CAFE / EM LIGHTS	-	-	-	20	1	24
* 25	1	20	2#12	#12	3/4"	RECS - 216B/216C	0.8	0.8	——	——	——	——	WATER COOLER	-	-	-	20	1	26
27	1	20	2#12	#12	3/4"	RECS - RM L206 N.	——	——	0.6	0.6	——	——	RECS - RM L206 S.	3/4"	#12	2#12	20	1	28 **
29	1	20	-	-	-	216C VIDEO	——	——	——	——	0.8	0.8	DOOR CONTROL DEVICE	-	-	-	20	1	30
31	1	20	-	-	-	RECS - 218A / CAFE	0.8	0.8	——	——	——	——	DOOR CONTROL DEVICE	-	-	-	20	1	32
33	1	20	-	-	-	RECS - 224 / 225	——	——	0.8	0.8	——	——	RECS - 227 / 228	-	-	-	20	1	34
35	1	20	-	-	-	RECS - 225 / 226	——	——	——	——	0.8	0.8	PLUGMOLD RM 229 (ELEM)	-	-	-	20	1	36
37	1	20	-	-	-	RECS - 226/227	0.8	0.8	——	——	——	——	PLUGMOLD RM 229 (ELEM)	-	-	-	20	1	38
39	1	20	-	-	-	CAFE VENDING	——	——	0.8	0.8	——	——	CAFE VENDING	-	-	-	20	1	40
41	1	20	-	-	-	CAFE VENDING	——	——	——	——	0.8	0.8	CAFE VENDING	-	-	-	20	1	42
						CONNECTED KVA PER PHASE	11.0		10.8		11.0								

* PART OF LOAD TO BE DEMOLISHED, KEEP CONTINUITY TO REST OF LOAD.

** REUSE EXISTING SPARE BREAKER FOR NEW LOAD.

*** REPLACE 15A-1P BREAKER WITH NEW 20A-1P BREAKER FOR NEW LOAD.

TOTAL CONNECTED KVA 32.2
TOTAL DEMAND KVA 22.5
TOTAL DEMAND AMPERES 62.6

NEW PANELBOARD SCHEDULE

DESIGNATION: LLP-ST
MAINS: 125A
TYPE: APPLIANCE
O.C. DEVICE: MCB
VOLTAGE: 208/120V - 3Ø - 4W
MINIMUM O.C. DEVICE: -
INTERRUPTING RATING: 10K
LOCATION: STEAM DATA/POWER RM
FED BY: LP-ST VIA XFMR #17
MOUNTING: FLUSH
SINGLE PANEL ■
DOUBLE PANEL ☐
COMMON COVER ☐

CKT NO	POLE	TRIP	WIRE	G	C	LOAD	KVA Ø A		KVA Ø B		KVA Ø C		LOAD	C	G	WIRE	TRIP	POLE	CKT NO
1	2	15	3#12	#12	3/4"	HP-1 (ROOF)	0.9	0.1	——	——	——	——	EF-1 (TOILET RM)	3/4"	#12	2#12	15	1	2
3	/						——	——	0.9	0.5	——	——	VAV'S CNTL CIRCUIT (STEAM RM)	3/4"	#12	2#12	20	1	4
5	1	20	2#12	#12	3/4"	CEIL. RECS - CORDREELS STEAM	——	——	——	——	0.8	0.8	CEIL. RECS - CORDREELS STEAM	3/4"	#12	2#12	20	1	6
7	1	20	2#12	#12	3/4"	CEIL. RECS - CORDREELS STEAM	0.8	0.8	——	——	——	——	CEIL. RECS - CORDREELS STEAM	3/4"	#12	2#12	20	1	8
9	1	20	2#12	#12	3/4"	CEIL. RECS - CORDREELS STEAM	——	——	0.8	0.8	——	——	CEIL. RECS - CORDREELS STEAM	3/4"	#12	2#12	20	1	10
11	1	20	2#12	#12	3/4"	RECS - STEAM TEACH. DESK NE. LOCATION	——	——	——	——	0.8	1.0	RECS - STEAM STORAGE	3/4"	#12	2#12	20	1	12
13	1	20	2#12	#12	3/4"	RECS - POWER/DATA CLOSET	0.4	0.2	——	——	——	——	MAINT. REC / LTG - RTU STEAM	3/4"	#12	2#12	20	1	14
15	1	20	2#12	#12	3/4"	RECS - COORIDOR & TOILET	——	——	0.6	0.4	——	——	RECS - S.E. STEAM EXTERIOR RECS	3/4"	#12	2#12	20	1	16
17	1	20	2#12	#12	3/4"	RECS - N.E. STEAM EXTERIOR RECS	——	——	——	——	0.6	0.4	RECS - STEAM	3/4"	#12	2#12	20	1	18
* 19	1	20	2#12	#12	3/4"	(GFCI) STEAM SINK WIREMOLD S	0.8	0.8	——	——	——	——	RECS - STEAM S. TV WALL	3/4"	#12	2#12	20	1	20
* 21	1	20	2#12	#12	3/4"	(GFCI) STEAM SINK WIREMOLD N	——	——	0.8	0.8	——	——	RECS - STEAM N. TV WALL	3/4"	#12	2#12	20	1	22
23	2	20	3#12	#12	3/4"	WH-1 - PLUMBING RM S102	——	——	——	——	1.0	1.2	RECS - STEAM TEACH. DESK W. LOCATION	3/4"	#12	2#12	20	1	24
25	\	\					1.0	0.6	——	——	——	——	FIRE/SMOKE DAMPERS STEAM DOORS	3/4"	#12	2#12	20	1	26
27	1	20	2#12	#12	3/4"	IN-LINE CIRC. PUMP - RM S102	——	——	1.0	1.0	——	——	DOOR ACCESS PANEL S-105	3/4"	#12	2#12	20	1	28
* 29	1	20	2#12	#12	3/4"	(GFCI) STEAM DISHWASHER	——	——	——	——	1.5	0.0	SPARE	-	-	-	20	1	30
31	1	20	2#12	#12	3/4"	GARAGE DOOR STEAM	1.0	0.0	——	——	——	——	SPARE	-	-	-	20	1	32
33	1	20	-	-	-	SPARE	——	——	0.0	0.0	——	——	SPARE	-	-	-	20	1	34
35	1	20	-	-	-	SPARE	——	——	——	——	0.0	0.0	SPARE	-	-	-	20	1	36
37	1	-	-	-	-	SPACE	0.0	0.0	——	——	——	——	SPACE	-	-	-	-	1	38
39	1	-	-	-	-	SPACE	——	——	0.0	0.0	——	——	SPACE	-	-	-	-	1	40
41	1	-	-	-	-	SPACE	——	——	——	——	0.0	0.0	SPACE	-	-	-	-	1	42
						CONNECTED KVA PER PHASE	7.4		7.6		8.1								

* GFCI BREAKER

TOTAL CONNECTED KVA 23.1
TOTAL DEMAND KVA 16.2
TOTAL DEMAND AMPERES 44.9

EXISTING PANEL SCHEDULE

DESIGNATION: LB-4
MAINS: 100A
TYPE: LIGHTING
O.C. DEVICE: MLO
VOLTAGE: 480/277V - 3Ø - 4W
MINIMUM O.C. DEVICE -
INTERRUPTING RATING: EXISTING
LOCATION: CORR. BY TOILETS 243
FED BY: P2
MOUNTING: FLUSH
SINGLE PANEL ■
DOUBLE PANEL ☐
COMMON COVER ☐

CKT NO	POLE	TRIP	WIRE	G	C	LOAD	KVA Ø A		KVA Ø B		KVA Ø C		LOAD	C	G	WIRE	TRIP	POLE	CKT NO
1	1	20	-	-	-	LTG - TOILETS	2.0	2.0	——	——	——	——	LTG - 212/211	-	-	-	20	1	2
3	1	20	2#12	#12	3/4"	LTG - L201/L203/204/205	——	——	0.9	2.0	——	——	LTG- 209/210	-	-	-	20	1	4
5	1	20	-	-	-	LTG - CORRIDOR	——	——	——	——	2.0	2.0	LTG - 205/207	-	-	-	20	1	6
7	1	20	-	-	-	LTG - 213/214	2.0	2.6	——	——	——	——	LTG - L208/L210/L211/L212/L213	3/4"	#12	2#12	20	1	8
9	1	20	-	-	-	SPARE	——	——	0.0	2.0	——	——	NIGHTLIGHTS	-	-	-	20	1	10
11	1	20	-	-	-	SPARE	——	——	——	——	0.0	4.4	RTU - 4	-	-	-	20	/	12
13	1	20	-	-	-	LTG - TOILETS	2.0	4.4	——	——	——	——						3	14
15	1	20	-	-	-	SPARE	——	——	0.0	4.4	——	——						/	16
17	1	20	-	-	-	SPARE	——	——	——	——	0.0	0.0	SPARE	-	-	-	20	1	18
19	1	20	-	-	-	SPARE	0.0	0.0	——	——	——	——	SPARE	-	-	-	20	1	20
21	1	20	-	-	-	SPARE	——	——	0.0	0.0	——	——	SPARE	-	-	-	20	1	22
23	1	20	-	-	-	SPARE	——	——	——	——	0.0	0.0	SPARE	-	-	-	20	1	24
25	1	20	-	-	-	SPARE	0.0	0.0	——	——	——	——	SPARE	-	-	-	20	1	26
27	1	20	-	-	-	SPARE	——	——	0.0	0.0	——	——	SPARE	-	-	-	20	1	28
29	1	20	-	-	-	SPARE	——	——	——	——	0.0	0.0	SPARE	-	-	-	20	1	30
31	1	20	-	-	-	SPARE	0.0	0.0	——	——	——	——	SPARE	-	-	-	20	1	32
33	1	20	-	-	-	SPARE	——	——	0.0	0.0	——	——	SPARE	-	-	-	20	1	34
35	1	20	-	-	-	SPARE	——	——	——	——	0.0	0.0	SPARE	-	-	-	20	1	36
37	1	20	-	-	-	SPARE	0.0	0.0	——	——	——	——	SPARE	-	-	-	20	1	38
39	1	20	-	-	-	SPARE	——	——	0.0	0.0	——	——	SPARE	-	-	-	20	1	40
41	1	20	-	-	-	SPARE	——	——	——	——	0.0	0.0	SPARE	-	-	-	20	1	42
						CONNECTED KVA PER PHASE	15.0		9.3		8.4								

TOTAL CONNECTED KVA 32.7
TOTAL DEMAND KVA 22.89
TOTAL DEMAND AMPERES 27.53

EXISTING PANEL SCHEDULE

DESIGNATION: LB-3
MAINS: 100A
TYPE: LIGHTING
O.C. DEVICE: MLO
VOLTAGE: 480/277V - 3Ø - 4W
MINIMUM O.C. DEVICE: -
INTERRUPTING RATING: EXISTING
LOCATION: CORRIDOR 241
FED BY: P1 LEFT
MOUNTING: FLUSH
SINGLE PANEL ■
DOUBLE PANEL ☐
COMMON COVER ☐

CKT NO	POLE	TRIP	WIRE	G	C	LOAD	KVA Ø A		KVA Ø B		KVA Ø C		LOAD	C	G	WIRE	TRIP	POLE	CKT NO
1	1	20	-	-	-	LTG - 216C N. / 216B	1.0	1.0	——	——	——	——	LTG - 205/206	-	-	-	20	1	2
3	1	20	-	-	-	NIGHTLIGHTS	——	——	1.0	1.0	——	——	LTG - 201/202	-	-	-	20	1	4
* 5	1	20	-	-	-	SPARE	——	——	——	——	0.0	1.0	LTG - 203/204	-	-	-	20	1	6
* 7	1	20	-	-	-	SPARE	0.0	1.0	——	——	——	——	LTG - STAIRS	-	-	-	20	1	8
* 9	1	20	-	-	-	SPARE	——	——	0.0	1.0	——	——	LTG - CORR.	-	-	-	20	1	10
** 11	1	20	-	-	-	LTG - OUTSIDE TIMER L-213	——	——	——	——	1.0	0.0	SPARE	-	-	-	20	1	12
13	1	20	-	-	-	SPARE	0.0	0.0	——	——	——	——	SPARE	-	-	-	20	1	14
15	1	20	-	-	-	SPARE	——	——	0.0	0.0	——	——	SPARE	-	-	-	20	1	16
17	1	20	-	-	-	SPARE	——	——	——	——	0.0	0.0	SPARE	-	-	-	20	1	18
19	1	20	-	-	-	SPARE	0.0	0.0	——	——	——	——	SPARE	-	-	-	20	1	20
21	1	20	-	-	-	SPARE	——	——	0.0	0.0	——	——	SPARE	-	-	-	20	1	22
23	1	20	-	-	-	SPARE	——	——	——	——	0.0	0.0	SPACE	-	-	-	-	1	24
25	1	-	-	-	-	SPACE	0.0	0.0	——	——	——	——	SPACE	-	-	-	-	1	26
27	1	-	-	-	-	SPACE	——	——	0.0	0.0	——	——	SPACE	-	-	-	-	1	28
29	1	-	-	-	-	SPACE	——	——	——	——	0.0	0.0	SPACE	-	-	-	-	1	30
						CONNECTED KVA PER PHASE	3.0		3.0		2.0								

* BREAKER MADE SPARE BY DEMOLITION

** DEVICE RELOCATED, EXTEND WIRE AND CONDUIT AS NECESSARY.

TOTAL CONNECTED KVA 8.0
TOTAL DEMAND KVA 5.6
TOTAL DEMAND AMPERES 15.5

EXISTING PANEL SCHEDULE

DESIGNATION: LLB-4
MAINS: 100A
TYPE: APPLIANCE
O.C. DEVICE: MLO
VOLTAGE: 480/277V - 3Ø - 4W
MINIMUM O.C. DEVICE -
INTERRUPTING RATING: EXISTING
LOCATION: CORR. BY TOILETS 243
FED BY: LLB2
MOUNTING: FLUSH
SINGLE PANEL ■
DOUBLE PANEL ☐
COMMON COVER ☐

