

Project Manual

DRA Project No. 20210.00

STATE PROJECT NUMBER: 056-0052 A

Granby Public Schools

Granby Memorial High School Renovations

315 Salmon Brook Street, Granby, Connecticut

Bid Documents

AWARDING AUTHORITY

Town of Granby acting through and by BOARD OF EDUCATION



ARCHITECT HEV DOSANE ANDERSON, INC.

DRUMMEY ROSANE ANDERSON, INC.

225 Oakland Road South Windsor, CT 06074



January 7, 2022

GRANBY, CT

PROJECT MANUAL TABLE OF CONTENTS

PROCUREMENT AND CONTRACTING GROUP

DIVISION 00 - BIDDING REQUIREMENTS, CONTRACT FORMS AND CONDITIONS OF THE CONTRACT

SPECIFICATION GROUP

00 01 03	Project Directory
00 02 00	Drawing Index
00 11 16	Invitation to Bid
00 41 13	Bid Form
00 45 14	Bidder Qualifications
00 52 13	AIA 101-2017 Form of Contract
00 52 13A	AIA 101-2017 Exhibit A – Insurance Requirements
00 72 13	AIA 201-2017 General Conditions
00 73 43	Wage Rate Requirements

GENERAL REQUIREMENT SUBGROUP

DIVISION 01 - GENERAL REQUIREMENTS

01 11 00	Summary of Work
01 31 13	Project Coordination
01 31 19	Project Meetings
01 33 00	Submittal Procedures
01 42 20	Reference Standards and Definitions
01 45 00	Quality Control
01 45 29	Testing Laboratory Services
01 60 00	Product Requirements
01 73 00	Execution Requirements
01 73 29	Cutting and Patching
01 74 19	Construction Waste Management & Disposal
01 77 00	Closeout Procedures
01 78 23	Operation and Maintenance Data
01 78 30	Warranties and Bonds

DIVISION 02 - EXISTING CONDITIONS

02 41 19 Selective Demolition

FACILITY CONSTRUCTION SUBGROUP

DIVISION 03 - CONCRETE

03 30 00 Cast-In-Place Concrete

DIVISION 05 - METALS		
05 40 00	Cold Formed Metal Framing	
05 50 00	Metal Fabrications	
05 51 00	Metal Stairs and Railings	

DIVISION 06 - WOOD AND PLASTICS

06 10 00 Rough Carpentry

GRANBY, CT

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

07 21 00 Building Insulation 07 90 00 Joint Sealers

DIVISION 08 - DOORS AND WINDOWS

08 11 13	Steel Doors and Frames
08 14 16	Flush Wood Doors
08 71 00	Door Hardware
08 80 50	Fire Rated Glazed Assemblies
08 81 00	Glass and Glazing

DIVISION 09 - FINISHES

D11101011 00	1 111101120
09 22 00	Metal Support Assemblies
09 29 00	Gypsum Board
09 30 13	Ceramic Tile
09 51 00	Acoustical Ceilings
09 65 10	Resilient Flooring and Accessories
09 67 23	Resinous Flooring
09 72 00	Wall Coverings
09 77 03	Fiberglass Reinforced Plastic Wall Panels
09 84 13	Fabric Wrapped Acoustical Wall Panels
09 91 00	Painting

DIVISION 10 - SPECIALTIES

10 26 00	Wall and Corner Protection
10 28 13	Toilet Accessories

DIVISION 11 - EQUIPMENT

11 40 00 Food Service Equipment

DIVISION 12 - FURNISHINGS

Not in Scope

DIVISION 13 - SPECIAL CONSTRUCTION

Not in Scope

DIVISION 14 - CONVEYING SYSTEMS

Not in Scope

FACILITY SERVICES SUBGROUP

DIVISION 21 - FIRE SUPPRESSION

21 13 13 Wet-Pipe Sprinkler Systems

DIVISION 22 - PLUMBING

22 04 00	General Conditions for Plumbing Trades
22 05 17	Sleeves and Sleeve Seals 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 00	Plumbing Insulation
22 10 05	Plumbing Piping
22 40 00	Plumbing Fixtures
22 05 53 22 07 00 22 10 05	Identification for Plumbing Piping and Equipment Plumbing Insulation Plumbing Piping

