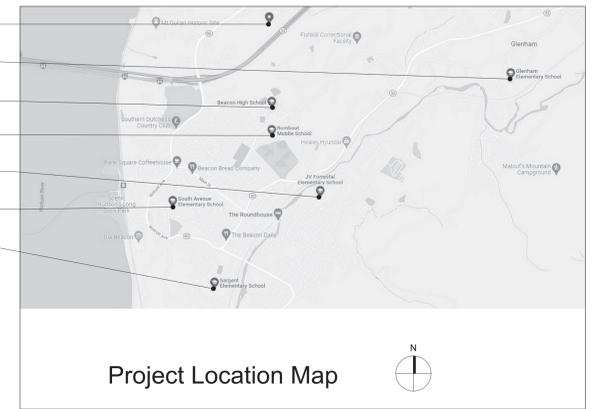


Reconstruction To:
 JV Forrestal Elementary School
 Sargent Elementary School
 South Ave Elementary School
 Rombout Middle School
 Beacon High School
 Bus Maintenance Facility
 Addition and Alteration to:
 Glenham Elementary School
 Beacon City School District
 Beacon, New York

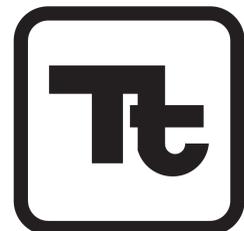
SED Control No. 13-02-00-01-0-002-021
 SED Control No. 13-02-00-01-0-008-020
 SED Control No. 13-02-00-01-0-003-016
 SED Control No. 13-02-00-01-0-004-023
 SED Control No. 13-02-00-01-0-020-012
 SED Control No. 13-02-00-01-5-018-006
 SED Control No. 13-02-00-01-0-006-022

BUS MAINTENANCE FACILITY
 GLENHAM ELEMENTARY SCHOOL
 BEACON HIGH SCHOOL
 ROMBOUT MIDDLE SCHOOL
 JV FORRESTAL ELEMENTARY SCHOOL
 SOUTH AVE ELEMENTARY SCHOOL
 SARGENT ELEMENTARY SCHOOL



