



TETRA TECH
ARCHITECTS & ENGINEERS

SED NO. 13-02-00-01-0-002-021
13-02-00-01-0-008-020
13-02-00-01-0-003-016
13-02-00-01-0-004-023
13-02-00-01-0-020-012
13-02-00-01-0-006-022

500 Bi-County Blvd, Suite 104
Farmingdale, New York 11735
631-847-7762

VOLUME 2

Farmingdale, New York

Albany, New York

Ithaca, New York

BEACON CITY SCHOOL DISTRICT

BEACON, NEW YORK

PROJECT NO. 279180-22004

RECONSTRUCTION TO
JV FORRESTAL ELEMENTARY SCHOOL
SARGENT ELEMENTARY SCHOOL
SOUTH AVE ELEMENTARY SCHOOL
ROMBOUT MIDDLE SCHOOL
BEACON HIGH SCHOOL

ADDITIONS AND ALTERATIONS TO
GLENHAM ELEMENTARY SCHOOL

OCTOBER 28, 2022

The engineer that has signed this document certifies that to the best of their knowledge, information and belief, the asbestos plans and specifications are in accordance with applicable requirements of the New York State Uniform Fire Prevention and Building Code, Construction Standards of the Commissioner of Education, New York State Department of Labor Part 56 of Title 12, and the United States Environmental Protection Agency Hazard Emergency Response ACT Regulations. Anthony Nicholas Meluso is accredited to the EPA and New York State under AHERA Regulations as an Asbestos Project Designer (Asbestos Handling Certificate Number 067937).

To the best of the Architect's knowledge, information and belief, the design of this project conforms to all applicable provisions of the New York State Uniform Fire Prevention and Building Code, the New York State Energy Conservation Construction Code, and the building standards of the New York State Education Department.

SET NO. _____

BID

TABLE OF CONTENTS**PROJECT MANUAL**

Volume 2 of 2

BIDDING REQUIREMENTS AND CONDITIONS OF THE CONTRACT

00 01 10 Table of Contents	1-2
----------------------------------	-----

PLEASE NOTE

All sections of the following **SPECIFICATIONS** are sequentially numbered, beginning with Page 1 and concluding with the last numbered page bearing the marking "END OF SECTION -- -- --".

Sections may include additional attachments as noted in following list of Specification sections.

SPECIFICATIONS**SECTION TITLE****DIVISION 22 – PLUMBING**

22 05 00	Common Work Results for Plumbing
22 05 17	Sleeves and Sleeve Seals for Plumbing Piping
22 05 18	Escutcheons for Plumbing Piping
22 05 19	Meters and Gauges for Plumbing Piping
22 05 23	General Duty Valves for Plumbing Piping
22 05 29	Hangers and Supports for Plumbing Piping and Equipment
22 05 53	Identification for Plumbing Piping and Equipment
22 07 19	Plumbing Piping Insulation
22 11 16	Domestic Water Piping
22 11 19	Domestic Water Piping Specialties
22 12 23	Indoor Potable-Water Storage Tanks
22 13 16	Sanitary Waste and Vent Piping
22 13 19	Sanitary Waste Piping Specialties
22 42 13.13	Commercial Water Closets
22 42 16.13	Commercial Lavatories
22 42 16.16	Commercial Sinks

SECTION TITLE

22 47 16	Pressure Water Coolers
22 66 00	Chemical-Waste Systems for Laboratory Facilities

DIVISION 23 – HEATING, VENTILATING, AND AIR CONDITIONING

23 05 00	Common Work Results for HVAC
23 05 13	Common Electrical Requirements for HVAC Equipment
23 05 19	Meters and Gauges for HVAC Systems
23 05 23	General Duty Valves for HVAC Piping
23 05 29	Hangers and Supports for HVAC Components
23 05 43	Mechanical Vibration and Movement Control
23 05 53	Identification for HVAC Components
23 05 93	Testing, Adjusting, and Balancing for HVAC
23 07 00	HVAC Insulation
23 08 00	Commissioning of HVAC

SECTION TITLE

- 23 09 00 Instrumentation and Control for HVAC
- 23 21 13 Hydronic Piping
- 23 22 13 Steam and Condensate Heating Piping
- 23 29 00 Variable Frequency Motor Controllers
- 23 31 00 Ductwork
- 23 33 00 Air Duct Accessories
- 23 34 00 HVAC Fans
- 23 37 00 Air Outlets and Inlets
- 23 74 00 Packaged, Outdoor, Central-Station Air-Handling Units
- 23 82 00 Terminal Heating and Cooling Units

DIVISION 26 – ELECTRICAL

- 26 05 00 Common Work Results for Electrical
- 26 05 01 Hazardous Material Disposal
- 26 05 19 Low-Voltage Electrical Power Conductors and Cables
- 26 05 26 Grounding and Bonding for Electrical Systems
- 26 05 29 Hangers and Supports for Electrical Systems
- 26 05 33 Raceway and Boxes for Electrical Systems
- 26 05 44 Sleeves and Sleeve Seals for Electrical Raceways and Cabling
- 26 05 53 Identification for Electrical Systems
- 26 08 00 Commissioning of Electrical
- 26 09 23 Lighting Control Devices
- 26 24 16 Panelboards
- 26 27 26 Wiring Devices
- 26 51 00 Interior Lighting
- 26 56 00 LED Exterior Lighting

DIVISION 27 – COMMUNICATIONS

- 27 15 00 Communications Horizontal Cabling

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

- 28 31 11 Digital, Addressable Fire-Alarm Voice Notification System

DIVISION 31 – EARTHWORK

- 31 10 00 Site Clearing
- 31 20 00 Earth Moving and Borings (with attachment))
- 31 25 00 Erosion and Sedimentation Controls (SPDES)

SECTION TITLE

DIVISION 32 – EXTERIOR IMPROVEMENTS

- 32 13 13 Concrete Paving
- 32 92 00 Turf and Grasses
- 32 93 00 Plants

DIVISION 33 – UTILITIES

- 33 41 00 Storm Utility Drainage Piping