CKT NO	POLE	TRIP	WIRE	G	C	LOAD	KVA Ø A		KVA Ø B		KVA Ø C		LOAD	C	G	WIRE	TRIP	POLE	CKT NO
1	1	20	-	-	-	RECS - 210/211/212	0.7	0.7	——	——	——	——	RECS - 208/210	-	-	-	20	1	2
3	1	20	-	-	-	RECS - 208/209	——	——	0.7	0.7	——	——	RECS - 214	-	-	-	20	1	4
5	1	20	-	-	-	RECS - 212/213	——	——	——	——	0.7	0.7	EF-25	-	-	-	20	1	6
* 7	1	20	2#12	#12	3/4"	REC - TEACH LOUNGE VEND	1.0	1.0	——	——	——	——	RECS - STREAMING RM	3/4"	#12	2#12	20	1	8
9	1	20	-	-	-	EXIT LTG / DOOR POWER RELAYS	——	——	0.5	0.0	——	——	SPARE	-	-	-	20	1	10
11	1	20	-	-	-	COMP. RM 216B/EM LTG	——	——	——	——	0.7	0.0	SPARE	-	-	-	20	1	12
13	1	20	-	-	-	EF-9	1.0	1.0	——	——	——	——	RECS - COMP. RM NORTH	-	-	-	20	1	14
15	1	20	-	-	-	EXISTING LOAD	——	——	1.0	0.7	——	——	CORR. RECS & EM LTG	-	-	-	20	1	16
17	1	20	-	-	-	TOILET FLUSH VALVES	——	——	——	——	0.7	0.0	SPARE	-	-	-	20	2	18
19	1	20	2#12	#12	3/4"	RECS - LIBRARY S.E. WALL	0.6	0.0	——	——	——	——						/	20
21	1	20	-	-	-	RECS - TOILET RMS	——	——	0.7	0.7	——	——	RECS - RM 215C	-	-	-	20	1	22
23	1	20	2#12	#12	3/4"	RECS - LIBRARY N.E. WALL	——	——	——	——	0.6	0.8	RECS - TEACH LOUNGE & CLOSET	3/4"	#12	2#12	20	1	24
25	1	20	2#12	#12	3/4"	RECS - LIBRARY N. WALL	0.7	0.0	——	——	——	——	SPARE	-	-	-	15	/	26
27	1	20	-	-	-	EXISTING LOAD	——	——	1.0	0.0	——	——						3	28
29	1	15	-	-	-	SPARE	——	——	——	——	0.0	0.0						/	30
						CONNECTED KVA PER PHASE	6.7		6.0		4.2								

* GFCI BREAKER

TOTAL CONNECTED KVA 16.9
TOTAL DEMAND KVA 11.8
TOTAL DEMAND AMPERES 32.8

<u>PANELBOARD SCHEDULE NOTES (APPLIES TO ALL PANELBOARD SCHEDULE DRAWINGS):</u>

1. ALL LOADS SHOWN LIGHT ARE EXISTING TO REMAIN AND LOADS SHOWN BOLD ARE NEW. KILOVOLT-AMPS SHOWN FOR EXISTING LOADS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY.
2. PROVIDE NEW CIRCUIT BREAKERS TO MATCH CHARACTERISTICS OF EXISTING CIRCUIT BREAKERS BEING REPLACED OR ADDED IN RESPECTIVE PANELS. RECONNECT EXISTING LOADS TO NEW BREAKER, EXTENDING CONDUIT AND WIRING IF REQUIRED.
3. TRACE CIRCUITS TO VERIFY LOADS INDICATED ON EXISTING PANEL SCHEDULE ARE ACCURATE PRIOR TO ANY WORK ON PANEL.
4. PROVIDE NEW UPDATED PANEL SCHEDULES IN ALL NEW PANELS.
5. E.C. TO MATCH EXISTING AIC RATING OF SWITCHBOARD FOR NEW PANEL LP-ST.

REVISIONS

KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND
ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:
Vestal
Central School District
201 Main Street | Vestal, NY 13850

◆

2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
ELECTRICAL
PANEL SCHEDULES

DRAWN BY: MLT / RFC
PROJECT NO.: 2025-151P
CHECKED BY: LKN
DRAWING NO.: E-400
DATE: 02-09-2026

CAD FILE: 5151-E400-E401.DWG
PLOT DATE: 2/5/2026

EXISTING PANEL SCHEDULE

DESIGNATION: LLA-8	MAINS: 100A TYPE: APPLIANCE O.C. DEVICE: MLO	VOLTAGE: 208/120V - 3Ø - 4W MINIMUM O.C. DEVICE: - INTERRUPTING RATING: EXISTING	LOCATION: CORR. 218.99 FED BY: P5 VIA XFMR MOUNTING: FLUSH	SINGLE PANEL ■ DOUBLE PANEL ☐ COMMON COVER ☐

	CKT NO	POLE	TRIP	WIRE	G	C	LOAD	KVA Ø A		KVA Ø B		KVA Ø C		LOAD	C	G	WIRE	TRIP	POLE	CKT NO
	1	1	20	-	-	-	RECS- DIST. OFFICE STOR.	1.0	1.0	—	—	—	—	REFRIG DR. DEFROST	-	-	-	20	1	2
	3	1	20	2#12	#12	3/4"	RECS - LOUNGE N. COUNTER CKT A	—	—	0.6	1.0	—	—	LTG - TOILETS	-	-	-	20	1	4
	5	1	20	2#12	#12	3/4"	RECS - LOUNGE N. COUNTER CKT B	—	—	—	—	0.4	1.0	LTG - REFRIG	-	-	-	20	1	6
	7	1	20	2#12	#12	3/4"	RECS - LOUNGE TOASTER	1.5	1.0	—	—	—	—	WHEELCHAIR LIFT	-	-	-	20	1	8
	9	1	20	-	-	-	ACCESS CONTROL PANELS	—	—	0.5	0.5	—	—						/	10
	11	1	20	-	-	-	ACCESS CONTROL PANELS	—	—	—	—	0.5	0.5	FOLDING DOOR	-	-	-	15	3	12
*	13	1	20	-	-	-	RECS - EL-52	0.5	0.5	—	—	—	—						/	14
**	15	2	20	-	-	-	SPARE	—	—	0.0	0.5	—	—	REC - DIET OFFICE / STOR.	-	-	-	20	2	16
	17	/						—	—	—	—	0.0	0.5						/	18
	19	1	20	2#12	#12	3/4"	RECS - LOUNGE N. MICROWAVE	1.5	1.0	—	—	—	—	EXISTING LOAD	-	-	-	20	1	20
	21	1	20	-	-	-	DOOR RELAY	—	—	0.5	1.0	—	—	EXISTING LOAD	-	-	-	20	1	22
	23	1	20	2#12	#12	3/4"	RECS - LOUNGE S. MICROWAVE	—	—	—	—	1.5	1.0	EXISTING LOAD	-	-	-	20	1	24
	25	1	20	2#12	#12	3/4"	RECS - LOUNGE N. FRIDGE	1.0	1.0	—	—	—	—	RECS - LOUNGE KERIG	3/4"	#12	2#12	20	1	26
	27	1	20	2#12	#12	3/4"	RECS - LOUNGE S. FRIDGE	—	—	1.0	1.0	—	—	RECS - LOUNGE COFFEE POT	3/4"	#12	2#12	20	1	28
	29	1	20	2#12	#12	3/4"	RECS - STUDENT STORE	—	—	—	—	1.2	0.0	SPACE	-	-	-	20	1	30
							CONNECTED KVA PER PHASE	10.0		6.6		6.6								

* PART OF LOAD TO BE DEMOLISHED, KEEP CONTINUITY TO REST OF LOAD.

** BREAKER MADE SPARE BY DEMOLITION.

TOTAL CONNECTED KVA: 23.2

TOTAL DEMAND KVA (70%): 16.2

TOTAL DEMAND AMPERES: 45.1

EXISTING PANEL SCHEDULE

DESIGNATION: LLB-3	MAINS: 100A TYPE: APPLIANCE O.C. DEVICE: MLO	VOLTAGE: 208/120V - 3Ø - 4W MINIMUM O.C. DEVICE: - INTERRUPTING RATING: EXISTING	LOCATION: CORIDOOR 241 FED BY: P1 LEFT VIA XFMR T3 MOUNTING: FLUSH	SINGLE PANEL ■ DOUBLE PANEL ☐ COMMON COVER ☐

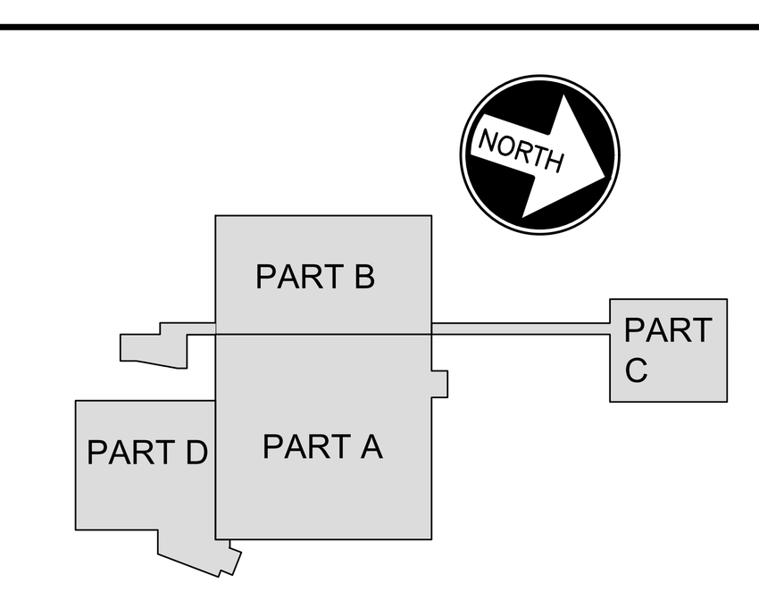
CKT NO	POLE	TRIP	WIRE	G	C	LOAD	KVA Ø A		KVA Ø B		KVA Ø C		LOAD	C	G	WIRE	TRIP	POLE	CKT NO
1	1	20	-	-	-	RECS - 204	0.5	0.5	—	—	—	—	RECS - 205	-	-	-	20	1	2
3	1	20	-	-	-	WIREMOLD - 206/205	—	—	0.5	0.5	—	—	RECS - 202/203	-	-	-	20	1	4
5	1	20	-	-	-	RECS - 201	—	—	—	—	0.5	0.6	RECS - LIBRARY TOILET / GFCI	3/4"	#12	2#12	20	1	6
7	1	20	-	-	-	RECS - 139	0.5	0.5	—	—	—	—	RECS RM 206 / 107	-	-	-	20	1	8
9	1	20	-	-	-	RECS - 206	—	—	0.5	0.0	—	—	SPARE	-	-	-	20	1	10
11	1	20	-	-	-	RECS - 206	—	—	—	—	0.5	0.5	F-24	-	-	-	20	1	12
13	1	20	2#12	#12	3/4"	FIRE SMOKE DAMPERS (LIBRARY)	1.0	0.5	—	—	—	—	EXIT LTGS/DOOR CNTL POWER RELAYS	-	-	-	20	1	14
15	1	20	-	-	-	RECS - 206	—	—	0.5	1.0	—	—	RECS - LIBRARY S. WALL	3/4"	#12	2#12	20	1	16
17	1	20	-	-	-	RECS - 206	—	—	—	—	0.5	0.0	SPARE	-	-	-	20	1	18
19	1	20	-	-	-	RECS - 206	0.5	1.0	—	—	—	—	LIBRARY OFFICE L-210 W. WALL	3/4"	#12	2#12	20	1	20
21	1	20	-	-	-	RECS - 206	—	—	0.0	1.2	—	—	LIBRARY OFFICE I-210 E.WALL / CLOSET	3/4"	#12	2#12	20	1	22
23	1	20	-	-	-	RECS - 206	—	—	—	—	0.0	0.8	STORAGE L213	3/4"	#12	2#12	20	1	24
25	1	20	-	-	-	RECS - 206	0.0	0.1	—	—	—	—	EF 2 - LIBRARY TOILET	3/4"	#12	2#12	20	1	26
27	1	20	-	-	-	CORR. REC/EL-41	—	—	0.5	0.0	—	—	SPARE	-	-	-	20	1	28
29	1	20	-	-	-	CORR REC	—	—	—	—	0.5	0.0	SPARE	-	-	-	20	1	30
						CONNECTED KVA PER PHASE	5.1		4.7		3.9								

TOTAL CONNECTED KVA: 12.7

TOTAL DEMAND KVA: 8.9

TOTAL DEMAND AMPERES: 24.68

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:

Vestal Central School District

201 Main Street | Vestal, NY 13850

2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

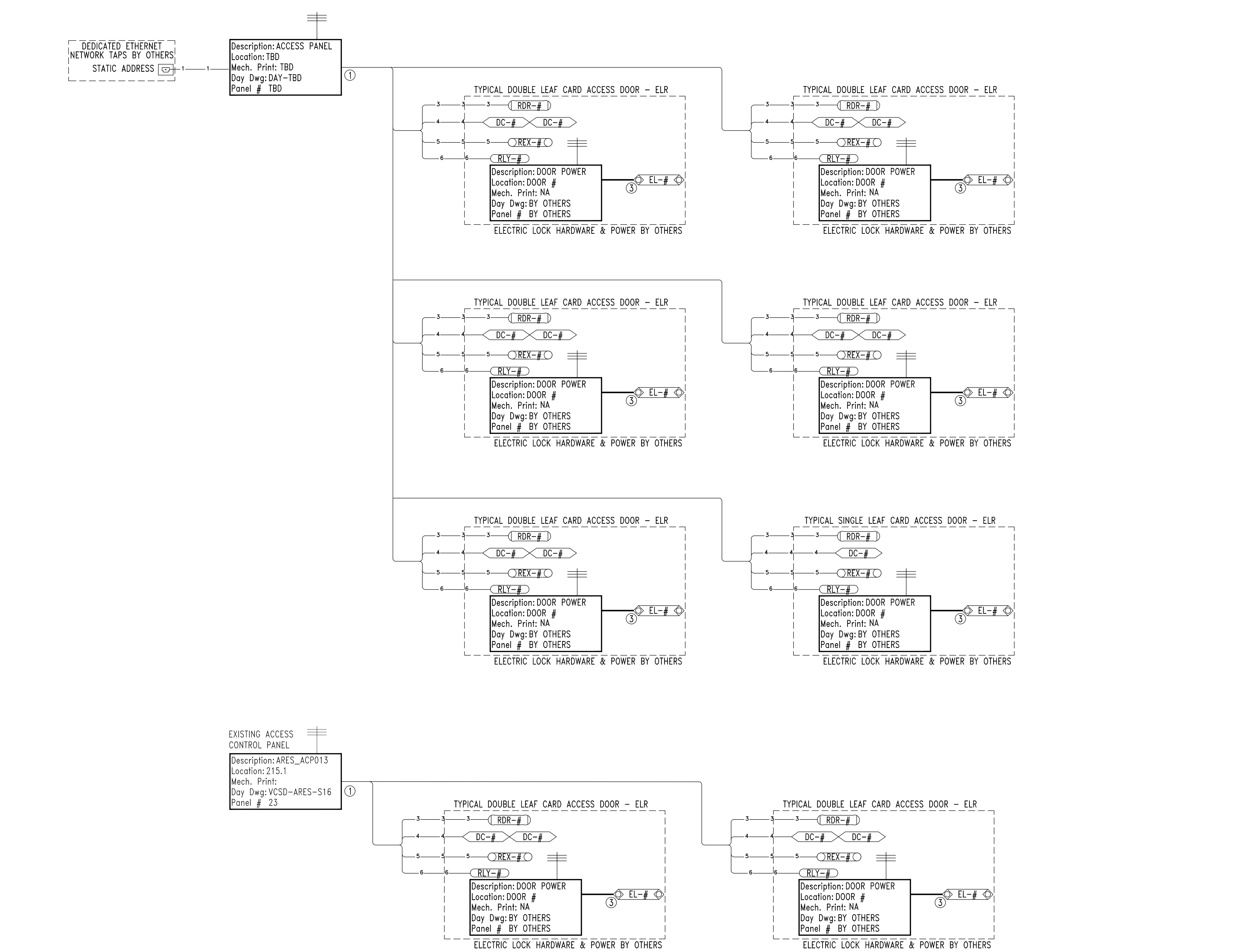
DRAWING TITLE:

ELECTRICAL PANEL SCHEDULES

DRAWN BY: MLT / RFC	PROJECT NO.: 2025-151P
CHECKED BY: LKN	DRAWING NO.: E-401
DATE: 02-09-2026	

CAD FILE: 5151-E400-E401.DWG
PLOT DATE: 2/5/2026

ACCESS SYSTEM FIELD DEVICE WIRING RISER



WIRE LEGEND	VERSION 6-2025
NETWORK CATEGORY CABLE AS SPECIFIED SEE CONTRACT SPECIFICATIONS & ADDENDUM(S) MAX. TOTAL DISTANCE 328' FOR NETWORK	—1——1—
RG-6U COAX 20GA 75Ω 95%CU BRAID (CL2P) NO FOIL	—2——2—
6 COND. 18GA, STR W/OVERALL SHIELD (CL2P) MAX. DISTANCE 500'	—3——3—
INDICATES 1 TWISTED PAIR 18GA. (CL2P) WEST PENN PN# 25224B (UNSHIELDED)	—4——4—
INDICATES 2 TWISTED PAIR 18GA. (CL2P) WEST PENN PN# 25751B (UNSHIELDED)	—5——5—
INDICATES 1 TWISTED PAIR 16GA. (CL2P) WEST PENN PN# 25225B (UNSHIELDED)	—6——6—
INDICATES 2 COND. 24GA. (CL2P) W/OVERALL SHIELD (BELDEN 82841)	—7——7—
INDICATES 4 COND. 24GA. (CL2P) W/OVERALL SHIELD (BELDEN 82842)	—8——8—
INDICATES INFINET CABLE	—— – ——
INDICATES 120VAC UN-SWITCHED POWER	

SYMBOL LIST	
IP VIDEO CAMERA	CAM-#
MOTION DETECTOR	MD-#
CARD READER	RDR-#
ELECTRIC LOCK	EL-#
REQUEST TO EXIT	REX-#
DOOR CONTACT	DC-#
RELAY	RLY-#
INTERCOM MASTER	ICM-#
INTERCOM DOOR STATION	IC-#
ADA DOOR OPERATOR	ADA-#
ADA DOOR BUTTON	BT-#

① WIRING RISER DEPICTS HOME-RUN WIRING FROM FIELD DEVICE(S) TO CONTROLLER(S) UNLESS OTHERWISE NOTED. RISER DOES NOT REFLECT WIRING PATHWAYS.

② ELECTRIC LOCK & POWER EXISTING OR BY OWNER/OTHERS. ELECTRIC STRIKES (IE. HES 9600) .25A @24VDC CAN BE POWERED BY DAY PANEL UP TO 400'.

REVISION RECORD | PROJ# | PHASE | APP | DRN | CKD

DayAutomation

Rochester • Syracuse • Elmira • Albany • New Paltz
1-800-836-0969 Facsimile 1-585-924-4698

PROJECT DETAIL: DAY AUTOMATION ACCESS CONTROL SYSTEMS TYPICALS

DRAWING DETAIL: ACCESS CONTROL SYSTEM & INTRUSION SYSTEMS COMMUNICATIONS RISER DIAGRAM

DRAWING NUMBER DAY-ACCESS/IDCP-RISER

FOR REFERENCE ONLY

REVISIONS

KEY PLAN: PART A, PART B, PART C, PART D, NORTH

BID DOCUMENTS
02-09-2026

SEALS:

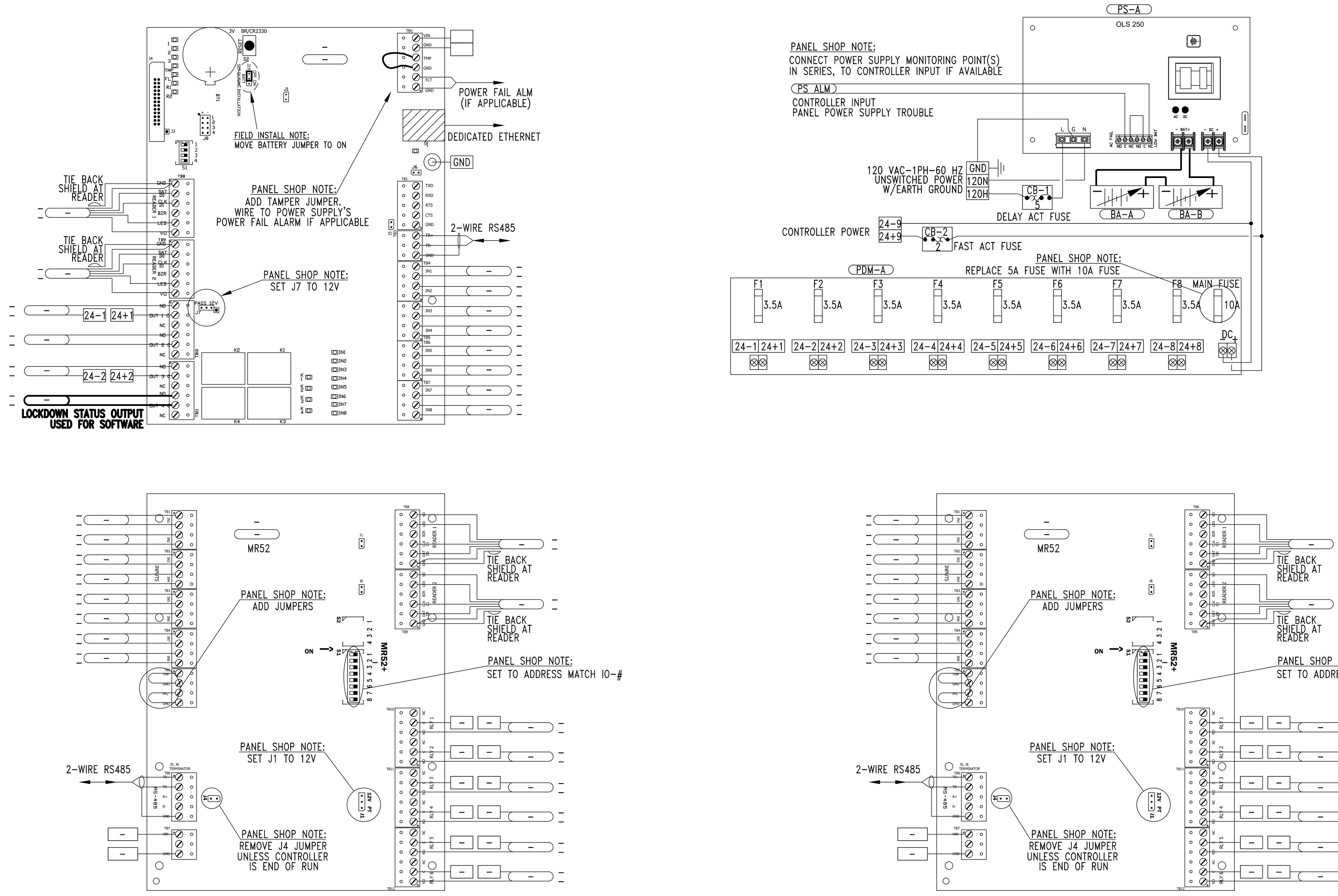
HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:
Vestal
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
DAY AUTOMATION DETAILS
ACCESS RISER

DRAWN BY: MLT / RFC	PROJECT NO.: 2025-151P
CHECKED BY: LKN	DRAWING NO.:
DATE: 02-09-2026	E-500

REV 0 ADDS PANEL #11



WIRE LEGEND	
NETWORK CATEGORY CABLE AS SPECIFIED SEE CONTRACT SPECIFICATIONS & ADDENDUM(S) MAX. TOTAL DISTANCE 328' FOR NETWORK	—1—1—
RG-6U COAX 20GA 75Ω 95%CU BRAID (CL2P) NO FOIL	—2—2—
6 COND. 18GA, STR W/OVERALL SHIELD (CL2P) MAX. DISTANCE 500'	—3—3—
INDICATES 1 TWISTED PAIR 18GA. (CL2P) WEST PENN PN# 25224B	—4—4—
INDICATES 2 TWISTED PAIR 18GA. (CL2P) WEST PENN PN# 25751B (UNSHIELDED)	—5—5—
INDICATES 2 COND. 16GA. (CL2P)	—6—6—
INDICATES 2 COND. 24GA. W/OVERALL SHIELD (BELDEN 82841)	—7—7—
INDICATES 4 COND. 24GA. W/OVERALL SHIELD (BELDEN 82842)	—8—8—
INDICATES INFINET CABLE	— - —
INDICATES 120 VAC UNSWITCHED POWER	

#	DATE	REVISION RECORD	PROJ#	PHASE	APP	DRN	CKD
0	01/03/2025	ADDS PER CONTRACT 24-3378	24-3378	PRELIM	HG	JH	JP

Day Automation
Security Solutions | Building Automation | Instructional Technology | Energy Services
Rochester • Syracuse • Corning • Ogdensburg
Albany • New Paltz • Buffalo
1-800-836-0969

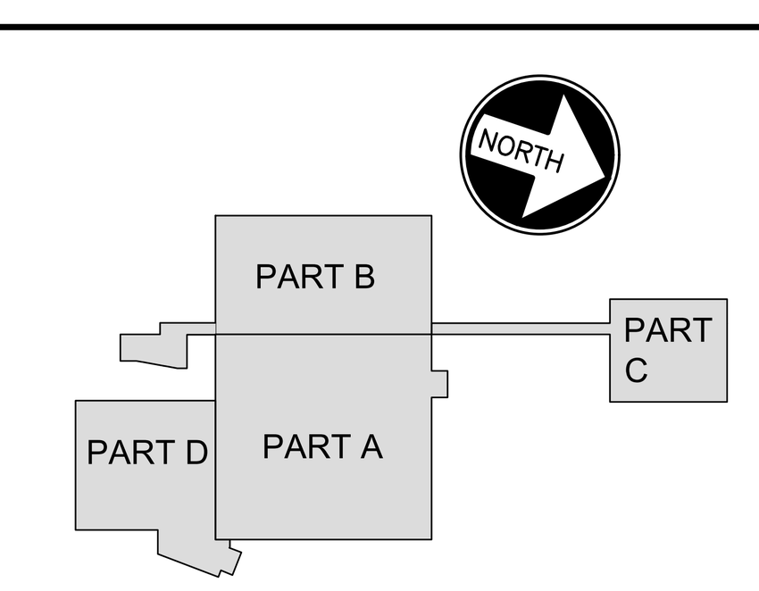
EQUIPMENT LIST

DEVICE TAG	QTY	PART NUMBER	MANUFACTURER	DEVICE DESCRIPTION	LOCATION
MNT-45-49	6	TP160	BOSCH	TRIM PLATE FOR MOUNTING DS160 REX	FIELD
REX-45-49	6	DS160	BOSCH	PASSIVE INFRARED REX, 12-30VDC @ 26MA, SURFACE MOUNT, FORM C CONTACTS	FIELD
EL-45-49	6	EL BY OTHERS	BY OTHERS	ELECTRIC LOCK BY OTHERS	FIELD
RDR-45-49	6	40NKS-00-000000	HID	SIGNO40 WALL SWITCH READER, PT, BLACK, STD PROFILE (MOBILE, 13.56MHZ, 125KHZ)	FIELD
DC-45-49	6	DAY78G/ST-DDBD	NASCOM	1 IN. RECESSED DOOR CONTACT WITH 2K OHM EMBEDDED RESISTORS & 2ND REED, WIDE-GAP, N.C. LOOP	FIELD
DC-45,45-47,49	6	DAY78G/ST-AD	NASCOM	1 IN. RECESSED DOOR CONTACT WITH SECOND REED, WIDE-GAP, N.C. LOOP	FIELD
PDM-1	1	PD8	ALTRONIX	8 FUSED OUTPUT POWER DISTRIBUTION MODULE	PANEL
PS-15	1	OLS250	ALTRONIX	OFFLINE SWITCHING POWER SUPPLY, 115 VAC, 24 VDC 10 A OUTPUT, WITH AC FAIL & LOW BATTERY ALARM	PANEL
IO-1-2	2	AC-MER-CON-MR52-S3B	AVIGILON	2-READER INTERFACE MODULE, MAG OR WIEGAND, 4-READER OSDP, 8 IN, 6 RELAYS OUTPUTS	PANEL
NET-11	1	AC-MER-CONT-LP1502	AVIGILON	2-DOOR INTELLIGENT CONTROLLER, 8 IN, 4 RELAY OUTPUTS, 12-24VDC, RS485	PANEL
CONN-1	1	41089-1WP	LEVITON	SURFACE MOUNT QUICKPORT BOX, PLENUM RATED, 1-PORT, WHITE	PANEL
CONN-2	1	61110-RW6	LEVITON	EXTREME CAT 6 QUICKPORT JACK, WHITE	PANEL
CBL-1	1	CAT6-01-ORB	LYNN	1' CAT6 CHOICE 1GB UTP PATCH CABLE, 24AWG, MOLDED BOOT, ORANGE	PANEL
BA-1-2	2	PS-1270 F1	POWERSONIC	12 VDC 7 AH BATTERY	PANEL
ENC-25	1	SEBOX242410P	SCHNEIDER ELECTRIC	24X24X10" (HXWXD) HINGED ENCLOSURE W/PERFORATED BACK PLATE, N4	PANEL

PROJECT DETAIL:
VESTAL CSD
TYPICAL 6 DOOR ACCESS CONTROL PANEL
AFRICAN ROAD ELEMENTARY
DRAWING DETAIL:
ACCESS CONTROL SYSTEM
ACCESS CONTROL PANEL # IN RM#
PANEL # CONTROL DETAILS
DRAWING NUMBER
VCSD-ARES-S##