Drawing List	Glenham Elementary School	Glenham Elementary School	South Ave Elementary School
GENERAL G001 Title Sheet G100 Symbols and Abbreviations	CODE COMPLIANCE BG350 Code Compliance Review and Key Plan	PLUMBING BP130 First Floor Plan - Area C, Details and Schedule	CODE COMPLIANCE DG350 Code Compliance Review DG351 Code Compliance Ground, First, and Second Floor Key Plans
JV Forrestal Elementary School CODE COMPLIANCE AG350 Code Compliance Review and Vintage Key Plan AG351 Code Compliance Ground and First Floor Key Plans	HAZARDOUS MATERIALS BH100 Asbestos Abatement		HAZARDOUS MATERIALS DH100 Asbestos Abatement
HAZARDOUS MATERIALS AH100 Asbestos Abatement Ground Floor Plan AH101 Asbestos Abatement First Floor Plan	ARCHITECTURAL BA100 First Floor Demolition Plan - Area A and C BA101 First Floor Demolition Plan - Area B BA102 First Floor Demolition Plan - Area D BA130 First Floor Plan - Area A and C BA131 First Floor Plan - Area B BA132 First Floor Plan - Area D BA160 First Floor Reflected Ceiling Plan - Area C BA161 First Floor Reflected Ceiling Plan - Area B BA400 Enlarged Vestibule Plans / Elevations / Sections BA401 Enlarged Toilet Room Plans / Interior Elevations BA500 Details BA600 Door Schedule, Door and Window Types, and Details BA900 Misc. Details	Sargent Elementary School CODE COMPLIANCE CG350 Code Compliance Review and Vintage Plan CG351 Code Compliance Basement, First and Second Floor Key Plans	ARCHITECTURAL DA100 Ground Floor Demolition Plans - Area A and B DA101 First Floor Demolition Plan - Area A and B DA102 Second Floor Demolition Plan - Area A and B DA130 Ground Floor Plan - Area A, Door Schedule, Door and Frame Types and Details DA131 First Floor Plan - Area A DA160 Reflected Ceiling Plans
ARCHITECTURAL AA100 Ground Floor Demolition Plans - Area A and B AA101 Ground Floor Demolition Plan - Area C AA102 First Floor Demolition Plan AA130 Ground Floor Plans - Area A and B AA131 Ground Floor Plan - Area C and Ground Floor Reflected Ceiling Plan - Partial Area C AA132 First Floor Plan AA940 Details	STRUCTURAL BS130 Partial Foundation and Framing Plan - Area B BS500 Typical Details BS600 Notes and Schedules	ARCHITECTURAL CA100 Basement Demolition Plan - Area A CA101 First Floor Demolition Plan - Area A CA130 Basement Plan - Area A CA131 First Floor Plan - Area A CA132 Second Floor Plan CA161 First Floor Reflected Ceiling Plan - Area A CA400 Enlarged Plans / Interior Elevations CA401 Enlarged Stair Plans, Sections, and Details CA600 Door Schedule, Door and Window Types, and Details CA750 Miscellaneous Details CA900 Details	MECHANICAL DM050 Ground Floor Floor Key, Demolition and Floor Plans DM500 Details, Schedules and Controls
MECHANICAL AM050 Key Plans AM100 Ground Floor Plans - Area A AM101 Ground Floor Plans - Area B AM102 Ground Floor Plans - Area C AM103 First Floor Demolition Plan - Area A AM104 First Floor Plan - Area A AM500 Details and Controls AM600 Schedules	MECHANICAL BM051 First Floor Key Plan BM100 First Floor Demolition Plans - Partial Area A and Area B BM101 First Floor Demolition Plans - Area C and Partial Area D BM130 First Floor Plans - Partial Area A and Area B BM131 First Floor Plan - Area C and Partial Area D BM500 Details and Controls BM600 Schedules, Details and Controls	MECHANICAL CM050 Key Plans CM100 Partial Plans CM500 Details, Schedules and Controls	ELECTRICAL DE001 Electrical Site Plan DE100 Ground Floor Demolition Plan - Areas A and B DE101 First Floor Demolition Plan - Areas A and B DE102 Second Floor Demolition Plan DE130 Ground Floor Floor Lighting Plan - Areas A and B DE131 First Floor Lighting Plan - Area A DE132 Second Floor Lighting Plan DE500 Details
ELECTRICAL AE100 Ground Floor Plans - Area A AE101 Ground Floor Plans - Area B AE102 Ground Floor Plans - Area C AE103 First Floor Demolition Plan - Area A AE104 First Floor Power Plan - Area A	ELECTRICAL BE100 First Floor Demolition Plan - Areas A and C BE101 First Floor Demolition Plan - Area B BE102 First Floor Demolition Plan - Area D BE130 First Floor Lighting and Power Plan - Areas A and C BE131 First Floor Lighting and Power Plan - Area B BE132 First Floor Lighting and Power Plan - Area D BE500 Details BE501 Details	ELECTRICAL CE050 Key Plans CE100 Partial Plans CE500 Details CE501 Details	PLUMBING DP130 First Floor Plan - Area A, Details and Schedule
PLUMBING AP130 First Floor Plan - Area A, Details, and Schedule		PLUMBING CP130 Basement Floor Plan - Area A, Details and Schedule CP131 First Floor Plan - Area A and Schedule	

Drawn By: TTAE	Date: 10/28/2022	Drawing Number: AA130
Project No.: 279180-22004		
BUILDING DESIGNATOR	↑	
DISCIPLINE DESIGNATOR	↑	
SHEET TYPE DESIGNATOR	↑	
SHEET SEQUENCE DESIGNATOR	↑	



