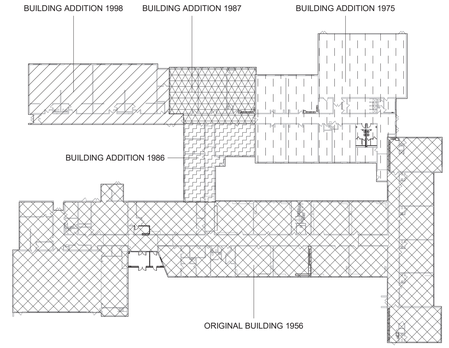
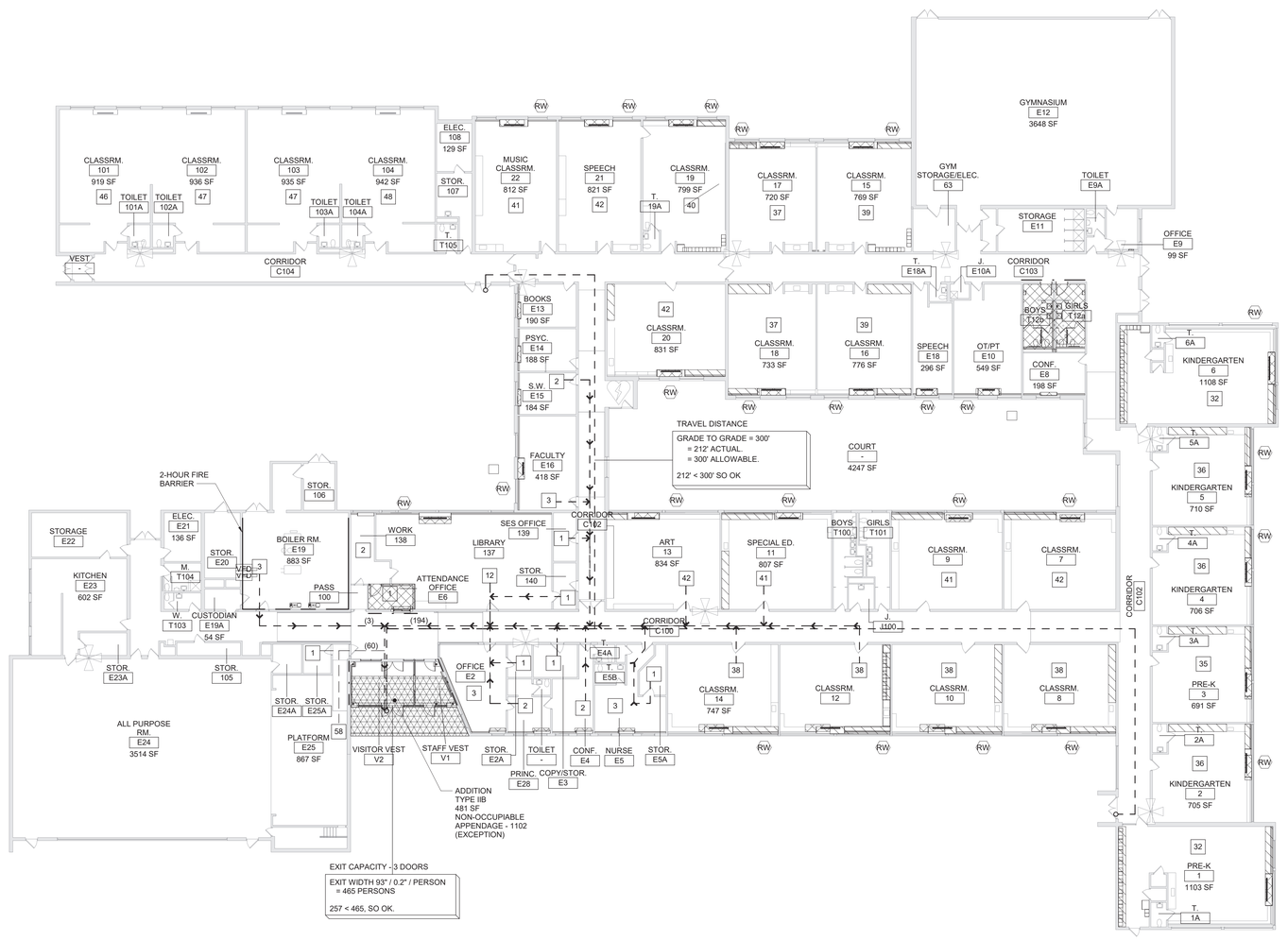


1 Vintage Key Plan
1" = 50'-0"



2 First Floor Key Plan
1/16" = 1'-0"

Code Compliance Review

PROJECT LOCATION:
20 CHASE DR, FISHKILL, NY 12524
BOUNDED BY CHASE DR TO THE WEST.

PROJECT DESCRIPTION:
THIS PROJECT INCLUDES RENOVATION OF APPROXIMATELY 2,721 SF OF SPACE ON THE FIRST FLOOR AND 333 SF OF AND ADDITION.

WORK GENERALLY CONSISTS OF THE FOLLOWING:
ALTERATIONS - LEVEL 1
- UPDATE CUBBIES IN CLASSROOMS
- UPDATE EMERGENCY LIGHTING
- UPGRADE TO ENERGY EFFICIENT LED LIGHTING
- REPLACE UNIT VENTILATORS

ALTERATIONS - LEVEL 2
- ADA UPGRADE TO TOILET ROOMS
- ADD UNIT VENTILATORS AND FAN COIL UNITS
- ADD OVERFLOW PARKING AREA
- ALTER BUS AND PARENT DROP OFF LOOP

ADDITIONS
- ADDITION AT THE MAIN ENTRY FOR PASSIVE SECURITY COMPLY WITH 2020 EXISTING BUILDING CODE OF NEW YORK STATE EXCEPTION AS A NON-OCCUPIABLE APPENDAGE - (1102.2 EXCEPTION).

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: GLENHAM ELEMENTARY SCHOOL
20 CHASE DR.
FISHKILL, NY 12524

DESCRIPTION: ONE STORY MASONRY BUILDING

YEAR BUILT: 1956
ADDITIONS: 1975, 1986, 1987 AND 1998

BUILDING AREA: 1ST FLOOR 40,590 SQFT
NEW BUILDING AREA: 481 SQFT

TOTAL GROSS AREA= 41,071 SQFT

CODE DATA SUMMARY:

USE GROUP: E : EDUCATION

CONSTRUCTION TYPE -

EXISTING: IIB

NEW: IIB

FIRE SAFETY: NO AUTOMATIC SPRINKLER SYSTEM IS PROVIDED.

WORK AREA:

LOCATION	AREA	% OF TOTAL
1ST FLOOR	2,721 SQFT	6.63%

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)
507 ADDITION (CHAPTER 11)

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

ACCESSIBLE ROUTE AND ACCESSIBLE ENTRANCES:
FOR EXTERIOR ACCESSIBLE ROUTE AND ACCESSIBLE ENTRANCES - SEE BG300.

EXIT TRAVEL DISTANCE (PER TABLE 1017.2):
FOR EXIT TRAVEL DISTANCE - SEE BG350.

STAIR AND OTHER EXIT WIDTH CALCULATIONS (PER 1005.3.1 AND 1005.3.2):
FOR EXIT TRAVEL DISTANCE - SEE BG350.

Building Number	Fire Area Number	Exg SF	Sprinkler System	Allowable Fire Area (sf)	OK
B1	F1-1	50,211	NA	5,000	PENC*

(MAXIMUM FIRE AREA = 5,000 SF PER SECTION 406 AND 903)
PENC = PRE-EXISTING NON-CONFORMING
REFER TO CG351

PLUMBING FIXTURE COUNT PER TABLE 2902.1

Occupancy Type	Total Number of Ocupants	Water Closets (Urinals) Required		Water Closets (Urinals) Provided		Lavatories Required		Lavatories Provided		Drinking Water Required	Drinking Water Provided	Bath or Shower Required	Bath or Shower Provided	Other Provided
		Male	Female	Male	Female	Male	Female	Male	Female					
E	1025	11	11	16	17	11	11	14	14	11	2	0	0	NA

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.

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.

Legend

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

- 1-HOUR FIRE PARTITION
- COMMON EGRESS PATH
- XX — NUMBER OF OCCUPANTS IN EACH SPACE, UNO
- (XX) — NUMBER OF OCCUPANTS ALONG EGRESS PATH
- EXISTING FIRE EXTINGUISHER LOCATION
- AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
- RW — RESCUE WINDOW
- ALTERATION LEVEL 1 WORK AREA
- ALTERATION LEVEL 2 WORK AREA
- ADDITION 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.

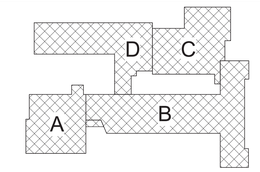
C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

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. ELEVATION 100'-0" ON ARCHITECTURAL DRAWINGS CORRESPONDS TO ELEVATION 232.64' ON THE SURVEY DRAWINGS.

G. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT AND OWNER.



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT — WHERE EXCELLENCE IS THE STANDARD

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

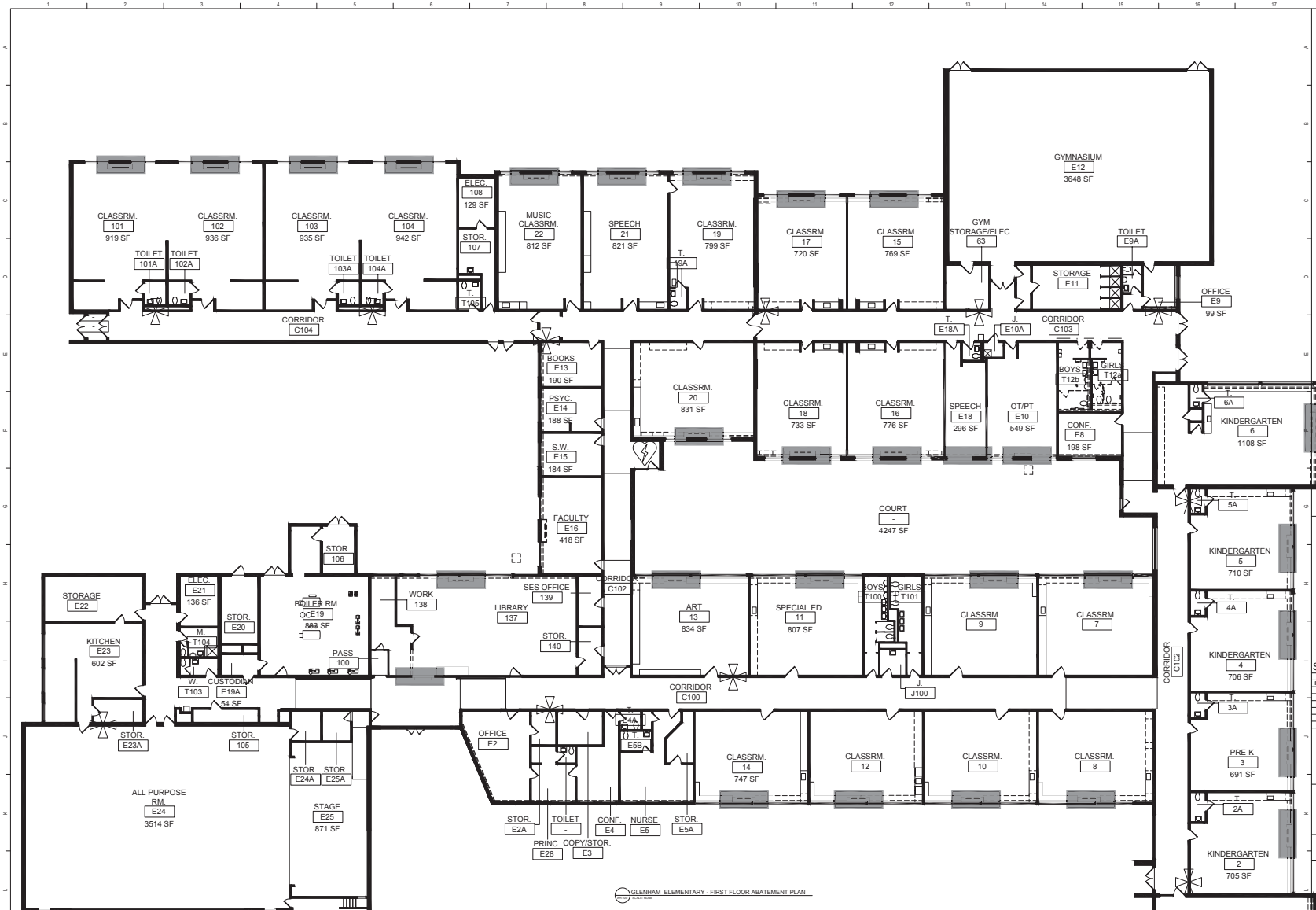
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

Code Compliance Review and Key Plan

Drawn By:	Date:	Drawing Number:
TLG	10/28/2022	BG350

Project No.: 279180-22004



GLENHAM ELEMENTARY - FIRST FLOOR ABATEMENT PLAN

SCALE: NONE

ASBESTOS ABATEMENT NOTES

ASBESTOS ABATEMENT CONTRACTOR IS RESPONSIBLE FOR TOTAL AND COMPLETE REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING (ACM) MORTAR AT LOUVRE / UNIT VENTILATORS WHERE INDICATED.

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

ASBESTOS ABATEMENT LEGEND

REVOVE AND DISPOSE OF EXTERIOR ASBESTOS CONTAINING FRIABLE (ACM)MORTAR AROUND LOUVER PENETRATION (BRICK TO METAL) AT UNIT VENTILATORS.

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. 13-02-00-01-0-006-022

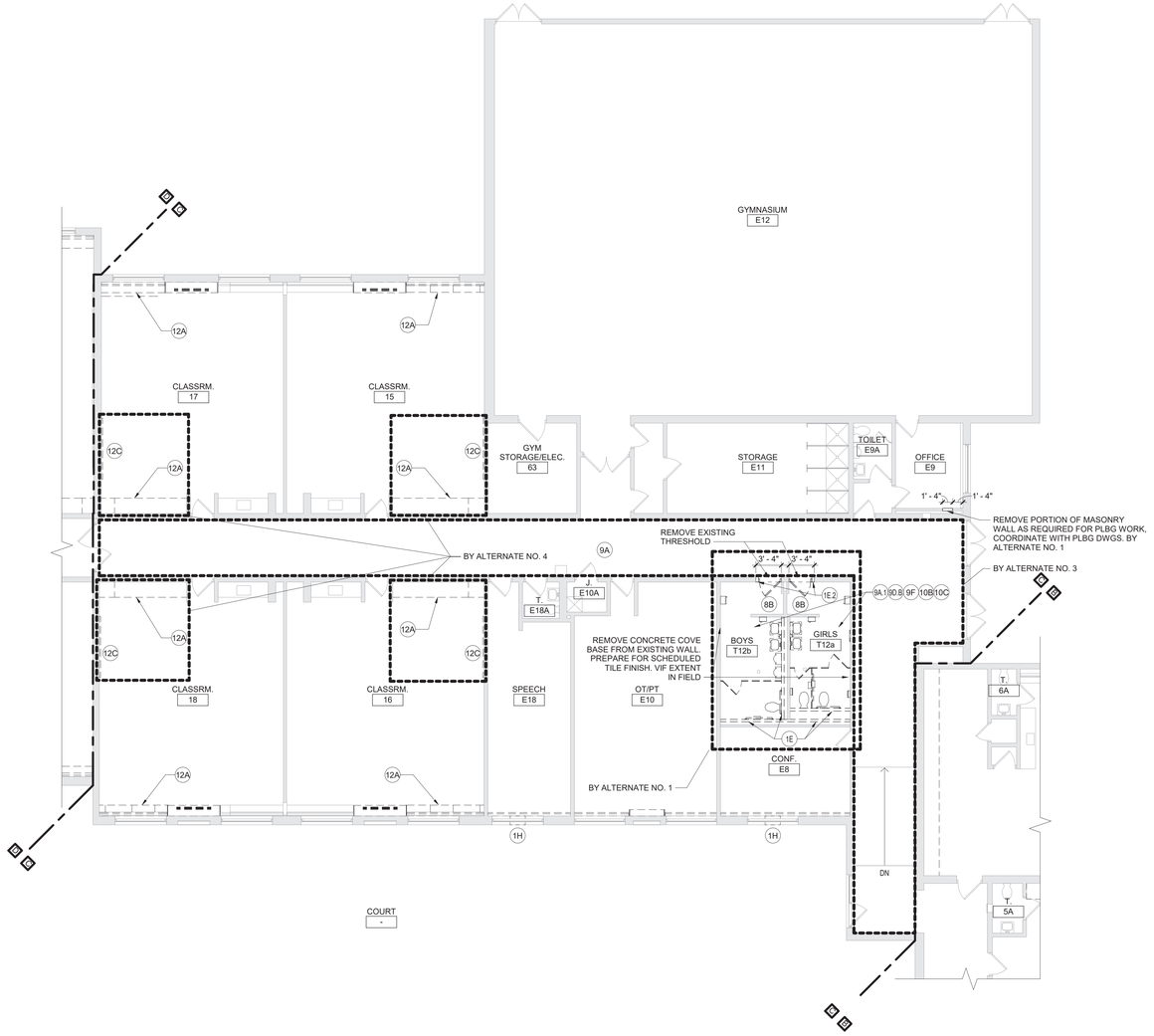
Rev. No.:	Date:	Description:
1	9-13-22	100% SED Submittal

Beacon City School District
Beacon, New York

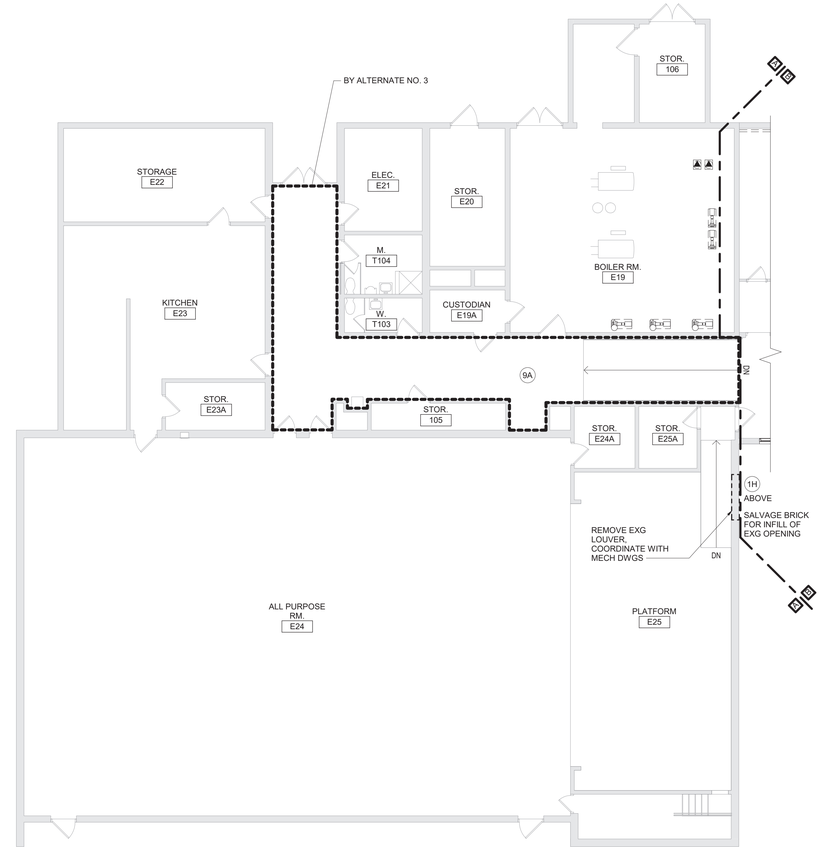
Additions and Alterations to:
Glenham Elementary School

Asbestos Abatement

Drawn By:	Date:	Drawing Number:
TTAE	10/28/2022	BH100
Project No.: 279180-22004		



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



1 First Floor Demolition Plan - Area A
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 OWNER'S AGENT(S) IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK.

E. EXISTING WINDOW-MOUNTED A/C UNITS SHALL BE REMOVED AND STORED BY OWNER PRIOR TO START OF DEMOLITION WORK.

F. COORDINATE WITH ABATEMENT DRAWINGS PRIOR TO DEMOLITION.

Demolition Key Notes

1E REMOVE WALL FULL HEIGHT AND ALL ASSOCIATED COMPONENTS. PATCH EXPOSED SURFACE TO MATCH EXISTING ADJACENT SURFACES.

1E.2 REMOVE PORTION OF WALL AS INDICATED AND ALL ASSOCIATED COMPONENTS. PATCH EXPOSED SURFACES TO MATCH EXISTING ADJACENT SURFACES.

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. SEE ABATEMENT DRAWINGS.

1P REMOVE PORTION OF STOREFRONT INSULATED PANEL TO ACCOMODATE SCHEDULED WORK. COORDINATE WITH MECHANICAL DRAWINGS.

8A REMOVE WINDOW AND STOREFRONT SYSTEM COMPLETELY. PREPARE OPENING TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.

8B REMOVE DOOR AND FRAME COMPLETELY. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES/SURFACES.

9A REMOVE PORTION OF CEILING SYSTEM AND/OR SOFFIT SYSTEM, TO EXTENT REQUIRED TO PERFORM NEW WORK. CLEAN, SALVAGE AND PROTECT FOR RE-INSTALLATION.

9A.1 REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.

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9C REMOVE CEILING- OR WALL-MOUNTED ACOUSTICAL TREATMENTS IN THEIR ENTIRETY.

9D.x 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. CARPET.
B. CERAMIC FLOOR TILE.
C. VAT/VCT.

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10B REMOVE TOILET COMPARTMENTS IN THEIR ENTIRETY.

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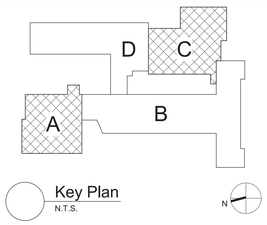
12A REMOVE CASEWORK, SHELVING AND ASSOCIATED COMPONENTS TO THE EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. COORDINATE WITH CASEWORK AND MECHANICAL DRAWINGS.

12C REMOVE TEACHING SURFACES INCLUDING MARKER BOARDS, TACK BOARDS AND CHALK BOARDS. TURN OVER TO OWNER PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES AND SURFACES.



Key Plan
N.T.S.

N

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT WHERE EXCELLENCE IS THE STANDARD

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Demolition Plan - Area A and C

Drawn By:	Date:	Drawing Number:
GCK/tlg	10/28/2022	BA100

Project No.:
279180-22004

General Demolition Notes

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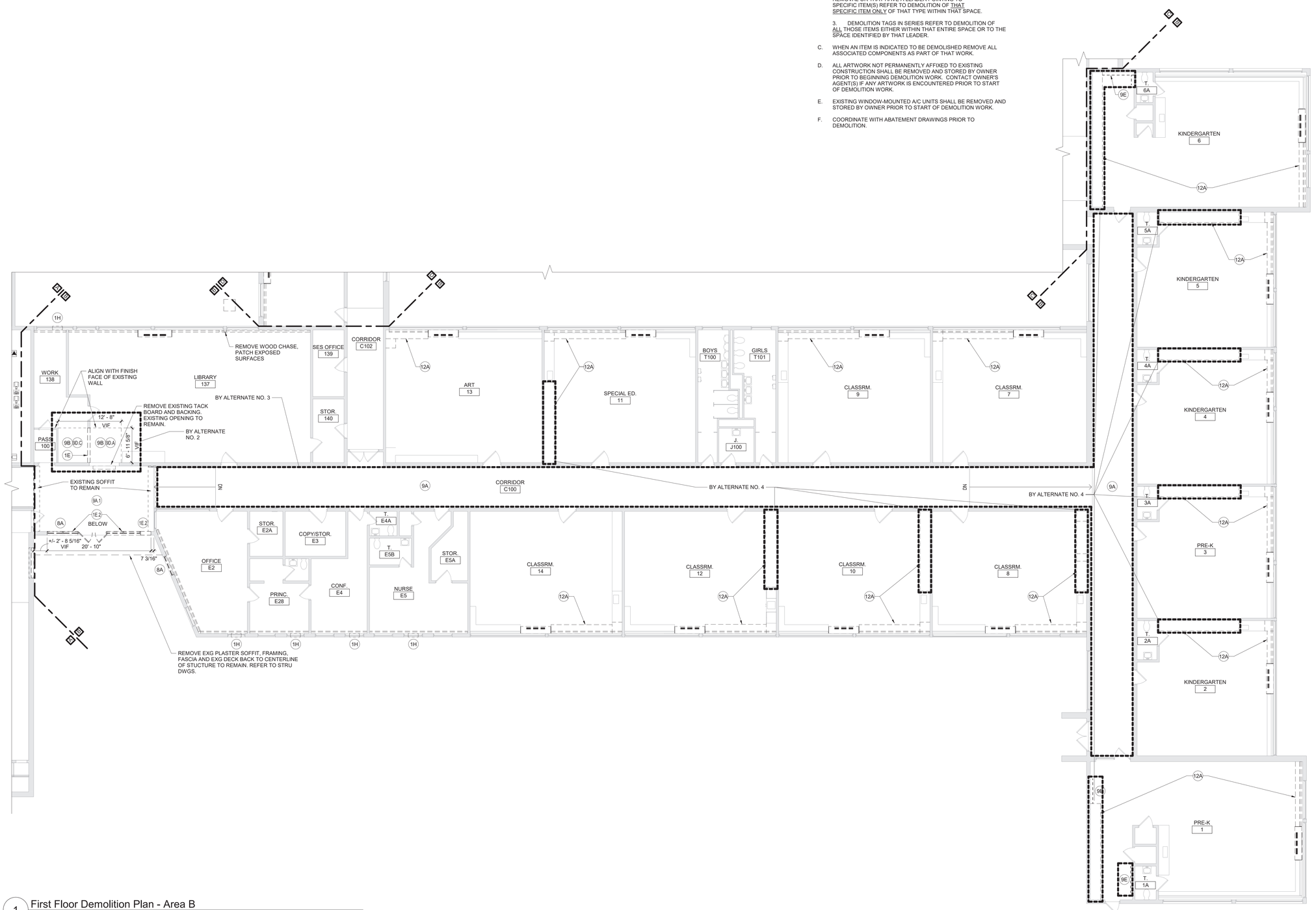

1 First Floor Demolition Plan - Area B
1/8" = 1'-0"

Demolition Key Notes

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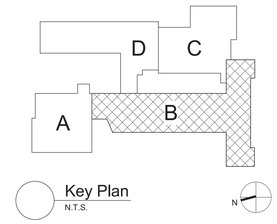

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT — WHERE EXCELLENCE IS THE STANDARD

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

BID SET

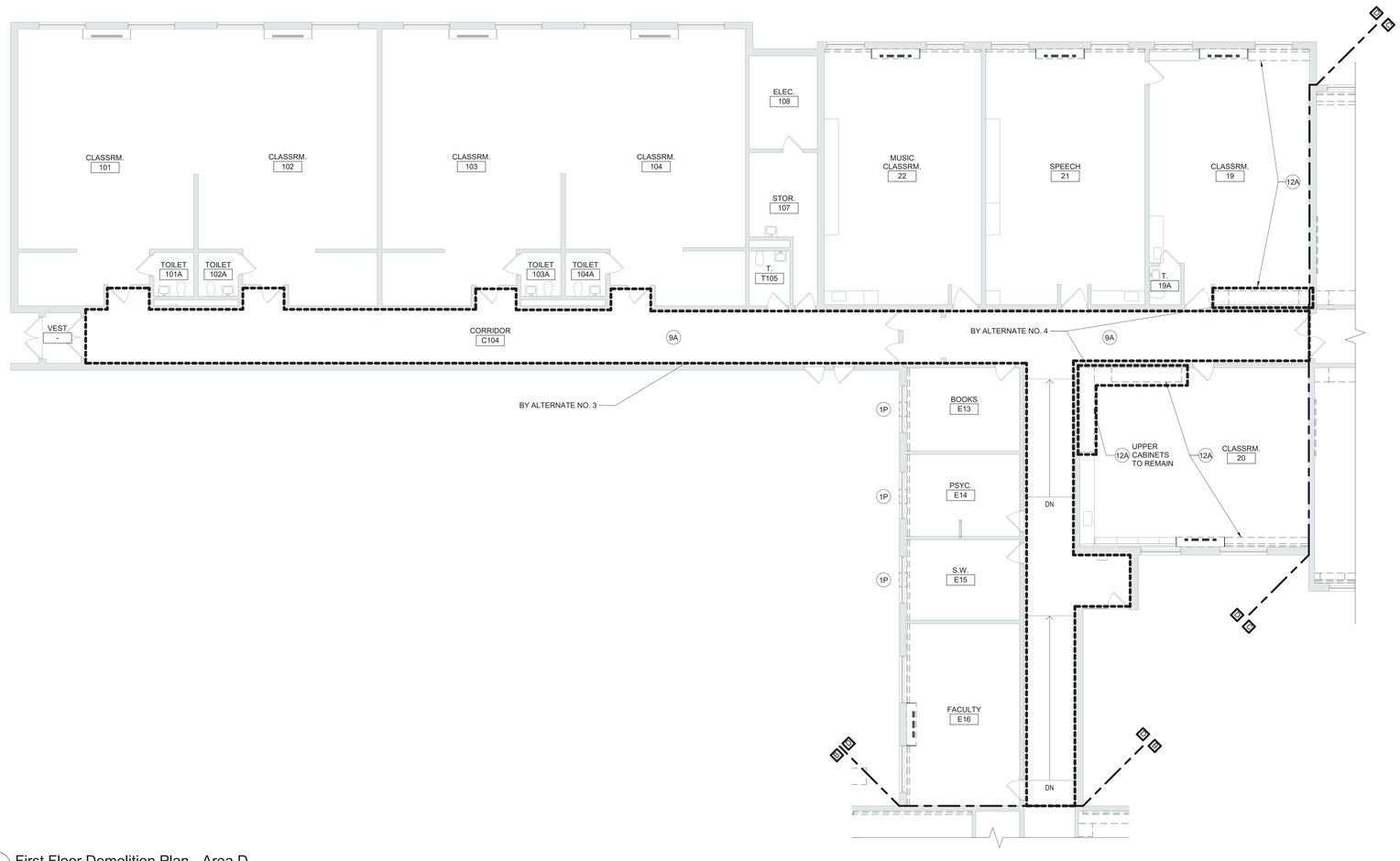
TETRA TECH ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Demolition Plan - Area B

Drawn By:	Date:	Drawing Number:
GCK/tlg	10/28/2022	BA101
Project No.: 279180-22004		



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

General Demolition Notes

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F. COORDINATE WITH ABATEMENT DRAWINGS PRIOR TO DEMOLITION.

Demolition Key Notes

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B. CERAMIC FLOOR TILE.
C. VAT/VCT.

9E REMOVE WALL BASE AND ASSOCIATED MASTIC ONLY - EXISTING FLOOR FINISH TO REMAIN. PATCH AREAS OF WALLS TO REMAIN THAT WERE DAMAGED BY REMOVAL OF WALL BASE.

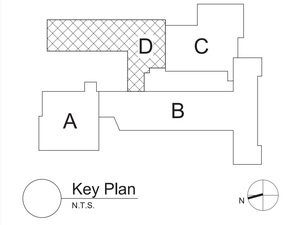
9F REMOVE WALL TILE IN ITS ENTIRETY. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK.

10B REMOVE TOILET COMPARTMENTS IN THEIR ENTIRETY.

10C REMOVE TOILET AND BATH ACCESSORIES. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK.

12A REMOVE CASEWORK, SHELVING AND ASSOCIATED COMPONENTS TO THE EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES. COORDINATE WITH CASEWORK AND MECHANICAL DRAWINGS.

12C REMOVE TEACHING SURFACES INCLUDING MARKER BOARDS, TACK BOARDS AND CHALK BOARDS. TURN OVER TO OWNER PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES AND SURFACES.



S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT WHERE EXCELLENCE IS THE STANDARD

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

BID SET

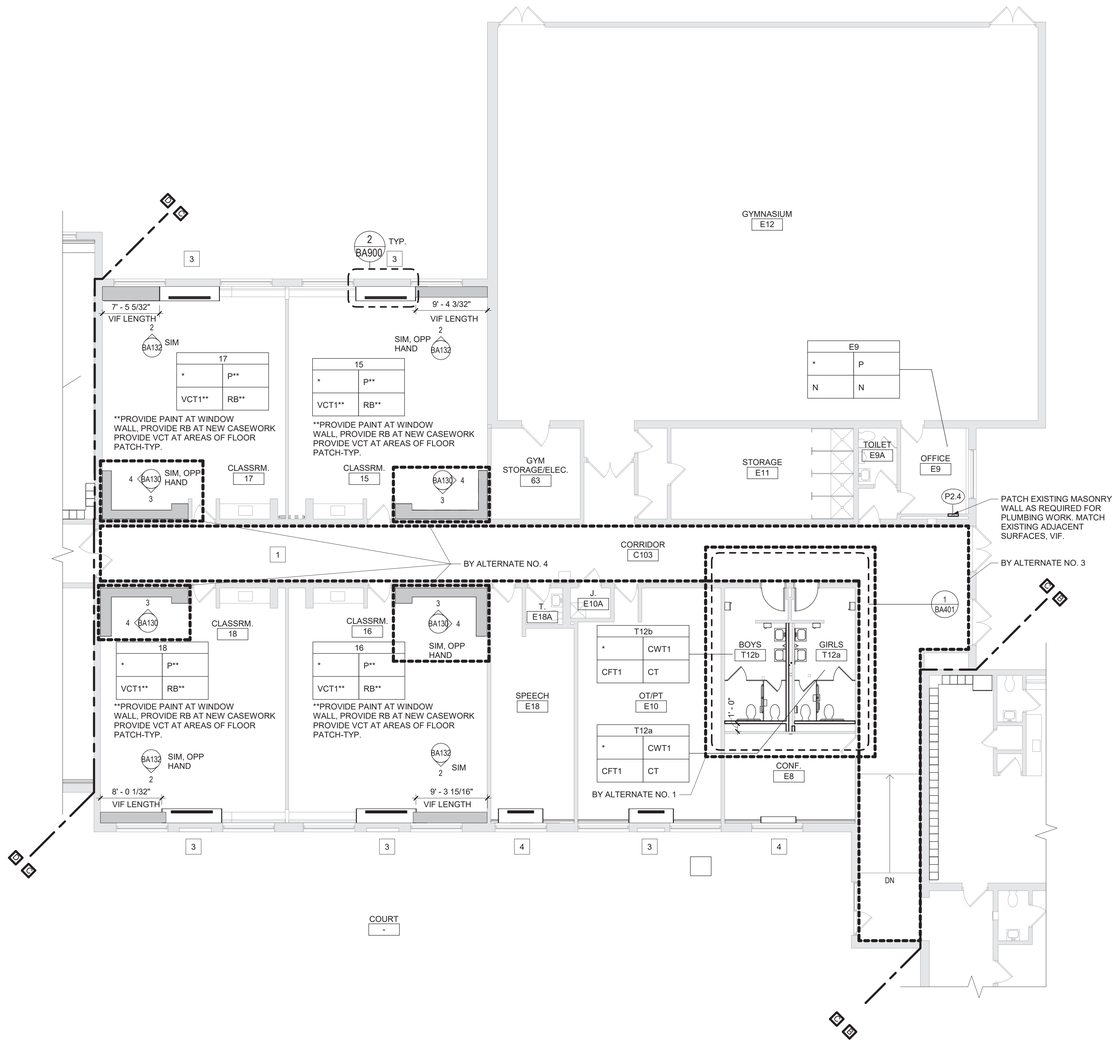
TETRA TECH
ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

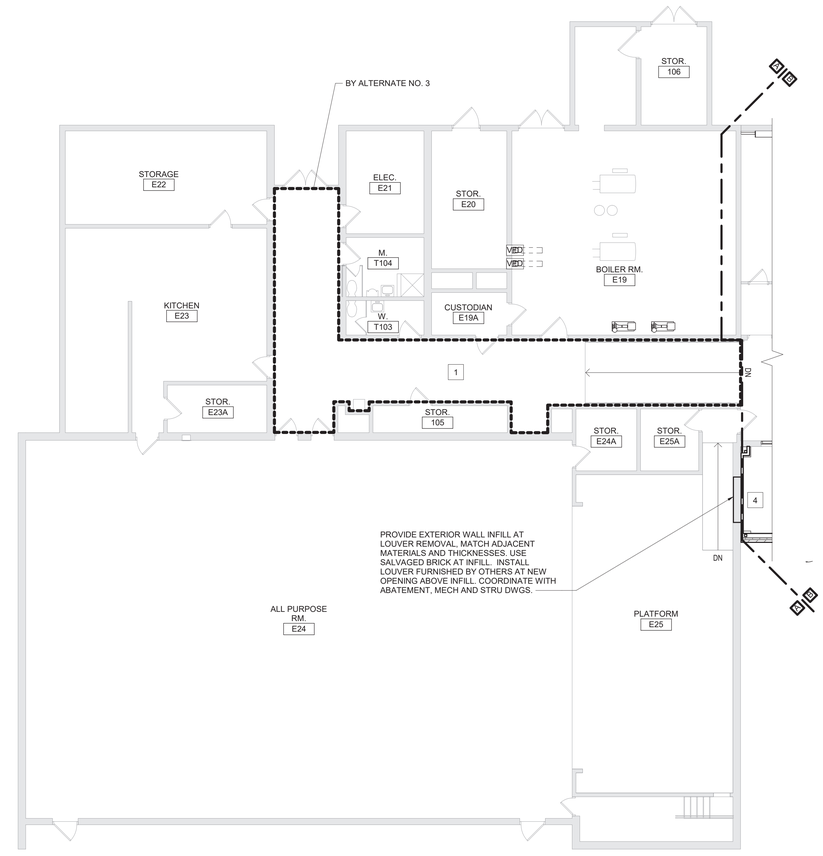
Additions and Alterations to:
Glenham Elementary School

First Floor Demolition Plan - Area D

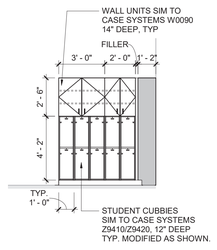
Drawn By:	Date:	Drawing Number:
GCK/tlg	10/28/2022	BA102
Project No.: 279180-22004		



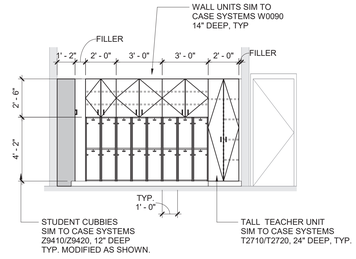
2 First Floor Plan - Area C
1/8" = 1'-0"



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



4 Classroom 15, 16-18, sim. - By Alternate No. 4
1/4" = 1'-0"



3 Classroom 15, 16-18, sim. - By Alternate No. 4
1/4" = 1'-0"

General Plan Notes

A. WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED, PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.

B. PARTITION TYPE TAGS APPLY TO ENTIRE LENGTH OF WALL INDICATED BY THAT TAG, REGARDLESS OF OPENINGS WITHIN THAT WALL, TYPICAL UNLESS NOTED OTHERWISE.