FOR REFERENCE ONLY

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

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PROJECT TITLE:
Vestal
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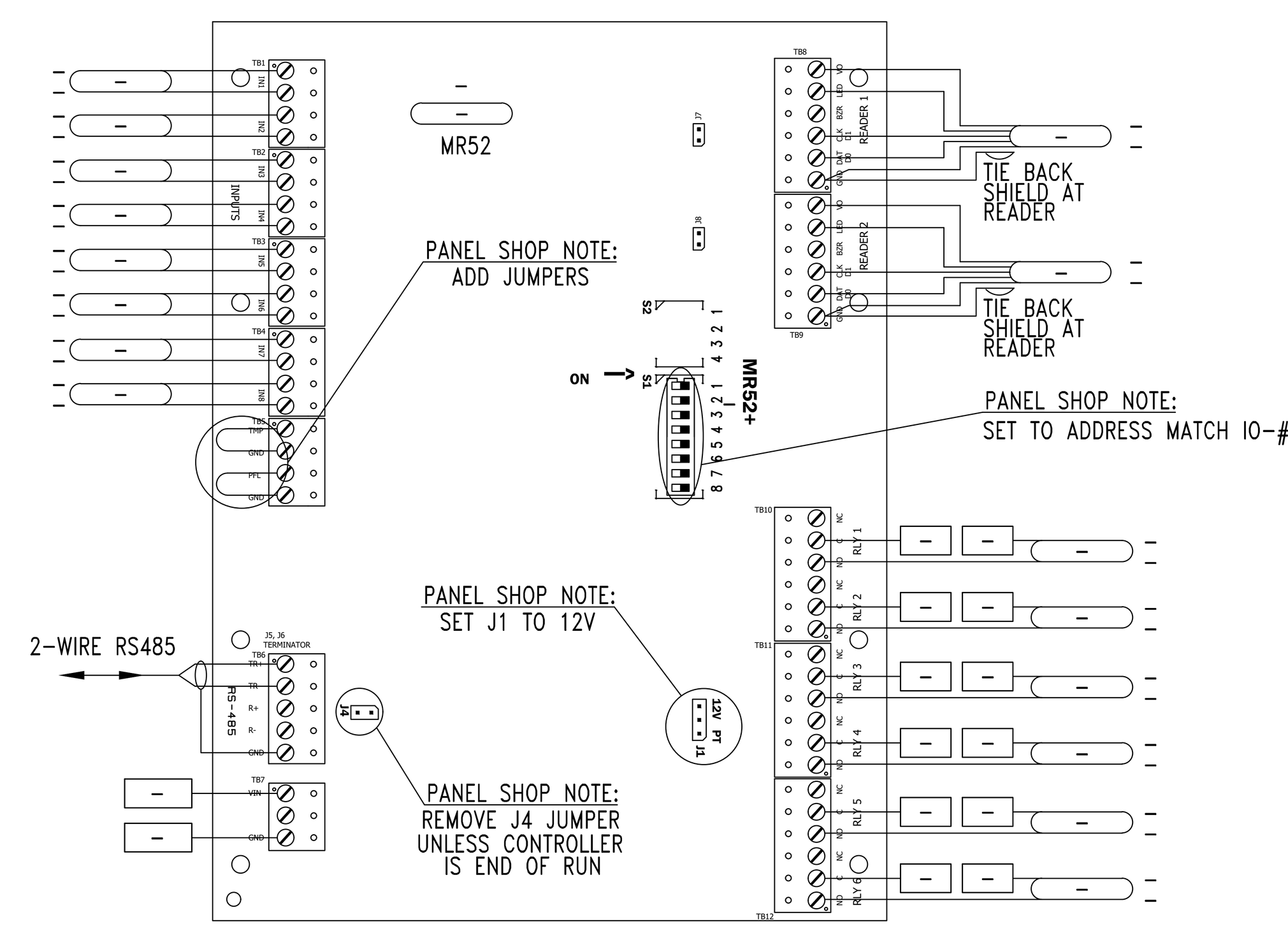
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
DAY AUTOMATION DETAILS
ACCESS PANEL

DRAWN BY: MLT / RFC	PROJECT NO.: 2025-151P
CHECKED BY: LKN	DRAWING NO.: E-501
DATE: 02-09-2026	

REV 0 ADDS PANEL #13



EQUIPMENT LIST

DEVICE TAG	QTY	PART NUMBER	MANUFACTURER	DEVICE DESCRIPTION	LOCATION
IO-1	1	AC-MER-CON-MR52-S3B	AVIGILON	2-READER INTERFACE MODULE, MAG OR WIEGAND, 4-READER OSDP, 8 IN, 6 RELAYS OUTPUTS	PANEL

#	DATE	REVISION RECORD	PROJ#	PHASE	APP	DRN	CKD

Day Automation
Security Solutions | Building Automation | Network Infrastructure | Energy Services
Rochester • Syracuse • Corning • Ogdensburg
Albany • New Paltz • Buffalo
1-800-836-0969

PROJECT DETAIL:
VESTAL CSD
AFRICAN ROAD ELEMENTARY
DRAWING DETAIL:
ACCESS CONTROL SYSTEM
ACCESS CONTROL PANEL #13 IN STORAGE 215.1
PANEL #23 CONTROL DETAILS

DRAWING NUMBER
VCSD-ARES-S16

FOR REFERENCE ONLY

REVISIONS

KEY PLAN
PART A
PART B
PART C
PART D
NORTH

BID DOCUMENTS
02-09-2026

SEALS:

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PROJECT TITLE:
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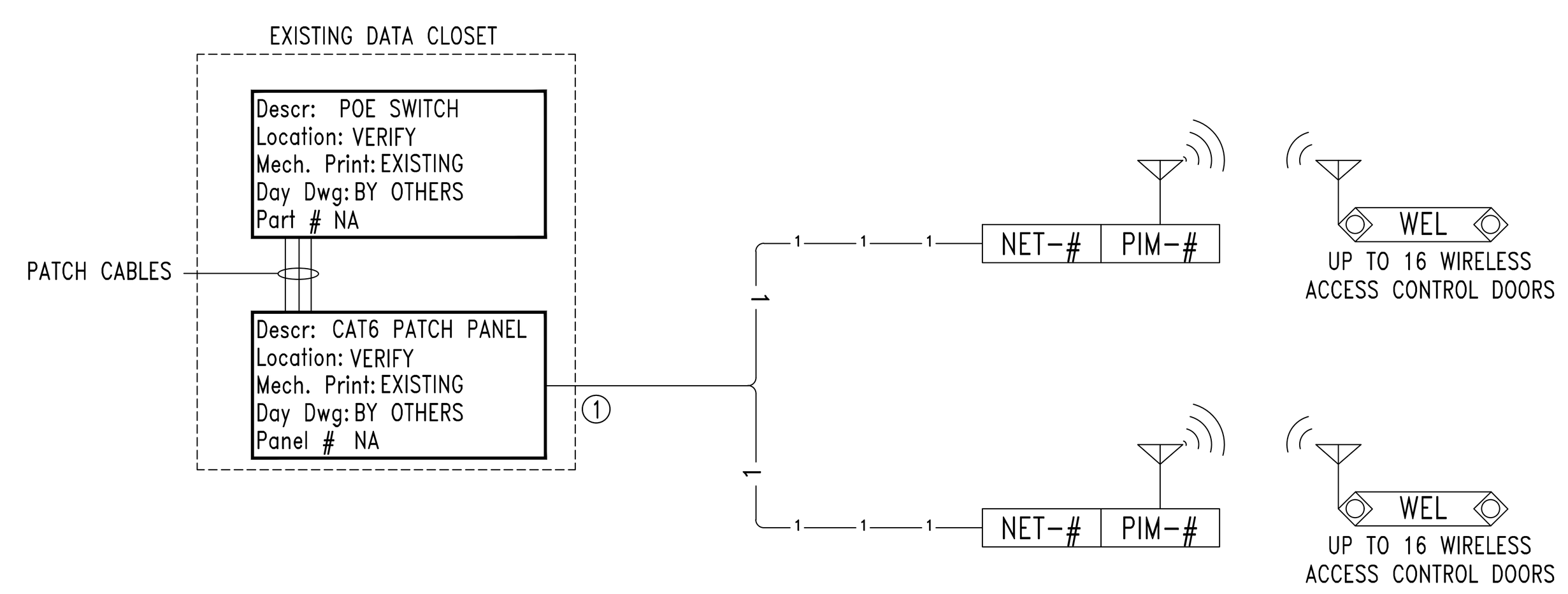
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
DAY AUTOMATION DETAILS
EXISTING ACCESS PANEL

DRAWN BY:	PROJECT NO.:
MLT / RFC	2025-151P
CHECKED BY: LKN	DRAWING NO.:
DATE: 02-09-2026	E-502

WIRELESS ACCESS CONTROL RISER DIAGRAM



WIRE LEGEND	
NETWORK CATEGORY CABLE AS SPECIFIED SEE CONTRACT SPECIFICATIONS & ADDENDUM(S) MAX. TOTAL DISTANCE 328' FOR NETWORK	—1——1—
RG-6U COAX 20GA 75Ω 95%CU BRAID (CL2P) NO FOIL	—2——2—
6 COND. 18GA, STR W/OVERALL SHIELD (CL2P) MAX. DISTANCE 500'	—3——3—
INDICATES 1 TWISTED PAIR 18GA. (CL2P) WEST PENN PN# 25224B	—4——4—
INDICATES 2 TWISTED PAIR 18GA. (CL2P) WEST PENN PN# 25751B	—5——5—
INDICATES 2 COND. 16GA. (CL2P)	—6——6—
INDICATES 2 COND. 24GA. W/OVERALL SHIELD (BELDEN 82841)	—7——7—
INDICATES 4 COND. 24GA. W/OVERALL SHIELD (BELDEN 82842)	—8——8—
INDICATES INFINET CABLE	—— – ——
INDICATES 120 VAC UNSWITCHED POWER	

SYMBOL LIST	
ENCLOSURE	ENC-#
FIXED CCTV CAMERA	CAM-#
PTZ CCTV CAMERA	PTZ-#
SHOCK SENSOR	SS-#
GLASS BREAK SENSOR	GB-#
MOTION DETECTOR	MD-#
CARD READER	RDR-#
REQUEST TO EXIT	REX-#
ELECTRIC LOCK	EL-#
RELAY	RLY-#
DOOR CONTACT	DC-#
INTERCOM MASTER	ICM-#
INTERCOM DOOR STATION	IC-#
ADA DOOR OPERATOR	ADA-#
ADA DOOR BUTTON	BT-#

① WIRING RISER DEPICTS HOME-RUN WIRING FROM FIELD DEVICE(S) TO CONTROLLER(S) UNLESS OTHERWISE NOTED. RISER DOES NOT REFLECT WIRING PATHWAYS.

#	DATE	REVISION RECORD	PROJ#	PHASE	APP	DRN	CKD
3	06/05/2025	ADDS PER CONTRACT	25-00455	CONSTR	JP	LN	JR
2	04/03/2024	ADDS PER CONTRACT	24-00063	CONSTR	TES	MAT	JP
1	10/14/2022	ADDS PER CONTRACT	22-3599	CONSTR	DGG	MAT	JP
0	07/15/2020	CREATED	20-3330	PRELIM	JRT	AV	JRT

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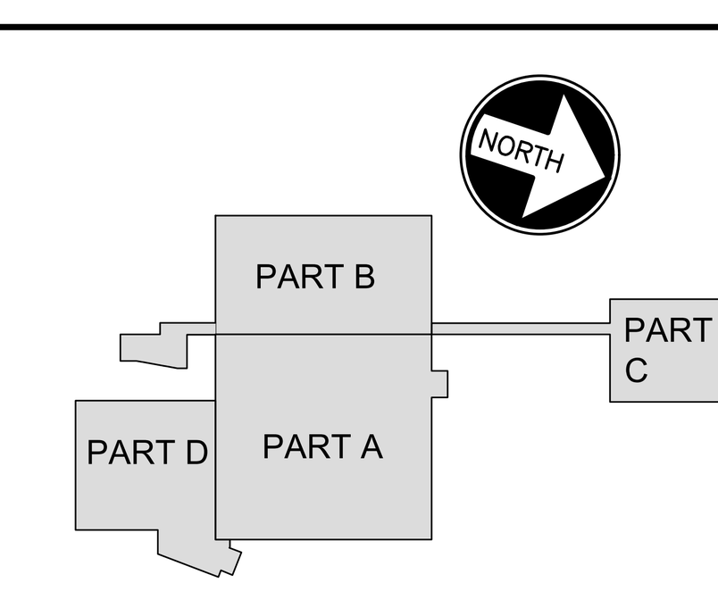
PROJECT DETAIL:
VESTAL CSD
2024-2025 35K CAMERA PROJECT
AFRICAN ROAD ELEMENTARY
DRAWING DETAIL:
IP VIDEO SYSTEM
DATA, POWER &
COMMUNICATIONS RISER DIAGRAM