TETRA TECH
 ARCHITECTS & ENGINEERS

Architecture Engineering Planning
 & High Performance Facilities



Site Symbols

83.36	SPOT ELEVATION
99.50 TC	TOP OF CURB ELEVATION
99.00 BC	BOTTOM OF CURB ELEVATION
83.36	EXISTING SPOT ELEVATION
136	CONTOUR
136	EXISTING CONTOUR
136	SOIL TEST BORING
TP-1	TEST PIT LOCATION
	TREE OR SHRUB
	TREE OR SHRUB TO REMAIN
	TREE OR SHRUB TO BE REMOVED
	ASPHALT PAVING OR TOP COURSE
	HEAVY-DUTY ASPHALT PAVING
	REMOVE AND REPLACE ASPHALT PAVING
	CONCRETE PAVING
	CONCRETE SECTION
	CURBING
	CURBING TO REMAIN
	CURBING TO BE REMOVED
	FENCING
	FENCING TO REMAIN
	FENCING TO BE REMOVED
	SILT FENCING
	TEMPORARY CONSTRUCTION FENCING
	HAY BALES
	UTILITY POLE
	UTILITY POLE TO REMAIN
	UTILITY POLE TO BE REMOVED
	NEW OR RELOCATED FIRE HYDRANT
	FIRE HYDRANT TO REMAIN
	DROP INLET
	CATCH BASIN
	STORM/SANITARY MANHOLE
	DROP INLET TO REMAIN
	MANHOLE/CATCH BASIN DRYWELL TO REMAIN
	DRYWELL W/ GRISS
	DRYWELL W/ SOLID COVER TO GRADE
	DRYWELL W/ COVER BURIED
	STORM LINE WITH HEADWALL
	STORM LINE WITH ENDWALL
	STORM LINE WITH END SECTION
	STORM PIPE
	STORM PIPE TO REMAIN
	STORM PIPE TO BE REMOVED/ABANDONED
	UNDERDRAIN
	UNDERDRAIN TO REMAIN
	UNDERDRAIN TO BE REMOVED/ABANDONED
	SANITARY LINE
	SANITARY LINE TO REMAIN
	SANITARY LINE TO BE REMOVED/ABANDONED
	GAS LINE
	GAS LINE TO REMAIN
	GAS LINE TO BE REMOVED/ABANDONED
	WATER LINE
	WATER LINE TO REMAIN
	WATER LINE TO BE REMOVED/ABANDONED
	STORM/SANITARY CLEANOUT
	GATE VALVE
	SIGN POST
	UNIVERSAL HANDICAP SYMBOL
	REMOVAL
	RIP-RAP

Architectural Symbols

	EXISTING TO REMAIN
	DEMOLITION WORK
	NEW WORK IN EXISTING (MATERIAL INDICATION VARIES)
	NEW WORK (MATERIAL INDICATION VARIES)
	CMU AND BRICK CAVITY WALL
	CMU WALL
	GYPSUM BOARD PARTITION W/ METAL STUD WALL
	OPERABLE PARTITION
100	DOOR NUMBER (ROOM NO W/ DOOR NO.)
A	WINDOW TYPE
100	RELOCATED EQUIPMENT FURNITURE OR CASEWORK NUMBER
P3.8	PARTITION TYPE
MG	BOARD UNIT SYMBOL
	FINISH CHANGE
	ROOF SYMBOLS
	AREA OF TAPERED INSULATION
	EXISTING ROOF DRAIN WITH RETROFIT ROOF DRAIN INSERT IN NEW FACTORY-TAPERED SUMP
	EJC/CONTROL JOINT
	TAPERED 1/4" FT DIRECTION OF DOWNWARD SLOPE AND DEGREE OF SLOPE OF TAPERED INSULATION (MINIMUM 1/8" FT, TYP UNO)
	DIRECTION OF DOWNWARD SLOPE OF TAPERED INSULATION (CRICKET (MINIMUM 1/4" FT, TYP UNO))
	DIRECTION OF DOWNWARD SLOPE OF ROLLED OR SLOPED STRUCTURE
	TOTAL THICKNESS OF INSULATION
	+X" FLAT
	DESIGNATES ROOF SYSTEM TYPE
	WALKWAY PAD
	SKYLIGHT (REINSTALLED OR REPLACED)
	SMOKE VENT OR ROOF HATCH
	PIPE PENETRATION
	ROOFTOP HOOD ON CURB, TYP (SHAPE AND SIZE VARY)
	ROOFTOP EQUIPMENT ON CURB, TYP (SHAPE AND SIZE VARY)
	REFLECTED CEILING SYMBOLS
	CEILING MATERIAL
	CEILING HUNG UNIT VENTILATOR OR CEILING HUNG FAN COOL UNIT
	CEILING RETURN/EXHAUST GRILLE
	CEILING SUPPLY DIFFUSER/GRILLE
	EXIT LIGHT
	2 X 4 FIXTURE IN 2 X 2 PATTERN