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2. ALL INTERIOR WALLS SHALL BE WALL/PARTITION TYPE P12.3, TYPICAL UNLESS NOTED OTHERWISE.

C. PROVIDE BRACING WITHIN CHASES AS FOLLOWS:

1. MASONRY WALLS: FULL-HEIGHT 4" CMU BRACES AT MAXIMUM SPACING OF 11'-0" OC.
2. GYPSUM BOARD/TILE BACKING PANELS ON METAL FRAMING: FULL-HEIGHT 6" METAL STUD BRACES AT MAXIMUM SPACING OF 11'-0" OC.

Keyed Plan Notes

1 REINSTALL EXISTING CEILING PANELS AND GRID.

2 INSTALL LOUVER IN EXG INSULATED PANEL, COORD WITH HVAC DRAWINGS

3 INSTALL LOUVER FURNISHED BY OTHERS AT EXISTING OPENING. COORDINATE WITH MECHANICAL DRAWINGS.

4 INSTALL LOUVER FURNISHED BY OTHERS AT NEW OPENING. COORDINATE WITH MECHANICAL DRAWINGS.

Room Finish Key

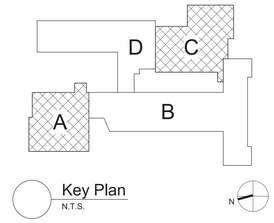
C1	CARPET - TYPE 1
C2	CARPET - TYPE 2
CFT1	CERAMIC FLOOR TILE - TYPE 1
CT	CERAMIC TILE COVE BASE
CWT1	CERAMIC WALL TILE - TYPE 1
LVT	LUXURY VINYL TILE
MCS	MOISTURE COMTROL SYSTEM
N	NO WORK REQUIRED
P	PAINT SURFACE(S) INCLUDING SOFFITS
RB	RUBBER BASE
VCT1	VINYL COMPOSITION TILE - TYPE 1
*	SEE REFLECTED CEILING PLAN
+	INDICATED CHANGE IN FLOOR FINISH

NOTE: ALL FINISHES LISTED MAY NOT BE REQUIRED FOR THIS PROJECT

FINISHES SHOWN IN ROOM FINISH BOX ARE FOR ALL WALLS AND ENTIRE FLOOR AND CEILING REFER TO EACH ROOM FOR MORE INFORMATION.

RM#	
CLG*	WALL
FLR	BASE

REFER TO DRAWING BA900 FOR GENERAL FINISH NOTES
REFER TO DRAWING BA900 FOR CASEWORK NOTES



S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT WHERE EXCELLENCE IS THE STANDARD

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

BID SET

TETRA TECH ARCHITECTS & ENGINEERS

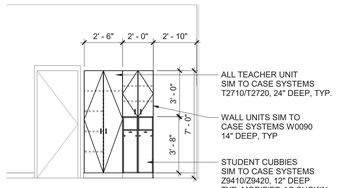
Beacon City School District
Beacon, New York

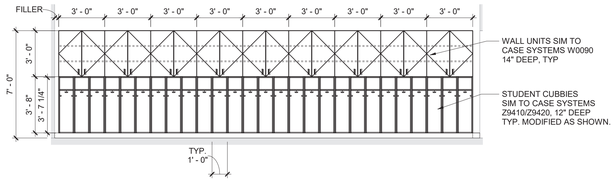
Additions and Alterations to:
Glenham Elementary School

First Floor Plan - Area A and C

Drawn By:	Date:	Drawing Number:
GCK/tlg	10/28/2022	BA130

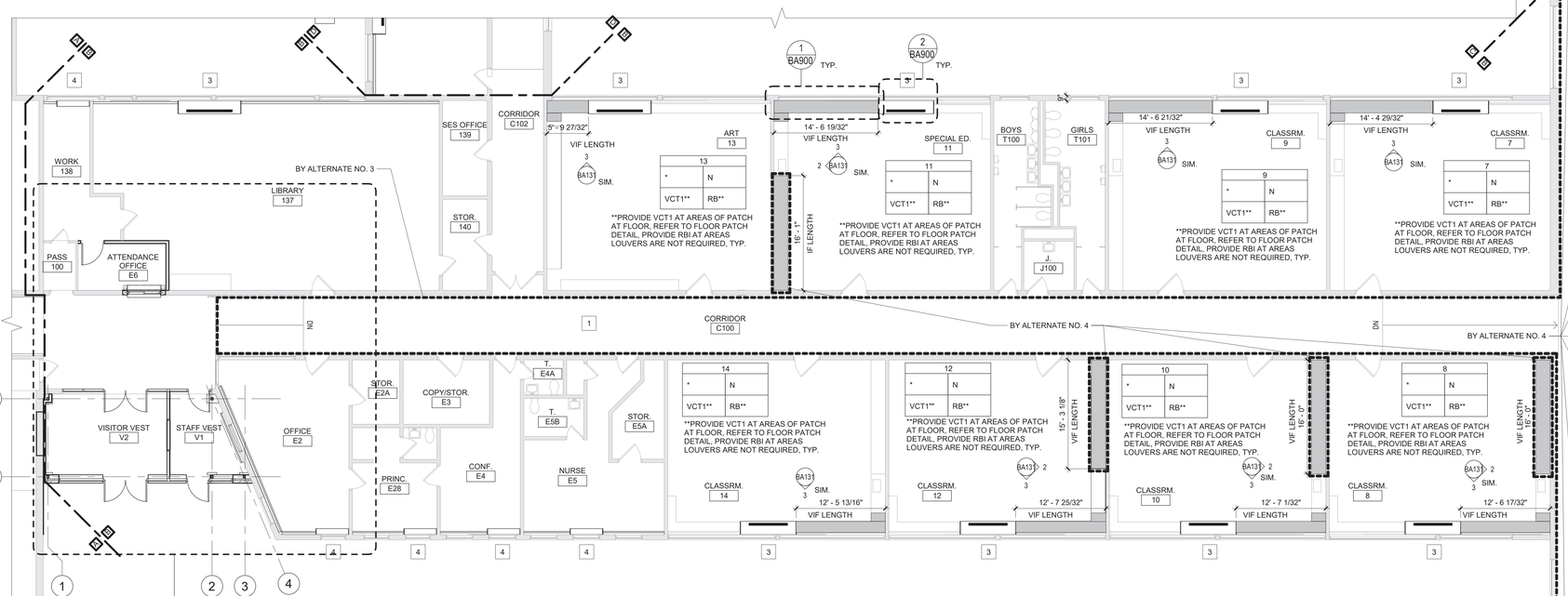
Project No.: 279180-22004



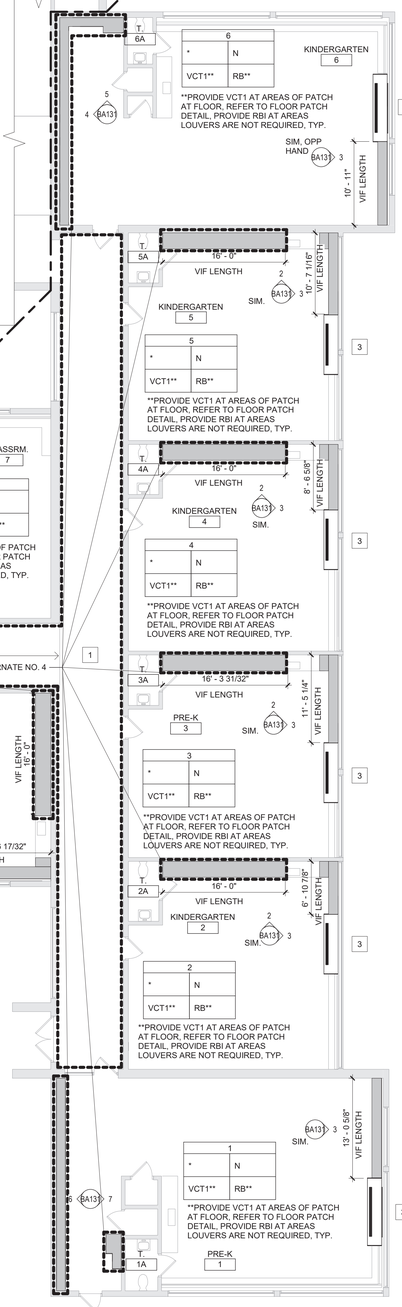


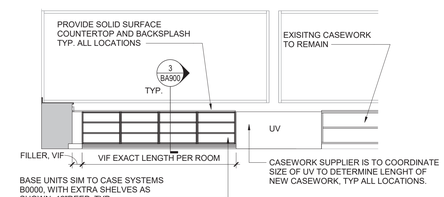
7 Kindergarten 1
1/4" = 1'-0"

6 Kindergarten 1
1/4" = 1'-0"



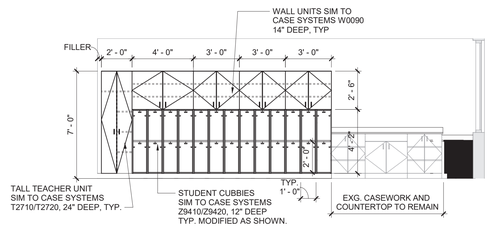
1 First Floor Plan - Area B
1/8" = 1'-0"





3 Casework at UV Room 12
1/4" = 1'-0"

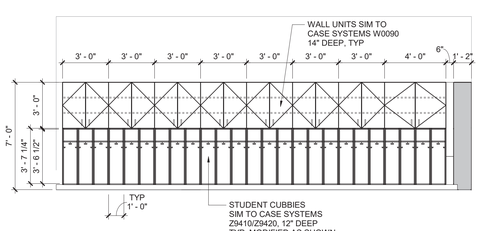
ROOMS 1-11, 13,14 SIM, OPP HAND



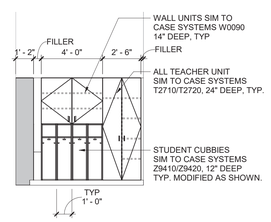
2 Cubbie Elevaton Room 12 - By Alternate No. 4
1/4" = 1'-0"

ROOMS 1-11, 13,14 SIM, OPP HAND

ALL CASEWORK REQUIRED, ARE TO BE FIELD VERIFIED PER ROOM PRIOR TO SUBMITION OF CASEWORK SHOP DRAWINGS TO ENSURE CORRECT SIZE, DISTANCE AND PLACEMENT, TYP.



4 Kindergarten 6, Pre K 1, sim Opp Hand - By Alternate No. 4
1/4" = 1'-0"



5 Kindergarten 6, Pre K 1, sim Opp Hand - By Alternate No. 4
1/4" = 1'-0"

General Plan Notes

A. WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED, PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.

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1. MASONRY WALLS: FULL-HEIGHT 4" CMU BRACES AT MAXIMUM SPACING OF 11'-0" OC.
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Keyed Plan Notes

1. REINSTALL EXISTING CEILING PANELS AND GRID.
2. INSTALL LOUVER IN EXG INSULATED PANEL, COORD WITH HVAC DRAWINGS
3. INSTALL LOUVER FURNISHED BY OTHERS AT EXISTING OPENING. COORDINATE WITH MECHANICAL DRAWINGS.
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Room Finish Key

C1	CARPET - TYPE 1
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VCT1	VINYL COMPOSITION TILE - TYPE 1
*	SEE REFLECTED CEILING PLAN
	INDICATED CHANGE IN FLOOR FINISH

NOTE: ALL FINISHES LISTED MAY NOT BE REQUIRED FOR THIS PROJECT

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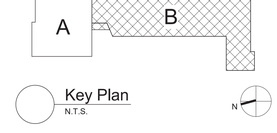
RM#	
CLG*	WALL
FLR	BASE

REFER TO DRAWING BA900 FOR GENERAL FINISH NOTES
REFER TO DRAWING BA900 FOR CASEWORK NOTES



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT WHERE EXCELLENCE IS THE STANDARD

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

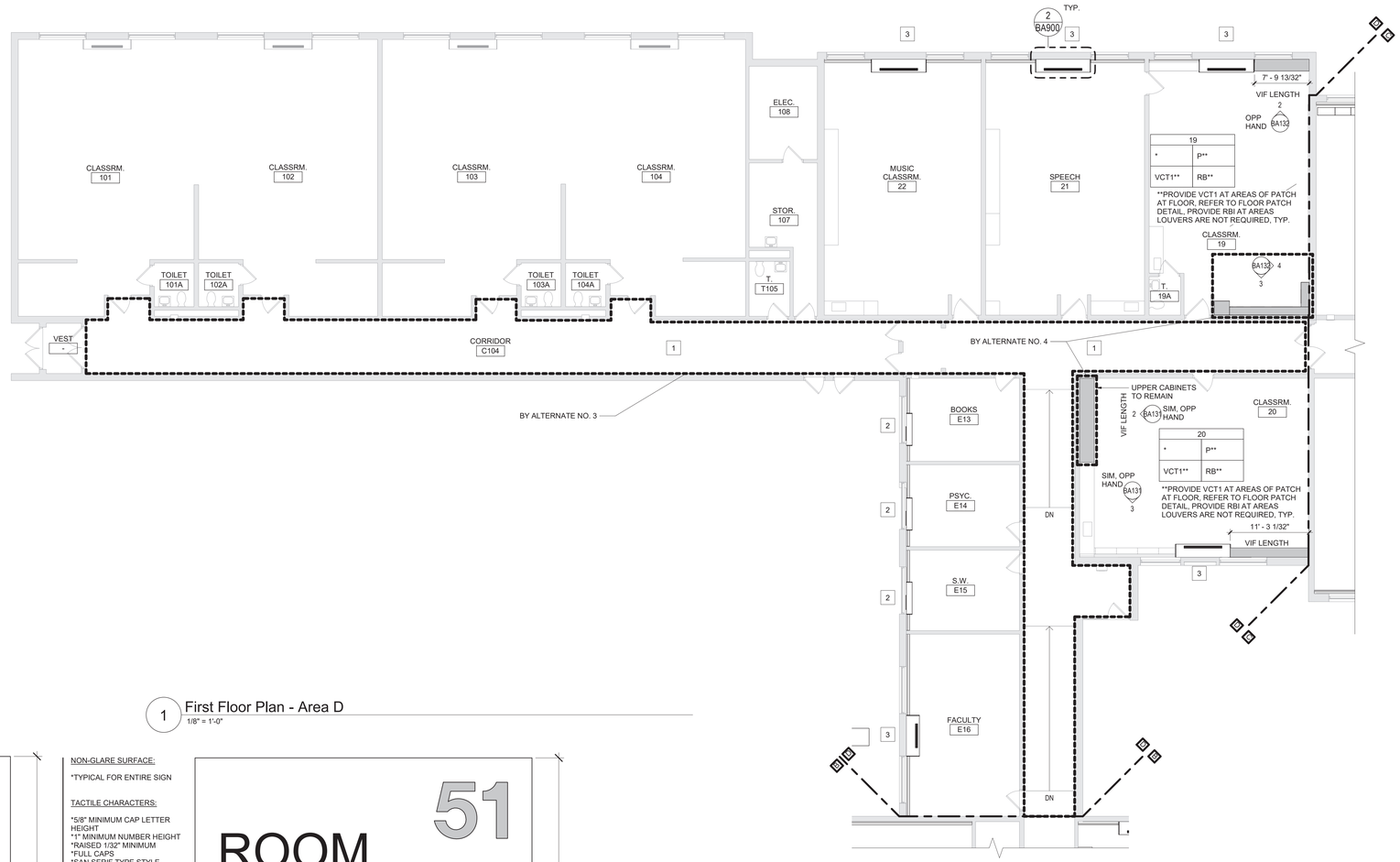
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Plan - Area B

Drawn By:	Date:	Drawing Number:
GCK/tlg	10/28/2022	BA131

Project No.: 279180-22004



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

NON-GLARE SURFACE:

*TYPICAL FOR ENTIRE SIGN

PICTOGRAM:

*APPEARS ON MINIMUM 6"x6" CLEAR FIELD
*PICTOGRAM NOT REQUIRED TO BE RAISED
*PICTOGRAM MUST CONTRAST WITH BACKGROUND

TYPE 8 - Girls'/Women's Restroom Plaque
TYPE 9 - Boys'/Men's Restroom Plaque (SIM)
TYPE 10 - Unisex Accessible Plaque (SIM)

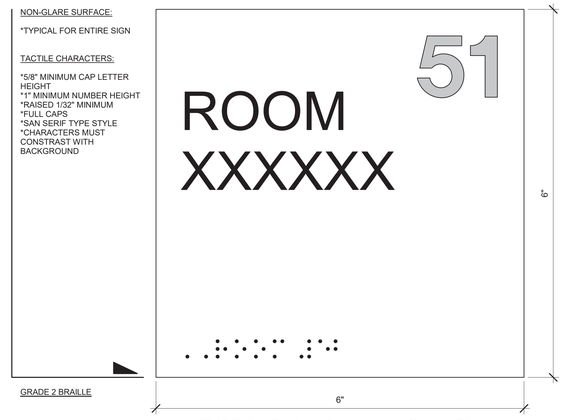
TYPE 7 - Typical Room Name Plaque

NON-GLARE SURFACE:

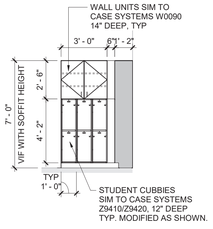
*TYPICAL FOR ENTIRE SIGN

TACTILE CHARACTERS:

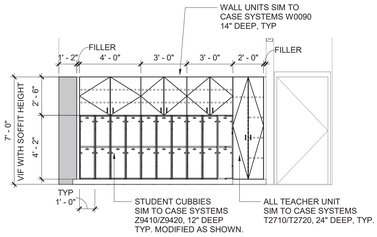
*5/8" MINIMUM CAP LETTER HEIGHT
*1" MINIMUM NUMBER HEIGHT
*RAISED 1/32" MINIMUM
*FULL CAPS
*SAN SERIF TYPE STYLE
*CHARACTERS MUST CONSTRAST WITH BACKGROUND



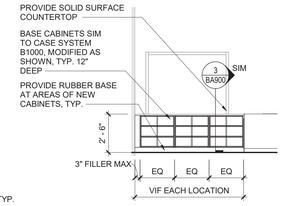
TYPE 5 - Typical Permanent Room Plaque



4 Classroom 19 - By Alternate No. 4
1/4" = 1'-0"



3 Classroom 19 - By Alternate No. 4
1/4" = 1'-0"



2 Typical Casework Elevation at UV
1/4" = 1'-0"

General Plan Notes

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Keyed Plan Notes

1 REINSTALL EXISTING CEILING PANELS AND GRID.

2 INSTALL LOUVER IN EXG INSULATED PANEL, COORD WITH HVAC DRAWINGS

3 INSTALL LOUVER FURNISHED BY OTHERS AT EXISTING OPENING. COORDINATE WITH MECHANICAL DRAWINGS.

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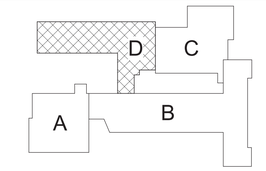
RM#	
CLG*	WALL
FLR	BASE

REFER TO DRAWING BA900 FOR GENERAL FINISH NOTES
REFER TO DRAWING BA900 FOR CASEWORK NOTES



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT WHERE EXCELLENCE IS THE STANDARD

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

BID SET

TETRA TECH ARCHITECTS & ENGINEERS

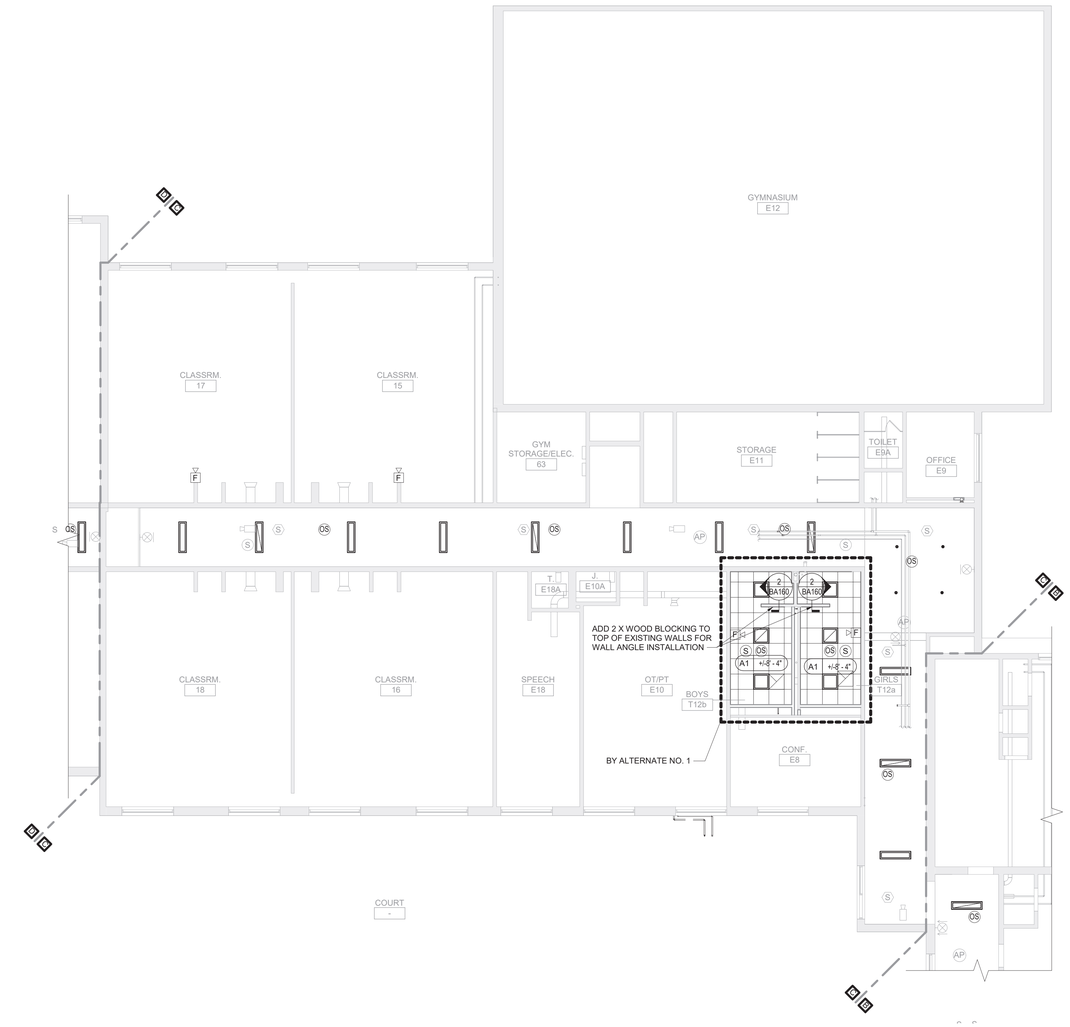
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Plan - Area D

Drawn By:	Date:	Drawing Number:
GCK/tlg	10/28/2022	BA132

Project No.: 279180-22004



1 First Floor Reflected Ceiling Plan - Area C
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

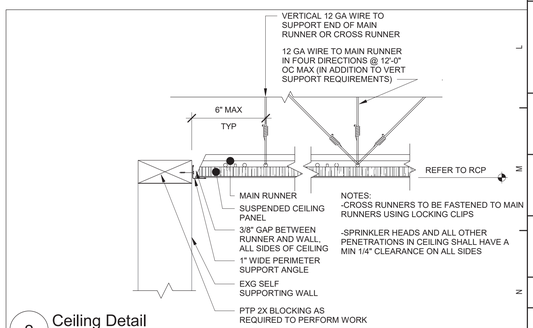
(A1 | X'-X") ACOUSTIC PANEL CEILING

(A2 | X'-X") ACOUSTIC PANEL CEILING

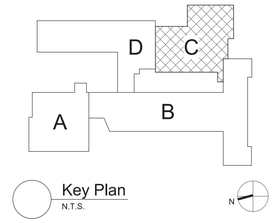
(B1 | X'-X") PAINTED 1/2" EXTERIOR GRADE GYPSUM CEILING ON SUPPORT MATERIALS (GRID SUSPENSION SYSTEM, TYP UNO)

NOTE: AT AREAS WITH "+/-", THE INTENT IS TO MATCH EXISTING, VERIFY IN FIELD.

REFER TO BA130 SERIES DWGS FOR REINSTALLATION OF SALVAGED CEILING AREAS.



2 Ceiling Detail
3" = 1'-0"



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

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TETRA TECH ARCHITECTS & ENGINEERS

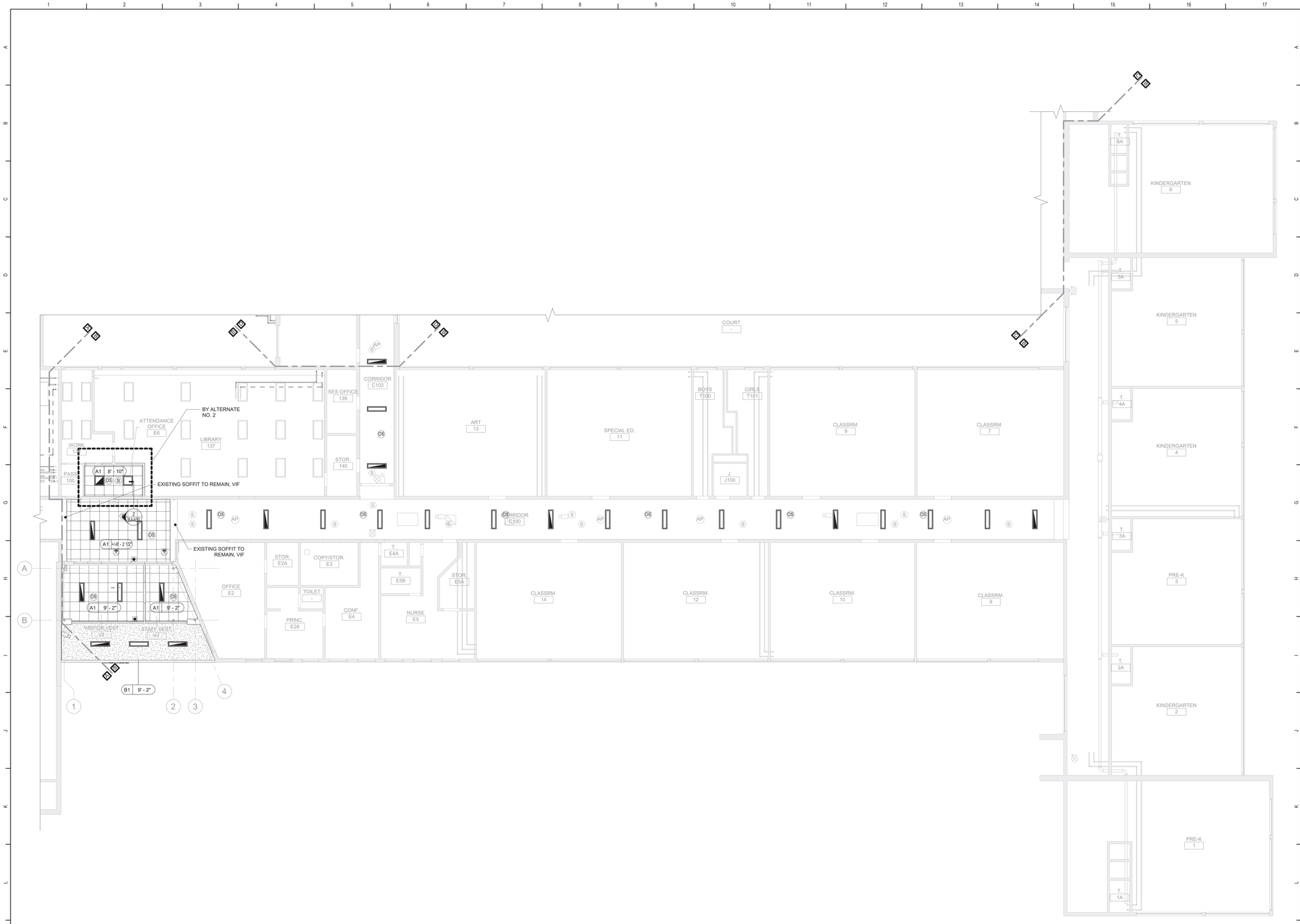
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Reflected Ceiling Plan - Area C

Drawn By:	Date:	Drawing Number:
GCK/tlg	10/28/2022	BA160

Project No.: 279180-22004



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

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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

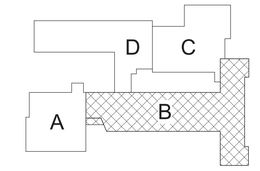
(A1 | X'-X") ACOUSTIC PANEL CEILING

(A2 | X'-X") ACOUSTIC PANEL CEILING

(B1 | X'-X") PAINTED 1/2" EXTERIOR GRADE GYPSUM CEILING ON SUPPORT MATERIALS (GRID SUSPENSION SYSTEM, TYP UNO)

NOTE: AT AREAS WITH "+/-", THE INTENT IS TO MATCH EXISTING, VERIFY IN FIELD.

REFER TO BA130 SERIES DWGS FOR REINSTALLATION OF SALVAGED CEILING AREAS.



Key Plan
N.T.S.

N

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT — WHERE EXCELLENCE IS THE STANDARD

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

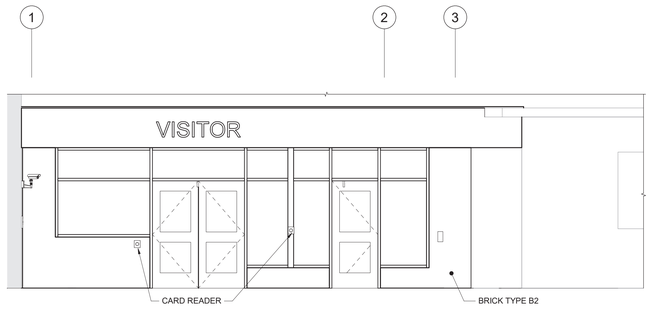
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

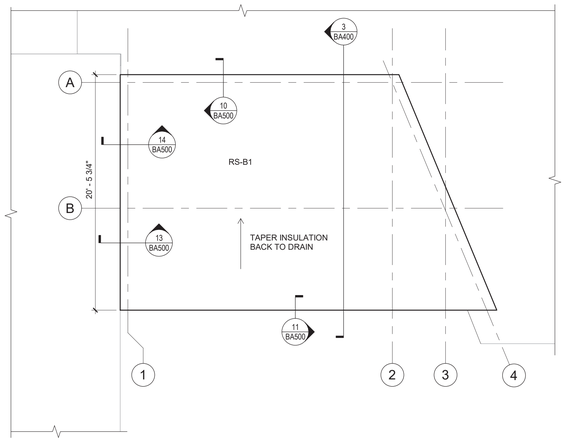
First Floor Reflected Ceiling Plan - Area B

Drawn By:	Date:	Drawing Number:
GCK/tlg	10/28/2022	BA161

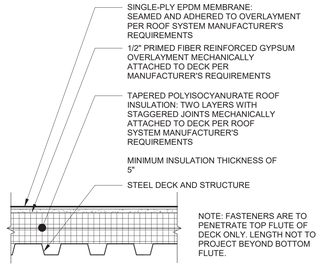
Project No.: 279180-22004



4 Main Entry Elevation
1/4" = 1'-0"

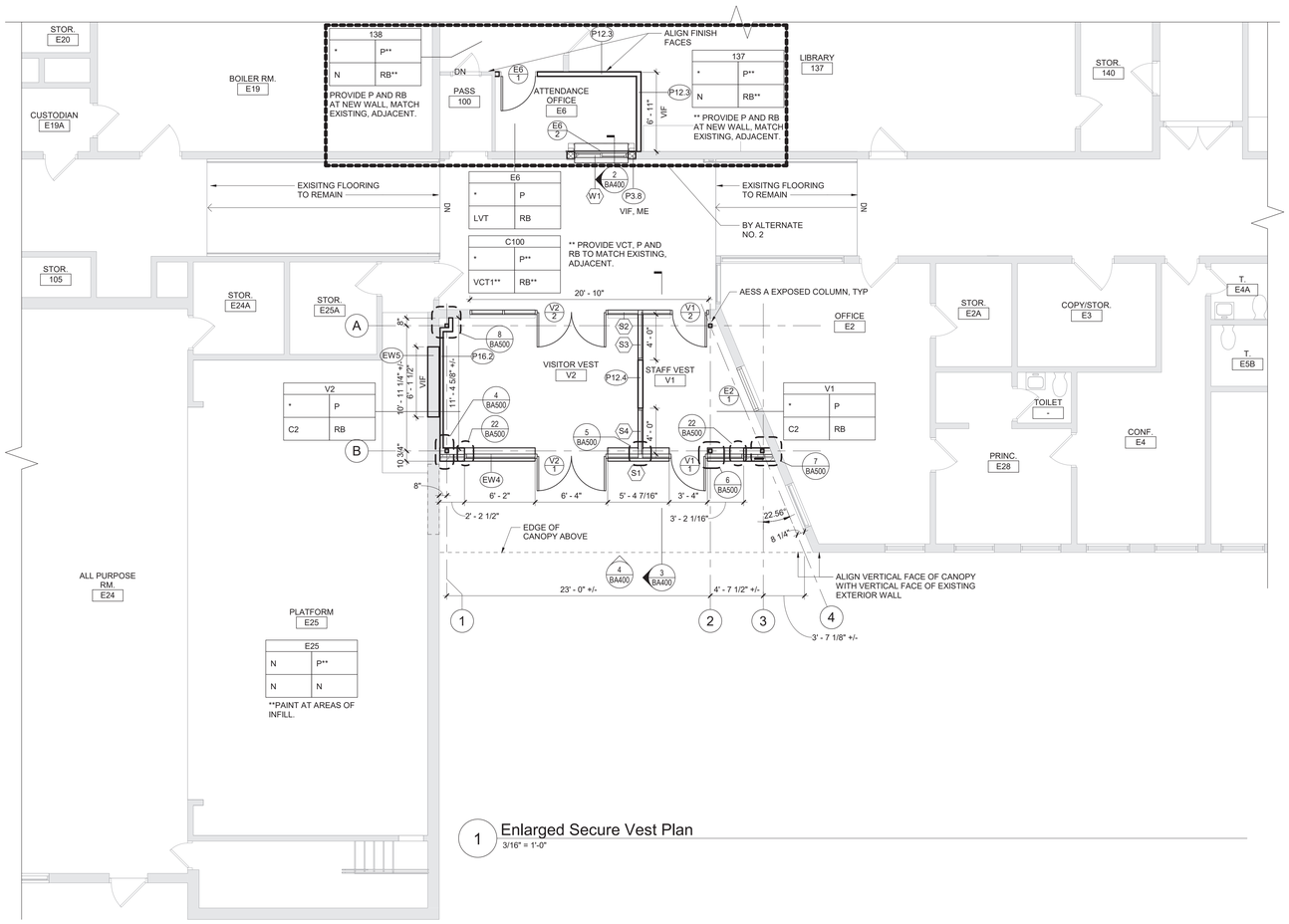


5 Roof Plan
3/16" = 1'-0"

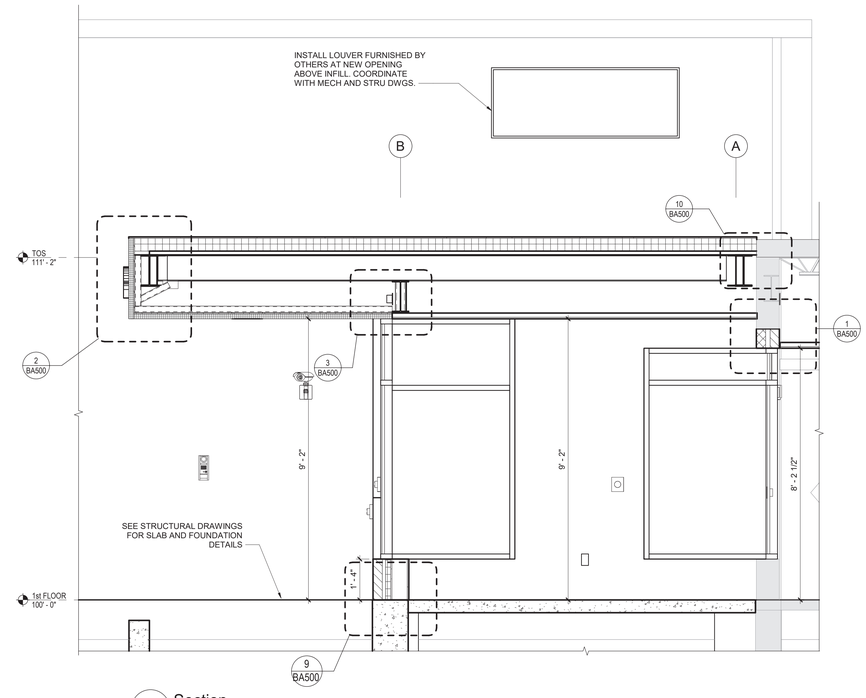


ROOFING THERMAL PERFORMANCE R=25

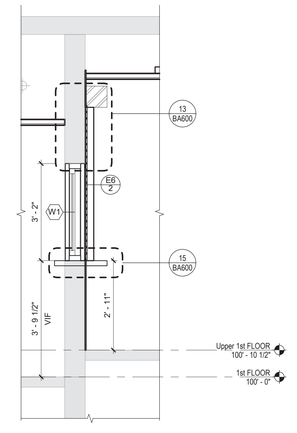
6 Roof System RS-B1
1 1/2" = 1'-0"



1 Enlarged Secure Vest Plan
3/16" = 1'-0"



3 Section
1/2" = 1'-0"



2 Storefront 1 Section
1/2" = 1'-0"

Room Finish Key

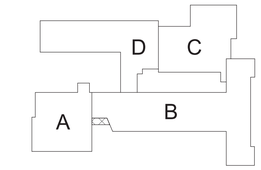
C1	CARPET - TYPE 1
C2	CARPET - TYPE 2
CFT1	CERAMIC FLOOR TILE - TYPE 1
CT	CERAMIC TILE COVE BASE
CWT1	CERAMIC WALL TILE - TYPE 1
LVT	LUXURY VINYL TILE
MCS	MOISTURE COMTROL SYSTEM
N	NO WORK REQUIRED
P	PAINT SURFACE(S) INCLUDING SOFFITS
RB	RUBBER BASE
VCT1	VINYL COMPOSITION TILE - TYPE 1
*	SEE REFLECTED CEILING PLAN
	INDICATED CHANGE IN FLOOR FINISH

NOTE: ALL FINISHES LISTED MAY NOT BE REQUIRED FOR THIS PROJECT

FINISHES SHOWN IN ROOM FINISH BOX ARE FOR ALL WALLS AND ENTIRE FLOOR AND CEILING REFER TO EACH ROOM FOR MORE INFORMATION.

