



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

## BEACON CITY SCHOOL DISTRICT

BEACON, NEW YORK

Farmingdale, New York

Albany, New York

Ithaca, 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**

<u>SECTION TITLE</u>	<u>SECTION TITLE</u>
<b><u>DIVISION 22 – PLUMBING</u></b>	22 47 16 Pressure Water Coolers
22 05 00 Common Work Results for Plumbing	22 66 00 Chemical-Waste Systems for Laboratory Facilities
22 05 17 Sleeves and Sleeve Seals for Plumbing Piping	<b><u>DIVISION 23 – HEATING, VENTILATING, AND AIR CONDITIONING</u></b>
22 05 18 Escutcheons for Plumbing Piping	23 05 00 Common Work Results for HVAC
22 05 19 Meters and Gauges for Plumbing Piping	23 05 13 Common Electrical Requirements for HVAC Equipment
22 05 23 General Duty Valves for Plumbing Piping	23 05 19 Meters and Gauges for HVAC Systems
22 05 29 Hangers and Supports for Plumbing Piping and Equipment	23 05 23 General Duty Valves for HVAC Piping
22 05 53 Identification for Plumbing Piping and Equipment	23 05 29 Hangers and Supports for HVAC Components
22 07 19 Plumbing Piping Insulation	23 05 43 Mechanical Vibration and Movement Control
22 11 16 Domestic Water Piping	23 05 53 Identification for HVAC Components
22 11 19 Domestic Water Piping Specialties	23 05 93 Testing, Adjusting, and Balancing for HVAC
22 12 23 Indoor Potable-Water Storage Tanks	23 07 00 HVAC Insulation
22 13 16 Sanitary Waste and Vent Piping	23 08 00 Commissioning of HVAC
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

- 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