GRANBY, CT

DIVISION 23 - I	HEATING, VENTILATING AND AIR CONDITIONING	
23 04 00	General Conditions for Mechanical Trades	
23 05 16	Expansion Fittings and Loops for HVAC Piping	
23 05 17	Sleeves and Sleeves for HVAC Piping	
23 05 23	General Duty Valves for HVAC Piping	
23 05 29	Hangers and Support for HVAC Piping and Equipment	
23 05 48	Vibration and Seismic Controls for HVAC Piping and Equipment	
23 05 53	Identification for HVAC Piping and Equipment	
23 05 93	Testing, Adjusting and Balancing for HVAC	
23 07 00	HVAC Insulation	
23 09 00	Instrumentation and Controls for HVAC	
23 09 95	Variable Frequency Controllers	
23 21 13	Hydronic Piping	
23 21 14	Hydronic Specialties	
23 31 00	HVAC Ducts and Casings	
23 33 00	Air Duct Accessories	
23 34 00	Centrifugal HVAC Fans	
23 37 00	Air Outlets and Inlets	
23 82 00	Convection Heating Units	
DIVISION 26 - I	EL ECTRICAL	
26 04 00	General Conditions for Electrical Trades	
26 05 01	Electrical Demolition	
26 05 03	Equipment Wiring Connections	
26 05 19	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 34	Floor Boxes	
26 05 53	Identification for Electrical Systems	
26 09 23	Lighting Control Devices	
26 24 16	Panelboards	
26 27 26	Wiring Devices	
26 29 14	Emergency Shutoff Management Systems	
26 51 00	Lighting	
DIVISION 27 -		
27 05 29	Hangers and Supports for Communications Systems	
27 05 33	Raceway and Boxes for Communications Systems	
27 05 53	Identification for Communications Systems	
27 10 00	Structured Cabling	
27 41 00	Audio-Video Systems	
27 51 16	Public Address System	
27 53 13	Clock Systems	
DIVISION 28 - SECURITY		
28 13 00	Access Control	
28 31 00	Fire Detection and Alarm	

TABLE OF CONTENTS PAGE 3 PROJECT NO. 056-0052 A / 01/07/2022

GRANBY, CT

SITE AND INFRASTRUCTURE SUBGROUP

DIVISION 31 - EARTHWORK

31 20 00 Earthwork & Retaining Wall

DIVISION 32 - EXTERIOR IMPROVEMENTS

DIVIOIOI 02	EXTERNOL IIII NO LINEIN I
32 13 13	Concrete Paving
32 13 73	Concrete Paving Joint Sealants
32 31 14	Color Chain Link Fence and Gates
32 92 00	Topsoil and Seeding
32 93 00	Plants

END TABLE OF CONTENTS

00 01 03 PROJECT DIRECTORY

Drummey Rosane Anderson, Inc. Architects 225 Oakland Road, Studio 205 South Windsor, CT 06074

Consulting Engineering Services MEP-FP Engineer 811 Middle Street Middletown, CT 06457

Crabtree McGrath Associates, Inc. Foodservice Consultants 161 West Main Street Georgetown, MA 01833

00 02 00 DRAWING INDEX

COVER SHEET

ARCHITECTURAL DRAWINGS

A001	CODE REFERENCE
A002	GENERAL DETAILS & PARTITION TYPES
A003	CONSTRUCTION PHASING PLAN
AD101	DEMOLITION FLOOR PLAN
A100	OVERALL FLOOR PLAN
A111	ENLARGED FLOOR PLAN CULINARY/VOC TECH
A112	ENLARGED FLOOR PLAN KITCHEN
A113	ENLARGED FLOOR PLAN MUSIC
A114	ENLARGED FLOOR PLAN CAFETERIA
A115	SECOND, THIRD & ROOF PARTIAL FLOOR PLANS
A201	BUILDING SECTIONS
A301	WALL SECTIONS
A302	WALLSECTIONS
A401	INTERIOR ELEVATIONS
A501	ENLARGED TOILET PLAN & PLAN DETAILS
A701	DOOR SCHEDULE & DETAILS
A801	REFLECTED CEILING PLAN

ARCHITECTURAL FINISH PLANS

AF101	FLOOR FINISHES PLAN
AF102	WALL FINISHES PLAN
AF103	FINISH DETAILS

KITCHEN DRAWINGS

FS100	FOOD SERVICE EQUIPMENT SCHEDULE
FS101	FOOD SERVICE EQUIPMENT PLAN
FS111	FOOD SERVICE EQUIPMENT ROUGH-IN PLAN
FS121	FOODSERVICE EQUIPMENT VENTILATION ROUGH-IN PLAN
FS131	FOODSEFVICE EQUIPMENT SPECIAL CONDITIONS PLAN
FS201	FOODSERVICE EQUIPMENT ELEVATIONS
FS301	FOODSERVICE EQUIPMENT DETAILS

FIRE PROTECTION DRAWINGS

FP000	FIRE PROTECTION ABBREVIATIONS, NOTES AND SYMBOLS
FPD101	FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN

DRAWING INDEX
PAGE - 1 OF 2
PROJECT No. 056-0052 A / 01/07/2022

GRANBY, CT

FP101	FIRE PROTECTION FIRST FLOOR PLAN
FP500	FIRE PROTECTION DETAILS

PLUMBING DRAWINGS

P000	PLUMBING ABBREVIATIONS, NOTES AND SYMBOLS
PS100	PLUMBING SITE UTILITY PLAN
PD100	PLUMBING UNDERGROUND DEMOLITION PLAN
PD101	PLUMBING FIRST FLOOR DEMOLITION PLAN
P100	PLUMBING UNDERGROUND FLOOR PLAN
P101	PLUMBING FIRST FLOOR PLAN
P102	PLUMBING FLOOR PLANS
P201	PLUMBING FIRST FLOOR KITCHEN PLAN
P202	PLUMBING FIRST FLOOR CULINARY ARTS PLAN
P500	PLUMBING DETAILS
P600	PLUMBING SCHEDULES AND DIAGRAMS

MECHANICAL DRAWINGS

M000	MECHANICAL ABBREVIATIONS, NOTES AND SYMBOLS
MD101	MECHANICAL FIRST FLOOR DEMOLITION PLAN
M101	MECHANICAL FIRST FLOOR PLAN
M102	MECHANICAL SECOND/THIRD FLOOR PLAN
M103	ROOF PLAN
M500	MECHANICAL DETAILS
M600	MECHANICAL SCHEDULES
M700	MECHANICAL CONTROL DIAGRAMS

ELECTRICAL DRAWINGS

E000	ELECTRICAL ABBREVIATIONS, NOTES AND SYMBOLS
E001	ELECTRICAL ABBREVIATIONS, NOTES AND SYMBOLS
ED101	ELECTRICAL FIRST FLOOR DEMOLITION PLAN
EL101	ELECTRICAL LIGHTING FIRST FLOOR PLAN
EP101	ELECTRICAL POWER FIRST FLOR PLAN
EP104	ELECTRICAL POWER ROOF PLAN
E201	ELECTRICAL KITCHEN PLAN
E202	ELECTRICAL KITCHEN SCHEDULE
E500	ELECTRICAL DETAILS
E501	ELECTRICAL DETAILS
E502	ELECTRICAL DETAILS
E600	ELECTRICAL SCHEDULES AND DIAGRAMS

SECTION 00 11 16 INVITATION TO BID

LEGAL NOTICE REQUEST FOR QUALIFICATIONS AND PROPOSALS

Town of Granby RFP No. 2022-0100

March 11, 2022

Sealed bids **for GRANBY MEMORIAL HIGH SCHOOL RENOVATIONS at 315 SALMON BROOK STREET, GRANBY, CT**, will be received at Granby Public Schools, Business Office, 15B North Granby Road, Granby, CT 06035, ATTN: Anna Robbins, Business Manager, no later than 12:00 p.m. local time, March 31, 2022 at which time submittals will be reviewed and considered by the Town of Granby.