RM#	
CLG*	WALL
FLR	BASE

REFER TO DRAWING BA900 FOR GENERAL FINISH NOTES
REFER TO DRAWING BA900 FOR CASEWORK NOTES



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT WHERE EXCELLENCE IS THE STANDARD

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BID SET

TETRA TECH ARCHITECTS & ENGINEERS

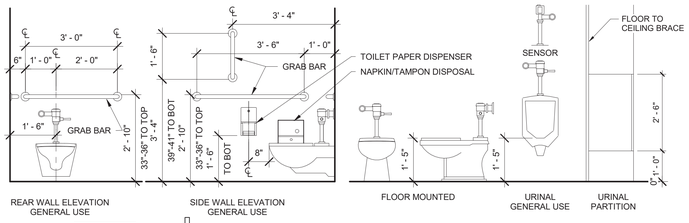
Beacon City School District
Beacon, New York

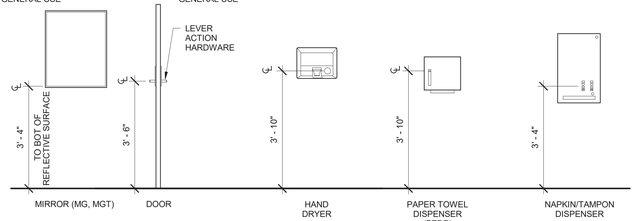
Additions and Alterations to:
Glenham Elementary School

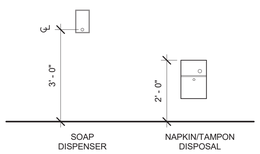
Enlarged Vestibule Plans / Elevations / Sections

Drawn By:	Date:	Drawing Number:
GCK/tlg	10/28/2022	BA400

Project No.: 279180-22004

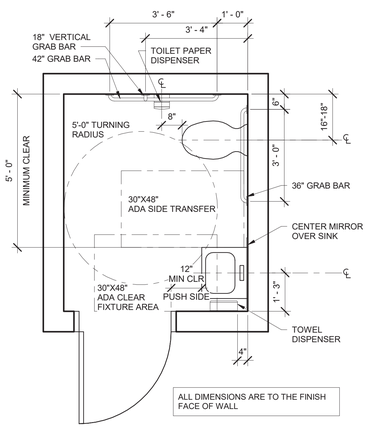






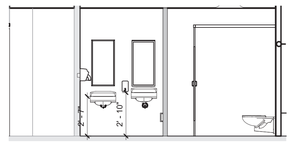
TOILET ROOM ACCESSORIES TO BE MOUNTED AS PER MANUFACTURERS INSTRUCTIONS FOR BARRIER FREE REQUIREMENTS

10 Toilet Accessories - Mounting Heights 7th Gr - Adult
1/2" = 1'-0"

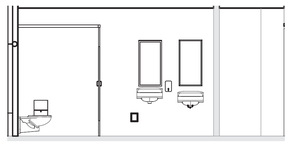


- DIMENSIONS IN DETAIL ARE TO FACE OF FINISH
- FOR METAL STUD CONSTRUCTION ADJUST ENLARGED TOILET ROOM PLANS TO INCORPORATE GWB AND CERAMIC TILE

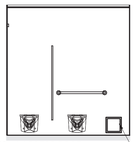
11 Typical ADA Clearances
1/2" = 1'-0"



6 Interior Elevation - Boys
1/4" = 1'-0"

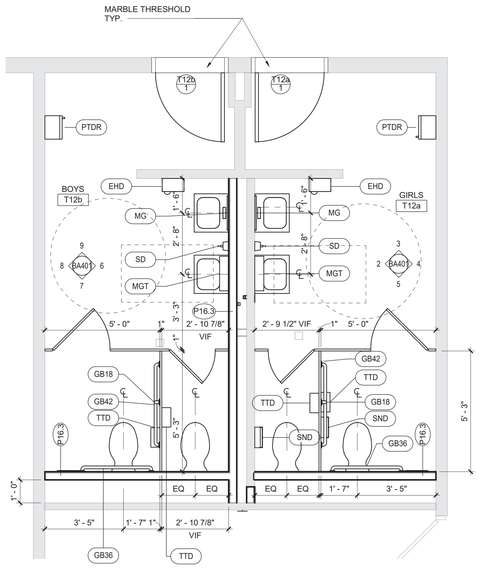


2 Interior Elevation - Girls
1/4" = 1'-0"



7 Interior Elevation - Boys
1/4" = 1'-0"

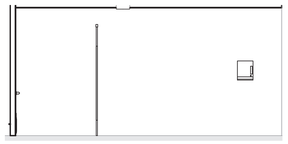
3 Interior Elevation - Girls
1/4" = 1'-0"



1 Enlarged ADA Bathrooms Plan - By Alternate No. 1
3/8" = 1'-0"

Toilet Room Accessory Schedule

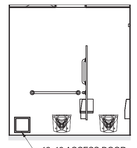
ITEM	DESCRIPTION	COMMENTS
GB18	18" GRAB BAR - VERTICAL	
GB36	36" GRAB BAR - HORIZONTAL	
GB42	42" GRAB BAR - HORIZONTAL	
EHD	ELECTRIC HAND DRYER - STANDARD	
MG	MIRROR	1'-6" x 3'-0"
MGT	MIRROR - TILT	1'-6" x 3'-0"
PTDR	PAPER TOWEL DISPENSER - ROLL	OWNER FURNISHED, CONTRACTOR INSTALLED
SND	SANITARY NAPKIN DISPOSAL	
SD	SOAP DISPENSER - VERTICAL	OWNER FURNISHED, CONTRACTOR INSTALLED
TTD	TOILET TISSUE DISPENSER - JUMBO	OWNER FURNISHED, CONTRACTOR INSTALLED



8 Interior Elevation - Boys
1/4" = 1'-0"

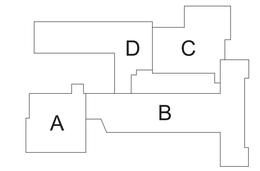
4 Interior Elevation - Girls
1/4" = 1'-0"

9 Interior Elevation - Boys
1/4" = 1'-0"



5 Interior Elevation - Girls
1/4" = 1'-0"

REFER TO DRAWING BA900 FOR GENERAL FINISH NOTES
REFER TO DRAWING BA900 FOR CASEWORK NOTES



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

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TETRA TECH ARCHITECTS & ENGINEERS

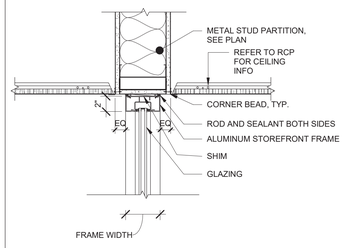
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

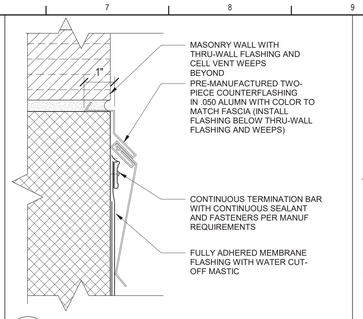
Enlarged Toilet Room Plans / Interior Elevations

Drawn By:	Date:	Drawing Number:
GCK/ltg	10/28/2022	BA401

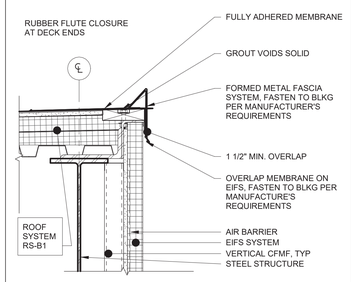
Project No.:
279180-22004



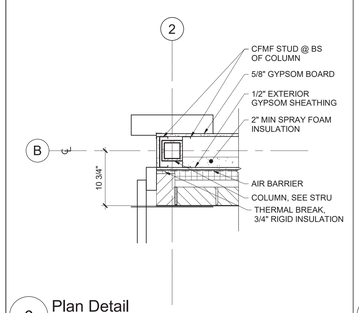
20 Head Detail
1 1/2" = 1'-0"



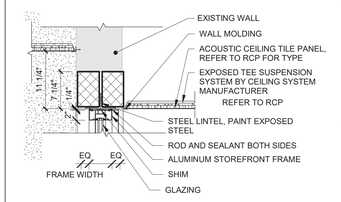
15 Enlarged Flashing Detail
6" = 1'-0"



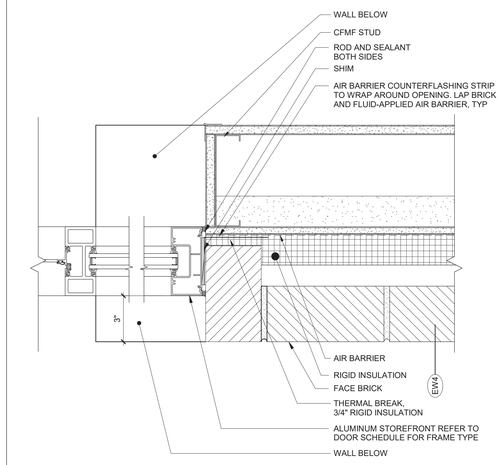
11 Roof Edge Detail
1 1/2" = 1'-0"



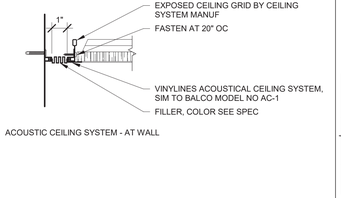
6 Plan Detail
1" = 1'-0"



1 Vestibule Ceiling Detail
1" = 1'-0"

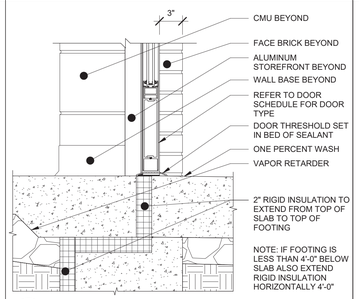


21 Jamb Detail
3" = 1'-0"

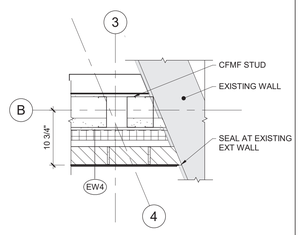


ACOUSTIC CEILING SYSTEM - AT WALL

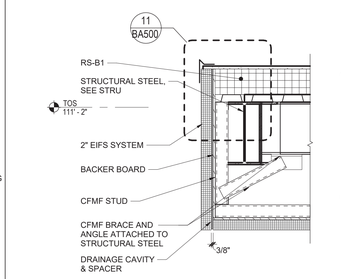
16 1" Expansion Joint Details - Ceiling
3" = 1'-0"



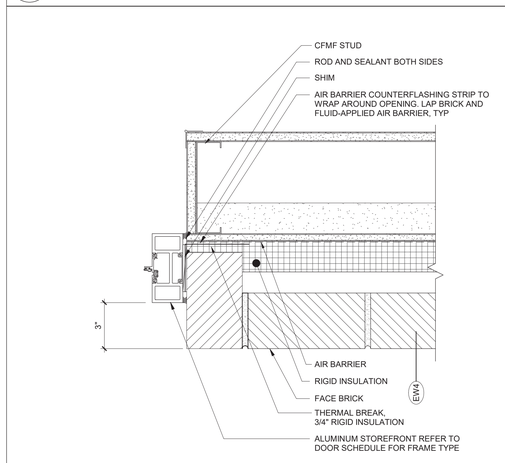
12 Threshold Detail
1 1/2" = 1'-0"



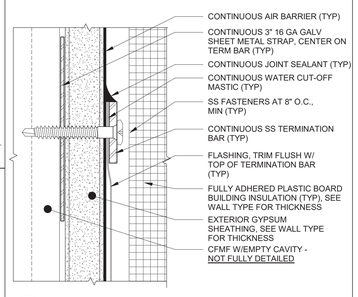
7 Plan Detail
1" = 1'-0"



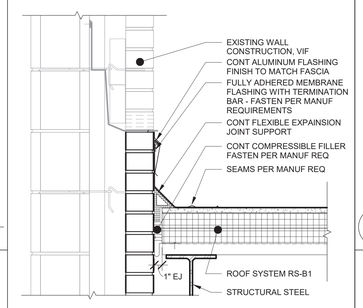
2 Canopy Roof Edge Detail
1" = 1'-0"



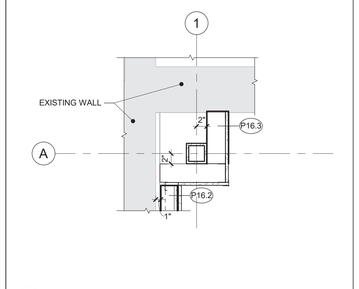
22 Jamb Detail
3" = 1'-0"



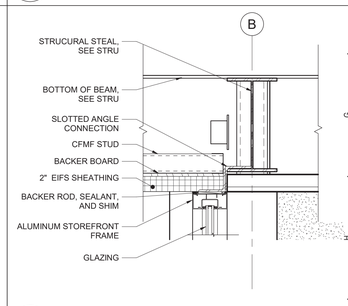
17 Typical Termination Bar at CFMF Wall
1"2" = 1'-0"



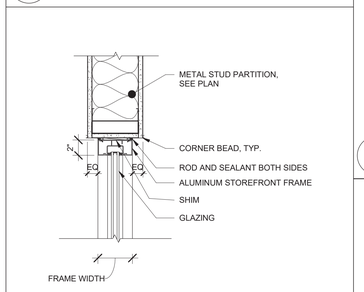
13 Base Flashing at Expansion Joint
1 1/2" = 1'-0"



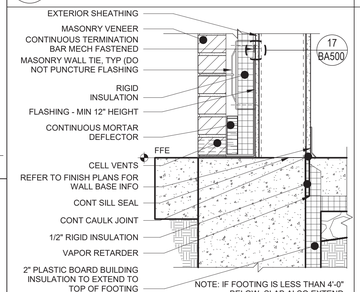
8 Plan Detail
1" = 1'-0"



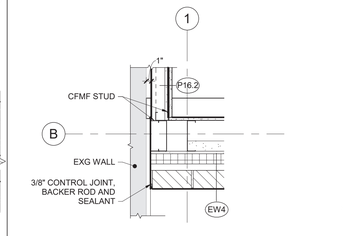
3 Vestibule Ceiling Detail
1 1/2" = 1'-0"



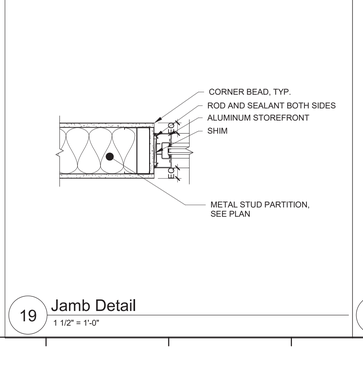
18 Head Detail
1 1/2" = 1'-0"



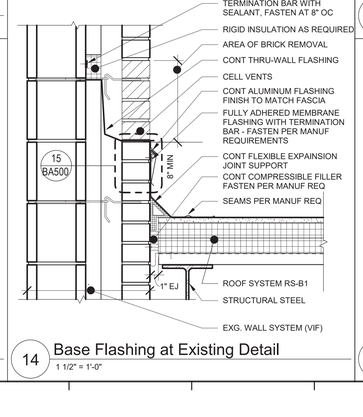
9 Wall Base Detail
1 1/2" = 1'-0"



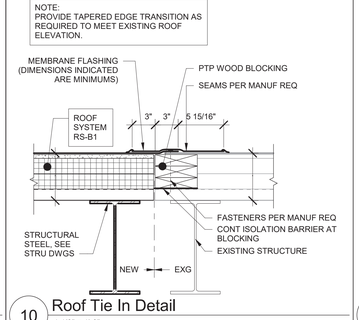
4 Plan Detail
1" = 1'-0"



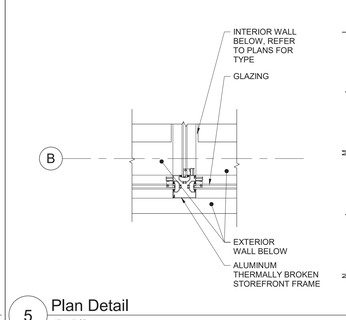
19 Jamb Detail
1 1/2" = 1'-0"



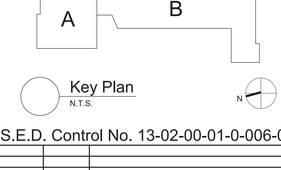
14 Base Flashing at Existing Detail
1 1/2" = 1'-0"



10 Roof Tie In Detail
1 1/2" = 1'-0"



5 Plan Detail
1" = 1'-0"



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

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ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

Details

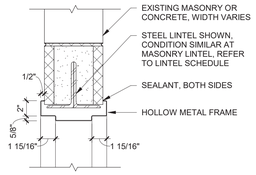
Drawn By:	Date:	Drawing Number:
GCK/tlg	10/28/2022	BA500
Project No.: 279180-22004		

Door Schedule

ROOM NUMBER	DOOR NUMBER	DOOR						FRAME								HDW SET	REMARKS
		TYPE	MATERIAL	WIDTH	HEIGHT	RATING	GLAZING	TYPE	MATERIAL	WIDTH	HEIGHT	RATING	GLAZING	HEAD	JAMB	SILL	
E2	1	-	-	0"	0"	-	-	F22	HM	4' - 1"	5' - 4"	20 MIN	FRI	J-6	J-6	J-6, SIM	12	
E6	1	N	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H-13	J-13	-	03	
E6	2	CD1	HM	4' - 10"	5' - 0"	60 MIN	-	-	STL	5' - 9 1/4"	5' - 0"	60 MIN	-	13/BA600	14/BA600	15/BA600	13	
T12a	1	F	WD	3' - 0"	7' - 0"	-	-	F2	HM	3' - 4"	7' - 2"	-	-	H-4	J-4	-	14	NOTE 1
T12b	1	F	WD	3' - 0"	7' - 0"	-	-	F2	HM	3' - 4"	7' - 2"	-	-	H-4	J-4	-	14	NOTE 1
V1	1	G2	AL	3' - 0"	7' - 0"	-	FCE/SCL	S1 S2	AL	0"	0"	-	FCE/SCL	3/BA500	6/BA500 AND 22/BA500	12/BA500	E17	NOTE 2
V1	2	G2	AL	3' - 0"	7' - 0"	-	FCE/SCL	S2	AL	0"	0"	-	FCE/SCL	1/BA500	22/BA500	-	E18	NOTE 3
V2	1	G2-PR	AL	3' - 0"	7' - 0"	-	FCE/SCL	S1	AL	0"	0"	-	FCE/SCL	3/BA500	22/BA500	12/BA500	E19	NOTE 2
V2	2	G2-PR	AL	3' - 0"	7' - 0"	-	FCE/SCL	S2	AL	0"	0"	-	FCE/SCL	1/BA500	22/BA500	-	E20	NOTE 3

GENERAL NOTES:
VERIFY ALL DIMENSIONS IN THE FIELD

SPECIFIC NOTES:
- NOT APPLICABLE
1. PROVIDE 10" HIGH BY 20" WIDE LOUVER IN DOOR, VERIFY OPENING DIMENSIONS IN FIELD.
2. PROVIDE CARD READER AND ELECTRONIC HARDWARE, COORD WITH ELEC DWGS AND SECURITY CONTRACTOR
3. PROVIDE CARD READER, ELECTRONIC HARDWARE AND REMOTE RELEASE, COORDINATE WITH ELEC DWGS AND SECURITY CONCTRACTOR



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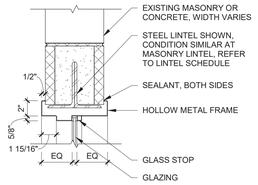

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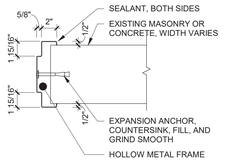

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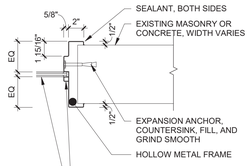

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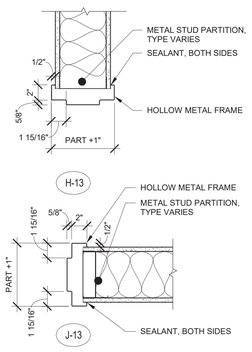

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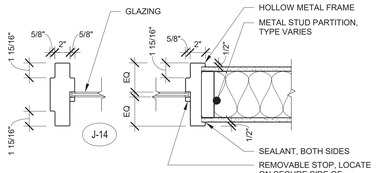
J-13



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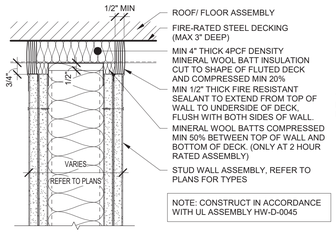
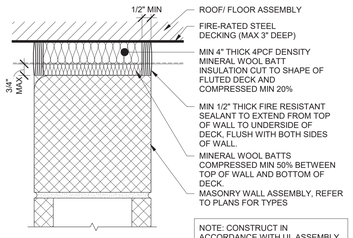


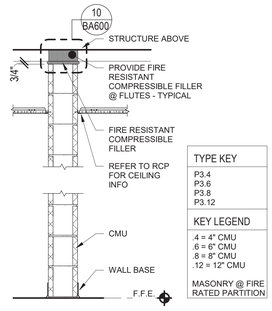
NOTE: CONSTRUCT IN ACCORDANCE WITH UL ASSEMBLY HW-D-0045

9 Typical Top of Wall Assembly (Rated)
3" = 1'-0"



NOTE: CONSTRUCT IN ACCORDANCE WITH UL ASSEMBLY HW-D-0081

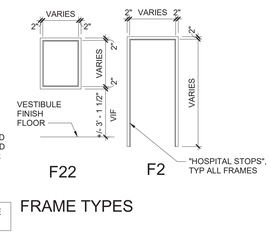
10 Typical Rated Top of Wall Assembly
3" = 1'-0"



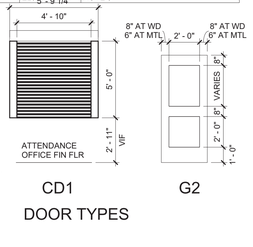
TYPE KEY
P3.4
P3.6
P3.8
P3.12

KEY LEGEND
.4 = 4" CMU
.6 = 6" CMU
.8 = 8" CMU
.12 = 12" CMU
MASONRY @ FIRE RATED PARTITION

P3.6 UL DESIGN # U906 (2HRS)
P3.8 UL DESIGN # U905 (2HRS)
P3.12 UL DESIGN # U905 (2HRS)



FRAME TYPES



DOOR TYPES

General Window Notes

A. INSULATING GLASS UNITS SHALL BE TYPE FCE/SCL, TYP UNO.

B. RESCUE WINDOWS ARE INDICATED BY THE DESIGNATION "RW" ON CODE DRAWINGS.

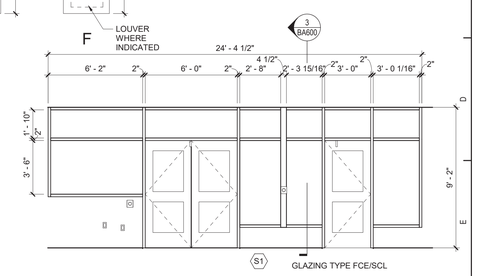
C. PROVIDE ALL ALUMINUM FLASHINGS, RECEIVERS, TRIM AND SILLS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION REGARDLESS OF IF SHOWN ON DRAWINGS.

D. REFER TO WINDOW TREATMENTS AS SHOWN ON DRAWINGS.

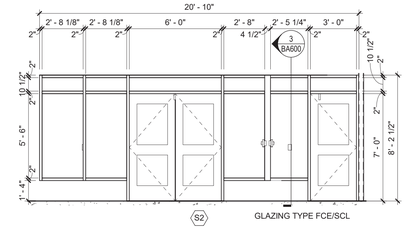
E. GLAZING SYSTEMS FRAME TYPE KEY:
F HOLLOW METAL
S ALUMINUM STOREFRONT
W ALUMINUM WINDOWS

F. PROVIDE INTERNAL STEEL REINFORCEMENT TO WINDOW, STOREFRONT SYSTEM AS REQUIRED TO COMPLY WITH WIND LOADING OR OTHER DESIGN CRITERIA, OR AS RECOMMENDED BY MANUFACTURER.

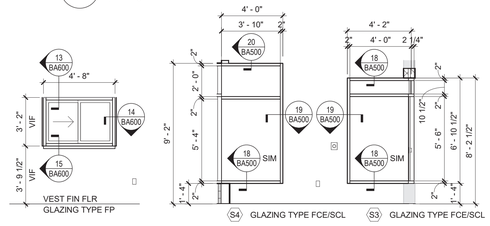
G. ALUMINUM WINDOW, STOREFRONT FRAME EXTRUSIONS ARE INTENDED AS GENERIC GRAPHIC REPRESENTATIONS ONLY.



1 Storefront S1
1/4" = 1'-0"



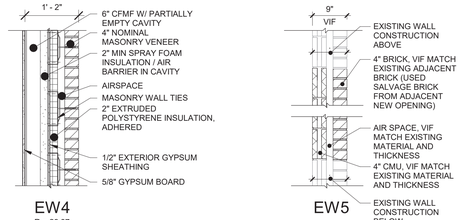
2 Storefront S2
1/4" = 1'-0"



3 Storefront S3 and S4
1/4" = 1'-0"

4 W1
1/4" = 1'-0"

5 Typical Exterior Wall Types
3/4" = 1'-0"

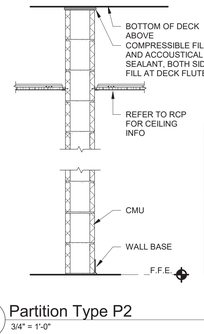


NOTES: (APPLIES TO ALL EXTERIOR WALL TYPES)

A. REFER TO STRUCTURAL AND ARCHITECTURAL DWGS FOR LOCATIONS OF COLUMN CENTERLINES. SEE STRUCTURAL DWGS FOR FOOTING, FOUNDATION, FLOOR SLAB DETAILS.

B. TOOL MORTAR JOINTS FLUSH ON CAVITY SIDE(S) OF CMU BACKUP WALL TO RECEIVE AIR BARRIER. CMU SHALL BE FREE OF DEFECTS, TYP.

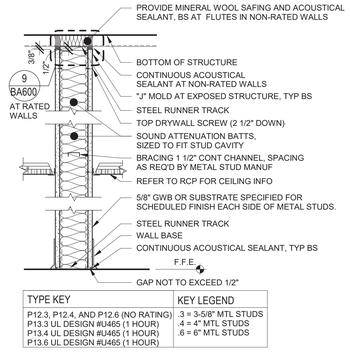
6 Partition Type P2
3/4" = 1'-0"



TYPE KEY
P2.4
P2.4S
P2.6
P2.8
P2.12

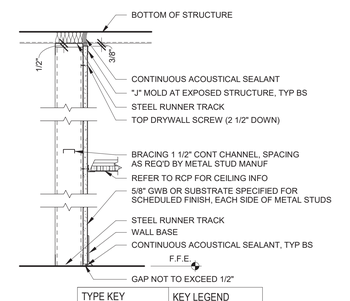
KEY LEGEND
.4 = 4" CMU
.6 = 6" CMU
.8 = 8" CMU
.12 = 12" CMU
S = SOLID

7 Metal Stud Partition Type P12 and P13
1 1/2" = 1'-0"



TYPE KEY	KEY LEGEND
P12.3, P12.4, AND P12.6 (NO RATING)	.3 = 3-5/8" MTL STUDS
P13.3 UL DESIGN #U465 (1 HOUR)	.4 = 4" MTL STUDS
P13.4 UL DESIGN #U465 (1 HOUR)	.6 = 6" MTL STUDS
P13.6 UL DESIGN #U465 (1 HOUR)	

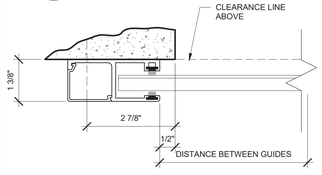
8 Metal Stud Partition Type P16
1 1/2" = 1'-0"



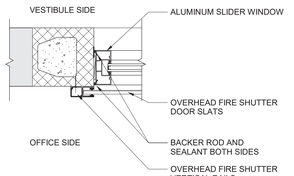
TYPE KEY	KEY LEGEND
P16.2	.2 = 2-5/8" MTL STUDS
P16.3	.3 = 3-5/8" MTL STUDS
P16.4	.4 = 4" MTL STUDS
P16.6	.6 = 6" MTL STUDS

11 Partition Type P3
3/4" = 1'-0"

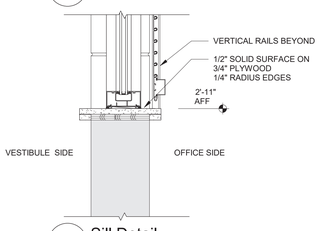
12 Hollow Metal Frame Details
1 1/2" = 1'-0"



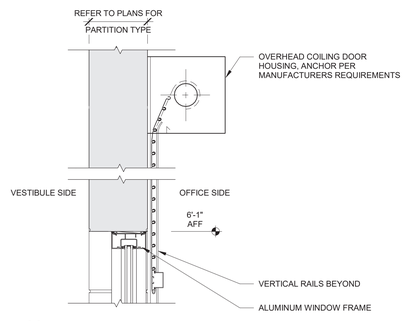
16 Jamb Detail
6" = 1'-0"



14 Head Detail
1 1/2" = 1'-0"



15 Sill Detail
1 1/2" = 1'-0"



13 Head Detail
1 1/2" = 1'-0"

General Door Notes

A. SEE DWGS BA601 FOR ADDITIONAL INFORMATION AND DETAILS.

B. 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.

C. METAL VISION PANEL TRIM SHALL BE PAINTED SAME COLOR AS DOOR FRAMES.

D. ALL DOORS WITH ELECTRO-MAGNETIC HOLD OPEN DEVICES SHALL SWING TOWARDS ADJACENT WALLS. COORDINATE ALL INSTANCES WITH CONTRACTOR RESPONSIBLE FOR ELECTRICAL WORK, AND SEE ELECTICAL DWGS.

E. APPLY CONTINOUS JOINT SEALANT TO ALL JOINTS BETWEEN FRAMES AND WALLS, TYP ALL.

F. PAINT ALL HM DOORS AND FRAMES.

G. PROVIDE LINTELS AT ALL DOOR AND WINDOW OPENINGS IN ACCORDANCE WITH LINTEL SCHEDULE ON STRUCTURAL DWGS.

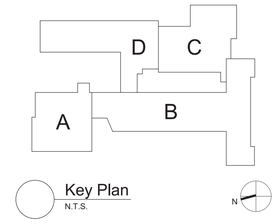
H. PROVIDE MARBLE THRESHOLDS AT ALL TOILET ROOMS WHERE ADJACENT FINISH IS CERAMIC TILE.

J. NOTE THAT DUE TO REQUIREMENTS IN THE BCNYS, SOME FIRE RESISTANCE RATINGS MAY DIFFER BETWEEN DOORS (AND ITS GLASS, IF ANY) AND THAT DOOR'S FRAME ESPECIALLY IF THAT FRAME HAS GLASS (SIDELITES; TRANSOMS; ETC).

K. 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).

L. MATERIAL DESIGNATION KEY:
FRP FIBERGLASS REINFORCED PLASTIC
HM HOLLOW METAL
WD WOOD
AL ALUMINUM
STL STEEL
EXG EXISTING

M. ADDITIONAL DOOR SCHEDULE DESIGNATIONS:
* EXISTING TO REMAIN
- NOT APPLICABLE
NOT APPLICABLE OR TO BE COORDINATED WITH STOREFRONT TYPE.



S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BID SET

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

TETRA TECH
ARCHITECTS & ENGINEERS

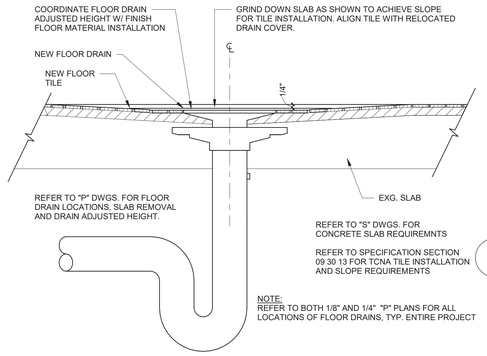
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

Door Schedule, Door and Window Types, and Details

Drawn By:	Date:	Drawing Number:
GCK/tlg	10/28/2022	BA600

Project No.: 279180-22004



15 Existing Drain Section
3" = 1'-0"

General Finish Notes

ALL FINISH PRODUCTS ARE TO BE INSTALLED IN ACCORDANCE WITH CONTRACT SPECIFICATION AND MANUFACTURES INSTRUCTIONS. REFER TO SPECIFICATIONS AND FINISH DETAILS FOR ADDITIONAL INFORMATION ON INSTALLATION OF SPECIFIED MATERIALS.