Structural Symbols

	INDICATES AREA IS EXISTING
	INDICATES SLAB IS DEPRESSED OR RECESSED
	TOP OF FTG. ELEVATION FROM DATUM CONTINUOUS FTG
	FOUNDATION WALL
	BM POCKET ELEVATION FROM DATUM
	STEPPED FOOTING
	INDICATES PIER TYPE
	TOP OF PIER ELEVATION FROM DATUM
	TOP OF FOOTING ELEVATION FROM DATUM
	INDICATES FOOTING TYPE REFER TO FOOTING SCHEDULE
	INDICATES A FRAMED ROOF OR FLOOR OPENING COORD. SIZE AND LOCATION
	INDICATES FRAMED OPENING FOR: RD = ROOF DRAIN ME = MECH EQUIP SL = SKYLIGHT SH = SMOKE HATCH AH = ACCESS HATCH
	ELEVATION FROM DRAWING DATUM
	BEAM SIZE
	NUMBER OF SHEAR STUDS OVER FULL LENGTH OF BEAM
	END REACTION-KIPS
	DEFLECTION (INCHES) APPROX W/ NET CONC
	LINTEL DESIGNATION SEE SCHEDULE
	INDICATES LINTEL CONNECTION TO COLUMN
	INDICATES MEMBER IS EXISTING
	INDICATES BEAM SPICE
	INDICATES MOMENT CONNECTION
	OVER COLUMN
	INDICATES SHEAR WALL CONNECTION TO BEAM
	INDICATES MEMBRANE
	INDICATES BM TO HAVE TOP OF WALL CLIPS
	JOIST DESIGNATION
	INDICATES BEAM FINISHES
	JOIST
	DIAGONAL BRIDGING
	MASONRY LOAD BEARING WALL
	SHEAR WALL SEE SCHEDULE
	CFMF BEARING WALL
	FIREWALL
	WALL TYPE
	DIAGONAL BRIDGING

Mechanical Symbols

TAG NO. VALUE	EQUIPMENT TAG (NON-MOTORIZED)
TAG NO. VALUE	EQUIPMENT TAG (MOTORIZED)
TAG NO. NECK SZ. GPM	REGISTER, GRILLE, DIFFUSER
FTR-TYPE	FIN TUBE RADIATION
ENC. LENGTH ELEM. LENGTH GPM	ENCLOSURE NOTED AS: WW: WALL TO WALL, WU: WALL TO UNIT, WD: WALL TO DOOR, ETC...
	RECTANGULAR ELBOW TURNING VANES
	RECTANGULAR ELBOW
	ROUND DUCTWORK W/ MITERED ELBOW
	RADIUS ELBOW W/ TURNING/SPLITTER VANES
	RADIUS ELBOW
	STANDARD BRANCH DUCT VOLUME DAMPER
	ACOUSTICALLY LINED DUCTWORK
	ACOUSTICALLY LINED DUCTWORK (UP/DOWN)
	FLEXIBLE DUCT
	VOLUME DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	FIRE AND SMOKE DAMPER
	AUTOMATIC AIR DAMPER
	BACKDRAFT DAMPER
	AIR FLOW
	DUCT AIR FLOW
	EXISTING MECHANICAL EQUIPMENT TO BE REMOVED
	EXISTING MECHANICAL EQUIPMENT
	MECHANICAL EQUIPMENT
	ACCESS CLEARANCE
	INDICATES AREA IS EXISTING
	INDICATES SLAB IS DEPRESSED OR RECESSED
	TOP OF FTG. ELEVATION FROM DATUM CONTINUOUS FTG
	FOUNDATION WALL
	BM POCKET ELEVATION FROM DATUM
	STEPPED FOOTING
	INDICATES PIER TYPE
	TOP OF PIER ELEVATION FROM DATUM
	TOP OF FOOTING ELEVATION FROM DATUM
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	INDICATES BM TO HAVE TOP OF WALL CLIPS
	JOIST DESIGNATION
	INDICATES BEAM FINISHES
	JOIST
	DIAGONAL BRIDGING
	MASONRY LOAD BEARING WALL
	SHEAR WALL SEE SCHEDULE
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	FIREWALL
	WALL TYPE
	DIAGONAL BRIDGING

Mechanical Symbols

ATV	ATMOSPHERIC VENT
BBD	BOILER BLOW DOWN
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
CGL	CHILLED GLYCOL SUPPLY
CGR	CHILLED GLYCOL RETURN
CD	CONDENSATE DRAIN
CR	CONDENSATE WATER SUPPLY
CC	CONDENSATE WATER RETURN
GS	GLYCOL SUPPLY
GR	GLYCOL RETURN
HGS	HOT GLYCOL SUPPLY
HGR	HOT GLYCOL RETURN
HPWS	HEAT PUMP SUPPLY
HPWR	HEAT PUMP RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
HCS	HOT/CHILLED WATER SUPPLY
HCR	HOT/CHILLED WATER RETURN
LPS	LOW PRESSURE STEAM
LPC	LOW PRESSURE CONDENSATE
LPWC	LOW PRESSURE STEAM W/ FLOODED CONDENSATE
MU	MECHANICAL EQUIPMENT MAKE-UP COLD WATER(NON-POTABLE)
RS	REFRIGERANT SUCTION
RL	REFRIGERANT LIQUID
HG	REFRIGERANT HOT GAS
PC	PUMP DISCHARGE
EXG	EXISTING HVAC PIPE
C	BOTTOM PIPE CONNECTION
CT	TOP PIPE CONNECTION
PE	PIPE ELBOW DOWN
PO	PIPE ELBOW UP
CD	PIPE DOWN WITH CLEANOUT AT BASE
CP	PIPE DOWN WITH SHUTOFF VALVE
UP	PIPE UP
UN	UNION CONNECTION
FL	FLANGE CONNECTION
PR	PIPING REDUCER (CONCENTRIC)
PE	PIPING REDUCER (ECCENTRIC)
PI	PIPE ANCHOR
EX	EXPANSION COMPENSATOR
EXJ	EXPANSION JOINT
FC	FLEX CONNECTOR
PR	TEMPERATURE OR PRESSURE PROBE WELL
TR	THERMOMETER
PS	PRESSURE SWITCH
PG	PRESSURE GAUGE
TP	TEMPERATURE/PRESSURE GAUGE
AV	MANUAL AIR VENT
AV	AUTOMATIC AIR VENT
SV	STEAM VENT
VB	VACUUM BREAKER
VS	VOLUME SWITCH
FM	FLOW METER
OR	ORIFICE METER
VM	VENTURI FLOW METER
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Electrical and Technology Symbols

