DRAWING INDEX:

CODE COMPLIANCE
- CC101 CODE COMPLIANCE PLAN - GROUND FLOOR
- CC102 CODE COMPLIANCE PLAN - FIRST FLOOR
- CC103 CODE COMPLIANCE PLAN - SECOND FLOOR
- CC104 CODE COMPLIANCE PLAN - THIRD FLOOR

HAZARDOUS MATERIALS
- AR101 ASBESTOS REMOVAL PLAN - FIRST FLOOR, AREA C
- AR102 ASBESTOS REMOVAL PLAN - FIRST FLOOR, AREA D

SITEWORK
- C100 SITE SURVEY BOSTWICK FIELDS
- C101 SITE SURVEY LOWVILLE ACADEMY
- C102 SITE PREPARATION PLAN BOSTWICK FIELD PARKING LOTS
- C103 SITE PREPARATION PLAN BOSTWICK FIELD TRACK AREA
- C104 SITE PREPARATION PLAN LOWVILLE ACADEMY
- C105 STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BOSTWICK FIELDS
- C106 GRADING AND DRAINAGE PLAN -BOSTWICK FIELD PARKING LOTS
- C107 GRADING AND DRAINAGE PLAN - BOSTWICK FIELD TRACK AREA BASE BID
- C108 GRADING AND DRAINAGE PLAN BOSTWICK ALTERNATE NO. 1 AND NO. 5
- C109 GRADING and DRAINAGE PLAN - LOWVILLE ACADEMY
- C110 UTILITY PLAN - BOSTWICK FIELDS PARKING LOTS
- C111 UTILITY PLAN BOSTWICK FIELD TRACK AREA BASE BID
- C112 UTILITY PLAN BOSTWICK ALTERNATE NO. 1 AND NO. 5
- C113 LAYOUT PLAN BOSTWICK FIELD PARKING LOTS
- C114 LAYOUT PLAN BOSTWICK FIELD TRACK AREA BASE BID
- C115 LAYOUT PLAN BOSTWICK ALTERNATE NO. 1 AND NO. 5
- C116 LAYOUT PLAN LOWVILLE ACADEMY
- C117 SITE SANITARY IMPROVEMENTS - LOWVILLE ACADEMY ALTERNATE NO. 7
- C118 SITE DETAILS
- C119 SITE DETAILS
- C120 SITE DETAILS
- C121 EXTERIOR BLEACHER DETAILS BOSTWICK FIELD
- C122 EXTERIOR BLEACHER DETAILS BOSTWICK FIELD (ALTERNATE NO. 5)
- C123 EXTERIOR PRESSBOX DETAILS BOSTWICK FIELD
- C124 CURB CUT PLANS, NOTES AND DETAILS BOSTWICK AND ACADEMY

STRUCTURAL
- S101 PARTIAL ROOF FRAMING PLANS
- S201 TYPICAL DETAILS, DESIGN PARAMETERS & GEN. NOTES

ARCHITECTURE
- AD101 PARTIAL REMOVALS PLAN
- AD102 PARTIAL REMOVALS PLAN
- AD110 PARTIAL REMOVALS PLAN
- A101 PARTIAL FLOOR PLAN
- A102 PARTIAL FLOOR PLAN
- A103 PARTIAL ROOF PLAN & DETAILS
- A110 PARTIAL REFLECTED CEILING PLANS
- A401 ENLARGED TOILET ROOM PLANS
- A402 ENLARGED GYM FLOOR PLAN & DETAILS
- A601 SCHEDULES & DETAILS

PLUMBING
- P001 DRAWING INDEX, SYMBOL LIST, ABBREVS., SCHEDULES & DETAILS
- PD101 PARTIAL GROUND FLOOR REMOVAL PLAN - AREA B
- PD102 PARTIAL REMOVALS PLAN – FIRST FLOOR, AREA C
- PD105 PARTIAL FIRST FLOOR REMOVAL PLAN - AREA C
- PD106 PARTIAL FIRST FLOOR REMOVAL PLAN - AREA D
- PD107 PARTIAL FIRST FLOOR REMOVAL PLAN - AREA E
- P101 PARTIAL GROUND FLOOR PLAN - AREA B
- P102 PARTIAL GROUND FLOOR PLAN - AREA E
- P105 PARTIAL FIRST FLOOR PLAN - AREA C
- P106 PARTIAL FIRST FLOOR PLAN - AREA D
- P107 PARTIAL FIRST FLOOR PLAN - AREA E

MECHANICAL
- M001 DRAWING INDEX, SYMBOLS, ABBREVS. & SCHEDULES
- MCC1 MECHANICAL CODE COMPLIANCE
- MD105 PARTIAL FIRST FLOOR REMOVALS PLAN - AREA C HVAC
- MD106 PARTIAL FIRST FLOOR REMOVALS PLAN - AREA D HVAC
- MD109 PARTIAL SECOND FLOOR REMOVALS PLAN - AREA B HVAC
- MD110 PARTIAL SECOND FLOOR REMOVALS PLAN - AREA C HVAC
- MD111 PARTIAL SECOND FLOOR REMOVALS PLAN - AREA D HVAC
- MD114 ROOF REMOVALS PLAN HVAC
- M104 PARTIAL GROUND FLOOR PLAN - AREA E HVAC
- M105 PARTIAL FIRST FLOOR PLAN - AREA C HVAC
- M106 PARTIAL FIRST FLOOR PLAN - AREA D HVAC
- M107 PARTIAL FIRST FLOOR PLAN - AREA E HVAC
- M109 PARTIAL SECOND FLOOR PLAN - AREA B HVAC
- M110 PARTIAL SECOND FLOOR PLAN - AREA C HVAC
- M114 ROOF PLAN - HVAC
- M601 EQUIPMENT SCHEDULES & HVAC DETAILS

ELECTRICAL
- E001 DRAWING INDEX, SYMBOLS & ABBREVS.
- E002 SITE PLAN
- E003 SITE PLAN
- E004 SITE PLAN - ALTERNATE 2
- E005 SITE DETAILS
- ED101 PARTIAL REMOVALS PLAN - GROUND FLOOR, AREA B
- ED102 PARTIAL REMOVALS PLAN - GROUND FLOOR, AREA E
- ED103 PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA A
- ED104 PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA B
- ED105 PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA C
- ED106 PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA D
- ED107 PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA E
- ED108 PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA A
- ED109 PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA B
- ED110 PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA C
- ED111 PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA D
- ED113 PARTIAL REMOVALS PLAN - THIRD FLOOR, AREA B
- ED114 REMOVALS PLAN - ROOF
- E101 PARTIAL PLAN - GROUND FLOOR, AREA B
- E102 PARTIAL PLAN - GROUND FLOOR, AREA E
- E103 PARTIAL PLAN - FIRST FLOOR, AREA A
- E104 PARTIAL PLAN - FIRST FLOOR, AREA B
- E105 PARTIAL PLAN - FIRST FLOOR, AREA C
- E106 PARTIAL PLAN - FIRST FLOOR, AREA D
- E107 PARTIAL PLAN - FIRST FLOOR, AREA E
- E108 PARTIAL PLAN - SECOND FLOOR, AREA A
- E109 PARTIAL PLAN - SECOND FLOOR, AREA B
- E110 PARTIAL PLAN - SECOND FLOOR, AREA C
- E111 PARTIAL PLAN - SECOND FLOOR, AREA D
- E113 PARTIAL PLAN - THIRD FLOOR , AREA B
- E114 ROOF PLAN
- E901 DIAGRAMS AND DETAILS

MA
MARCH
ASSOCIATES
ARCHITECTS & PLANNERS, PC

258 Genesee Street, Suite 300
Utica, NY 13502
315.733.5544
marchassoc.com

LOWVILLE ACADEMY & CENTRAL SCHOOL

CAPITAL PROJECT

MAIN BUILDING

7668 STATE STREET, LOWVILLE, NEW YORK 13367

SED CONTROL NO.: 23-09-01-04-0-001-022

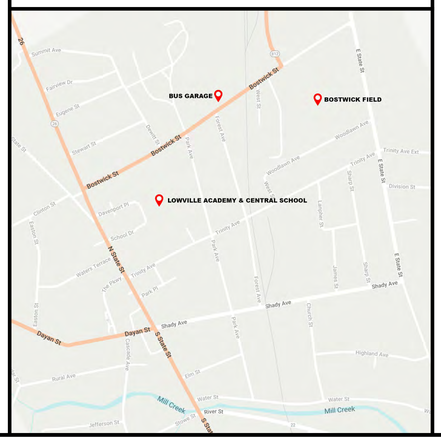
NEW PRESS BOX

BOSTWICK STREET, LOWVILLE, NEW YORK 13367

SED CONTROL NO.: 23-09-01-04-7-018-001

LOCATION PLAN

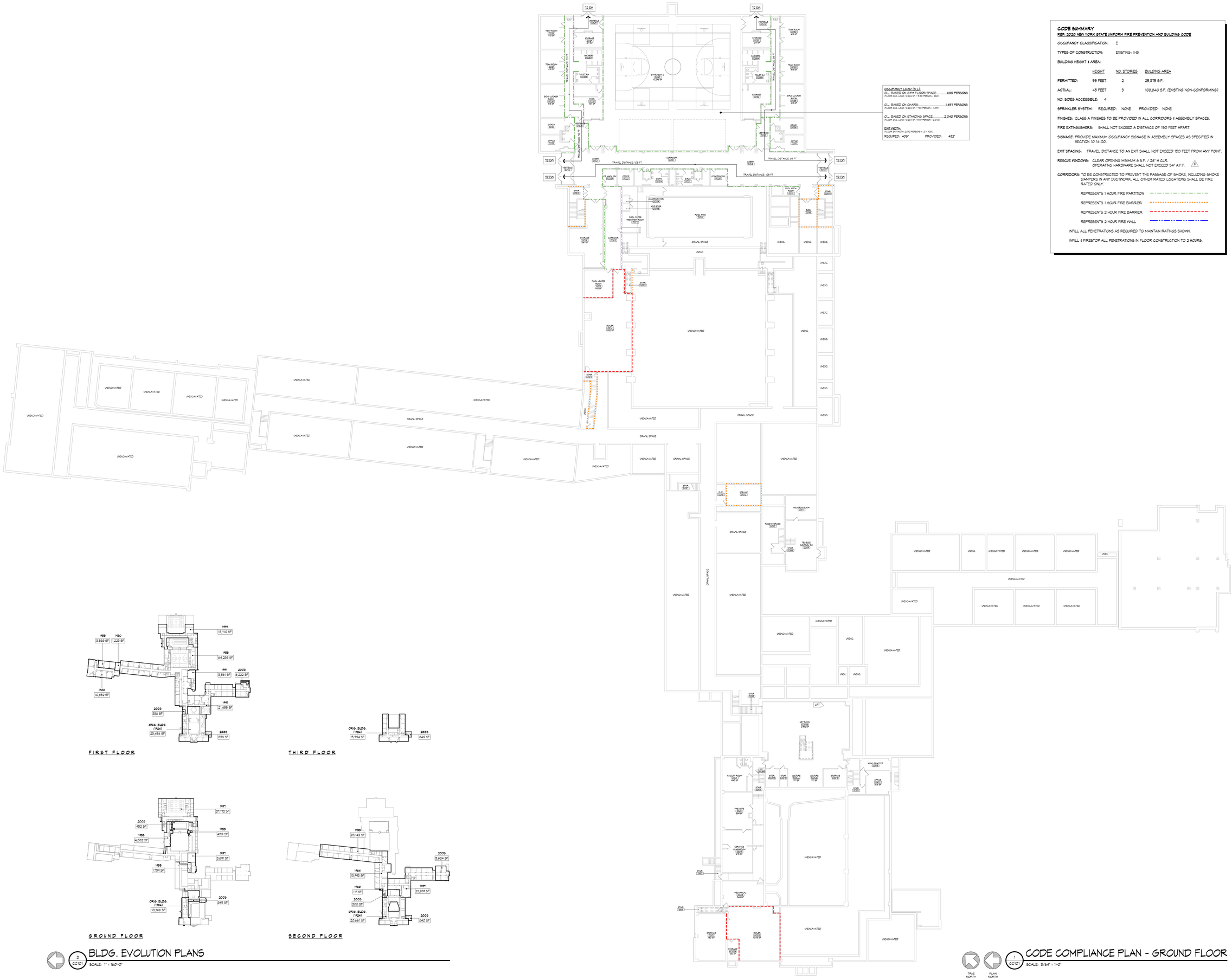
NORTH



REGISTERED ARCHITECT
DAVID DANIEL PAGE
069664
STATE OF NEW YORK
VALID THROUGH 02/28/2026

THE UNDERSIGNED CERTIFIES THAT TO THE BEST OF THEIR KNOWLEDGE, INFORMATION AND BELIEF, THE PLANS AND SPECIFICATIONS ARE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND CONSTRUCTION STANDARDS OF THE STATE EDUCATION DEPARTMENT.

BID SET NO. ___
ISSUED FOR BID
NOVEMBER 30, 2023
MARCH ASSOCIATES NO. 2194



CODE SUMMARY

REF. 2020 NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE

OCCUPANCY CLASSIFICATION: E

TYPES OF CONSTRUCTION: EXISTING: II-B

BUILDING HEIGHT & AREA:

	HEIGHT	NO. STORIES	BUILDING AREA
PERMITTED:	55 FEET	2	29,375 S.F.
ACTUAL:	45 FEET	3	109,840 S.F. (EXISTING NON-CONFORMING)

NO. SIDES ACCESSIBLE: 4

SPRINKLER SYSTEM: REQUIRED: NONE PROVIDED: NONE

FINISHES: GLASS A FINISHES TO BE PROVIDED IN ALL CORRIDORS & ASSEMBLY SPACES.

FIRE EXTINGUISHERS: SHALL NOT EXCEED A DISTANCE OF 150 FEET APART.

SIGNAGE: PROVIDE MAXIMUM OCCUPANCY SIGNAGE IN ASSEMBLY SPACES AS SPECIFIED IN SECTION 10 14 00.

EXIT SPACING: TRAVEL DISTANCE TO AN EXIT SHALL NOT EXCEED 150 FEET FROM ANY POINT.

RESCUE WINDOWS: CLEAR OPENING MINIMUM 8 S.F. / 24" H CLR. OPERATING HARDWARE SHALL NOT EXCEED 54" A.F.F. (A)

CORRIDORS: TO BE CONSTRUCTED TO PREVENT THE PASSAGE OF SMOKE, NCLUDING SMOKE DAMPERS IN ANY DUCTWORK. ALL OTHER RATED LOCATIONS SHALL BE FIRE RATED ONLY.

- REPRESENTS 1 HOUR FIRE PARTITION
- REPRESENTS 1 HOUR FIRE BARRIER
- REPRESENTS 2 HOUR FIRE BARRIER
- REPRESENTS 2 HOUR FIRE WALL

INFILL ALL PENETRATIONS AS REQUIRED TO MAINTAN RATINGS SHOWN.

INFILL & FIRESTOP ALL PENETRATIONS IN FLOOR CONSTRUCTION TO 2 HOURS.

2 / GC101 BLDG. EVOLUTION PLANS
SCALE: 1" = 160'-0"

1 / GC101 CODE COMPLIANCE PLAN - GROUND FLOOR
SCALE: 3/64" = 1'-0"

TRUE NORTH / PLAN NORTH

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.5344
marchassoc.com

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REGISTERED ARCHITECT JOHN DANIEL JACKSON 036996 STATE OF NEW YORK
VALID THROUGH 02/28/2026

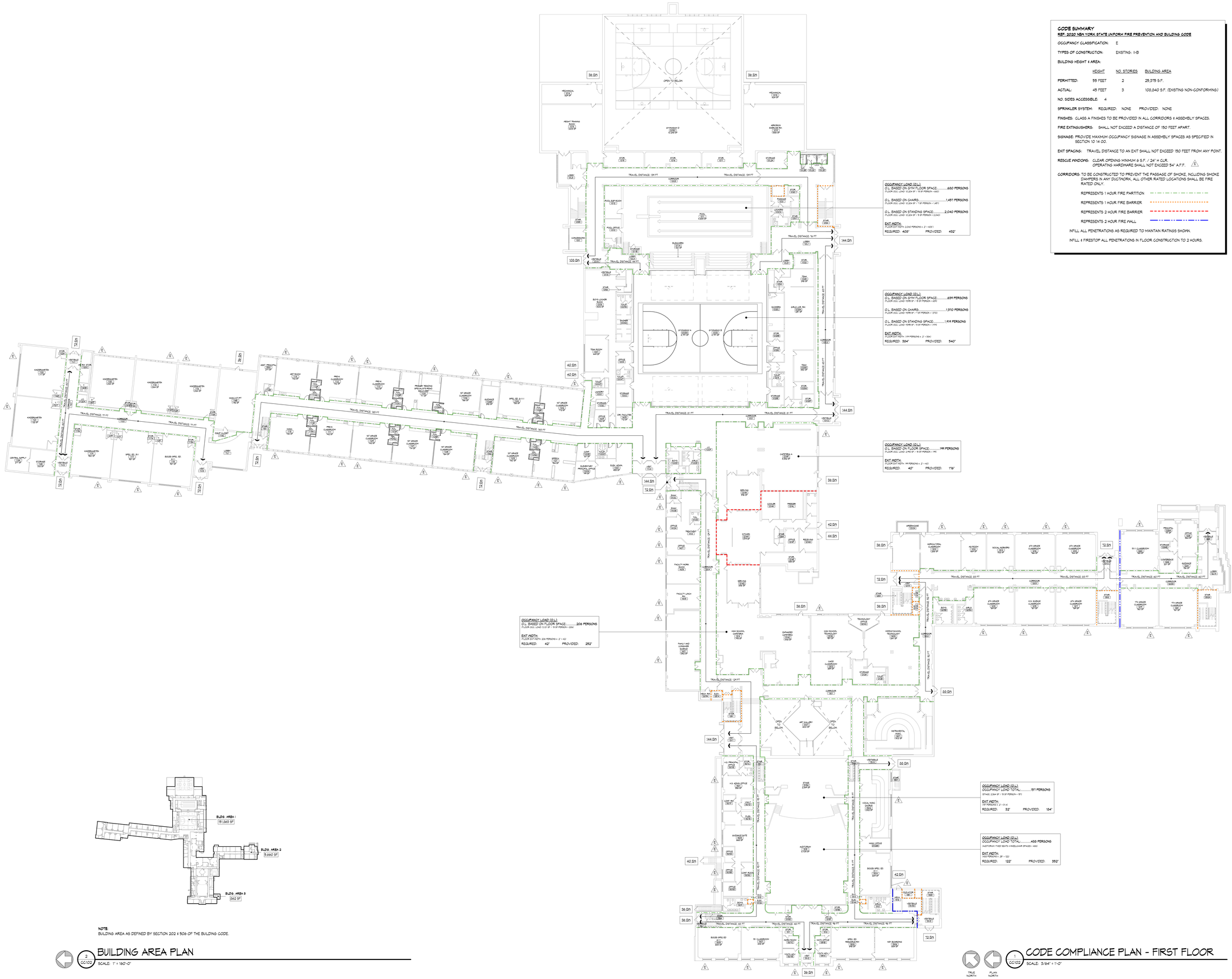
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	CJF
CHECKED BY	PDJ
SCALE	As indicated
PROJECT NO.	2194

DRAWING TITLE
CODE COMPLIANCE PLAN - GROUND FLOOR

DRAWING NO.
CC101



OCCUPANCY LOAD (O.L.)
O.L. BASED ON GYM FLOOR SPACE..... 660 PERSONS
(FLOOR OCC. LOAD: 10,224 SF / 15 SF/PERSON = 660)

O.L. BASED ON CHAIRS..... 1,491 PERSONS
(FLOOR OCC. LOAD: 10,224 SF / 7 SF/PERSON = 1,491)

O.L. BASED ON STANDING SPACE..... 2,040 PERSONS
(FLOOR OCC. LOAD: 10,224 SF / 5 SF/PERSON = 2,040)

EXIT WIDTH:
FLOOR EXIT WIDTH: 2,040 PERSONS x .2" = 408"
REQUIRED: 408" PROVIDED: 432"

OCCUPANCY LOAD (O.L.)
O.L. BASED ON GYM FLOOR SPACE..... 609 PERSONS
(FLOOR OCC. LOAD: 9,198 SF / 15 SF/PERSON = 609)

O.L. BASED ON CHAIRS..... 1,310 PERSONS
(FLOOR OCC. LOAD: 9,198 SF / 7 SF/PERSON = 1,313)

O.L. BASED ON STANDING SPACE..... 1,414 PERSONS
(FLOOR OCC. LOAD: 9,198 SF / 5 SF/PERSON = 1,414)

EXIT WIDTH:
FLOOR EXIT WIDTH: 1,414 PERSONS x .2" = 284"
REQUIRED: 304" PROVIDED: 540"

OCCUPANCY LOAD (O.L.)
O.L. BASED ON FLOOR SPACE..... 199 PERSONS
(FLOOR OCC. LOAD: 3,982 SF / 20 SF/PERSON = 199)

EXIT WIDTH:
FLOOR EXIT WIDTH: 199 PERSONS x .2" = 40"
REQUIRED: 40" PROVIDED: 176"

OCCUPANCY LOAD (O.L.)
O.L. BASED ON FLOOR SPACE..... 209 PERSONS
(FLOOR OCC. LOAD: 3,121 SF / 15 SF/PERSON = 209)

EXIT WIDTH:
FLOOR EXIT WIDTH: 209 PERSONS x .2" = 42"
REQUIRED: 42" PROVIDED: 252"

OCCUPANCY LOAD (O.L.)
OCCUPANCY LOAD TOTAL..... 151 PERSONS
STAGE: 2,264 SF / 15 SF/PERSON = 151

EXIT WIDTH:
151 PERSONS x .2" = 31.4
REQUIRED: 32" PROVIDED: 184"

OCCUPANCY LOAD (O.L.)
OCCUPANCY LOAD TOTAL..... 488 PERSONS
(AUDITORIUM: FIXED SEATS X HALLOWAY SPACES = 488)

EXIT WIDTH:
488 PERSONS x .2" = 102"
REQUIRED: 132" PROVIDED: 352"

CODE SUMMARY

REF: 2020 NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE

OCCUPANCY CLASSIFICATION: E

TYPES OF CONSTRUCTION: EXISTING: II-B

BUILDING HEIGHT & AREA:

	HEIGHT	NO. STORIES	BUILDING AREA
PERMITTED:	55 FEET	2	29,375 S.F.
ACTUAL:	45 FEET	3	109,840 S.F. (EXISTING NON-CONFORMING)

NO. SIDES ACCESSIBLE: 4

SPRINKLER SYSTEM: REQUIRED: NONE PROVIDED: NONE

FINISHES: CLASS A FINISHES TO BE PROVIDED IN ALL CORRIDORS & ASSEMBLY SPACES.

FIRE EXTINGUISHERS: SHALL NOT EXCEED A DISTANCE OF 150 FEET APART.

SIGNAGE: PROVIDE MAXIMUM OCCUPANCY SIGNAGE IN ASSEMBLY SPACES AS SPECIFIED IN SECTION 10 14 00.

EXIT SPACING: TRAVEL DISTANCE TO AN EXIT SHALL NOT EXCEED 150 FEET FROM ANY POINT.

RESCUE WINDOWS: CLEAR OPENING MINIMUM 8 S.F. / 24" H CLR. OPERATING HARDWARE SHALL NOT EXCEED 54" A.F.F.

CORRIDORS: TO BE CONSTRUCTED TO PREVENT THE PASSAGE OF SMOKE, NCLUDING SMOKE DAMPERS IN ANY DUCTWORK. ALL OTHER RATED LOCATIONS SHALL BE FIRE RATED ONLY.

- REPRESENTS 1 HOUR FIRE PARTITION
- REPRESENTS 1 HOUR FIRE BARRIER
- REPRESENTS 2 HOUR FIRE BARRIER
- REPRESENTS 2 HOUR FIRE WALL

INFILL ALL PENETRATIONS AS REQUIRED TO MAINTAN RATINGS SHOWN.

INFILL & FIRESTOP ALL PENETRATIONS IN FLOOR CONSTRUCTION TO 2 HOURS.

NOTE:
BUILDING AREA AS DEFINED BY SECTION 202 & 506 OF THE BUILDING CODE.

BUILDING AREA PLAN

2 / CC102 SCALE: 1" = 160'-0"

CODE COMPLIANCE PLAN - FIRST FLOOR

1 / CC102 SCALE: 3/64" = 1'-0"

TRUE NORTH PLAN NORTH

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.5344
marchassoc.com

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REGISTERED ARCHITECT JOHN DANIEL JACKSON STATE OF NEW YORK 036964
VALID THROUGH 02/28/2026

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	CJF		
CHECKED BY	DDJ		
SCALE	As indicated		
PROJECT NO.	2194		

DRAWING TITLE
CODE COMPLIANCE PLAN - FIRST FLOOR

DRAWING NO.
CC102

CODE SUMMARY

REF: 2020 NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE

OCCUPANCY CLASSIFICATION: E

TYPES OF CONSTRUCTION: EXISTING: II-B

BUILDING HEIGHT & AREA:

	HEIGHT	NO. STORIES	BUILDING AREA
PERMITTED:	55 FEET	2	29,375 S.F.
ACTUAL:	45 FEET	3	109,840 S.F. (EXISTING NON-CONFORMING)

NO. SIDES ACCESSIBLE: 4

SPRINKLER SYSTEM: REQUIRED: NONE PROVIDED: NONE

FINISHES: CLASS A FINISHES TO BE PROVIDED IN ALL CORRIDORS & ASSEMBLY SPACES.

FIRE EXTINGUISHERS: SHALL NOT EXCEED A DISTANCE OF 150 FEET APART.

SIGNAGE: PROVIDE MAXIMUM OCCUPANCY SIGNAGE IN ASSEMBLY SPACES AS SPECIFIED IN SECTION 10 14 00.

EXIT SPACING: TRAVEL DISTANCE TO AN EXIT SHALL NOT EXCEED 150 FEET FROM ANY POINT.

RESCUE WINDOWS: CLEAR OPENING MINIMUM 8 S.F. / 24" H CLR. OPERATING HARDWARE SHALL NOT EXCEED 54" A.F.F. E

CORRIDORS: TO BE CONSTRUCTED TO PREVENT THE PASSAGE OF SMOKE, NCLUDING SMOKE DAMPERS IN ANY DUCTWORK. ALL OTHER RATED LOCATIONS SHALL BE FIRE RATED ONLY.

REPRESENTS 1 HOUR FIRE PARTITION

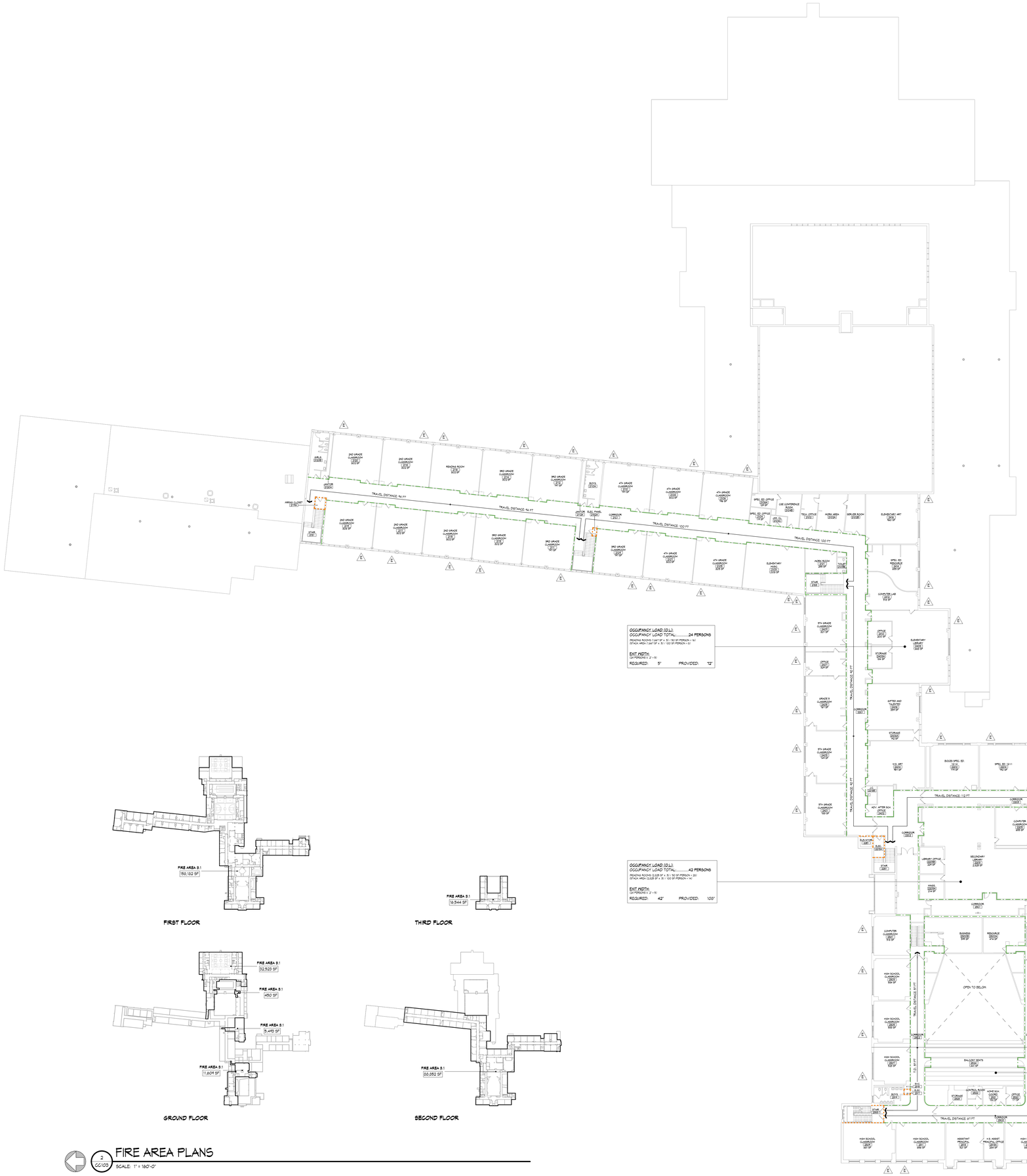
REPRESENTS 1 HOUR FIRE BARRIER

REPRESENTS 2 HOUR FIRE BARRIER

REPRESENTS 2 HOUR FIRE WALL

INFILL ALL PENETRATIONS AS REQUIRED TO MAINTAIN RATINGS SHOWN.

INFILL & FIRESTOP ALL PENETRATIONS IN FLOOR CONSTRUCTION TO 2 HOURS.



FIRST FLOOR

THIRD FLOOR

GROUND FLOOR

SECOND FLOOR

2 / CC103 FIRE AREA PLANS

SCALE: 1" = 160'-0"

1 / CC102 CODE COMPLIANCE PLAN - SECOND FLOOR

SCALE: 3/64" = 1'-0"

TRUE NORTH

PLAN NORTH

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.5344
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REGISTERED ARCHITECT JOHN DANIEL JACKSON 026969 STATE OF NEW YORK

VALID THROUGH 02/28/2026

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	CJF		
CHECKED BY	DDJ		
SCALE	As indicated		
PROJECT NO.	2194		

DRAWING TITLE
CODE COMPLIANCE PLAN - SECOND FLOOR

DRAWING NO.
CC103

CODE SUMMARY

REF: 2020 NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE

OCCUPANCY CLASSIFICATION: E

TYPES OF CONSTRUCTION: EXISTING: II-B

BUILDING HEIGHT & AREA:

	HEIGHT	NO. STORIES	BUILDING AREA
PERMITTED:	55 FEET	2	25,375 S.F.
ACTUAL:	45 FEET	3	108,840 S.F. (EXISTING NON-CONFORMING)

NO. SIDES ACCESSIBLE: 4

SPRINKLER SYSTEM: REQUIRED: NONE PROVIDED: NONE

FINISHES: CLASS A FINISHES TO BE PROVIDED IN ALL CORRIDORS & ASSEMBLY SPACES.

FIRE EXTINGUISHERS: SHALL NOT EXCEED A DISTANCE OF 150 FEET APART.

SIGNAGE: PROVIDE MAXIMUM OCCUPANCY SIGNAGE IN ASSEMBLY SPACES AS SPECIFIED IN SECTION 10 14 00.

EXIT SPACING: TRAVEL DISTANCE TO AN EXIT SHALL NOT EXCEED 150 FEET FROM ANY POINT.

RESCUE WINDOWS: CLEAR OPENING MINIMUM 6 S.F. / 24" H CLR.
OPERATING HARDWARE SHALL NOT EXCEED 54" A.F.F. E

CORRIDORS: TO BE CONSTRUCTED TO PREVENT THE PASSAGE OF SMOKE, INCLUDING SMOKE DAMPERS IN ANY DUCTWORK, ALL OTHER RATED LOCATIONS SHALL BE FIRE RATED ONLY.

REPRESENTS 1 HOUR FIRE PARTITION

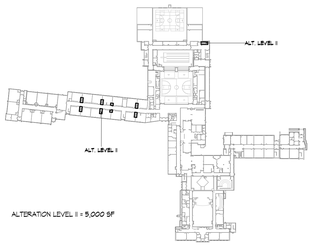
REPRESENTS 1 HOUR FIRE BARRIER

REPRESENTS 2 HOUR FIRE BARRIER

REPRESENTS 2 HOUR FIRE WALL

INFILL ALL PENETRATIONS AS REQUIRED TO MAINTAIN RATINGS SHOWN.

INFILL & FIRESTOP ALL PENETRATIONS IN FLOOR CONSTRUCTION TO 2 HOURS.



ALTERATION LEVEL II = 5,000 SF

NOTE:
ALL SCOPE OF WORK IS ALTERATION LEVEL I, UNLESS NOTED OTHERWISE ON THE PLAN.

2 CC104 ALTERATION LEVEL PLAN
SCALE: 1" = 180'-0"

TRUE NORTH PLAN NORTH

1 CC104 CODE COMPLIANCE PLAN - THIRD FLOOR
SCALE: 3/64" = 1'-0"

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.3344
marchassoc.com

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REGISTERED ARCHITECT
SHAWN DANIEL JAENSEN
036964
STATE OF NEW YORK
VALID THROUGH 02/28/2026

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	CJF
CHECKED BY	DDJ
SCALE	As indicated
PROJECT NO.	2194

DRAWING TITLE
CODE COMPLIANCE PLAN - THIRD FLOOR

DRAWING NO.
CC104

ASBESTOS-CONTAINING MATERIAL REMOVAL SCHEDULE		
LEGEND	MATERIAL DESCRIPTION	APPROXIMATE QUANTITY
	REMOVE AND DISPOSE OF ACM VAPOR BARRIER FROM BENEATH HARDWOOD FLOORING IN ITS ENTIRETY. ABATEMENT TO INCLUDE FLOORING REMOVAL UNDER CONTAINMENT.	9,200 SF
	REMOVE AND DISPOSE OF ACM PIPE FITTING INSULATION IN ITS ENTIRETY FROM PLUMBING CHASE. SELECTIVE DEMOLITION REQUIRED TO ACCESS CHASE TO BE PERFORMED UNDER CONTAINMENT.	12 FITTINGS

GENERAL NOTES - ASBESTOS REMOVAL

A. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETION OF ASBESTOS CONTAINING MATERIAL REMOVAL, CLEANING, AND REPAIR AS DEFINED IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL MAKE ALL EFFORTS TO COOPERATE AND COORDINATE WORK WITH OWNER, OTHER CONTRACTORS, AND THEIR REPRESENTATIVES.

B. CONTRACTOR SHALL HOLD A CURRENT LICENSE IN THE STATE OF NEW YORK FOR ASBESTOS REMOVAL AND SHALL EMPLOY NYSDOL CERTIFIED EMPLOYEES.

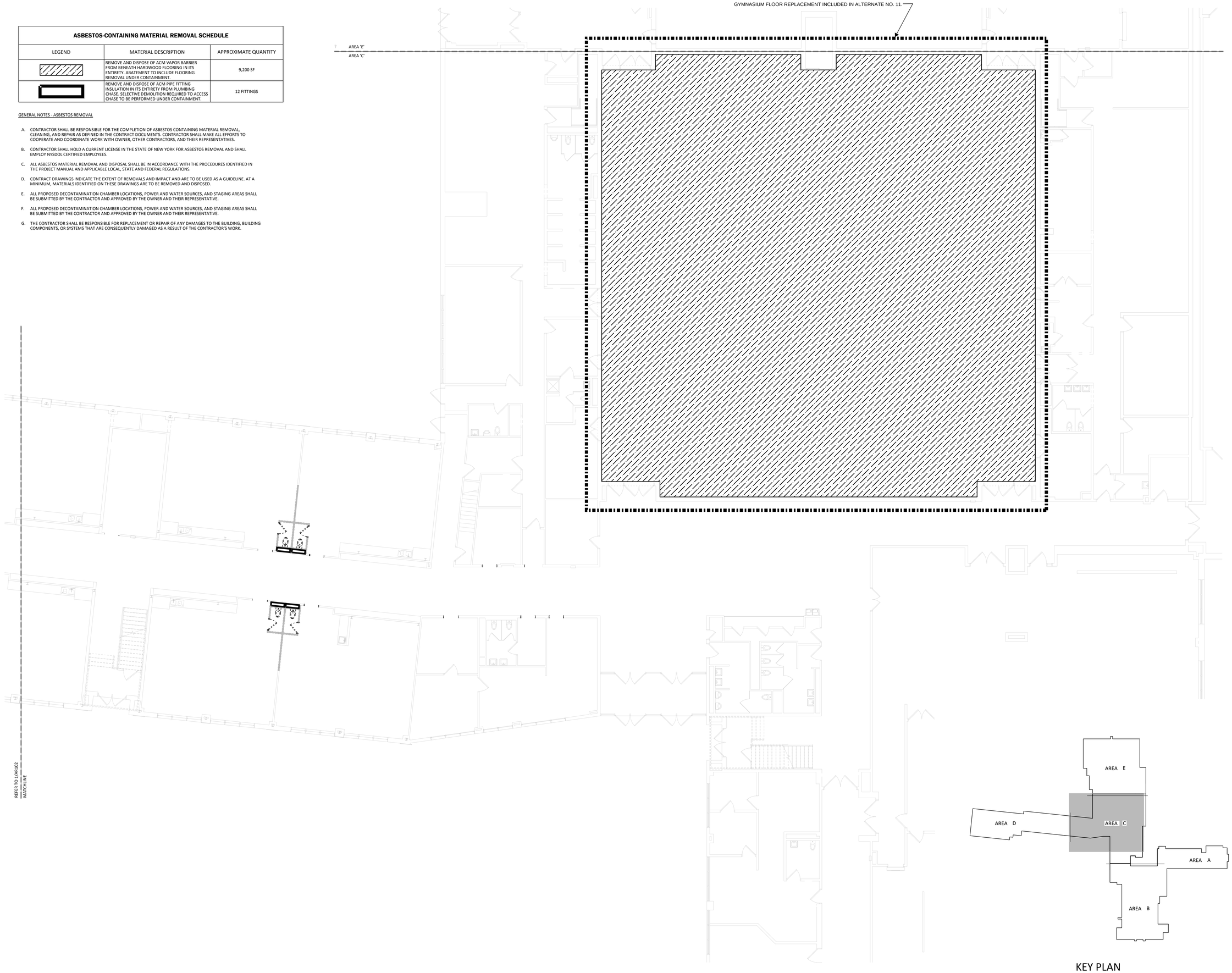
C. ALL ASBESTOS MATERIAL REMOVAL AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE PROCEDURES IDENTIFIED IN THE PROJECT MANUAL AND APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

D. CONTRACT DRAWINGS INDICATE THE EXTENT OF REMOVALS AND IMPACT AND ARE TO BE USED AS A GUIDELINE. AT A MINIMUM, MATERIALS IDENTIFIED ON THESE DRAWINGS ARE TO BE REMOVED AND DISPOSED.

E. ALL PROPOSED DECONTAMINATION CHAMBER LOCATIONS, POWER AND WATER SOURCES, AND STAGING AREAS SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE OWNER AND THEIR REPRESENTATIVE.

F. ALL PROPOSED DECONTAMINATION CHAMBER LOCATIONS, POWER AND WATER SOURCES, AND STAGING AREAS SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE OWNER AND THEIR REPRESENTATIVE.

G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OR REPAIR OF ANY DAMAGES TO THE BUILDING, BUILDING COMPONENTS, OR SYSTEMS THAT ARE CONSEQUENTLY DAMAGED AS A RESULT OF THE CONTRACTOR'S WORK.



KEY PLAN

1/8"=1'-0" 8" 0 8" 16"

1 AR101 ASBESTOS REMOVAL PLAN - FIRST FLOOR, AREA C
1/8" = 1'-0"

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.3344
marchassoc.com

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License Expiration 10/31/2024

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO. 23-06-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	ALD
CHECKED BY	JEP
SCALE	AS INDICATED
PROJECT NO.	2194

DRAWING TITLE
ASBESTOS REMOVAL PLAN - FIRST FLOOR, AREA C

DRAWING NO.
AR101

ASBESTOS-CONTAINING MATERIAL REMOVAL SCHEDULE		
LEGEND	MATERIAL DESCRIPTION	APPROXIMATE QUANTITY
	REMOVE AND DISPOSE OF ACM PIPE FITTING INSULATION IN ITS ENTIRETY FROM PLUMBING CHASE. SELECTIVE DEMOLITION REQUIRED TO ACCESS CHASE TO BE PERFORMED UNDER CONTAINMENT.	30 FITTINGS

GENERAL NOTES - ASBESTOS REMOVAL

A. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETION OF ASBESTOS CONTAINING MATERIAL REMOVAL, CLEANING, AND REPAIR AS DEFINED IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL MAKE ALL EFFORTS TO COOPERATE AND COORDINATE WORK WITH OWNER, OTHER CONTRACTORS, AND THEIR REPRESENTATIVES.

B. CONTRACTOR SHALL HOLD A CURRENT LICENSE IN THE STATE OF NEW YORK FOR ASBESTOS REMOVAL AND SHALL EMPLOY NYSDOL CERTIFIED EMPLOYEES.

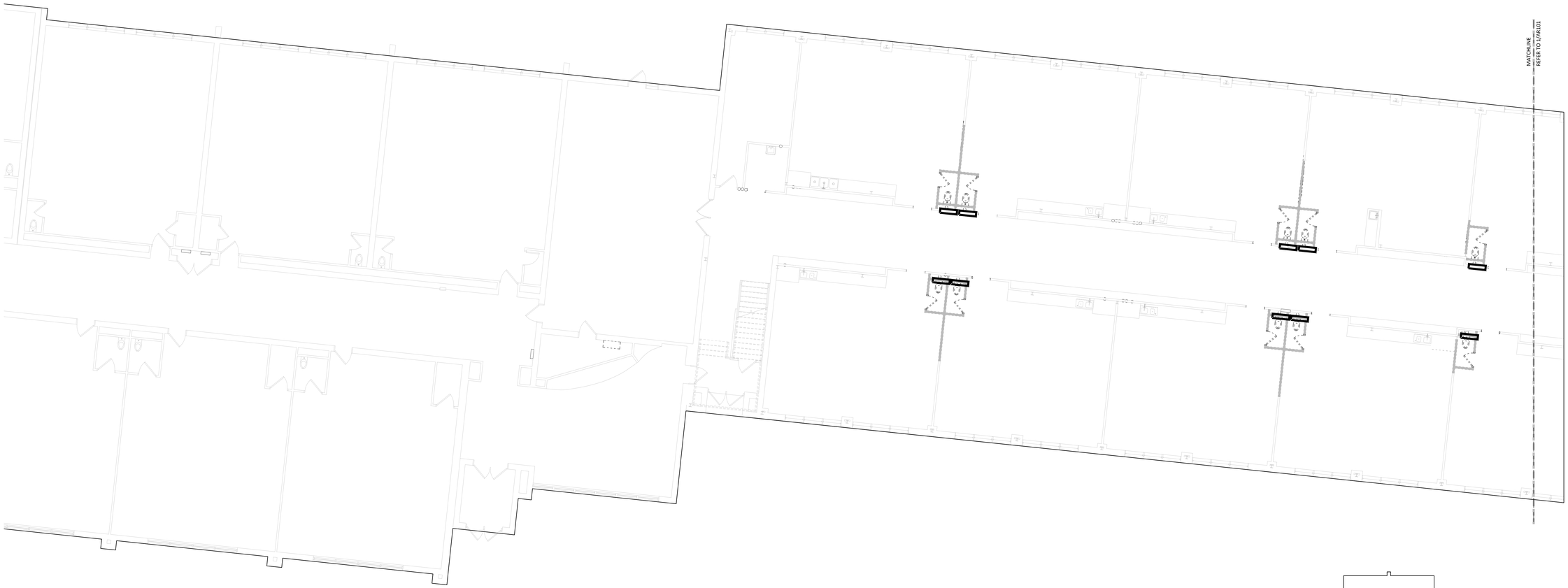
C. ALL ASBESTOS MATERIAL REMOVAL AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE PROCEDURES IDENTIFIED IN THE PROJECT MANUAL AND APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

D. CONTRACT DRAWINGS INDICATE THE EXTENT OF REMOVALS AND IMPACT AND ARE TO BE USED AS A GUIDELINE. AT A MINIMUM, MATERIALS IDENTIFIED ON THESE DRAWINGS ARE TO BE REMOVED AND DISPOSED.

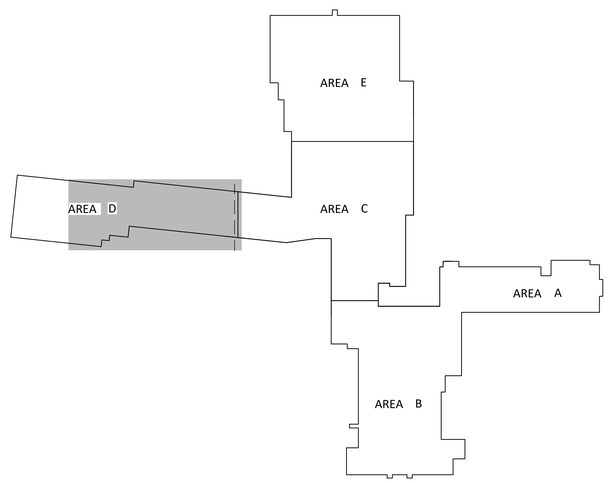
E. ALL PROPOSED DECONTAMINATION CHAMBER LOCATIONS, POWER AND WATER SOURCES, AND STAGING AREAS SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE OWNER AND THEIR REPRESENTATIVE.

F. ALL PROPOSED DECONTAMINATION CHAMBER LOCATIONS, POWER AND WATER SOURCES, AND STAGING AREAS SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE OWNER AND THEIR REPRESENTATIVE.

G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OR REPAIR OF ANY DAMAGES TO THE BUILDING, BUILDING COMPONENTS, OR SYSTEMS THAT ARE CONSEQUENTLY DAMAGED AS A RESULT OF THE CONTRACTOR'S WORK.



1 / AR102 ASBESTOS REMOVAL PLAN - FIRST FLOOR, AREA D
1/8" = 1'-0"



KEY PLAN

1/8"=1'-0" 8" 0 8" 16"

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.3344
marchassoc.com

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STATE OF NEW YORK
JEFFREY E. RUSSELL
087744
LICENSED PROFESSIONAL ENGINEER

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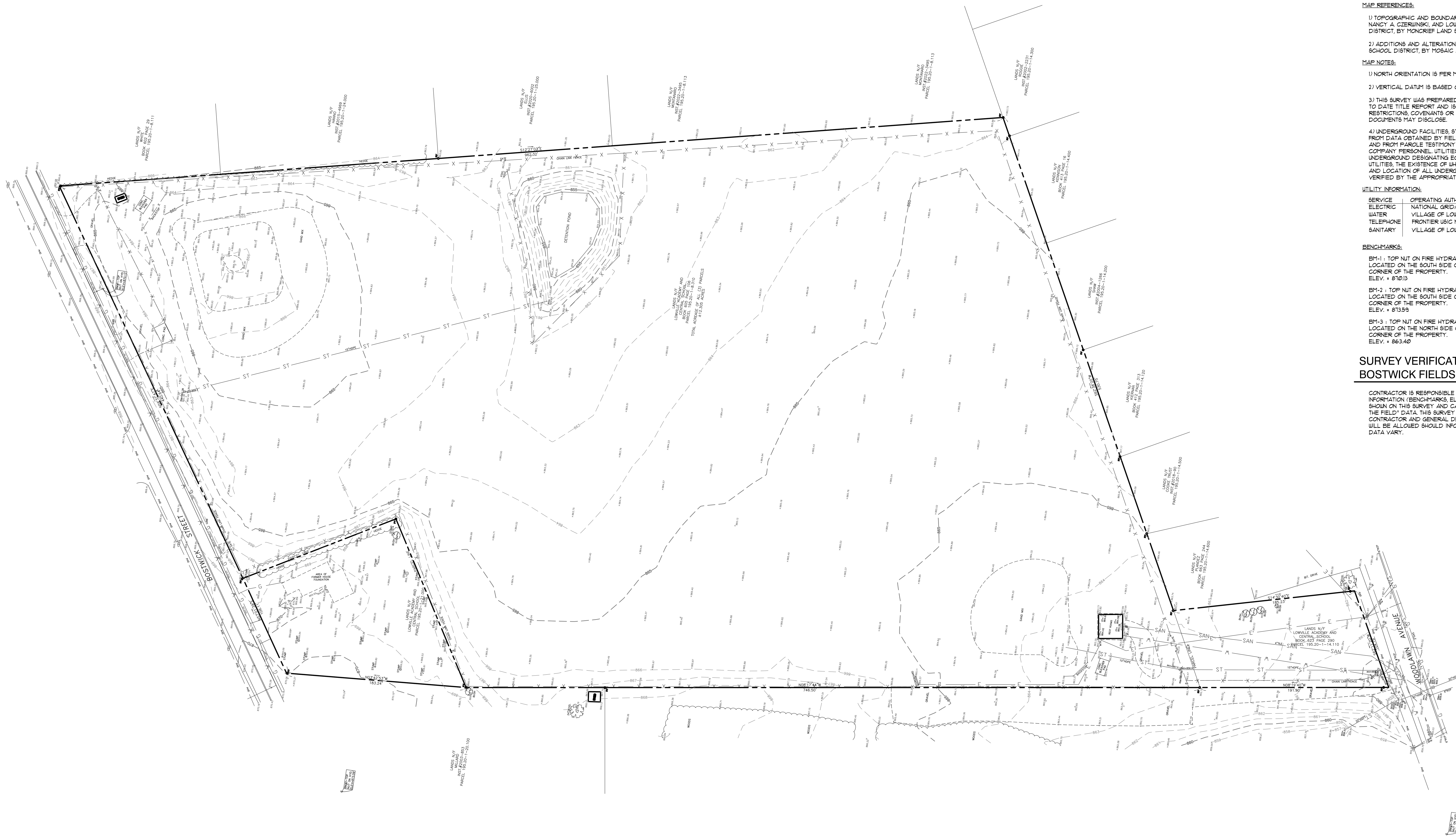
DRAWING TITLE
ASBESTOS REMOVAL PLAN - FIRST FLOOR, AREA D

DRAWING NO.
AR102



SURVEY NOTES - BOSTWICK FIELDS

BOUNDARY AND TOPOGRAPHIC INFORMATION WAS TAKEN FROM THE FOLLOWING:

TITLE "BOUNDARY AND TOPOGRAPHIC SURVEY OF A PORTION OF LOWVILLE ACADEMY PROPERTY, LOWVILLE SCHOOL DISTRICT, VILLAGE OF LOWVILLE, LEWIS COUNTY, STATE OF NEW YORK. PREPARED BY BOLTON LAND SURVEYING P.C., P.O. BOX 265, PULASKI, NY 13142, TEL: (315)298-5210, DATED FEBRUARY 2, 2023.

MAP REFERENCES:

1) TOPOGRAPHIC AND BOUNDARY SURVEY OF THE NOVERT M. HITCHCOCK, NANCY A. CZERWINSKI, AND LOWVILLE ACADEMY AND CENTRAL SCHOOL DISTRICT, BY MONCRIEF LAND SURVEYING, PC AND DATED 12/13/2007.

2) ADDITIONS AND ALTERATIONS ACADEMY SCHOOL, LOWVILLE ACADEMY AND SCHOOL DISTRICT, BY MOSAIC ASSOCIATES AND DATED MARCH 14, 2008.

MAP NOTES:

1) NORTH ORIENTATION IS PER MAP REFERENCE #1.

2) VERTICAL DATUM IS BASED ON MAP REFERENCE #1.

3) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR UP TO DATE TITLE REPORT AND IS THEREFORE SUBJECT TO ANY EASEMENTS, RESTRICTIONS, COVENANTS OR ANY STATEMENT OF FACTS THAT SUCH DOCUMENTS MAY DISCLOSE.

4) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED BY FIELD SURVEY, PREVIOUS MAPS AND RECORDS, AND FROM PAROLE TESTIMONY MADE BY SCHOOL DISTRICT AND UTILITY COMPANY PERSONNEL. UTILITIES WERE ALSO LOCATED USING OUR UNDERGROUND DESIGNATING EQUIPMENT. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION.

UTILITY INFORMATION:

SERVICE	OPERATING AUTHORITY
ELECTRIC	NATIONAL GRID/CENTRAL
WATER	VILLAGE OF LOWVILLE
TELEPHONE	FRONTIER USIC NY
SANITARY	VILLAGE OF LOWVILLE

BENCHMARKS:

BM-1 : TOP NUT ON FIRE HYDRANT
LOCATED ON THE SOUTH SIDE OF BOSTWICK STREET NEAR THE NORTHEAST CORNER OF THE PROPERTY.
ELEV. = 870.13

BM-2 : TOP NUT ON FIRE HYDRANT
LOCATED ON THE SOUTH SIDE OF BOSTWICK STREET NEAR THE NORTHWEST CORNER OF THE PROPERTY.
ELEV. = 873.59

BM-3 : TOP NUT ON FIRE HYDRANT
LOCATED ON THE NORTH SIDE OF WOODLAWN AVE NEAR THE SOUTHWEST CORNER OF THE PROPERTY.
ELEV. = 863.40

SURVEY VERIFICATION/COORDINATION - BOSTWICK FIELDS

CONTRACTOR IS RESPONSIBLE FOR VERIFICATION / COORDINATE OF ALL INFORMATION (BENCHMARKS, ELEVATIONS, UTILITIES, ELEMENTS, TREES, ETC.) SHOWN ON THIS SURVEY AND CALIBRATING THIS INFORMATION WITH ACTUAL "IN THE FIELD" DATA. THIS SURVEY IS PROVIDED FOR THE BENEFIT OF THE CONTRACTOR AND GENERAL DESIGN INTENT IS SHOWN. NO ADDITIONAL COSTS WILL BE ALLOWED SHOULD INFORMATION SHOWN ON THE SURVEY AND FIELD DATA VARY.

SITE SURVEY - BOSTWICK FIELDS

NORTH

0 20 40 80 120
SCALE IN FEET

PARKING SUMMARY - BOSTWICK FIELDS

LOT	EXISTING	PROPOSED	HC
BOSTWICK STREET LOT	0	54 (+54)	3
WOODLAWN AVENUE LOT	68	87 (+19)	5
TOTAL CAR PARKING	68	141 (+73)	8

LEGEND - LOWVILLE ACADEMY and BOSTWICK FIELDS

EXISTING	PROPOSED	DESCRIPTION
	CLL	CONTRACT LIMIT LINE
	MATCHLINE	MATCHLINE
		STREET LINE / PROPERTY EDGE
100	100	CONTOUR
		GRANITE CURB
		PAVEMENT EDGE
		SAWCUT LINE
		CURB REMOVAL
		UTILITY REMOVAL
OHW		OVERHEAD WIRES
W	2" W	WATER LINE
G		GAS LINE
T		BURIED TELEPHONE LINE
FO		BURIED FIBER OPTIC LINE
E		BURIED ELECTRIC LINE
SAN	4" SAN	SANITARY SEWER - SIZE / TYPE
ST	6" ST	STORM SEWER - SIZE / TYPE
	8" SMT	STORMWATER MANAGEMENT TRENCH
	F-DRAIN	FLAT DRAIN
	V-DRAIN	VERTICAL DRAIN
		UTILITY POLE
		UTILITY POLE WITH LIGHT
		GUY WIRE
LP		LIGHT POLE
CIPF		CAPPED IRON ROD FOUND
IRF		IRON ROD FOUND
IPF		IRON PIPE FOUND
YCIRS		YELLOW CAPPED IRON ROD SET

EXISTING	PROPOSED	DESCRIPTION
TBOX		TELEPHONE PULL BOX
TRANS		ELECTRIC TRANSFORMER
EMTR		ELECTRIC METER
EHH		ELECTRIC HANDHOLE
SMON		CONCRETE MONUMENT FOUND
TPED		TELEPHONE PEDESTAL
ERiser		ELECTRIC RISER
BOL	MB	METAL BOLLARD
		TRAFFIC SIGN
HYD		FIRE HYDRANT
WV	WV	WATER VALVE
	TS	TAPPING SLEEVE
	TB	THRUST BLOCK
WMH		WATER MANHOLE
	AD	AREA DRAIN
CBR CB	SI	CATCH BASIN / STORM INLET
DMH	MH/CS	STORM MANHOLE / CONTROL STRUCTURE
SMH	SMH	SANITARY MANHOLE
CO	CO	CLEANOUT
GV		GAS VALVE
CHAIN LINK FENCE	4' CL FENCE	VINYL CLAD CHAIN LINK FENCE
257.25	456.50	SPOT GRADE
	F.V.	FIELD VERIFY
	ALT.	ALTERNATE
	E.O.P.	EDGE OF PAVEMENT
	TYP	TYPICAL
	T/B	TOP/BOTTOM OF CURB

EXISTING	PROPOSED	DESCRIPTION
	TDCB / TD	TRENCH DRAIN CATCH BASIN / TRENCH DRAIN
		EDGE OF WOODS
		TREES / SHRUBS / REMOVALS
		DRAINAGE FLOW DIRECTION
		DETAIL FLAG
		CONSTRUCTION NOTE
		SIGN IDENTIFICATION FLAG
		REMOVE EXISTING PAVEMENT
	LDA	LIGHT DUTY ASPHALT
	MDA	MEDIUM DUTY ASPHALT
	HDA	HEAVY DUTY ASPHALT
		HIGHWAY RIGHT OF WAY ASPHALT
	HDC	HEAVY DUTY CONCRETE WITH SCORING
		STANDARD CONCRETE WITH SCORING
	RTS	RESILIENT TRACK SURFACING (RTS) WITH MDA
		HEAVY DUTY CONCRETE WITH RTS
		LAWN TYPE 1 - 4" TOPSOIL, SEED AND MULCH
		LAWN TYPE 2 - 4" TOPSOIL, SEED AND STRAW MAT
		LAWN TYPE 3 - 4" TOPSOIL, 2" COMPOST AND SOD
		INFIELD MIX
		STONE BLANKET

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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
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102 West Division Street, Suite 100
Syracuse, NY 13204 | (315) 476-1022

REGISTERED LANDSCAPE ARCHITECT
CORY MICHAEL JENNER
002097
STATE OF NEW YORK
EXP. 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT

7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

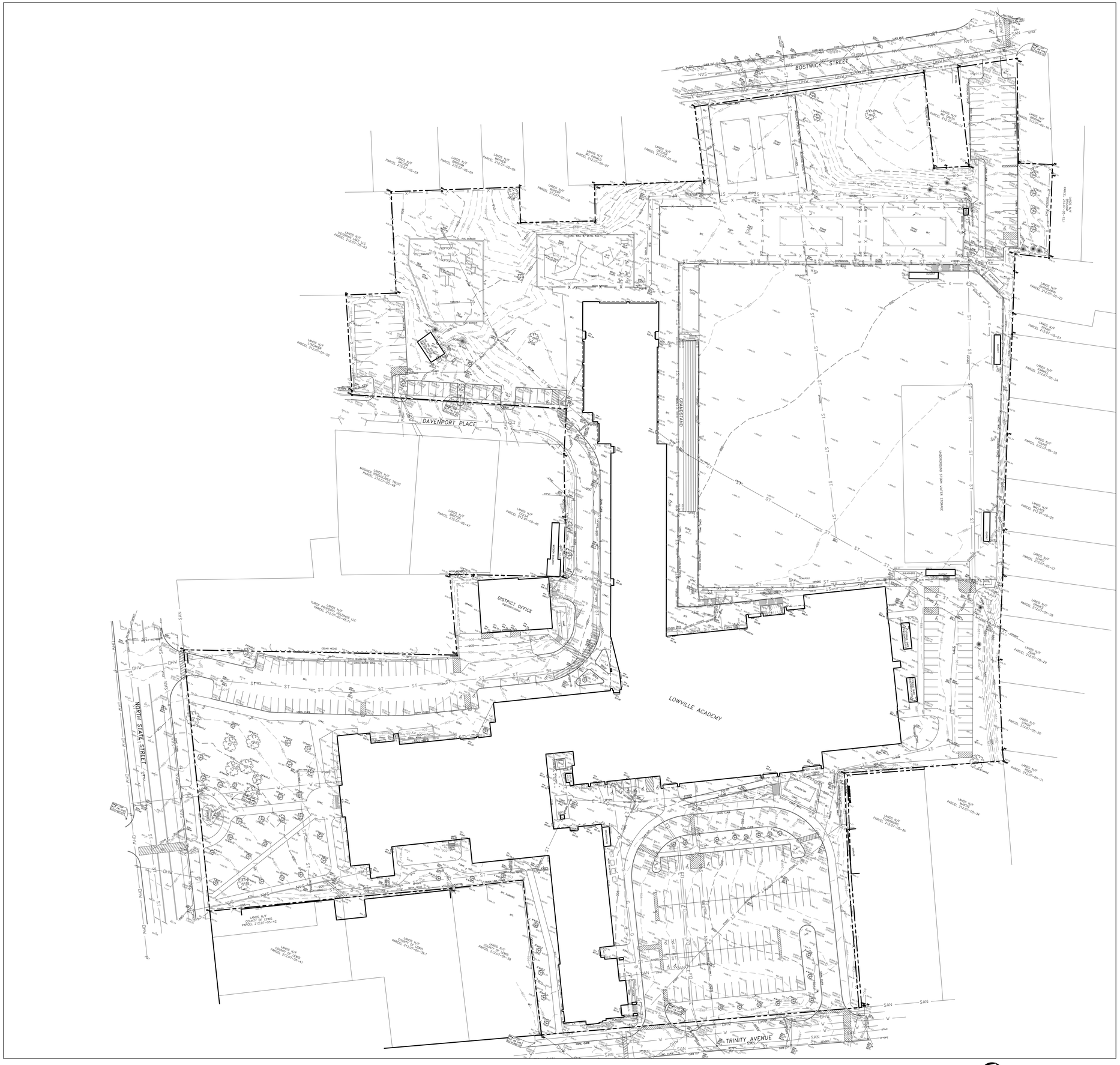
NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	BM
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2194

DRAWING TITLE
SITE SURVEY BOSTWICK FIELDS

DRAWING NO.
C100



SURVEY NOTES - LOWVILLE ACADEMY

BOUNDARY AND TOPOGRAPHIC INFORMATION WAS TAKEN FROM THE FOLLOWING:

TITLE "TOPOGRAPHIC AND BOUNDARY SURVEY OF LOUVILLE ACADEMY, VILLAGE OF LOWVILLE, LEWIS COUNTY, STATE OF NEW YORK, PREPARED FOR APPEL OSBORNE LANDSCAPE ARCHITECTURE BY BOLTON LAND SURVEYING P.C., P.O. BOX 265, PULASKI, NY 13142, TEL: (315)298-5240, DATED JANUARY 6, 2023.

MAP REFERENCES:

1. TOPOGRAPHIC AND BOUNDARY SURVEY OF THE NOUVERT M. HITCHCOCK, NANCY A. CZERKINSKI, AND LOWVILLE ACADEMY AND CENTRAL SCHOOL DISTRICT+ BY MONCRIEF LAND SURVEYING, PC AND DATED 12/13/2007.

2. ADDITIONS AND ALTERATIONS ACADEMY SCHOOL, LOUVILLE ACADEMY AND SCHOOL DISTRICT+ BY MOSAIC ASSOCIATES AND DATED MARCH 14, 2008.

MAP NOTES:

1. NORTH ORIENTATION IS PER N.Y.S. PLANE NAD 83 COORDINATES (CENTRAL ZONE).
2. VERTICAL DATUM IS NAVD 88.
3. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR UP TO DATE TITLE REPORT AND IS THEREFORE SUBJECT TO ANY EASEMENTS, RESTRICTIONS, COVENANTS OR ANY STATEMENT OF FACTS THAT SUCH DOCUMENTS MAY DISCLOSE.
4. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED BY FIELD SURVEY, PREVIOUS MAPS AND RECORDS, AND FROM PARCEL TESTIMONY MADE BY SCHOOL DISTRICT AND UTILITY COMPANY PERSONNEL. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURE MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION.
5. FLOOD DATA FROM COMMUNITY PANEL NUMBER 36037C0008C DATED 6/20/2000. ENTIRE PROPERTY IN ZONE X = AREAS OUTSIDE OF 500 YEAR FLOOD PLAIN.

UTILITY INFORMATION:

SERVICE	OPERATING AUTHORITY
ELECTRIC	NATIONAL GRID/CENTRAL/ELECTRIC
WATER	VILLAGE OF LOWVILLE
TELEPHONE	FRONTIER USIC NY
SANITARY	TOWN/VILLAGE OF LOWVILLE
CABLE	CHARTER COMMUNICATIONS NORTHEAST ONY

BENCHMARKS:

BM-1 : TOP NUT ON HYD. LOCATED AT THE CORNER OF NORTH STATE STREET AND WATERS TERRACE.
ELEV. = 901.57'

BM-2 : TOP NUT ON HYD. LOCATED IN WEST FRONT LAUN OF SCHOOL PROPERTY NEAR SCHOOL SIGN AND FLAGPOLE.
ELEV. = 901.81'

BM-3 : TOP NUT ON HYD. LOCATED ON TRINITY AVE NEAR SOUTH WING OF SCHOOL BUILDING.
ELEV. = 898.78'

BM-4 : TOP NUT ON HYD. LOCATED ON TRINITY AVE ON THE EAST SIDE OF PARKING LOT EXIT DRIVEWAY.
ELEV. = 899.84'

BM-5 : TOP NUT ON HYD. LOCATED IN PARKING ISLAND ON NORTH SIDE OF DAVENPORT PLACE.
ELEV. = 910.31'

BM-6 : TOP NUT ON HYD. LOCATED ON BOSTWICK STREET AT THE NORTHEAST CORNER OF THE SCHOOL PROPERTY.
ELEV. = 915.72'

SURVEY VERIFICATION/COORDINATION - LOWVILLE ACADEMY

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PARKING SUMMARY - LOWVILLE ACADEMY

LOT	EXISTING	PROPOSED	HC
NORTHEAST PARKING LOT	33	33 (NO CHANGE)	2
DAVENTPORT PARKING LOTS	98	98 (NO CHANGE)	4
EAST PARKING LOT	38	38 (NO CHANGE)	3
SOUTH PARKING LOT	114	114 (NO CHANGE)	11
TOTAL CAR PARKING	283	283	20

SITE SURVEY - LOWVILLE ACADEMY

NORTH

0 20 40 80 120
SCALE IN FEET

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.3344
marchassoc.com

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315.422.0700 | 315.471.4151

REGISTERED LANDSCAPE ARCHITECT
JOHN MICHAEL YERMAN
000209
STATE OF NEW YORK
EXP. 09/30/2025

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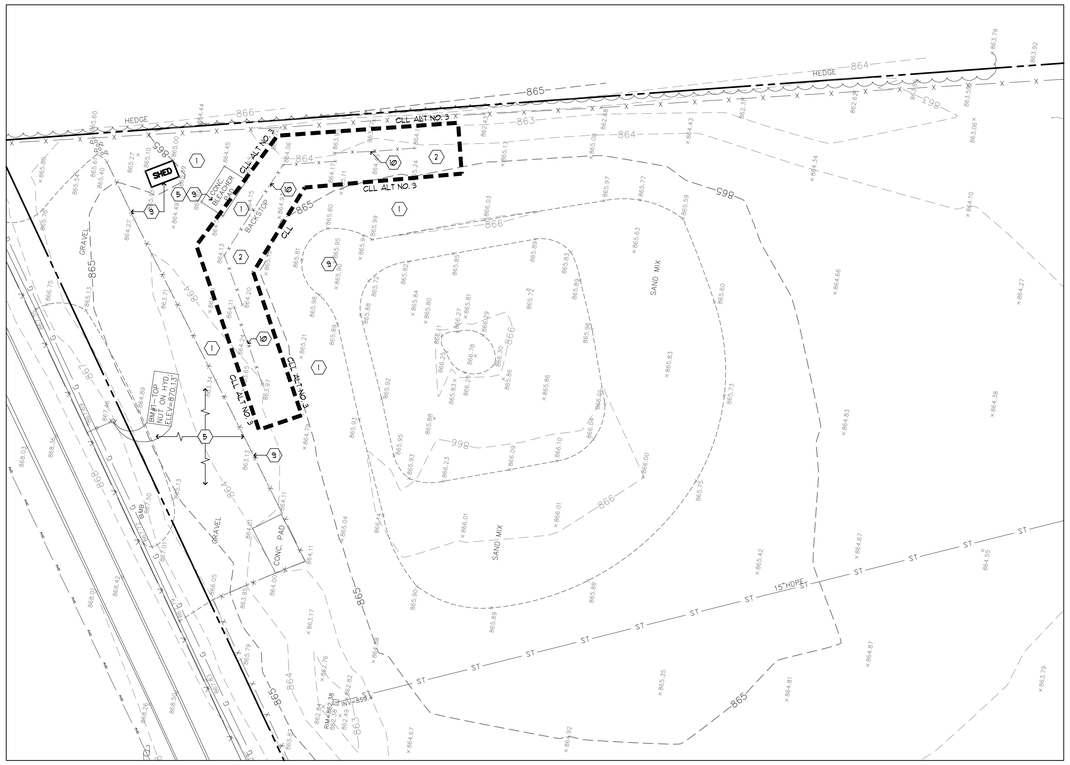
SCALE	AS SHOWN
PROJECT NO.	2154

DRAWING TITLE
SITE SURVEY
LOWVILLE
ACADEMY

DRAWING NO.
C101



SITE PREPARATION PLAN - BOSTWICK BASEBALL FIELD - ALT NO. 3

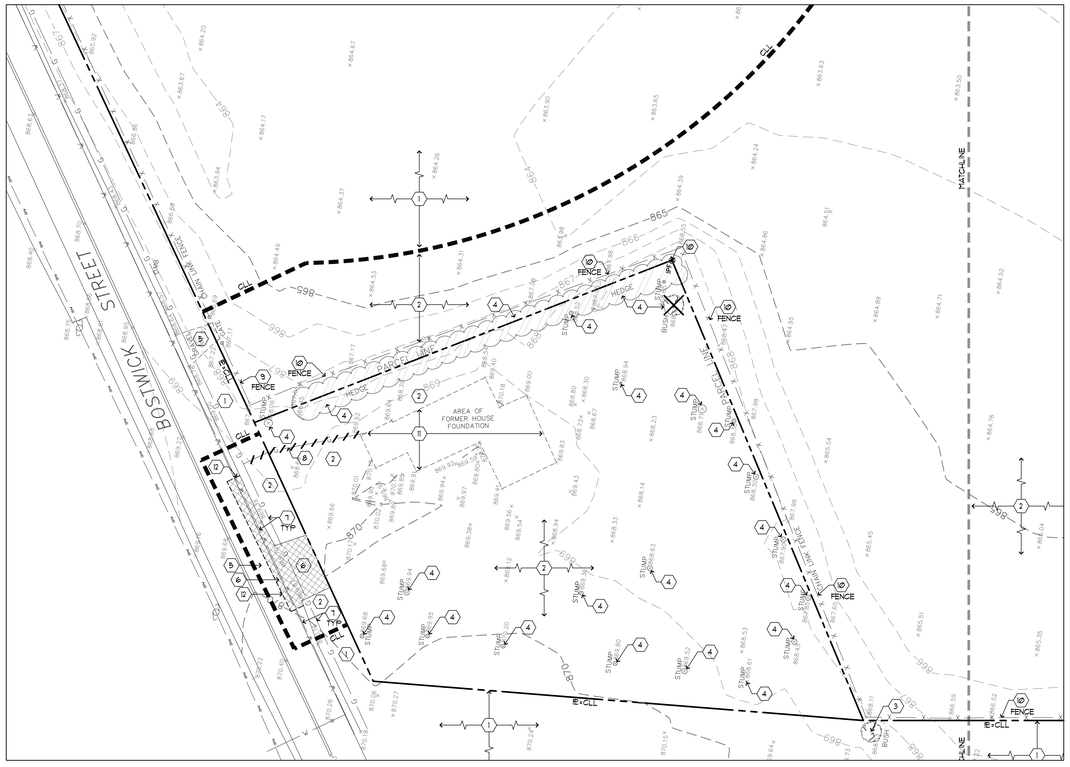
NORTH

0 10 20 40 60

SCALE IN FEET

SITE PREPARATION and CONSTRUCTION NOTES - LOWVILLE ACADEMY and BOSTWICK STREET FIELDS

1. EXISTING LAUN AREA REMAINS. PROTECT.
2. STRIP EXISTING TOPSOIL AND STOCK PILE FOR REUSE ONSITE IN AN AREA AS SHOUN ON PLANS OR AS DIRECTED BY THE OUNER. TEMPORARILY SEED ENTIRE PILE IMMEDIATELY AND SURROUND WITH SILT FENCE.
3. EXISTING VEGETATION REMAINS. PROTECT AT ALL TIMES AS SHOUN ON THE PLANS AND AS SPECIFIED. DO NOT PARK VEHICLES/EQUIPMENT OR STORE MATERIALS WITHIN DRIP LINES OF TREES.
4. REMOVE EXISTING VEGETATION, INCLUDING ALL STUMPS AND ROOTS AND DISPOSE OFF SITE. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO MINIMUM 95% OF IN PLACE DRY DENSITY.
5. EXISTING PAVEMENT REMAINS. PROTECT. REPLACE ANY PAVEMENT DAMAGED DURING CONSTRUCTION
6. REMOVE EXISTING PAVEMENT SURFACE AND HAUL OFF SITE. REMOVE GRANULAR BASE COURSE AND HAUL OFF SITE.
7. EXISTING SITE UTILITY REMAINS. PROTECT.
8. REMOVE EXISTING SITE UTILITY DISPOSE OFF SITE AND BACK FILL VOID WITH IMPORTED GRANULAR BACKFILL, COMPACTED TO MINIMUM 95% OF IN PLACE DRY DENSITY.
9. EXISTING SITE FEATURE REMAINS. PROTECT.
10. REMOVE EXISTING SITE FEATURE AND DISPOSE OFF SITE, INCLUDING ANY ASSOCIATED FOOTINGS OR UNDERDRAINS. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO 95% OF IN PLACE DRY DENSITY.
11. AREA OF FORMER HOUSE THAT WAS DEMOLISHED. REMOVE ANY REMAINING FOUNDATIONS OR SLABS THAT ARE ENCOUNTERED WITHIN 1 FOOT OF PROPOSED FINISHED SUBGRADE. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO 95% OF IN PLACE DRY DENSITY.
12. SAW CUT NEAT, STRAIGHT EDGE, PRIOR TO PAVING, AT SIDEWALKS REMOVE AT NEAREST SCORE JOINT.
13. VERIFY LOCATION, ELEVATION, INVERT AND TYPE OF EXISTING PIPE PRIOR TO CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY IMMEDIATELY.
14. ADJUST UTILITY TO FINISHED GRADE. FURNISH ALL LABOR AND MATERIAL TO ACCOMPLISH.
15. MEET EXISTING LINE AND GRADE.
16. SLIP DOUEL NEU CONCRETE WALK INTO EXISTING CONCRETE WALK OR BUILDING FOUNDATION WALL WITH No. 4 SLIP DOUEL, 18" LONG, 12" O.C., 2" CLEAR MINIMUM FROM SURFACE. INSERT DOUELS EQUAL LENGTH INTO EXISTING AND NEU CONCRETE. PROVIDE EXPANSION JOINT AND SEALANT.
17. ALIGN NEU EDGE WITH EXISTING.
18. CAP END SILT TIGHT.
19. PROVIDE HOT TAR ASPHALT CRACK SEALER BETUEEN EXISTING AND NEU ASPHALT JOINT.
20. REMOVE EXISTING TRAFFIC SIGN AS NEEDED TO COMPLETE PROPOSED GRADING WORK. PROTECT. REINSTALL TRAFFIC SIGN IN SAME LOCATION AT COMPLETION OF GRADING WORK PER TRAFFIC SIGN DETAIL.
21. PROVIDE FERNCO COUPLER OR SIMILAR SILT TIGHT JOINT BETUEEN EXISTING PIPE AND NEU STORM PIPE. ALLOU INSPECTION BY ARCHITECT PRIOR TO BACKFILLING. NOTIFY ARCHITECT UHEN READY TO BACKFILL UHEN CONNECTING DISSIMILAR PIPES, PROVIDE MARMAC DISSIMILAR PIPE COUPLER.
22. CORE INTO EXISTING STRUCTURE TO ALLOU INSTALLATION OF PROPOSED PIPE. MORTAR VOID BETUEEN OUTSIDE OF PIPE UALL TO STRUCTURE EDGE UATER TIGHT. CLEAN EXISTING STRUCTURE OF ANY DEBRIS PRIOR TO INSTALLATION OF NEU PIPE.
23. FURNISH AND INSTALL ALL FENCING, POSTS, HARDUARE, AND CONCRETE FOOTINGS NECESSARY TO MAKE TRANSITION FROM PROPOSED FENCE TO EXISTING FENCE. MATCH HEIGHT OF EXISTING FENCE UNLESS OTHERUISE SHOUN ON THE PLANS.
24. INSTALL PIPE TO UITHIN FIVE FEET OF BUILDING. CAP ENDS. PLUMBING CONTRACTOR TO MAKE FINAL CONNECTION OF BUILDING SYSTEM TO SITE UTILITY SYSTEM. COORDINATE ALL UORK AND INVERTS UITH PLUMBING CONTRACTOR PRIOR TO STARTING UORK.
25. ALL NEU ELECTRICAL UORK BY OTHERS. SEE MEP DRAUINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BACKFILLING, COMPACTION, AND SURFACE RESTORATIONS FROM ELECTRICAL UORK, AS PER DRAUINGS AND SPECIFICATIONS. REFER TO ELECTRICAL DRAUINGS FOR ALTERNATES RELATED TO THE AMOUNT OF STADIUM FIELD LIGHTS AT THE BOSTUICK TRACK AND FIELD.
26. VERIFY FINAL GATE LOCATIONS UITH OUNER PRIOR TO INSTALLATION.
27. REMOVE AND STOCKPILE EXISTING FENCE FABRIC, RAILS AND POSTS TO ALLOU INSTALLATION OF SYNTHETIC TURF AND/OR ACCESS TO PROPOSED UORK. PROTECT. CAREFULLY REMOVE AND DISPOSE OF EXISTING FOOTINGS. REINSTALL FENCE FABRIC, RAILS AND POSTS UHEN UORK IS COMPLETE. PROVIDE ALL HARDUARE NECESSARY TO ACCOMPLISH. PROVIDE ADDITIONAL MATERIAL INCLUDING POSTS, CONCRETE FOOTINGS, RAIL, MID-RAILS, AND FABRIC AS NECESSARY TO RE-ESTABLISH FENCE LINE. MODIFY FABRIC HEIGHT TO ACCOMMODATE NEU FINISH GRADE ELEVATIONS IF NECESSARY. PROVIDE ALL GATE ADJUSTMENTS.
28. EXISTING CHAIN LINK FENCE FABRIC, POSTS, RAILS AND GATES TO REMAIN, PROTECT. FURNISH AND INSTALL NEU VINYL COATED BOTTOM RAILS. TRUE AND LEVEL ALL EXISTING CHAIN LINK SWING GATES AND ENSURE PROPER UORKING ORDER. REPLACE ANY HARDUARE AS NEEDED. PROVIDE ALL MATERIAL AND LABOR TO ACCOMPLISH.
29. REMOVE EXISTING WALL AND FENCE PADDING AND FASTENING HARDUARE AND DISPOSE OFF SITE. PROVIDE NEU WALL AND FENCE PADDING AND FASTENING HARDUARE AS DETAILED AND SPECIFIED. PARGE WALL TO FILL ANY VOIDS REMAINING AFTER FASTENING HARDUARE REMOVAL.
30. CAREFULLY AND SYSTEMATICALLY REMOVE ALL SBR RUBBER/SAND INFILL MATERIAL, SYNTHETIC TURF CARPET AND DISPOSE OFF SITE. REMOVALS SHALL BE BACK TO THE STONE BLANKET FINISHING STONE SURFACE. ANY DAMAGE AS A RESULT OF THE TURF REMOVAL OPERATION SHALL BE REPAIRED UITHOUT DELAY AND AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OUNER. REMOVE, PROTECT AND TURN OVER 25000 SQUARE FEET OF THE EXISTING TURF AND INFILL SYSTEM TO THE OUNER. COORDINATE UITH THE OUNER OR OUNER'S REPRESENTATIVE FOR DELIVERY OF THE EXISTING TURF AND INFILL TO A LOCATION UITHIN THE VILLAGE OF LOUVILLE.
31. FINE GRADE, TRUE AND LEVEL EXISTING FINISHING STONE. PROVIDE ADDITIONAL NEU DRAINAGE, BASE AND FINISHING STONE AS SPECIFIED TO MAKE UP ELEVATION OF REMOVALS, ESTABLISH PROPOSED GRADES, AND TO PROVIDE A CONSISTENT SMOOTH STONE BLANKET SURFACE FOR NEU SYNTHETIC TURF SYSTEM. ONCE COMPLETE, NOTIFY ARCHITECT FOR FINAL APPROVAL. COORDINATE UITH OUNERS TESTING AGENCY FOR DRAINAGE TESTS ON STONE BLANKET. PROVIDE TURF VENDER ACCEPTANCE AND STRING GRADING PLANARITY OF STONE BLANKET SURFACE PRIOR TO TURF INSTALLATION AS SPECIFIED.
32. REMOVE EXISTING SANITARY LINE AND MANHOLE AND PROPERLY DISPOSE OFF SITE. PIPE IS REPUTED TO BE TRANSITE MATERIAL. BACKFILL VOID UITH IMPORTED GRANULAR BACKFILL COMPACTED TO MINIMUM 95% OF IN PLACE DRY DENSITY.
33. CAMERA SCOPE AND JET UASH EXISTING SANITARY PIPE AND STRUCTURES FOR FREE FLOUING CONDITION AND DETERMINE LOCATION, SIZE AND INVERTS OF LATERAL LOCATION BETUEEN THE STREET SEUER MAIN AND THE EXISTING MANHOLE NEAR THE BUILDING. NOTIFY ARCHITECT IMMEDIATELY IF LOCATION AND SIZE DIFFERS FROM UHAT IS SHOUN ON SITE SURVEY.
34. PROVIDE DRAIN SCREENS AT EXISTING CONCRETE RETAINING UALL DRAINAGE UEEP HOLES AROUND PERIMETER OF TURF FIELD. ATTACH SCREENS SECURELY TO CONCRETE UALL PER MANUFACTURER'S RECOMMENDATIONS. REMOVE ANY PILES OF SAND/AGGREGATE AT RETAINING UALL DRAINAGE UEEP HOLES.
35. COORDINATE UITH ELECTRICAL CONTRACTOR FOR ELECTRICAL DISCONNECT. CAREFULLY REMOVE EXISTING SCOREBOARD AND STRUCTURAL SUPPORTS. STOCKPILE AND PROTECT. REINSTALL EXISTING SCOREBOARD AND STRUCTURAL SUPPORTS IN FOOTING DEPTHS/DIAMETER TO MATCH EXISTING CONDITIONS AT NEU SOFTBALL FIELD LOCATION. FIELD VERIFY FINAL LOCATION UITH OUNER AND ARCHITECT PRIOR TO REINSTALLATION. COORDINATE UITH ELECTRICAL CONTRACTOR FOR ELECTRICAL CONNECTION.
36. POUER UASH, SWEEP, AND CLEAN EXISTING ASPHALT OF ALL LOOSE MATERIAL, VEGETATION, OILS/GAS STAINS AND SPILLS. PROVIDE ASPHALT CRACK SEALER ON ALL PAVEMENT CRACKS, SEAL ALL PAVEMENT AS SPECIFIED. VERIFY NEU STRIPING UITH OUNER PRIOR TO PAINTING / RESTRIPING.
37. FIELD VERIFY DIMENSIONS OF EXISTING TAN TURF AND SILVER LINES AT BATTING CAGE/BULL PEN. PROVIDE SAME MARKINGS AND AREAS OF DIFFERENT TURF COLOR IN NEU TURF LAYOUT. REPLACE PITCHING RUBBERS AND HOME PLATES INCLUDING BASE ANCHORS.
38. INSTALL 1'-0"± GRANULAR SUBBASE MATERIAL TO TRANSITION FROM EXISTING TO PROPOSED GRADES.

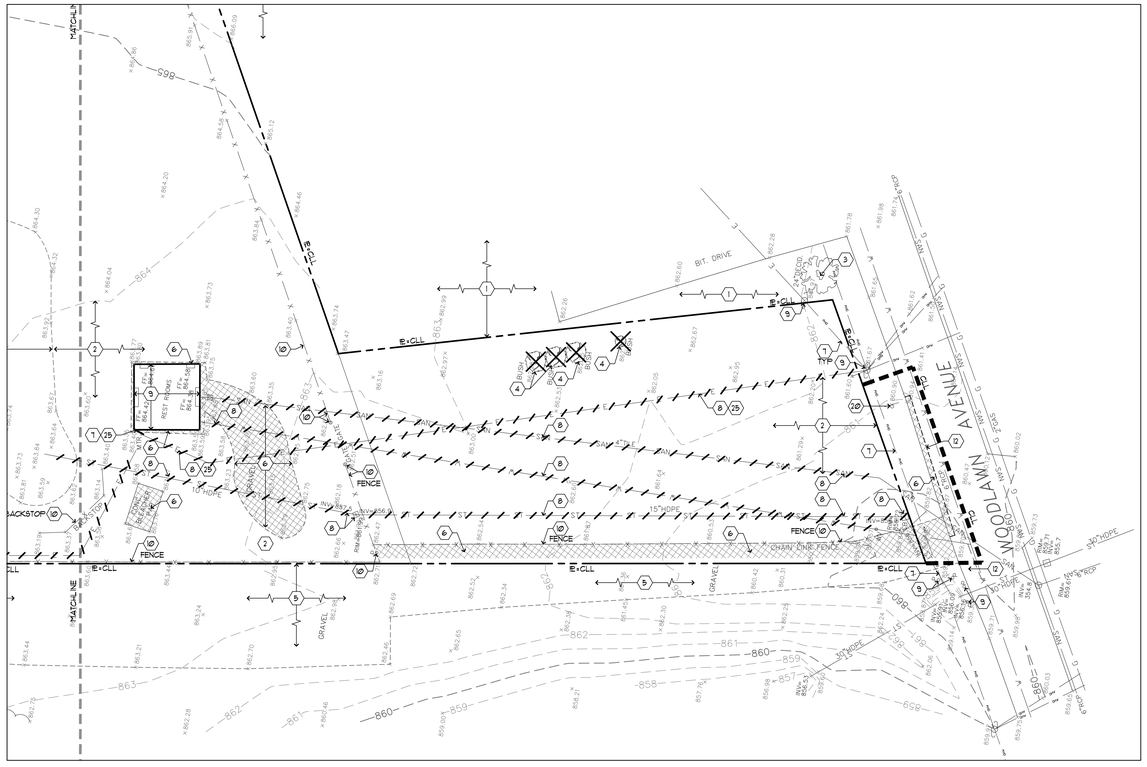


SITE PREPARATION PLAN - BOSTWICK STREET PARKING LOT

NORTH

0 10 20 40 60

SCALE IN FEET



SITE PREPARATION PLAN - WOODLAWN AVENUE PARKING LOT

NORTH

0 10 20 40 60

SCALE IN FEET

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.2344
marchassoc.com

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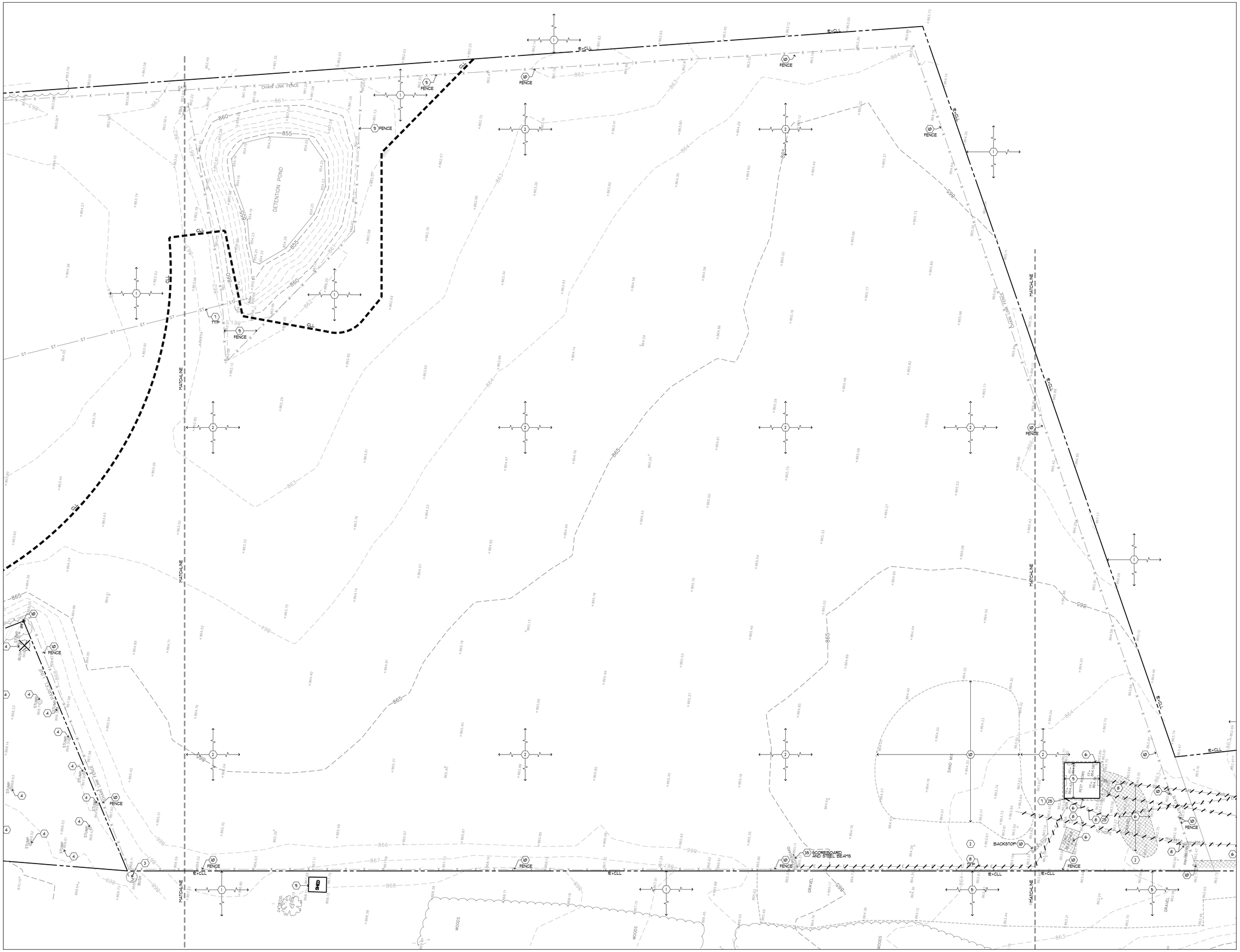
MICHAEL JEROME APPEL
002097
STATE OF NEW YORK
EXP. 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	BM		
CHECKED BY	CJ		
SCALE	AS SHOUN		
PROJECT NO.	2154		

DRAWING TITLE
SITE PREPARATION PLAN BOSTWICK FIELD PARKING LOTS

DRAWING NO.
C102



SITE PREPARATION PLAN - BOSTWICK TRACK AND FIELD

NORTH

0 10 20 40 60
SCALE IN FEET

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ARCHITECTS & PLANNERS, PC
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Utica, NY 13502
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CORY MICHAEL JENNER
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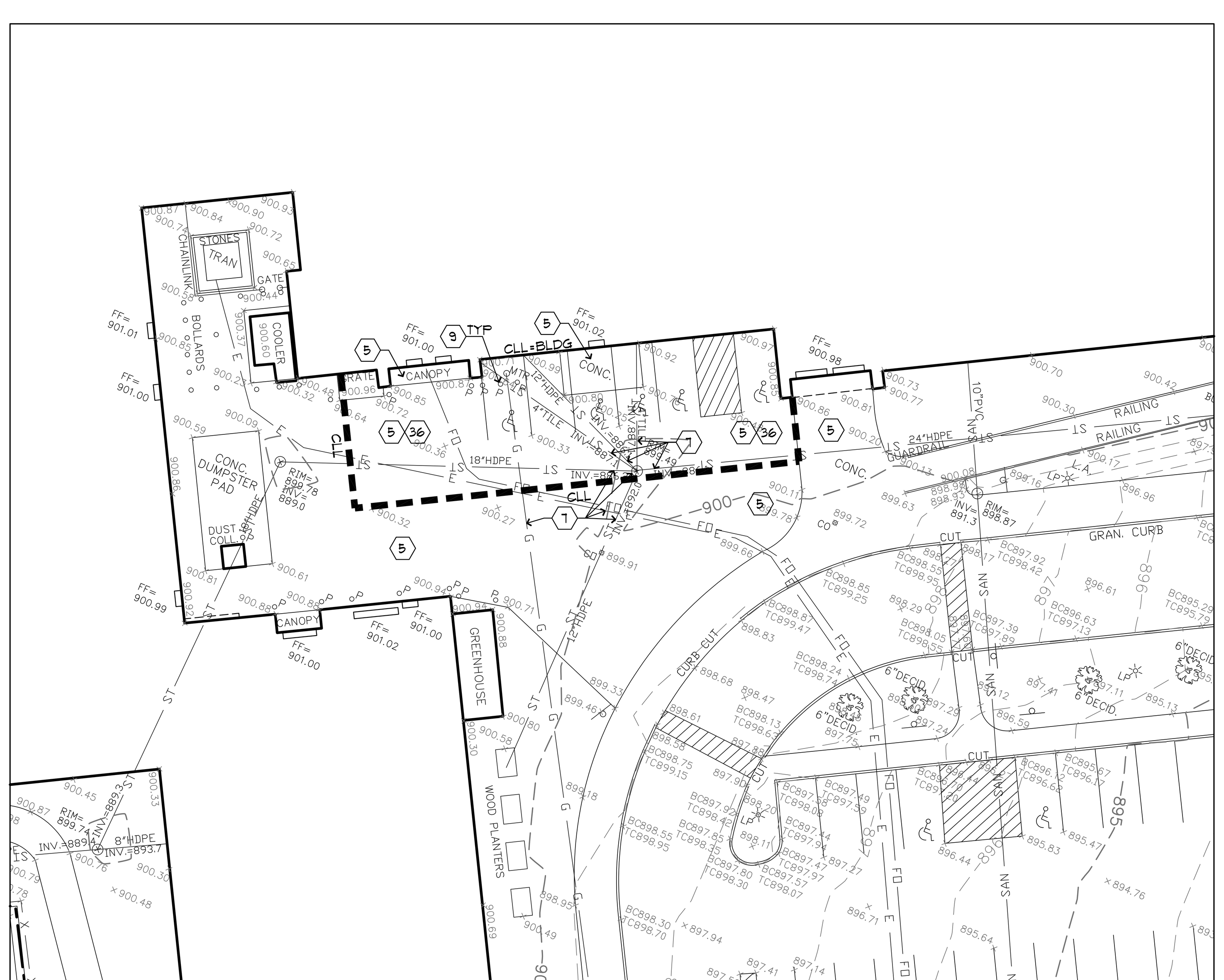
NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	BM
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2184

DRAWING TITLE
SITE PREPARATION PLAN BOSTWICK FIELD TRACK AREA

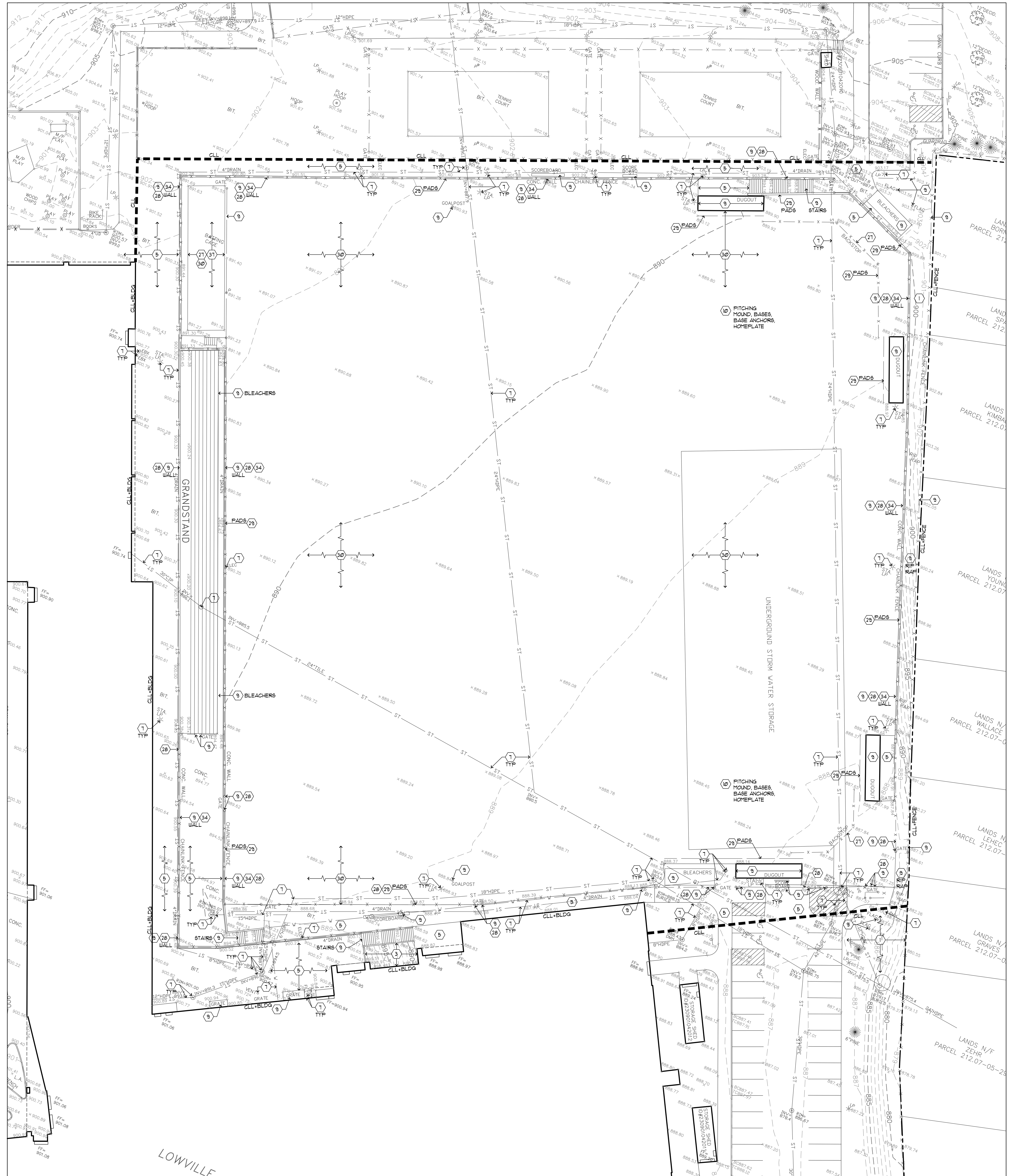
DRAWING NO.
C103



SITE PREPARATION PLAN - BOLLARDS AT CAFETERIA

NORTH

0 10 20
SCALE IN FEET



SITE PREPARATION PLAN - LOWVILLE ACADEMY FIELD

NORTH

0 10 20 40 60
SCALE IN FEET

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Utica, NY 13502
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appel osborne
landscape architecture
102 West Division Street, Suite 100
Syracuse, NY 13204 | (315) 476-1022

REGISTERED LANDSCAPE ARCHITECT
CORY MICHAEL JENNER
002097
STATE OF NEW YORK
EXP. 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
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7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

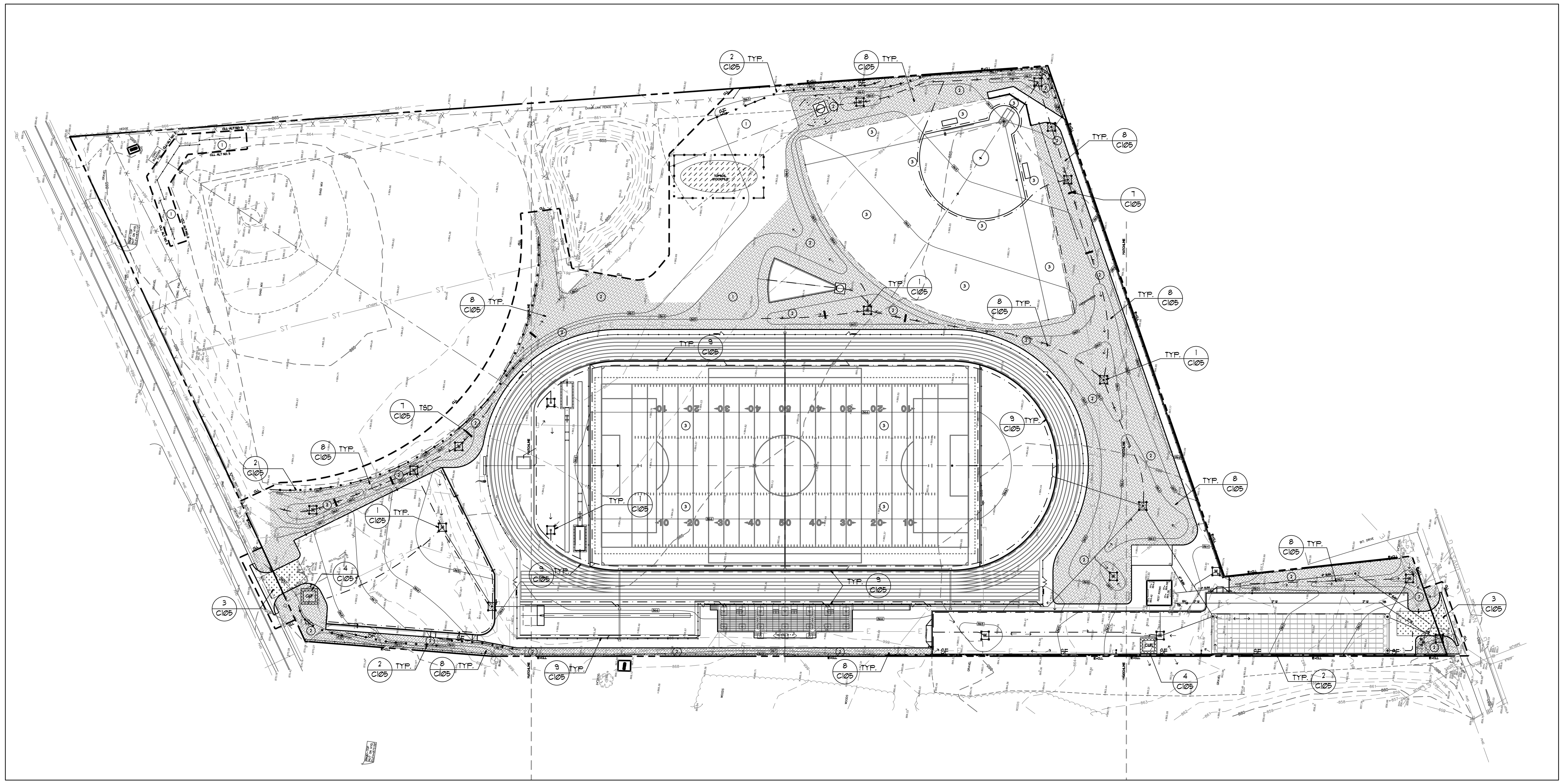
NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	BM
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2194

DRAWING TITLE
SITE PREPARATION PLAN LOWVILLE ACADEMY

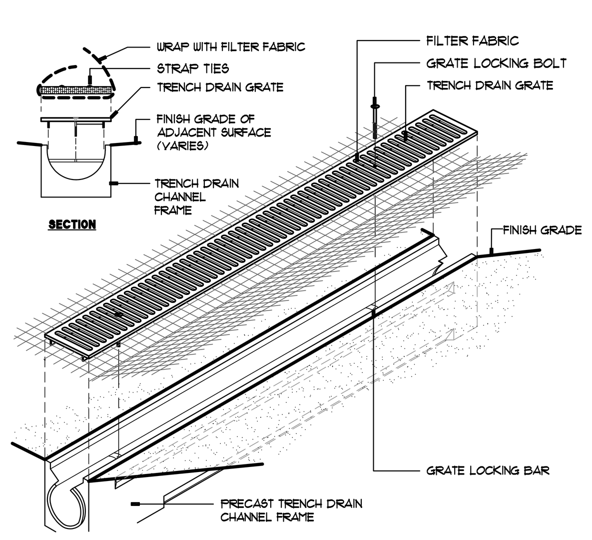
DRAWING NO.
C104



STORMWATER POLLUTION PREVENTION PLAN (SWPPP) - BOSTWICK FIELDS

NORTH

0 25 50 100 150
SCALE IN FEET



9 / C105 **TRENCH DRAIN STORM PROTECTION**
AXONOMETRIC • NOT TO SCALE 3125-002
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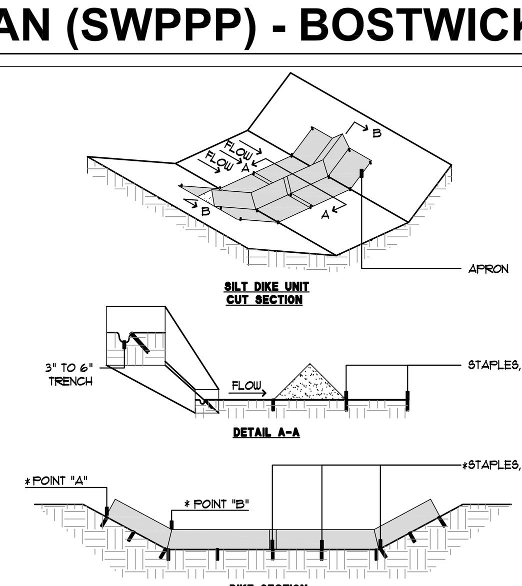

* STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE 'I' UNIT AS SHOWN ON THE DIAGRAMS

* POINT "A" MUST BE HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS

7 / C105 **TRIANGULAR SILT DIKE - TSD**
SECTION • NOT TO SCALE 3125-005
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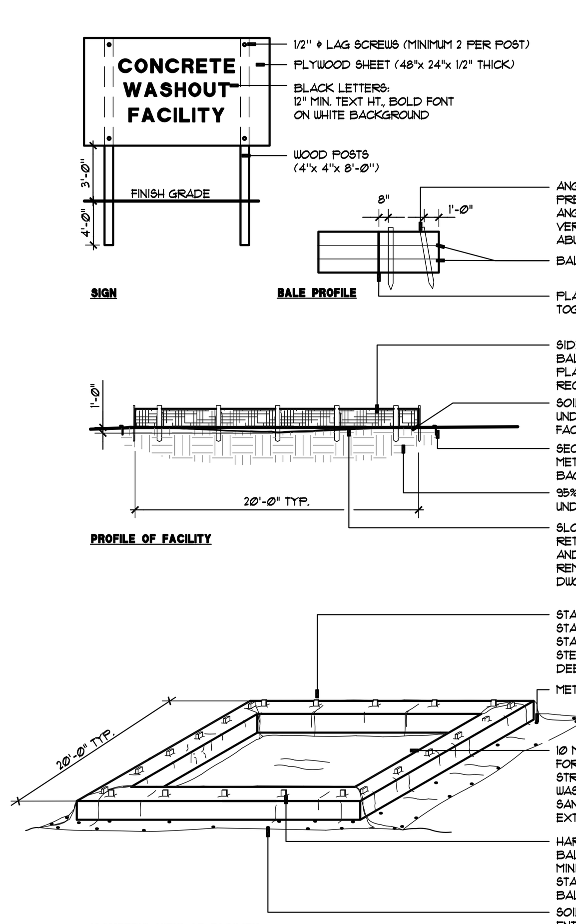

4 / C105 **TEMPORARY CONCRETE WASHOUT FACILITY - CWF**
SECTION • NOT TO SCALE 3125-016
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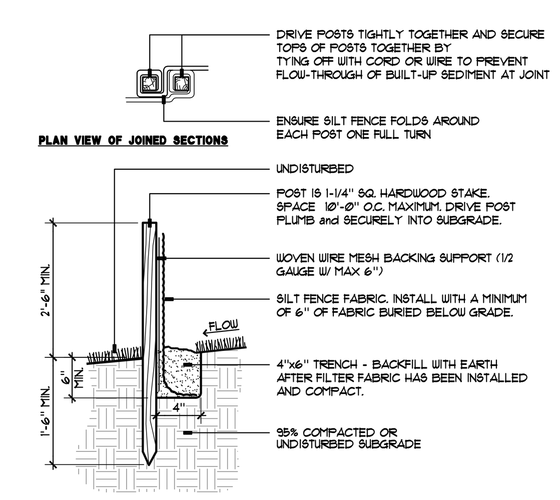

2 / C105 **SILT FENCE = SF**
SECTION • NOT TO SCALE 3125-004
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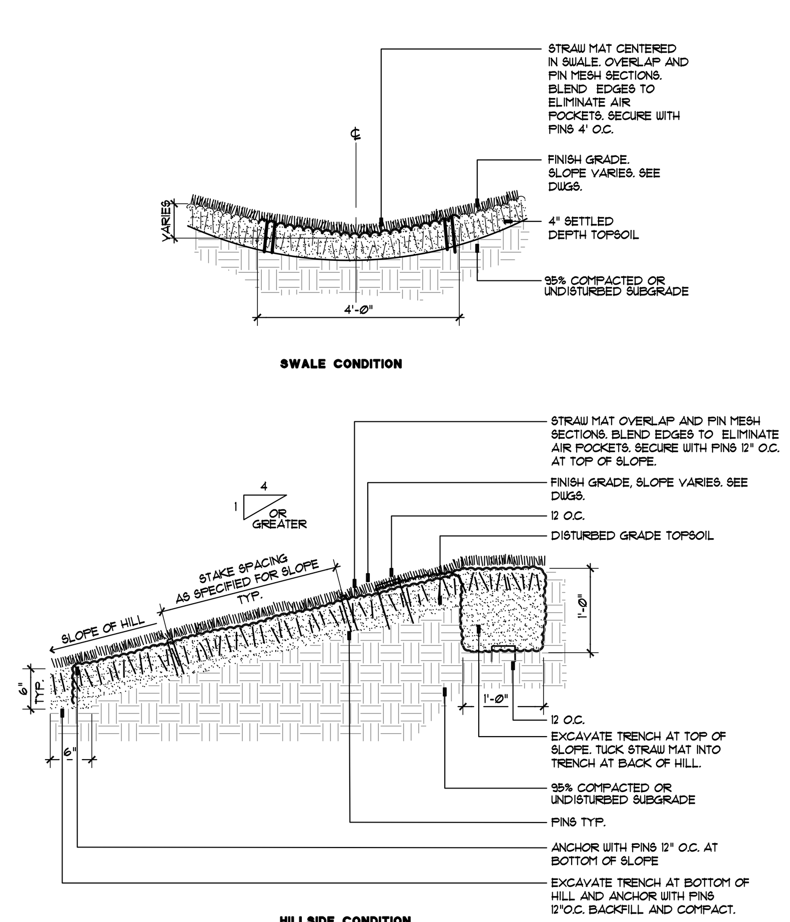

8 / C105 **STRAW MAT HILLSIDE / SWALE**
SECTION • NOT TO SCALE 3125-006
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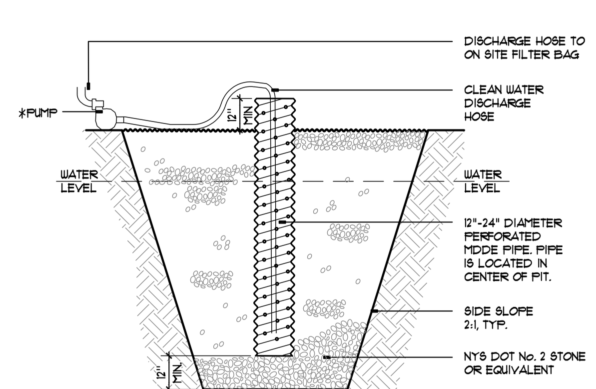

*OUTLET DISCHARGE PUMP WATER TO AREA AS DIRECTED BY THE ARCHITECT

NOTE: USE AS NEEDED FOR DE-WATERING PURPOSES.

6 / C105 **SUMP PIT = SP**
SECTION • NOT TO SCALE 3125-021
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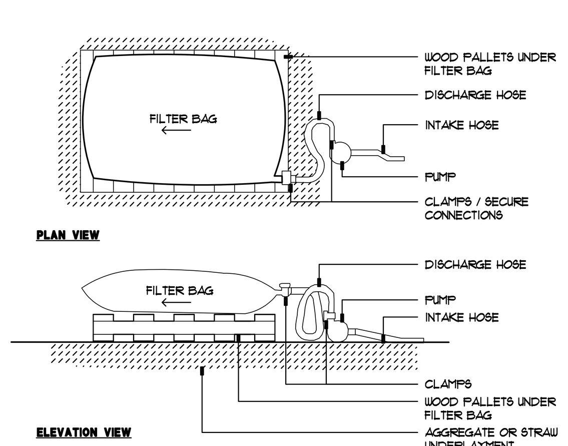
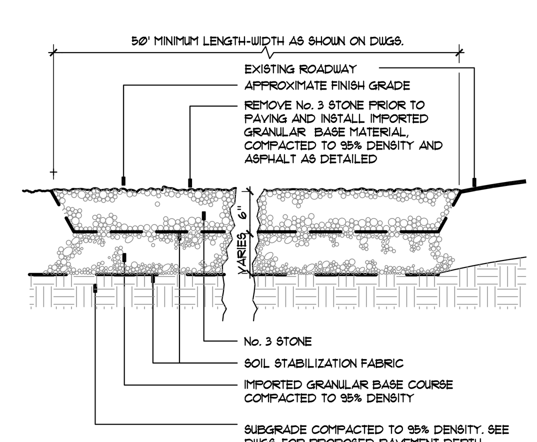


NOTE: INSTALL AS NEEDED AND WHERE NEEDED FOR DEWATERING PURPOSES.

5 / C105 **TEMP. SEDIMENT FILTER BAG FOR PUMPED WATER**
SECTION • NOT TO SCALE 3125-018
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



3 / C105 **OFFSITE SEDIMENT TRACKING CONTROL**
SECTION • NOT TO SCALE 3125-013
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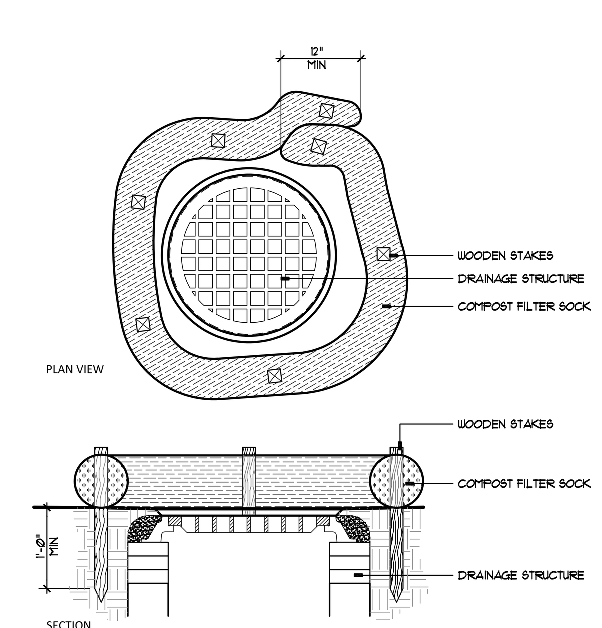

NOTES:
1. WHEN PLACED IN PAVED AREAS, USE CONCRETE BLOCKS OR SANDBAGS TO ANCHOR THE FILTER SOCK IN LIEU OF STAKES.

1 / C105 **STORM STRUCTURE PROTECTION**
SECTION • NOT TO SCALE 3125-001
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STORMWATER POLLUTION PREVENTION PLAN NOTES - BOSTWICK FIELDS

OBJECTIVE

PREVENTION OF EROSION AND POLLUTION FROM STORMWATER RUNOFF FOR THE DURATION OF THIS PROJECT IS THE RESPONSIBILITY OF THE SITE CONTRACTOR. ALL STORMWATER POLLUTION PREVENTION CONTROL WORK INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE INCLUDED IN THE SITE CONTRACTOR BASE BID. DAMAGES RESULTING FROM, BUT NOT LIMITED TO NEGLIGENCE, IMPROPER MAINTENANCE OR GENERAL DISREGARD FOR EROSION CONTROL MEASURES SHALL BE IMMEDIATELY CORRECTED BY THE SITE CONTRACTOR TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT, ENGINEER OR CERTIFIED EROSION CONTROL SPECIALIST HIRED BY THE OWNER FOR THE SWPPP INSPECTIONS AS REQUIRED BY THE NYSDEC. DAMAGES RESULTING FROM OTHER CONTRACTORS SHALL BE REPAIRED BY THE SITE CONTRACTOR ON A TIME AND MATERIAL BASIS AND BACK CHARGED TO THE RESPONSIBLE PARTY. ANY FINES LEVIED ON THE OWNER BY GOVERNING AUTHORITIES FOR SWPPP VIOLATIONS SHALL BE BACK CHARGED TO THE RESPONSIBLE PARTY.

SITE DESCRIPTION

PROJECT NAME AND LOCATION:	OWNER NAME AND ADDRESS:
LOWVILLE ACADEMY AND CSD CAPITAL IMPROVEMENT PROJECT BOSTWICK STREET PROPERTY LOWVILLE, NY 13367	LOWVILLE ACADEMY AND CSD 7668 N STATE STREET LOWVILLE, NY 13367

PROJECT DESCRIPTION:

OWNER HAS OBTAINED APPROVAL FROM THE STATE EDUCATION DEPARTMENT FOR A RENOVATION PROJECT. THIS PROJECT CONSISTS OF BUILDING, ATHLETIC, AND SITE RENOVATIONS OVER A SINGLE PHASE. SOIL DISTURBING ACTIVITIES SHALL INCLUDE: CLEARING AND GRUBBING, INSTALLING A STABILIZED CONSTRUCTION ENTRANCE, AND OTHER EROSION AND SEDIMENT CONTROLS, GRADING, EXCAVATION FOR THE PLAYFIELDS AND PREPARATION FOR FINAL SEEDING. THE PROJECT IS SCHEDULED TO BEGIN IN THE SPRING OF 2024 AND BE COMPLETED IN THE FALL OF 2024.

SITE AREA:

THE SITE IS APPROXIMATELY 12.30± ACRES OF WHICH 9.50± ACRES SHALL BE DISTURBED BY CONSTRUCTION ACTIVITIES.

SEQUENCE OF MAJOR ACTIVITIES:

GENERAL:
1. INSTALL OFFSITE TRACKING.
2. INSTALL SILT FENCE WHERE SHOWN AND ON DOWNHILL SLOPES.
3. CONTINUE WITH SITE REMOVALS AND VEGETATION CLEARING.
4. STRIP AND STOCKPILE TO AREAS INDICATED, TEMPORARILY SEED AND PROTECT WITH SILT FENCE.
5. INSTALL SEDIMENT BASIN TEMPORARY OUTLET TRAP AND UPPER SITE CUTOFF DRAINAGE. STABILIZE AREA WITH TEMPORARY SEEDING.
6. INITIATE NECESSARY CUT AND FILLS TO SUBGRADE OF TRACK/FIELD AND SURROUNDS.
7. INSTALL DRAINAGE, OTHER UTILITIES, STABILIZE SLOPES WITH STRAW MAT AS INDICATED.
8. INSTALL SITE FEATURES INCLUDING FENCING, ETC.
9. INSTALL ALL PAVEMENT SUBGRADES, CURBS, AND GUTTERS. INSTALL ASPHALT PAVING AND CONCRETE WALKS.
10. SPREAD TOPSOIL ON SOFTBALL FIELD AND ALL LAWN AREAS. CLEAN SILT OUT OF TEMPORARY SEDIMENT BASIN AND SEED
11. SEED AND SOD LAWN AREAS AS INDICATED, AND INSTALL PLANTINGS.
12. FERTILIZE, WATER, AND MOW LAWN AREAS
13. REMOVE ALL MECHANICAL EROSION CONTROL AFTER LAWN IS STABILIZED

NAME OF RECEIVING WATERS:

THE RUNOFF FROM THE SITE IS COLLECTED BY STORM STRUCTURES AND PIPED TO A SUBSURFACE STORAGE SYSTEM WITH CONTROLLED RELEASE (TO MEET NYSDEC STANDARDS) INTO AN EXISTING MUNICIPAL STORM SYSTEM.

CONTROLS

STABILIZATION PRACTICES

TEMPORARY STABILIZATION: STABILIZE TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 7 DAYS WITH TEMPORARY SEED AND MULCH. REFER TO SEEDING SPECIFICATIONS. AREAS OF THE SITE WHICH ARE TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.

PERMANENT STABILIZATION: STABILIZE DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES WITH PERMANENT SEED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. REFER TO SEEDING SPECIFICATIONS.

STORM WATER MANAGEMENT

STORMWATER DRAINAGE SHALL BE PROVIDED BY STORMWATER MANAGEMENT TRENCHES AND UNDERGROUND STORAGE SYSTEMS.

WASTE DISPOSAL

WASTE MATERIALS: COLLECT AND STORE ALL SITE RELATED WASTE MATERIALS. THE DUMPSTERS SHALL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER SHALL BE EMPTIED A MINIMUM OF TWICE PER WEEK OR MORE OFTEN IF NECESSARY. NO BUILDING CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON-SITE.

HAZARDOUS MATERIALS: DISPOSE ALL SITE RELATED HAZARDOUS WASTE MATERIALS IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER.

SANITARY WASTE: DISPOSE ALL SANITARY WASTE FROM PORTABLE UNITS A MINIMUM OF THREE TIME PER WEEK OR AS REQUIRED BY LOCAL REGULATION.

OFF SITE VEHICLE TRACKING

PROVIDE STABILIZED CONSTRUCTION ENTRANCE TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. SWEEP THE PAVED STREET ADJACENT TO THE SITE ENTRANCE DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPAULIN. REPAIR OR REPLACE OFF SITE TRACKING STONE AS MUD OR DEBRIS IS ACCUMULATED.

TIMING OF CONTROLS / MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE TEMPORARY EROSION AND SEDIMENT CONTROLS, STABILIZED CONSTRUCTION ENTRANCES AND STAGING AREA SHALL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 7 DAYS SHALL BE STABILIZED WITH A TEMPORARY SEED AND MULCH. ONCE CONSTRUCTION ACTIVITY CEASED PERMANENTLY IN AN AREA, THAT AREA SHALL BE STABILIZED WITH PERMANENT LAWN. AFTER THE SITE IS STABILIZED, ANY ACCUMULATED SEDIMENT AND THE TEMPORARY CONTROLS SHALL BE REMOVED. ANY DISTURBED AREAS NOT STABILIZED PRIOR TO SNOW FALL SHALL RECEIVE DRY MULCH TO PROTECT DURING WINTER MONTHS.

CERTIFICATIONS

PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR, SITE EARTHWORK CONTRACTOR, SITE LANDSCAPING CONTRACTOR AND OTHER SUBCONTRACTORS AS DETERMINED BY THE ARCHITECT SHALL SIGN CERTIFICATION NOTED IN SPECIFICATION 31 2501.

ALL EROSION, SEDIMENT AND POLLUTION CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) AND REQUIREMENTS FOR A STATE POLLUTION DISCHARGE ELIMINATION (SPDES) GENERAL PERMIT FOR STORM WATER DISCHARGE FOR CONSTRUCTION ACTIVITY. THE SPDES PERMIT (GP-0-20-001) IS PURSUANT TO THE NYSDEC AND FEDERAL ENVIRONMENTAL CONSERVATION LAW AND HAS PENALTIES AND FINES RELATED TO VIOLATIONS.

SWPP CONTROLS REQUIRED

1. CONTRACTOR TO PROVIDE, INSTALL, AND MAINTAIN 1000' LINEAR FEET OF ADDITIONAL SILT FENCE IN LOCATIONS AS DIRECTED BY THE ARCHITECT DURING DIFFERENT PHASES OF CONSTRUCTION.
2. SITE CONTRACTOR SHALL MAINTAIN CONCRETE WASHOUT FACILITY USED BY ALL CONTRACTORS FOR DURATION OF THE CONSTRUCTION PROJECT.
3. DO NOT STORE MATERIALS OVER STORM, SANITARY, OR WATER UTILITIES.
4. DO NOT EXCAVATE LARGE PORTIONS OF THE SITE WITHOUT PROVIDING THE MEANS TO LIMIT EROSION OVER NIGHT, WEEKENDS, OR PROBABLE INCLEMENT WEATHER.
5. PROVIDE AN ADDITIONAL 2500SY OF TEMPORARY MULCH STABILIZATION IN LOCATIONS AS DETERMINED BY THE ARCHITECT.
6. SITE CONTRACTOR IS RESPONSIBLE FOR DAILY INSPECTION OF OFF SITE TRACKING CONTROLS FOR THE PROJECT AND ALL TRADES. OFF SITE TRACKING SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT SO AS TO KEEP MUD, DIRT, STONE, AND DEBRIS OFF OF THE COUNTY/STATE ROAD. INCLUDES DAILY STREET SWEEPING/CLEANING AT DAILY INTERVALS AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

MAINTENANCE / INSPECTION PROCEDURES

(INSPECTION ON EROSION CONTROLS SHALL BE PERFORMED BY THE ARCHITECT AND SITE CONTRACTOR WITH DEC CERTIFICATION)

1. INSPECT ALL CONTROL MEASURES AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER.
2. MAINTAIN ALL MEASURES IN GOOD WORKING ORDER± IF A REPAIR IS NECESSARY, SITE CONTRACTOR SHALL INITIATE WITHIN 24 HOURS OF REPORT.
3. REMOVE BUILT UP SEDIMENT FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
4. INSPECT SILT FENCE FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
5. INSPECT DIVERSION DIKE/ AND OR DITCHES AND REPAIR ANY BREACHES PROMPTLY.
6. INSPECT TEMPORARY AND PERMANENT SEEDING AND PLANTING FOR BARE SPOTS, WASHOUT, AND HEALTHY GROWTH.
7. PREPARE A MAINTENANCE INSPECTION REPORT AFTER EACH INSPECTION.
8. THE OWNER'S PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL RECEIVE TRAINING FROM THE ARCHITECT AND CONTRACTOR. THEY SHALL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT AND WATER QUANTITY AND QUALITY SYSTEMS CONTROLS USED ON-SITE IN GOOD WORKING ORDER, POST CONSTRUCTION.

INVENTORY FOR POLLUTION PREVENTION PLAN

MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ON-SITE DURING CONSTRUCTION:

- CONCRETE
- FERTILIZERS
- DETERGENTS
- PETROLEUM BASED PRODUCTS
- PAINTS (ENAMEL AND LATEX)
- CLEANING SOLVENTS
- MASONRY BLOCK
- WOOD
- ASPHALT
- MISC. CONSTRUCTION MATERIALS

SPILL PREVENTION

1. THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT:
   - STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
   - STORE ALL MATERIALS STORED ON-SITE IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
   - KEEP PRODUCTS IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
   - WHENEVER POSSIBLE, USE UP ALL OF A PRODUCT BEFORE DISPOSING OF THE CONTAINER.
   - FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL.
   - INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.
2. THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:
   - KEEP PRODUCTS IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
   - RETAIN ORIGINAL LABELS AND MATERIAL SAFETY DATA. THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
   - IF SURPLUS PRODUCT MUST BE DISPOSED OF, FOLLOW MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL.
3. MONITOR ALL ON-SITE VEHICLES FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED OSHA APPROVED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S AND ARCHITECT'S RECOMMENDATIONS.
4. APPLY FERTILIZERS USED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER AND ARCHITECT. ONCE APPLIED, FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE SHALL BE IN COVERED STORAGE. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
5. SEAL AND STORE ALL PAINT CONTAINERS TIGHTLY WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT BE DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.
6. CONCRETE AND ASPHALT TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SWPPP LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	STRAW MAT HILLSIDE / SWALE	CWF	CONCRETE WASHOUT FACILITY
1	LAWN TYPE (SEE SPEC.)		TREE PROTECTION
	EXISTING CONTOUR		EXISTING VEGETATION PROTECTION
	PROPOSED CONTOUR		
SF	SILT FENCE		
	OFF SITE TRACKING CONTROL CONSTRUCTION ENTRY/EXIT		
	TEMPORARY FABRIC INLET PROTECTION		
	TOPSOIL STOCKPILE AREA		
TSD	TRIANGULAR SILT DIKE		

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EXP. 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

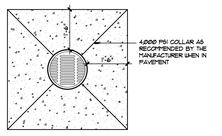
NO	DESCRIPTION	BY	DATE

REVISIONS

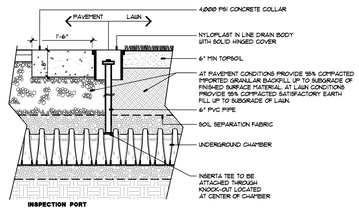
DATE	NOVEMBER 30, 2023
DRAWN BY	BM
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2194

DRAWING TITLE
STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BOSTWICK FIELDS

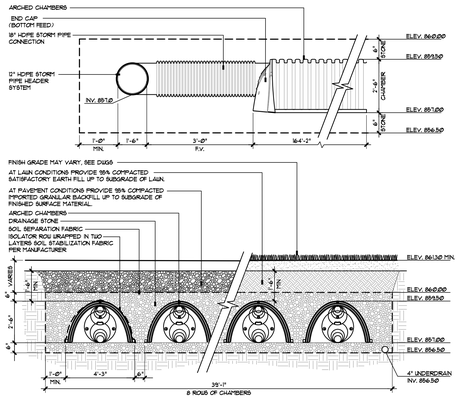
DRAWING NO.
C105



PLAN – CONCRETE COLLAR



INSPECTION PORT



4 SUBSURFACE INFILTRATION SYSTEM – SC 740
SECTION • NOT TO SCALE 3348-210
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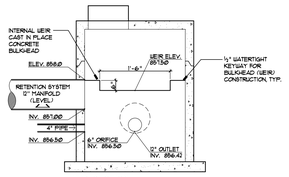
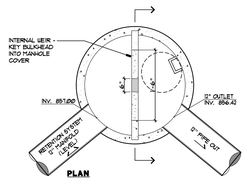
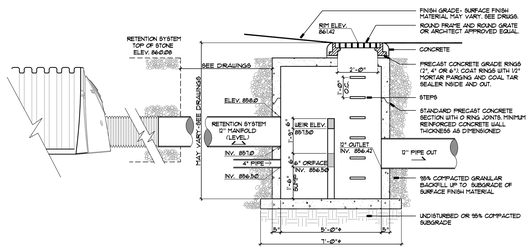


WEIR SECTION

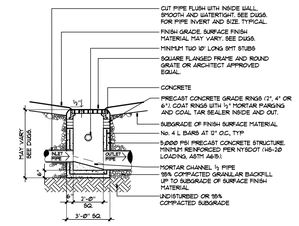


PLAN

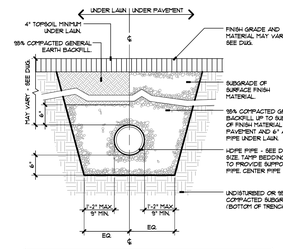


SECTION

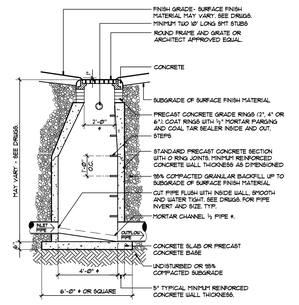
5 CONTROL STRUCTURE W/ INTERNAL WEIR = CS
SECTION • NOT TO SCALE 3348-211
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



4 STORM INLET – SI
SECTION • NOT TO SCALE 3348-209A
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



2 STORM TRENCH = ST
SECTION • NOT TO SCALE 3348-209A
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



3 STORM MANHOLE = MH
SECTION • NOT TO SCALE 3348-209A
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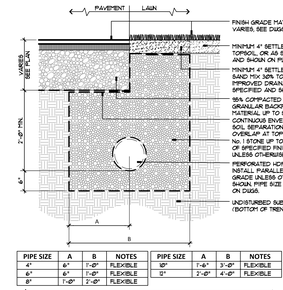

PIPE SIZE	A	B	NOTES
4"	6"	1'-0"	FLEXIBLE
6"	6"	1'-0"	FLEXIBLE
8"	1'-0"	2'-0"	FLEXIBLE

PIPE SIZE	A	B	NOTES
10"	1'-6"	3'-0"	FLEXIBLE
12"	2'-0"	4'-0"	FLEXIBLE

1 STORMWATER MGMT TRENCH = SMT
SECTION • NOT TO SCALE 3348-185
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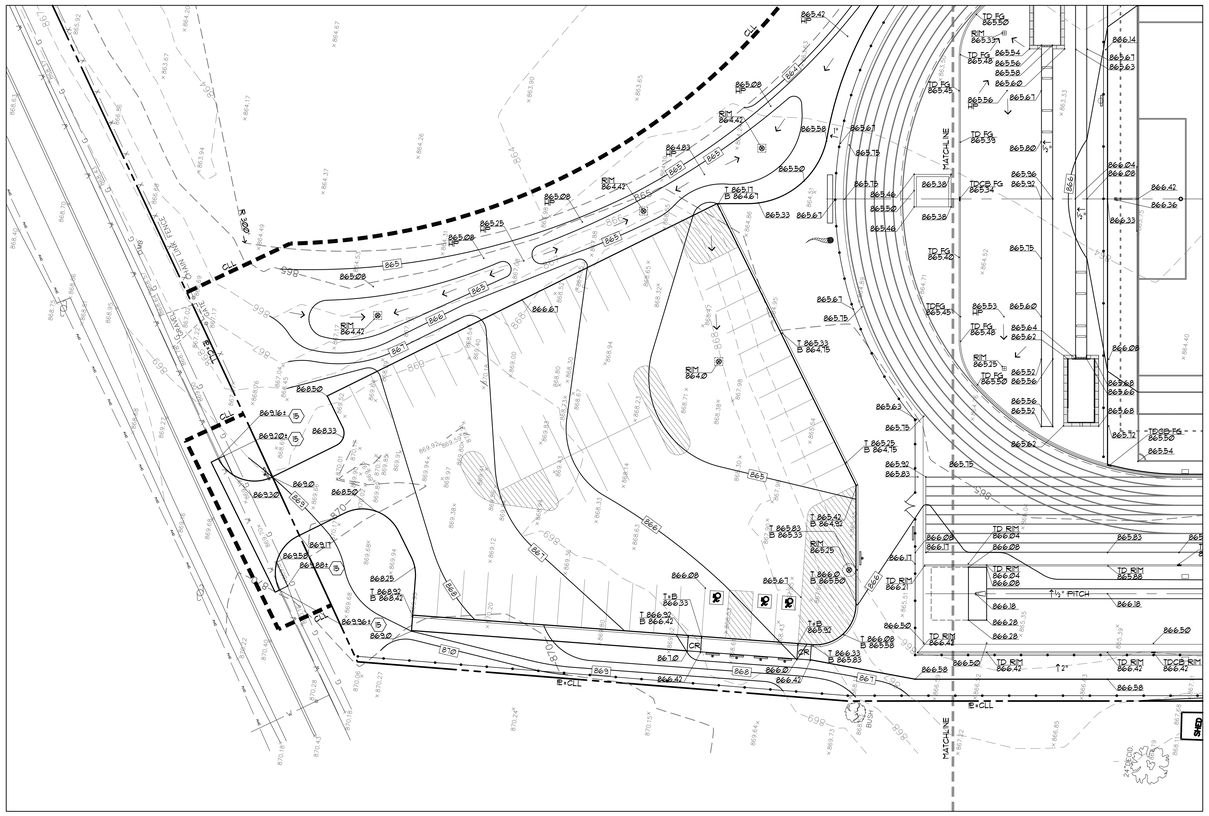
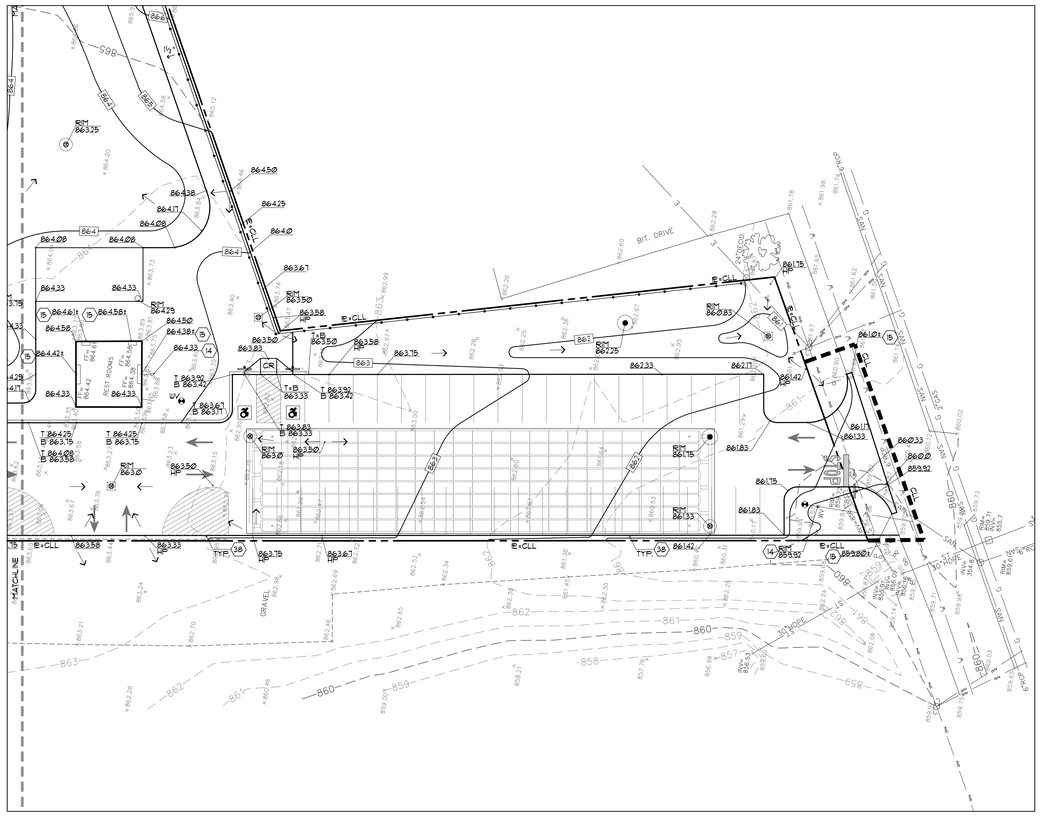


GRADING AND DRAINAGE PLAN - BOSTWICK STREET PARKING LOT

NORTH 0 10 20 40 60 SCALE IN FEET



GRADING AND DRAINAGE PLAN - WOODLAWN AVENUE PARKING LOT

NORTH 0 10 20 40 60 SCALE IN FEET

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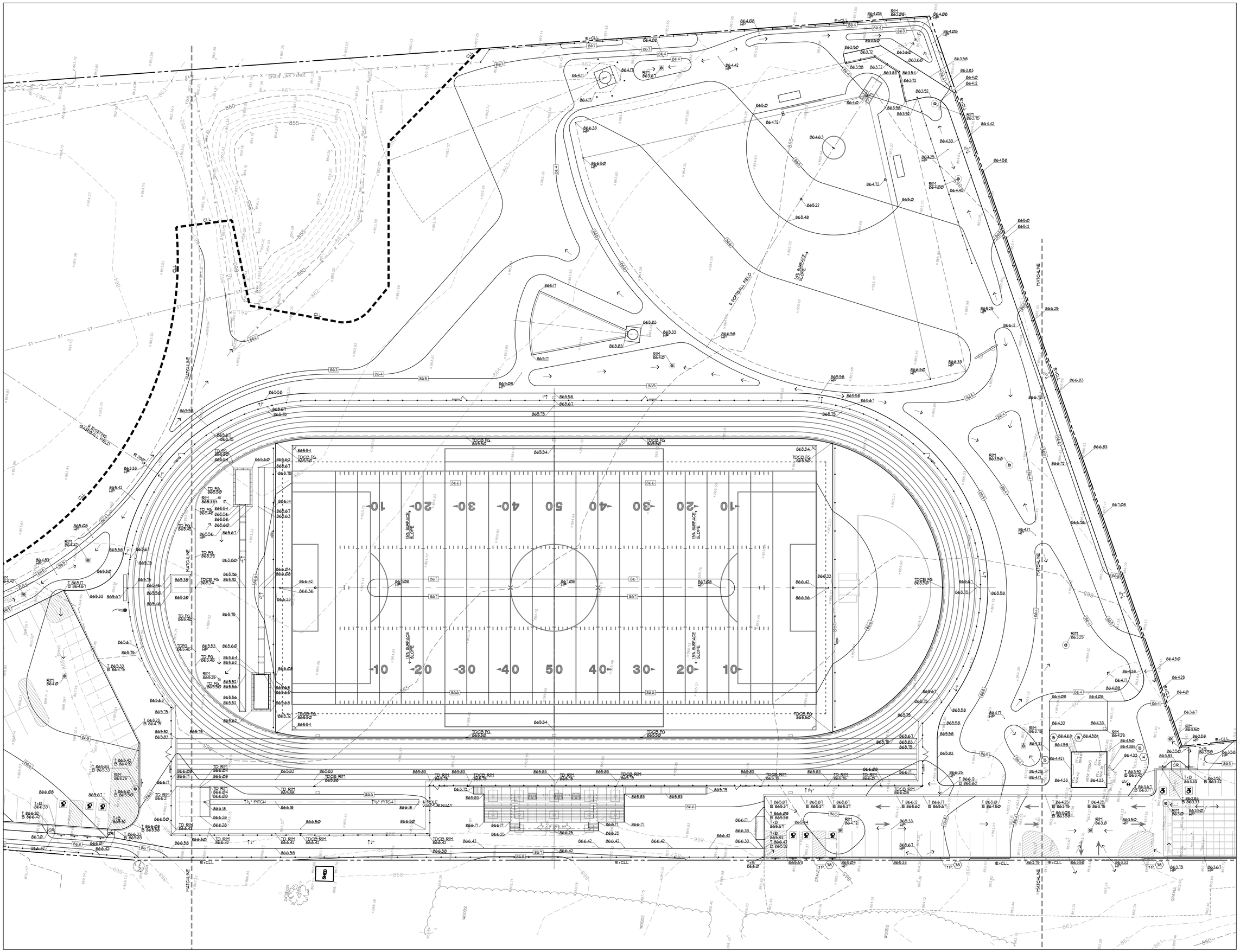
REGISTERED LANDSCAPE ARCHITECT CORY MICHAEL TERRY 002097 STATE OF NEW YORK
EXP 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY		BMT	
CHECKED BY		CJ	
SCALE		AS SHOWN	
PROJECT NO.		2184	

DRAWING TITLE
GRADING AND DRAINAGE PLAN - BOSTWICK FIELD PARKING LOTS

DRAWING NO.
C106



GRADING AND DRAINAGE PLAN - BOSTWICK FIELDS - BASE BID

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JOSEPH MICHAEL TERRY
002097
STATE OF NEW YORK
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MAIN BUILDING
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7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

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REVISIONS			

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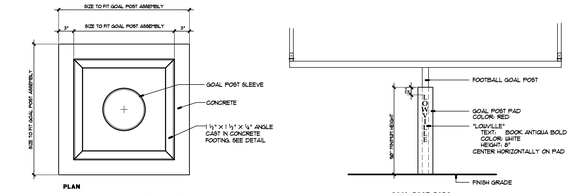
PROJECT NO.	2154

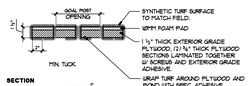
DRAWING TITLE
GRADING AND DRAINAGE PLAN - BOSTWICK FIELD TRACK AREA BASE BID

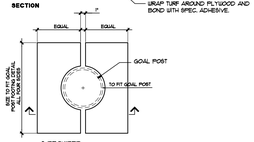
DRAWING NO.
C107



GOAL POST FOOTING SLEEVE

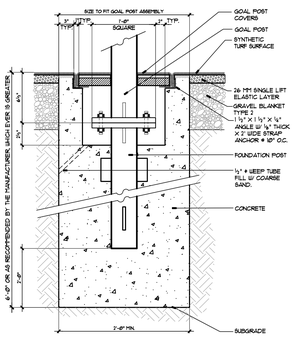
GOAL POST PADS





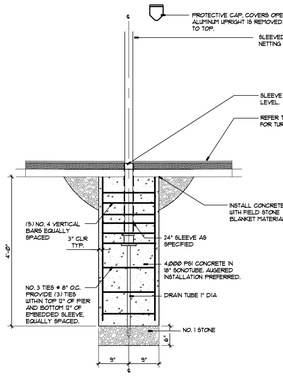
GOAL POST FOOTING COVERS

* NOTE: DIMENSIONS SHOWN ARE PLYWOOD EXCEPT FOR TURF TUCK.



GOAL POST FOOTING - TURF - ALTERNATE

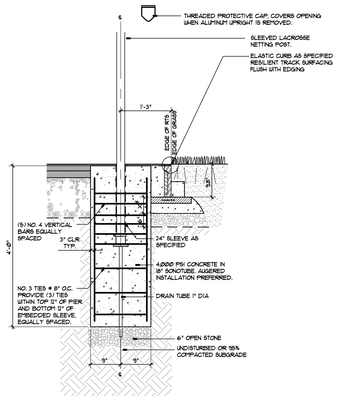
SECTION • NOT TO SCALE 3230-30M



NOTE: THREE BALL STOP POLE/FOOTING LOCATIONS AT EACH CORNER OF FIELD WILL ONLY BE INSTALLED IF ALTERNATE NO. 1 FOR SYNTHETIC TURF IS ACCEPTED.

LAX BALL STOP AT TURF

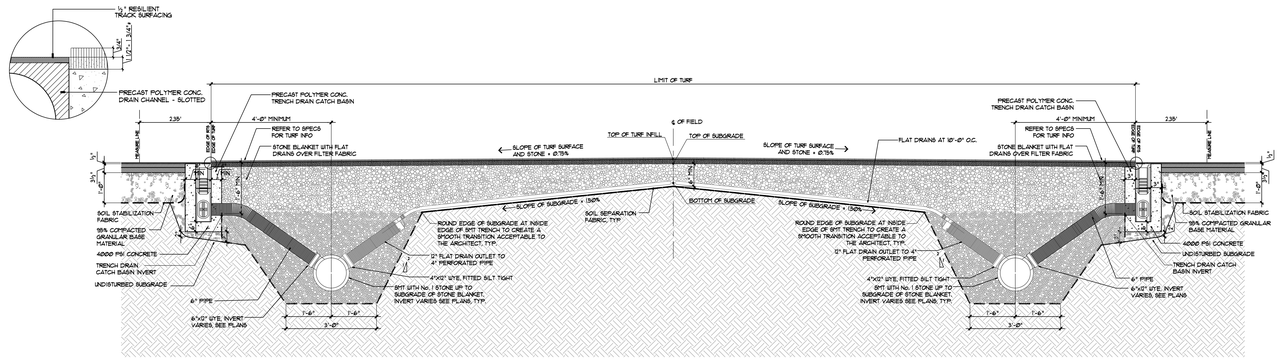
SECTION • NOT TO SCALE M-LAX TD-1860



DIMENSIONS PER MANUFACTURER'S RECOMMENDATIONS

D-AREA EDGE WITH BALL STOP AT GRASS

SECTION • NOT TO SCALE LAX-1860

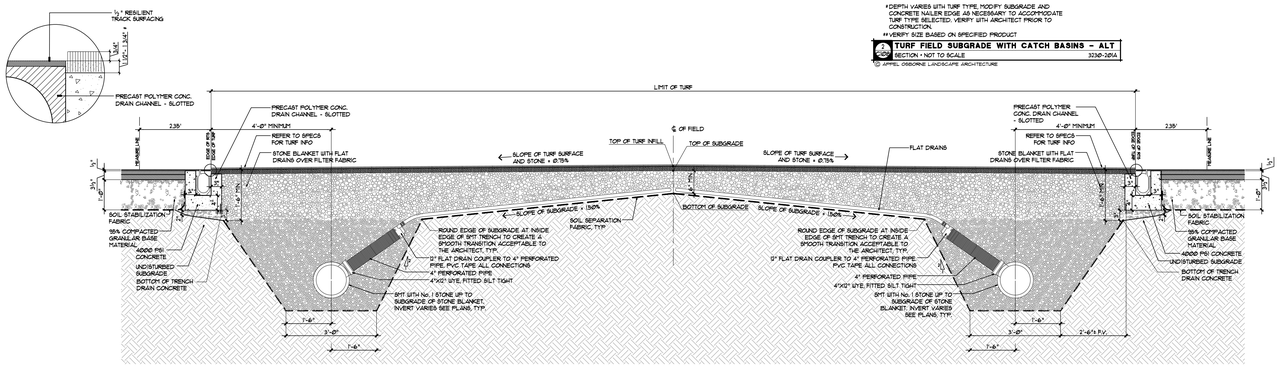


* DEPTH VARIES WITH TURF TYPE. MODIFY SUBGRADE AND CONCRETE NAILER EDGE AS NECESSARY TO ACCOMMODATE TURF TYPE SELECTED. VERIFY WITH ARCHITECT PRIOR TO CONSTRUCTION.

** VERIFY SIZE BASED ON SPECIFIED PRODUCT

TURF FIELD SUBGRADE WITH CATCH BASINS - ALT

SECTION • NOT TO SCALE 3230-28M

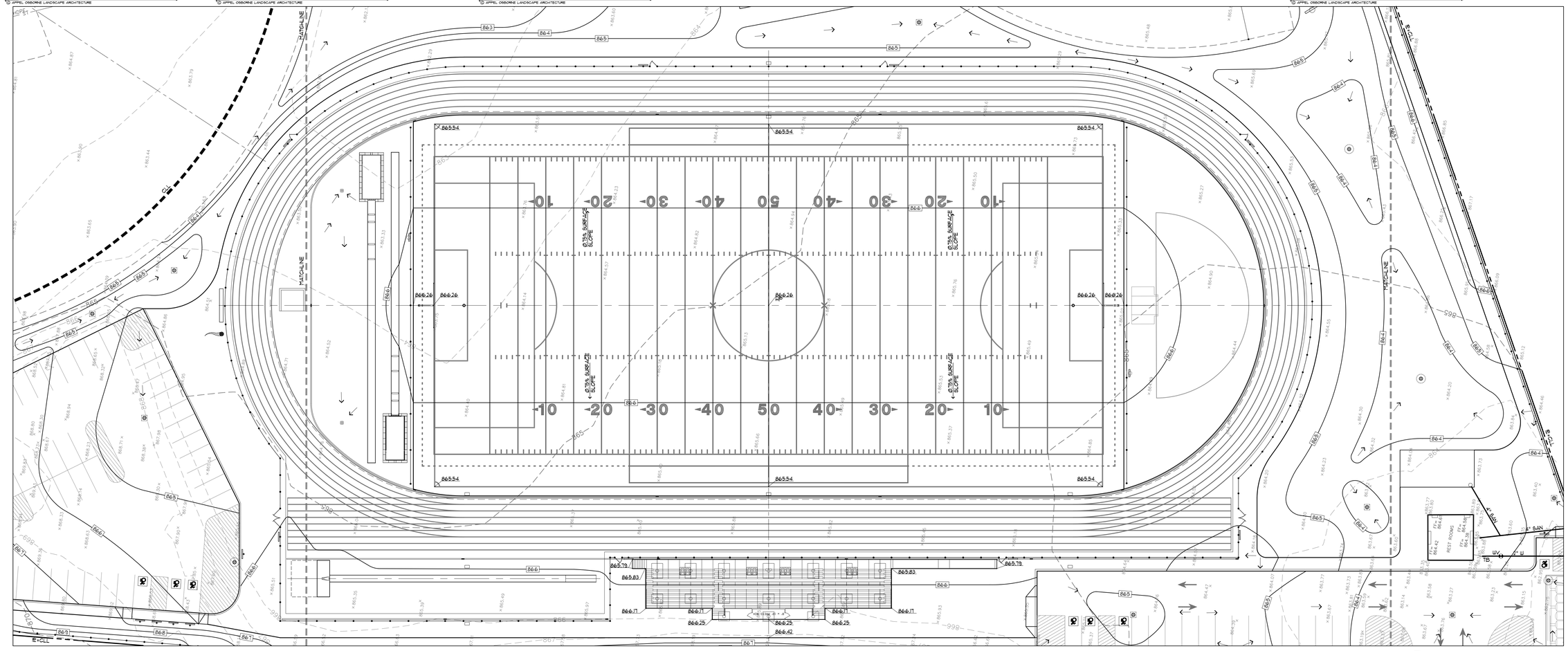


* DEPTH VARIES WITH TURF TYPE, MODIFY SUBGRADE AND CONCRETE NAILER EDGE AS NECESSARY TO ACCOMMODATE TURF TYPE SELECTED. VERIFY WITH ARCHITECT PRIOR TO CONSTRUCTION.

** VERIFY SIZE BASED ON SPECIFIED PRODUCT

TURF FIELD SUBGRADE CROSS SECTION - ALT

SECTION • NOT TO SCALE 3230-28M



GRADING AND DRAINAGE PLAN - BOSTWICK FIELDS - SYNTHETIC TURF ALTERNATE NO. 1 AND BLEACHER CAPACITY ALTERNATE NO. 5

NOTE: REVISED SPOT GRADES SHOWN ONLY RELATE TO WORK IF ALTERNATES ARE ACCEPTED. ALL OTHER ADJACENT GRADES SHALL BE AS SHOWN ON SHEET C107.

NORTH

0 10 20 40 60

SCALE IN FEET

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EXP. 09/30/2025

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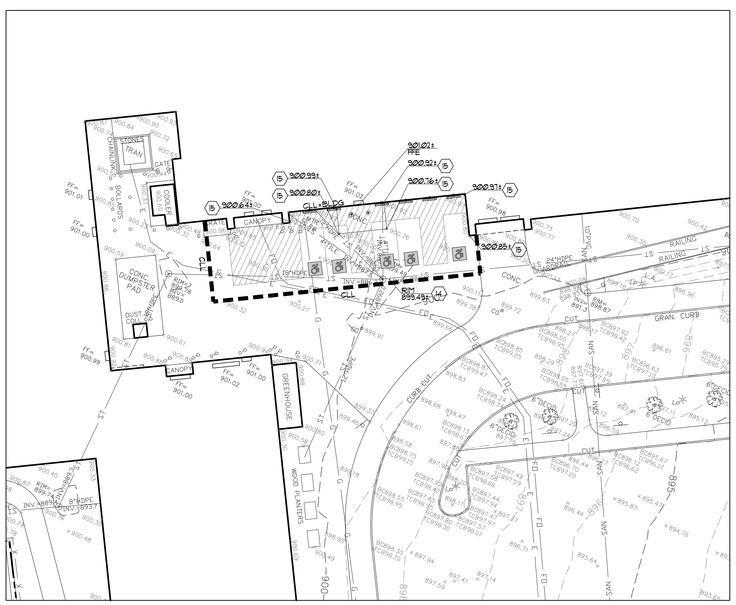
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	BM		
CHECKED BY	CJ		
SCALE	AS SHOWN		
PROJECT NO.	2154		

DRAWING TITLE
GRADING AND DRAINAGE PLAN BOSTWICK ALTERNATE NO. 1 AND NO. 5

DRAWING NO.
C108



GRADING / DRAINAGE PLAN - CAFETERIA BOLLARDS

NOTE: NO UTILITY PLAN PROVIDED FOR THIS AREA.

NORTH 0 10 20 SCALE IN FEET

GRADING and DRAINAGE PLAN - LOWVILLE ACADEMY FIELD

NOTE: NO UTILITY PLAN PROVIDED FOR THIS AREA.

NORTH 0 10 20 40 60 SCALE IN FEET

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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT

7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
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CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2754

DRAWING TITLE
GRADING and DRAINAGE PLAN - LOWVILLE ACADEMY

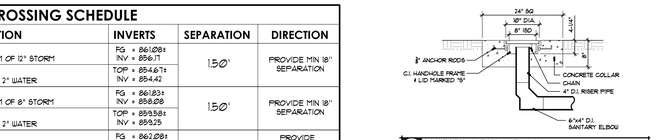
DRAWING NO.
C109

GRADING/DRAINAGE/UTILITY PLAN - BOSTWICK BASEBALL FIELD - ALT NO. 3

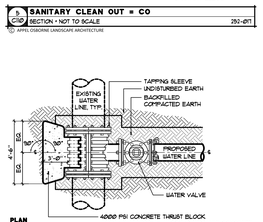
NORTH 0 10 20 40 60 SCALE IN FEET

PIPE CROSSING SCHEDULE				
DESCRIPTION		INVERTS	SEPARATION	DIRECTION
A	BOTTOM OF 12" STORM	FG = 861.08 INV = 856.71	1.50'	PROVIDE MIN 18" SEPARATION
	TOP OF 2" WATER	TOP = 858.46 INV = 854.42		
B	BOTTOM OF 8" STORM	FG = 861.83 INV = 858.08	1.50'	PROVIDE MIN 18" SEPARATION
	TOP OF 2" WATER	TOP = 859.58 INV = 855.25		
C	BOTTOM OF 8" STORM	FG = 862.08 INV = 858.08	0.58'	PROVIDE CONCRETE SADDLE. SEE DETAIL 6/C110
	TOP OF 4" SANITARY	TOP = 857.50 INV = 857.08		
D	BOTTOM OF 4" SMT	FG = 861.42 INV = 858.92	0.83'	
	TOP OF 4" SANITARY	TOP = 858.08 INV = 857.67		
E	BOTTOM OF 4" SMT	FG = 862.67 INV = 860.17	0.75'	
	TOP OF 4" SANITARY	TOP = 859.42 INV = 859.30		
F	BOTTOM OF 18" STORM	FG = 863.29 INV = 857.33	1.50'	PROVIDE MIN 18" SEPARATION
	TOP OF 2" WATER	TOP = 855.83 INV = 855.58		
G	BOTTOM OF 4" SANITARY	FG = 864.08 INV = 862.92	1.92'	
	TOP OF 18" STORM	TOP = 859.01 INV = 857.25		

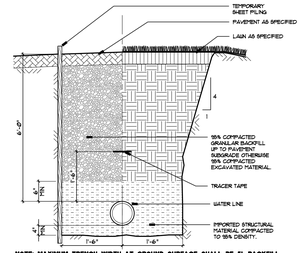
ALL NUMBERS ARE APPROXIMATE. CONTRACTOR TO VERIFY DEPTHS PRIOR TO LAYING UTILITIES. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.



SANITARY CLEAN OUT = CO
SECTION • NOT TO SCALE 252-001

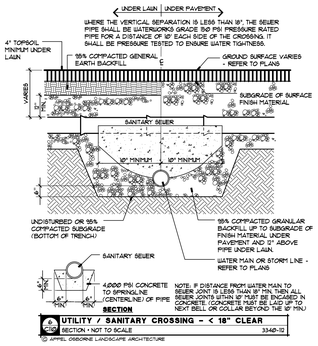


STANDARD TAPPING SLEEVE & VALVE ASSEMBLY
SECTION • NOT TO SCALE TAPPING-SLEEVE

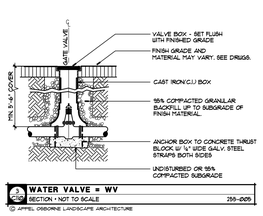


NOTE: MAXIMUM TRENCH WIDTH AT GROUND SURFACE SHALL BE 8'. BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH SPECIFICATIONS.

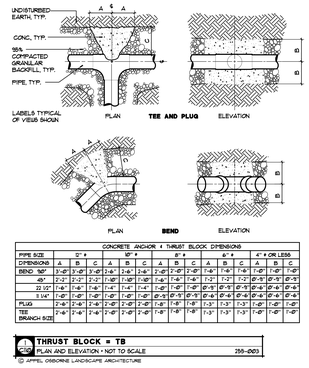
WATERLINE TRENCH
SECTION • NOT TO SCALE 255-0004



UTILITY / SANITARY CROSSING - < 18" CLEAR
SECTION • NOT TO SCALE 3340-12



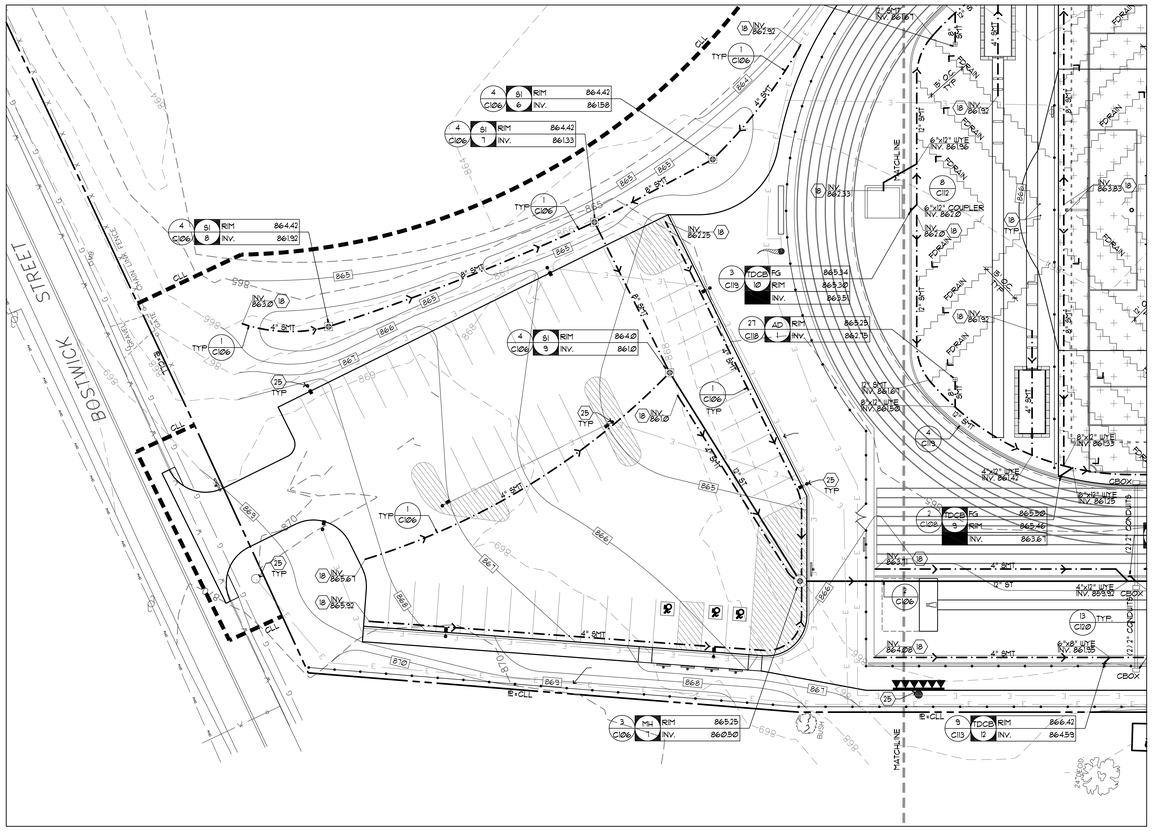
WATER VALVE = WV
SECTION • NOT TO SCALE 255-0005



CONCRETE ANCHOR & THRUST BLOCK DIMENSIONS

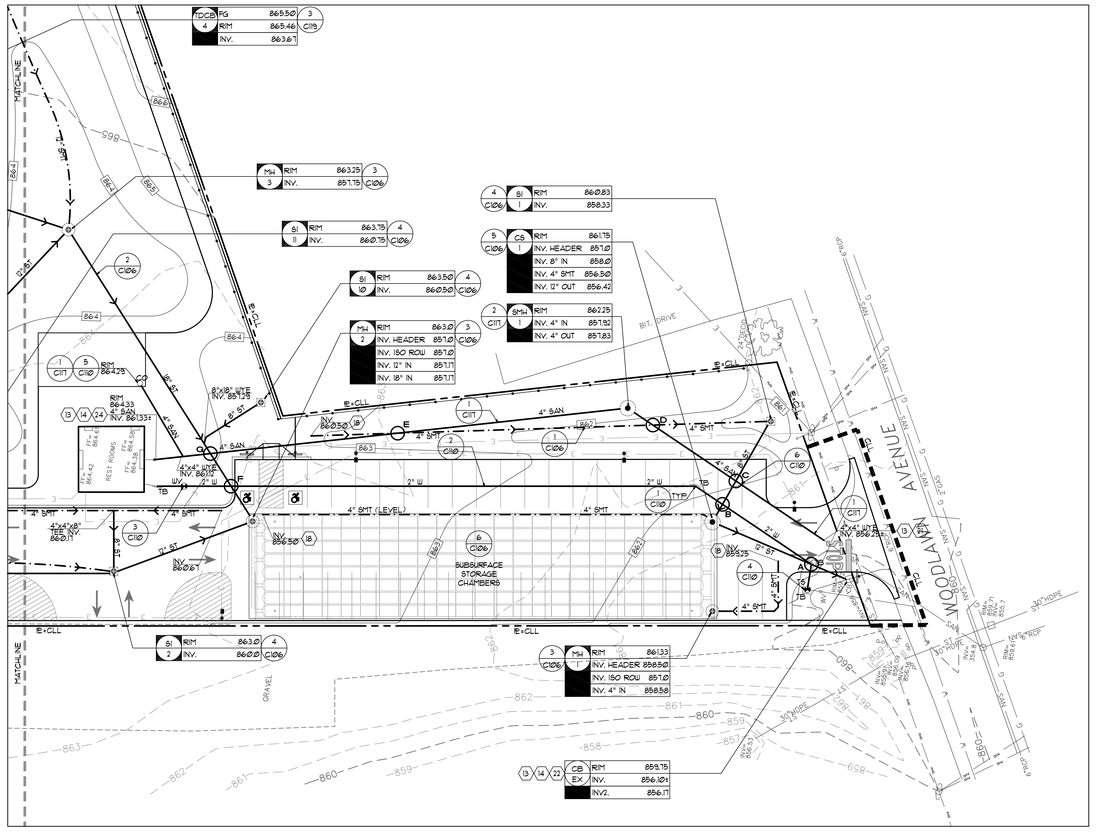
PIPE SIZE	12" ø			10" ø			8" ø			6" ø			4" ø OR LESS		
DIMENSIONS	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
BEND 90°	3'-0"	3'-0"	3'-0"	2'-6"	2'-6"	2'-6"	2'-0"	2'-0"	2'-0"	1'-6"	1'-6"	1'-6"	1'-0"	1'-0"	1'-0"
45°	2'-0"	2'-0"	2'-0"	1'-9"	1'-9"	1'-9"	1'-6"	1'-6"	1'-6"	1'-3"	1'-3"	1'-3"	1'-0"	1'-0"	1'-0"
22.50°	1'-6"	1'-6"	1'-6"	1'-4"	1'-4"	1'-4"	1'-0"	1'-0"	1'-0"	0'-9"	0'-9"	0'-9"	0'-6"	0'-6"	0'-6"
11.25°	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	0'-9"	0'-9"	0'-9"	0'-6"	0'-6"	0'-6"	0'-6"	0'-6"	0'-6"
PLUG	1'-6"	2'-6"	2'-6"	2'-0"	2'-0"	2'-0"	1'-9"	1'-9"	1'-9"	1'-3"	1'-3"	1'-3"	1'-0"	1'-0"	1'-0"
TEE BRANCH SIZE	1'-6"	2'-6"	2'-6"	2'-0"	2'-0"	2'-0"	1'-9"	1'-9"	1'-9"	1'-3"	1'-3"	1'-3"	1'-0"	1'-0"	1'-0"

THRUST BLOCK = TB
PLAN AND ELEVATION • NOT TO SCALE 255-0003



UTILITY PLAN - BOSTWICK STREET PARKING LOT

NORTH 0 10 20 40 60 SCALE IN FEET



UTILITY PLAN - WOODLAWN AVENUE PARKING LOT

NORTH 0 10 20 40 60 SCALE IN FEET

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Utica, NY 13502
315.733.2344
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EXP. 09/30/2025

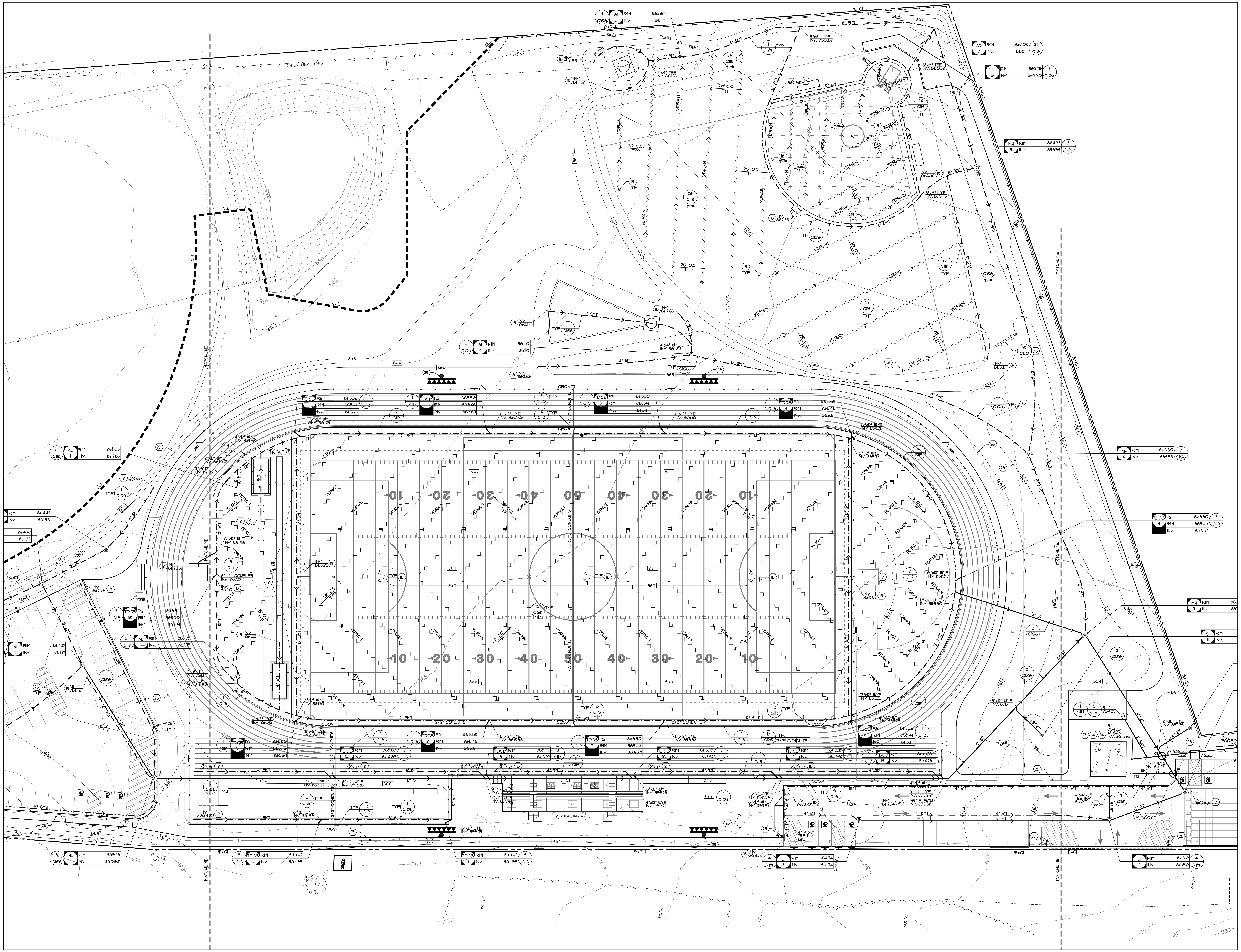
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO.	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	BM
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2154

DRAWING TITLE
UTILITY PLAN - BOSTWICK FIELDS PARKING LOTS

DRAWING NO.
C110



UTILITY PLAN - BOSTWICK FIELDS - BASE BID

NORTH

0 10 20 40 60 SCALE IN FEET

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EXP. 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL MAIN BUILDING CAPITAL PROJECT

7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

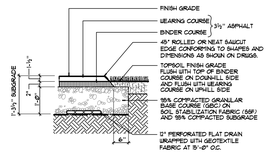
NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	BM
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2194

DRAWING TITLE
UTILITY PLAN BOSTWICK FIELD TRACK AREA BASE BID

DRAWING NO.
C111



MEDIUM DUTY ASPHALT TYPE 2 WITH F-DRAIN
DTL SECTION • NOT TO SCALE 323D-'11
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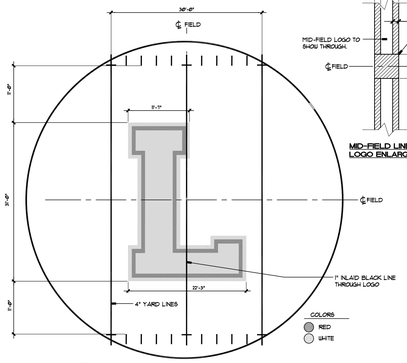

NOTE: ALL LOGO GRAPHICS SHALL BE NLAID SYNTHETIC TURF WHEN YARDLINE MARKINGS CONFLICT WITH LOGO, PROVIDE 1" LINE. SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

MID-FIELD LOGO DETAIL
DTL PLAN • NOT TO SCALE 323D-'06&'09
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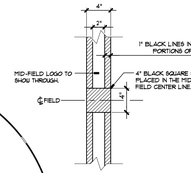
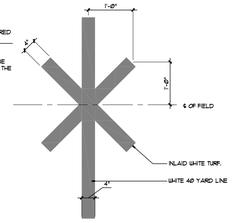


MID-FIELD LINE OVER LOGO ENLARGEMENT



NOTE: SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

KICK-OFF MARKER
DTL PLAN • NOT TO SCALE 323D-'06&'09
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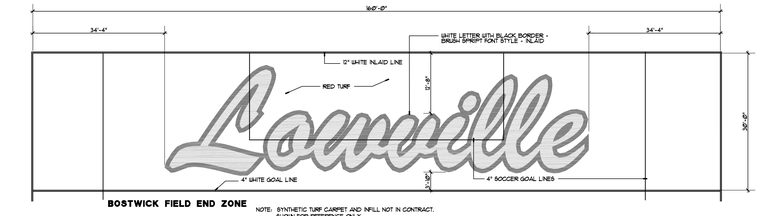

BOSTWICK FIELD END ZONE

NOTE: SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

ENDZONE LAYOUT
DTL PLAN • NOT TO SCALE 323D-'06&'09
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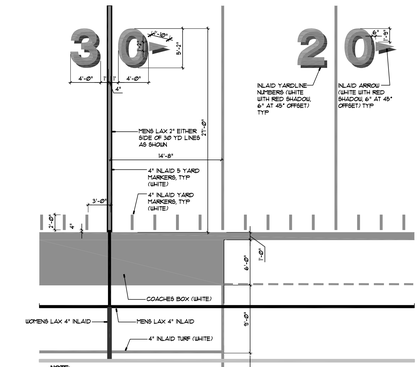

NOTE:
1. ALL LINES SHALL BE NLAID TURF, COLOR AS SPECIFIED OR AS CHOSEN BY OWNER.
2. ALL LINES LAYOUTS AND DIMENSIONS TO MEET NFHS STANDARDS AND APPROVAL OF OWNER.
3. VERIFY ANY LINE THAT ENTERS THE END ZONE IS A DIFFERENT COLOR AS CHOSEN BY THE OWNER. VERIFY WITH THE ATHLETIC DIRECTOR PRIOR TO INSTALLATION.
4. ALONG BOTH SIDES OF THE FOOTBALL 30 YARD LINE PROVIDE 2" OF NLAID TURF COLOR AS SPECIFIED OR AS CHOSEN BY THE OWNER. VERIFY WITH THE ATHLETIC DIRECTOR PRIOR TO INSTALLATION.
5. NUMBER SHADOWS SHALL BE COLOR AS SPECIFIED OR AS CHOSEN BY OWNER.

NOTE: SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

SIDE LINES DETAIL WITH COACHES BOX
DTL PLAN • NOT TO SCALE 323D-'06&'09
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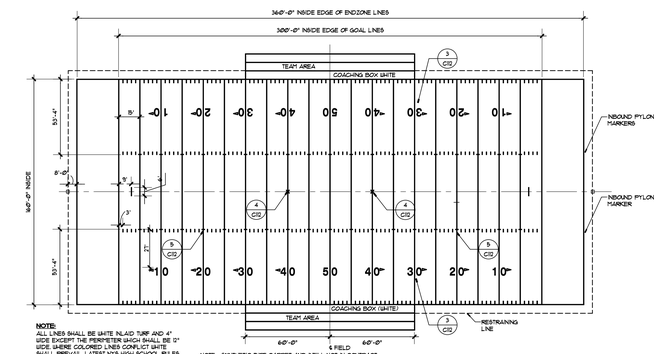

NOTE: ALL LINES SHALL BE WHITE NLAID TURF AND 4" WIDE EXCEPT THE PERIMETER WHICH SHALL BE 12" WIDE WHERE COLORED LINES CONFLICT WHITE SHALL PREVAIL. LATEST NYS HIGH SCHOOL RULES AND LOCAL CONFERENCE MODIFICATIONS TAKE PRECEDENCE OVER ELEMENTS SHOWN ON DETAILS.

NOTE: SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

FOOTBALL FIELD LAYOUT
DTL PLAN • NOT TO SCALE 323D-'06&'09
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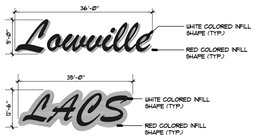

NOTE: 1. ALL LOGO GRAPHICS SHALL BE NLAID SYNTHETIC TURF.
2. ALL LOGO GRAPHIC COLORS TO BE FINAL APPROVED AND SELECTED BY OWNER. PROVIDE COLOR SAMPLES FOR SELECTION PROCESS.
3. REFER TO PLANS FOR LOCATIONS.
4. SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

CORNER-FIELD LOGO DETAIL
DTL PLAN • NOT TO SCALE 27B-&07
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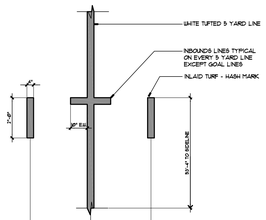

NOTE: SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

INBOUND LINE DETAIL
DTL PLAN • NOT TO SCALE 323D-'06&'09
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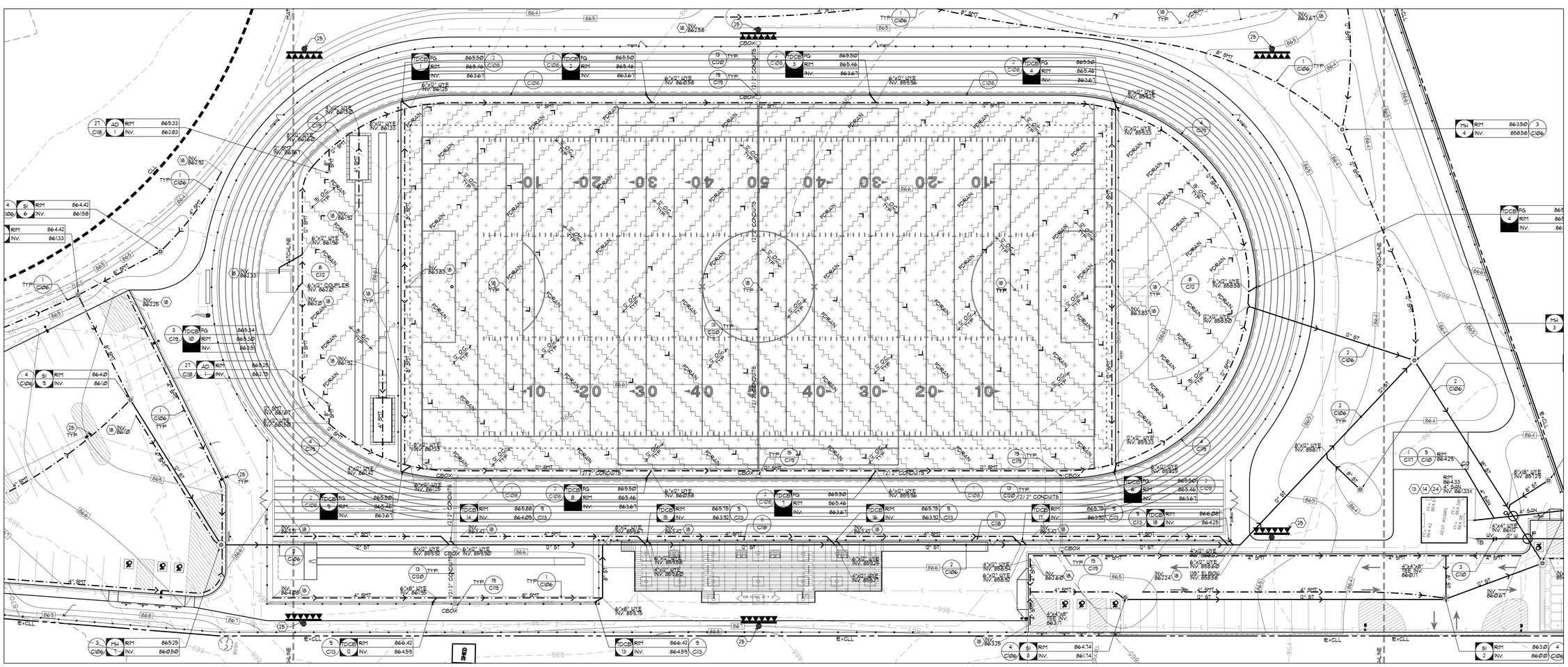

UTILITY PLAN - BOSTWICK FIELDS - SYNTHETIC TURF ALTERNATE NO. 1 AND BLEACHER CAPACITY ALTERNATE NO. 5

NORTH
0 10 20 40 60
SCALE IN FEET

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
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PLANNING, ART & DESIGN STUDIO, PLLC

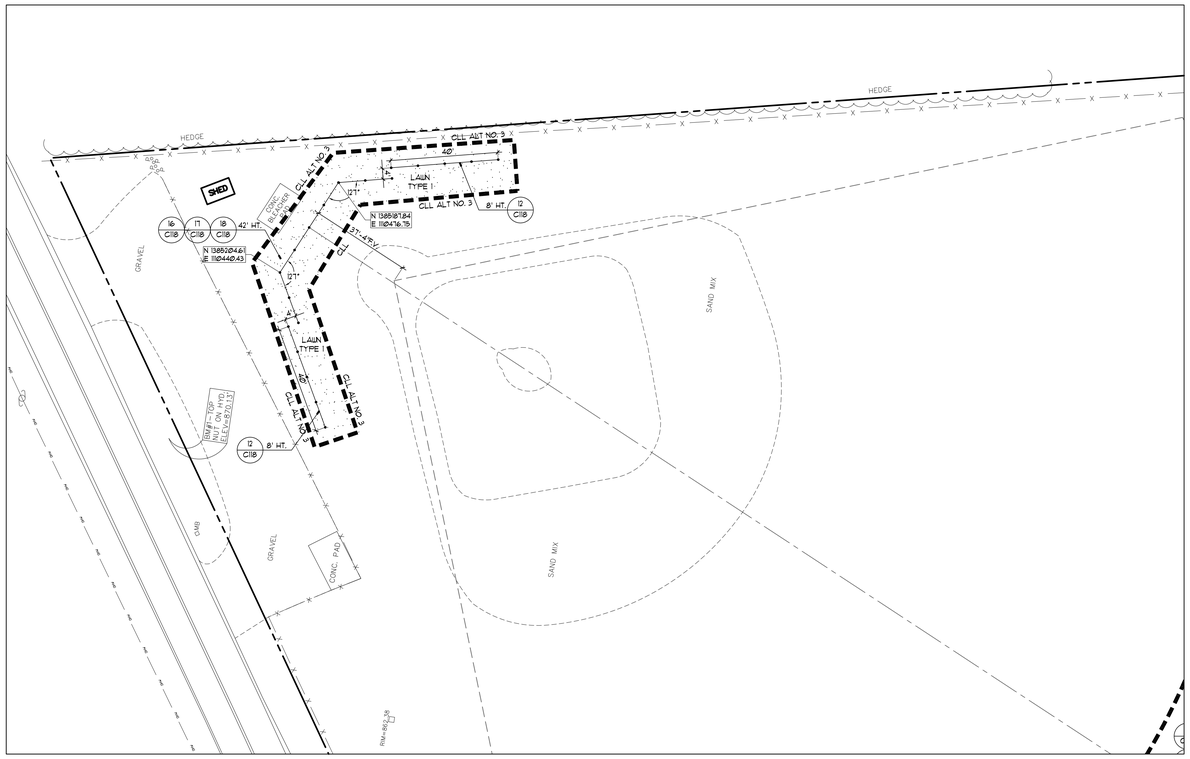
REGISTERED LANDSCAPE ARCHITECT
CORY MICHAEL TERRY
002097
STATE OF NEW YORK
EXP. 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY			BM
CHECKED BY			CJ
SCALE			AS SHOWN
PROJECT NO.			2164

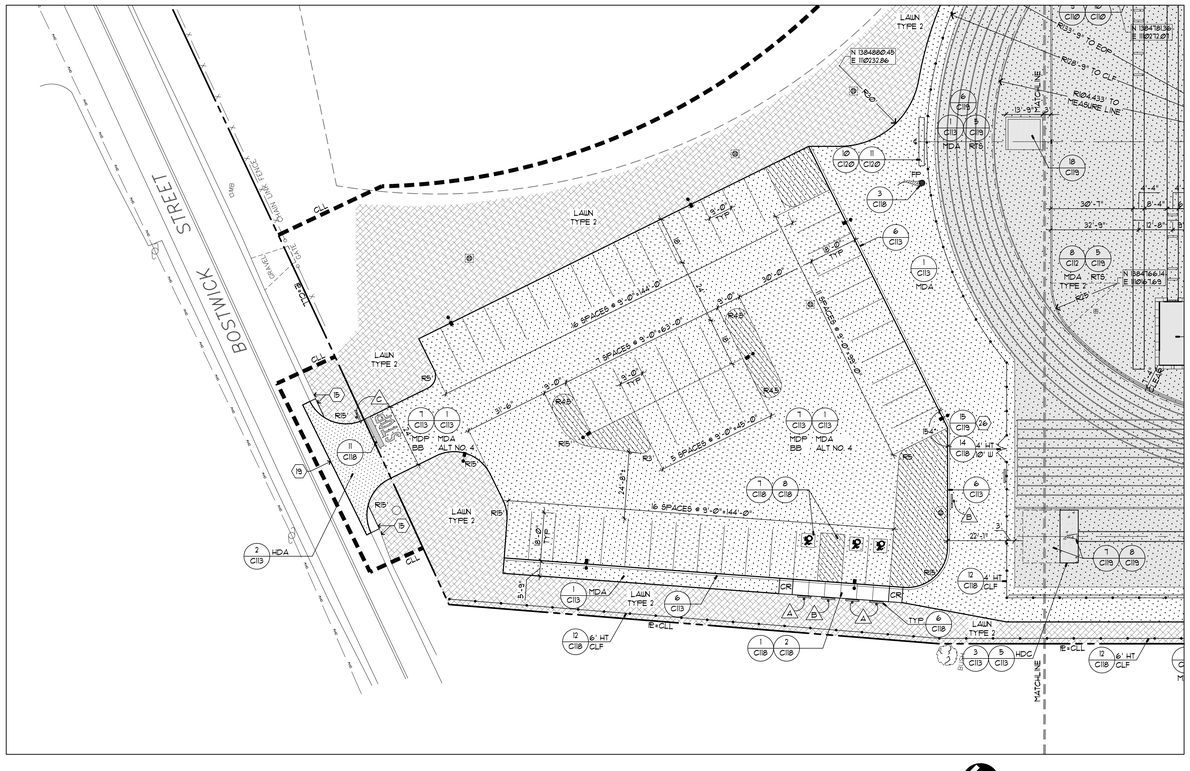
DRAWING TITLE
UTILITY PLAN BOSTWICK ALTERNATE NO. 1 AND NO. 5

DRAWING NO.
C112



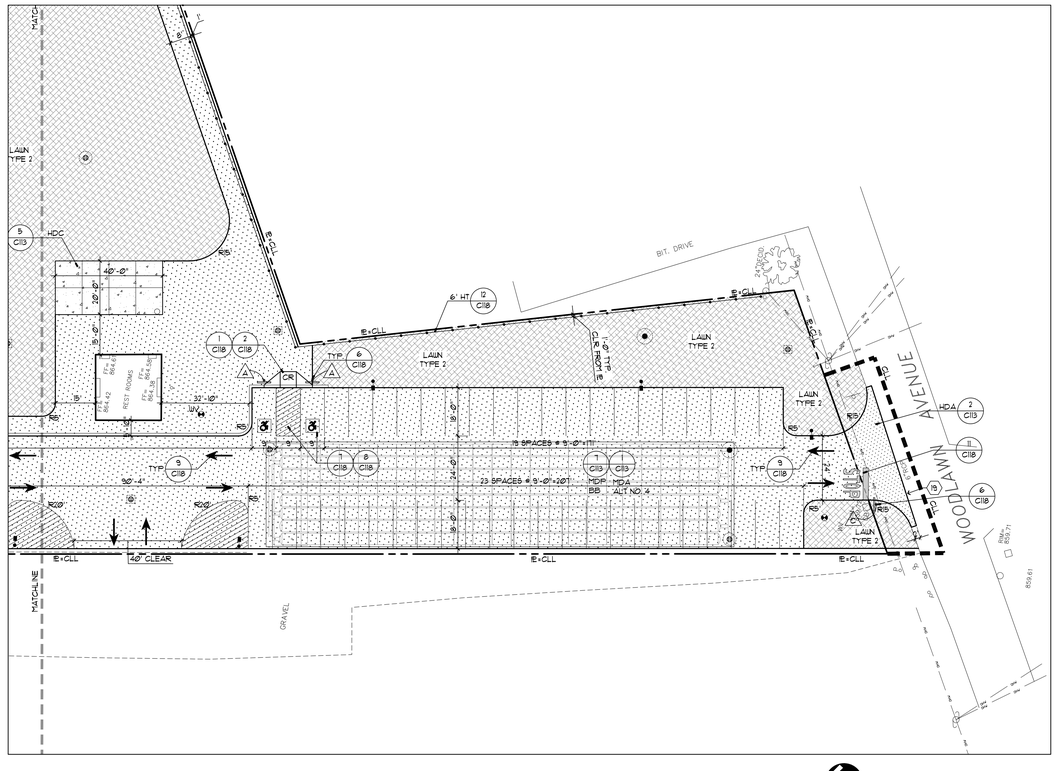
LAYOUT PLAN - BOSTWICK BASEBALL FIELD - ALT NO. 3

NORTH 0 10 20 40 60 SCALE IN FEET



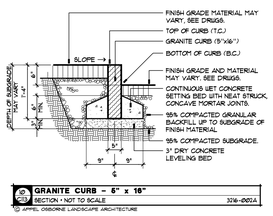
LAYOUT PLAN - BOSTWICK STREET PARKING LOT

NORTH 0 10 20 40 60 SCALE IN FEET

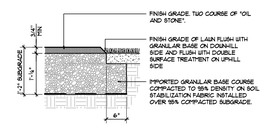


LAYOUT PLAN - WOODLAWN AVENUE PARKING LOT

NORTH 0 10 20 40 60 SCALE IN FEET



GRANITE CURB - 5" x 16"
C13 SECTION • NOT TO SCALE 316-0101A
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



MEDIUM DUTY DOUBLE SURFACE PAVEMENT = MDP
C13 SECTION • NOT TO SCALE 320-0104B
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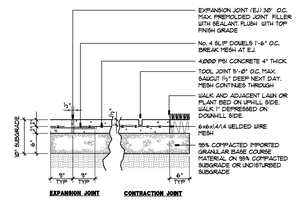

CONCRETE WALK - STANDARD
C13 SECTION • NOT TO SCALE 320-3201
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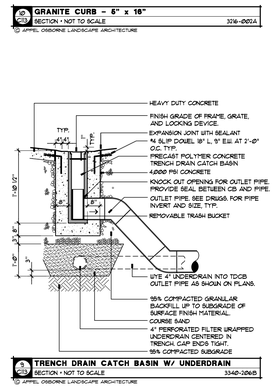

TRENCH DRAIN CATCH BASIN W/ UNDERDRAIN
C13 SECTION • NOT TO SCALE 3340-2004B
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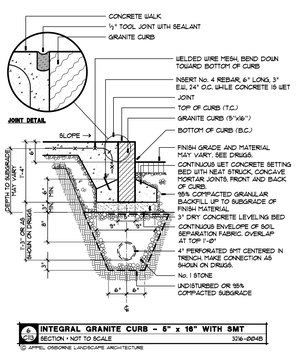

INTEGRAL GRANITE CURB - 5" x 16" WITH SMT
C13 SECTION • NOT TO SCALE 316-0104B
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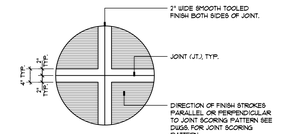

CONCRETE WALK AND FINISHED PAD
C13 SECTION • NOT TO SCALE 320-2101
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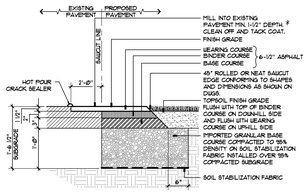

HEAVY DUTY ASPHALT PAVEMENT = HDA
C13 SECTION • NOT TO SCALE 320-0101C
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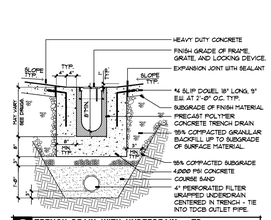

TRENCH DRAIN WITH UNDERDRAIN = TD
C13 SECTION • NOT TO SCALE 3340-2004A
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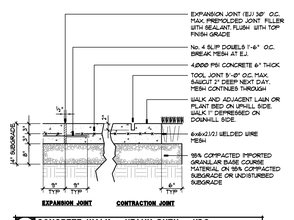

CONCRETE WALK - HEAVY DUTY = HDC
C13 SECTION • NOT TO SCALE 320-3203
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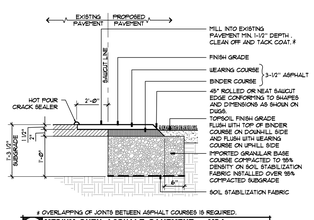

MEDIUM DUTY ASPHALT PAVEMENT = MDA
C13 SECTION • NOT TO SCALE 320-0101B
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REGISTERED LANDSCAPE ARCHITECT JOHN MICHAEL IEMMA 002097 STATE OF NEW YORK
EXP. 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
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7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

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REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	BM		
CHECKED BY	CJ		
SCALE	AS SHOWN		
PROJECT NO.	2154		

DRAWING TITLE
LAYOUT PLAN
BOSTWICK
FIELD
PARKING LOTS

DRAWING NO.
C113

TRACK LAYOUT CALCULATIONS

MEASURE LINE CALCULATIONS AND ASSUMPTIONS UTILIZED IN NEW LAYOUT. VERIFY PRIOR TO COMMENCEMENT ONCE RADIUS MONUMENTS ARE LOCATED. NOTIFY ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY.

METER = 328.083 FEET
400 METERS = 1312.3356 FEET = MINIMUM MEASURE LINE
STRAIGHT LINES OF TRACK (BETWEEN PC & PT) = 328.085' FIELD VERIFY
TANGENT LINE = 328.085' FIELD VERIFY
RADIUS = R = 104.433' FIELD VERIFY
2π R + 2 TANGENT = 1312.341' MIN.

LAYOUT PLAN - BOSTWICK FIELDS - BASE BID

NORTH

0 10 20 40 60
SCALE IN FEET

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
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REGISTERED LANDSCAPE ARCHITECT
JOSEPH MICHAEL TERRY
002097
STATE OF NEW YORK
EXP. 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

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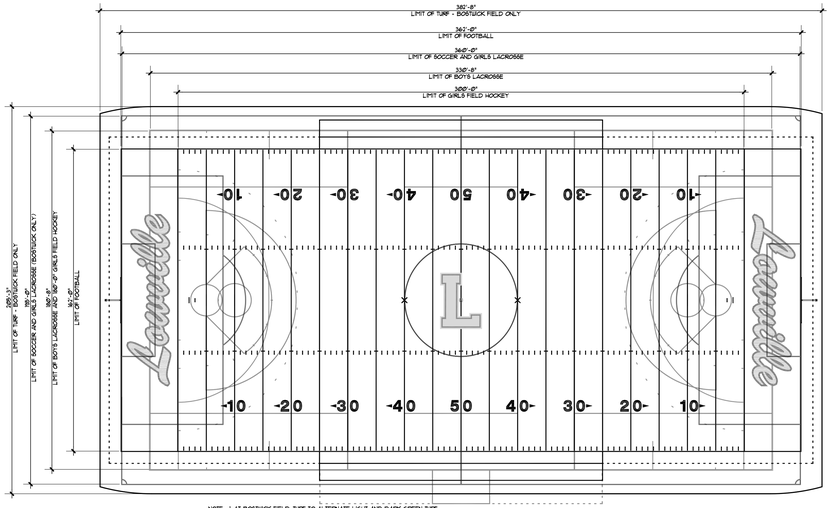
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2154

DRAWING TITLE
LAYOUT PLAN
BOSTWICK
FIELD TRACK
AREA BASE
BID

DRAWING NO.
C114



NOTE: 1. AT BOSTWICK FIELD, TURF TO ALTERNATE LIGHT AND DARK GREEN TURF EVERY 10 YARDS FROM FOOTBALL GOAL LINE TO GOAL LINE. TURF COLOR FROM SOCCER BOUNDARY TO EDGE OF TURF SHALL BE RED.
2. SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

FIELD COMPOSITE LAYOUT
PLAN • NOT TO SCALE 3238-513
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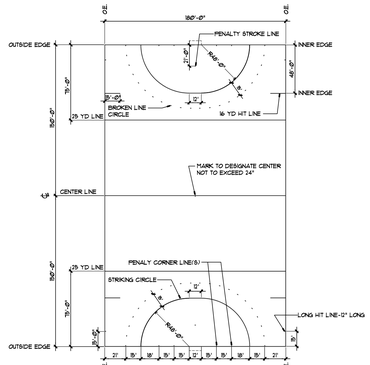

NOTE:
1. ALL LINES SHALL BE 3" WIDE, IN-LAID TURF, COLOR AS SPECIFIED OR AS CHOSEN BY OWNER.
2. ALL LINES, LAYOUTS AND DIMENSIONS TO MEET NFHS STANDARDS AND APPROVAL OF OWNER.
3. SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

FIELD HOCKEY
PLAN • NOT TO SCALE 3238-510
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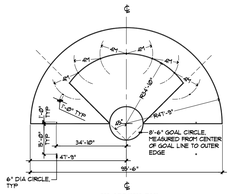

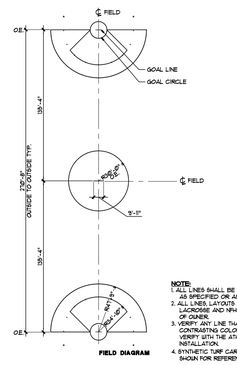

NOTE:
1. ALL LINES SHALL BE 4" WIDE, IN-LAID TURF, COLOR AS SPECIFIED OR AS CHOSEN BY OWNER.
2. ALL LINES, LAYOUTS AND DIMENSIONS TO MEET US LACROSSE AND NFHS STANDARDS AND APPROVAL OF OWNER.
3. GOAL LINE TO GOAL LINE THAT ENTERS THE END ZONE IS A CONTRASTING COLOR AS CHOSEN BY THE OWNER. VERIFY WITH THE ATHLETIC DIRECTOR PRIOR TO INSTALLATION.
4. SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

WOMEN'S LACROSSE LAYOUT
PLAN • NOT TO SCALE 3238-509
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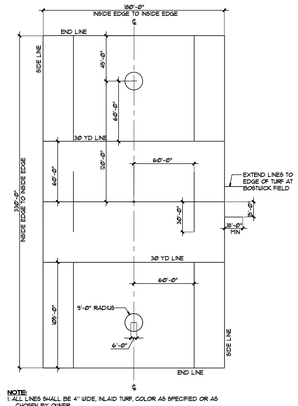

NOTE:
1. ALL LINES SHALL BE 4" WIDE, IN-LAID TURF, COLOR AS SPECIFIED OR AS CHOSEN BY OWNER.
2. ALL LINES, LAYOUTS AND DIMENSIONS TO MEET NFHS STANDARDS AND APPROVAL OF OWNER.
3. ALONG BOTH SIDES OF THE FOOTBALL 30 YARD LINE PROVIDE 2" OF IN-LAID TURF COLOR AS SPECIFIED OR AS CHOSEN BY THE OWNER. VERIFY WITH THE ATHLETIC DIRECTOR PRIOR TO INSTALLATION.
4. PROVIDE PENALTY AREA LINE MARKINGS AS DIRECTED BY THE OWNER.
5. SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

MENS LACROSSE FIELD
PLAN • NOT TO SCALE 3238-508
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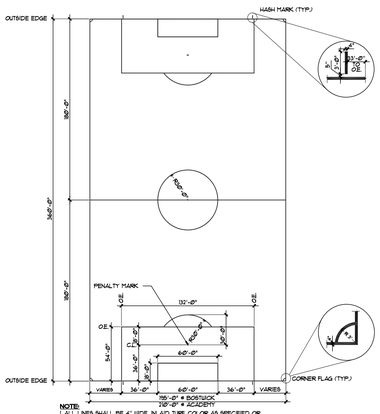

NOTE:
1. ALL LINES SHALL BE 4" WIDE, IN-LAID TURF, COLOR AS SPECIFIED OR AS CHOSEN BY OWNER.
2. ALL LINES, LAYOUTS AND DIMENSIONS TO MEET NFHS STANDARDS AND APPROVAL OF OWNER.
3. VERIFY ANY LINE THAT ENTERS THE END ZONE IS A CONTRASTING COLOR AS CHOSEN BY THE OWNER. VERIFY WITH THE ATHLETIC DIRECTOR PRIOR TO INSTALLATION.
4. SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

SOCCER FIELD
PLAN • NOT TO SCALE 3238-507
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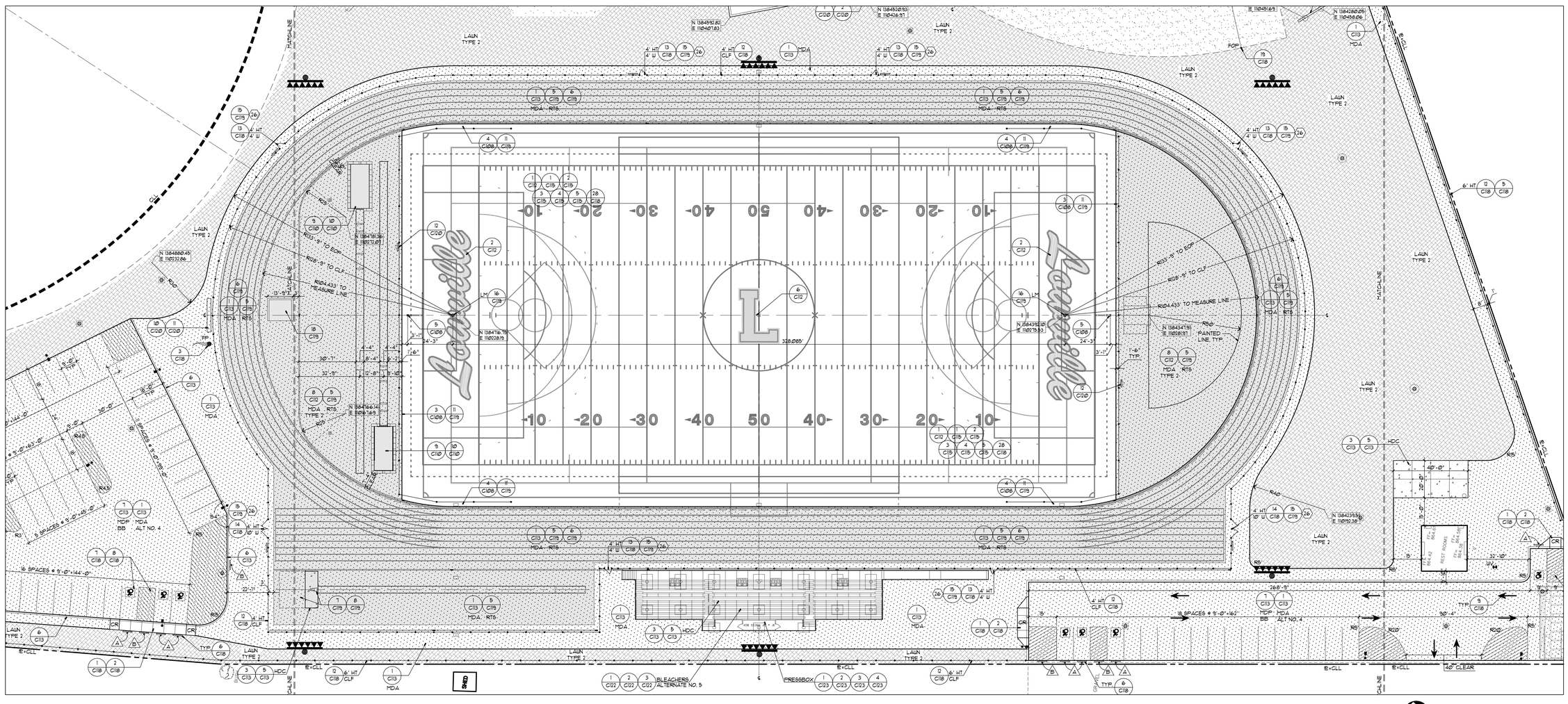

LAYOUT PLAN - BOSTWICK FIELDS - SYNTHETIC TURF FIELD ALTERNATE NO. 1 AND BLEACHER CAPACITY ALTERNATE NO. 5

NORTH 0 10 20 40 60 SCALE IN FEET

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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.1344
marchassoc.com

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CORY MICHAEL TERRY
002097
STATE OF NEW YORK
EXP. 09/30/2025

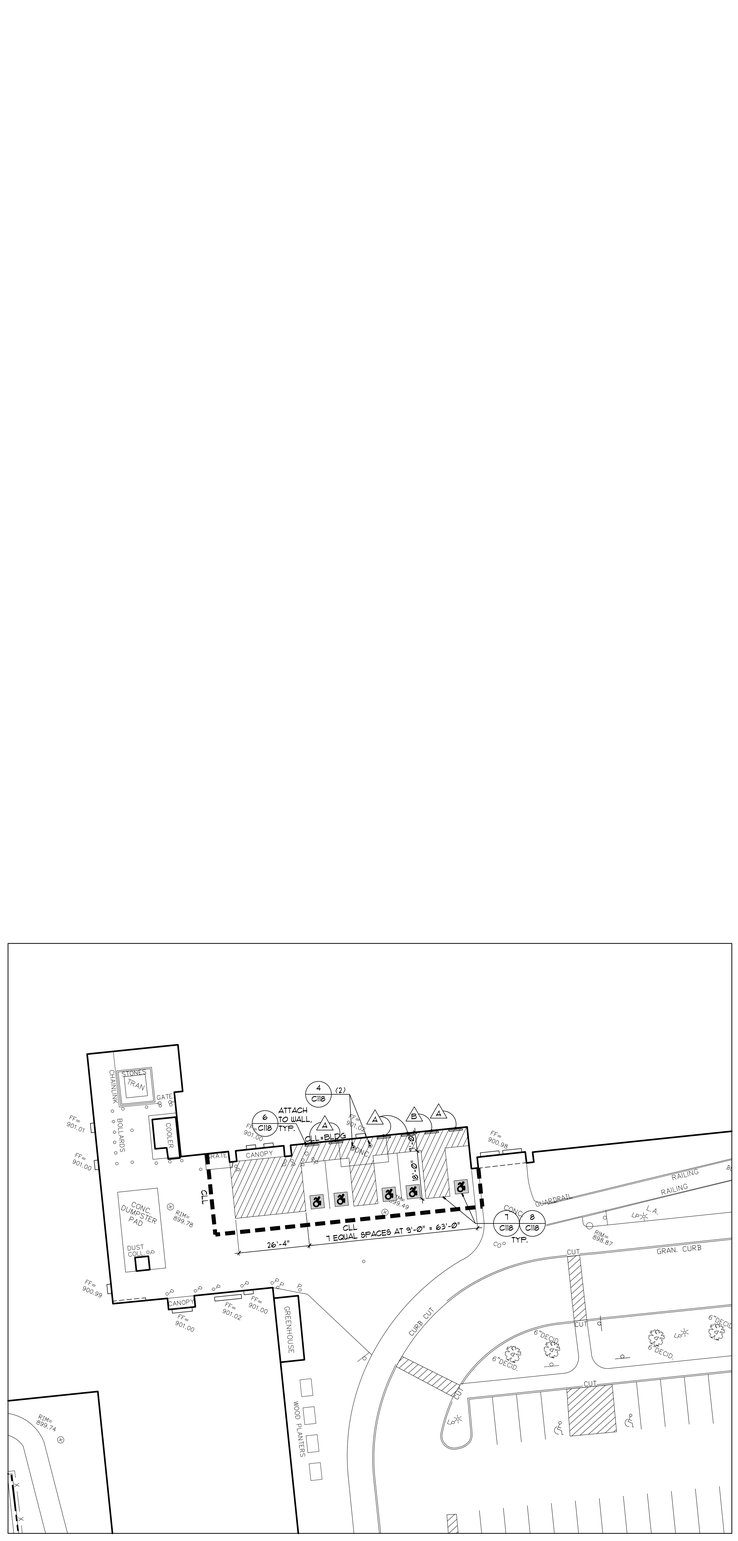
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	BM
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2154

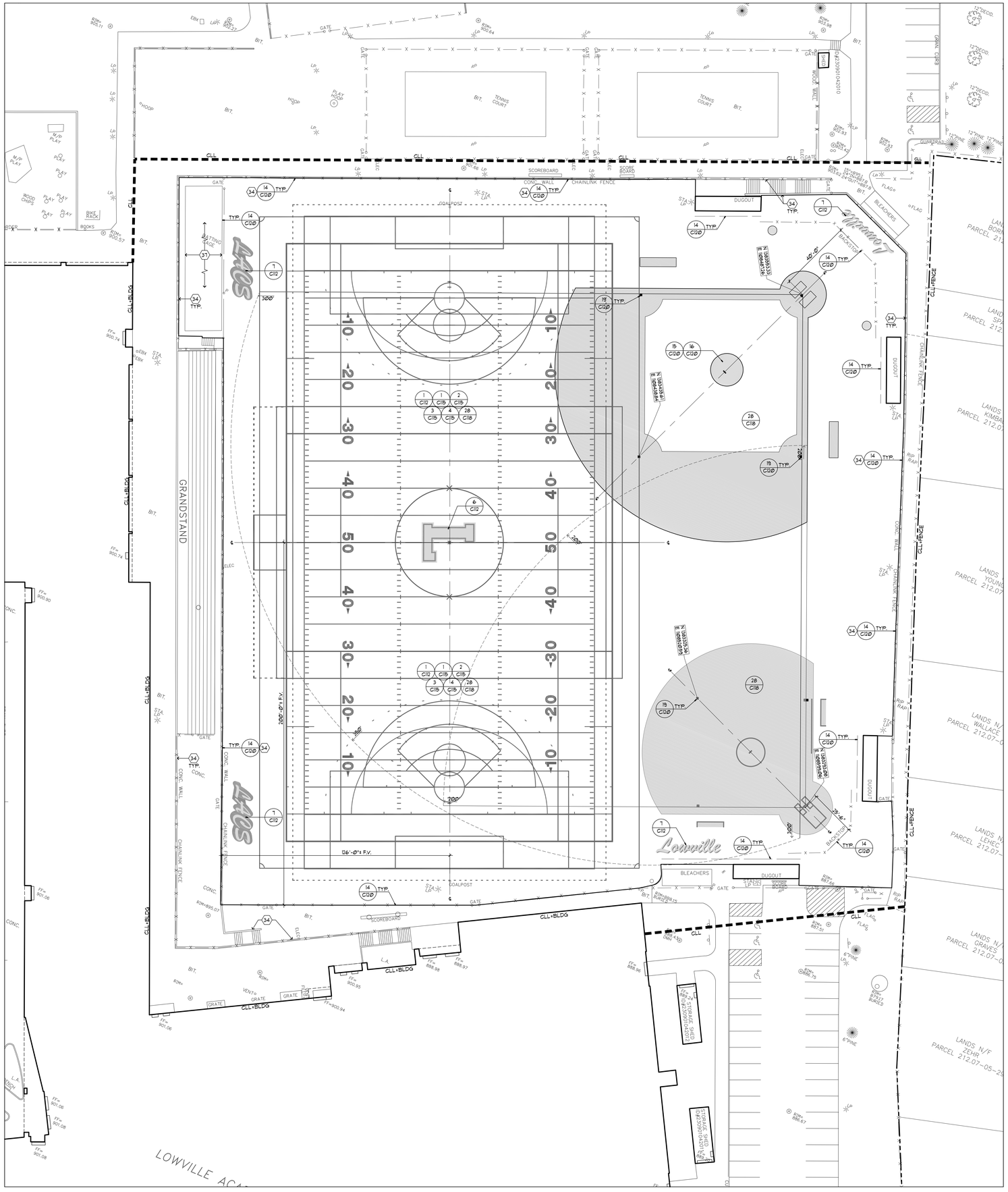
DRAWING TITLE
LAYOUT PLAN BOSTWICK ALTERNATE NO. 1 AND NO. 5

DRAWING NO.
C115



LAYOUT PLAN - BOLLARDS AT CAFETERIA

NORTH SCALE IN FEET 0 10 20



LAYOUT PLAN - LOWVILLE ACADEMY FIELD

NORTH 0 10 20 40 60 SCALE IN FEET

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ARCHITECTS & PLANNERS, PC
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Utica, NY 13502
315.733.2244
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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT

7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

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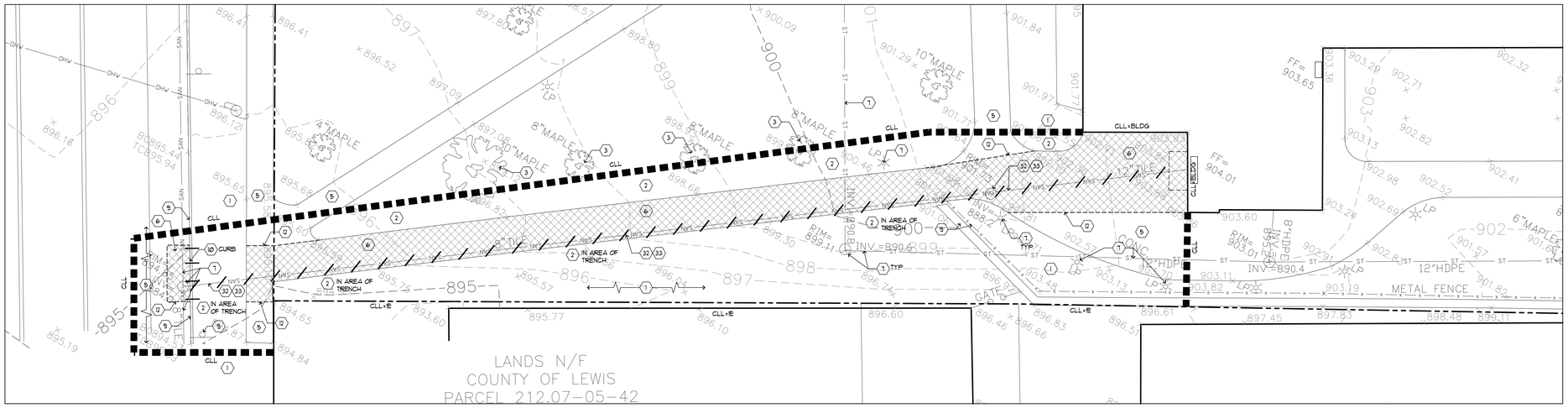
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	BMT		
CHECKED BY	CJ		
SCALE	AS SHOWN		
PROJECT NO.	2154		

DRAWING TITLE
LAYOUT PLAN
LOWVILLE
ACADEMY

DRAWING NO.
C116



SITE PREPARATION PLAN - LOWVILLE ACADEMY SANITARY IMPROVEMENTS - ALTERNATE NO. 7

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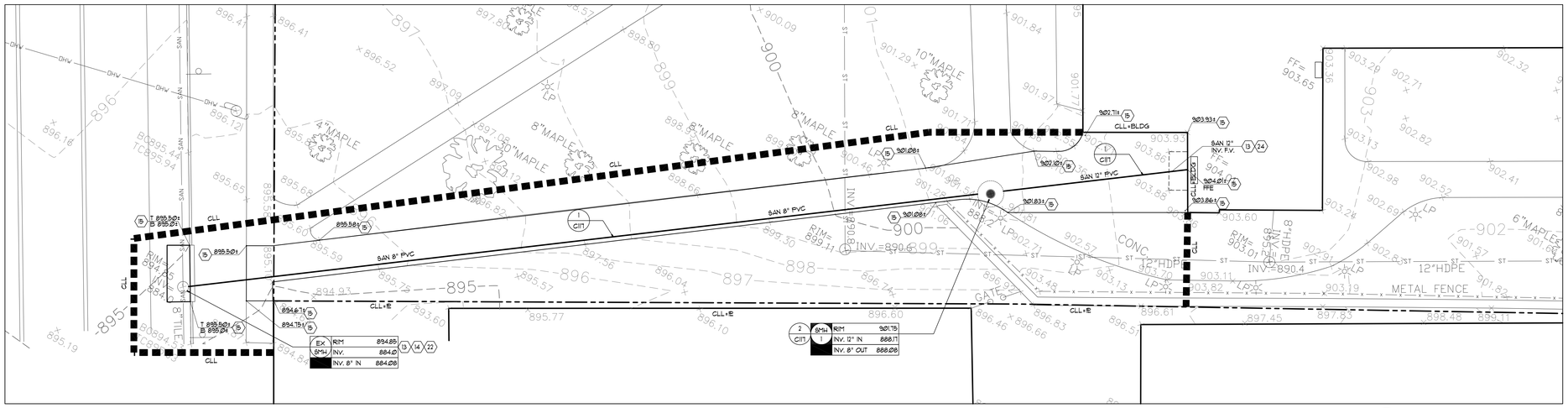

GRADING, DRAINAGE AND UTLITY PLAN - LOWVILLE ACADEMY SANITARY IMPROVEMENTS - ALTERNATE NO. 7

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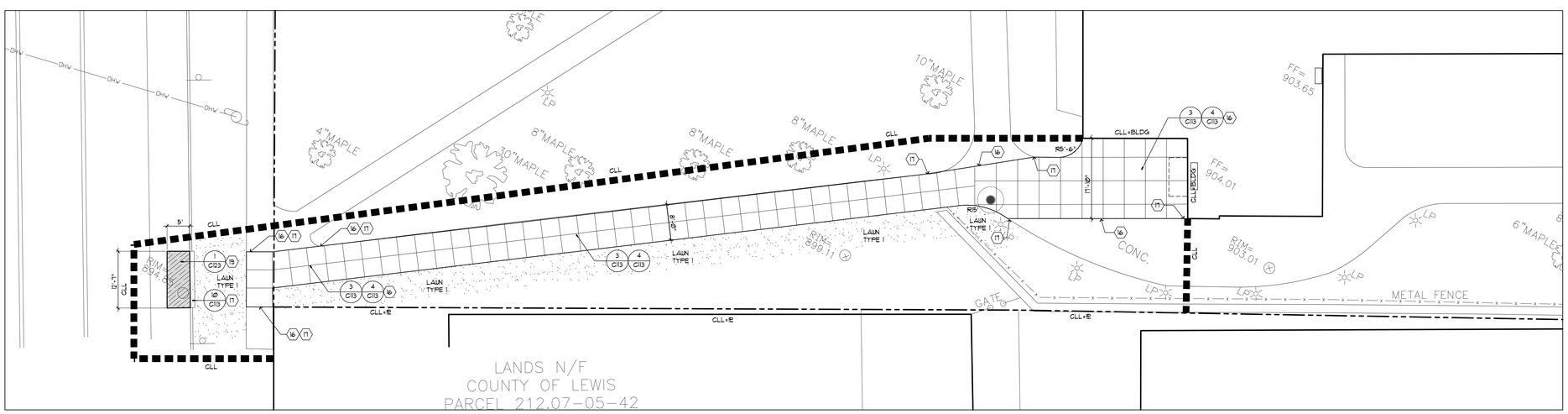
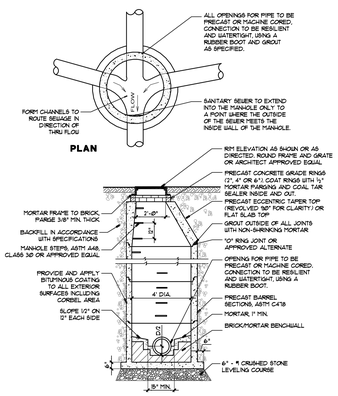


LAYOUT PLAN - LOWVILLE ACADEMY SANITARY IMPROVEMENTS - ALTERNATE NO. 7

NORTH 0 5 10 20 30 SCALE IN FEET



NOTES:
ALL FRAMES AND COVERS WILL BE ADEQUATE TO BEAR H-20 WHEEL LOADS.

4 C117 **SANITARY MANHOLE**
SECTION • NOT TO SCALE 292-03

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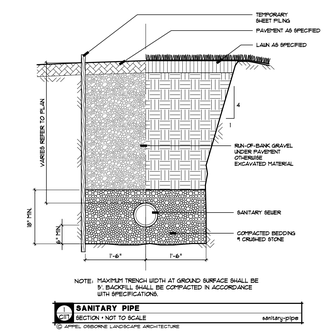

NOTE: MAXIMUM TRENCH WIDTH AT GROUND SURFACE SHALL BE 9'. BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH SPECIFICATIONS.

5 C117 **SANITARY PIPE**
SECTION • NOT TO SCALE sanitary-pipe

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MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
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Utica, NY 13502
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JOHN MICHAEL YERKES
000291
STATE OF NEW YORK
Exp. 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY		BM	
CHECKED BY		CJ	
SCALE		AS SHOWN	
PROJECT NO.		2184	

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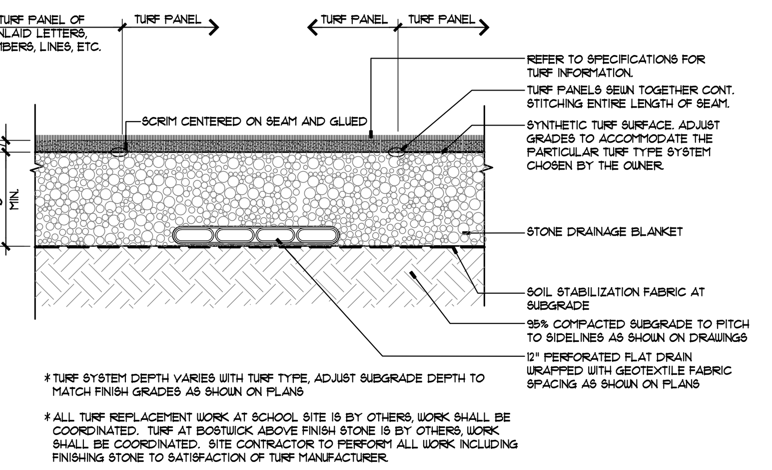
SITE SANITARY IMPROVEMENTS - LOWVILLE ACADEMY ALTERNATE NO. 7

DRAWING NO.
C117



* TURF SYSTEM DEPTH VARIES WITH TURF TYPE, ADJUST SUBGRADE DEPTH TO MATCH FINISH GRADES AS SHOWN ON PLANS

* ALL TURF REPLACEMENT WORK AT SCHOOL SITE IS BY OTHERS, WORK SHALL BE COORDINATED. TURF AT BOSTWICK ABOVE FINISH STONE IS BY OTHERS, WORK SHALL BE COORDINATED. SITE CONTRACTOR TO PERFORM ALL WORK INCLUDING FINISHING STONE TO SATISFACTION OF TURF MANUFACTURER.

28 C118 ARTIFICIAL TURF
SECTION • NOT TO SCALE 275-701
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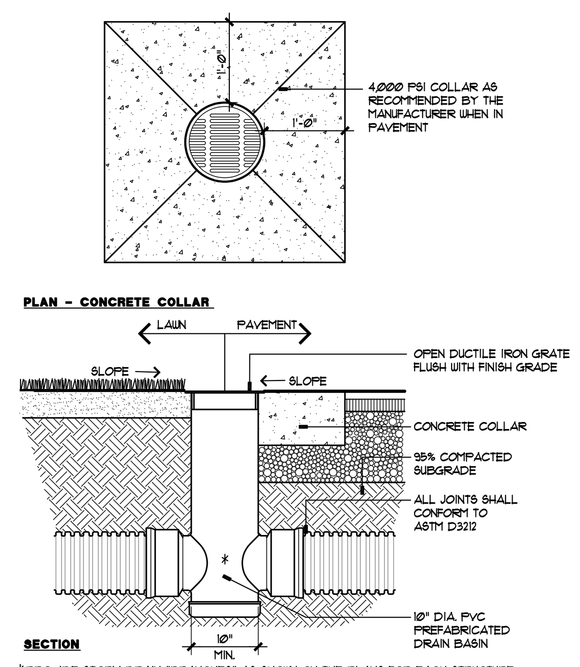

* PROVIDE STORM DRAIN "BRANCHES" AS SHOWN ON THE PLANS FOR EACH STRUCTURE

27 C118 10" PVC DRAIN BASIN – FLUSH TOP
SECTION and PLAN • NOT TO SCALE 3340-204C
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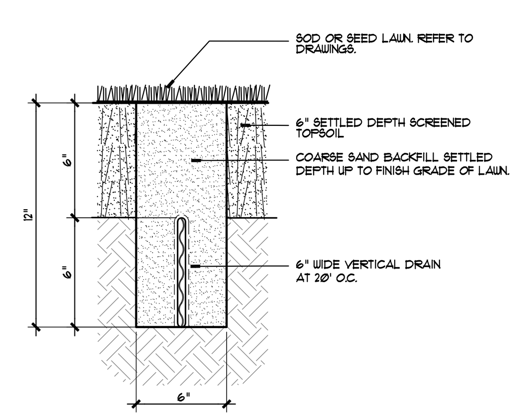

26 C118 VERTICAL DRAIN TRENCH = V-DRAIN
SECTION • NOT TO SCALE JDRAIN-VERT
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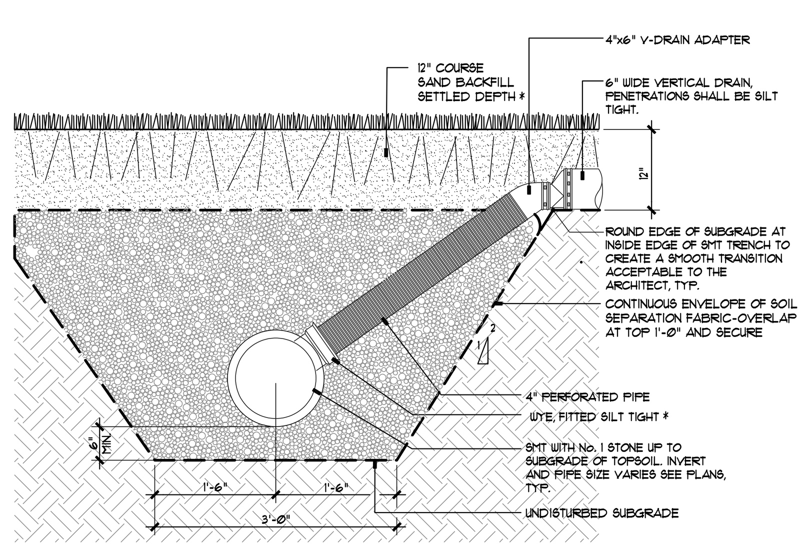

* 6" MODIFIED TOPSOIL BETWEEN TRENCHES AS SHOWN ON PLANS.

25 C118 VERTICAL DRAIN / SMT CONNECTION DETAIL
SECTION • NOT TO SCALE VDRAIN-SMT DETAIL
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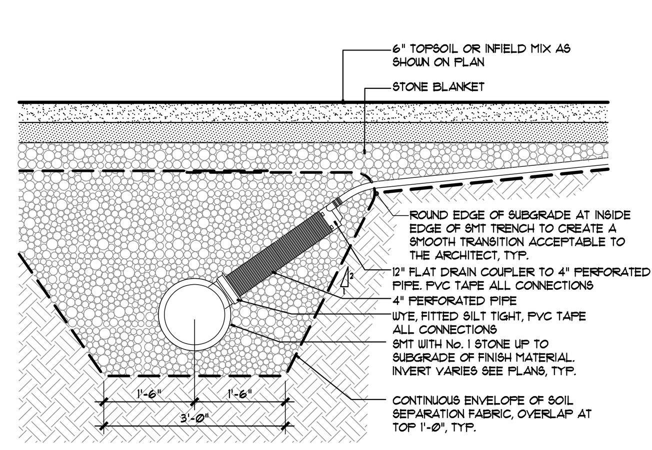

24 C118 F-DRAIN / SMT CONNECTION DETAIL
SECTION • NOT TO SCALE FDRAIN-SMT INFIELD
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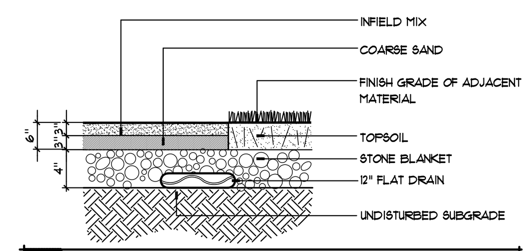

23 C118 SKINNED INFIELD MIX W/ FDRAIN
SECTION • NOT TO SCALE 275-554
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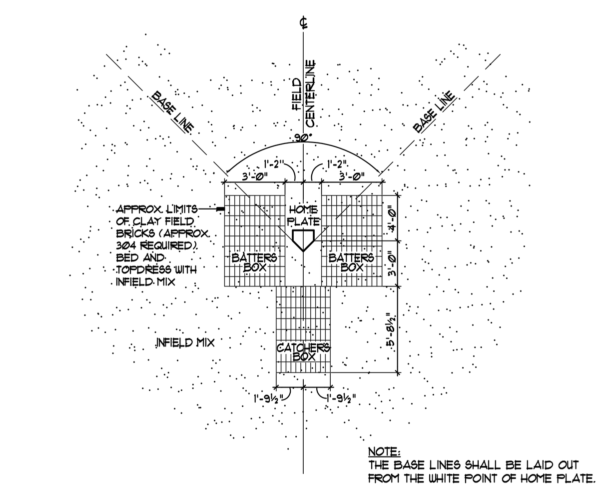

22 C118 FIELD BRICKS AT SOFTBALL HOME PLATE
SECTION • NOT TO SCALE 3230-502C
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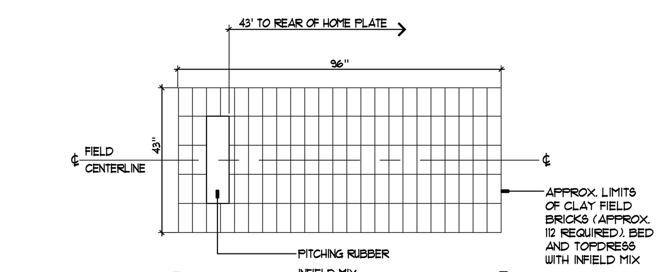

21 C118 FIELD BRICKS AT SOFTBALL PITCHER'S CIRCLE
PLAN • NOT TO SCALE 3230-502B
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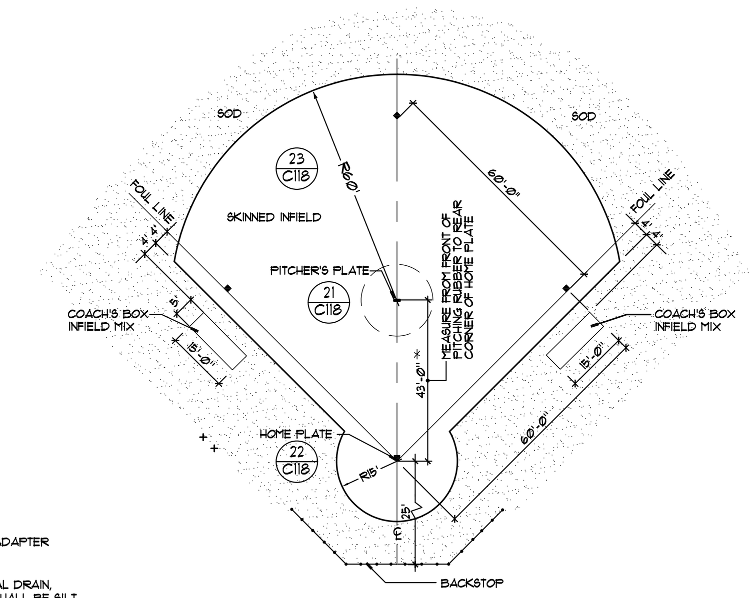

* NOTE:
1. VERIFY LAYOUT AND DIMENSIONS WITH SCHOOL'S ATHLETIC DIRECTOR, PRIOR TO INSTALLATION.
2. BASES, PITCHER'S RUBBER, AND HOME PLATE FURNISHED AND INSTALLED BY CONTRACTOR.
3. DISTANCE FROM PITCHER'S RUBBER TO HOME PLATE IS 43'-0".
4. SINCE LITTLE MOISTURE WILL DRAIN VERTICALLY THROUGHOUT THE CLAY BASE INFIELD MIXTURE, PROPER HORIZONTAL PLANARITY OF THE SUBGRADE IS CRITICAL TO ELIMINATE POCKETING OF WATER (PUDDLING) AT THE SUBGRADE. VERIFY GRADE OF INFIELD AS SPECIFIED.
5. INSTALL CLAY INFIELD AND GRASS PERIMETER AT PROPER FINISH GRADE TO ENSURE WATER PITCHES FROM CLAY INFIELD INTO GRASS WITH NO LIP.

20 C118 SOFTBALL SKINNED INFIELD LAYOUT – VARSITY
PLAN • NOT TO SCALE 3230-502A
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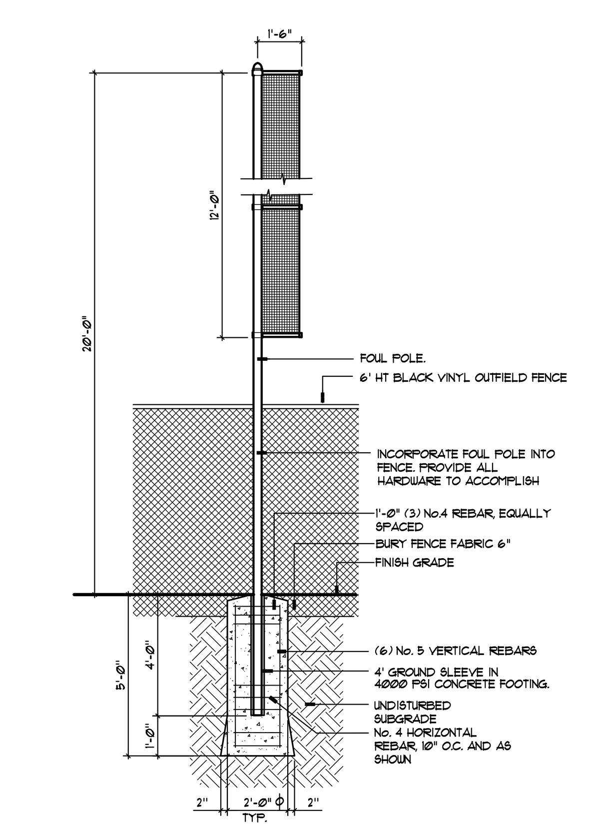

NOTE: PROVIDE HARDWARE TO TIE OUTFIELD FENCE INTO FOUL POLE

19 C118 FOUL POLE – FOP
SECTION • NOT TO SCALE 3230-503
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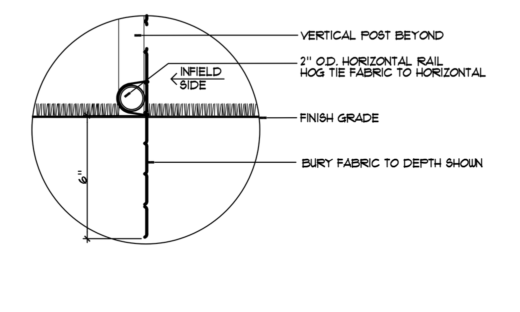

18 C118 BACKSTOP EDGE CONDITION
SECTION • NOT TO SCALE 275-006B
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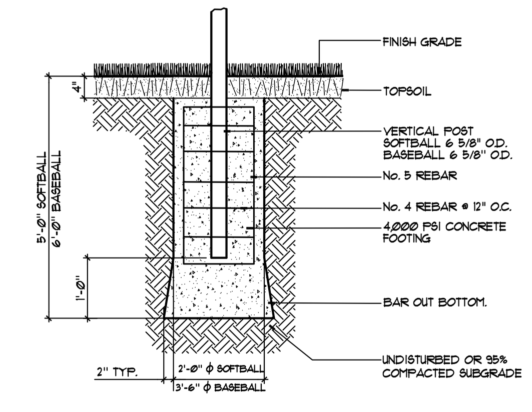

17 C118 SOFTBALL/BASEBALL BACKSTOP FOOTING
SECTION • NOT TO SCALE 275-006A
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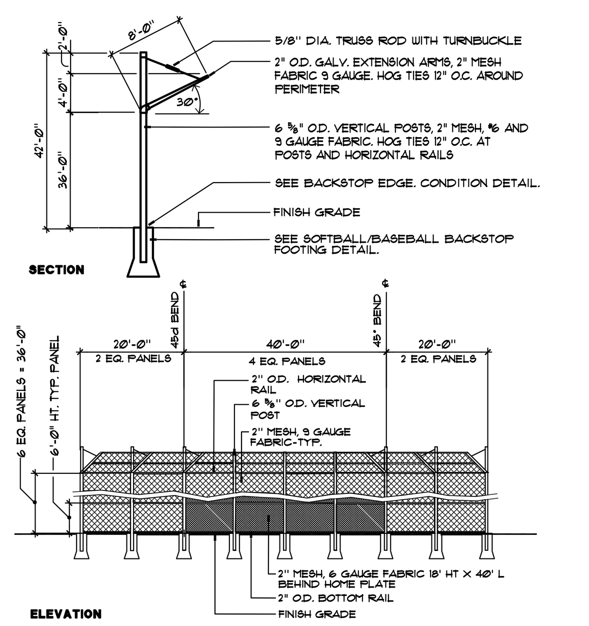

NOTES: 1. CHAIN LINK MESH SHALL HAVE KNUCKLED SELVAGES TOP AND BOTTOM.
2. BOTTOM OF FABRIC SHALL BE BURIED 6" BELOW FINISH GRADE.

16 C118 BASEBALL BACKSTOP WITH CANOPY – 42' HT.
SECTION • NOT TO SCALE 275-004A
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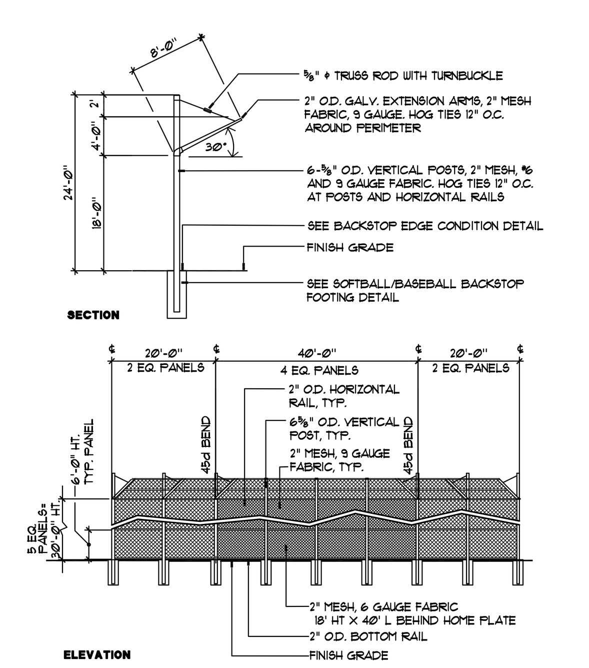

NOTES: 1. CHAIN LINK MESH SHALL HAVE KNUCKLED SELVAGES TOP AND BOTTOM
2. BOTTOM OF FABRIC SHALL BE BURIED 6" BELOW FINISH GRADE

15 C118 SOFTBALL BACKSTOP WITH CANOPY – 36' HEIGHT
SECTION • NOT TO SCALE 275-004B
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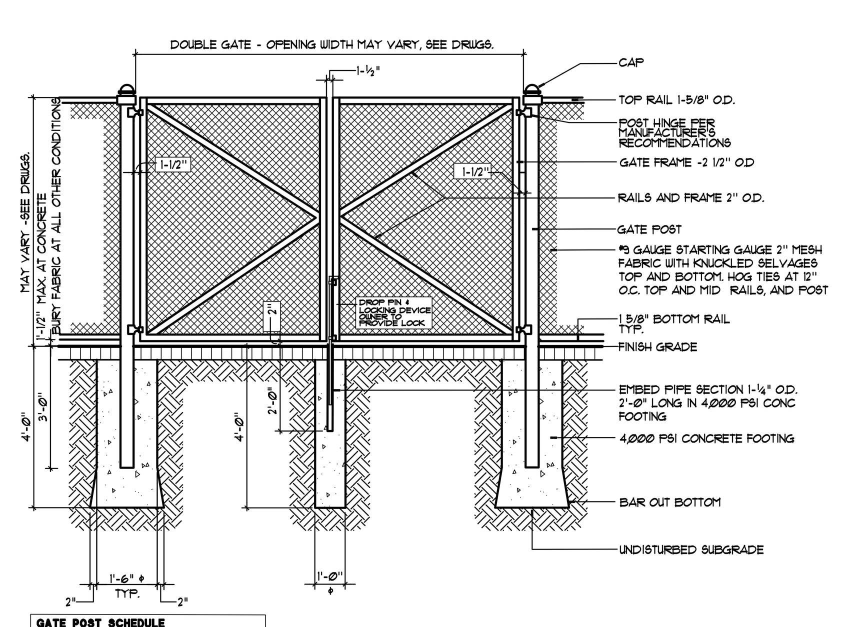

GATE POST SCHEDULE	
DOUBLE GATE WIDTH	POST OD.
6' TO 12'	3"

14 C118 BLACK VINYL CHAIN LINK FENCE GATE – DOUBLE WIDTH
SECTION • NOT TO SCALE 275-002A
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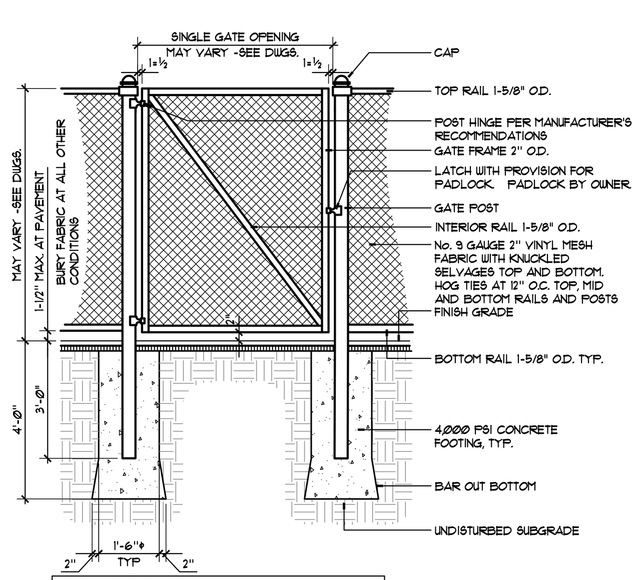

GATE POST SCHEDULE		
SINGLE GATE WIDTH	FABRIC HEIGHT	POST O.D.
4'-0"	4'-0"	3"
8', 10', 12'	4' - 10'	3"
8', 10', 12'	10' - 12'	4"

13 C118 VINYL CHAIN LINK FENCE GATE – SINGLE WIDTH
SECTION • NOT TO SCALE 275-003
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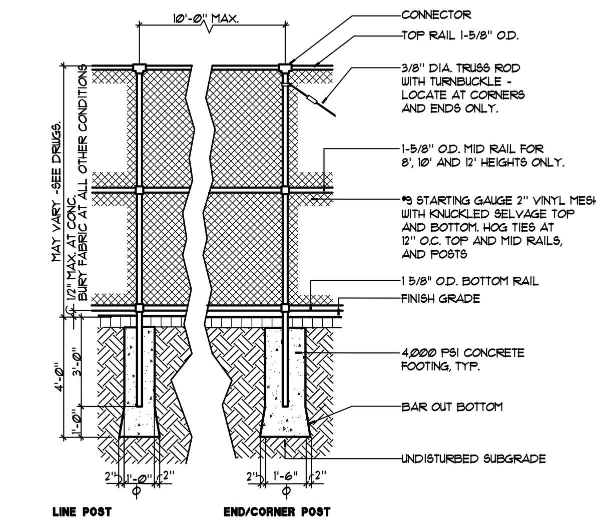

POST SCHEDULE		
FABRIC HEIGHT	LINE POST O.D.	END / CORNER POST O.D.
4' to 6'	2"	2 1/2"
8' to 12'	2 1/2"	3"

12 C118 VINYL CHAIN LINK FENCE = CLF
SECTION • NOT TO SCALE 275-001A
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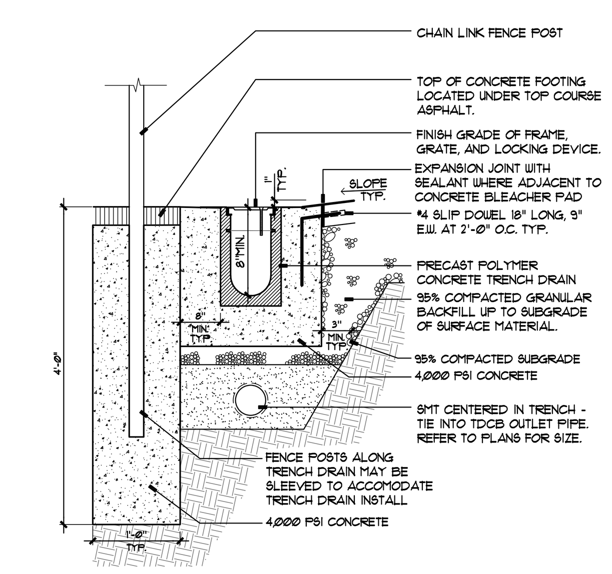
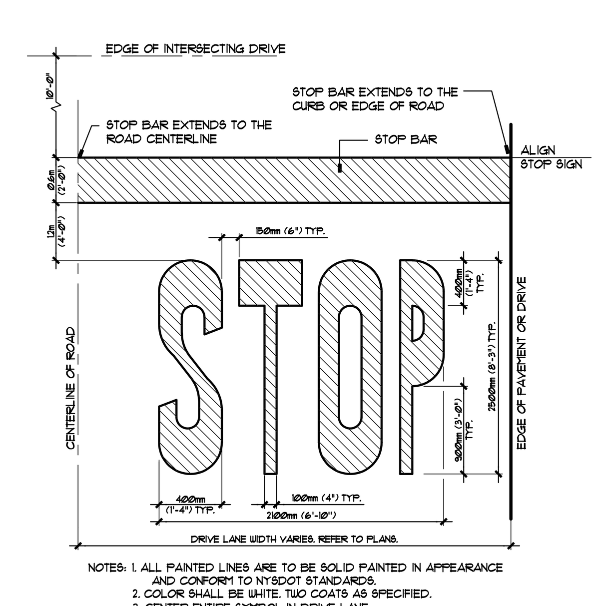


NOTE: TRENCHDRAIN CATCH BASIN CONDITION NOT SHOWN

11 C118 TRENCH DRAIN AT CLF FOOTINGS
SECTION • NOT TO SCALE TD-CLF FOOTING
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



NOTES: 1. ALL PAINTED LINES ARE TO BE SOLID PAINTED IN APPEARANCE AND CONFORM TO NYSDOT STANDARDS.
2. COLOR SHALL BE WHITE. TWO COATS AS SPECIFIED.
3. CENTER ENTIRE SYMBOL IN DRIVE LANE
4. LAYOUT ALL MARKINGS IN FIELD AND OBTAIN APPROVAL FROM OWNER AND ARCHITECT PRIOR TO PAINTING.
5. TEXT MARKING "STOP" SHALL BE CENTERED ON STOP BAR.
6. ALL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE NYS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)

10 C118 PAVEMENT MARKING – STOP BAR AND TEXT
PLAN • NOT TO SCALE 3230-012
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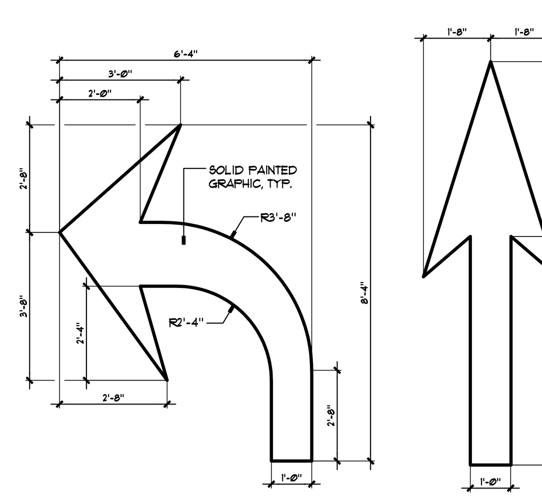

9 C118 NYSDOT PAINTED ARROWS
SECTION • NOT TO SCALE 3230-010C
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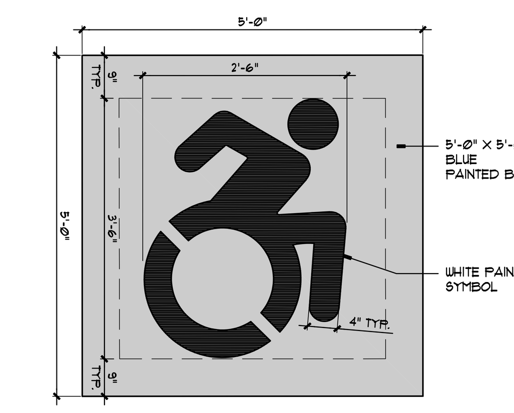

8 C118 PAINTED RESERVE PARKING SYMBOL
PLAN • NOT TO SCALE 3230-008A
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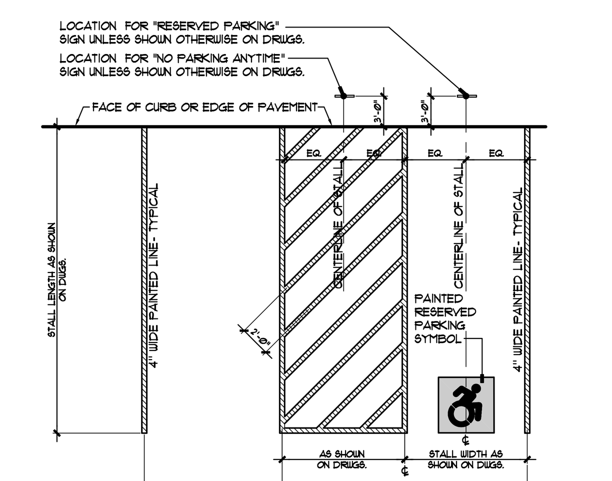

NOTE: ℄ = CENTERLINE OF PAINTED LINES AS SHOWN ON LAYOUT DRWGS.

7 C118 PARKING STALL MARKING-TYPICAL
SECTION • NOT TO SCALE 3230-009A
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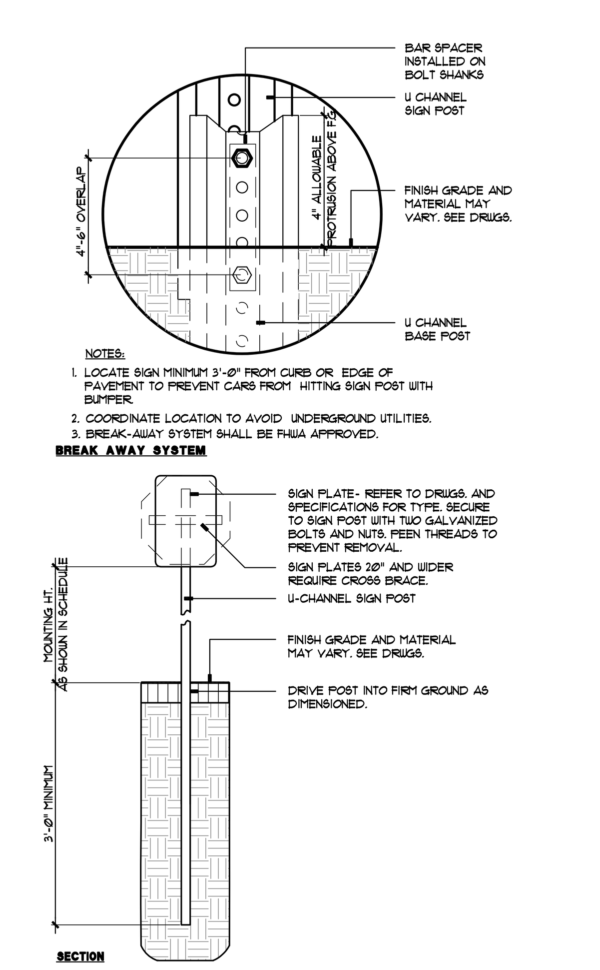

NOTES:
1. LOCATE SIGN MINIMUM 3'-0" FROM CURB OR EDGE OF PAVEMENT TO PREVENT CARS FROM HITTING SIGN POST WITH BUMPER.
2. COORDINATE LOCATION TO AVOID UNDERGROUND UTILITIES.
3. BREAK-AWAY SYSTEM SHALL BE FHWA APPROVED.

BREAK AWAY SYSTEM

	SIGN SCHEDULE	MOUNTING HEIGHT**
A	RESERVED HANDICAPPED PARKING	5'-0"
B	NO PARKING ANYTIME	5'-0"
C	STOP	7'-0"

**ALL DIMENSIONS ARE TO BOTTOM OF SIGN PLATE.

6 C118 TRAFFIC SIGN
SECTION • NOT TO SCALE 3230-003A
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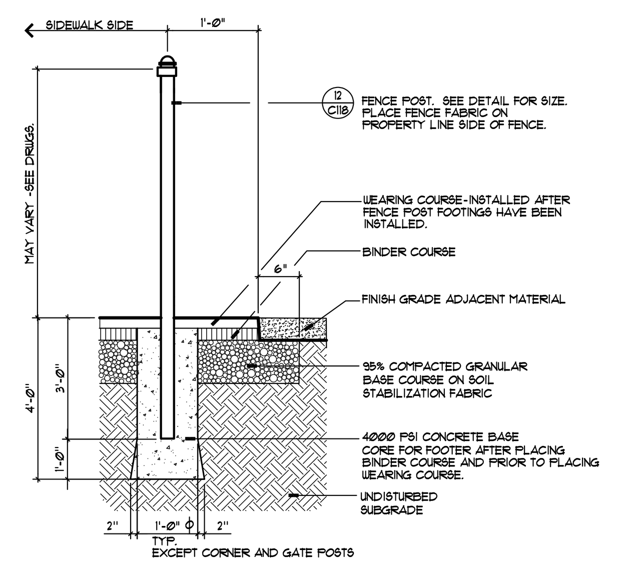

5 C118 FENCE POST AT ASPHALT EDGE
SECTION • NOT TO SCALE 275-003A
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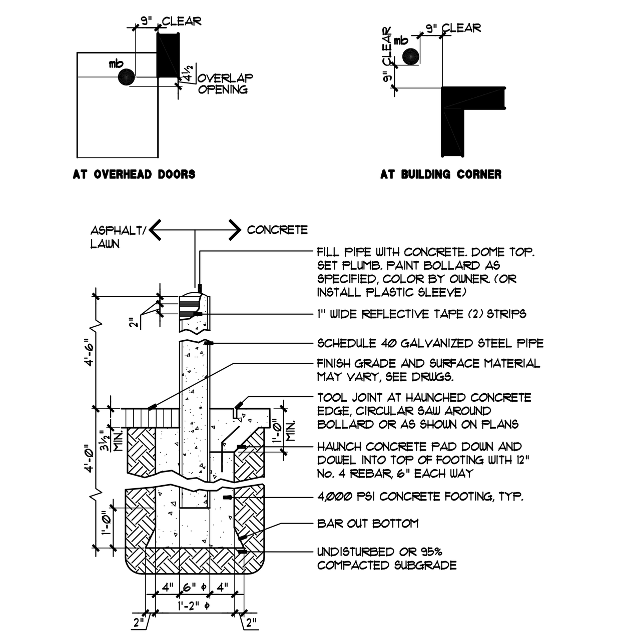

4 C118 METAL BOLLARD=MB
SECTION • NOT TO SCALE 3230-006A
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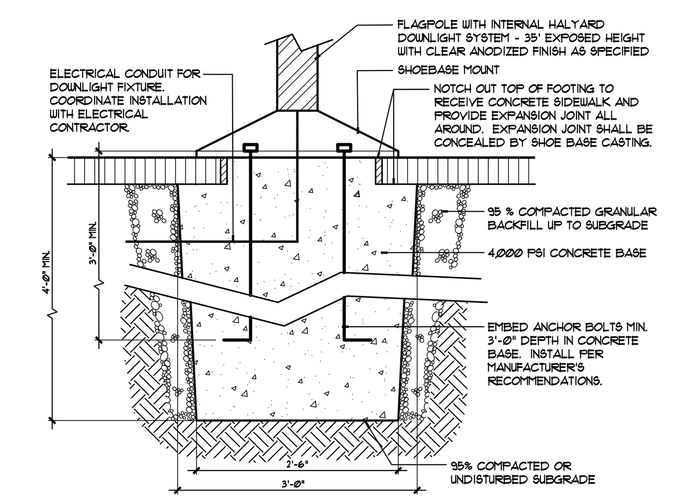

NOTE: FLAGPOLE HAS INTEGRAL DOWNLIGHTING SYSTEM. COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR.

3 C118 FLAGPOLE BASE = FP
SECTION • NOT TO SCALE 3230-002D
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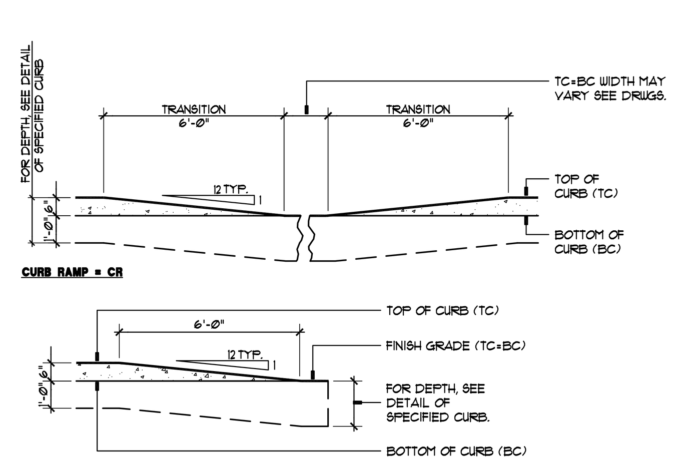

2 C118 CURB RAMP AND CURB ENDING = CR/CE
SECTION • NOT TO SCALE 3213-002
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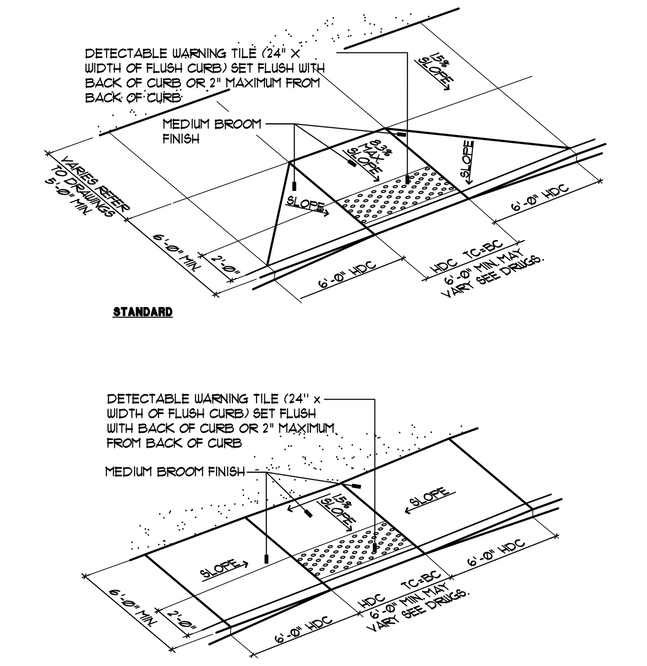

1 C118 CURB RAMP WITH DETECTABLE WARNING SYSTEM
AXONOMETRIC • NOT TO SCALE 3213-001
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MA
MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.3344
marchassoc.com

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REGISTERED LANDSCAPE ARCHITECT
CORY MICHAEL JENNER
002097
STATE OF NEW YORK
EXP. 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

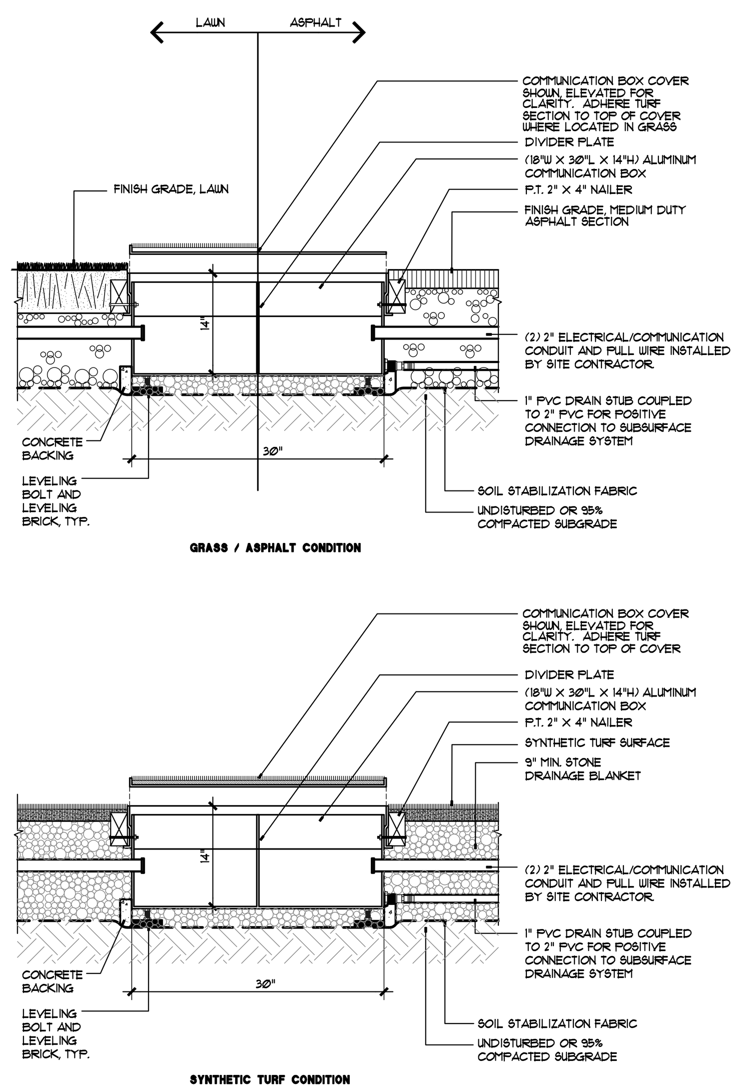
NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	BM
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2194

DRAWING TITLE
SITE DETAILS

DRAWING NO.
C118



* NOTE: COMMUNICATION BOXES ARE PROVIDED BY THE SITE CONTRACTOR. TRENCHING, BACKFILL AND COMPACTION ARE THE RESPONSIBILITY OF THE SITE CONTRACTOR. CONDUIT SHALL BE PROVIDED BY THE SITE CONTRACTOR.

19 / C119 COMMUNICATIONS BOX W/ COVER
SECTION • NOT TO SCALE — 3230-212

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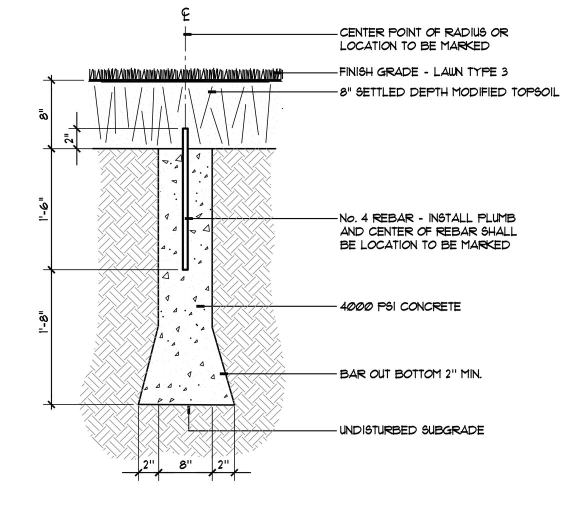

17 / C119 SUBSURFACE LOCATION MONUMENT GRASS = LM
SECTION • NOT TO SCALE — 275-508B

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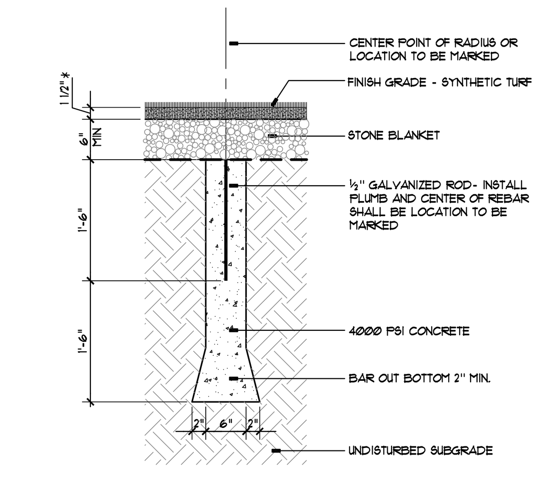

*DEPTH VARIES WITH TURF TYPE, SEE SPECIFICATIONS

16 / C119 SUBSURFACE LOCATION MONUMENT TURF = LM
SECTION • NOT TO SCALE — 275-508A

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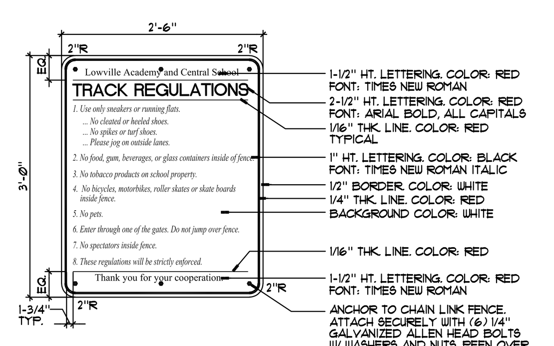

NOTE: PROVIDE FULL SIZE SHOP DRAWINGS FOR APPROVAL.
INSTALL SIGNS AS SHOWN ON PLANS. INSTALL ON FENCE AND ANCHOR SECURELY WITH VANDAL RESISTANT HARDWARE.
SIGNS SHALL BE ALUMINUM SHEETS .090" (APPROX. 3/32") THICK, WITH TWO COATS OF DUPONT IMRON SPRAY SEMIGLOSS PAINT.
LETTERS AND LINES SHALL BE ENGINEERING GRADE (EG) REFLECTIVE.

15 / C119 TRACK REGULATION SIGN
SECTION • NOT TO SCALE — 3230-216

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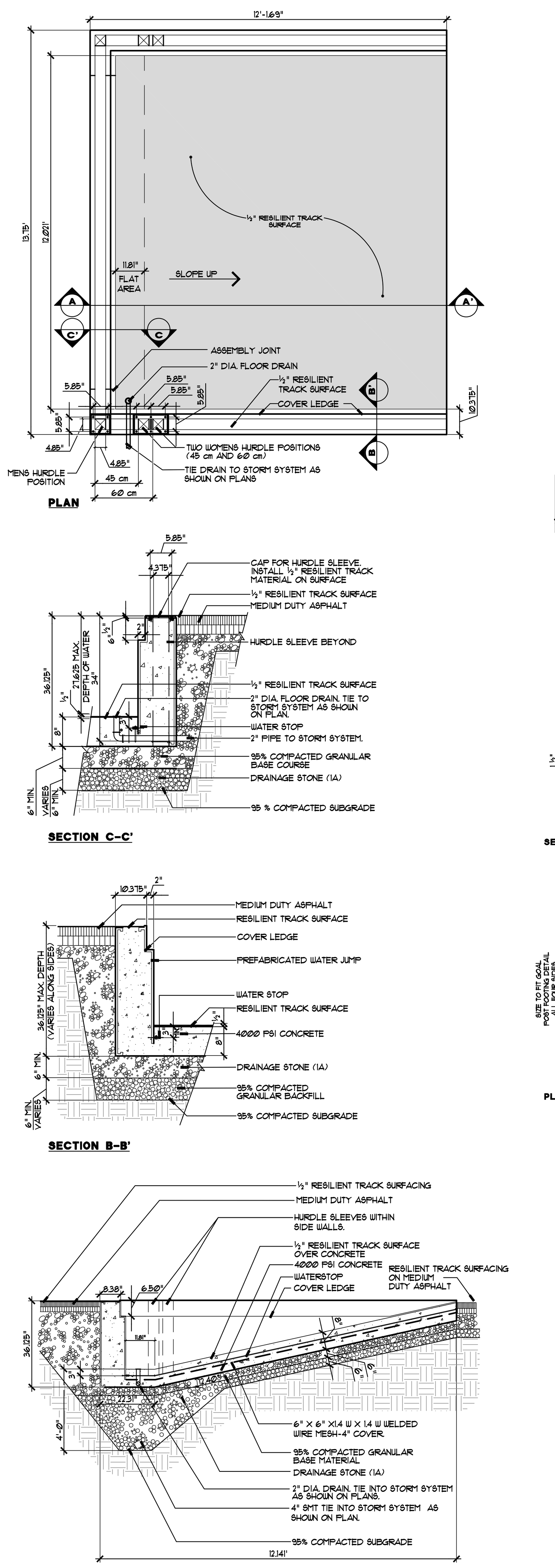

18 / C119 STEEPLE CHASE WATER JUMP PIT
VIEWS AS NOTED • NOT TO SCALE — 3230-210A

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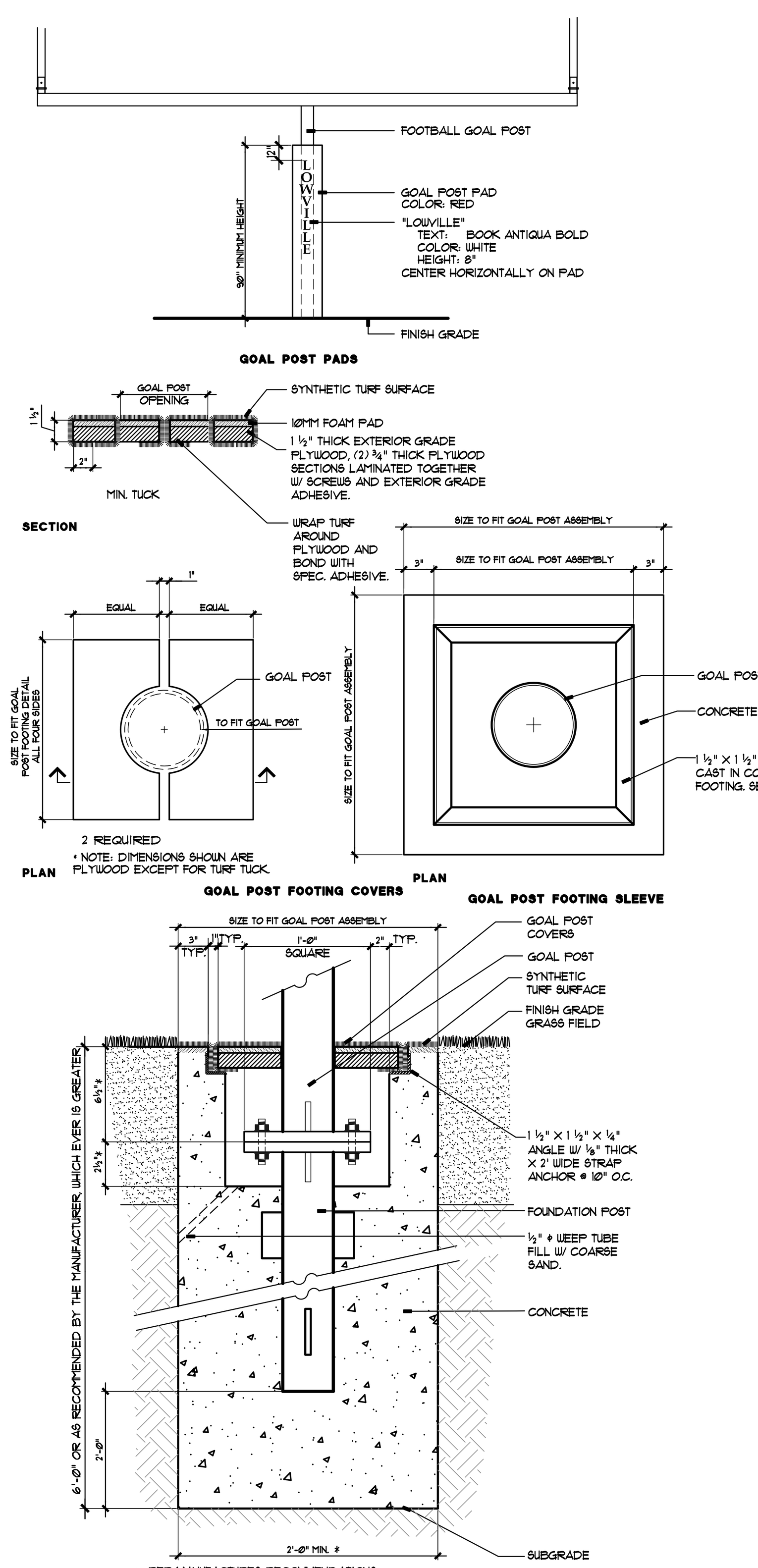

* PER MANUFACTURES RECOMMENDATIONS.

14 / C119 GOAL POST FOOTING
SECTION • NOT TO SCAL — 3230-506H

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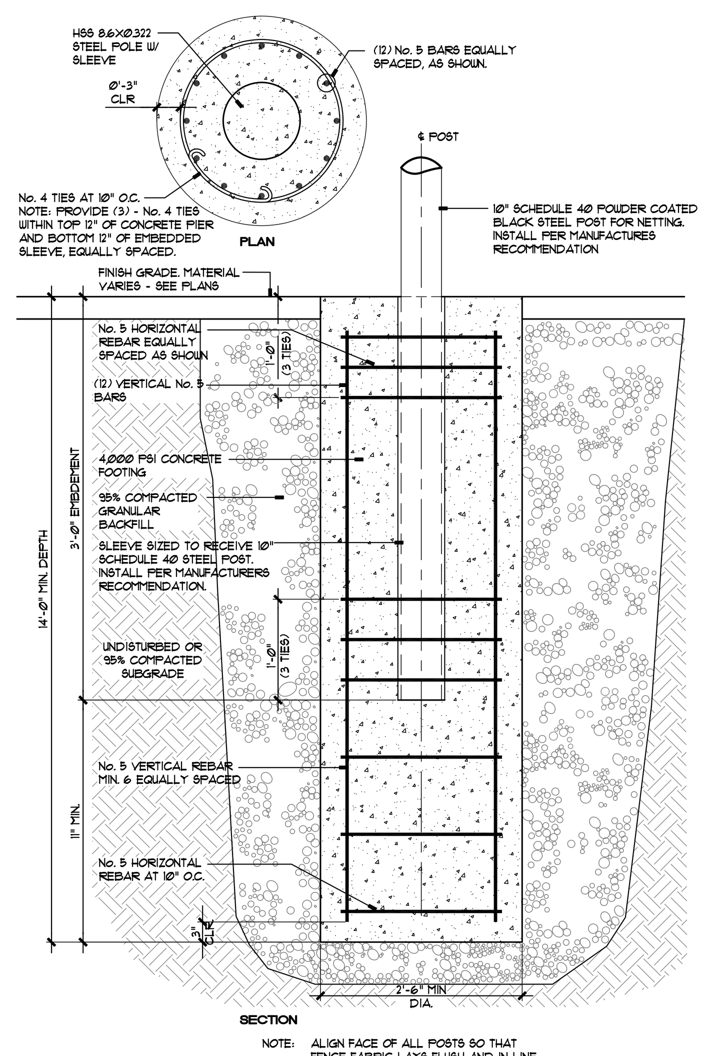

NOTE: ALIGN FACE OF ALL POSTS SO THAT FENCE FABRIC LAYS FLUSH AND IN LINE

13 / C119 SOFTBALL BASELINE NETTING SYSTEM FOOTING
SECTION • NOT TO SCALE — CanopyFooting

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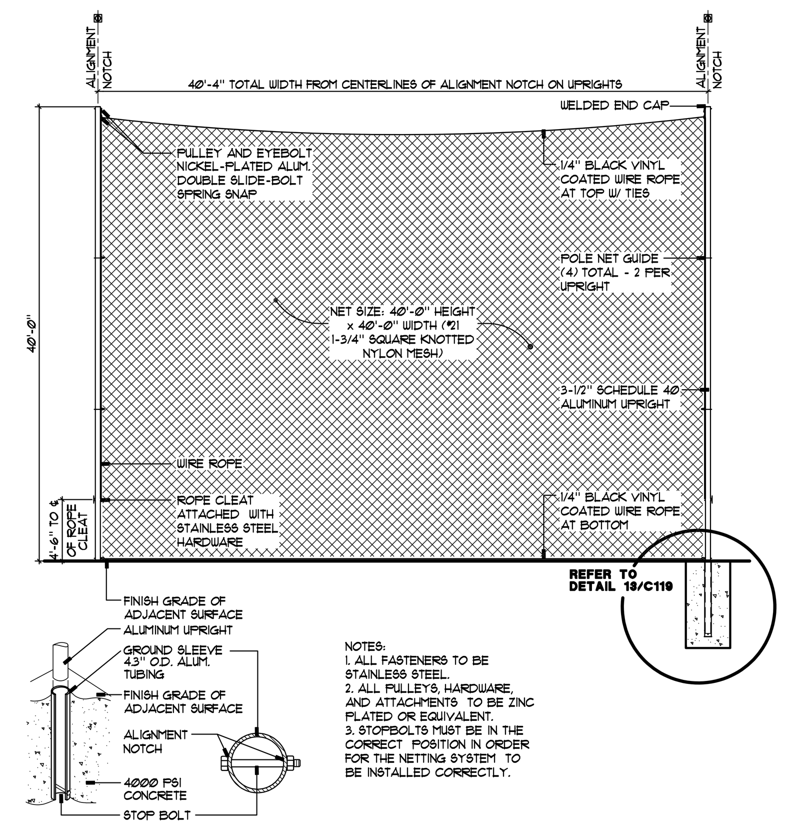
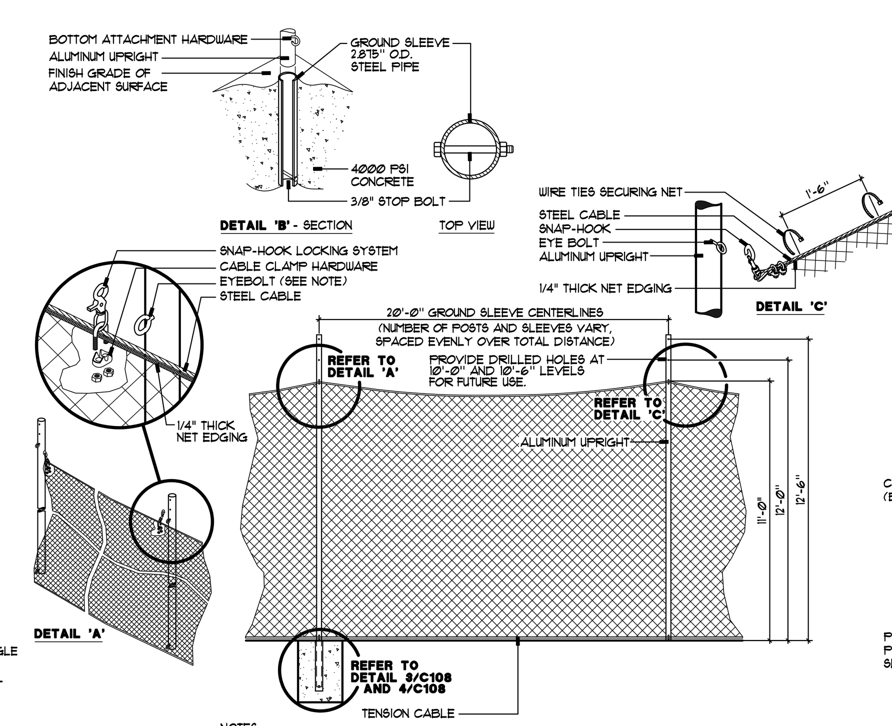


NOTES:
1. ALL FASTENERS TO BE STAINLESS STEEL.
2. ALL PULLEYS, HARDWARE, AND ATTACHMENTS TO BE ZINC PLATED OR EQUIVALENT.
3. STOPBOLTS MUST BE IN THE CORRECT POSITION IN ORDER FOR THE NETTING SYSTEM TO BE INSTALLED CORRECTLY.

12 / C119 SOFTBALL BASELINE NETTING SYSTEM - 40' HEIGHT
NOT TO SCALE — FOOTBALL-BACKSTOP

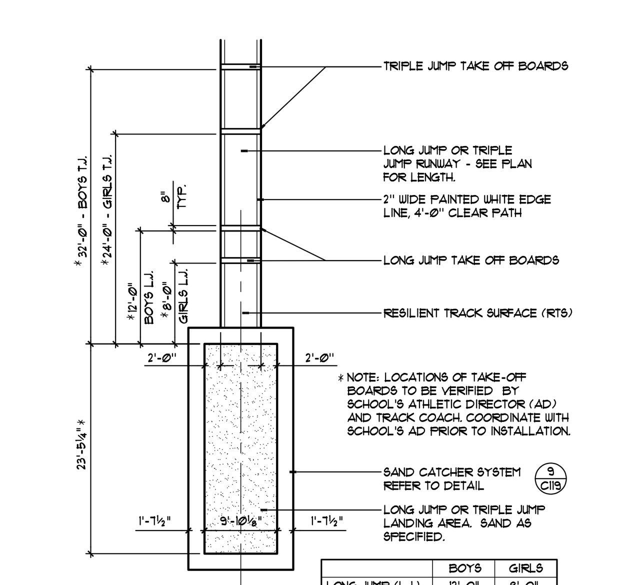
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



NOTES:
1. INSTALL INITIALLY AT 9'-6" HOLE, AS NET EXPANDS IN TIME OWNER WILL ADJUST TO HIGHER LOCATION.
2. NET SHALL BE LOCKED INTO PLACE ALONG THE ALUMINUM UPRIGHT AT THE TOP, BOTTOM AND CENTER.

11 / C119 LACROSSE BALL STOPPER SAFETY SYSTEM
NOT TO SCALE — LAX-STOP

© APPEL OSBORNE LANDSCAPE ARCHITECTURE



* NOTE: LOCATIONS OF TAKE-OFF BOARDS TO BE VERIFIED BY SCHOOL'S ATHLETIC DIRECTOR (AD) AND TRACK COACH. COORDINATE WITH SCHOOL'S AD PRIOR TO INSTALLATION.

	BOYS	GIRLS
LONG JUMP (L.J.)	12'-0"	8'-0"
TRIPLE JUMP (T.J.)	32'-0"	24'-0"

10 / C119 LONG JUMP/TRIPLE JUMP LANDING LAYOUT
PLAN • NOT TO SCALE — 3230-207A

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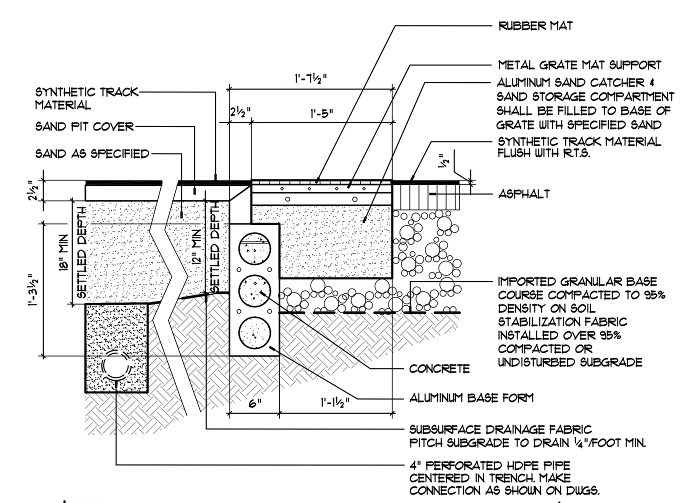

9 / C119 LONG JUMP PIT WITH SAND CATCHERS/COVERS
SECTION • NOT TO SCALE — 3230-207C

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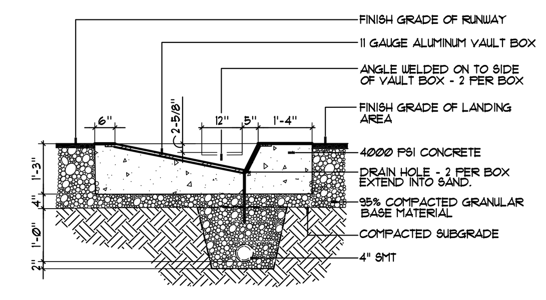

8 / C119 POLE VAULT BOX SECTION
SECTION • NOT TO SCALE — 3230-206C

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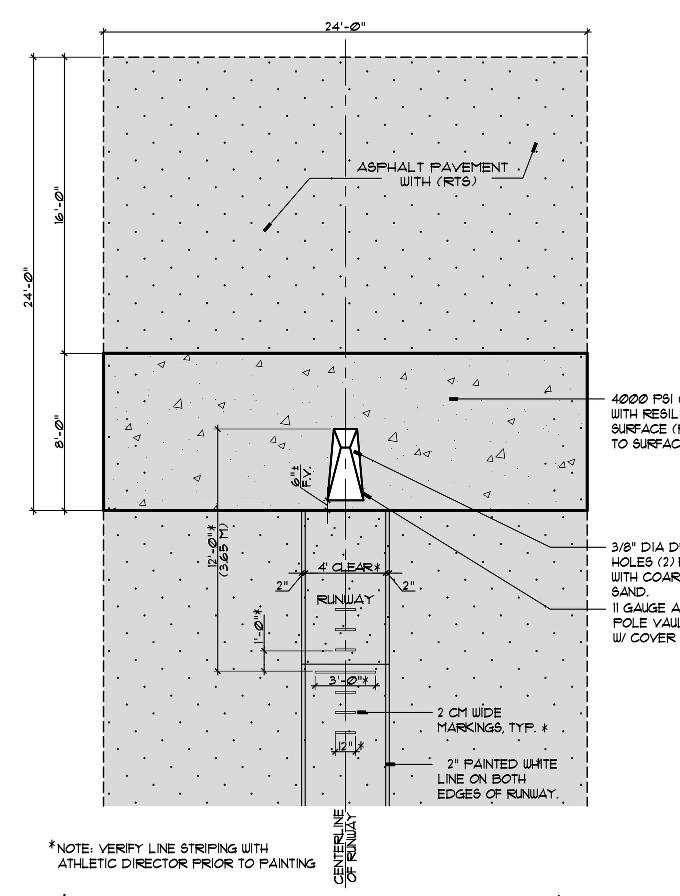

*NOTE: VERIFY LINE STRIPING WITH ATHLETIC DIRECTOR PRIOR TO PAINTING

7 / C119 POLE VAULT BOX LAYOUT
PLAN • NOTE TO SCALE — 3230-206A

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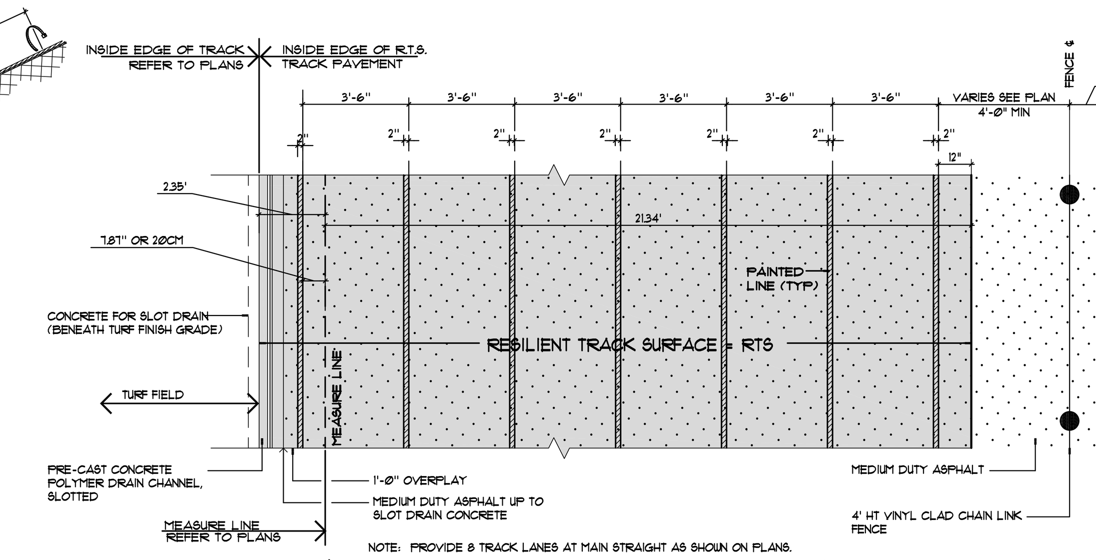

NOTE: PROVIDE 8 TRACK LANES AT MAIN STRAIGHT AS SHOWN ON PLANS.

6 / C119 RTS TRACK LANE LAYOUT - 6x8 LANE
PLAN • NOT TO SCALE — 3230-205A

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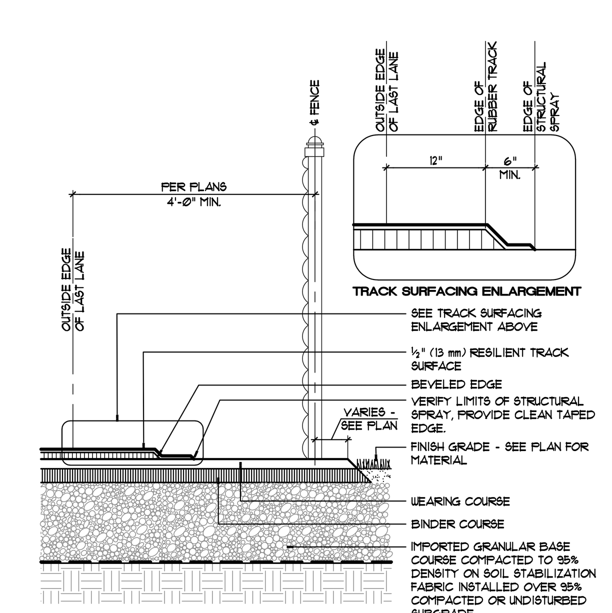

5 / C119 RESILIENT TRACK SURFACE = RTS
SECTION • NOT TO SCALE — 3213-003B

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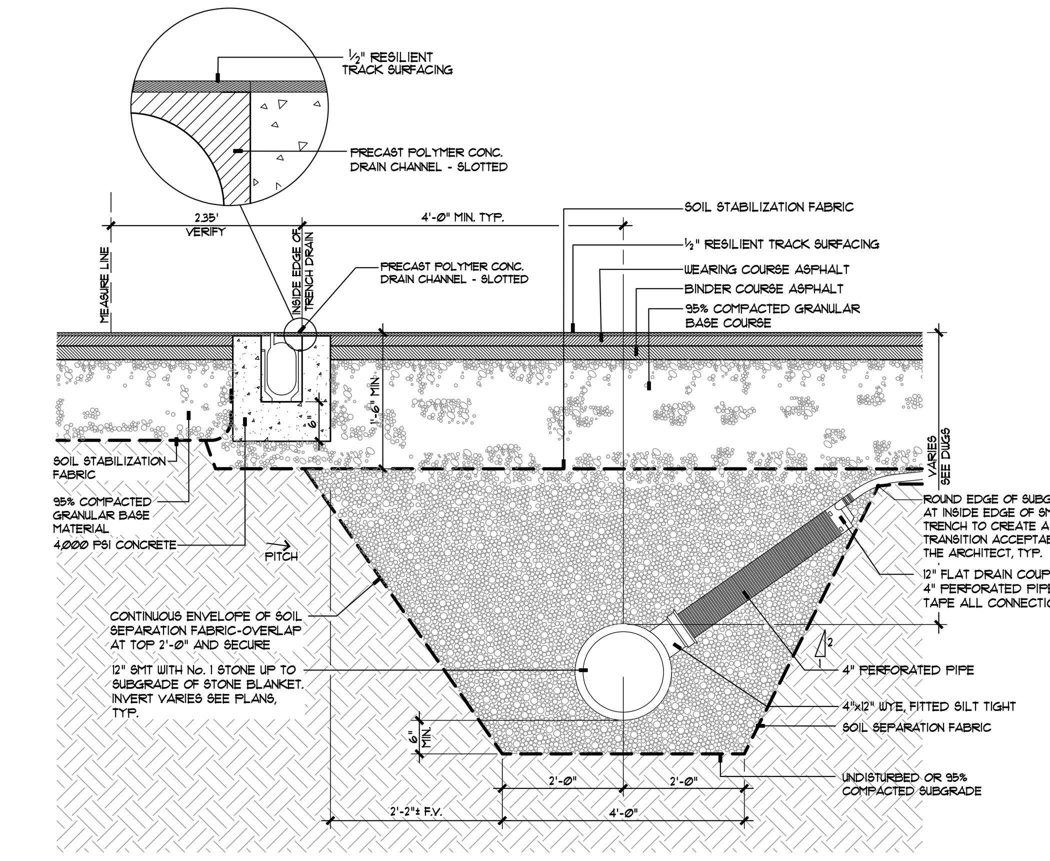

4 / C119 TRENCH DRAIN AT 'D' AREAS
SECTION • NOT TO SCALE — 3230-202A

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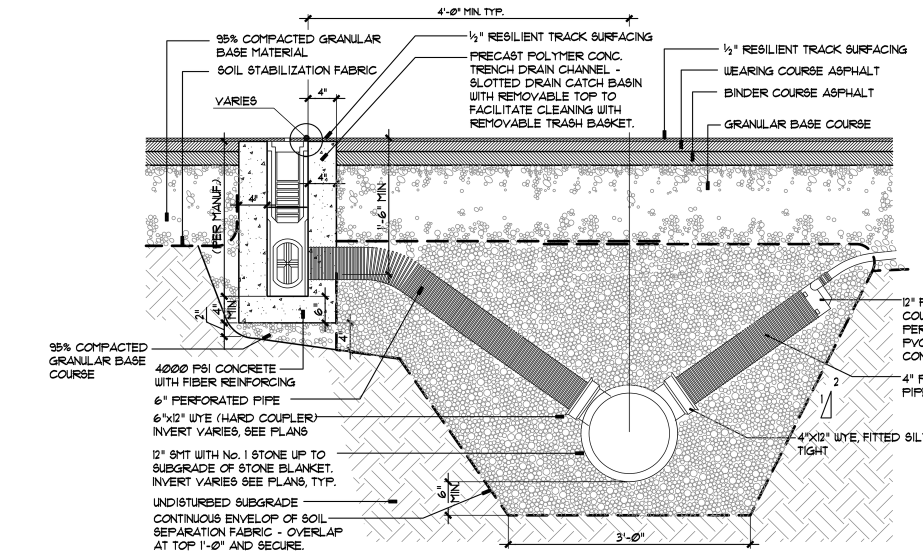

3 / C119 TRENCH DRAIN CATCH BASIN AT D-AREA
SECTION • NOT TO SCALE — 3230-202B

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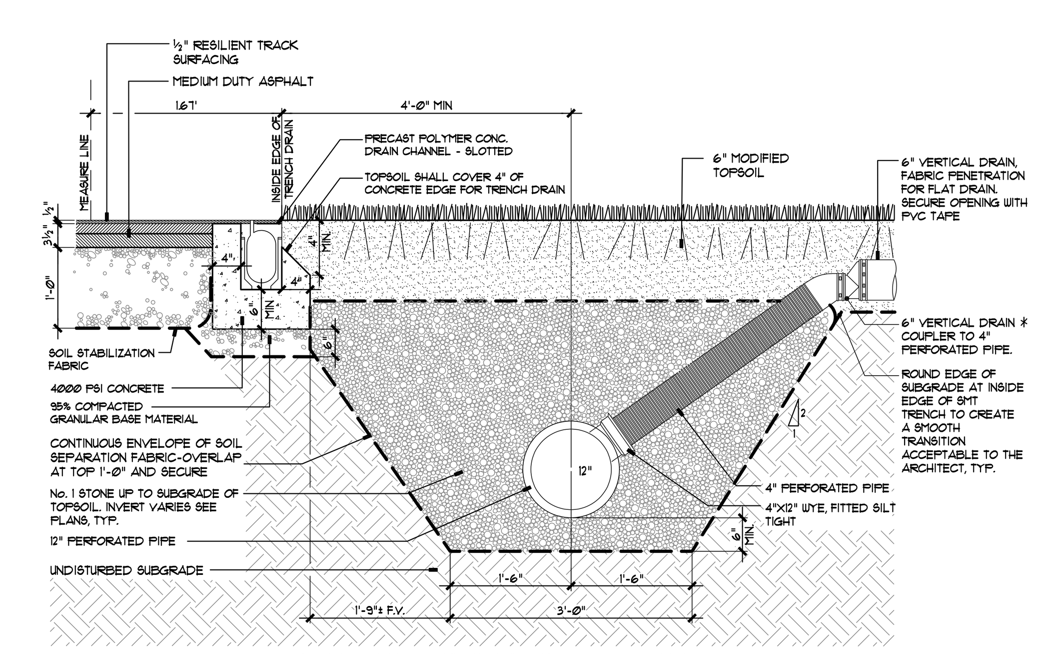

* SECURE COUPLER CONNECTION WITH WATERPROOF PVC TAPE

2 / C119 TRENCH DRAIN AT LAWN EDGE
SECTION • NOT TO SCALE — TD-LAWN

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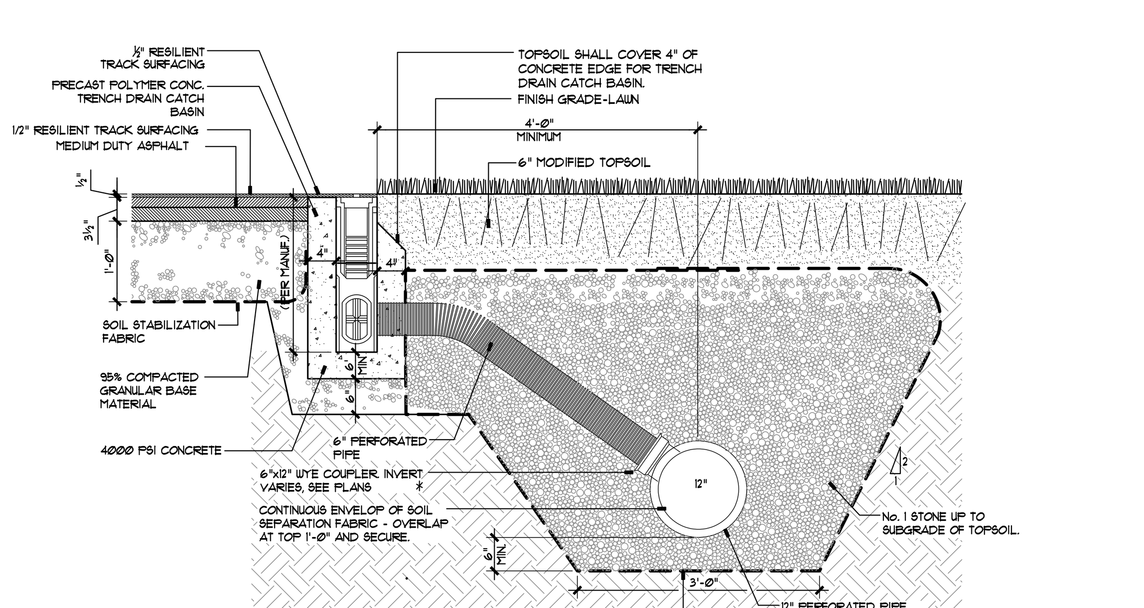

* SECURE COUPLER CONNECTION WITH WATERPROOF PVC TAPE

1 / C119 TRENCH DRAIN CATCH BASIN AT LAWN EDGE
SECTION • NOT TO SCALE — TDCB-LAWN

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MA MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.3344
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REGISTERED LANDSCAPE ARCHITECT • CORY MICHAEL JENNER • 002091 • STATE OF NEW YORK
EXP. 09/30/2025

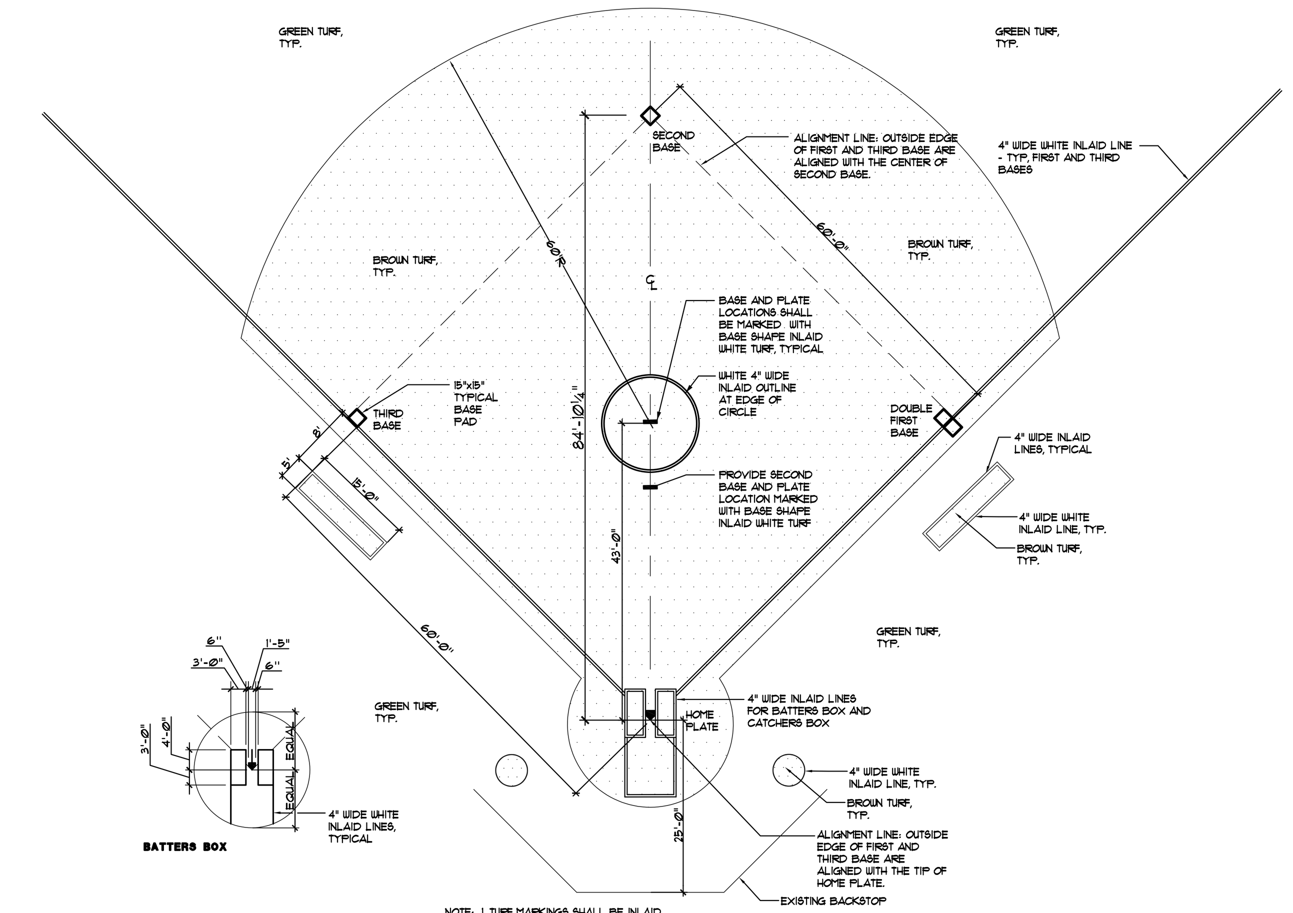
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	BM
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2194

DRAWING TITLE
SITE DETAILS

DRAWING NO.
C119



NOTE: 1. TURF MARKINGS SHALL BE INLAID
2. TURF COLORS MAYBE MODIFIED DURING SUBMITTAL PROCESS.
3. SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY

18 / C120 SOFTBALL INFIELD LAYOUT - TURF
SECTION • NOT TO SCALE 3230-503B
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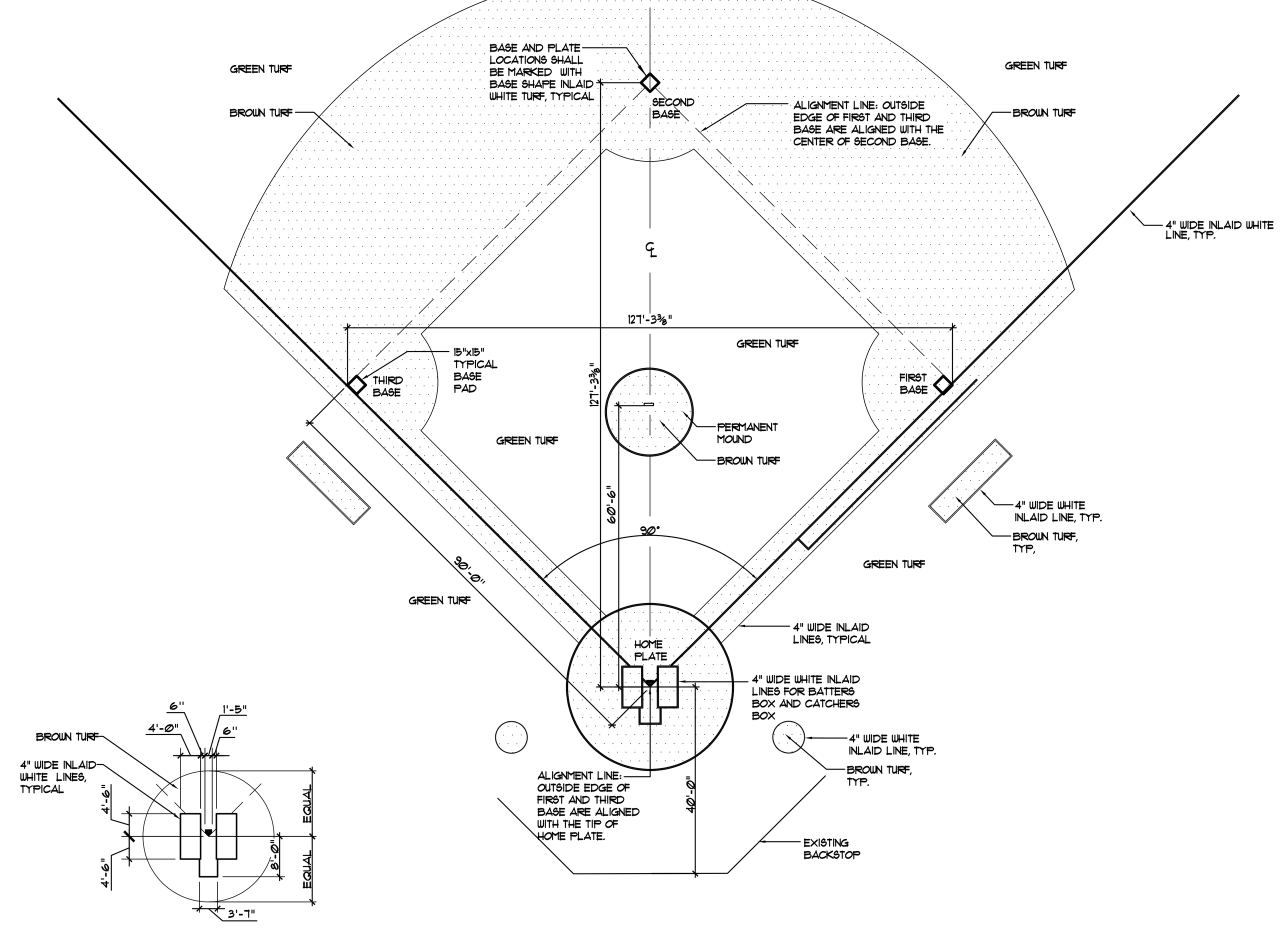

NOTE: SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

17 / C120 BASEBALL LAYOUT - TURF
SECTION • NOT TO SCALE 3230-503A
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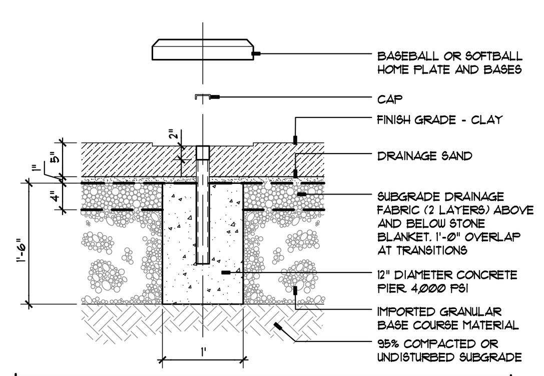

20 / C120 BASES GROUND ANCHOR
SECTION • NOT TO SCALE 3230-504
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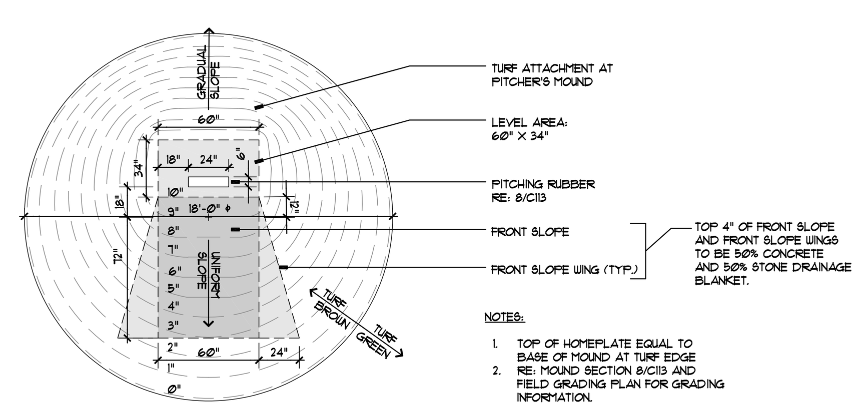

NOTES:
1. TOP OF HOMEPLATE EQUAL TO BASE OF MOUND AT TURF EDGE
2. RE: MOUND SECTION 8/C113 AND FIELD GRADING PLAN FOR GRADING INFORMATION.

NOTE: SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

16 / C120 PITCHERS MOUND PLAN
SECTION • NOT TO SCALE MOUND PLAN
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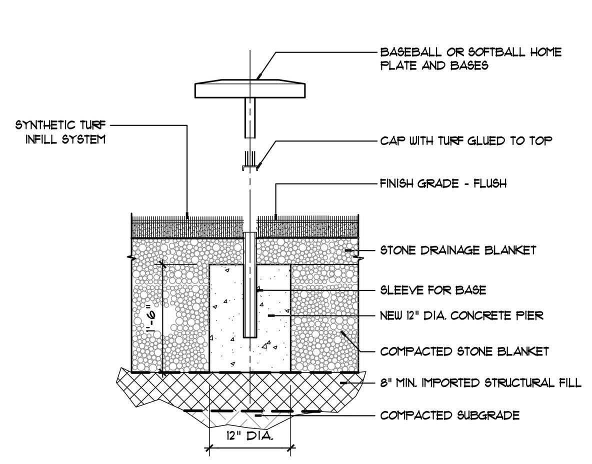

NOTE: SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

19 / C120 BASES GROUND ANCHOR - TURF CONDITION
SECTION • NOT TO SCALE 3230-306
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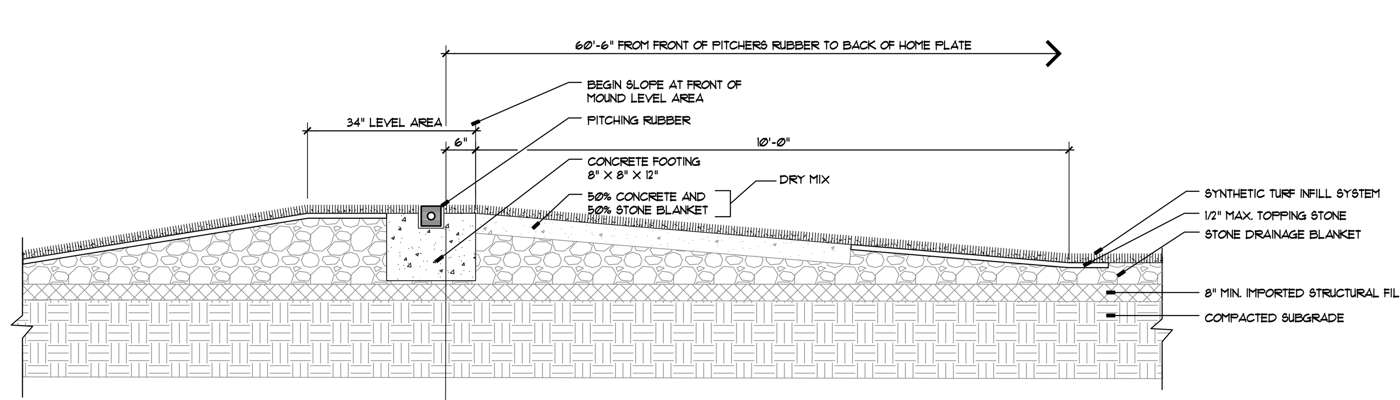
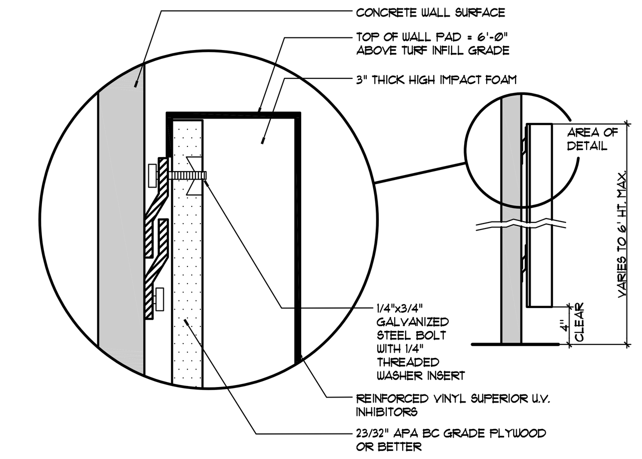


NOTE: SYNTHETIC TURF CARPET AND INFILL NOT IN CONTRACT. SHOWN FOR REFERENCE ONLY.

NOTES:
1. DEGREE OF SLOPE FROM A PT. 6" IN FRONT OF PITCHERS RUBBER TO 6'-0" TOWARDS HOME PLATE SHALL BE A UNIFORM 10" DROP, RE: FIELD GRADING PLAN FOR ADDITIONAL GRADING INFORMATION

15 / C120 PITCHERS MOUND SECTION
SECTION • NOT TO SCALE MOUND SECTION
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



NOTE: AT FENCE PAD LOCATIONS, SECURE FENCE PADS TO FENCE FABRIC AND OR RAILS WITH MANUFACTURER RECOMMENDED HARDWARE.

14 / C120 EXTERIOR WALL AND FENCE PADDING
SECTION • NOT TO SCALE wall-padding
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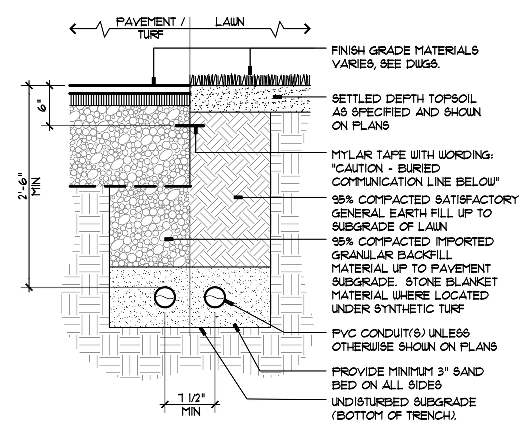

13 / C120 BURIED CONDUIT
SECTION • NOT TO SCALE 281-001A
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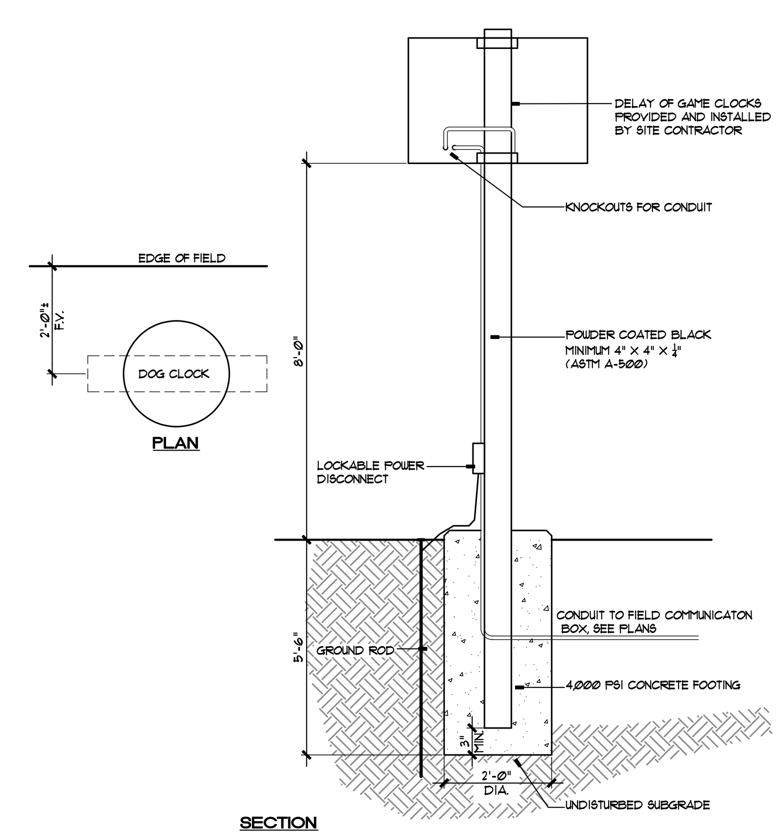
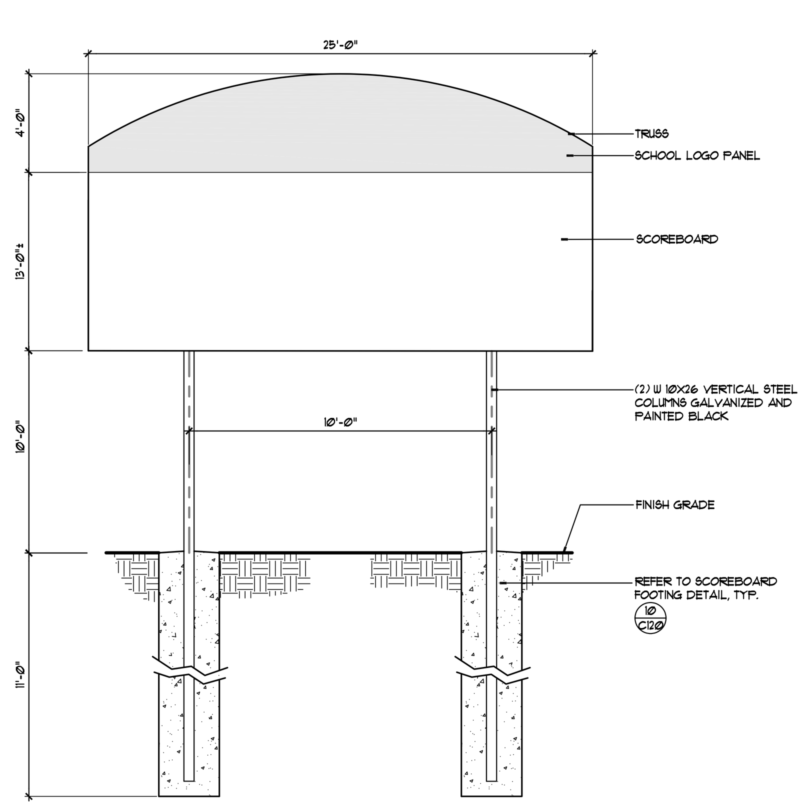


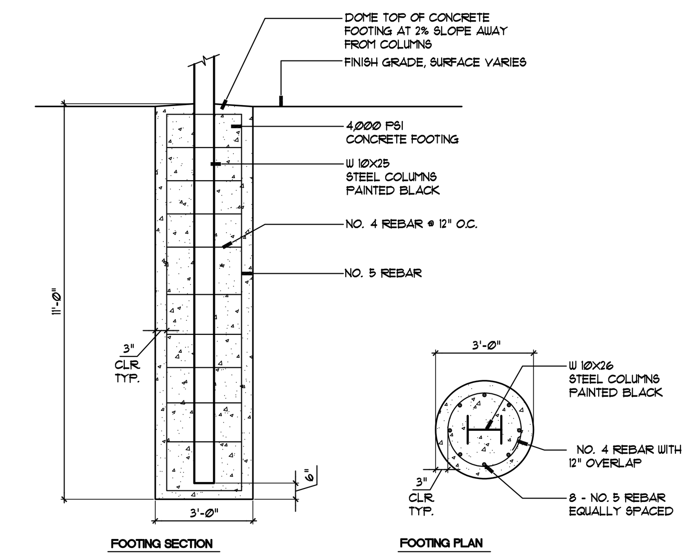
NOTE:
1) REFER TO MANUFACTER'S INSTALLATION SPECIFICATIONS. REFER TO PLANS FOR SHOT CLOCK LOCATION. COORDINATE WITH ELECTRICAL DRAWINGS.
*2) VERIFY EXACT HEIGHT AND LOCATION WITH ATHLETIC DIRECTOR PRIOR TO INSTALLATION.