DRAWING NUMBER
VCSD-ARES-S02

FOR REFERENCE ONLY

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

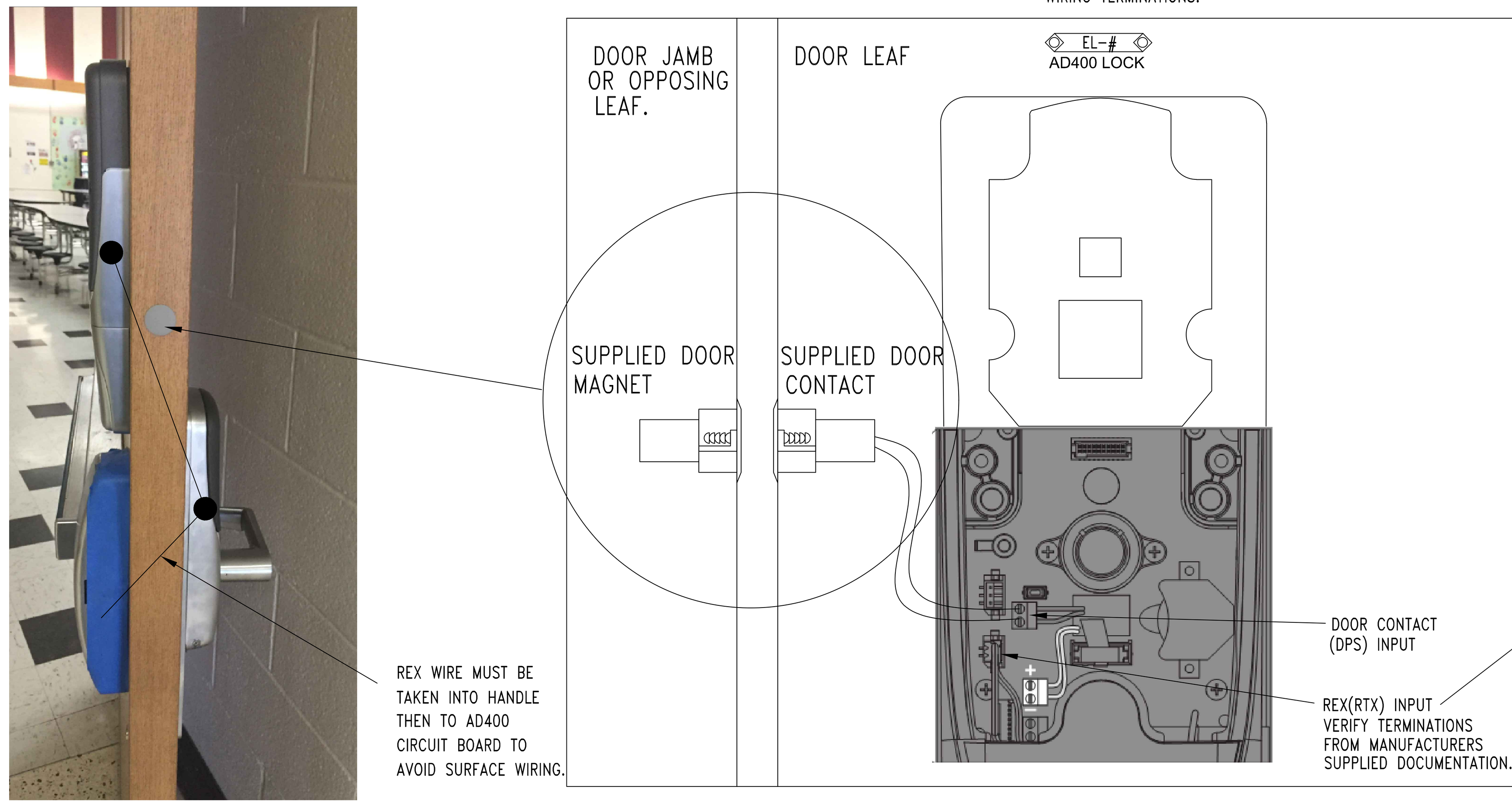
DRAWING TITLE:
DAY AUTOMATION DETAILS
WIRELESS ACCESS RISER

DRAWN BY:	PROJECT NO.:
MLT / RFC	2025-151P
CHECKED BY: LKN	DRAWING NO.: E-503
DATE: 02-09-2026	

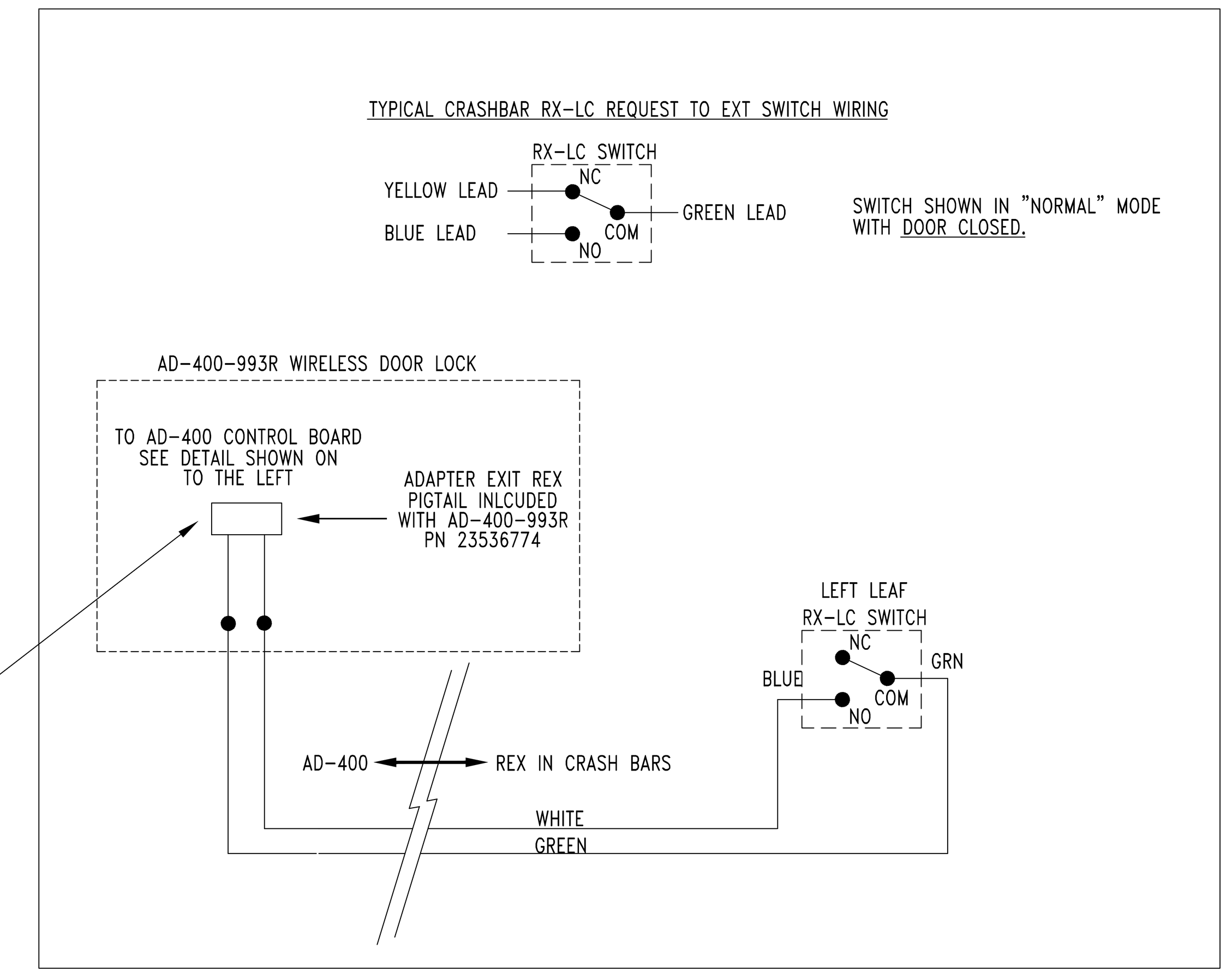
CAD FILE: 5151-E500 - E508.DWG
PLOT DATE: 2/5/2026

AD400 DOOR PROFILE

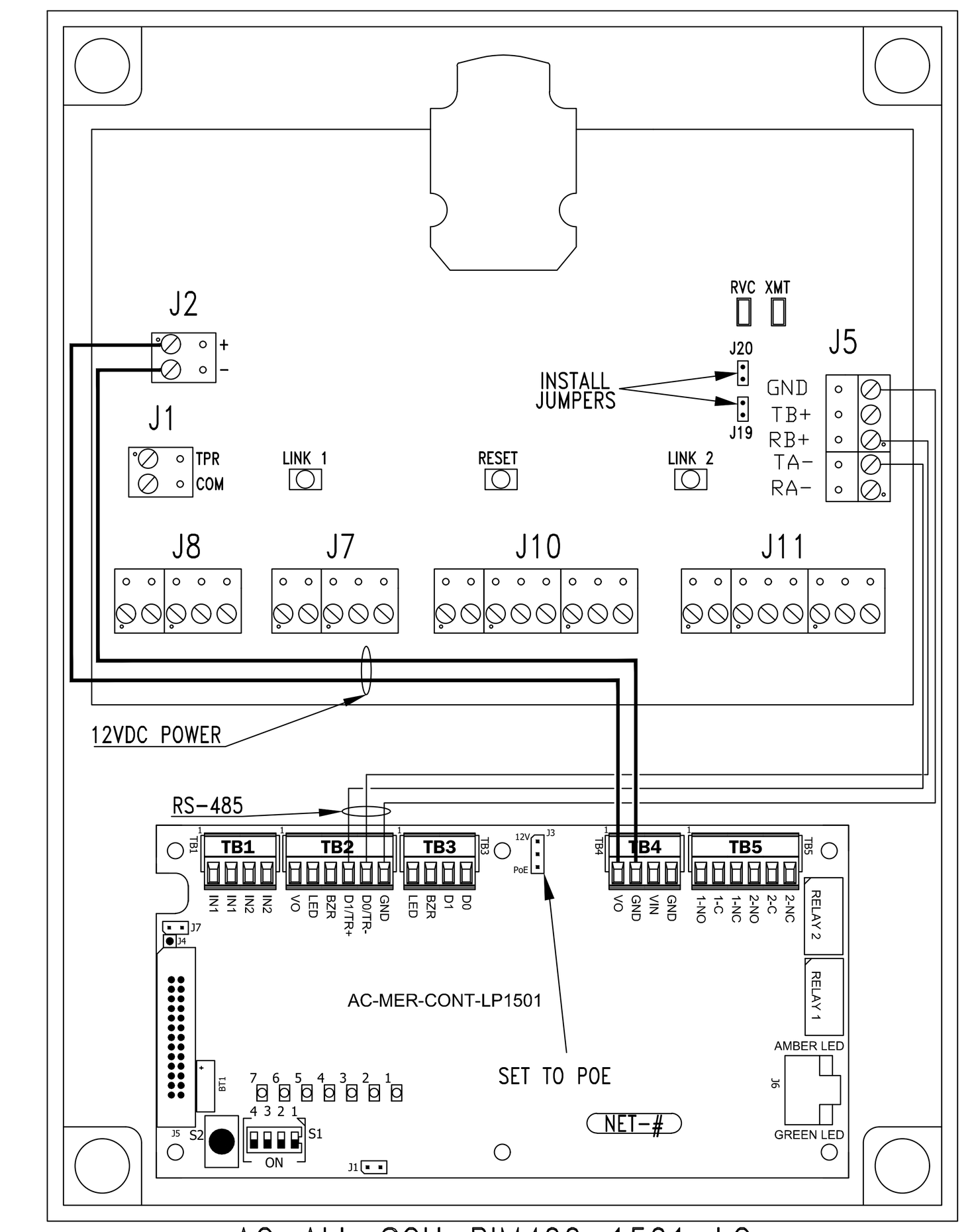
TYPICAL AD-400 WIRELESS ACCESS CONTROLLED DOOR WIRING TERMINATIONS.