#	LIGHT FIXTURE # DENOTES TYPE
#	RETROFIT LIGHT FIXTURE AS NOTED
#	COMBINATION EXTINGEMERGENCY LIGHT # DENOTES TYPE
#	EMERGENCY LIGHT W/BATTERY PACK # DENOTES TYPE
#	EMER LIGHT/WALL MOUNT # DENOTES TYPE
#	EMERGENCY FIXTURE # DENOTES TYPE
#	EXIT LIGHT, CEILING MOUNTED # DENOTES TYPE
#	EXIT LIGHT - WALL MOUNTED # DENOTES TYPE
#	DAYLIGHT SENSOR
#	AREA OF RESCUE LIGHT FIXTURE # DENOTES TYPE
#	POLE MOUNTED SITE LIGHT # DENOTES TYPE
#	LIGHT SWITCH (LINE VOLTAGE) K - KEY OPERATED 3 - 3 WAY 4 - 4 WAY
#	LOW VOLTAGE LIGHTING CONTROL
#	EMERGENCY SHUNT RELAY
#	OCCUPANCY SENSOR
#	VACUANCY SENSOR
#	PHOTO CELL
#	LIGHTING CONTROL
#	FIRE ALARM MANUAL PULL STATION
#	FIRE ALARM BELL - W/STROBE: W/O STROBE
#	FIRE ALARM HORN - W/STROBE: W/O STROBE
#	BEAM SMOKE DETECTOR
#	DUCT SMOKE DETECTOR
#	RATE OF RISE HEAT DETECTOR
#	FIXED HEAT DETECTOR
#	FIRE ALARM STROBE LIGHT
#	MAGNETIC DOOR HOLDER
#	FIRE ALARM /VOICE NOTIFICATION SPEAKER (WALL)
#	FIRE ALARM /VOICE NOTIFICATION SPEAKER (CEILING)
#	FIRE ALARM /VOICE NOTIFICATION SPEAKER (WALL)
#	RELAY
#	REMOTE INDICATOR TEST SWITCH
#	SPRINKLER FLOW SWITCH
#	TEMPERATURE TAMPER SWITCH
#	FIRE ALARM ANNUNCIATOR PANEL
#	FIRE ALARM CONTROL PANEL
#	FIRE ALARM GRAPHIC ANNUNCIATOR
#	CONTROL STATION TYPE AS DESCRIBED ON DWGS
#	HOUSE LIGHTING CONTROL STATION
#	DIMMER CONTROL OUTLET
#	AREA OF RESCUE STATION
#	MICROPHONE JACK
#	SPEAKER JACK
#	HOUSE LIGHT PANIC STATION
#	AUDITORIUM INTERCOM
#	COMBINATION CLOCK/SPEAKER
#	TELEPHONE
#	WIRELESS ACCESS POINT
#	COMPUTER OUTLET
#	AUDIO/VIDEO OUTLET
#	PROJECTOR MOUNTING TIE
#	RECESSED SPRINKLER HEAD
#	UPRIGHT SPRINKLER HEAD
#	PLUMBING FIXTURE TO BE REMOVED
#	PLUMBING FIXTURE
#	FLOOR DRAINS
#	FLOOR SINK
#	WALL HYDRANT
#	FIRE HOSE CABINET
#	SCUPPER DRAIN
#	EXISTING TELEPHONE
#	TELEPHONE OUTLET
#	WALL MOUNT AT 84" AFF
#	IC - INTERCOM SOUND SYSTEM HAND SET
#	BLANK - WALL MOUNT AT 16" AFF
#	INTERCOM CALL SWITCH
#	TELEVISION OUTLET
#	WIRELESS ACCESS POINT
#	COMPUTER OUTLET
#	AUDIO/VIDEO OUTLET
#	PROJECTOR MOUNTING TIE
#	RECESSED SPRINKLER HEAD
#	UPRIGHT SPRINKLER HEAD
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#	FLOOR DRAINS
#	FLOOR SINK
#	WALL HYDRANT
#	FIRE HOSE CABINET
#	SCUPPER DRAIN
#	EXISTING TELEPHONE
#	TELEPHONE OUTLET
#	WALL MOUNT AT 84" AFF
#	IC - INTERCOM SOUND SYSTEM HAND SET
#	BLANK - WALL MOUNT AT 16" AFF
#	INTERCOM CALL SWITCH
#	TELEVISION OUTLET
#	WIRELESS ACCESS POINT
#	COMPUTER OUTLET
#	AUDIO/VIDEO OUTLET
#	