

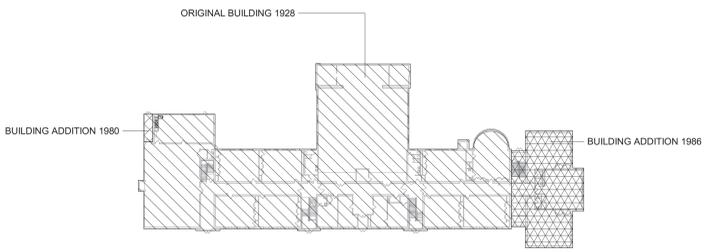
**Structural Loads:**

<b>A. FLOOR LIVE LOADS PER BCNYS 1607 OCCUPANCY OR USE</b>	<b>UNIFORM</b>	
CLASSROOMS	40 PSF	1000 LBS
LOBBIES	100 PSF	
OFFICES	50 PSF	2000 LBS
TOILET ROOMS	60 PSF	
PARTITIONS	15 PSF PER 1607.5	
REDUCTION IN LIVE LOADS HAS BEEN APPLIED WHERE PERMITTED PER 1607.11		
<b>B. ROOF LIVE LOADS PER BCNYS 1607.13</b>		
MINIMUM ROOF LIVE LOAD		20 PSF
<b>C. RAIN LOADS PER BCNYS 1611</b>		
RAIN INTENSITY, I	2.75 IN/HR	
RAIN LOAD, R	16 PSF	
RAIN SURCHARGE LOAD HAS BEEN APPLIED TO AREAS WHERE PONDING OCCURS IN ACCORDANCE WITH BCNYS 1611.1.		
<b>D. SNOW LOADS PER BCNYS 1608</b>		
GROUND SNOW, P <sub>g</sub> (FIGURE 1608.2)	30 PSF	
FLAT ROOF SNOW LOAD, P <sub>f</sub> (ASCE 7)	27.7 PSF	
SNOW EXPOSURE FACTOR, C <sub>e</sub>	1.0	
THERMAL FACTOR, C <sub>t</sub>	1.2	
SLOPE FACTOR, C <sub>s</sub>	1.0	
SNOW LOAD IMPORTANCE FACTOR, I <sub>s</sub>	1.1	
ADDITIONAL SNOW LOADS HAVE BEEN APPLIED TO AREAS WHERE DRIFTING OCCURS IN ACCORDANCE WITH BCNYS 1608.		
<b>E. WIND LOAD DESIGN CRITERIA PER BCNYS 1609</b>		
BASIC DESIGN WIND SPEED (3 SECOND GUST), V	121 MPH	
ALLOWABLE STRESS DESIGN WIND SPEED, V <sub>ASD</sub>	93.7MPH	
RISK CATEGORY	III	
EXPOSURE CATEGORY	B	
INTERNAL PRESSURE COEFFICIENT, GCP	+/- 0.18	
<b>F. SEISMIC DESIGN CRITERIA PER BCNYS 1613</b>		
RISK CATEGORY	III	
SEISMIC IMPORTANCE FACTOR, I <sub>s</sub>	1.25	
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, S <sub>s</sub>	23.3 %g	
AT 1 SECOND PERIODS, S <sub>1</sub>	5.7 %g	
SITE CLASS	D (DEFAULT)	
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, S <sub>DS</sub>	24.8 %g	
AT 1 SECOND PERIODS, S <sub>D1</sub>	9.1 %g	
SEISMIC DESIGN CATEGORY	B	
BASIC SEISMIC-FORCE-RESISTING SYSTEM:		
MOMENT-RESISTING FRAME SYSTEM		
ORDINARY STEEL MOMENT FRAMES	R= 3.5	
	C <sub>s</sub> = 0.09	
DESIGN BASE SHEAR	V=1.2K	

**COMPONENTS & CLADDING WIND PRESSURE (PSF) - BUILDING**

MEAN ROOF HEIGHT, "h" (FT)	EFFECTIVE WIND AREA (SQ FT)	ROOF														
		ZONE 1'		ZONE 1		ZONE 1/1'		ZONE 2		ZONE 3		ZONE 4		ZONE 5		
		MIDDLE INTERIOR	INTERIOR	INTERIOR	OVERHANG	EDGE	OVERHANG	CORNER	OVERHANG	INTERIOR	CORNER	INTERIOR	CORNER			
12.00	≤ 10	-24.1	16.0	-42.0	16.0	-37.9	-55.4	16.0	-51.3	-75.4	16.0	-71.4	-26.1	24.1	-32.1	24.1
	20	-24.1	16.0	-39.2	16.0	-37.3	-51.8	16.0	-46.6	-68.3	16.0	-63.1	-25.0	23.0	-30.0	23.0
	50	-24.1	16.0	-35.5	16.0	-36.4	-47.1	16.0	-40.3	-58.9	16.0	-52.1	-23.6	21.6	-27.2	21.6
100	-24.1	16.0	-32.8	16.0	-35.7	-43.5	16.0	-35.6	-51.8	16.0	-43.8	-22.6	20.6	-25.0	20.6	
≥ 500	-16.3	16.0	-26.3	16.0	-24.6	-35.3	16.0	-24.6	-35.3	16.0	-24.6	-20.1	18.1	-20.1	18.1	

NOTES:  
 1. MEAN ROOF HEIGHT IS MEASURED ABOVE DATUM FFE, ELEVATION = 100'-0".  
 2. REFER TO ASCE 7-16 FOR DEFINITION OF TERMS. FOR THE DIMENSIONS OF EACH ZONE, REFERENCE FIGURE 30.4-1 IN ASCE 7-16 AND USE "h" FROM ABOVE TABLE TO DETERMINE 0.6h AND 0.2h.  
 3. THESE TABLES ARE TO BE USED FOR WIND LOAD CONTRIBUTION TO TOTAL LOAD ACTING ON ANY COMPONENT OR CLADDING MEMBER WHICH IS PART OF A ROOF OR EXTERIOR WALL ASSEMBLY. EXAMPLES OF COMPONENTS AND CLADDING INCLUDE, BUT ARE NOT LIMITED TO ROOF JOISTS, WALL STUDS, ROOF DECK FASTENERS, VENEER TIES, WINDOWS, AND THEIR ATTACHMENTS.  
 4. FOR EFFECTIVE WIND AREA VALUES LISTED IN THE TABLE ABOVE, PRESSURE VALUES MAY INTERPOLATED; OTHERWISE USE THE VALUE ASSOCIATED WITH THE LOWER EFFECTIVE WIND AREA.  
 5. POSITIVE PRESSURES (+) ACT TOWARDS THE BUILDING, NEGATIVE PRESSURES (-) ACT AWAY FROM THE BUILDING, POSITIVE AND NEGATIVE PRESSURES DO NOT ACT SIMULTANEOUSLY. PRESSURES ARE APPLIED TO THE SURFACE OF THE COMPONENT OR CLADDING.  
 6. DESIGN VALUES SHOWN IN THIS TABLE ARE ULTIMATE VALUES FOR USE WITH LRFD DESIGN. VALUES MAY BE MULTIPLIED BY 0.6 FOR USE WITH SERVICE LEVEL OR ASD DESIGN. REFER TO THE BUILDING CODE FOR APPLICABLE LOAD COMBINATIONS.



1 Vintage Key Plan  
1" = 50'-0"

**Code Compliance Review**

**PROJECT LOCATION:**  
 60 SOUTH AVE, BEACON, NY 12508  
 BOUNDED BY SOUTH AVE TO THE WEST, ROMBOUT AVE TO THE NORTH, W CENTER STREET TO THE SOUTH, AND SCHOOL STREET TO THE EAST.

**PROJECT DESCRIPTION:**  
 THIS PROJECT INCLUDES RENOVATION OF APPROXIMATELY 6,340 SF.

WORK GENERALLY CONSISTS OF THE FOLLOWING:  
 ALTERATIONS - LEVEL 1  
 • REPLACE FLOOR SINK WASTE LINE  
 • REPLACE SELECT CEILING  
 • UPGRADE EMERGENCY LIGHTING  
 • UPGRADE LIGHTING  
 • REPLACE PAVING IN FRONT LOOP  
 • OUTDOOR PLAY AREA IMPROVEMENTS

ALTERATIONS - LEVEL 2  
 • REPLACE FACILITY ROOM WINDOW  
 • ADD GREASE TRAP TO KITCHEN  
 • ADD MECHANICAL VENTILATION  
 • OUTDOOR LEARNING SPACE  
 • ADDITIONAL PLAY STRUCTURES

**APPLICABLE CODES (AND STANDARDS):**  
 BASED ON THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE INCLUDING APPLICABLE 2018 ICC CODES AND 2020 BUILDING CODES OF NYS, AND ICC A117.1-2017 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES.  
 REFER TO PROJECT MANUAL FOR REQUIREMENTS STATED IN "NYCRR 155 REGULATIONS OF THE COMMISSIONER OF EDUCATION".

**BUILDING DATA:**  
 BUILDING: SOUTH AVENUE ELEMENTARY SCHOOL  
 60 SOUTH AVE.  
 BEACON, NY 12508

DESCRIPTION: TWO STORY MASONRY AND REINFORCED CONCRETE BUILDING WITH BASEMENT.

YEAR BUILT: 1930'S  
 ADDITIONS: 1980 AND 1986

BUILDING AREA: GROUND FLOOR 14,500 SQFT  
 1ST FLOOR 18,875 SQFT  
 2ND FLOOR 12,950 SQFT  
 TOTAL GROSS AREA= 46,325 SQFT

**CODE DATA SUMMARY:**  
 USE GROUP: E - EDUCATION

CONSTRUCTION TYPE -  
 EXISTING: IIB

FIRE SAFETY: NO, AUTOMATIC SPRINKLER SYSTEM IS PROVIDED.

WORK AREA:	LOCATION	AREA	% OF TOTAL
	GROUND FLOOR	585 SQFT	4.0%
	1ST FLOOR	3,097 SQFT	16.4%
	2ND FLOOR	2,658 SQFT	20.5%

**PATH OF CODE COMPLIANCE:**  
 2018 IEBC CODES AND 2020 EXISTING BUILDING CODE OF NYS  
 301.1.2 WORK AREA COMPLIANCE METHOD

CHAPTER 5 - CLASSIFICATION OF WORK  
 503 ALTERATION - LEVEL 1 (CHAPTER 7)  
 504 ALTERATION - LEVEL 2 (CHAPTER 8)

NEW CONSTRUCTION WILL COMPLY WITH REQUIREMENTS OF 2018 ICC CODES AND 2020 BUILDING CODES OF NYS

CORRIDOR ENCLOSURES (PER TABLE 1020.1):  
 FOR CORRIDOR FIRE RESISTANCE - SEE ENLARGED PLANS, PARTITION TYPES AND DOOR SCHEDULE.  
 ALL CROSS CORRIDOR PARTITIONS ARE SMOKE PARTITIONS AND EXTEND FROM FINISH FLOOR TO DECK ABOVE.

**INTERIOR FINISH REQUIREMENTS:**

ALL FINISHES IN CORRIDORS AND ASSEMBLY SPACES SHALL HAVE A FIRE HAZARD CLASSIFICATION PER MANUAL OF PLANNING STANDARDS SECTION S202-2, a, THROUGH e.

**General Code Notes**

- A. REFER TO CODE COMPLIANCE DRAWINGS FOR ADDITIONAL CODE COMPLIANCE INFORMATION.
- B. AT AREAS OF PROJECT WORK, COMPLETELY SEAL ALL PENETRATIONS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS IDENTIFIED ON THE DG351 DRAWINGS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

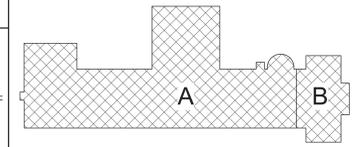
**Legend**

ALL WALLS, INCLUDING CORRIDOR WALLS, EXTEND TO THE ROOF DECK OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.

- 2-HOUR FIRE BARRIER
- 1-HOUR FIRE BARRIER
- 1-HOUR FIRE PARTITION
- SMOKE PARTITION
- COMMON EGRESS PATH
- EXISTING FIRE EXTINGUISHER LOCATION
- AREA OF REFUGE
- AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
- RESCUE WINDOW
- ALTERATION LEVEL 1 WORK AREA
- ALTERATION LEVEL 2 WORK AREA

**General Notes**

- A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.
- B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.
- C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.
- D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.
- E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.
- F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.



Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-016

Rev. No.	Date	Description



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**BID SET**

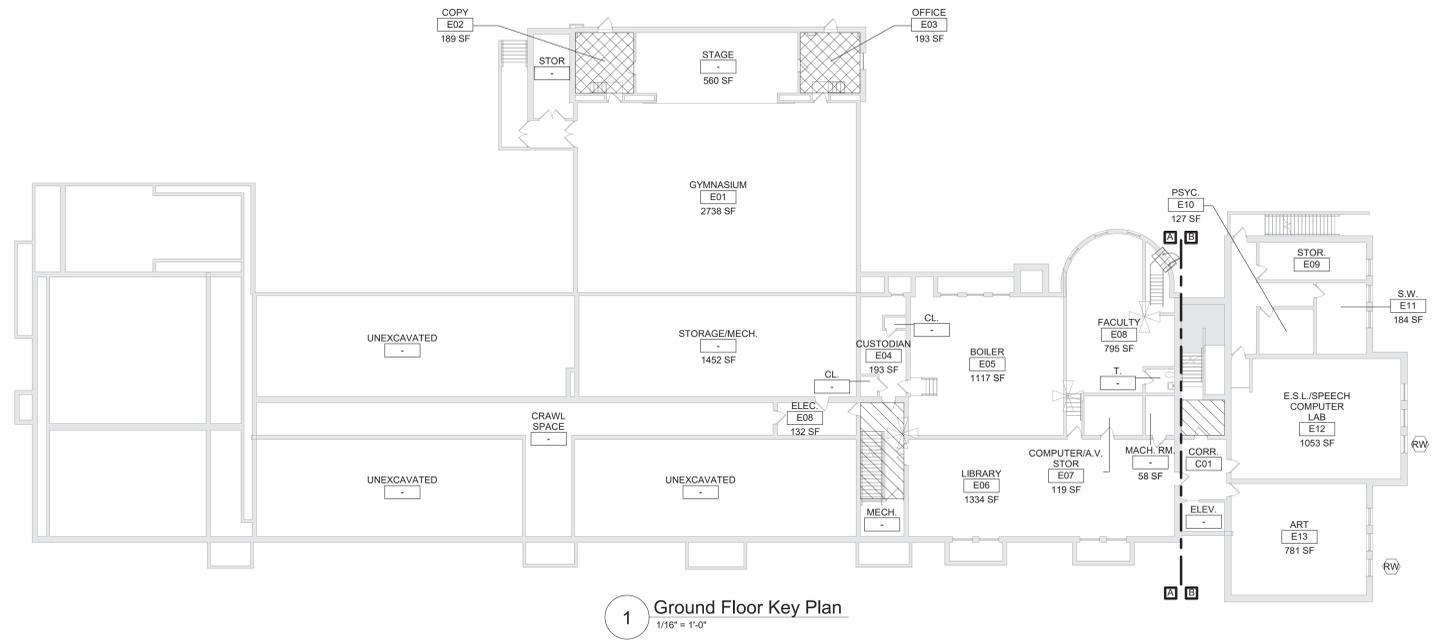
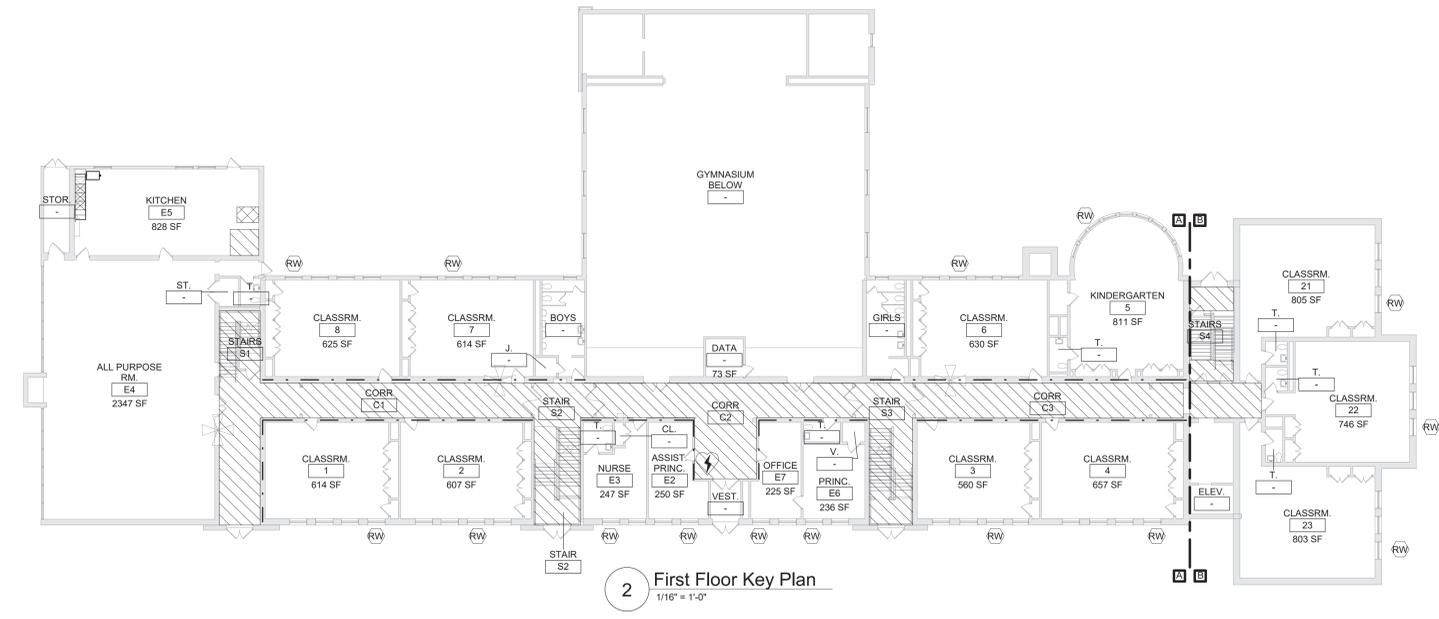
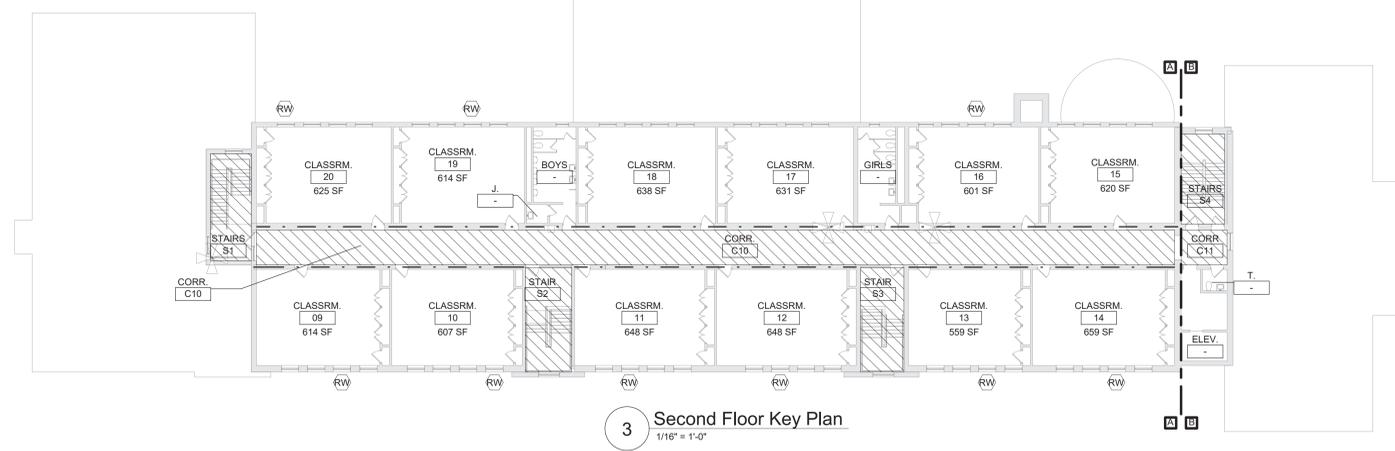


Beacon City School District  
 Beacon, New York

Reconstruction to:  
 South Ave Elementary School

Code Compliance Review

Drawn By: TLG	Date: 10/28/2022	Drawing Number:
Project No.:	279180-22004	
		DG350



**General Notes**

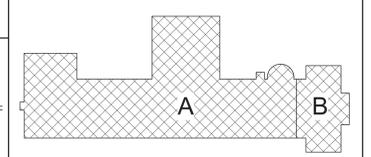
- A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.
- B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.
- C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.
- D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.
- E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.
- F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.

**General Code Notes**

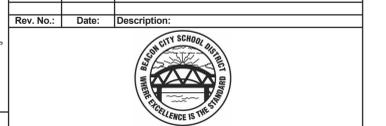
- A. REFER TO CODE COMPLIANCE DRAWINGS FOR ADDITIONAL CODE COMPLIANCE INFORMATION.
- B. COORDINATE WITH FLOOR PLANS, WALL SECTIONS AND PARTITION TYPES FOR RATED WALL TYPES AND LOCATIONS. IMMEDIATELY NOTIFY ARCHITECT OF ANY WALL RATING DISCREPANCIES BETWEEN CODE DRAWINGS AND FLOOR PLANS.
- C. ALL WALLS, INCLUDING AT CORRIDORS, SHALL EXTEND COMPLETELY TO THE UNDERSIDE OF DECKING, SUPPORTING STRUCTURE OR ROOF ABOVE, TYPICAL UNLESS NOTED OTHERWISE.
- D. AT AREAS OF PROJECT WORK, COMPLETELY SEAL ALL PENETRATIONS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS IDENTIFIED ON THE CODE DRAWINGS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.
- E. PROVIDE APPLIED FIREPROOFING TO ALL BEAMS, JOISTS AND STRUCTURAL STEEL ELEMENTS AT ALL FIRE BARRIERS, FIRE PARTITIONS, AND OTHER RATED WALLS WHERE INDICATED ON DRAWINGS, AND THAT ARE NOT COMPLETELY PROTECTED WITHIN THE RATED CONSTRUCTION. PROTECTION OF SUCH ELEMENTS SHALL MATCH THE RATING OF THE WALL THAT THE ELEMENTS ARE CONTAINED WITHIN.
- F. ALL CMU CONSTRUCTION SHALL MEET FIRE RESISTANCE REQUIREMENTS INDICATED. PROVIDED BLOCK TYPE AS REQUIRED TO COMPLY WITH UL DESIGN NUMBERS AND WALL RATINGS INDICATED, REGARDLESS IF NOTED AS SUCH ON PLAN DETAILS.

**Legend**

- 2-HOUR FIRE BARRIER
- 1-HOUR FIRE BARRIER
- 1-HOUR FIRE PARTITION
- SMOKE PARTITION
- COMMON EGRESS PATH
- EXISTING FIRE EXTINGUISHER LOCATION
- AREA OF REFUGE
- AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
- RESCUE WINDOW
- ALTERATION LEVEL 1 WORK AREA
- ALTERATION LEVEL 2 WORK AREA



S.E.D. Control No. 13-02-00-01-0-003-1016



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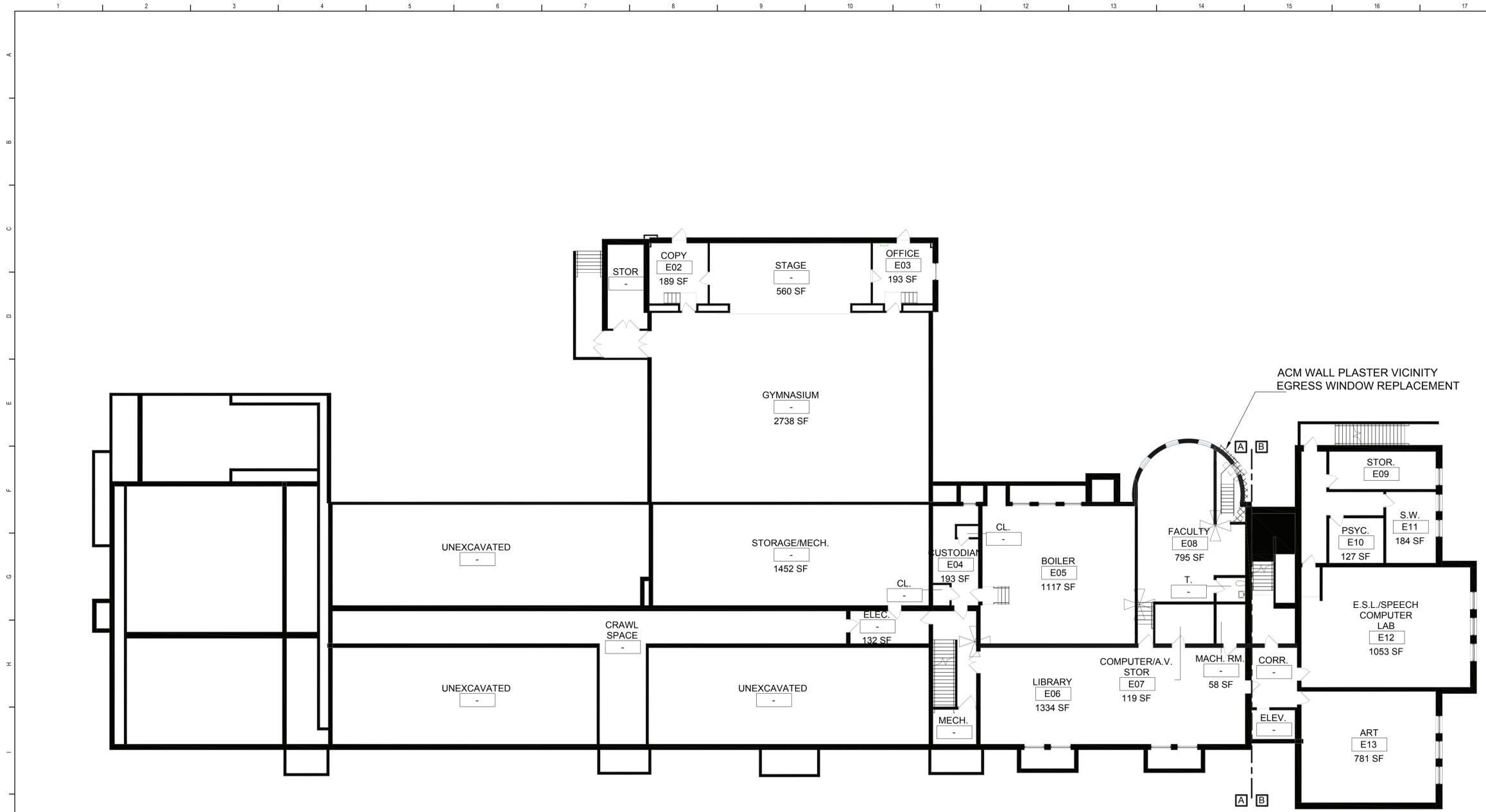
Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

Code Compliance Ground, First, and Second Floor Key Plans

Drawn By: TLG	Date: 10/28/2022	Drawing Number:
Project No.: 279180-22004	DG351	

**BID SET**



SOUTH AVENUE ELEMENTARY - GROUND FLOOR ABATEMENT PLAN  
SCALE: NONE

**ASBESTOS ABATEMENT NOTES**

ASBESTOS ABATEMENT CONTRACTOR IS RESPONSIBLE FOR TOTAL AND COMPLETE REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING (ACM) PLASTER WALL AND COVERINGS AT LOCATIONS INDICATED.

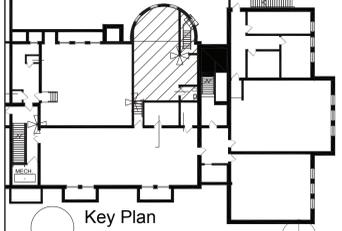
REFER TO SPECIFICATION SECTION 020800 - SECTION 3.17 FOR A DESCRIPTION OF THE WORK.

**ASBESTOS ABATEMENT LEGEND**

 ASBESTOS CONTAINING PLASTER WALLS AND CEILINGS.

**QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.**  
 1376 NYS ROUTE 9  
 WAPPINGERS FALLS, NY 12590  
 TEL. : (845) 298-6031





Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-016

Rev. No.:	Date:	Description:
1	9-13-22	100% SED Submittal

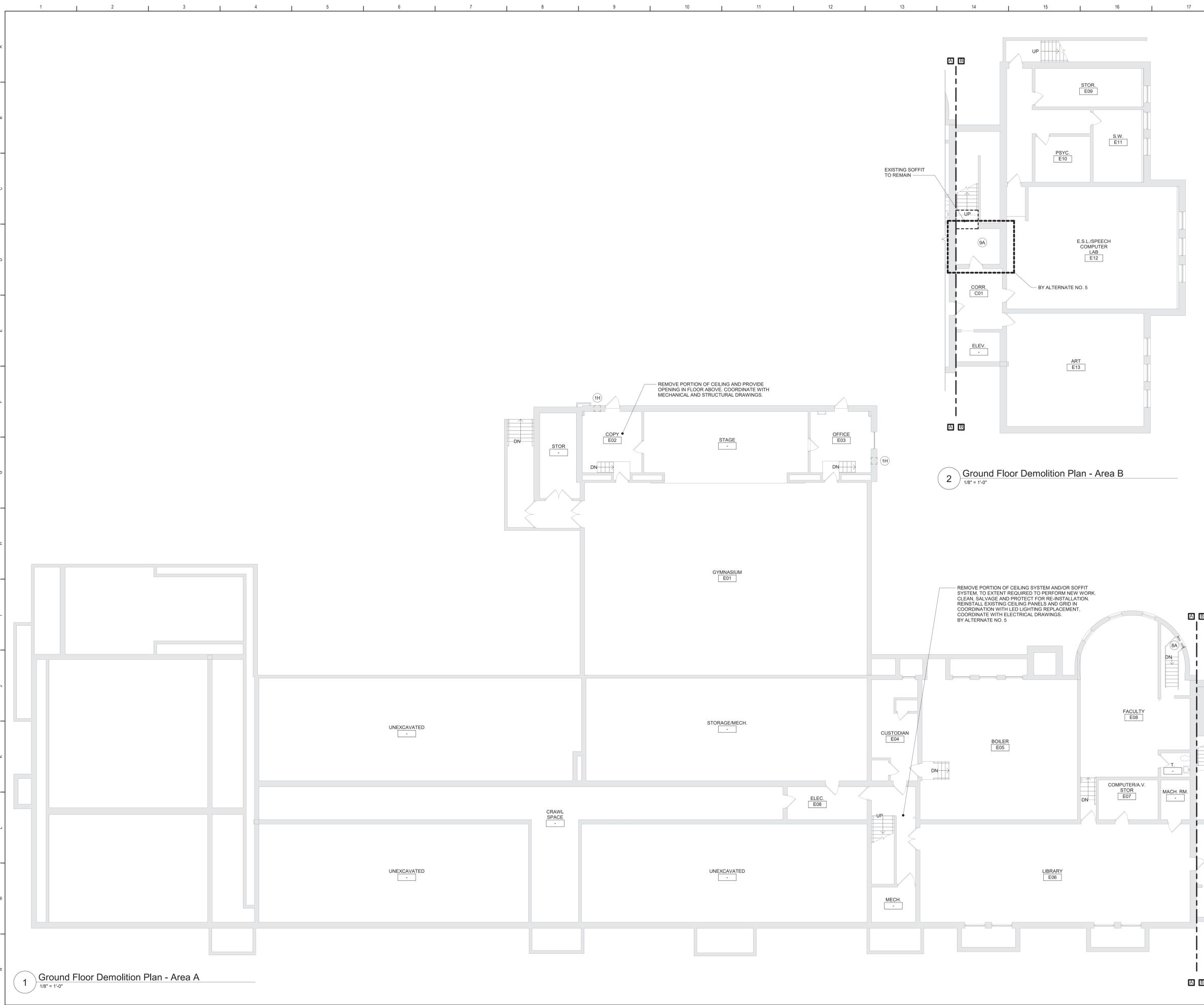



Beacon City School District  
Beacon, New York

Reconstruction to:  
South Avenue Elementary School

Asbestos Abatement

Drawn By: AM/GD	Date: 10/28/2022	Drawing Number:
Project No.: 279180-22004		<b>DH100</b>



1 Ground Floor Demolition Plan - Area A  
1/8" = 1'-0"

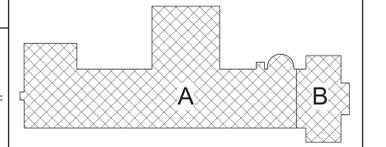
2 Ground Floor Demolition Plan - Area B  
1/8" = 1'-0"

**General Demolition Notes**

- A. - - - - REMOVE ITEMS INDICATED BY DASHED LINE.
- B. KEYED DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS FOLLOWS:
  1. DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT SAME TYPE WITHIN THAT ENTIRE SPACE.
  2. DEMOLITION TAGS PLACED IMMEDIATELY ON OR ADJACENT TO A DASHED LINE INDICATING ITEM REMOVAL OR THAT HAVE A LEADER POINTING TO SPECIFIC ITEM(S) REFER TO DEMOLITION OF THAT SPECIFIC ITEM ONLY OF THAT TYPE WITHIN THAT SPACE.
  3. DEMOLITION TAGS IN SERIES REFER TO DEMOLITION OF ALL THOSE ITEMS EITHER WITHIN THAT ENTIRE SPACE OR TO THE SPACE IDENTIFIED BY THAT LEADER.
- C. WHEN AN ITEM IS INDICATED TO BE DEMOLISHED REMOVE ALL ASSOCIATED COMPONENTS AS PART OF THAT WORK.
- D. ALL ARTWORK NOT PERMANENTLY AFFIXED TO EXISTING CONSTRUCTION SHALL BE REMOVED AND STORED BY OWNER PRIOR TO BEGINNING DEMOLITION WORK. CONTACT OWNERS AGENT(S) IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK.
- E. COORDINATE WITH ABATEMENT DRAWINGS PRIOR TO DEMOLITION.

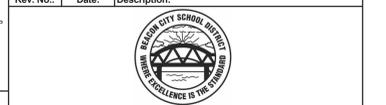
**Demolition Key Notes**

- (1H) PROVIDE NEW OR ENLARGE EXISTING OPENING IN WALL TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PROVIDE LINTEL PER LINTEL SCHEDULE. SEE STRU DRAWINGS. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. COORDINATE WITH SCHEDULED WORK ON MECHANICAL DRAWINGS.
  - (6A) REMOVE WINDOW COMPLETELY. PREPARE OPENING TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. SEE ABATEMENT DRAWINGS.
  - (9A) REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.
  - (9B) REMOVE FLOOR FINISH, MASTIC AND WALL BASE TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. AT ALL AREAS OF FLOOR REMOVAL, LEVEL SLAB WITH ADJACENT SLABS AT LOCATIONS SCHEDULED TO RECEIVE FLOOR FINISH. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS TO REMAIN THAT WERE DAMAGED BY REMOVAL OF WALL BASE.
- SUFFIX KEY FLOOR FINISH IDENTIFICATIONS:  
A. CERAMIC FLOOR TILE.



Key Plan  
N.T.S.  
S.E.D. Control No. 13-02-00-01-0-003-016

Rev. No.	Date	Description



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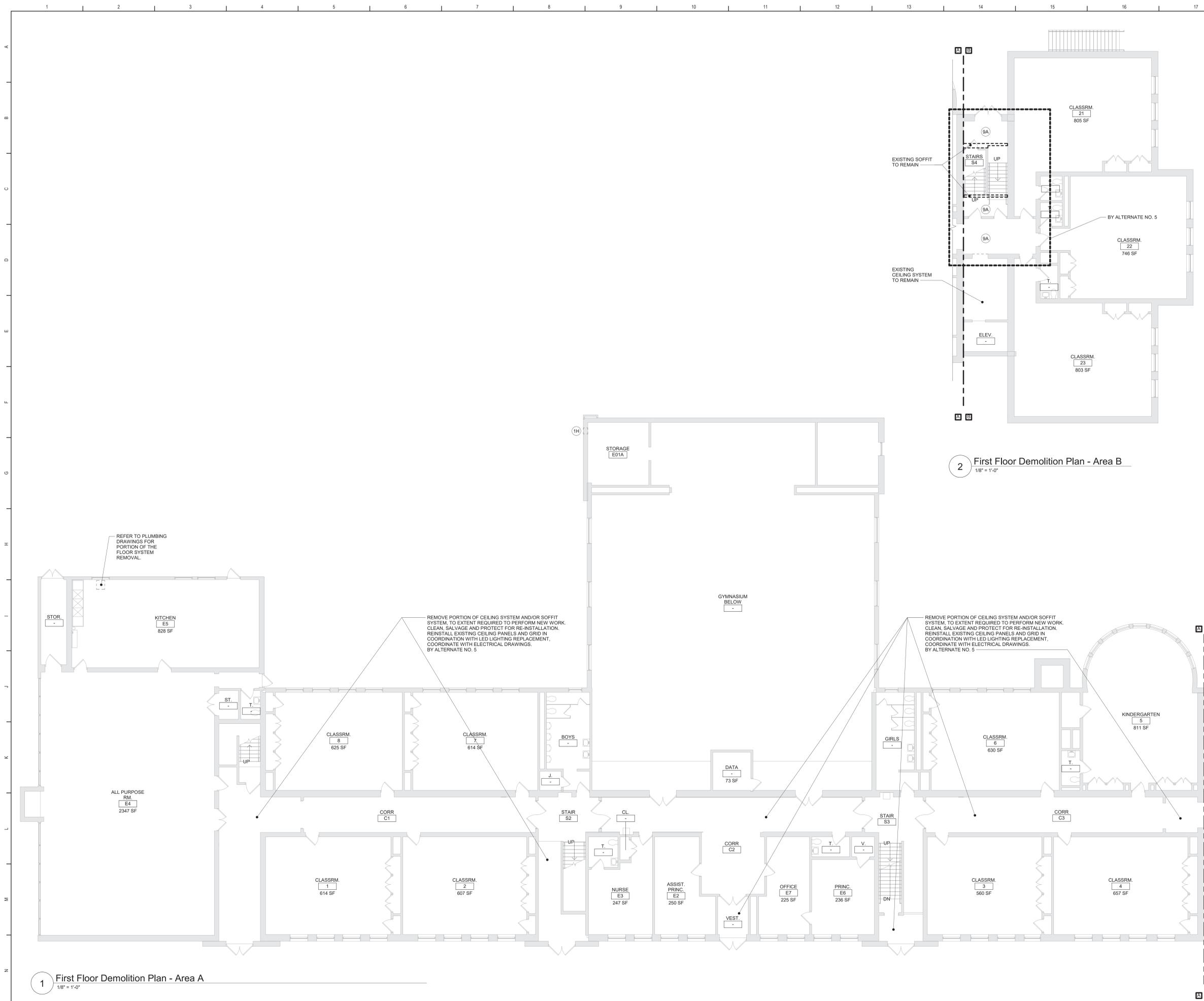


Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

Ground Floor Demolition Plans - Area A and B

Drawn By: TLG	Date: 10/28/2022	Drawing Number: DA100
Project No.: 279180-22004		



**1** First Floor Demolition Plan - Area A  
1/8" = 1'-0"

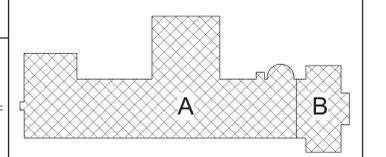
**2** First Floor Demolition Plan - Area B  
1/8" = 1'-0"

**General Demolition Notes**

- A. - - - - REMOVE ITEMS INDICATED BY DASHED LINE.
- B. KEYED DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS FOLLOWS:
  1. DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT SAME TYPE WITHIN THAT ENTIRE SPACE.
  2. DEMOLITION TAGS PLACED IMMEDIATELY ON OR ADJACENT TO A DASHED LINE INDICATING ITEM REMOVAL OR THAT HAVE A LEADER POINTING TO SPECIFIC ITEM(S) REFER TO DEMOLITION OF THAT SPECIFIC ITEM ONLY OF THAT TYPE WITHIN THAT SPACE.
  3. DEMOLITION TAGS IN SERIES REFER TO DEMOLITION OF ALL THOSE ITEMS EITHER WITHIN THAT ENTIRE SPACE OR TO THE SPACE IDENTIFIED BY THAT LEADER.
- C. WHEN AN ITEM IS INDICATED TO BE DEMOLISHED REMOVE ALL ASSOCIATED COMPONENTS AS PART OF THAT WORK.
- D. ALL ARTWORK NOT PERMANENTLY AFFIXED TO EXISTING CONSTRUCTION SHALL BE REMOVED AND STORED BY OWNER PRIOR TO BEGINNING DEMOLITION WORK. CONTACT OWNERS AGENT(S) IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK.
- E. COORDINATE WITH ABATEMENT DRAWINGS PRIOR TO DEMOLITION.

**Demolition Key Notes**

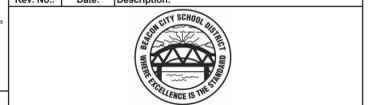
- (1H) PROVIDE NEW OR ENLARGE EXISTING OPENING IN WALL TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PROVIDE LINTEL PER LINTEL SCHEDULE. SEE STRU DRAWINGS. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. COORDINATE WITH SCHEDULED WORK ON MECHANICAL DRAWINGS.
  - (8A) REMOVE WINDOW COMPLETELY. PREPARE OPENING TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. SEE ABATEMENT DRAWINGS.
  - (9A) REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.
  - (9B) REMOVE FLOOR FINISH, MASTIC AND WALL BASE TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. AT ALL AREAS OF FLOOR REMOVAL, LEVEL SLAB WITH ADJACENT SLABS AT LOCATIONS SCHEDULED TO RECEIVE FLOOR FINISH. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS TO REMAIN THAT WERE DAMAGED BY REMOVAL OF WALL BASE.
- SUFFIX KEY FLOOR FINISH IDENTIFICATIONS:  
A - CERAMIC FLOOR TILE



**Key Plan**  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-016

Rev. No.	Date	Description



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**BID SET**

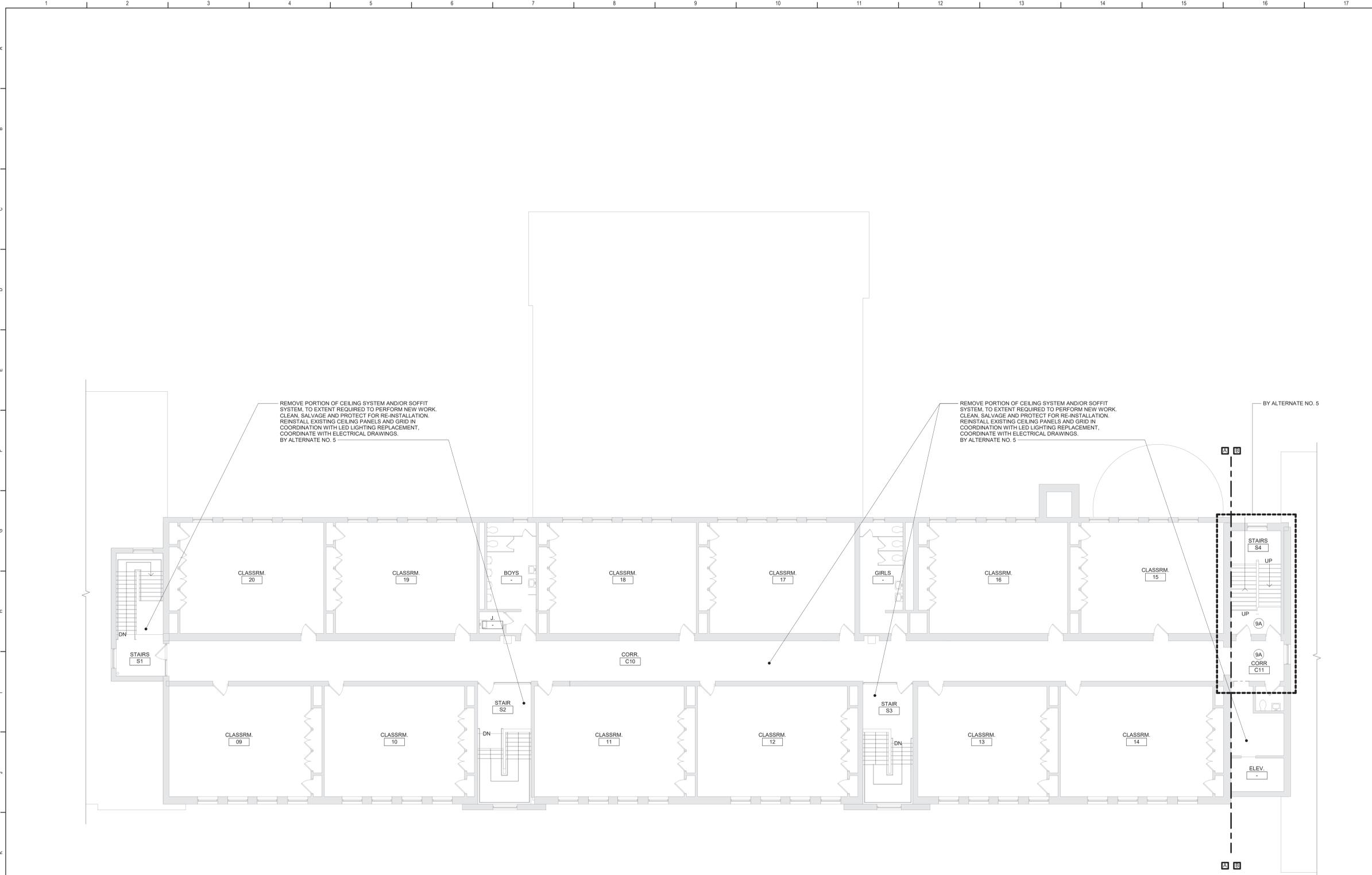
**TETRA TECH**  
ARCHITECTS & ENGINEERS

Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

First Floor Demolition Plan - Area A and B

Drawn By: TLG	Date: 10/28/2022	Drawing Number: DA101
Project No.:	279180-22004	



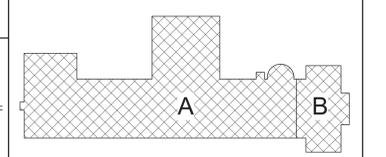
1 Second Floor Demolition Plan - Area A and B  
1/8" = 1'-0"

**General Demolition Notes**

- A. - - - - REMOVE ITEMS INDICATED BY DASHED LINE.
- B. KEYED DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS FOLLOWS:
  1. DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT SAME TYPE WITHIN THAT ENTIRE SPACE.
  2. DEMOLITION TAGS PLACED IMMEDIATELY ON OR ADJACENT TO A DASHED LINE INDICATING ITEM REMOVAL OR THAT HAVE A LEADER POINTING TO SPECIFIC ITEM(S) REFER TO DEMOLITION OF THAT SPECIFIC ITEM ONLY OF THAT TYPE WITHIN THAT SPACE.
  3. DEMOLITION TAGS IN SERIES REFER TO DEMOLITION OF ALL THOSE ITEMS EITHER WITHIN THAT ENTIRE SPACE OR TO THE SPACE IDENTIFIED BY THAT LEADER.
- C. WHEN AN ITEM IS INDICATED TO BE DEMOLISHED REMOVE ALL ASSOCIATED COMPONENTS AS PART OF THAT WORK.
- D. ALL ARTWORK NOT PERMANENTLY AFFIXED TO EXISTING CONSTRUCTION SHALL BE REMOVED AND STORED BY OWNER PRIOR TO BEGINNING DEMOLITION WORK. CONTACT OWNERS AGENT(S) IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK.
- E. COORDINATE WITH ABATEMENT DRAWINGS PRIOR TO DEMOLITION.

**Demolition Key Notes**

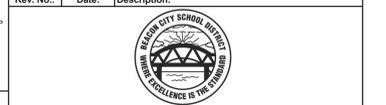
- (1H) PROVIDE NEW OR ENLARGE EXISTING OPENING IN WALL TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PROVIDE LINTEL PER LINTEL SCHEDULE. SEE STRU DRAWINGS. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. COORDINATE WITH SCHEDULED WORK ON MECHANICAL DRAWINGS.
  - (8A) REMOVE WINDOW COMPLETELY. PREPARE OPENING TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. SEE ABATEMENT DRAWINGS.
  - (9A) REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.
  - (9B) REMOVE FLOOR FINISH, MASTIC AND WALL BASE TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. AT ALL AREAS OF FLOOR REMOVAL, LEVEL SLAB WITH ADJACENT SLABS AT LOCATIONS SCHEDULED TO RECEIVE FLOOR FINISH. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS TO REMAIN THAT WERE DAMAGED BY REMOVAL OF WALL BASE.
- SUFFIX KEY (FLOOR FINISH IDENTIFICATIONS):  
A - CERAMIC FLOOR TILE



Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-016

Rev. No.	Date	Description



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**BID SET**

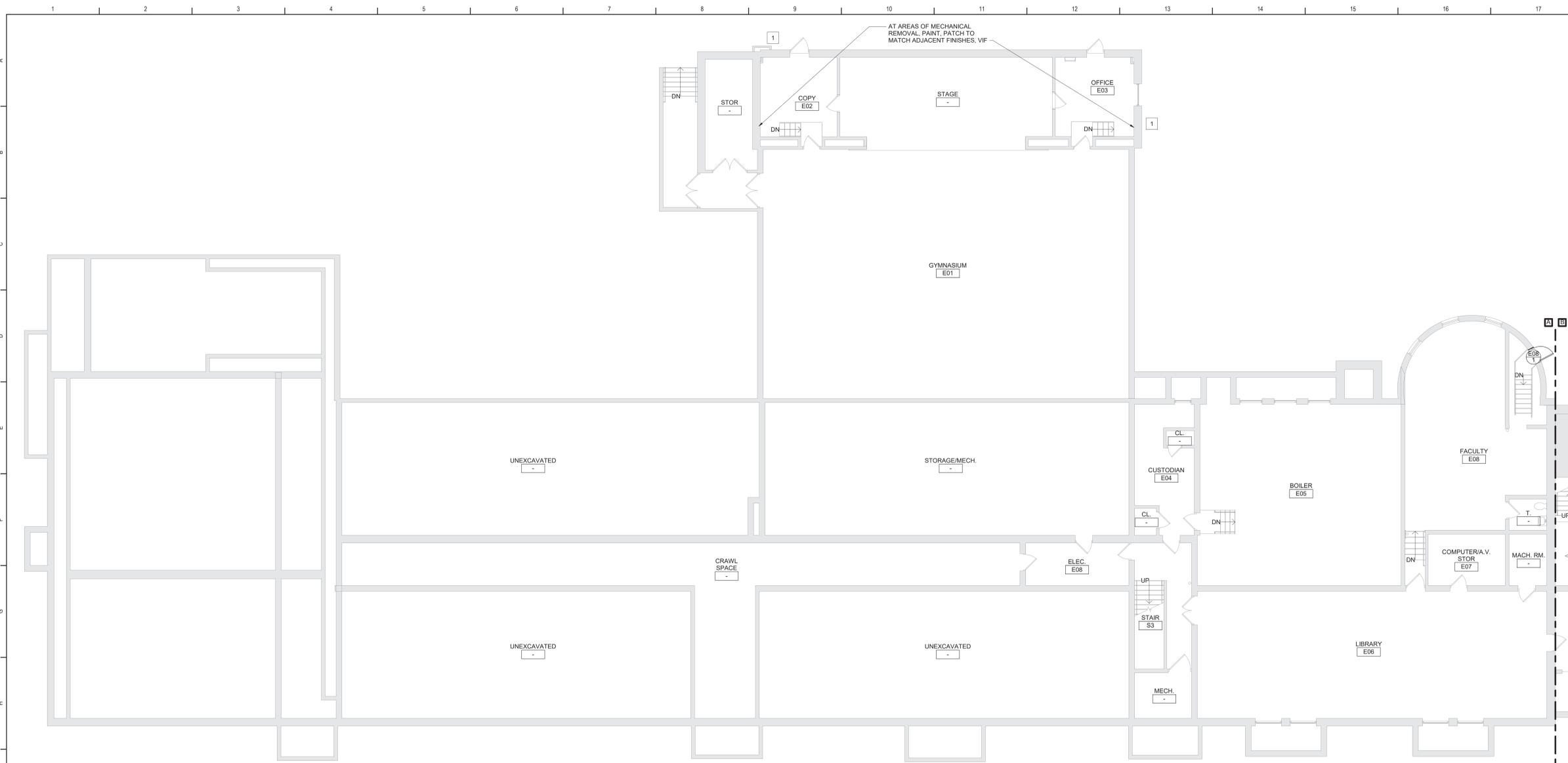


Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

Second Floor Demolition Plan - Area A and B

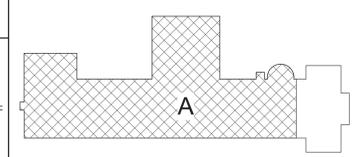
Drawn By: TLG	Date: 10/28/2022	Drawing Number: DA102
Project No.: 279180-22004		



1 Ground Floor Plan - Area A  
1/8" = 1'-0"

- General Plan Notes**
- WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED, PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.
- General Door Notes**
- HARDWARE ON DOORS FROM SPACES OF PUPIL OCCUPANCY SHALL BE A TYPE WHICH WILL ALWAYS PERMIT THE DOOR TO BE OPENED FROM THE INSIDE WITHOUT DIRECT MANIPULATION OF ANY TYPE LOCKING DEVICE.
  - APPLY CONTINUOUS JOINT SEALANT TO ALL JOINTS BETWEEN FRAMES AND WALLS. TYP ALL.
  - VERIFY SIZES OF ALL EXISTING OPENINGS IN SCHEDULE PRIOR TO FIRST SUBMISSION OF SHOP DRAWINGS. NOTIFY ARCHITECT IF ANY ARE LESS THAN CODE MINIMUM HEIGHT OF 6'-8". ASSUME FOR BIDDING ALL EXISTING OPENINGS ARE AS NOTED IN THE SCHEDULE (VIF, TYP).
  - MATERIAL DESIGNATION KEY:  
FRP FIBERGLASS REINFORCED PLASTIC  
HM HOLLOW METAL  
WD WOOD  
AL ALUMINUM  
STL STEEL  
EXG EXISTING
  - ADDITIONAL DOOR SCHEDULE DESIGNATIONS:  
- EXISTING TO REMAIN  
- NOT APPLICABLE  
- NOT APPLICABLE OR TO BE COORDINATED WITH STOREFRONT TYPE.

- Keyed Plan Notes**
- INSTALL LOUVER FURNISHED BY OTHERS AT NEW OPENING. COORDINATE WITH MECHANICAL DRAWINGS.



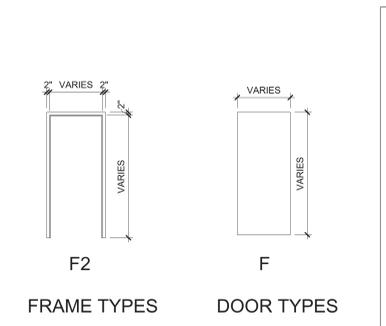
Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-016

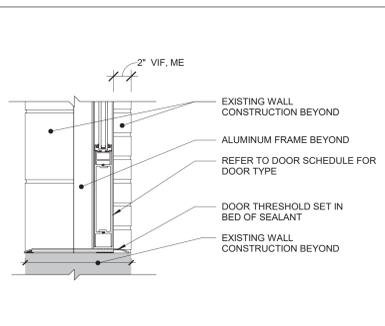
ROOM NUMBER	DOOR NUMBER	DOOR						FRAME						HDW SET	REMARKS			
		TYPE	MATERIAL	WIDTH	HEIGHT	RATING	GLAZING	TYPE	MATERIAL	WIDTH	HEIGHT	RATING	GLAZING			HEAD	JAMB	SILL
BASEMENT																		
E08	1	F	FRP	2'-6"	4'-0"	-	-	F2	AL	2'-10"	4'-2"	-	-	4/DA130	5/DA130	6/DA130	15	NOTE 1, 2 AND 3

**GENERAL NOTES:**  
VERIFY ALL DIMENSIONS IN THE FIELD

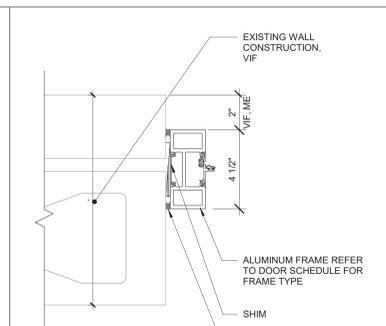
**SPECIFIC NOTES:**  
- NOT APPLICABLE  
1. THRESHOLD 2'-1" ABOVE INTERIOR LANDING, LEVEL WITH EXTERIOR GRADE, VIF.  
2. MATCH FRAME TO EXISTING OPENING HEIGHT AND WIDTH, VIF.  
3. PROVIDE 1" HIGH BUMPER SEAL THRESHOLD. FULL WIDTH OF WALL, VIF



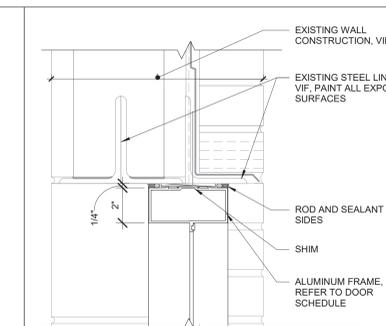
FRAME TYPES  
DOOR TYPES



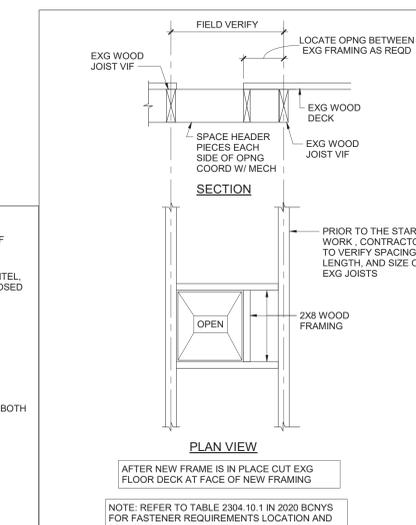
6 Threshold Detail  
1 1/2" = 1'-0"



5 Jamb Detail  
3" = 1'-0"



4 Head Detail  
3" = 1'-0"



3 Typ New Opng at Exg Wood Framed  
3/4" = 1'-0"

**1. FOR 4" THICK WALLS**

MASONRY OPENING	LINTEL ANGLE
UP TO 6'-4"	MT 6X5.9

**2. FOR 6" THICK WALLS**

MASONRY OPENING	LINTEL ANGLE
5'-0"	2-L 1/2X2 1/2X5/16
6'-0"	2-L3X2 1/2X5/16 LLV
7'-0"	2-L 1/2X2 1/2X5/16 LLV
8'-0"	2-L3 1/2X2 1/2X5/16 LLV

**3. FOR 8", 12", AND 16" THICK WALLS FOR EACH 4" THICKNESS OF WALL**

MASONRY OPENING	LINTEL ANGLE
5'-0"	L3 1/2X3 1/2X5/16
6'-0"	L4X3 1/2X 5/16 LLV
7'-0"	L6X3 1/2X5/16 LLV
8'-0"	L6X3 1/2X5/16 LLV
9'-0"	L6X3 1/2X5/16 LLV
10'-0"	L6X3 1/2X5/16 LLV

**LINTEL NOTES**

- ALL OPENINGS 1'-0" AND OVER REQUIRE LINTELS.
- STEEL TO BE A36.
- THIS SCHEDULE IS TYPICAL FOR ALL MASONRY OPENINGS IN NON-LOAD BEARING WALLS UNLESS OTHERWISE NOTED.
- ALL LINTELS TO HAVE MINIMUM 8" BEARING BOTH ENDS.
- BACK TO BACK ANGLES ARE TO BE STITCH WELDED TOGETHER BEFORE PLACEMENT.
- ALL LINTELS ARE TO HAVE BOTH ENDS BEAR ON SOLID MASONRY OR SOLIDLY GROUTED HOLLOW MASONRY.
- WHERE MINIMUM 8" BEARING LENGTH CANNOT BE PROVIDED DUE TO COLUMN INTERFERENCE, PROVIDE CONNECTION OF LINTEL TO COLUMN.
- THIS LINTEL SCHEDULE IS APPLICABLE FOR USE IN EXISTING BUILDING SHORE EXISTING STRUCTURE AND WALL AS REGD FOR INSTALLATION OF NEW MAS AND LINTEL. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.

2 Lintel Schedule  
12" = 1'-0"

Rev. No.:      Date:      Description:

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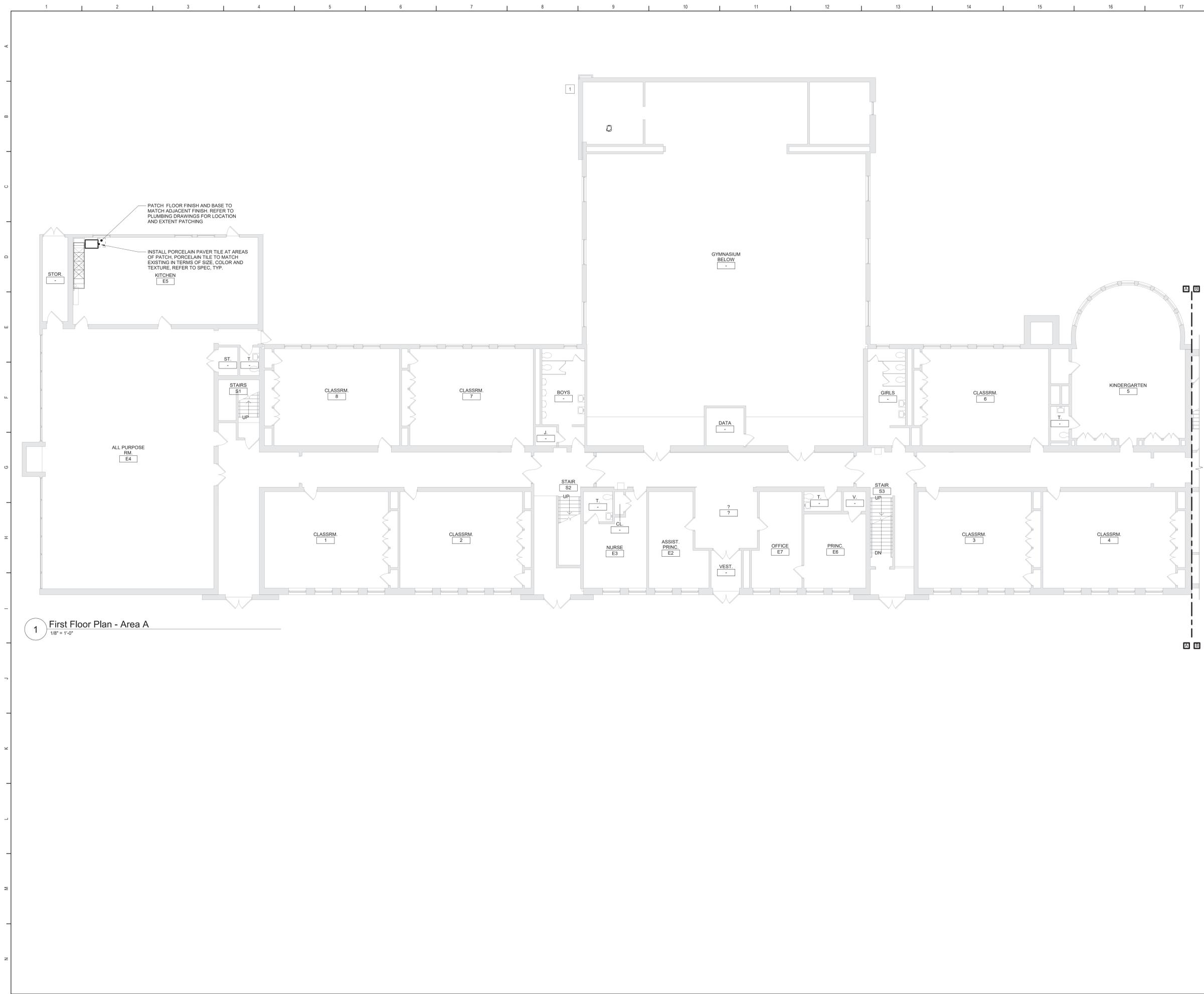
Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

Ground Floor Plan - Area A, Door Schedule, Door and Frame Types and Details

Drawn By: TLG      Date: 10/28/2022      Drawing Number: DA130

Project No.: 279180-22004

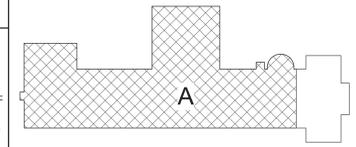


1 First Floor Plan - Area A  
1/8" = 1'-0"

- General Plan Notes**
- A. WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED, PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.
- Keyed Plan Notes**
- 1. INSTALL LOUVER FURNISHED BY OTHERS AT NEW OPENING. COORDINATE WITH MECHANICAL DRAWINGS.

PATCH FLOOR FINISH AND BASE TO MATCH ADJACENT FINISH. REFER TO PLUMBING DRAWINGS FOR LOCATION AND EXTENT PATCHING

INSTALL PORCELAIN PAVER TILE AT AREAS OF PATCH. PORCELAIN TILE TO MATCH EXISTING IN TERMS OF SIZE, COLOR AND TEXTURE. REFER TO SPEC, TYP.



Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-016

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Reconstruction to:  
South Ave Elementary School

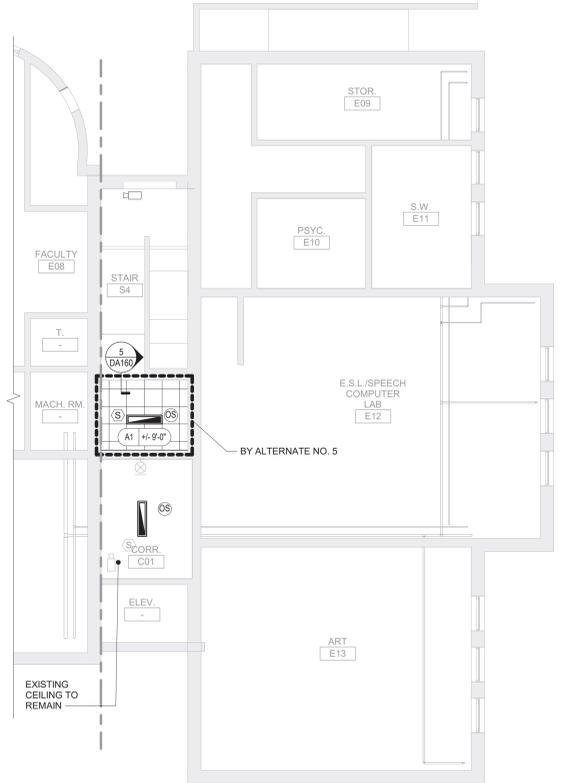
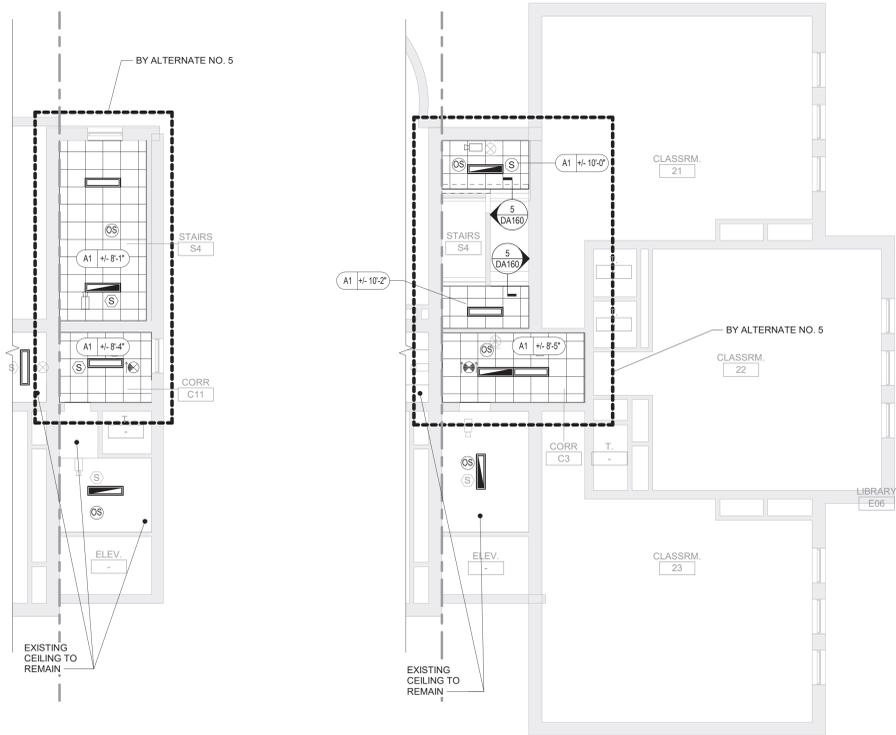
First Floor Plan - Area A

Drawn By: TLG	Date: 10/28/2022	Drawing Number: DA131
Project No.: 279180-22004		

3 Second Floor - Reflected Ceiling Plan - Area B  
1/8" = 1'-0"

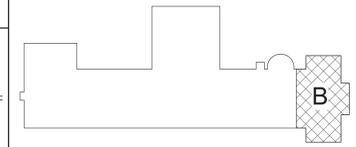
2 First Floor - Reflected Ceiling Plan - Area B  
1/8" = 1'-0"

1 Ground Floor - Reflected Ceiling Plan - Area B  
1/8" = 1'-0"



- ### General Ceiling Notes
- A. LIGHTING AND OTHER CEILING MOUNTED FIXTURES ARE SHOWN FOR DRAWING CLARITY. COORDINATE ALL CEILING WORK PRIOR TO INSTALLATION OF CEILING GRID.
  - B. CEILING HEIGHT IS 9'-0" ABOVE FINISHED FLOOR (UNO).
  - C. CENTER CEILING MOUNTED ITEMS (LIGHTS, GRILLES, DETECTORS, SPRINKLER HEAD, ETC) WITHIN THE CEILING PANELS AND GRIDS UNLESS THE PANELS ARE SCORED. CENTER ITEMS WITHIN THE PATTERN OF SCORED PANELS.
  - D. PROVIDE EXPANSION JOINT (EJ) COVERS IN CEILINGS AND SOFFITS AT EJ LOCATIONS.
  - E. PROVIDE CONTROL JOINTS IN GYPSUM BOARD CEILINGS AND SOFFITS AS DETAILED ON DRAWINGS (MAXIMUM 20'-0" OC, EVENLY SPACED, TYP UNO).
  - F. PATCH CEILING SYSTEMS TO REMAIN THAT HAVE BEEN DISTURBED BY SCHEDULED WORK TO MATCH ADJACENT CONSTRUCTION PRIOR TO PAINTING.
  - G. (X) 9'-0" DESIGNATES BOTTOM OF CEILING ABOVE FINISHED FLOOR AT THAT POINT UNO. DESIGNATION "ME" INDICATES MATCH EXISTING CEILING HEIGHT.
  - H. AT ALL LOCATIONS OF GYPSUM CEILINGS - PROVIDE 24" X 24" CONCEALED FLANGE ACCESS DOOR REGARDLESS OF LOCATION OR REQUIREMENT FOR ACCESS TO EQUIPMENT.

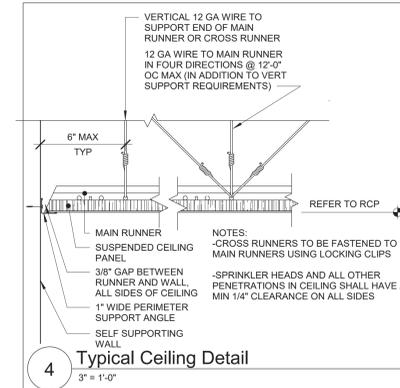
- ### Ceiling Types
- (A1 X-X') ACOUSTIC PANEL CEILING
- NOTE: AT AREAS WITH "H", THE INTENT IS TO MATCH EXISTING, VERIFY IN FIELD.



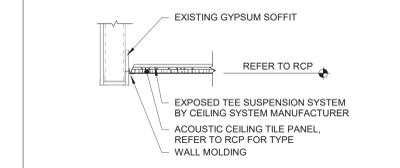
Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-016

Rev. No.	Date	Description



4 Typical Ceiling Detail  
3" = 1'-0"



5 Soffit Detail  
1" = 1'-0"

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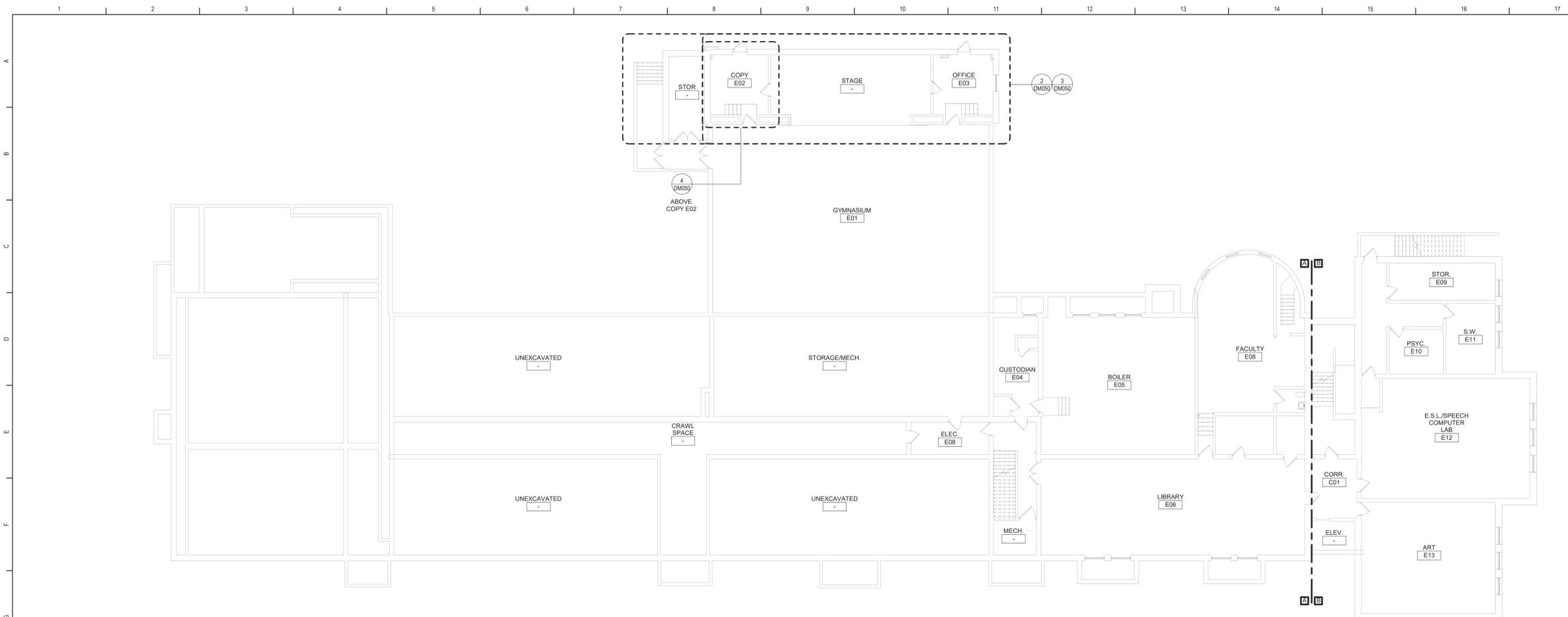
**TT TETRA TECH ARCHITECTS & ENGINEERS**

Beacon City School District  
Beacon, New York

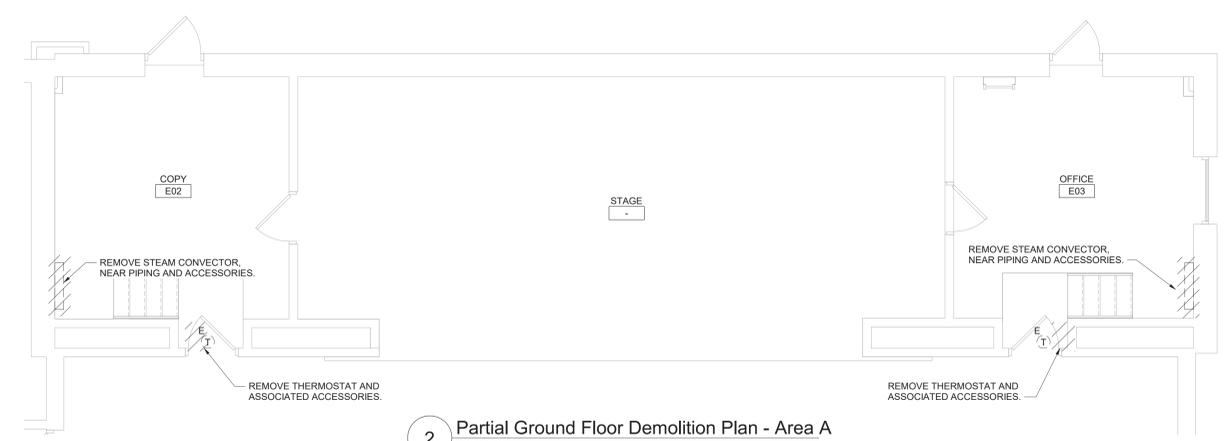
Reconstruction to:  
South Ave Elementary School

Reflected Ceiling Plans

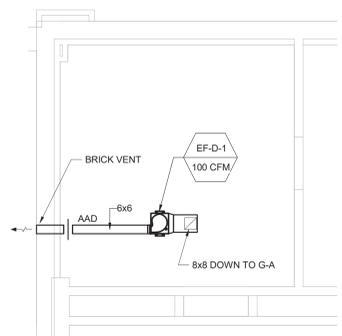
Drawn By: TLG	Date: 10/28/2022	Drawing Number:
Project No.:	279180-22004	
		DA160



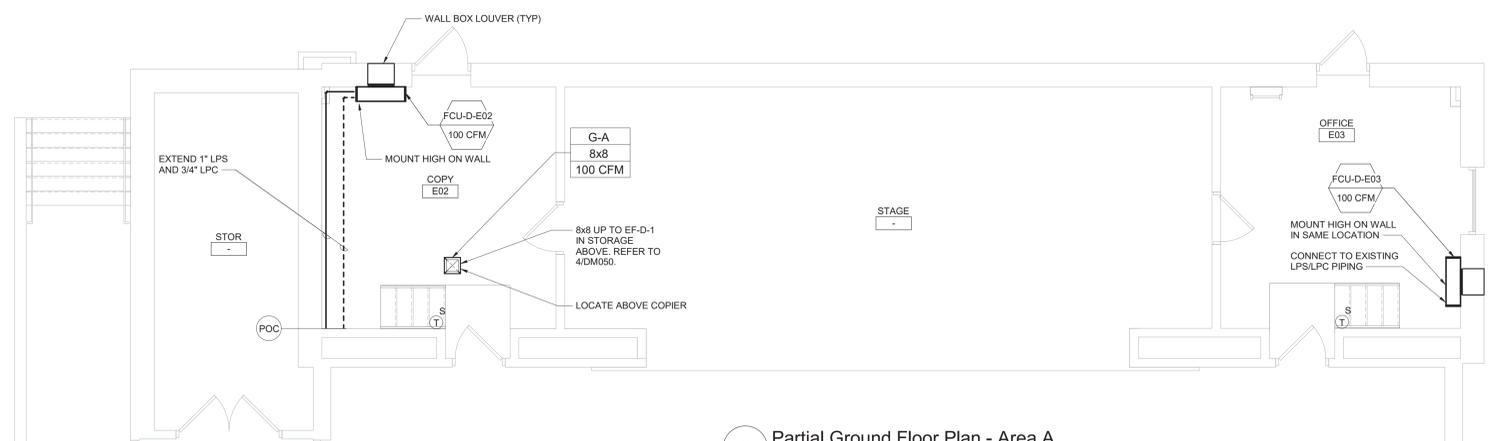
1 Ground Floor Key Plan  
3/32" = 1'-0"



2 Partial Ground Floor Demolition Plan - Area A  
1/4" = 1'-0"

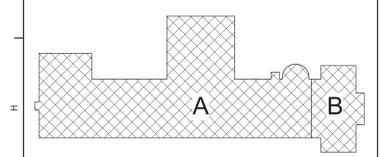


4 Storage Plan  
1/4" = 1'-0"



3 Partial Ground Floor Plan - Area A  
1/4" = 1'-0"

- General Notes**
- THE FOLLOWING GENERAL NOTES APPLY TO ALL "DM" SERIES DRAWINGS.
  - REFER TO ALL CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, FOR DETAILED STANDARDS AND REQUIREMENTS.
  - REPORT UNSAFE OR UNSATISFACTORY CONDITIONS IN WRITING TO ARCHITECT AND RESOLVE ISSUES BEFORE PROCEEDING.
  - WORK INCLUDES ALL LABOR AND MATERIALS REQUIRED TO PROVIDE COMPLETE WORKING SYSTEMS.
  - COORDINATE PHASING REQUIREMENTS AT JOB MEETINGS AND ON WORK SCHEDULES.
  - DO NOT SCALE DRAWINGS. PIPING AND DUCTWORK ARE SHOWN DIAGRAMMATICALLY. IT IS NOT POSSIBLE TO SHOW EVERY TRANSITION, FITTING, ASPECT RATIO CHANGE, ETC.; PROVIDE AS REQUIRED TO FIT WITHIN STRUCTURAL CONSTRAINTS. EXAMINE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND VERIFY ALL ACCESS, LOCATIONS, DIMENSIONS, ARRANGEMENTS, ELECTRICAL CHARACTERISTICS AND INTERFERENCE IN THE FIELD PRIOR TO BID.
  - VERIFY EXTENT OF CEILING WORK SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS. PROVIDE FOR ADDITIONAL CEILING SYSTEM REMOVAL, PROTECTION, AND REINSTALLATION AS REQUIRED FOR CONTRACT WORK.
  - DEMOLITION DRAWINGS SHOW THE GENERAL SCOPE OF ITEMS AND SYSTEMS TO BE REMOVED. IT IS NOT THE INTENT TO SHOW ALL ITEMS TO BE REMOVED. FIELD VERIFY AND REMOVE ALL ASSOCIATED ITEMS BACK TO POINT OF CONTINUED SERVICE. UNLESS OTHERWISE NOTED, VERIFY WHAT ALL EQUIPMENT SERVES PRIOR TO REMOVAL.
  - GIVE ALL REMOVED EQUIPMENT TO THE OWNER. DELIVER ON SITE WHERE DESIGNATED BY THE OWNER. PROMPTLY REMOVE FROM THE SITE AND LEGALLY DISPOSE OF ANY SUCH ITEMS DECLINED BY OWNER.
  - IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL CONFLICTS ARE ENCOUNTERED, INVESTIGATE AND REPORT BOTH NATURE AND EXTENT OF THE CONFLICT. RE-ROUTE WORK AS REQUIRED.
  - CUT, DRILL, OR OTHERWISE CREATE OPENINGS AS NEATLY AS POSSIBLE, AS REQUIRED FOR THE INDICATED CONTRACT WORK. PROVIDE SUPPORT AS REQUIRED FOR AND USE METHODS LEAST LIKELY TO DAMAGE ELEMENTS TO REMAIN. PRIOR TO WORK, VERIFY LOCATIONS OF ALL STRUCTURAL MEMBERS INCLUDING CROSS BRACINGS, ELECTRICAL WIRING, PLUMBING, ETC. PROMPTLY NOTIFY ARCHITECT OF ANY CONFLICTS. DO NOT CUT ANY STRUCTURAL MEMBERS OR OTHER SERVICES UNTIL SPECIFICALLY DIRECTED TO DO SO. PENDING RECEIPT OF DIRECTION, REARRANGE SCHEDULE AS NECESSARY TO CONTINUE OVERALL JOB PROGRESS WITHOUT DELAY.
  - PATCH ALL DISTURBANCES RESULTING FROM DEMOLITION OR NEW WORK TO MATCH SURROUNDING SURFACES. PATCH FOLLOWING DEMOLITION, AND AGAIN FOLLOWING WORK WHERE HOLES REMAIN FROM REMOVALS. INFILL AND PATCH TO MATCH UNLESS HOLE IS TO BE REUSED.
  - PROTECT ALL CONTRACT EQUIPMENT, ELEMENTS TO REMAIN, OWNER'S BELONGINGS, AND EQUIPMENT TO BE REUSED OR RETAINED BY OWNER DURING ALL CONTRACT WORK. AT NO ADDITIONAL COST TO OWNER, REPAIR OR REPLACE ITEMS WHICH ARE DAMAGED.
  - THOROUGHLY CLEAN FOLLOWING DEMOLITION AND BEFORE BEGINNING CONTRACT INSTALLATIONS. THOROUGHLY CLEAN AGAIN DURING AND FOLLOWING CONTRACT WORK AS REQUIRED. LEAVE ALL WORK AREAS CLEANER THAN FOUND. LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS.
  - PROVIDE TEMPORARY PIPING, DUCT, HEAT, WEATHERPROOFING, ETC. TO SERVICES TO REMAIN UNTIL PERMANENT INSTALLATIONS CAN BE MADE.
  - ALL EXCESS MATERIALS AND SCRAPS ARE CONTRACTORS' PROPERTY. PROMPTLY REMOVE FROM SITE UNLESS SPECIFICALLY DIRECTED OTHERWISE.
  - EXISTING HVAC COMPONENTS IN THIS BUILDING MAY CONTAIN, BE IN PROXIMITY TO, OR WORK ON THEM MAY CAUSE DISTURBANCE OF ASBESTOS CONTAINING OR OTHER HAZARDOUS MATERIALS. REFER TO ABATEMENT SERIES DRAWINGS AND SPECIFICATIONS COMPLETE FOR ADDITIONAL INFORMATION.
  - SEAL ALL FLOOR, WALL AND CEILING PENETRATIONS PER FIRE-RESISTANCE RATINGS NOTED ON AG-SERIES DRAWINGS, BUT NOT LESS THAN 1-HOUR, AND IN ACCORDANCE WITH SECTION 07 84 13 - PENETRATION FIRESTOPPING. THIS INCLUDES ALL NEW PENETRATIONS AND EXISTING UNFIRESTOPPED PENETRATIONS CREATED BY REMOVALS, AS REQUIRED TO PERFORM THE WORK.



Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-106

Rev. No.	Date	Description



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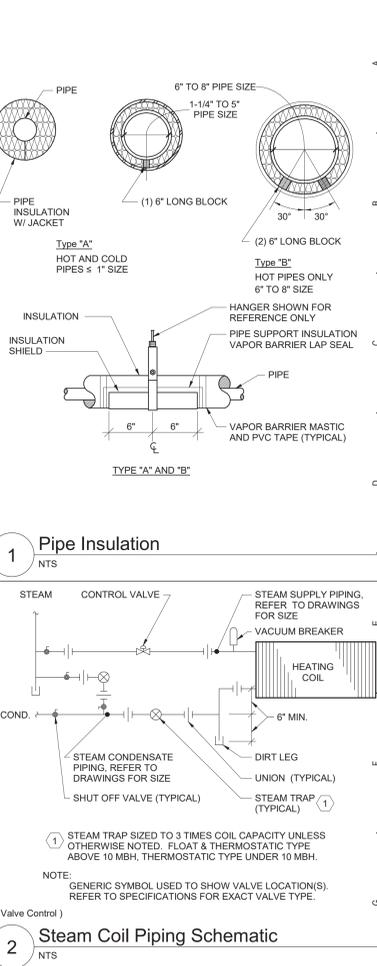
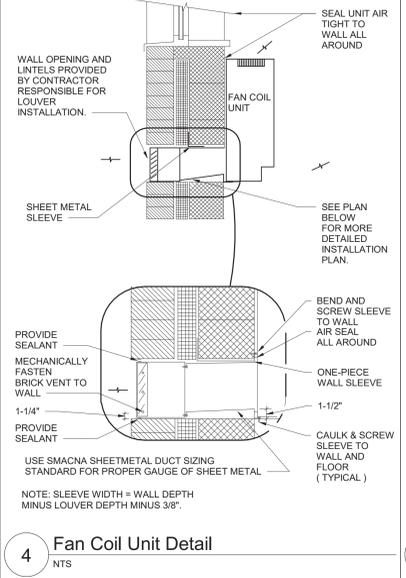
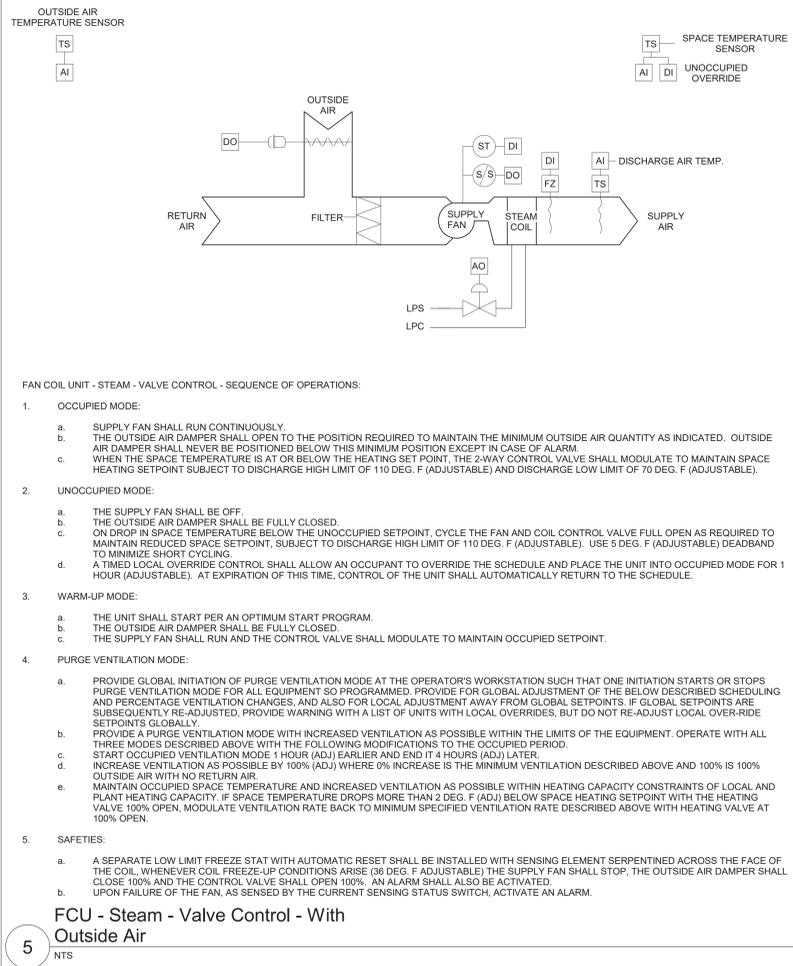
Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

Ground Floor Floor Key, Demolition and Floor Plans

Drawn By: JPF/igjm	Date: 10/28/2022	Drawing Number: DM050
Project No.:	279180-22004	

BID SET



**TEMPERATURE CONTROLS SYMBOLS LIST**

AI	ANALOG IN
AO	ANALOG OUT
COM	COMMUNICATIONS PORT
CS	AIRBORNE CONTAMINANT SENSOR
DI	DIGITAL IN
DM	DAMPER MOTOR
DO	DIGITAL OUT
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
F	FLOW (WATER/AIR)
FM	FLOW METER
FS	AIR FLOW SENSOR
FZ	FREEZE STAT
H	HUMIDITY SENSOR
HL	HIGH LIMIT
KWH	KILOWATT HOUR METER
LL	LOW LIMIT
M/S	MANUAL SWITCH STOP / START
P	PRESSURE SENSOR
DP	DIFFERENTIAL PRESSURE
PS	POSITION SENSOR
S/S	STOP / START
SD	SMOKE DETECTOR
ST	STATUS
START	STARTER
T	ADJUSTABLE THERMOSTAT
TS	TEMPERATURE SENSOR
VFD	VARIABLE FREQUENCY DRIVE
WS	WATER SENSOR
%	PERCENT
ES	END SWITCH
BS	BOILER SWITCH

**SOUTH AVE BUILDING/EQUIPMENT VENTILATION CALCULATIONS**

EQUIPMENT NUMBER	ZONE ID				MINIMUM VENTILATION RATES								
	ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	Az - AREA (SF)	Pz - ZONE OCCU #/1000 FT	ZONE OCCU	Rp (CFM/Person)	RpP	Ra (CFM/SF)	RaA	Vbz (CFM)	EZ	Voz (CFM)
FCU-D-E02	E02	COPY	Office Space	189	5	1	5	5	0.06	11	16	1	20
FCU-D-E03	E03	OFFICE	Office Space	194	5	1	5	5	0.06	12	17	1	20

NOTES:  
 Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW,  
 Ez = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW

**FAN COIL UNIT (FCU) SCHEDULE**

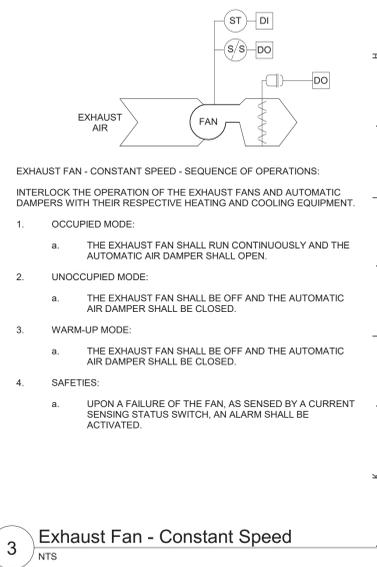
DWG LABEL	LOCATION	MODEL NO.	SA CFM	HEATING DATA			STEAM PRESS.			SUPPLY FAN			ELECTRICAL				NOTES
				MIN. OA	NO. ROW	EAT (°F)	LAT (°F)	CAP. (MBH)	ESP (PSI)	ESP (IN. WG.)	RPM	MOTOR SIZE (HP)	V/PH	FLA	MCA	MOP	
FCU-D-E02	COPY E-02	FFF8020	100	20	1	56.2	153.3	10.5	2	0.00	120V/1ø	2.2	2.8	15	1-6		
FCU-D-E03	OFFICE E-03	FFF8020	100	20	1	56.2	153.3	10.5	2	0.00	120V/1ø	2.2	2.8	15	1-6		

NOTES:  
 1. DESIGN BASIS: TRANE  
 2. VERTICAL WALL HUNG CABINET UNIT  
 3. PROVIDE 1" MERV13 FILTER.  
 4. PROVIDE NEMA 1 DISCONNECT SWITCH.  
 5. VERIFY PIPE AND ELECTRICAL LEFT/RIGHT HAND CONNECTIONS PRIOR TO ORDERING.  
 6. PROVIDE FRONT BOTTOM INLET, FRONT TOP OUTLET AND BACK FRESH AIR INTAKE WITH WALL BOX LOUVER.

**FAN (EF) SCHEDULE**

DWG LABEL	SERVES	TYPE	MODEL NO.	FAN DATA				ELECTRICAL				NOTES	
				CFM	SP (IN WG)	SONES	RPM	TIP SPEED (FPM)	DRIVE	BHP	HP		V/PH
EF-D-1	COPY E02	IN-LINE CENTRIFUGAL	GN-148	100	0.40	2.0	980	1960	DIRECT	41W	1/8	120 V/1ø	1.4

NOTES:  
 1. DESIGN BASIS: LOREN COOK  
 2. PROVIDE 4" WALL BRICK VENT.  
 3. PROVIDE NEMA 1 DISCONNECT  
 4. SONES, TIP SPEED AND BHP ARE MAXIMUM ALLOWABLE. CFM, SP AND OPENING ARE MINIMUM ALLOWABLE.



**S.E.D. Control No. 13-02-00-01-0-003-1016**

Rev. No.:	Date:	Description:

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**BID SET**

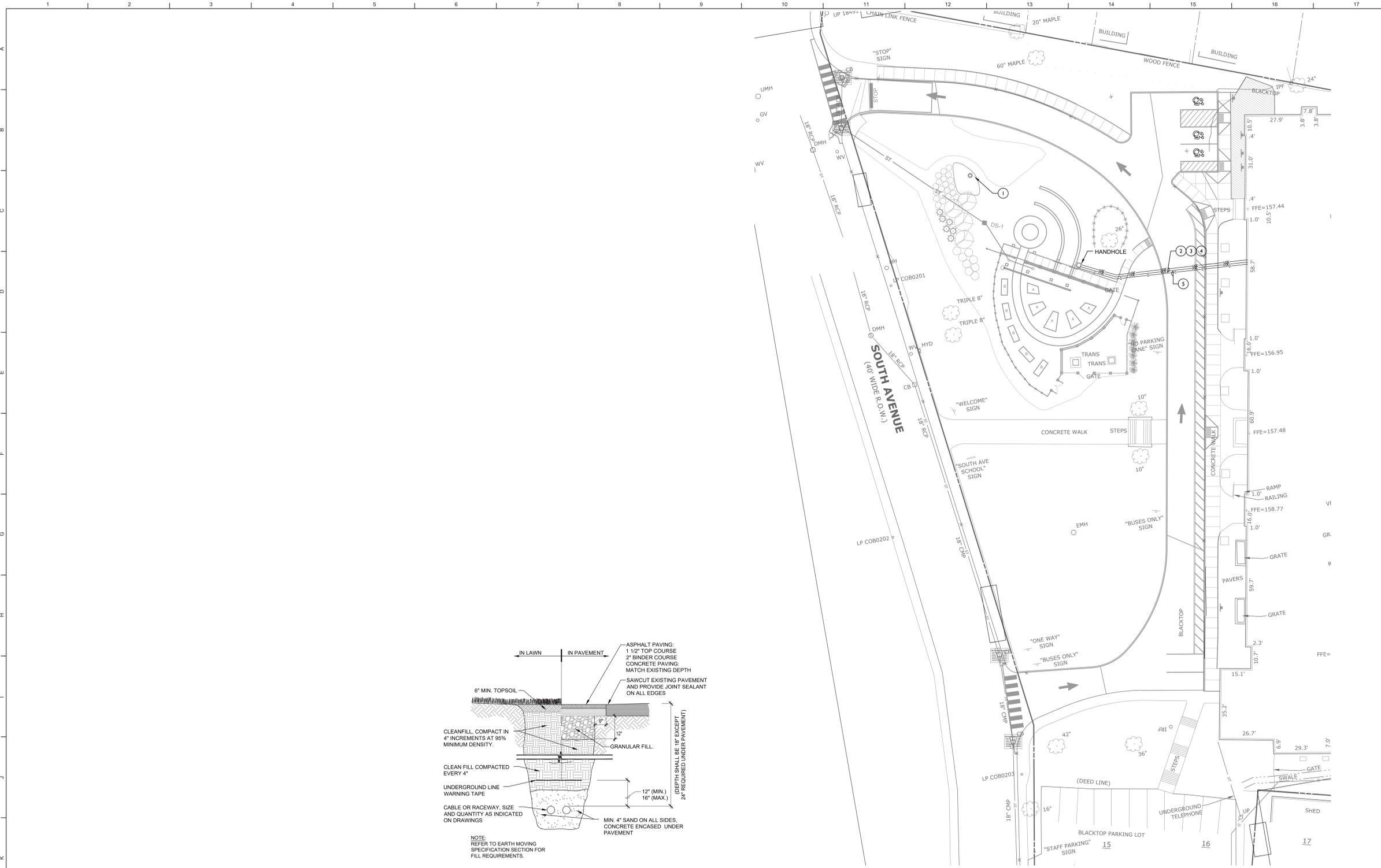
**TETRA TECH ARCHITECTS & ENGINEERS**

Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

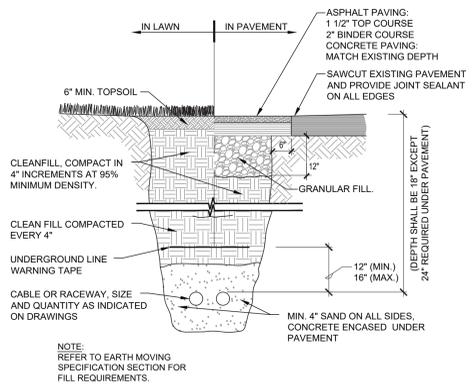
Details, Schedules and Controls

Drawn By: JPF/igpm Date: 10/28/2022 Drawing Number:  
 Project No.: 279180-22004 **DM500**



**2** Underground Cable and Raceway Trench Detail  
N.T.S.

**1** Electrical Site Plan - Outdoor Classroom  
1" = 20'



**General Site Notes**

1. REFER TO DRAWING DE100 FOR GENERAL NOTES.

**Keyed Notes**

1. PROVIDE SOLAR FLAG POLE LIGHT BASE ON MODEL 1980 LM BY LIGHTING SOLUTIONS.
2. PROVIDE (2)#12, (1)#12 G IN 1/2" CONDUIT FROM 120V PANEL IN ELEC 08 TO HANDHOLE. THEN TO GFCI RECEPTACLES. SEE DRAWINGS DE130 AND DE131 FOR MORE INFORMATION.
3. PROVIDE (2)#12, (1)#12 G IN 1/2" CONDUIT FROM 120V PANEL IN ELEC 08 TO HANDHOLE. THEN TO LUMINAIRES. SEE DRAWINGS DE130 AND DE131 FOR MORE INFORMATION.
4. PROVIDE 1" SPARE CONDUIT FROM INSIDE BUILDING TO HANDHOLE FOR FUTURE USE.
5. PROVIDE WATERPROOF CAT 6A CABLE IN 1" CONDUIT FROM NEAREST DATA RACK INSIDE BUILDING TO WIRELESS ACCESS POINT. SEE DRAWING DE131 FOR MORE INFORMATION.

S.E.D. Control No. 13-02-00-01-0-003-016

Rev. No.	Date	Description



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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

**BID SET**



Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

Electrical Site Plans

Drawn by: SAS	Date: 10/28/2022	Drawing No.:
Project No.:	DE001	

**Keyed Notes:**

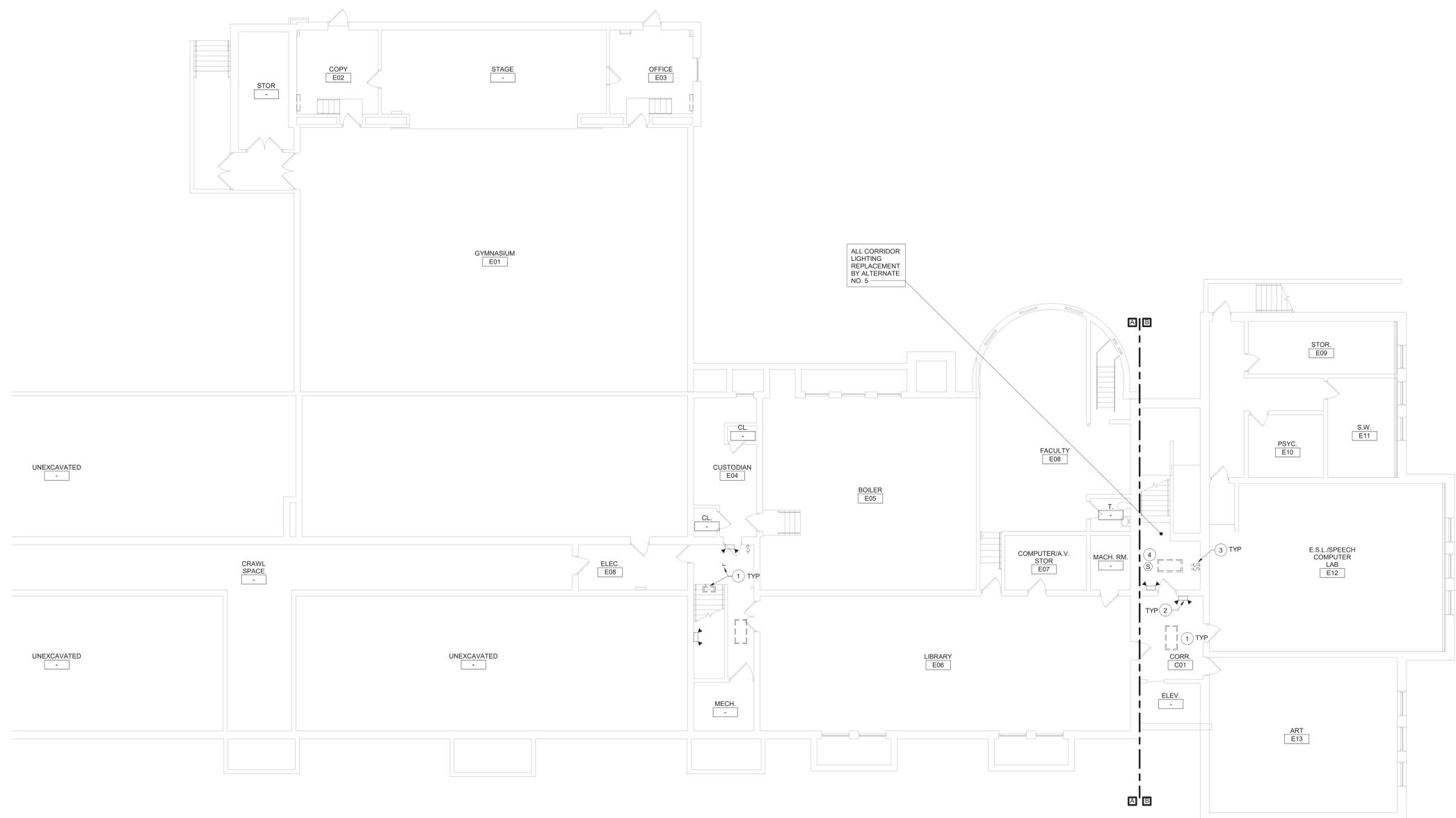
- 1 REMOVE LUMINAIRE(S) AND CIRCUITRY COMPLETE BACK TO SOURCE.
- 2 REMOVE WALL OR CEILING MOUNTED EMERGENCY LIGHT. REMOVE EXISTING CIRCUITRY BACK TO NEAREST JUNCTION BOX OR DEVICE OUTSIDE OF DEMOLITION AREA. MODIFY EXISTING SYSTEM CIRCUITRY TO ALLOW FOR PROPER OPERATION OF REMAINING DEVICES ON CIRCUIT.
- 3 REMOVE LIGHT SWITCH(ES) CONTROLLING CORRIDOR LUMINAIRES. REMOVE EXISTING CIRCUITRY BACK TO NEAREST JUNCTION BOX OR DEVICE OUTSIDE OF DEMOLITION AREA. MODIFY EXISTING SYSTEM CIRCUITRY TO ALLOW FOR PROPER OPERATION OF REMAINING DEVICES ON CIRCUIT. PROVIDE BLANK COVER PLATE.
- 4 REMOVE, CLEAN AND STORE CEILING MOUNTED DEVICES IN CEILINGS THAT ARE BEING REPLACED. TAG CIRCUITRY FOR RE-USE.

**Demolition General Notes**

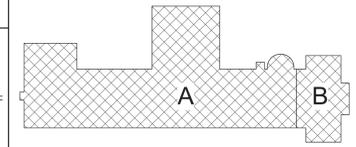
- A. ALL ELECTRICAL DEVICES INTERFERING WITH DEMOLITION WORK SHALL BE DISCONNECTED AND REMOVED, UNLESS OTHERWISE NOTED. EXISTING CIRCUIT WIRING SHALL BE REMOVED BACK TO SOURCE AND PANEL DIRECTORIES MODIFIED ACCORDINGLY.
- B. ANY DEVICE INTERFERING WITH DEMOLITION WORK NOT SHOWN ON THESE DRAWINGS SHALL NOT BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE OR THE ENGINEER.
- C. ALL ELECTRICAL DEMOLITION WORK SHALL BE PROPERLY COORDINATED WITH ALL OTHER TRADES.
- D. EC IS SOLELY RESPONSIBLE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED LUMINAIRES AND BALLASTS THAT MAY CONTAIN PCBs (POLYCHLORINATED BIPHENYLS), IN ACCORDANCE WITH ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAWS.
- E. EC IS SOLELY RESPONSIBLE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED FLUORESCENT LIGHT TUBES THAT MAY CONTAIN MERCURY, IN ACCORDANCE WITH ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAWS.
- F. AT ALL CORRIDORS WHERE NEW CEILINGS ARE BEING INSTALLED, DISCONNECT AND REMOVE DEVICES AS INDICATED, TAG EXISTING WIRING FOR REUSE.
- G. ALL DEVICES THAT ARE SCHEDULED TO BE REMOVED, CLEANED, STORED AND RE-INSTALLED SHALL BE TESTED PRIOR TO REMOVAL. IF ANY DEVICES IS NOT IN WORKING ORDER, NOTIFY ENGINEER AND OWNER'S REPRESENTATIVE PRIOR TO REMOVAL.

**General Notes**

- A. COORDINATE ALL ELECTRICAL WORK AND POWER OUTAGES WITH OWNER AND OTHER TRADES PRIOR TO THE START OF CONSTRUCTION. NO POWER OUTAGES SHALL OCCUR WITHOUT OWNER'S PRIOR KNOWLEDGE AND CONSENT.
- B. REFER TO DRAWING G100 FOR STANDARD SYMBOLS AND ABBREVIATIONS.
- C. AT ALL CORRIDORS WHERE NEW CEILINGS ARE BEING INSTALLED, REINSTALL ALL DEVICES ON NEW CEILINGS AS SHOWN ON NEW WORK DRAWINGS AND EXTEND/MODIFY EXISTING CIRCUITRY AS NECESSARY.
- D. CIRCUIT EXIT AND EMERGENCY LUMINAIRES TO UNSWITCHED HOT LEG OF LIGHTING CIRCUIT OF THE AREA BEING SERVED BY OR ADJACENT TO THE LUMINAIRE. REFER TO PLANS AND DETAILS FOR MINUTIAE INVERTER INFORMATION.
- E. ANY EXISTING CEILING DEVICES IN CONFLICT WITH NEW WORK SHALL BE RELOCATED AND CENTERED IN ADJACENT CEILING T.I.E. EXTEND/MODIFY EXISTING CIRCUITRY AND CONTROLS AS NECESSARY.
- F. CIRCUIT WIRING FOR ALL LIGHTING CIRCUITS SHALL BE IN 1/2" EMT CONDUIT (MIN) OR TYPE MC CABLE CONCEALED ABOVE CEILINGS AND IN WALLS (REFER TO SPECIFICATION SECTION 26 05 33 FOR LOCATIONS WHERE MC CABLE IS ACCEPTABLE). ALL CIRCUIT CONDUCTORS SHALL BE #12AWG COPPER (MIN) 90°C THHN THERMOPLASTIC INSULATION.
- G. PROPERLY IDENTIFY ALL CIRCUITS AT PANELS AND J-BOXES AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- H. PROVIDE ALL ADAPTERS, COUPLINGS AND ASSOCIATED FITTINGS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM.
- I. WHEN INSTALLING NEW DEVICES IN EXISTING LOCATIONS, REUSE EXISTING CONDUIT/RACEWAY AND BACK BOXES IF IN GOOD CONDITION. EXTEND/INSTALL NEW CONDUIT/RACEWAY AS REQUIRED FOR PROPER MOUNTING OF DEVICE. CONCEAL ABOVE CEILINGS OR WITHIN WALLS WHERE POSSIBLE. REFER TO SPECIFICATION SECTION 26 05 33.
- J. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES.
- K. TESTS OF ALL ELECTRICAL WORK SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OR ARCHITECT. AS EQUIPMENT IS INSTALLED AND AS SYSTEMS ARE COMPLETED. IN ADDITION AN ELECTRIC APPROVED CERTIFICATE SHALL BE ISSUED BY AN ELECTRICAL INSPECTION AGENCY.
- L. UNLESS NOTED ELSEWHERE ON THE CONTRACT DOCUMENTS, THE FOLLOWING LIST REPRESENTS THE TYPICAL MOUNTING HEIGHTS FOR THE DEVICES SHOWN:
  1. SWITCHES AND PANIC STATIONS.....48" (TO TOP)
  2. RECEPTACLES.....16"
  3. COMPUTER RECEPTACLES.....48" (TO TOP)
  4. WALL (W) TELEPHONE AND CALL SWITCHES.....48" (TO TOP)
  5. TELEPHONE OUTLETS (UNLABELED).....16"
  6. VOLUME CONTROLS.....48" (TO TOP)
  7. TELEVISION OUTLETS.....16"
  8. FIRE ALARM PULL STATIONS.....48" (TO TOP)
  9. FIRE ALARM AUDIO/VISUAL UNITS.....88" (OR 6" BELOW CEILING, WHICHEVER IS LOWER)
  10. POWER PANELS.....72" (TO TOP)
  11. DISCONNECT SWITCHES.....60" (TO TOP)
  12. MOTOR STARTERS.....60" (TO TOP)
 THE HEIGHTS INDICATED SHALL BE NOMINAL TO THE BOTTOM OF THE BOX UNLESS NOTED OTHERWISE. MAINTAIN HEIGHT CONSISTENCY BETWEEN NEW AND EXISTING DEVICES.



1 Ground Floor Demolition Plan - Areas A and B  
1/8" = 1'-0"



Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-106

Rev. No.	Date	Description



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**BID SET**

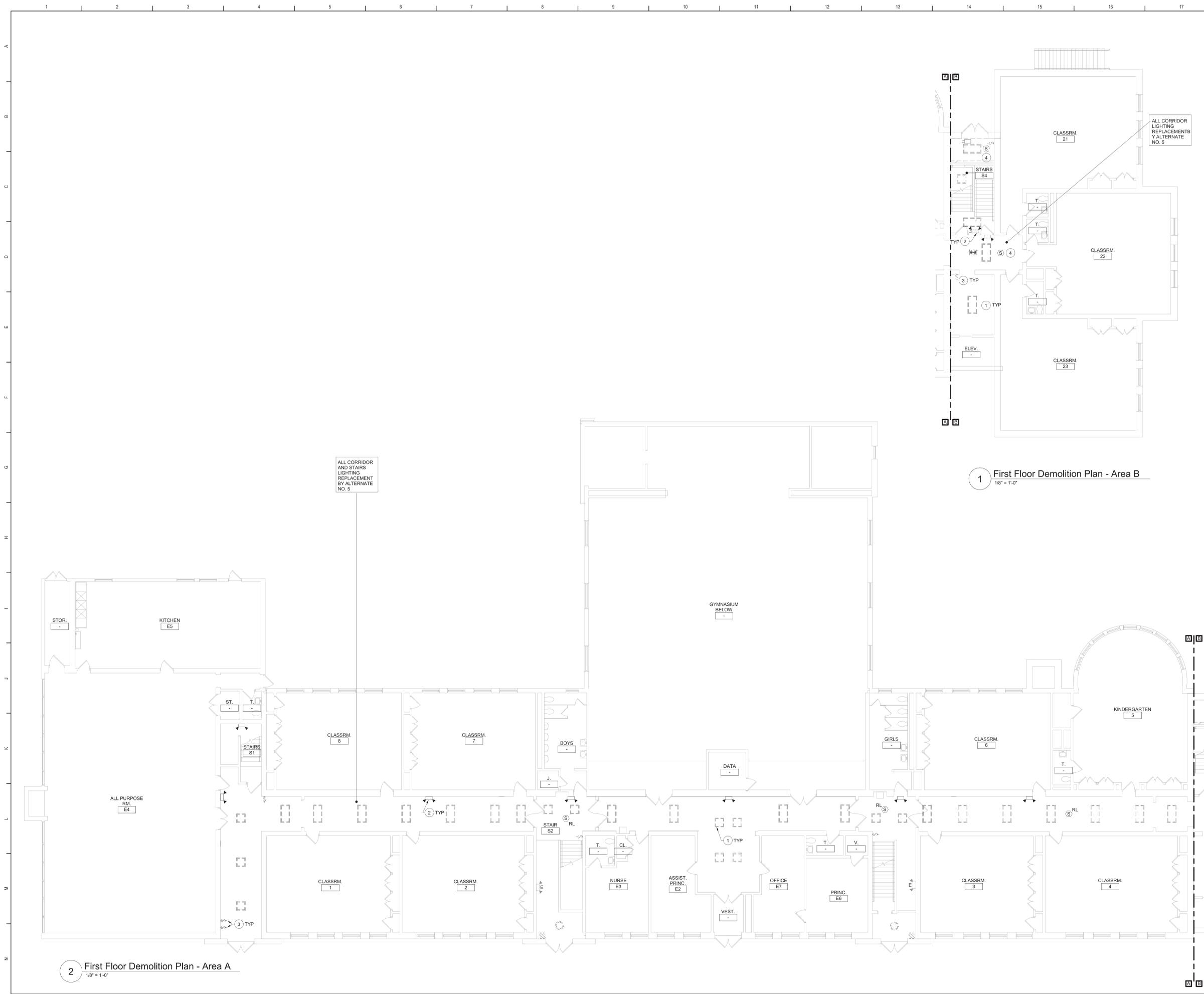


Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

Ground Floor Demolition Plan - Areas A and B

Drawn By: SAS	Date: 10/28/2022	Drawing Number: <b>DE100</b>
Project No.: 279180-22004		



1 First Floor Demolition Plan - Area B  
1/8" = 1'-0"

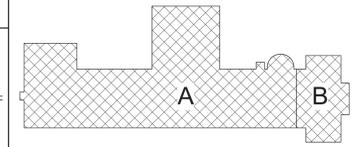
2 First Floor Demolition Plan - Area A  
1/8" = 1'-0"

**Keyed Notes:**

- 1 REMOVE LUMINAIRE(S) AND CIRCUITRY COMPLETE BACK TO SOURCE.
- 2 REMOVE WALL OR CEILING MOUNTED EMERGENCY LIGHT. REMOVE EXISTING CIRCUITRY BACK TO NEAREST JUNCTION BOX OR DEVICE OUTSIDE OF DEMOLITION AREA. MODIFY EXISTING SYSTEM CIRCUITRY TO ALLOW FOR PROPER OPERATION OF REMAINING DEVICES ON CIRCUIT.
- 3 REMOVE LIGHT SWITCH(IES) CONTROLLING CORRIDOR LUMINAIRES. REMOVE EXISTING CIRCUITRY BACK TO NEAREST JUNCTION BOX OR DEVICE OUTSIDE OF DEMOLITION AREA. MODIFY EXISTING SYSTEM CIRCUITRY TO ALLOW FOR PROPER OPERATION OF REMAINING DEVICES ON CIRCUIT. PROVIDE BLANK COVER PLATE.
- 4 REMOVE, CLEAN AND STORE CEILING MOUNTED DEVICES IN CEILING THAT ARE BEING REPLACED. TAG CIRCUITRY FOR RE-USE.

**General Notes:**

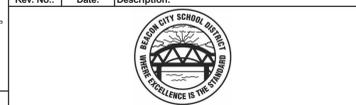
- A. REFER TO DRAWING DE100 FOR GENERAL NOTES



Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-016

Rev. No.	Date	Description



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**BID SET**

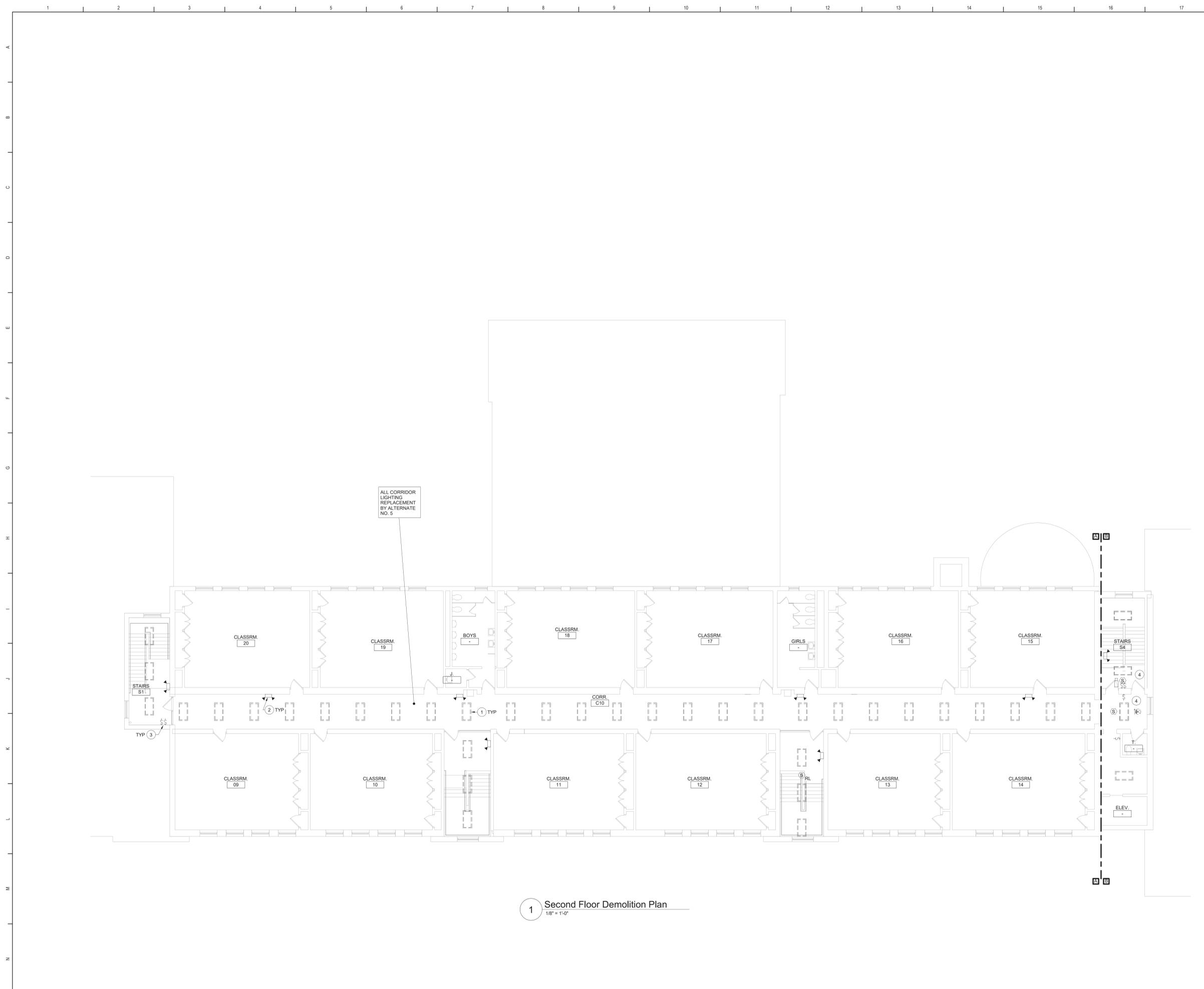


Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

First Floor Demolition Plan - Areas A and B

Drawn By: SAS	Date: 10/28/2022	Drawing Number:
Project No.:	279180-22004	
		DE101



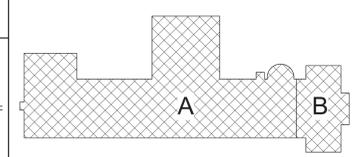
1 Second Floor Demolition Plan  
1/8" = 1'-0"

**Keyed Notes:**

- 1 REMOVE LUMINAIRE(S) AND CIRCUITRY COMPLETE BACK TO SOURCE.
- 2 REMOVE WALL OR CEILING MOUNTED EMERGENCY LIGHT. REMOVE EXISTING CIRCUITRY BACK TO NEAREST JUNCTION BOX OR DEVICE OUTSIDE OF DEMOLITION AREA. MODIFY EXISTING SYSTEM CIRCUITRY TO ALLOW FOR PROPER OPERATION OF REMAINING DEVICES ON CIRCUIT.
- 3 REMOVE LIGHT SWITCH(IES) CONTROLLING CORRIDOR LUMINAIRES. REMOVE EXISTING CIRCUITRY BACK TO NEAREST JUNCTION BOX OR DEVICE OUTSIDE OF DEMOLITION AREA. MODIFY EXISTING SYSTEM CIRCUITRY TO ALLOW FOR PROPER OPERATION OF REMAINING DEVICES ON CIRCUIT. PROVIDE BLANK COVER PLATE.
- 4 REMOVE, CLEAN AND STORE CEILING MOUNTED DEVICES IN CEILINGS THAT ARE BEING REPLACED. TAG CIRCUITRY FOR RE-USE.

**General Notes:**

- A. REFER TO DRAWING DE100 FOR GENERAL NOTES



Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-016

Rev. No.	Date	Description



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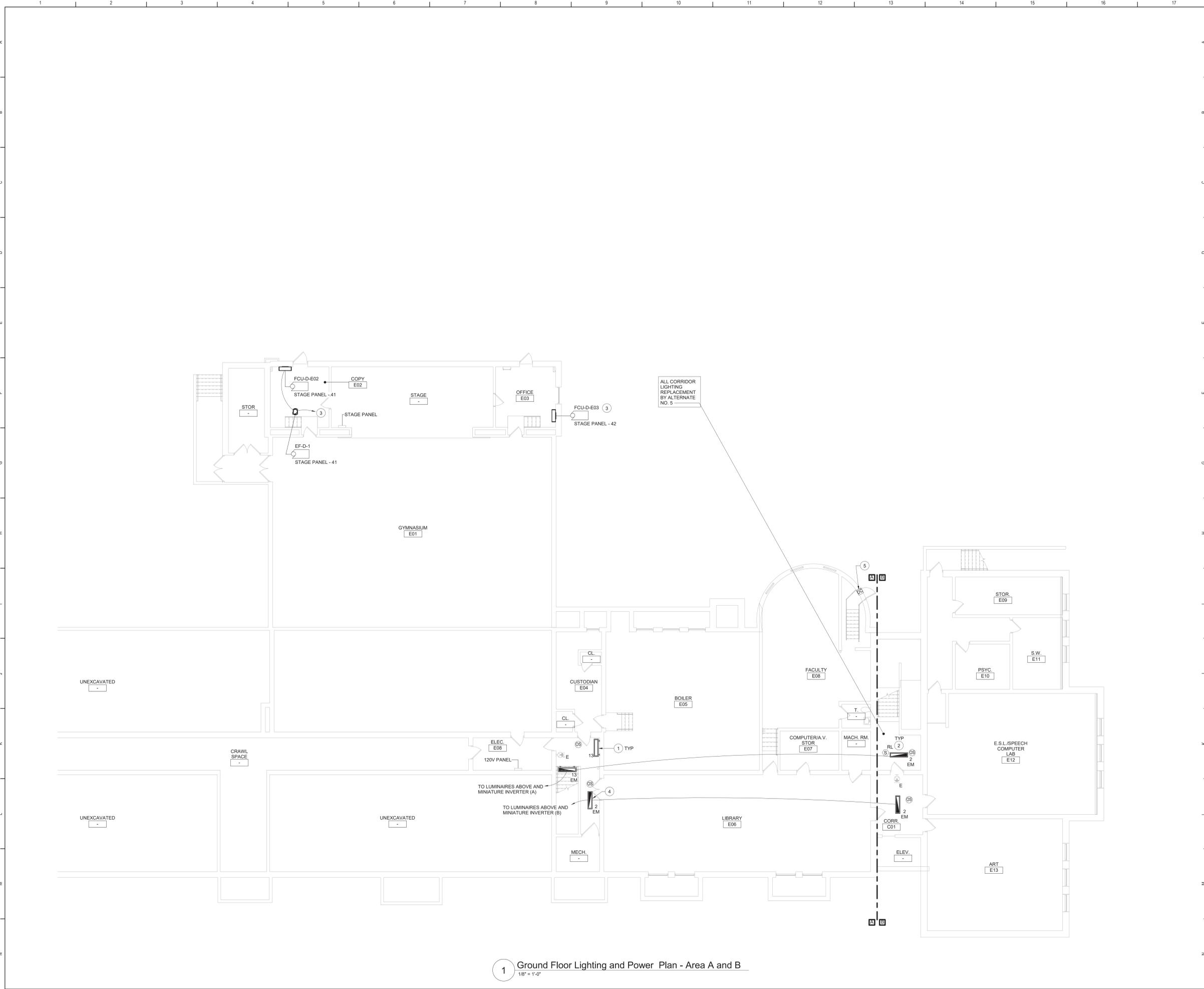
Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

Second Floor Demolition Plan

Drawn By: SAS	Date: 10/28/2022	Drawing Number: DE102
Project No.: 279180-22004		

**BID SET**

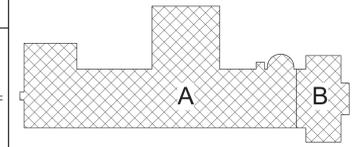


**Keyed Notes:**

- 1 CONNECT LUMINAIRES TO EXISTING CIRCUIT BREAKER PREVIOUSLY SERVING THE AREA USING (2#12, (1#12 G. IN 1/2" CONDUIT. LUMINAIRES TO BE CONTROLLED BY OCCUPANCY SENSORS AND DIRECT DIGITAL CONTROL SYSTEM.
- 2 RE-INSTALL STORED CEILING MOUNTED DEVICES IN CEILINGS THAT ARE BEING REPLACED. CENTER DEVICES IN CEILING GRID CLOSEST TO EXISTING LOCATION. MODIFY/EXTEND CIRCUITRY AS NECESSARY.
- 3 PROVIDE 20A1P BREAKER IN AVAILABLE SPACE IN STAGE PANEL. CONNECT USING (2#12, (1#12 G. IN 1/2" CONDUIT. NEW BREAKER TO BE UL LISTED FOR USE IN PANEL AND MEET OR EXCEED AIC RATING OF EXISTING PANEL. AMEND PANEL DIRECTORY ACCORDINGLY.
- 4 PROVIDE SURFACE MOUNT KIT FOR LUMINAIRE.
- 5 PROVIDE DOOR CONTACT FOR MONITORING OF DOOR. TIE INTO EXISTING BUILDING MONITORING SYSTEM.

**General Notes:**

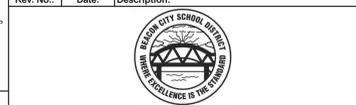
- A. REFER TO DRAWING DE050 FOR GENERAL NOTES.
- B. REFER TO DRAWING DE050 FOR LUMINAIRE SCHEDULE.
- C. SECURE ALL EXISTING UNSUPPORTED CABLES ABOVE CEILINGS IN CORRIDORS USING J HOOKS OR CABLETRAYS.
- D. PATCH/REPLACE CEILING SYSTEMS TO REMAIN THAT HAVE BEEN DISTURBED BY SCHEDULED WORK.
- E. INVERTER SYSTEM EMERGENCY OUTPUT CIRCUITS SHALL BE INSTALLED IN DEDICATED CONDUIT SYSTEMS AND NOT SHARED WITH OTHER ELECTRICAL CIRCUITS AS DESCRIBED IN NEC 700-9(B).
- F. LIGHTING CONTROL SEQUENCES:  
 LOBBY/VESTIBULES/CORRIDORS:  
 PERSON ENTERS THE AREA, LUMINAIRES TURN ON TO 100% OUTPUT AUTOMATICALLY BY OCCUPANCY SENSOR.  
 PERSON EXITS THE AREA, LUMINAIRES DIM TO 50% OUTPUT (MAINTAINING EGRESS LEVEL ILLUMINATION). MANUAL CONTROL BY BUILDING MANAGEMENT SYSTEM.



Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-016

Rev. No.	Date	Description



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Beacon City School District  
 Beacon, New York

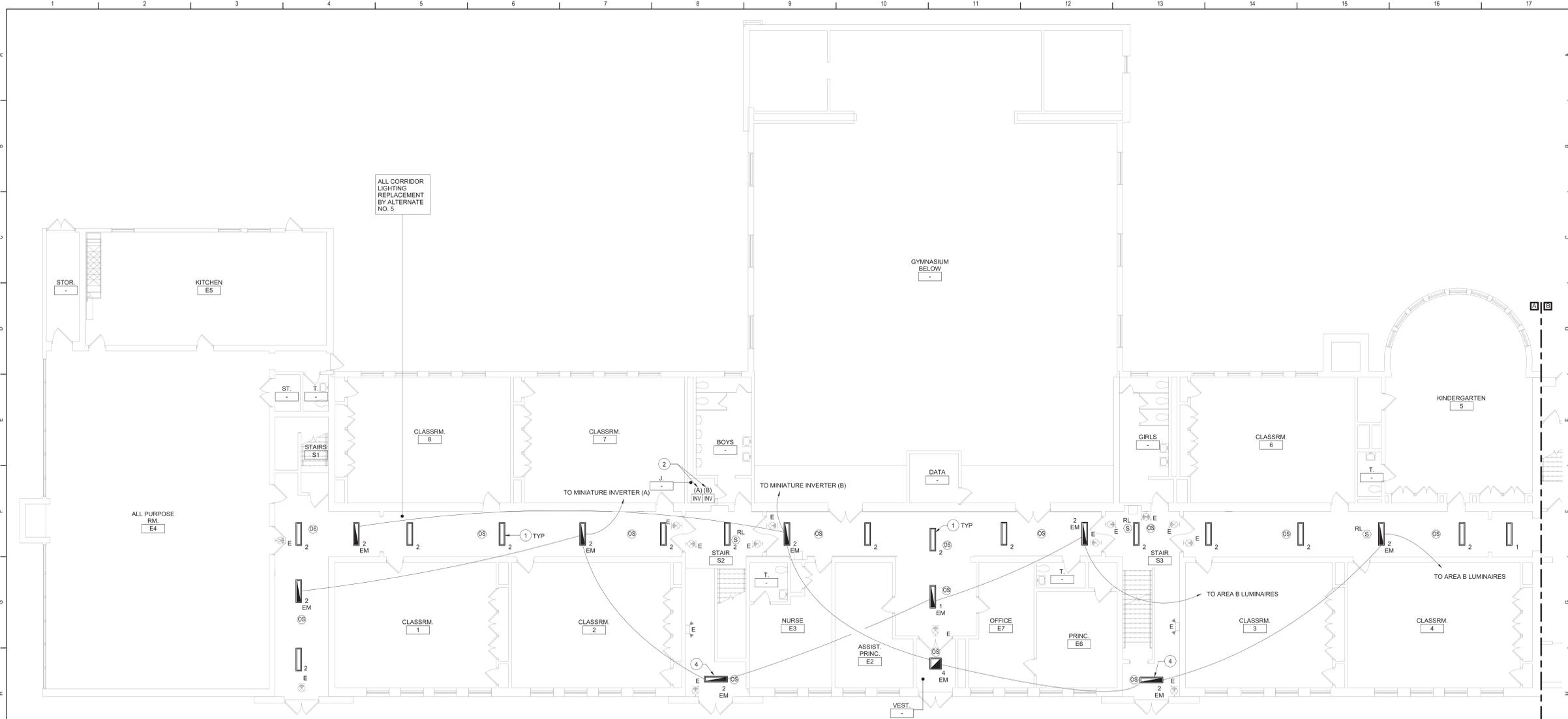
Reconstruction to:  
 South Ave Elementary School

Ground Floor Floor Lighting Plan -  
 Areas A and B

Drawn By: SAS/CR	Date: 10/28/2022	Drawing Number:
Project No.:	279180-22004	
		DE130

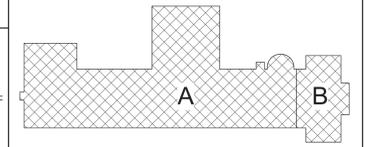
1 Ground Floor Lighting and Power Plan - Area A and B  
 1/8" = 1'-0"

**BID SET**



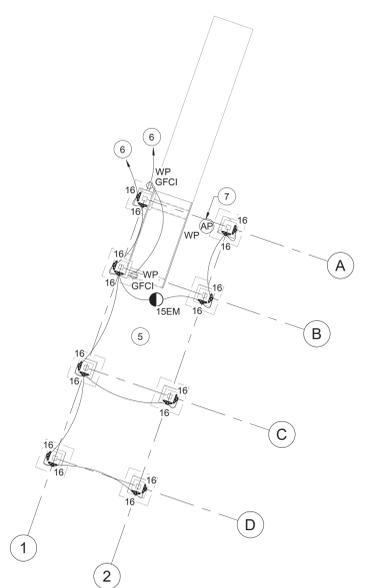
- Keyed Notes:**
- CONNECT LUMINAIRES TO EXISTING CIRCUIT BREAKER PREVIOUSLY SERVING THE AREA USING (2#12, 1#1/2 G. IN 1/2" CONDUIT. LUMINAIRES TO BE CONTROLLED BY OCCUPANCY SENSORS AND DIRECT DIGITAL CONTROL SYSTEM.
  - PROVIDE WALL MOUNTED MINIATURE INVERTER BASED ON MODEL VESTA MAX MODEL VST-MAX-375W-LVW-40K. MOUNT AT 72" AFF. COORDINATE FINAL LOCATION WITH OWNER. CONNECT EVERY OTHER EMERGENCY LUMINAIRE PER CORRIDOR TO ADJACENT INVERTER TO AVOID TOTAL OUTAGE UPON BATTERY FAILURE. REFER TO WIRING DIAGRAM ON DRAWING DE001.
  - RE-INSTALL STORED CEILING MOUNTED DEVICES IN CEILINGS THAT ARE BEING REPLACED. CENTER DEVICES IN CEILING GRID CLOSEST TO EXISTING LOCATION. MODIFY/EXTEND CIRCUITRY AS NECESSARY.
  - PROVIDE SURFACE MOUNT KIT FOR LUMINAIRE.
  - PROVIDE PHOTOCELL MOUNT ON EDGE OF CANOPY FACING NORTH. CONNECT SCENES AND CANOPY LUMINAIRES WITH (2#12, 1#1/2 G. IN 3/4" CONDUIT TO HANDHOLE LOCATION.
  - PROVIDE 20A 1P BREAKER IN AVAILABLE SPACE IN 120V PANEL IN ELEC ROOM (SEE SHEET DE130). CONNECT USING (2#12, 1#1/2 G. IN 1/2" CONDUIT. NEW BREAKER TO BE UL LISTED FOR USE IN PANEL AND MEET OR EXCEED AIC RATING OF EXISTING PANEL. AMEND PANEL DIRECTORY ACCORDINGLY. SEE SHEET DE001 FOR UNDERGROUND CONDUIT LOCATION.
  - PROVIDE WIRELESS ACCESS POINT IN WEATHERPROOF COVER. PROVIDE WATERPROOF CAT 6 CABLE FROM NEAREST DATA RACK IN BUILDING TO WIRELESS ACCESS POINT. SEE SHEET DE001 FOR MORE INFORMATION.

- General Notes:**
- REFER TO DRAWING DE050 FOR GENERAL NOTES.
  - REFER TO DRAWING DE000 FOR LUMINAIRE SCHEDULE.
  - SECURE ALL EXISTING UNSUPPORTED CABLES ABOVE CEILINGS IN CORRIDORS USING J HOOKS OR CABLETRAYS. PATCH/REPLACE CEILING SYSTEMS TO REMAIN THAT HAVE BEEN DISTURBED BY SCHEDULED WORK.
  - INVERTER SYSTEM EMERGENCY OUTPUT CIRCUITS SHALL BE INSTALLED IN DEDICATED CONDUIT SYSTEMS AND NOT SHARED WITH OTHER ELECTRICAL CIRCUITS AS DESCRIBED IN NEC 700-9(B).
  - LIGHTING CONTROL SEQUENCES:  
LOBBY/VESTIBULES/CORRIDORS:  
PERSON ENTERS THE AREA. LUMINAIRES TURN ON TO 100% OUTPUT AUTOMATICALLY BY OCCUPANCY SENSOR. PERSON EXITS THE AREA. LUMINAIRES DIM TO 50% OUTPUT (MAINTAINING EGRESS LEVEL ILLUMINATION). MANUAL CONTROL BY BUILDING MANAGEMENT SYSTEM.

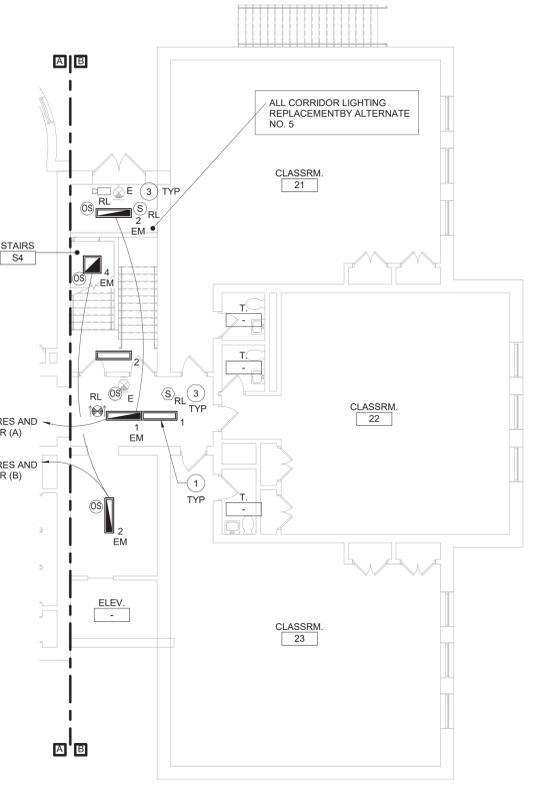


**Key Plan**  
N.T.S.

**1 First Floor Lighting Plan - Area A**  
1/8" = 1'-0"



**3 First Floor Lighting and Power Plan - Outdoor Classroom**  
1/8" = 1'-0"



**2 First Floor Lighting Plan - Area B**  
1/8" = 1'-0"

S.E.D. Control No. 13-02-00-01-0-003-016

Rev. No.	Date	Description



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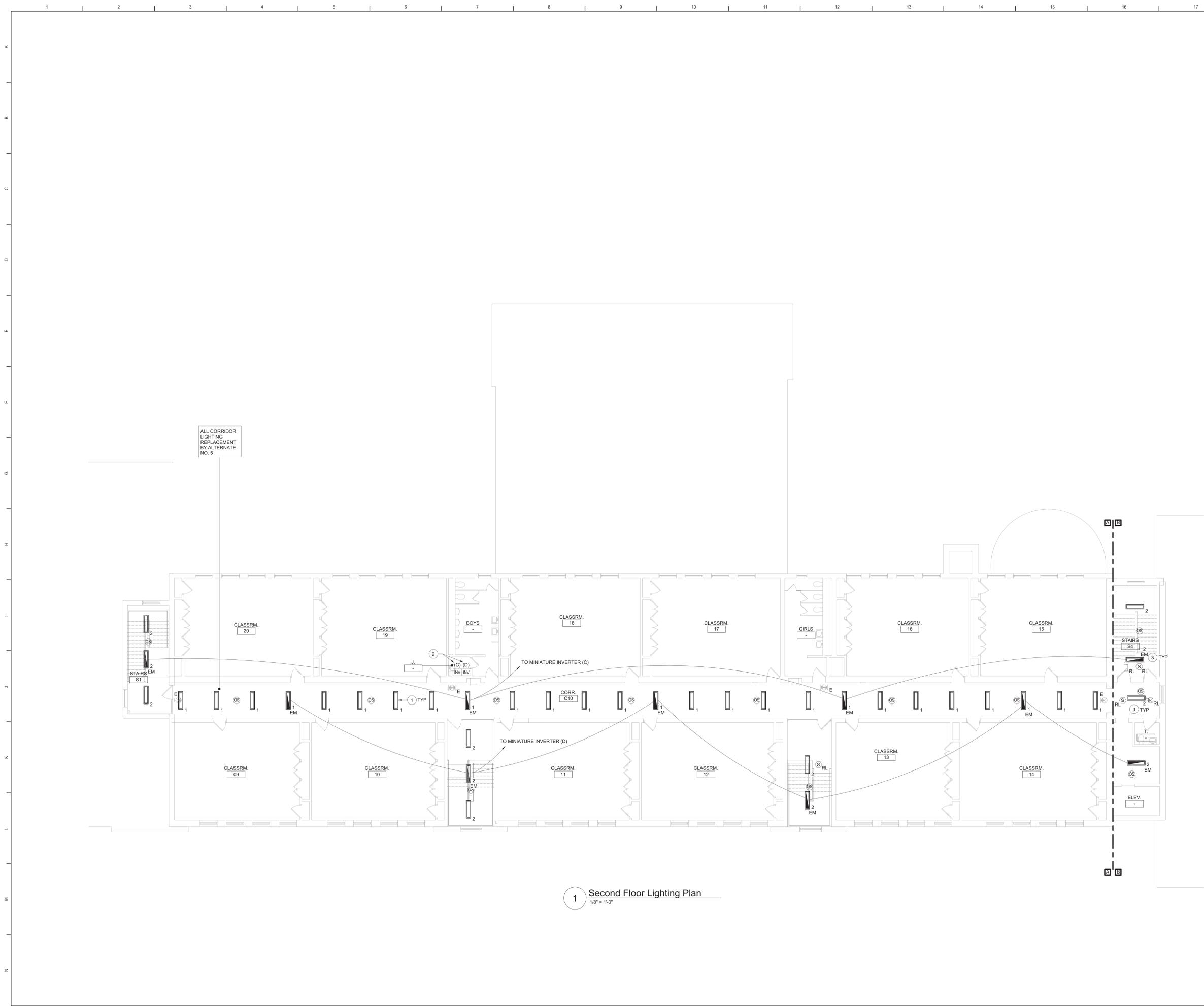
Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

First Floor Lighting Plan - Area A

Drawn By: SAS/CR	Date: 10/28/2022	Drawing Number: DE131
Project No.: 279180-22004		

**BID SET**

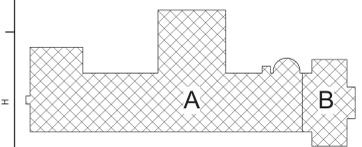


**Keyed Notes:**

- 1 CONNECT LUMINAIRES TO EXISTING CIRCUIT BREAKER PREVIOUSLY SERVING THE AREA USING (2#12, 1#1/2 G. IN 1/2" CONDUIT. LUMINAIRES TO BE CONTROLLED BY OCCUPANCY SENSORS AND DIRECT DIGITAL CONTROL SYSTEM.
- 2 PROVIDE WALL MOUNTED MINIATURE INVERTER BASED ON MODEL VESTA MAX MODEL VST-MAX-375W-LIN-4-OK. MOUNT AT 72" AFF. COORDINATE FINAL LOCATION WITH OWNER. CONNECT EVERY OTHER EMERGENCY LUMINAIRE PER CORRIDOR TO ADJACENT INVERTER TO AVOID TOTAL OUTAGE UPON BATTERY FAILURE. REFER TO WIRING DIAGRAM ON DRAWING DE500.
- 3 RE-INSTALL STORED CEILING MOUNTED DEVICES IN CEILINGS THAT ARE BEING REPLACED. CENTER DEVICES IN CEILING GRID CLOSEST TO EXISTING LOCATION. MODIFY/EXTEND CIRCUITRY AS NECESSARY.

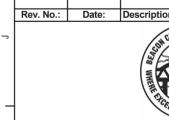
**General Notes:**

- A. REFER TO DRAWING DE500 FOR GENERAL NOTES.
- B. REFER TO DRAWING DE500 FOR LUMINAIRE SCHEDULE.
- C. SECURE ALL EXISTING UNSUPPORTED CABLES ABOVE CEILINGS IN CORRIDORS USING J HOOKS OR CABLETRAYS. PATCH/REPLACE CEILING SYSTEMS TO REMAIN THAT HAVE BEEN DISTURBED BY SCHEDULED WORK.
- D. INVERTER SYSTEM EMERGENCY OUTPUT CIRCUITS SHALL BE INSTALLED IN DEDICATED CONDUIT SYSTEMS AND NOT SHARED WITH OTHER ELECTRICAL CIRCUITS AS DESCRIBED IN NEC 700-9(B).
- F. LIGHTING CONTROL SEQUENCES:  
LOBBY/VESTIBULES/CORRIDORS:  
PERSON ENTERS THE AREA. LUMINAIRES TURN ON TO 100% OUTPUT AUTOMATICALLY BY OCCUPANCY SENSOR.  
PERSON EXITS THE AREA. LUMINAIRES DIM TO 50% OUTPUT (MAINTAINING EGRESS LEVEL ILLUMINATION). MANUAL CONTROL BY BUILDING MANAGEMENT SYSTEM.



Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-016



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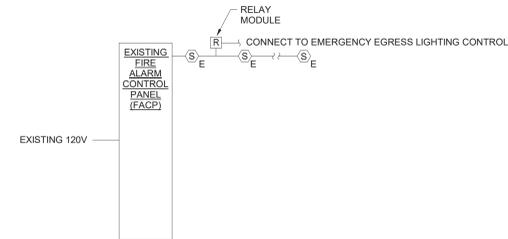
Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

Second Floor Lighting Plan

Drawn By: SAS/CR	Date: 10/28/2022	Drawing Number:
Project No.: 279180-22004	DE132	

BID SET

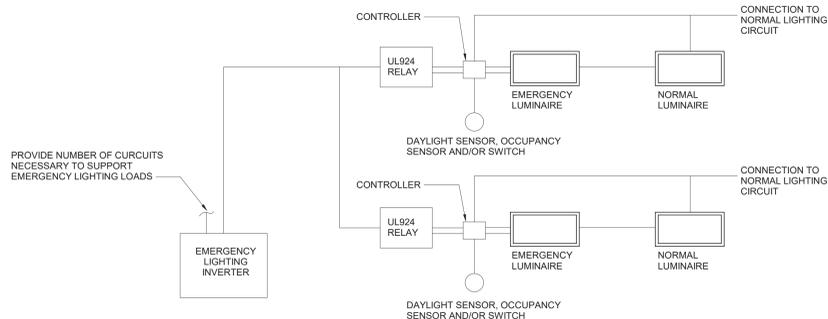


**FIRE ALARM SEQUENCE OF OPERATION**

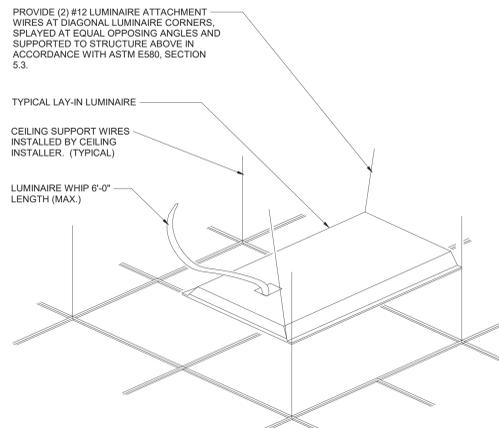
A. UPON ACTIVATION TROUBLE CONDITION THE FIRE ALARM PANEL SHALL GO INTO "TROUBLE" MODE INDICATING WHICH ZONE IS IN TROUBLE BY A LIGHT IN THE REMOTE ANNUNCIATOR AND AT THE FIRE ALARM PANEL.

- NOTES:**
1. FIRE ALARM RISER IS INTENDED TO BE SCHEMATIC ONLY. ALL DEVICES INDICATED ON PLANS AND DETAILS ARE TO BE INSTALLED AND CONNECTED FOR PROPER OPERATION OF SYSTEM.
  2. WIRE NEW DEVICES INTO EXISTING WIRING OR PROVIDE A NEW CIRCUIT AS DIRECTED BY FIRE ALARM SYSTEM REPRESENTATIVE.

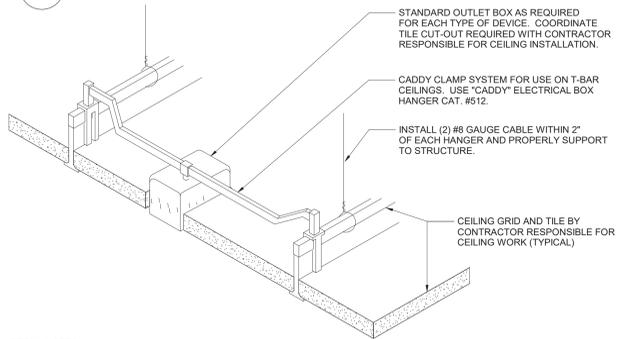
**3 Fire Alarm System Wiring Diagram**  
NTS



**4 Emergency Miniature Inverter Wiring Diagram**  
1/4" = 1'-0"



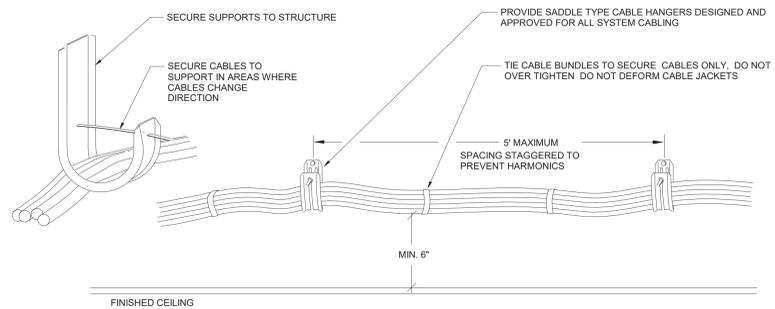
**5 Typical Troffer Mounting Detail**  
NTS



**DETAIL NOTES:**

- IN AREAS RECEIVING NEW CEILINGS ALL CEILING MOUNTED ITEMS (DETECTORS, SPEAKERS, ETC) ARE TO BE CENTERED WITHIN THE PATTERN OF THE CEILING PANEL. A 2'x4' PANEL SCORED TO A 2'x2' PATTERN SHALL HAVE ITEMS CENTERED IN THE 2'x2' PORTION.
- PROVIDE ADDITIONAL SUPPORT FOR EXIT SIGNS, WHERE REQUIRED.

**6 Ceiling Mounting Device Detail**  
NTS



**INSTALLATION NOTES:**

1. LOCATE CABLE BUNDLES A MINIMUM OF 6" ABOVE REMOVABLE CEILINGS TO MAINTAIN CLEARANCE (ALONG WALLS WHERE POSSIBLE). LOCATE IN AREAS THAT ARE ACCESSIBLE.
2. USE 2 OR MORE CABLE HANGERS AT ALL TURNS TO MAINTAIN MANUFACTURER'S BEND RADIUS REQUIREMENTS.
3. THIS SUPPORT SYSTEM TO BE USED WHEREVER CABLE TRAY IS NOT INDICATED ON PLANS.

**1 Typical Installation with Cable Hangars**  
NTS

LUMINAIRE SCHEDULE							
TYPE	SYMBOL	DESCRIPTION	LAMPS			MANUFACTURERS (OR EQUAL)	
			WATTAGE	LUMENS	TYPE	NAME	MODEL OR SERIES
1	[Symbol]	1' x 4' TROFFER (RECESSED IN GRID)	12.2	1482	LED	SIGNIFY (DAY-BRITE)	1FP215L835-4-DS-UNV-DIM
1 EM	[Symbol]	SAME AS TYPE 1 - CONNECTED TO EMERGENCY MINIATURE INVERTER	12.2	1482	LED	SIGNIFY (DAY-BRITE)	1FP215L835-4-DS-UNV-DIM
2	[Symbol]	1' x 4' TROFFER (RECESSED IN GRID)	24.6	2972	LED	SIGNIFY (DAY-BRITE)	1FP230L835-4-DS-UNV-DIM
2 EM	[Symbol]	SAME AS TYPE 2 - CONNECTED TO EMERGENCY MINIATURE INVERTER	24.6	2972	LED	SIGNIFY (DAY-BRITE)	1FP230L835-4-DS-UNV-DIM
3	[Symbol]	1' x 4' TROFFER (RECESSED IN GRID)	31.3	3775	LED	SIGNIFY (DAY-BRITE)	1FP238L835-4-DS-UNV-DIM
3 EM	[Symbol]	SAME AS TYPE 3 - CONNECTED TO EMERGENCY MINIATURE INVERTER	31.3	3775	LED	SIGNIFY (DAY-BRITE)	1FP238L835-4-DS-UNV-DIM
4 **	[Symbol]	2' x 2' TROFFER (RECESSED IN GRID)	15.7	1918	LED	SIGNIFY (DAY-BRITE)	2FP220L835-2-DS-UNV-DIM
4 EM	[Symbol]	SAME AS TYPE 4 - CONNECTED TO EMERGENCY MINIATURE INVERTER	15.7	1918	LED	SIGNIFY (DAY-BRITE)	2FP220L835-2-DS-UNV-DIM
5 **	[Symbol]	2' x 2' TROFFER (RECESSED IN GRID)	23.4	2911	LED	SIGNIFY (DAY-BRITE)	2FP230L835-2-DS-UNV-DIM
5 .. EM	[Symbol]	SAME AS TYPE 5 - CONNECTED TO EMERGENCY MINIATURE INVERTER	23.4	2911	LED	SIGNIFY (DAY-BRITE)	2FP230L835-2-DS-UNV-DIM
6 **	[Symbol]	2' x 2' TROFFER (RECESSED IN GRID)	29.8	3856	LED	SIGNIFY (DAY-BRITE)	2FP238L835-2-DS-UNV-DIM
6 .. EM	[Symbol]	SAME AS TYPE 6 - CONNECTED TO EMERGENCY MINIATURE INVERTER	29.8	3856	LED	SIGNIFY (DAY-BRITE)	2FP238L835-2-DS-UNV-DIM
7 **	[Symbol]	2' x 2' TROFFER (RECESSED IN GRID)	35.7	4403	LED	SIGNIFY (DAY-BRITE)	2FP245L835-2-DS-UNV-DIM
7 .. EM	[Symbol]	SAME AS TYPE 7 - CONNECTED TO EMERGENCY MINIATURE INVERTER	35.7	4403	LED	SIGNIFY (DAY-BRITE)	2FP245L835-2-DS-UNV-DIM
8 **	[Symbol]	4" ROUND DOWNLIGHT	8.8	868	LED	SIGNIFY (LEDALITE)	L4R10935VB / L4RDW
8 .. EM	[Symbol]	SAME AS TYPE 8 - CONNECTED TO EMERGENCY MINIATURE INVERTER	8.8	868	LED	SIGNIFY (LEDALITE)	L4R10935VB / L4RDW
9 **	[Symbol]	4" SQUARE DOWNLIGHT	8.8	868	LED	SIGNIFY (LEDALITE)	L4R10935VB / L4RDW
9 .. EM	[Symbol]	SAME AS TYPE 9 - CONNECTED TO EMERGENCY MINIATURE INVERTER	8.8	868	LED	SIGNIFY (LEDALITE)	L4R10935VB / L4RDW
10 **	[Symbol]	2" RECESSED LINEAR. LENGTH VARIES. SEE PLANS FOR SPECIFIC LENGTHS.	14.5	1345	LED	FINELITE	HP-2-R-D-XFT-S-835
10 .. EM	[Symbol]	SAME AS TYPE 10 - CONNECTED TO EMERGENCY MINIATURE INVERTER	14.5	1345	LED	FINELITE	HP-2-R-D-XFT-S-835
11 **	[Symbol]	15/16" T-BAR LED	39	2854	LED	JLC TECH	TBSL-MW-5-24-B2-X-W
11 .. EM	[Symbol]	SAME AS TYPE 11 - CONNECTED TO EMERGENCY MINIATURE INVERTER	39	2854	LED	JLC TECH	TBSL-MW-5-24-B2-X-W
12 **	[Symbol]	2" RECESSED PERIMETER	27.6	2999	LED	PINNACLE ARCHITECTURAL LIGHTING	EV2DPM-A-835HO-4
12 .. EM	[Symbol]	SAME AS TYPE 12 - CONNECTED TO EMERGENCY MINIATURE INVERTER	27.6	2999	LED	PINNACLE ARCHITECTURAL LIGHTING	EV2DPM-A-835HO-4
13	[Symbol]	WALL MOUNT LINEAR	33.1	3361	LED	SIGNIFY (LEDALITE)	7408LBEQN04DEW
13 EM	[Symbol]	SAME AS TYPE 13 - CONNECTED TO EMERGENCY MINIATURE INVERTER	33.1	3361	LED	SIGNIFY (LEDALITE)	7408LBEQN04DEW
14 .. EM	[Symbol]	4" SURFACE MOUNTED LINEAR - CONNECTED TO EMERGENCY MINIATURE INVERTER	18.8	1780	LED	PINNACLE ARCHITECTURAL LIGHTING	EX3-WET-N-835-4-S-U-OL2-1-0-W
15 EM	[Symbol]	LOW PROFILE SURFACE CANOPY WITH INTEGRAL BATTERY	51	5396	LED	SIGNIFY (GARDCCO)	SVPG-A06-840
16	[Symbol]	20" X 5" LINEAR WALL MOUNT SCENCE	10	175	LED	TEKA ILLUMINATION	C-AR-FS-LED-392-ART
20 **	[Symbol]	EXIT SIGN (SINGLE FACE) WALL AND CEILING MOUNT. SEE PLANS FOR DIRECTIONAL INDICATORS	2.5		LED	SIGNIFY (CHLORIDE)	ER46L-2-W-R

**2 Luminaire Schedule**  
NTS

S.E.D. Control No. 13-02-00-01-0-003-1016

Rev. No.: Date: Description:



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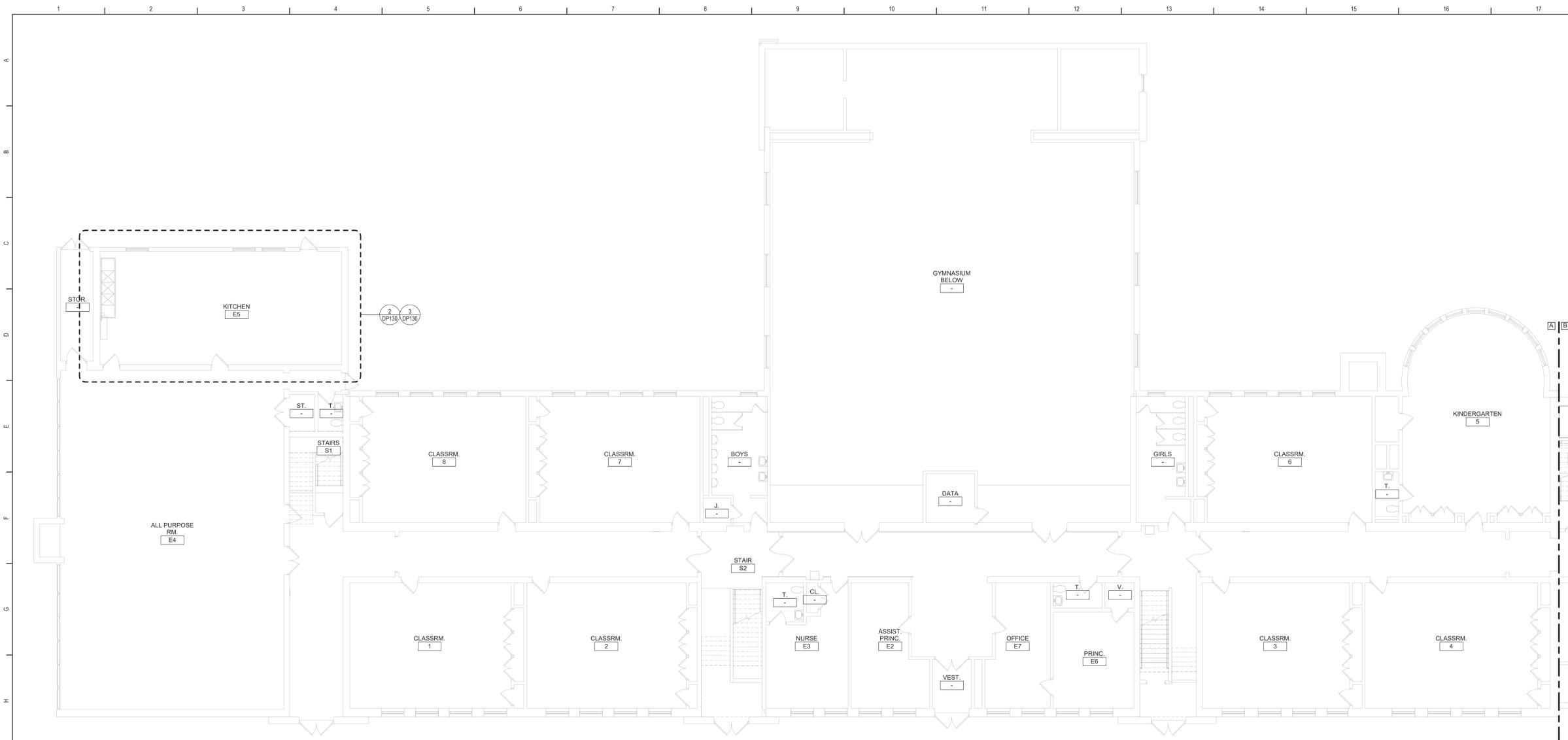
**TT TETRA TECH ARCHITECTS & ENGINEERS**

Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

Details

Drawn By: SAS Date: 10/28/2022 Drawing Number: 279180-22004 DE500



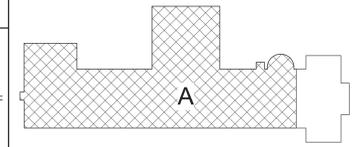
1 First Floor Plan - Area A  
1/8" = 1'-0"

**General Notes**

- A. VERIFY ALL PIPING LOCATIONS, SIZES, AND ARRANGEMENTS IN FIELD PRIOR TO BID. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES.
- B. VERIFY IN FIELD INVERT AND DIRECTION OF FLOW IN EXISTING SOIL PIPE WHERE NEW SOIL PIPE IS TO BE CONNECTED TO EXISTING SOIL PIPE.
- C. LEGALLY DISPOSE OF ALL DEMOLITION DEBRIS.
- D. INCLUDE TRENCHING, CUTTING AND PATCHING OF FLOORS, WALLS AND CEILINGS, INCLUDING CEILING TILE REMOVAL AND REPLACEMENT, WHEN REQUIRED FOR PLUMBING WORK. PATCH ABANDONED OPENINGS AND DISTURBED FINISHES TO MATCH EXISTING. TAKE PRECAUTIONS TO PROTECT STRUCTURAL INTEGRITY OF FLOOR OR WALLS WHEN TRENCHING OR CUTTING.
- E. MATERIALS FOR PLUMBING INSTALLATION SHALL BE NEW, UNLESS SPECIFICALLY NOTED OTHERWISE.
- F. REPLACE PLUMBING EQUIPMENT INDICATED. MODIFY AND EXTEND EXISTING PIPING AS REQUIRED TO MEET FIXTURE MFR'S ROUGH-IN RECOMMENDATIONS AND TO MAKE CONNECTIONS. CONCEAL PIPING WITHIN OR BEHIND WALLS, BELOW FLOORS OR ABOVE CEILINGS. PATCH DISTURBED FINISHES TO MATCH EXISTING UNLESS SPECIFICALLY NOTED OTHERWISE.

**Plumbing Notes**

- 1. REMOVE 3 BAY SINK AND STORE FOR REINSTALLATION AFTER GREASE INTERCEPTOR IS INSTALLED. CLEAN TABLE BEFORE REINSTALLATION.
- 2. FLOW CONTROL FITTING SUPPLIED BY GREASE INTERCEPTOR MANUFACTURER.
- 3. REFER TO DETAILS 4/ DP130 AND 5/ DP130 FOR ADDITIONAL INFORMATION.



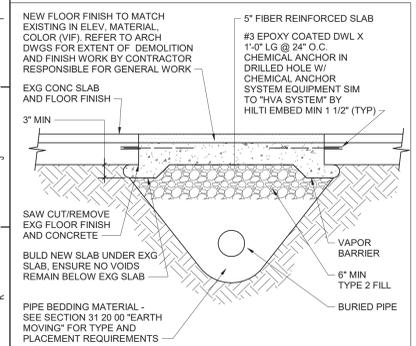
Key Plan  
N.T.S.

S.E.D. Control No. 13-02-00-01-0-003-016

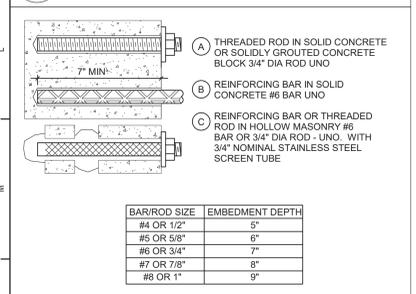
**Grease Interceptor Schedule**

DWG LABEL	LOCATION	DESIGN MAKE AND MODEL	GREASE RETENTION CAPACITY (POUNDS)	PDI RATED FLOW RATE (GPM)	INSTALLATION	INLET / OUTLET SIZE (NPS)	CENTERLINE OF INLET / OUTLET TO BOTTOM (INCHES)	CENTERLINE OF INLET / OUTLET TO TOP (INCHES)	EXTENSION HEIGHT (INCHES)	LENGTH (INCHES)	WIDTH (INCHES)	HEIGHT (INCHES)	VENT SIZE (NPS)	NOTES
GH-D-1	KITCHEN E5	JR SMITH 8150	100	50	FLOOR MOUNTED	3	10	6	N/A	49-1/2	27-3/4	16	2	1

- NOTES:  
1. PROVIDE EXTERNAL FLOW CONTROL FITTING SUPPLIED BY SAME MANUFACTURER AS GREASE INTERCEPTOR.

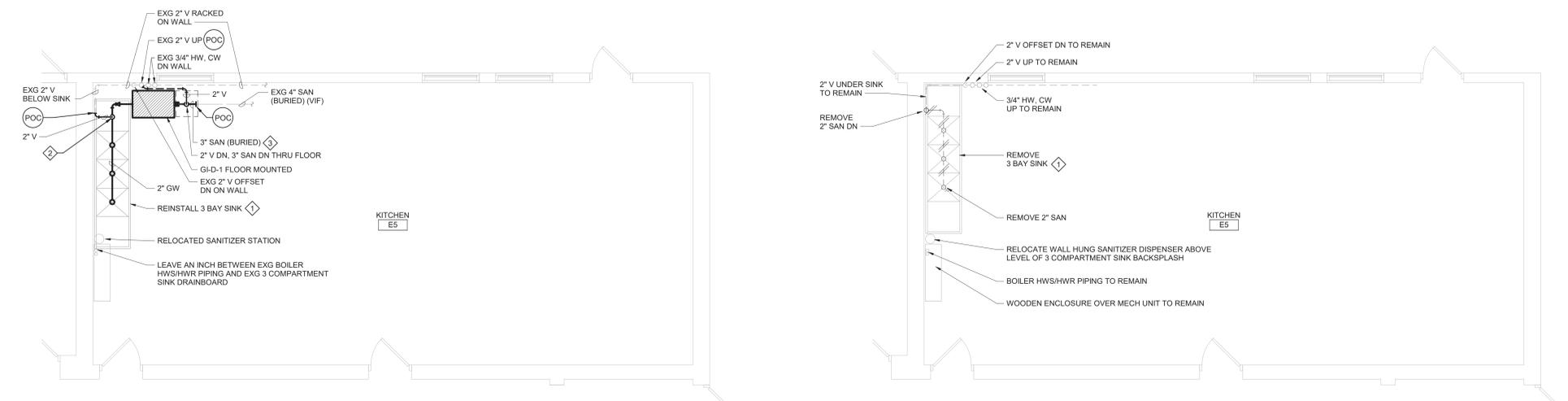


4 Trenching Below Existing Slab Detail  
N.T.S.



- GENERAL NOTES:  
1. FOR ACCEPTABLE ADHESIVE PRODUCTS REFER TO SPECIFICATIONS.  
2. COMPLY WITH MANUFACTURERS REQUIREMENTS FOR INSTALLATION.

5 Typical Chemical Anchors  
N.T.S.



3 Kitchen E5 Plan  
1/4" = 1'-0"

2 Kitchen E5 Demolition Plan  
1/4" = 1'-0"

Rev. No.:      Date:      Description:



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Beacon City School District  
Beacon, New York

Reconstruction to:  
South Ave Elementary School

First Floor Plan - Area A, Details and Schedule

Drawn By: GPD / sef      Date: 10/28/2022      Drawing Number:  
Project No.: 279180-22004

**DP130**

**BID SET**