12 / C120 DELAY OF GAME CLOCK - DOG
SECTION SHOT CLOCK
© APPEL OSBORNE LANDSCAPE ARCHITECTURE

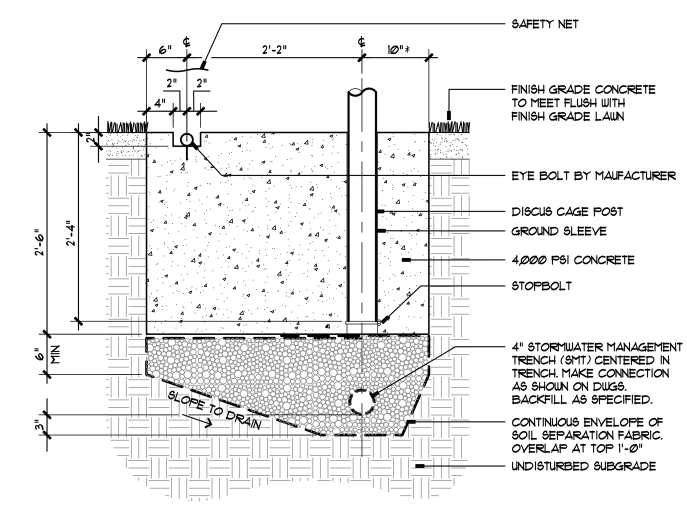


NOTE 1: VERIFY BEAM AND HANGER SPACING WITH SCOREBOARD VENDOR PRIOR TO PROVIDING SUBMITTAL.
NOTE 2: PROVIDE ALL MOUNTING HARDWARE AND CONNECTING HARDWARE, CLAMPS, ETC. TO ATTACH SCOREBOARD TO STEEL PER MANUFACTURERS RECOMMENDATIONS.
NOTE 3: SCOREBOARD, PANELS, ID PANEL, ACCENT PANEL WILL BE FURNISHED BY AND INSTALLED BY THE CONTRACTOR.
NOTE 4: CONTRACTOR TO PROVIDE NYS ENGINEER STAMPED STEEL AND FOOTING SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

11 / C120 SCOREBOARD DETAIL - STADIUM
SECTION • NOT TO SCALE CSCOREBOARD-25-STADIUM
© APPEL OSBORNE LANDSCAPE ARCHITECTURE

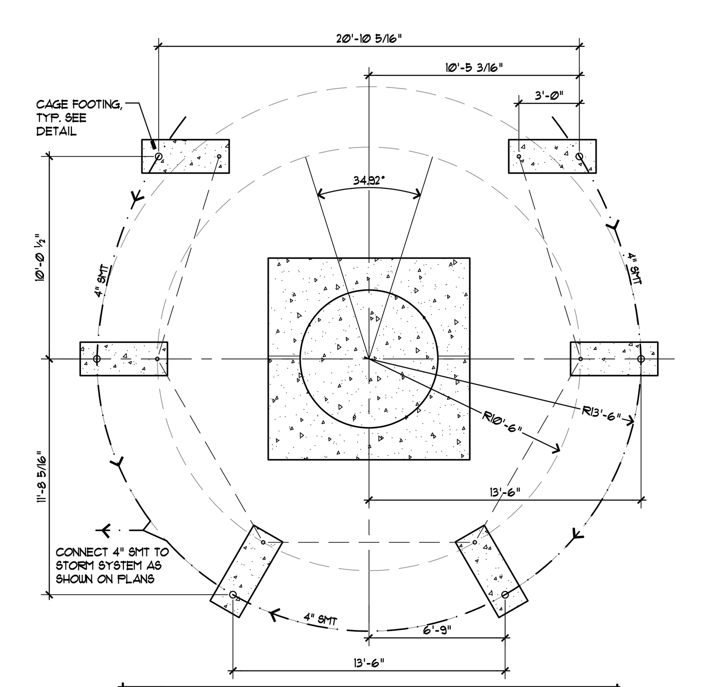


10 / C120 SCOREBOARD FOOTING - STADIUM / SOFTBALL
SECTION • NOT TO SCALE Scoreboard Footing - Stadium
© APPEL OSBORNE LANDSCAPE ARCHITECTURE

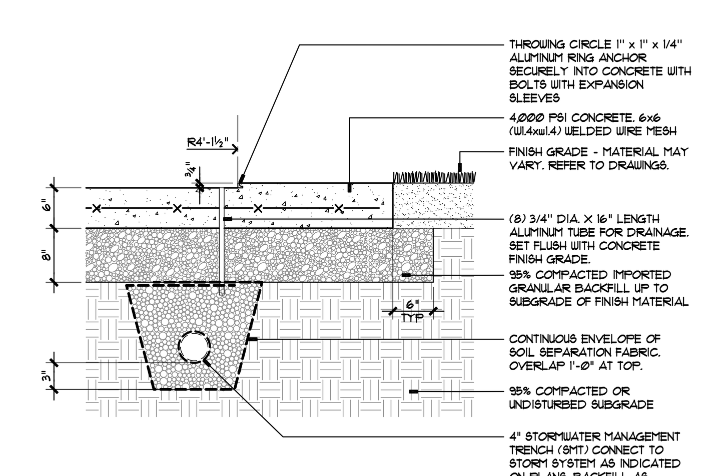


* ALL SIDES EXCEPT AS NOTED ABOVE

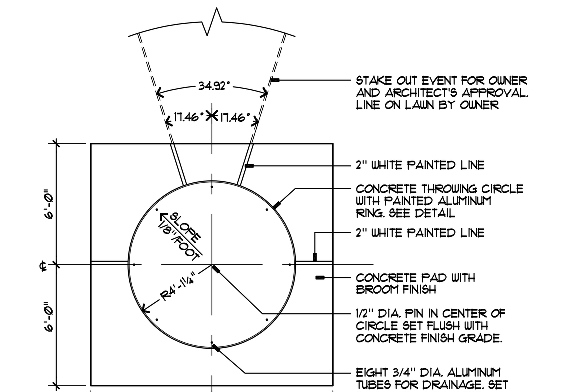
9 / C120 DISCUS CAGE FOOTING
SECTION • NOT TO SCALE 3230-209E
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



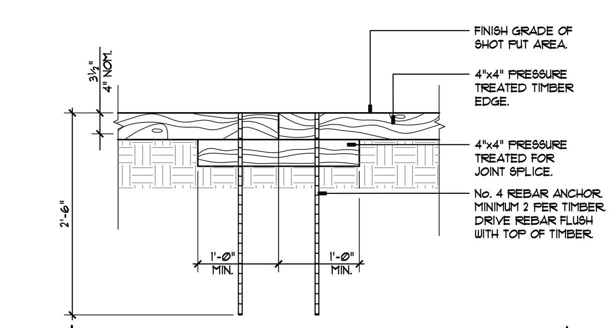
8 / C120 DISCUS CAGE LAYOUT
SECTION • NOT TO SCALE 3230-209C
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



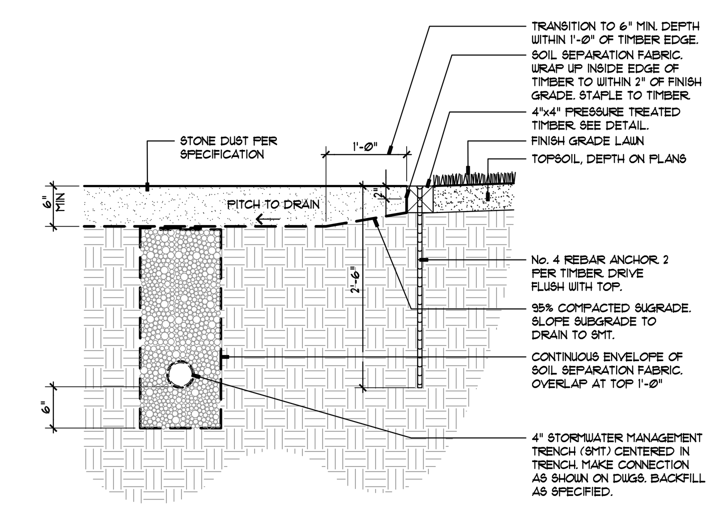
7 / C120 DISCUS CIRCLE SECTION
SECTION • NOT TO SCALE 3230-209B
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



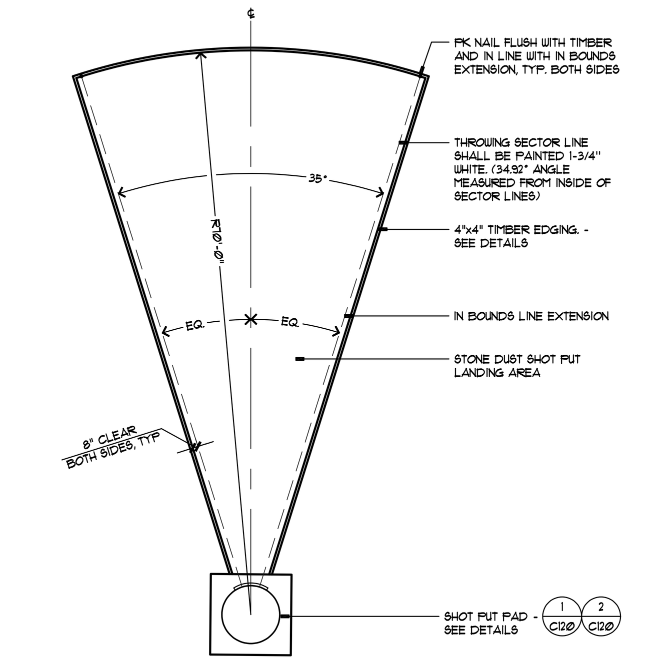
6 / C120 DISCUS CIRCLE PLAN
SECTION • NOT TO SCALE 3230-209A
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



5 / C120 SHOT PUT LANDING AREA EDGE SPLICE
SECTION • NOT TO SCALE 3230-208F
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



4 / C120 SHOT PUT LANDING AREA SECTION
SECTION • NOT TO SCALE 3230-208E
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



NOTE: PROVIDE TEN (10) PK NAILS TO BE INSTALLED FLUSH (5 PER EACH SIDE) ALONG TIMBER EDGING AS DIRECTED IN THE FIELD BY THE LANDSCAPE ARCHITECT AND/OR ATHLETIC DIRECTOR.

3 / C120 SHOT PUT LANDING AREA PLAN
SECTION • NOT TO SCALE 3230-208C
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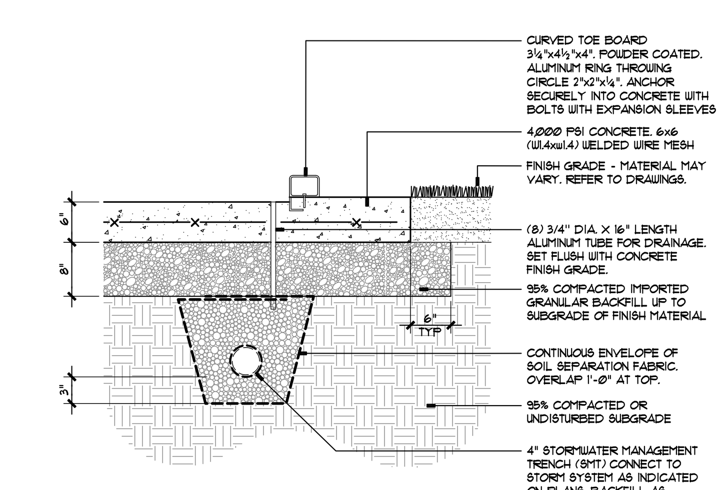

2 / C120 SHOT PUT CIRCLE SECTION
SECTION • NOT TO SCALE 3230-208B
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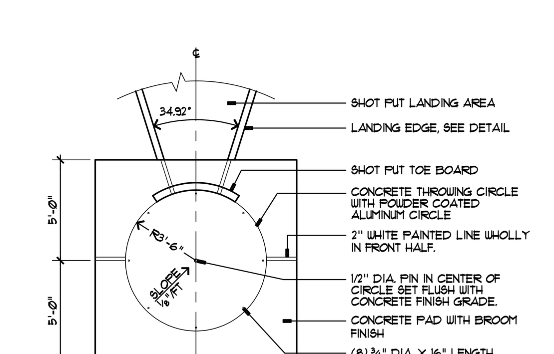

1 / C120 SHOT PUT CIRCLE PLAN
SECTION • NOT TO SCALE 3230-208A
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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
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Syracuse, NY 13204 | (315) 476-1022

REGISTERED LANDSCAPE ARCHITECT · CORY MICHAEL JENNER · 002097 · STATE OF NEW YORK
EXP. 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

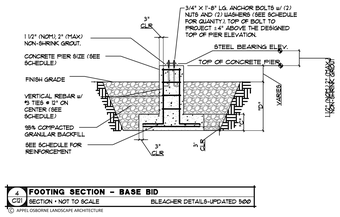
NO	DESCRIPTION	BY	DATE

REVISIONS

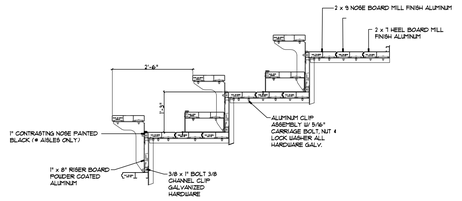
DATE	NOVEMBER 30, 2023
DRAWN BY	BM
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2194

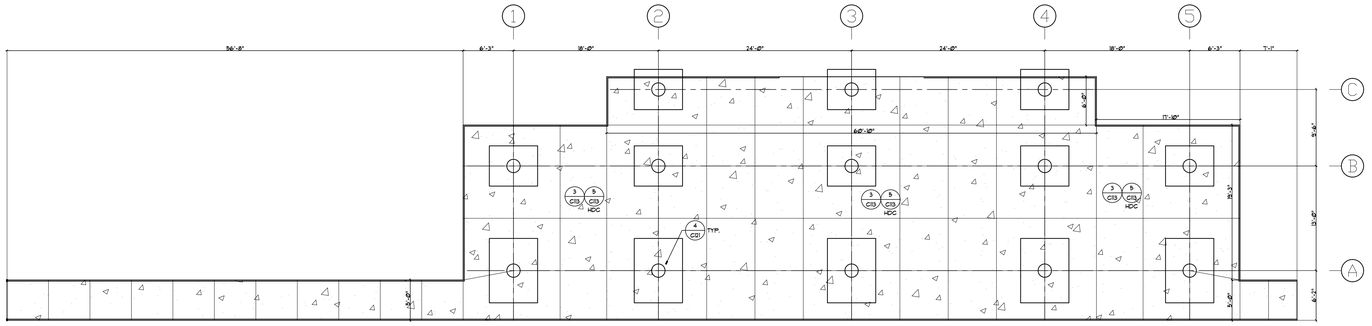
DRAWING TITLE
SITE DETAILS

DRAWING NO.
C120



4 / GS1 FOOTING SECTION – BASE BID
SECTION • NOT TO SCALE — BLEACHER DETAILS-UPDATED 5/20
© APPEL OSBORNE LANDSCAPE ARCHITECTURE





FOUNDATION PLAN
EJ = EXPANSION JOINT
CJ = CONTROL JOINT

FOUNDATION NOTES:
1. THE TOP OF CONCRETE MAY BE RAISED TO MATCH THE STEEL BEARING ELEVATION AT THE INSTALLER'S DISCRETION. INSTALLER IS THEN RESPONSIBLE FOR ANY ADJUSTMENTS.
IF THE ELEVATION OF THE TOP OF THE CONCRETE PIER IS DESIGNED TO BE 1 1/2" BELOW THE STEEL BEARING ELEVATION, TOLERANCES FOR THE TOP OF CONCRETE PIER SHALL BE +/- 1/8". THE CONCRETE INSTALLER IS RESPONSIBLE FOR NON-SHRINK GROUTING.
2. ALL COLUMN ANCHOR BOLTS MUST HAVE A 4" PROJECTION (+/- 1/8") ABOVE THE TOP OF PIER ELEVATION.
3. MAXIMUM HORIZONTAL TOLERANCE OF ANCHOR BOLT PLACEMENT SHALL BE 1/8".
4. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND MARKED DURING REVIEW PROCESS PRIOR TO FOUNDATION EXCAVATION. BLEACHER MANUFACTURER SHALL NOT BE RESPONSIBLE FOR DAMAGE TO UNDERGROUND UTILITIES.
5. MINIMUM FOOTING DEPTH IS DETERMINED BY STATE AND LOCAL BUILDING CODES.
6. SOIL BEARING PRESSURE IS TO BE DETERMINED BY NYS SOILS ENGINEER. SEE GEOTECHNICAL REPORT IN SPECIFICATIONS.
7. ALL BLEACHER FOOTING SUBMITTALS NEED TO BE REVIEWED AND STAMPED BY CONTRACTORS NYS PROFESSIONAL ENGINEER PRIOR TO SUBMISSION TO THE ARCHITECT FOR APPROVAL.

SOIL BEARING CAPACITY - 3000PSF
ASSUMED FROST DEPTH- 48"

FOOTING SCHEDULE					PIER SCHEDULE				
MARK	SIZE "A"	SIZE "B"	SIZE "C"	SIZE "D"	REINFORCING EA. WAY	SIZE	REINFORCING	NO. OF ANCHORS	SIZE OF ANCHORS / ANCHOR BOLT TEMPLATE NO.
F1	8'	6'	1'	4'	@40"O.C.	24"ø	8 #8 BARS	4	3/4" x 1'-8" w/ 3" HOOK / 0601049
F2	5'	6'	1'	4'	@40"O.C.	18"ø	8 #8 BARS	4	3/4" x 1'-8" w/ 3" HOOK / 0605651
F3	4'-6"	4'-6"	1'	5'	@40"O.C.	18"ø	8 #8 BARS	4	3/4" x 1'-8" w/ 3" HOOK / 0605651

3 / GS1 FOUNDATION PLAN – BASE BID
SECTION • NOT TO SCALE — BLEACHERS
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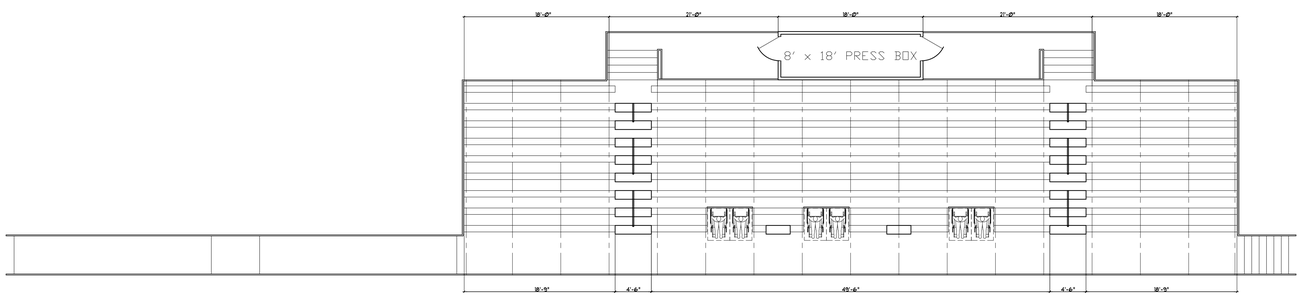

SEATING MANIFEST:

BENCH SEATING:	477
WHEELCHAIR SEATING:	6
COMPANION SEATING:	6
TOTAL:	489

NOTE: BLEACHER SHOP DRAWINGS TO BE STAMPED AND SIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN NEW YORK STATE. REFER TO SPECIFICATIONS.

GUARDRAIL NOTES:
6 GAUGE VINYL CHAIN LINK FENCE TIED TO 1-5/8"Ø O.D. ALUMINUM PIPE RAIL SUPPORTED BY 2.8"x2" ALUMINUM TUBE POSTS.

FRONT GUARDRAIL
-TOP RAIL LOCATED 42" MIN ABOVE FOOTBOARD. (EXCEPTION: 36" BEHIND WHEELCHAIR SEATING.)

SIDE GUARDRAIL
-TOP RAIL LOCATED 42" MIN ABOVE LEADING EDGE OF SEATBOARD.

REAR GUARDRAIL
-TOP RAIL LOCATED 42" MIN ABOVE REAR ROW SEATBOARD.

2 / GS1 BLEACHER PLAN – BASE BID
SECTION • NOT TO SCALE — BLEACHER DETAILS-UPDATED 5/20
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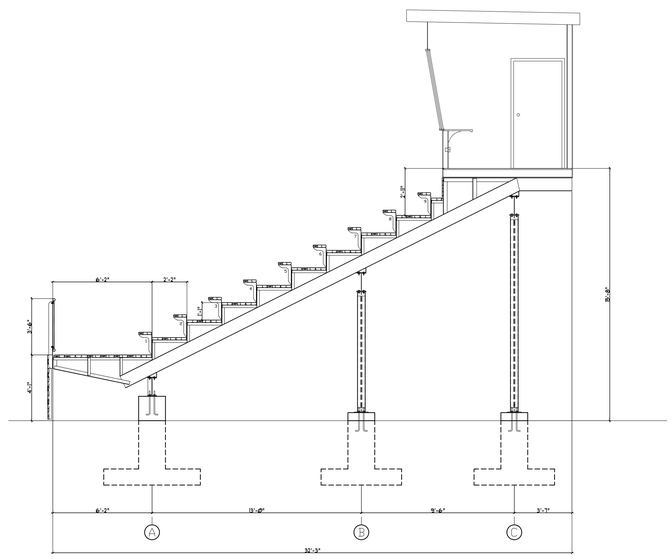

1 / GS1 BLEACHER SECTIONS – BASE BID
SECTION • NOT TO SCALE — BLEACHER DETAILS-UPDATED 5/20
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ARCHITECTS & PLANNERS, PC
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REGISTERED LANDSCAPE ARCHITECT
CORY MICHAEL TEMPLE
002097
STATE OF NEW YORK
EXP. 09/30/2025

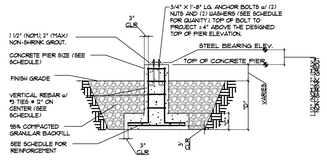
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NEW PRESS BOX
SED CONTROL NO.: 23-09-01-04-7-018-001

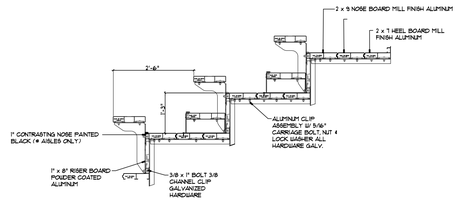
NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	BM		
CHECKED BY	CJ		
SCALE	AS SHOWN		
PROJECT NO.	2184		

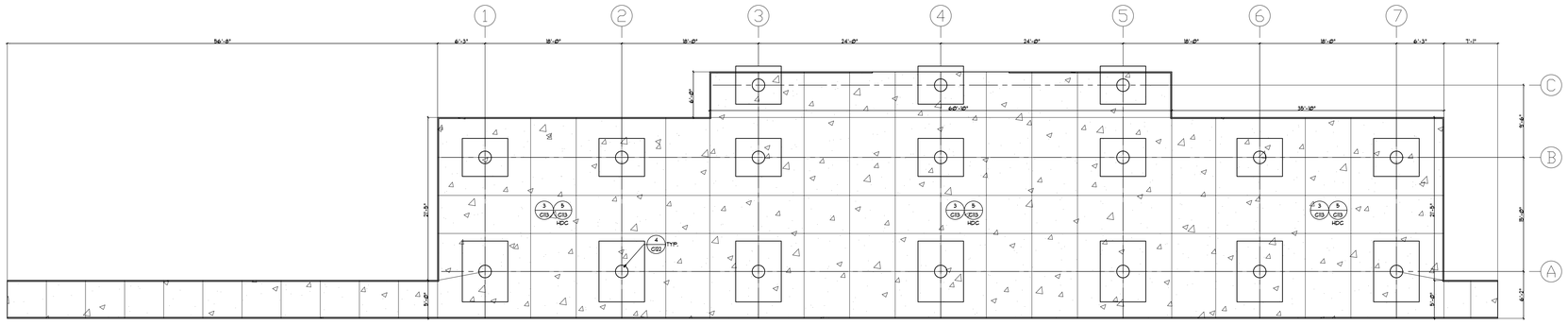
DRAWING TITLE
EXTERIOR BLEACHER DETAILS BOSTWICK FIELD

DRAWING NO.
C121



FOOTING SECTION - ALTERNATE
C122 SECTION • NOT TO SCALE — BLEACHER DETAILS-UPDATED '19
© APPEL OSBORNE LANDSCAPE ARCHITECTURE





FOUNDATION PLAN
EJ = EXPANSION JOINT
CJ = CONTROL JOINT

FOUNDATION NOTES:
1. THE TOP OF CONCRETE MAY BE RAISED TO MATCH THE STEEL BEARING ELEVATION AT THE INSTALLER'S DISCRETION. INSTALLER IS THEN RESPONSIBLE FOR ANY ADJUSTMENTS. FOOTIE ELEVATION OF THE TOP OF THE CONCRETE PIER IS DESIGNED TO BE 1 1/2" BELOW THE STEEL BEARING ELEVATION. TOLERANCES FOR THE TOP OF CONCRETE PIER SHALL BE +/- 1/8". THE CONCRETE INSTALLER IS RESPONSIBLE FOR NON-SHRINK GROUTING.
2. ALL COUPLYN ANCHOR BOLTS MUST HAVE A 4" PROJECTION (+/- 1/8") ABOVE THE TOP OF PIER ELEVATION.
3. MAXIMUM HORIZONTAL TOLERANCE OF ANCHOR BOLT PLACEMENT SHALL BE 1/8".
4. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND MARKED DURING REVIEW PROCESS PRIOR TO FOUNDATION EXCAVATION. BLEACHER MANUFACTURER SHALL NOT BE RESPONSIBLE FOR DAMAGE TO UNDERGROUND UTILITIES.
5. MINIMUM FOOTING DEPTH IS DETERMINED BY STATE AND LOCAL BUILDING CODES.
6. SOIL BEARING PRESSURE IS TO BE DETERMINED BY NYS SOILS ENGINEER. SEE GEOTECHNICAL REPORT IN SPECIFICATIONS.
7. ALL BLEACHER FOOTING SUBMITTALS NEED TO BE REVIEWED AND STAMPED BY CONTRACTORS NYS PROFESSIONAL ENGINEER PRIOR TO SUBMISSION TO THE ARCHITECT FOR APPROVAL.

SOIL BEARING CAPACITY - 3000PSF
ASSUMED FROST DEPTH: 48"

FOOTING SCHEDULE					PIER SCHEDULE				
MARK	SIZE "A"	"B"	"C"	"D"	REINFORCING EA. WAY	SIZE	REINFORCING	NO. OF ANCHORS	SIZE OF ANCHORS	ANCHOR BOLT TEMPLATE NO.
F1	8'	6'	1'	4'	#5@10"O.C.	24"ø	8 #5 BARS	4	3/4" x 1'-8" w/ 3" HOOK	ØØ39249
F2	5'	6'	1'	4'	#5@10"O.C.	18"ø	8 #5 BARS	4	3/4" x 1'-8" w/ 3" HOOK	ØØ5551T
F3	4'-6"	4'-6"	1'	5'	#5@10"O.C.	18"ø	8 #5 BARS	4	3/4" x 1'-8" w/ 3" HOOK	ØØ5551T

FOUNDATION PLAN - ALTERNATE
C122 SECTION • NOT TO SCALE — BLEACHER DETAILS-UPDATED '19
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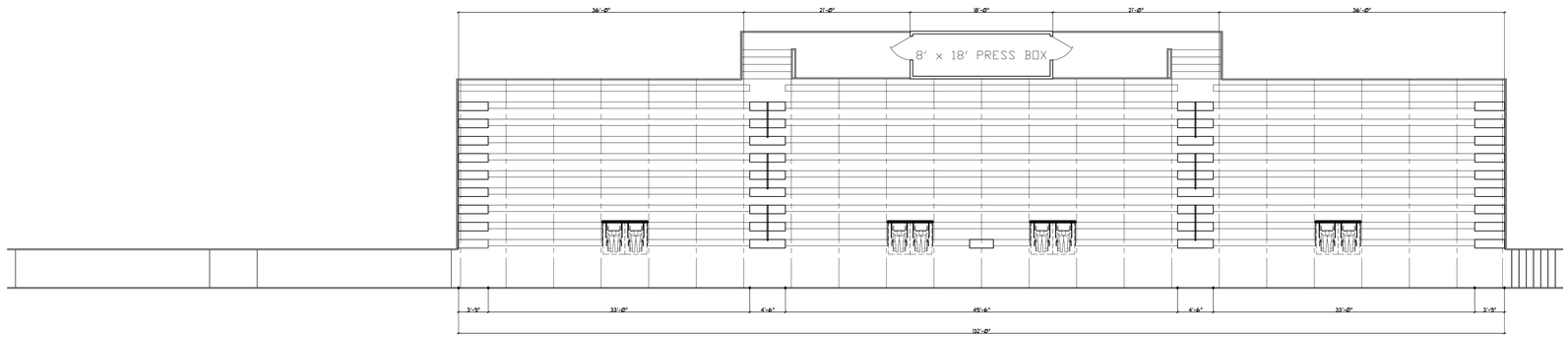

SEATING MANIFEST:

BENCH SEATING:	126
WHEELCHAIR SEATING:	8
COMPANION SEATING:	8
TOTAL:	142

NOTE: BLEACHER SHOP DRAWINGS TO BE STAMPED AND SIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN NEW YORK STATE. REFER TO SPECIFICATIONS.

GUARDRAIL NOTES:
6 GAUGE VINYL CHAIN LINK FENCE TIED TO 1-5/8"Ø O.D. ALUMINUM PIPE RAIL SUPPORTED BY 2.8"x2" ALUMINUM TUBE POSTS.

FRONT GUARDRAIL
- TOP RAIL LOCATED 42" MIN ABOVE FOOTBOARD. (EXCEPTION: 36" BEHIND WHEELCHAIR SEATING)

SIDE GUARDRAIL
- TOP RAIL LOCATED 42" MIN ABOVE LEADING EDGE OF SEATBOARD.

REAR GUARDRAIL
- TOP RAIL LOCATED 42" MIN ABOVE REAR ROW SEATBOARD.

BLEACHER PLAN - ALTERNATE
C122 SECTION • NOT TO SCALE — BLEACHER DETAILS-UPDATED '19
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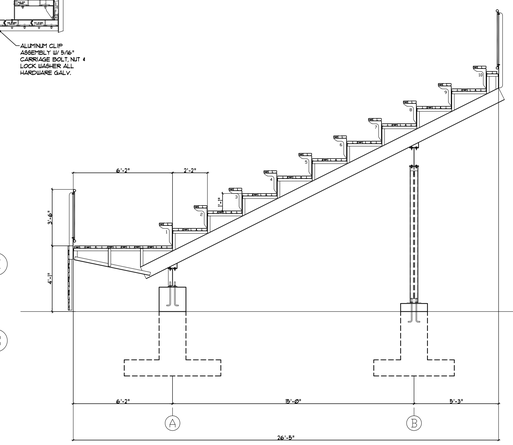

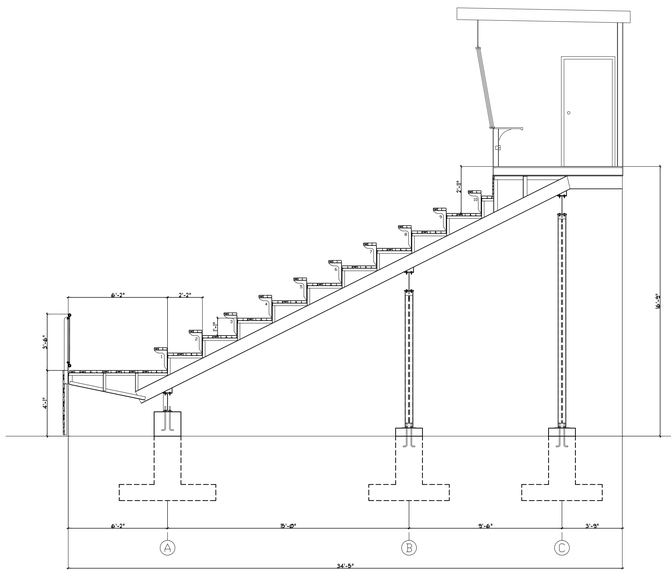

BLEACHER SECTIONS - ALTERNATE
C122 SECTION • NOT TO SCALE — BLEACHER DETAILS-UPDATED '19
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NY NJ PA
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REGISTERED LANDSCAPE ARCHITECT
CORY MICHAEL TENNEY
002097
STATE OF NEW YORK
EXP. 09/30/2025

NEW PRESS BOX
SED CONTROL NO.: 23-09-01-04-7-018-001

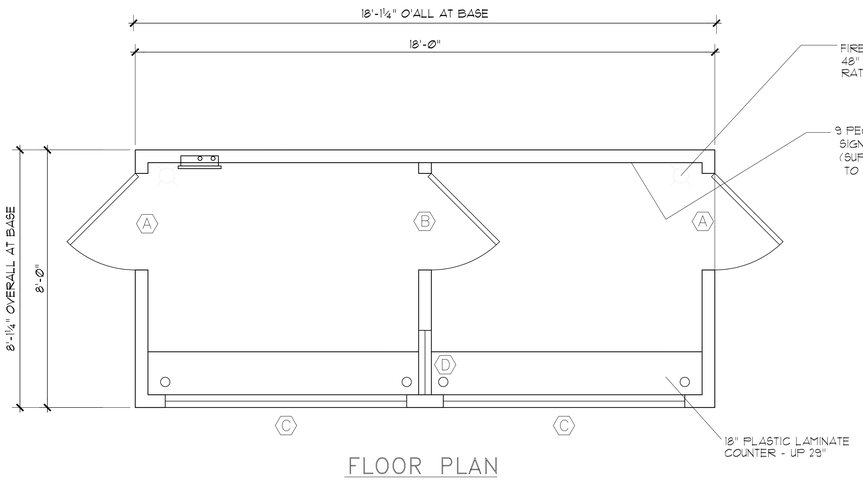
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

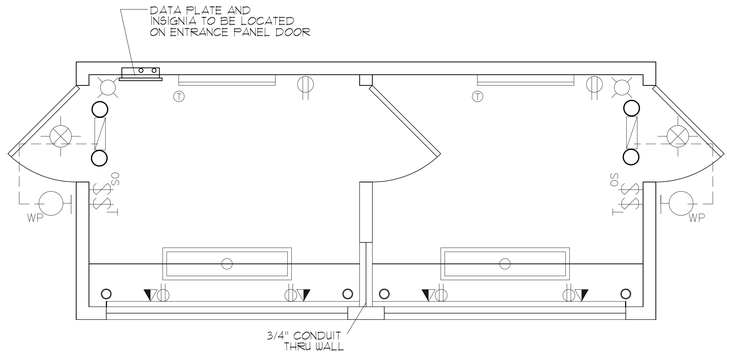
DATE	NOVEMBER 30, 2023
DRAWN BY	BMT
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2154

DRAWING TITLE
EXTERIOR BLEACHER DETAILS BOSTWICK FIELD (ALTERNATE NO. 5)

DRAWING NO.
C122



FLOOR PLAN



ELECTRICAL PLAN

4 CD3 PRESSBOX FLOOR PLAN
SECTION • NOT TO SCALE — PRESSBOX-FLOORPLAN
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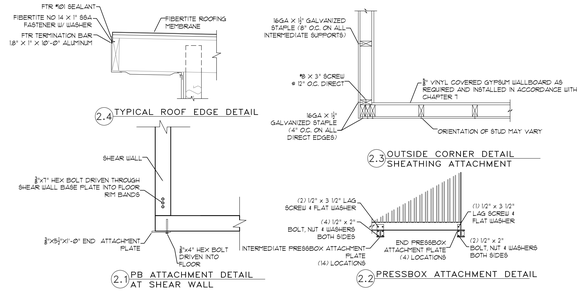

2 CD3 PRESSBOX DETAILS
SECTION • NOT TO SCALE — PRESSBOX-DETAILS
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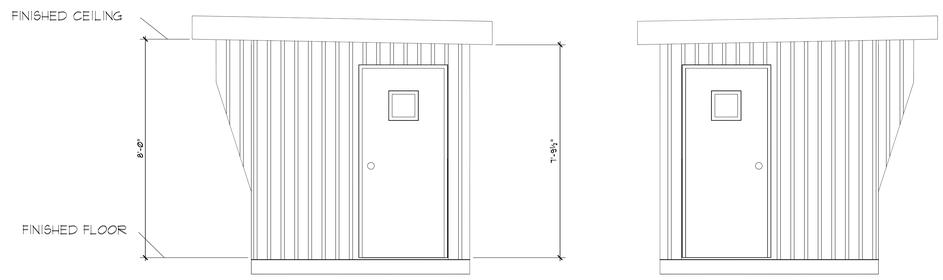
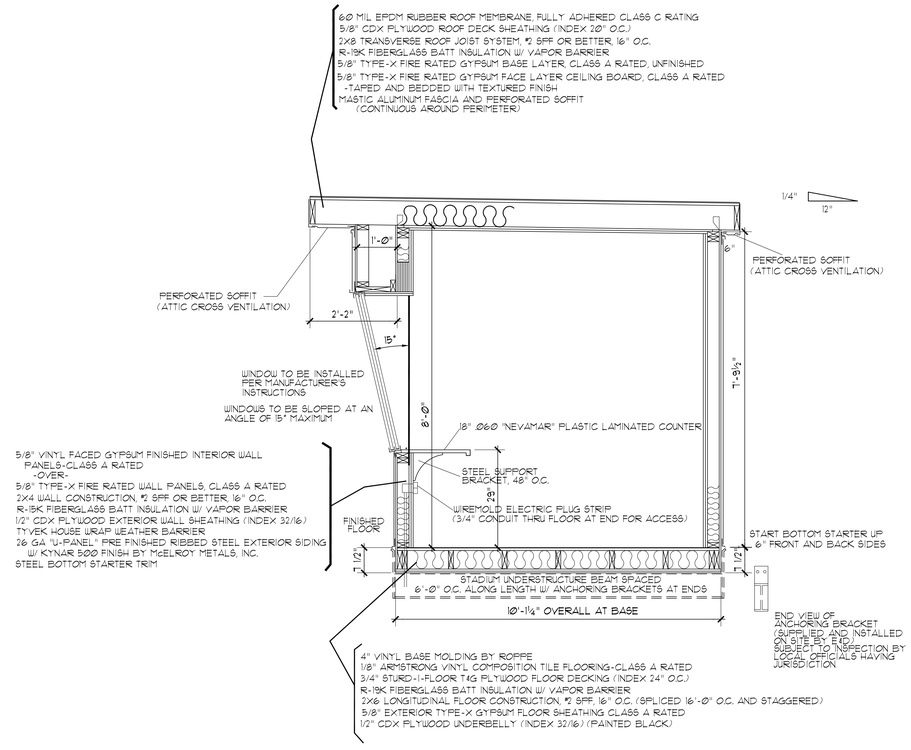


END ELEVATION

END ELEVATION



CROSS SECTION
SCALE: 3/4"=1'-Ø"

3 CD3 PRESSBOX CROSS SECTION
SECTION • NOT TO SCALE — PRESSBOX-CROSS SECTION
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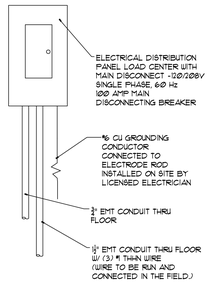
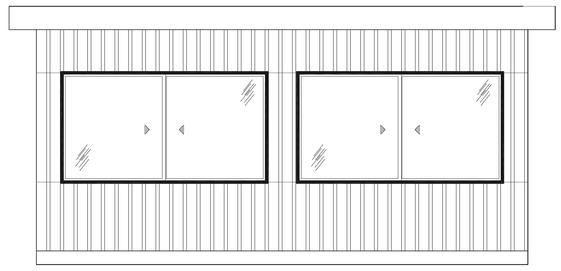
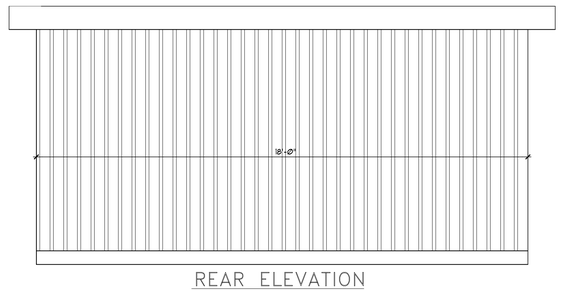


PANEL ELEVATION
SCALE: NTS



FRONT ELEVATION



REAR ELEVATION

PRESS BOX
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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.2344
marchassoc.com

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appel osborne landscape architecture
REGISTERED LANDSCAPE ARCHITECT — JOHN MICHAEL TERRY — 002097 — STATE OF NEW YORK
EXP. 09/30/2025

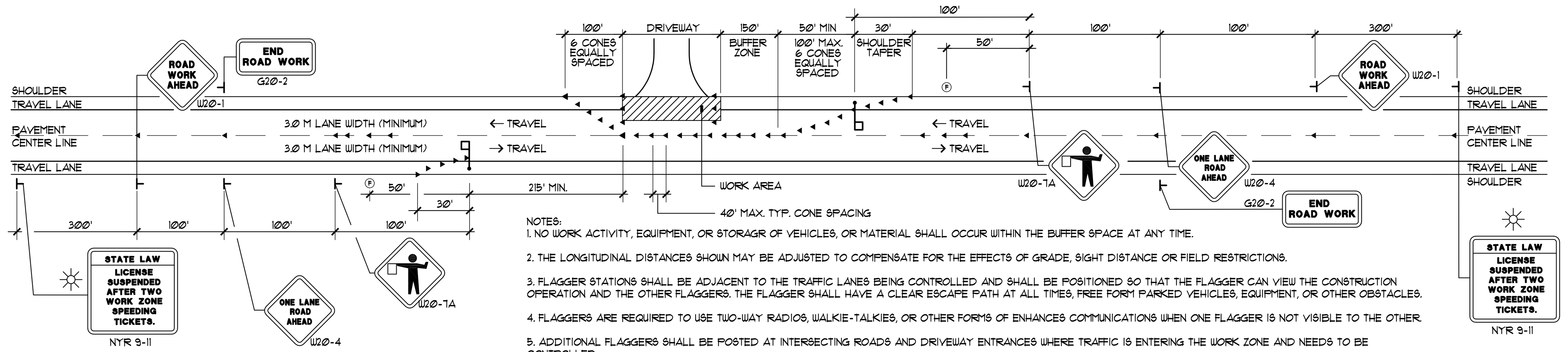
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NEW PRESS BOX
SED CONTROL NO.: 23-09-01-04-7-018-001

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY			BM
CHECKED BY			CJ
SCALE			AS SHOWN
PROJECT NO.			2754

DRAWING TITLE
EXTERIOR PRESSBOX DETAILS BOSTWICK FIELD

DRAWING NO.
C123



NOTES:

1. NO WORK ACTIVITY, EQUIPMENT, OR STORAGR OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
2. THE LONGITUDINAL DISTANCES SHOWN MAY BE ADJUSTED TO COMPENSATE FOR THE EFFECTS OF GRADE, SIGHT DISTANCE OR FIELD RESTRICTIONS.
3. FLAGGER STATIONS SHALL BE ADJACENT TO THE TRAFFIC LANES BEING CONTROLLED AND SHALL BE POSITIONED SO THAT THE FLAGGER CAN VIEW THE CONSTRUCTION OPERATION AND THE OTHER FLAGGERS. THE FLAGGER SHALL HAVE A CLEAR ESCAPE PATH AT ALL TIMES, FREE FORM PARKED VEHICLES, EQUIPMENT, OR OTHER OBSTACLES.
4. FLAGGERS ARE REQUIRED TO USE TWO-WAY RADIOS, WALKIE-TALKIES, OR OTHER FORMS OF ENHANCES COMMUNICATIONS WHEN ONE FLAGGER IS NOT VISIBLE TO THE OTHER.
5. ADDITIONAL FLAGGERS SHALL BE POSTED AT INTERSECTING ROADS AND DRIVEWAY ENTRANCES WHERE TRAFFIC IS ENTERING THE WORK ZONE AND NEEDS TO BE CONTROLLED.
6. MAXIMUM SPACING FOR ALL DELINEATION SERVICES SHALL BE 40'. IN ADDITION, THE DELINEATION DEVISED AT LANE TAPERS SHALL BE PLACED AT A 20' MAXIMUM INTERVAL.
7. CHANNELIZING DEVISES SHALL BE PLACED ALONG THE ROAD CENTERLINE OPPOSITE OF ALL CONSTRUCTION SIGNS.
8. ALL SIGNS SHALL HAVE ORANGE BACKING WITH BLACK LETTERING AND TRIM.
9. THE END ROAD WORK SIGN SHALL BE PLACED A MAXIMUM OF 150M PAST THE END OF THE WORK SPACE.
10. THE FLAGGER SIGN AND ONCE LANE ROAD AHEAD SIGN SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURING. THE FLAGGER AND FLAG TREE SHALL BE ILLUMINATED TO LEVEL II ILLUMINATION DURING NIGHT TIME OPERATIONS.
11. ALL FLAGGERS SHALL USE A 600MM OCTAGON SHAPED STOP/SLOW PADDLES HAVING A 1.8M STAFF.

MAINTENANCE AND PROTECTION OF TRAFFIC - 30 MPH
REFER TO M.U.T.C.D. MANUAL
TYPICAL WORK ZONE TRAFFIC CONTROL FOR FLAGGER CONTROLLED ONE LANE - TWO WAY TRAFFIC OPERATION

3 / C124 **TRAFFIC CONTROL FOR TEMPORARY LANE CLOSURE**
SECTION • NOT TO SCALE
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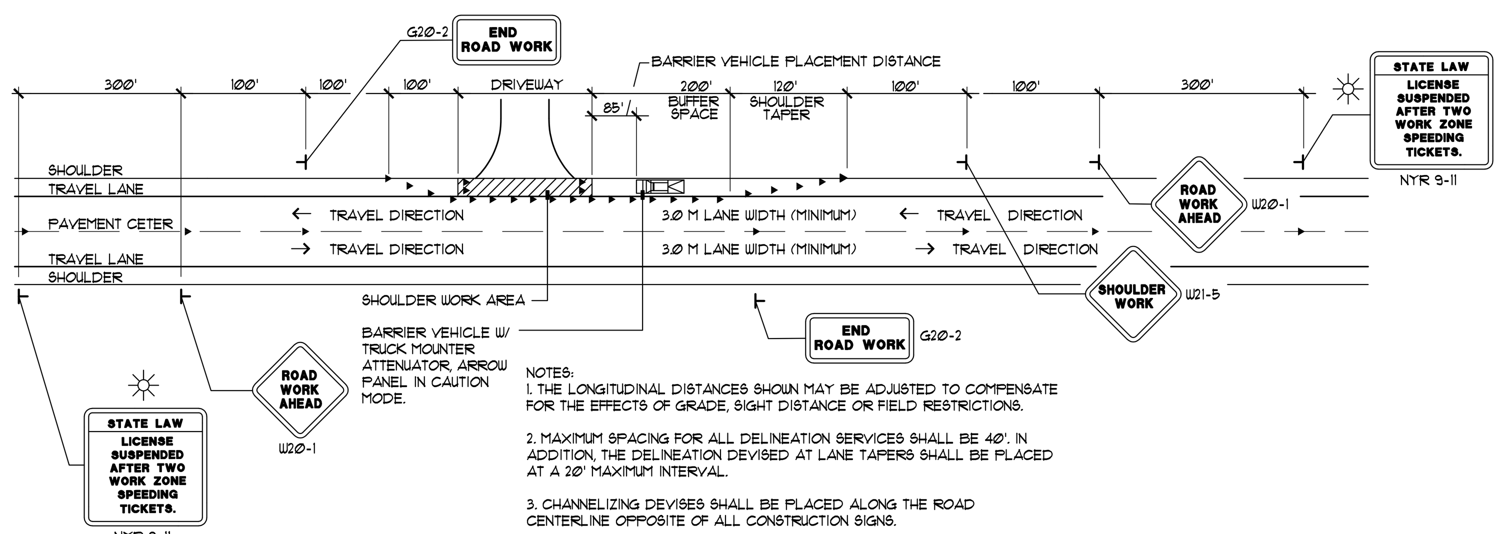

NOTES:

1. THE LONGITUDINAL DISTANCES SHOWN MAY BE ADJUSTED TO COMPENSATE FOR THE EFFECTS OF GRADE, SIGHT DISTANCE OR FIELD RESTRICTIONS.
2. MAXIMUM SPACING FOR ALL DELINEATION SERVICES SHALL BE 40'. IN ADDITION, THE DELINEATION DEVISED AT LANE TAPERS SHALL BE PLACED AT A 20' MAXIMUM INTERVAL.
3. CHANNELIZING DEVISES SHALL BE PLACED ALONG THE ROAD CENTERLINE OPPOSITE OF ALL CONSTRUCTION SIGNS.
4. ALL SIGNS SHALL HAVE ORANGE BACKING WITH BLACK LETTERING AND TRIM.
5. ANTICIPATED WORK DURATION, 1 HOUR TO 12 HOURS, DAYTIME ONLY.
6. NO WORK ACTIVITY OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIALS SHALL OCCUR WITHIN A BUFFER SPACE.

MAINTENANCE AND PROTECTION OF TRAFFIC - 30 MPH
REFER TO M.U.T.C.D. MANUAL

2 / C124 **TRAFFIC CONTROL AT SHOULDER CLOSURE**
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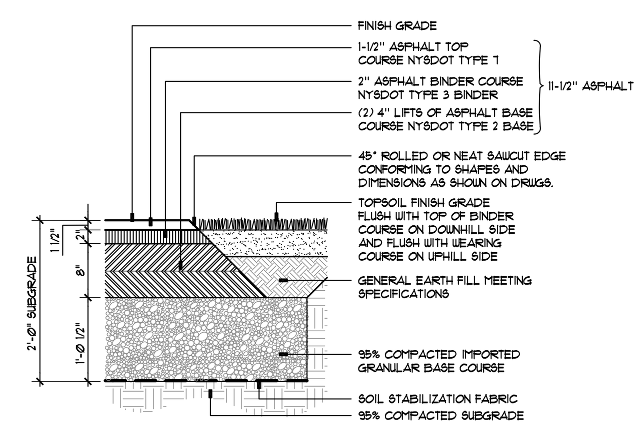
LEGEND FOR LANE & SHOULDER WORK:	
◄	CHANNELIZING DEVISES (CONES FOR DAYTIME SETUPS AND DRUMS FOR NIGHTTIME AND NON-WORKING HOURS SETUPS)
☼	TYPE 'A' FLASHER
┤	SIGNS (NYS MUTCD) WITH SIGN MOUNTED WARNING FLAG
Ⓕ	FLAG TREE
□─•	FLAGGER
▨	WORK AREA



1 / C124 **NYSDOT - HEAVY DUTY ASPHALT**
SECTION • NOT TO SCALE 3212-011
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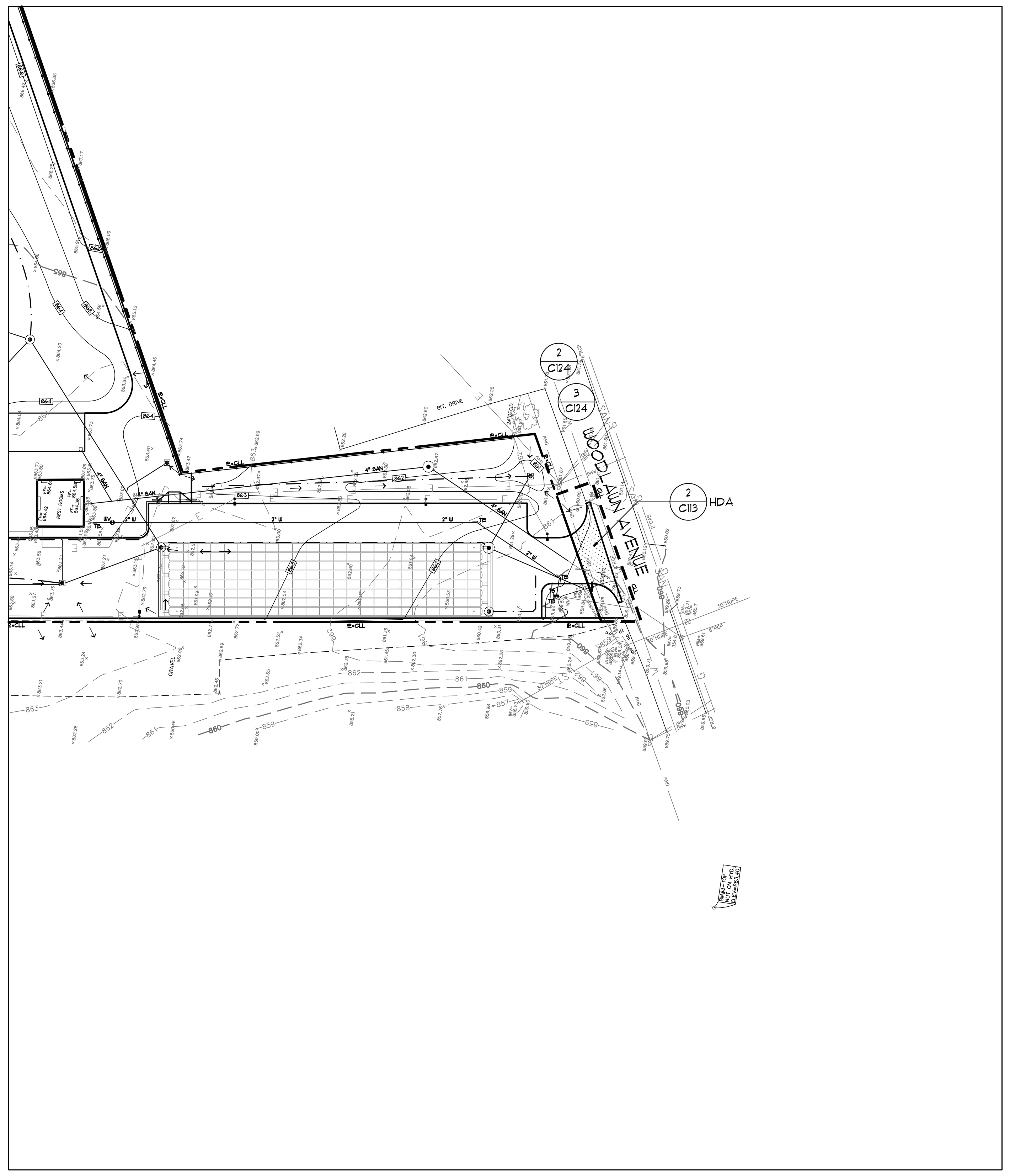


TOWN/COUNTY - RIGHT OF WAY PLAN WOODLAWN AVENUE

NORTH
0 20 40 80 120 SCALE IN FEET

D.O.T. NOTES

1. GENERAL
   A. THE CONTRACTOR SHALL MAINTAIN TRAFFIC AND IS SOLELY RESPONSIBLE FOR SAFETY THROUGHOUT THE LENGTH AND DURATION OF THE CONTRACT IN ACCORDANCE WITH THE 2003 EDITION OF THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (NMUTCD) AND THE NEW YORK STATE SUPPLEMENT (WWW.NYSDOT.GOV). PROTECTION OF TRAFFIC (M4PT) DETAILS IN THE PLAN AND PROPOSAL OR AS DIRECTED BY THE OSWEGO COUNTY ENGINEER. THE CONTRACTOR SHALL COORDINATE PROCEDURES WITH THE NYS ENGINEER (EIC) ON A REGULAR BASIS.
   B. FOR TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES IN CONSTRUCTION AREAS NOT SPECIFIED IN THE PLANS, THE PROVISIONS IN 5H3 2003 EDITION OF NMUTCD SHALL APPLY, THE STANDARDS OF APPLICATION NOTED THEREIN AND ON THE PLANS ARE TO BE CONSIDERED MINIMUM STANDARDS. WHERE OPTIONS EXIST FOR SIGN SHAPE, THE DIAMOND SHAPE SHALL BE USED.
2. LANE CLOSURES (IF NEEDED)
   A. THE CONTRACTOR SHALL SCHEDULE WORK SO THAT ALL TRAVEL LANES IN EACH DIRECTION ARE OPEN WHEN THE CONTRACTOR'S OPERATIONS ARE CLOSED DOWN OR NO WORK REQUIRING THE CLOSING OF LANES SUBSTANTIALLY CLOSED DOWN. NO LANE CLOSURES WILL BE PERMITTED BETWEEN 6:30-8:30AM AND 4-6PM.
   B. THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC OR SHALL PROVIDE FLAGGERS AS SHOWN ON PLANS TO CONTROL TRAFFIC MOVEMENT AT THE SITE OF WORK OPERATIONS REQUIRING TEMPORARY LANE CLOSINGS.
   C. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OF TRAFFIC, THE MINIMUM WIDTH OF A TRAVELED LANE SHALL BE 11'-0".
   D. IF, IN THE OPINION OF THE ENGINEER, LANE CLOSURES ARE CREATING SIGNIFICANT DELAYS TO TRAFFIC OR ARE CREATING A SAFETY CONCERN DUE TO SLOWED OR STOPPED TRAFFIC, AFFECTED LANE CLOSURES SHALL BE REMOVED AND THE ROADWAY OPENED TO TRAFFIC AS DIRECTED BY THE ENGINEER."
3. WORK AREA COORDINATION
   A. WHEN TWO OR MORE WORK AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL ENSURE THERE IS NOT CONFLICT IN SIGNING AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.
   B. THE CONTRACTOR SHALL COORDINATE ALL CONTRACT WORK WITH ANY UTILITY WORK, SUBCONTRACTOR WORK, PUBLIC MAINTENANCE, OPERATIONS OR OTHER CONSTRUCTION ACTIVITIES IN THE AREA TO ENSURE THAT THERE ARE NO MAINTENANCE AND PROTECTION OF TRAFFIC CONFLICTS.
4. CONES, DRUMS, BARRICADES AND MARKERS
   A. WHERE POSSIBLE, ALL CHANNELIZING/DELINEATION DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM OF 0.6 m CLEARANCE TO THE TRAVELED WAY UNLESS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE CERTAIN THAT PLACEMENT OF CONES, DRUMS AND MARKERS, OR BARRICADES SHALL NOT INTERFERE WITH SIGHT DISTANCE.
   B. LONGITUDINAL SPACING SHALL BE 0.3 m FOR EVERY MPH OF THE SPEED LIMIT BUT NOT MORE THAN 12 m. I.E 30 MPH = 9 m SPACING. REDUCED SPACING MAY BE REQUIRED AS SHOWN ON THE PLANS.
   C. WHERE POSSIBLE, A LATERAL BUFFER SPACE OF 0.3 m SHOULD BE PROVIDED BETWEEN THE WORK ZONE AND THE LINE OF DELINEATION DEVICES.
5. VEHICLE RESTRICTIONS
   A. WHENEVER CONSTRUCTION CONDITIONS RESTRICT PASSAGE BY OVERSIZED VEHICLES ON STATE HIGHWAYS, THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE REGIONAL PERMIT ENGINEER. THE NOTICE SHALL INCLUDE THE EXACT LOCATION, NATURE AND MAXIMUM ALLOWABLE WIDTH, WEIGHT, AND OTHER PERTINENT FACTORS. THIS WRITTEN NOTICE SHALL BE GIVEN ONE WEEK PRIOR TO THE BEGINNING OF THE RESTRICTION. VERBAL NOTICE SHALL BE GIVEN UPON TERMINATION OF THE RESTRICTION.
   B. THE CONTRACTOR SHALL ALSO GIVE VERBAL NOTICE AT THE BEGINNING AND END OF A RESTRICTION ON ANY ROADWAY.
6. PRELIMINARY WORK
   PRIOR TO THE START OF ANY WORK OPERATIONS, ALL RELATED WORK FOR PROPOSED MAINTENANCE AND PROTECTION OF TRAFFIC, AS DETERMINED BY THE ENGINEER, SHALL BE COMPLETE. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL SIGNS, SIGNALS, PAVEMENT MARKINGS, BARRIERS, DELINEATION (CONES, DRUMS, ETC.), FLAGGERS, PAVEMENT MODIFICATIONS, AND ANY OTHER RELATED WORK.
7. SIGNS
   A. THE CORRECT SEQUENCE AND SPACING OF APPROPRIATE SIGNS, WHETHER PERMANENT, TEMPORARY, OR CONSTRUCTED, MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE NYS NMUTCD, THE PLANS, AND AS DIRECTED BY THE ENGINEER.
   B. COLORS USED FOR CONSTRUCTION SIGNING (INCLUDING TEMPORARY OR MODIFIED GUIDE SIGNS) SHALL BE BLACK LEGEND ON FLUORESCENT ORANGE BACKGROUND WITH THE FOLLOWING EXCEPTIONS:
   EMERGENCY SERVICE MARKERS, ROUTE MARKERS AND THEIR CORRESPONDING AUXILIARY SIGNS SHALL BE THE COLORS SPECIFIED IN 2003 EDITION OF NMUTCD AND NYS SUPPLEMENT, (ANY AUXILIARY SIGNS WHICH ARE NOT INCLUDED SHALL BE BLACK LEGEND ON ORANGE BACKGROUND.) BLANK COVERS USED TO COVER PORTIONS OF EXISTING SIGNS SHALL BE A COLOR AND REFLECTORIZED MATERIAL MATCHING THAT OF THE SIGN BEING PARTIALLY COVERED. ANY REGULATORY SIGNS REQUIRED SHALL BE THE COLOR SPECIFIED IN THE 2003 EDITION OF NMUTCD AND NYS SUPPLEMENT.
   C. IF ADVANCE SIGNING OBSTRUCTS THE VISIBILITY OF THE FLAGGER OR CONFLICTS WITH DRIVEWAYS OR SIDE ROADS, SIGNS SHOULD BE MOVED UPSTREAM AS DIRECTED BY THE ENGINEER.
   D. ALL SIGNS NECESSARY FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC (INCLUDING RELOCATION AND/OR MODIFICATION AND/OR RESTORATION OF EXISTING SIGN PANELS) AS NOTED IN THE PLANS. STANDARD SPECIFICATIONS, NMUTCD SHALL BE INCLUDED IN THE BID.
   E. MANY EXISTING SIGNS ARE NEW AND THEREFORE IN VERY GOOD CONDITION. ANY EXISTING DAMAGE IS TO BE DOCUMENTED AND ANY SUBSEQUENT DAMAGE REMEDIED. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE DONE, DUE TO THE CONTRACTOR'S METHODS. TO TEMPORARILY REMOVE, RELOCATE OR COVER SIGNS PANELS OR SIGN TEST.
8. PUBLIC INGRESS AND EGRESS
   A. THE CONTRACTOR SHALL PROVIDE ADJACENT PROPERTY OWNERS WITH PROPER ACCESS TO THEIR DRIVEWAYS AND SHALL MAINTAIN THEM THROUGH ALL PHASE WORK AREAS AND SHALL DELINEATE THEM BY MEANS OF SIGNS, CONES, AND OR DRUM AOBE. THE COSTS FOR SIGNS SHALL BE INCLUDED THE BASE BID CONTRACT.
   B. WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE HIGHWAY WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE, ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE ERECTED AND FLAGGERS POSTED AT APPROPRIATE LOCATIONS.
9. CONSTRUCTION INGRESS AND EGRESS
   A. VEHICLES, MATERIALS AND/OR EQUIPMENT, INCLUDING OUT OF SERVICE SIGNS, SHALL NOT BE PARKED OR STORED WITHIN 10m OF A ROADWAY USED BY THE GENERAL PUBLIC OR ANOTHER AREAS DEEMED HAZARDOUS BY THE EIC.
   B. CONTRACTOR VEHICLES SHALL BE PARKED INSIDE THE CONSTRUCTION SITE AND NOT ALONG CAYUGA STREET.
10. FLAGGERS
   A. WHEN FLAGGERS ARE BEING USED FOR TRAFFIC CONTROL PURPOSES, FLAGGER SIGNS (W8-22) SHALL BE PLACED AS SHOWN ON PLANS OR ON ALL APPROACHES TO THE AREAS BEING FLAGGED. THE COST OF FLAGGER SIGNS SHALL BE INCLUDED IN THE BASE BID. FLAGGER SIGNS SHALL NOT BE VISIBLE WHEN FLAGGERS ARE NOT BEING USED.
   B. STOP/SLOW PADDLES SHALL BE USED FOR FLAGGING AND SHALL CONFORM TO THE REQUIREMENTS IN THE 2003 EDITION OF NMUTCD AND NYS SUPPLEMENT, BUT SHALL BE A MINIMUM OF 600 mm. THE COST OF THESE PADDLES AND ALL FLAGGERS SHALL BE INCLUDED IN THE BASE BID.
   C. FLAGGERS SHALL NOT POSITION THEMSELVES DIRECTLY IN THE PATH OF ONCOMING TRAFFIC. THE FLAGGER SHOULD STAND EITHER ON THE SHOULDER ADJACENT TO THE TRAFFIC BEING CONTROLLED OR IN THE CLOSED/CHANNELIZED LANE. AT ALL TIMES, THE CONTRACTOR SHALL PROVIDE FLAGGERS WITH A CLEAR ESCAPE PATH, FREE OF PARKED VEHICLES, EQUIPMENT OR OTHER OBSTACLES.
   D. THE CONTRACTOR SHALL PROVIDE FLAGGERS WHERE SIGHT DISTANCES ARE IMPAIRED BY THE OPERATION OR AS DIRECTED.
   E. FLAGGERS SHALL BE REQUIRED TO USE TWO-WAY RADIOS, WALKIE-TALKIES, OR OTHER FORMS OF ENHANCED COMMUNICATION WHEN ONE FLAGGER IS NOT VISIBLE TO THE OTHER OR IF THE ENGINEER DEEMS IT NECESSARY.
   F. FLAGGERS SHALL USE THE FREE HAND FOR EMPHASIS AS SHOWN IN THE 2003 EDITION NMUTCD AND NYS SUPPLEMENT. EACH FLAGGER SHALL CONTROL NO MORE THAN ONE APPROACH OF TRAFFIC UNLESS THE APPROACHES PRESENT UNUSUALLY LOW SPEEDS AND/OR UNUSUALLY LOW VOLUMES, WITH ADEQUATE SIGHT DISTANCE FOR THE SAFE HANDLING OF TRAFFIC, AS DETERMINED BY THE ENGINEER.
   G. THE ENGINEER SHALL DETERMINE THE NUMBER OF FLAGGERS NEEDED FOR EACH WORK ZONE. UNDER CERTAIN GEOMETRIC AND TRAFFIC SITUATIONS, MORE THAN ONE FLAGGER STATION MAY BE REQUIRED FOR EACH DIRECTION OF TRAFFIC.
11. MISCELLANEOUS
   A. MAINTENANCE AND PROTECTION OF TRAFFIC IS CONSIDERED SPECIAL/SKILLED WORK, AND ALL PROVISIONS OF SECTION 105-08 OF THE SPECIAL SPECIFICATIONS SHALL APPLY. A PERSON SHALL BE DESIGNATED AS THE PROJECT TRAFFIC CONTROL SUPERVISOR. THIS PERSONS NAME AND EXPERIENCE SHALL BE DOCUMENTED TO THE ARCHITECT.

TRAFFIC PLAN NOTES

VIEWS, NEAREST INTERSECTIONS AND SCOPE OF WORK - BOSTWICK STREET AND WOODLAWN AVENUE

1. THERE ARE NO OBSTRUCTED VIEWS TO THE NORTH OR SOUTH OF THE EXISTING CURB CUTS TO BE IMPROVED. THERE ARE EXISTING CURB CUTS THAT WILL BE MODIFIED FOR THE PROPOSED PARKING LOTS AT BOSTWICK STREET AND WOODLAWN AVENUE. WORK LOCATIONS ARE LOCATED ON STRAIGHT STRETCHES OF ROADWAY.
2. AT THE BOSTWICK STREET CURB CUT, THE NEAREST CROSS STREET TO THE EAST IS EAST STATE STREET LOCATED 775 FT. TO THE EAST OF THE PROPOSED DRIVEWAY ENTRANCE. THE NEAREST CROSS STREET TO THE WEST IS NYS ROUTE 812 LOCATED 245 FT. TO THE WEST OF THE PROPOSED DRIVEWAY ENTRANCE.
3. AT THE WOODLAWN AVENUE CURB CUT, THE NEAREST CROSS STREET TO THE EAST IS EAST STATE STREET LOCATED 865 FT. TO THE EAST OF THE PROPOSED DRIVEWAY ENTRANCE. THE NEAREST CROSS STREET TO THE WEST IS WEST STREET LOCATED 620 FT. TO THE WEST OF THE PROPOSED DRIVEWAY ENTRANCE.
4. ALL PAVEMENT WORK AND SHOULDER OR LANE CLOSURES ARE TO MEET NYSDOT STANDARDS.
5. COORDINATE WITH LEWIS COUNTY DOT/TOWN OF LOWVILLE TRANSPORTATION DEPARTMENT FOR ALL RIGHT OF WAY WORK PERMITS.

VIEWS, NEAREST INTERSECTIONS AND SCOPE OF WORK - NORTH MAIN STREET (NYS ROUTE 26)

1. THERE ARE NO OBSTRUCTED VIEWS TO THE NORTH OR SOUTH OF THE AREA OF PROPOSED RIGHT OF WAY WORK. WORK LOCATION IS LOCATED ON A STRAIGHT STRETCH OF ROADWAY.
2. THE NEAREST CROSS STREET TO THE NORTH IS WATERS TERRACE LOCATED 100 FT. TO THE NORTH OF THE PROPOSED AREA OF RIGHT OF WAY WORK. THE NEAREST CROSS STREETS TO THE SOUTH ARE THE PARKWAY AND TRINITY AVENUE LOCATED 235 FT. TO THE SOUTH OF THE AREA OF RIGHT OF WAY WORK.
3. ALL PAVEMENT WORK AND SHOULDER OR LANE CLOSURES ARE TO MEET NYSDOT STANDARDS.
4. COORDINATE WITH NYSDOT FOR ALL RIGHT OF WAY WORK PERMITS.

NYSDOT AND TOWN/VILLAGE OF LOWVILLE/LEWIS COUNTY HIGHWAY DEPARTMENT ENGINEER CONTACT INFORMATION:

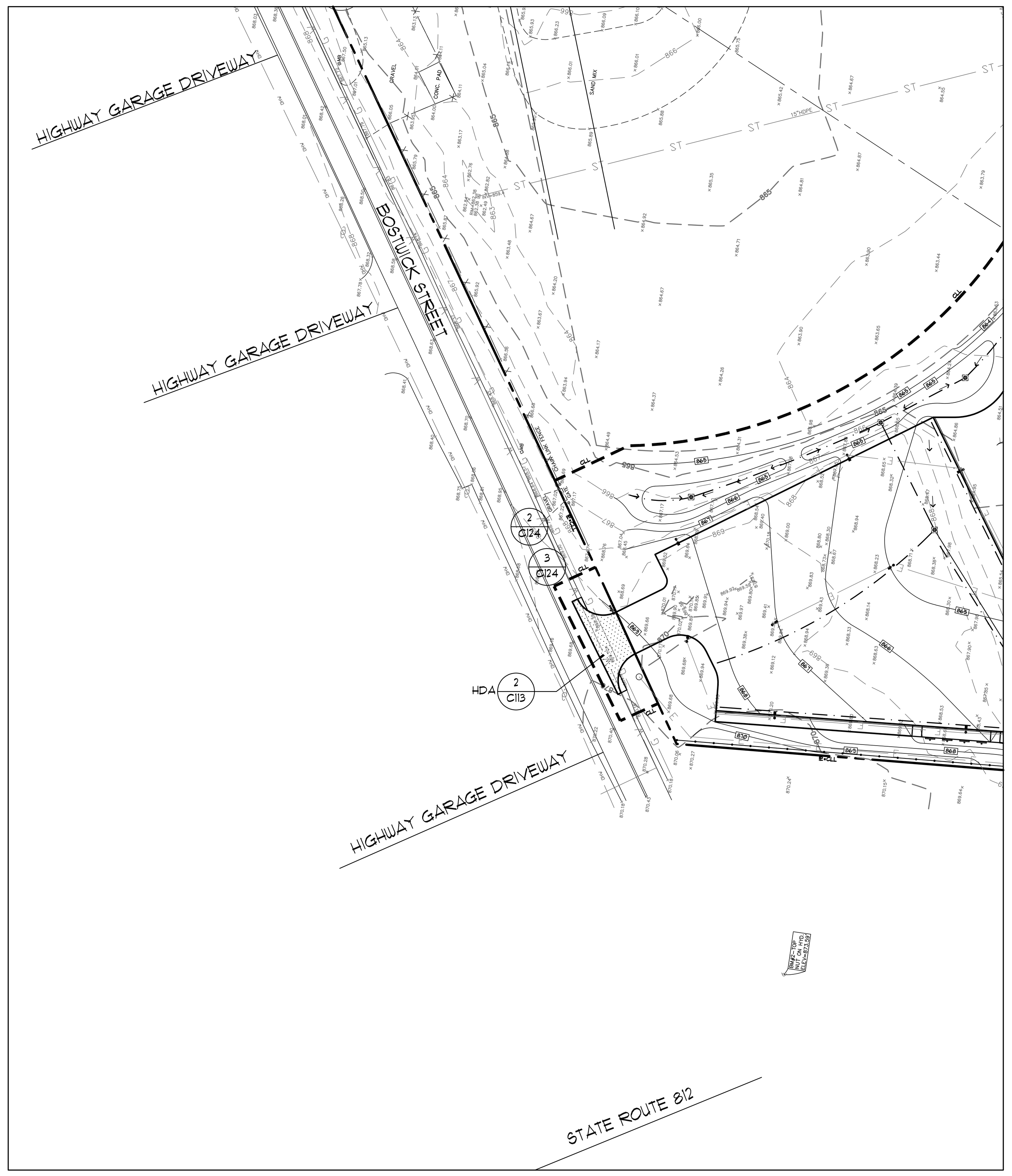
NYSDOT REGION #7
NAME: KENNETH BIBBINS, P.E.
ADDRESS: 317 WASHINGTON STREET, WATERTOWN, NY 13601
PHONE: 315-785-2333

TOWN/VILLAGE OF LOWVILLE DOT
NAME: TBD
ADDRESS: 7514 S STATE STREET, LOWVILLE, NY 13367
PHONE: 315-376-2834

LEWIS COUNTY DOT
NAME: TIM HUNT, SUPERINTENDENT
ADDRESS: 7660 NORTH STATE STREET, LOWVILLE, NY 13367
PHONE: 315-376-5350

NYSDOT RIGHT OF WAY WORK PLAN NORTH STATE STREET (NYS RT 26)

NORTH
0 30 60 120 180 SCALE IN FEET



TOWN/COUNTY - RIGHT OF WAY PLAN BOSTWICK STREET

NORTH
0 20 40 80 120 SCALE IN FEET

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
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marchassoc.com

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REGISTERED LANDSCAPE ARCHITECT · CORY MICHAEL JENNER · 002097 · STATE OF NEW YORK
EXP. 09/30/2025

LOWVILLE ACADEMY & CENTRAL SCHOOL MAIN BUILDING CAPITAL PROJECT

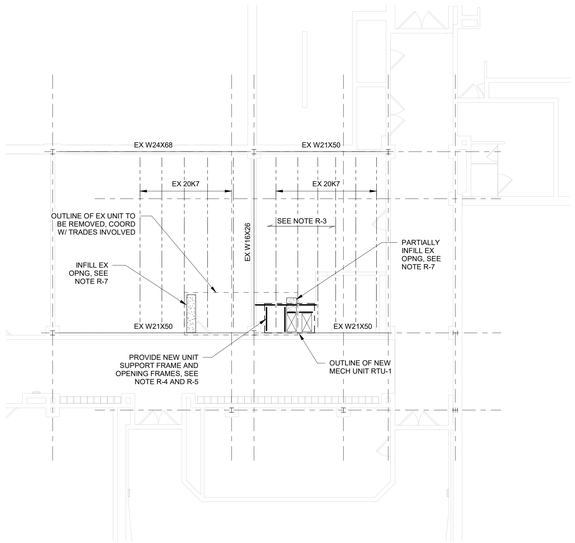
7668 State Street, Lowville, New York 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE

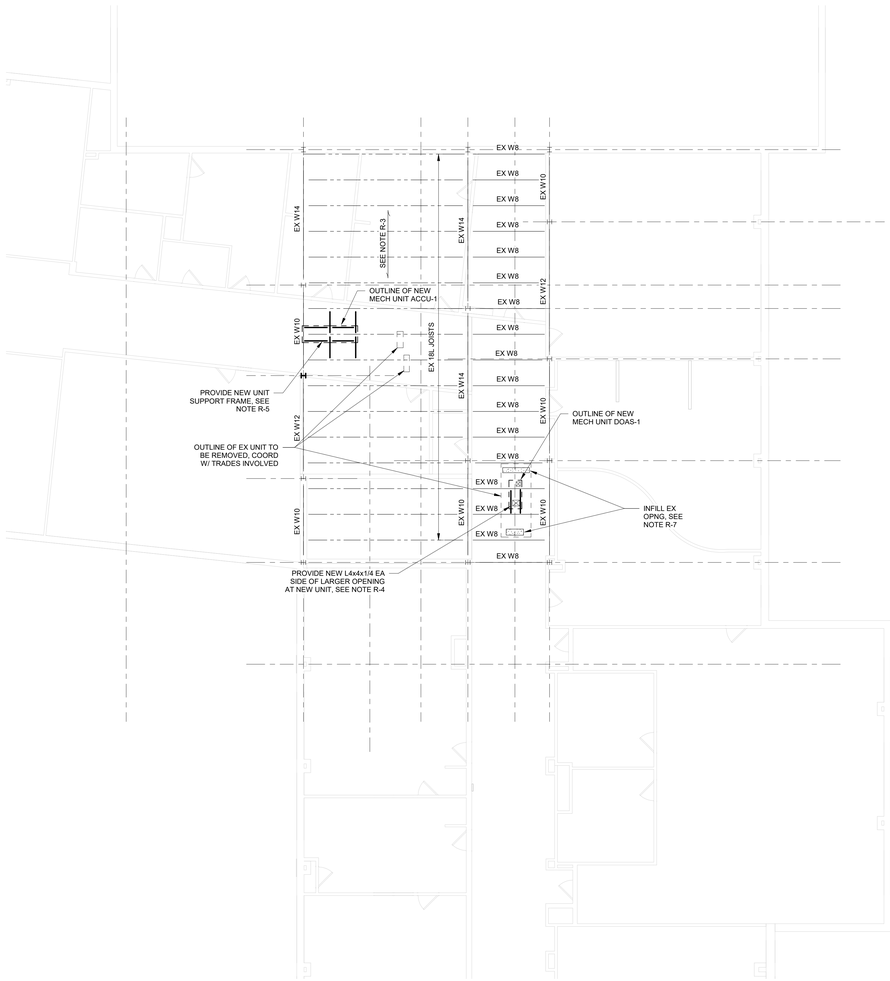
REVISIONS	
DATE	NOVEMBER 30, 2023
DRAWN BY	BM
CHECKED BY	CJ
SCALE	AS SHOWN
PROJECT NO.	2194

DRAWING TITLE
CURB CUT PLANS, NOTES AND DETAILS BOSTWICK AND ACADEMY

DRAWING NO.
C124



1 S101 PARTIAL ROOF FRAMING PLAN - AREA B
1/8" = 1'-0"



2 S101 PARTIAL ROOF FRAMING PLAN - AREA C
1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

R-1. REF DATUM FOR EXISTING BUILDING FIN FIRST FLOOR EL. 0'-0"

R-2. T/ LOCAL ROOF STEEL (UNDERSIDE OF ROOF DECK) = +21'-10 1/2" ABOVE REF DATUM IN NOTE R-1

R-3. EXISTING ROOF DECK: 2" POURED GYPSUM ON 1" INSULATION FORMBOARD. SEE PLAN FOR DIRECTION OF SPAN.

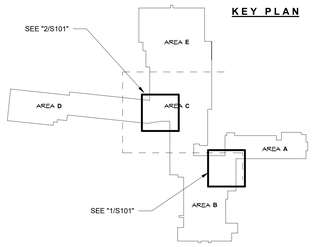
R-4. SEE DWG S201 FOR TYP FRAMING DETAILS, DESIGN PARAMETERS AND GENERAL NOTES.

R-5. PROVIDE ROOF OPENING FRAMES PER TYPICAL DETAILS ON DWG S201 FOR ALL ROOF OPENINGS GREATER THAN OR EQUAL TO 12" IN ANY DIRECTION. CONTRACTOR SHALL REVIEW ALL CONTRACT DRAWINGS FOR OPENINGS REQUIRED AND COORDINATE OPENING SIZES AND LOCATIONS WITH APPROVED EQUIPMENT OR ACCESSORIES SHOP DRAWINGS AND TRADE INVOLVED.

R-6. PROVIDE MECHANICAL UNIT SUPPORT FRAMES PER TYPICAL DETAILS ON DWG S201 FOR ALL MECH UNITS. CONTRACTOR SHALL REVIEW ALL CONTRACT DRAWINGS FOR MECHANICAL UNITS REQUIRED AND COORDINATE SIZES AND LOCATIONS WITH APPROVED EQUIPMENT OR ACCESSORIES SHOP DRAWINGS AND TRADE INVOLVED.

R-7. SEE TYPICAL DECK INFILL DETAILS ON DRAWING S201.

KEY PLAN



MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.5344
marchassoc.com

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IES Solutions
1721 Black River Blvd
Rome, NY 13340
315 339-7855
IES #2023-010.1

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

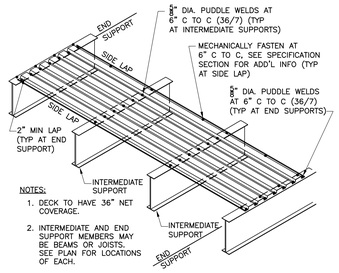
NO	DESCRIPTION	BY	DATE

REVISIONS

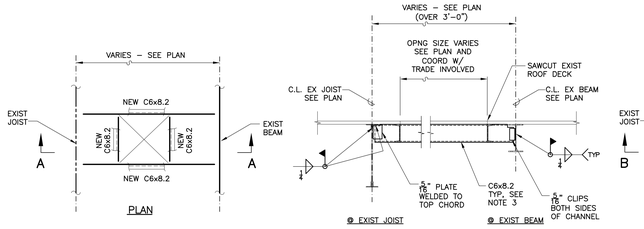
DATE	NOVEMBER 30, 2023
DRAWN BY	TJP
CHECKED BY	DRC
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL ROOF FRAMING PLANS

DRAWING NO.
S101

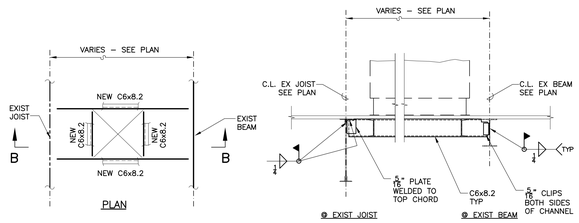


1 S201 TYPICAL ROOF DECK ATTACHMENT
NTS



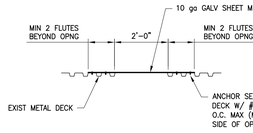
2 S201 TYPICAL NEW FRAME FOR OPENING IN EXIST ROOF DECK
NTS

NOTE:
1. IF EDGE OF NEW OPENING IS LOCATED LESS THAN 6" FROM EDGE OF JOIST TOP CHORD OR BEAM TOP FLANGE, OMIT CHANNEL ON THIS SIDE OF OPENING.
2. G.C. SHALL REVIEW ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ANY REQUIRED ROOF OPENINGS AND SHALL FIELD VERIFY EXIST ROOF FRAMING AND PROVIDE NEW OPENING FRAME.
3. DETAIL APPLIES TO NEW OPENINGS LOCATED AT AREAS WHERE EXIST ROOF STEEL MEMBERS ARE SPACED MORE THAN 3'–0" APART. G.C. MAY USE L4x4x$\frac{1}{4}$"s FOR OPENING FRAMES AT AREAS WITH SPACING AT 3'–0" OR LESS.

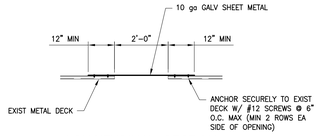


3 S201 TYPICAL NEW FRAME FOR MECH UNIT ON EXIST ROOF DECK
NTS

NOTE:
1. IF EDGE OF NEW UNIT IS LOCATED LESS THAN 6" FROM EDGE OF JOIST TOP CHORD OR BEAM TOP FLANGE, OMIT CHANNEL ON THIS SIDE OF UNIT
2. G.C. SHALL REVIEW ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ANY REQUIRED ROOF UNITS AND SHALL FIELD VERIFY EXIST ROOF FRAMING AND PROVIDE NEW FRAME.



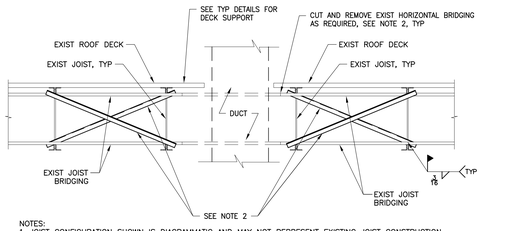
TRANSVERSE SECTION



LONGITUDINAL SECTION

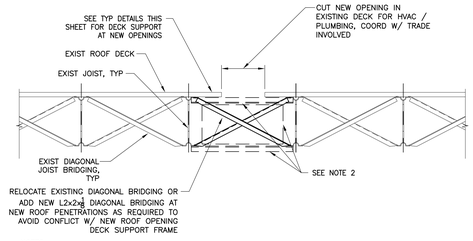
NOTES:
1. REMOVE EXIST ABANDONED CURBS PRIOR TO INSTALLING CLOSURE PLATES.
2. DETAIL IS FOR EXISTING ROOF OPENING 2'–0" WIDE OR LESS IN THE LONG DIRECTION OF THE EXIST OPENING. SEE DETAIL "7/S201" FOR INFILL OF LARGER ROOF OPENING.
3. G.C. IS RESPONSIBLE FOR INFILLING ALL EXISTING ABANDONED OPENINGS REGARDLESS IF SHOWN ON STRUCTURAL DRAWINGS OR NOT. G.C. IS RESPONSIBLE FOR REVIEWING ALL CONTRACT DOCUMENTS TO DETERMINE ALL NECESSARY ROOF OR FLOOR OPENING INFILLS.
4. DETAIL MAY ALSO BE USED AT NON FLUTED ROOF DECK. EXTENT PLATE MIN 12" BEYOND EXISTING OPENING ALL AROUND.

6 S201 TYPICAL ROOF DECK CLOSURE PLATE
NTS



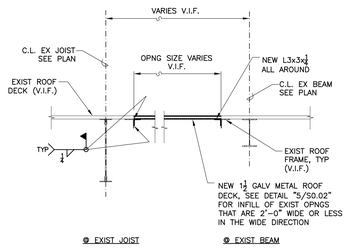
NOTES:
1. JOIST CONFIGURATION SHOWN IS DIAGRAMMATIC AND MAY NOT REPRESENT EXISTING JOIST CONSTRUCTION.
2. IF EXISTING HORIZONTAL JOIST BRIDGING MUST BE REMOVED FOR VERTICAL DUCTWORK, PLUMBING OR ELECTRICAL WORK RUNNING BETWEEN JOISTS, PROVIDE NEW L2x2x$\frac{1}{4}$ DIAGONAL BRIDGING E.W. ON EACH ADJACENT BAY PRIOR TO CUTTING EXISTING HORIZONTAL BRIDGING.
3. LOCATIONS REQUIRING EXISTING HORIZONTAL BRIDGING REPAIR ARE NOT SHOWN ON STRUCTURAL DRAWINGS. G.C. TO REVIEW MEP DRAWINGS AND PROVIDE REPAIR AS REQUIRED.

4 S201 TYPICAL HORIZ JOIST BRIDGING REPAIR AT DUCTWORK / PLUMBING / ELECTRICAL
NTS



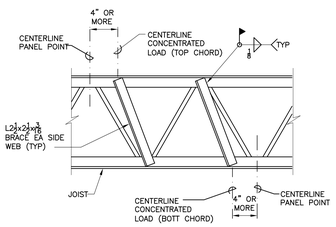
NOTES:
1. JOIST CONFIGURATION SHOWN IS DIAGRAMMATIC AND MAY NOT REPRESENT EXISTING JOIST CONSTRUCTION.
2. IF EXISTING DIAGONAL JOIST BRIDGING MUST BE REMOVED FOR HORIZONTAL DUCTWORK, PLUMBING OR ELECTRICAL WORK RUNNING BETWEEN JOISTS, PROVIDE HORIZONTAL TOP AND BOTTOM CHORD BRIDGING IN PLACE OF REMOVED DIAGONALS AT EXIST BRIDGING LOCATION
3. LOCATIONS REQUIRING EXISTING DIAGONAL BRIDGING REPAIR ARE NOT SHOWN ON STRUCTURAL DRAWINGS. G.C. TO REVIEW MEP DRAWINGS AND PROVIDE REPAIR AS REQUIRED.

5 S201 TYPICAL DIAGONAL JOIST BRIDGING REPAIR AT DUCTWORK / PLUMBING / ELECTRICAL
NTS



NOTES:
1. ATTACH NEW DECK TO NEW ANGLES OR CHANNELS WITH $\frac{5}{8}$" PUDDLE WELDS AT 6" O.C. ALL AROUND.
2. G.C. IS RESPONSIBLE FOR INFILLING ALL EXISTING ABANDONED OPENINGS REGARDLESS IF SHOWN ON STRUCTURAL DRAWINGS OR NOT; G.C. IS RESPONSIBLE FOR REVIEWING ALL CONTRACT DOCUMENTS TO DETERMINE ALL NECESSARY ROOF OR FLOOR OPENING INFILLS.

7 S201 TYPICAL ROOF DECK INFILL
NTS



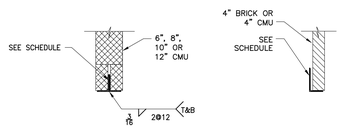
NOTES:
1. WHERE THE JOIST SUPPORTS A CONCENTRATED LOAD AT A LOCATION OTHER THAN A JOIST PANEL POINT REINF AS SHOWN.
2. IF THE CONCENTRATED LOAD IS WITHIN 4" OF A JOIST PANEL POINT, REINFORCING IS NOT REQUIRED.
3. COORDINATE JOIST PANEL POINT REINF W/ HVAC.
4. JOIST TOP AND BOTTOM CHORD CONFIGURATION SHOWN IS DIAGRAMMATIC AND MAY NOT REPRESENT EXISTING JOIST CONSTRUCTION.
5. NEW FRAMING SHALL BE PRIMED AND PAINTED TO MATCH EXISTING. TOUCH–UP NEW AND EXISTING AS REQ'D AFTER FIELD INSTALLATION.

8 S201 JOIST REINFORCEMENT AT CONCENTRATED LOADS
NTS

LINTEL SCHEDULE

MARK	CLEAR OPENING	SIZE	WALL TYPE	REMARKS
L–1	UP TO 7'–0"	2L 3x2½x$\frac{5}{16}$ LLV	6" CMU TYPE 1	—
L–2	UP TO 7'–0"	2L 6x3½x$\frac{5}{16}$ LLV	8" CMU TYPE 1	—
L–3	UP TO 7'–0"	2L 6x4x$\frac{5}{16}$" LLV	10" CMU TYPE 1	—
L–4	UP TO 7'–0"	2L 5x5x$\frac{5}{8}$	12" CMU TYPE 1	—
L–5	LESS THAN 4'–0"	L4x4x$\frac{5}{8}$"	4" BRICK OR 4" CMU TYPE 2	—
L–6	4'–8' FT	L7x4x$\frac{5}{8}$" (LLV)	4" BRICK OR 4" CMU TYPE 2	—

NOTES:
1. ALL NEW OPENINGS IN EXISTING AND NEW MASONRY WALLS MAY NOT BE SHOWN ON STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL NEW OPENINGS REQUIRED IN EXISTING AND NEW CMU WALLS AND PROVIDE NEW STEEL LINTELS PER SCHEDULE. (1 ANGLE PER EVERY 4" WYTHE OF MASONRY U.O.N.)
2. NEW PENETRATIONS 16" OR SMALLER THROUGH EXIST AND NEW MASONRY WALLS DO NOT NEED LINTELS. PROVIDE LINTELS IN EXIST AND NEW MASONRY WALLS FOR NEW PENETRATIONS GREATER THAN 16" IN WIDTH OR IF NEW OPENING IS DIRECTLY BELOW BEAM OR JOIST BEARING POCKET (NEW OPENINGS THAT ARE LOCATED LESS THAN 3 COURSES ABOVE NEW OPENING REQUIRE A NEW STEEL LINTEL PER THE SCHEDULE).
3. PROVIDE 8" BEARING EACH END. IF 8" BEARING CANNOT BE ACHIEVED DUE TO THE PRESENCE OF A STEEL COLUMN, EXTEND LINTEL AS REQUIRED AND ATTACH TO STEEL COLUMN.
4. FOR SPANS NOT LISTED, CONSULT A/E.
5. ALL LINTELS IN EXTERIOR WALLS SHALL BE HOT–DIPPED GALVANIZED FINISH. SEE SPECIFICATIONS
6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS ASSOCIATED WITH INSTALLATION OF ALL STEEL LINTELS, INCLUDING BUT NOT LIMITED TO DESIGN, INSTALLATION, AND REMOVAL OF ALL TEMPORARY SHORING AND BRACING AS REQUIRED FOR THE EXISTING STRUCTURE AND BUILDING FEATURES TO REMAIN. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH OBTAINING THE SERVICES OF A QUALIFIED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK TO PREPARE THE REQUIRED DESIGN AND SHORING DOCUMENTS TO PERFORM THIS WORK. THESE DOCUMENTS SHALL BE SIGNED AND SEALED BY THE LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN AND PREPARATION OF THESE DOCUMENTS AND SHALL BE SUBMITTED TO THE A/E FOR RECORD.



TYPE 1 TYPE 2

9 S201 STEEL LINTEL SCHEDULE
3/4"=1'–0"

DESIGN PARAMETERS

D–1 REFERENCE BUILDING CODE: 2020 BUILDING CODE OF NEW YORK STATE (BCNYS) NOVEMBER 2019

D–2 LIVE LOADS:
- a) ROOF LIVE LOAD = 20 PSF
- b) FLOORS:
  1. LOBBIES AND CORRIDORS = 100 PSF
  2. STAIRS AND EXITS = 100 PSF
  3. SLABS ON GRADE = 100 PSF
  4. CLASSROOMS = 40 PSF
  5. LABORATORIES = 60 PSF
  6. TOILET ROOMS = 60 PSF
  7. MECHANICAL ROOMS = 150 PSF

D–3 ROOF SNOW LOAD:
- a) GROUND SNOW LOAD (Pg) = 70 PSF
- b) FLAT–ROOF SNOW LOAD:
  – AT HEATED SPACE (PF) = 53.9 PSF (PLUS DRIFTED SNOW)
- c) SNOW EXPOSURE FACTOR (Ce) = 1.0
- d) SNOW IMPORTANCE FACTOR (Is) = 1.1
- e) THERMAL FACTOR (Ct):
  – AT HEATED SPACE (PF) = 1.0
- f) RISK CATEGORY III (BCNYS REFERENCE CODE TABLE 1604.5/ASCE 7–16
- g) SNOW DRIFT SURCHARGE (Pd), SUPERIMPOSED ON THE FLAT–ROOF BALANCED SNOW LOAD (Pf) PER ASCE 7–16, APPLICABLE FOR EXISTING AREAS AFFECTED BY EXISTING HIGHER ROOFS.
- h) ROOF DESIGN SNOW LOAD (BALANCED SNOW):
  – AT HEATED SPACE (PF) = 53.9 PSF

D–4 WIND LOAD
- a) WIND SPEED (3–SECOND GUST), V = 120 MPH (BASIC WIND SPEED, BCNYS FIGURE 1609.3 (2), RISK CATEGORY III) V ASD = 93 MPH (NYS CODE TABLE 1609.3.1)
- b) RISK CATEGORY III (BCNYS REFERENCE CODE TABLE 1604.5/ASCE 7–16.
- c) WIND EXPOSURE CATEGORY B
- d) INTERNAL PRESSURE COEFFICIENT (GCpi) = +/– 0.18
- e) COMPONENTS AND CLADDING: POSITIVE (+) = INWARD PRESSURE NEGATIVE (–) = OUTWARD PRESSURE (SUCTION)

WALLS:	+20 PSF, –24 PSF WITHIN 6.5 FT OF CORNERS
	+20 PSF, –20 PSF ELSEWHERE
ROOF:	+10 PSF, –45 PSF WITHIN 6.5 FT OF CORNERS AND EDGE
	+10 PSF, –18 PSF ELSEWHERE

D–5 EARTHQUAKE LOADS
- a) RISK CATEGORY III (BCNY'S REFERENCE CODE TABLE 1604.5/ASCE 7–16).
- b) SEISMIC IMPORTANCE FACTOR: Ie=1.25
- c) SITE CLASS: SITE CLASS "C" (PER GEOTECH REPORT)
- d) SPECTRAL RESPONSE COEFFICIENTS:
  Sms=0.343g Sa=0.214g
  Sm1=0.155g S1=0.065g
  Sds=0.229g Fa=1.6
  Sd1=0.103g Fv=2.4
- e) SEISMIC DESIGN CATEGORY: DESIGN CATEGORY "B"

MISCELLANEOUS:

MS–1. INFORMATION FOR THE EXISTING BUILDING STRUCTURAL ELEMENTS WAS DERIVED FROM LIMITED EXISTING DRAWINGS AND LIMITED LOCALIZED FIELD WORK. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, MATERIALS AND EXISTING CONDITIONS AND SHALL NOTIFY ARCHITECT/ENGINEER (A/E) OF ALL DISCREPANCIES BEFORE STARTING WORK. THE CONTRACTOR SHALL USE EXTREME CARE TO PROTECT EXISTING BUILDING FEATURES AS REQ'D DURING REMOVALS AND INSTALLATION OF ALL NEW WORK.

STRUCTURAL STEEL / METAL DECK NOTES

S–1. STEEL ROOF AND FLOOR DECK SHALL CONFORM TO THE STEEL DECK INSTITUTE AND FACTORY MUTUAL STANDARDS. (TWO OR MORE SPAN LOADING CONDITIONS). TYPICAL ALL ROOF AND FLOOR AREAS UNLESS OTHERWISE NOTED. SEE PLAN FOR SIZE.

S–2. STRUCTURAL STEEL SHALL BE AS FOLLOWS EXCEPT AS OTHERWISE NOTED:
STRUCTURAL SHAPES – ASTM A992 (Fy = 50KSI)
STRUCTURAL TUBES – ASTM A500 (Fy = 46KSI) GRADE B
STRUCTURAL PIPE – ASTM A501 (Fy = 36KSI) OR ASTM A53, TYPE E OR S, GRADE B (Fy = 36KSI)
STRUCTURAL BARS, ANGLES, AND PLATES – ASTM A36 (Fy = 36KSI)

S–3. FINAL LOCATION OF ALL CLIP ANGLES ATTACHED TO BEAMS WHICH SUPPORT EXTERIOR AND INTERIOR WALLS SHALL BE COORDINATED WITH DIMENSIONAL REQUIREMENTS OF ARCHITECTURAL DETAILS AND SHALL BE INSTALLED ACCOUNTING FOR ROLLING TOLERANCES OF STEEL MEMBERS TO PROVIDE PROPER ALIGNMENT.

S–4. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND THE SPECIFICATIONS. REF SPECS FOR SHOP DRAWING REQUIREMENTS.

S–5. FABRICATE AND ERECT ALL STRUCTURAL STEEL WITH RESIDUAL MILL CAMBER UPWARDS U.O.N..

S–6. COORD ALL BEAMS AND COLUMNS TO BE FIREPROOFED WITH ARCHITECTURAL REQUIREMENTS SHOWN ON THE DRAWINGS OR AS SPECIFIED. ALL FIREPROOFED STEEL SHALL NOT BE PRIMED / PAINTED.

S–7. FIELD CONNECTIONS SHALL BE BOLTED WITH $\frac{3}{4}$" DIA ASTM A325 BOLTS (PROVIDE STD HOLES) EXCEPT AS OTHERWISE NOTED AND WHERE WELDING IS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. USE BEARING–TYPE CONNECTIONS WITH THREADS IN THE SHEAR PLANE AND SNUG TIGHT. (USE SLIP CRITICAL CONNECTION IF SLOTTED HOLES ARE USED OR AS INDICATED ON DRAWINGS).

S–8. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND SHALL NOTIFY ARCH/ENG OF ALL DISCREPANCIES PRIOR TO STARTING WORK.

S–9. CONTRACTOR SHALL USE EXTREME CARE AND PROVIDE ADD'L PROTECTION TO SAFEGUARD THE STRUCTURE FROM DAMAGE AND / OR FIRE DURING ALL CONSTRUCTION ACTIVITIES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO DEMOLITION, ERECTION, INSTALLATION, REINFORCEMENT, WELDING, ETC.

S–10. ALL WELDING SHALL COMPLY WITH THE AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE D1.1. ALL WELDING SHALL BE PERFORMED BY AWS QUALIFIED OPERATORS USING E70XX ELECTRODES. REMOVE ALL DIRT, GREASE, PAINT AND BURRS WITHIN 3" OF ALL WELDS.

S–11. METAL DECK; PLEASE NOTE THAT USE OF GIRDER FILLERS IS NOT ALLOWED. SHOP DRAWINGS SUBMITTED USING GIRDER FILLERS WILL BE RETURNED NOT REVIEWED AND WILL BE REQUIRED TO BE REVISED AND RESUBMITTED. NO EXCEPTIONS.

LEAD BASE PAINT NOTES

LBP–1 THE DEMOLITION, RENOVATION, AND RECONSTRUCTION WORK REQUIRED FOR THIS PROJECT WILL DISTURB LEAD–CONTAINING PAINT (LBP) CREATING THE POTENTIAL FOR LEAD EXPOSURE TO WORKERS AND BUILDING OCCUPANTS. REFER TO SECTION 02 8300 FOR REQUIREMENTS. THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATES OCCUPATIONAL EXPOSURE TO LEAD UNDER 29 CFR 1926.62, THE LEAD IN CONSTRUCTION STANDARD. ANY CONTRACTOR DISTURBING LEAD CONTAINING SURFACES SHALL COMPLY WITH ALL REQUIREMENTS OF THE REFERENCED REGULATION. THE INTENT IS FOR THE CONTRACTOR TO PROTECT HIS WORKERS AND BUILDING OCCUPANTS FROM EXPOSURE TO LEAD DURING THE WORK ACTIVITIES THAT DISTURB LEAD–CONTAINING PAINT AND LBP. THE CONTRACTOR SHALL ALSO COMPLY WITH THE US EPA RENOVATION, REPAIR AND PAINTING PROGRAM (RRP RULE). THIS REGULATION APPLIES ONLY TO CHILD OCCUPIED FACILITIES CONSTRUCTED BEFORE 1978. IT SHALL BE ASSUMED THAT ALL EXISTING STEEL BEAMS, COLUMNS, JOISTS, ETC. AFFECTED BY THE WORK ON THIS PROJECT CONTAIN LEAD COATINGS AND APPROPRIATE MEASURES SHALL BE TAKEN AS INDICATED ABOVE. THIS INCLUDES BUT IS NOT LIMITED TO; NEW ATTACHMENTS TO EXISTING STEEL FRAMING AND REINFORCEMENT TO EXISTING FRAMING. REFER TO THE SAMPLING REPORTS ON FILE FOR THIS PROJECT FOR FURTHER LBP LOCATIONS AND DETAILS.

MA MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.3344
marchassoc.com

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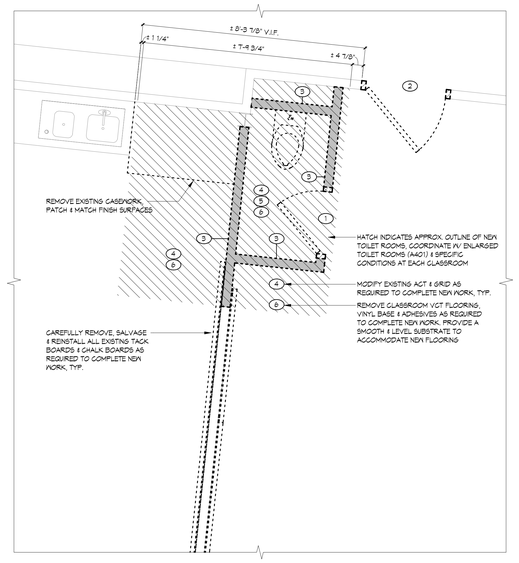
IE Solutions
1721 Black River Blvd
Rome, NY 13440
315-339-7855
IES # 2023–010.1

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO. 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	TJP		
CHECKED BY	DRC		
SCALE	AS NOTED		
PROJECT NO	2194.1		

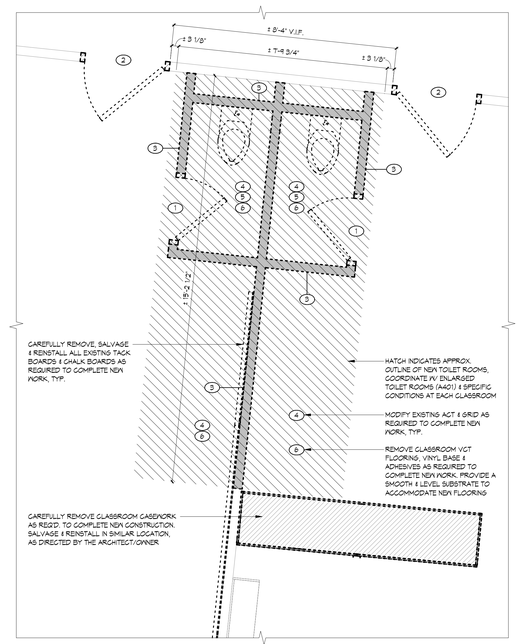
DRAWING TITLE
TYPICAL DETAILS, DESIGN PARAMETERS & GEN. NOTES

DRAWING NO.
S201



2 AD101 ENLARGED REMOVALS PLAN - ELEM. TOILET ROMOS (SINGLE)

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



3 AD101 ENLARGED REMOVALS PLAN - ELEM. TOILET ROOMS (DOUBLE)

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

REMOVALS LEGEND:

DENOTES EXISTING PARTITIONS TO BE REMOVED

DENOTES EXISTING ITEMS TO BE REMOVED

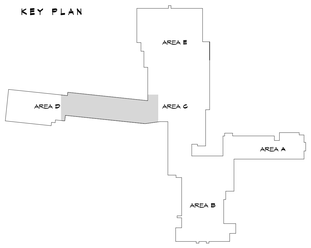
KEYED REMOVAL NOTES:

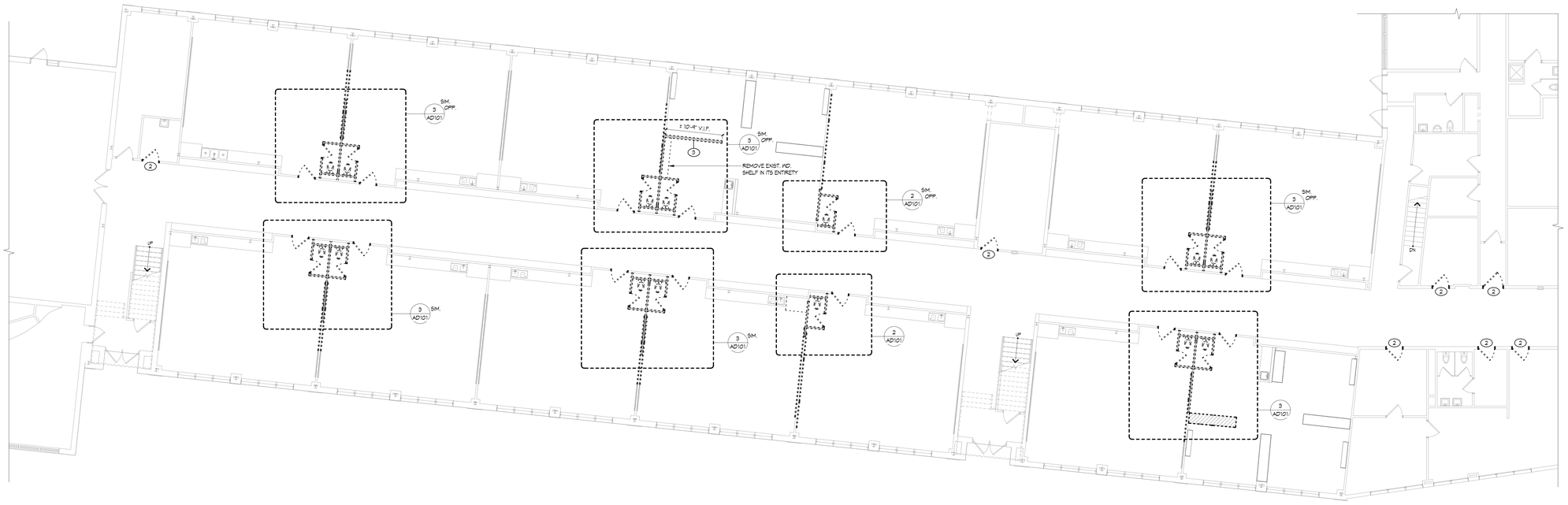
1. REMOVE DOOR, FRAME, HARDWARE & ALL ASSOCIATED CONSTRUCTION IN ITS ENTIRETY.
2. REMOVE DOOR & ALL ASSOCIATED HARDWARE IN ITS ENTIRETY (LENGTH AS SHOWN & REQUIRED TO COMPLETE NEW WORK). EXISTING HOLLOW METAL FRAME TO REMAIN. SALVAGE DOOR HOLD-OPEN MAGNET(S) FOR REUSE, WHERE APPLICABLE.
3. REMOVE MASONRY WALL, FULL HEIGHT, LENGTH AS SHOWN.
4. REMOVE SUSPENDED ACOUSTICAL CEILING SYSTEM IN ITS ENTIRETY, INCLUDING TILES, GRID, SUSPENSION SYSTEM & ALL ASSOCIATED CONSTRUCTION.
5. REMOVE TOILET ACCESSORIES & ALL ASSOCIATED HARDWARE IN IT'S ENTIRETY.
6. REMOVE VCT FLOORING & ADHESIVE IN ITS ENTIRETY. PROVIDE A SMOOTH & LEVEL SUBSTRATE TO ACCOMMODATE NEW FLOORING.

GENERAL REMOVAL NOTES:

1. PATCH ALL SURFACES DISTURBED BY REMOVALS TO MATCH ADJACENT CONSTRUCTION.
2. COORDINATE REMOVALS WITH OTHER TRADES.
3. REFER TO ROOF PLAN (A103) FOR ROOFING REMOVALS.

KEY PLAN





1 AD101 PARTIAL FIRST FLOOR REMOVALS PLAN

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

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.5544
marchassoc.com

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REGISTERED ARCHITECT JOHN DANIEL JACKSON 026964 STATE OF NEW YORK

VALID THROUGH 02/28/2026

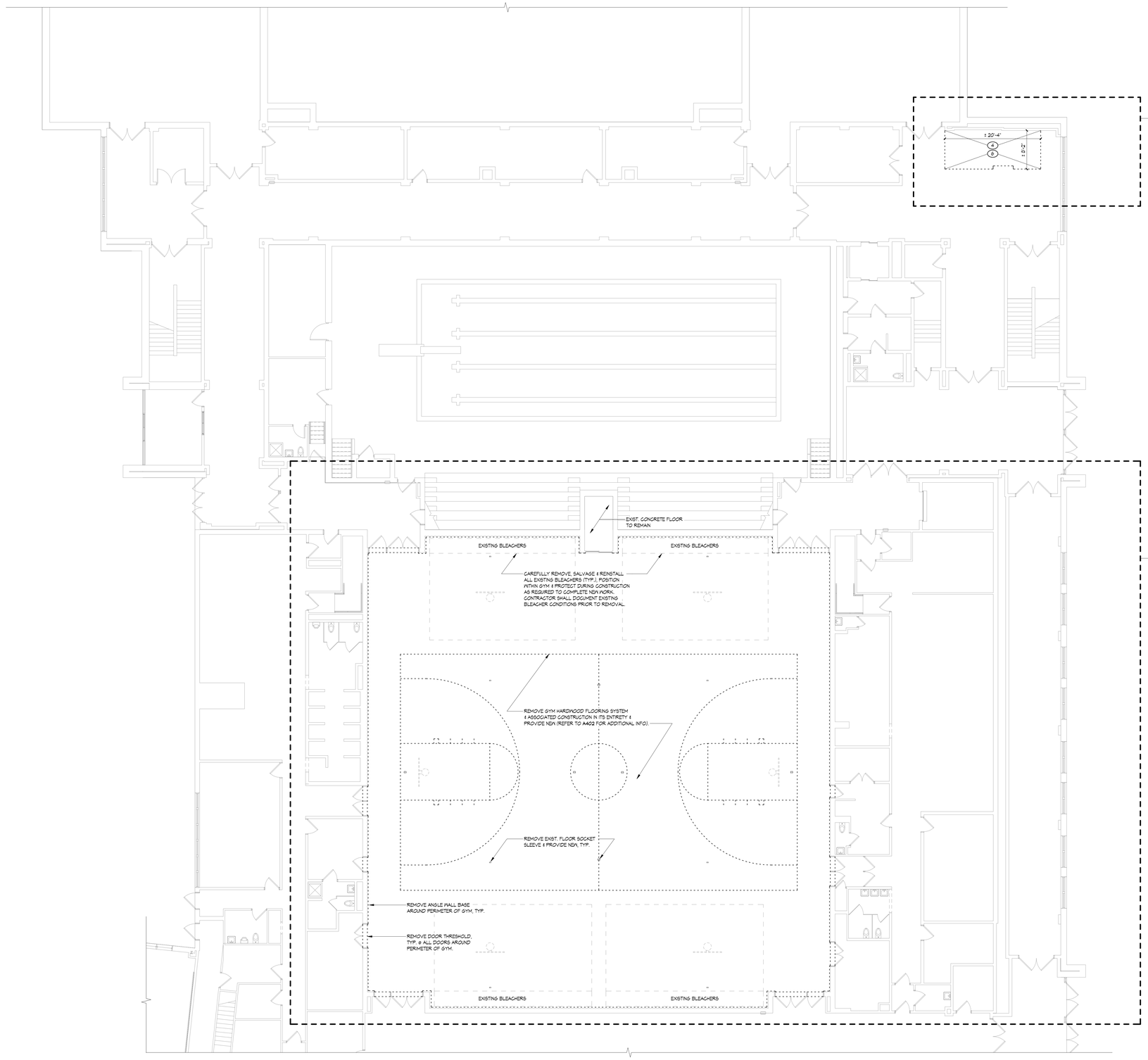
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	CJF
CHECKED BY	DDJ
SCALE	As indicated
PROJECT NO.	2194

DRAWING TITLE
PARTIAL REMOVALS PLAN

DRAWING NO.
AD101



1 AD102 PARTIAL FIRST FLOOR REMOVALS PLAN

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

REMOVALS LEGEND:

DENOTES EXISTING PARTITIONS TO BE REMOVED

DENOTES EXISTING ITEMS TO BE REMOVED

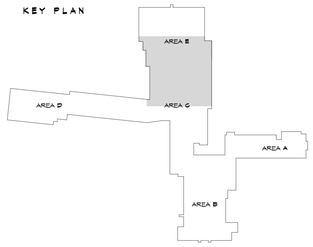
KEYED REMOVAL NOTES:

1. REMOVE DOOR, FRAME, HARDWARE & ALL ASSOCIATED CONSTRUCTION IN ITS ENTIRETY.
2. REMOVE DOOR & ALL ASSOCIATED HARDWARE IN ITS ENTIRETY (LENGTH AS SHOWN & REQUIRED TO COMPLETE NEW WORK). EXISTING HOLLOW METAL FRAME TO REMAIN. SALVAGE DOOR HOLD-OPEN MAGNET(S) FOR REUSE, WHERE APPLICABLE.
3. REMOVE MASONRY WALL, FULL HEIGHT, LENGTH AS SHOWN.
4. REMOVE SUSPENDED ACOUSTICAL CEILING SYSTEM IN ITS ENTIRETY, INCLUDING TILES, GRID, SUSPENSION SYSTEM & ALL ASSOCIATED CONSTRUCTION.
5. REMOVE TOILET ACCESSORIES & ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
6. REMOVE VCT FLOORING & ADHESIVE IN ITS ENTIRETY. PROVIDE A SMOOTH & LEVEL SUBSTRATE TO ACCOMMODATE NEW FLOORING.

GENERAL REMOVAL NOTES:

1. PATCH ALL SURFACES DISTURBED BY REMOVALS TO MATCH ADJACENT CONSTRUCTION.
2. COORDINATE REMOVALS WITH OTHER TRADES.
3. REFER TO ROOF PLAN (A103) FOR ROOFING REMOVALS.

KEY PLAN



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STATE OF NEW YORK
036964
VALID THROUGH 02/28/2026

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

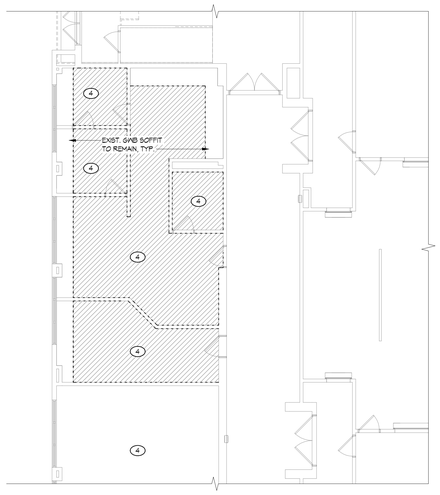
NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	CJF
CHECKED BY	DDJ
SCALE	1/8" = 1'-0"
PROJECT NO.	2194

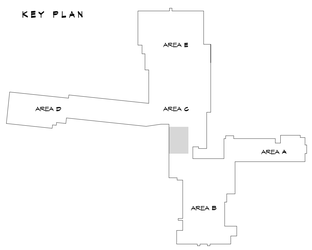
DRAWING TITLE
PARTIAL REMOVALS PLAN

DRAWING NO.
AD102



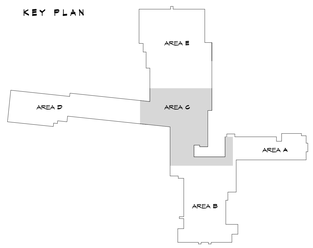
1 AD110 PARTIAL FIRST FLOOR REMOVALS PLAN
SCALE: 1/8" = 1'-0"

KEY PLAN



2 AD110 PARTIAL SECOND FLOOR REMOVALS PLAN
SCALE: 1/8" = 1'-0"

KEY PLAN



REMOVALS LEGEND:

DENOTES EXISTING PARTITIONS TO BE REMOVED

DENOTES EXISTING ITEMS TO BE REMOVED

KEYED REMOVAL NOTES:

1. REMOVE DOOR, FRAME, HARDWARE & ALL ASSOCIATED CONSTRUCTION IN IT'S ENTIRETY.
2. REMOVE DOOR & ALL ASSOCIATED HARDWARE IN IT'S ENTIRETY (LENGTH AS SHOWN & REQUIRED TO COMPLETE NEW WORK). EXISTING HOLLOW METAL FRAME TO REMAIN. SALVAGE DOOR HOLD-OPEN MAGNET(S) FOR REUSE, WHERE APPLICABLE.
3. REMOVE MASONRY WALL, FULL HEIGHT, LENGTH AS SHOWN.
4. REMOVE SUSPENDED ACOUSTICAL CEILING SYSTEM IN IT'S ENTIRETY, INCLUDING TILES, GRID, SUSPENSION SYSTEM & ALL ASSOCIATED CONSTRUCTION.
5. REMOVE TOILET ACCESSORIES & ALL ASSOCIATED HARDWARE IN IT'S ENTIRETY.
6. REMOVE VCT FLOORING & ADHESIVE IN IT'S ENTIRETY. PROVIDE A SMOOTH & LEVEL SUBSTRATE TO ACCOMMODATE NEW FLOORING.

GENERAL REMOVAL NOTES:

1. PATCH ALL SURFACES DISTURBED BY REMOVALS TO MATCH ADJACENT CONSTRUCTION.
2. COORDINATE REMOVALS WITH OTHER TRADES.
3. REFER TO ROOF PLAN (A103) FOR ROOFING REMOVALS.

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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE

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PROJECT NO.	2194

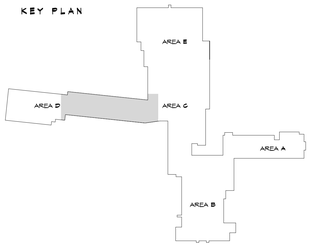
DRAWING TITLE
PARTIAL REMOVALS PLAN

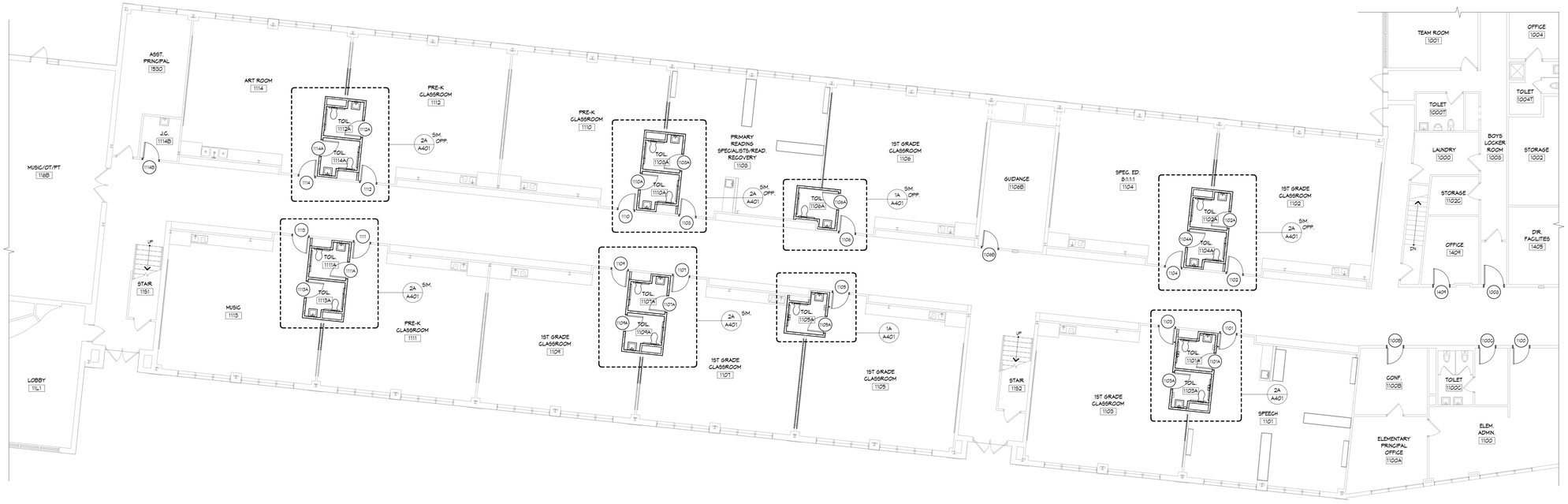
DRAWING NO.
AD110

FLOOR PLAN LEGEND:

- DENOTES NEW GWB & METAL STUD PARTITION OR INFILL
- DENOTES NEW CMU PARTITION OR INFILL
- DENOTES EXISTING CONSTRUCTION TO REMAIN
- WALL TAG - DENOTES PARTITION TYPE, REFER TO A801
- DOOR TAG - DENOTES DOOR NUMBER, REFER TO A801
- DENOTES PLAN DETAIL NUMBER & SHEET NUMBER
- DENOTES SECTION DIRECTION, NUMBER & SHEET NUMBER
- DENOTES INTERIOR ELEVATION DIRECTION, NUMBER & SHEET NUMBER

KEY PLAN





1 A101 PARTIAL FIRST FLOOR PLAN

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

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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

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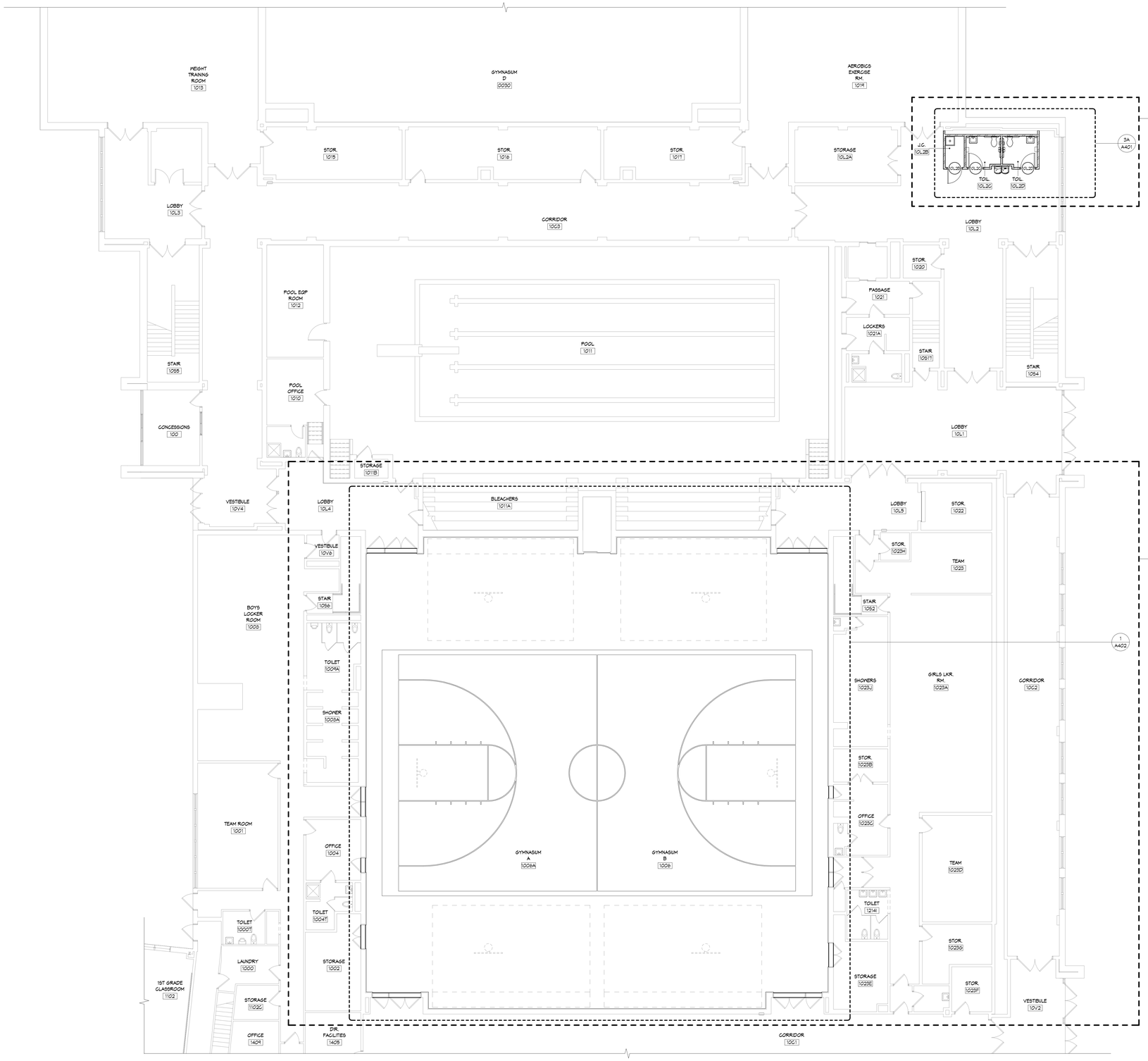
PROJECT NO.	2194

DRAWING TITLE
PARTIAL FLOOR PLAN

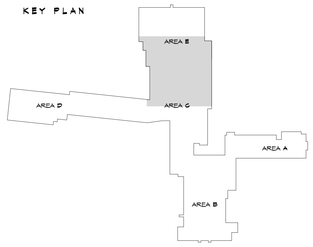
DRAWING NO.
A101



FLOOR PLAN LEGEND:

- DENOTES NEW GWB & METAL STUD PARTITION OR INFILL
- DENOTES NEW CMU PARTITION OR INFILL
- DENOTES EXISTING CONSTRUCTION TO REMAIN
- A — WALL TAG - DENOTES PARTITION TYPE, REFER TO A601
- 101 — DOOR TAG - DENOTES DOOR NUMBER, REFER TO A601
- 1 / A101 SIM — DENOTES PLAN DETAIL NUMBER & SHEET NUMBER
- 1 / A101 TYP — DENOTES SECTION DIRECTION, NUMBER & SHEET NUMBER
- 4 / A401 / 3 (SIM) — DENOTES INTERIOR ELEVATION DIRECTION, NUMBER & SHEET NUMBER

KEY PLAN



PARTIAL FIRST FLOOR PLAN

1 / A102 — SCALE: 1/8" = 1'-0"

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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING CAPITAL PROJECT

7668 STATE STREET, LOWVILLE, NEW YORK 13367

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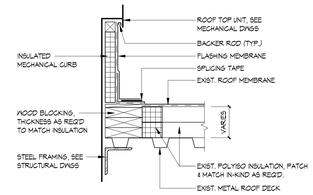
SCALE	1/8" = 1'-0"
PROJECT NO.	2194

DRAWING TITLE
PARTIAL FLOOR PLAN

DRAWING NO.
A102



4 A103 TYP. MECH. CURB DETAIL

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

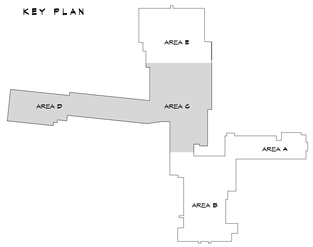
ROOF PLAN LEGEND:

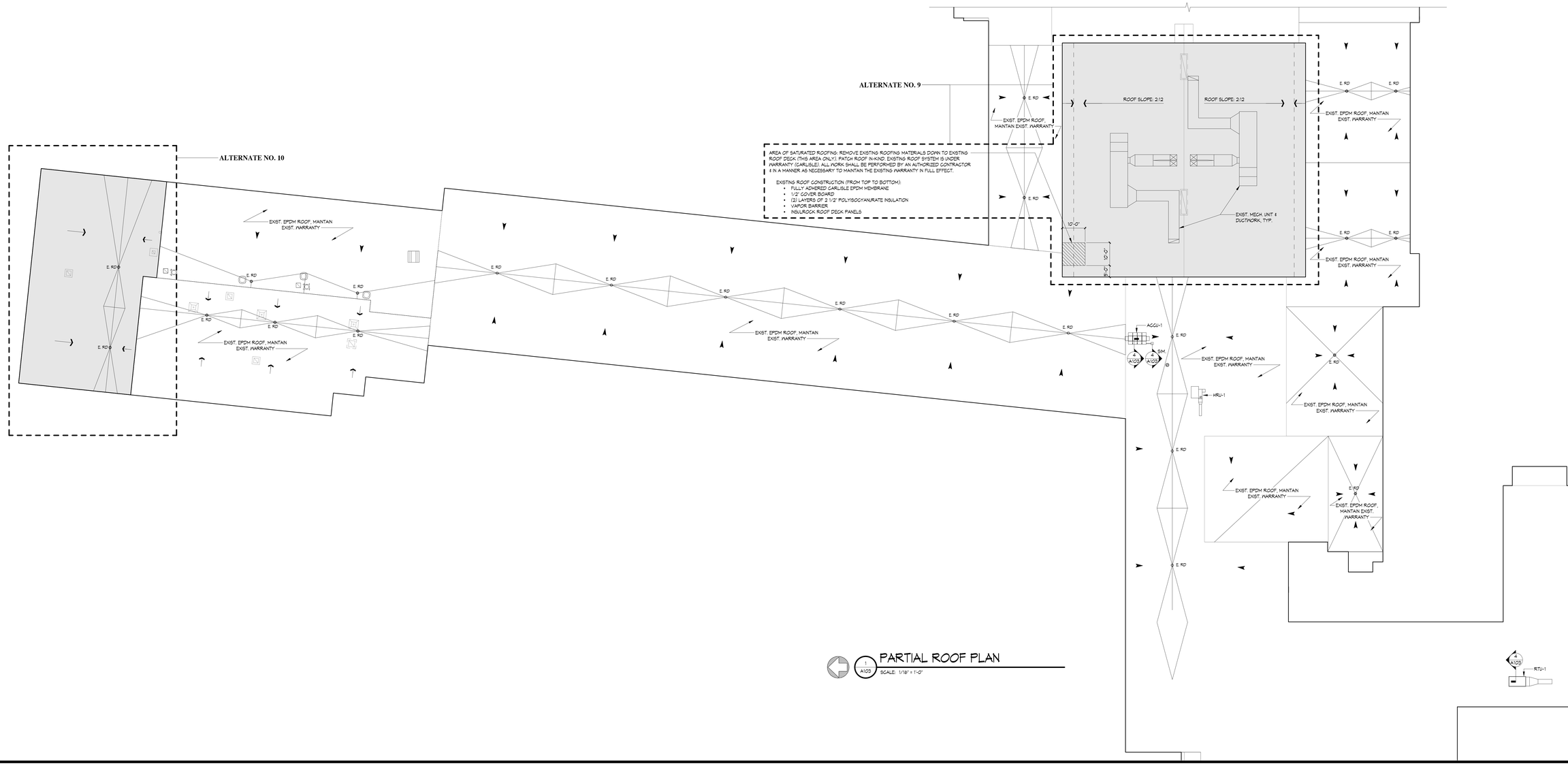
- E RD — EXISTING ROOF DRAIN
- MECHANICAL UNITS REFER TO MECH. DWGS.
- OVTR — VENT THROUGH ROOF, REFER TO PLUMB. DWGS.
- CRICKET (1/2" FT)
- SLOPED ROOF DECK
- TAPERED INSULATION SLOPE, (1/4" FT)
- INDICATES AREA OF FLUID-APPLIED ROOFING MEMBRANE OVER EXISTING EPDM ROOF

GENERAL ROOF NOTES:

1. COORDINATE ALL PENETRATIONS WITH OTHER TRADES.
2. REMOVE & REINSTALL ANY EXISTING EXTERIOR LIGHT FIXTURES, CONDUITS, MECHANICAL UNITS, EQUIPMENT ETC... AS REQUIRED TO INSTALL NEW ROOFING SYSTEM.
3. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR COATING AT ROOF DRAINS, VENTS, CONDUITS, ETC...

KEY PLAN





AREA OF SATURATED ROOFING: REMOVE EXISTING ROOFING MATERIALS DOWN TO EXISTING ROOF DECK (THIS AREA ONLY). PATCH ROOF IN-KIND. EXISTING ROOF SYSTEM IS UNDER WARRANTY (CARLISLE). ALL WORK SHALL BE PERFORMED BY AN AUTHORIZED CONTRACTOR & IN A MANNER AS NECESSARY TO MAINTAIN THE EXISTING WARRANTY IN FULL EFFECT.

EXISTING ROOF CONSTRUCTION (FROM TOP TO BOTTOM):

- FULLY ADHERED CARLISLE EPDM MEMBRANE
- 1/2" COVER BOARD
- (2) LAYERS OF 2 1/2" POLYISOCYANURATE INSULATION
- VAPOR BARRIER
- INSULROCK ROOF DECK PANELS

1 A103 PARTIAL ROOF PLAN

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

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258 Genesee Street, Suite 300
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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
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SCALE	As indicated
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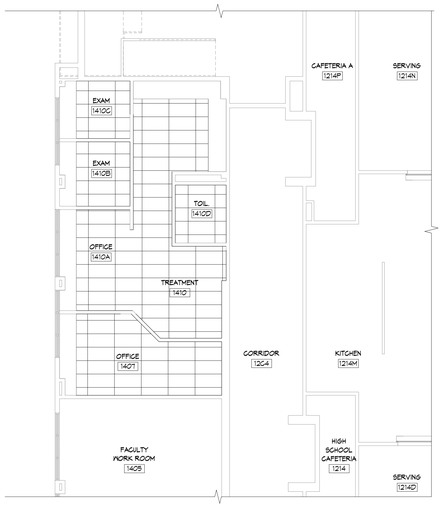
DRAWING TITLE
PARTIAL ROOF PLAN & DETAILS

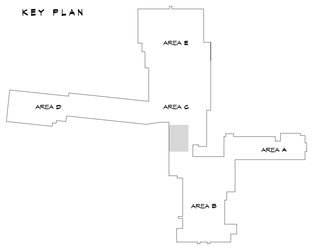
DRAWING NO.
A103



1 A110 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN

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

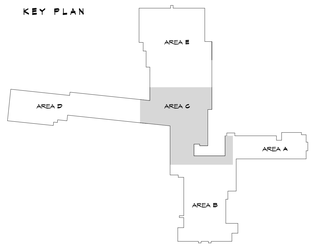
KEY PLAN



2 A110 PARTIAL SECOND FLOOR REFLECTED CEILING PLAN

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

KEY PLAN



REFLECTED CEILING PLAN LEGEND:

- LAY IN CEILING TILE 2 x 4 AND 2 x 2, CUT AS INDICATED ON PLANS
- EXISTING LAY IN CEILING
- SUSPENDED GWB CEILING OR SOFFIT
- RADIANT CEILING PANELS, REFER TO MECH. DRAWINGS
- RETURN & SUPPLY GRILLE, REFER TO MECH. DRAWINGS
- LIGHT FIXTURES, REFER TO ELEC. DRAWINGS

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ARCHITECTS & PLANNERS, PC
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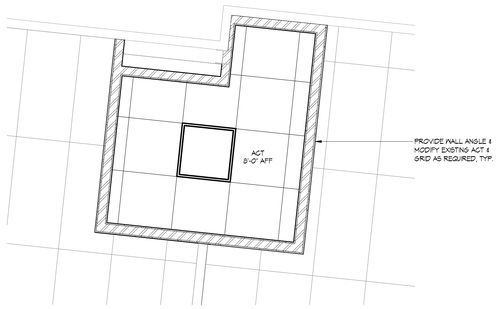
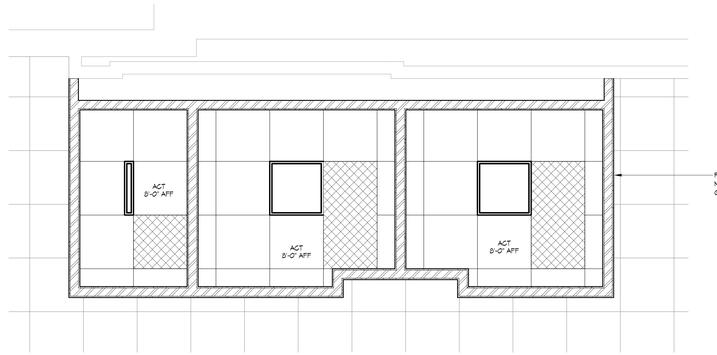
DRAWING TITLE
PARTIAL REFLECTED CEILING PLANS

DRAWING NO.
A110

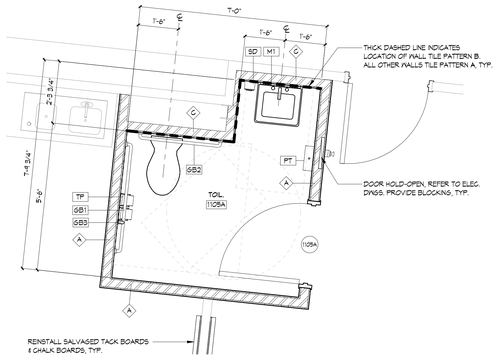


1B A401 ELEM. TOILET ROOM (SINGLE) - RCP
SCALE: 1/2" = 1'-0"

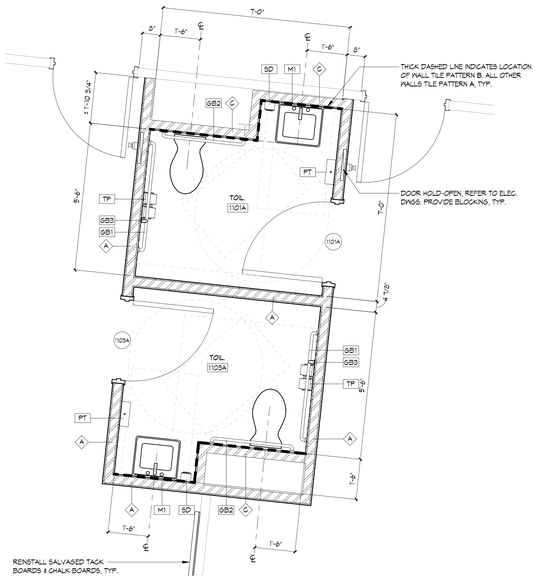
2B A401 ELEM. TOILET ROOMS (DOUBLE) - RCP
SCALE: 1/2" = 1'-0"



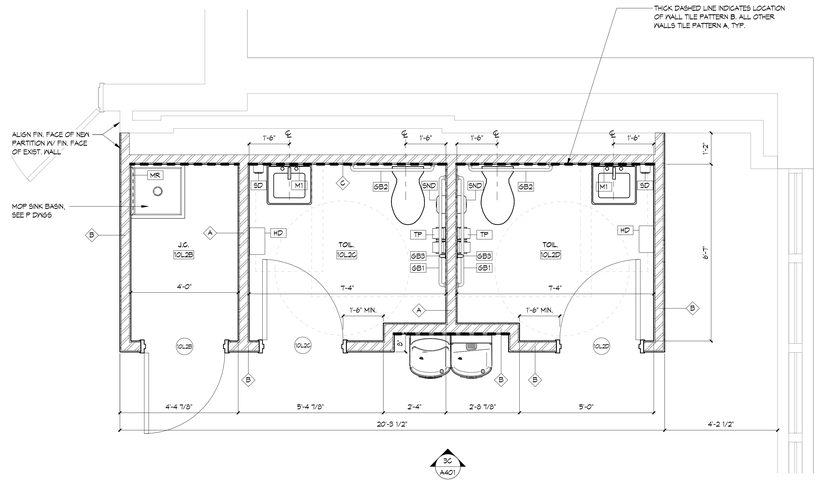
3B A401 GYM TOILET ROOMS - RCP
SCALE: 1/2" = 1'-0"



1A A401 ELEM. TOILET ROOM (SINGLE) - FLOOR PLAN
SCALE: 1/2" = 1'-0"

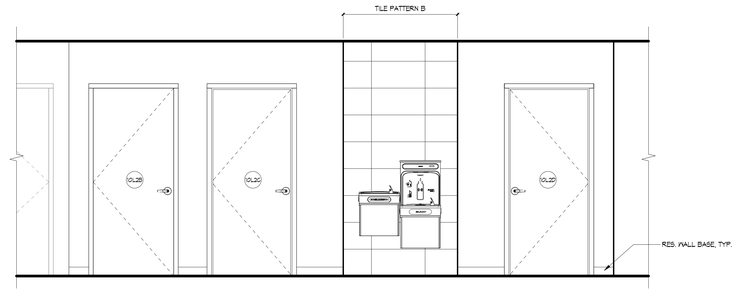


2A A401 ELEM. TOILET ROOMS (DOUBLE) - FLOOR PLAN
SCALE: 1/2" = 1'-0"



3C A401

3A A401 GYM TOILET ROOMS - FLOOR PLAN
SCALE: 1/2" = 1'-0"



3C A401 GYM TOILET ROOMS - ELEVATION
SCALE: 1/2" = 1'-0"

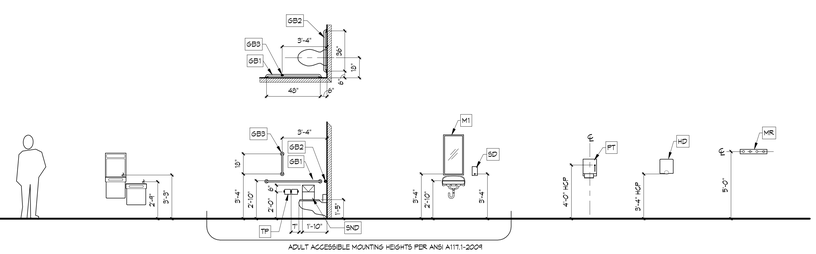
REFLECTED CEILING PLAN LEGEND:

- LAY IN CEILING TILE 2 x 4 AND 2 x 2. CUT AS INDICATED ON PLANS
- EXISTING LAY IN CEILING
- SUSPENDED GWB CEILING OR SOFFIT
- RADIANT CEILING PANELS, REFER TO MECH. DRAWINGS
- RETURN & SUPPLY GRILLE, REFER TO MECH. DRAWINGS
- LIGHT FIXTURES, REFER TO ELEC. DRAWINGS

ABBREVIATIONS:

HCP	HANDICAPPED ACCESSIBLE
TP	TOILET PAPER DISPENSER
PT	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER
M1	MIRROR - 18" x 36"
GB1	GRAB BAR - 40"
GB2	GRAB BAR - 36"
GB3	GRAB BAR - 18"
SND	SANITARY NAPKIN DISPOSAL UNIT
HD	HAND DRYER
MR	MOP RACK

0 A401 TYP. MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"



ALTERNATE NO. 12

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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
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MAIN BUILDING
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DATE	NOVEMBER 30, 2023		
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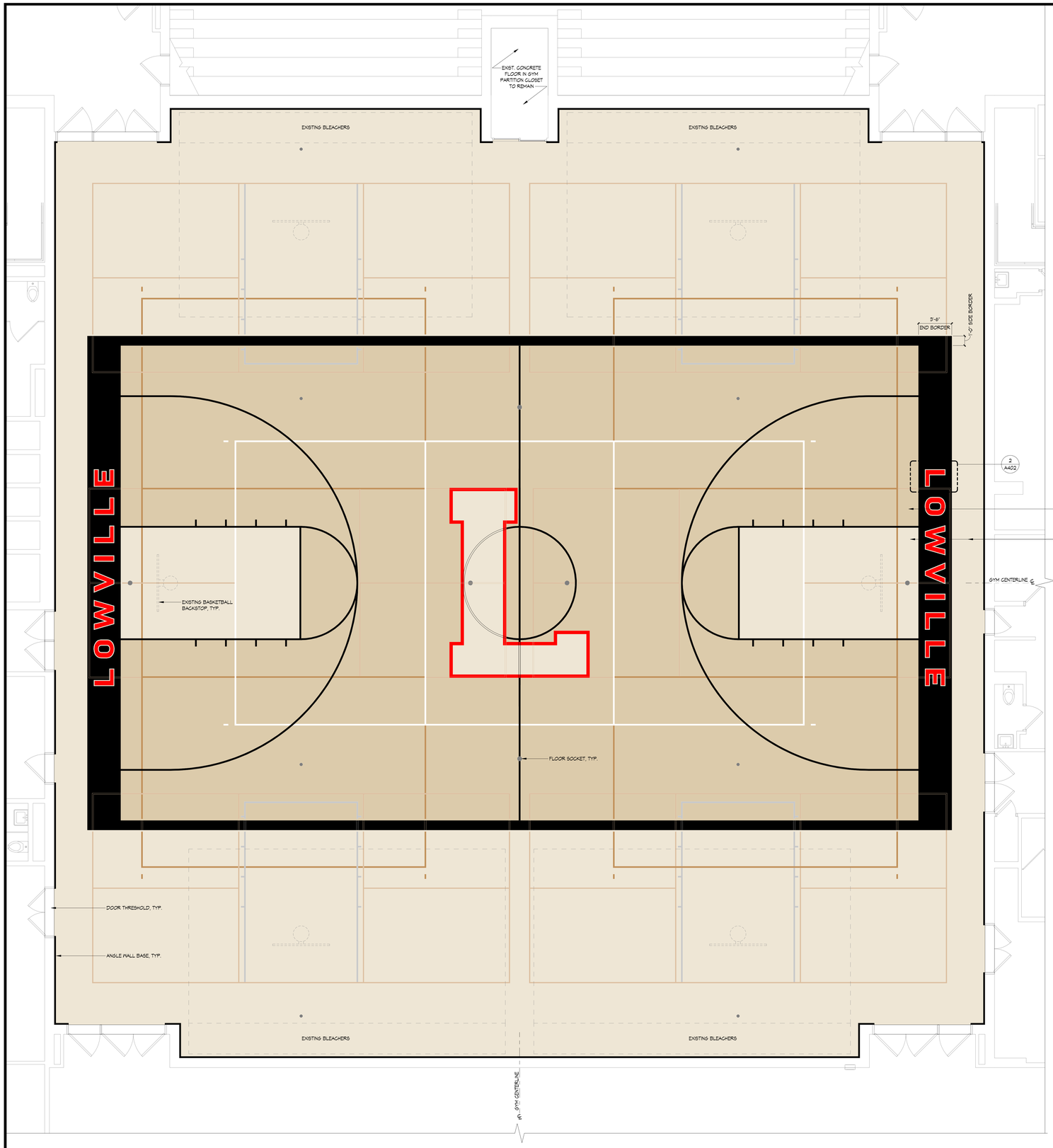
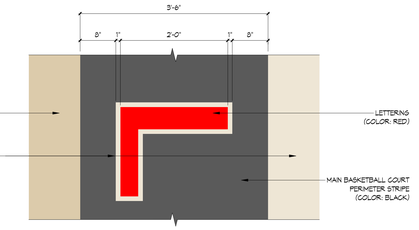
SCALE	As indicated		
PROJECT NO.	2154		

DRAWING TITLE
ENLARGED TOILET ROOM PLANS

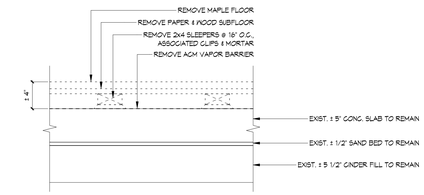
DRAWING NO.
A401



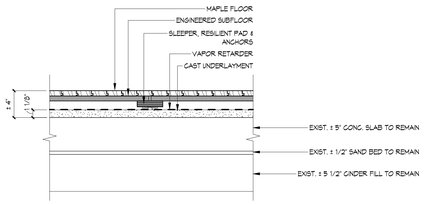
1 A402 ENLARGED GYM STRIPING PLAN
SCALE: 1/4" = 1'-0"



2 A402 TYP. COURT LETTERING DETAIL
SCALE: 1" = 1'-0"



3 A402 GYM FLOOR SECTION - REMOVALS
SCALE: 1 1/2" = 1'-0"



4 A402 GYM FLOOR SECTION - NEW
SCALE: 1 1/2" = 1'-0"

GYM STRIPING NOTES:

1. COURTS:
   A. (1) MAIN BASKETSBALL COURT
   B. (2) SIDE BASKETBALL COURTS
   C. (1) MAIN VOLLEYBALL COURT
   D. (2) SIDE VOLLEYBALL COURTS
   E. (6) BADMINTON COURTS
2. ALL STRIPING SHALL FOLLOW GUIDLINES SET FORTH BY THE NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATION.
3. MAIN BASKETBALL COURT STRIPING TO BE 2" WIDE, BLACK IN COLOR.
4. FONT SHOWN IN PLAN IS FOR REFERENCE ONLY. EXACT FONT STYLE TO BE PROVIDED / SELECTED BY THE DISTRICT.
5. MAIN BASKETBALL COURT CENTER LOGO GRAPHIC TO BE STAIN COLOR 1 W/ RED OUTLINE. GRAPHIC TO BE PROVIDED BY THE DISTRICT.
6. CROSS BASKETBALL COURT STRIPING TO BE 1" WIDE, GRAY IN COLOR. WHERE CROSS BASKETBALL COURT LINES PASS THRU MAIN BASKETBALL & VOLLEYBALL COURT LINES, PROVIDE 1" OF SEPARATION VOID OF PAINT.
7. MAIN VOLLEYBALL COURT STRIPING TO BE 2" WIDE, WHITE IN COLOR. WHERE VOLLEYBALL COURT LINES PASS THRU BASKETBALL COURT LINES & KEY, PROVIDE 1" OF SEPARATION VOID OF PAINT.
8. FINAL COLOR SELECTIONS, LAYOUTS & GRAPHICS SHALL BE APPROVED BY THE ARCHITECT & DISTRICT PRIOR TO APPLICATION. SUBMIT SHOP DRAWINGS & PAINT COLOR SAMPLES FOR REVIEW & APPROVAL.
9. PROVIDE 2 DIFFERENT STAIN COLORS.
10. SEE GYM STRIPING PLAN & TYPICAL COURT LETTERING DETAIL FOR ADDITIONAL INFO.

ALTERNATE NO. 11
ALL SCOPE OF WORK ON THIS SHEET IS PART OF ALTERNATE NO. 11

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.5544
marchassoc.com

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REGISTERED ARCHITECT DAVID DANIEL JACKSON 026964 STATE OF NEW YORK
VALID THROUGH 02/28/2026

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	CJF		
CHECKED BY	DDJ		
SCALE	As Indicated		
PROJECT NO.	2194		

DRAWING TITLE
ENLARGED GYM FLOOR PLAN & DETAILS

DRAWING NO.
A402

ROOM FINISH SCHEDULE

SCHEDULE ABBREVIATIONS: MAT = MATERIAL; FIN = FINISH; E. OR EX. = EXISTING TO REMAIN.
MATERIAL & FINISH ABBREVIATIONS:

CONC = CONCRETE; VCT = VINY COMPOSITION TILE; GU = CAST UNDERLAYMENT; CARPT = CARPET TILE (WALK-OFF); CARP = CARPET; VRB = VENTED RESILIENT BASE; WD = WOOD; RUB = RUBBER; TERR = TERRAZZO; CT = CERAMIC TILE; PCT = PORCELAIN TILE; GWB = GYPSUM WALL BOARD; EXP = EXPOSED; PT = PAINT; ACT = ACOUSTICAL CEILING TILE

ROOM NO.	ROOM NAME	FLOOR MAT	FLOOR FIN	BASE MAT	NORTH WALL MAT	NORTH WALL FIN	SOUTH WALL MAT	SOUTH WALL FIN	EAST WALL MAT	EAST WALL FIN	WEST WALL MAT	WEST WALL FIN	CEILING MAT	CEILING FIN	CEILING HT	REMARKS	ROOM NO.
FIRST FLOOR																	
101.2B	U.C.	E. CONC	PCT	PCT	GWB	PT	GWB	PT	GWB	PT	GWB	PT	EXP	PT	-	ALTERNATE NO. 12	101.2B
101.2C	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"	ALTERNATE NO. 12	101.2C
101.2D	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"	ALTERNATE NO. 12	101.2D
1006	GYMNASIUM B	C.U.	WD	VRB	-	-	-	-	-	-	-	-	-	-	-	ALTERNATE NO. 11	1006
1006A	GYMNASIUM A	C.U.	WD	VRB	-	-	-	-	-	-	-	-	-	-	-	ALTERNATE NO. 11	1006A
1101A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1101A
1102A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1102A
1103A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1103A
1104A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1104A
1105A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1105A
1106A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1106A
1107A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1107A
1108A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1108A
1109A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1109A
1110A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1110A
1111A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1111A
1112A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1112A
1113A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1113A
1114A	TOIL.	E. CONC	PCT	PCT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	GWB	PCT/CT	ACT	FACT	8'-0"		1114A
1407	OFFICE	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	1407
1410	TREATMENT	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	1410
1410A	OFFICE	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	1410A
1410B	EXAM	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	1410B
1410C	EXAM	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	1410C
1410D	TOIL	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	1410D
SECOND FLOOR																	
2101	CORRIDOR	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	2101
2153	STAIR	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	2153
2201	CORRIDOR	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	2201
2101	WORK ROOM	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	2101
2102	TECH. OFFICE	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	2102
2102A	WORK AREA	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	2102A
2103B	TOILET	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	2103B
2104	SPEC. ED. OFFICE	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	2104
2104B	GSE CONFERENCE ROOM	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	2104B
2106A	SPEC. ED. OFFICE	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	2106A
2206	SPEC. ED. 12:1:1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MATCH EXISTING CEILING HEIGHT	2206
2205	M.S. FACULTY ROOM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MATCH EXISTING CEILING HEIGHT	2205
2412	COMPUTER LAB	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	2412
2414	SPEC. ED. RESOURCE	-	-	-	-	-	-	-	-	-	-	-	ACT	FACT	-	MATCH EXISTING CEILING HEIGHT	2414

GENERAL ROOM FINISH NOTES:

1. DO NOT PAINT EXIST. BRICK OR TILE.
2. TYPICAL AT NEW GWB WALLS: ALL EXPOSED GWB SHALL BE PAINTED, INCLUDING CLASSROOM SIDE OF GWB FOR NEW TOILET ROOMS.
3. REFER TO ENLARGED TOILET ROOM PLANS (A401) FOR TILE PATTERN LOCATIONS.

DOOR AND FRAME SCHEDULE

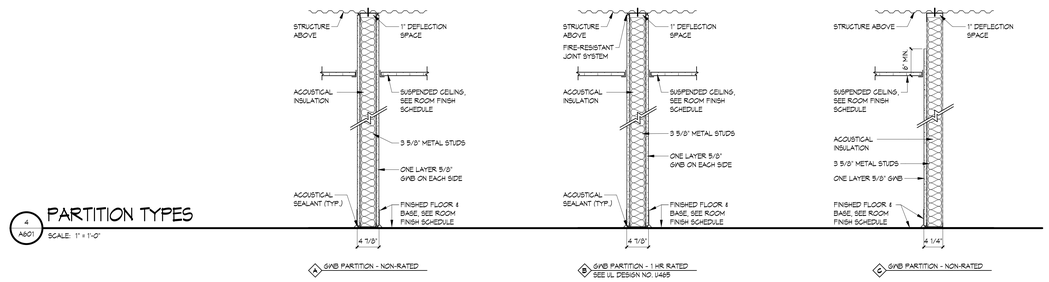
SCHEDULE ABBREVIATIONS: MAT = MATERIAL; FIN = FINISH; E. OR EX. = EXISTING TO REMAIN; PR = PAIR OF DOORS.
MATERIAL & FINISH ABBREVIATIONS:

ALUM = ALUMINUM; AP = ARMOR PLATE; FACT = FACTORY FINISH; HM = HOLLOW METAL; MP = MOP PLATE; PT = PAINTED; STL = STEEL; UC = UNDERCUT; WD = WOOD; FRP = FIBERGLASS REINFORCED POLYESTER; S = SMOKE & DRAFT CONTROL

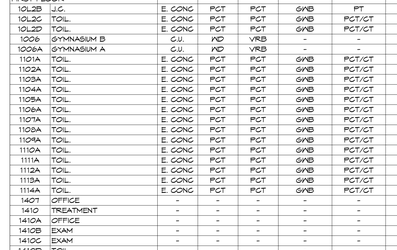
DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR MAT	DOOR FIN	FRAME TYPE	FRAME MAT	FRAME FIN	HEAD	JAMB	HDW SET NO.	LABEL (MIN.)	SILL	REMARKS	DOOR NO.
FIRST FLOOR														
101.2B	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	3	45	-	ALTERNATE NO. 12	101.2B
101.2C	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	4	45	-	ALTERNATE NO. 12	101.2C
101.2D	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	4	45	-	ALTERNATE NO. 12	101.2D
1006	3'-0" x 7'-0"	F	HM	FACT	EX	E. HM	PT	-	-	2	45	-		1006
1100	3'-0" x 7'-0"	G	HM	FACT	EX	E. HM	PT	-	-	2	45	-		1100
1100B	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	45	-		1100B
1100C	3'-0" x 7'-0"	F	HM	FACT	EX	E. HM	PT	-	-	2	45	-		1100C
1101	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1101
1101A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1101A
1102	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1102
1102A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1102A
1103	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1103
1103A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1103A
1104	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1104
1104A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1104A
1105	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1105
1105A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1105A
1106	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1106
1106A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1106A
1106B	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	45	-		1106B
1107	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1107
1107A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1107A
1108	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1108
1108A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1108A
1109	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1109
1109A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1109A
1110	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1110
1110A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1110A
1111	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1111
1111A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1111A
1112	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1112
1112A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1112A
1113	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1113
1113A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1113A
1114	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	20	-		1114
1114A	3'-0" x 7'-0"	F	HM	FACT	FT-1	HM	PT	H1	J1	1	-	-		1114A
1114B	3'-0" x 7'-0"	F	HM	FACT	EX	E. HM	PT	-	-	3	45	-		1114B
1409	3'-0" x 7'-0"	N-1	HM	FACT	EX	E. HM	PT	-	-	2	45	-		1409

GENERAL DOOR NOTES:

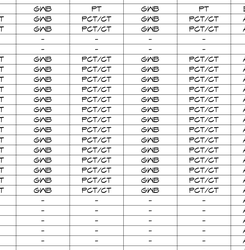
1. DOOR SIZES NOTED ARE APPROXIMATE. FIELD VERIFY EXISTING OPENINGS FOR PRECISE DIMENSIONS.



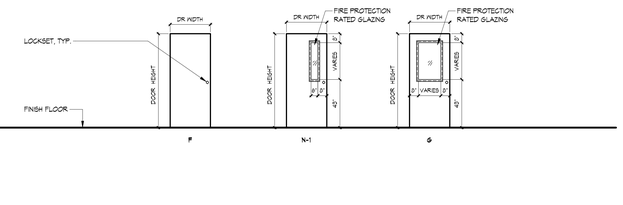
4 A601 PARTITION TYPES
SCALE: 1" = 1'-0"



5 A601 TYP. TILE PATTERN A
SCALE: 1/2" = 1'-0"

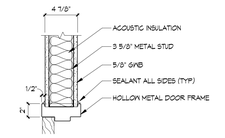


6 A601 TYP. TILE PATTERN B
SCALE: 1/2" = 1'-0"



1 A601 DOOR TYPES
SCALE: 1/4" = 1'-0"

2 A601 FRAME TYPES
SCALE: 1/4" = 1'-0"



3 A601 DOOR HEAD & JAMB DETAILS
SCALE: 1 1/2" = 1'-0"

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.5344
marchassoc.com

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REGISTERED ARCHITECT JOHN DANIEL JACKSON 036964 STATE OF NEW YORK
VALID THROUGH 02/28/2026

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	CJF
CHECKED BY	DDJ
SCALE	As indicated
PROJECT NO.	2194

DRAWING TITLE
SCHEDULES & DETAILS

DRAWING NO.
A601

CLEANOUT SCHEDULE

DESCRIPTION	PIPING MATERIAL	NOTES
CAST IRON EXPOSED CLEANOUT	CAST IRON, PVC	JAY R SMITH FIGURE 4475, BRONZE PLUG (PVC PLUG FOR PLASTIC PIPE)
FLOOR PLATE CLEANOUT	CAST IRON, PVC	JAY R SMITH MODEL 4020 ROUND BRONZE COVE FOR FOOT & MEDIUM TRAFFIC. PVC PLUG FOR PLASTIC PIPE.
WALL PLATE CLEANOUT	CAST IRON, PVC	JAY R. SMITH FIGURE 4420 PLUG WITH ROUND FRAME & COVER. PVC PLUG FOR PLASTIC PIPE.
GROUND CLEANOUT	CAST IRON, PVC	JAY R. SMITH FIGURE 4250 PLUG WITH ROUND FRAME & HEAVY DUTY CAST IRON COVER. PVC PLUG FOR PLASTIC PIPE.

WATER HAMMER ARRESTER

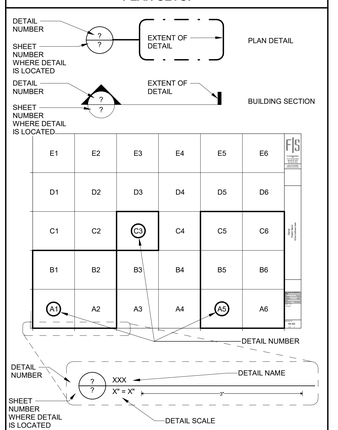
UNIT SIZE	DESIGN BASIS	MODEL	FIXTURE UNITS	INLET SIZE
A	SIOUX CHIEF	652	1-11	3/4"
B	SIOUX CHIEF	652	12-32	3/4"
C	SIOUX CHIEF	652	33-60	1"
D	SIOUX CHIEF	652	61-113	1"
E	SIOUX CHIEF	652	114-154	1"
F	SIOUX CHIEF	652	155-330	1"

LEAD TESTS:
1. COLLECT FIRST DRAW SAMPLES FROM ALL FIXTURES IN THE WORK AREA.
2. PERFORM TESTS AS DESCRIBED IN DEPARTMENT OF HEALTH "LEAD IN WATER REGULATION" (10 NYCRR 67-4).
3. PREPARE REPORTS TO DEMONSTRATE COMPLIANCE WITH NYCRR ARTICLE 10 SUBPART 67-4, "LEAD TESTING IN SCHOOL DRINKING WATER."

PLUMBING SYMBOLS AND ABBREVIATIONS

SYMBOL	DESCRIPTION (ABBREVIATION)
	BALANCING VALVE
	BACKFLOW PREVENTER (BFP)
	CHECK VALVE
	PRESSURE REDUCING VALVE (PRV)
	SHUT OFF VALVE
	STRAINER WITH BLOWDOWN
	UNION
	REMOVE TO POINT AND CAP
	REMOVE TO POINT FOR RECONNECTION
	SHOWER HEAD
CO	CLEANOUT IN SUSPENDED PIPE (CO)
FPCO	CLEANOUT IN FLOOR (FPCO)
GCO	GRADE CLEANOUT (GCO)
WPCO	WALL PLATE CLEANOUT (WPCO)
	FLOOR DRAIN
	PIPE BRANCH TAKE-OFF FROM BOTTOM
	PIPE BRANCH TAKE-OFF FROM TOP
	PIPE DROP
	PIPE RISE
	ROOF DRAIN/SANITARY VENT
	ROOF DRAIN ABOVE
	VENT THRU ROOF (VTR)
	POINT OF CONNECTION - NEW TO EXISTING
	POINT OF REMOVAL - DEMOLITION TO EXISTING
AAV	AIR ADMITTANCE VALVE
ES	EMERGENCY SHOWER
ES/EEW	EMERGENCY SHOWER/ EMERGENCY EYE WASH
EEW	EMERGENCY EYE WASH
	HOSE BIBB (HB)
	ANTIFREEZE WALL HYDRANT (AFWH)
	WATER HAMMER ARRESTER / SHOCK ABSORBER (SA-_)
	P-TRAP
	PRESSURE GAUGE (WITH VALVE)
	TEMPERATURE WELL
	THERMOMETER
-UP- -DN-	PITCH OF PIPE
CA	COMPRESSED AIR PIPING
CW	COLD WATER PIPING
CW	COLD WATER PIPING (UNDERGROUND/UNDERFLOOR)
CD	CONDENSATE DRAIN PIPING
FOR	FUEL OIL RETURN PIPING
FOS	FUEL OIL SUPPLY PIPING
FOV	FUEL OIL VENT PIPING
G	GAS PIPING
GW	GREASE WASTE PIPING
HW (__)	HOT WATER PIPING (____°F)
HW (__)	HOT WATER PIPING (____°F) (UNDERGROUND/UNDERFLOOR)
IW	INDIRECT WASTE PIPING
LPG	LP GAS PIPING
OST	OVERFLOW STORM PIPING
PD	PUMP DISCHARGE PIPING
RHW	HOT WATER RETURN PIPING
SAN	SANITARY SEWER (ABOVE GROUND)
SAN	SANITARY SEWER (UNDERGROUND/UNDERFLOOR)
SW	SOFTENED WATER PIPING
ST	STORM SEWER (ABOVE GROUND)
ST	STORM SEWER (UNDERGROUND/UNDERFLOOR)
TW	TEMPERED WATER PIPING
V	VENT PIPING
140 HW	140°F HOT WATER PIPING
140 HWR	140°F RECIRCULATING HOT WATER RETURN PIPING
TYPE (D)	PIPING TO BE DEMOLISHED
TYPE (E)	PIPING EXISTING TO REMAIN

PLAN SETUP



DOCUMENT REDUCTION/MAGNIFICATION SCALE

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IF LINE MEASURES 2" (67% COPY):
USE 3/16th SCALE ON 1/8"=1'-0" DWG
USE 3/8th SCALE ON 1/4"=1'-0" DWG

IF LINE MEASURES 1.5" (50% COPY):
USE 1/16th SCALE ON 1/8"=1'-0" DWG
USE 1/8th SCALE ON 1/4"=1'-0" DWG

PLUMBING DRAWING INDEX

NUMBER	NAME	REVISIONS #	REVISIONS DATE
P001	DRAWING INDEX, SYMBOL LIST, ABBREVS., SCHEDULES & DETAILS		
PD101	PARTIAL GROUND FLOOR REMOVAL PLAN - AREA B		
PD102	PARTIAL REMOVALS PLAN – FIRST FLOOR, AREA C		
PD105	PARTIAL FIRST FLOOR REMOVAL PLAN - AREA C		
PD106	PARTIAL FIRST FLOOR REMOVAL PLAN - AREA D		
PD107	PARTIAL FIRST FLOOR REMOVAL PLAN - AREA E		
P101	PARTIAL GROUND FLOOR PLAN - AREA B		
P102	PARTIAL GROUND FLOOR PLAN - AREA E		
P105	PARTIAL FIRST FLOOR PLAN - AREA C		
P106	PARTIAL FIRST FLOOR PLAN - AREA D		
P107	PARTIAL FIRST FLOOR PLAN - AREA E		

TO THE BEST OF THE ENGINEER'S PROFESSIONAL JUDGEMENT, THE DESIGN OF THIS PROJECT CONFORMS TO ALL APPLICABLE PORTIONS OF THE FOLLOWING:

☒ THE 2020 NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE

☒ THE 2020 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, 2016 ASHRAE 90.1, AND 2007 ASHRAE 183; FOLLOWING THE COMPLIANCE PATH MARKED BELOW:

- ⊗ ANSI / ASHRAE / IESNA 90.1, AS AMENDED BY 19 NYCRR PART 1240.
- ⊗ ECCCNYS CHAPTER 4 [CE] PRESCRIPTIVE PROVISIONS (SECTIONS C402, C403, C404, C405, C408 AND ONE OF THE SIX OPTIONS IN SECTION C406 AS NOTED BELOW:
  - ☐ MORE EFFICIENT HVAC PERFORMANCE IN ACCORDANCE WITH SECTION C406.2.
  - ☒ REDUCED LIGHTING POWER DENSITY SYSTEM IN ACCORDANCE WITH SECTION C406.3.
  - ☐ ENHANCED LIGHTING CONTROL IN ACCORDANCE WITH SECTION C406.4.
  - ☐ ON-SITE SUPPLY OF RENEWABLE ENERGY IN ACCORDANCE WITH SECTION C406.5
  - ☐ PROVISION OF A DEDICATED OUTDOOR AIR SYSTEM FOR CERTAIN HVAC EQUIPMENT IN ACCORDANCE WITH SECTION C406.6.
  - ☐ HIGH-EFFICIENCY SERVICE WATER HEATING IN ACCORDANCE WITH SECTION C406.7.
  - ☐ ENHANCED ENVELOPE PERFORMANCE IN ACCORDANCE WITH SECTION C406.8.
  - ☐ REDUCED AIR INFILATRATION IN ACCORDANCE WITH SECTION C406.9.
- ○ TOTAL BUILDING PERFORMANCE PROVISIONS (SECTION C407)

☒ THE NEW YORK STATE EDUCATION DEPARTMENT ("SED") MANUAL OF PLANNING STANDARDS

☐ THE 2014 FGI GUIDELINES FOR DESIGN AND CONSTRUCTION OF HOSPITALS AND OUTPATIENT FACILITIES

☐ THE 2018 FGI GUIDELINES FOR DESIGN AND CONSTRUCTION OF:

- ☐ HOSPITALS
- ☐ OUTPATIENT FACILITIES
- ☐ RESIDENTIAL HEALTH, CARE, AND SUPPORT FACILITIES

ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED

PLUMBING FIXTURE SCHEDULE 'BASIN FIXTURES'

FIXTURE TAG	TYPE	FIXTURE OUTSIDE DIMENSIONS (INCHES)	FIXTURE INSIDE DIMENSIONS (INCHES)	BASIN DEPTH (INCHES)	ADA COMPLIANT (YES/NO)	MANUFACTURER	MODEL	FAUCET OPERATION	FAUCET SPREAD (INCHES)	SPOUT TYPE	SPOUT LENGTH	HANDLE TYPE	OUTLET TYPE	GPM	DRAIN TYPE	FAUCET MANUFACTURER	FAUCET MODEL	REMARKS
LAV-A	WALL HUNG	18 1/4 x 20 3/4 x 12 1/4	10" X 10"	5"	Yes	SLOAN	SS-3003	MANUAL	4"	RIGID	4-11/32"	SINGLE	AERATED	0.5	GRID	SLOAN	420-T41E2805ABCP	
MSB-A	FLOOR MOUNTED FIBERGLASS	24 X 24	22 X 22	10"	No	E. L. MUSTEE	63M	MANUAL	8	RIGID	9 1/8	DUAL	OPEN	13.0	STRAINER	T AND S	B-0665-BSTR	

PLUMBING FIXTURE SCHEDULE 'FLUSHING FIXTURES'

FIXTURE TAG	TYPE	ADA COMPLIANT (YES/NO)	GALLONS PER FLUSH	FIXTURE MANUFACTURER	FIXTURE MODEL	FLUSH METHOD	FLUSH VALVE MANUFACTURER	FLUSH VALVE MODEL	SUPPORT NO.	REMARKS
WC-A	WALL HUNG	Yes	1.6	SLOAN	ST-2459-STG	AUTOMATIC	SLOAN	111 SFSM		WITH HYDROPHOBIC GLAZE

PLUMBING FIXTURE SCHEDULE 'DRINKING FIXTURES'

FIXTURE TAG	TYPE	ADA COMPLIANT (YES/NO)	SINGLE/DUAL USER	OPERATION	GPH OF 50°F WATER @ 90°F AMB. AIR	MANUFACTURER	MODEL	REMARKS
EWC-A	ELECTRIC WATER COOLER	Yes	DUAL	PUSHBAR	8	ELKAY	LZSTL8WSSP	BILEVEL WITH BOTTLE FILLER

PLUMBING EXPANSION TANK SCHEDULE

UNIT NO.		SERVICE	TYPE	MOUNTING	TANK VOLUME (GAL.)	ACCEPT. VOLUME (GAL)	DIAMETER (IN)	HEIGHT (IN)	CHARGE PRESSURE (PSI)	MAX WORK PRESS (PSI)	MANUFACTURER	MODEL	REMARKS
ET	1	DOMESTIC HOT WATER	BLADDER - ASME	FLOOR	77	35	22"	49"	0	150	AMTROL	ST-180VC	

DOMESTIC WATER HEATER SCHEDULE - GAS FIRED

MARK		TYPE	RECOVERY RATE GPH	RECOVERY RATE ΔT °F	BURNER INPUT (MBH)	MIN INPUT GAS PRESSURE (WC)	EFFICIENCY %	GAS CONNECTION SIZE (INCHES)	FLUE SIZE (INCHES)	COMBUSTION AIR SIZE (INCHES)	MAX WORKING PRESS (PSIG)	WATER CONNECTIONS SIZE (INCHES)	ELECTRICAL VOLT	ELECTRICAL PH	WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS
DWH	1	BOILER	691	100	750	7"	85	1	6	6	150.0	2"	120	1	725	LAARS	NTV-750	
DWH	2	BOILER	691	100	750	7"	85	1	6	6	150.0	2"	120	1	725	LAARS	NTV-750	

PLUMBING FIXTURE ROUGH IN SCHEDULE

FIXTURE	WASTE	VENT	CW	HW	REMARKS
	6"				
EWC-A	2"	1 1/2"	1/2"	1/2"	
LAV-A	2"	1 1/2"	1/2"	1/2"	
MSB-A	2"	1 1/2"	1/2"	1/2"	
WC-A	4"	2"	1"		

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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-6013
Fax: 315-471-4044
FSEDP213

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

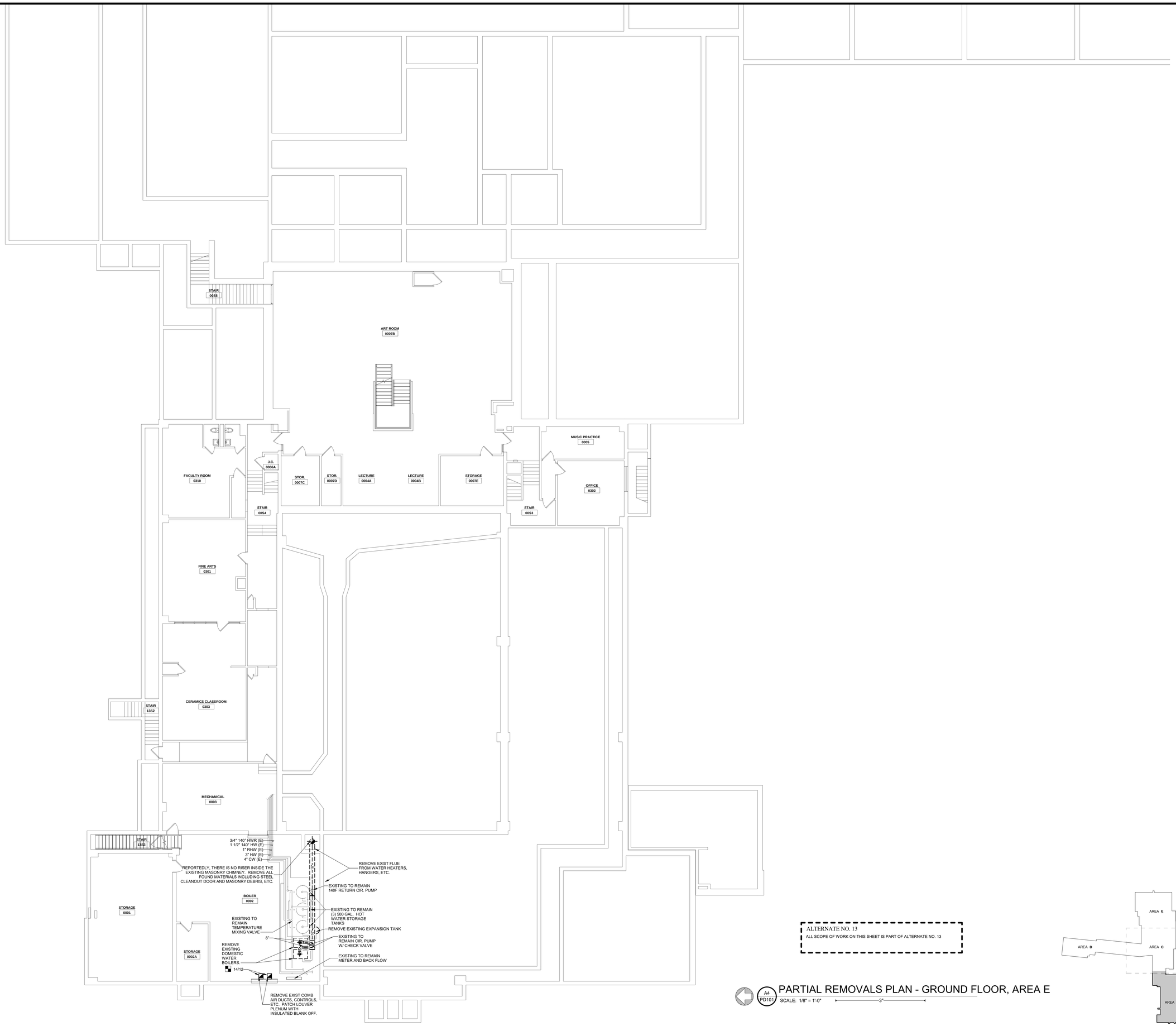
NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	MAS
CHECKED BY	EPF/GLS
SCALE	As indicated
PROJECT NO.	2194.1

DRAWING TITLE
DRAWING INDEX, SYMBOL LIST, ABBREVS., SCHEDULES & DETAILS

DRAWING NO.
P001



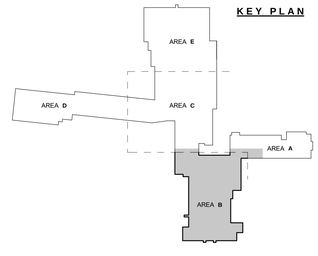
ALTERNATE NO. 13

ALL SCOPE OF WORK ON THIS SHEET IS PART OF ALTERNATE NO. 13

A4 / PD101 PARTIAL REMOVALS PLAN - GROUND FLOOR, AREA E

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

KEY PLAN



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096005

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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
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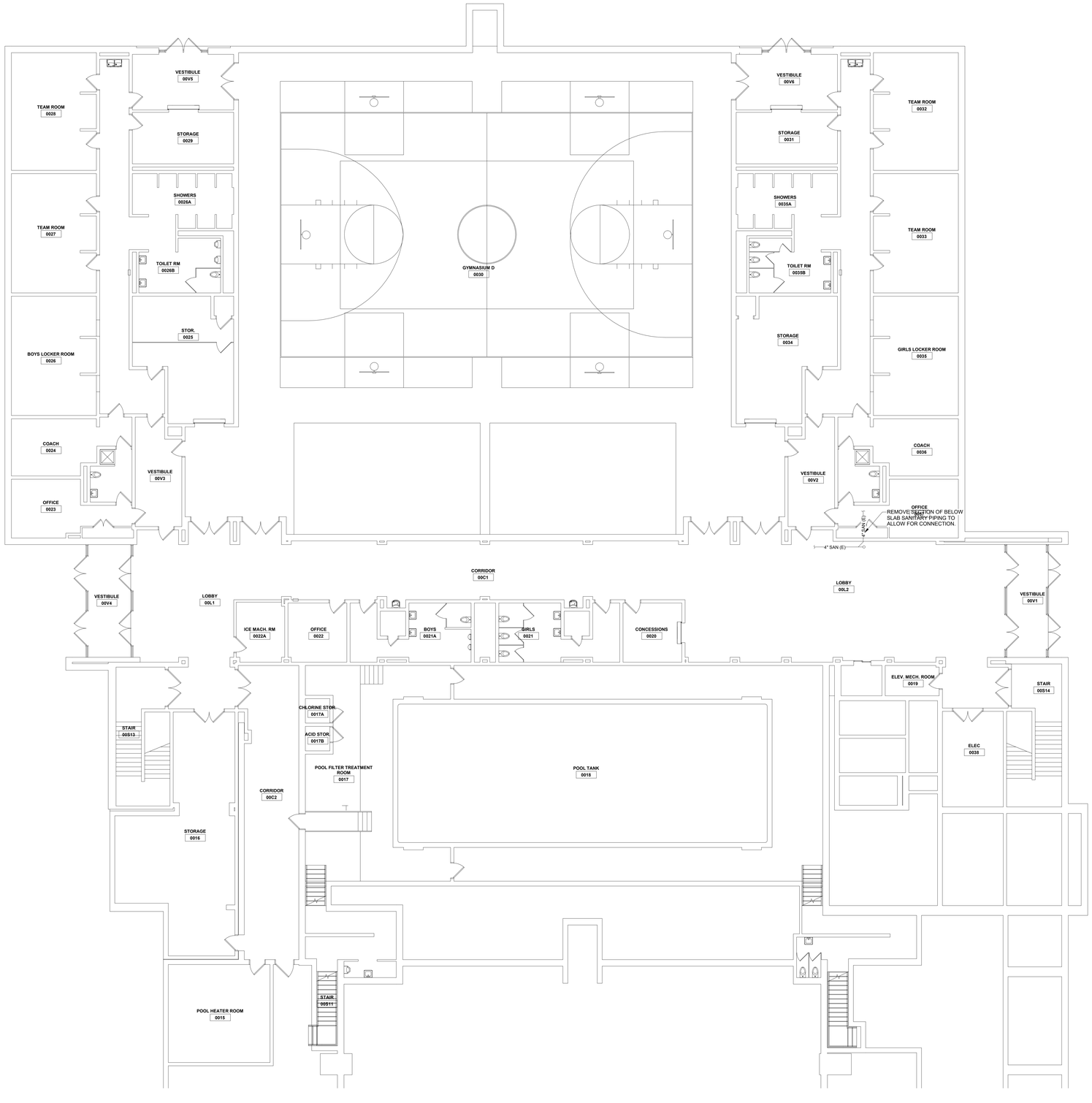
DRAWING TITLE
PARTIAL GROUND FLOOR REMOVAL PLAN - AREA B

DRAWING NO.
PD101



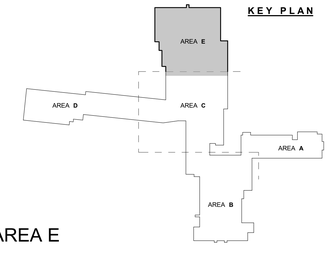
A5
PD102

PARTIAL REMOVALS PLAN - GROUND FLOOR, AREA E

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

3"

KEY PLAN



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721 E. Genesee Street
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Fax: 315-471-4044
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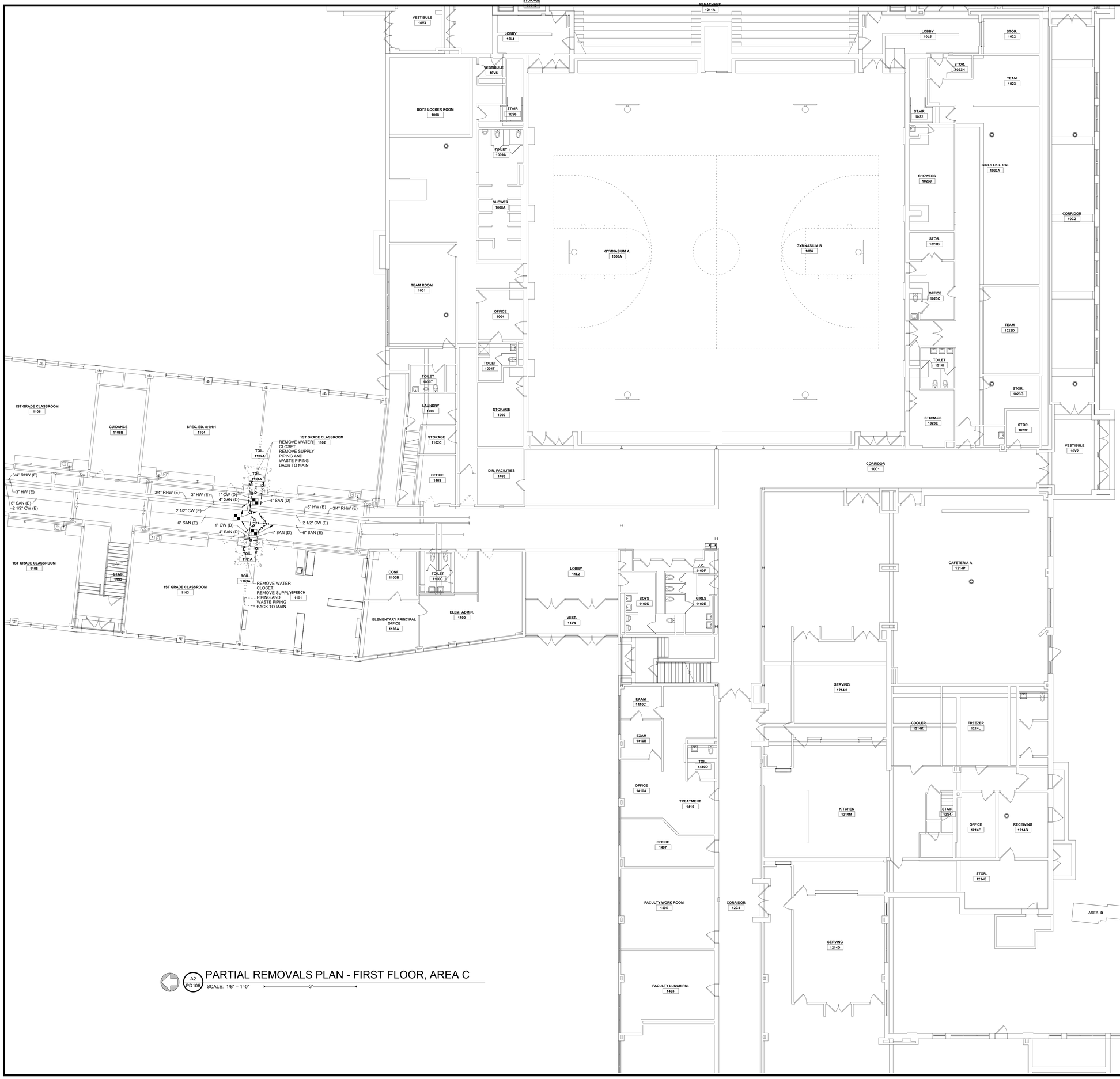
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA C

DRAWING NO.
PD102



KEY PLAN

A2 / PD105

PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA C

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

3"

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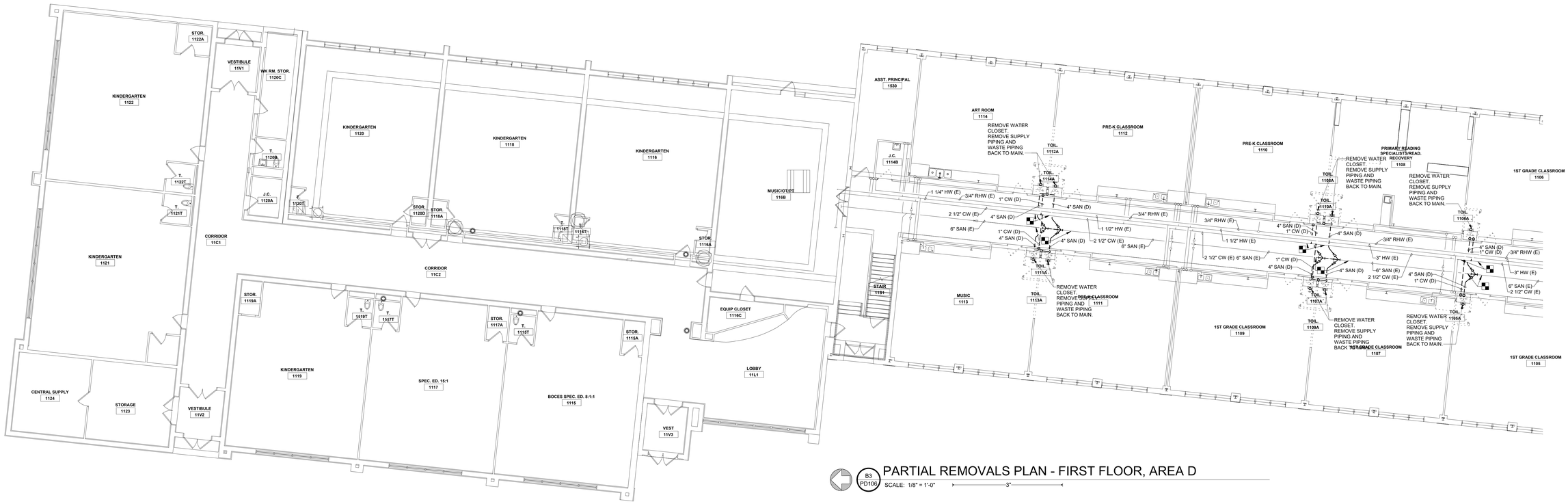
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL FIRST FLOOR REMOVAL PLAN - AREA C

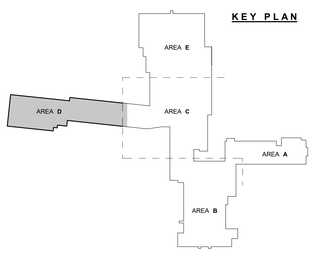
DRAWING NO.
PD105



B3
PD106

PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA D

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



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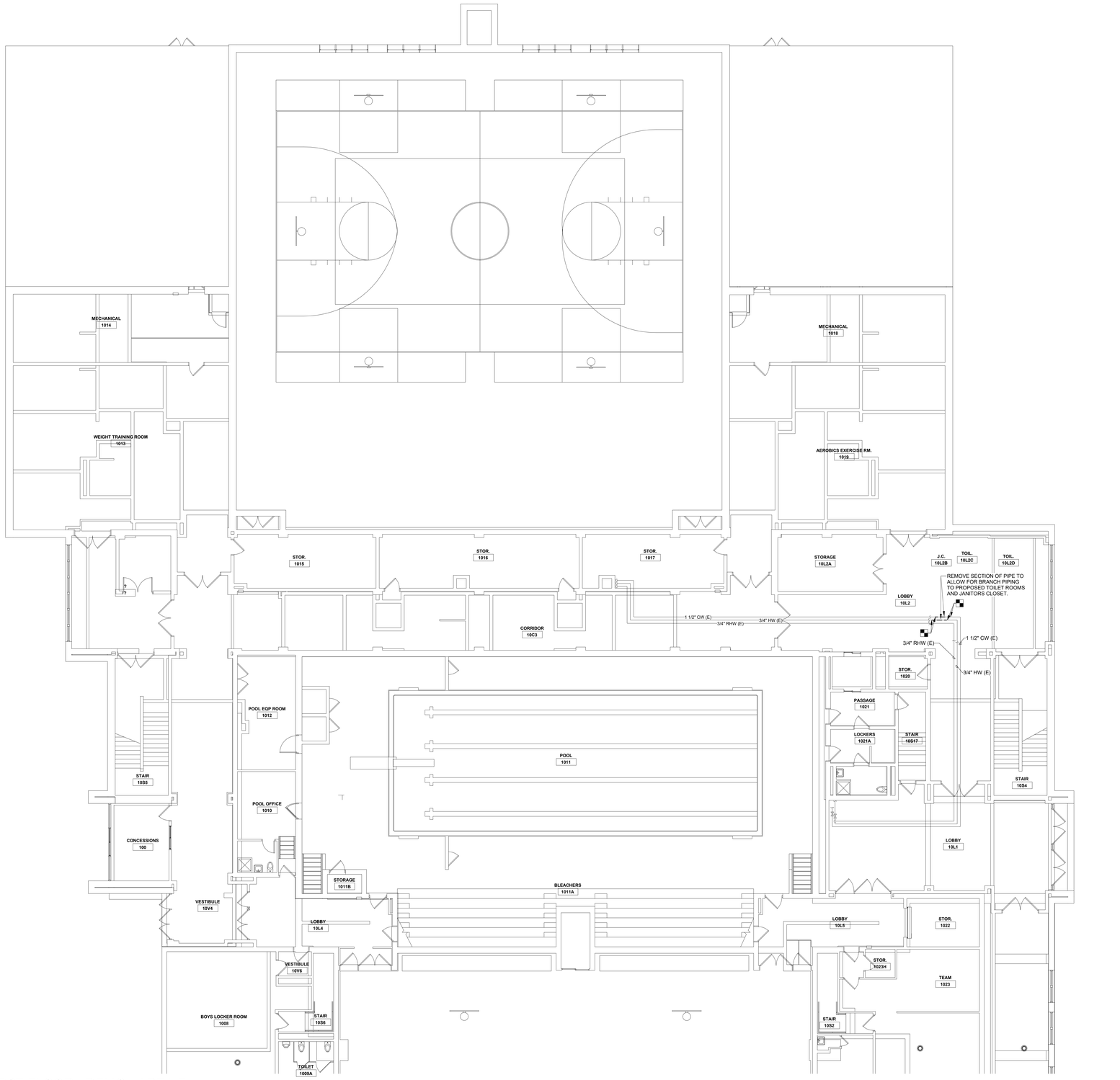
DRAWING TITLE
PARTIAL FIRST FLOOR REMOVAL PLAN - AREA D

DRAWING NO.
PD106



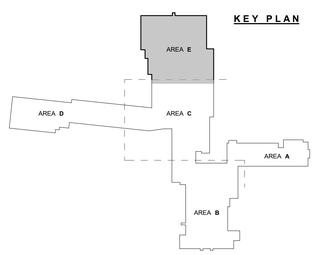
A2 / PD107 P_FIRST FLOOR - DEMO - AREA E

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

ALTERNATE NO. 12

ALL SCOPE OF WORK ON THIS SHEET IS PART OF ALTERNATE NO. 12

KEY PLAN



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Fax: 315-471-4044
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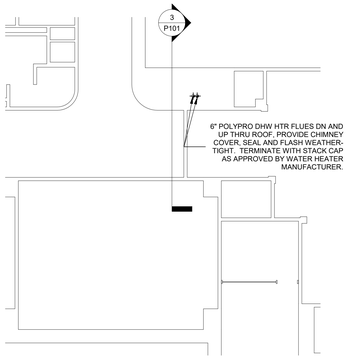
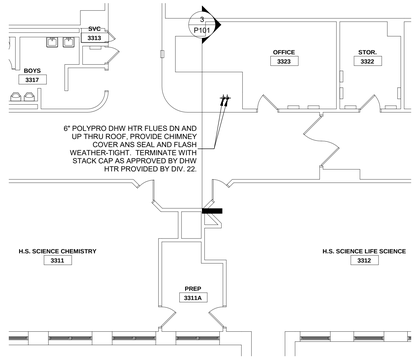
DRAWING TITLE
PARTIAL FIRST FLOOR REMOVAL PLAN - AREA E

DRAWING NO.
PD107



2 P101 SECOND FLOOR - AREA B DHW

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



4 P101 THIRD FLOOR DHW

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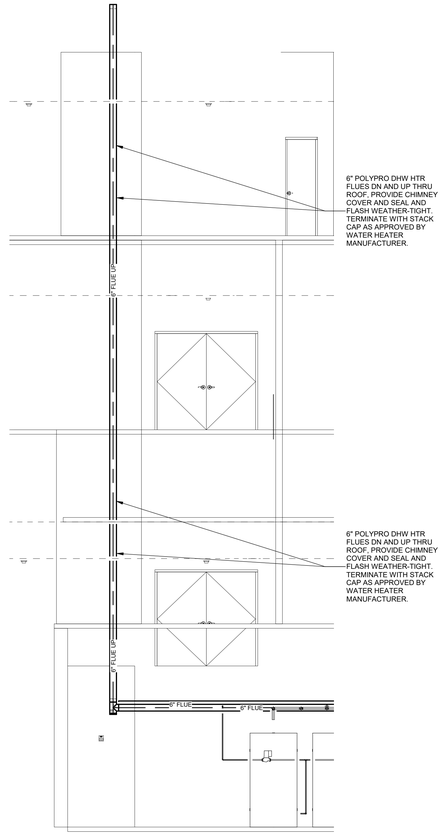
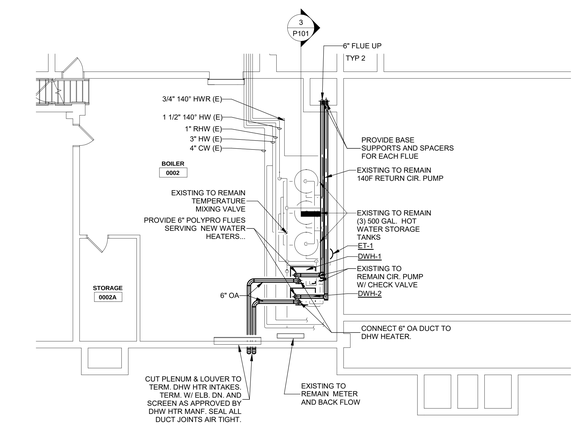


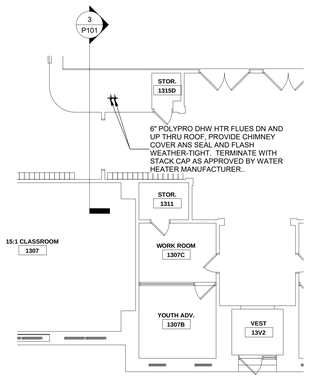
3 P101 DHW HEATER FLUE SECTION

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



A1 P101 GROUND FLOOR - AREA B DHW

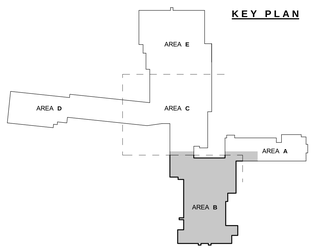
SCALE: 1/8" = 1'-0" 3"



1 P101 FIRST FLOOR - AREA B DHW

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

KEY PLAN



ALTERNATE NO. 13

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Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
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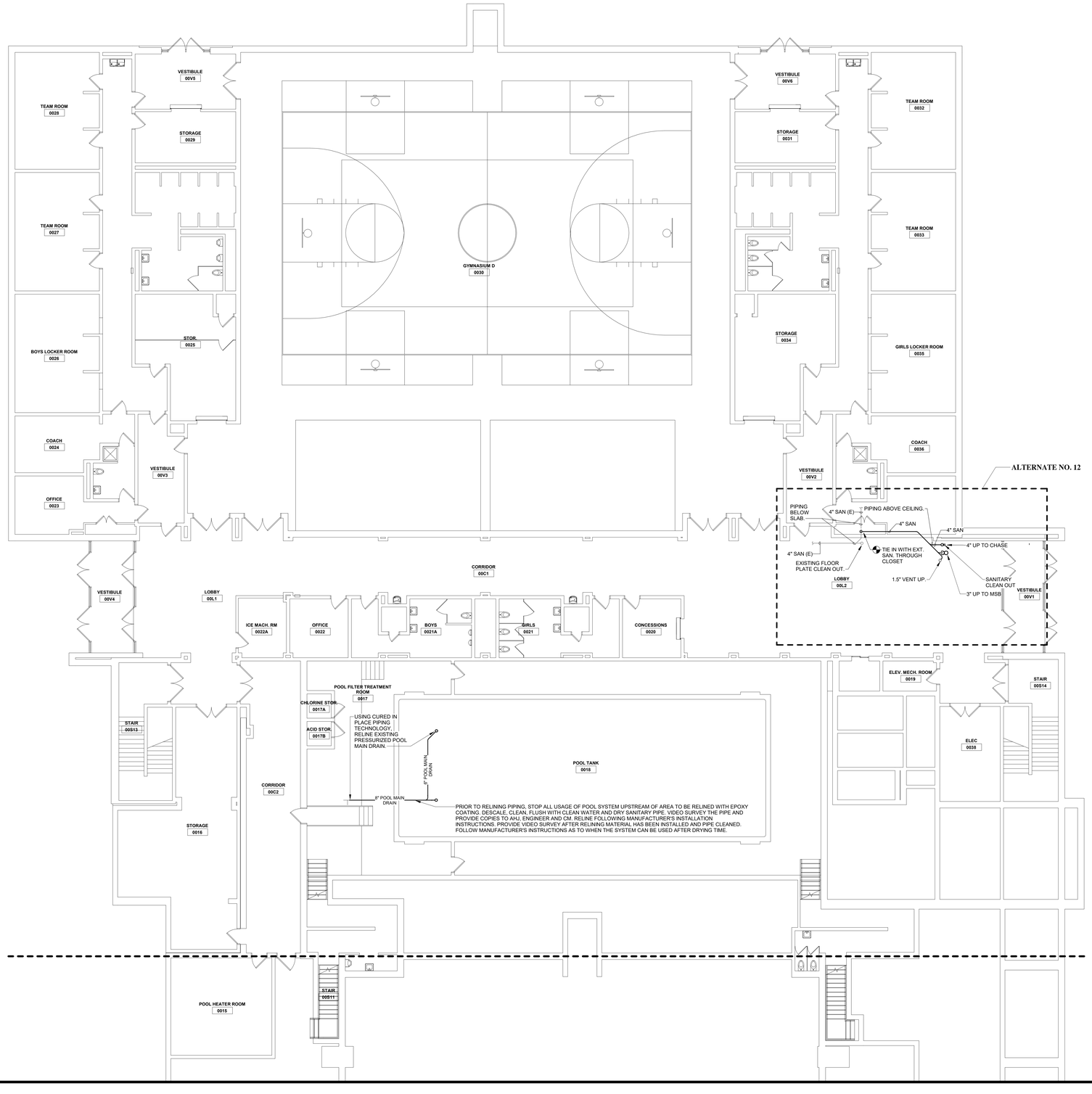
DRAWING TITLE
PARTIAL FLOOR PLANS - AREA B

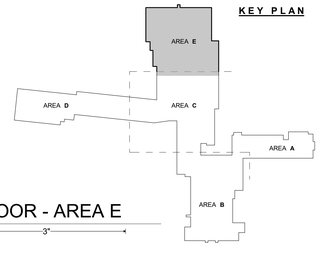
DRAWING NO.
P101



A1/P102 P_GROUND FLOOR - AREA E

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

KEY PLAN



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721 E. Genesee Street
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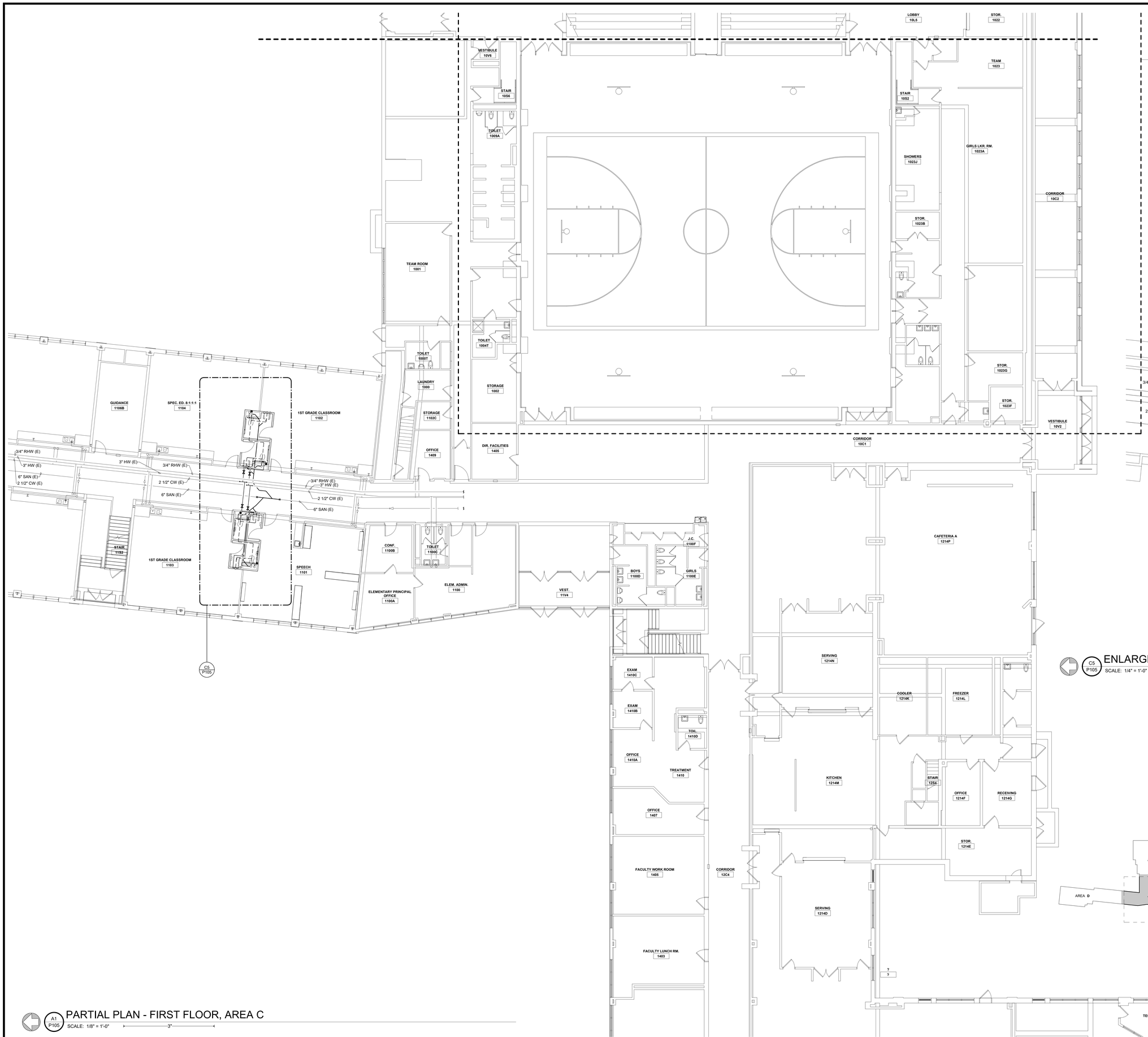
DRAWING TITLE
PARTIAL GROUND FLOOR PLAN - AREA E

DRAWING NO.
P102

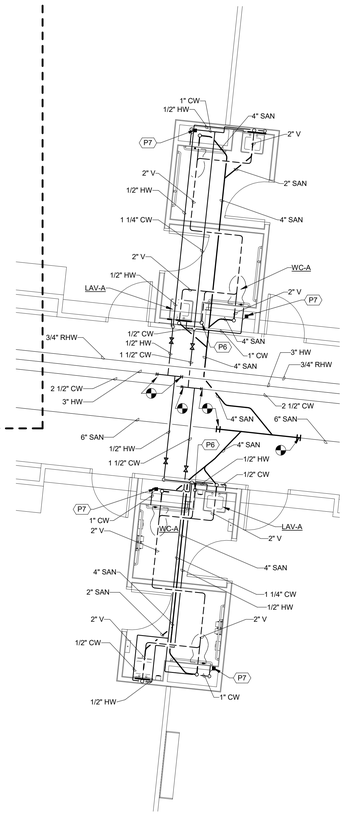
PLUMBING KEYED NOTES	
P6	PX - CONNECT TO EXISTING VENT UP THROUGH SECOND FLOOR
P7	WATER HAMMER ARRESTOR. SIZE PER CPVER SHEET. ON 1" CW.

ALTERNATE NO. 11



PARTIAL PLAN - FIRST FLOOR, AREA C

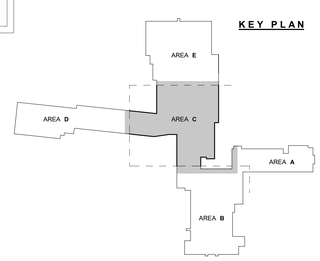
A1 P105 SCALE: 1/8" = 1'-0" 3"



C5 P105 ENLARGED TLT ROOMS 1101 TO 1104

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

KEY PLAN



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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.3344
marchassoc.com

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FS EXP.: 01/31/2025

FS ENGINEERING, DPC
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSE2013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
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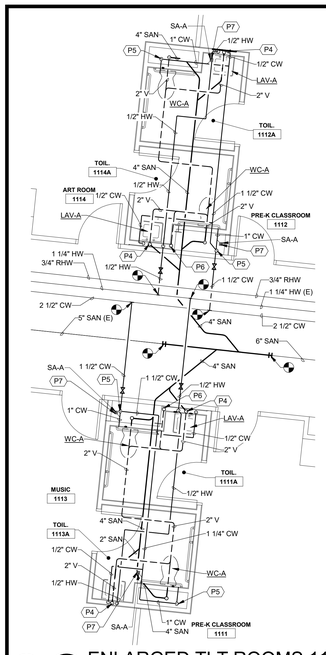
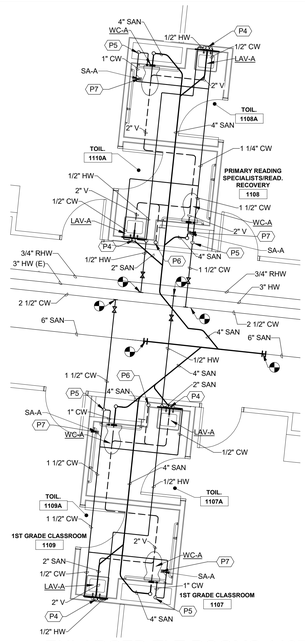
SCALE	As indicated
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL FIRST FLOOR PLAN - AREA C

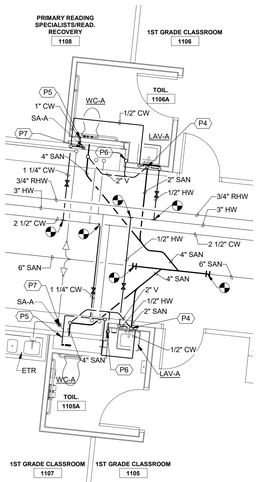
DRAWING NO.
P105



C1 P106 ENLARGED TLT ROOMS 1111 TO 1114
SCALE: 1/4" = 1'-0" 3"



C2 P106 ENLARGED TLT ROOMS 1107 TO 1110
SCALE: 1/4" = 1'-0" 3"

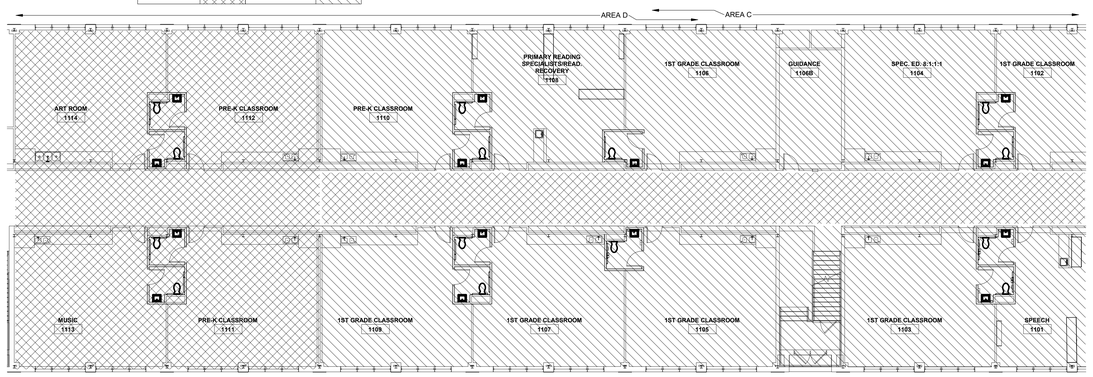


C3 P106 ENLARGED TLT ROOMS 1105 & 1106
SCALE: 1/4" = 1'-0" 3"

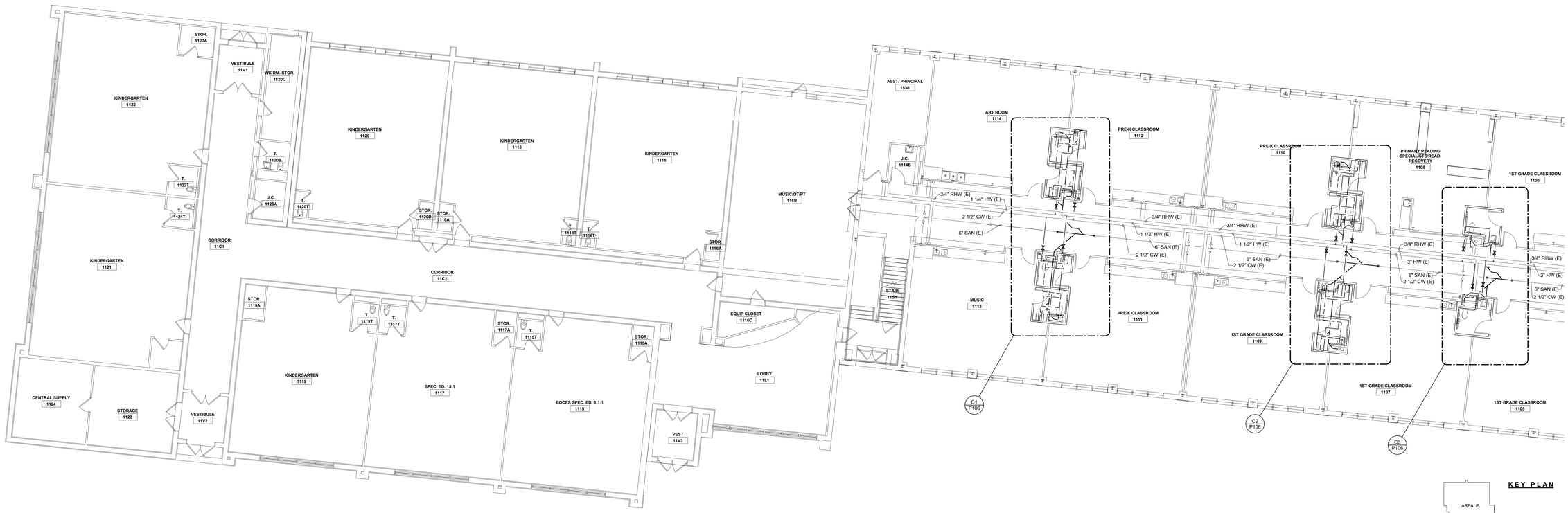
PLUMBING KEYED NOTES	
P4	1/2" HW & 1/2" CW DOWN TO LAV. 2" SAN DOWN TO CRAWLSPACE. 2" VENT UP TO ABOVE CEILING
P5	1" CW DOWN TO WATER CLOSET
P6	PX - CONNECT TO EXISTING VENT UP THROUGH SECOND FLOOR
P7	WATER HAMMER ARRESTOR. SIZE PER CPVER SHEET. ON 1" CW

KEY

CRAWL SPACE | SLAB ON GRADE

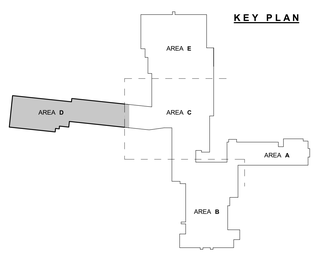


C4 P106 CRAWLSPACE PLAN LEGEND
SCALE: 3/32" = 1'-0" 3"



A1 P106 P_FIRST FLOOR - AREA D
SCALE: 1/8" = 1'-0" 3"

KEY PLAN



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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
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ELIZABETH P. FISHER
096005
LICENSED PROFESSIONAL ENGINEER
VALID THRU: 01/31/2024
FS CERT. NO.: 0019642
FS EXP.: 01/31/2025

F|S
FS ENGINEERING, DPC
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSEDP013

LOWVILLE ACADEMY & CENTRAL SCHOOL
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7668 STATE STREET, LOWVILLE, NEW YORK 13367
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REVISIONS			

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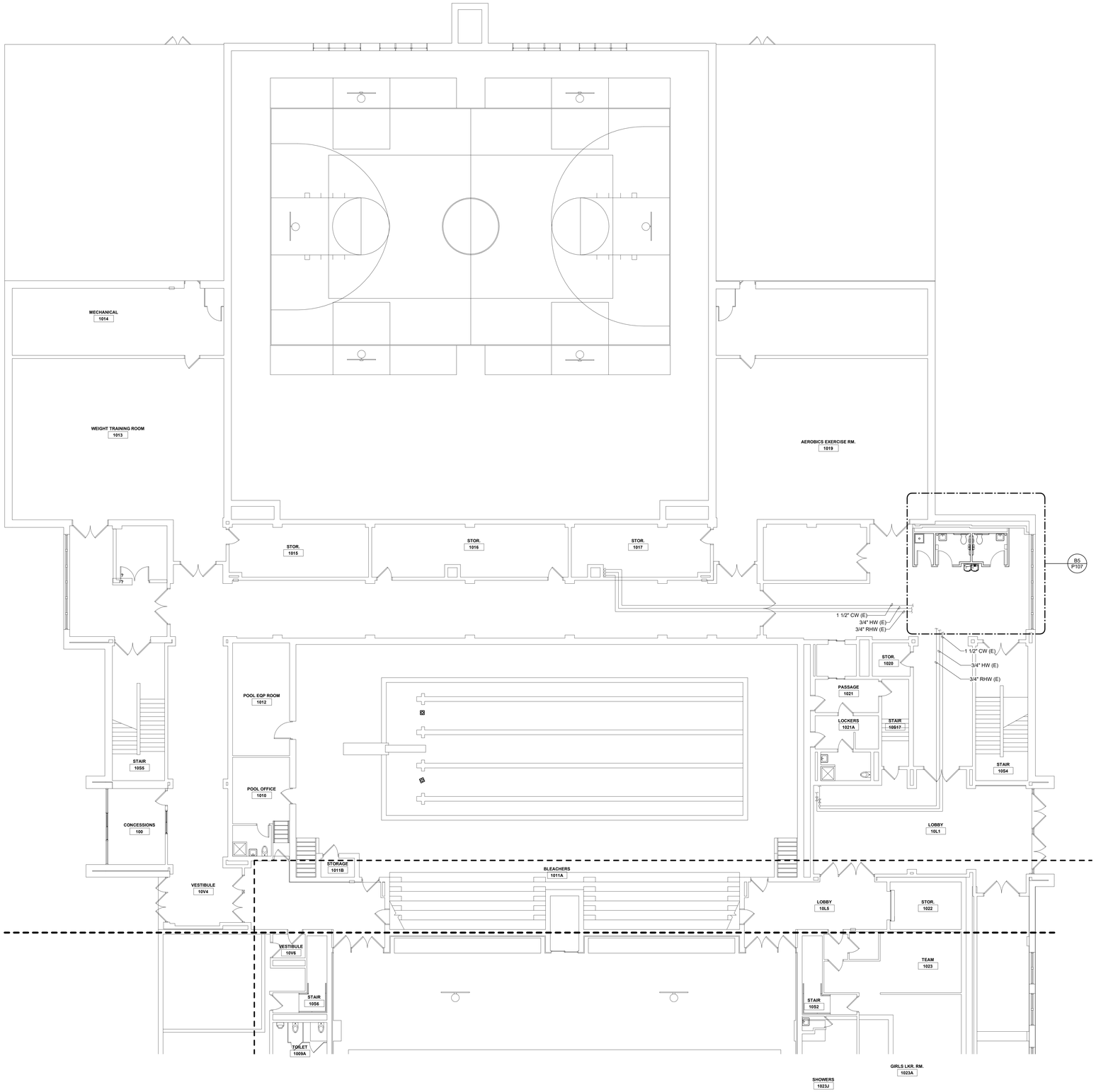
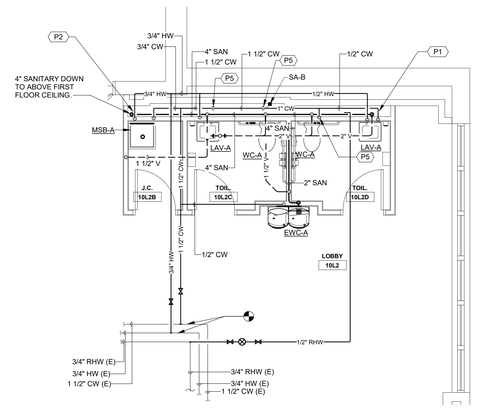
DRAWING TITLE
PARTIAL FIRST FLOOR PLAN - AREA D

DRAWING NO.
P106

PLUMBING KEYED NOTES	
P1	1/2" HW & 1/2" CW DOWN TO LAV. 2" SAN DOWN, 2" VENT UP TO ABOVE CEILING.
P2	3/4" HW & 3/4" CW DOWN TO MOP SINK.
P5	1" CW DOWN TO WATER CLOSET



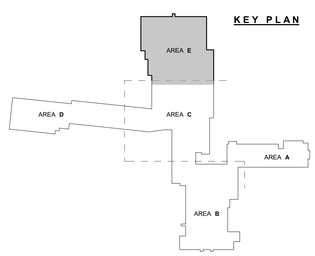
A1 / P107 P_FIRST FLOOR - AREA E
SCALE: 1/8" = 1'-0" 3"



B5 / P107 ENLARGED TLT ROOMS & J.C.
SCALE: 1/4" = 1'-0" 3"

ALTERNATE NO. 12
ALL SCOPE OF WORK ON THIS SHEET IS PART OF ALTERNATE NO. 12

KEY PLAN



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FS ENGINEERING, DPC
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
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DRAWING TITLE
PARTIAL FIRST FLOOR PLAN - AREA E

DRAWING NO.
P107

GENERAL MECHANICAL NOTES

A	REFER TO ARCHITECTURAL DRAWINGS FOR CEILING GRID WORK PREFORMED BY OTHERS. IF NOT SHOWN ELSEWHERE INCLUDE IN THIS DIVISIONS WORK AS REQUIRED.
B	WHERE WORK ISN'T SHOWN BY OTHERS, HVAC CONTRACTOR SHALL REMOVE, STORE, AND REINSTALL EXISTING LAY-IN CEILING TILES & TEES AS REQUIRED FOR ALL WORK SHOWN.
C	HVAC CONTRACTOR SHALL COORDINATE LEFT OR RIGHT UNIT CONNECTION ORIENTATION.
D	HVAC CONTRACTOR SHALL INSTALL UNIT TO ALLOW FOR MAINTENANCE ACCESS TO FILTERS, VALVES, CONTROLS, LUBRICATION POINTS, INCLUDING MOVING EXISTING INTERERENCES SUCH AS CONDUITS, WIRINGS AND PIPING.
E	HVAC CONTRACTOR SHALL HIRE OWNER APPROVED ROOFING CONTRACTOR AS TO NOT VOID ROOF WARRANTY.
F	CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, AND REPORT DISCREPANCIES TO THE ARCHITECT / ENGINEER AND AWAIT CLARIFICATION PRIOR TO PROCEEDING WITH REMOVAL AND RENOVATION WORK.

GENERAL ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BOS	BOTTOM OF STEEL
BTUH	BRITISH THERMAL UNIT PER HOUR
CFM	CUBIC FEET PER MINUTE
CO	CLEANOUT
COP	COEFFICIENT OF PERFORMANCE
DB	DRY BULB
DIA.	DIAMETER
°F	DEGREES FARENHEIT
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EFF.	EFFICIENCY
ELEC.	CONTRACTOR FOR ELECTRICAL DIVISION
EWT	ENTERING WATER TEMPERATURE
EXT	EXISTING
EXT. PD	EXTERNAL PRESSURE DROP
FF	FINISHED FLOOR
FL	FAIL LAST
FLA	FULL LOAD AMPACITY
FLR	FLOOR
FP	CONTRACTOR FOR FIRE PROTECTION
FPM	FEET PER MINUTE
FS	FLOW SWITCH
FSD	FIRE / SMOKE DAMPER
FT	FEET
FT-HD	FEET OF HEAD (PRESSURE)
GC	CONTRACTOR FOR GENERAL CONSTRUCTION DIVISION
GPM	GALLONS PER MINUTE
GRD	GRILLES, REGISTERS, DIFFUSERS
HGT	HEIGHT
HP	HORSEPOWER
HVAC	CONTRACTOR FOR HEATING, VENTILATING & AIR CONDITIONING DIVISION
IN-WC	INCHES OF WATER COLUMN (PRESSURE)
IN.	INCH
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MAX.	MAXIMUM
MBH	1,000 BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MGAP	MEDICAL GAS ALARM PANEL
MIN.	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM.	NOMINAL
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAI	OUTDOOR AIR INTAKE
OED	OPEN-END DUCT
PD	PRESSURE DROP
PH	PHASE
PLBG.	CONTRACTOR FOR PLUMBING DIVISION
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH / SENSOR
PSI	POUNDS PER SQUARE INCH
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RV	RELIEF VALVE
SA	SUPPLY AIR
SENS.	SENSIBLE
SPL	SOUND PRESSURE LEVEL
SWL	SOUND POWER LEVEL
TA	TRANSFER AIR
TC	TEMPERATURE CONTROLS CONTRACTOR
TDV	TRIPLE DUTY VALVE
TOS	TOP OF STEEL
TS	TAMPER SWITCH
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UVC	ULTRAVIOLET LIGHT
VRA	VENTILATION RELIEF AIR
VRS	VENTILATION SUPPLY AIR
WB	WET BULB
ZVB	ZONE VALVE BOX

MECHANICAL PIPING SYMBOLS & ABBREVIATIONS

SYMBOL — DESCRIPTION

- SHUTOFF VALVE (REFER TO SPECIFICATIONS FOR SPECIFIC TYPE)
- SPECIFIC SHUTOFF VALVE TYPES:
  - GATE VALVE
  - BALL VALVE
  - BUTTERFLY VALVE
  - GLOBE VALVE
- CHECK VALVE
- CALIBRATED BALANCING VALVE
- PETCOCK
- DRAIN VALVE WITH CAPPED AND CHAINED HOSE END
- TRIPLE DUTY VALVE
- PRESSURE REDUCING REGULATOR VALVE
- TEMPERATURE WELL
- THERMOMETER
- TEMPERATURE SENSOR
- PIPE GUIDE
- PIPE ANCHOR
- EXPANSION JOINT
- MV AV — MANUAL AIR VENT / AUTOMATIC AIR VENT
- STRAINER
- STRAINER W/ BLOW OFF
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- PIPE UP / PIPE DOWN (ELBOW)
- BRANCH CONNECTION - UP / DOWN
- CONCENTRIC REDUCER
- PIPING (ARROW INDICATES DIRECTION OF FLOW)
- UNION
- PIPE CAP
- PRESSURE GAUGE (WITH VALVE)
- FS — FLOW SWITCH
- PS — PRESSURE SWITCH
- PRESSURE RELIEF VALVE
- CONDENSATE "P"-TRAP
- -UP- -DN- — PITCH OF PIPE

GRILLE, REGISTER & DIFFUSER SYMBOLS

SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER (NOMINAL 2' x 2')
	RETURN / EXHAUST AIR REGISTER
SL8 / CFM	SUPPLY DIFFUSER PLAN SYMBOL EXPLANATION: SUPPLY DIFFUSER TYPE (SEE SCHEDULE) CFM
RE10 / CFM	REGISTER/GRILLE PLAN SYMBOL EXPLANATION: REGISTER/GRILLE TYPE (SEE SCHEDULE) CFM (E = EXHAUST / R = RETURN)
	LINEAR SLOT DIFFUSER WITH DISTRIBUTION PLENUM

REGISTER AND DIFFUSER AIR FLOW PATTERNS

4-WAY BLOW — 3-WAY BLOW — 2-WAY BLOW

LOW VELOCITY DUCTWORK SYMBOLS

DESCRIPTION	SINGLE LINE	DOUBLE LINE
DIRECTION OF FLOW		
DUCT SIZE, FIRST FIGURE IS SIZE SHOWN	12/20	12/20
SUPPLY DUCT SECTION (POSITIVE) PRESSURE, FIRST FIGURE IS TOP	20/12	20/12
RETURN / EXHAUST DUCT SECTION	20/12	20/12
ROUND SIDE TAP WITH VOLUME DAMPER (UNLESS OTHERWISE NOTED)		
90° BRANCH TAKE OFF (45° ENTRY TYPE FOR RECTANGULAR DUCT)		45°, AxB, VD, 4" (MIN), 1-1/4(A)XB (MIN), VD
DUAL 90° BRANCH TAKE OFF (45° ENTRY TYPE)		VD, VD, VD
FLEXIBLE DUCT		
FLEX CONNECTION		
ACCESS DOOR	AD	AD
GRILLE REGISTER OR DIFFUSER IN BOTTOM OF DUCT		
DUCT ELBOW UP OR DOWN	TURN DOWN 12x6 TURN UP	TURN DOWN 12x6 TURN UP
LONG RADIUS 90 DEGREE ELBOW OR TURNING VANES		OR
TRANSITION: LOCATION OF TRANS. IS DIAGRAMMATICAL CONTRACTOR MAY EXTEND LENGTH OF LARGER DUCT TO ACCOMMODATE STD. LENGTH DUCT SECTIONS.		AS SHOWN, CONTRACTOR'S OPTION
90 DEGREE BRANCH TAKEOFF FROM VERTICAL DUCT-45 DEGREE ENTRY TYPE	PLAN, ELEV.	PLAN, ELEV.
DUCT RISE / DROP TO AVOID OBSTRUCTION ARROW INDICATES AIR FLOW DIRECTION	R RISE / D DROP	UP RISE / DN DROP
90° BRANCH TAKE OFF (TEE TYPE FOR ROUND DUCT)		VD VD
SUPPLY DUCT PENETRATION OF FLOOR OR ROOF ABOVE. SEE PLANS FOR DAMPER REQUIREMENTS		
RETURN / EXHAUST DUCT PENETRATION OF FLOOR OR ROOF ABOVE. SEE PLANS FOR DAMPER REQUIREMENTS		

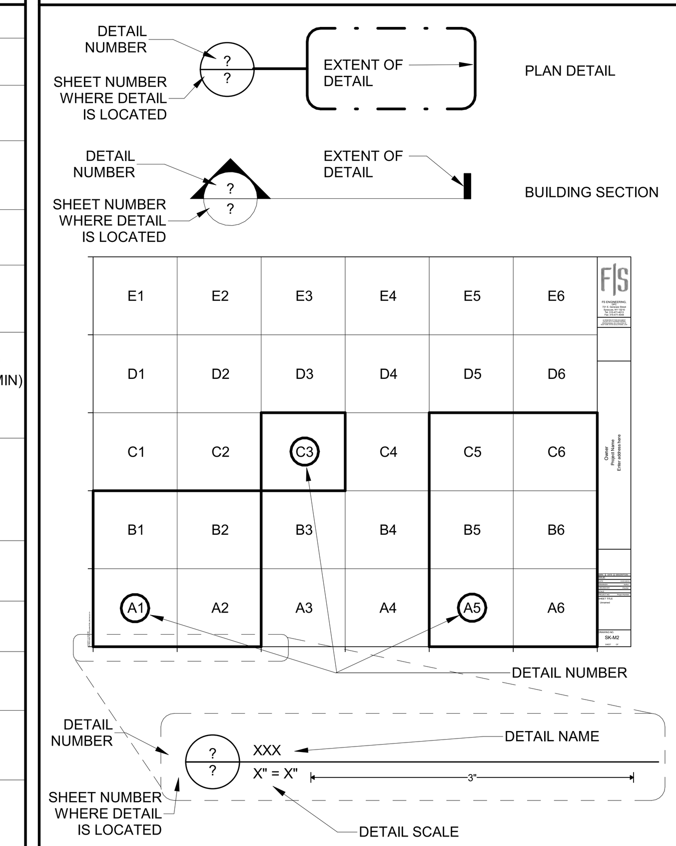
DUCTWORK SYMBOLS & ABBREVIATIONS

SYMBOL	DESCRIPTION
DSD	DUCT SMOKE DETECTOR (FURNISHED & WIRED BY DIV 28, MOUNTED BY DIV 23. INSTALL PER MANUFACTURER'S INSTRUCTIONS)
FD	FIRE DAMPER
SD	SMOKE DAMPER
FSD	FIRE SMOKE DAMPER
VD	VOLUME DAMPER
AAD	AUTOMATIC AIR DAMPER
14/10	RECTANGULAR DUCT (SIZE IN INCHES)
14Ø	ROUND DUCT (DIAMETER IN INCHES)
14/10Ø	OVAL DUCT (SIZE IN INCHES)

TEMPERATURE CONTROLS ABBREVIATIONS

SYMBOL	DESCRIPTION
CO_2	CARBON DIOXIDE SENSOR
CO	CARBON MONOXIDE SENSOR
SP	STATIC PRESSURE SENSOR
T_S	TEMPERATURE SENSOR
H	HUMIDITY SENSOR
T/H	TEMPERATURE/HUMIDITY SENSOR
T #	THERMOSTAT C = COMMUNICATION PORT N = NIGHT SETBACK P = PNEUMATIC G = LOCKING GUARD COVER Z = ZONE

PLAN SETUP



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USE 3/8th SCALE ON 1/4"=1'-0" DWG

IF LINE MEASURES 1.5" (50% COPY):
USE 1/16th SCALE ON 1/8"=1'-0" DWG
USE 1/8th SCALE ON 1/4"=1'-0" DWG

3"

SYSTEM PHASING SYMBOLS

SYMBOL	DESCRIPTION
(10x6) SYS (E)	DUCTWORK EXISTING TO REMAIN IN THIS CONTRACT OR ACTIVE PHASE OF CONTRACT
SYS (D)	DUCTWORK REMOVED IN THIS CONTRACT OR ACTIVE PHASE OF CONTRACT
SYS	DUCTWORK PROVIDED IN THIS CONTRACT OR ACTIVE PHASE OF CONTRACT
(10) SYS (E)	PIPE EXISTING TO REMAIN IN THIS CONTRACT OR ACTIVE PHASE OF CONTRACT
SYS (D)	PIPE REMOVED IN THIS CONTRACT OR ACTIVE PHASE OF CONTRACT
SYS	PIPE PROVIDED IN THIS CONTRACT OR ACTIVE PHASE OF CONTRACT
SYS (E)	SYSTEM NAME (E) = EXIST TO REMAIN, (D) = EXIST TO BE REMOVED
	POINT OF CONNECTION - NEW TO EXISTING
	POINT OF REMOVAL - DEMOLITION TO EXISTING
M#	KEYED NOTE
MD#	DEMOLITION KEYED NOTE
	DEDICATED ELECTRICAL AREA - NO MECHANICAL WORK ALLOWED IN OR ABOVE HIGHLIGHTED AREA UNLESS SPECIFICALLY NOTED OTHERWISE

HVAC DUCT SYSTEM ABBREVIATIONS

ABBREV.	DESCRIPTION
EA	EXHAUST AIR
FLUE	FLUE
OA	OUTDOOR AIR
RA	RETURN AIR
SA	SUPPLY AIR

HVAC PIPE SYSTEM ABBREVIATIONS

ABBREV.	DESCRIPTION
CD	CONDENSATE DRAIN
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
PCD	PUMPED AC CONDENSATE DRAIN
RL	REFRIGERANT - LIQUID
RS	REFRIGERANT - SUCTION

HVAC EQUIPMENT ABBREVIATIONS

ABBREV.	DESCRIPTION
ACCU	AIR-COOLED CONDENSING UNIT
BC	BRANCH CIRCUIT CONTROLLER
HRU	HEAT RECOVERY UNIT
RCP	RADIANT PANEL
RTU	ROOFTOP UNIT
VRF	VARIABLE REFRIGERANT FLOW UNIT

MECHANICAL DRAWING INDEX

NUMBER	NAME	REVISIONS #	REVISIONS DATE
M001	DRAWING INDEX, SYMBOLS, ABBREVS. & SCHEDULES		
MCC1	MECHANICAL CODE COMPLIANCE		
MD104	PARTIAL GROUND FLOOR REMOVALS PLAN - AREA B		
MD105	PARTIAL FIRST FLOOR REMOVALS PLAN - AREA C HVAC		
MD106	PARTIAL FIRST FLOOR REMOVALS PLAN - AREA D HVAC		
MD109	PARTIAL SECOND FLOOR REMOVALS PLAN - AREA B HVAC		
MD110	PARTIAL SECOND FLOOR REMOVALS PLAN - AREA C HVAC		
MD111	PARTIAL SECOND FLOOR REMOVALS PLAN - AREA D HVAC		
MD114	ROOF REMOVALS PLAN HVAC		
M103	PARTIAL PLANS - AREA B HVAC		
M104	PARTIAL GROUND FLOOR PLAN - AREA E HVAC		
M105	PARTIAL FIRST FLOOR PLAN - AREA C HVAC		
M106	PARTIAL FIRST FLOOR PLAN - AREA D HVAC		
M107	PARTIAL FIRST FLOOR PLAN - AREA E HVAC		
M109	PARTIAL SECOND FLOOR PLAN - AREA B HVAC		
M110	PARTIAL SECOND FLOOR PLAN - AREA C HVAC		
M114	ROOF PLAN - HVAC		
M601	EQUIPMENT SCHEDULES & HVAC DETAILS		

TO THE BEST OF THE ENGINEER'S PROFESSIONAL JUDGEMENT, THE DESIGN OF THIS PROJECT CONFORMS TO ALL APPLICABLE PORTIONS OF THE FOLLOWING:

- ☒ THE 2020 NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE
- ☒ THE 2020 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, 2016 ASHRAE 90.1, AND 2007 ASHRAE 183; FOLLOWING THE COMPLIANCE PATH MARKED BELOW:
  - ⊗ ANSI / ASHRAE / IESNA 90.1, AS AMENDED BY 19 NYCRR PART 1240.
  - ⊗ ECCCNYS CHAPTER 4 [CE] PRESCRIPTIVE PROVISIONS (SECTIONS C402, C403, C404, C405, C408 AND ONE OF THE SIX OPTIONS IN SECTION C406 AS NOTED BELOW:
    - ☐ MORE EFFICIENT HVAC PERFORMANCE IN ACCORDANCE WITH SECTION C406.2.
    - ☒ REDUCED LIGHTING POWER DENSITY SYSTEM IN ACCORDANCE WITH SECTION C406.3.
    - ☐ ENHANCED LIGHTING CONTROL IN ACCORDANCE WITH SECTION C406.4.
    - ☐ ON-SITE SUPPLY OF RENEWABLE ENERGY IN ACCORDANCE WITH SECTION C406.5.
    - ☐ PROVISION OF A DEDICATED OUTDOOR AIR SYSTEM FOR CERTAIN HVAC EQUIPMENT IN ACCORDANCE WITH SECTION C406.6.
    - ☐ HIGH-EFFICIENCY SERVICE WATER HEATING IN ACCORDANCE WITH SECTION C406.7.
    - ☐ ENHANCED ENVELOPE PERFORMANCE IN ACCORDANCE WITH SECTION C406.8.
    - ☐ REDUCED AIR INFILATRATION IN ACCORDANCE WITH SECTION C406.9.
  - ○ TOTAL BUILDING PERFORMANCE PROVISIONS (SECTION C407)
- ☒ THE NEW YORK STATE EDUCATION DEPARTMENT ("SED") MANUAL OF PLANNING STANDARDS
- ☐ THE 2014 FGI GUIDELINES FOR DESIGN AND CONSTRUCTION OF HOSPITALS AND OUTPATIENT FACILITIES
- ☐ THE 2018 FGI GUIDELINES FOR DESIGN AND CONSTRUCTION OF:
  - ☐ HOSPITALS
  - ☐ OUTPATIENT FACILITIES
  - ☐ RESIDENTIAL HEALTH, CARE, AND SUPPORT FACILITIES

ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED

HVAC DESIGN CRITERIA

INTERIOR DESIGN CONDITIONS	
HEATING	70°F DB
COOLING	75°F DB / 45% RH
OUTDOOR DESIGN CONDITIONS	
SUMMER	88°F DB / 72°F WB
WINTER	-12°F DB
COUNTY / CLIMATE ZONE	LEWIS / 5

DESIGN LOADS HAVE BEEN DETERMINED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN ANSI / ASHRAE / ACCA STANDARD 183

PIPE INSULATION SCHEDULE

FLUID TEMP RANGE (°F)	PIPE SIZE (IN)	CONDUCTIVITY BTU*IN/(hr*FT2*°F)	MEAN RATING TEMP (°F)	INSULATION THICKNESS (IN)
141 - 200	< 1-1/2	0.25 - 0.29	125	1.5
	1-1/2 to </= 8	0.25 - 0.29	125	2.0
105 - 140	< 1-1/2	0.21 - 0.28	100	1.0
	1-1/2 to </= 8	0.21 - 0.28	100	1.5
61 - 104	ALL	N/A	N/A	N/A
40 - 60	< 1-1/2	0.21 - 0.27	75	0.5
	1-1/2 to </= 8	0.21 - 0.27	75	1.0
< 40	< 1	0.20 - 0.26	75	0.5
	1 to </= 8	0.20 - 0.26	75	1.0
	> 8	0.20 - 0.26	75	1.5

NOTES:
1. FOR EXTERIOR PIPING, PROVIDE ADDITIONAL PROTECTIVE JACKET, MATERIAL AS SPECIFIED.
2. PROVIDE HEAT TRACING WHERE NOTED, AND INSULATION FOR HEAT-PUMP PIPING SERVING ROOFTOP UNITS.
3. PROVIDE FACTORY APPLIED ASJ FOR ALL FIBERGLASS PIPE INSULATION.
4. PROVIDE VAPOR BARRIER ON ALL SYSTEMS OPERATING BELOW AMBIENT TEMPERATURE.
5. PROVIDE DOUBLE THICKNESS INSULATION FOR EXTERIOR, ABOVE-GRADE PIPING.
6. PROVIDE PVC JACKET ON ALL INTERIOR, INSULATED, EXPOSED PIPING. PIPING EXPOSED IN MECHANICAL ROOM DOES NOT REQUIRE A PVC JACKET UNLESS NOTED ON PLANS.
7. PIPE INSULATION SHALL BE PAINTABLE.

SYSTEM	FLUID TEMPERATURE RANGE (°F)
STEAM (5 PSIG TO 30 PSIG)	220 - 275
STEAM CONDENSATE	130 - 225
HIGH TEMPERATURE HOT WATER	351 - 450
MEDIUM TEMPERATURE HOT WATER	251 - 350
LOW TEMPERATURE HOT WATER	201 - 250
	141 - 200
	110 - 140
GEOTHERMAL HEAT PUMP	20 - 110
HEAT PUMP	65 - 90
CHILLED WATER	40 - 60
BRINE	40 - 60
COLD WATER MAKE-UP	40 - 55
COIL CONDENSATE DRAINAGE	40 - 60
REFRIGERANT SUCTION	45 - 55

DUCT INSULATION SCHEDULE
MINIMUM INSTALLED "R" VALUE (CLIMATE ZONES 5 THROUGH 8)

SERVICE	INSIDE BUILDING ENVELOPE			WITHIN BUILDING ENVELOPE	OUTSIDE BUILDING ENVELOPE (NOTE 4)
	UNCONDITIONED SPACE	INDIRECTLY CONDITIONED SPACE	CONDITIONED SPACE		
HEATING AND/OR AIR-CONDITIONING SUPPLY AIR	R-6	SEE NOTE 1	SEE NOTE 1	R-12	R-12
HEATING AND/OR AIR-CONDITIONING RETURN AIR	R-6	NONE	NONE	R-12	R-12
HEAT PUMP SUPPLY AIR	R-6	SEE NOTE 1	SEE NOTE 1	R-12	R-12
TRANSFER AIR DUCTS	R-6	NONE	NONE	R-12	R-12
OUTSIDE-AIR DUCTS, PLENUMS, MIXING BOXES	R-6	R-5	R-5	R-12	R-12
LOUVER BLANK-OFFS	R-12	R-12	R-12	R-12	N/A
RELIEF-AIR DUCTS AND PLENUMS	NONE (NOTE 3)	NONE	NONE	NONE (NOTE 2)	N/A (NOTE 2)
EXHAUST AIR DUCTS	NONE (NOTE 3)	NONE	NONE	NONE (NOTE 2)	N/A (NOTE 2)
EXHAUST AIR DUCTS LEAVING ENERGY RECOVERY UNIT	R-6	R-5	R-5	R-12	N/A
VENTILATION SUPPLY AIR BELOW 60 DEG F	R-6	R-5	R-5	R-12	R-12
VENTILATION SUPPLY AIR ABOVE 60 DEG F	R-6	NONE	NONE	R-12	R-12
AIR-CONDITIONING SUPPLY AND RETURN AIR THROUGH POOL AREAS	R-6	R-1.3	R-1.3	R-12	R-12
VENTILATION SUPPLY AIR BELOW 60 DEG F, THROUGH POOL AREAS	R-6	R-6	R-6	R-12	R-12
VENTILATION SUPPLY AIR ABOVE 60 DEG F, THROUGH POOL AREAS	R-6	R-1.3	R-1.3	R-12	R-12
CONCEALED KITCHEN EXHAUST DUCTWORK	R-6	R-6	R-6	R-12	R-12

NOTES:
1. ENERGY CODE DOES NOT REQUIRE INSULATION, HOWEVER INSULATION IS REQUIRED TO PREVENT CONDENSATION ON DUCTWORK. PROVIDE A MINIMUM THICKNESS.
2. PROVIDE R-12 IF DUCTED TO AN ENERGY RECOVERY UNIT.
3. PROVIDE R-6 IF DUCTED TO AN ENERGY RECOVERY UNIT.
4. PROVIDE FIELD APPLIED JACKET.

DEFINITIONS:
1. **UNCONDITIONED SPACE:** INCLUDES SPACES NOT DIRECTLY HEATED OR COOLED SUCH AS VENTED AND UNVENTED ATTICS, SHAFTS AND VENTED CRAWLSPACES.
2. **INDIRECTLY CONDITIONED SPACE:** SPACES THAT ARE NOT CONDITIONED DIRECTLY BUT HAVE UNINSULATED SURFACES SEPARATING THEM FROM CONDITIONED SPACES AND ARE INCLUDED WITHIN THE INSULATED ENVELOPE OF THE BUILDING.
3. **CONDITIONED SPACE:** AN AREA OR ROOM WITHIN A BUILDING BEING HEATED OR COOLED, OR WITH A FIXED OPENING DIRECTLY INTO AN ADJACENT CONDITIONED SPACE.

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.3344
marchassoc.com

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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FS#22013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	DRG
CHECKED BY	EPF
SCALE	As indicated
PROJECT NO.	2194.1

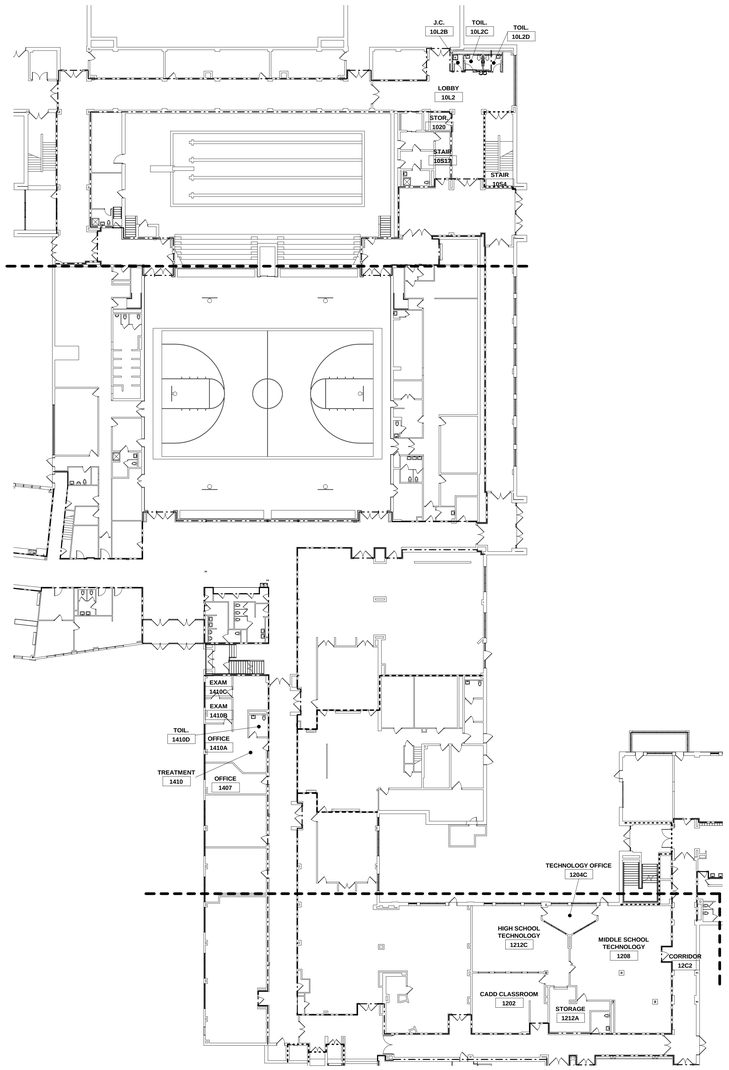
DRAWING TITLE
DRAWING INDEX, SYMBOLS, ABBREVS. & SCHEDULES

DRAWING NO.
M001

LOWVILLE CSD MAIN K12 BLDG VENTILATION AIRFLOW SUMMARY

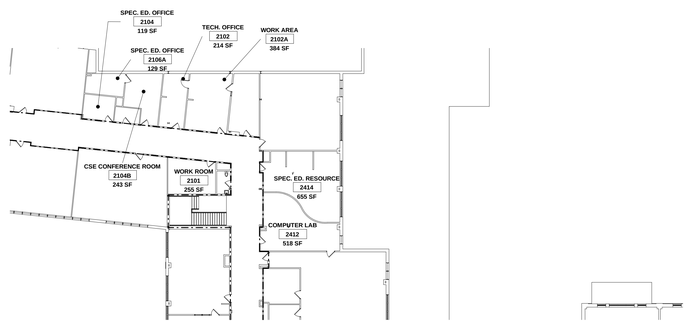
2020 International Mechanical Code - (ASHRAE 62.1-2015)

Room Number	Room Name	Area (SF)	# of People / 1000 SF	Calculated Area / Pers.	Calculated People	Occupancy Classification	Ventilation Efficiency		Toilet Exhaust Air				Shop / Locker Exhaust air				ASHRAE 62.1-2013			Ventilation Provided (CFM)	Unit Serving	NOTES
							Zone Air Distribution Effectiveness	Ez	CFM per Fixture	# of Fixtures	CFM Exhaust	CFM Makeup	Makeup source	CFM per SF	CFM Exh Req'd	CFM Exh Provided	Unit Exhausting	CFM/Person	CFM/SF	CFM Req'd			
1407	OFFICE	244	5	200	1	Office - Office	Ceiling or floor supply of warm air and ceiling return	0.8										5	0.06	26	26	DOAS	
1410	TREATMENT	177	5	200	1	Office - Office	Ceiling or floor supply of warm air and ceiling return	0.8										5	0.06	19	19	DOAS	
1410A	OFFICE	410	5	200	2	Office - Office	Ceiling or floor supply of warm air and ceiling return	0.8										5	0.06	44	44	DOAS	
1410B	EXAM	99	5	200	0	Office - Office	Ceiling or floor supply of warm air and ceiling return	0.8										5	0.06	11	11	DOAS	
1410C	EXAM	89	5	200	0	Office - Office	Ceiling or floor supply of warm air and ceiling return	0.8										5	0.06	9	9	DOAS	
1410D	HC TOILET	65	0			Public Toilet Rooms (Continuous)	none		50	1	50									50	50	DOAS	
2101	WORK ROOM	255	5	200	1	Office - Office	Ceiling or floor supply of warm air and ceiling return	0.8										5	0.06	27	27	DOAS	
2102	TECH OFFICE	214	5	200	1	Office - Office	Ceiling or floor supply of warm air and ceiling return	0.8										5	0.06	23	23	DOAS	
2102A	WORK AREA	384	5	200	2	Office - Office	Ceiling or floor supply of warm air and ceiling return	0.8										5	0.06	41	41	DOAS	
2104	SPEC ED OFFICE	119	5	200	1	Office - Office	Ceiling or floor supply of warm air and ceiling return	0.8										5	0.06	13	13	DOAS	
2106A	SPEC ED OFFICE	129	5	200	1	Office - Office	Ceiling or floor supply of warm air and ceiling return	0.8										5	0.06	14	14	DOAS	
2104B	CSE CONFERENCE RM	243	50	20	12	Office - Conference	Ceiling or floor supply of warm air and ceiling return	0.8										5	0.06	94	94	DOAS	
2412	COMPUTER LAB	518	35	29	18	Education - Classroom 5-8	Ceiling or floor supply of warm air and ceiling return	0.8										10	0.12	304	304	DOAS	
2414	SPEC ED RESOURCE	668	5	200	3	Office - Office	Ceiling or floor supply of warm air and ceiling return	0.8										5	0.06	71	71	DOAS	
1212C	HS TECHNOLOGY	957	20	50	19	Education - Wood/Metal shop	Ceiling or floor supply of warm air and ceiling return	0.8										10	0.18	455	490	RTU-1	
1208	MIDDLE SCHOOL TECHNOLOGY	1641	20	50	33	Education - Wood/Metal shop	Ceiling or floor supply of warm air and ceiling return	0.8										10	0.18	779	780	RTU-1	



1 MCC1 MECHANICAL CODE COMPLIANCE - FIRST FLOOR

SCALE: 3/64" = 1'-0" 3"



2 MCC1 MECHANICAL CODE COMPLIANCE - SECOND FLOOR

SCALE: 3/64" = 1'-0" 3"

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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.5344
marchassoc.com

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Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSEO2013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	DRG
CHECKED BY	EPF
SCALE	3/64" = 1'-0"
PROJECT NO.	2154.1

DRAWING TITLE
MECHANICAL CODE COMPLIANCE

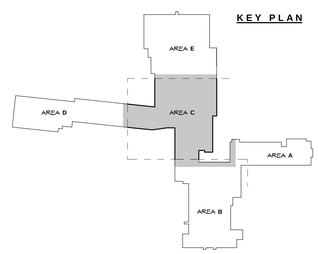
DRAWING NO.
MCC1

MECHANICAL KEYED NOTES	
MR1	REMOVE REGISTER AND CLEAN REMAINING EXISTING DUCT.
MR4	REMOVE EXISTING VRF SYSTEM INCLUDING UNITS, REF CONTROL BOXES, COILS, REGISTERS, DUCT SYSTEMS, REF & HW PIPING, HANGERS, INSULATION, CONTROLS, ETC. COND DRAIN PIPING TO REMAIN & BE REUSED.
MR5	REMOVE EXISTING HRU SYSTEM SERVING VRF INCLUDING REGISTERS, DUCT SYSTEMS, INSULATION, HANGERS & SUPPORTS, CONTROLS, ETC.
MR9	PROVIDE PRE-CONSTRUCTION TESTING AND REPORT OF EXISTING SYSTEM AIRFLOWS. CLEAN ALL REMAINING DUCTWORK AND RE-BALANCE AIRFLOWS TO VOLUMES SHOWN UPON CONSTRUCTION COMPLETION.

1 MD105 PARTIAL FIRST FLOOR REMOVALS PLAN - AREA C HVAC

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

KEY PLAN



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Fax: 315-471-4044
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DATE	NOVEMBER 30, 2023		
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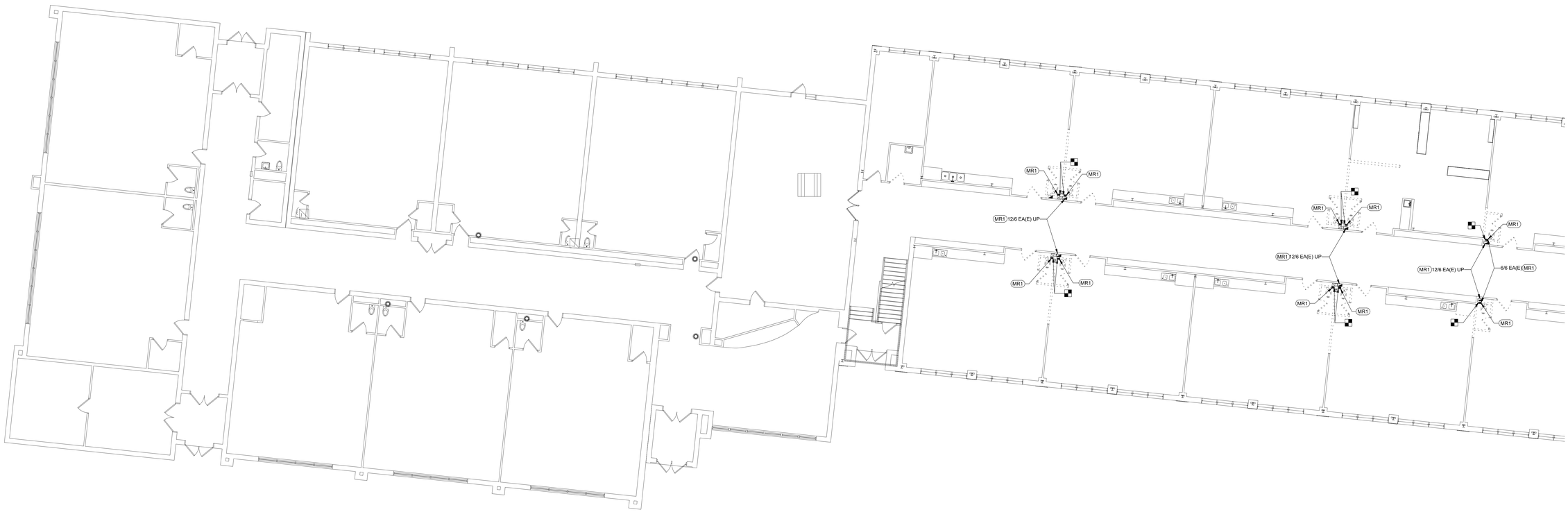
CHECKED BY	EPF		
SCALE	1/8" = 1'-0"		
PROJECT NO.	21M4.1		

DRAWING TITLE
PARTIAL FIRST FLOOR REMOVALS PLAN - AREA C HVAC

DRAWING NO.
MD105

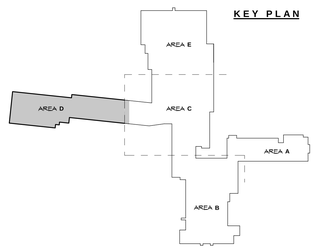
MECHANICAL KEYED NOTES	
MR1	REMOVE REGISTER AND CLEAN REMAINING EXISTING DUCT.



1 / MD106 PARTIAL FIRST FLOOR REMOVALS PLAN - AREA D HVAC

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

KEY PLAN



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Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSE0013

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DATE	NOVEMBER 30, 2023		
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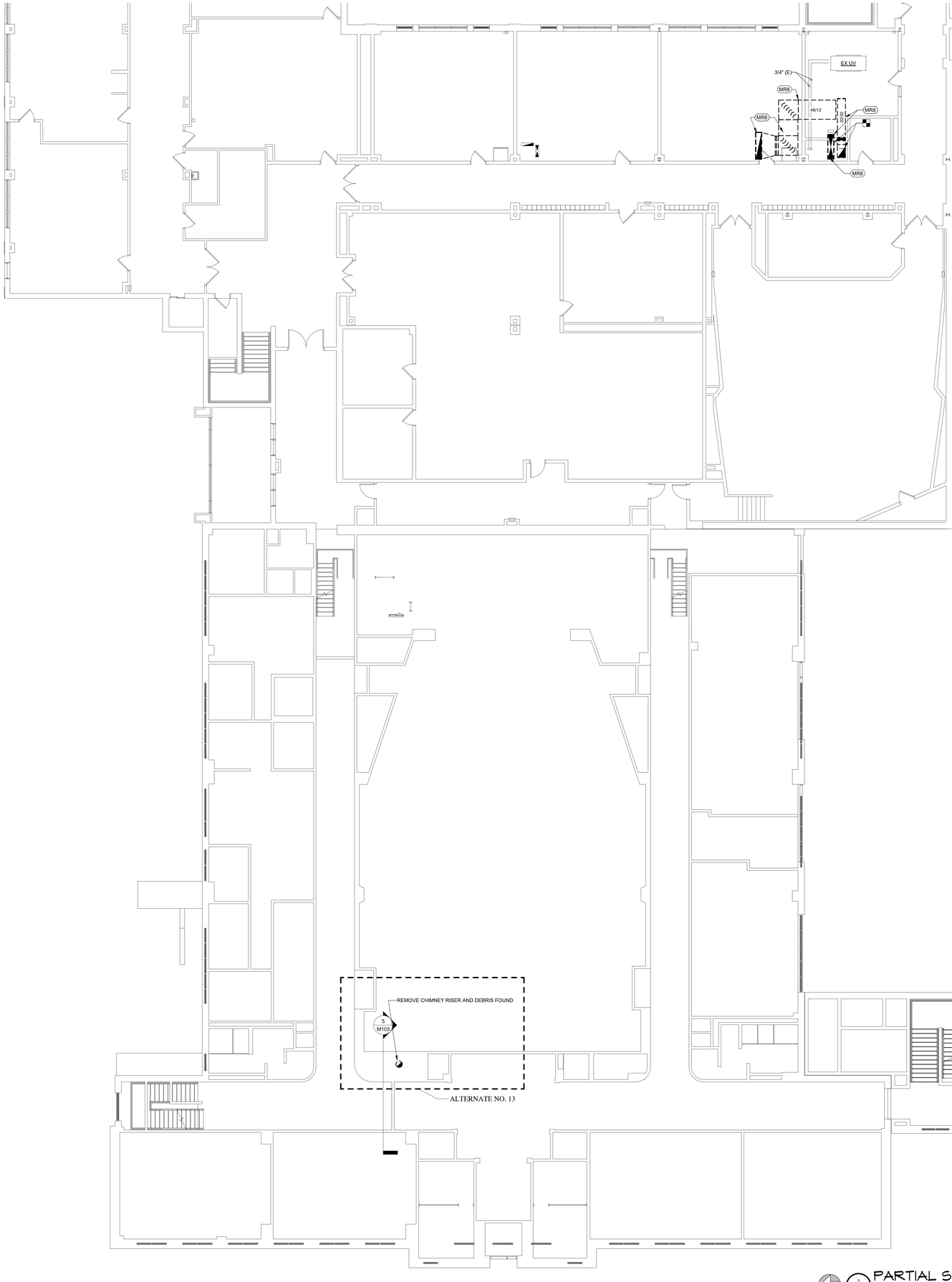
SCALE	1/8" = 1'-0"		
PROJECT NO.	2144.1		

DRAWING TITLE
PARTIAL FIRST FLOOR REMOVALS PLAN - AREA D HVAC

DRAWING NO.
MD106

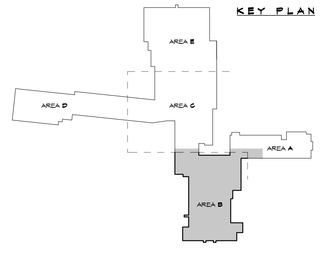


MECHANICAL KEYED NOTES	
MR8	REMOVE EXISTING GAS-FIRED RTU, DUCTS, CONTROLS, CURB, ETC.

PARTIAL SECOND FLOOR REMOVAL PLAN - AREA B HVAC

MD109 SCALE: 1/8" = 1'-0"

KEY PLAN



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CHECKED BY	EPF
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PROJECT NO.	2144.1

DRAWING TITLE
PARTIAL SECOND FLOOR REMOVALS PLAN - AREA B HVAC

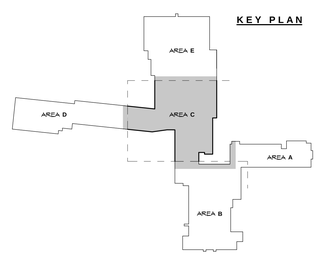
DRAWING NO.
MD109

MECHANICAL KEYED NOTES	
MR2	CLEAN REMAINING EXISTING DUCT.
MR3	PROVIDE PRE-CONSTRUCTION TESTING AND REPORT OF EXISTING FAN AIRFLOW AND PRESSURE CAPABILITIES. RE-BALANCE FAN TO NEW VOLUMES UPON CONSTRUCTION COMPLETION.
MR4	REMOVE EXISTING VRF SYSTEM INCLUDING UNITS, REF CONTROL BOXES, COILS, REGISTERS, DUCT SYSTEMS, REF & HW PIPING, HANGERS, INSULATION, CONTROLS, ETC. COND DRAIN PIPING TO REMAIN & BE REUSED.
MR5	REMOVE EXISTING HRU SYSTEM SERVING VRF INCLUDING REGISTERS, DUCT SYSTEMS, INSULATION, HANGERS & SUPPORTS, CONTROLS, ETC.
MR6	REMOVE EXISTING ROOF FAN, DUCT SYSTEM, CURB, CONTROLS, ETC.

1 MD110 PARTIAL SECOND FLOOR REMOVALS PLAN - AREA C HVAC

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

KEY PLAN



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Syracuse, NY 13210
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Fax: 315-471-4044
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SCALE	1/8" = 1'-0"
PROJECT NO.	2164.1

DRAWING TITLE
PARTIAL SECOND FLOOR REMOVALS PLAN - AREA C HVAC

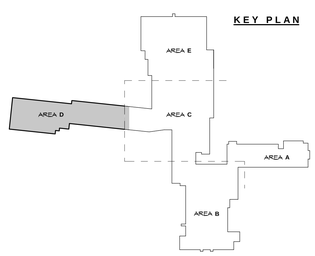
DRAWING NO.
MD110

MECHANICAL KEYED NOTES	
MR2	CLEAN REMAINING EXISTING DUCT.
MR3	PROVIDE PRE-CONSTRUCTION TESTING AND REPORT OF EXISTING FAN AIRFLOW AND PRESSURE CAPABILITIES. RE-BALANCE FAN TO NEW VOLUMES UPON CONSTRUCTION COMPLETION.

1 MD111 PARTIAL SECOND FLOOR REMOVALS PLAN - AREA D HVAC

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

KEY PLAN



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Fax: 315-471-4044
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REVISIONS			

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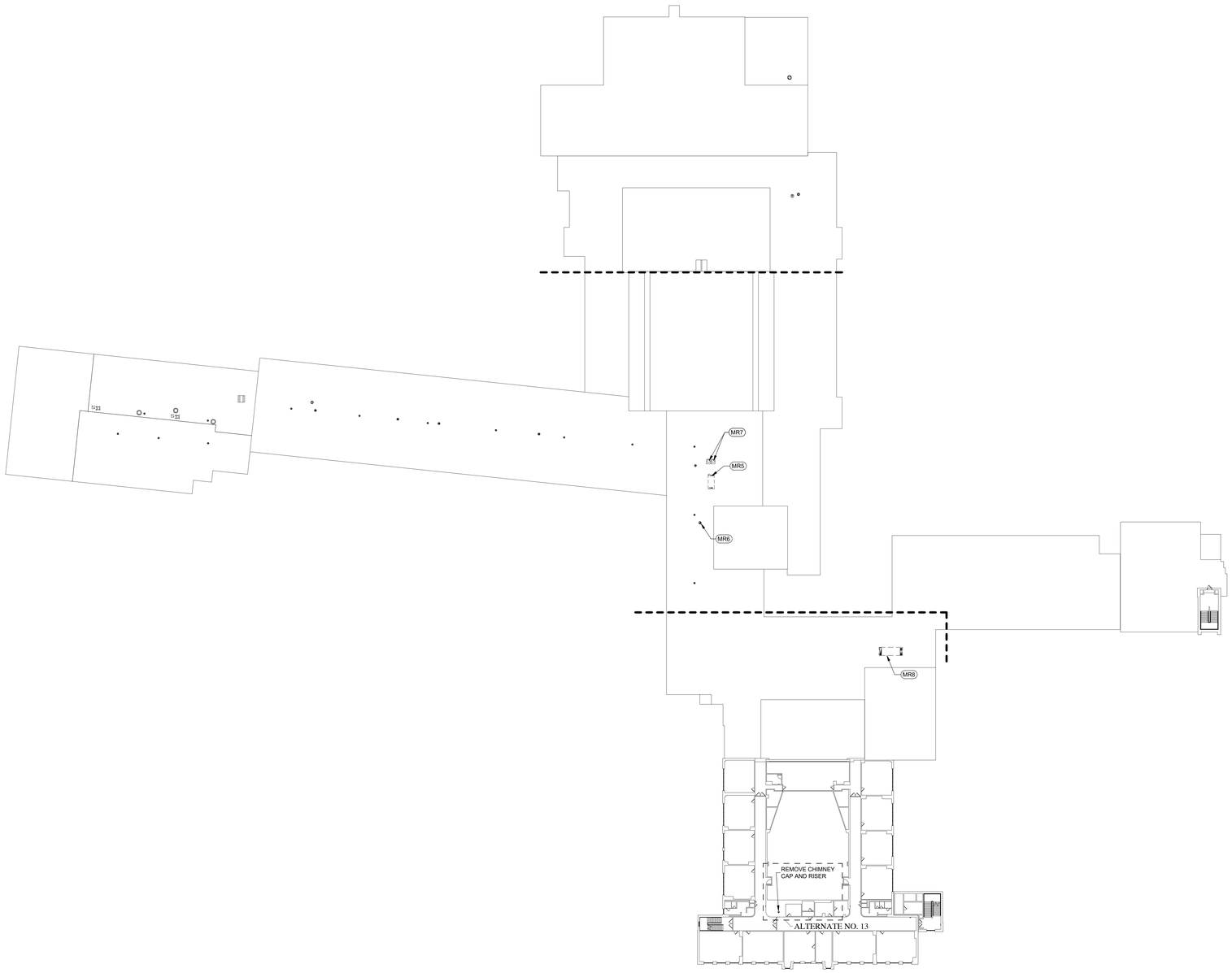
CHECKED BY	EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	21164.1

DRAWING TITLE
PARTIAL SECOND FLOOR REMOVALS PLAN - AREA D HVAC

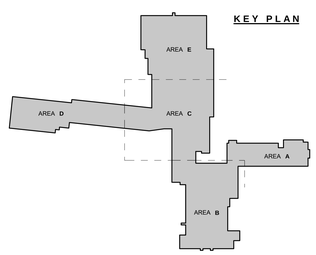
DRAWING NO.
MD111

MECHANICAL KEYED NOTES	
MR5	REMOVE EXISTING HRU SYSTEM SERVING VRF INCLUDING REGISTERS, DUCT SYSTEMS, INSULATION, HANGERS & SUPPORTS, CONTROLS, ETC.
MR6	REMOVE EXISTING ROOF FAN, DUCT SYSTEM, CURB, CONTROLS, ETC.
MR7	REMOVE EXISTING VRF CONDENSING UNITS, SUPPORTS, REF PIPING & INSULATION, CONTROLS, ETC.
MR8	REMOVE EXISTING GAS-FIRED RTU, DUCTS, CONTROLS, CURB, ETC.



1 MD114 REMOVALS PLAN - ROOF
SCALE: 1/32" = 1'-0" 3"

KEY PLAN



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258 Genesee Street, Suite 300
Utica, NY 13502
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FS EXP.: 01/31/2025

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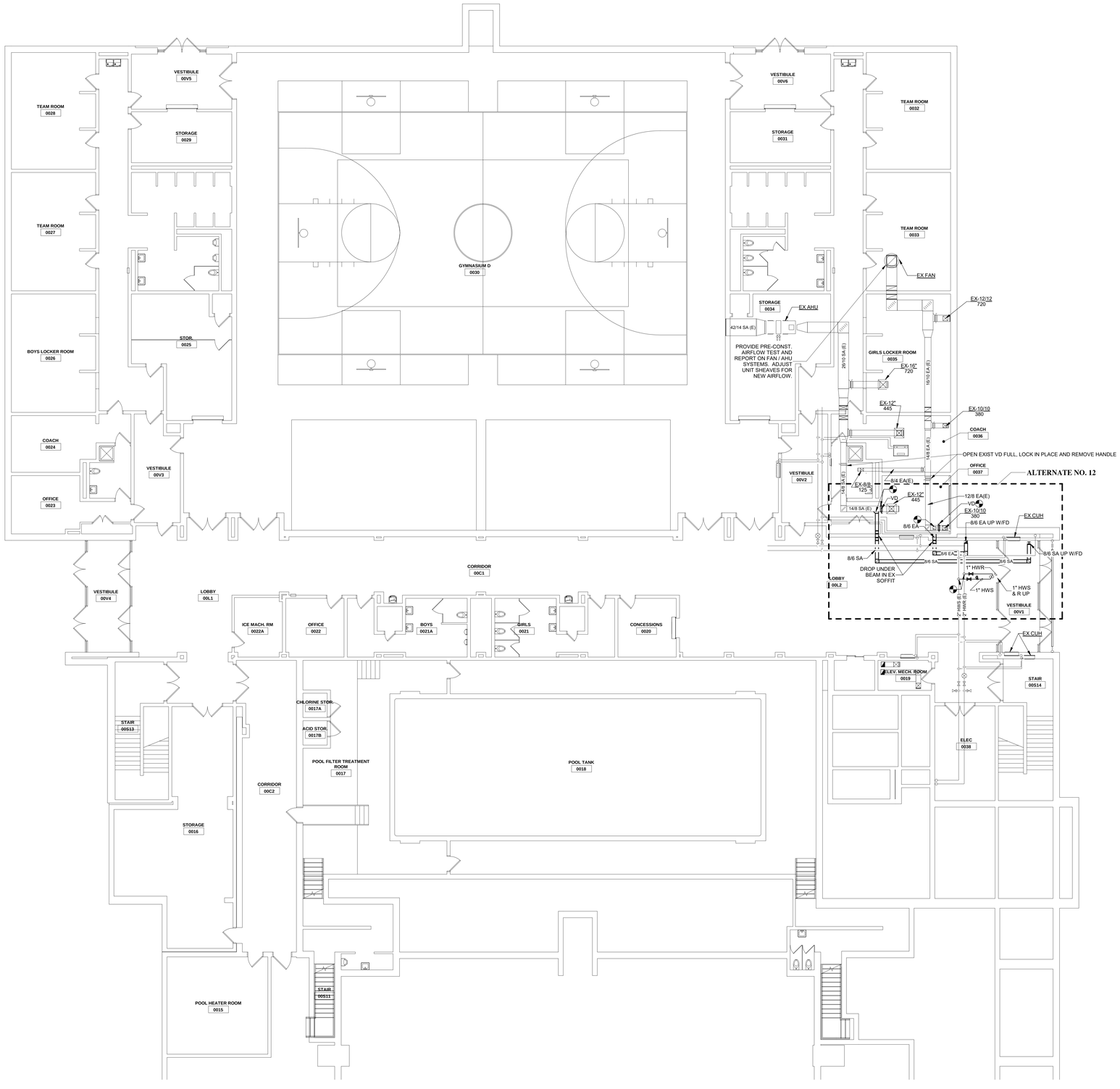
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSE20013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DRG		
CHECKED BY	EPF		
SCALE	1/32" = 1'-0"		
PROJECT NO.	2144.1		

DRAWING TITLE
ROOF
REMOVALS PLAN
HVAC

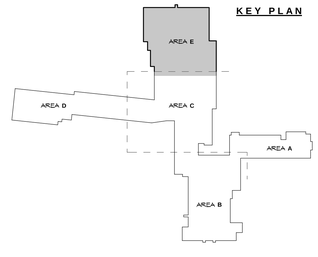
DRAWING NO.
MD114



1 M104 PARTIAL GROUND FLOOR PLAN - AREA E HVAC

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

KEY PLAN



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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
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MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE

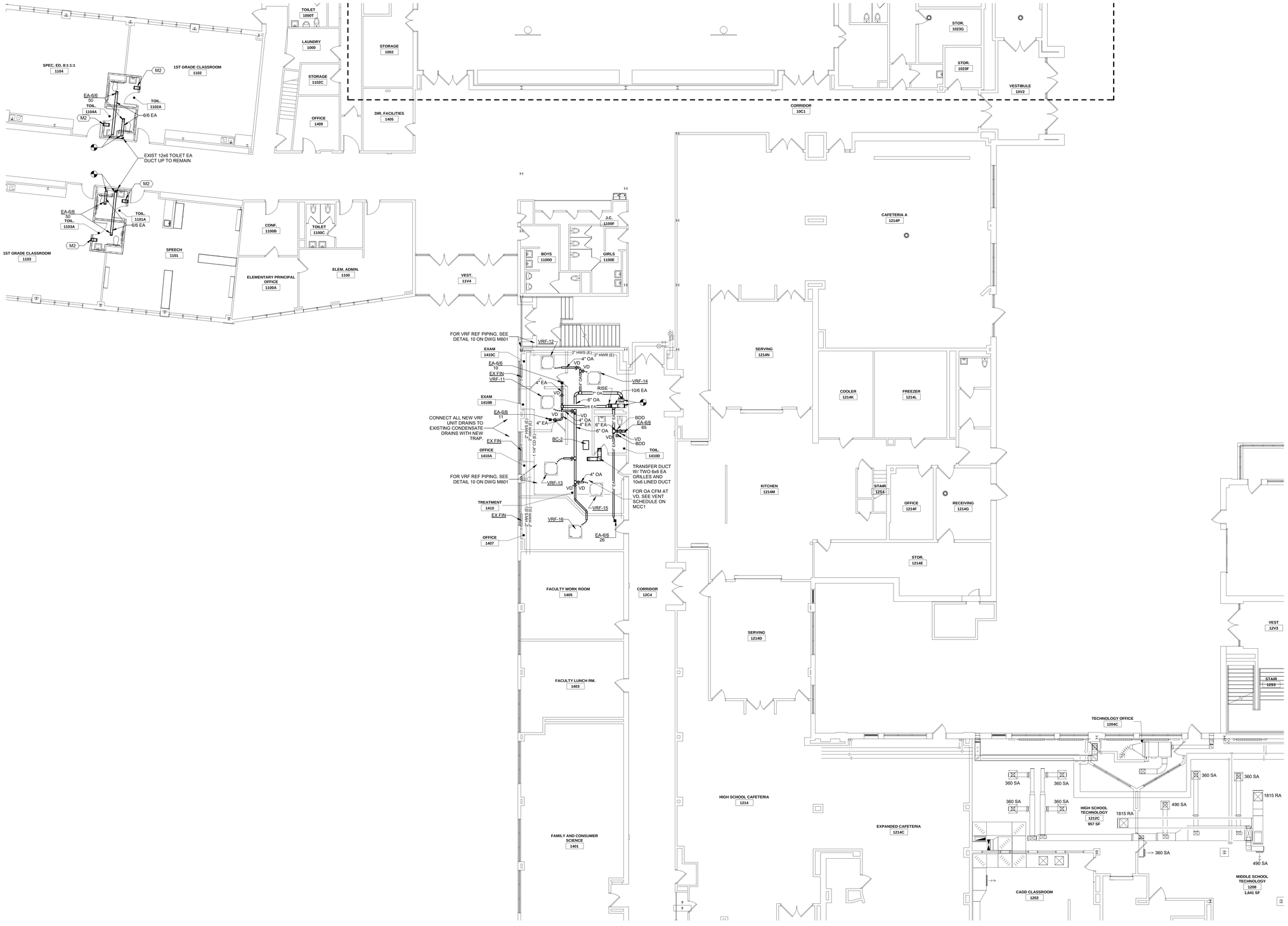
REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	DRS
CHECKED BY	EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2164.1

DRAWING TITLE
PARTIAL GROUND FLOOR PLAN - AREA E HVAC

DRAWING NO.
M104

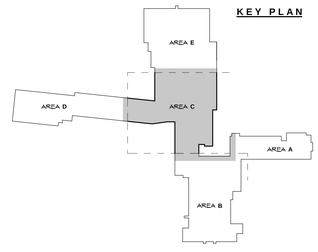
MECHANICAL KEYED NOTES	
M2	PROVIDE TRANSFER ASSEMBLY CONSISTING OF 8x8 AND 8x6 TYPE EA GRILLES IN 8X6 LINED DUCT.



1 M105 PARTIAL FIRST FLOOR PLAN - AREA C HVAC

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

KEY PLAN



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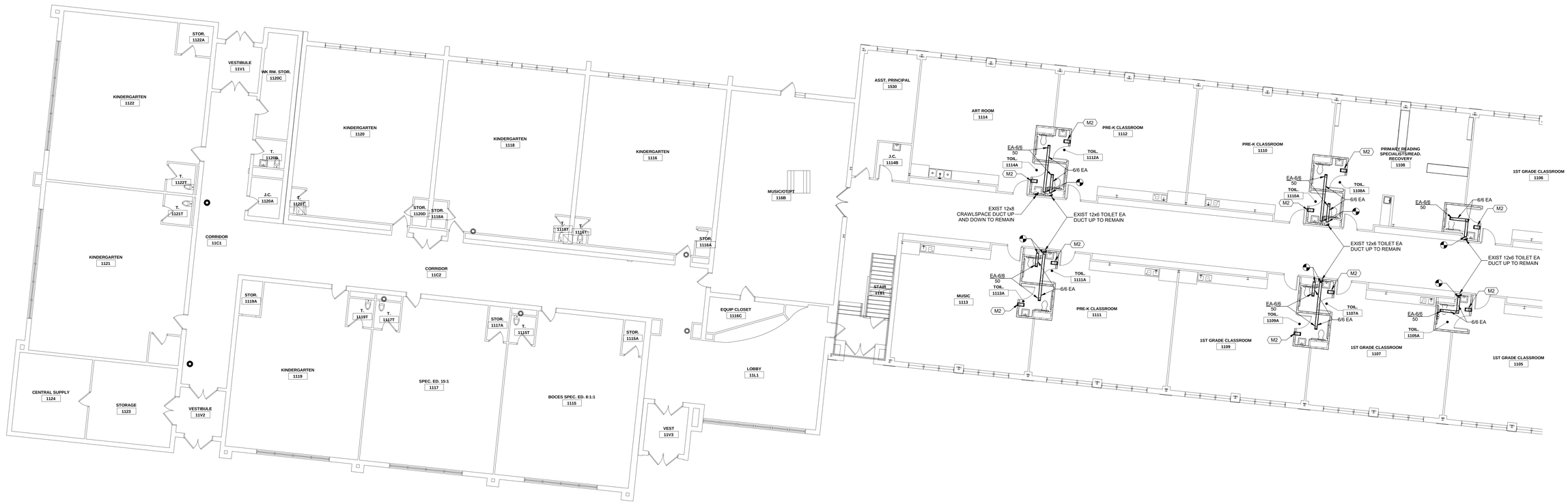
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DRG		
CHECKED BY	EPF		
SCALE	1/8" = 1'-0"		
PROJECT NO.	2154.1		

DRAWING TITLE
PARTIAL FIRST FLOOR PLAN - AREA C HVAC

DRAWING NO.
M105

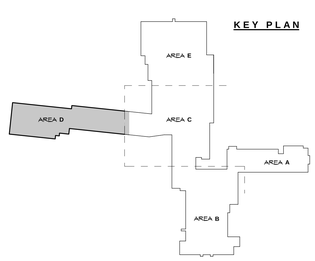
MECHANICAL KEYED NOTES	
M2	PROVIDE TRANSFER ASSEMBLY CONSISTING OF 8x8 AND 8x6 TYPE EA GRILLES IN 8X6 LINED DUCT.



PARTIAL FIRST FLOOR PLAN - AREA D HVAC

1/M106 SCALE: 1/8" = 1'-0" 3"

KEY PLAN



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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
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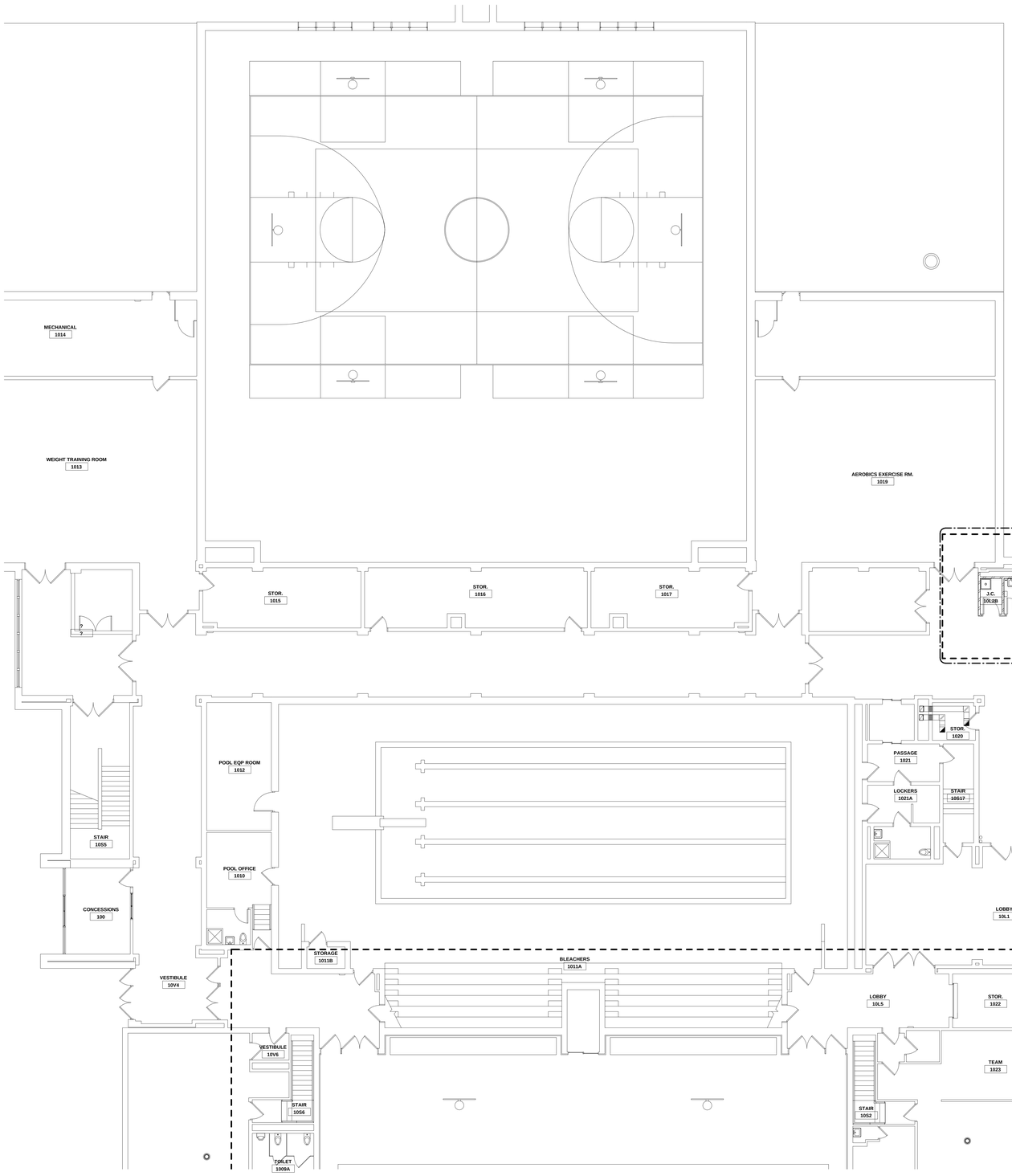
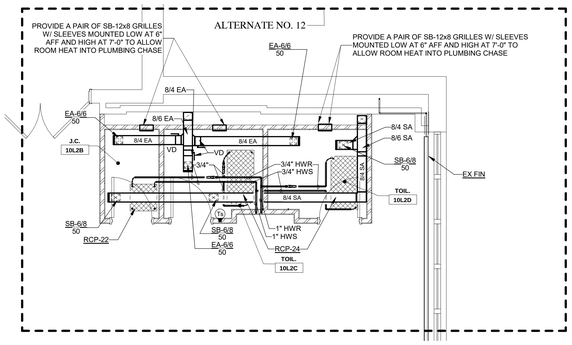
CHECKED BY	EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	21M4.1

DRAWING TITLE
PARTIAL FIRST FLOOR PLAN - AREA D HVAC

DRAWING NO.
M106



1 M107 PARTIAL FIRST FLOOR PLAN - AREA E HVAC
SCALE: 1/8" = 1'-0" 3"



2 M107 PARTIAL LG SCALE PLAN - K4 TOILETS HVAC
SCALE: 1/4" = 1'-0" 3"

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Syracuse, NY 13210
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Fax: 315-471-4044
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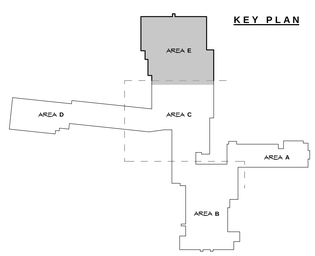
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT

7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

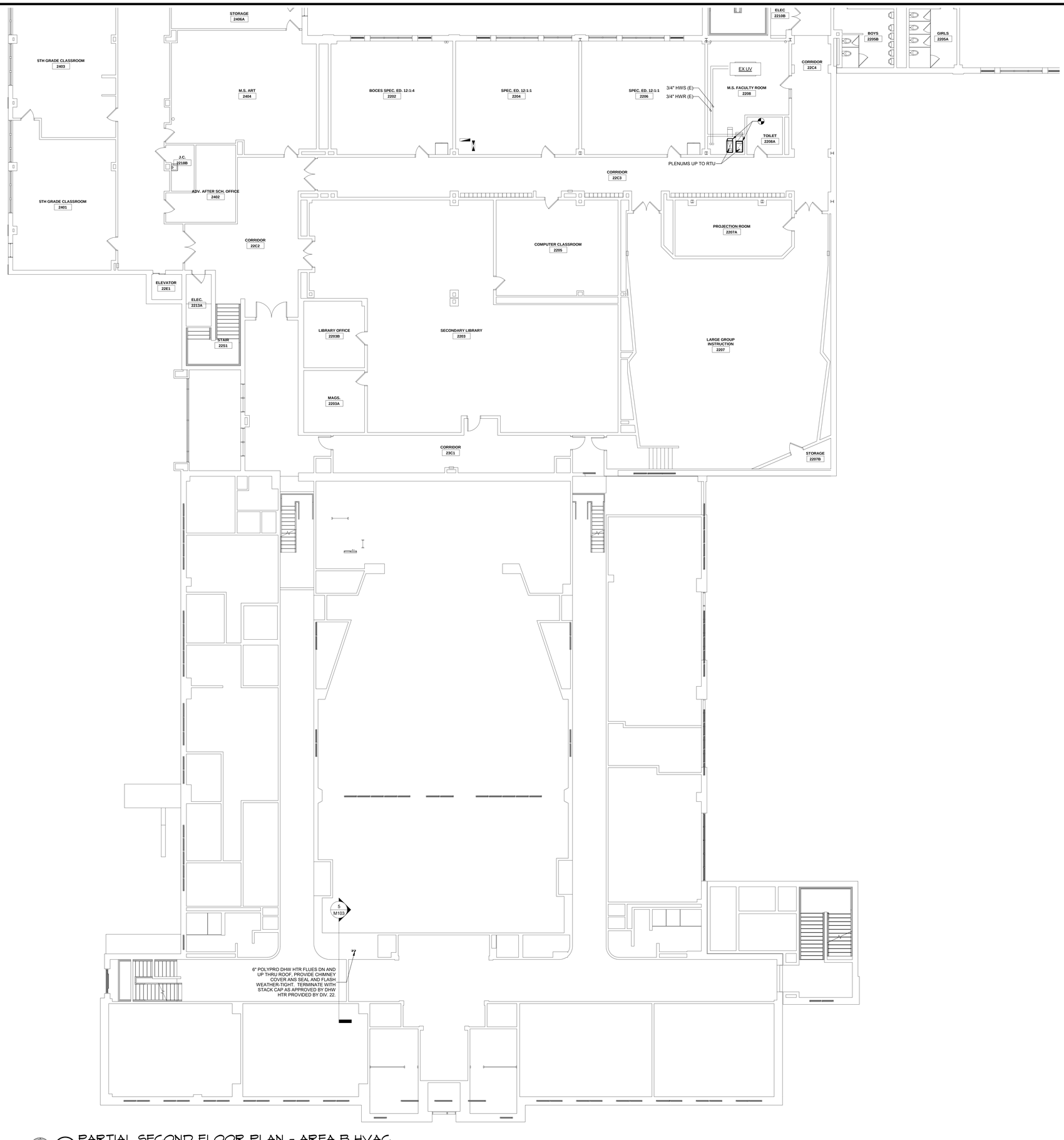
NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DRS		
CHECKED BY	EPF		
SCALE	As indicated		
PROJECT NO.	21941		

DRAWING TITLE
PARTIAL FIRST FLOOR PLAN - AREA E HVAC

KEY PLAN



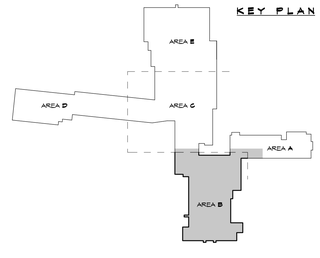
DRAWING NO.
M107



1 M106 PARTIAL SECOND FLOOR PLAN - AREA B HVAC

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

KEY PLAN



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721 E. Genesee Street
Syracuse, NY 13210
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Fax: 315-471-4044
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LOWVILLE ACADEMY & CENTRAL SCHOOL
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CAPITAL PROJECT

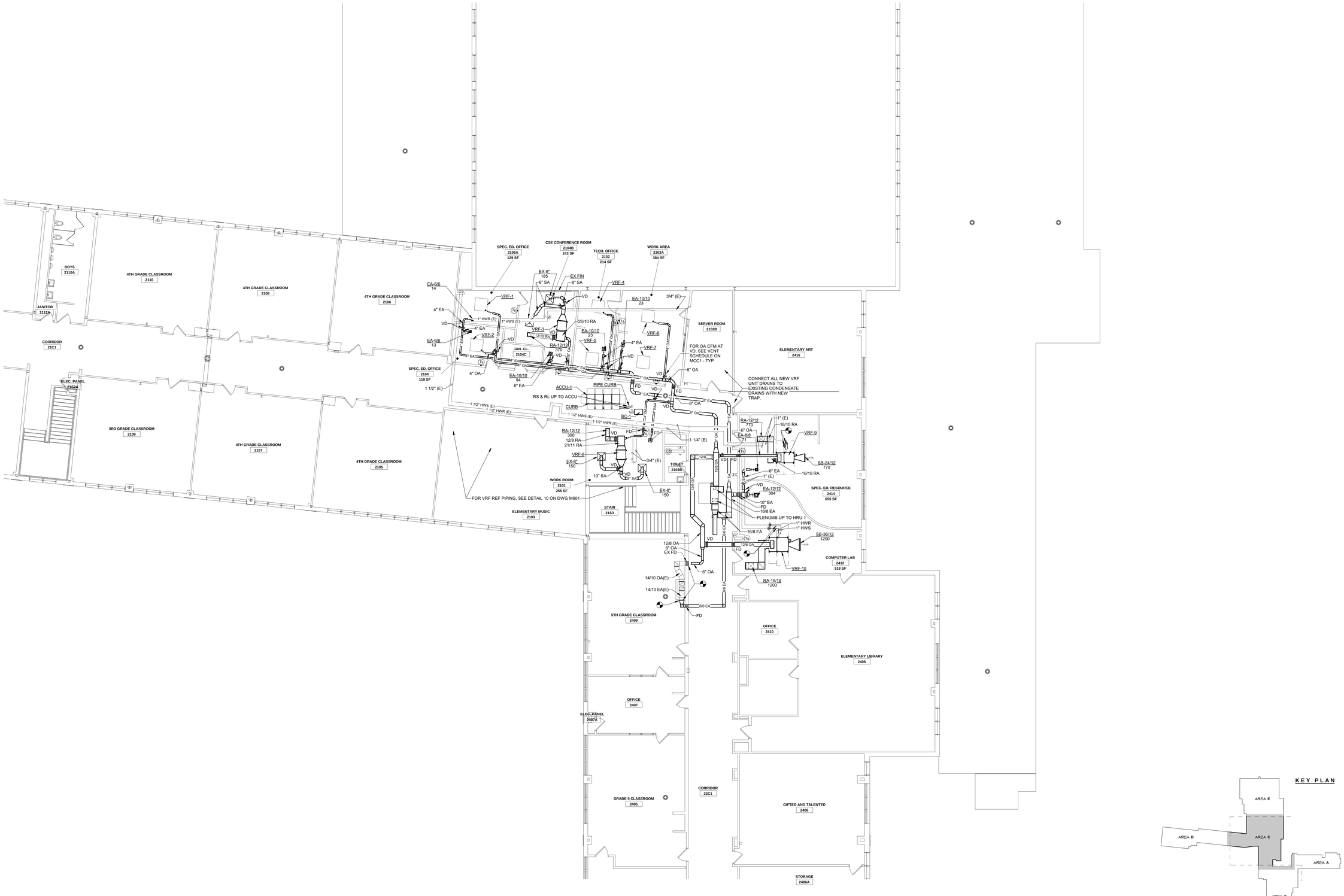
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	DRS
CHECKED BY	EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	21M4.1

DRAWING TITLE
PARTIAL SECOND FLOOR PLAN - AREA B HVAC

DRAWING NO.
M109



1 M110 PARTIAL PLAN - SECOND FLOOR - AREA C HVAC

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

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Fax: 315-471-4044
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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

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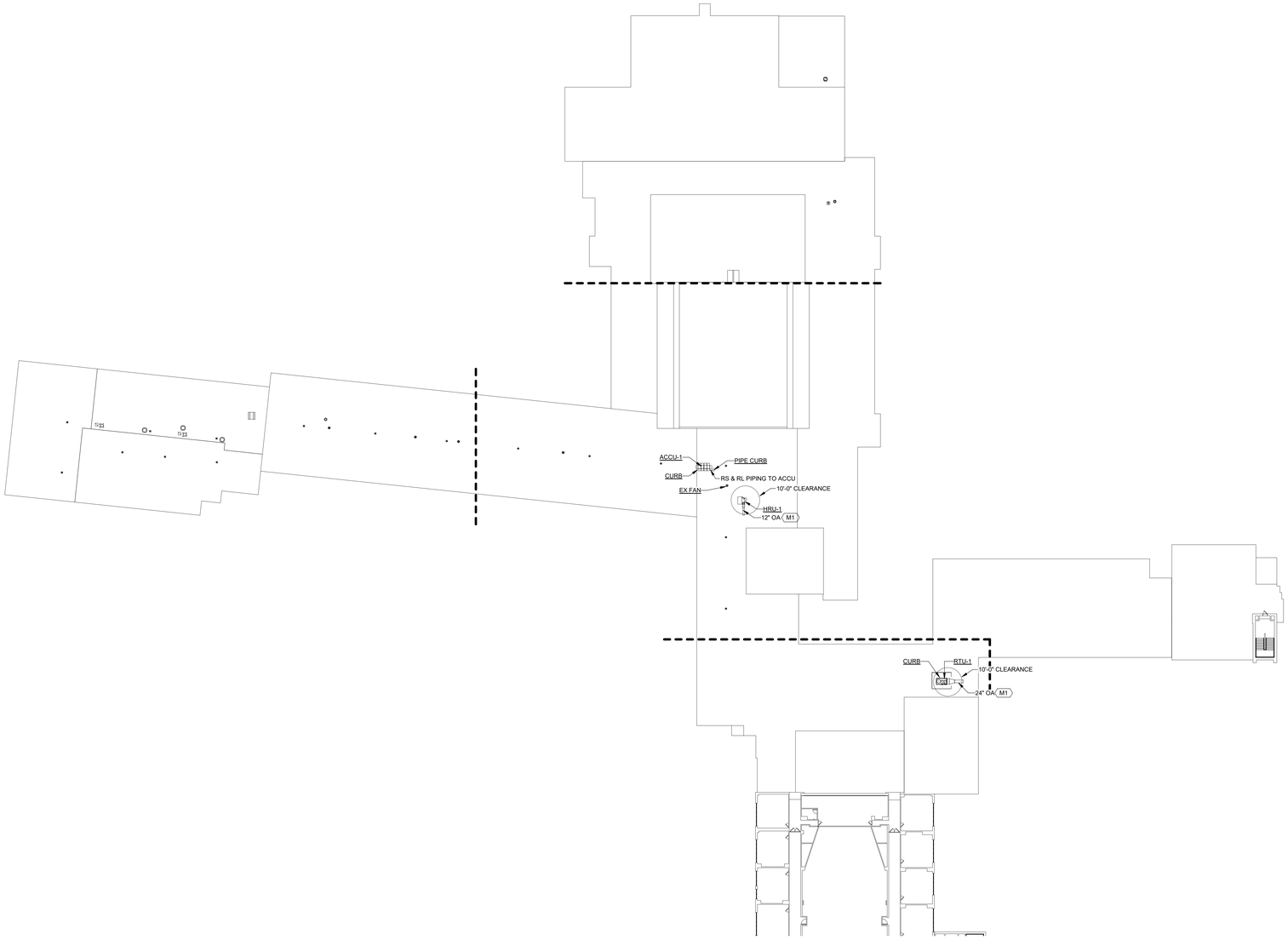
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DRS		
CHECKED BY	EPF		
SCALE	1/8" = 1'-0"		
PROJECT NO.	2154.1		

DRAWING TITLE
PARTIAL SECOND FLOOR PLAN - AREA C HVAC

DRAWING NO.
M110

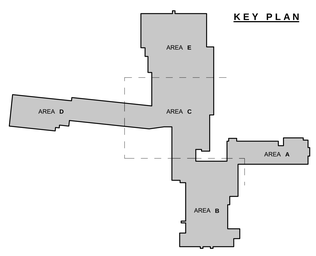
MECHANICAL KEYED NOTES	
M1	ALTER AND EXTEND UNIT INTAKE HOOD. CONNECT OA DUCT OF SIZE NOTED TO INTAKE AND EXTEND 10'-0" AWAY FROM UNIT DISCHARGE. ALL EXHAUST SOURCES, ROOF DRAINS, PLUMBING VENTS, ETC.



1 M114 ROOF PLAN - HVAC

SCALE: 1/32" = 1'-0" 3"

KEY PLAN



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PROJECT NO.	2144.1

DRAWING TITLE
ROOF PLAN - HVAC

DRAWING NO.
M114

M-ROOF TOP UNIT SCHEDULE

UNIT NO.	LOCATION	SERVICE	ELECTRICAL DATA: MCA	MOCP	PH	VOLTS	FAN POWER SUPPLY	NOMINAL TONS	SUPPLY AIR FLOW (CFM)	OUTSIDE AIR FLOW (CFM)	EXT. PD (IN-WC)	GAS OUTPUT (MBH)	COOLING CAPACITY: TOTAL (MBH)	SENSIBLE (MBH)	# OF STAGES	UNIT SEER / IEER	BASIS OF DESIGN	NOTES
RTU-1	ROOF	TECHNOLOGY	60.0a	80.0a	3	200	8.8a	10	3630	1270	0.50	194.4	115.1	93.3	1	15.1	TRANE YHJ	

NOTES:
1 PROVIDE CONDENSER HAIL GUARD AND POWERED UNIT EXHAUST

M-VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER SCHEDULE

UNIT NO.	ELECTRICAL DATA: VOLTAGE	PHASE	POWER COOLING (KW)	POWER HEATING (KW)	MCA	TYPE	NUMBER OF PORTS	CONNECTED CAPACITY	BASIS OF DESIGN	NOTES
BC-1	200	1	0.95	0.6	1.4	HEAT RECOVERY	12	142.0	TRANE TCMB	
BC-2	200	1	0.69	0.35	0.9	HEAT RECOVERY	8	37.0	TRANE TCMB	

NOTES:

M-RADIANT PANEL SCHEDULE

UNIT TYPE	LOCATION	SERVICE	NOMINAL PANEL FACE SIZE: LENGTH (IN)	WIDTH (IN)	TUBE SIZE (IN)	CAPACITY (MBH)	HEATING DATA: FLOW (GPM)	P.D. (FT-HD)	EWT (°F)	LWT (°F)	BASIS OF DESIGN	NOTES
RCP-22	SEE PLANS	HEATING	2' - 0"	2' - 0"	5/8"	945	0.9	1.0	180	160	AEROTECH	
RCP-24	SEE PLANS	HEATING	4' - 0"	4' - 0"	5/8"	1852	1.8	1.0	180	160	AEROTECH	

NOTES:

M-AIR COOLED CONDENSING UNIT SCHEDULE

UNIT NO.	LOCATION	SERVICE	CAPACITY (MBH) CLG / HTG	ELECTRICAL DATA: MCA	MOCP	PH	VOLTS	BASIS OF DESIGN	NOTES
ACCU-1	ROOF	VRF SYSTEM	144 / 160	38.0a	60.0a	3	200	TRANE TURY	NOTES 1-2

NOTES:
1 RATINGS AT 95 DEG. F. AMBIENT SUMMER AND 47 DEG. F. WINTER TEMPERATURES. UNIT IS A TWINNED PAIR, ELECTRICAL DATA SHOWN IS FOR EACH HALF AND REQUIRES A SEPARATE CIRCUIT
2 PROVIDE INLET AND OUTLET SNOW HOODS

M-VRF INDOOR UNIT SCHEDULE

UNIT NO.	LOCATION	SERVICE	NOM. UNIT TONS	MOTOR DATA: MCA / MOCP	PH	VOLTS	POWERED VIA OUTDOOR UNIT	AIR FLOW (CFM)	MIN HEATING (MBH) TOTAL	MIN COOLING (MBH) TOTAL	MIN COOLING (MBH) SENS.	BASIS OF DESIGN	NOTES
VRF-1	SPEC ED OFFICE	H&C	0.5	0.24a / 15.0a	1	200	Yes	280	4.8	4.7	4.3	TRANE TPLFY	1-3
VRF-2	SPEC ED OFFICE	H&C	0.5	0.24a / 15.0a	1	200	Yes	280	4.8	4.7	4.3	TRANE TPLFY	1-3
VRF-3	CSE CONFERENCE	H&C	1.0	2.13a / 15.0a	1	200	Yes	371	11.5	11.2	8.0	TRANE TPEFY	1-4
VRF-4	TECH OFFICE	H&C	0.5	0.24a / 15.0a	1	200	Yes	280	4.8	4.7	4.3	TRANE TPLFY	1-3
VRF-5	TECH OFFICE	H&C	0.8	0.28a / 15.0a	1	200	Yes	315	7.7	7.5	6.0	TRANE TPLFY	1-3
VRF-6	WORK AREA	H&C	0.5	0.24a / 15.0a	1	200	Yes	280	4.8	4.7	4.3	TRANE TPLFY	1-3
VRF-7	WORK AREA	H&C	0.5	0.24a / 15.0a	1	200	Yes	280	4.8	4.7	4.3	TRANE TPLFY	1-3
VRF-8	WORK ROOM	H&C	0.5	1.75 a / 15.0a	1	200	Yes	300	5.7	5.6	5.6	TRANE TPEFY	1-4
VRF-9	SPEC ED RESOURCE	H&C	2.0	9.7a / 15.0a	1	200	Yes	800	26.1	20.7	15.7	TRANE BC24	
VRF-10	COMPUTER LAB	H&C	3.0	9.7a / 15.0a	1	200	Yes	1200	55.6	36.8	26.4	TRANE BC36	
VRF-11	EXAM	H&C	0.5	0.24a / 15.0a	1	200	Yes	280	4.7	4.7	4.3	TRANE TPLFY	1-3
VRF-12	EXAM	H&C	0.5	0.24a / 15.0a	1	200	Yes	280	4.7	4.7	4.3	TRANE TPLFY	1-3
VRF-13	OFFICE	H&C	0.5	0.24a / 15.0a	1	200	Yes	280	4.7	4.7	4.3	TRANE TPLFY	1-3
VRF-14	OFFICE	H&C	0.5	0.24a / 15.0a	1	200	Yes	280	4.7	4.7	4.3	TRANE TPLFY	1-3
VRF-15	TREATMENT	H&C	0.5	0.24a / 15.0a	1	200	Yes	280	4.7	4.7	4.3	TRANE TPLFY	1-3
VRF-16	OFFICE	H&C	1.0	0.29a / 15.0a	1	200	Yes	335	11.5	11.2	7.8	TRANE TPLFY	1-3

NOTES:
1 NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR 95°F.
2 NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F.
3 SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES.
4 PROVIDE FILTER BOX ON CEILING CONCEALED UNIT

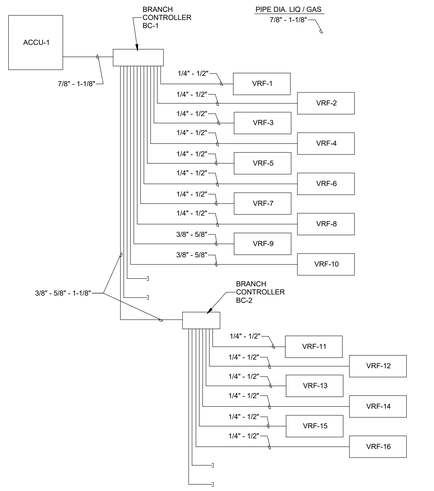
M-HEAT RECOVERY UNIT SCHEDULE

UNIT NO.	LOCATION	SERVICE	ELECTRICAL DATA: VOLTAGE	PHASE	MCA	MOCP	WEIGHT (LBS)	BASIS OF DESIGN	NOTES
HRU -1	ROOF	BRF SYSTEMS	208	1	10.8a	15.0a	350	RENEWAIRE HE-1	

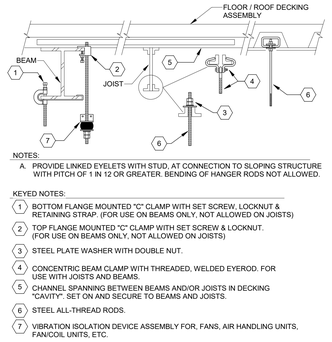
UNIT NO.	AIR FLOW: SUPPLY: AIR FLOW (CFM)	POWER (WATTS)	EXT. P.D. (IN-WC)	TOTAL P.D. (IN-WC)	OUTSIDE AIR (%)	EXHAUST FAN: AIR FLOW (CFM)	POWER (WATTS)	EXT. P.D. (IN-WC)	TOTAL P.D. (IN-WC)
HRU-1	700	299	0.5	NA	100	700	264	0.5	NA

UNIT NO.	TOTAL ENERGY WHEEL: SUMMER EA WHEEL EFFECTIVENESS	WINTER EA WHEEL EFFECTIVENESS	SUPPLY AIR: SUMMER E.A.T. DB / WB (°F)	SUMMER L.A.T. DB / WB (°F)	WINTER E.A.T. DB / WB (°F)	WINTER L.A.T. DB / WB (°F)	EXHAUST AIR: SUMMER E.A.T. DB / WB (°F) / (%)	WINTER E.A.T. DB / WB (°F) / (%)
HRU-1	71.1	71.1	83.7 / 67.6	77.7 / 64.8	-18.2 / -18.6	44.4 / 36.3	75.0 / 62.3	70.0 / 51.0

NOTES:



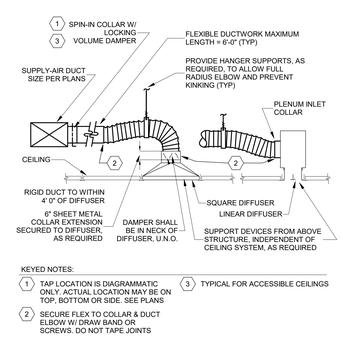
10 M601 VRF SYSTEM PIPING SCHEMATIC
SCALE: NOT TO SCALE



NOTES:
A. PROVIDE LINKED EYELETS WITH STUD, AT CONNECTION TO SLOPING STRUCTURE WITH PITCH OF 1 IN 12 OR GREATER. BENDING OF HANGER RODS NOT ALLOWED.

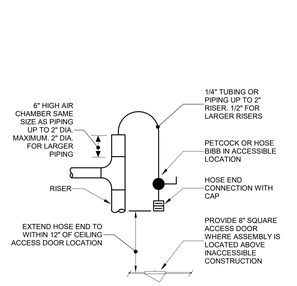
KEYED NOTES:
1 BOTTOM FLANGE MOUNTED "C" CLAMP WITH SET SCREW, LOCKNUT & RETAINING STRAP. (FOR USE ON BEAMS ONLY, NOT ALLOWED ON JOISTS)
2 TOP FLANGE MOUNTED "C" CLAMP WITH SET SCREW & LOCKNUT. (FOR USE ON BEAMS ONLY, NOT ALLOWED ON JOISTS)
3 STEEL PLATE WASHER WITH DOUBLE NUT.
4 CONCENTRIC BEAM CLAMP WITH THREADED, WELDED EYEROD. FOR USE WITH JOISTS AND BEAMS.
5 CHANNEL SPANNING BETWEEN BEAMS AND/OR JOISTS IN DECKING "CAVITY". SET ON AND SECURE TO BEAMS AND JOISTS.
6 STEEL ALL-THREAD RODS.
7 VIBRATION ISOLATION DEVICE ASSEMBLY FOR, FANS, AIR HANDLING UNITS, FAN/COIL UNITS, ETC.

6 M601 HANGER SUPPORT FASTENING
SCALE: NOT TO SCALE



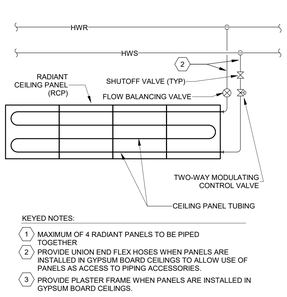
KEYED NOTES:
1 TAP LOCATION IS DIAGRAMMATIC ONLY. ACTUAL LOCATION MAY BE ON TOP, BOTTOM OR SIDE. SEE PLANS
2 SECURE FLEX TO COLLAR & DUCT ELBOW W/ DRAW BAND OR SCREWS. DO NOT TAPE JOINTS
3 TYPICAL FOR ACCESSIBLE CEILINGS

7 M601 FLEXIBLE DUCT TO DIFFUSER
SCALE: NOT TO SCALE



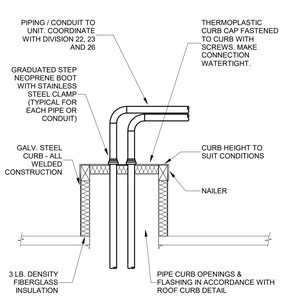
NOTE:
A. PROVIDE AIR VENT AT ALL HIGH POINTS OF PIPING AND WHERE NOTED ON DRAWINGS AS MV.

8 M601 MANUAL AIR VENT
SCALE: NOT TO SCALE

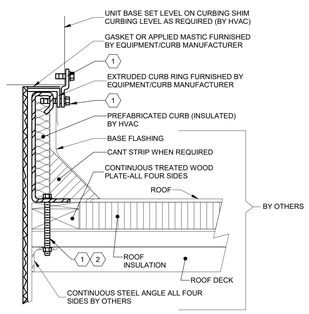


KEYED NOTES:
1 MAXIMUM OF 4 RADIANT PANELS TO BE PIPED TOGETHER
2 PROVIDE UNION END FLEX HOSES WHEN PANELS ARE INSTALLED IN GYPSUM BOARD CEILINGS TO ALLOW USE OF PANELS AS ACCESS TO PIPING ACCESSORIES.
3 PROVIDE PLASTER FRAME WHEN PANELS ARE INSTALLED IN GYPSUM BOARD CEILINGS.

1 M601 RADIANT CEILING PANEL PIPING
SCALE: NOT TO SCALE

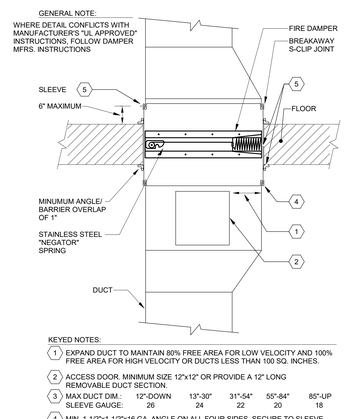


2 M601 ROOF CURB AT CURB / PIPES
SCALE: NOT TO SCALE



KEYED NOTES:
1 ANCHORING OF CURB TO STRUCTURE AND UNIT TO CURB IS A DELEGATED WIND DESIGN AND SHALL FOLLOW SUBMITTED DETAILS PREPARED BY PROFESSIONALLY-LICENSED ENGINEER OF RECORD.
2 PHOTOGRAPH COMPLETED CURB ANCHORING INSTALLATION PRIOR TO ROOFING INSTALLATION AND SUBMIT PHOTOGRAPHS AS VERIFICATION OF PROPERLY COMPLETED WORK.

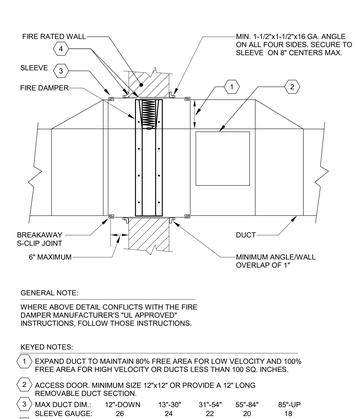
3 M601 ROOF CURB DETAIL
SCALE: NOT TO SCALE



KEYED NOTES:
1 EXPAND DUCT TO MAINTAIN 80% FREE AREA FOR LOW VELOCITY AND 100% FREE AREA FOR HIGH VELOCITY OR DUCTS LESS THAN 100 SQ. INCHES.
2 ACCESS DOOR. MINIMUM SIZE 12"x12" OR PROVIDE A 12" LONG REMOVABLE DUCT SECTION.
3 MAX DUCT DIM.: 12"-DOWN 13"-30" 31"-54" 55"-84" 85"-UP
SLEEVE GAUGE: 26 24 22 20 18
4 MIN. 1-1/2"x1-1/2"x16 GA. ANGLE ON ALL FOUR SIDES. SECURE TO SLEEVE ON 8" CENTERS MAX.
5 PROVIDE CLEARANCES BETWEEN FLOOR CONSTRUCTION & DAMPER SLEEVE AS FOLLOWS:

a) CLEARANCE AT EACH SHORT SIDE=1/8" PER FOOT OF LONG DIMENSION=CLEARANCE 12"X2 SIDES IN INCHES.
b) CLEARANCE AT EACH LONG SIDE=1/8" PER FOOT OF SHORT DIMENSION=CLEARANCE 12"X2 SIDES IN INCHES.
c) EXAMPLE:60"LX24"S=5/16" CLEAR AT EACH END OF LONG DIMENSION.
=1/8" CLEAR AT EACH END OF SHORT DIMENSION.

4 M601 FIRE DAMPER - HORIZONTAL (THRU FLOOR)
SCALE: NOT TO SCALE



GENERAL NOTE:
WHERE ABOVE DETAIL CONFLICTS WITH THE FIRE DAMPER MANUFACTURER'S "UL APPROVED" INSTRUCTIONS, FOLLOW THOSE INSTRUCTIONS.

KEYED NOTES:
1 EXPAND DUCT TO MAINTAIN 80% FREE AREA FOR LOW VELOCITY AND 100% FREE AREA FOR HIGH VELOCITY OR DUCTS LESS THAN 100 SQ. INCHES.
2 ACCESS DOOR. MINIMUM SIZE 12"x12" OR PROVIDE A 12" LONG REMOVABLE DUCT SECTION.
3 MAX DUCT DIM.: 12"-DOWN 13"-30" 31"-54" 55"-84" 85"-UP
SLEEVE GAUGE: 26 24 22 20 18
4 PROVIDE EXPANSION SPACE BETWEEN WALL CONSTRUCTION & DAMPER SLEEVE AS FOLLOWS:
a) CLEARANCE AT TOP = 1/8" PER FOOT OF DUCT HEIGHT (FRACTIONAL DUCT DIMENSION SHALL BE TAKEN AS THE NEXT LARGEST FOOT)
b) CLEARANCE ON SIDE = 1/8" PER FOOT OF DUCT WIDTH (FRACTIONAL DUCT DIMENSION SHALL BE TAKEN AS THE NEXT LARGEST FOOT)
c) NO CLEARANCE REQUIRED AT BOTTOM.
d) EXAMPLE:30"WX24"H DUCT=1/4" CLEAR AT TOP.
= 3/8" TOTAL CLEAR ON SIDE(S)
OPENING REQUIRED=30-3/8"WX24-1/4"H.

5 M601 FIRE DAMPER - VERTICAL (THRU WALL)
SCALE: NOT TO SCALE

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.5344
marchassoc.com

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STATE OF NEW YORK · ELIZABETH P. FISHER · 096005 · LICENSED PROFESSIONAL ENGINEER

VALID THRU: 01/31/2024
FS CERT. NO.: 0019642
FS EXP.: 01/31/2025

FS ENGINEERING, DPC
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-6013
Fax: 315-471-4044
FSNG2013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE

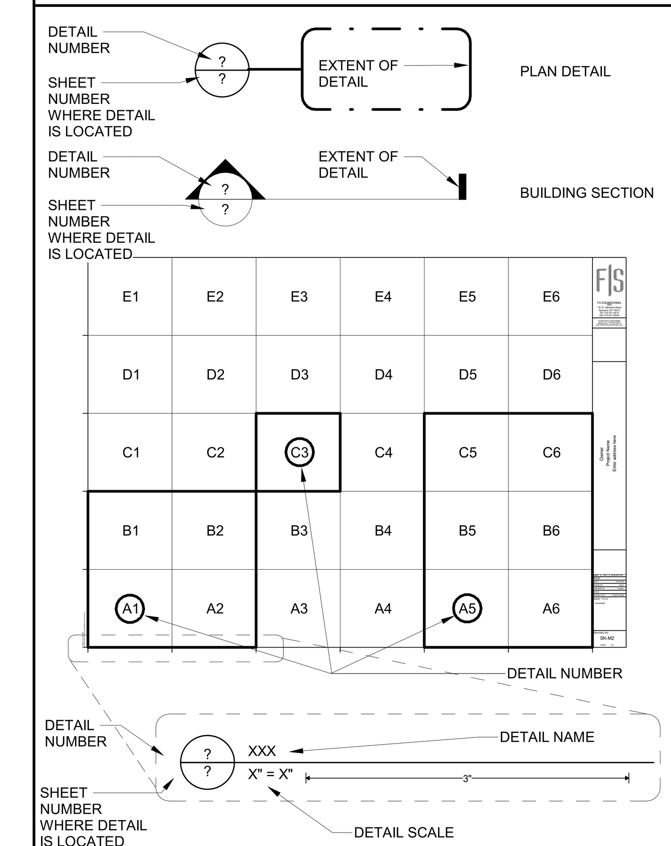
REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	DRG
CHECKED BY	EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2144.1

DRAWING TITLE
EQUIPMENT SCHEDULES & HVAC DETAILS

DRAWING NO.
M601

PLAN SETUP



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IF LINE MEASURES 2" (67% COPY):
USE 3/16th SCALE ON 1/8"=1'-0" DWG
USE 3/8th SCALE ON 1/4"=1'-0" DWG

IF LINE MEASURES 1.5" (50% COPY):
USE 1/16th SCALE ON 1/8"=1'-0" DWG
USE 1/8th SCALE ON 1/4"=1'-0" DWG

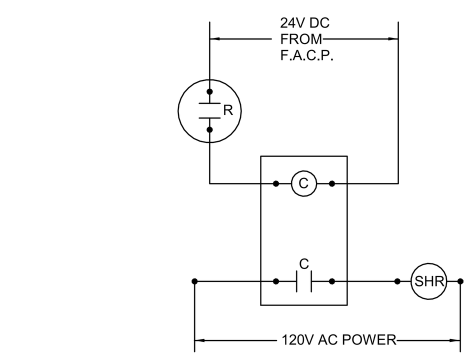
ELECTRICAL DRAWING INDEX

NUMBER	NAME	REVISIONS #	REVISIONS DATE
E001	DRAWING INDEX, SYMBOLS & ABBREVS.		
E002	SITE PLAN		
E003	SITE PLAN		
E004	SITE PLAN - ALTERNATE 2		
E005	SITE DETAILS		
ED101	PARTIAL REMOVALS PLAN - GROUND FLOOR, AREA B		
ED102	PARTIAL REMOVALS PLAN - GROUND FLOOR, AREA E		
ED103	PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA A		
ED104	PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA B		
ED105	PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA C		
ED106	PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA D		
ED107	PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA E		
ED108	PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA A		
ED109	PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA B		
ED110	PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA C		
ED111	PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA D		
ED113	PARTIAL REMOVALS PLAN - THIRD FLOOR, AREA B		
ED114	REMOVALS PLAN - ROOF		
E101	PARTIAL PLAN - GROUND FLOOR, AREA B		
E102	PARTIAL PLAN - GROUND FLOOR, AREA E		
E103	PARTIAL PLAN - FIRST FLOOR, AREA A		
E104	PARTIAL PLAN - FIRST FLOOR, AREA B		
E105	PARTIAL PLAN - FIRST FLOOR, AREA C		
E106	PARTIAL PLAN - FIRST FLOOR, AREA D		
E107	PARTIAL PLAN - FIRST FLOOR, AREA E		
E108	PARTIAL PLAN - SECOND FLOOR, AREA A		
E109	PARTIAL PLAN - SECOND FLOOR, AREA B		
E110	PARTIAL PLAN - SECOND FLOOR, AREA C		
E111	PARTIAL PLAN - SECOND FLOOR, AREA D		
E113	PARTIAL PLAN - THIRD FLOOR , AREA B		
E114	ROOF PLAN		
E901	DIAGRAMS AND DETAILS		

TO THE BEST OF THE ENGINEER'S PROFESSIONAL JUDGEMENT, THE DESIGN OF THIS PROJECT CONFORMS TO ALL APPLICABLE PORTIONS OF THE FOLLOWING:

- ☒ THE 2020 NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE
- ☒ THE 2020 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, 2016 ASHRAE 90.1, AND 2007 ASHRAE 183; FOLLOWING THE COMPLIANCE PATH MARKED BELOW:
  - ⊗ ANSI / ASHRAE / IESNA 90.1, AS AMENDED BY 19 NYCRR PART 1240.
  - ⊗ ECCCNYS CHAPTER 4 [CE] PRESCRIPTIVE PROVISIONS (SECTIONS C402, C403, C404, C405, C408 AND ONE OF THE SIX OPTIONS IN SECTION C406 AS NOTED BELOW:
    - ☐ MORE EFFICIENT HVAC PERFORMANCE IN ACCORDANCE WITH SECTION C406.2.
    - ☒ REDUCED LIGHTING POWER DENSITY SYSTEM IN ACCORDANCE WITH SECTION C406.3.
    - ☐ ENHANCED LIGHTING CONTROL IN ACCORDANCE WITH SECTION C406.4.
    - ☐ ON-SITE SUPPLY OF RENEWABLE ENERGY IN ACCORDANCE WITH SECTION C406.5.
    - ☐ PROVISION OF A DEDICATED OUTDOOR AIR SYSTEM FOR CERTAIN HVAC EQUIPMENT IN ACCORDANCE WITH SECTION C406.6.
    - ☐ HIGH-EFFICIENCY SERVICE WATER HEATING IN ACCORDANCE WITH SECTION C406.7.
    - ☐ ENHANCED ENVELOPE PERFORMANCE IN ACCORDANCE WITH SECTION C406.8.
    - ☐ REDUCED AIR INFILATRATION IN ACCORDANCE WITH SECTION C406.9.
  - ○ TOTAL BUILDING PERFORMANCE PROVISIONS (SECTION C407)
- ☒ THE NEW YORK STATE EDUCATION DEPARTMENT ("SED") MANUAL OF PLANNING STANDARDS
- ☐ THE 2014 FGI GUIDELINES FOR DESIGN AND CONSTRUCTION OF HOSPITALS AND OUTPATIENT FACILITIES
- ☐ THE 2018 FGI GUIDELINES FOR DESIGN AND CONSTRUCTION OF:
  - ☐ HOSPITALS
  - ☐ OUTPATIENT FACILITIES
  - ☐ RESIDENTIAL HEALTH, CARE, AND SUPPORT FACILITIES

ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED



RELAY CONTACT IN RELAY BASE OF SMOKE AND/OR HEAT SENSOR. ACTIVATED BY SMOKE.

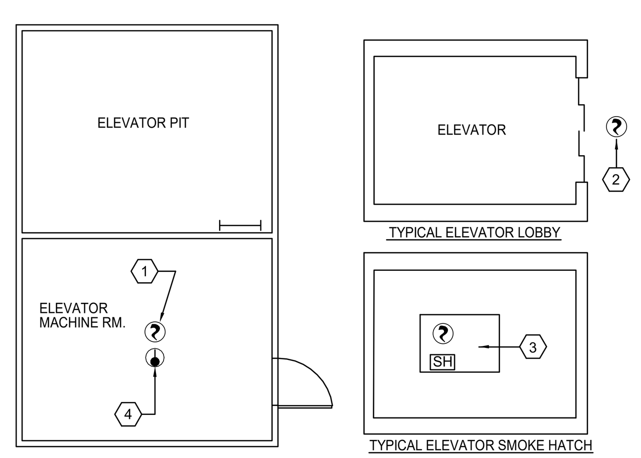
N.O. CONTACT ACTIVATED BY RELAY COIL.

10 AMP RELAY, N.O. CONTACT 24 V DC COIL, NEMA 1 ENCLOSURE.

SMOKE HATCH RELEASE 120 V AC (PROVIDED BY DIVISION 7. CONNECTION BY DIVISION 26)

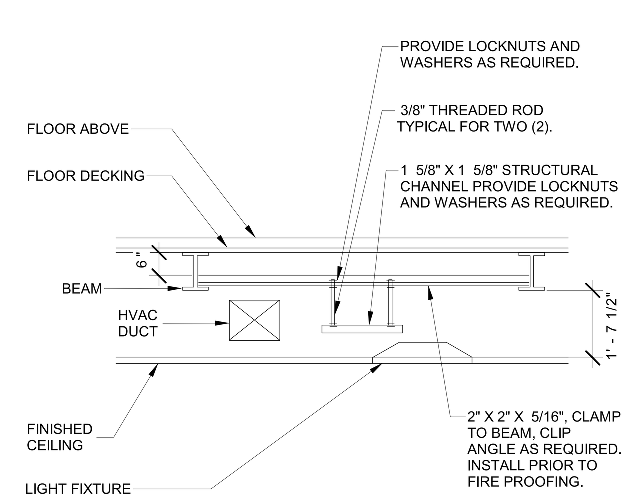
GENERAL NOTES:
A. MOUNT RELAY ADJACENT TO SMOKE HATCH.

5 / E001 SMOKE HATCH RELEASE DETAIL
SCALE: NOT TO SCALE

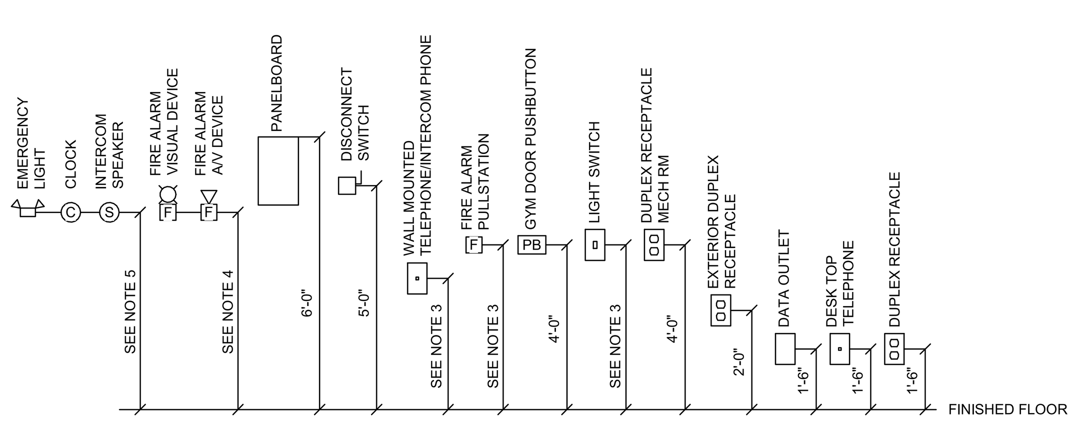


NOTES :
1. PROVIDE SMOKE DETECTOR WITH AUXILLARY CONTACTS AT ELEVATOR MACHINE ROOM. CONNECT TO FIRE ALARM SYSTEM AND TO ELEVATOR RECALL SYSTEM.
2. PROVIDE SMOKE DETECTOR WITH AUXILLARY CONTACTS AT ELEVATOR LOBBY AT EACH FLOOR. CONNECT TO FIRE ALARM SYSTEM AND ELEVATOR RECALL SYSTEM.
3. PROVIDE SMOKE DETECTOR WITH AUXILLARY CONTACTS AT ELEVATOR SMOKE HATCH. CONNECT TO FIRE ALARM SYSTEM AND SMOKE HATCH RELEASE. REFER TO SMOKE HATCH DETAIL FOR CONNECTION OF SMOKE HATCH.
4. 135° F FIXED TEMPERATURE HEAT DETECTOR IN ELEVATOR MACHINE ROOM, PIT AND HOISTWAY, LOCATED ADJACENT TO EACH SPRINKLER. CONNECT HEAT DETECTOR TO FIRE ALARM SYSTEM AND ELEVATOR POWER SHUT-DOWN SYSTEM.

4 / E001 TYPICAL FIRE ALARM LAYOUT AT ELEVATOR MACHINE RM., ELEVATOR PIT, ELEVATOR LOBBY & SMOKE HATCH
SCALE: NOT TO SCALE

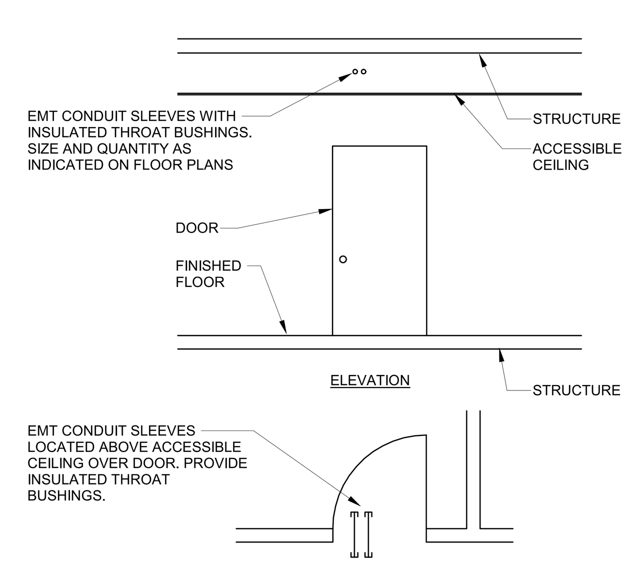


3 / E001 TYPICAL SUPPORTING DETAIL
SCALE: NOT TO SCALE



NOTES:
1. IN LOCATIONS WHERE SIMILAR DEVICES ARE MOUNTED AT THE SAME HEIGHT DEVICES SHALL BE PROPERLY "GANGED" AND SHALL HAVE A SINGLE COVER PLATE.
2. IN LOCATIONS WHERE DIFFERENT DEVICES ARE MOUNTED AT DIFFERENT HEIGHTS WITHIN FOUR FEET OF ONE ANOTHER. DEVICES SHALL BE MOUNTED SUCH THAT THEY HAVE A COMMON CENTER LINE. IF THERE ARE THREE OR MORE DEVICES THE CONTRACTOR SHALL REQUEST A DETAIL FROM THE ARCHITECT.
3. 42" MINIMUM TO 48" MAXIMUM AND WITHIN 5FT FROM DOOR.
4. 80" OR, AT SHALLOW CEILING INSTALLATIONS, WITHIN 6" OF FINISHED CEILING. VERIFY WITH ENGINEER.
5. 90" AFF, OR, AT SHALLOW CEILING INSTALLATIONS, TOP OF UNIT WITHIN 6" OF FINISHED CEILING.

1 / E001 DEVICE MOUNTING HEIGHTS
SCALE: NOT TO SCALE



NOTES:
PROVIDE SLEEVES AS INDICATED AT ALL ROOMS/CLOSETS. REFER TO FLOOR PLANS FOR SIZES AND QUANTITIES.

2 / E001 WALL SLEEVES
SCALE: NOT TO SCALE

VOICE/ DATA SYMBOLS

SYMBOL	DESCRIPTION
▽ P	DATA OUTLET AT PROJECTOR. SUBSCRIPT NUMBER(S) INDICATE DATA DROP IDENTIFICATION. REFER TO DATA CABLING SCHEDULE.
▽ TS	DATA OUTLET AT TEACHER STATION. SUBSCRIPT NUMBER(S) INDICATE DATA DROP IDENTIFICATION. REFER TO DATA CABLING SCHEDULE.
▽ b	DATA OUTLET AT WORK STATION. SUBSCRIPT NUMBER(S) INDICATE DATA DROP IDENTIFICATION. REFER TO DATA CABLING SCHEDULE.
▽ WAP	DATA OUTLET - WIRELESS ACCESS POINT (WAP), CEILING MOUNTED. SUBSCRIPT NUMBER(S) INDICATE DATA DROP IDENTIFICATION. REFER TO DATA CABLING SCHEDULE.
▼	WALL PHONE
C	WIRELESS, GPS CLOCK

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
D	LED LIGHT FIXTURE, SUBSCRIPT D = FIXTURE TYPE, REFER TO SPECIFICATIONS AND LIGHT FIXTURE SCHEDULE.
D	LED LIGHT FIXTURE, SUBSCRIPT D = FIXTURE TYPE, REFER TO SPECIFICATIONS AND LIGHT FIXTURE SCHEDULE. CIRCUITED TO EMERGENCY INVERTER POWER SYSTEM. PROVIDE RELAY AS INDICATED.
D NL	LED LIGHT FIXTURE, SUBSCRIPT D = FIXTURE TYPE, REFER TO SPECIFICATIONS AND LIGHT FIXTURE SCHEDULE. CIRCUITED TO NORMAL POWER SOURCE WITH NO SWITCHING CONTROLS.
A	LED LIGHT FIXTURE, SUBSCRIPT A = FIXTURE TYPE, REFER TO SPECIFICATIONS AND LIGHT FIXTURE SCHEDULE. CONTROLLED BY KEYED SWITCH ONLY, WITH NO OVERIDE BY OCCUPANCY SENSOR.
X5 X4 X1	EXIT SIGN LIGHT FIXTURE WITH BATTERY BACK-UP BATTERY AND CONNECTION TO EMERGENCY POWER. COORDINATE TYPE AND MOUNTING. PROVIDE ARROWS WHERE INDICATED.
	EMERGENCY LIGHT FIXTURE, 90 MINUTE BATTERY BACK-UP.

SECURITY SYMBOLS

SYMBOL	DESCRIPTION
DC	DOOR CONTACT
DL	ELECTRIC DOOR LOCK/ STRIKE
CR	CARD READER
	SECURITY CAMERA

SOUND SYMBOLS

SYMBOL	DESCRIPTION
S	PUBLIC ADDRESS SYSTEM SPEAKER, RECESSED CEILING MOUNTED. SUBSCRIPT "a" = TYPE.
C/S	CLOCK/ SPEAKER/ SIGNALING STROBE LIGHT/ MESSAGE CENTER.
S b	SURFACE MOUNTED SPEAKER, SUBSCRIPT INDICATES TYPE.
V	SPEAKER VOLUME CONTROL SWITCH.
A	AMPLIFIER JACK.
M	MICROPHONE JACK.

SECONDARY SERVICE SYMBOLS

SYMBOL	DESCRIPTION
$MS	MANUAL MOTOR STARTER
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	COMBINATION MAGNETIC STARTER
	PANELBOARD: 208/120V - RECESSED MOUNTED
	PANELBOARD: 208/120V - SURFACE MOUNTED
	PANELBOARD: 480/277V - RECESSED MOUNTED
	PANELBOARD: 480/277V - SURFACE MOUNTED
ATS	AUTOMATIC TRANSFER SWITCH
HP-012	ELECTRICAL EQUIPMENT CONNECTION. EQUIPMENT AND CIRCUITRY AS INDICATED ON PLANS AND KEYED TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE OR AS OTHERWISE NOTED.
VFD P-1	VARIABLE FREQUENCY DRIVE. SUBSCRIPT "P-1" INDICATES EQUIPMENT SERVING VFD. REFER TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE OR AS OTHERWISE NOTED.

DEVICE SYMBOLS

SYMBOL	DESCRIPTION
	WALL BOX DIMMER SWITCH, 0 - 10V
DS	LIGHTING CONTROL STATION, SUBSCRIPT INDICATES TYPE DO = DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR DS = DIGITAL SCENE SWITCH - 5 BUTTON CONTROL DV = DIMMER SWITCH WITH INTEGRAL VACANCY SENSOR
$ a 3	WALL SWITCH 3 = THREEWAY, a = FOR LIGHTING FIXTURE MARKED SAME k = KEYED SWITCH; P = PILOT LIGHT
$$$ / $$$	WALL SWITCHES GANGED ON ONE PLATE MAY BE LOCATED WITH DOT
OS 3	CEILING MOUNTED OCCUPANCY SENSOR, SUBSCRIPT INDICATES TYPE 2 = ULTRASONIC 3 = DUAL TECHNOLOGY INFRARED/ULTRASONIC C = CORRIDOR V = VACANCY
$ OS1	WALL MOUNTED OCCUPANCY SENSOR 1 = TYPE, REFER TO SPECIFICATIONS
$ VS1	WALL MOUNTED VACANCY SENSOR 1 = TYPE, REFER TO SPECIFICATIONS
PC	PHOTOCELL
DS	DAY LIGHT SENSOR
LCM	LIGHTING CONTROL MODULE
LCP	LIGHTING CONTROL PANEL
LCPM	LIGHTING CONTROL POWER MODULE
R	EMERGENCY/ NON-EMERGENCY LIGHTING CONTROL RELAY
/ AC	DUPLEX RECEPTACLE OUTLET, WALL MOUNTED FLUSH / ABOVE COUNTER MOUNTED
GF / GF/AC	G.F.C.I. DUPLEX RECEPTACLE OUTLET, WALL MOUNTED / ABOVE COUNTER MOUNTED
/ AC	DOUBLE DUPLEX RECEPTACLE OUTLET, WALL MOUNTED / ABOVE COUNTER MOUNTED
WP	WEATHERPROOF DUPLEX RECEPTACLE OUTLET
U	DUPLEX RECEPTACLE OUTLET WITH TWO (2) INTEGRAL USB CHARGING JACKS, WALL MOUNTED
	4 PORT (QUAD) USB CHARGER OUTLET
	FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE OUTLET
	FLUSH CEILING MOUNTED DUPLEX RECEPTACLE OUTLET
IG	ISOLATED GROUND DUPLEX RECEPTACLE OUTLET
	SPECIAL PURPOSE RECEPTACLE OUTLET NEMA CONFIGURATION TO MATCH PLUG
J	JUNCTION BOX
J FP	JUNCTION BOX FOR CONNECTION TO FLAGPOLE POWER SUPPLY
J CR	CORD REEL - SURFACE MOUNTED - EXPOSED - NO CEILING
J CR-R	CORD REEL - SURFACE MOUNTED - ABOVE ACT CEILING
	BRANCH CIRCUITRY: 2 #12, 1 #12G, 1/2"C UNLESS OTHERWISE NOTED. BRANCH CIRCUITRY = WIRING/ CONDUCTORS, RACEWAYS AND ASSOCIATED SUPPORTS, FITTINGS AND HARDWARE.
B1/12	BRANCH CIRCUIT HOMERUN: 2 #12, 1 #12G, 1/2"C TO PANELBOARD CIRCUIT NUMBER AS INDICATED UNLESS OTHERWISE NOTED. B1 / 12 = PANEL NAME / CIRCUIT NUMBER. BRANCH CIRCUITRY = WIRING/ CONDUCTORS, RACEWAYS AND ASSOCIATED SUPPORTS, FITTINGS AND HARDWARE.
	TWO SECTION SURFACE RACEWAY TYPE, REFER TO SPECIFICATION
	BOILER SHUTDOWN
EPO	EMERGENCY POWER OFF

ABBREVIATIONS

SYMBOL	DESCRIPTION
AC	ABOVE COUNTER - 6" ABOVE COUNTERTOP OR BACKSPLASH
AFF	ABOVE FINISHED FLOOR
AFT	AUTOMATIC FLUSH/FAUCET TRANSFORMER, REFER TO DETAIL
AG	ABOVE GRADE
AU	AT UNIT
C	CONDUIT
CAP	CARD ACCESS PANEL
CACP	CARD ACCESS CONTROL PANEL
CKT	CIRCUIT
CPS	CAMERA POWER SUPPLY
EM	CONNECT TO EMERGENCY CIRCUIT
EMT	ELECTRIC METALIC TUBING
EWC	ELECTRIC WATER COOLER
EX	EXISTING TO REMAIN
FS	FIRE SMOKE DAMPER. PROVIDE CONNECTIONS AS INDICATED
G	GROUND
GF	GROUND FAULT INTERUPT DEVICE
NF	NON-FUSED
NL	NIGHT LIGHT
R/R	REMOVE AND REINSTALL
SP	SURGE PROTECTED
VFC	VARIABLE FREQUENCY CONTROLLER
WP	WEATHERPROOF
WG	WIRE GUARD

GENERAL SYMBOLS

SYMBOL	DESCRIPTION
E1	REFERS TO KEYED NOTE ON RESPECTIVE DRAWING
ED1	REFERS TO DEMOLITION KEYED NOTE ON RESPECTIVE DRAWING

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION
FACP	FIRE ALARM SYSTEM CONTROL PANEL
FAA	FIRE ALARM SYSTEM ANNUNCIATOR
NAC	FIRE ALARM SYSTEM NOTIFICATION APPLIANCE CIRCUIT (POWER SUPPLY)
F	FIRE ALARM SYSTEM MANUAL PULL STATION
	FIRE ALARM SYSTEM SMOKE DETECTOR; AC = ABOVE CEILING
DSD	FIRE ALARM SYSTEM SMOKE DETECTOR, DUCT MOUNTED
T	FIRE ALARM SYSTEM - BEAM TYPE SMOKE DETECTOR - TRANSMITTER
R	FIRE ALARM SYSTEM - BEAM TYPE SMOKE DETECTOR - RECEIVER
	FIRE ALARM SYSTEM THERMAL DETECTOR; TC = THERMO COUPLE TYPE
CO	CARBON MONOXIDE DETECTOR, HARDWIRED TO FIRE ALARM SYSTEM
GAS	NATURAL GAS DETECTOR, HARDWIRED TO FIRE ALARM SYSTEM
DH	FIRE ALARM SYSTEM MAGNETIC DOOR HOLD OPEN
FS TS PIV SD FA	FIRE ALARM CONNECTION. SUBSCRIPT IDENTIFIES TYPE: SD - SMOKE DAMPER FA - FIRE ALARM SHUTDOWN OF EQUIPMENT FS - SPRINKLER FLOW SWITCH TS - SPRINKLER TAMPER SWITCH PIV - SPRINKLER POST INDICATOR VALVE
WP F 75 2W	FIRE ALARM SYSTEM COMBINATION VISUAL AND AUDIBLE INDICATING DEVICE, WALL MOUNTED. SUBSCRIPTS: WP = WEATHERPROOF, WG = WIRE GUARD, 75 = CANDELA INTENSITY, 2W = WATTAGE TAP
F 15	FIRE ALARM SYSTEM VISUAL (ONLY) INDICATING APPLIANCE, WALL MOUNTED. SUBSCRIPTS: 15 = CANDELA INTENSITY
F 75 2W	FIRE ALARM SYSTEM COMBINATION VISUAL AND AUDIBLE INDICATING DEVICE, CEILING MOUNTED. SUBSCRIPTS: 75 = CANDELA INTENSITY, 2W = WATTAGE TAP
F 15	FIRE ALARM SYSTEM VISUAL (ONLY) INDICATING APPLIANCE, CEILING MOUNTED. SUBSCRIPTS: 15 = CANDELA INTENSITY
F 2W	FIRE ALARM SYSTEM AUDIBLE INDICATING DEVICE, CEILING MOUNTED. SUBSCRIPTS: 2W = WATTAGE TAP
RTS	FIRE ALARM SYSTEM - REMOTE TEST SWITCH

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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.3344
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F|S
FS ENGINEERING, DPC
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FS#22013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE

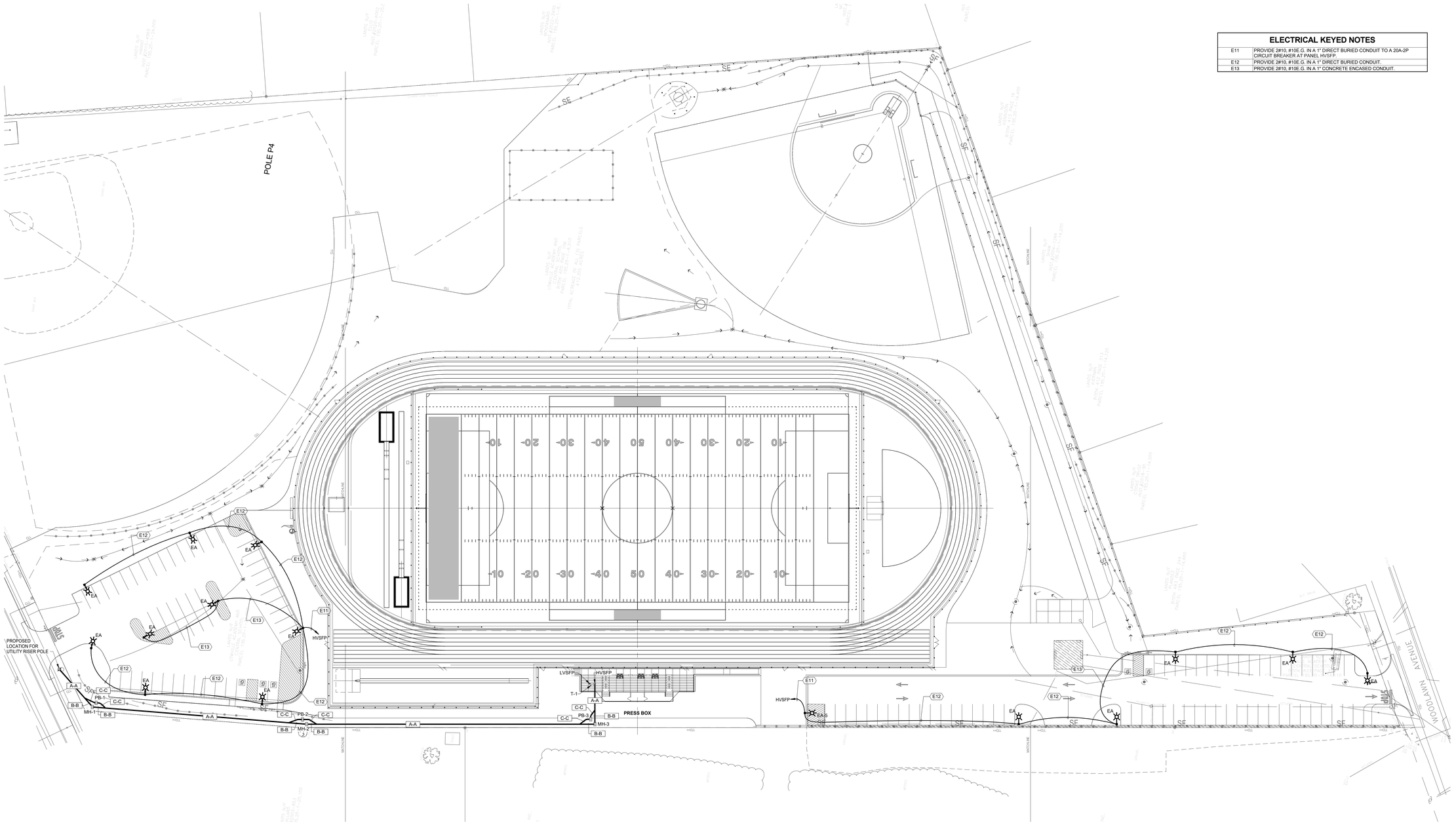
REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	DHF
CHECKED BY	FJR/EPF
SCALE	As indicated
PROJECT NO.	2194.1

DRAWING TITLE
DRAWING INDEX, SYMBOLS & ABBREVS.

DRAWING NO.
E001

ELECTRICAL KEYED NOTES	
E11	PROVIDE 2#10, #10E.G. IN A 1" DIRECT BURIED CONDUIT TO A 20A-2P CIRCUIT BREAKER AT PANEL HVSFP.
E12	PROVIDE 2#10, #10E.G. IN A 1" DIRECT BURIED CONDUIT.
E13	PROVIDE 2#10, #10E.G. IN A 1" CONCRETE ENCASED CONDUIT.



1 E002 E_SITE PLAN

SCALE: 1" = 30'-0" 3"

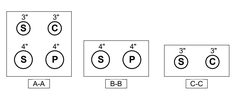
PANELBOARD SCHEDULE											
PANEL IDENTIFICATION	LOCATION	MAINS	VOLTAGE	BRANCHES					MOUNTING	INTERRUPTING CAPACITY	REMARKS
				ACTIVE		INACTIVE					
				1 POLE	2 POLE	3 POLE	SPARES	SPACES			
HVSFP	SITE	400A MCB	480/277	2 - 20A	-	6 - 40A	5 - 20A/1P	5	SURFACE	65,000	A, B, C
LVSFP	SITE	175A MCB	208/120	2 - 20A	1 - 100A	-	8 - 20A/1P	18	SURFACE	22,000	A, C

NOTES: PANELBOARD SCHEDULE

A. PANELBOARD WITH HINGED TRIM/DOOR-IN-DOOR COVER. PROVIDE LUGS TO ACCOMMODATE WIRE SIZES INDICATED.

B. PROVIDE SERVICE ENTRANCE RATED PANELBOARD.

C. PROVIDE NEMA 4 RATED PANELBOARD.



P = POWER
S = SPARE
C = COMMUNICATIONS

NOTES: CONCRETE ENCASED DUCTBANK SECTIONS

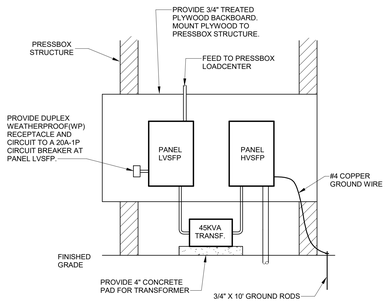
A. REFER TO CONCRETE ENCASED DUCTBANK DETAIL FOR ADDITIONAL REQUIREMENTS.

B. PAINT THE TOP OF THE ENTIRE CONCRETE DUCTBANK BRIGHT RED.

C. TERMINATE SPARE CONDUITS AT POWER SIDE OF DIVIDED PULLBOXES.

4 E002 DUCTBANK SECTIONS

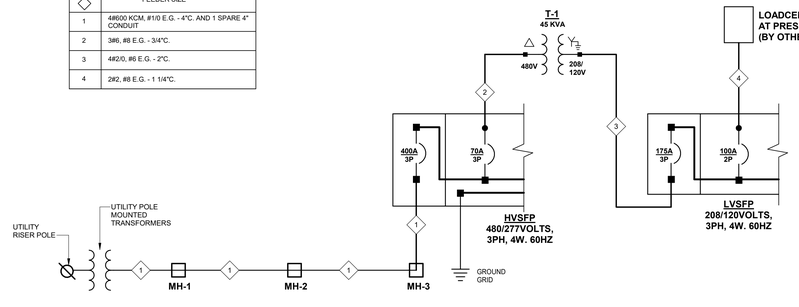
SCALE: NOT TO SCALE



3 E002 BACKBOARD ELEVATION

SCALE: NOT TO SCALE

FEEDER SCHEDULE	
NUMBER	FEEDER SIZE
1	4#600 KCM, #1/0 E.G. - 4"C. AND 1 SPARE 4" CONDUIT
2	3#6, #8 E.G. - 3/4"C.
3	4#2/0, #6 E.G. - 2"C.
4	2#2, #8 E.G. - 1 1/4"C.



2 E002 POWER DISTRIBUTION ONE LINE DIAGRAM - SERVICE

SCALE: NOT TO SCALE

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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSE0013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

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REVISIONS			
DATE	NOVEMBER 30, 2023		
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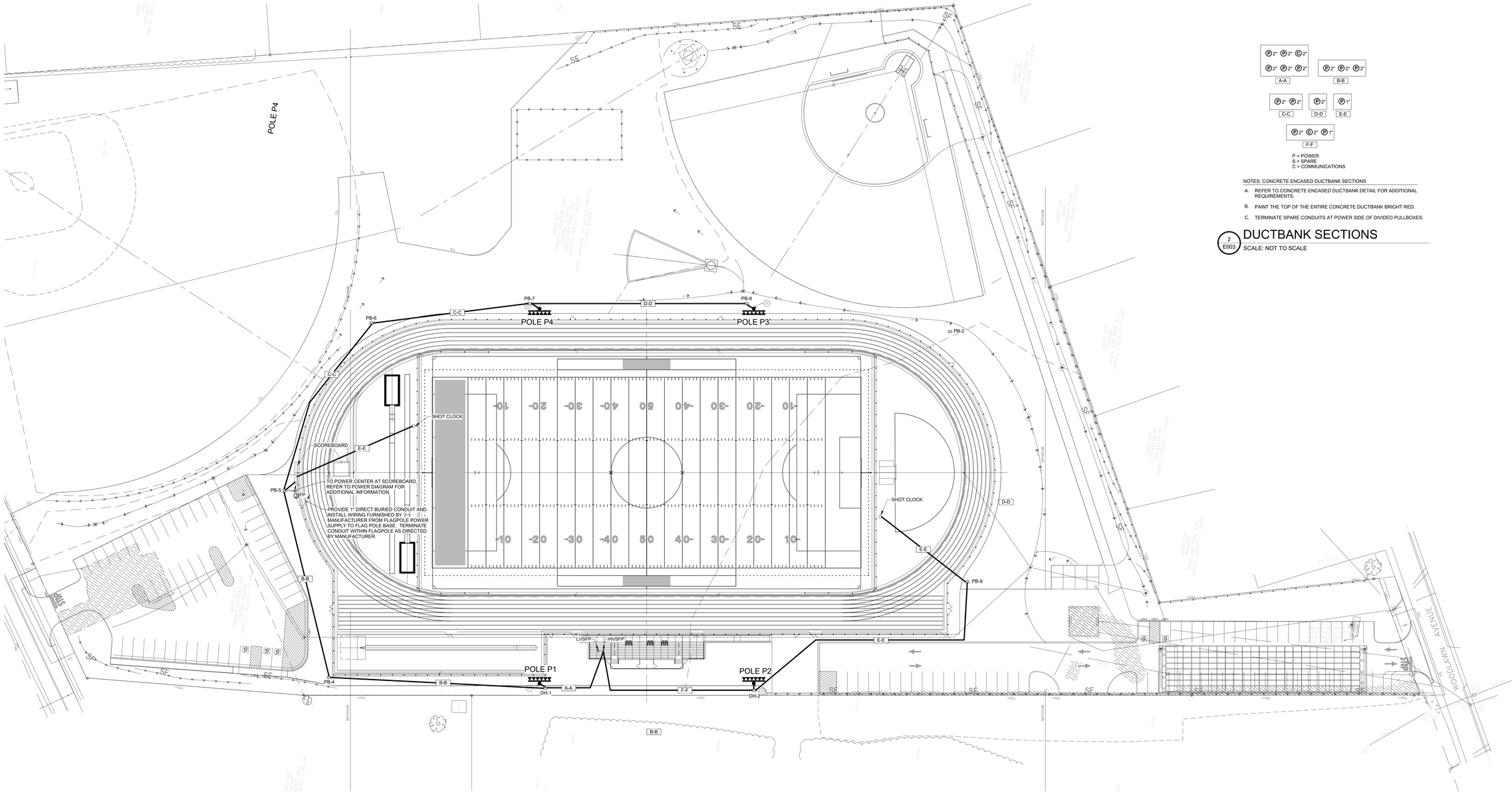
SCALE	As indicated		
PROJECT NO.	2194.1		

DRAWING TITLE
SITE PLAN

DRAWING NO.
E002



1 E003 ELECTRIC SITE PLAN - SPORTS LIGHTING

SCALE: 1" = 30'-0" 3"

NOTES: CONCRETE ENCASED DUCTBANK SECTIONS

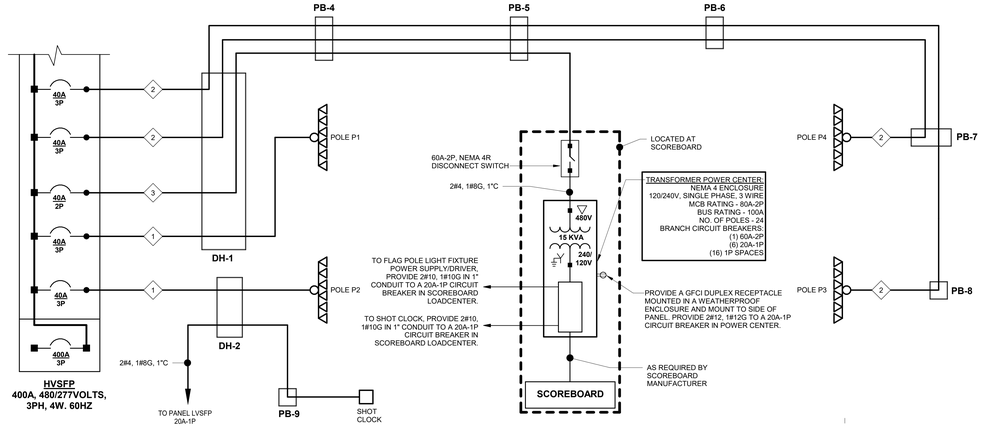
A. REFER TO CONCRETE ENCASED DUCTBANK DETAIL FOR ADDITIONAL REQUIREMENTS.

B. PAINT THE TOP OF THE ENTIRE CONCRETE DUCTBANK BRIGHT RED.

C. TERMINATE SPARE CONDUITS AT POWER SIDE OF DIVIDED PULLBOXES.

2 E003 DUCTBANK SECTIONS

SCALE: NOT TO SCALE



FEEDER SCHEDULE	
NUMBER ◇	FEEDER SIZE
1	3#8, #10 E.G. - 2"C.
2	3#6, #8 E.G. - 2"C.
3	2#4, #8 E.G. - 2"C.

3 E003 SPORTS FIELD LIGHTING POWER DIAGRAM - 4 POLE SYSTEM

SCALE: NOT TO SCALE

PROVIDE WORK INDICATED ON THIS DRAWING AS PART OF BASE BID

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ARCHITECTS & PLANNERS, PC
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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSKD013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT

7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

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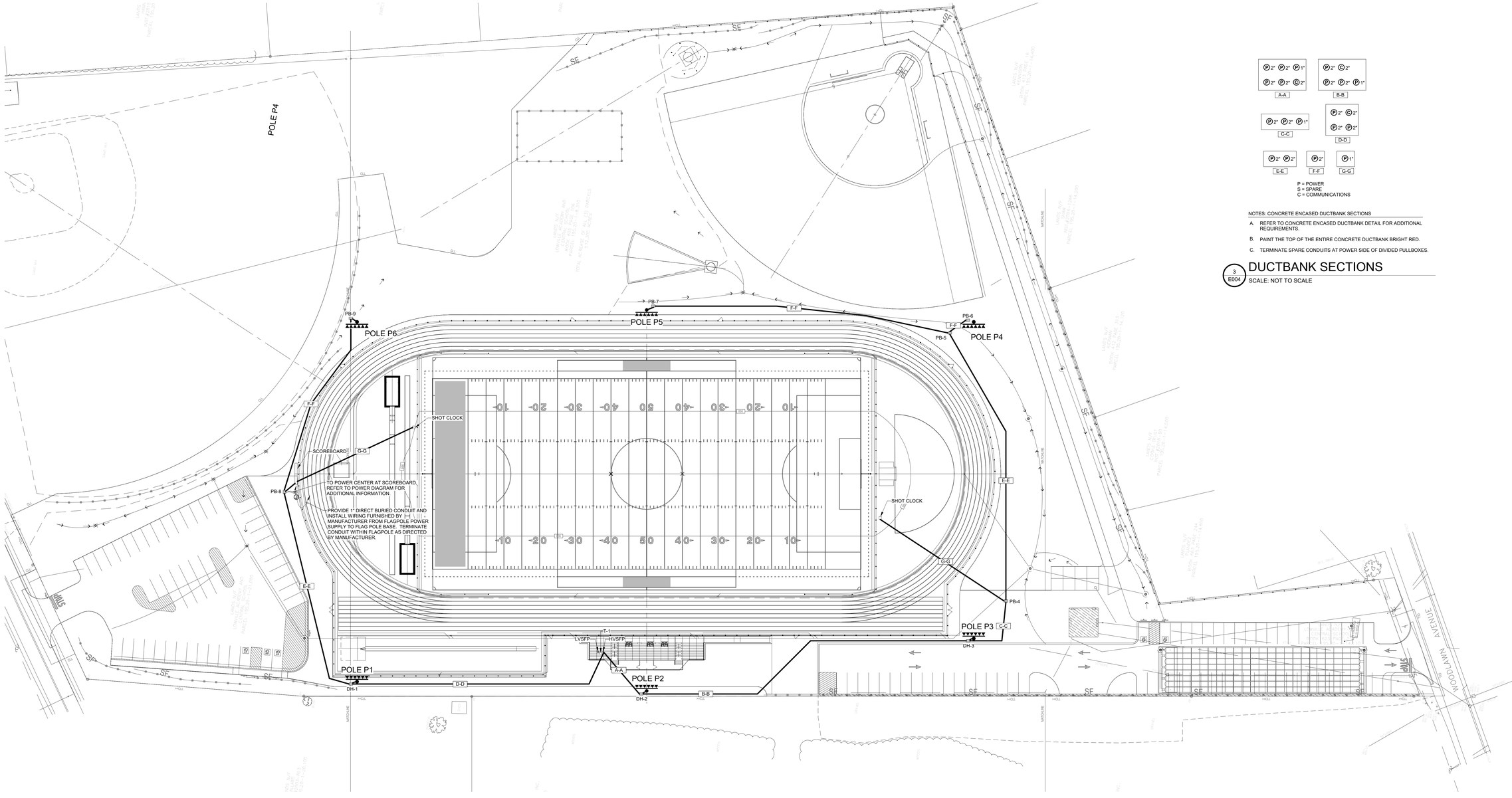
PROJECT NO.	2194.1		

DRAWING TITLE
SITE PLAN

DRAWING NO.
E003



P = POWER
S = SPARE
C = COMMUNICATIONS

NOTES: CONCRETE ENCASED DUCTBANK SECTIONS

A. REFER TO CONCRETE ENCASED DUCTBANK DETAIL FOR ADDITIONAL REQUIREMENTS.

B. PAINT THE TOP OF THE ENTIRE CONCRETE DUCTBANK BRIGHT RED.

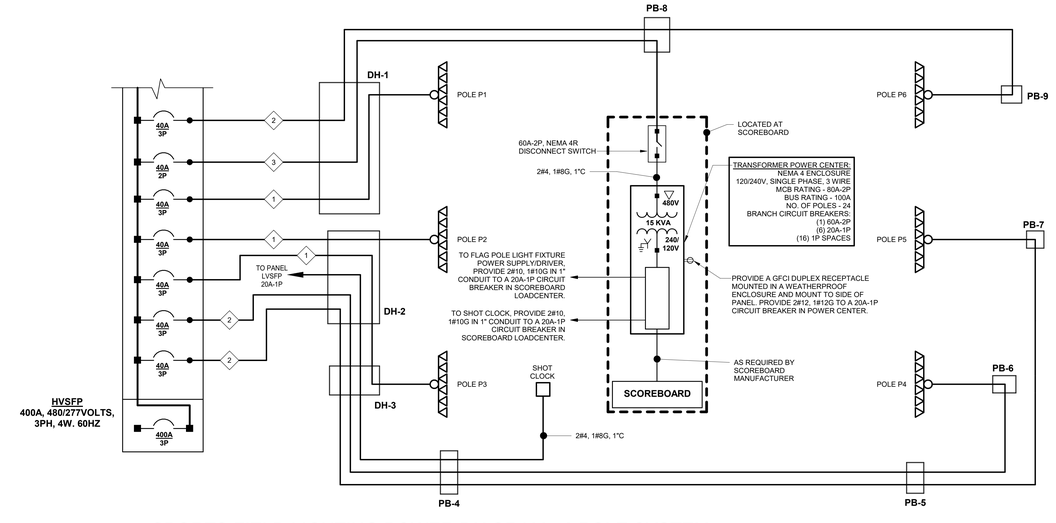
C. TERMINATE SPARE CONDUITS AT POWER SIDE OF DIVIDED PULLBOXES.

3 / E004 DUCTBANK SECTIONS

SCALE: NOT TO SCALE

1 / E004 ELECTRIC SITE PLAN - SPORTS LIGHTING

SCALE: 1" = 30'-0" 3"



FEEDER SCHEDULE	
NUMBER	FEEDER SIZE
1	3#8, #10 E.G. - 2"C.
2	3#6, #8 E.G. - 2"C.
3	2#4, #8 E.G. - 2"C.

2 / E004 SPORTS FIELD LIGHTING POWER DIAGRAM - 6 POLE SYSTEM

SCALE: NOT TO SCALE

PROVIDE WORK INDICATED ON THIS DRAWING AS PART OF ALTERNATE #2

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ARCHITECTS & PLANNERS, PC
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FS ENGINEERING, DPC
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSE0013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT

7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DHF		
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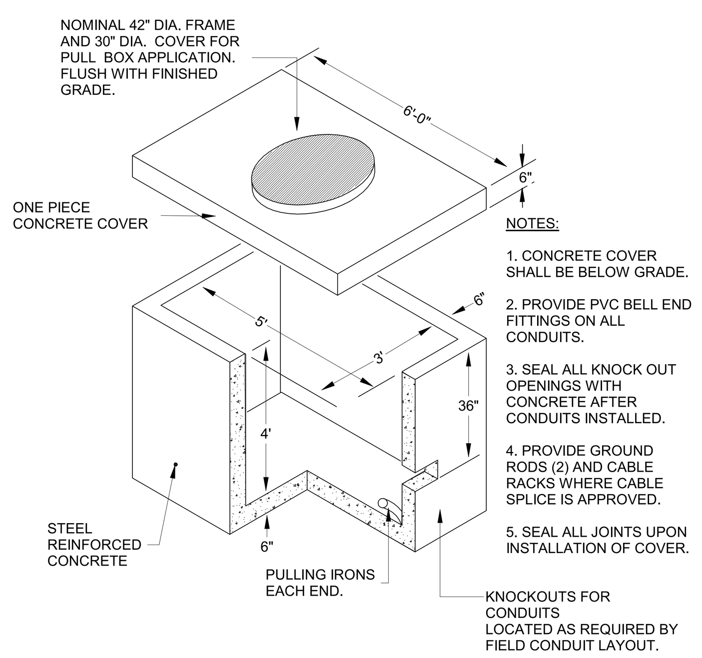
SCALE	As indicated		
PROJECT NO.	2194.1		

DRAWING TITLE
SITE PLAN - ALTERNATE 2

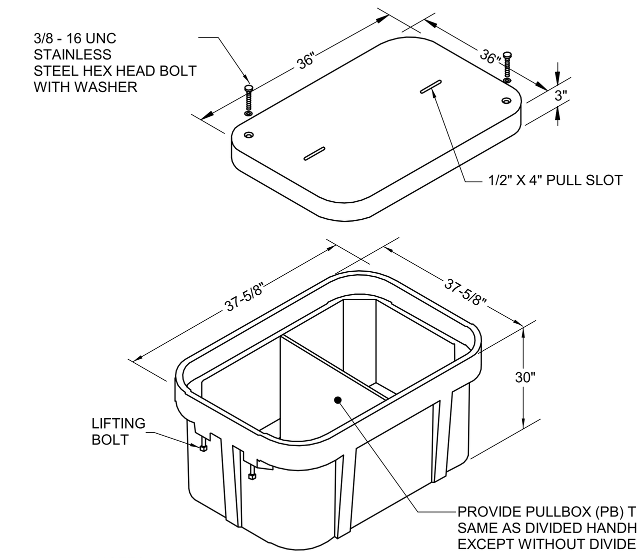
DRAWING NO.
E004



NOTES:

1. CONCRETE COVER SHALL BE BELOW GRADE.
2. PROVIDE PVC BELL END FITTINGS ON ALL CONDUITS.
3. SEAL ALL KNOCK OUT OPENINGS WITH CONCRETE AFTER CONDUITS INSTALLED.
4. PROVIDE GROUND RODS (2) AND CABLE RACKS WHERE CABLE SPLICE IS APPROVED.
5. SEAL ALL JOINTS UPON INSTALLATION OF COVER.

12 E005 MANHOLE DETAIL (MH)
SCALE: NOT TO SCALE



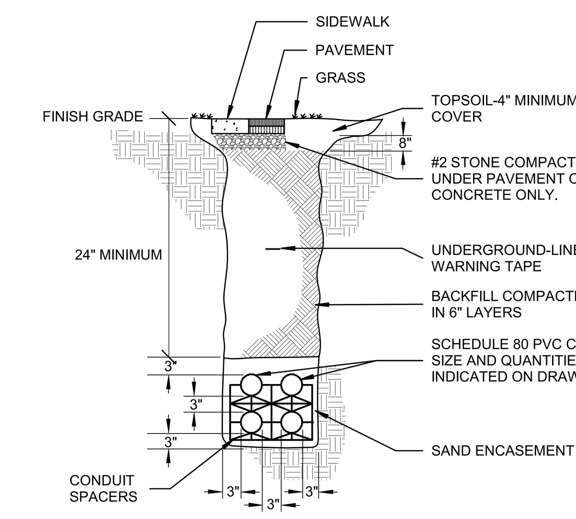
NOTES:

A. PROVIDE PVC BELL END FITTINGS ON ALL CONDUITS.

B. SEAL ALL OPENINGS WATERTIGHT AFTER CONDUITS INSTALLED.

C. SEAL ALL JOINTS WATERTIGHTUPON INSTALLATION OF COVER.

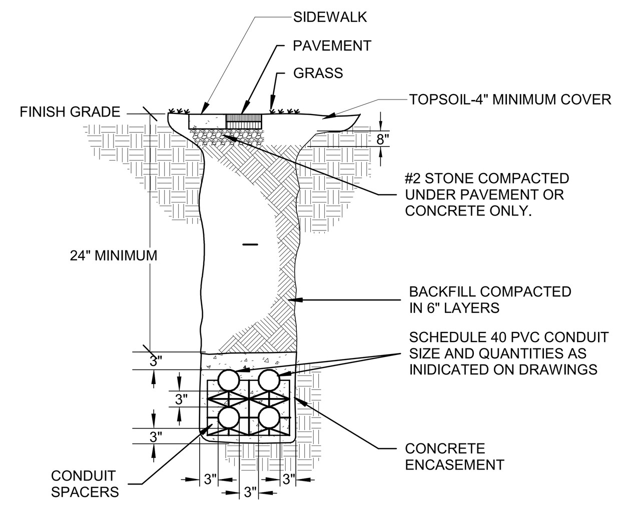
4 E005 DIVIDED HANDHOLE/PULLBOX DETAIL (DH)/(PB)
SCALE: NOT TO SCALE



NOTES:

A. TIE ALL CONDUIT DOWN.
B. 3" HORIZONTAL AND VERTICAL SPACING BETWEEN CONDUITS.
C. QUANTITY OF CONDUITS AND CONDUCTORS AS CALLED FOR.
D. PROVIDE A PULLROPE IN EACH CONDUIT.

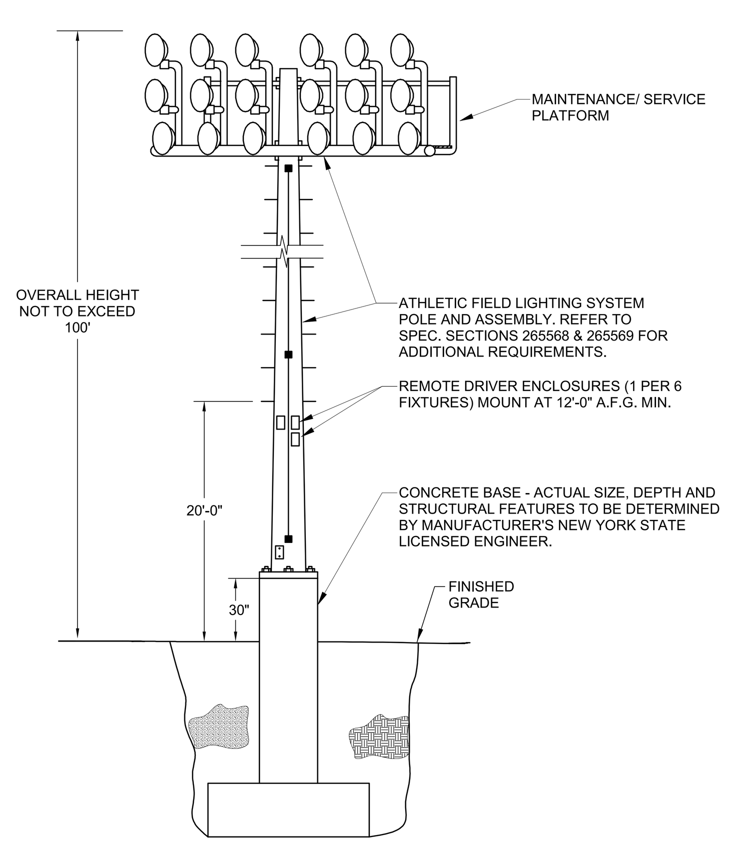
3 E005 DIRECT BURIED DUCTBANK
SCALE: NOT TO SCALE



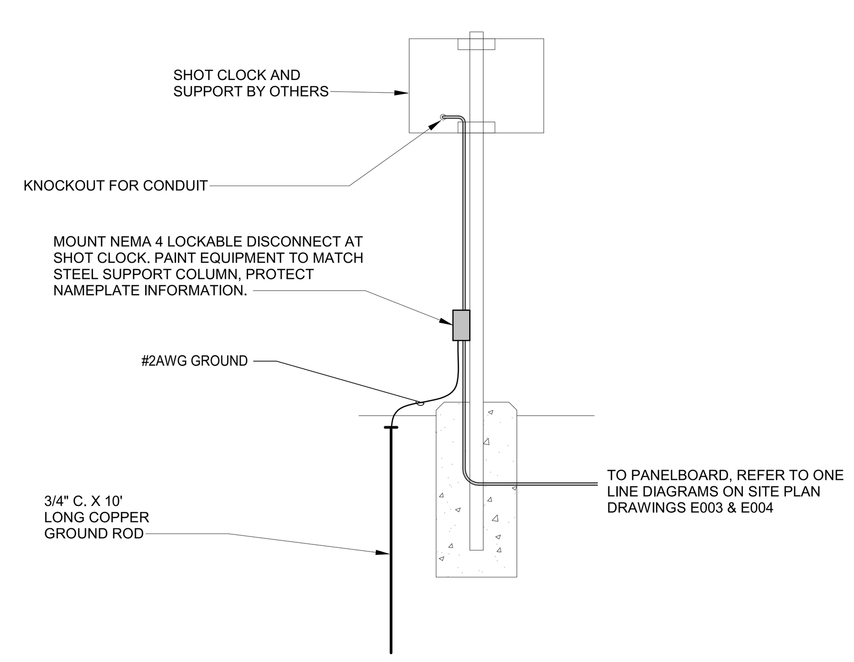
NOTES:

A. TIE ALL CONDUIT DOWN.
B. 3" HORIZONTAL AND VERTICAL SPACING BETWEEN CONDUITS.
C. QUANTITY OF CONDUITS AND CONDUCTORS AS CALLED FOR.
D. PROVIDE A PULLROPE IN EACH CONDUIT.

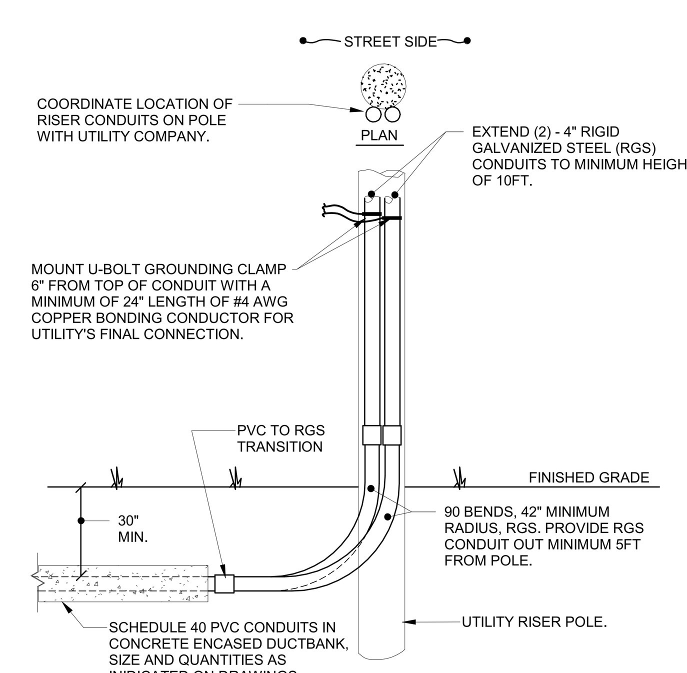
2 E005 CONCRETE ENCASED DUCTBANK
SCALE: NOT TO SCALE



1 E005 ATHLETIC FIELD LIGHTING POLE DETAIL
SCALE: NOT TO SCALE



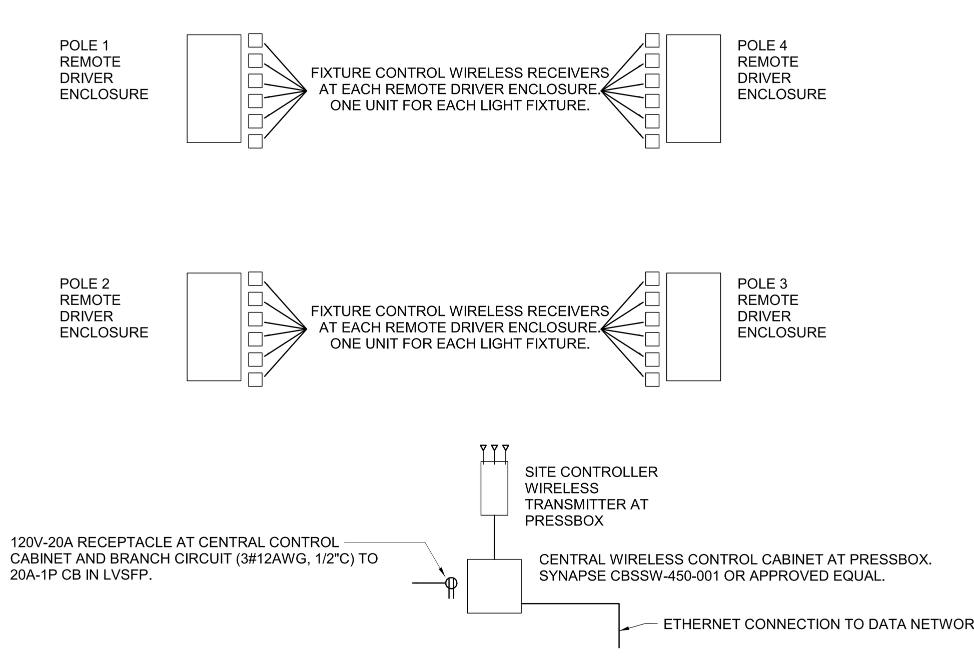
10 E005 SHOT CLOCK DETAIL
SCALE: NOT TO SCALE



GENERAL NOTE:

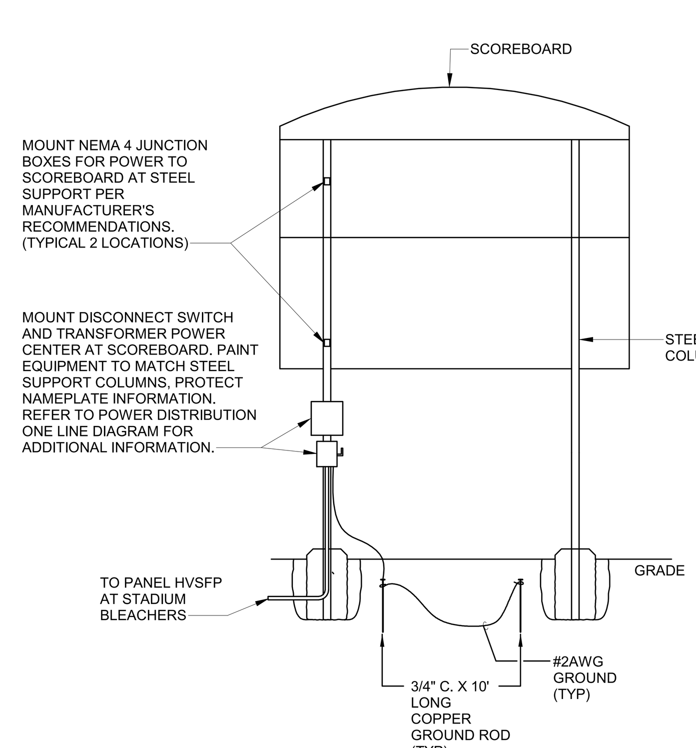
A. REFER TO NATIONAL GRID'S ELECTRIC SYSTEM BULLETIN NO. 759B FOR COMPLETE RISER POLE INSTALLATION REQUIREMENTS.

6 E005 UTILITY CONDUIT @ RISER POLE DETAIL
SCALE: NOT TO SCALE

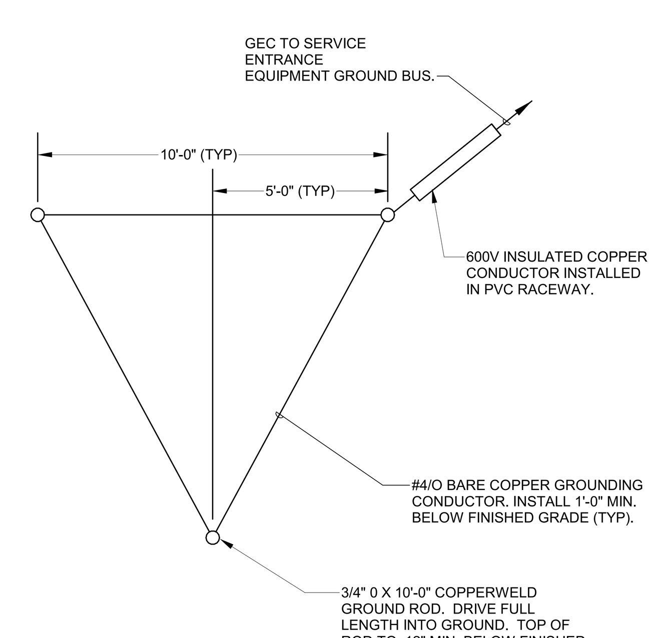


NOTE:
SYSTEM TO PROVIDE WIFI NETWORK ACCESS FOR LOCAL CONTROL ALSO.

7 E005 ATHLETIC FIELD WIRELESS LIGHTING CONTROL SYSTEM (4 POLE)
SCALE: NOT TO SCALE



11 E005 SCOREBOARD DETAIL
SCALE: NOT TO SCALE



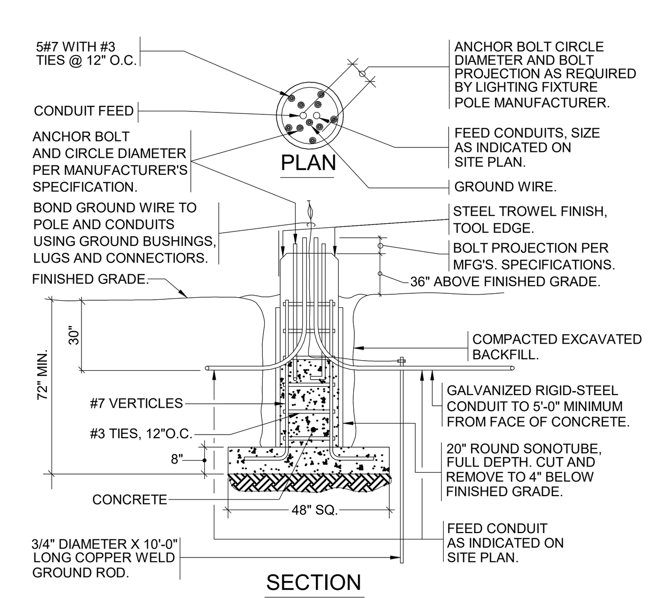
NOTES:

A. AT POINT OF ENTRANCE TO FACILITY, PROVIDE SOLDER BLOCK IN GROUNDING ELECTRODE CONDUCTOR. SEAL CONDUIT TO CONDUCTOR 100% WATERPROOF.

B. GROUNDING ELECTRODE CONDUCTOR (GEC) SHALL BE; (4/0) .

C. PROVIDE ADDITIONAL RODS AND INTERCONNECTIONS AS NECESSARY TO OBTAIN SPECIFIED MAXIMUM RESISTANCE TO GROUND.

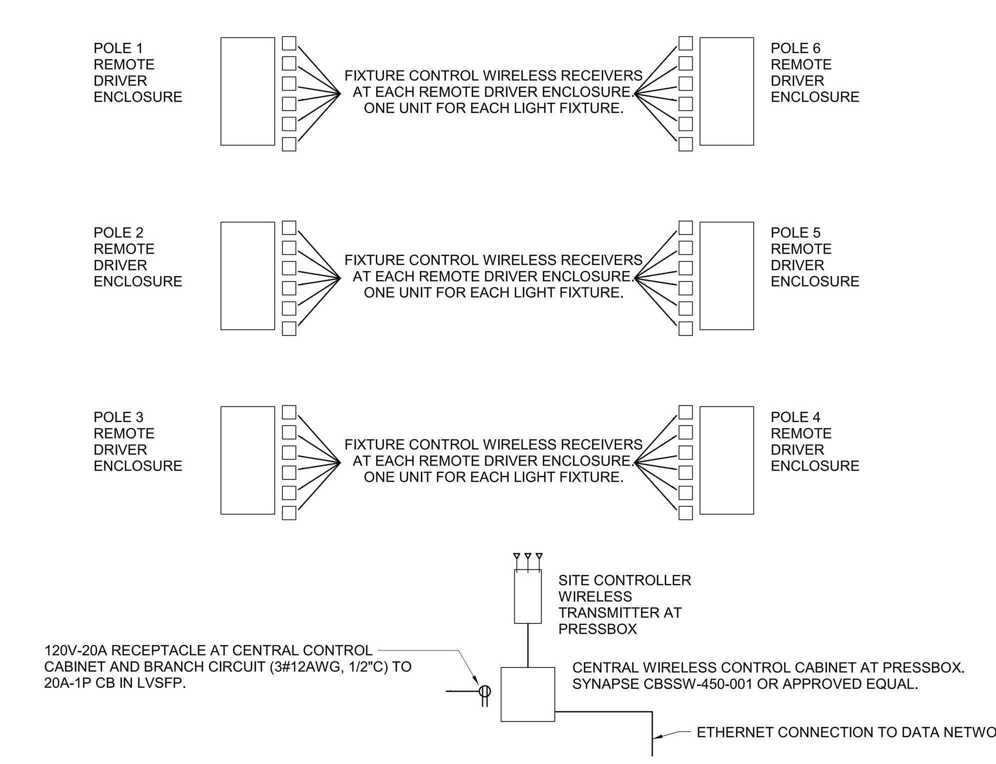
9 E005 GROUND GRID
SCALE: NOT TO SCALE



NOTES:

1. FOOTING SHALL BE SEATED ON DENSE VIRGIN SUBGRADE OR COMPACTED RUN-OF-BANK GRAVEL.
2. REINFORCING:
   - -NEW BILLET STEEL, A-615 DEFORMED BARS, GRADE 40.
   - -ALL REINFORCING SHALL BE SECURELY TIED.
   - -2" MINIMUM CONCRETE COVER OVER ALL REINFORCING BARS.
3. ALL VERTICAL REINFORCING BARS SHALL BE ONE SINGLE BAR. NO SPLICING OF VERTICAL REINFORCING BARS WILL BE ALLOWED.
4. FIXTURE POLE SHALL BE INSTALLED SO THAT BASE PLATE COVER SITS ON CONCRETE POLE BASE. EXPOSED ANCHOR BOLTS WILL NOT BE ACCEPTED.

5 E005 SITE POLE BASE DETAIL - TYPE EA
SCALE: NOT TO SCALE



NOTE:
SYSTEM TO PROVIDE WIFI NETWORK ACCESS FOR LOCAL CONTROL ALSO.

8 E005 ATHLETIC FIELD WIRELESS LIGHTING CONTROL SYSTEM (6 POLE)
SCALE: NOT TO SCALE

ALTERNATE E1

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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.3344
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FS ENGINEERING, DPC
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FS#22013

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7668 STATE STREET, LOWVILLE, NEW YORK 13367
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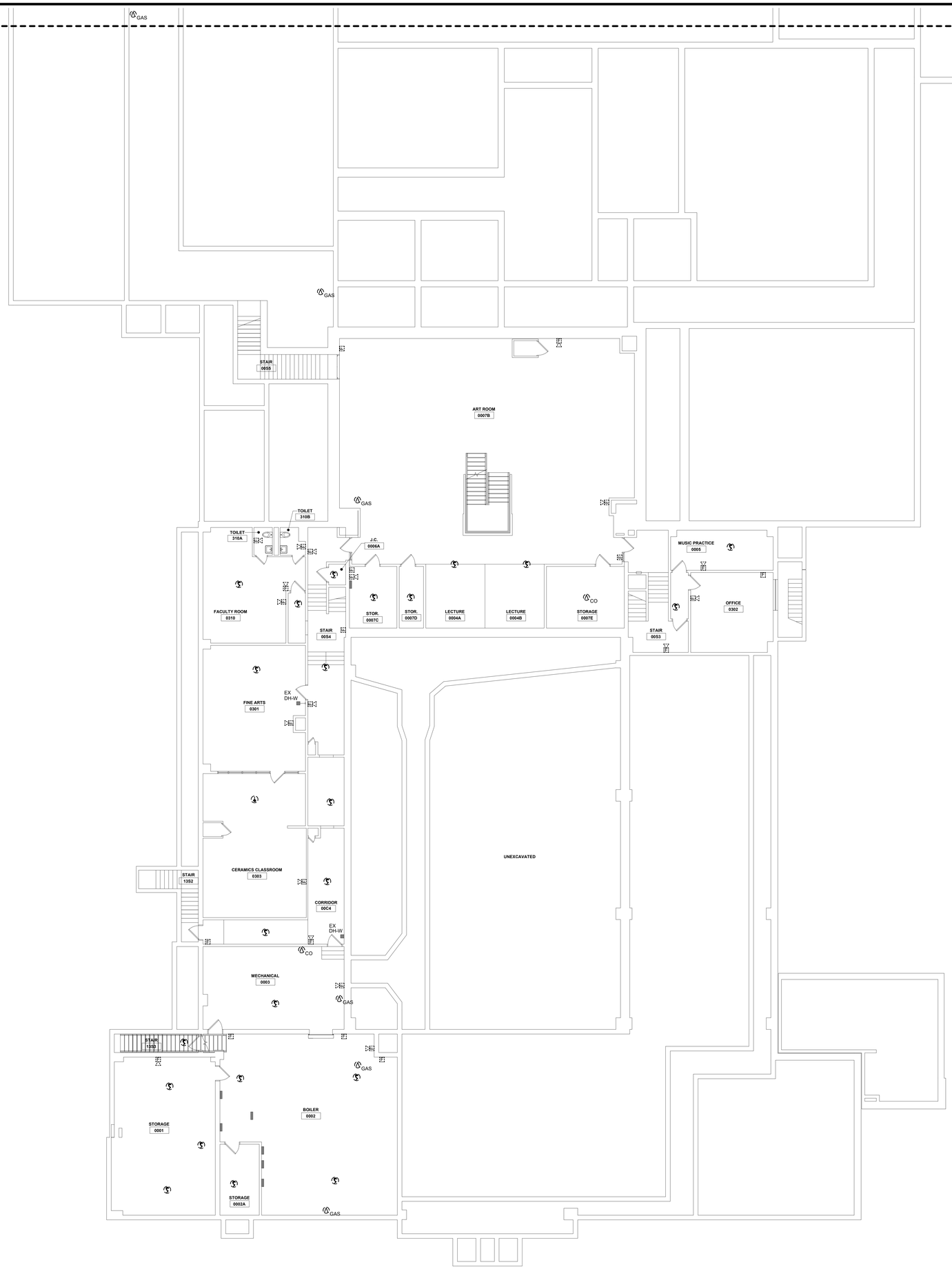
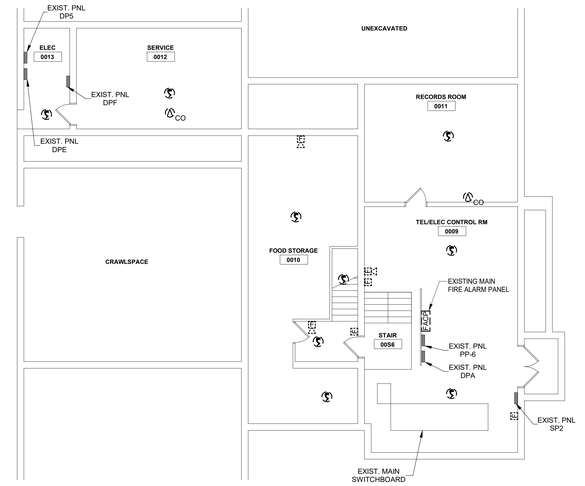
SITE DETAILS

DRAWING NO.
E005



2 ED101 PARTIAL REMOVALS PLAN - GROUND FLOOR, AREA C

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



1 ED101 PARTIAL REMOVALS PLAN - GROUND FLOOR, AREA B

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

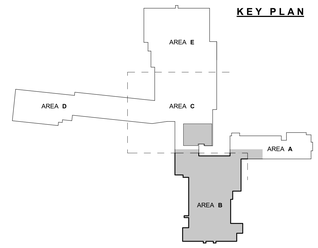
ELECTRICAL DEMOLITION NOTES

A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
B	VERIFY LOCATIONS AND SCHEDULE OF REMOVAL WORK AT ALL AREAS PRIOR TO STARTING WORK. PROVIDE ALL REQUIRED WIRING AND TEMPORARY CONNECTIONS NECESSARY TO MAINTAIN CONTINUITY OF SERVICES DURING ALL STAGES OF WORK.
C	MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL EQUIPMENT, OUTLETS AND DEVICES THAT ARE TO REMAIN.
D	UNLESS OTHERWISE INDICATED, DISCONNECT EXISTING ELECTRICAL (AND/OR MECHANICAL) EQUIPMENT AND CONTROL ITEMS INDICATED. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. ON THIS PLAN, EXISTING MECHANICAL/ELECTRICAL EQUIPMENT ITEMS ARE INDICATED BY ⊘
E	UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICES AND FIRE ALARM SYSTEM. REMOVE ASSOCIATED RACEWAYS AND CIRCUITING BACK TO SOURCE. PROVIDE REPLACEMENT FIRE ALARM SYSTEM AS INDICATED ON NEW WORK PLANS. MAINTAIN AND CONNECT EXISTING FAN SHUTDOWN CONTROLS AND MODULES TO REPLACEMENT FIRE ALARM SYSTEM.
F	LIGHT FIXTURES, DEVICES AND EQUIPMENT INDICATED WITH SUBSCRIPT "R/R" ARE TO DISCONNECTED, REMOVED AND REINSTALLED. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO REINSTALLED DEVICES /EQUIPMENT /FIXTURES.
G	UNLESS OTHERWISE INDICATED, PANELBOARDS ARE EXISTING TO REMAIN.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

KEY PLAN



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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
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FS ENGINEERING, DPC
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FS#20013

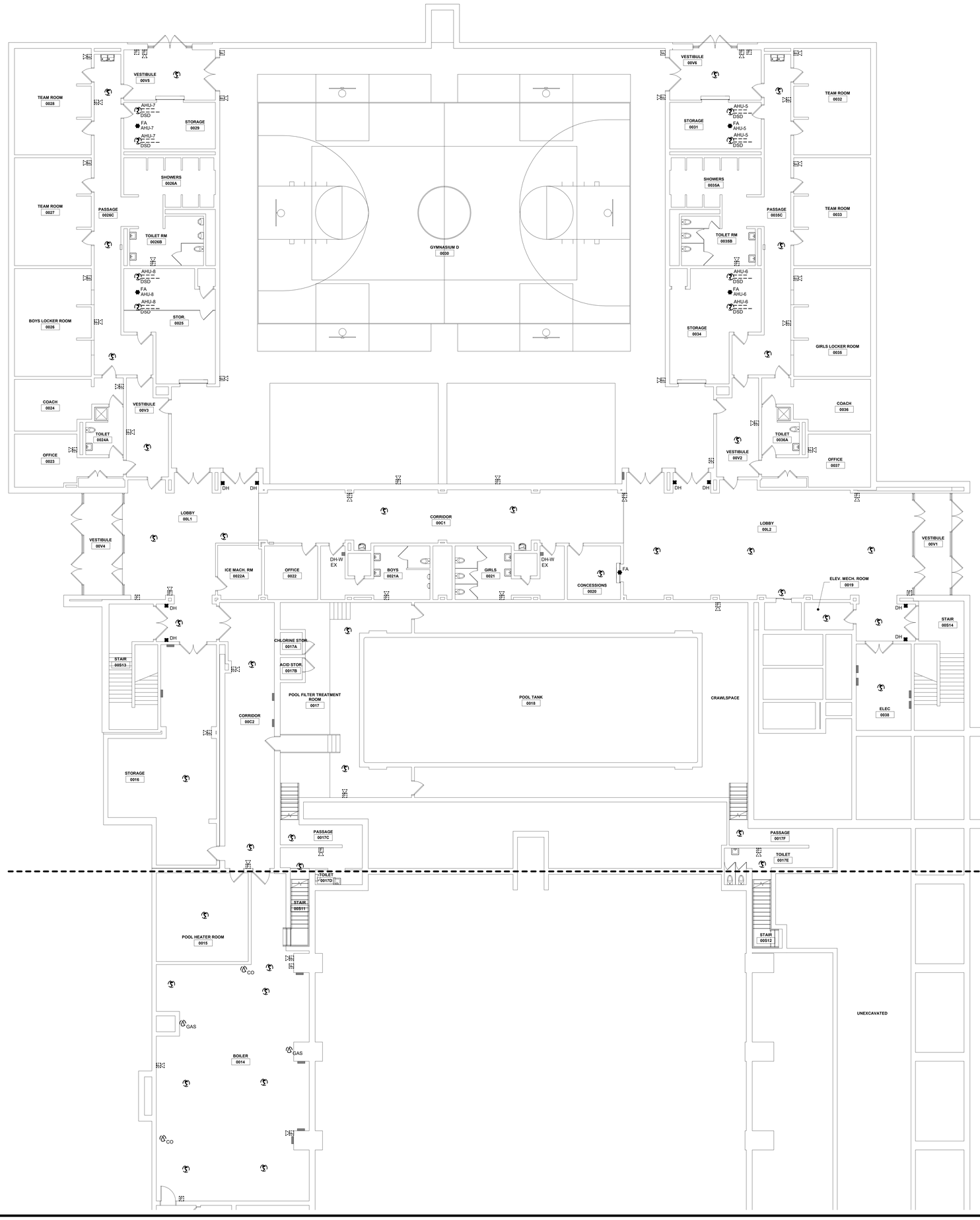
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT

7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DHF		
CHECKED BY	FJR/EPF		
SCALE	1/8" = 1'-0"		
PROJECT NO.	2194.1		

DRAWING TITLE
PARTIAL REMOVALS PLAN - GROUND FLOOR, AREA B

DRAWING NO.
ED101



ELECTRICAL DEMOLITION NOTES

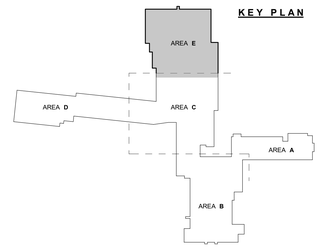
A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
B	VERIFY LOCATIONS AND SCHEDULE OF REMOVAL WORK AT ALL AREAS PRIOR TO STARTING WORK. PROVIDE ALL REQUIRED WIRING AND TEMPORARY CONNECTIONS NECESSARY TO MAINTAIN CONTINUITY OF SERVICES DURING ALL STAGES OF WORK.
C	MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL EQUIPMENT, OUTLETS AND DEVICES THAT ARE TO REMAIN.
D	UNLESS OTHERWISE INDICATED, DISCONNECT EXISTING ELECTRICAL (AND/OR MECHANICAL) EQUIPMENT AND CONTROL ITEMS INDICATED. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. ON THIS PLAN, EXISTING MECHANICAL/ELECTRICAL EQUIPMENT ITEMS ARE INDICATED BY (X).
E	UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICES AND FIRE ALARM SYSTEM. REMOVE ASSOCIATED RACEWAYS AND CIRCUITING BACK TO SOURCE. PROVIDE REPLACEMENT FIRE ALARM SYSTEM AS INDICATED ON NEW WORK PLANS. MAINTAIN AND CONNECT EXISTING FAN SHUTDOWN CONTROLS AND MODULES TO REPLACEMENT FIRE ALARM SYSTEM.
F	LIGHT FIXTURES, DEVICES AND EQUIPMENT INDICATED WITH SUBSCRIPT "R/R" ARE TO DISCONNECTED, REMOVED AND REINSTALLED. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO REINSTALLED DEVICES /EQUIPMENT /FIXTURES.
G	UNLESS OTHERWISE INDICATED, PANELBOARDS ARE EXISTING TO REMAIN.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

1 ED102 PARTIAL REMOVALS PLAN - GROUND FLOOR, AREA E
SCALE: 1/8" = 1'-0" 3"

KEY PLAN



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FS ENGINEERING, DPC
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSEDPC13

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	DHF
CHECKED BY	FJR/EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL REMOVALS PLAN - GROUND FLOOR, AREA E

DRAWING NO.
ED102

ELECTRICAL DEMOLITION NOTES

A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
B	VERIFY LOCATIONS AND SCHEDULE OF REMOVAL WORK AT ALL AREAS PRIOR TO STARTING WORK. PROVIDE ALL REQUIRED WIRING AND TEMPORARY CONNECTIONS NECESSARY TO MAINTAIN CONTINUITY OF SERVICES DURING ALL STAGES OF WORK.
C	MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL EQUIPMENT, OUTLETS AND DEVICES THAT ARE TO REMAIN.
D	UNLESS OTHERWISE INDICATED, DISCONNECT EXISTING ELECTRICAL (AND/OR MECHANICAL) EQUIPMENT AND CONTROL ITEMS INDICATED. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. ON THIS PLAN, EXISTING MECHANICAL/ELECTRICAL EQUIPMENT ITEMS ARE INDICATED BY ◇.
E	UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICES AND FIRE ALARM SYSTEM. REMOVE ASSOCIATED RACEWAYS AND CIRCUITING BACK TO SOURCE. PROVIDE REPLACEMENT FIRE ALARM SYSTEM AS INDICATED ON NEW WORK PLANS. MAINTAIN AND CONNECT EXISTING FAN SHUTDOWN CONTROLS AND MODULES TO REPLACEMENT FIRE ALARM SYSTEM.
F	LIGHT FIXTURES, DEVICES AND EQUIPMENT INDICATED WITH SUBSCRIPT "R/R" ARE TO DISCONNECTED, REMOVED AND REINSTALLED. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO REINSTALLED DEVICES /EQUIPMENT /FIXTURES.
G	UNLESS OTHERWISE INDICATED, PANELBOARDS ARE EXISTING TO REMAIN.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX. DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
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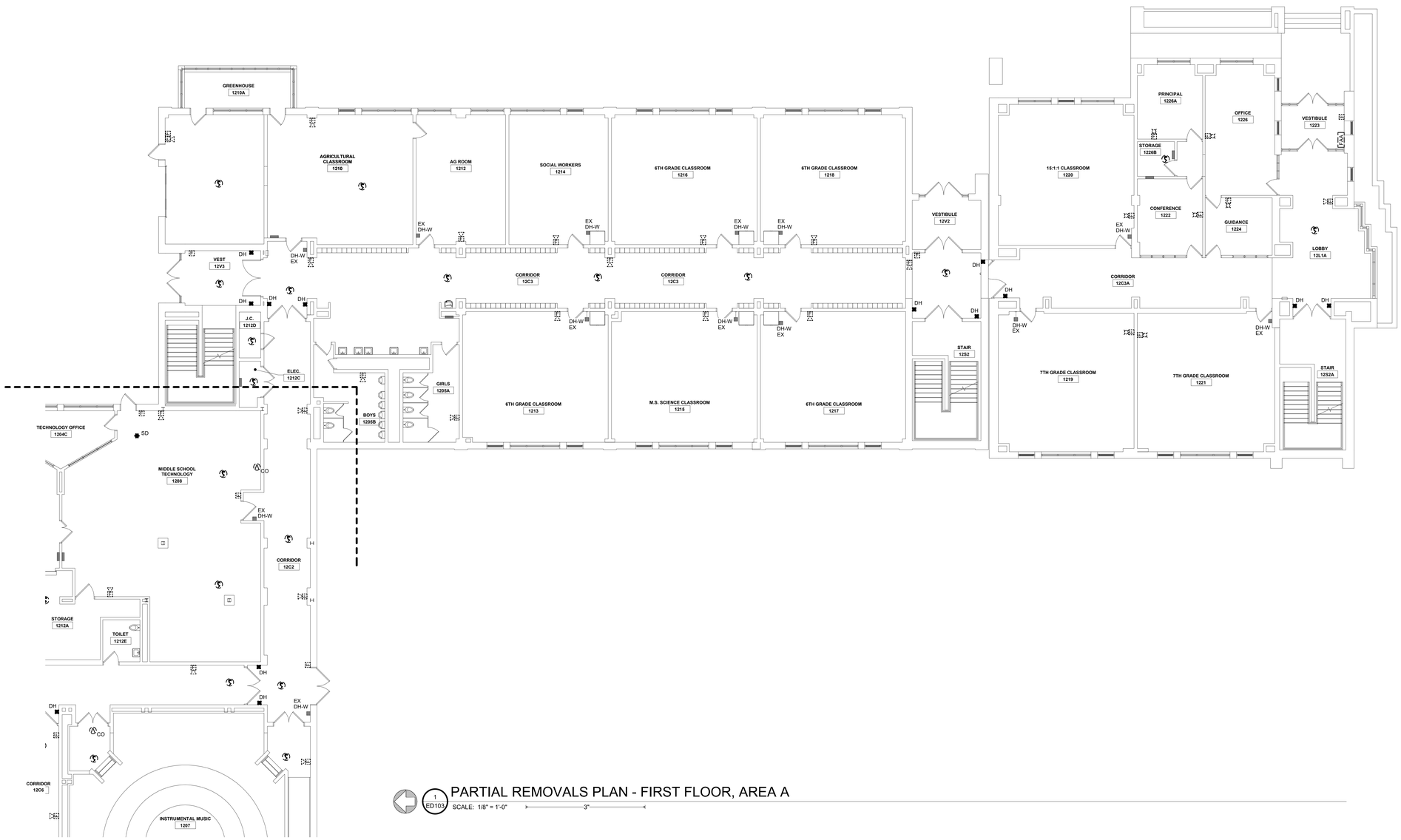
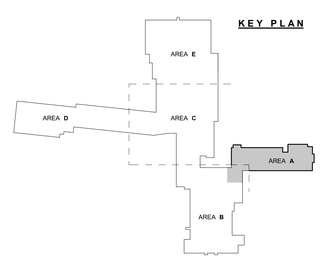


1 ED103 PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA A
SCALE: 1/8" = 1'-0"

KEY PLAN



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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSKD013

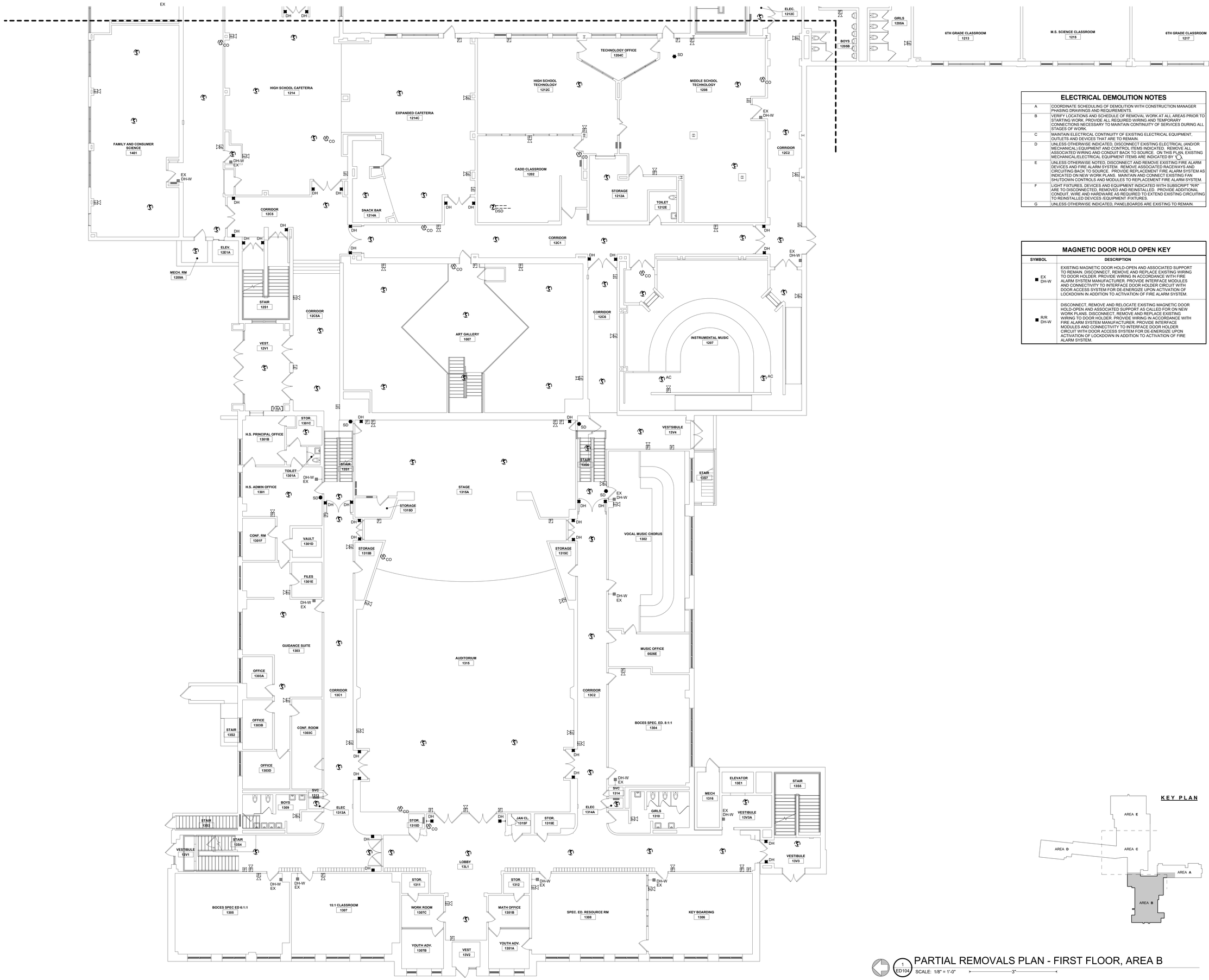
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING CAPITAL PROJECT

7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DHF		
CHECKED BY	FJR/EPF		
SCALE	1/8" = 1'-0"		
PROJECT NO.	2194.1		

DRAWING TITLE
PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA A

DRAWING NO.
ED103



ELECTRICAL DEMOLITION NOTES

A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
B	VERIFY LOCATIONS AND SCHEDULE OF REMOVAL WORK AT ALL AREAS PRIOR TO STARTING WORK. PROVIDE ALL REQUIRED WIRING AND TEMPORARY CONNECTIONS NECESSARY TO MAINTAIN CONTINUITY OF SERVICES DURING ALL STAGES OF WORK.
C	MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL EQUIPMENT, OUTLETS AND DEVICES THAT ARE TO REMAIN.
D	UNLESS OTHERWISE INDICATED, DISCONNECT EXISTING ELECTRICAL (AND/OR MECHANICAL) EQUIPMENT AND CONTROL ITEMS INDICATED. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. ON THIS PLAN, EXISTING MECHANICAL/ELECTRICAL EQUIPMENT ITEMS ARE INDICATED BY ◯.
E	UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICES AND FIRE ALARM SYSTEM. REMOVE ASSOCIATED RACEWAYS AND CIRCUITING BACK TO SOURCE. PROVIDE REPLACEMENT FIRE ALARM SYSTEM AS INDICATED ON NEW WORK PLANS. MAINTAIN AND CONNECT EXISTING FAN SHUTDOWN CONTROLS AND MODULES TO REPLACEMENT FIRE ALARM SYSTEM.
F	LIGHT FIXTURES, DEVICES AND EQUIPMENT INDICATED WITH SUBSCRIPT "R/R" ARE TO DISCONNECTED, REMOVED AND REINSTALLED. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO REINSTALLED DEVICES /EQUIPMENT /FIXTURES.
G	UNLESS OTHERWISE INDICATED, PANELBOARDS ARE EXISTING TO REMAIN.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

KEY PLAN

1 ED104 PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA B
SCALE: 1/8" = 1'-0"

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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
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Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	DHF
CHECKED BY	FJR/EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA B

DRAWING NO.
ED104

ELECTRICAL DEMOLITION NOTES

A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
B	VERIFY LOCATIONS AND SCHEDULE OF REMOVAL WORK AT ALL AREAS PRIOR TO STARTING WORK. PROVIDE ALL REQUIRED WIRING AND TEMPORARY CONNECTIONS NECESSARY TO MAINTAIN CONTINUITY OF SERVICES DURING ALL STAGES OF WORK.
C	MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL EQUIPMENT, OUTLETS AND DEVICES THAT ARE TO REMAIN.
D	UNLESS OTHERWISE INDICATED, DISCONNECT EXISTING ELECTRICAL (AND/OR MECHANICAL) EQUIPMENT AND CONTROL ITEMS INDICATED. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. ON THIS PLAN, EXISTING MECHANICAL/ELECTRICAL EQUIPMENT ITEMS ARE INDICATED BY (M).
E	UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICES AND FIRE ALARM SYSTEM. REMOVE ASSOCIATED RACEWAYS AND CIRCUITING BACK TO SOURCE. PROVIDE REPLACEMENT FIRE ALARM SYSTEM AS INDICATED ON NEW WORK PLANS. MAINTAIN AND CONNECT EXISTING FAN SHUTDOWN CONTROLS AND MODULES TO REPLACEMENT FIRE ALARM SYSTEM.
F	LIGHT FIXTURES, DEVICES AND EQUIPMENT INDICATED WITH SUBSCRIPT "R/R" ARE TO DISCONNECTED, REMOVED AND REINSTALLED. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO REINSTALLED DEVICES /EQUIPMENT /FIXTURES.
G	UNLESS OTHERWISE INDICATED, PANELBOARDS ARE EXISTING TO REMAIN.

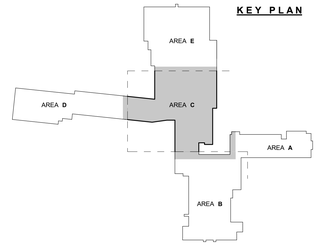
ELECTRICAL KEYED NOTES

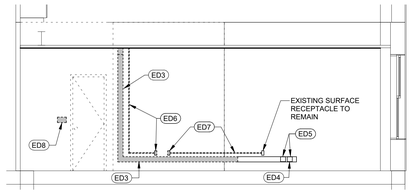
ED1	DISCONNECT , REMOVE AND REINSTALL EXISTING LIGHT FIXTURE (R/R) TO ALLOW NEW TOILET ROOM CONSTRUCTION. MAINTAIN EXISTING CIRCUITING AND EXTEND TO REINSTALLED LIGHT FIXTURE. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO REINSTALLED LIGHT FIXTURE.
ED2	IN THIS ROOM/SPACE, DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES, LIGHTING CONTROLS AND ALL ASSOCIATED CIRCUITING BACK TO SOURCE.
ED3	DISCONNECT AND REMOVE VERTICAL TWO SECTION SURFACE RACEWAY AND A PORTION OF HORIZONTAL TWO SECTION RACEWAY TO APPROXIMATELY 12" BEYOND THE END OF THE NEW TOILET ROOM WALL. PROVIDE REPLACEMENT VERTICAL TWO SECTION RACEWAY, DIVIDED 90 DEGREE ELEBOW AND ANY ADDITIONAL HARDWARE REQUIRED TO ATTACH TO EXISTING RACEWAY.
ED4	DISCONNECT AND REMOVE EXISTING DATA JACKS AND ASSOCIATED DATA CONDUCTORS BACK TO SOURCE (DATA RACK). PROVIDE REPLACEMENT DATA JACKS AND DATA WIRING. REFER TO DATA RISER DIAGRAM.
ED5	DISCONNECT EXISTING RECEPTACLES AND PULL BACK EXISTING WIRING TO ABOVE CEILING. REINSTALL EXISTING WIRING INTO TWO SECTIOIN RACEWAY AND RECONNECT TO EXISTING RECEPTACLES.
ED6	DISCONNECT AND REMOVE EXISTING SURFACE BOX, DATA JACKS, SURFACE RACEWAY AND ASSOCIATED DATA CONDUCTORS BACK TO SOURCE (DATA RACK).
ED7	DISCONNECT AND REMOVE EXISTING SURFACE BOX, RECEPTACLE AND SURFACE RACEWAY. REMOVE EXISTING WIRING BETWEEN RECEPTACLES. VERIFY EXISTING BRANCH CIRCUIT SOURCE AND IF POWER IS FROM REMOVED RECEPTACLE, PROVIDE/ EXTEND REQUIRED POWER TO RECEPTACLE THAT IS TO REMAIN.
ED8	DISCONNECT, REMOVE AND RELOCATE EXISTING DIMMERS. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO RELOCATED DIMMERS. REFER TO NEW WORK PLAN FOR NEW LOCATION OF DIMMERS.
ED10	IN THIS CLASSROOM TOILET ROOM, DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE, LIGHTING CONTROLS AND ASSOCIATED CIRCUITING BACK TO SOURCE.
ED11	DISCONNECT AND REMOVE EXISTING JUNCTION BOX.
ED12	DISCONNECT AND REMOVE EXISTING TWO SECTION SURFACE RACEWAY INCLUDING VERTICAL, HORIZONTAL, AND CABINET MOUNTED. DISCONNECT AND REMOVE EXISTING BRANCH CIRCUITING AND DATA CONDUCTORS BACK TO SOURCE.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

KEY PLAN





2 ED105 TYPICAL CLASSROOM ELEVATION

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

NOTES: TYPICAL CLASSROOM ELEVATION

A. REMOVAL WORK ON THIS ELEVATION IS SHOWN DASHED AND SHADED. REFER TO KEYED NOTES FOR EXACT REQUIREMENTS.

B. NOT ALL REMOVAL WORK INDICATED ON THIS ELEVATION IS REQUIRED AT EACH CLASSROOM, LAYOUT IS TYPICAL. CONTRACTOR TO VERIFY EXACT LOCATIONS AND REQUIREMENTS IN THE FIELD.

C. TYPICAL ELEVATION IS FOR THE FOLLOW CLASSROOMS: **1102, 1103, 1104, 1105, 1106, 1107, 1109, 1110, 1111, 1112, 1113 & 1114.**

1 ED105 PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA C

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

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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
fs902013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING CAPITAL PROJECT

7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

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CHECKED BY	FJR/EPF		
SCALE	As indicated		
PROJECT NO.	2194.1		

DRAWING TITLE
PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA C

DRAWING NO.
ED105

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

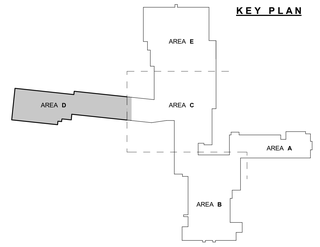
ELECTRICAL DEMOLITION NOTES

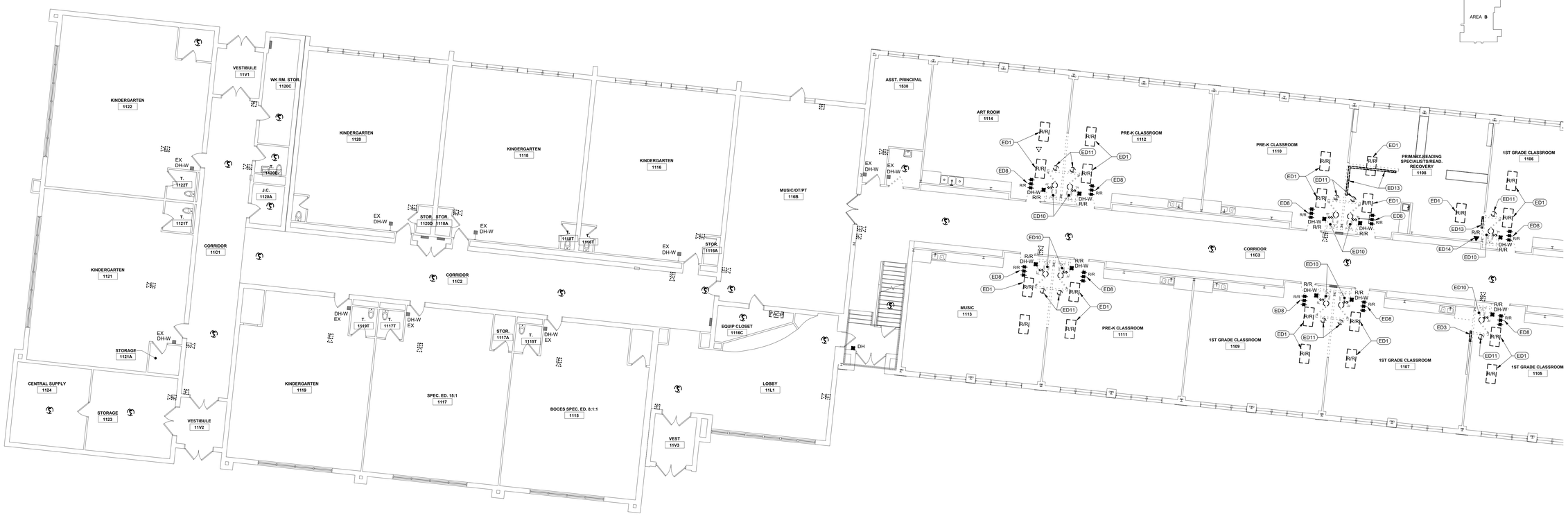
A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
B	VERIFY LOCATIONS AND SCHEDULE OF REMOVAL WORK AT ALL AREAS PRIOR TO STARTING WORK. PROVIDE ALL REQUIRED WIRING AND TEMPORARY CONNECTIONS NECESSARY TO MAINTAIN CONTINUITY OF SERVICES DURING ALL STAGES OF WORK.
C	MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL EQUIPMENT, OUTLETS AND DEVICES THAT ARE TO REMAIN.
D	UNLESS OTHERWISE INDICATED, DISCONNECT EXISTING ELECTRICAL (AND/OR MECHANICAL) EQUIPMENT AND CONTROL ITEMS INDICATED. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. ON THIS PLAN, EXISTING MECHANICAL/ELECTRICAL EQUIPMENT ITEMS ARE INDICATED BY (X).
E	UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICES AND FIRE ALARM SYSTEM. REMOVE ASSOCIATED RACEWAYS AND CIRCUITING BACK TO SOURCE. PROVIDE REPLACEMENT FIRE ALARM SYSTEM AS INDICATED ON NEW WORK PLANS. MAINTAIN AND CONNECT EXISTING FAN SHUTDOWN CONTROLS AND MODULES TO REPLACEMENT FIRE ALARM SYSTEM.
F	LIGHT FIXTURES, DEVICES AND EQUIPMENT INDICATED WITH SUBSCRIPT "R/R" ARE TO DISCONNECTED, REMOVED AND REINSTALLED. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO REINSTALLED DEVICES /EQUIPMENT /FIXTURES.
G	UNLESS OTHERWISE INDICATED, PANELBOARDS ARE EXISTING TO REMAIN.

ELECTRICAL KEYED NOTES

ED1	DISCONNECT , REMOVE AND REINSTALL EXISTING LIGHT FIXTURE (R/R) TO ALLOW NEW TOILET ROOM CONSTRUCTION. MAINTAIN EXISTING CIRCUITING AND EXTEND TO REINSTALLED LIGHT FIXTURE. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO REINSTALLED LIGHT FIXTURE.
ED3	DISCONNECT AND REMOVE VERTICAL TWO SECTION SURFACE RACEWAY AND A PORTION OF HORIZONTAL TWO SECTION RACEWAY TO APPROXIMATELY 12" BEYOND THE END OF THE NEW TOILET ROOM WALL. PROVIDE REPLACEMENT VERTICAL TWO SECTION RACEWAY, DIVIDED 90 DEGREE ELEBOW AND ANY ADDITIONAL HARDWARE REQUIRED TO ATTACH TO EXISTING RACEWAY.
ED8	DISCONNECT, REMOVE AND RELOCATE EXISTING DIMMERS. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO RELOCATED DIMMERS. REFER TO NEW WORK PLAN FOR NEW LOCATION OF DIMMERS.
ED10	IN THIS CLASSROOM TOILET ROOM, DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE, LIGHTING CONTROLS AND ASSOCIATED CIRCUITING BACK TO SOURCE.
ED11	DISCONNECT AND REMOVE EXISTING JUNCTION BOX.
ED13	DISCONNECT AND REMOVE EXISTING TWO SECTION SURFACE RACEWAY INCLUDING VERTICAL AND HORIZONTAL MOUNTED. DISCONNECT AND REMOVE EXISTING BRANCH CIRCUITING AND DATA CONDUCTORS BACK TO SOURCE.
ED14	DISCONNECT, REMOVE AND RELOCATE EXISTING PHONE SYSTEM HANDSET. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO RELOCATED HANDSET. REFER TO NEW WORK PLAN FOR NEW LOCATION.

KEY PLAN





PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA D
SCALE: 1/8" = 1'-0"

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Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSE0013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	DHF
CHECKED BY	FJR/EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA D

DRAWING NO.
ED106

ELECTRICAL DEMOLITION NOTES

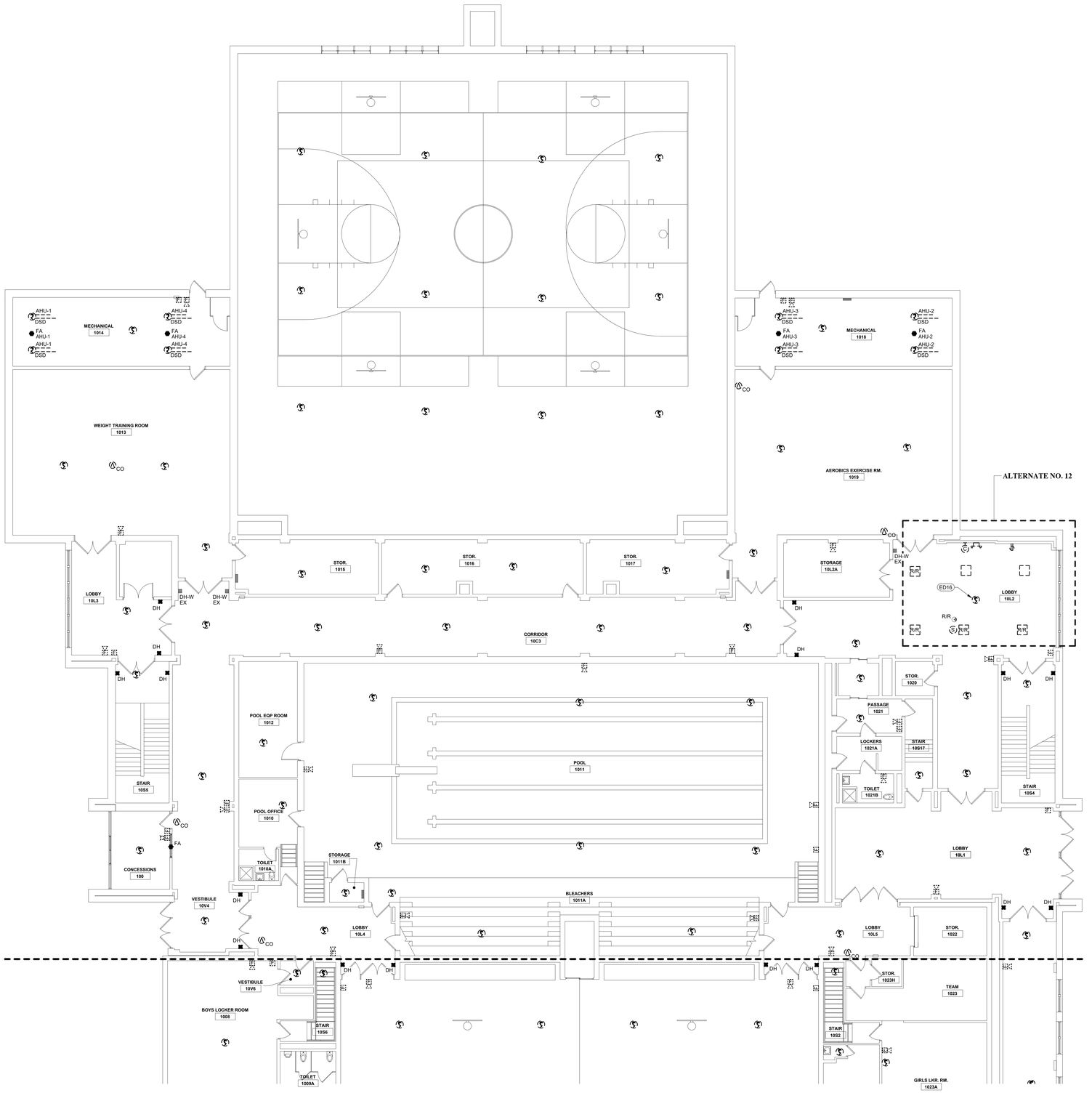
A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
B	VERIFY LOCATIONS AND SCHEDULE OF REMOVAL WORK AT ALL AREAS PRIOR TO STARTING WORK. PROVIDE ALL REQUIRED WIRING AND TEMPORARY CONNECTIONS NECESSARY TO MAINTAIN CONTINUITY OF SERVICES DURING ALL STAGES OF WORK.
C	MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL EQUIPMENT, OUTLETS AND DEVICES THAT ARE TO REMAIN.
D	UNLESS OTHERWISE INDICATED, DISCONNECT EXISTING ELECTRICAL (AND/OR MECHANICAL) EQUIPMENT AND CONTROL ITEMS INDICATED. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. ON THIS PLAN, EXISTING MECHANICAL/ELECTRICAL EQUIPMENT ITEMS ARE INDICATED BY
E	UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICES AND FIRE ALARM SYSTEM. REMOVE ASSOCIATED RACEWAYS AND CIRCUITING BACK TO SOURCE. PROVIDE REPLACEMENT FIRE ALARM SYSTEM AS INDICATED ON NEW WORK PLANS. MAINTAIN AND CONNECT EXISTING FAN SHUTDOWN CONTROLS AND MODULES TO REPLACEMENT FIRE ALARM SYSTEM.
F	LIGHT FIXTURES, DEVICES AND EQUIPMENT INDICATED WITH SUBSCRIPT "R/R" ARE TO DISCONNECTED, REMOVED AND REINSTALLED. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO REINSTALLED DEVICES /EQUIPMENT /FIXTURES.
G	UNLESS OTHERWISE INDICATED, PANELBOARDS ARE EXISTING TO REMAIN.

ELECTRICAL KEYED NOTES

ED16	PROVIDE FIRE ALARM DEVICE WORK AS PART OF BOTH BASE BID AND ALTERNATE 12.

MAGNETIC DOOR HOLD OPEN KEY

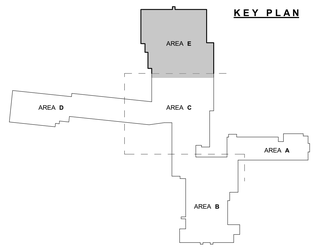
SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.



PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA E

1 / ED107 SCALE: 1/8" = 1'-0"

KEY PLAN



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Tel: 315-471-4013
Fax: 315-471-4044
FSEO2013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT

7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DHF		
CHECKED BY	FJR/EPF		
SCALE	1/8" = 1'-0"		
PROJECT NO.	2194.1		

DRAWING TITLE
PARTIAL REMOVALS PLAN - FIRST FLOOR, AREA E

DRAWING NO.
ED107

ELECTRICAL DEMOLITION NOTES

A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
B	VERIFY LOCATIONS AND SCHEDULE OF REMOVAL WORK AT ALL AREAS PRIOR TO STARTING WORK. PROVIDE ALL REQUIRED WIRING AND TEMPORARY CONNECTIONS NECESSARY TO MAINTAIN CONTINUITY OF SERVICES DURING ALL STAGES OF WORK.
C	MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL EQUIPMENT, OUTLETS AND DEVICES THAT ARE TO REMAIN.
D	UNLESS OTHERWISE INDICATED, DISCONNECT EXISTING ELECTRICAL (AND/OR MECHANICAL) EQUIPMENT AND CONTROL ITEMS INDICATED. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. ON THIS PLAN, EXISTING MECHANICAL/ELECTRICAL EQUIPMENT ITEMS ARE INDICATED BY ◯.
E	UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICES AND FIRE ALARM SYSTEM. REMOVE ASSOCIATED RACEWAYS AND CIRCUITING BACK TO SOURCE. PROVIDE REPLACEMENT FIRE ALARM SYSTEM AS INDICATED ON NEW WORK PLANS. MAINTAIN AND CONNECT EXISTING FAN SHUTDOWN CONTROLS AND MODULES TO REPLACEMENT FIRE ALARM SYSTEM.
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G	UNLESS OTHERWISE INDICATED, PANELBOARDS ARE EXISTING TO REMAIN.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX. DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
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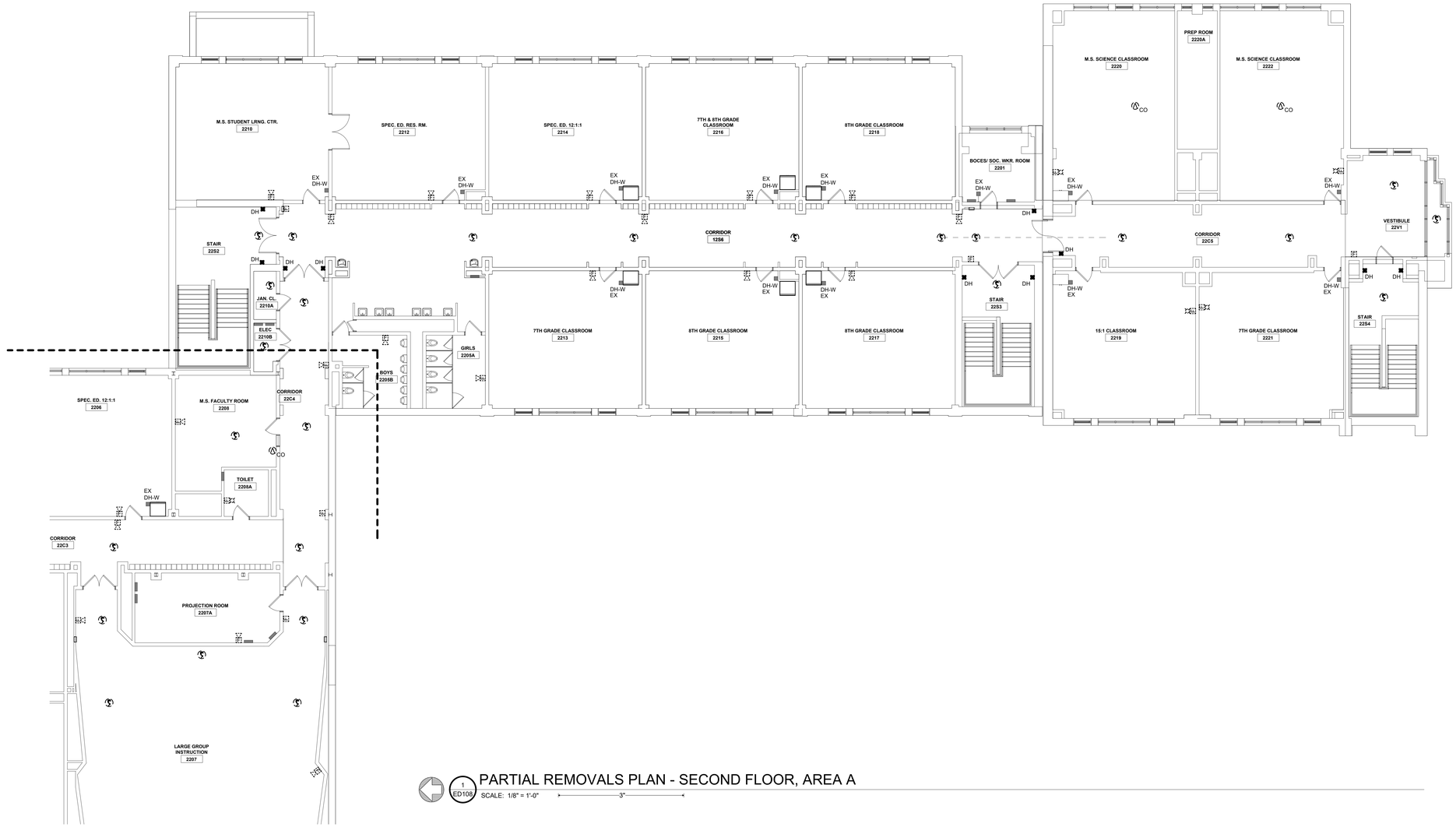
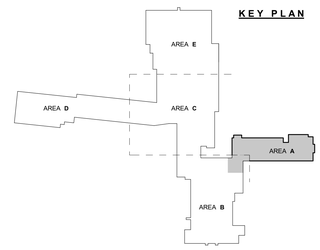


1 ED108 PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA A

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

KEY PLAN



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Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FS#20013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING CAPITAL PROJECT

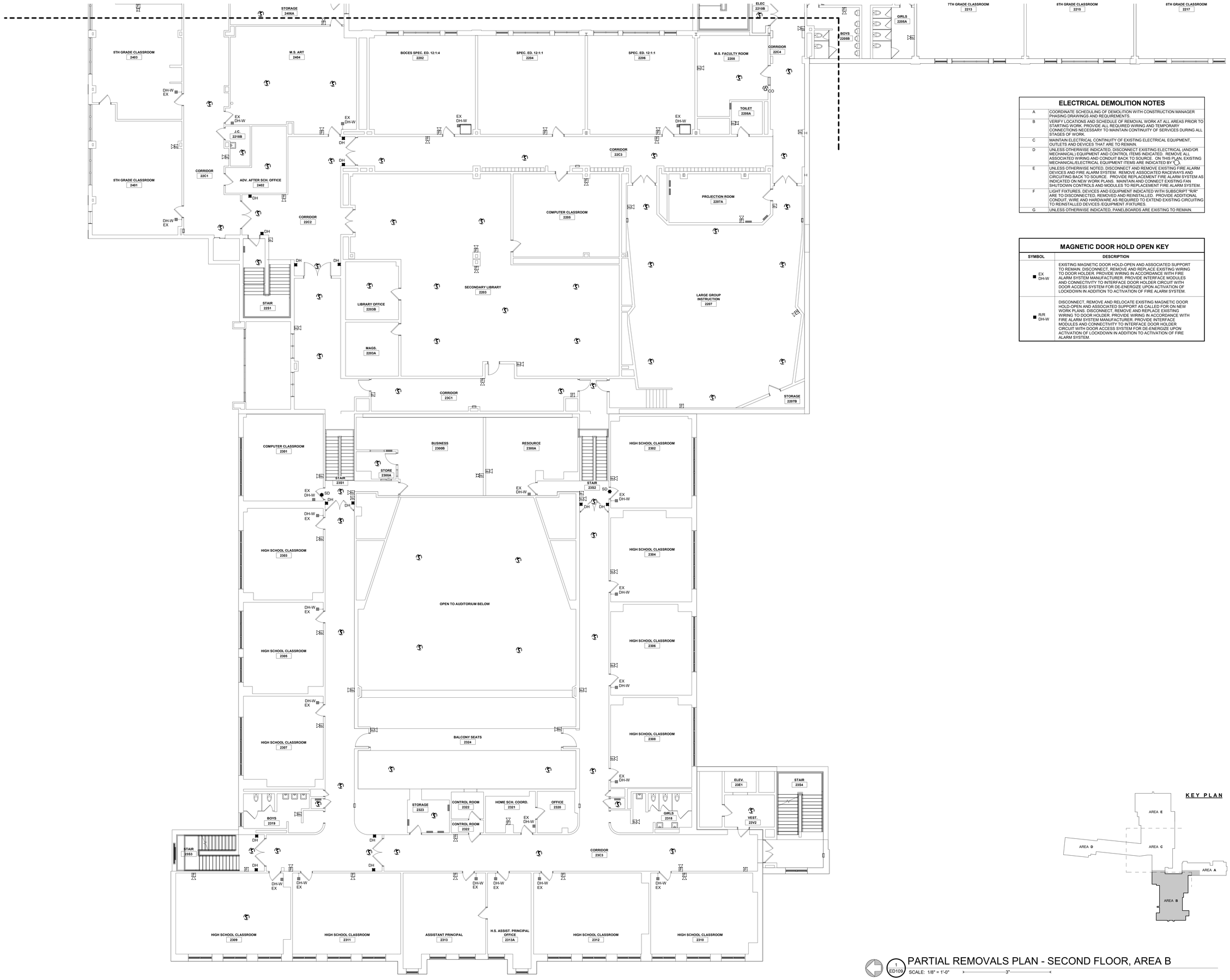
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	DHF
CHECKED BY	FJR/EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA A

DRAWING NO.
ED108



ELECTRICAL DEMOLITION NOTES

A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
B	VERIFY LOCATIONS AND SCHEDULE OF REMOVAL WORK AT ALL AREAS PRIOR TO STARTING WORK. PROVIDE ALL REQUIRED WIRING AND TEMPORARY CONNECTIONS NECESSARY TO MAINTAIN CONTINUITY OF SERVICES DURING ALL STAGES OF WORK.
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E	UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICES AND FIRE ALARM SYSTEM. REMOVE ASSOCIATED RACEWAYS AND CIRCUITING BACK TO SOURCE. PROVIDE REPLACEMENT FIRE ALARM SYSTEM AS INDICATED ON NEW WORK PLANS. MAINTAIN AND CONNECT EXISTING FAN SHUTDOWN CONTROLS AND MODULES TO REPLACEMENT FIRE ALARM SYSTEM.
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G	UNLESS OTHERWISE INDICATED, PANELBOARDS ARE EXISTING TO REMAIN.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
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KEY PLAN

1 ED109 PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA B

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

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fs#20013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
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CHECKED BY	FJR/EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA B

DRAWING NO.
ED109

ELECTRICAL DEMOLITION NOTES

A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
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G	UNLESS OTHERWISE INDICATED, PANELBOARDS ARE EXISTING TO REMAIN.

ELECTRICAL KEYED NOTES

ED2	IN THIS ROOM/SPACE, DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES, LIGHTING CONTROLS AND ALL ASSOCIATED CIRCUITING BACK TO SOURCE.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
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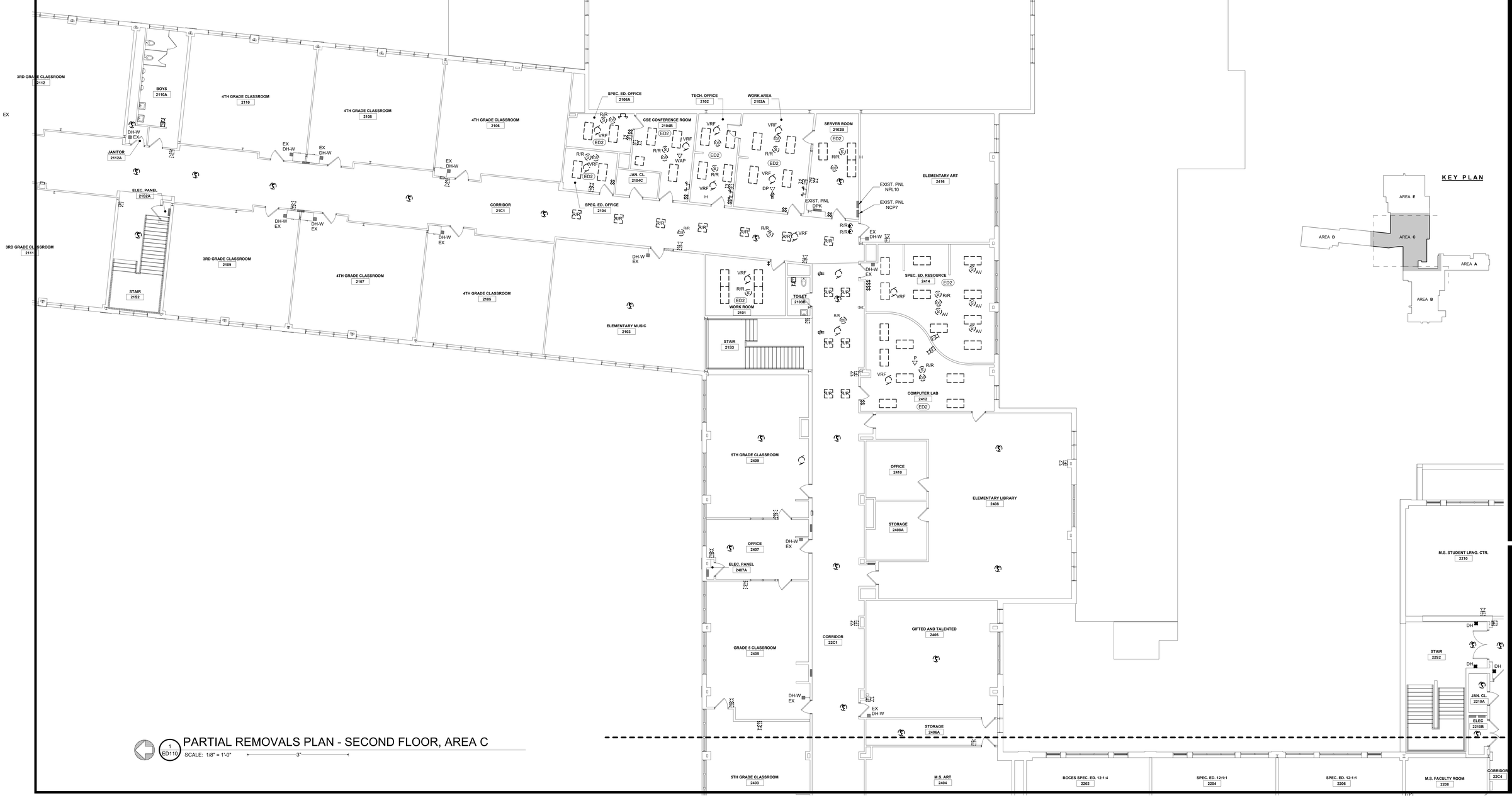

KEY PLAN

1 ED110 PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA C

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

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Fax: 315-471-4044
FS#22013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT

7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
E2			

REVISIONS

DATE	NOVEMBER 30, 2023
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CHECKED BY	FJR/EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA C

DRAWING NO.
ED110

ELECTRICAL DEMOLITION NOTES

A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
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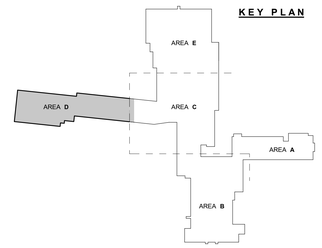
MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

KEY PLAN



PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA D

1 / ED111 SCALE: 1/8" = 1'-0" 3"

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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
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FS CERT. NO.: 0019642
FS EXP.: 01/31/2025

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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FS#20013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	DHF
CHECKED BY	FJR/EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL REMOVALS PLAN - SECOND FLOOR, AREA D

DRAWING NO.
ED111

ELECTRICAL DEMOLITION NOTES

A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
B	VERIFY LOCATIONS AND SCHEDULE OF REMOVAL WORK AT ALL AREAS PRIOR TO STARTING WORK. PROVIDE ALL REQUIRED WIRING AND TEMPORARY CONNECTIONS NECESSARY TO MAINTAIN CONTINUITY OF SERVICES DURING ALL STAGES OF WORK.
C	MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL EQUIPMENT, OUTLETS AND DEVICES THAT ARE TO REMAIN.
D	UNLESS OTHERWISE INDICATED, DISCONNECT EXISTING ELECTRICAL (AND/OR MECHANICAL) EQUIPMENT AND CONTROL ITEMS INDICATED. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. ON THIS PLAN, EXISTING MECHANICAL/ELECTRICAL EQUIPMENT ITEMS ARE INDICATED BY ⬡.
E	UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICES AND FIRE ALARM SYSTEM. REMOVE ASSOCIATED RACEWAYS AND CIRCUITING BACK TO SOURCE. PROVIDE REPLACEMENT FIRE ALARM SYSTEM AS INDICATED ON NEW WORK PLANS. MAINTAIN AND CONNECT EXISTING FAN SHUTDOWN CONTROLS AND MODULES TO REPLACEMENT FIRE ALARM SYSTEM.
F	LIGHT FIXTURES, DEVICES AND EQUIPMENT INDICATED WITH SUBSCRIPT "R/R" ARE TO DISCONNECTED, REMOVED AND REINSTALLED. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO REINSTALLED DEVICES /EQUIPMENT /FIXTURES.
G	UNLESS OTHERWISE INDICATED, PANELBOARDS ARE EXISTING TO REMAIN.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
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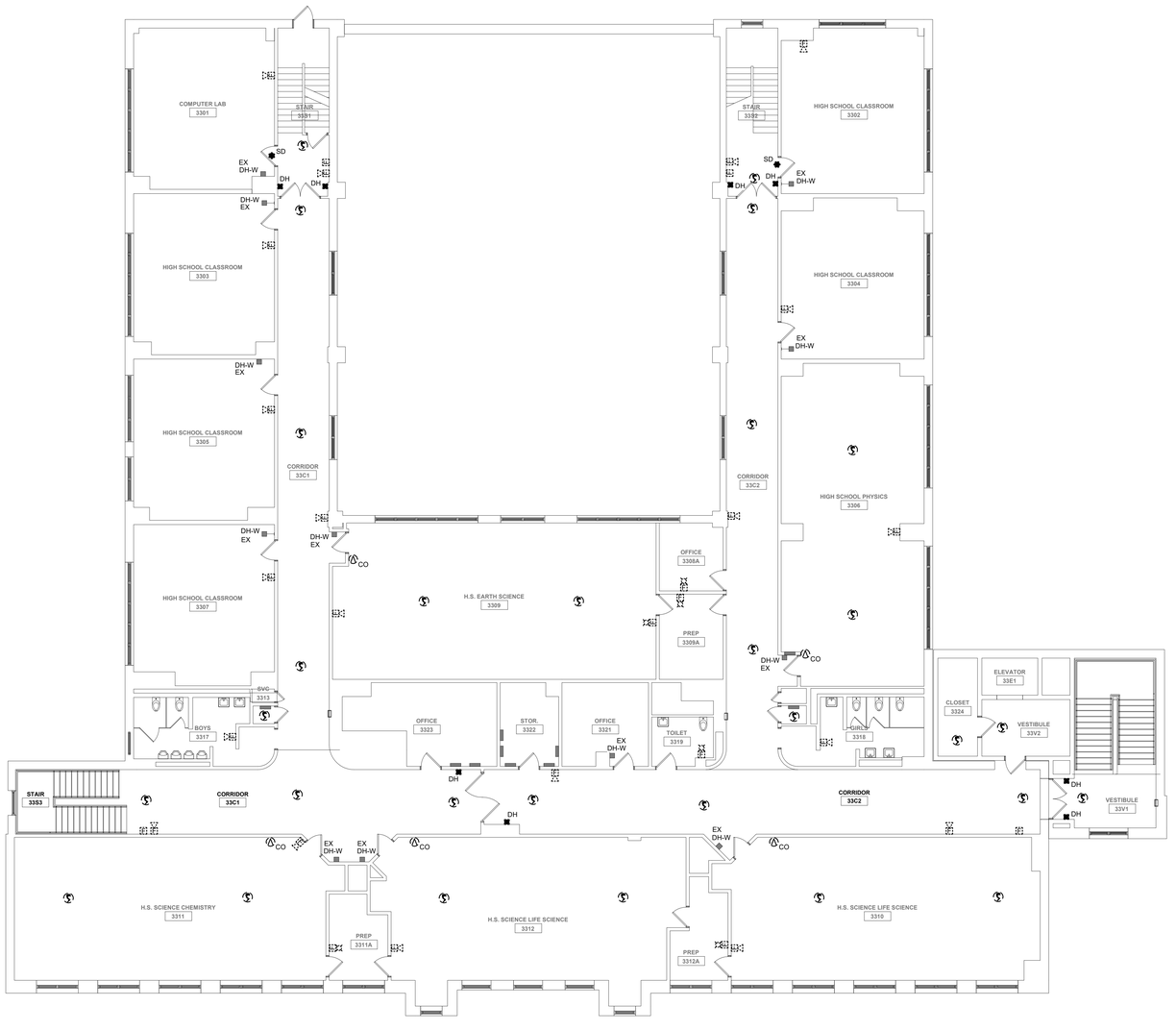

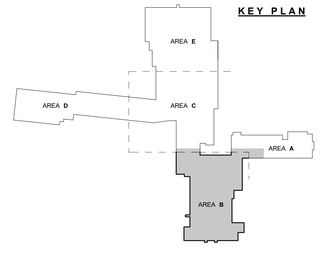

1 ED113 PARTIAL REMOVALS PLAN - THIRD FLOOR, AREA B
SCALE: 1/8" = 1'-0"

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ARCHITECTS & PLANNERS, PC
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FS ENGINEERING, DPC
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSKD013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	DHF
CHECKED BY	FJR/EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL REMOVALS PLAN - THIRD FLOOR, AREA B

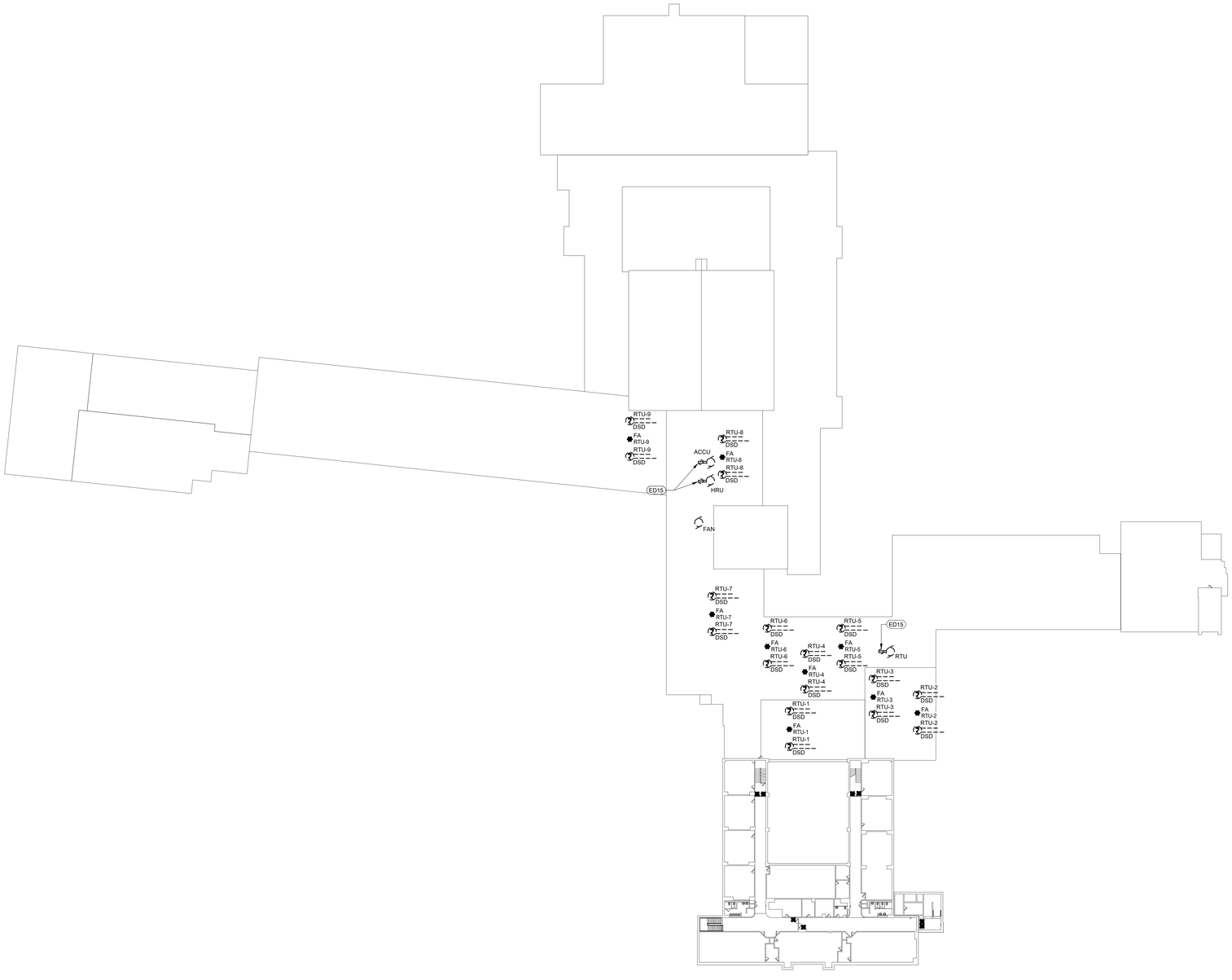
DRAWING NO.
ED113

ELECTRICAL DEMOLITION NOTES

A	COORDINATE SCHEDULING OF DEMOLITION WITH CONSTRUCTION MANAGER PHASING DRAWINGS AND REQUIREMENTS.
B	VERIFY LOCATIONS AND SCHEDULE OF REMOVAL WORK AT ALL AREAS PRIOR TO STARTING WORK. PROVIDE ALL REQUIRED WIRING AND TEMPORARY CONNECTIONS NECESSARY TO MAINTAIN CONTINUITY OF SERVICES DURING ALL STAGES OF WORK.
C	MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL EQUIPMENT, OUTLETS AND DEVICES THAT ARE TO REMAIN.
D	UNLESS OTHERWISE INDICATED, DISCONNECT EXISTING ELECTRICAL (AND/OR MECHANICAL) EQUIPMENT AND CONTROL ITEMS INDICATED. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. ON THIS PLAN, EXISTING MECHANICAL/ELECTRICAL EQUIPMENT ITEMS ARE INDICATED BY (X).
E	UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICES AND FIRE ALARM SYSTEM. REMOVE ASSOCIATED RACEWAYS AND CIRCUITING BACK TO SOURCE. PROVIDE REPLACEMENT FIRE ALARM SYSTEM AS INDICATED ON NEW WORK PLANS. MAINTAIN AND CONNECT EXISTING FAN SHUTDOWN CONTROLS AND MODULES TO REPLACEMENT FIRE ALARM SYSTEM.
F	LIGHT FIXTURES, DEVICES AND EQUIPMENT INDICATED WITH SUBSCRIPT "R/R" ARE TO DISCONNECTED, REMOVED AND REINSTALLED. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING TO REINSTALLED DEVICES /EQUIPMENT /FIXTURES.
G	UNLESS OTHERWISE INDICATED, PANELBOARDS ARE EXISTING TO REMAIN.

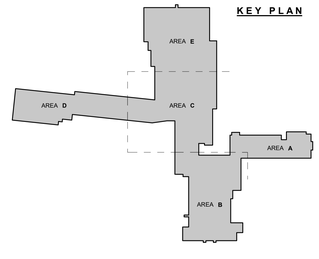
ELECTRICAL KEYED NOTES

ED15	EXISTING SEPARATELY FED SERVICE RECEPTACLE FOR ROOF EQUIPMENT. DISCONNECT AND REMOVE EXISTING RECEPTACLE. MAINTAIN EXISTING CIRCUITING AND EXTEND TO NEW RECPTACLE AT REPLACEMENT MECHANICAL EQUIPMENT. REFER TO ELECTRICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.



1 ED114 REMOVALS PLAN - ROOF
SCALE: 1/32" = 1'-0"

KEY PLAN



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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSE0013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT

7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

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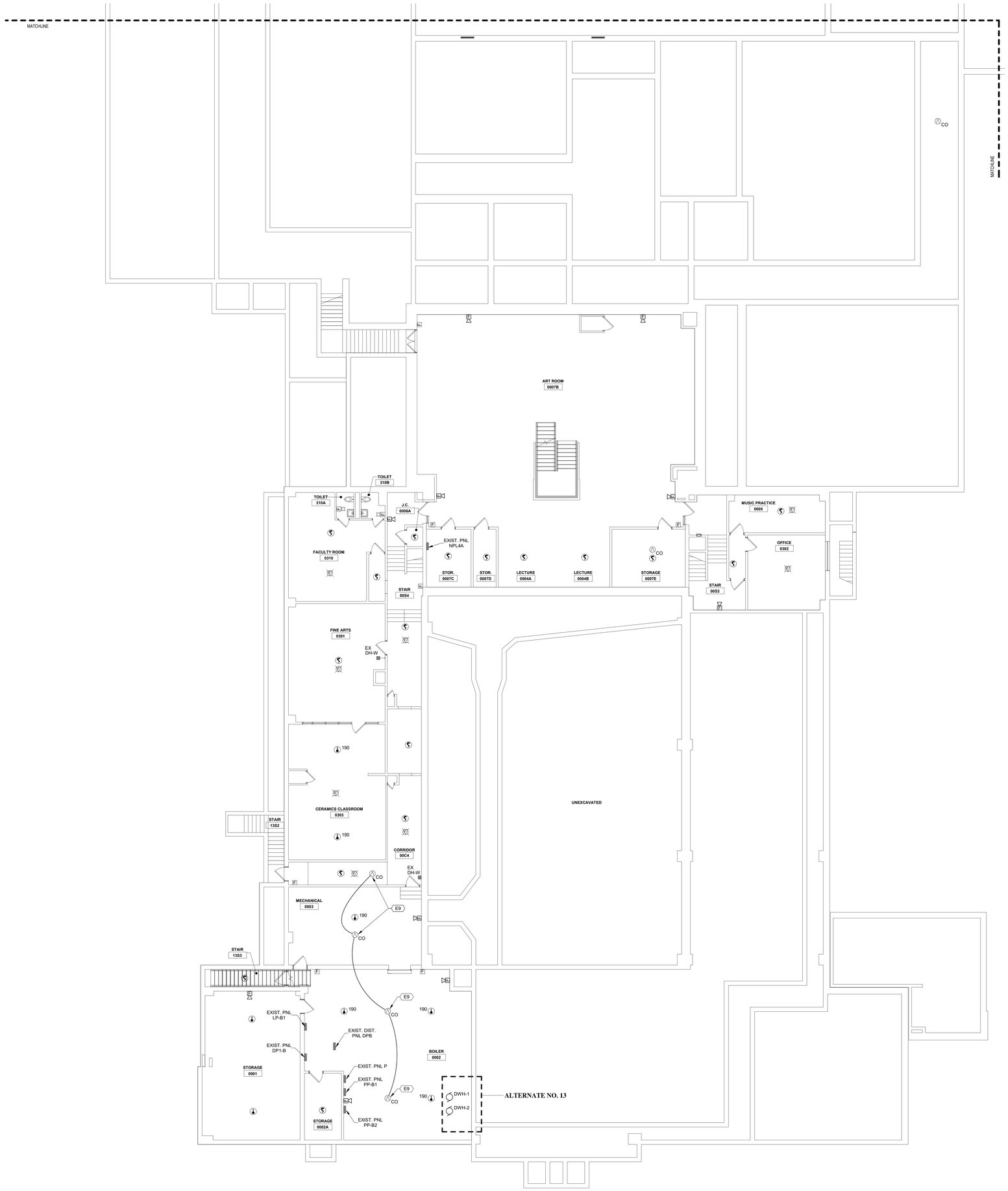
SCALE	1/32" = 1'-0"
PROJECT NO.	2194.1

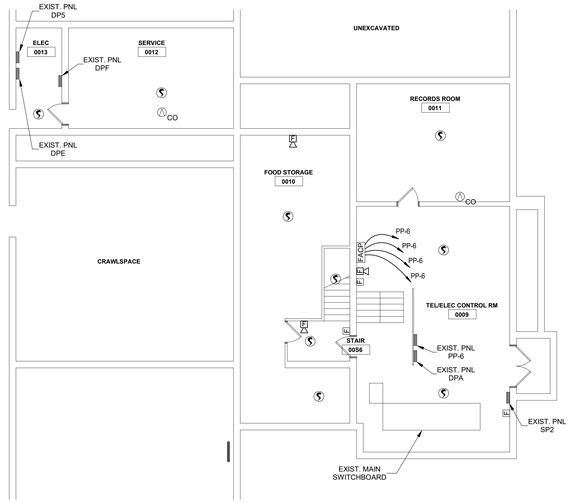
DRAWING TITLE
REMOVALS PLAN - ROOF

DRAWING NO.
ED114



2 E101 PARTIAL PLAN - GROUND FLOOR, AREA C

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



1 E101 PARTIAL PLAN - GROUND FLOOR, AREA B

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

ELECTRICAL GENERAL NOTES

A	VERIFY EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT AND ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
B	PROVIDE SEPARATE NEUTRAL AND GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT INDICATED.
C	UNLESS OTHERWISE INDICATED, AT ROOMS/LOCATIONS WHERE DIMMING SWITCHES ARE INDICATED PROVIDE 0-10V DIMMING / LIGHTING CONTROL COORDINATE THE 0-10V DIMMING CONTROL WITH THE 0-10V LED DRIVERS AT LIGHT FIXTURES.
D	CONCEAL ALL ADDED CONDUIT, EXPOSED CONDUIT INSTALLATION IS UNACCEPTABLE UNLESS PRIOR APPROVAL IS GIVEN BY ARCHITECT. ANY EXPOSED CONDUIT INSTALLATION SHALL BE PAINTED TO MATCH ADJACENT WALL FINISH.
E	UNLESS OTHERWISE INDICATED, CIRCUIT EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.
F	UNLESS OTHERWISE INDICATED, CIRCUIT EMERGENCY BATTERY LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.

ELECTRICAL KEYED NOTES

E9	PROVIDE CIRCUITING AND CONNECTION BETWEEN CARBON MONOXIDE DETECTORS TO PROVIDE ALARM ANNUNCIATION AND AUDIBLE SIGNALING TO EACH DEVICE REGARDLESS OF WHICH DETECTOR IS ACTIVATED.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

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ARCHITECTS & PLANNERS, PC
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ELIZABETH P. FISHER
LICENSED PROFESSIONAL ENGINEER
096095

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FS EXP.: 01/31/2025

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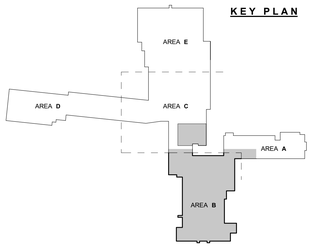
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
fs902013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT

7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

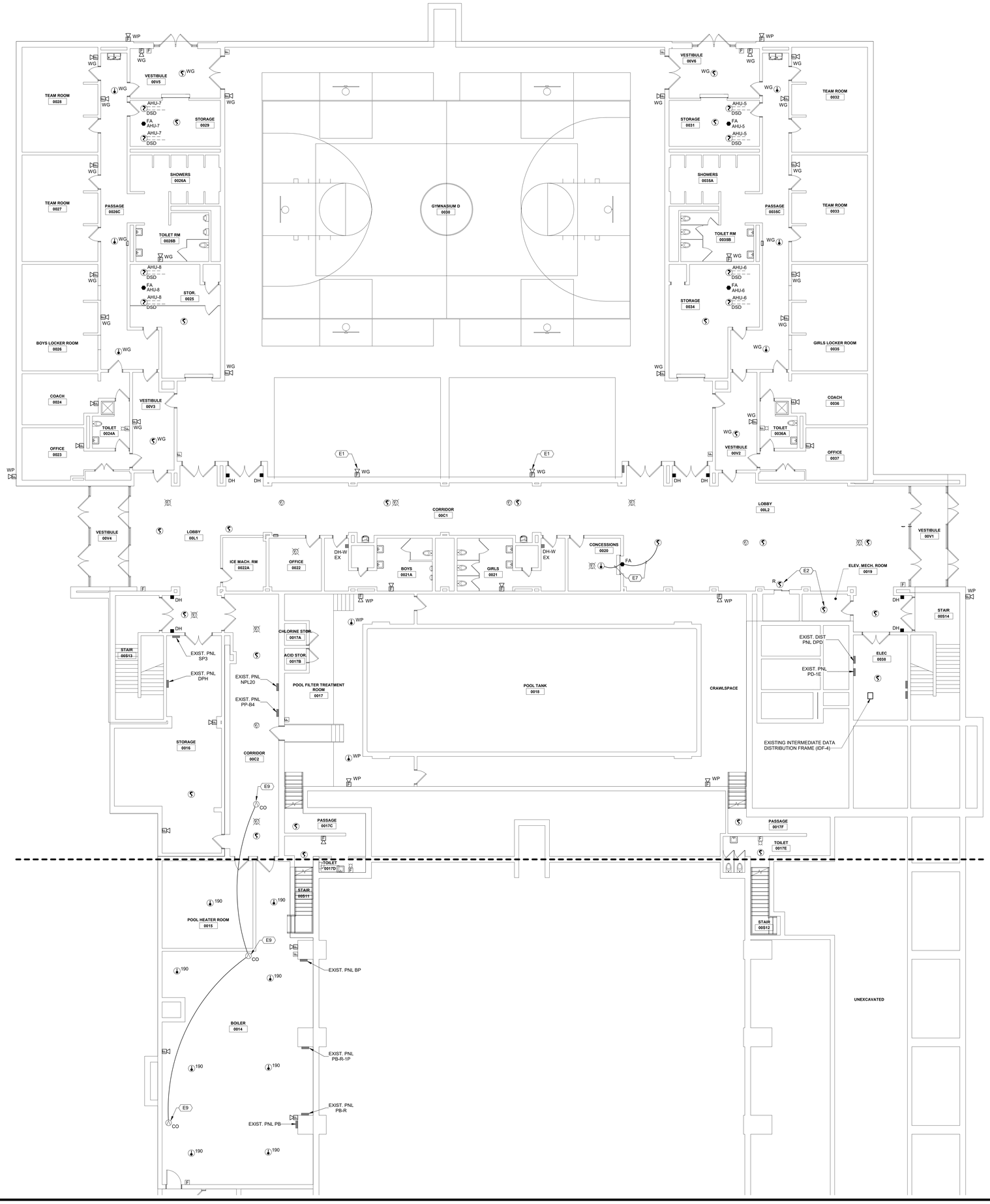
KEY PLAN



NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DHF		
CHECKED BY	FJR/EPF		
SCALE	1/8" = 1'-0"		
PROJECT NO.	2194.1		

DRAWING TITLE
PARTIAL PLAN - GROUND FLOOR, AREA B

DRAWING NO.
E101



ELECTRICAL GENERAL NOTES

A	VERIFY EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT AND ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
B	PROVIDE SEPARATE NEUTRAL AND GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT INDICATED.
C	UNLESS OTHERWISE INDICATED, AT ROOMS/LOCATIONS WHERE DIMMING SWITCHES ARE INDICATED PROVIDE 0-10V DIMMING / LIGHTING CONTROL. COORDINATE THE 0-10V DIMMING CONTROL WITH THE 0-10V LED DRIVERS AT LIGHT FIXTURES.
D	CONCEAL ALL ADDED CONDUIT. EXPOSED CONDUIT INSTALLATION IS UNACCEPTABLE UNLESS PRIOR APPROVAL IS GIVEN BY ARCHITECT. ANY EXPOSED CONDUIT INSTALLATION SHALL BE PAINTED TO MATCH ADJACENT WALL FINISH.
E	UNLESS OTHERWISE INDICATED, CIRCUIT EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.
F	UNLESS OTHERWISE INDICATED, CIRCUIT EMERGENCY BATTERY LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.

ELECTRICAL KEYED NOTES

E1	MOUNT 96" ABOVE TOP BLEACHER.
E2	REFER TO ELEVATOR DETAIL ON DRAWING E0.01 FOR FIRE ALARM INSTALLATION.
E7	PROVIDE FIRE ALARM CIRCUITING TO OVERHEAD COILING DOOR FROM FIRE ALARM PANEL VIA CONTACTS AT ADJACENT DETECTORS.
E9	PROVIDE CIRCUITING AND CONNECTION BETWEEN CARBON MONOXIDE DETECTORS TO PROVIDE ALARM ANNUNCIATION AND AUDIBLE SIGNALING TO EACH DEVICE REGARDLESS OF WHICH DETECTOR IS ACTIVATED.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
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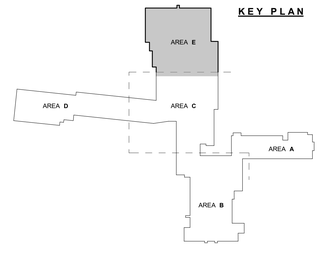
KEY PLAN



1 / E102 PARTIAL PLAN - GROUND FLOOR, AREA E

SCALE: 1/8" = 1'-0" — 3"

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258 Genesee Street, Suite 300
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LOWVILLE ACADEMY & CENTRAL SCHOOL
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CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

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DATE	NOVEMBER 30, 2023		
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CHECKED BY	FJR/EPF		
SCALE	1/8" = 1'-0"		
PROJECT NO.	2194.1		

DRAWING TITLE
PARTIAL PLAN - GROUND FLOOR, AREA E

DRAWING NO.
E102

ELECTRICAL GENERAL NOTES

A	VERIFY EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT AND ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
B	PROVIDE SEPARATE NEUTRAL AND GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT INDICATED.
C	UNLESS OTHERWISE INDICATED, AT ROOMS/LOCATIONS WHERE DIMMING SWITCHES ARE INDICATED PROVIDE 0-10V DIMMING / LIGHTING CONTROL. COORDINATE THE 0-10V DIMMING CONTROL WITH THE 0-10V LED DRIVERS AT LIGHT FIXTURES.
D	CONCEAL ALL ADDED CONDUIT. EXPOSED CONDUIT INSTALLATION IS UNACCEPTABLE UNLESS PRIOR APPROVAL IS GIVEN BY ARCHITECT. ANY EXPOSED CONDUIT INSTALLATION SHALL BE PAINTED TO MATCH ADJACENT WALL FINISH.
E	UNLESS OTHERWISE INDICATED, CIRCUIT EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.
F	UNLESS OTHERWISE INDICATED, CIRCUIT EMERGENCY BATTERY LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.

ELECTRICAL KEYED NOTES

E9	PROVIDE CIRCUITING AND CONNECTION BETWEEN CARBON MONOXIDE DETECTORS TO PROVIDE ALARM ANNUNCIATION AND AUDIBLE SIGNALING TO EACH DEVICE REGARDLESS OF WHICH DETECTOR IS ACTIVATED.

MAGNETIC DOOR HOLD OPEN KEY

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1 E103 PARTIAL PLAN - FIRST FLOOR, AREA A

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

KEY PLAN

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ARCHITECTS & PLANNERS, PC
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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044

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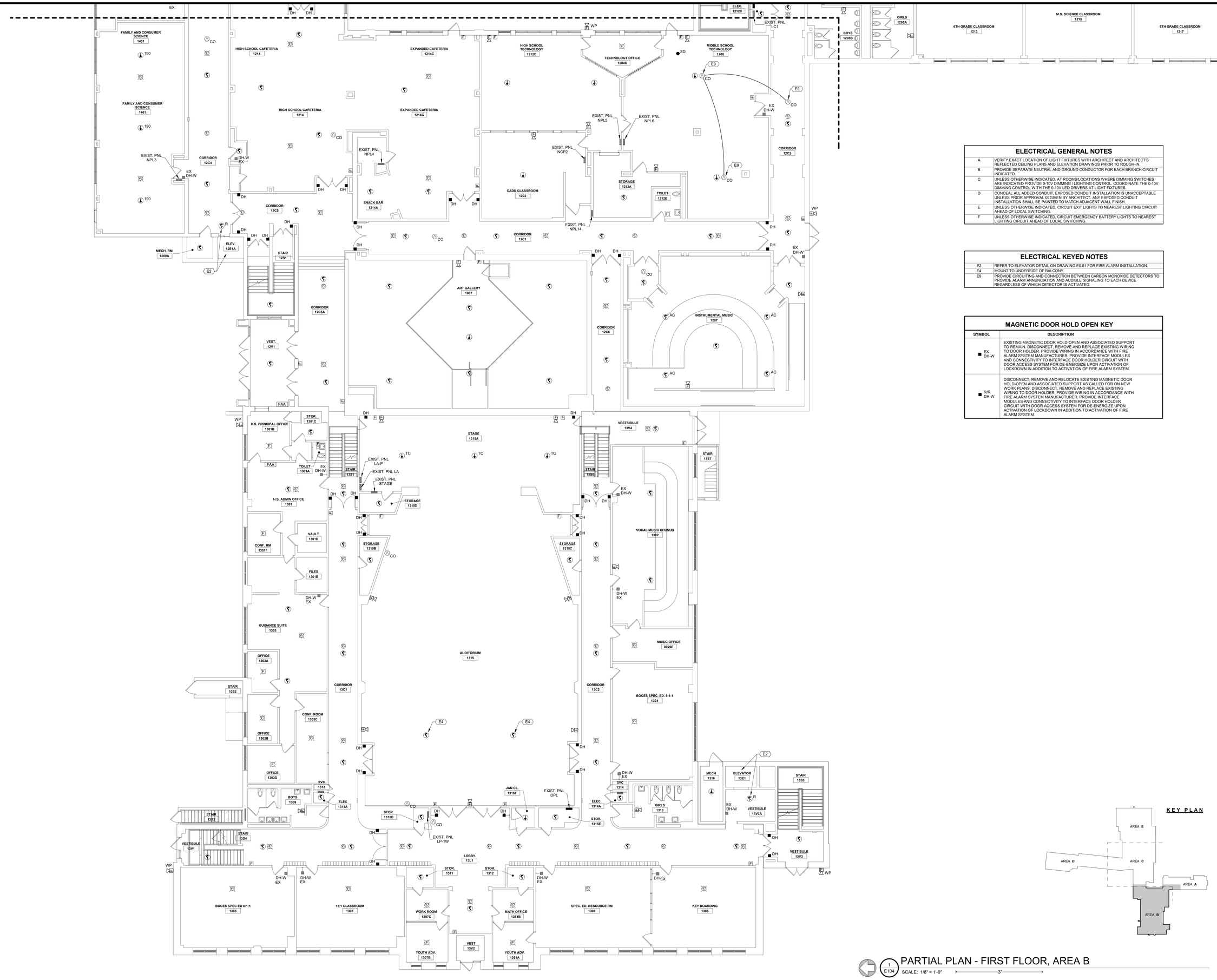
DRAWING TITLE
PARTIAL PLAN - FIRST FLOOR, AREA A

DRAWING NO.
E103



ELECTRICAL GENERAL NOTES

A	VERIFY EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT AND ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
B	PROVIDE SEPARATE NEUTRAL AND GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT INDICATED.
C	UNLESS OTHERWISE INDICATED, AT ROOMS/LOCATIONS WHERE DIMMING SWITCHES ARE INDICATED PROVIDE 0-10V DIMMING / LIGHTING CONTROL. COORDINATE THE 0-10V DIMMING CONTROL WITH THE 0-10V LED DRIVERS AT LIGHT FIXTURES.
D	CONCEAL ALL ADDED CONDUIT, EXPOSED CONDUIT INSTALLATION IS UNACCEPTABLE UNLESS PRIOR APPROVAL IS GIVEN BY ARCHITECT. ANY EXPOSED CONDUIT INSTALLATION SHALL BE PAINTED TO MATCH ADJACENT WALL FINISH.
E	UNLESS OTHERWISE INDICATED, CIRCUIT EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.
F	UNLESS OTHERWISE INDICATED, CIRCUIT EMERGENCY BATTERY LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.

ELECTRICAL KEYED NOTES

E2	REFER TO ELEVATOR DETAIL ON DRAWING E0.01 FOR FIRE ALARM INSTALLATION.
E4	MOUNT TO UNDERSIDE OF BALCONY.
E9	PROVIDE CIRCUITING AND CONNECTION BETWEEN CARBON MONOXIDE DETECTORS TO PROVIDE ALARM ANNUNCIATION AND AUDIBLE SIGNALING TO EACH DEVICE REGARDLESS OF WHICH DETECTOR IS ACTIVATED.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

KEY PLAN

1 / E104 PARTIAL PLAN - FIRST FLOOR, AREA B
SCALE: 1/8" = 1'-0"

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ARCHITECTS & PLANNERS, PC
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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT

7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DHF		
CHECKED BY	FJR/EPF		
SCALE	1/8" = 1'-0"		
PROJECT NO.	2104.1		

DRAWING TITLE
PARTIAL PLAN - FIRST FLOOR, AREA B

DRAWING NO.
E104

ELECTRICAL GENERAL NOTES

A	VERIFY EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT AND ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
B	PROVIDE SEPARATE NEUTRAL AND GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT INDICATED.
C	UNLESS OTHERWISE INDICATED, AT ROOMS/LOCATIONS WHERE DIMMING SWITCHES ARE INDICATED PROVIDE 0-10V DIMMING / LIGHTING CONTROL. COORDINATE THE 0-10V DIMMING CONTROL WITH THE 0-10V LED DRIVERS AT LIGHT FIXTURES.
D	CONCEAL ALL ADDED CONDUIT. EXPOSED CONDUIT INSTALLATION IS UNACCEPTABLE UNLESS PRIOR APPROVAL IS GIVEN BY ARCHITECT. ANY EXPOSED CONDUIT INSTALLATION SHALL BE PAINTED TO MATCH ADJACENT WALL FINISH.
E	UNLESS OTHERWISE INDICATED, CIRCUIT EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.
F	UNLESS OTHERWISE INDICATED, CIRCUIT EMERGENCY BATTERY LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.

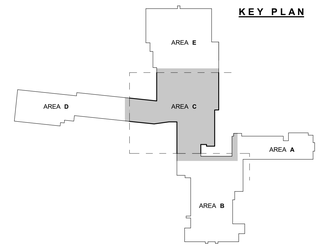
ELECTRICAL KEYED NOTES

E1	MOUNT 96" ABOVE TOP BLEACHER.
E3	EXTEND TO NEAREST EXISTING LIGHTING CIRCUIT.
E7	PROVIDE FIRE ALARM CIRCUITING TO OVERHEAD COILING DOOR FROM FIRE ALARM PANEL VIA CONTACTS AT ADJACENT DETECTORS.
E8	PROVIDE ADDRESSABLE MODULE, CIRCUITING AND CONNECTIVITY FROM FIRE ALARM SUPPRESSION SYSTEM TO MAIN FIRE ALARM CONTROL PANEL.
E9	PROVIDE CIRCUITING AND CONNECTION BETWEEN CARBON MONOXIDE DETECTORS TO PROVIDE ALARM ANNUNCIATION AND AUDIBLE SIGNALING TO EACH DEVICE REGARDLESS OF WHICH DETECTOR IS ACTIVATED.
E10	EXISTING PANEL NPL7, PROVIDE TWO (2) 20A-2P CIRCUIT BREAKERS TO MATCH EXISTING CIRCUIT BREAKERS.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

KEY PLAN



2 / E105 PARTIAL LIGHTING PLAN - FIRST FLOOR
SCALE: 1/8" = 1'-0" 3"

1 / E105 PARTIAL PLAN - FIRST FLOOR, AREA C
SCALE: 1/8" = 1'-0" 3"

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ARCHITECTS & PLANNERS, PC
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Utica, NY 13502
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FS ENGINEERING, DPC
721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
fsepc013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DHF		
CHECKED BY	FJR/EPF		
SCALE	1/8" = 1'-0"		
PROJECT NO.	2194.1		

DRAWING TITLE
PARTIAL PLAN - FIRST FLOOR, AREA C

DRAWING NO.
E105

ELECTRICAL GENERAL NOTES

A	VERIFY EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT AND ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
B	PROVIDE SEPARATE NEUTRAL AND GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT INDICATED.
C	UNLESS OTHERWISE INDICATED, AT ROOMS/LOCATIONS WHERE DIMMING SWITCHES ARE INDICATED PROVIDE 0-10V DIMMING / LIGHTING CONTROL. COORDINATE THE 0-10V DIMMING CONTROL WITH THE 0-10V LED DRIVERS AT LIGHT FIXTURES.
D	CONCEAL ALL ADDED CONDUIT. EXPOSED CONDUIT INSTALLATION IS UNACCEPTABLE UNLESS PRIOR APPROVAL IS GIVEN BY ARCHITECT. ANY EXPOSED CONDUIT INSTALLATION SHALL BE PAINTED TO MATCH ADJACENT WALL FINISH.
E	UNLESS OTHERWISE INDICATED, CIRCUIT EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.
F	UNLESS OTHERWISE INDICATED, CIRCUIT EMERGENCY BATTERY LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.

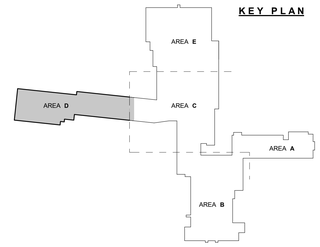
ELECTRICAL KEYED NOTES

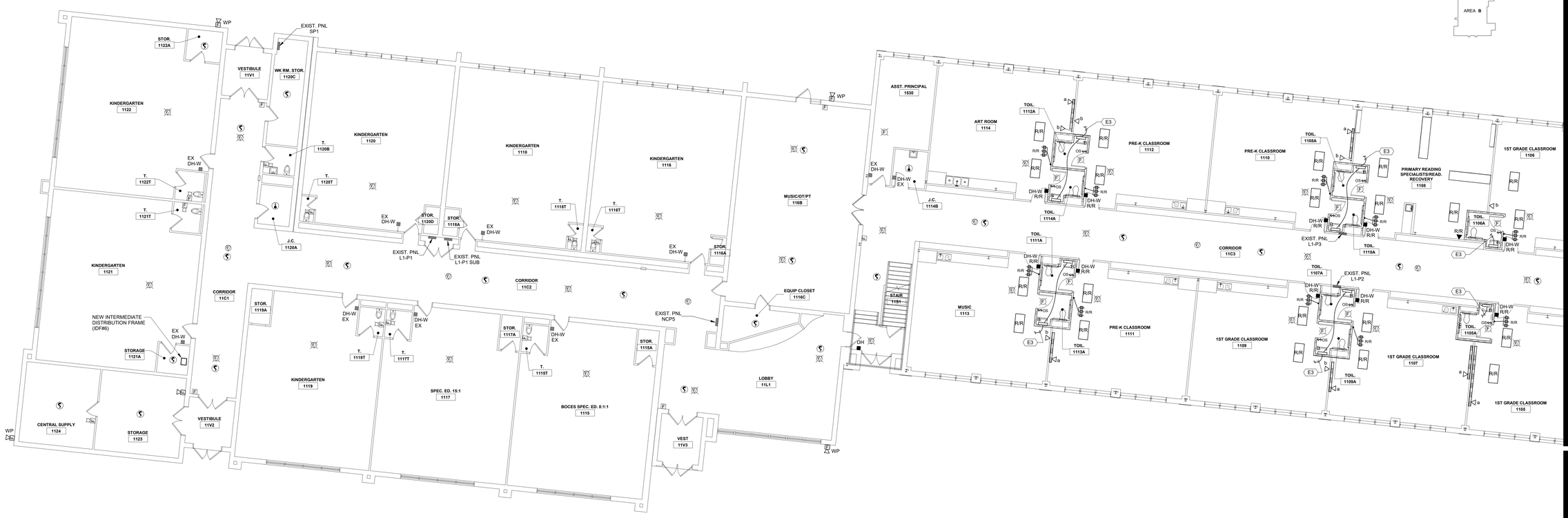
E3	EXTEND TO NEAREST EXISTING LIGHTING CIRCUIT.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

KEY PLAN





PARTIAL PLAN - FIRST FLOOR, AREA D

1 E106 SCALE: 1/8" = 1'-0" 3"

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Tel: 315-471-4013
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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	DHF
CHECKED BY	FJR/EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL PLAN - FIRST FLOOR, AREA D

DRAWING NO.
E106

ELECTRICAL GENERAL NOTES

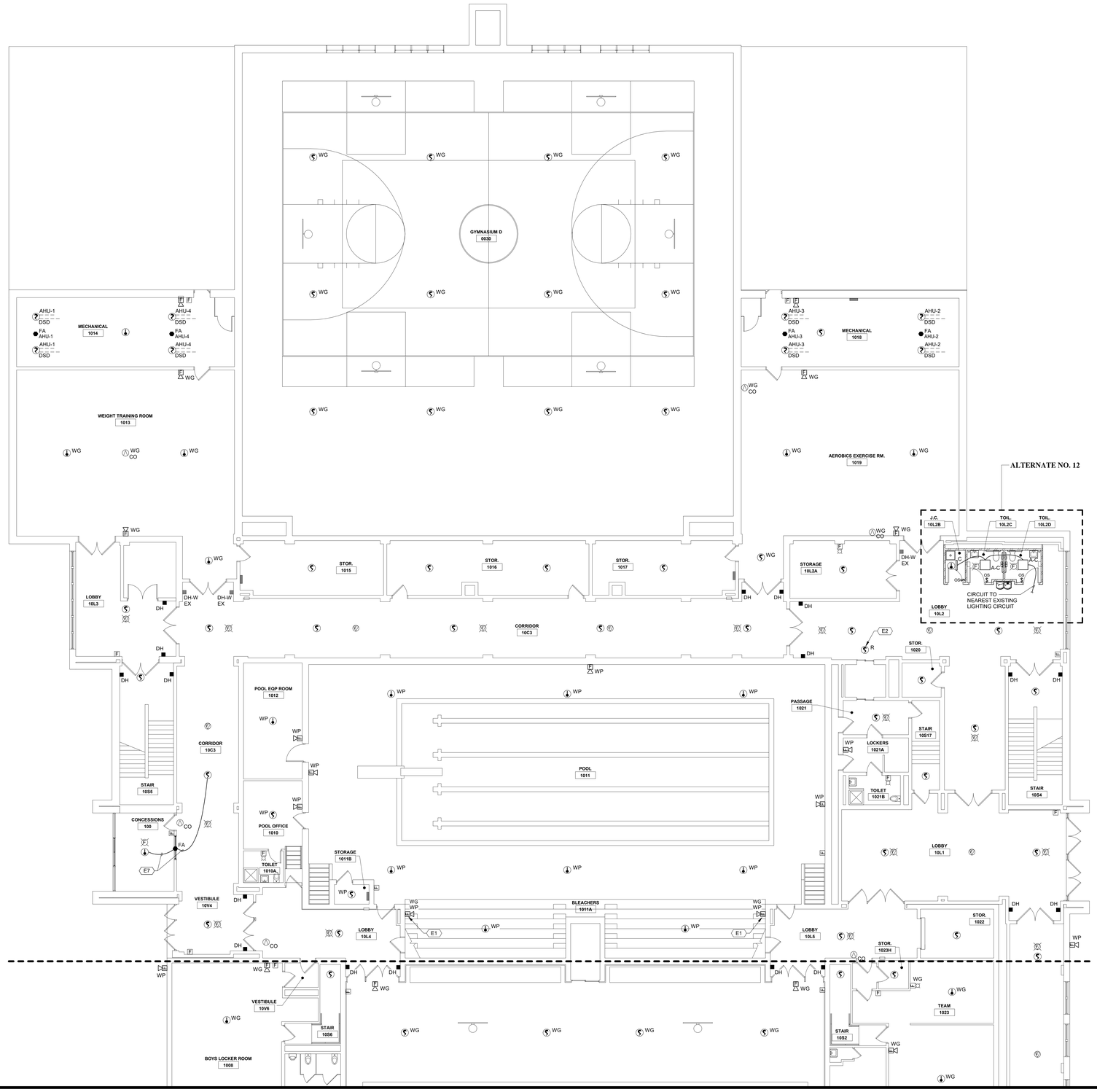
A	VERIFY EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT AND ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
B	PROVIDE SEPARATE NEUTRAL AND GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT INDICATED.
C	UNLESS OTHERWISE INDICATED, AT ROOMS/LOCATIONS WHERE DIMMING SWITCHES ARE INDICATED PROVIDE 0-10V DIMMING / LIGHTING CONTROL. COORDINATE THE 0-10V DIMMING CONTROL WITH THE 0-10V LED DRIVERS AT LIGHT FIXTURES.
D	CONCEAL ALL ADDED CONDUIT. EXPOSED CONDUIT INSTALLATION IS UNACCEPTABLE UNLESS PRIOR APPROVAL IS GIVEN BY ARCHITECT. ANY EXPOSED CONDUIT INSTALLATION SHALL BE PAINTED TO MATCH ADJACENT WALL FINISH.
E	UNLESS OTHERWISE INDICATED, CIRCUIT EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.
F	UNLESS OTHERWISE INDICATED, CIRCUIT EMERGENCY BATTERY LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.

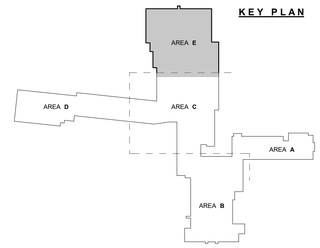
ELECTRICAL KEYED NOTES

E1	MOUNT 96" ABOVE TOP BLEACHER.
E2	REFER TO ELEVATOR DETAIL ON DRAWING E0.01 FOR FIRE ALARM INSTALLATION.
E7	PROVIDE FIRE ALARM CIRCUITING TO OVERHEAD COILING DOOR FROM FIRE ALARM PANEL VIA CONTACTS AT ADJACENT DETECTORS.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.





1 / E107 PARTIAL PLAN - FIRST FLOOR, AREA E
SCALE: 1/8" = 1'-0"

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Tel: 315-471-4013
Fax: 315-471-4044
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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	DHF
CHECKED BY	FJR/EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL PLAN - FIRST FLOOR, AREA E

DRAWING NO.
E107

ELECTRICAL GENERAL NOTES

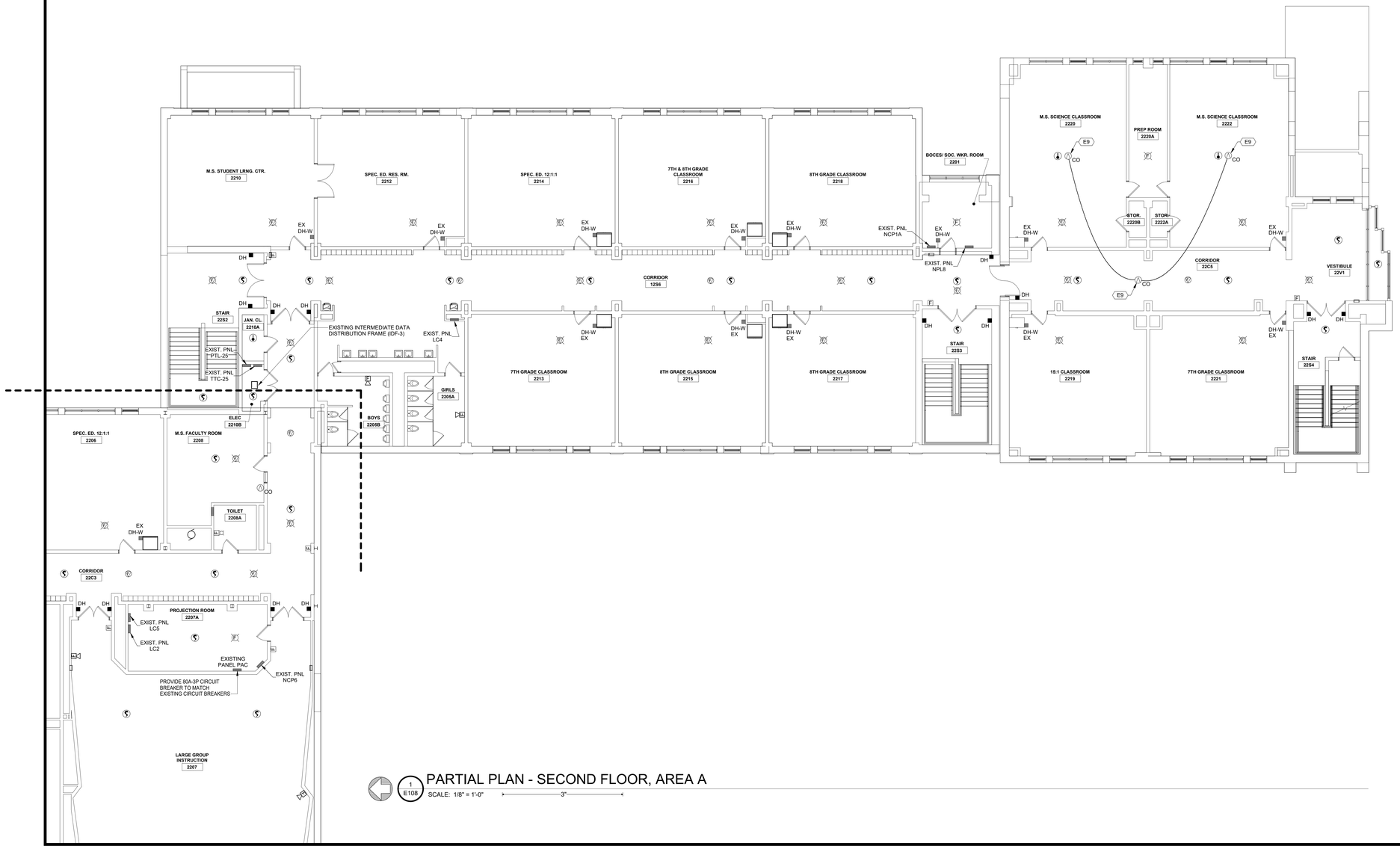
A	VERIFY EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT AND ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
B	PROVIDE SEPARATE NEUTRAL AND GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT INDICATED.
C	UNLESS OTHERWISE INDICATED, AT ROOMS/LOCATIONS WHERE DIMMING SWITCHES ARE INDICATED PROVIDE 0-10V DIMMING / LIGHTING CONTROL. COORDINATE THE 0-10V DIMMING CONTROL WITH THE 0-10V LED DRIVERS AT LIGHT FIXTURES.
D	CONCEAL ALL ADDED CONDUIT, EXPOSED CONDUIT INSTALLATION IS UNACCEPTABLE UNLESS PRIOR APPROVAL IS GIVEN BY ARCHITECT. ANY EXPOSED CONDUIT INSTALLATION SHALL BE PAINTED TO MATCH ADJACENT WALL FINISH.
E	UNLESS OTHERWISE INDICATED, CIRCUIT EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.
F	UNLESS OTHERWISE INDICATED, CIRCUIT EMERGENCY BATTERY LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.

ELECTRICAL KEYED NOTES

E9	PROVIDE CIRCUITING AND CONNECTION BETWEEN CARBON MONOXIDE DETECTORS TO PROVIDE ALARM ANNUNCIATION AND AUDIBLE SIGNALING TO EACH DEVICE REGARDLESS OF WHICH DETECTOR IS ACTIVATED.

MAGNETIC DOOR HOLD OPEN KEY

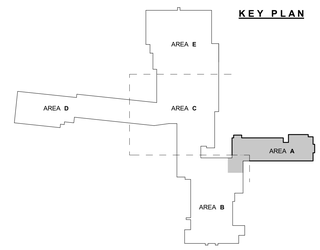
SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.



1 E108 PARTIAL PLAN - SECOND FLOOR, AREA A

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

KEY PLAN



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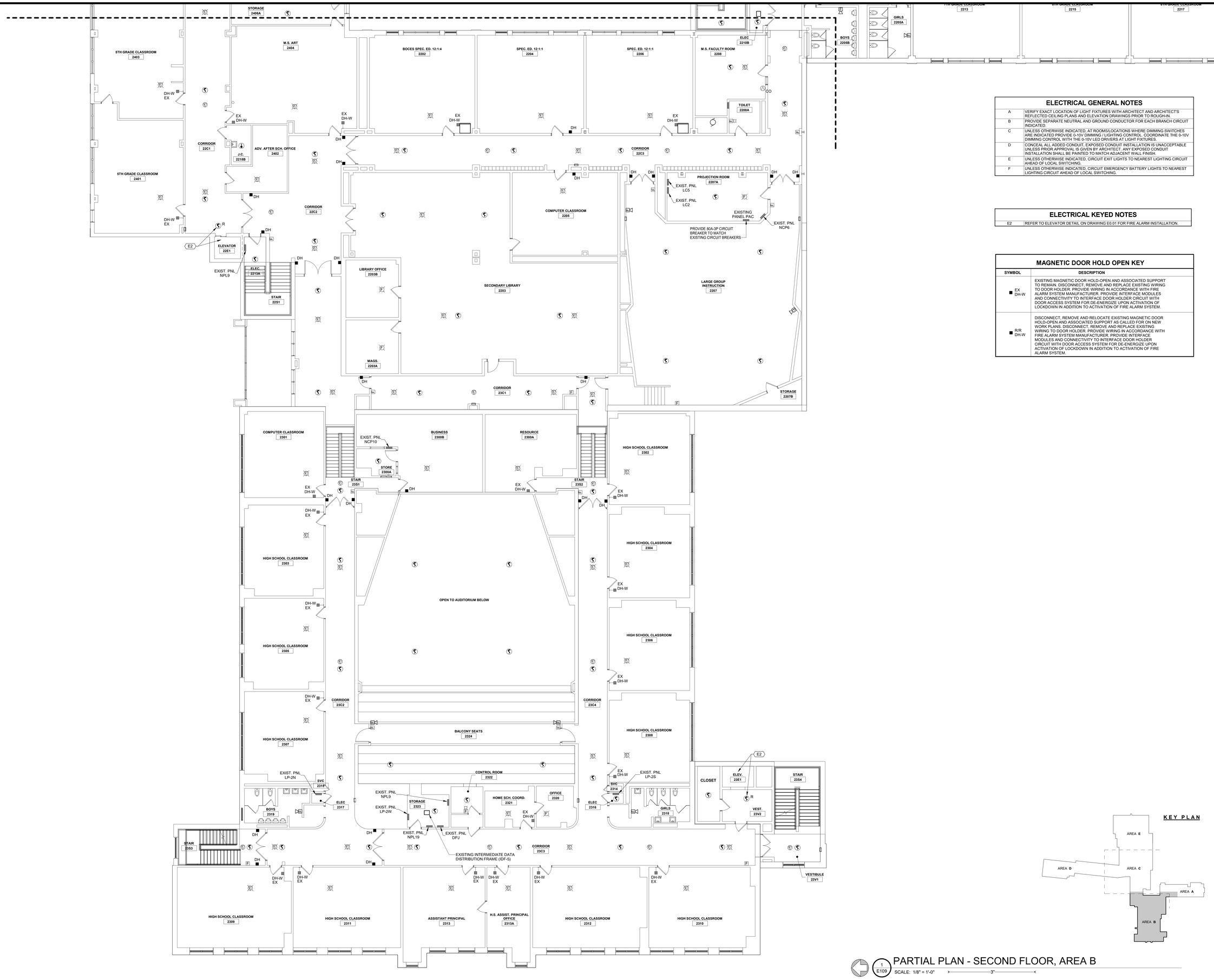
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	DHF
CHECKED BY	FJR/EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL PLAN - SECOND FLOOR, AREA A

DRAWING NO.
E108



ELECTRICAL GENERAL NOTES

A	VERIFY EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT AND ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
B	PROVIDE SEPARATE NEUTRAL AND GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT INDICATED.
C	UNLESS OTHERWISE INDICATED, AT ROOMS/LOCATIONS WHERE DIMMING SWITCHES ARE INDICATED PROVIDE 0-10V DIMMING / LIGHTING CONTROL. COORDINATE THE 0-10V DIMMING CONTROL WITH THE 0-10V LED DRIVERS AT LIGHT FIXTURES.
D	CONCEAL ALL ADDED CONDUIT, EXPOSED CONDUIT INSTALLATION IS UNACCEPTABLE UNLESS PRIOR APPROVAL IS GIVEN BY ARCHITECT. ANY EXPOSED CONDUIT INSTALLATION SHALL BE PAINTED TO MATCH ADJACENT WALL FINISH.
E	UNLESS OTHERWISE INDICATED, CIRCUIT EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.
F	UNLESS OTHERWISE INDICATED, CIRCUIT EMERGENCY BATTERY LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.

ELECTRICAL KEYED NOTES

E2	REFER TO ELEVATOR DETAIL ON DRAWING E0.01 FOR FIRE ALARM INSTALLATION.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

1 E109 PARTIAL PLAN - SECOND FLOOR, AREA B
SCALE: 1/8" = 1'-0"

KEY PLAN

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ARCHITECTS & PLANNERS, PC
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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
fs602013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

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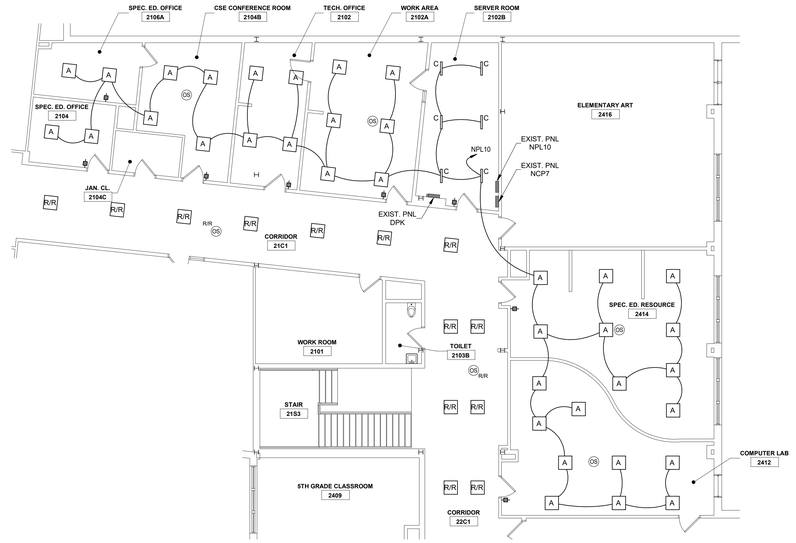
SCALE	1/8" = 1'-0"		
PROJECT NO.	2194.1		

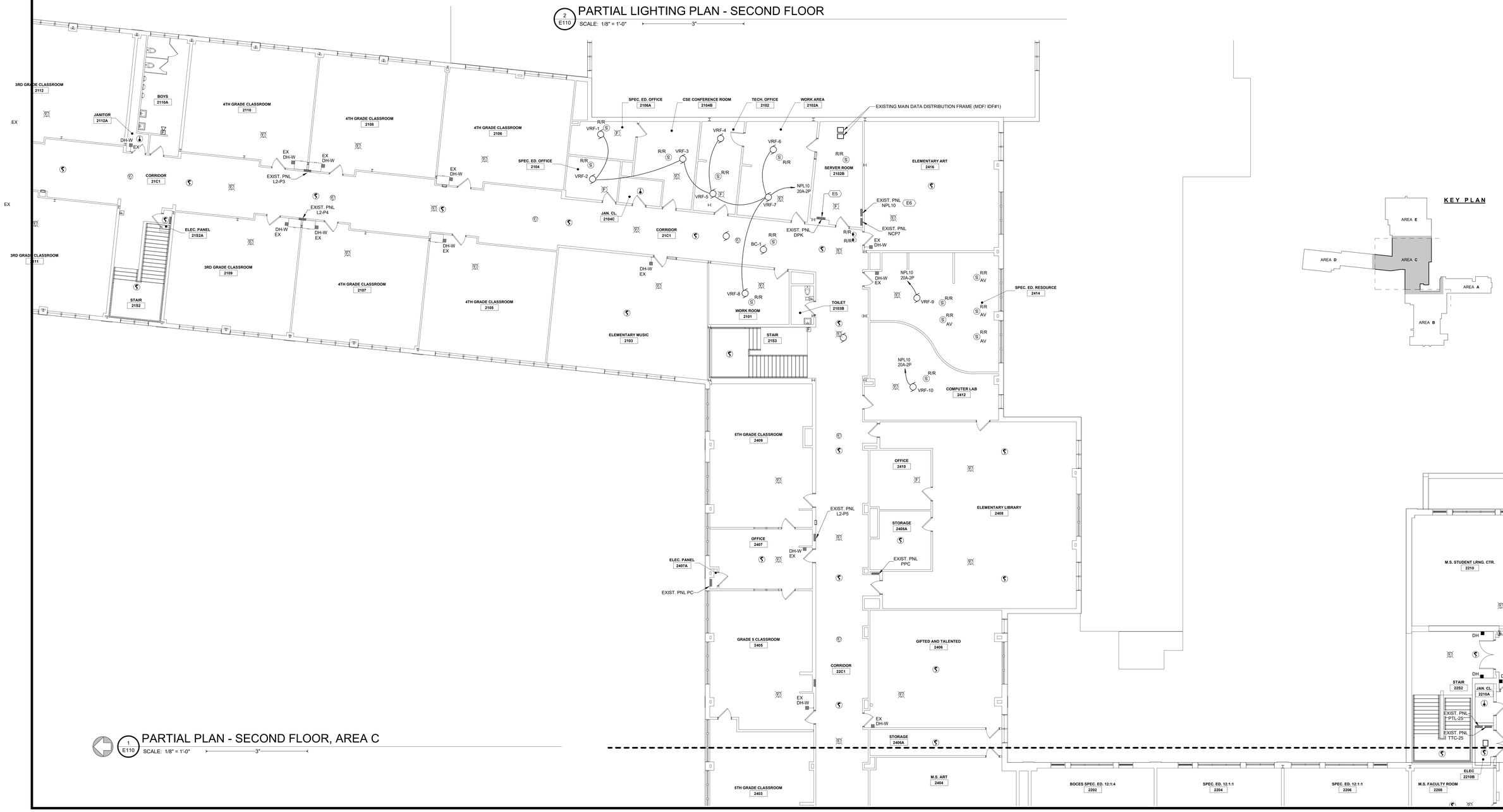
DRAWING TITLE
PARTIAL PLAN - SECOND FLOOR, AREA B

DRAWING NO.
E109



2 E110 PARTIAL LIGHTING PLAN - SECOND FLOOR

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



1 E110 PARTIAL PLAN - SECOND FLOOR, AREA C

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

ELECTRICAL GENERAL NOTES

A	VERIFY EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT AND ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
B	PROVIDE SEPARATE NEUTRAL AND GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT INDICATED.
C	UNLESS OTHERWISE INDICATED, AT ROOMS/LOCATIONS WHERE DIMMING SWITCHES ARE INDICATED PROVIDE 0-10V DIMMING / LIGHTING CONTROL. COORDINATE THE 0-10V DIMMING CONTROL WITH THE 0-10V LED DRIVERS AT LIGHT FIXTURES.
D	CONCEAL ALL ADDED CONDUIT. EXPOSED CONDUIT INSTALLATION IS UNACCEPTABLE UNLESS PRIOR APPROVAL IS GIVEN BY ARCHITECT. ANY EXPOSED CONDUIT INSTALLATION SHALL BE PAINTED TO MATCH ADJACENT WALL FINISH.
E	UNLESS OTHERWISE INDICATED, CIRCUIT EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.
F	UNLESS OTHERWISE INDICATED, CIRCUIT EMERGENCY BATTERY LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.

ELECTRICAL KEYED NOTES

E5	EXISTING PANEL DPK, PROVIDE A 60A-3P CIRCUIT BREAKER TO MATCH EXISTING CIRCUIT BREAKERS.
E6	EXISTING PANEL NPL10, PROVIDE FOUR (4) 20A-2P CIRCUIT BREAKERS TO MATCH EXISTING CIRCUIT BREAKERS.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

KEY PLAN

MARCH ASSOCIATES
ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.5344
marchassoc.com

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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
Fax: 315-471-4044
FSEO2013

LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

EX

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DHF		
CHECKED BY	FJR/EPF		
SCALE	1/8" = 1'-0"		
PROJECT NO.	2194.1		

DRAWING TITLE
PARTIAL PLAN - SECOND FLOOR, AREA C

DRAWING NO.
E110

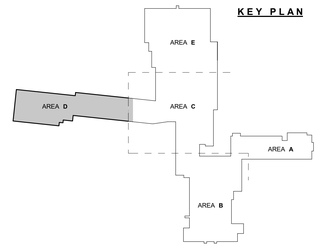
ELECTRICAL GENERAL NOTES

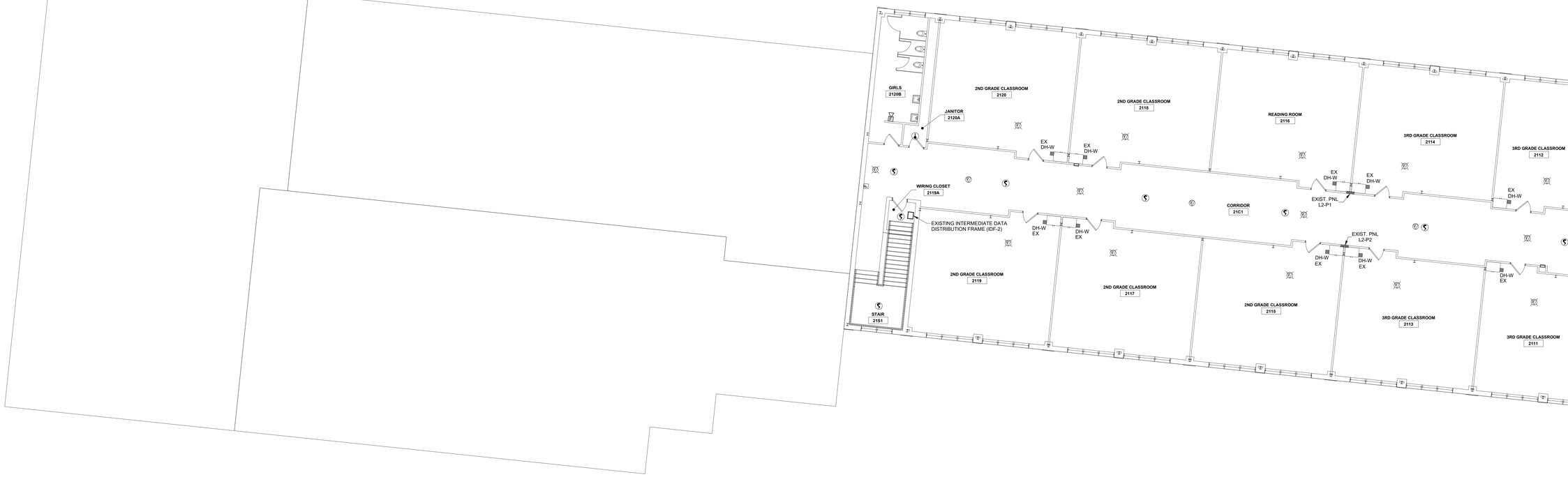
A	VERIFY EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT AND ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
B	PROVIDE SEPARATE NEUTRAL AND GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT INDICATED.
C	UNLESS OTHERWISE INDICATED, AT ROOMS/LOCATIONS WHERE DIMMING SWITCHES ARE INDICATED PROVIDE 0-10V DIMMING / LIGHTING CONTROL. COORDINATE THE 0-10V DIMMING CONTROL WITH THE 0-10V LED DRIVERS AT LIGHT FIXTURES.
D	CONCEAL ALL ADDED CONDUIT, EXPOSED CONDUIT INSTALLATION IS UNACCEPTABLE UNLESS PRIOR APPROVAL IS GIVEN BY ARCHITECT. ANY EXPOSED CONDUIT INSTALLATION SHALL BE PAINTED TO MATCH ADJACENT WALL FINISH.
E	UNLESS OTHERWISE INDICATED, CIRCUIT EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.
F	UNLESS OTHERWISE INDICATED, CIRCUIT EMERGENCY BATTERY LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
■ R/R DH-W	DISCONNECT, REMOVE AND RELOCATE EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT AS CALLED FOR ON NEW WORK PLANS. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.

KEY PLAN





1 E111 PARTIAL PLAN - SECOND FLOOR, AREA D

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

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ARCHITECTS & PLANNERS, PC
258 Genesee Street, Suite 300
Utica, NY 13502
315.733.5344
marchassoc.com

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STATE OF NEW YORK · ELIZABETH F. FISHER · LICENSED PROFESSIONAL ENGINEER · 096095

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721 E. Genesee Street
Syracuse, NY 13210
Tel: 315-471-4013
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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			

DATE	NOVEMBER 30, 2023
DRAWN BY	DHF
CHECKED BY	FJR/EPF
SCALE	1/8" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
PARTIAL PLAN - SECOND FLOOR, AREA D

DRAWING NO.
E111

ELECTRICAL GENERAL NOTES

A	VERIFY EXACT LOCATION OF LIGHT FIXTURES WITH ARCHITECT AND ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
B	PROVIDE SEPARATE NEUTRAL AND GROUND CONDUCTOR FOR EACH BRANCH CIRCUIT INDICATED.
C	UNLESS OTHERWISE INDICATED, AT ROOMS/LOCATIONS WHERE DIMMING SWITCHES ARE INDICATED PROVIDE 0-10V DIMMING / LIGHTING CONTROL. COORDINATE THE 0-10V DIMMING CONTROL WITH THE 0-10V LED DRIVERS AT LIGHT FIXTURES.
D	CONCEAL ALL ADDED CONDUIT. EXPOSED CONDUIT INSTALLATION IS UNACCEPTABLE UNLESS PRIOR APPROVAL IS GIVEN BY ARCHITECT. ANY EXPOSED CONDUIT INSTALLATION SHALL BE PAINTED TO MATCH ADJACENT WALL FINISH.
E	UNLESS OTHERWISE INDICATED, CIRCUIT EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.
F	UNLESS OTHERWISE INDICATED, CIRCUIT EMERGENCY BATTERY LIGHTS TO NEAREST LIGHTING CIRCUIT AHEAD OF LOCAL SWITCHING.

ELECTRICAL KEYED NOTES

E2	REFER TO ELEVATOR DETAIL ON DRAWING E0.01 FOR FIRE ALARM INSTALLATION.

MAGNETIC DOOR HOLD OPEN KEY

SYMBOL	DESCRIPTION
■ EX DH-W	EXISTING MAGNETIC DOOR HOLD-OPEN AND ASSOCIATED SUPPORT TO REMAIN. DISCONNECT, REMOVE AND REPLACE EXISTING WIRING TO DOOR HOLDER. PROVIDE WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER. PROVIDE INTERFACE MODULES AND CONNECTIVITY TO INTERFACE DOOR HOLDER CIRCUIT WITH DOOR ACCESS SYSTEM FOR DE-ENERGIZE UPON ACTIVATION OF LOCKDOWN IN ADDITION TO ACTIVATION OF FIRE ALARM SYSTEM.
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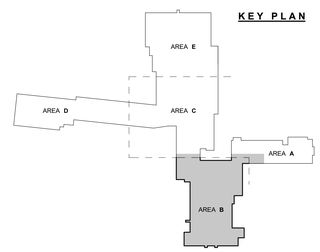

1 / E113 PARTIAL PLAN - THIRD FLOOR, AREA B

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

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258 Genesee Street, Suite 300
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096005
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Fax: 315-471-4044
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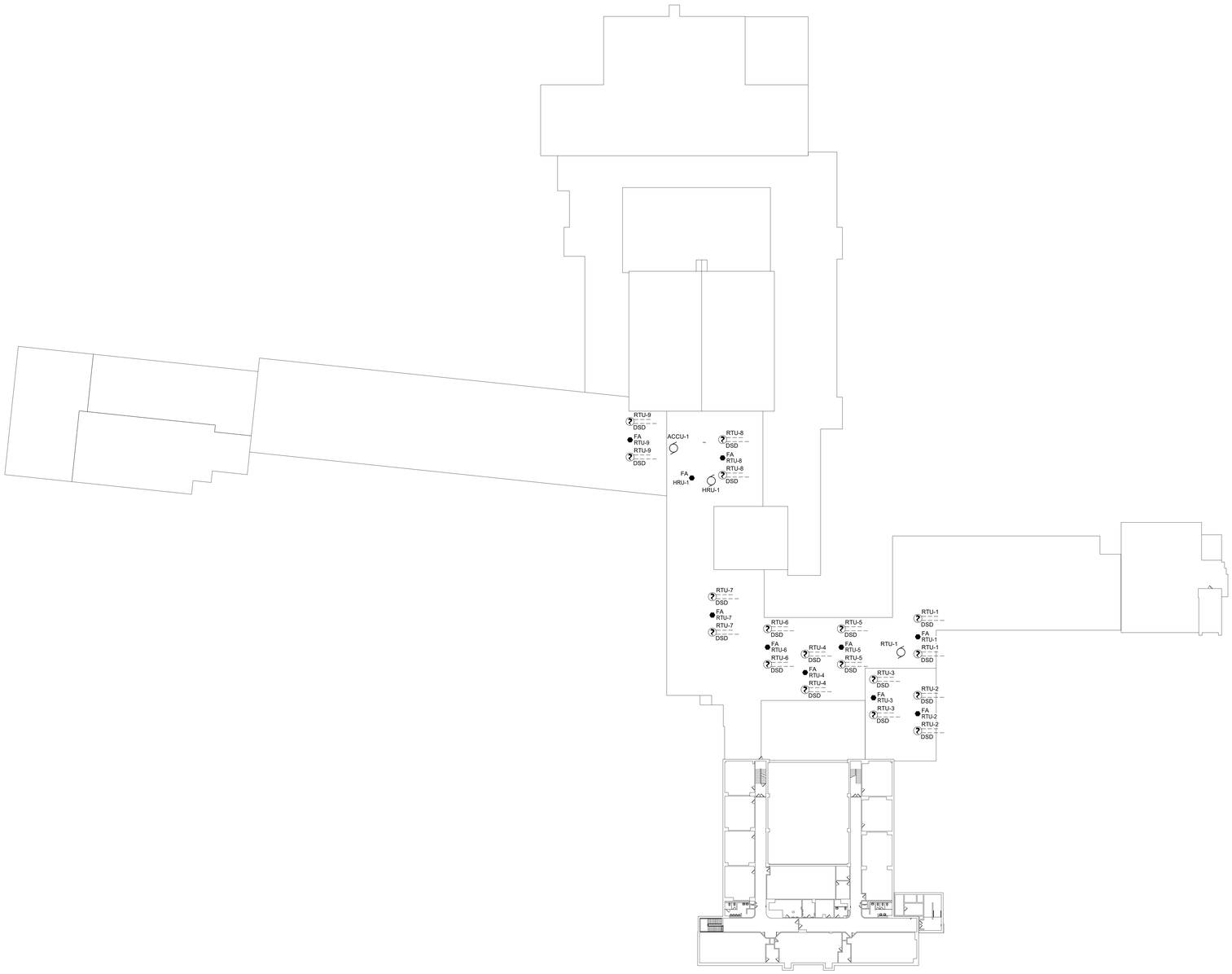
LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE
REVISIONS			
DATE	NOVEMBER 30, 2023		
DRAWN BY	DHF		
CHECKED BY	FJR/EPF		
SCALE	1/8" = 1'-0"		
PROJECT NO.	2194.1		

DRAWING TITLE
PARTIAL PLAN - THIRD FLOOR , AREA B

DRAWING NO.
E113

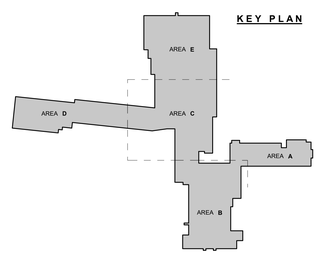


1 E114 ROOF PLAN

SCALE: 1/32" = 1'-0"

3"

KEY PLAN



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STATE OF NEW YORK · ELIZABETH P. FISCHER · 096005 · LICENSED PROFESSIONAL ENGINEER

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FS CERT. NO.: 0019642
FS EXP.: 01/31/2025

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LOWVILLE ACADEMY & CENTRAL SCHOOL
MAIN BUILDING
CAPITAL PROJECT
7668 STATE STREET, LOWVILLE, NEW YORK 13367
SED CONTROL NO.: 23-09-01-04-0-001-022

NO	DESCRIPTION	BY	DATE

REVISIONS

DATE	NOVEMBER 30, 2023
DRAWN BY	DHF
CHECKED BY	FJR/EPF
SCALE	1/32" = 1'-0"
PROJECT NO.	2194.1

DRAWING TITLE
ROOF PLAN

DRAWING NO.
E114

ELECTRICAL EQUIPMENT AND CONTROL SCHEDULE

EQUIPMENT ID	EQUIPMENT DESCRIPTION & LOCATION	KVA	VOLTAGE	PANEL	CIRCUIT BREAKER SIZE	POLES	WIRE SIZE (L,N,G) OR (L,G)	CONDUIT SIZE	LOCAL DISCONNECT	MOTOR STARTER		VFC	FA SHUTDOWN	DUCT DETECTOR	NOTES
										MANUAL	MAGNETIC OR COMBINATION				
ACCU-1	AIR COOLED COND UNIT - ROOF	12.95	208 V	EXIST. PNL DPK	60 A	3	3-#6, 1-#10	3/4"	FUSED - NEMA 4						A, B, E, F
BC-1	BRANCH CIRCUIT CONTROLLER - CORRIDOR 21C1	0.25	208 V	EXIST. PNL NPL10	20 A	2	2-#12, 1-#12	1/2"		AU					A, B, C
BC-2	BRANCH CIRCUIT CONTROLLER - OFFICE 1410A	0.25	208 V	EXIST. PNL NPL7	20 A	2	2-#12, 1-#12	1/2"		AU					A, B, C
DWH-1	DOMESTIC WATER HEATER	0.20	120 V	EXIST. PNL	EXIST.	1	1-#12, 1-#12, 1-#12	1/2"		AU					J
DWH-2	DOMESTIC WATER HEATER	0.20	120 V	EXIST. PNL	EXIST.	1	1-#12, 1-#12, 1-#12	1/2"		AU					J
HRU-1	HEAT RECOVERY UNIT - ROOF	2.25	208 V	EXIST. PNL NPL10	20 A	2	2-#12, 1-#12	1/2"	FUSED - NEMA 4				YES		A, B, E, F
RTU-1	ROOF TOP UNIT - ROOF	21.59	208 V	EXISTING PANEL PAC	80 A	3	3-#4, 1-#8	1"	FUSED - NEMA 4				YES	YES	A, B, E, F
VRF-1	VRF SYS INDOOR UNIT - OFFICE 2106A	0.05	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-2	VRF SYS INDOOR UNIT - OFFICE 2104	0.05	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-3	VRF SYS INDOOR UNIT - CONF RM 2104B	0.44	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-4	VRF SYS INDOOR UNIT - OFFICE 2102	0.05	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-5	VRF SYS INDOOR UNIT - OFFICE 2102	0.06	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-6	VRF SYS INDOOR UNIT - WORK 2102A	0.05	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-7	VRF SYS INDOOR UNIT - WORK 2102A	0.05	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-8	VRF SYS INDOOR UNIT - WORK 2101	0.36	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-9	VRF SYS INDOOR UNIT - RESOURCE 2414	2.02	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-10	VRF SYS INDOOR UNIT - COMP LAB 2412	2.02	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-11	VRF SYS INDOOR UNIT - EXAM 1410B	0.05	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-12	VRF SYS INDOOR UNIT - EXAM 1410C	0.05	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-13	VRF SYS INDOOR UNIT - OFFICE 1410A	0.05	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-14	VRF SYS INDOOR UNIT - OFFICE 1410A	0.05	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-15	VRF SYS INDOOR UNIT - TREATMENT 1410	0.05	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I
VRF-16	VRF SYS INDOOR UNIT - OFFICE 1407	0.06	208 V	-----	--------	-----	2-#12, 1-#12, 1-#12	1/2"		AU					A, B, C, I

NOTES: EQUIPMENT SCHEDULE

A. MAKE FINAL CONNECTIONS TO EQUIPMENT LISTED AS REQUIRED BY FIELD CONDITIONS AND THE NATIONAL ELECTRIC CODE. EQUIPMENT QUANTITIES AS INDICATED ON THE CONTRACT DOCUMENTS.

B. PROVIDE DISCONNECT SWITCH AND/OR MOTOR STARTERS AS INDICATED.

C. PROVIDE THERMAL OVERLOADS IN STARTER SIZED TO MOTOR NAMEPLATE RATING.

D. INSTALL VARIABLE SPEED CONTROLLER INCLUDING ISOLATION TRANSFORMERS, FURNISHED BY DIV. 23. PROVIDE CIRCUITING & CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

E. PROVIDE NEMA 4 FUSED DISCONNECT SWITCH AT UNIT.

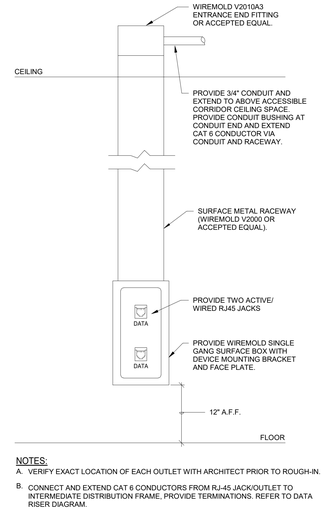
F. VERIFY EXACT FUSE SIZE WITH EQUIPMENT MANUFACTURER, PRIOR TO ORDERING.

G. PROVIDE VFC CABLE/ CONDUCTORS FROM VARIABLE SPEED CONTROLLER TO EQUIPMENT, REFER TO SPECIFICATION SECTION 260519.

H. PROVIDE NEMA 5-20R WEATHERPROOF "GF" DUPLEX RECEPTACLE ADJACENT TO UNIT. EXTEND EXISTING RECEPTACLE CIRCUITING AND CONNECT TO NEW RECEPTACLE, PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED.

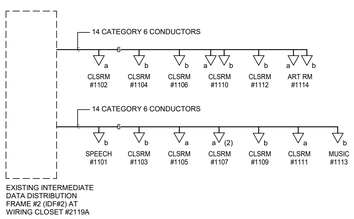
I. REFER TO FLOOR PLANS FOR CIRCUITING REQUIREMENTS FOR THIS EQUIPMENT ITEM.

J. **AS PART OF ALTERNATE 13**, DISCONNECT EXISTING WATER HEATER AND CONNECT EXISTING CIRCUITING TO REPLACEMENT WATER HEATER. PROVIDE ADDITIONAL CONDUIT, WIRE AND HARDWARE AS REQUIRED TO EXTEND EXISTING CIRCUITING.



NOTES:
A. VERIFY EXACT LOCATION OF EACH OUTLET WITH ARCHITECT PRIOR TO ROUGH-IN.
B. CONNECT AND EXTEND CAT 6 CONDUCTORS FROM RJ-45 JACK/OUTLET TO INTERMEDIATE DISTRIBUTION FRAME, PROVIDE TERMINATIONS. REFER TO DATA RISER DIAGRAM.

2 E901 COMPUTER/ DATA WORKSTATION TYPE "b"
SCALE: NOT TO SCALE



KEY TO SYMBOLS (DATA RISER DIAGRAM)

6	CATEGORY 6 CONDUCTORS
EX-FO	EXISTING MULTI-STRAND, MULTI-MODE FIBER OPTIC CONDUCTOR TO REMAIN
FO	12 STRAND, MULTI-MODE FIBER OPTIC CONDUCTOR
WAP	WIRELESS ACCESS POINT, REFER TO DETAILS
#117	WORKSTATION TYPE
(7)	ROOM NUMBER (TYPICAL)
	TOTAL NUMBER OF WORKSTATIONS IN ROOM

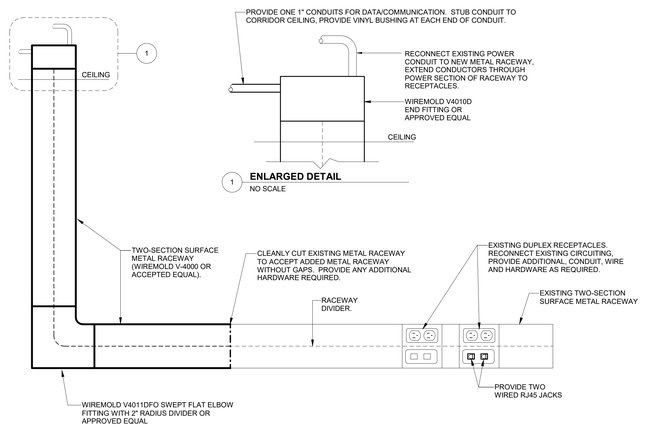
NOTES: DATA RISER DIAGRAM

A. VERIFY AND COORDINATE OUTLET TYPES, LOCATIONS AND QUANTITIES WITH CONTRACT DOCUMENTS INCLUDING FLOOR PLANS.

B. PROVIDE ADDITIONAL FIBER OPTIC AND CAT 6 PATCH PANELS AT MDF AS REQUIRED TO FACILITATE ADDED DATA NETWORK CONDUCTORS.

C. PROVIDE BONDING / GROUNDING DATA NETWORK SYSTEM MDF & IDF'S IN ACCORDANCE WITH ANSI-J-STD-607-A.

3 E901 DATA RISER DIAGRAM
SCALE: NOT TO SCALE



NOTES:
A. REFER TO DEMOLITION FLOOR PLANS FOR ADDITIONAL INFORMATION.
B. CONNECT AND EXTEND CAT 6 CONDUCTORS FROM RJ-45 JACK/OUTLET TO INTERMEDIATE DISTRIBUTION FRAME, PROVIDE TERMINATIONS. REFER TO DATA RISER DIAGRAM.

1 E901 COMPUTER/ DATA WORKSTATION OUTLET TYPE "a"
SCALE: NOT TO SCALE

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LOWVILLE ACADEMY & CENTRAL SCHOOL
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SCALE	As indicated
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DRAWING TITLE
DIAGRAMS AND DETAILS

DRAWING NO.
E901