There will be a mandatory walkthrough on March 17 at 10:00 am beginning at the main entrance to Granby Memorial High School facing the Athletic Fields. Please contact Mr. Shannon Sullivan @ 860-844-6015 or email at sullivans@granbyschools.org with questions regarding the walkthrough.

Bid documents are available on the Town of Granby website.

All inquiries concerning this project should be sent electronically to Ms. Anna Robbins, Business Manager, at robbinsa@granbyschools.org.

Erica Robertson Town Manager March 11, 2022

1 Project Description:

The Work includes, but is not limited to, Interior renovations to the Cafeteria and Music Areas of the building. The work will include, but not be limited to selective demolition, new construction including concrete work, and new floors, walls and ceilings, doors and frames and aluminum storefront. It also includes new finishes and acoustical treatments, kitchen equipment and Fire Sprinklers, Plumbing, HVAC, Electrical all as indicated and described in the Bid Documents. Limited Sitework includes excavation and backfill, concrete paving, concrete block retaining wall, fencing and new propane storage tanks.

- 2. The construction project is planned to start on or about April 7th, 2022. Construction shall be substantially completed by August 20th 2022 with the possible exception of long lead kitchen items.
- 3. Bid Document Availability
 Bid documents in complete sets only will be from the Town of Granby website (www.granby-ct.gov) beginning
 on or after 10:00 A.M. March 11, 2022. No hard copies will be offered.
- 5. Bidding Documents have been prepared by Drummey Rosane Anderson, Inc., 225 Oakland Road, Studio 205, South Windsor, CT 06074, Phone: 860-644-8300, hereinafter called the Architect.
- 6. Each Bid must be accompanied by a bid security payable to the Town of Granby, CT in the amount of 5% of the Bid Sum in the form of Bid Bond, AIA Document A310, from a surety company licensed to do business in the State of Connecticut, pledging that the Bidder will enter into a contract with the Owner on the terms stated in the Bid. Checks for Bid Security will not be accepted in lieu of a Bid Bond. No Bids may be withdrawn for a period of ninety days (90) days from the date of Bid opening. The amount of bid security shall be forfeited to the Owner if the Bidder, after being notified of selection for the award of the contract for the work, fails to furnish the required bonds and enter into a contract for construction within ten (10) days after such notification.
- 7. Contractors must comply with State Prevailing Fair Wage Provisions.
- 8. All Bidders are required to visit the site and examine the existing conditions prior to submitting a Bid.
- 9. Subject to the rights reserved to the Owner the contract shall be awarded to the lowest responsible qualified bidder.

- 10. The Owner may reject any and all bids for any reason, including if the project costs exceed expectations (as determined solely at the Town's discretion). The Owner shall have the right to waive any informality or irregularity in any Bid received. The Town may also enter direct negotiations with one or more of the bidders in order to reduce the scope and cost of the project. The Town is under no obligation to award a contract to any bidder at any time during the process. The Owner may reject a Bid not accompanied by any required bid security or data required by the Bidding Documents or a Bid in any way incomplete or irregular.
- 11. The lowest qualified responsible bidder shall furnish and pay for a surety in the full amount of the contract. This bond shall provide 100% security for the faithful performance of the contract and the payment of all persons performing labor or furnishing materials in connection with the contract. Such surety shall be written by a surety company qualified to do business in the State of Connecticut and acceptable to the Owner.
- 12. All questions during the bidding period must be submitted <u>in writing</u> by mail or email to the Architect's office: ATTN: Greg Belous. E-mail: gbelous@draws.com
- 13. If the bid submission date is not extended, the last addendum shall be issued no later than 12:00 p.m. on March 25, 2022. The deadline for questions received by the Architect shall be 2:00pm on March 22, 2022.

14. FORM OF CONTRACT

A lump sum contract (AIA: A101) is included in this project specification. It will be executed with the Contractor for the construction of the project. No exceptions to the scope of work of the contract will be considered unless such notification is given before the Bid Due date or within the Bid Submission.

15. This project will be funded by the Town of Granby and The State of Connecticut. Comply with the following State Statutes:

Section 4b-91 – Bidding for Public Building Contracts: Contractors for projects with a total cost of \$500,000 or more must be Prequalified by the State Department of Administrative Services

Section 22a-1 – Connecticut Environmental Policy Act

Section 31-52 - Preference to State Citizens

Section 31-53 – Prevailing Fair Wage Requirements

Section 31-57b – OSHA Violators: No Contract shall be awarded to any Contractor who has received 3 or more citations for willful or serious violations of OSHA regulations within 3 years of the bid opening date.

Sections 4a-60 and 4a-60a of the CGS, and Section 46a-68j-23 of the Regulations of Connecticut State Agencies regarding equal employment opportunity and the bidder's good faith efforts to include minority business enterprises as subcontractors and suppliers for the work of this contract.

Invitation to Bid 00 11 16 - 3

- Section 49-41 Bonds: The successful bidder must furnish a Performance Bond and Payment Bond in the amount of 100% of the Project Bid Cost.
- 16. Contractors must comply with DAS Contractor Prequalification requirements.
- 17. No right shall accrue to any person submitting a bid until such bids have been accepted and contract awarded in writing by the duly authorized representative of the Town of Granby. The Town of Granby reserves the right to reject any and all bids and to accept the lowest responsible qualified bidder, and to waive any informalities, omissions, excess verbiage, or technical defects in the Bidding, if, in the opinion of the Town of Granby, it would be in their best interest to do so.

END OF DOCUMENT

Invitation to Bid 00 11 16 - 4

Granby Memorial High School Renovations

Granby, CT

SECTION 00310

BID FORM - GENERAL CONSTRUCTION CONTRACT

Owner:

The Town of Granby

through

Granby Public Schools,

Attn: Anna Robbins, SFO Business Manager 15B North Granby Road Granby, CT 06035

BIDDER:		Firm Name:	
		Address:	-
			_
		Phone:	-
PROJECT:		Email:	-
		Granby Memorial High School Renovations	
Α.	BASE BID FOR O	GENERAL CONSTRUCTION:	
Having carefully examined the Contract Documents listed in the Project consisting of Drawings and Specifications, all Addenda as specifically listed having examined the work areas and sites and being familiar with the condition the work, the undersigned proposes to furnish materials and labor to perform a the construction work for the Stipulated Sums of:		pelow, and as affecting	
	<u>Base</u> Bid:		
			Dollars
	(\$)	

Granby Memorial High School Renovations

Granby, CT

Undersigned agrees above stipulated sums are firm prices and are not subject to extras or escalator clauses.

B. ADDENDA:

Undersigned certifies that the Base Bid includes Addenda listed below and they are hereby acknowledged as having been received and carefully reviewed by the Bid Due Date:

Addendum No.	Dated
Addendum No.	Dated
Addendum No	Dated
Addendum No	Dated
Addendum No.	Dated

C. PERFORMANCE BOND AND LABOR AND MATERIAL PAYMENT BOND:

The General Contractor is required to provide a 100% Performance Bond and Labor and Material Payment Bond. The undersigned bidder certifies that his firm will provide such bonds.

G. OTHER CERTIFICATIONS:

Undersigned agrees to execute Contract for above work for the above stipulated sum provided that he be notified of acceptance of bid within thirty (30) days after time set for the receipt of bids. Undersigned agrees to execute contract and deliver it to the Owner.

Undersigned agrees by submission of this bid that the bidder is the only interested party submitting this bid, that the Contract Documents are incorporated herein, that there is no collusion, and the contract will not be assigned with written consent of the Owner.

Undersigned certifies that it has provided the Bid Security Bond properly executed following items with this bid form.

Undersigned represents to Owner that it has the labor, machinery, equipment, supplies, and credit to meet the schedule completion requirements more specifically enumerated in the DIVISION 1 – GENERAL REQUIREMENTS.

Granby Memorial High School Renovations

Granby, CT

Firm:		
Autho	rized Representative:	
Title:		
Signat	ure:	
Date:		
	(Corp. Seal)	(Notary Seal)

END OF GENERAL CONSTRUCTION CONTRACT BID FORM