A. ALL PAINTS FOR INTERIOR AND EXTERIOR ARE TO BE APPLIED IN ACCORDANCE WITH SPECIFICATION SECTION 09 91 00 AND 09 96 00.

B. ALL EXPOSED STRUCTURES, INCLUDING BUT NOT LIMITED TO PIPING AND FIREPROOFING, CONDUIT, AND ALL ASSOCIATED EQUIPMENT ARE TO BE PAINTED.

C. APPLY PAINT TO BOTH NEW AND EXISTING ITEMS IN ALL AREAS INDICATED WITH A FINISH BOX AND/OR NOTES - THESE ITEMS ARE INCLUDING BUT ARE NOT LIMITED TO:
- FEC 'S, LADDERS, BEAMS, DOOR/FRAMES - BOTH SIDES
GLAZING FRAMES IN DOOR/WALLS- BOTH SIDES, ALL ITEMS ARE TO BE ACCENT COLORS.

D. PATTERNS FOR FLOORS AND WALLS ARE ISSUED DURING THE CONSTRUCTION PHASE. DRAWINGS INCLUDING ALL ACCENT LOCATIONS. SUBMIT SHOP DRAWINGS SHOWING DETAILED LAYOUTS OF EACH AREA, INCLUDING EDGES AND TRANSITIONS, ALL LAYOUTS ARE TO BE CENTERED IN EACH ROOM UNO - TYP ALL DRAWINGS. ABOVE REQUIRMENTS ARE TO INCLUDE BUT NOT LIMITED TO:

- CERAMIC TILE, BOTH WALL AND FLOOR.
- TERRAZZO AND BASE
- CARPET
- VCT
-LVT
- RUBBER

E. FIELD AND ACCENT PAINT ARE ISSUED DURING THE CONSTRUCTION PHASE -CONTRACTOR IS TO ASSUME ALL FIELD AND ACCENT COLORS ARE DIFFERENT ROOM TO ROOM. AS WELL AS WITHIN EACH ROOM, REQUIREMENTS ARE TO INCLUDE BUT ARE NOT LIMITED TO:

- WALL, FIELD COLOR
- WALL, ACCENT COLOR
- SOFFITS, ACCENT COLOR
- DOOR AND WINDOW FRAMES, ACCENT COLOR
- EXPOSED COLUMNS, ACCENT COLOR
- EXPOSED DECKS, ACCENT COLOR
- EXPOSED JOISTS, ACCENT COLOR
- EXPOSED DUCTWORK, ACCENT COLOR

F. PROVIDE PAINT AT ALL NEW SOFFITS, REFER TO REFLECTIVE CEILING PLANS FOR ADDITIONAL LOCATIONS.

G. ALL EXPOSED BRICK, GROUND FACE BLOCK IS TO REMAIN UNPAINTED, UNO.

H. CONFIRM WITH OWNER AND ARCHITECT PRIOR TO PAINTING OVER MURALS ON EXISTING SURFACES.

I. CERAMIC WALL TILE IS TO RUN FLOOR TO 6" ABOVE CEILING UNO.

J. PROVIDE PAINT AND RUBBER BASE AT ALL NEW CHASES, REFER TO NEW WORK PLANS FOR ADDITIONAL LOCATIONS.

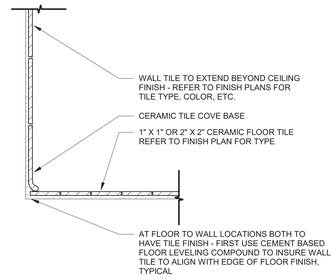
K. REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS OF SLAB DEPRESSIONS. REFER TO FINISH MATERIAL SPECIFICATION SECTIONS FOR SLAB DEPRESSION DEPTH REQUIREMENTS.

L. FOR ALL RENOVATED AREAS REQUIRING FINISH WORK REMOVE, PROTECT AND REINSTALL MOVABLE EQUIPMENT INCLUDING BUT NOT LIMITED TO: BOARD UNITS, LOCKERS GYM EQUIPMENT, SHADES/BLINDS, BOOKCASES ETC. REINSTALL IN ORIGINAL LOCATION, OR AS NOTED ON DRAWINGS, COORDINATE WITH OWNER. REFER TO SPEC SECTION O1 23 00 ALTERATION PROJECT PROCEDURES FOR MORE INFORMATION.

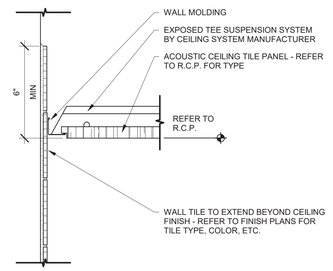
M. FIELD VERIFY ALL CONTROL JOINTS LOCATIONS IN CONCRETE SLAB. LOCATE CONTROL JOINTS IN EXGINEW FLOOR FINISH MATERIAL DIRECTLY ABOVE SLAB JOINTS OR AS RECOMMENDED BY FLOORING MATERIAL MANUFACTURER.
- AT NEW SLABS REFER TO STRUCTURAL DRAWINGS FOR SLAB CONTROL JOINT LOCATIONS.
- AT EXISTING SLABS, FIELD VERIFY LOCATIONS OF EXISTING SLAB CONTROL JOINTS.
- REFER TO FINISH DRAWINGS AND SPECIFICATIONS FOR NEW FLOOR MATERIALS.
COORDINATE FLOOR PATTERNS WITH CONTROL JOINT PRIOR TO SUBMISSION OF REQUIRED FLOOR PATTERN DRAWINGS.

N. INSTALLER IS TO FIELD VERIFY ALL EXG AND NEW FLOOR DRAIN LOCATIONS IN ALL EXG AND NEW SLABS AS PART OF THIS PROJECT.
* REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR DEMO AREAS AND REQUIREMENTS.
* REFER TO PLUMBING DRAWINGS FOR EXG AND NEW FLOOR DRAIN LOCATIONS.
* REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS OF SLAB DEPRESSIONS.
* REFER TO FINISH DRAWINGS FOR LOCATIONS OF NEW FLOOR FINSH MATERIALS AND FLOORING SLOPE.
* REFER TO FINISH MATERIAL SPECIFICATION SECTIONS FOR SLAB DEPRESSION DEPTH REQUIREMENTS.

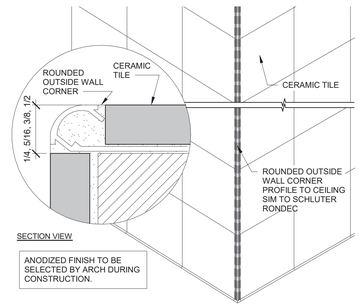
O. PROVIDE ALL FINISHES AS INDICATED BY ROOM FINISH BOX AND/OR AS NOTED ON DRAWINGS.



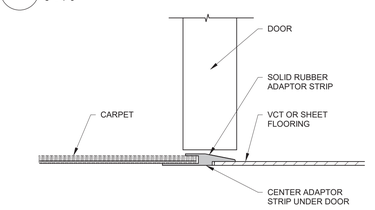
10 Ceramic Tile Base at Ceramic Floor With Wall Tile
3" = 1'-0"



11 Ceramic Wall Tile at Acoustic Ceiling
3" = 1'-0"

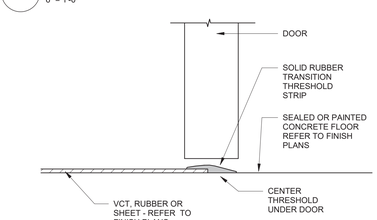


12 Outside Corner/ Rounded Profile
3" = 1'-0"



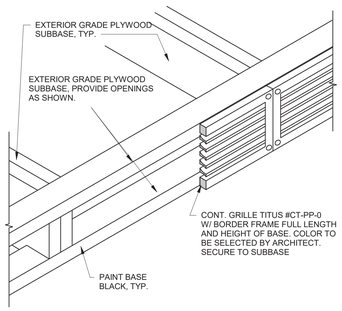
NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION AND TYPES
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL.
THRESHOLD TO MEET ALL ADA CRITERIA
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA

14 Threshold Detail
6" = 1'-0"

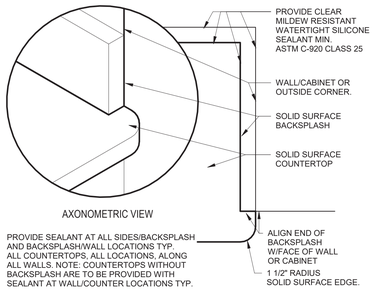


NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION TYPES.
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL .
THRESHOLD TO MEET ALL ADA CRITERIA
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA.

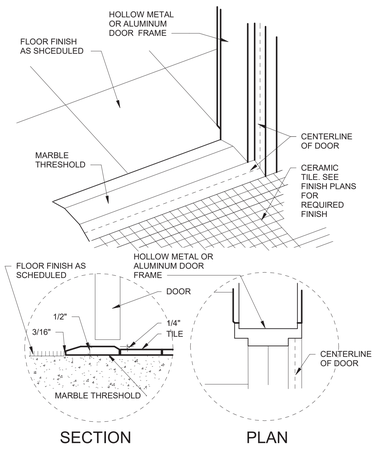
13 Threshold Detail
6" = 1'-0"



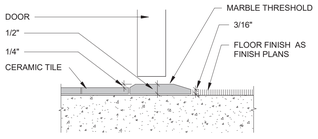
6 Base/ Grille Detail
3" = 1'-0"



7 Solid Surface Countertop Edge Detail
3" = 1'-0"

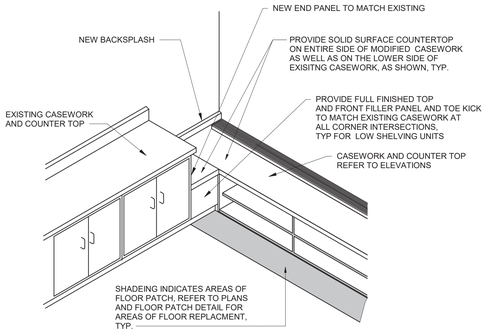


8 ADA Marble Threshold Detail
1 1/2" = 1'-0"

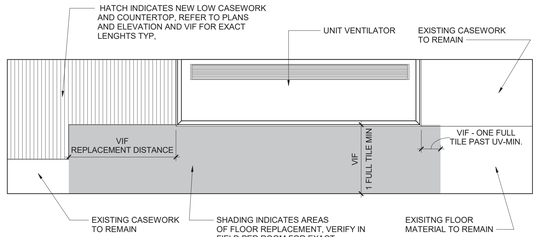


NOTE:
REFER TO SPECIFICATION FOR THRESHOLD TYPES.
REFER TO FINISH PLAN FOR LOCATIONS, TYPICAL
THRESHOLD TO MEET ADA CRITERIA AND REQUIREMENTS.
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA

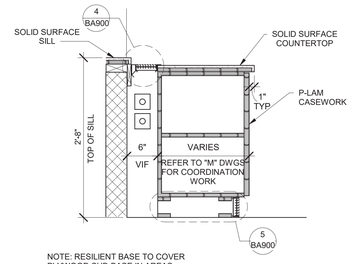
9 ADA Marble Threshold Detail
12" = 1'-0"



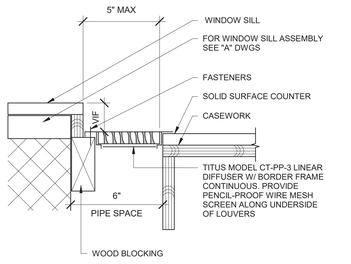
1 TYP. Corner FIller @ UV Casework Detail
3/4" = 1'-0"



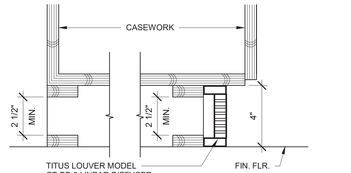
2 TYP. Floor Patch at UV Replacement Detail
3" = 1'-0"



3 Casework/ Fin Tube Sections
1" = 1'-0"



4 Grille Detail
3" = 1'-0"



5 Base Detail
3" = 1'-0"

General P-Lam Casework Notes

FOR ALL CONTRACTOR RESPONSIBILITIES REFER TO SPECIFICATION SECTION 01 10 00/01 12 00.

A. THE CASEWORK SHOWN ON THE DRAWINGS IS BASED ON CASE SYSTEMS DESIGN CORPORATION.

B. ALL STANDARD CASEWORK DIMENSIONS ARE TO BE MODIFIED TO CORRESPOND WITH THE DIMENSIONS NOTED ON THE DRAWINGS. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CABINETS.

C. MODEL NUMBERS LISTED ON DRAWINGS APPLY TO ELEVATIONS SHOWN. PROVIDE OPPOSITE HAND MODELS WHERE NECESSARY.

D. PROVIDE FULL DEPTH SHELVES AT BASE, WALL AND TALL CABINETS TYP UNLESS NOTED OTHERWISE.

E. BASE AND TALL CABINETS ARE 24 INCHES DEEP, UNO WALL CABINETS ARE 14 INCHES DEEP. UNO BASE CABINET DEPTH DOES NOT INCLUDE 1" COUNTERTOP OVERHANG, TYP.

F. PROVIDE FINISHED ENDS, BACK EXTENSIONS, SCRIBES, AND FINISHED FILLER PANELS ON ALL CABINETS. FILLER PANELS ARE NOT TO EXCEED 3" WIDE, UNLESS NOTED OTHERWISE. PROVIDE OP AND BOTTOM FILLER PANELS AT ALL BASE, WALL @ TALL NITS. SUBMIT SHOP DRAWINGS SHOWING DETAILS OF THESE CONDITIONS.

G. ALL COUNTERTOPS TO BE 1-1/4" SOLID SURFACE WITH 4" HIGH BACKSPLASH, TYP.

J. PROVIDE AT ALL P-LAM UV SHELVING LOCATIONS-REMOVABLE BACKS IN CABINETS AT PLUMBING AND FIN TUBE VALVE LOCATIONS. VERIFY POSITIONS OF VALVES PRIOR TO SHOP FABRICATION OF ALL CABINETS.

H. PROVIDE SHOP DRAWINGS SHOWING LOCATIONS AND DETAILS FOR ALL GRILLES, LOUVERS, REMOVABLE PANELS, VALVE LOCATIONS ETC ASSOCIATED WITH CASEWORK. COORDINATE WITH ALL REQUIRED CONTRACTORS.

I. PROVIDE CABINETS WITH FINISHED SIDES, INCLUDING BUT NOT LIMITED TO, LOCATIONS OF ADJACENT CABINETS OR EQUIPMENT WITH A DEPTH LESS THAN CABINET OR EQUIPMENT.

J. PROVIDE REMOVABLE BACK PANELS AT ALL SINK BASE CABINETS.

K. COUNTERTOP EDGES AT OPEN ENDS AND AT ENDS MEETING TALL SHELVING UNITS WITH A DEPTH LESS THAN COUNTERTOP DEPTH TO BE AS SHOWN, REFER TO DETAIL.

L. PROVIDE CUTS AT ALL CONDITIONS THAT INTERFERE WITH COUNTERTOPS/CABINETS : SCRIBE TO FIT.

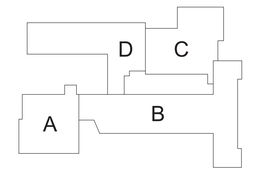
M. PROVIDE ALL CUTOUTS AS SHOWN ON CASEWORK PLANS AND ELEVATIONS OR AS REQUIRED. CUTOUTS ARE TO INCLUDE BUT NOT LIMITED TO: ALL ELEC BOXES, OUTLETS, AND ASSOCIATED WIRING AND FINAL HOOK-UP.

N. PROVIDE BLOCKING AT NEW AND EXISTING GYPSUM BOARD WALLS PER MANUFACTURER RECOMMENDATIONS FOR SUPPORT OF WALL /TALL MOUNTED UNITS.

O. PROVIDE LOCKS AT ALL NEW CASEWORK DOORS/DRAWERS AND FILE UNITS.

P. REFER TO BOTH 1/8" AND 1/4" PLANS FOR LAYOUTS.

Q. PROVIDE ALL STANDARD FEATURES OF CASEWORK UNITS AS INDICATED BY MODEL NUMBER OR AS SHOWN ON PLANS, DETAILS AND ELEVATIONS, INCLUDED BUT NOT LIMITED TO: OUTLETS, SWITCHES, LIGHTS ETC.



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT — WHERE EXCELLENCE IS THE STANDARD

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BID SET

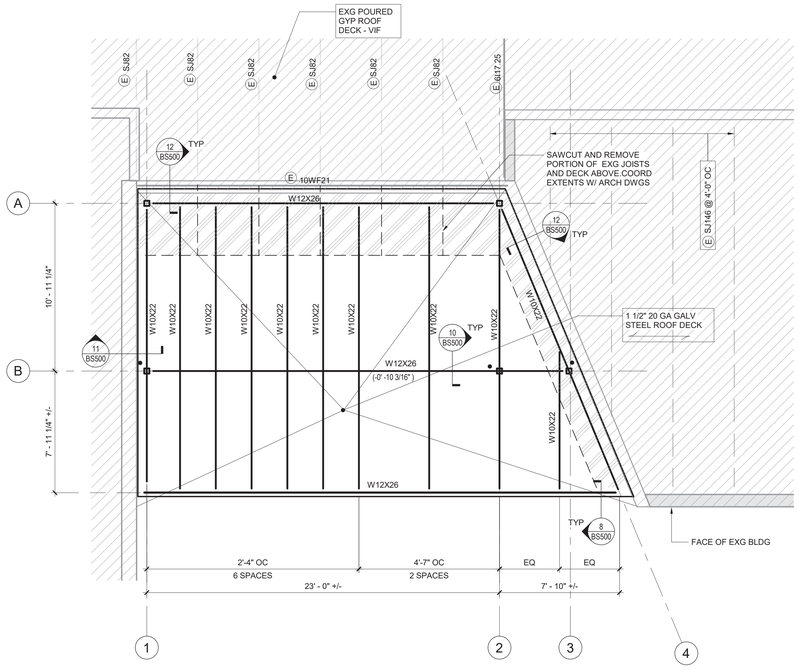
TETRA TECH ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

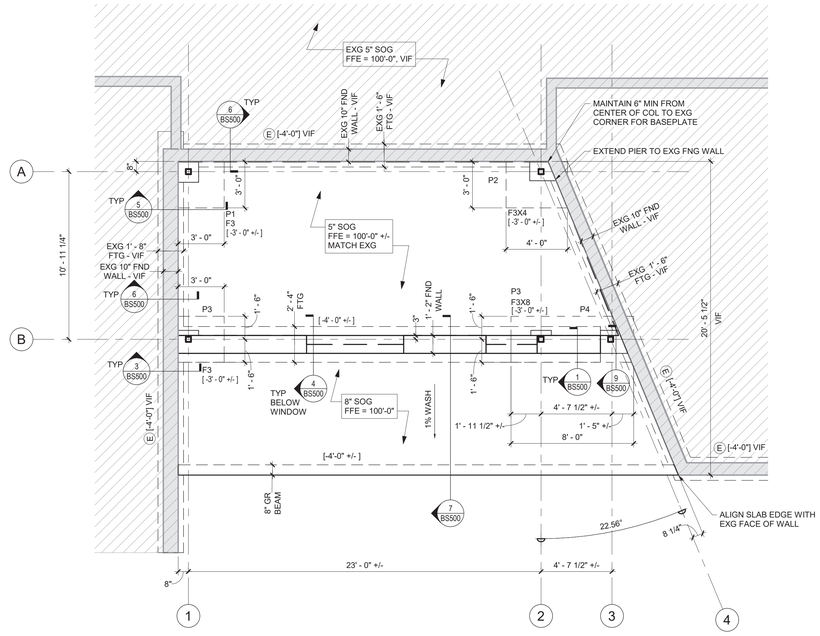
Additions and Alterations to:
Glenham Elementary School

Misc. Details

Drawn By:	Date:	Drawing Number:
MHH	10/28/2022	BA900
Project No.: 279180-22004		



2 Partial Roof Framing Plan - Area B
1/4" = 1'-0"
DATUM FOR EXG TOS IS AT 111'-4 1/2"



1 Partial Foundation Plan - Area B
1/4" = 1'-0"

General Notes:

A. DIMENSIONS AND ELEVATIONS SHOWN ON PLAN AS PLUS/MINUS (+/-) AND VIF ARE TO BE CONSIDERED APPROXIMATE. EXACT VALUES FOR ALL (+/-) AND VIF DIMENSIONS ARE TO BE DETERMINED BY THE CONTRACTOR IN THE FIELD THROUGH A PRELIMINARY BUILDING LAYOUT CONTRACTOR TO VERIFY EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS AND NOTIFY A/E OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK. COORDINATE INFORMATION WITH OTHER TRADES.

B. ALL UNDERGROUND UTILITIES WITHIN THE NEW BUILDING FOOTPRINT ARE TO BE REMOVED PRIOR TO BEGINNING FOUNDATION WORK IN THAT AREA (UNLESS NOTED OTHERWISE). REFER TO SITE DWGS FOR REMOVAL.

C. COORDINATE SIZE, LOCATION AND INVERT ELEVATION OF ALL PIPE SLEEVES PASSING THROUGH FOUNDATION WALLS AND BREAKS IN FOOTINGS WITH OTHER TRADES AND CONTRACT DOCUMENTS.

D. BOTTOM OF NEW FOOTING ELEVATIONS ARE TO MATCH THE BOTTOM OF ADJACENT EXISTING FOOTING ELEVATIONS UNLESS NOTED OTHERWISE.

E. TOP OF EXTERIOR FOOTING ELEVATION IS [-3'-0] FROM DATUM ELEVATION 100'-0", UNLESS INDICATED AS [-XX'-XX] ON PLAN.

F. TOP OF INTERIOR FOOTING ELEVATION IS [-8] FROM DATUM ELEVATION 100'-0", UNLESS INDICATED AS [-XX'-XX] ON PLAN.

G. ALL CONTINUOUS FOOTINGS ARE 2'-0" WIDE UNLESS OTHERWISE NOTED.

H. REFER TO SHEET BS600 FOR GENERAL NOTES, PIER, FOOTING AND COLUMN SCHEDULES.

I. TOP OF FOUNDATION WALL ELEVATION IS EQUAL TO DATUM ELEVATION 100'-0" UNO.

J. TOP OF PIER ELEVATION IS (-8) FROM DATUM ELEVATION 100'-0", UNLESS INDICATED AS (-XX'-XX) ON PLAN.

K. REFER TO SHEETS BS500 FOR TYPICAL FOUNDATION WALL AND SLAB DETAILS.

L. FINISHED FLOOR DATUM ELEVATION OF 100'-0", AS SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS, CORRESPONDS TO ELEVATION 232.64', AS SHOWN ON SITE AND SURVEY DRAWINGS.

M. ALL SLABS ON GRADE ARE TO BE 5" THICK, 3500 PSI FIBER REINFORCED CONCRETE UNLESS NOTED OTHERWISE ON PLANS.

N. REFER TO SHEET BS600 FOR GENERAL NOTES, LINTEL SHEDULE AND SPECIFIC LINTEL DETAILS

O. REFER TO SHEET BS500 FOR TYPICAL DETAILS.

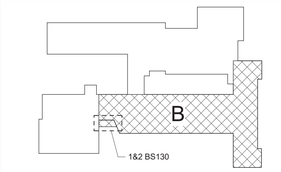
P. REFER TO SHEET BS600 FOR BEAM CONNECTION SCHEDULE.

Q. PROVIDE ALL ROOF AND FLOOR OPENING FRAMES PER DIV 05 SPEC. COORDINATE QUANTITIES, LOCATION, AND SIZE OF OPENINGS WITH OTHERS AND MECH, PLBG, AND ARCH DWGS.

R. CONTINUOUS FASCIA ANGLES ARE REQUIRED AT ALL FLAT ROOF EDGES.

S. ROOF DECK TO BE GALVANIZED 1 1/2" WIDE RIBBED 20 GAUGE CORRUGATED STEEL UNLESS NOTED OTHERWISE.

T. ALL BEAM/JOIST ARE SPACED EQUALLY BETWEEN COLUMN LINE UNO.



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

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BID SET

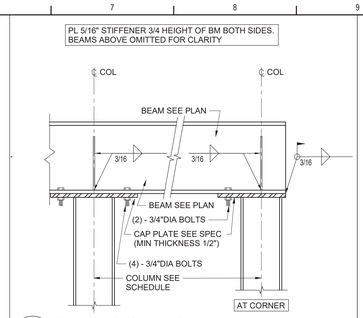
TETRA TECH
ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

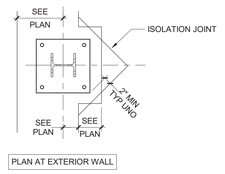
Additions and Alterations to:
Glenham Elementary School

Partial Foundation and Framing Plan - Area B

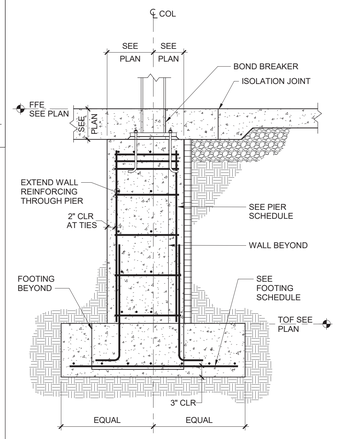
Drawn By:	Date:	Drawing Number:
DMB/kjr	10/28/2022	BS130
Project No.: 279180-22004		



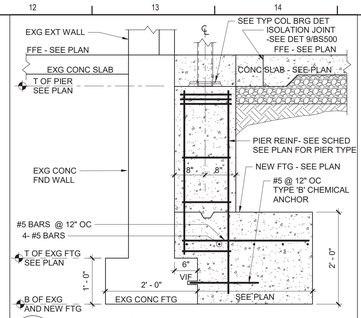
13 Typical Stiffener Detail
1" = 1'-0"



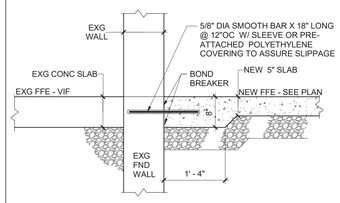
PLAN AT EXTERIOR WALL



9 Typical Pier in Wall
3/4" = 1'-0"

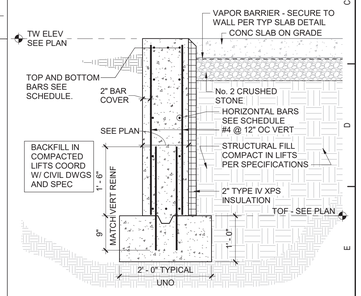


5 Typ New Pier and Footing at Exg Wall
3/4" = 1'-0"



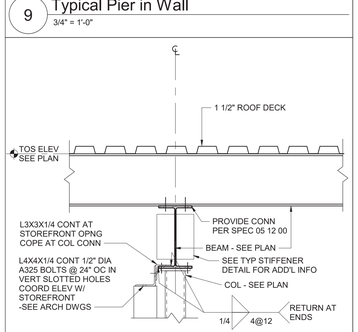
Section At Exg Wall
at Exg Wall To Remain

TYPICAL FOUNDATION WALL REINFORCING SCHEDULE		
WALL THICKNESS	HORIZONTAL BARS	TOP AND BOTTOM BARS
8"	#4 @ 12" OF	2-#6
10"	#4 @ 12" EF	3-#6
1'-0"	#4 @ 12" EF	3-#6
1'-2"	#4 @ 12" EF	3-#6
1'-4"	#4 @ 12" EF	3-#6
1'-6"	#4 @ 11" EF	3-#6
1'-8"	#5 @ 15" EF	3-#6
1'-10"	#5 @ 14" EF	3-#6
2'-0"	#5 @ 13" EF	3-#6
2'-2"	#5 @ 12" EF	3-#6
2'-4"	#5 @ 11" EF	3-#6

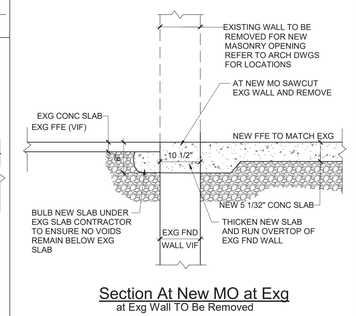


REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCING REQUIRED AT FOOTING STEPS, CORNERS AND INTERSECTIONS.

1 Typ Foundation Wall and Footing
3/4" = 1'-0"

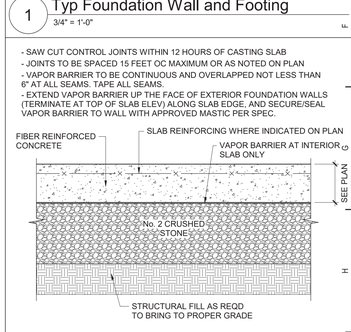


10 Dropped Beam Section
1" = 1'-0"



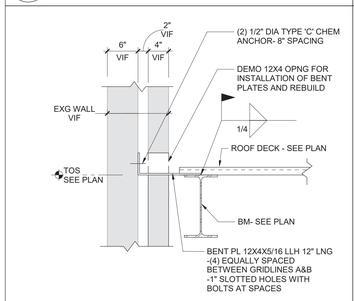
Section At New MO at Exg
at Exg Wall TO Be Removed

6 Typ New Slab at Existing Edge
3/4" = 1'-0"

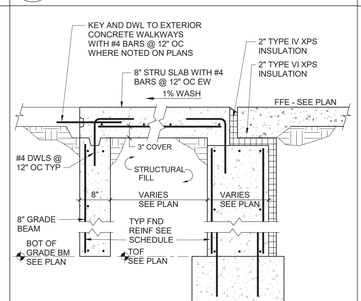


2 Typical Slab on Grade
1 1/2" = 1'-0"

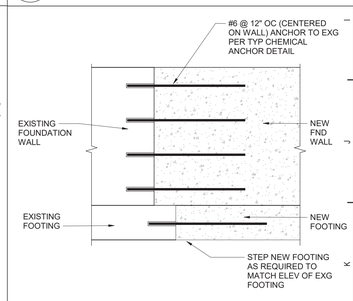
- SAW CUT CONTROL JOINTS WITHIN 12 HOURS OF CASTING SLAB
- JOINTS TO BE SPACED 15 FEET OC MAXIMUM OR AS NOTED ON PLAN
- VAPOR BARRIER TO BE CONTINUOUS AND OVERLAPPED NOT LESS THAN 6" AT ALL SEAMS. TAPE ALL SEAMS.
- EXTEND VAPOR BARRIER UP THE FACE OF EXTERIOR FOUNDATION WALLS (TERMINATE AT TOP OF SLAB ELEV) ALONG SLAB EDGE, AND SECURE/SEAL VAPOR BARRIER TO WALL WITH APPROVED MASTIC PER SPEC.



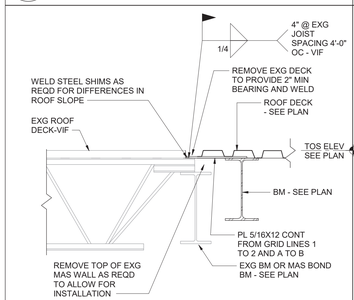
11 Typ Attachment to Exg High Wall
1" = 1'-0"



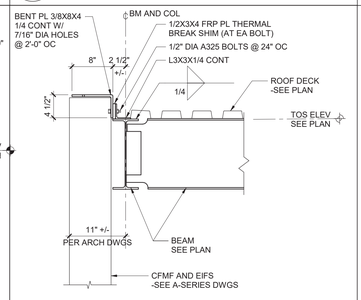
7 Typical Entrance Slab Detail
3/4" = 1'-0"



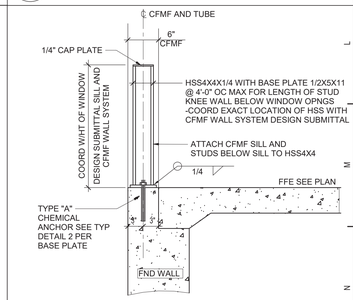
3 Typ New Foundation Wall at Exg
3/4" = 1'-0"



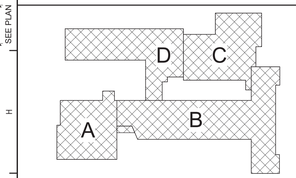
12 Attachment to Exg Roof Framing
1" = 1'-0"



8 Typ Fascia Angle Support at Beam
1" = 1'-0"



4 Typ Knee Wall Post Detail w/HSS
1" = 1'-0"



Key Plan
N.T.S.

N

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT
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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

Typical Details

Drawn By:	Date:	Drawing Number:
DMB/kjr	10/28/2022	BS500

Project No.:
279180-22004

Column Schedule Area B

TOS FRONT CANOPY			TOS FRONT CANOPY
111' - 3"	HSS4X4X1/2 AESS AT A-2	HSS4X4X1/2	111' - 3"
FFE 1st Floor			FFE 1st Floor
100' - 0"			100' - 0"
Column Locations	A-1, A-2	B-1, B-2, B-4	
BPL SIZE	12"X12"X1"	12"X12"X1"	
BPL TYPE	A	A	
AB TYPE	1	1	

COMPONENTS & CLADDING WIND PRESSURE (PSF)

MEAN ROOF HEIGHT, "h" (FT)	EFFECTIVE WIND AREA (SQ FT)	ROOF												WALLS			
		ZONE 1"		ZONE 1		ZONE 1/1'	ZONE 2			ZONE 3				ZONE 4		ZONE 5	
		MIDDLE INTERIOR		INTERIOR		OVERHANG	EDGE		OVERHANG	CORNER		OVERHANG		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".

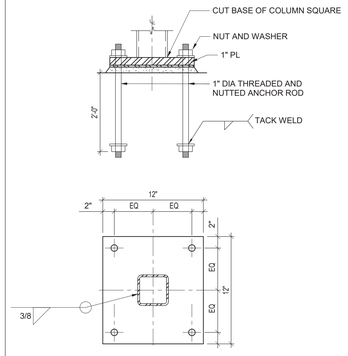
2. REFER TO ASCE 7-16 FOR DEFINITION OF TERMS. FOR THE DIMENSIONS OF EACH ZONE, REFERENCE FIGURE 30.4-1 IN ASCE 7-16 AND USE "h" FROM ABOVE TABLE TO DETERMINE 0.6h AND 0.2h.

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.



TYPE A1

4 Typical Col Bearing and Base Plate
1 1/2" = 1'-0"

UNLESS NOTED OTHERWISE, BEAM TO COLUMN AND BEAM TO GIRDER CONNECTIONS SHALL BE SIMPLE SHEAR CONNECTIONS UTILIZING FULLY PRETENSIONED HIGH-STRENGTH BOLTS IN BEARING-TYPE CONNECTIONS WITH THREADS INCLUDED IN THE SHEAR PLANE. DESIGN CHANNEL AND TUBE MEMBERS FOR THE SAME LOAD AS THE SAME DEPTH IN W SHAPE. THE CAPACITIES SHALL BE AS SHOWN BELOW, UNLESS OTHERWISE NOTED ON PLAN.

MINIMUM SHEAR CAPACITY SCHEDULE
(FACTORED LOADS USING LRFD)

W8	10KIPS	W24	80KIPS
W10	15KIPS	W27	100KIPS
W12	20KIPS	W30	120KIPS
W14	30KIPS	W33	140KIPS
W16	40KIPS	W36	180KIPS
W18	50KIPS	W40	220KIPS
W21	60KIPS	W44	260KIPS

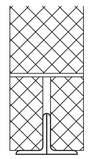
5 Beam Connection Schedule
12" = 1'-0"

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- L2 1/2X2 1/2X5/16
6'-0"	2- L3X2 1/2X5/16 LLV
7'-0"	2- L3 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"	L5X3 1/2X5/16 LLV
8'-0"	L5X3 1/2X5/16 LLV
9'-0"	L6X3 1/2X5/16 LLV
10'-0"	L6X3 1/2X5/16 LLV

LINTEL NOTES

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

6 Lintel Schedule
12" = 1'-0"

Structural Loads:

A. FLOOR LIVE LOADS PER BCNYS 1607

OCCUPANCY OR USE	UNIFORM	CONCENTRATED
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. ROOF LIVE LOADS PER BCNYS 1607.13
MINIMUM ROOF LIVE LOAD 20 PSF

C. RAIN LOADS PER BCNYS 1611
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.

D. SNOW LOADS PER BCNYS 1608

GROUND SNOW, P_g (FIGURE 1608.2)	30 PSF
FLAT ROOF SNOW LOAD, P_f (ASCE 7)	23.1 PSF
SNOW EXPOSURE FACTOR, C_e	1.0
THERMAL FACTOR, C_t	1.0
SLOPE FACTOR, C	1.0
SNOW LOAD IMPORTANCE FACTOR, I_S	1.1
DRIFT SURCHARGE, P_d	76 PSF
DRIFT WIDTH, w	16.83 FT

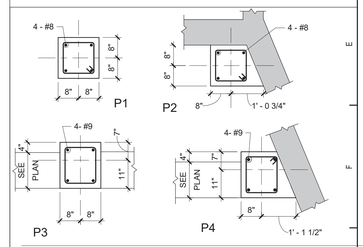
ADDITIONAL SNOW LOADS HAVE BEEN APPLIED TO AREAS WHERE DRIFTING OCCURS IN ACCORDANCE WITH BCNYS 1608.

E. WIND LOAD DESIGN CRITERIA PER BCNYS 1609

BASIC DESIGN WIND SPEED (3 SECOND GUST), V	121 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, V_{asd}	93.7MPH
RISK CATEGORY	I I I
EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT, GCP;	+/- 0.18

F. SEISMIC DESIGN CRITERIA PER BCNYS 1613

RISK CATEGORY	I I I
SEISMIC IMPORTANCE FACTOR, I_e	1.25
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, S_S	23.3 %g
AT 1 SECOND PERIODS, S_1	5.7 %g
SITE CLASS	D (DEFAULT)
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, S_{DS}	24.8 %g
AT 1 SECOND PERIODS, S_{D1}	9.1 %g
SEISMIC DESIGN CATEGORY	B



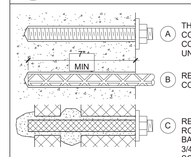
1. PIER SIZE LISTED ABOVE INDICATES AREA OF CONCRETE TO BE REINFORCED.
2. REFER TO TYPICAL PIER DETAIL 9/BS500- TYP UNO
3. AT PIERS WHICH OCCUR IN WALLS, RUN WALL REINFORCING THROUGH PIER.
4. PIER AND REINF TO BE CENTERED ON COLUMN INTERSECTION UNO.
5. PROVIDE 3-#3 HORZ TIES WITHIN TOP 0'-5", AND #3 TIES AT 12" OC FOR REMAINDER, UNO.

1 Pier Schedule
1/2" = 1'-0"

FTG MARK	FOOTING SIZE	THICK-NESS	MAT BARS EACH WAY		
			QUANTITY OF BARS	BAR SIZE	SPACING c/c (in)
F3	3'-0" X 3'-0"	12"	4	#4	10.0
F3X4	3'-0" X 4'-0"	12"	6	#4	8.4
F3X8	3'-0" X 8'-0"	12"	11	#4	8.4
F3.5A	3'-6" X 3'-6"	16"	5	#4	9.0
F4	4'-0" X 4'-0"	12"	6	#4	8.4
F4A	4'-0" X 4'-0"	16"	6	#4	8.4
F4.5	4'-6" X 4'-6"	12"	6	#4	9.6
F4.5A	4'-6" X 4'-6"	16"	6	#4	9.6
F5	5'-0" X 5'-0"	12"	7	#4	9.0
F5A	5'-0" X 5'-0"	16"	7	#4	9.0
F5.5	5'-6" X 5'-6"	13"	6	#5	12.0
F5.5A	5'-6" X 5'-6"	16"	6	#5	12.0
F6	6'-0" X 6'-0"	14"	7	#5	11.0
F6A	6'-0" X 6'-0"	16"	7	#5	11.0
F6.5	6'-6" X 6'-6"	16"	6	#6	14.4
F7	7'-0" X 7'-0"	17"	6	#6	15.6
F7.5	7'-6" X 7'-6"	18"	7	#6	14.0
F8	8'-0" X 8'-0"	19"	6	#7	18.0
F8.5	8'-6" X 8'-6"	20"	7	#7	16.0
F9	9'-0" X 9'-0"	21"	10	#6	11.3
F9.5	9'-6" X 9'-6"	22"	9	#7	13.5
F10	10'-0" X 10'-0"	24"	9	#7	14.3

REFER TO TYPICAL SPREAD FOOTING DETAIL FOR BAR CONFIGURATION.
3000 PSF BEARING PRESSURE

2 Typ Spread Footing Reinforcement
12" = 1'-0"



A. THREADED ROD IN SOLID CONCRETE OR SOLIDLY GROUTED CONCRETE BLOCK 3/4" DIA ROD UNO

B. REINFORCING BAR IN SOLID CONCRETE #6 BAR UNO

C. REINFORCING BAR OR THREADED ROD IN HOLLOW MASONRY #6 BAR OR 3/4" DIA ROD - UNO. WITH 3/4" NOMINAL STAINLESS STEEL SCREEN TUBE

BAR/ROD SIZE	EMBEDMENT DEPTH
#4 OR 1/2"	5"
#5 OR 5/8"	6"
#6 OR 3/4"	7"
#7 OR 7/8"	8"
#8 OR 1"	9"

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

3 Typical Chemical Anchors
3" = 1'-0"

Foundation Notes:

A. MATERIAL

1. DESIGN BEARING PRESSURE IS ASSUMED TO BE 3,000 PSF. IF OWNERS GEOTECHNICAL ENGINEER DETERMINES THAT INSUFFICIENT BEARING IS ENCOUNTERED AT ELEVATION SHOWN ON PLANS, NOTIFY ARCHITECT BEFORE PROCEEDING.

2. DO NOT PLACE FILL UNTIL SUBMITTAL FOR FILL MATERIAL IS APPROVED BY ARCHITECT.

3. INTERIOR BACKFILL IS TO CONSIST OF STRUCTURAL FILL TO BE WITHIN 6" OF BOTTOM SLAB. THE NEXT 6" LAYER ABOVE THIS WILL BE No. 2 CRUSHED STONE UNLESS NOTED OTHERWISE. PROVIDE A VAPOR BARRIER BETWEEN THE No. 2 CRUSHED STONE AND THE SLAB FOR ALL INTERIOR SLABS UNLESS NOTED OTHERWISE. BACKFILL WILL BE PLACED IN MAXIMUM 8" LOOSE LAYERS (MAXIMUM 4" LOOSE LAYERS FOR HAND OPERATED COMPACTION EQUIPMENT) AND COMPACTED TO A DRY DENSITY EQUAL TO 95 PERCENT OF THE MATERIAL DRY DENSITY AS DEFINED BY THE MODIFIED PROCTOR COMPACTION TEST (ASTM D1557). STRUCTURAL FILL AND STONE ARE TO BE IMPORTED FROM OFF SITE. REFER TO PROJECT MANUAL FOR OTHER FILL MATERIAL TYPES.

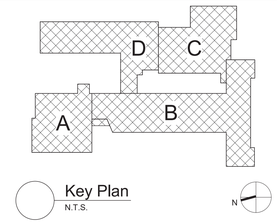
B. INSTALLATION

1. AFTER TOPSOIL IS STRIPPED, ALL AREAS WITHIN THE BUILDING FOOTPRINT ARE TO BE PROOF ROLLED WITH A SELF-PROPELLED, SMOOTH DRUM, VIBRATORY COMPACTOR WITH A MINIMUM STATIC WEIGHT OF TEN TONS. PROOF ROLLING WILL BE PERFORMED BY COMPLETING A MINIMUM OF SIX PASSES WITH THE ROLLER OPERATING IN ITS VIBRATORY MODE OVER ALL SUBGRADE AREA. SOFT OR LOOSE SOILS IDENTIFIED DURING THIS ROLLING SHOULD BE EXCAVATED AND REPLACED WITH STRUCTURAL FILL AS DIRECTED BY THE ARCHITECT. SUCH ADDITIONAL EXCAVATION AND BACKFILL WILL BE MEASURED AS DIRECTED BY THE ARCHITECT AND PAID FOR BY THE OWNER AS A CHANGE IN THE WORK. PROOF ROLLING OPERATIONS ARE TO BE PREFORMED UNDER THE SUPERVISION OF THE OWNERS GEOTECHNICAL ENGINEER.

2. AFTER TRENCHING EXCAVATION, BACKFILL WITH ACCEPTABLE FILL (SEE SPEC) TO WITHIN 1'-0" OF FINISH GRADE / FLOOR. ALL TRENCHING WORK WITHIN THE BUILDING FOOTPRINT IS TO BE COORDINATED. THE CONTRACTOR RESPONSIBLE FOR THE SLAB ON GRADE, MUST ACCEPT IN WRITING THE QUALITY OF THE TRENCH BACKFILL AS PERFORMED BY OTHERS BEFORE BEGINNING HIS WORK OVER TOP OF THE TRENCH.

3. FOOTINGS ARE TO BEAR AT THE ELEVATIONS SHOWN ON THE PLANS. BEARING TO BE ON VIRGIN SOIL OR COMPACTED STRUCTURAL FILL.

4. THE ON SITE SOILS ARE SUSCEPTIBLE TO LOSS OF STRENGTH DUE TO WATER AND EXCESSIVE TRAFFIC BY WORKERS AND EQUIPMENT. EXCAVATION AND BACKFILL OPERATIONS ARE TO BE MAINTAINED IN A DRY CONDITION. SURFACE AND INFILTRATING WATER ARE TO BE REMOVED BY SITE GRADING AND PUMPING FROM SUMPS AS REQUIRED. THE REMOVAL AND REPLACEMENT OF SOILS RENDERED UNSTABLE DUE TO EXCESSIVE TRAFFIC OR LACK OF DEWATERING PROCEDURES ARE TO BE PAID FOR BY THE CONTRACTOR.



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT — WHERE EXCELLENCE IS THE STANDARD

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

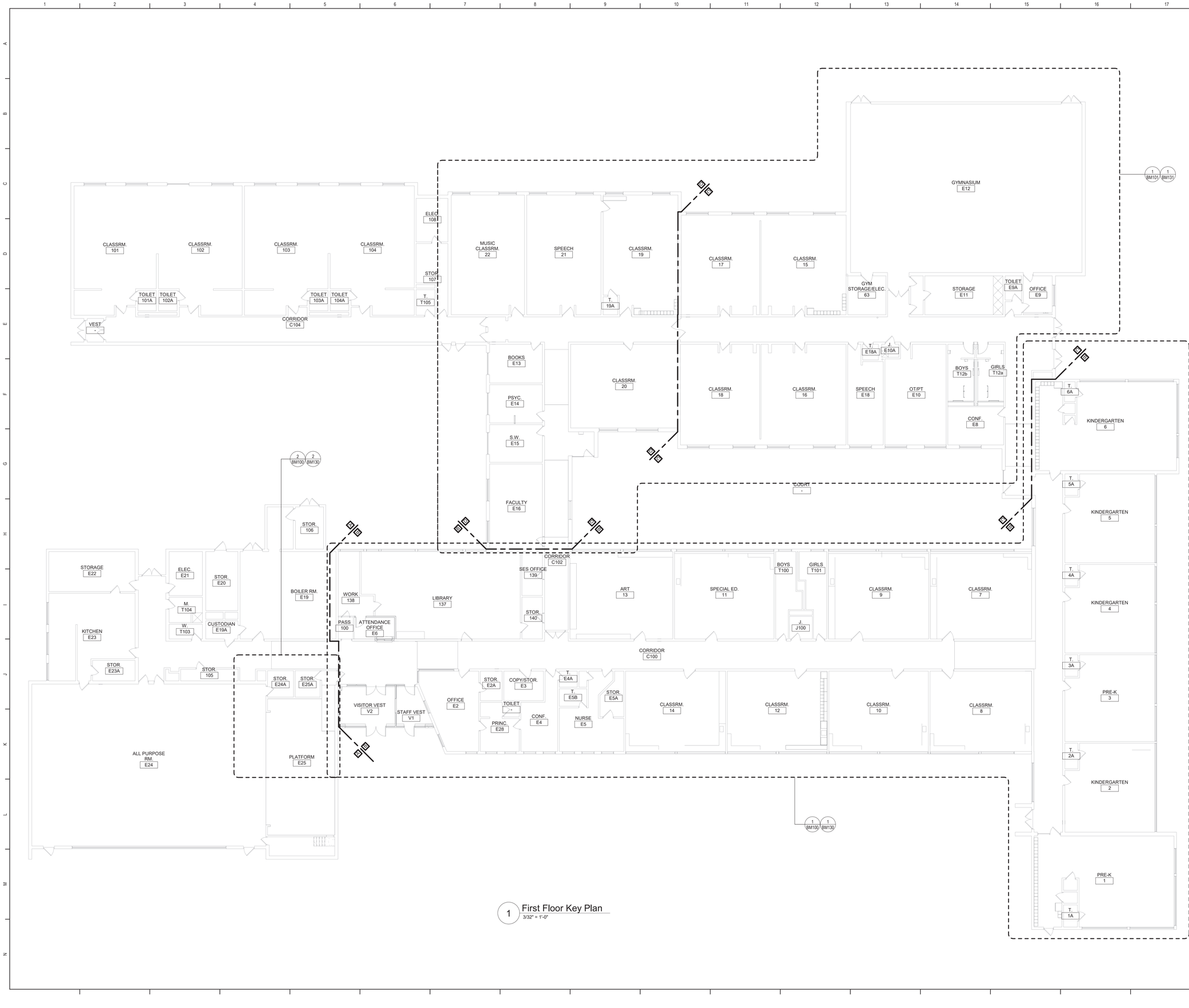
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

Notes and Schedules

Drawn By:	Date:	Drawing Number:
DJB/kjr	10/28/2022	BS600

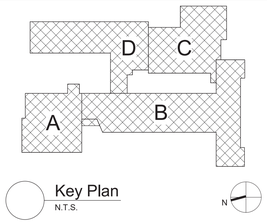
Project No.: 279180-22004



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

General Notes

A. THE FOLLOWING GENERAL NOTES APPLY TO ALL "BM" SERIES DRAWINGS.
B. REFER TO ALL CONTRACT DOCUMENTS; DRAWINGS AND SPECIFICATIONS, FOR DETAILED STANDARDS AND REQUIREMENTS.
C. REPORT UNSAFE OR UNSATISFACTORY CONDITIONS IN WRITING TO ARCHITECT AND RESOLVE ISSUES BEFORE PROCEEDING.
D. WORK INCLUDES ALL LABOR AND MATERIALS REQUIRED TO PROVIDE COMPLETE WORKING SYSTEMS.
E. COORDINATE PHASING REQUIREMENTS AT JOB MEETINGS AND ON WORK SCHEDULES.
F. 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.
G. 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.
H. 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.
I. 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.
J. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL CONFLICTS ARE ENCOUNTERED, INVESTIGATE AND REPORT BOTH NATURE AND EXTENT OF THE CONFLICT. RE-ROUTE WORK AS REQUIRED.
K. 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 BRACING, 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 DIRECTIVE, REARRANGE SCHEDULE AS NECESSARY TO CONTINUE OVERALL JOB PROGRESS WITHOUT DELAY.
L. 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.
M. 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.
N. 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.
O. PROVIDE TEMPORARY PIPING, DUCT, HEAT, WEATHERPROOFING, ETC., TO SERVICES TO REMAIN UNTIL PERMANENT INSTALLATIONS CAN BE MADE.
P. ALL EXCESS MATERIALS AND SCRAPS ARE CONTRACTOR'S PROPERTY. PROMPTLY REMOVE FROM SITE UNLESS SPECIFICALLY DIRECTED OTHERWISE.
Q. 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.
R. 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.



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TETRA TECH ARCHITECTS & ENGINEERS

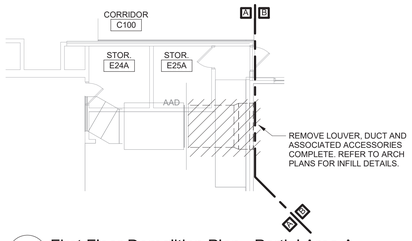
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

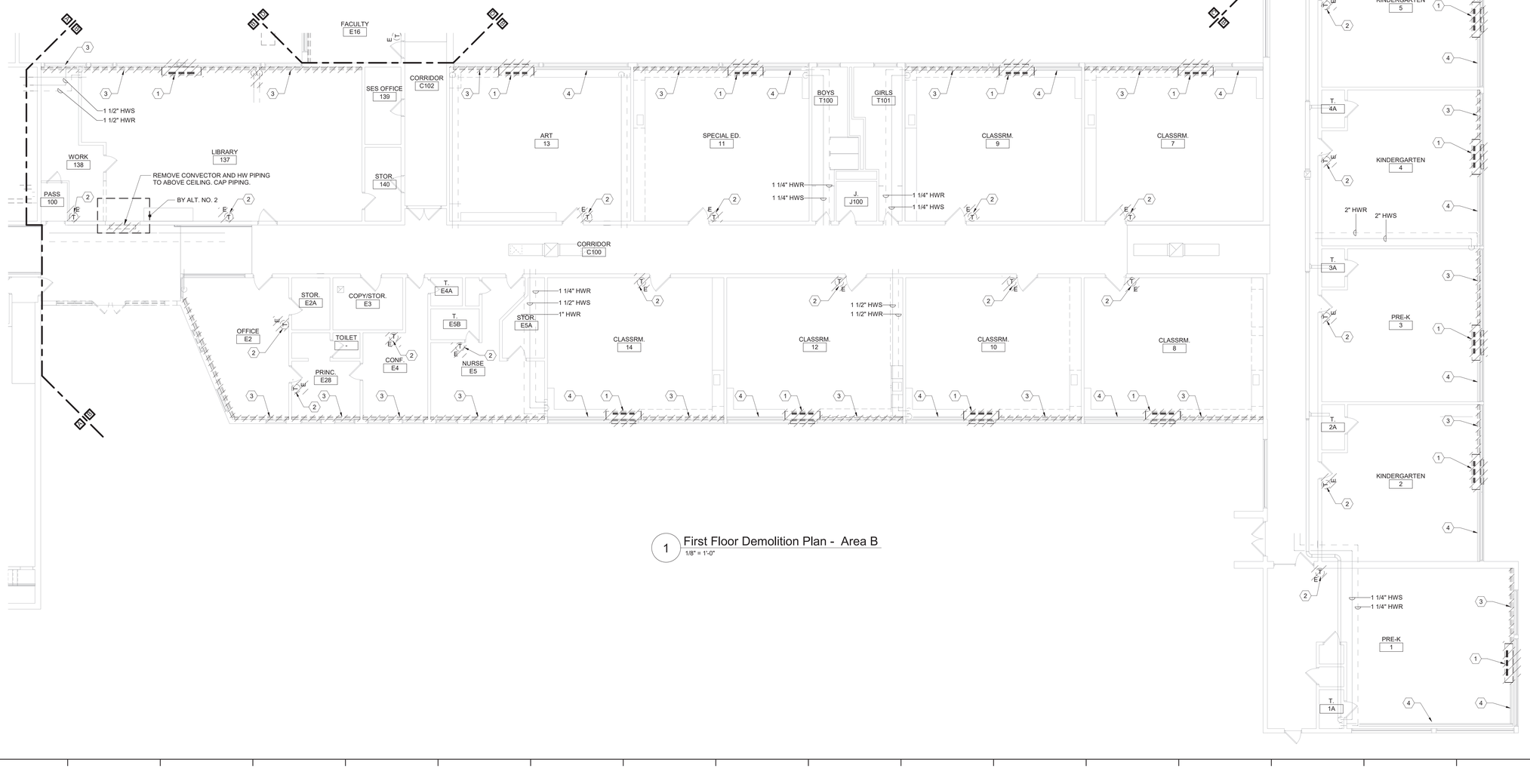
First Floor Key Plan

Drawn By:	Date:	Drawing Number:
JPF1/pgm	10/28/2022	BM051

Project No.: 279180-22004



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



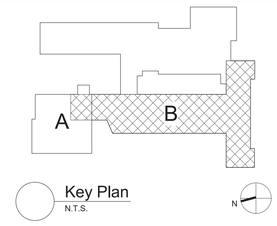
1 First Floor Demolition Plan - Area B
1/8" = 1'-0"

General Notes

A. REFER TO BM051 FOR GENERAL NOTES.

KEYED DEMOLITION NOTES:

1. REMOVE UNIT VENTILATOR, OUTDOOR AIR INTAKE SLEEVE AND ALL ASSOCIATED ACCESSORIES COMPLETE. REMOVE HWS/R PIPING AS REQUIRED FOR UV REMOVAL. REFER TO OTHER TRADES FOR LOUVER REMOVAL.
2. REMOVE THERMOSTAT AND ASSOCIATED ACCESSORIES.
3. REMOVE FINNED TUBE RADIATION AND ASSOCIATED ACCESSORIES COMPLETE. PREPARE FOR RECONNECTION.
4. FINNED TUBE RADIATION AND ASSOCIATED ACCESSORIES TO REMAIN.



Key Plan
N.T.S.

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Beacon City School District
Beacon, New York

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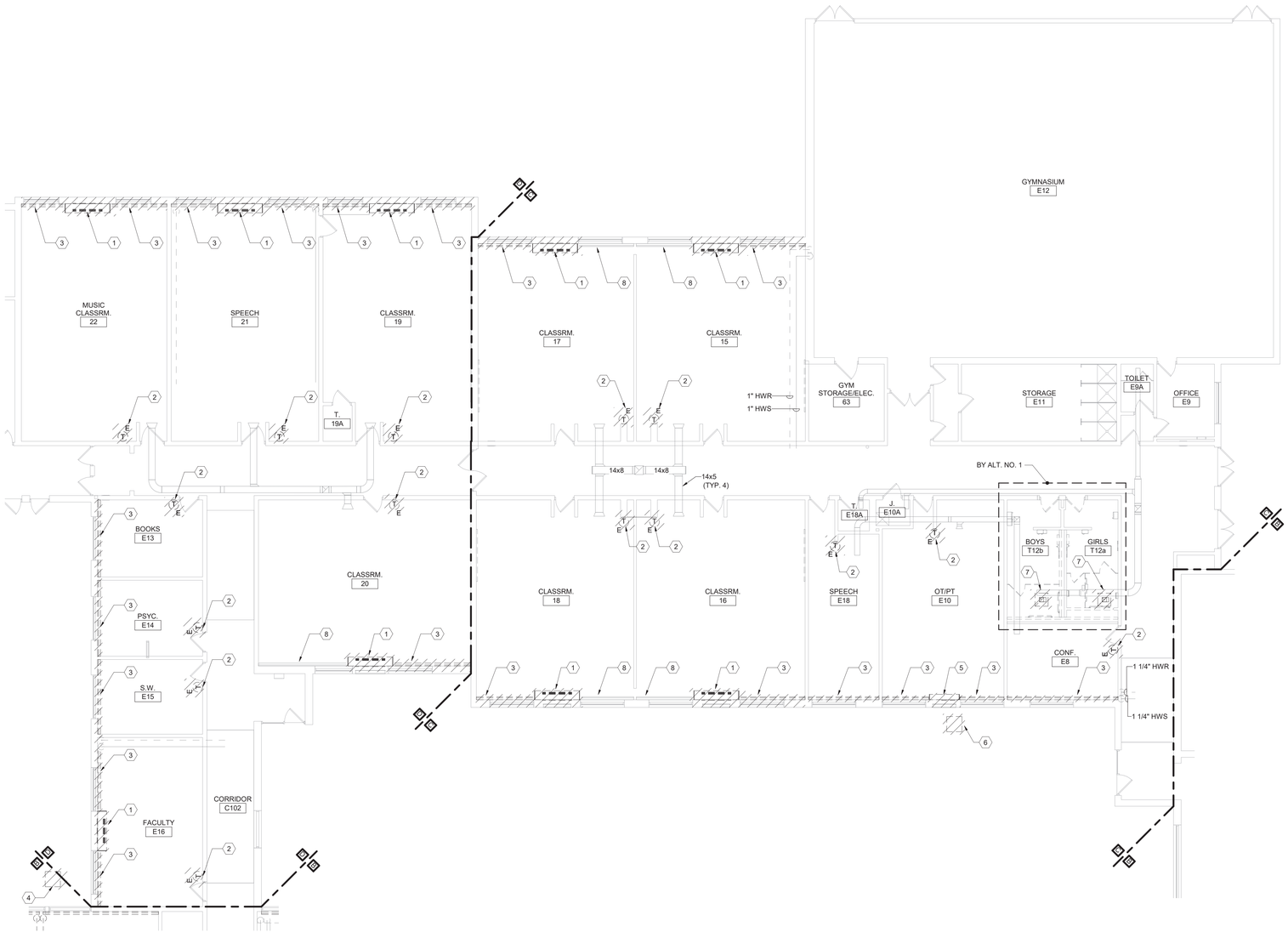
Glenham Elementary School

First Floor Demolition Plans - Partial Area A and Area B

Drawn By:	Date:	Drawing Number:
JPF1/pgm	10/28/2022	BM100

Project No.: 279180-22004



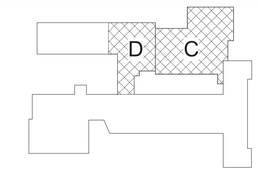
1 First Floor Demolition Plans - Area C and Parital Area D
1/8" = 1'-0"

General Notes

A. REFER TO BM051 FOR GENERAL NOTES.

KEYED DEMOLITION NOTES:

1. REMOVE UNIT VENTILATOR, LOUVER, OUTDOOR AIR INTAKE SLEEVE AND ALL ASSOCIATED ACCESSORIES COMPLETE. REMOVE HWS/R PIPING AS REQUIRED FOR UV REMOVAL.
2. REMOVE THERMOSTAT AND ASSOCIATED ACCESSORIES.
3. REMOVE FINNED TUBE RADIATION AND ASSOCIATED ACCESSORIES COMPLETE. PREPARE FOR RECONNECTION.
4. REMOVE CONDENSING UNIT, REFRIGERANT PIPING AND CONCRETE PAD.
5. REMOVE PACKAGED HEAT PUMP, 6" DIAMETER DUCTS TO COMPRESSOR AND LOUVER COMPLETE.
6. REMOVE ABANDONED CONDENSING UNIT AND CONCRETE PAD.
7. REMOVE EXHAUST GRILLE AND ASSOCIATED ACCESSORIES COMPLETE. PREPARE FOR RECONNECTION.
8. FINNED TUBE RADIATION AND ASSOCIATED ACCESSORIES TO REMAIN.



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

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ARCHITECTS & ENGINEERS

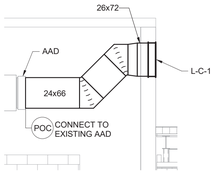
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

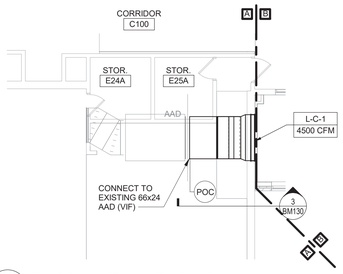
First Floor Demolition Plans - Area C and Partial Area D

Drawn By:	Date:	Drawing Number:
JPF1/pgm	10/28/2022	BM101

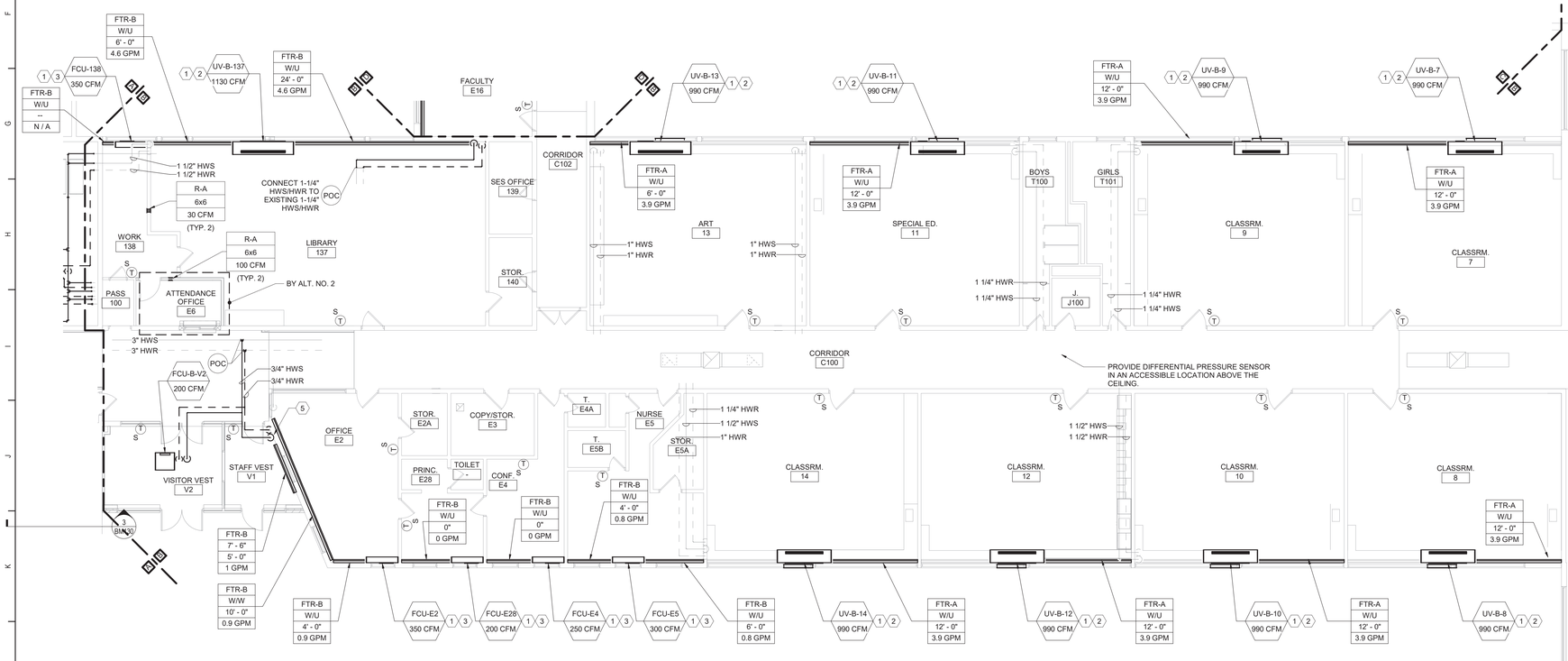
Project No.: 279180-22004



3 Stage Section View
1/4" = 1'-0"



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



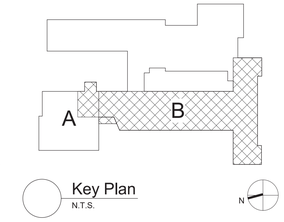
1 First Floor Plan - Area B
1/8" = 1'-0"

General Notes

A. REFER TO BM051 FOR GENERAL NOTES.

KEYED NOTES:

1. EXTEND HWS/R PIPING AS REQUIRED TO MAKE CONNECTION AND PIPE PER DETAIL.
2. PROVIDE LOUVER SIZED TO MATCH EXISTING OPENING. PROVIDE OA INTAKE SLEEVE AND SECURE TO LOUVER PER DETAIL. REFER TO ARCHITECTURAL DRAWINGS FOR LOUVER INSTALLATION.
3. PROVIDE LOUVER AND OA INTAKE SLEEVE AND SECURE PER DETAIL. REFER TO ARCHITECTURAL DRAWINGS FOR WALL OPENING AND LOUVER INSTALLATION.
4. EXTEND 1" HWS PIPING AS REQUIRED AND CONNECT INTO EXISTING 1" EXPANSION TANK PIPING.
5. PROVIDE SHEET METAL PIPE ENCLOSURE.



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT — WHERE EXCELLENCE IS THE STANDARD

complex world | CLEAR SOLUTIONS

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

BID SET

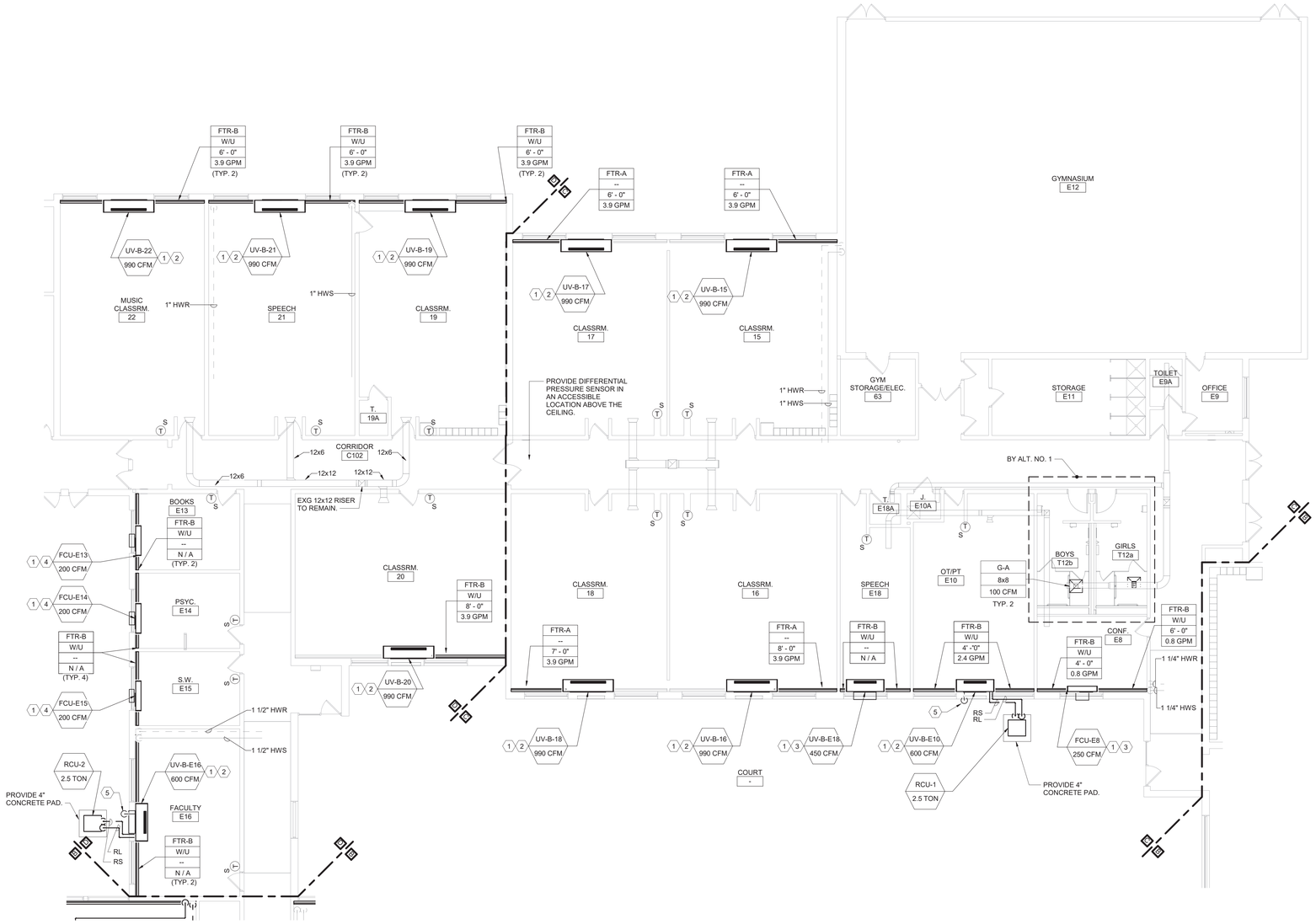
TETRA TECH
ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Plans - Partial Area A and Area B

Drawn By:	Date:	Drawing Number:
JPF1/pgm	10/28/2022	BM130
Project No.:		
279180-22004		



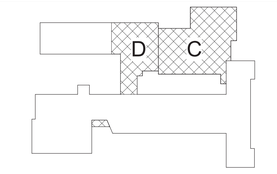
1 First Floor Plan - Area C and Parital Area D
1/8" = 1'-0"

General Notes

A. REFER TO BM051 FOR GENERAL NOTES.

KEYED NOTES:

1. EXTEND HWS/R PIPING AS REQUIRED TO MAKE CONNECTION AND PIPE PER DETAIL.
2. PROVIDE LOUVER SIZED TO MATCH EXISTING OPENING. PROVIDE OA INTAKE SLEEVE AND SECURE TO LOUVER PER DETAIL. REFER TO ARCHITECTURAL DRAWINGS FOR LOUVER INSTALLATION.
3. PROVIDE LOUVER AND OA INTAKE SLEEVE AND SECURE PER DETAIL. REFER TO ARCHITECTURAL DRAWINGS FOR WALL OPENING AND LOUVER INSTALLATION.
4. PROVIDE LOUVER AND OA INTAKE SLEEVE. FIELD FABRICATE POWDER COATED SHEETMETAL PLENUM AND SECURE TO LOUVER.
5. PROVIDE 1" CONDENSATE DRAIN. REFER TO BM500.



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT — WHERE EXCELLENCE IS THE STANDARD

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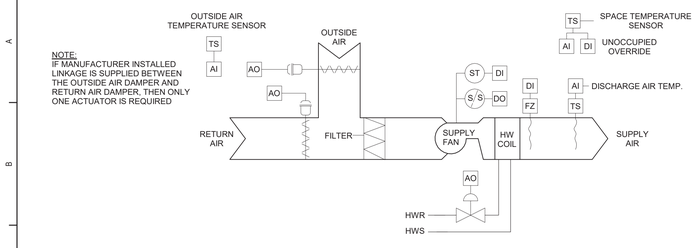
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Plan - Area C and Partial Area D

Drawn By:	Date:	Drawing Number:
JPF1/pgm	10/28/2022	BM131

Project No.:
279180-22004

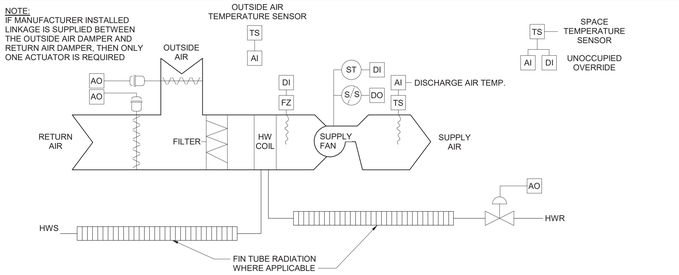


NOTE:
IF MANUFACTURER INSTALLED LINKAGE IS SUPPLIED BETWEEN THE OUTSIDE AIR DAMPER AND RETURN AIR DAMPER, THEN ONLY ONE ACTUATOR IS REQUIRED

FAN COIL UNIT - HOT WATER - VALVE CONTROL - SEQUENCE OF OPERATIONS:

1. OCCUPIED MODE:
   a. SUPPLY FAN AND ASSOCIATED EXHAUST FAN SHALL RUN CONTINUOUSLY.
   b. THE OUTSIDE AIR DAMPER SHALL OPEN TO THE POSITION REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY AS INDICATED. OUTSIDE AIR DAMPER SHALL NEVER BE POSITIONED BELOW THIS MINIMUM POSITION EXCEPT IN CASE OF ALARM.
   c. WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE HEATING SETPOINT, THE 2-WAY CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE HEATING SETPOINT SUBJECT TO DISCHARGE HIGH LIMIT OF 110 DEG. F (ADJUSTABLE) AND DISCHARGE LOW LIMIT OF 70 DEG. F (ADJUSTABLE).
   d. WHEN THE SPACE TEMPERATURE RISES 3 DEG. F (ADJUSTABLE) ABOVE THE SPACE HEATING SETPOINT, AND THE OUTSIDE AIR TEMPERATURE IS LOWER THAN THE SPACE TEMPERATURE, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN AND THE ASSOCIATED RELIEF HOOD DAMPER SHALL OPEN TO MAINTAIN THE OCCUPIED SETPOINT. THIS SHALL BE DONE SUBJECT TO DISCHARGE LOW LIMIT OF 55 DEG. F (ADJUSTABLE), AND WITH THE HEATING VALVE FULLY CLOSED.
2. UNOCCUPIED MODE:
   a. THE SUPPLY FAN AND ASSOCIATED EXHAUST FAN SHALL BE OFF.
   b. THE OUTSIDE AIR DAMPER AND THE ASSOCIATED RELIEF HOOD DAMPER SHALL BE FULLY CLOSED.
   c. WHERE SPACE HAS FINNED TUBE RADIATION, RADIATION SHALL PROVIDE FIRST STAGE UNOCCUPIED HEATING.
   d. ON DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED SETPOINT, CYCLE THE FAN AND COIL CONTROL VALVE FULL OPEN AS REQUIRED TO MAINTAIN REDUCED SPACE TEMPERATURE. USE 5 DEG. F (ADJUSTABLE) DEADBAND TO MINIMIZE SHORT CYCLING.
   e. A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
3. WARM-UP MODE:
   a. THE UNIT SHALL START PER AN OPTIMUM START PROGRAM.
   b. THE OUTSIDE AIR DAMPER AND THE ASSOCIATED RELIEF HOOD DAMPER SHALL BE FULLY CLOSED AND THE ASSOCIATED EXHAUST FAN SHALL BE OFF.
   c. THE SUPPLY FAN SHALL RUN AND THE CONTROL VALVE SHALL MODULATE TO MAINTAIN OCCUPIED SETPOINT.
4. PURGE VENTILATION MODE:
   a. PROVIDE GLOBAL INITIATION OF PURGE VENTILATION MODE AT THE OPERATOR'S WORKSTATION SUCH THAT ONE INITIATION STARTS OR STOPS PURGE VENTILATION MODE FOR ALL EQUIPMENT SO PROGRAMMED. PROVIDE FOR GLOBAL ADJUSTMENT OF THE BELOW DESCRIBED SCHEDULING AND PERCENTAGE VENTILATION CHANGES, AND ALSO FOR LOCAL ADJUSTMENT AWAY FROM GLOBAL SETPOINTS. IF GLOBAL SETPOINTS ARE SUBSEQUENTLY RE-ADJUSTED, PROVIDE WARNING WITH A LIST OF UNITS WITH LOCAL OVERRIDES, BUT DO NOT RE-ADJUST LOCAL OVER-RIDE SETPOINTS GLOBALLY.
   b. PROVIDE A PURGE VENTILATION MODE WITH INCREASED VENTILATION AS POSSIBLE WITHIN THE LIMITS OF THE EQUIPMENT. OPERATE WITH ALL THREE MODES DESCRIBED ABOVE WITH THE FOLLOWING MODIFICATIONS TO THE OCCUPIED PERIOD.
   c. START OCCUPIED VENTILATION MODE 1 HOUR (ADJ) EARLIER AND END IT 4 HOURS (ADJ) LATER.
   d. INCREASE VENTILATION AS POSSIBLE BY 100% (ADJ) WHERE 0% INCREASE IS THE MINIMUM VENTILATION DESCRIBED ABOVE AND 100% IS 100% OUTSIDE AIR WITH NO RETURN AIR.
   e. MAINTAIN OCCUPIED SPACE TEMPERATURE AND INCREASED VENTILATION AS POSSIBLE WITHIN HEATING CAPACITY CONSTRAINTS OF LOCAL AND PLANT HEATING CAPACITY. IF SPACE TEMPERATURE DROPS MORE THAN 2 DEG. F (ADJ) BELOW SPACE HEATING SETPOINT WITH THE HEATING VALVE 100% OPEN, MODULATE VENTILATION RATE BACK TO MINIMUM SPECIFIED VENTILATION RATE DESCRIBED ABOVE WITH HEATING VALVE AT 100% OPEN.
5. SAFETIES:
   a. A SEPARATE LOW LIMIT FREEZE STAT WITH AUTOMATIC RESET SHALL BE INSTALLED WITH SENSING ELEMENT SERPENTINED ACROSS THE FACE OF THE COIL, WHENEVER COIL FREEZE-UP CONDITIONS ARISE (36 DEG. F ADJUSTABLE) THE SUPPLY FAN SHALL STOP, THE OUTSIDE AIR DAMPER SHALL CLOSE 100% AND THE CONTROL VALVE SHALL OPEN 100%. AN ALARM SHALL ALSO BE ACTIVATED.
   b. UPON FAILURE OF THE FAN, AS SENSED BY THE CURRENT SENSING STATUS SWITCH, ACTIVATE AN ALARM.

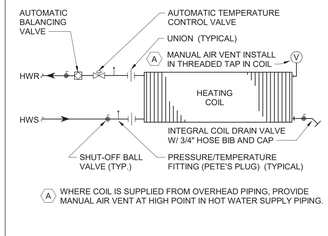
11 FCU - Hot Water - Valve Control - With Outside Air
NTS



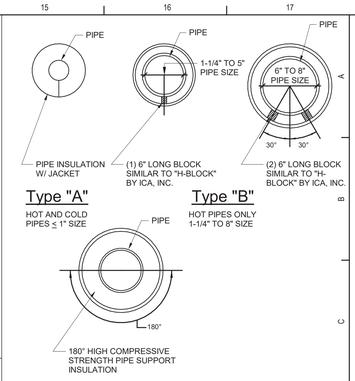
UNIT VENTILATOR - HOT WATER - VALVE CONTROL - SEQUENCE OF OPERATIONS:

1. OCCUPIED MODE:
   a. SUPPLY FAN AND ASSOCIATED EXHAUST FAN SHALL RUN CONTINUOUSLY.
   b. THE OUTSIDE AIR DAMPER SHALL OPEN TO THE POSITION REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY INDICATED. OUTSIDE AIR DAMPER SHALL NEVER BE POSITIONED BELOW THIS MINIMUM POSITION EXCEPT IN CASE OF ALARM.
   c. WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE HEATING SETPOINT, THE 2-WAY CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE HEATING SETPOINT SUBJECT TO DISCHARGE HIGH LIMIT OF 110 DEG. F (ADJUSTABLE) AND DISCHARGE LOW LIMIT OF 70 DEG. F (ADJUSTABLE).
   d. WHEN THE SPACE TEMPERATURE RISES 3 DEG. F (ADJUSTABLE) ABOVE THE SPACE HEATING SETPOINT, AND THE OUTSIDE AIR TEMPERATURE IS LOWER THAN THE SPACE TEMPERATURE, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN AND THE ASSOCIATED RELIEF HOOD DAMPER SHALL OPEN TO MAINTAIN THE OCCUPIED SETPOINT. THIS SHALL BE DONE SUBJECT TO DISCHARGE LOW LIMIT OF 55 DEG. F (ADJUSTABLE), AND WITH THE HEATING VALVE FULLY CLOSED.
2. UNOCCUPIED MODE:
   a. SUPPLY FAN AND ASSOCIATED EXHAUST FAN SHALL BE OFF.
   b. THE OUTSIDE AIR DAMPER AND ASSOCIATED RELIEF HOOD DAMPER SHALL BE FULLY CLOSED.
   c. WHERE SPACE HAS FINNED TUBE RADIATION, RADIATION SHALL PROVIDE FIRST STAGE UNOCCUPIED HEATING.
   d. ON DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED SETPOINT, CYCLE THE FAN ON AND COIL CONTROL VALVE FULL OPEN AS REQUIRED TO MAINTAIN REDUCED SPACE TEMPERATURE. USE 5 DEG. F (ADJUSTABLE) DEADBAND AS REQUIRED TO MINIMIZE SHORT CYCLING.
   e. A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
3. WARM-UP MODE:
   a. THE UNIT SHALL START PER AN OPTIMUM START PROGRAM.
   b. THE OUTSIDE AIR DAMPER AND ASSOCIATED RELIEF HOOD DAMPER SHALL BE FULLY CLOSED AND THE ASSOCIATED EXHAUST FAN SHALL BE OFF.
   c. THE SUPPLY FAN SHALL RUN AND THE CONTROL VALVE SHALL MODULATE TO MAINTAIN OCCUPIED SETPOINT.
4. PURGE VENTILATION MODE:
   a. PROVIDE GLOBAL INITIATION OF PURGE VENTILATION MODE AT THE OPERATOR'S WORKSTATION SUCH THAT ONE INITIATION STARTS OR STOPS PURGE VENTILATION MODE FOR ALL EQUIPMENT SO PROGRAMMED. PROVIDE FOR GLOBAL ADJUSTMENT OF THE BELOW DESCRIBED SCHEDULING AND PERCENTAGE VENTILATION CHANGES, AND ALSO FOR LOCAL ADJUSTMENT AWAY FROM GLOBAL SETPOINTS. IF GLOBAL SETPOINTS ARE SUBSEQUENTLY RE-ADJUSTED, PROVIDE WARNING WITH A LIST OF UNITS WITH LOCAL OVERRIDES, BUT DO NOT RE-ADJUST LOCAL OVER-RIDE SETPOINTS GLOBALLY.
   b. PROVIDE A PURGE VENTILATION MODE WITH INCREASED VENTILATION AS POSSIBLE WITHIN THE LIMITS OF THE EQUIPMENT. OPERATE WITH ALL THREE MODES DESCRIBED ABOVE WITH THE FOLLOWING MODIFICATIONS TO THE OCCUPIED PERIOD.
   c. START OCCUPIED VENTILATION MODE 1 HOUR (ADJ) EARLIER AND END IT 4 HOURS (ADJ) LATER.
   d. INCREASE VENTILATION AS POSSIBLE BY 100% (ADJ) WHERE 0% INCREASE IS THE MINIMUM VENTILATION DESCRIBED ABOVE AND 100% IS 100% OUTSIDE AIR WITH NO RETURN AIR.
   e. MAINTAIN OCCUPIED SPACE TEMPERATURE AND INCREASED VENTILATION AS POSSIBLE WITHIN HEATING CAPACITY CONSTRAINTS OF LOCAL AND PLANT HEATING CAPACITY. IF SPACE TEMPERATURE DROPS MORE THAN 2 DEG. F (ADJ) BELOW SPACE HEATING SETPOINT WITH THE HEATING VALVE 100% OPEN, MODULATE VENTILATION RATE BACK TO MINIMUM SPECIFIED VENTILATION RATE DESCRIBED ABOVE WITH HEATING VALVE AT 100% OPEN.
5. SAFETIES
   a. A SEPARATE LOW LIMIT FREEZE STAT WITH AUTOMATIC RESET SHALL BE INSTALLED WITH SENSING ELEMENT SERPENTINED ACROSS THE FACE OF THE COIL; WHENEVER COIL FREEZE-UP CONDITIONS ARISE (36 DEG. F ADJUSTABLE) THE SUPPLY FAN SHALL STOP, THE OUTSIDE AIR DAMPER SHALL CLOSE 100%, AND CONTROL VALVE SHALL OPEN 100%. AN ALARM SHALL ALSO BE ACTIVATED.
   b. UPON FAILURE OF THE FAN, AS SENSED BY THE CURRENT SENSING STATUS SWITCH, AN ALARM SHALL BE ACTIVATED.

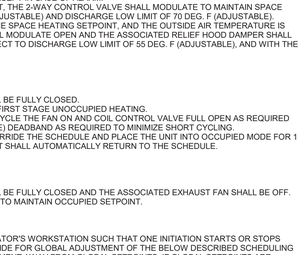
8 UV - Hot Water - Valve Control w/ FTR
NTS



4 FCU/UV Hot Water Piping Schematic
NTS

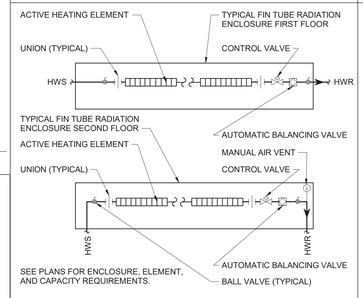


1 Insulation Shield and Blocking
NTS



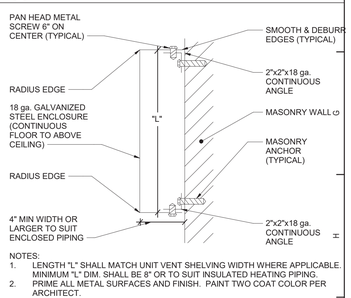
NOTES: 1. BRICK VENT INSTALLATION SIMILAR

5 Storm Louver Detail
NTS



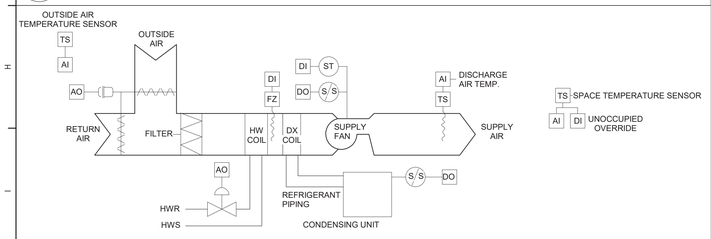
SEE PLANS FOR ENCLOSURE, ELEMENT, AND CAPACITY REQUIREMENTS.

6 Fin Tube Radiation Piping Schematic
NTS



NOTES:
1. LENGTH "L" SHALL MATCH UNIT VENT SHELVING WIDTH WHERE APPLICABLE. MINIMUM "L" DIM. SHALL BE 8" OR TO SUIT INSULATED HEATING PIPING.
2. PRIME ALL METAL SURFACES AND FINISH. PAINT TWO COAT COLOR PER ARCHITECT.

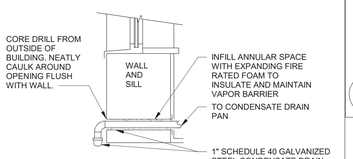
2 Vertical Piping Enclosure Detail
NTS



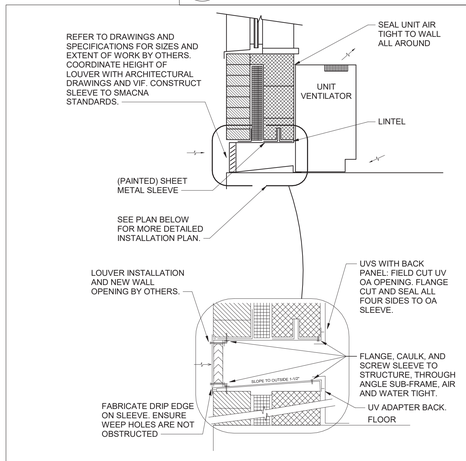
UNIT VENTILATOR - HOT WATER (VALVE CONTROL) AND DX COOLING - SEQUENCE OF OPERATIONS:

1. OCCUPIED MODE:
   a. SUPPLY FAN AND ASSOCIATED EXHAUST FAN SHALL RUN CONTINUOUSLY.
   b. THE OUTSIDE AIR DAMPER SHALL OPEN TO THE POSITION REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY INDICATED. OUTSIDE AIR DAMPER SHALL NEVER BE POSITIONED BELOW THIS MINIMUM POSITION EXCEPT IN CASE OF ALARM.
   c. WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE HEATING SETPOINT, THE 2-WAY CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE HEATING SETPOINT SUBJECT TO DISCHARGE HIGH LIMIT OF 110 DEG. F (ADJUSTABLE) AND DISCHARGE LOW LIMIT OF 70 DEG. F (ADJUSTABLE).
   d. WHEN THE SPACE TEMPERATURE RISES 3 DEG. F (ADJUSTABLE) ABOVE THE SPACE HEATING SETPOINT, AND THE OUTSIDE AIR TEMPERATURE IS LOWER THAN THE SPACE TEMPERATURE, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN AND THE ASSOCIATED RELIEF HOOD DAMPER SHALL OPEN TO MAINTAIN THE OCCUPIED SETPOINT. THIS SHALL BE DONE SUBJECT TO DISCHARGE LOW LIMIT OF 55 DEG. F (ADJUSTABLE), AND WITH THE HEATING VALVE FULLY CLOSED.
   e. WHEN THE SPACE TEMPERATURE IS 3 DEG. F (ADJUSTABLE) ABOVE THE COOLING SETPOINT, AND THE OUTSIDE AIR CANNOT COOL THE SPACE, THE RESPECTIVE CONDENSING UNIT SHALL BE CYCLED TO MAINTAIN SPACE TEMPERATURE WITH THE HEATING VALVE FULLY CLOSED. USE 5 DEG. F (ADJUSTABLE) DEADBAND BETWEEN HEATING AND COOLING SETPOINTS.
2. UNOCCUPIED MODE:
   a. SUPPLY FAN AND ASSOCIATED EXHAUST FAN SHALL BE OFF.
   b. THE OUTSIDE AIR DAMPER AND ASSOCIATED RELIEF HOOD DAMPER SHALL BE FULLY CLOSED.
   c. WHERE SPACE HAS FINNED TUBE RADIATION, RADIATION SHALL PROVIDE FIRST STAGE UNOCCUPIED HEATING.
   d. ON DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED SETPOINT, CYCLE THE FAN ON AND COIL CONTROL VALVE FULL OPEN AS REQUIRED TO MAINTAIN REDUCED SPACE TEMPERATURE. USE 5 DEG. F (ADJUSTABLE) DEADBAND AS REQUIRED TO MINIMIZE SHORT CYCLING.
   e. A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
3. WARM-UP MODE:
   a. THE UNIT SHALL START PER AN OPTIMUM START PROGRAM.
   b. THE OUTSIDE AIR DAMPER AND ASSOCIATED RELIEF HOOD DAMPER SHALL BE FULLY CLOSED, AND THE ASSOCIATED EXHAUST FAN SHALL BE OFF.
   c. THE SUPPLY FAN SHALL RUN AND THE CONTROL VALVE SHALL MODULATE TO MAINTAIN OCCUPIED SETPOINT.
4. PURGE VENTILATION MODE:
   a. PROVIDE GLOBAL INITIATION OF PURGE VENTILATION MODE AT THE OPERATOR'S WORKSTATION SUCH THAT ONE INITIATION STARTS OR STOPS PURGE VENTILATION MODE FOR ALL EQUIPMENT SO PROGRAMMED. PROVIDE FOR GLOBAL ADJUSTMENT OF THE BELOW DESCRIBED SCHEDULING AND PERCENTAGE VENTILATION CHANGES, AND ALSO FOR LOCAL ADJUSTMENT AWAY FROM GLOBAL SETPOINTS. IF GLOBAL SETPOINTS ARE SUBSEQUENTLY RE-ADJUSTED, PROVIDE WARNING WITH A LIST OF UNITS WITH LOCAL OVERRIDES, BUT DO NOT RE-ADJUST LOCAL OVER-RIDE SETPOINTS GLOBALLY.
   b. PROVIDE A PURGE VENTILATION MODE WITH INCREASED VENTILATION AS POSSIBLE WITHIN THE LIMITS OF THE EQUIPMENT. OPERATE WITH ALL THREE MODES DESCRIBED ABOVE WITH THE FOLLOWING MODIFICATIONS TO THE OCCUPIED PERIOD.
   c. START OCCUPIED VENTILATION MODE 1 HOUR (ADJ) EARLIER AND END IT 4 HOURS (ADJ) LATER.
   d. INCREASE VENTILATION AS POSSIBLE BY 100% (ADJ) WHERE 0% INCREASE IS THE MINIMUM VENTILATION DESCRIBED ABOVE AND 100% IS 100% OUTSIDE AIR WITH NO RETURN AIR.
   e. MAINTAIN OCCUPIED SPACE TEMPERATURE AND INCREASED VENTILATION AS POSSIBLE WITHIN HEATING CAPACITY CONSTRAINTS OF LOCAL AND PLANT HEATING CAPACITY. IF SPACE TEMPERATURE DROPS MORE THAN 2 DEG. F (ADJ) BELOW SPACE HEATING SETPOINT WITH THE HEATING VALVE 100% OPEN, MODULATE VENTILATION RATE BACK TO MINIMUM SPECIFIED VENTILATION RATE DESCRIBED ABOVE WITH HEATING VALVE AT 100% OPEN.
5. SAFETIES:
   a. A SEPARATE LOW LIMIT FREEZE STAT WITH AUTOMATIC RESET SHALL BE INSTALLED WITH SENSING ELEMENT SERPENTINED ACROSS THE FACE OF THE COIL; WHENEVER COIL FREEZE-UP CONDITIONS ARISE (36 DEG. F ADJUSTABLE) THE SUPPLY FAN SHALL STOP. THE OUTSIDE AIR DAMPER SHALL CLOSE 100%, AND CONTROL VALVE SHALL OPEN 100%. AN ALARM SHALL ALSO BE ACTIVATED.
   b. WHERE CONDENSATE PUMP IS PROVIDED, INTERLOCK WIRING SHALL DISABLE CONDENSING UNIT WHEN CONDENSATE PUMP HAS FAILED OR ITS OVERFLOW SWITCH IS TRIPPED.
   c. UPON FAILURE OF THE FAN, AS SENSED BY THE CURRENT SENSING STATUS SWITCH, ACTIVATE AN ALARM.

12 UV - Hot Water - Valve Control and DX Cooling
NTS

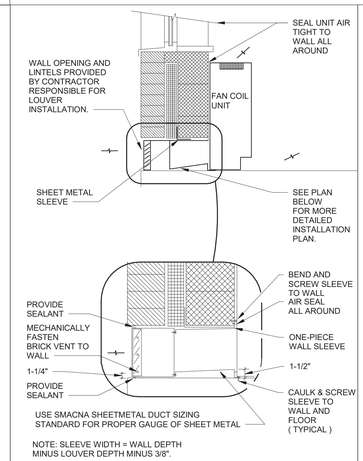


9 Exterior Wall Condensate Drain Detail
NTS



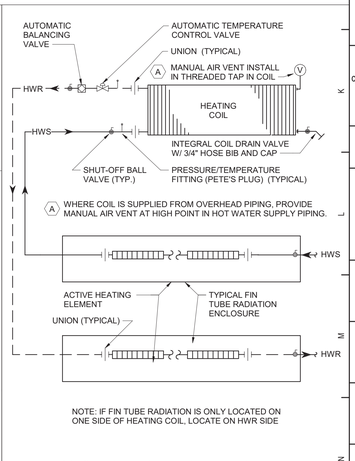
NOTE: COORDINATE INSTALLATION OF SLEEVE, LOUVER, AND UV WITH WALL.

10 Floor Mounted Unit Ventilator
NTS



NOTE: SLEEVE WIDTH = WALL DEPTH MINUS LOUVER DEPTH MINUS 3/8".

7 Floor Mounted Fan Coil Unit
NTS



NOTE: IF FIN TUBE RADIATION IS ONLY LOCATED ON ONE SIDE OF HEATING COIL, LOCATE ON HWR SIDE

3 FCU/UV Hot Water With FTR Piping Schematic
NTS

TEMPERATURE CONTROLS SYMBOLS LIST

AI	ANALOG IN
AO	ANALOG OUT
COM	COMMUNICATIONS PORT
CS	AIRBORNE CONTAMINANT SENSOR
DI	DIGITAL IN
	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
ΔP	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

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT — WHERE EXCELLENCE IS THE STANDARD

complex world | CLEAR SOLUTIONS

BID SET

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

TETRA TECH ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

Details and Controls

Drawn By:	Date:	Drawing Number:
JPF1/pgm	10/28/2022	BM500
Project No.: 279180-22004		

UNIT VENTILATOR (UV) SCHEDULE

DWG LABEL	LOCATION	MODEL NO.	SA CFM	MIN. OA	HEATING DATA				HW COIL		COOLING DATA							ESP (IN. WG.)	RPM	ELECTRICAL						NOTES
					NO. ROW	EAT (°F)	LAT (°F)	CAP. (MBH)	GPM	WPD (FT HD)	NO. ROWS	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	TC (MBH)	SC (MBH)			MOTOR QTY	MOTOR SIZE (HP)	V/PH	FLA	MCA	MOP	
UV-B-1	PRE-K 1	VUVE150	1130	510	2	40.9	110.0	91.4	4.6	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-2	KINDERGARTEN 2	VUVE125	990	330	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-3	PRE-K 3	VUVE125	990	330	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-4	KINDERGARTEN 4	VUVE125	990	330	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-5	KINDERGARTEN 5	VUVE125	990	340	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-6	KINDERGARTEN 6	VUVE150	1130	510	2	40.9	110.0	91.4	4.6	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-7	CLASSRM. 7	VUVE125	990	380	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-8	CLASSRM. 8	VUVE125	990	350	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-9	CLASSRM. 9	VUVE125	990	380	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-10	CLASSRM. 10	VUVE125	990	350	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-11	SPECIAL ED. 11	VUVE125	990	390	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-12	CLASSRM. 12	VUVE125	990	350	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-13	ART 13	VUVE150	990	400	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-14	CLASSRM. 14	VUVE125	990	350	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-15	CLASSRM. 15	VUVE125	990	360	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-16	CLASSRM. 16	VUVE125	990	370	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-17	CLASSRM. 17	VUVE125	990	350	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-18	CLASSRM. 18	VUVE125	990	360	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-11
UV-B-19	CLASSRM. 19	VUVE125	990	380	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-9,11
UV-B-20	CLASSRM. 20	VUVE125	990	390	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-9,11
UV-B-21	SPEECH 21	VUVE125	990	390	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-9,11
UV-B-22	MUSIC CLASSRM. 22	VUVE125	990	380	2	40.0	110.0	77.1	3.9	2.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-9,11
UV-B-137	LIBRARY 137	VUVE150	1130	520	2	40.9	110.0	91.4	4.6	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1120	2	0.25	120V/1ø	7.0	9.0	15	1,2,4,6-9,11
UV-B-E10	OT/PT E10	VUVE075	600	270	2	40.0	110.0	48.2	2.4	1.1	3	80.0	67.0	53.8	51.3	28.1	17.2	0.00	1110	1	0.25	120V/1ø	3.5	4.5	15	1-8, 10,11
UV-B-E16	FACULTY E16	VUVE075	600	160	2	51.2	110.0	43.7	2.2	1.0	3	80.0	67.0	53.8	51.3	28.1	17.2	0.00	1110	1	0.25	120V/1ø	3.5	4.5	15	1-8,11
UV-B-E18	SPEECH E18	VUVE075	450	140	2	43.5	110.0	39.8	2.0	0.9	0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	730	1	0.25	120V/1ø	3.5	4.5	15	1,2,4,6-11

NOTES:
1. DESIGN BASIS: TRANE
2. FLOOR MOUNTED UNIT
3. PROVIDE 1" MERV8 FILTERS.
4. HOT WATER COIL CONDITIONS: EWT=160°F, LWT=120°F
5. DX COIL CONDITIONS: SUCTION TEMP=45°F, LIQUID TEMP=110°F
6. VERIFY PIPE AND ELECTRICAL LEFT/RIGHT HAND CONNECTIONS PRIOR TO ORDERING.
7. UNIT 21-1/4" DEEP W/CLOSED PIPE TUNNEL.
8. NEMA 1 DISCONNECT SWITCH.
9. PROVIDE 1" MERV13 FILTER.
10. PROVIDE LOUVER AND WALL SLEEVE TO MATCH EXISTING WALL OPENING.
11. ADJUST UV FAN SPEED TO PROVIDE SCHEDULED SUPPLY AIR QUANTITY.

REMOTE CONDENSING UNIT (RCU) SCHEDULE

DWG LABEL	LOCATION	SERVES	MODEL NO.	REFRIG.	SUCTION (°F)	LIQUID (°F)	SUCTION SIZE	LIQUID SIZE	NOMINAL CAPACITY	COOLING CAPACITY	COMPRESSOR QTY & TYPE	FAN CONDENSER QTY & DRIVE TYPE	ELECTRICAL				NET WEIGHT (LBS)	NOTES
													EER	MCA	MOP	V/PH		
RCU-1	GROUND	UV-B-E10	4TTR4030	R-410A	45	110	3/8"	3/4"	2.5 TONS	30000 Btu/h	1 SCROLL	1 DIRECT	12.2	17.0	25	208 V/2ø	160	1-9
RCU-2	GROUND	UV-B-E16	4TTR4030	R-410A	45	110	3/8"	3/4"	2.5 TONS	30000 Btu/h	1 SCROLL	1 DIRECT	12.2	17.0	25	208 V/1ø	160	1-9

NOTES:
1. DESIGN BASIS: TRANE
2. PROVIDE MOTOR STARTER AND NEMA 3R DISCONNECT.
3. PROVIDE DEFROST CONTROLS.
4. PROVIDE LOW AMBIENT OPERATION BELOW 60°F.
5. PROVIDE INTERNAL THERMAL PROTECTION.
6. PROVIDE BRAZED TUBING REFRIGERANT LINE SETS AND COUPLINGS.
7. FIELD CHARGE REFRIGERANT FOR SUPPLY LINE, CONDENSER AND COILS.
8. VERIFY LINE SIZES WITH MANUFACTURER.
9. PROVIDE 4" CONCRETE PAD.

FAN COIL UNIT (FCU) SCHEDULE

DWG LABEL	LOCATION	MODEL NO.	SA CFM	MIN. OA	HEATING DATA				HW COIL		SUPPLY FAN		ELECTRICAL					NOTES
					NO. ROW	EAT (°F)	LAT (°F)	CAP. (MBH)	GPM	WPD (FT HD)	ESP (IN. WG.)	RPM	MOTOR SIZE (HP)	V/PH	FLA	MCA	MOP	
FCU-138	WORK 138	FCDB020	350	30	2	63.0	108.6	17.3	0.9	0.9	0.00	1280	0.13	120V/1ø	2.2	2.8	15	1-7
FCU-B-V2	VISITOR VEST V2	FCDB020	200	0	2	60.0	111.8	11.2	0.6	0.4	0.00	800	0.13	120V/1ø	2.2	2.8	15	1,3-8
FCU-E2	OFFICE E2	FCDB020	350	30	2	63.0	108.6	17.3	0.9	0.9	0.00	1280	0.13	120V/1ø	2.2	2.8	15	1-7
FCU-E4	CONFERENCE E4	FCDB020	250	70	2	51.5	109.7	15.8	0.8	0.7	0.00	960	0.13	120V/1ø	2.2	2.8	15	1-7
FCU-E5	NURSE E5	FCDB020	300	30	2	62.1	110.4	15.7	0.8	0.7	0.00	1120	0.13	120V/1ø	2.2	2.8	15	1-7
FCU-E8	CONF. E8	FCDB020	250	70	2	51.5	109.7	15.8	0.8	0.7	0.00	960	0.13	120V/1ø	2.2	2.8	15	1-7
FCU-E13	BOOKS E13	FCDB020	200	20	2	62.1	113.9	11.2	0.6	0.4	0.00	800	0.13	120V/1ø	2.2	2.8	15	1-7
FCU-E14	PSYC. E14	FCDB020	200	20	2	62.1	113.9	11.2	0.6	0.4	0.00	800	0.13	120V/1ø	2.2	2.8	15	1-7
FCU-E15	S.W. E15	FCDB020	200	20	2	62.1	113.9	11.2	0.6	0.4	0.00	800	0.13	120V/1ø	2.2	2.8	15	1-7
FCU-E28	PRINC. E28	FCDB020	200	50	2	53.3	105.1	11.2	0.6	0.4	0.00	800	0.13	120V/1ø	2.2	2.8	15	1-7

NOTES:
1. DESIGN BASIS: TRANE
2. VERTICAL CABINET UNIT
3. HOT WATER COIL CONDITIONS: EWT=160°F, LWT=120°F
4. PROVIDE 1" MERV13 FILTER.
5. VERIFY PIPE AND ELECTRICAL LEFT/RIGHT HAND CONNECTIONS PRIOR TO ORDERING.
6. PROVIDE RETURN AIR BOTTOM INLET TOP GRILLE OUTLET AND OUTSIDE AIR WALL BOX..
7. PROVIDE NEMA 1 DISCONNECT SWITCH.
8. CEILING CABINET UNIT.

LOUVER (L) SCHEDULE

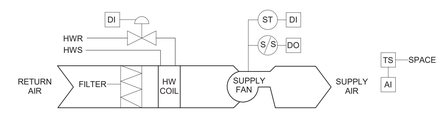
DWG LABEL	SERVES	MODEL NO.	TYPE	LENGTH (IN)	HEIGHT (IN)	DEPTH (IN)	FREE AREA (S.F.)	AIRFLOW (CFM)	VELOCITY (FPM)	MAX APD (IN WG)	NOTES
L-C-1	EXISTING AHU	ESD-635	INTAKE	72	26	6	6.00	4500	750	0.08	1-5

NOTES:
1. DESIGN BASIS: GREENHECK
2. PROVIDE WITH KYNAR FINISH.
3. COLOR TO BE SELECTED BY ARCHITECT.
4. PROVIDE WITH EXTENDED SILL.
5. PROVIDE WITH ALUMINUM BIRDSCREEN IN REMOVABLE FRAME.

GLENHAM 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)
UV	1	PRE-K	CLASSROOMS (AGE 9 PLUS)	1071	35	38	10	380	0.12	129	509	0.9	570
UV	2	KINDERGARTEN	CLASSROOMS (AGE 9 PLUS)	705	35	25	10	250	0.12	85	335	0.9	370
UV	3	PRE-K	CLASSROOMS (AGE 9 PLUS)	691	35	25	10	250	0.12	83	333	0.9	370
UV	4	KINDERGARTEN	CLASSROOMS (AGE 9 PLUS)	706	35	25	10	250	0.12	85	335	0.9	370
UV	5	KINDERGARTEN	CLASSROOMS (AGE 9 PLUS)	710	35	25	10	250	0.12	85	335	0.9	370
UV	6	KINDERGARTEN	CLASSROOMS (AGE 9 PLUS)	1078	35	38	10	380	0.12	129	509	0.9	570
UV	7	CLASSRM.	CLASSROOMS (AGE 9 PLUS)	803	35	29	10	290	0.12	96	386	0.9	430
UV	8	CLASSRM.	CLASSROOMS (AGE 9 PLUS)	745	35	27	10	270	0.12	89	359	0.9	400
UV	9	CLASSRM.	CLASSROOMS (AGE 9 PLUS)	795	35	28	10	280	0.12	95	375	0.9	420
UV	10	CLASSRM.	CLASSROOMS (AGE 9 PLUS)	731	35	26	10	260	0.12	88	348	0.9	390
UV	11	SPECIAL ED.	CLASSROOMS (AGE 9 PLUS)	815	35	29	10	290	0.12	98	388	0.9	430
UV	12	CLASSRM.	CLASSROOMS (AGE 9 PLUS)	733	35	26	10	260	0.12	88	348	0.9	390
UV	13	ART	ART CLASSROOM	841	20	17	10	170	0.18	151	321	0.9	360
UV	14	CLASSRM.	CLASSROOMS (AGE 9 PLUS)	735	35	26	10	260	0.12	88	348	0.9	390
UV	15	CLASSRM.	CLASSROOMS (AGE 9 PLUS)	769	35	27	10	270	0.12	92	362	0.9	400
UV	16	CLASSRM.	CLASSROOMS (AGE 9 PLUS)	776	35	28	10	280	0.12	93	373	0.9	410
UV	17	CLASSRM.	CLASSROOMS (AGE 9 PLUS)	743	35	27	10	270	0.12	89	359	0.9	400
UV	E18	SPEECH	CLASSROOMS (AGE 9 PLUS)	296	35	11	10	110	0.12	36	146	0.9	160
UV	18	CLASSRM.	CLASSROOMS (AGE 9 PLUS)	759	35	27	10	270	0.12	91	361	0.9	400
UV	19	CLASSRM.	CLASSROOMS (AGE 9 PLUS)	799	35	28	10	280	0.12	96	376	0.9	420
UV	20	CLASSRM.	CLASSROOMS (AGE 9 PLUS)	831	35	30	10	300	0.12	100	400	0.9	440
UV	21	SPEECH	CLASSROOMS (AGE 9 PLUS)	821	35	29	10	290	0.12	99	389	0.9	430
UV	22	MUSIC CLASSRM.	CLASSROOMS (AGE 9 PLUS)	812	35	29	10	290	0.12	97	387	0.9	430
FCU	E2	OFFICE	OFFICE SPACE	352	5	2	5	10	0.06	21	31	0.9	30
FCU	E4	CONF.	CONFERENCE/MEETING	198	50	10	5	50	0.06	12	62	0.9	70
FCU	E5	NURSE	OFFICE SPACE	282	5	2	5	10	0.06	17	27	0.9	30
	E6	ATTENDANCE OFFICE	OFFICE SPACE	82	5	1	5	5	0.06	5	10	0.9	10
FCU	E8	CONF.	CONFERENCE/MEETING	197	50	10	5	50	0.06	12	62	0.9	70
UV	E10	OT/PT	CLASSROOMS (AGE 9 PLUS)	565	35	20	10	200	0.12	68	268	0.9	300
FCU	E13	BOOKS	OFFICE SPACE	184	5	1	5	5	0.06	11	16	0.9	20
FCU	E14	PSYC.	OFFICE SPACE	182	5	1	5	5	0.06	11	16	0.9	20
FCU	E15	S.W.	OFFICE SPACE	179	5	1	5	5	0.06	11	16	0.9	20
UV	E16	FACULTY	BREAKROOMS	424	50	22	5	110	0.12	51	161	0.9	180
UV	E17	LIBRARY	CLASSROOMS (AGE 9 PLUS)	1093	35	39	10	390	0.12	131	521	0.9	580
FCU	138	WORK	OFFICE SPACE	146	5	1	5	5	0.06	9	14	0.9	20
FCU	E28	PRINC.	CONFERENCE/MEETING	143	50	8	5	40	0.06	9	49	0.9	50

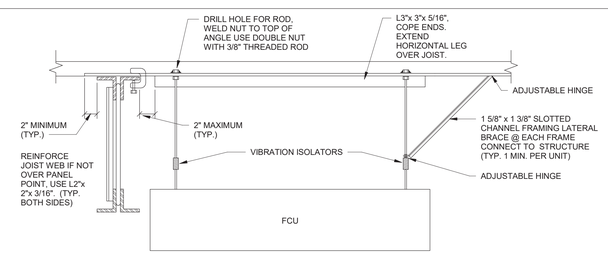
NOTES:
Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW ,
Ez = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW



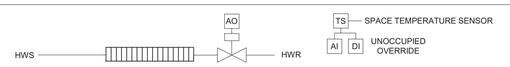
FAN COIL UNIT - HOT WATER - NO OUTSIDE AIR - VALVE CONTROL - SEQUENCE OF OPERATIONS:

1. OCCUPIED MODE:
   a. ON DROP IN SPACE TEMPERATURE BELOW OCCUPIED HEATING SETPOINT, CYCLE THE FAN ON AND OPEN CONTROL VALVE FULL TO MAINTAIN SPACE OCCUPIED SETPOINT, FAN SHALL HAVE DELAYED SHUT OFF AFTER VALVE CLOSES. USE 5 DEG. F (ADJUSTABLE) DEADBAND TO MINIMIZE SHORT CYCLING.
2. UNOCCUPIED MODE:
   a. ON DROP IN SPACE TEMPERATURE BELOW UNOCCUPIED HEATING SETPOINT, CYCLE THE FAN ON AND OPEN CONTROL VALVE FULL TO MAINTAIN SPACE UNOCCUPIED SETPOINT, FAN SHALL HAVE A DELAYED SHUT OFF AFTER VALVE CLOSES. USE 5 DEG. F (ADJUSTABLE) DEADBAND TO MINIMIZE SHORT CYCLING.
3. SAFETIES:
   a. PROVIDE CURRENT SENSOR TO SENSE THE STATUS OF THE FANS. WHEN FAN MOTOR AMP DRAW IS OUT OF NORMAL RANGE, GENERATE AN ALARM AT THE OWS.

3 Fan Coil Unit - Hot Water - Valve Control
NTS



1 Light Equipment Hanging Detail
NTS



FIN TUBE RADIATION - HOT WATER - WITH 2-WAY CONTROL VALVE - SEQUENCE OF OPERATIONS:

1. OCCUPIED MODE:
   a. WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE OCCUPIED HEATING SETPOINT, THE CONTROL VALVE SHALL OPEN 100% TO MAINTAIN OCCUPIED SPACE SETPOINT.
2. UNOCCUPIED MODE:
   a. WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE UNOCCUPIED HEATING SETPOINT, THE CONTROL VALVE SHALL OPEN 100% TO MAINTAIN UNOCCUPIED SPACE SETPOINT.
3. WARM-UP MODE:
   a. WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE OCCUPIED HEATING SETPOINT, THE CONTROL VALVE SHALL OPEN 100% TO MAINTAIN OCCUPIED SPACE SETPOINT.
4. SAFETIES:
   a. IF THE SPACE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY 10 DEG. F (ADJUSTABLE), THE CONTROL VALVE SHALL OPEN 100%. AN ALARM SHALL BE ACTIVATED.

Fin Tube Radiation - Hot Water - 2-Way Control Valve
2 NTS

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT — WHERE EXCELLENCE IS THE STANDARD

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BID SET

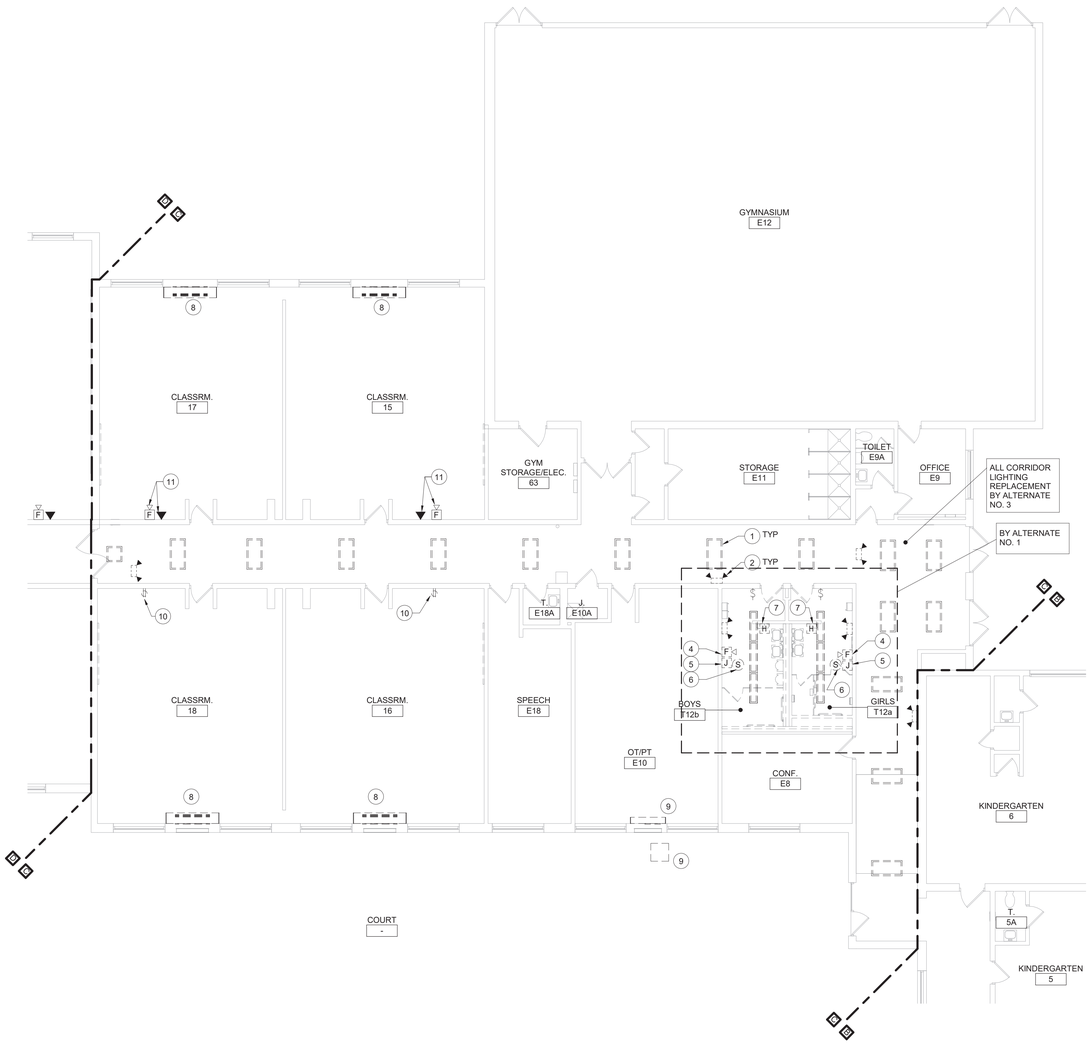
TETRA TECH ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

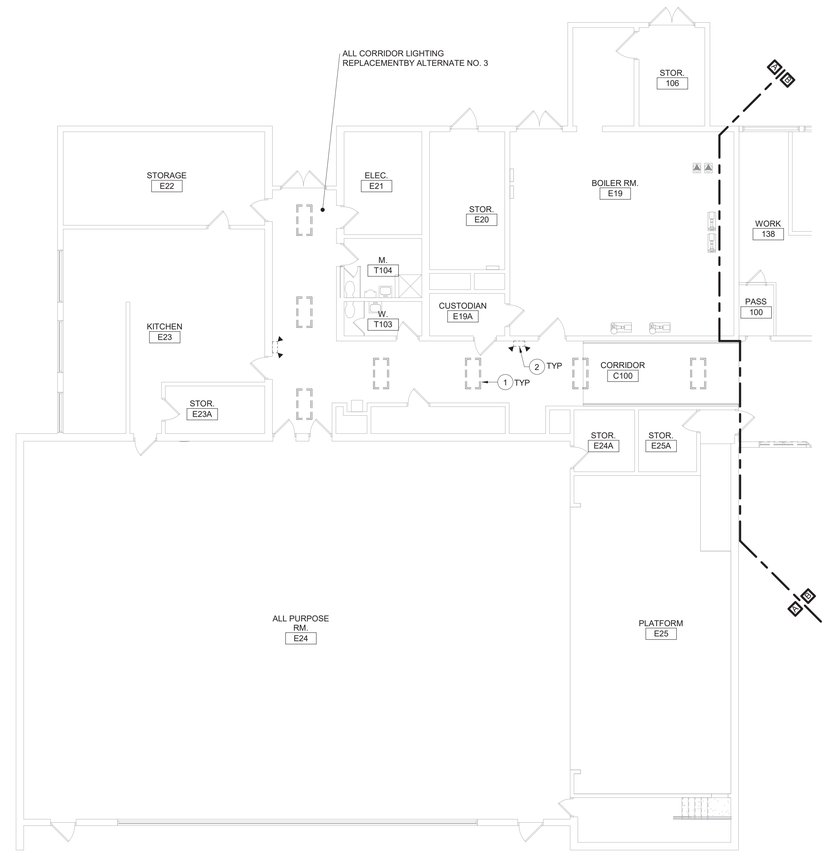
Additions and Alterations to:
Glenham Elementary School

Schedules, Details and Controls

Drawn By:	Date:	Drawing Number:
JPF1/pgm	10/28/2022	BM600
Project No.: 279180-22004		



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



1 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 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 FIRE ALARM STROBE.
5. REMOVE JUNCTION BOX.
6. REMOVE, CLEAN AND STORE SPEAKER.
7. DISCONNECT POWER CIRCUITRY TO HAND DRYER, TAG FOR RE-USE.
8. DISCONNECT POWER CIRCUITRY TO HVAC EQUIPMENT AND TAG FOR RE-USE.
9. REMOVE POWER CIRCUITRY TO HVAC EQUIPMENT COMPLETE BACK TO SOURCE. LABEL ANY UNUSED CIRCUIT BREAKERS AS "SPARE". AMEND PANEL DIRECTORY AS NECESSARY.
10. REMOVE RECEPTACLE COMPLETE BACK TO SOURCE.
11. REMOVE FIRE ALARM HORN STROBE AND TELEPHONE LINE, PREPARE FOR RE-INSTALLATION.

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. 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.

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 MINIATURE INVERTER INFORMATION.

E. PROPERLY IDENTIFY ALL CIRCUITS AT PANELS AND J-BOXES AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

F. PROVIDE ALL ADAPTERS, COUPLINGS AND ASSOCIATED FITTINGS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM.

G. 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.

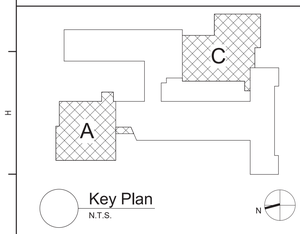
H. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES.

I. 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.

J. 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.



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

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BID SET

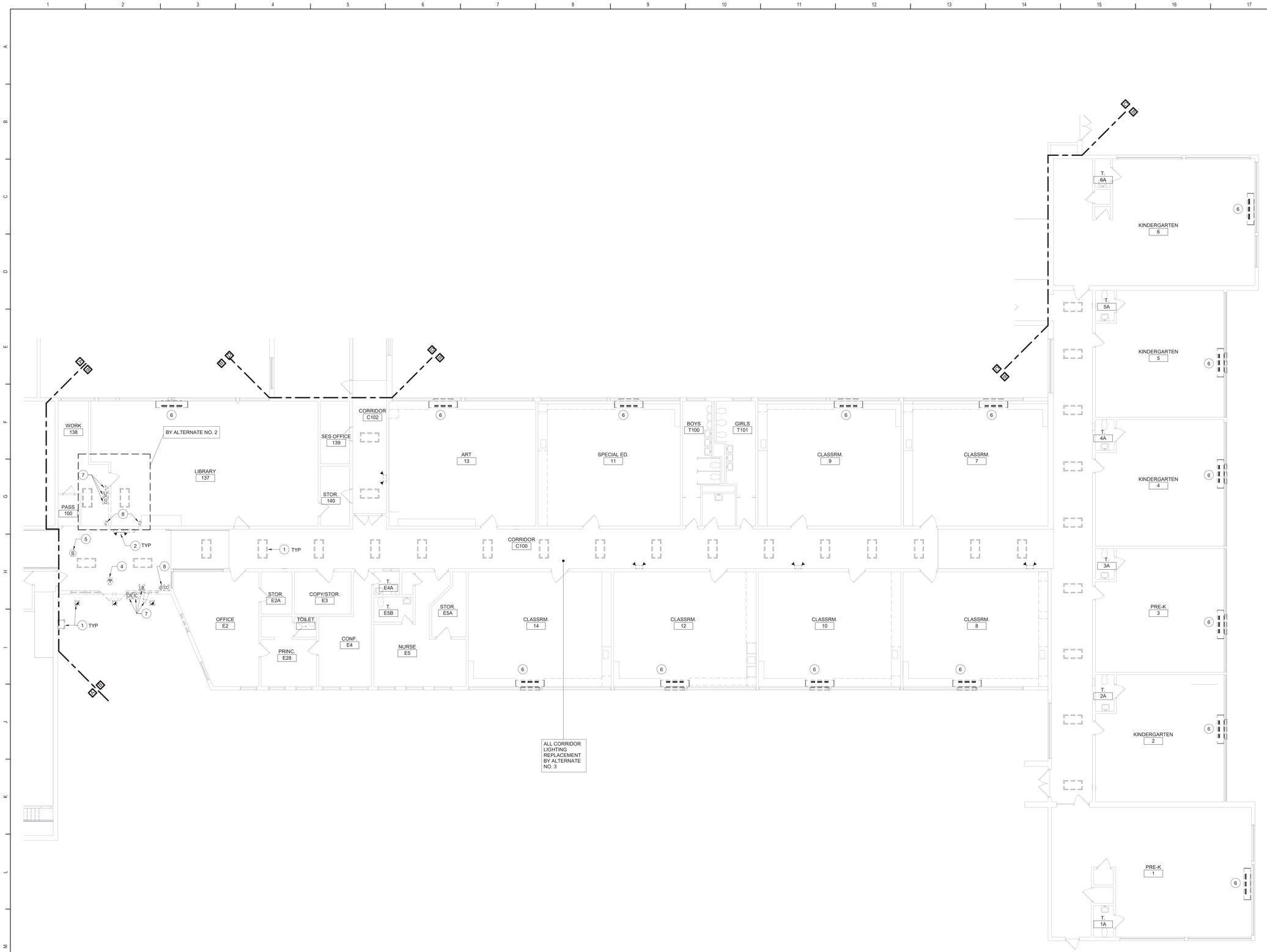
TETRA TECH
ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Demolition Plan - Areas A and C

Drawn By:	Date:	Drawing Number:
SAS	10/28/2022	BE100
Project No.: 279180-22004		



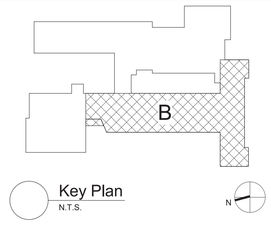
1 First Floor Demolition Plan - Area B
1/8" = 1'-0"

Keyed Notes:

1. REMOVE LUMINAIRE(S) AND CIRCUITRY COMPLETE BACK TO SOURCE.
2. REMOVE WALL 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 EXIT LIGHT.
5. REMOVE SMOKE DETECTOR.
6. DISCONNECT POWER CIRCUITRY TO HVAC EQUIPMENT AND TAG FOR RE-USE.
7. REMOVE DEVICES SHOWN, CLEAN AND STORE FOR RE-INSTALLATION.
8. REMOVE RECEPTACLE. 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

General Notes:

A. REFER TO DRAWING BE100 FOR GENERAL NOTES



S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT WHERE EXCELLENCE IS THE STANDARD

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TETRA TECH ARCHITECTS & ENGINEERS

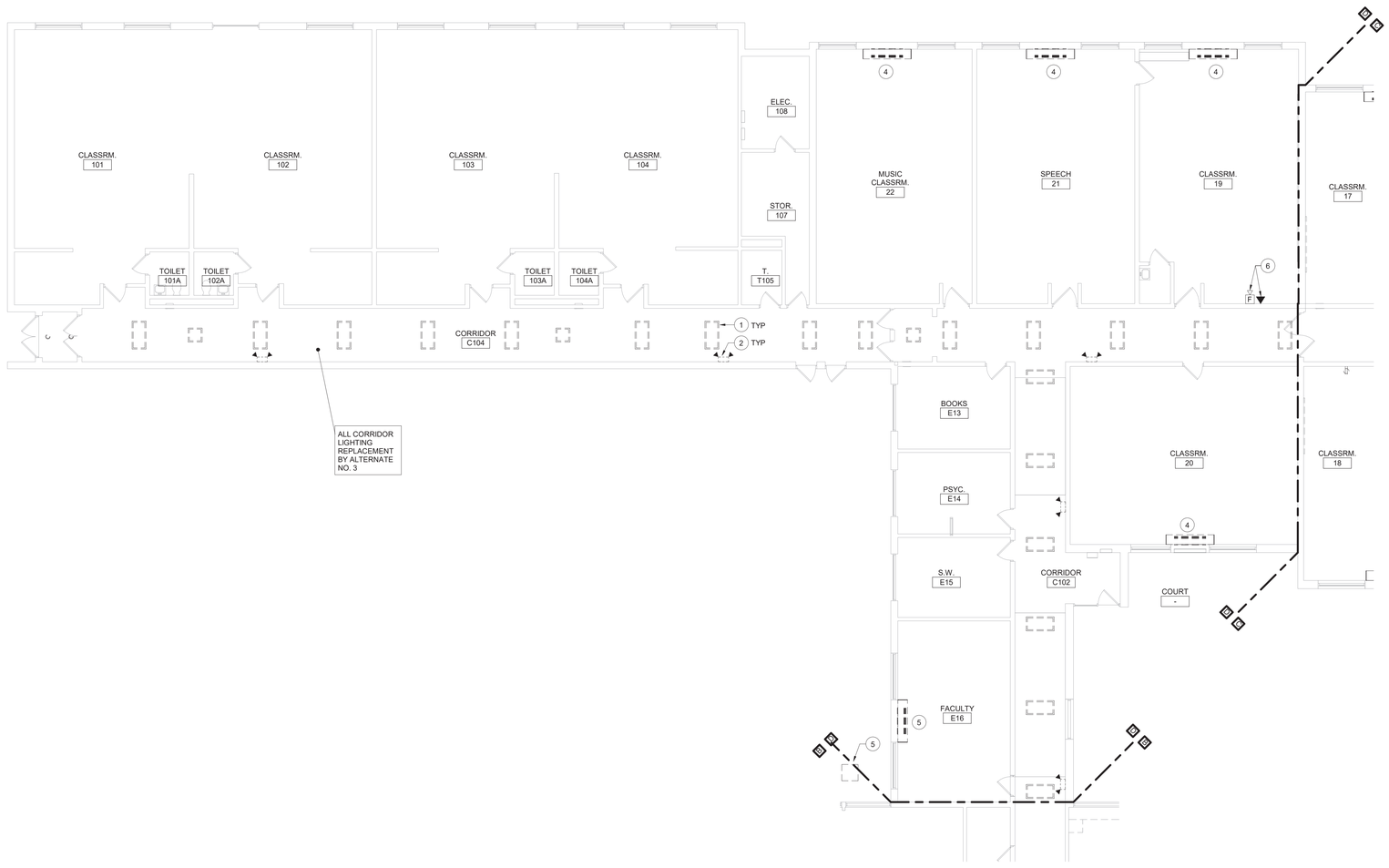
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Demolition Plan - Area B

Drawn By:	Date:	Drawing Number:
Author	10/28/2022	BE101

Project No.: 279180-22004



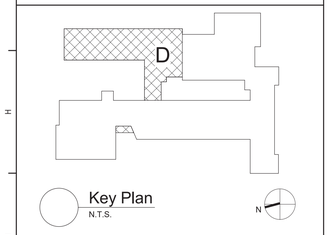
1 Partial First Floor Demolition Plan - Area D
1/8" = 1'-0"

Keyed Notes:

1. REMOVE LUMINAIRE(S) AND CIRCUITRY COMPLETE BACK TO SOURCE.
2. REMOVE WALL 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 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. DISCONNECT POWER CIRCUITRY TO HVAC EQUIPMENT AND TAG FOR RE-USE.
5. REMOVE POWER CIRCUITRY TO HVAC EQUIPMENT COMPLETE BACK TO SOURCE. LABEL ANY UNUSED CIRCUIT BREAKERS AS "SPARE". AMEND PANEL DIRECTORY AS NECESSARY.
6. REMOVE FIRE ALARM HORN STROBE AND TELEPHONE LINE, PREPARE FOR RE-INSTALLATION.

General Notes:

A. REFER TO DRAWING BE100 FOR GENERAL NOTES



S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT — WHERE EXCELLENCE IS THE STANDARD

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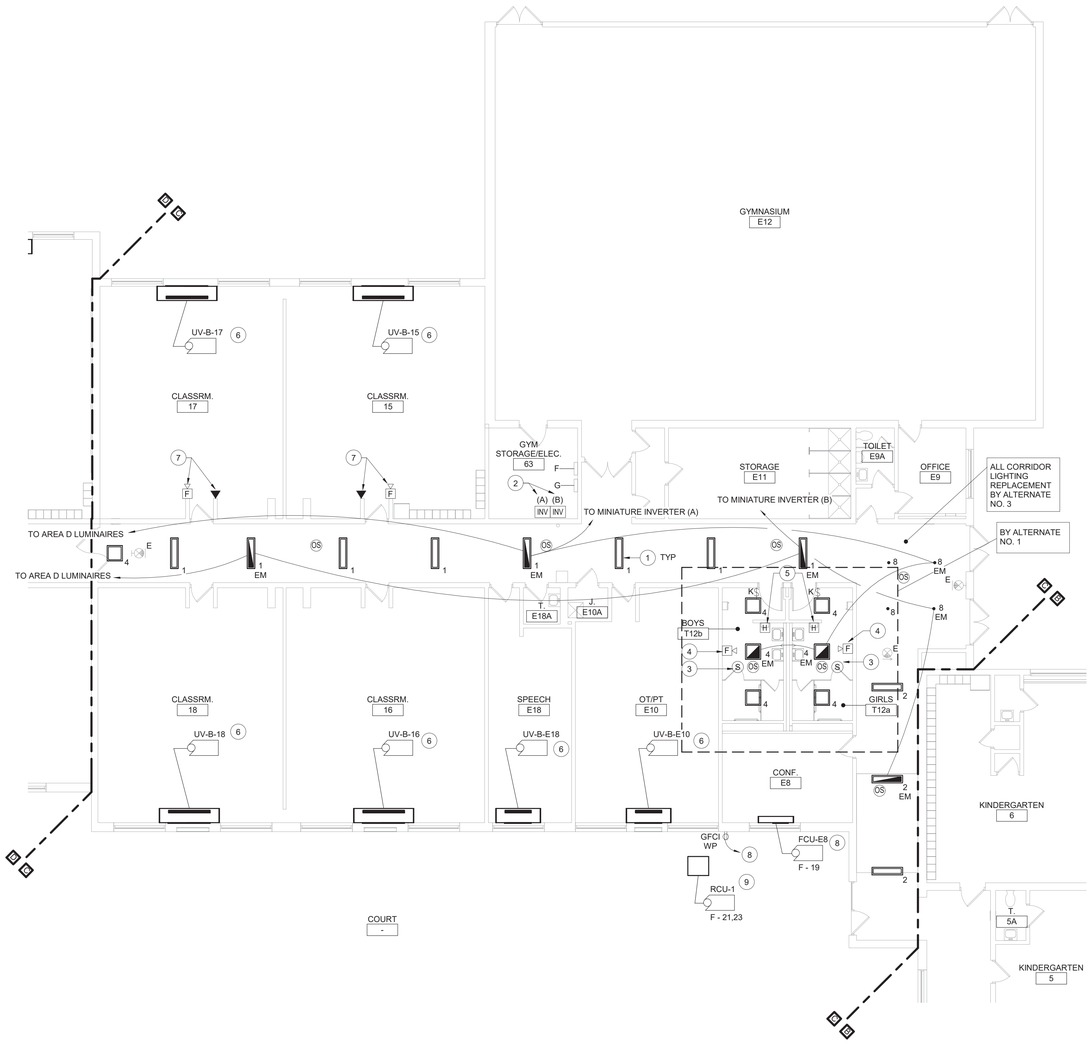
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

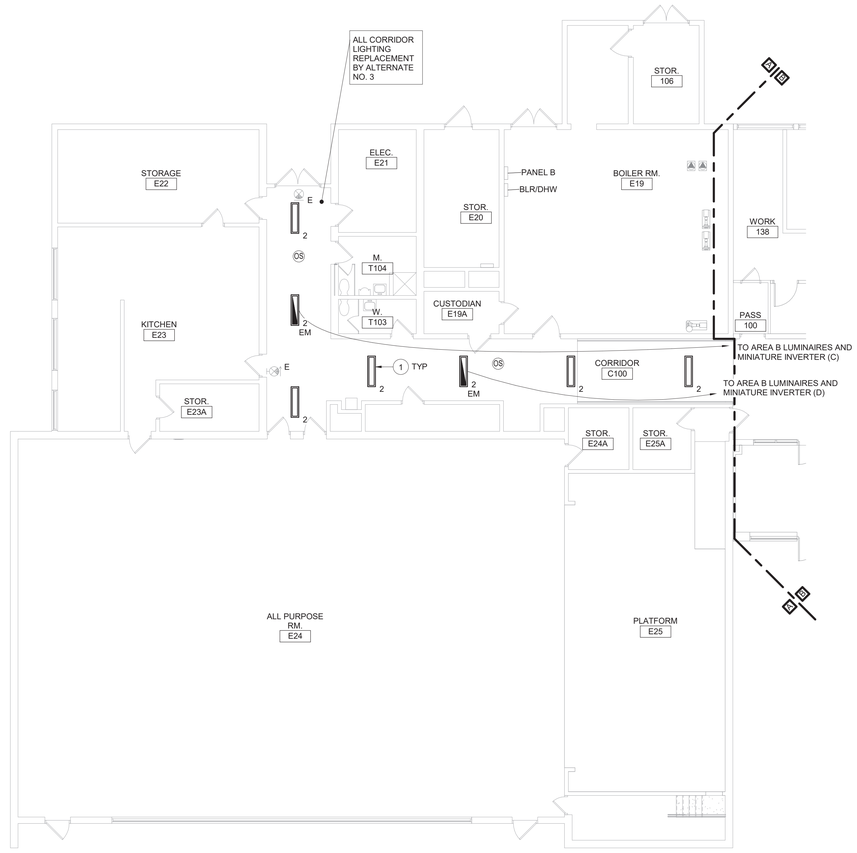
First Floor Demolition Plan - Area D

Drawn By:	Date:	Drawing Number:
Author	10/28/2022	BE102

Project No.: 279180-22004



2 First Floor Lighting and Power Plan - Area C
1/8" = 1'-0"



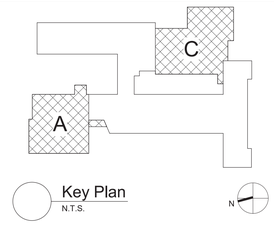
1 First Floor Lighting and Power Plan - Area A
1/8" = 1'-0"

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. PROVIDE WALL MOUNTED MINIATURE INVERTER BASED ON MODEL VESTA MAX MODEL VST-MAX-375W-UNV-4CK, 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 BE500.
3. RE-INSTALL STORED SPEAKER TO LOCATION SHOWN. MODIFY/EXTEND CIRCUITRY AS NECESSARY.
4. RE-INSTALL STORED FIRE ALARM STROBE TO LOCATION SHOWN. MODIFY/EXTEND CIRCUITRY AS NECESSARY.
5. RE-CONNECT TAGGED POWER CIRCUITRY TO HAND DRYER. MODIFY/EXTEND CIRCUITRY AS NECESSARY.
6. RE-CONNECT TAGGED POWER CIRCUITRY TO HVAC EQUIPMENT. MODIFY/EXTEND CIRCUITRY AS NECESSARY.
7. RE-INSTALL FIRE ALARM HORN STROBE AND TELEPHONE LINE AT LOCATION SHOWN. MODIFY/EXTEND CIRCUITRY AS NECESSARY.
8. PROVIDE 20A1P BREAKER IN AVAILABLE SPACE IN PANEL F IN GYM STORAGE/ELEC 63. 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.
9. PROVIDE 30A2P BREAKER IN AVAILABLE SPACE IN PANEL F IN GYM STORAGE/ELEC 63. CONNECT USING (2)#10, (1)#10 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.

General Notes:

A. REFER TO DRAWING BE100 FOR GENERAL NOTES.
B. REFER TO DRAWING BE500 FOR LUMINAIRE SCHEDULE.
C. SECURE ALL EXISTING UNSUPPORTED CABLES ABOVE DISTURBED 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 SEQUENCE:
TOILETS:
PERSON ENTERS THE ROOM AND LUMINAIRES TURN ON TO 100% OUTPUT BY OCCUPANCY SENSOR. WHEN PERSON EXITS THE ROOM THE OCCUPANCY SENSOR WILL TURN OFF THE LUMINAIRES AFTER 15 MINUTES. MANUAL CONTROL BY LINE VOLTAGE KEYED SWITCH.
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. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

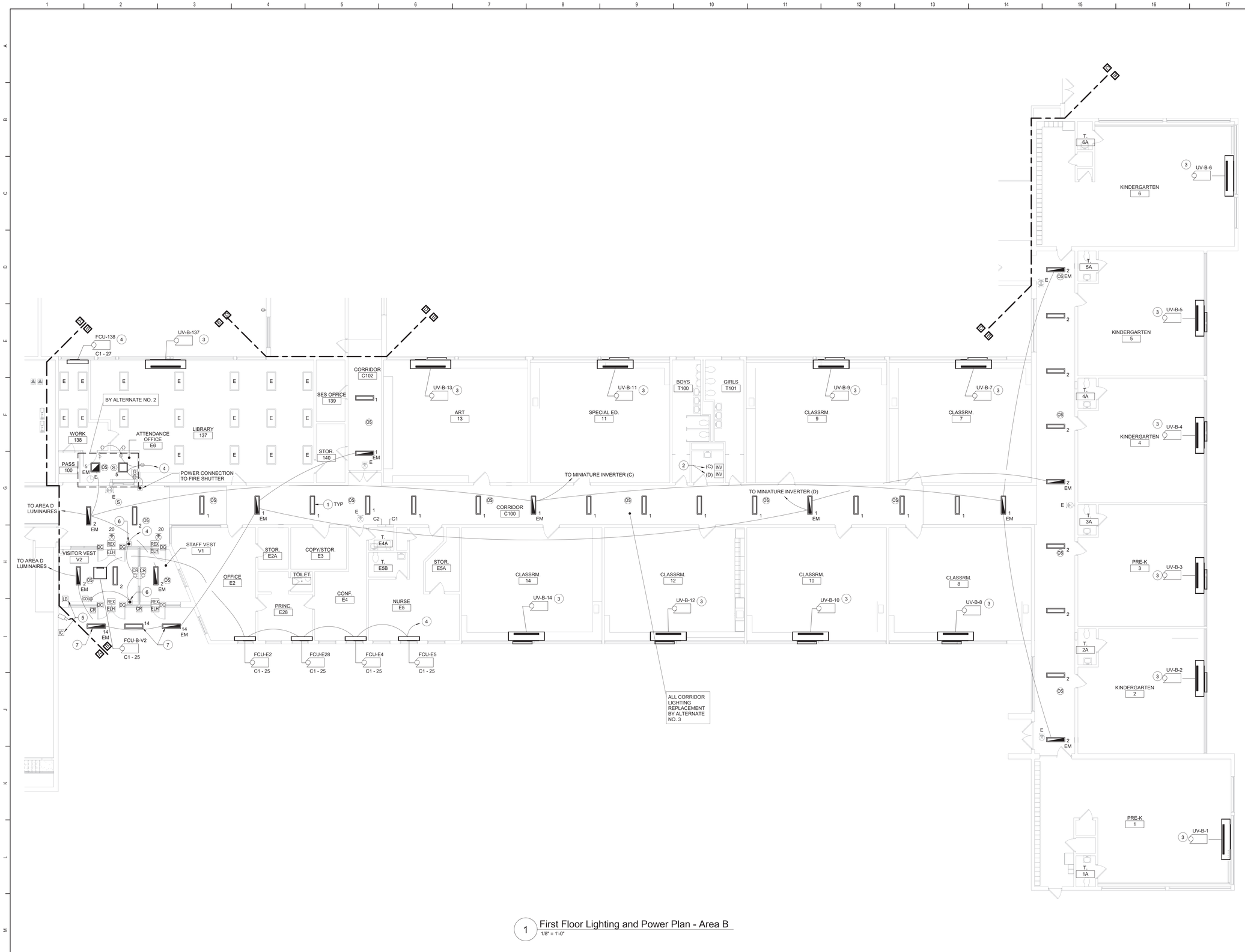
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Lighting and Power Plan - Areas A and C

Drawn By:	Date:	Drawing Number:
CR	10/28/2022	BE130

Project No.:
279180-22004



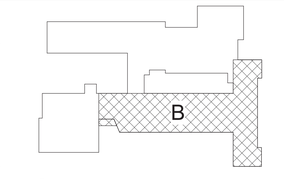
1 First Floor Lighting and Power Plan - Area B
1/8" = 1'-0"

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. PROVIDE WALL MOUNTED MINIATURE INVERTER BASED ON MODEL VESTA MAX MODEL VST-MAX-375W-UNV-4CK, 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 BE500.
3. RE-CONNECT TAGGED POWER CIRCUITRY TO HVAC EQUIPMENT. MODIFY/EXTEND CIRCUITRY AS NECESSARY.
4. CIRCUIT TO SPARE 20A1P BREAKER IN PANEL C1 IN CORRIDOR C100. CONNECT USING (2)#12, (1)#12 G. IN 1/2" CONDUIT. AMEND PANEL DIRECTORY ACCORDINGLY.
5. RELOCATE DEVICES TO LOCATION SHOWN. MODIFY/EXTEND CIRCUITRY AS NECESSARY.
6. PROVIDE POWER CONNECTION TO POWER SUPPLY FOR DOOR HARDWARE.
7. CONNECT EXTERIOR LUMINAIRES TO EXISTING CIRCUITRY PREVIOUSLY SERVING THE AREA. CONNECT LUMINAIRES TO EXISTING EXTERIOR LIGHTING CONTROLS.

General Notes:

A. REFER TO DRAWING BE100 FOR GENERAL NOTES.
B. REFER TO DRAWING BE500 FOR LUMINAIRE SCHEDULE.
C. SECURE ALL EXISTING UNSUPPORTED CABLES ABOVE DISTURBED 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.
OFFICES:
PERSON ENTERS THE ROOM AND LUMINAIRES TURN ON TO 50% OUTPUT BY OCCUPANCY SENSOR. WHEN PERSON EXITS THE ROOM THE OCCUPANCY SENSOR WILL TURN OFF THE LUMINAIRES AFTER 15 MINUTES. LOW VOLTAGE LIGHTING CONTROL. BUTTON CAPABLE OF ON/OFF, 50% AND 100% MAYBE BE MANUALLY ADJUSTED BY BUTTON.



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT — WHERE EXCELLENCE IS THE STANDARD

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Lighting and Power Plan - Area B

Drawn By:	Date:	Drawing Number:
CR	10/28/2022	BE131

Project No.:
279180-22004

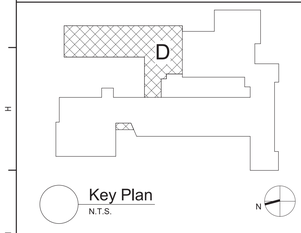
1 Partial First Floor Lighting and Power Plan - Area D
1/8" = 1'-0"

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-CONNECT TAGGED POWER CIRCUITRY TO HVAC EQUIPMENT. MODIFY/EXTEND CIRCUITRY AS NECESSARY.
3. CIRCUIT TO SPARE 20A1P BREAKER IN PANEL 1988 ADD. PANEL IN CORR C102. CONNECT USING (2)#12, (1)#12 G. IN 1/2" CONDUIT. AMEND PANEL DIRECTORY ACCORDINGLY.
4. PROVIDE 30A2P BREAKER IN AVAILABLE SPACE IN PANEL 1988 ADD. PANEL IN CORR C102. CONNECT USING (2)#10, (1)#10 G. IN 1/2" CONDUIT. REMOVE EXISTING SPARE BREAKER(S) IF NECESSARY TO PROVIDE ROOM IN PANEL. NEW BREAKER TO BE UL LISTED FOR USE IN PANEL AND MEET OR EXCEED AIC RATING OF EXISTING PANEL. AMEND PANEL DIRECTORY ACCORDINGLY.
5. RE-INSTALL FIRE ALARM HORN STROBE AND TELEPHONE LINE AT LOCATION SHOWN. MODIFY/EXTEND CIRCUITRY AS NECESSARY.

General Notes:

A. REFER TO DRAWING BE100 FOR GENERAL NOTES.
B. REFER TO DRAWING BE500 FOR LUMINAIRE SCHEDULE.
C. SECURE ALL EXISTING UNSUPPORTED CABLES ABOVE DISTURBED 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.



S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

BEACON CITY SCHOOL DISTRICT WHERE EXCELLENCE IS THE STANDARD

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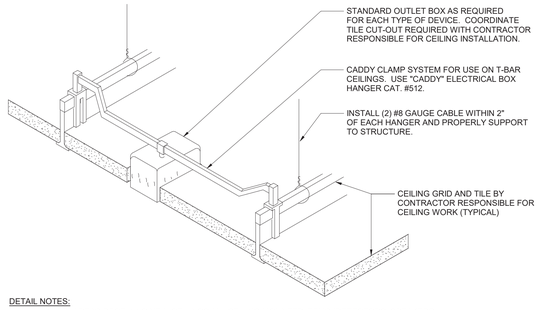
TETRA TECH ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Lighting and Power Plan - Area D

Drawn By:	Date:	Drawing Number:
CR	10/28/2022	BE132
Project No.: 279180-22004		

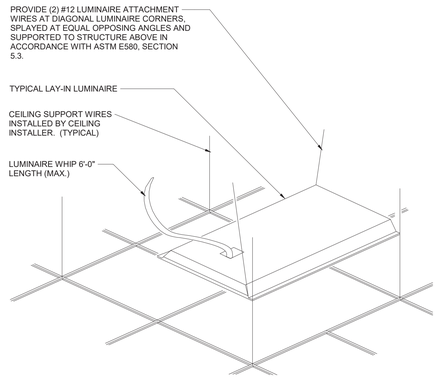


DETAIL NOTES:

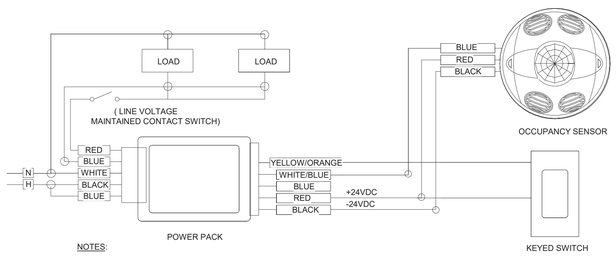
A. IN AREAS RECEIVING NEW CEILINGS ALL CEILING MOUNTED ITEMS (DETECTORS, SPEAKERS, ETC) ARE TO BE CENTERED WITHIN THE PATTERN OF THE CEILING PANEL. A 2'X4' PANEL SCORED TO A 2'X2' PATTERN SHALL HAVE ITEMS CENTERED IN THE 2'x2' PORTION.

B. PROVIDE ADDITIONAL SUPPORT FOR EXIT SIGNS, WHERE REQUIRED.

1 Ceiling Mounting Device Detail
NTS



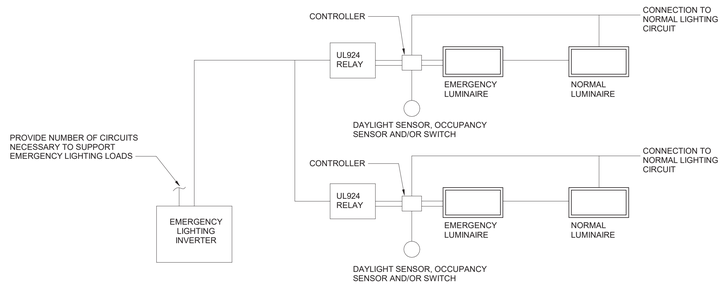
2 Typical Troffer Mounting Detail
NTS



NOTES:

A. PAINT ALL SURFACE RACEWAY AND BOXES TO MATCH EXISTING SURFACES. (WHERE APPLICABLE).
B. PROVIDE RELAYS WHERE TWO OR MORE CIRCUITS FEED LIGHTING IN SAME ROOM.
C. ADJUST SENSITIVITY OF EACH OCCUPANCY SENSOR TO DETECT HUMAN MOVEMENT BUT NOT HVAC EQUIPMENT. ADJUST TIME DELAY FOR OPTIMUM PERFORMANCE. APPLY MASKING SEGMENTS TO DETECTION HEAD WHERE REQUIRED.
D. POWER PACK AND THE LOAD SWITCHED BY THE POWER PACK MUST BE FED FROM THE SAME PHASE.
E. REFER TO LIGHTING PLANS FOR LIGHTING SEQUENCES

3 Occupancy Sensor Wiring Diagram
12" = 1'-0"



4 Emergency Miniature Inverter Wiring Diagram
NTS

LUMINAIRE SCHEDULE

TYPE	SYMBOL	DESCRIPTION	LAMPS			MANUFACTURERS (OR EQUAL)	
			WATTAGE	LUMENS	TYPE	NAME	MODEL OR SERIES
1		1' x 4' TROFFER (RECESSED IN GRID)	12.2	1482	LED	SIGNIFY (DAY-BRITE)	1FPZ15L835-4-DS-UNV-DIM
1 EM		SAME AS TYPE 1 - CONNECTED TO EMERGENCY MINIATURE INVERTER	12.2	1482	LED	SIGNIFY (DAY-BRITE)	1FPZ15L835-4-DS-UNV-DIM
2		1' x 4' TROFFER (RECESSED IN GRID)	24.6	2972	LED	SIGNIFY (DAY-BRITE)	1FPZ30L835-4-DS-UNV-DIM
2 EM		SAME AS TYPE 2 - CONNECTED TO EMERGENCY MINIATURE INVERTER	24.6	2972	LED	SIGNIFY (DAY-BRITE)	1FPZ30L835-4-DS-UNV-DIM
3		1' x 4' TROFFER (RECESSED IN GRID)	31.3	3775	LED	SIGNIFY (DAY-BRITE)	1FPZ38L835-4-DS-UNV-DIM
3 EM		SAME AS TYPE 3 - CONNECTED TO EMERGENCY MINIATURE INVERTER	31.3	3775	LED	SIGNIFY (DAY-BRITE)	1FPZ38L835-4-DS-UNV-DIM
4		2' x 2' TROFFER (RECESSED IN GRID)	15.7	1918	LED	SIGNIFY (DAY-BRITE)	2FPZ20L835-2-DS-UNV-DIM
4 EM		SAME AS TYPE 4 - CONNECTED TO EMERGENCY MINIATURE INVERTER	15.7	1918	LED	SIGNIFY (DAY-BRITE)	2FPZ20L835-2-DS-UNV-DIM
5		2' x 2' TROFFER (RECESSED IN GRID)	23.4	2911	LED	SIGNIFY (DAY-BRITE)	2FPZ30L835-2-DS-UNV-DIM
5 EM		SAME AS TYPE 5 - CONNECTED TO EMERGENCY MINIATURE INVERTER	23.4	2911	LED	SIGNIFY (DAY-BRITE)	2FPZ30L835-2-DS-UNV-DIM
6 **		2' x 2' TROFFER (RECESSED IN GRID)	29.8	3856	LED	SIGNIFY (DAY-BRITE)	2FPZ38L835-2-DS-UNV-DIM
6 EM **		SAME AS TYPE 6 - CONNECTED TO EMERGENCY MINIATURE INVERTER	29.8	3856	LED	SIGNIFY (DAY-BRITE)	2FPZ38L835-2-DS-UNV-DIM
7 **		2' x 2' TROFFER (RECESSED IN GRID)	35.7	4403	LED	SIGNIFY (DAY-BRITE)	2FPZ45L835-2-DS-UNV-DIM
7 EM **		SAME AS TYPE 7 - CONNECTED TO EMERGENCY MINIATURE INVERTER	35.7	4403	LED	SIGNIFY (DAY-BRITE)	2FPZ45L835-2-DS-UNV-DIM
8		4" ROUND DOWNLIGHT	8.8	868	LED	SIGNIFY (LEDALITE)	L4R10935VB / L4RDW
8 EM		SAME AS TYPE 8 - CONNECTED TO EMERGENCY MINIATURE INVERTER	8.8	868	LED	SIGNIFY (LEDALITE)	L4R10935VB / L4RDW
9 **		4" SQUARE DOWNLIGHT	8.8	868	LED	SIGNIFY (LEDALITE)	L4R10935VB / L4RDW
9 EM **		SAME AS TYPE 9 - CONNECTED TO EMERGENCY MINIATURE INVERTER	8.8	868	LED	SIGNIFY (LEDALITE)	L4R10935VB / L4RDW
10 **		2" RECESSED LINEAR. LENGTH VARIES, SEE PLANS FOR SPECIFIC LENGTHS.	14.5	1345	LED	FINELITE	HP-2-R-D-XFT-S-835
10 EM **		SAME AS TYPE 10 - CONNECTED TO EMERGENCY MINIATURE INVERTER	14.5	1345	LED	FINELITE	HP-2-R-D-XFT-S-835
11 **		15/16" T-BAR LED	39	2854	LED	JLC TECH	TBSL-MW-5-24-B2-X-W
11 EM **		SAME AS TYPE 11 - CONNECTED TO EMERGENCY MINIATURE INVERTER	39	2854	LED	JLC TECH	TBSL-MW-5-24-B2-X-W
12 **		2" RECESSED PERIMETER	27.6	2999	LED	PINNACLE ARCHITECTURAL LIGHTING	EV2DPM-A-835HO-4
12 EM **		SAME AS TYPE 12 - CONNECTED TO EMERGENCY MINIATURE INVERTER	27.6	2999	LED	PINNACLE ARCHITECTURAL LIGHTING	EV2DPM-A-835HO-4
13 **		WALL MOUNT LINEAR	33.1	3361	LED	SIGNIFY (LEDALITE)	7408LBEQN047DEW
13 EM **		SAME AS TYPE 13 - CONNECTED TO EMERGENCY MINIATURE INVERTER	33.1	3361	LED	SIGNIFY (LEDALITE)	7408LBEQN047DEW
14		4' RECESSED LINEAR - CONNECTED TO EMERGENCY MINIATURE INVERTER	8.7	1780	LED	PINNACLE ARCHITECTURAL LIGHTING	EX3-WET-35-4-FL-U-OL2-1-0-W
14 EM		4' RECESSED LINEAR - CONNECTED TO EMERGENCY MINIATURE INVERTER	8.7	1780	LED	PINNACLE ARCHITECTURAL LIGHTING	EX3-WET-35-4-FL-U-OL2-1-0-W
20		EXIT SIGN (SINGLE FACE) WALL AND CEILING MOUNT. SEE PLANS FOR DIRECTIONAL INDICATORS	2.5		LED	SIGNIFY (CHLORIDE)	ER46L-2-W-R

** LUMINAIRE TYPE NOT USED IN THIS BUILDING

NOTE: ALL LUMINAIRES ARE 120 VOLTS

* MANUFACTURER AND MODEL NUMBER ARE PROVIDED TO SHOW BASIS OF DESIGN ONLY.

5 Luminaire Schedule
NTS

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

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TETRA TECH ARCHITECTS & ENGINEERS

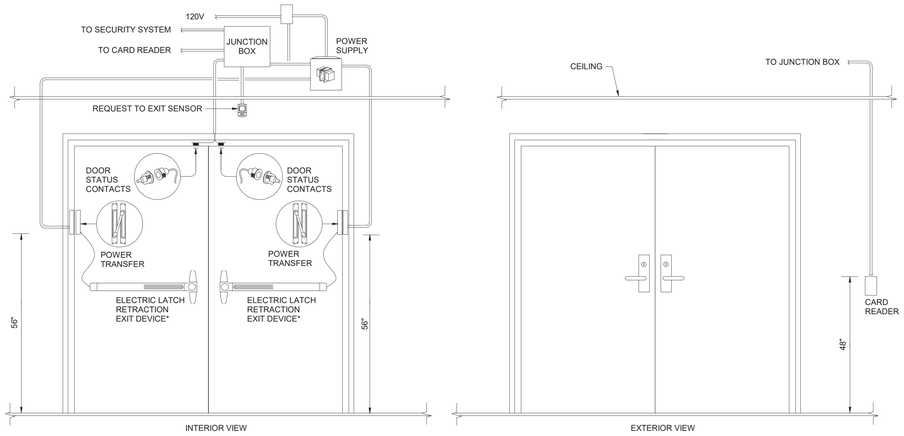
Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

Details

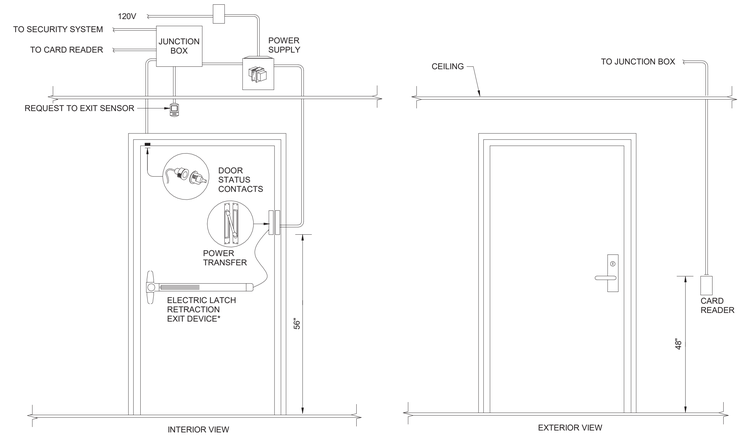
Drawn By:	Date:	Drawing Number:
SAS	10/28/2022	BE500

Project No.: 279180-22004

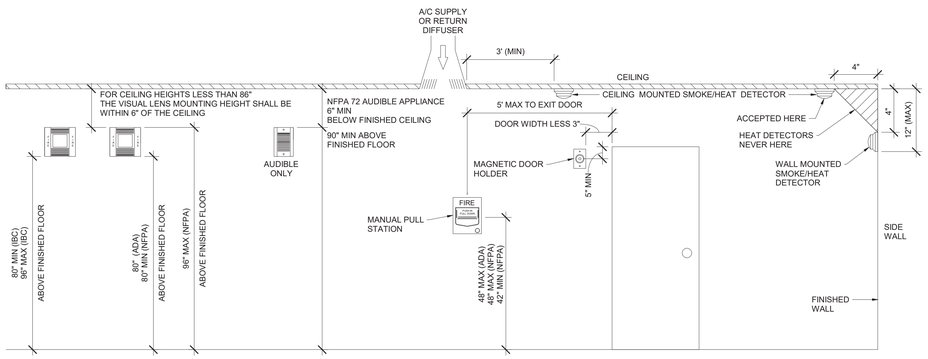


*NOTES:
1. PANIC HARDWARE SHALL ALWAYS REMAIN FULLY OPERATIONAL MANUALLY, NO MATTER WHAT THE STATUS OF ELECTRIC LATCH. SEE SPECIFICATION SECTION 087100 FOR FURTHER INFORMATION.
2. VIEW MAY BE MIRRORED

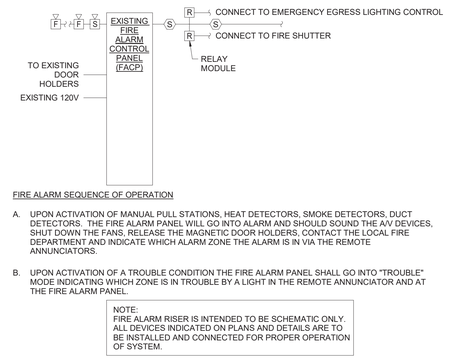
1 Door Configurations
NTS



*NOTE:
PANIC HARDWARE SHALL ALWAYS REMAIN FULLY OPERATIONAL MANUALLY, NO MATTER WHAT THE STATUS OF ELECTRIC LATCH. SEE SPECIFICATION SECTION 087100 FOR FURTHER INFORMATION.



6 Typical Mounting Heights
NTS



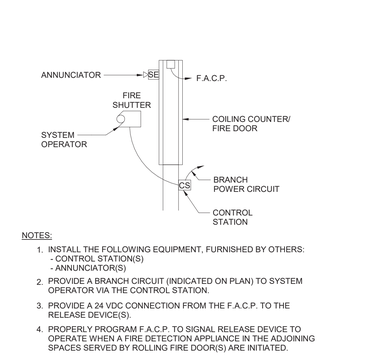
FIRE ALARM SEQUENCE OF OPERATION

A. UPON ACTIVATION OF MANUAL PULL STATIONS, HEAT DETECTORS, SMOKE DETECTORS, DUCT DETECTORS. THE FIRE ALARM PANEL WILL GO INTO ALARM AND SHOULD SOUND THE A/V DEVICES, SHUT DOWN THE FANS, RELEASE THE MAGNETIC DOOR HOLDERS, CONTACT THE LOCAL FIRE DEPARTMENT AND INDICATE WHICH ALARM ZONE THE ALARM IS IN VIA THE REMOTE ANNUNCIATORS.

B. UPON ACTIVATION OF A 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.

NOTE:
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.

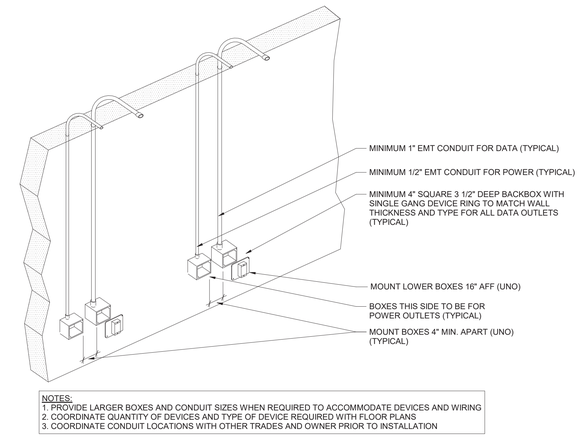
4 Fire Alarm System Wiring Diagram
NTS



NOTES:

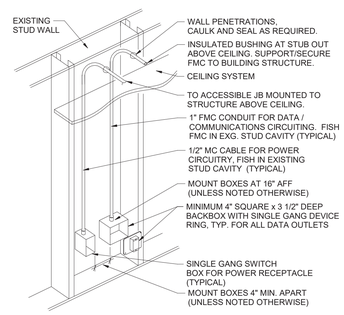
1. INSTALL THE FOLLOWING EQUIPMENT, FURNISHED BY OTHERS:
   - CONTROL STATION(S)
   - ANNUNCIATOR(S)
2. PROVIDE A BRANCH CIRCUIT (INDICATED ON PLAN) TO SYSTEM OPERATOR VIA THE CONTROL STATION.
3. PROVIDE A 24 VDC CONNECTION FROM THE F.A.C.P. TO THE RELEASE DEVICE(S).
4. PROPERLY PROGRAM F.A.C.P. TO SIGNAL RELEASE DEVICE TO OPERATE WHEN A FIRE DETECTION APPLIANCE IN THE ADJOINING SPACES SERVED BY ROLLING FIRE DOOR(S) ARE INITIATED.

2 Typical Coiling Door Wiring Schematic
NTS

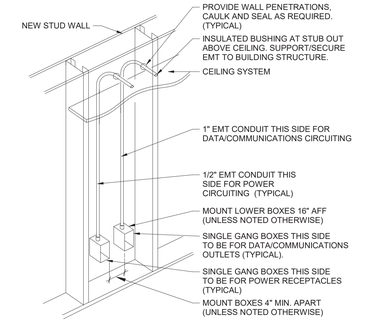


NOTES:
1. PROVIDE LARGER BOXES AND CONDUIT SIZES WHEN REQUIRED TO ACCOMMODATE DEVICES AND WIRING
2. COORDINATE QUANTITY OF DEVICES AND TYPE OF DEVICE REQUIRED WITH FLOOR PLANS
3. COORDINATE CONDUIT LOCATIONS WITH OTHER TRADES AND OWNER PRIOR TO INSTALLATION

7 Conduit/Backbox Installation Detail
NTS



5 Conduit/Backbox Installation Detail (in Existing Stud Wall)
NTS



3 Conduit/Backbox Installation Detail
NTS

S.E.D. Control No. 13-02-00-01-0-006-022

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TETRA TECH ARCHITECTS & ENGINEERS

Beacon City School District
Beacon, New York

Additions and Alterations to:
Glenham Elementary School

Details

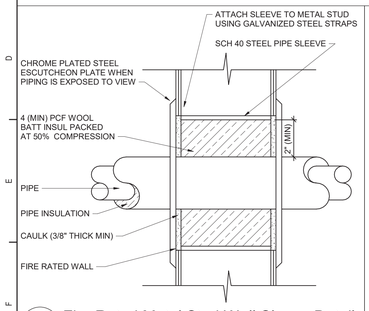
Drawn By:	Date:	Drawing Number:
SAS	10/28/2022	BE501
Project No.: 279180-22004		

Plumbing Fixture Schedule

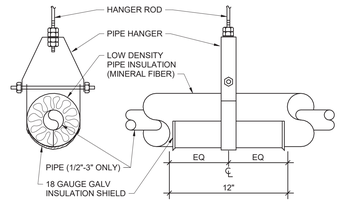
DWG LABEL	ROUGH-IN CONNECTION SIZE (INCHES)				BARRIER FREE	AGE GROUP	RIM HEIGHT	DESCRIPTION	NOTES
	SAN	VENT	CW	HW					
WC "A"	4	2	1	-	NO	ADULT	15"	VITREOUS CHINA, WALL MOUNTED WITH SUPPORT, TOP SPUD, MANUAL DUAL FLUSH VALVE AND SEAT.	1, 2
WC "B"	4	2	1	-	YES	ADULT	18"	ACCESSIBLE, VITREOUS CHINA, WALL MOUNTED WITH SUPPORT, TOP SPUD, MANUAL DUAL FLUSH VALVE AND SEAT.	1, 2
LAV "A"	1 1/2	1 1/2	1/2	1/2	NO	ADULT	31"	VITREOUS CHINA, WALL MOUNTED WITH MANUAL, HARD WIRED SENSOR FAUCET, SUPPLIES, TAILPIECE AND TRAP.	1, 2
LAV "B"	1 1/2	1 1/2	1/2	1/2	YES	ADULT	34"	ACCESSIBLE, VITREOUS CHINA, WALL MOUNTED WITH MANUAL, HARD WIRED SENSOR FAUCET, SUPPLIES, OFFSET TAILPIECE, TRAP, AND INSULATION KIT.	1, 2, 3
INT WH	-	-	3/4	-	-	-	-	CONCEALED OUTLET, SELF DRAINING MODERATE CLIMATE WALL HYDRANT.	

NOTES:

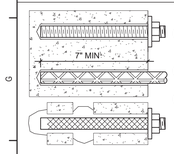
1. REFER TO TOILET ROOM PLANS ON ARCHITECTURE DRAWINGS FOR FIXTURE CENTERLINE DIMENSIONS.
2. SIZES INDICATED ARE MINIMUM. LARGER SIZES SPECIFICALLY INDICATED ON DRAWINGS SUPERCEDE MINIMUM SIZES INDICATED IN THIS SCHEDULE.
3. REFER TO DETAIL 8/ BP130 FOR ADDITIONAL INFORMATION.



6 Fire Rated Metal Stud Wall Sleeve Detail
NTS



4 Insulation Shield Detail
NTS



A THREADED ROD IN SOLID CONCRETE OR SOLIDLY GROUTED CONCRETE BLOCK 3/4" DIA ROD UNO

B REINFORCING BAR IN SOLID CONCRETE #6 BAR UNO

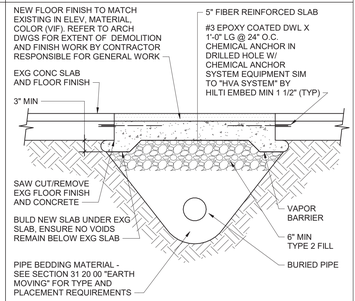
C REINFORCING BAR OR THREADED ROD IN HOLLOW MASONRY #6 BAR OR 3/4" DIA ROD - UNO. WITH 3/4" NOMINAL STAINLESS STEEL SCREEN TUBE

BAR/ROD SIZE	EMBEDMENT DEPTH
#4 OR 1/2"	5"
#5 OR 5/8"	6"
#6 OR 3/4"	7"
#7 OR 7/8"	8"
#8 OR 1"	9"

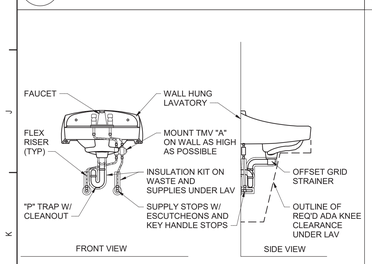
GENERAL NOTES:

1. FOR ACCEPTABLE ADHESIVE PRODUCTS REFER TO SPECIFICATIONS.
2. COMPLY WITH MANUFACTURERS REQUIREMENTS FOR INSTALLATION.

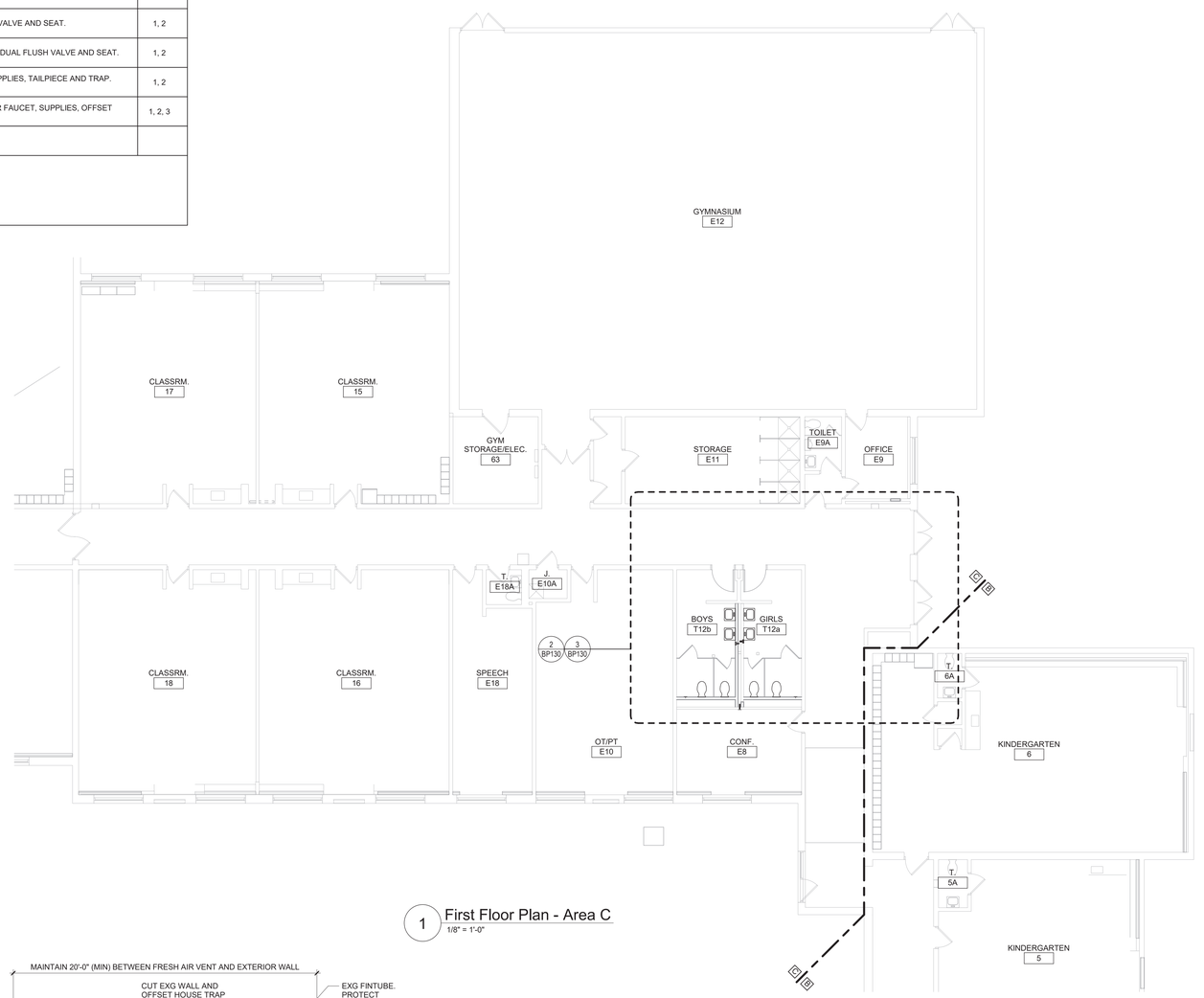
7 Typical Chemical Anchors
NTS



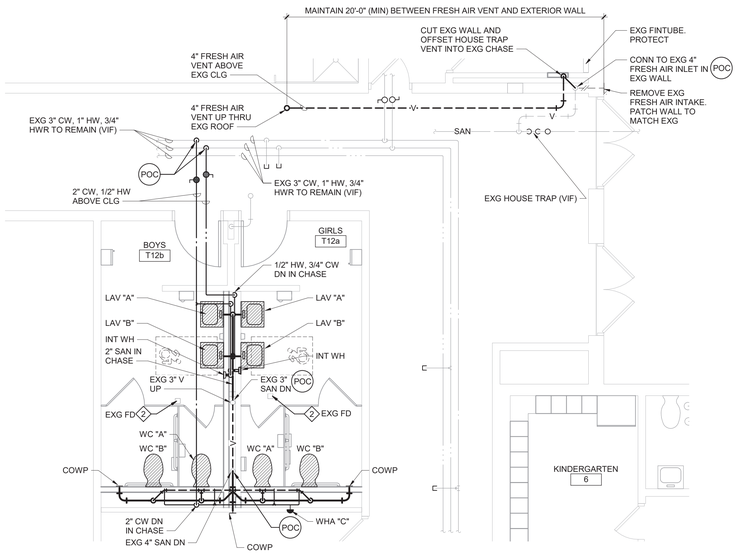
5 Trenching Below Existing Slab Detail
NTS



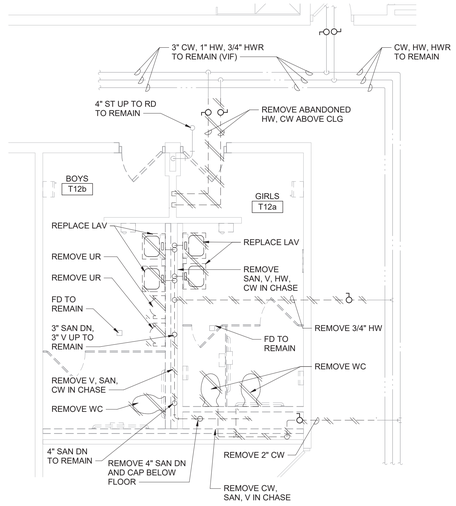
8 ADA Lavatory Rough-in Detail
NTS



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



3 Toilet Rooms T12a and T12b Plan
1/4" = 1'-0"



2 Toilet Rooms T12a and T12b Demolition Plan
1/4" = 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. PROVIDE THROUGH PENETRATION FIRESTOPPING FOR FIRE RATED WALLS AND FLOORS. PENETRATIONS THROUGH EXISTING WALLS AND FLOORS ARE CONSIDERED TWO-HOUR PARTITIONS UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO "A" SERIES OR CODE COMPLIANCE DRAWINGS FOR LOCATION OF FIRE RATED WALLS AND FLOORS.

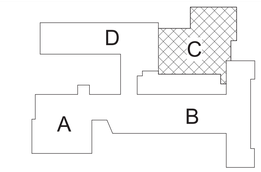
G. REMOVE PLUMBING FIXTURES INDICATED, INCLUDING ASSOCIATED PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

H. REPLACE OR RELOCATE PLUMBING FIXTURE 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. REFER TO "A" SERIES DWGS FOR EXACT LOCATION AND RIM ELEVATION OF NEW OR RELOCATED FIXTURES.

I. REMOVE ABANDONED ACCESSIBLE PIPING TO MAIN BRANCHES, STACKS OR RISERS AS REQUIRED TO ELIMINATE EXPOSED PIPING AND DEAD END PIPING RUNS LONGER THAN 1'-0". COORDINATE CONCEALMENT OF PIPING WITH FINAL CONSTRUCTION OF WALLS, FLOORS AND CEILINGS.

Plumbing Notes

1. WORK IS PART OF ALTERNATE NO 1.
2. REPLACE STRAINER ON EXISTING FLOOR DRAIN.



Key Plan
N.T.S.

S.E.D. Control No. 13-02-00-01-0-006-022

Rev. No.:	Date:	Description:

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Beacon, New York

Additions and Alterations to:
Glenham Elementary School

First Floor Plan - Area C, Details and Schedule

Drawn By:	Date:	Drawing Number:
GPD/ sef	10/28/2022	BP130

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