TYPICAL REQUEST TO EXIT CRASHBAR'S CONTACT CLOSURE WIRING TO AD-400 WIRELESS DOOR LOCK



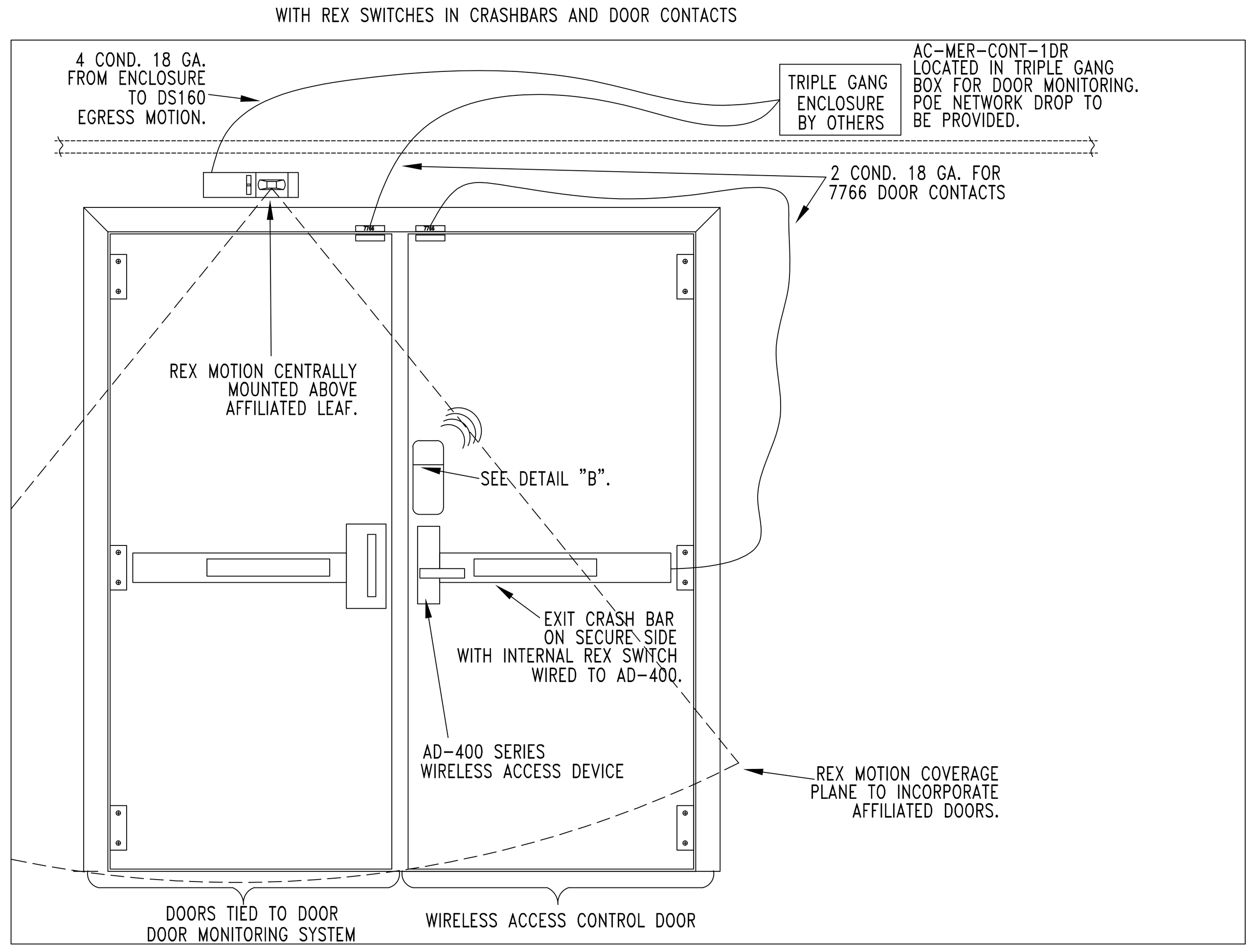
TYPICAL OF 16



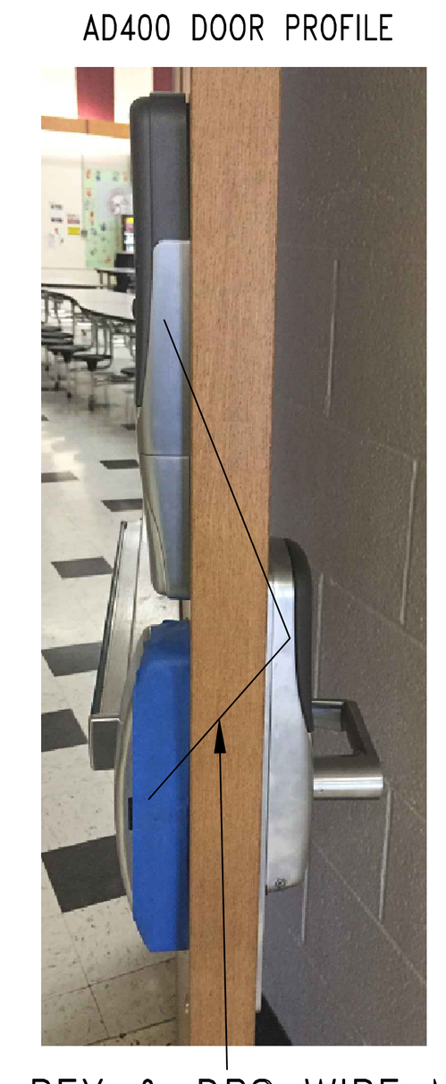
AC-ALL-SCH-PIM400-1501-LC WITH AC-MER-CONT-LP1501 INSTALLED

A

TYPICAL DOUBLE LEAF AD-400 WIRELESS ACCESS CONTROLLED DOOR WITH REX SWITCHES IN CRASHBARS AND DOOR CONTACTS



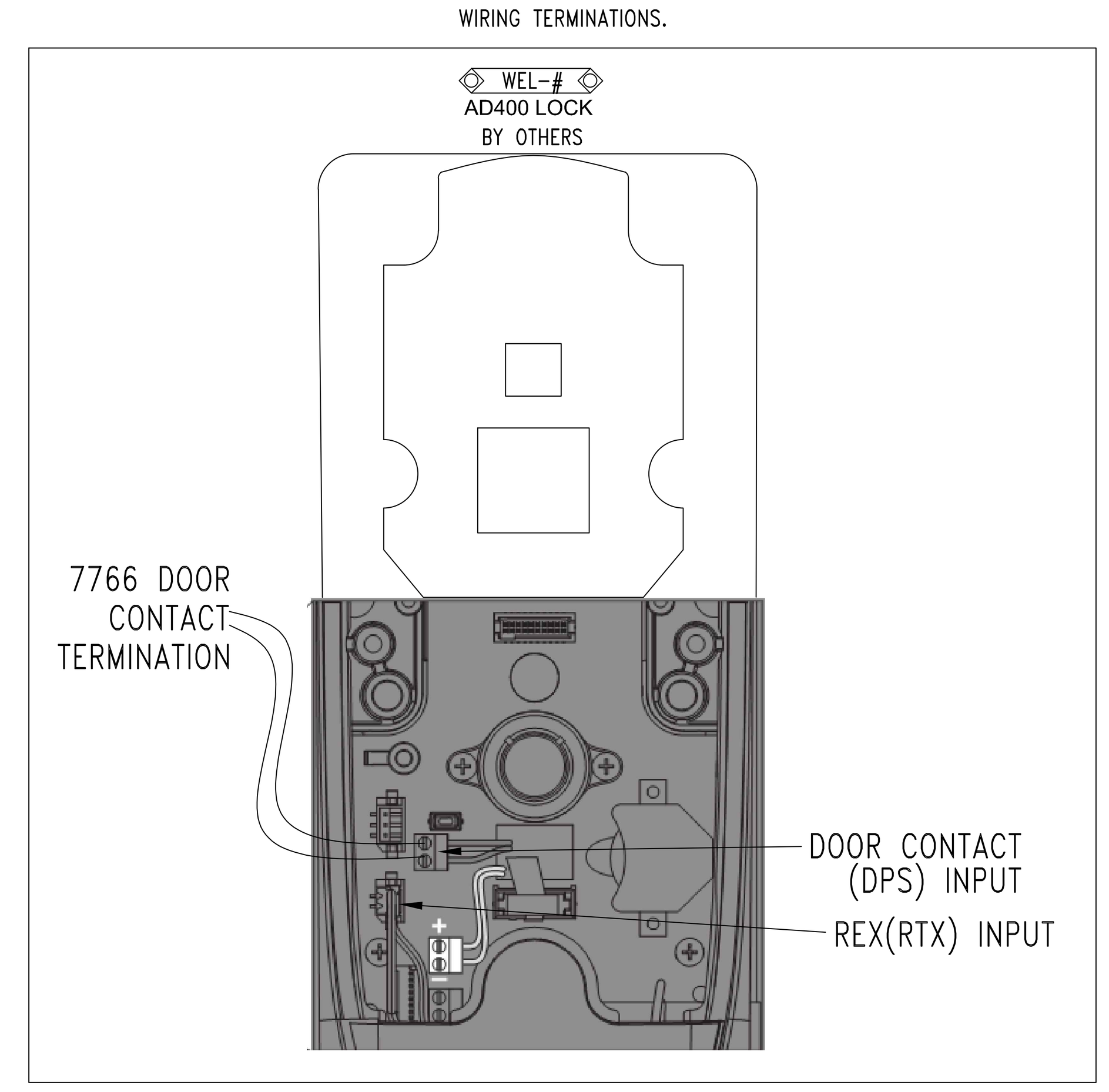
AD400 DOOR PROFILE



REX & DPS WIRE MUST BE TAKEN INTO HANDLE THEN TO AD400 CIRCUIT BOARD TO AVOID SURFACE WIRING.

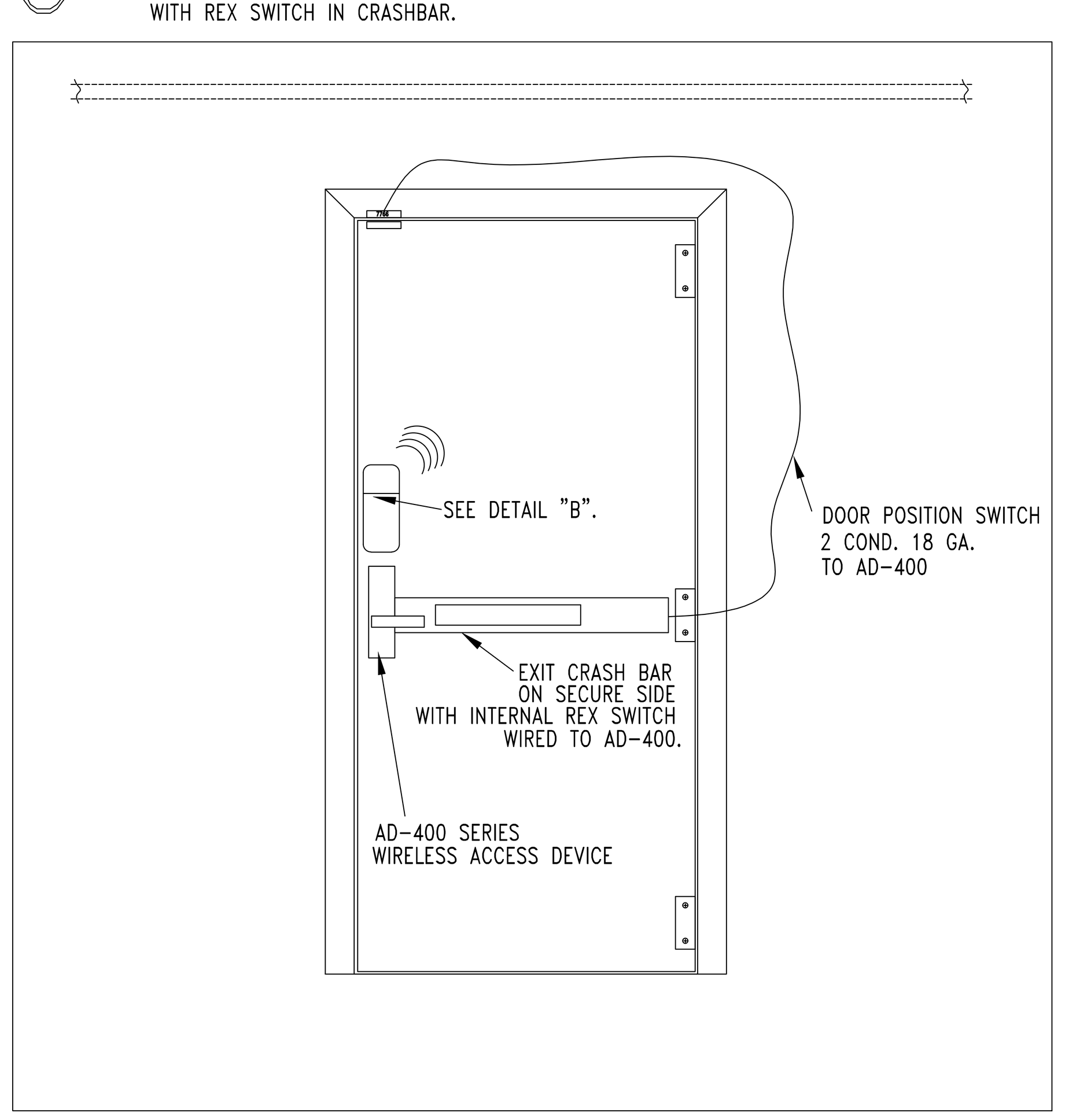
B

TYPICAL AD-400 WIRELESS ACCESS CONTROLLED DOOR WIRING TERMINATIONS.



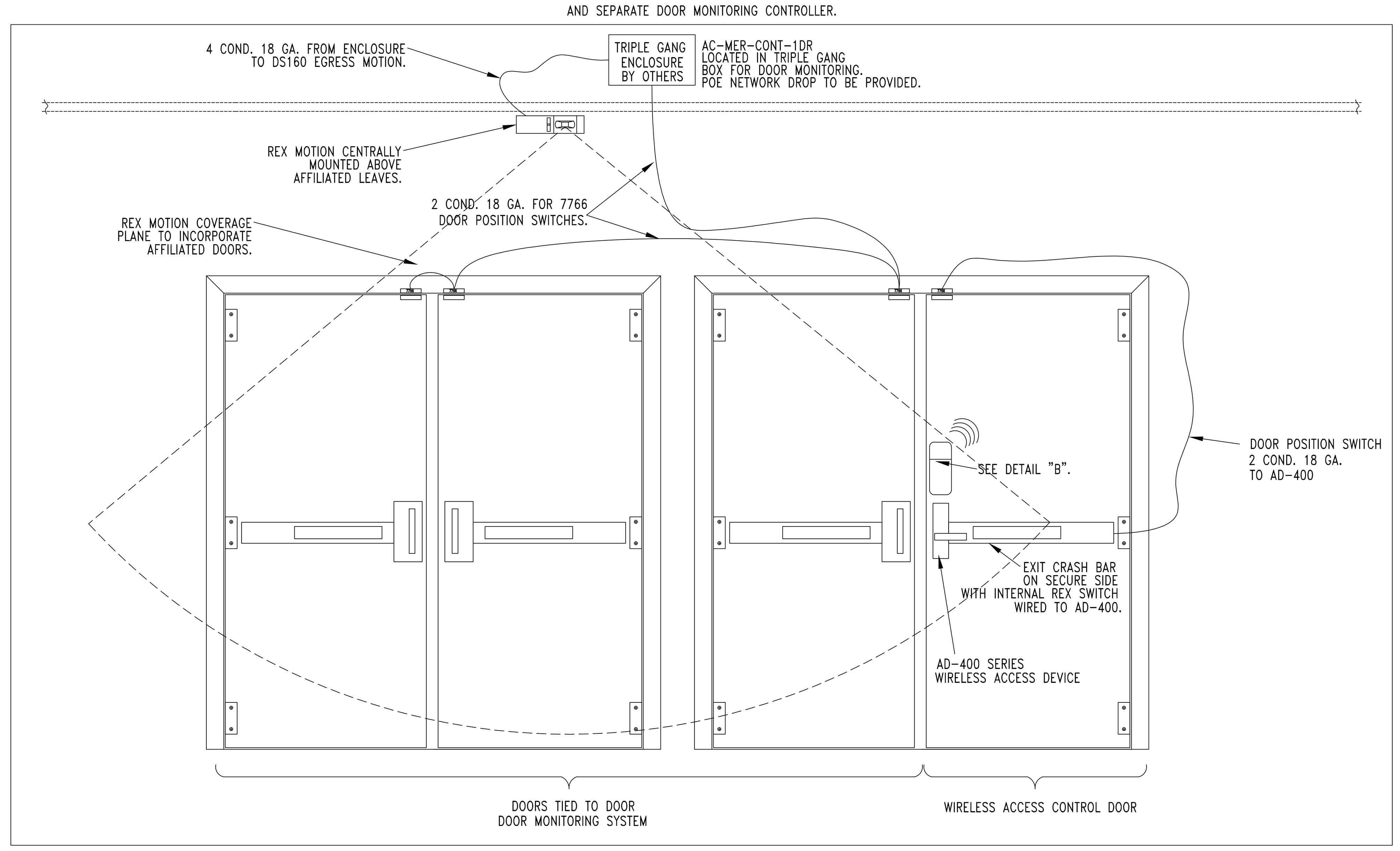
C

TYPICAL SINGLE LEAF AD-400 WIRELESS ACCESS CONTROLLED DOOR WITH REX SWITCH IN CRASHBAR.



D

TYPICAL QUADRUPLE LEAF PORTAL WITH AD-400 WIRELESS ACCESS CONTROLLED DOOR AND SEPARATE DOOR MONITORING CONTROLLER.



REVISION RECORD						
DATE		PROJ#	PHASE	APP	DRN	CKD

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1-800-836-0969 Facsimile 1-585-924-4698

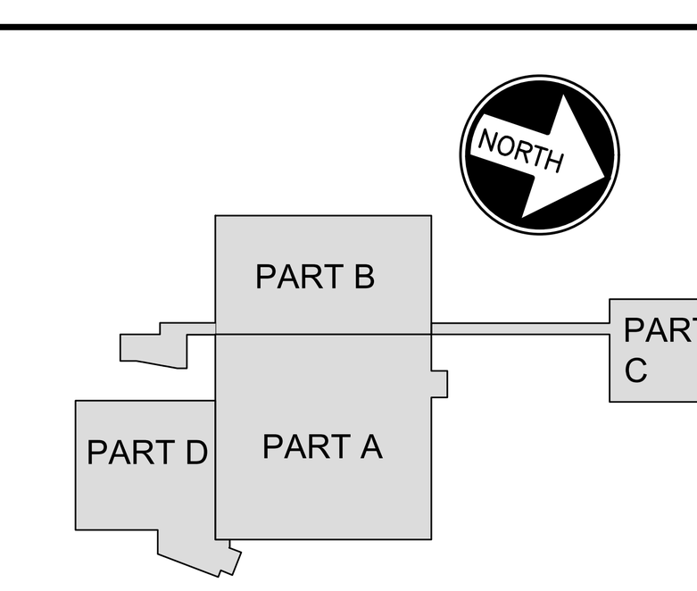
PROJECT DETAIL: VESTAL CSD AFRICAN ROAD

DRAWING DETAIL: WIRELESS ACCESS CONTROL SYSTEM TYPICAL DOOR WIRING AND STANDARD

DRAWING NUMBER VCSD-ARES-S#

FOR REFERENCE ONLY

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:

Vestal Central School District

201 Main Street | Vestal, NY 13850

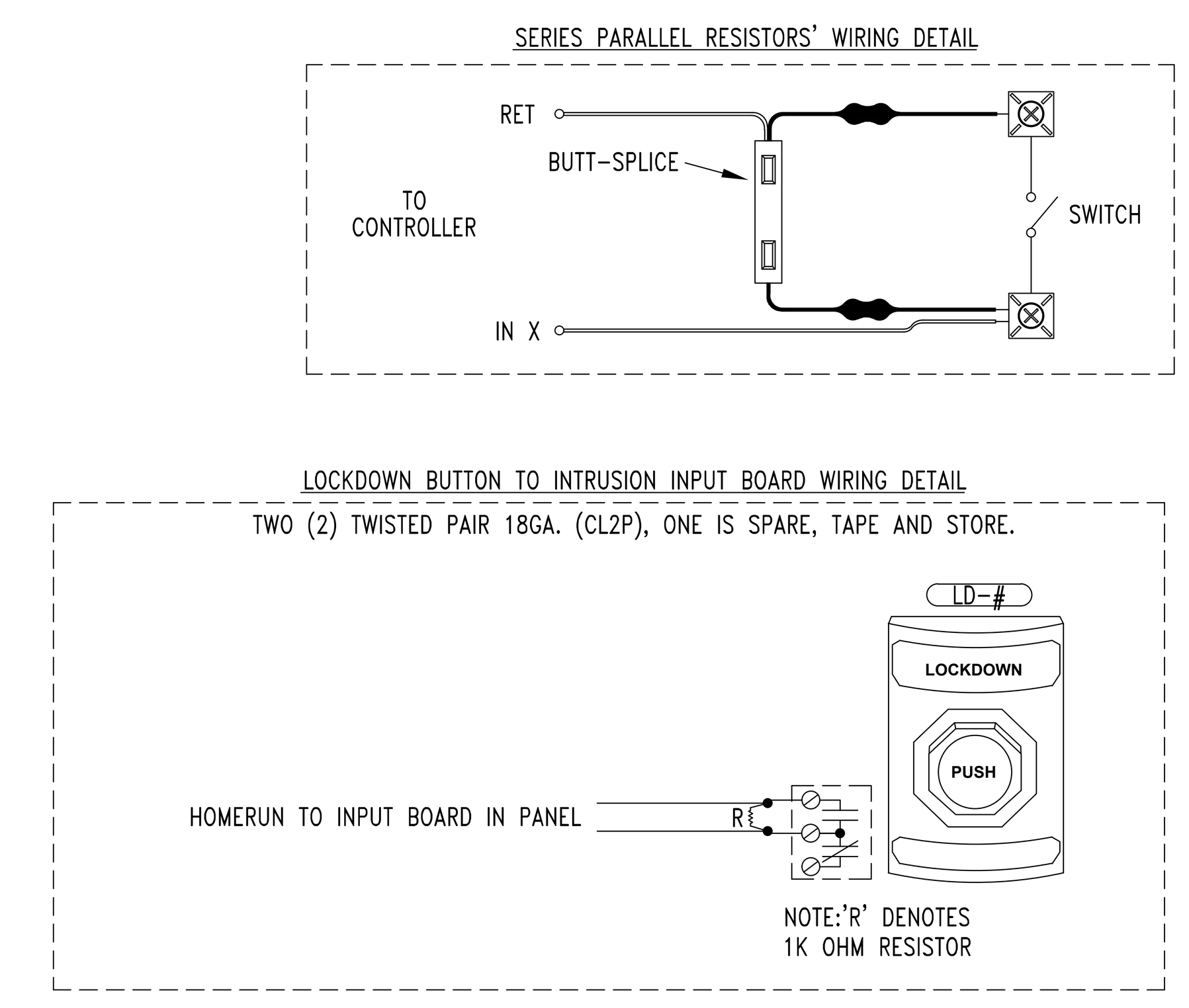
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

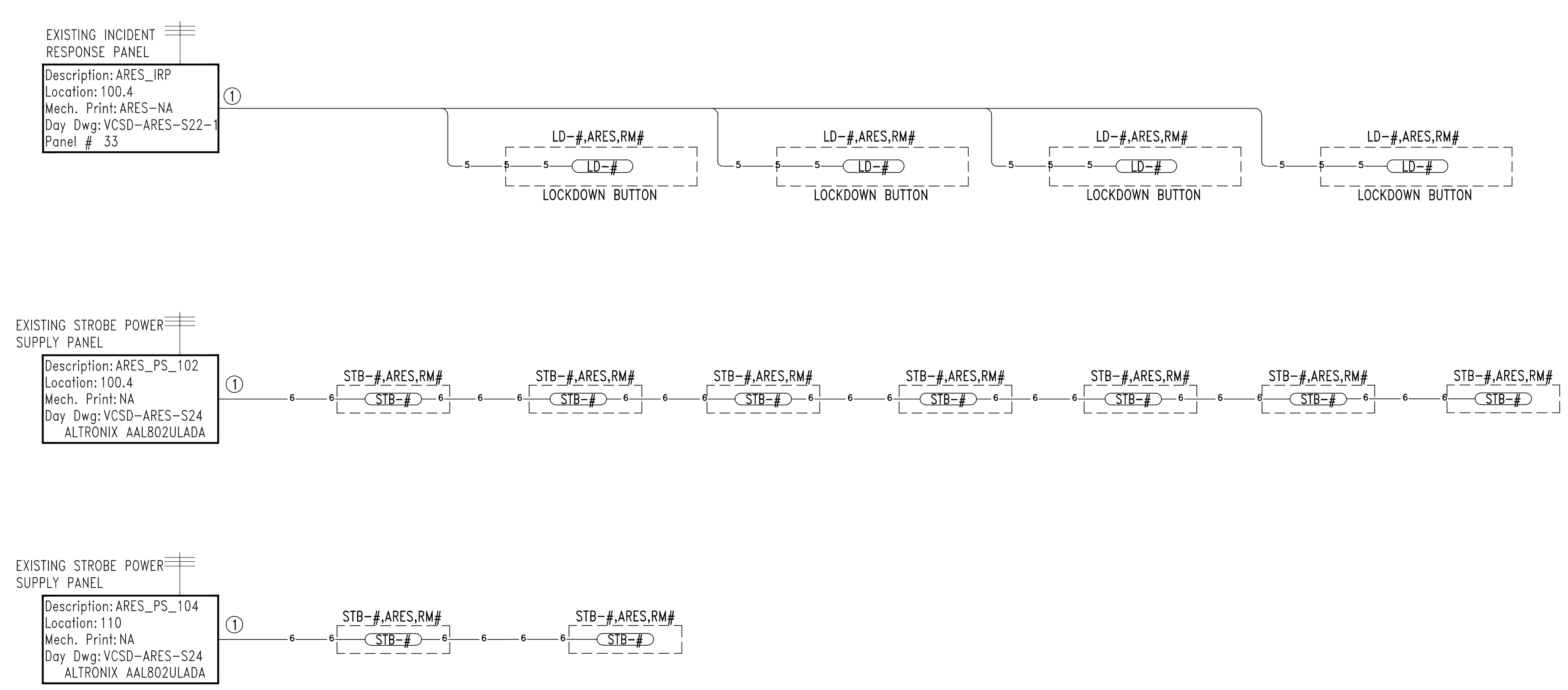
DRAWING TITLE:
DAY AUTOMATION DETAILS
DOOR ACCESS WIRING
TYPICALS

DRAWN BY: MLT / RFC	PROJECT NO.: 2025-151P
CHECKED BY: LKN	DRAWING NO.: E-504
DATE: 02-09-2026	

WIRE LEGEND	
NETWORK CATEGORY CABLE AS SPECIFIED SEE CONTRACT SPECIFICATIONS & ADDENDUM(S) MAX. TOTAL DISTANCE 328' FOR NETWORK	—1——1—
RG-6U COAX 20GA 75Ω 95%CU BRAID (CL2P) NO FOIL	—2——2—
6 COND. 18GA, STR W/OVERALL SHIELD (CL2P) MAX. DISTANCE 500'	—3——3—
INDICATES 1 TWISTED PAIR 18GA. (CL2P) WEST PENN PN# 25224B	—4——4—
INDICATES 2 TWISTED PAIR 18GA. (CL2P) WEST PENN PN# 25751B	—5——5—
INDICATES 2 COND. 16GA. (CL2P)	—6——6—
INDICATES 2 COND. 24GA. W/OVERALL SHIELD (BELDEN 82841)	—7——7—
INDICATES 4 COND. 24GA. W/OVERALL SHIELD (BELDEN 82842)	—8——8—
INDICATES INFINET CABLE	——— – ———
INDICATES 120 VAC UNSWITCHED POWER	╪

① WIRING RISER DEPICTS HOME-RUN WIRING FROM FIELD DEVICE(S) TO CONTROLLER(S) UNLESS OTHERWISE NOTED. RISER DOES NOT REFLECT WIRING PATHWAYS.





DATE | REVISION RECORD | PROJ.# | PHASE | APP | DRN | CKD

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Albany • New Paltz • Buffalo
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PROJECT DETAIL: DAY AUTOMATION SECURITY DETAILS
DRAWING DETAIL: INCIDENT RESPONSE LOCKDOWN SYSTEM
DRAWING NUMBER: IRP LOCKDOWN RISER

FOR REFERENCE ONLY

REVISIONS

KEY PLAN: PART A, PART B, PART C, PART D (NORTH)

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND ASSOCIATES
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102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

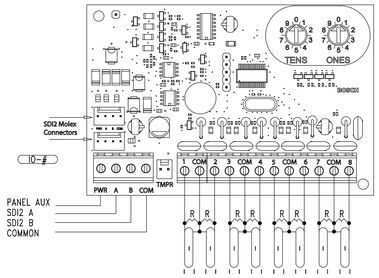
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
DAY AUTOMATION DETAILS
LOCKDOWN RISER

DRAWN BY: MLT / RFC
PROJECT NO.: 2025-151P
CHECKED BY: LKN
DRAWING NO.: E-505
DATE: 02-09-2026

CAD FILE: 5151-E500 - E508.DWG
PLOT DATE: 2/5/2026

REV 0 ADDS IRP



B208 IO MODULE ADDED TO EXISTING INCIDENT RESPONSE PANEL
INPUTS FOR HOMERUN LOCKDOWN BUTTONS.
RESISTORS LOCATED AT LOCKDOWN BUTTONS.

EQUIPMENT LIST

DEVICE TAG	QTY	PART NUMBER	MANUFACTURER	DEVICE DESCRIPTION	LOCATION
MNT-1	4	KIT-71101A-Y	STI	YELLOW BACK BOX & SPACER KIT FOR 1, 3 OR 4 SWITCH	FIELD
SW-1	4	SS2224LD-EN	STI	YELLOW STOPPER STATION, INDOOR ONLY, FLUSH OR SURFACE MOUNT, BUTTON W/COVER, MOMENTARY, NON-ILLUMINATED, LOCKDOWN LABEL	FIELD
IO-1	1	B208	BOSCH	OCTO-INPUT MODULE, SDI2 BUS, 1000 FT. MAX ON 4C 18 AWG	PANEL

#	DATE	REVISION RECORD	PROJ#	PHASE	APP	DRN	CKD

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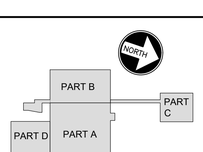
PROJECT DETAIL:
VESTAL CSD
AFRICAN ROAD ELEMENTARY
DRAWING DETAIL:
INCIDENT RESPONSE PANEL
CONTINUED
PANEL #33 CONTROL DETAILS

DRAWING NUMBER
VCSD-ARES-S22-1

FOR REFERENCE ONLY

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND
ASSOCIATES
architecture | engineering | interior design
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www.highlandassociates.com
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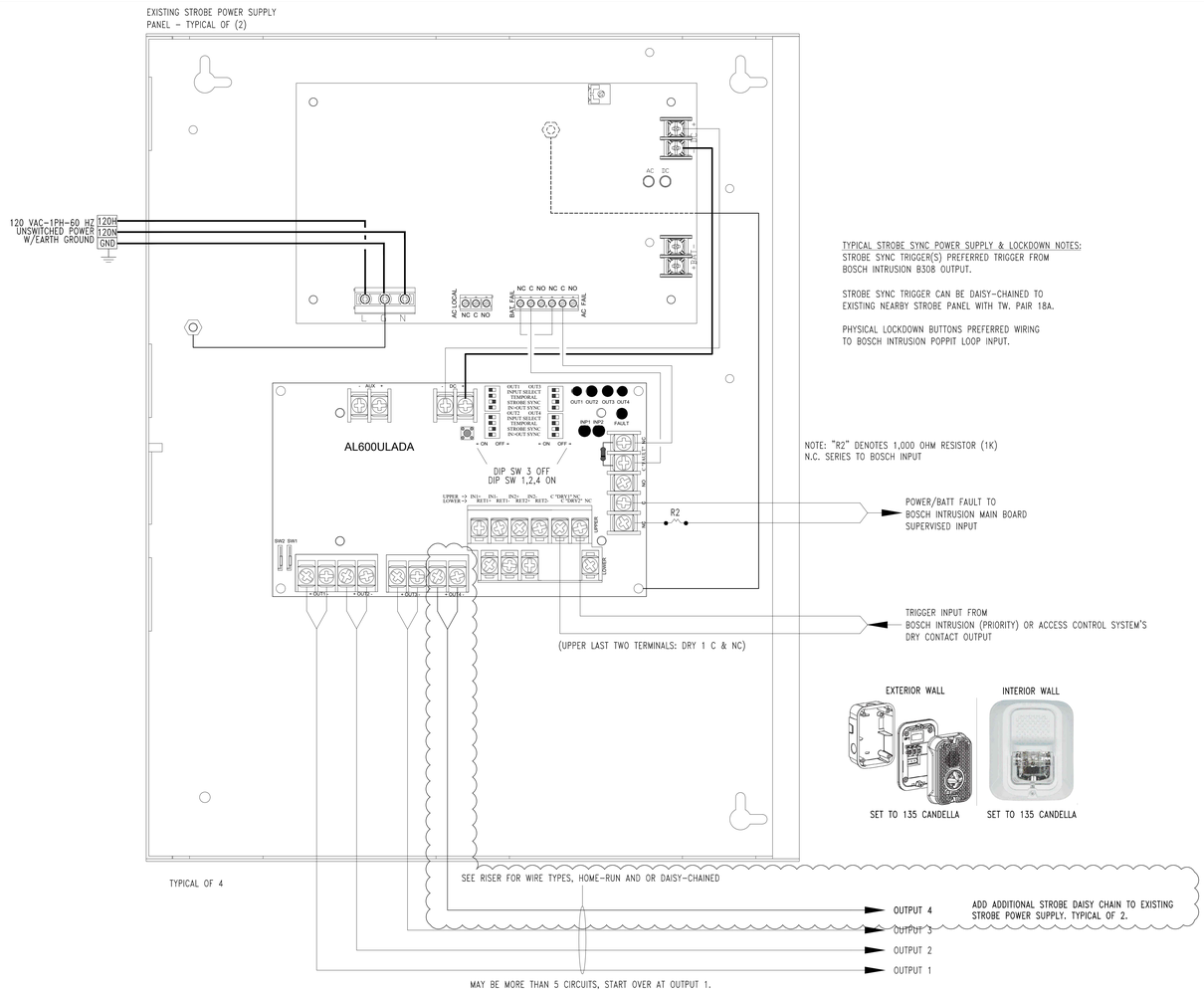
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
DAY AUTOMATION DETAILS
IRP PANEL

DRAWN BY:	PROJECT NO.:
MLT / RFC	2025-151P
CHECKED BY:	DRAWING NO.:
LKN	E-506
DATE: 02-09-2026	

DWG FILE:
PLOT DATE: 2/5/2026



TYPICAL STROBE SYNC POWER SUPPLY & LOCKDOWN NOTES:
STROBE SYNC TRIGGER(S) PREFERRED TRIGGER FROM
BOSCH INTRUSION B308 OUTPUT.

STROBE SYNC TRIGGER CAN BE DAISY-CHAINED TO
EXISTING NEARBY STROBE PANEL WITH TW. PAIR 18A.

PHYSICAL LOCKDOWN BUTTONS PREFERRED WIRING
TO BOSCH INTRUSION POPPIT LOOP INPUT.

EQUIPMENT LIST

DEVICE TAG	QTY	PART NUMBER	MANUFACTURER	DEVICE DESCRIPTION	LOCATION
STB-1	2	SGWKLED-P	System Sensor	L-Series LED Outdoor Plain White Compact Strobe, Wall Mount, Clear Lens, 24 Vdc	FIELD
STB-2	7	SWLED-P	System Sensor	L-Series LED Indoor Plain White Strobe, Wall Mount, Clear Lens, 24 Vdc	FIELD
LENS-1	9	LENS-B3	System Sensor	Blue Lens for L-Series LED Wall or Ceiling Mount Strobes	FIELD

DATE	REVISION RECORD	PROJ.#	PHASE	APP	DRN	CKD
01/30/2025						

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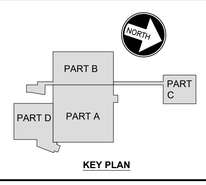
Albany • New Paltz • Buffalo
1-800-836-0969

PROJECT DETAIL:
VESTAL CSD
AFRICAN ROAD ELEMENTARY
DRAWING TITLE:
LOCKDOWN SYSTEM
TYPICAL STROBE AND POWER SUPPLY WIRING

DRAWING NUMBER
VCSD-ARES-S24

FOR REFERENCE ONLY

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND
ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

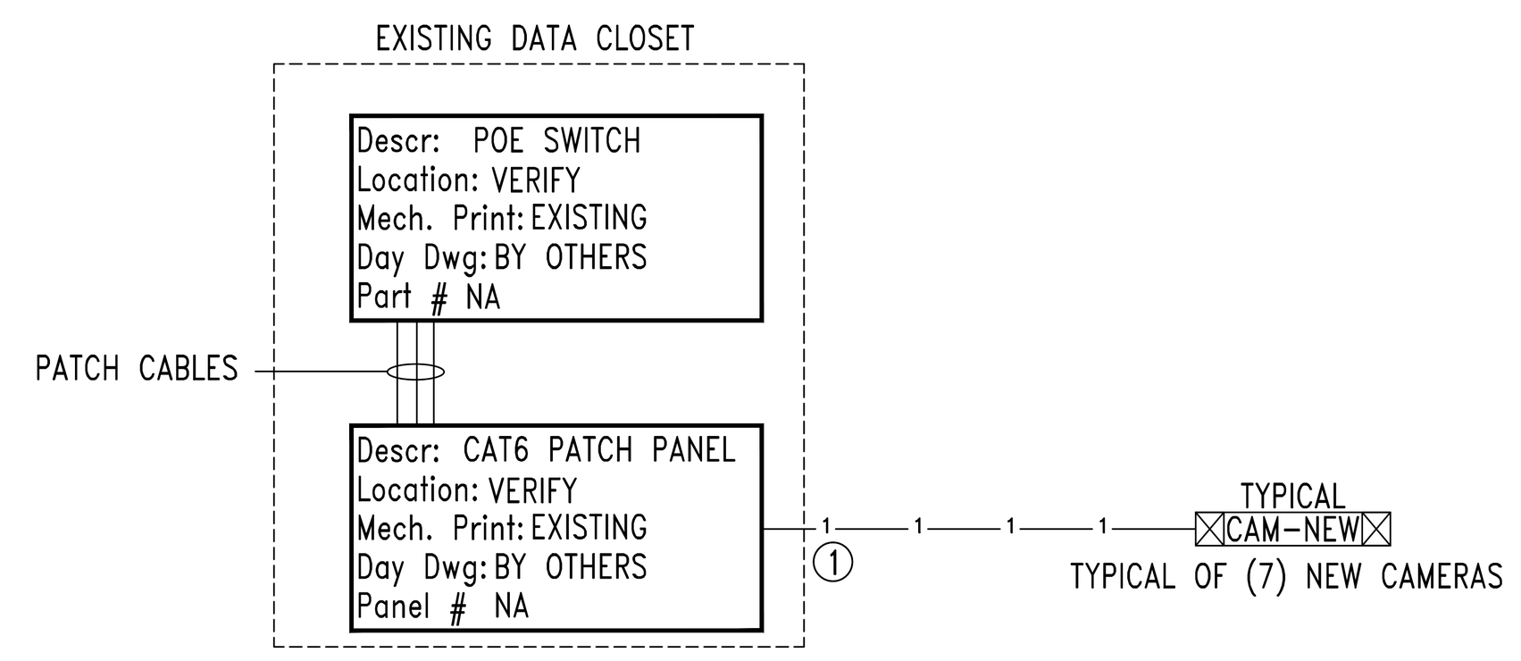
PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

DRAWING TITLE:
DAY AUTOMATION DETAILS
LOCKDOWN STROBE
PS PANEL

DRAWN BY:	PROJECT NO.:
MLT / RFC	2025-151P
CHECKED BY:	DRAWING NO.:
LKN	E-507
DATE: 02-09-2026	

CAD FILE:
PLOT DATE: 2/2026

IP VIDEO RECORDING SYSTEM RISER DIAGRAM



WIRE LEGEND	
NETWORK CATEGORY CABLE AS SPECIFIED SEE CONTRACT SPECIFICATIONS & ADDENDUM(S) MAX. TOTAL DISTANCE 328' FOR NETWORK	—1——1—
RG-6U COAX 20GA 75Ω 95%CU BRAID (CL2P) NO FOIL	—2——2—
6 COND. 18GA, STR W/OVERALL SHIELD (CL2P) MAX. DISTANCE 500'	—3——3—
INDICATES 1 TWISTED PAIR 18GA. (CL2P) WEST PENN PN# 25224B	—4——4—
INDICATES 2 TWISTED PAIR 18GA. (CL2P) WEST PENN PN# 25751B	—5——5—
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INDICATES 4 COND. 24GA. W/OVERALL SHIELD (BELDEN 82842)	—8——8—
INDICATES INFINET CABLE	——— – ———
INDICATES 120 VAC UNSWITCHED POWER	

SYMBOL LIST	
ENCLOSURE	ENC-#
FIXED CCTV CAMERA	CAM-#
PTZ CCTV CAMERA	PTZ-#
SHOCK SENSOR	SS-#
GLASS BREAK SENSOR	GB-#
MOTION DETECTOR	MD-#
CARD READER	RDR-#
REQUEST TO EXIT	REX-#
ELECTRIC LOCK	EL-#
RELAY	RLY-#
DOOR CONTACT	DC-#
INTERCOM MASTER	ICM-#
INTERCOM DOOR STATION	IC-#
ADA DOOR OPERATOR	ADA-#
ADA DOOR BUTTON	BT-#

① WIRING RISER DEPICTS HOME-RUN WIRING FROM FIELD DEVICE(S) TO CONTROLLER(S) UNLESS OTHERWISE NOTED. RISER DOES NOT REFLECT WIRING PATHWAYS.

#	DATE	REVISION RECORD	PROJ.#	PHASE	APP	DRN	CKD

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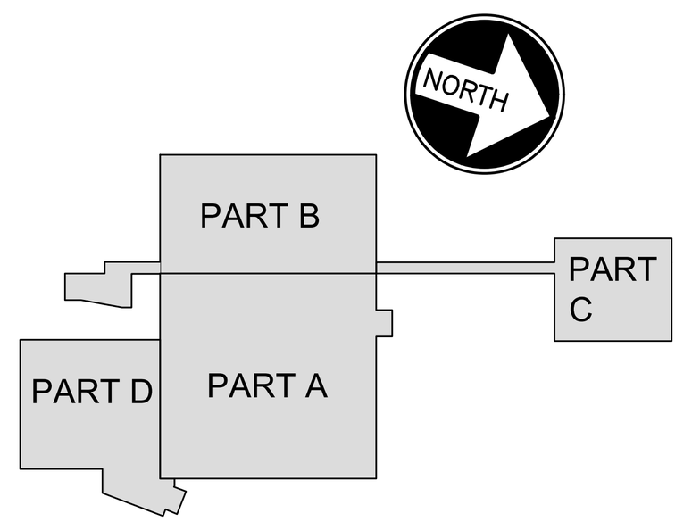
PROJECT DETAIL:
VESTAL CSD
AFRICAN ROAD ELEMENTARY
DRAWING DETAIL:
IP VIDEO SYSTEM
DATA, POWER &
COMMUNICATIONS RISER DIAGRAM

DRAWING NUMBER
VCSD-ARES-S02

FOR REFERENCE ONLY

REVISIONS



BID DOCUMENTS
02-09-2026

SEALS:

HIGHLAND ASSOCIATES
architecture | engineering | interior design
102 Highland Avenue
Clarks Summit, PA 18411
570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:
Vestal
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED # 03-16-01-06-0-013-018

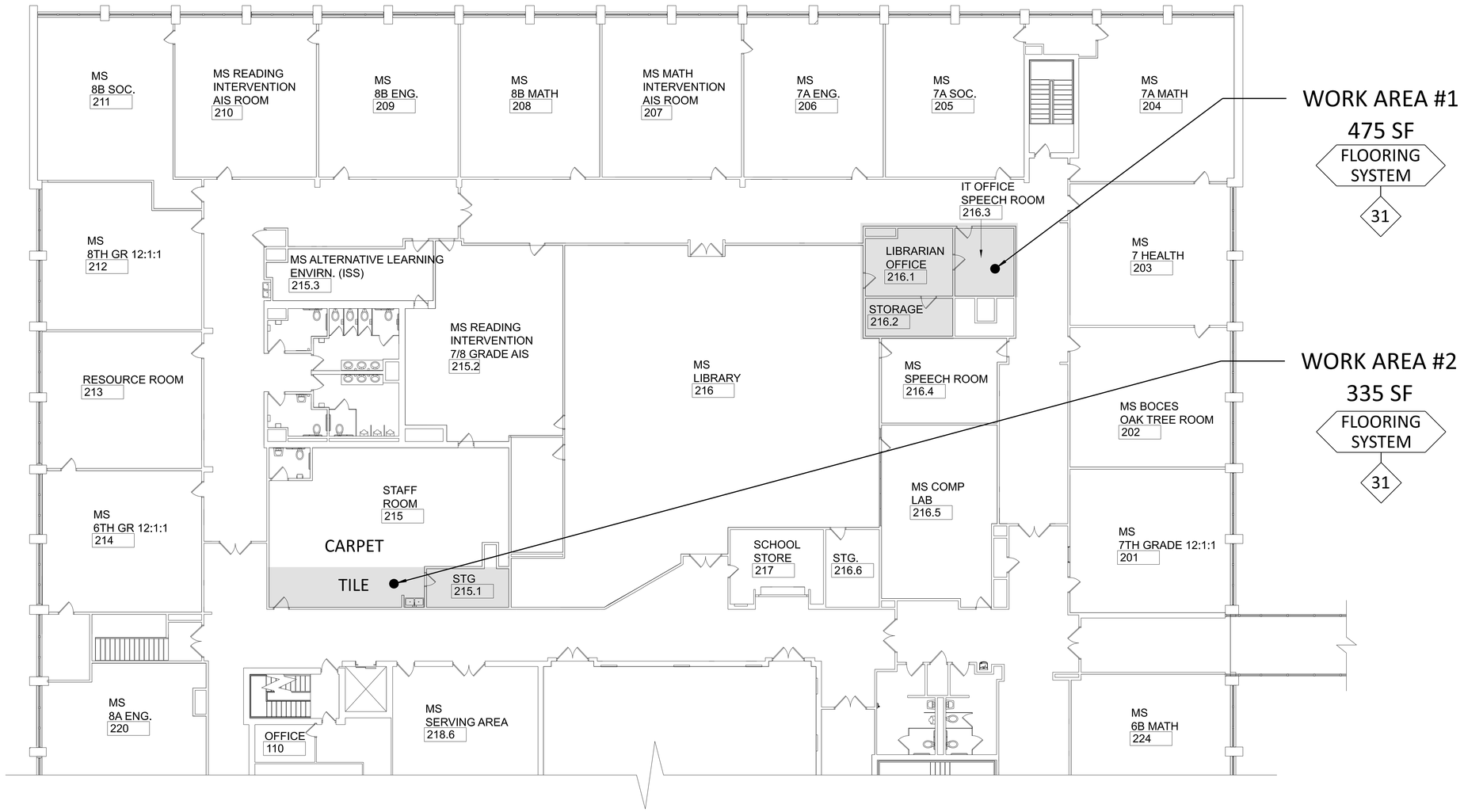
DRAWING TITLE:
DAY AUTOMATION DETAILS
VIDEO RISER

DRAWN BY:	PROJECT NO.:
MLT / RFC	2025-151P
CHECKED BY:	DRAWING NO.:
LKN	E-508
DATE:	
02-09-2026	

FLOORING SYSTEMS

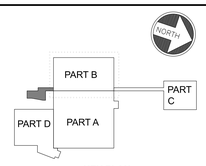
31

- REMOVE AND DISPOSE ASBESTOS CONTAINING MATERIAL (ACM) RESILIENT FLOOR TILES, WALL BASE, INCLUDING THEIR MASTIC AND LEVELERS, DOWN TO CONCRETE FLOORING SUBSTRATE WHERE/AS INDICATED ON CONTRACT DRAWINGS;



GRAPHIC SCALE
0" 4" 8" 16" 24"

REVISIONS



KEY PLAN

BID DOCUMENTS
02-09-2026

SEALS:

HULBERT Engineering
and Land Surveying, DPC
• CIVIL ENGINEERING
• LAND SURVEYING
• ENVIRONMENTAL ENGINEERING
• CONSTRUCTION COORDINATION
Centre Plaza
53 Chenango Street, 8th Floor
Binghamton, New York 13901-2765
Phone: 607.723.0799

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architecture | engineering | interior design
102 Highland Avenue
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570-586-4334
www.highlandassociates.com
New York • Pennsylvania

PROJECT TITLE:
Vestal Central School District
201 Main Street | Vestal, NY 13850
2022 Capital Project Phase 3
AR SED #03-16-01-06-0-013-018

DRAWING TITLE:
SECOND FLOOR ABATEMENT PLAN

DRAWN BY:	PROJECT NO.:
ZJM	2025-151P
CHECKED BY:	
GHH	H002
DATE: 02-09-2026	

DATE: PLOT DATE: