

ADDENDUM NUMBER 1
October 30, 2020**Project:** Ashland Public Safety Building
Ashland, MA**Owner:** Town of Ashland, MA**From:** HKT Architects Inc.
24 Roland Street, Suite 301
Charlestown, MA 02129
617.776.6545**To:** Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated October 23, 2020. This Addendum 1 consists of 48 pages. Portions of the Bidding and Contract Documents not altered by this addendum remain in full force.

Prior Addenda: None

ADDENDA:**SPECIFICATIONS****Section 000110-table of contents**

Item 1: Section 031510 – **REVISED** to read: Concrete Control Construction and Expansion Joints

Item 2: Section 084523 - **REVISED** to read: Insulated Translucent Wall Panel Assemblies

Section 001116 - INVITATION TO BID

Item 1: Page 1 – **REVISED** Bid opening dates to read:

- Sealed Filed Sub-Bids for the sub-trades designated below will be received by the Awarding Authority at BidDocs ONLINE, com. at 1 PM on December 4, 2020.
- Sealed General-Bids for the General Contract will be received by the Awarding Authority at the BidDocs ONLINE.com at 1PM on December 18, 2020.

Item 2: Page 2 – **REVISED** Construction cost to \$28.6 million.

Item 3: Page 2 – **REVISED** SCHEDULE 1 and first bullet point to read:

- “SCHEDULE 1 - Each General Bidder may obtain two (2) complete sets of Bidding Documents and each Sub-Bidder may obtain one (1) complete set of Bidding Documents at BidDocsonline.com, Nashoba Blue, Inc, 433 Main Street, Hudson, MA 01749 (978) 568-1167 between the hours of 10:00 a.m. and 4:00 p.m., upon deposit of \$150.00 per set in the form of money order or a certified check made payable to the Town of Ashland, on or after 10 AM on Wednesday, October 27, 2020. No partial sets will be issued.
- Additional sets may be purchased at the same office for \$150.00 per set, non-refundable.”

Item 4: Page 3 – **REVISED** mailing and handling charge to read:

- “A non-refundable \$70.00 mailing and handling charge per set, payable to BidDocs Online Inc. (electronically or certified or cashiers check), shall accompany each request for mailed Bidding Documents. No documents will be mailed before receipt of the mailing charge..”

Item 5: Page 3 – **ADD** Construction duration statement:

- “Construction duration is anticipated to be 14 months from issuance of the Notice To Proceed.”

Item 6: Page 4 – **REVISED** Bid effective days to read:

"All bids shall remain in effect for 60 days, Saturdays, Sundays, and legal holidays excluded after opening of General Bids."

Item 7: Page 4 – **ADD** paragraphs below in their entirety:

"Construction duration is anticipated to be 14 months from issuance of the Notice To Proceed. All bids shall remain in effect for 60 days, Saturdays, Sundays, and legal holidays excluded after opening of General Bids. Successful bidders shall agree to commence work and complete the Work in accordance with the dates set forth in the Bidding Documents.

At this time an Order of Conditions has not yet been received for the project. The Designer has made its best efforts to include typical details that are customarily encountered as part of OOC issuances by Conservation Commissions. If an OOC is received before bids are due, it will be forwarded. Any requirements that arrive post-bid will be addressed through the issuance of a Construction Change Directive.

Execution of a contract with the successful Bidder is contingent upon approval of the project by the Ashland Town Meeting that is currently scheduled to meet on January 9, 2021, as well as approval by a ballot vote to be held shortly after Town Meeting occurs. The successful Bidder will agree to hold its bid amount until after said ballot vote occurs.

Michael Herbert - Town Manager
Town of Ashland, MA

The winning bidder shall be required to comply with all Federal, State and Town laws, by-laws and regulations related to this project. Compliance with all laws, by-laws and regulations will be accomplished without any additional charge, cost or request for payment. Accordingly, it is the obligation of all bidders to be fully aware of any and all compliance obligation(s)."

Item 8: List of Prequalified General Bidders and Prequalified Subcontractors – **ADD**:

"Resilient Flooring: 1 Ayotte & King, 165 Trilby Ave, Chidopee, MA 01020"

"HVAC: 9 KMD Mechanical Corp, 310 Southwest Cutoff, Worcester, MA 01604"

Section 034500 – ARCHITECTURAL PRECAST CONCRETE

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

"2. Hoisting, staging, planking and scaffolding equipment for the Work of this Section."

Section 040001 - FSB MASONRY WORK

Item 1: Paragraph 1.1.B.1 – **REVISED** the sub-paragraph to read:

"1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission: "

Item 2: Paragraph 1.1.B.2 – **DELETED** entirely

Section 055000 – METAL FABRICATIONS

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

"8. Hoisting, staging, planking and scaffolding equipment for the Work of this Section."

Section 055100 – METAL STAIRS AND RAILINGS

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

“4. Hoisting, staging, planking and scaffolding equipment for the Work of this Section.”

Item 2: Paragraph 2.2.C – **REVISED** text color from red to black

Item 3: Paragraph 2.2.D – **REVISED** text color from red to black

Section 070001 - FSB WATERPROOFING DAMPPROOFING AND CAULKING

Item 1: Paragraph 1.1.B.1 – **REVISED** the sub-paragraph to read:

“1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission: ”

Item 2: Paragraph 1.1.B.2 – **DELETED** entirely

Section 070002 - FSB ROOFING AND FLASHING

Item 1: Paragraph 1.1.B.1 – **REVISED** the sub-paragraph to read:

“1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission: ”

Item 2: Paragraph 1.1.B.2 – **DELETED** entirely

Section 071400 – FLUID-APPLIED WATERPROOFING

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

“5. Hoisting, staging, planking and scaffolding equipment for the Work of this Section.”

Section 071610 – CRYSTALLINE WATERPROOFING

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

“2. Hoisting, staging, planking and scaffolding equipment for the Work of this Section.”

Section 072700 – AIR BARRIERS

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

“4. Hoisting, staging, planking and scaffolding equipment for the Work of this Section.”

Section 075400 – THERMOPLASTIC MEMBRANE ROOFING

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

“7. Hoisting, staging, planking and scaffolding equipment for the Work of this Section.”

Section 076100 – SHEET METAL ROOFING

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

“2. Hoisting, staging, planking and scaffolding equipment for the Work of this Section.”

Section 076110 – SHEET METAL SIDING

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

“2. Hoisting, staging, planking and scaffolding equipment for the Work of this Section.”

Section 076200 – SHEET METAL FLASHING AND TRIM

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

“2. Hoisting, staging, planking and scaffolding equipment for the Work of this Section.”

Section 079200 – JOINT SEALANTS

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

“2. Hoisting, staging, planking and scaffolding equipment for the Work of this Section.”

Section 080002 - FSB GLASS AND GLAZING

Item 1: Paragraph 1.1.B.1 – **REVISED** to read:

“1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission:”

Item 2: Paragraph 1.1.B.2 – **DELETED** entirely

Item 3: Paragraph 1.2.A.2 – **ADDED** the following sub-paragraph in its entirety:

“2. All Work of Section 084226 - BUTT-GLAZED INTERIOR GLASS PARTITIONS AND DOORS”

Section 087100 - DOOR HARDWARE

Item 1: **REVISED** date in header to read “October 23, 2020”

Section 088000 – INTERIOR GLAZING

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

“2. Hoisting, staging, planking and scaffolding equipment for the Work of this Section.”

Section 090002 - FSB TILE

Item 1: Paragraph 1.1.B.1 – **REVISED** the sub-paragraph to read:

“1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission: ”

Item 2: Paragraph 1.1.B.2 – **DELETED** entirely

Section 093000 – TILING

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

“4. Hoisting, staging, planking and scaffolding equipment for the Work of this Section.”

Section 090003 - FSB ACOUSTICAL TILE

Item 1: Paragraph 1.1.B.1 – **REVISED** the sub-paragraph to read:

“1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission: ”

Item 2: Paragraph 1.1.B.2 – **DELETED** entirely

Section 090005 - FSB RESILIENT FLOORS

Item 1: Paragraph 1.1.B.1 – **REVISED** the sub-paragraph to read:

“1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission: ”

Item 2: Paragraph 1.1.B.2 – **DELETED** entirely

Section 090007 - FSB PAINTING

Item 1: Paragraph 1.1.B.1 – **REVISED** the sub-paragraph to read:

"1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission: "

Item 2: Paragraph 1.1.B.2 – **DELETED** entirely

Section 095100 – ACOUSTICAL CEILINGS

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

"5. Hoisting, staging, planking and scaffolding equipment for the Work of this Section."

Section 096510 – RESILIENT FLOORING AND ACCESSORIES

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

"5. Hoisting, staging, planking and scaffolding equipment for the Work of this Section."

Section 096560 – RESILIENT ATHLETIC FLOORING

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

"2. Hoisting, staging, planking and scaffolding equipment for the Work of this Section."

Section 099000 – PAINTING AND COATING

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

"4. Hoisting, staging, planking and scaffolding equipment for the Work of this Section."

Section 105613 - METAL STORAGE SHELVING

Item 1: Paragraph 3.5.A – **REVISED** the sub-paragraph to read:

"Provide metal storage shelving units in configurations indicated on Drawings."

Item 2: Paragraphs 3.5.A.1 through 3.5.A.3 – **DELETED** in their entirety.

Section 140001 - FSB ELEVATORS

Item 1: Paragraph 1.1.B.1 – **REVISED** the sub-paragraph to read:

"1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission: "

Item 2: Paragraph 1.1.B.2 – **DELETED** entirely

Section 142100 – ELECTRIC TRACTION ELEVATORS

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

"2. Hoisting, staging, planking and scaffolding equipment for the Work of this Section."

Item 2: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

"3. Two days of elevator car operation for support of other trades' work."

Section 144200 – WHEELCHAIR LIFTS

Item 1: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

"2. Hoisting, staging, planking and scaffolding equipment for the Work of this Section."

Item 2: Paragraph 1.2.A – **ADD** the following sub-paragraph in its entirety:

"3. Two days of elevator car operation for support of other trades' work."

Section 313200 - EROSION AND SEDIMENTATION CONTROL

Item 1: Footer – **REVISED** to reflect section number.

DRAWINGS

N/A

QUESTIONS AND ANSWERS

Question 1:

Will product substitutions be reviewed by the design team during the bidding phase?

Response 1:

No product substitutions will be reviewed during the bidding phase.

ATTACHMENTS

- Item 1: Specification Section 000110 - TABLE OF CONTENTS R1
- Item 2: Specification Section 001116 - INVITATION TO BID R1
- Item 3: Specification Section 040001 - FSB MASONRY WORK R1
- Item 4: Specification Section 050001 - FSB MISCELLANEOUS IRON R1
- Item 5: Specification Section 070001 - FSB WATERPROOFING DAMPPROOFING AND CAULKING R1
- Item 6: Specification Section 070002 - FSB ROOFING AND FLASHING R1
- Item 7: Specification Section 080002 - FSB GLASS AND GLAZING R1
- Item 8: Specification Section 090002 - FSB TILE R1
- Item 9: Specification Section 090003 - FSB ACOUSTICAL TILE R1
- Item 10: Specification Section 090005 - FSB RESILIENT FLOORS R1
- Item 11: Specification Section 090007 - FSB PAINTING R1
- Item 12: Specification Section 105613 - METAL STORAGE SHELVING R1
- Item 13: Specification Section 140001 - FSB ELEVATORS R1

END OF ADDENDUM 01

PROJECT MANUAL

DOCUMENT 000110

TABLE OF CONTENTS

VOLUME 1

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

Document 000010	Project Manual Cover
Document 000110	Table of Contents
Document 000117	Project Directory
Document 001116	Invitation to Bid
	List of Prequalified General Bidders and Prequalified Subcontractors
Document 002113	Instructions to Bidders
Document 002114	eBidding Registration Instructions
Document 003200	Massachusetts Prevailing Wage Rates
Document 004100	Form for General Bid
Document 004114	Form for Sub-Bid
	AIA A101 Standard Form of Agreement Between Owner and Contractor (Including Exhibit A)
	AIA A201 General Conditions of the Contract for Construction
	AIA A312 Payment and Performance Bonds
	AIA E203 BIM and Digital Data Exhibit
	AIA G702/G703 Application and Certificate for Payment and Continuation Sheet
	AIA G704, G706, G706A, G707 Certificate of Substantial Completion / Affidavit of Payment of Debts / Affidavit of Release of Liens / Consent of Surety to Final Payment
Document 006200	Certificates and Other Forms
Document 007000	Supplementary Conditions

DIVISION 01 - GENERAL REQUIREMENTS

Section 011000	General Requirements
Section 011100	Summary of Work
Section 011400	Work Restrictions
Section 011401	Electronic Release Form
Section 012400	Schedule of Values
Section 013100	Project Management and Coordination
Section 013119	Project Meetings
Section 013200	Construction Progress Documentation
Section 013300	Submittal Procedures
Section 013301	Substitution Request Form
Section 014000	Quality Requirements
Section 014320	Quality Control and Testing Services
Section 014330	Mock-Ups
Section 014533	Code Required Special Inspections and Procedures
Section 014533	Statement of Special Inspections
Section 014533	Inspections Final reports
Section 015000	Temporary Facilities and Controls
Section 017329	Cutting and Patching
Section 017400	Construction Waste Management
Section 017700	Closeout Procedures
Section 017839	Project Record Documents

Section 018120 Construction Indoor Air Quality (IAQ) Management

DIVISION 02 - EXISTING CONDITIONS

Section 023000 Subsurface Investigation

DIVISION 03 - CONCRETE

Section 031100	Concrete Formwork
Section 031510	Concrete Control Construction and Expansion Joints
Section 031515	Polyvinyl Chloride Waterstops
Section 031520	Hydrophilic Rubber Waterstops
Section 032000	Concrete Reinforcing
Section 033000	Cast-In-Place Concrete
Section 033500	Concrete Finishing
Section 034500	Architectural Precast Concrete (part of 040001 FSB)
Section 036000	Grouting

DIVISION 04 - MASONRY

Section 040000	Site Masonry
Section 040001 *	Masonry Work
Section 042000	Unit Masonry (part of 040001 FSB)

DIVISION 05 - METALS

Section 050001 *	Miscellaneous and Ornamental Iron
Section 051200	Structural Steel Framing
Section 053100	Steel Decking
Section 054000	Cold-Formed Metal Framing
Section 055000	Metal Fabrications (part of 050001 FSB)
Section 055100	Metal Stairs and Railings (part of 050001 FSB)

DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

Section 061000	Rough Carpentry
Section 061600	Sheathing
Section 064020	Interior Architectural Woodwork

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

Section 070001 *	Waterproofing, Dampproofing and Caulking
Section 070002 *	Roofing and Flashing
Section 071400	Fluid-Applied Waterproofing (part of 070001 FSB)
Section 071610	Crystalline Waterproofing (part of 070001 FSB)
Section 071800	Traffic Coatings
Section 072100	Thermal Insulation
Section 072700	Air Barriers (part of 070001 FSB)
Section 072800	Liquid-Applied Insulative Coating
Section 074210	Wall Cladding Support System
Section 074220	Solid Phenolic Wall Panels
Section 074610	Fiber-Cement Siding
Section 075400	Thermoplastic Membrane Roofing (part of 070002 FSB)
Section 076100	Sheet Metal Roofing (part of 070002 FSB)
Section 076110	Sheet Metal Siding

Section 076200	Sheet Metal Flashing and Trim (part of 070002 FSB)
Section 077200	Roof Accessories
Section 078410	Penetration Firestopping
Section 078440	Fire-Resistive Joint Systems
Section 079200	Joint Sealants (part of 070001 FSB)

DIVISION 08 - OPENINGS

Section 080002 *	Glass and Glazing
Section 081110	Hollow Metal Doors and Frames
Section 081223	Detention Doors and Frames
Section 081400	Flush Wood Doors
Section 083110	Access Doors and Frames
Section 083513	Glazed Folding Doors
Section 083610	Sectional Doors
Section 084226	Butt-Glazed Interior Glass Partitions and Doors (part of 080002 FSB)
Section 084523	Insulated Translucent Wall Panel Assemblies
Section 085413	Fiberglass Windows
Section 085653	Security Windows
Section 087100	Door Hardware
Section 087100.01	Door Hardware Index
Section 088000	Interior Glazing (part of 080002 FSB)
Section 089000	Louvers and Vents

DIVISION 09 - FINISHES

Section 090002 *	Tile
Section 090003 *	Acoustical Tile
Section 090005 *	Resilient Floors
Section 090007 *	Painting
Section 092110	Gypsum Board Assemblies
Section 092120	Gypsum Board Shaft-Wall Assemblies
Section 093000	Tiling (part of 090002 FSB)
Section 095100	Acoustical Ceilings (part of 090003 FSB)
Section 095723	Security Ceiling Systems (part of 090003 FSB)
Section 096510	Resilient Flooring and Accessories (part of 090005 FSB)
Section 096560	Resilient Athletic Flooring (part of 090005 FSB)
Section 096710	Resinous Flooring
Section 096800	Carpeting
Section 096910	Access Flooring
Section 099000	Painting and Coating (part of 090007 FSB)

DIVISION 10 - SPECIALTIES

Section 101100	Visual Display Surfaces
Section 101400	Signage
Section 102110	Toilet Compartments
Section 102210	Wire Mesh Partitions
Section 102600	Wall and Door Protection
Section 102800	Toilet Accessories
Section 104400	Fire Protection Specialties
Section 105110	Metal Lockers
Section 105613	Metal Storage Shelving
Section 105626	Compact Storage Shelving
Section 107500	Flagpoles

DIVISION 11 - EQUIPMENT

Section 113100	Appliances
Section 115210	Projection Screens
Section 116723	Shooting Range Equipment
Section 119200	Dog Amenities

DIVISION 12 - FURNISHINGS

Section 122400	Shades
Section 123550	Laboratory Casework
Section 124810	Entrance Floor Mats and Frames
Section 125500	Detention Furniture

DIVISION 14 - CONVEYING EQUIPMENT

Section 140001 *	Elevators
Section 142100	Electric Traction Elevators (part of 140001 FSB)
Section 144200	Wheelchair Lifts (part of 140001 FSB)
Section 149313	Firehouse Slide Poles

VOLUME 2

DIVISION 21 - FIRE SUPPRESSION

Section 210000 *	Fire Protection
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DIVISION 22 - PLUMBING

Section 220000 *	Plumbing
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DIVISION 23 - HVAC

Section 230000 *	HVAC
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DIVISION 26 - ELECTRICAL

Section 260010 *	Electrical
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DIVISION 27 - COMMUNICATIONS

Section 270000 *	Communications
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DIVISION 28 - INTEGRATED ELECTRONIC SAFETY AND SECURITY SYSTEM

Section 280000 *	Integrated Electronic Security System
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DIVISION 31 - EARTHWORK

Section 310000	Earthwork
Section 311100	Site Preparation
Section 312316.26	Rock Excavation and Disposal
Section 312316.27	Blasting

Section 312319	Dewatering
Section 313200	Erosion and Sedimentation Controls
Section 315000	Excavation Support and Protection

DIVISION 32 - EXTERIOR IMPROVEMENTS

Section 321217	Hot Mix Asphalt Paving
Section 321313	Cement Concrete Paving
Section 321723	Pavement Markings
Section 323000	Site Improvements
Section 323223	Segmental Retaining Walls
Section 325000	Stormwater Pollution Prevention Plan
Section 329000	Lawns and Planting
Section 329500	Vegetated Roof Assemblies (part of 070002 FSB)

DIVISION 33 - UTILITIES

Section 331100	Water Distribution
Section 332313	Geothermal Well Field
Section 333000	Sanitary Sewerage
Section 334000	Storm Drainage Utilities

DIVISION 34 - TRANSPORTATION SIGNALING AND CONTROL

Section 344100	Roadway Signaling and Control Equipment
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DIVISION 40 - PROCESS INTERCONNECTIONS

Section 407723	Vibration Monitoring
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Ashland Public Safety Building
12 Union Street, Ashland, MA

HKT Architects
October 23, 2020
Addendum #1 October 30, 2020

APPENDICES

Boring Logs
Formation Thermal Conductivity Test Report for Geothermal Test Well
Geotechnical Design Basis Report
Probe Logs
Signal Boring Logs
Test Pit Logs

END OF TABLE OF CONTENTS

DOCUMENT 001116
INVITATION TO BID

The **Town of Ashland**, the Awarding Authority, invites sealed bids for the construction of a **Public Safety Building** located at **12 Union Street** in accordance with Drawings and Specifications prepared by **HKT Architects Inc., located at 24 Roland Street, Suite 301, Charleston, MA 02129.**

Complete new construction of a 42,000 square foot building with related site elements. Project includes a three-story structure, single story apparatus building with mezzanine, a one-story sally port with police vehicle storage, a freestanding carport, a freestanding shooting range, and associated site work to complete the project. Exterior finishes including but not limited to masonry veneer, fiber cement lap siding, solid phenolic wall panels, metal standing seam siding and roof, side folding doors in apparatus Bays, overhead doors in detention area, storefront, operable and fixed windows, louvers and vents, thermoplastic and green roofs, doors and trim. Interior finishes include, but are not limited to, painted CMU and gypsum wallboard, gypsum and acoustic tile ceilings, doors and hardware, insulation, trim, cabinetry, tile, carpet tile, resilient and resinous flooring, various specialties, equipment and furnishing. Also included are Elevator, Fire Suppression, Plumbing, Heating Ventilating and Air Conditioning, and Electrical Systems and related sitework.

Bidding procedures shall be in accordance with Chapter 149 of Massachusetts General Laws, as amended, including "Construction Reform" amendments contained in Chapter 193 of the Acts of 2004 of Massachusetts Legislature. Bids will be accepted only from General Bidders and Filed Sub-Bidders who have been pre-qualified for this Project or are otherwise eligible to bid on this Project.

This project is being electronically bid and hard copy bids will not be accepted. Further bidding instructions are found in the Document 002113 Instruction to Bidders and Document 002114 eBidding Registration Instructions. Sealed bids submitted online on forms furnished by the Awarding Authority and clearly identified as bids, endorsed with the name and address of the bidder and the name of the Project, will be received no later than the times and dates specified below for receipt of bids and will forthwith be publicly opened online.

- **Sealed Filed Sub-Bids for the sub-trades designated below will be received by the Awarding Authority at BidDocs ONLINE, com. at 1 PM on December 4, 2020.**
- **Sealed General-Bids for the General Contract will be received by the Awarding Authority at the BidDocs ONLINE.com at 1PM on December 18, 2020.**

Each Bid shall be accompanied by Bid Security equal to five (5) percent of the Bid amount in the form of a Bid Bond, Cash or a Certified, Treasurer's or Cashier's Check issued by a responsible U.S. bank or Trust Company, payable to the **Town of Ashland**. Bid Bond amount shall include the cost of any Alternates. Both the "bid bond" or "check" bid deposits are to be scanned and uploaded to the system as a pdf file. **IMPORTANT NOTICE:** If the bidder elects to make a bid deposit in the form of "cash" or "check" the bidder must have the cash or check physically delivered to the Awarding Authority prior to the date and time of the bid opening. This requirement applies to the following Prequalified:

- General Bidders
- Filed Sub-Bidders

Each Bidder shall be certified by the Department of Capital Asset Management and Maintenance for the

category of work and dollar amount of this Project, and to be considered, shall submit with his or her Bid, a DCAMM Certification and Update Statement indicating additional work or contracts performed or executed after the certification date.

- Estimated construction cost of this Project: **\$28.6 million.**
- DCAMM Certification Category: [General Building Construction]

Filed Sub-Bids will be required for the Work of the following sub-trades:

MASONRY <(Pre-Qualified)>	RESILIENT FLOORS <(Pre-Qualified)>
MISCELLANEOUS AND ORNAMENTAL IRON <(Pre-Qualified)>	PAINTING <(Pre-Qualified)>
WATERPROOFING, DAMPPROOFING AND CAULKING <(Pre-Qualified)>	ELEVATORS <(Pre-Qualified)>
ROOFING AND FLASHING <(Pre-Qualified)>	FIRE PROTECTION <(Pre-Qualified)>
GLASS AND GLAZING <(Pre-Qualified)>	PLUMBING <(Pre-Qualified)>
TILE <(Pre-Qualified)>	HVAC <(Pre-Qualified)>
	ELECTRICAL WORK <(Pre-Qualified)>
ACOUSTICAL TILE <(Pre-Qualified)>	

SCHEDULE 0 - Bidding Documents comprise Bidding Requirements and Contract Documents including all Addenda, as defined in Document 002113 – INSTRUCTIONS TO BIDDERS. Ebid info is 002114

SCHEDULE 1 - Each General Bidder may obtain two (2) complete sets of Bidding Documents and each Sub-Bidder may obtain one (1) complete set of Bidding Documents **at BidDocsonline.com, Nashoba Blue, Inc, 433 Main Street, Hudson, MA 01749 (978) 568-1167** between the hours of **10:00 a.m. and 4:00 p.m.**, upon deposit of **\$150.00** per set paid electronically or in the form of a certified or cashier's check made payable to **BidDocs Online, Inc**, on or after 10 AM on **Wednesday, October 27, 2020**. No partial sets will be issued.

- Additional sets may be purchased at the same office for **\$150.00** per set, non-refundable.
- Copies of the FORM FOR GENERAL BID and FORM FOR SUB-BID will be available at no cost.
- Copies of Addenda will be mailed or delivered to each registered General Bidder and Filed Sub-Bidder at no cost.

The full amount of each deposit for Bidding Documents will be refunded to each Bidder returning complete sets of Bidding Documents (including Addenda if issued) to **BidDocs ONLINE.com** in good condition within thirty (30) days after the date of the General Bid opening. Deposits for Bidding Documents will be forfeited to the **Town of Ashland** if Bidding Documents are not returned within the specified time limit.

Bidders shall address inquiries regarding availability of Bidding Documents, delivery time and other similar matters to BidDocsonline.com. Arrangements for delivery or mailing may be made directly with BidDocsonline.com, Nashoba Blue, Inc. 433 Main Street, Hudson, MA 01749 (978) 568-1167. A

INVITATION TO BID

non-refundable \$70.00 mailing and handling charge per set, payable to BidDocs Online Inc. (electronically or certified or cashiers check), shall accompany each request for mailed Bidding Documents. No documents will be mailed before receipt of the mailing charge. Copies of Addenda will be mailed or delivered to registered bidders without charge.

A Pre-Bid Conference will be held at the site **located at 12 Union Street on November 4, 2020 at 1:00 PM**. All bidders are invited and encouraged to attend. Please note that due to COVID-19, social distancing guidelines will be followed and masks are required for all attendees.

The Bidding Documents may be examined at the following places during normal business hours after issuance:

BidDocsonline.com	Town of Ashland
Nashoba Blue, Inc	Town Hall
433 Main Street	101 Main Street
Hudson, MA 01749	Ashland, MA 01721
(978) 568-1167	(508) 881-0100

Questions regarding the project design documents should be addressed in writing to **Paula Claridge at HKT Architects** at pclaridge@hktarchitects.com. Questions regarding availability of bidding documents, delivery time and other similar matters should be addressed to BidDocsOnline.com.

The Bid Securities of all General Bidders, except those of the three lowest responsible and eligible General Bidders, will be returned within five (5) days, Saturdays, Sundays, and legal holidays excluded, after the opening of General Bids.

The successful General Bidder will be required to furnish a Performance Bond and a labor and materials Payment Bond as required by the Bidding Documents.

All bids for this Project are subject to the provisions of Massachusetts General Laws (Ter. Ed), Chapter 30, Section 39M as amended; Portions of Mass. G.L. Chapter 149, Sections 44A through 44L inclusive; and Chapter 149, Section 26 through 27D inclusive; except Section 44F, as amended by Chapter 193 of the Acts of 2004 of the Massachusetts Legislature.

The minimum wages to be paid mechanics, apprentices, teamsters, chauffeurs, and laborers on the Project shall be established by the Minimum Wage Schedule, as determined by the Commissioner of Labor and Industries, pursuant to the provisions of M.G.L. Chapter 149, Section 25 to 27D, inclusive, as amended, which schedule is included in the Bidding Documents.

The Awarding Authority reserves the right to waive any informalities and to reject any or all General Bids if it be in the public interest so to do, and to reject any sub-bid on any sub-trade if it determines that such Sub-bid does not represent the sub-bid of a person competent to perform the work as specified or that less than three such Sub-bids were received and that the prices are not reasonable for acceptance without further competition.

Construction duration is anticipated to be 14 months from issuance of the Notice To Proceed. All bids shall remain in effect for 60 days, Saturdays, Sundays, and legal holidays excluded after opening of General Bids. Successful bidders shall agree to commence work and complete the Work in accordance with the dates set forth in the Bidding Documents.

At this time an Order of Conditions has not yet been received for the project. The Designer has made its best efforts to include typical details that are customarily encountered as part of OOC issuances by Conservation Commissions. If an OOC is received before bids are due, it will be forwarded. Any requirements that arrive post-bid will be addressed through the issuance of a Construction Change Directive.

Execution of a contract with the successful Bidder is contingent upon approval of the project by the Ashland Town Meeting that is currently scheduled to meet on January 9, 2021, as well as approval by a ballot vote to be held shortly after Town Meeting occurs. The successful Bidder will agree to hold its bid amount until after said ballot vote occurs.

Michael Herbert - Town Manager
Town of Ashland, MA

The winning bidder shall be required to comply with all Federal, State and Town laws, by-laws and regulations related to this project. Compliance with all laws, by-laws and regulations will be accomplished without any additional charge, cost or request for payment. Accordingly, it is the obligation of all bidders to be fully aware of any and all compliance obligation(s).

END OF FORM

INVITATION TO BID

001116 - 4

Listing of Prequalified General Contractors

1	Bacon Construction Co., Inc.	241 Narragansett Park Drive	East Providence	RI	02916
2	Boston Building & Bridge	1094 Blue Hill Ave	Milton	MA	02186
3	Colantonio	16 Everett St	Holliston	MA	01746
4	CTA Construction	400 Totten Pond Rd	Waltham	MA	02451
5	DA Sullivan	82-84 North St	Northampton	MA	01060
6	Fontaine Bros	510 Cottage st	Springfield	MA	01104
7	Hutter Construction	PO Box 257	New Ipswich	NH	03071
8	J&J Contractors	101 Billerica Ave., 5-205	North Billerica	MA	01862
9	W.T. Rich Company	29 Crafts St., Ste 300	Newton	MA	02458
10	WES Construction	650 Industrial Drive	Halifax	MA	02338

Listing of Prequalified Filed Subcontractors

Masonry

1	Acronam Masonry	79 Lyman St.	Northborough	MA	01532
2	Capasso Enterprises	251 Middle Street	Middletown	CT	06457
3	Costa Brothers Masonry	2 Lambeth Park Dr.	Fairhaven	MA	02719
4	Empire Masonry Corp	231 Norfolk St	Walpole	MA	02081
5	Fernandes Masonry, Inc.	1031 Phillips Rd.	New Bedford	MA	02745
6	Hutter Construction	PO Box 257	New Ipswich	NH	03071
7	K Walter Construction Inc.	148 Bay Rd.	Norton	MA	02766
8	Lighthouse Masonry	150 John Vertente Blvd	New Bedford	MA	02745
9	Marmelo Bros Constrction	13 Ventura Drive	North Dartmouth	MA	02747
10	Sullivan & Narey Construction Co., Inc.	214 Maple St.	Holyole	MA	01040

Miscellaneous Metals

1	Avid Ironworks	40 Rose St.	Springfield	MA	01104
2	Capone Iron	20 Turcotte Memorial Drive	Rowley	MA	01969
3	Colantonio	16 Everett St.	Holliston	MA	01746
4	EDM Construction	125 East Main St.	Merrimac	MA	01860
5	L&L Contracting	25 Hayward Street	Braintree	MA	02184
6	Quinn Bros. of Essex, Inc.	239 Western Ave	Essex	MA	01929
7	SMJ Metal Co, Inc.	36 Smith St	Northampton	MA	01060
8	South Shore Welding	121 Crooked Lane	Lakeville	MA	02347
9	Tim's Fabricators	87 Putnam St.	Fitchburg	MA	01420
10	V&G Ironworks, Inc	1500 Shawsheen St.	Tewksbury	MA	01876

Waterproofing-Dampproofing-Caulking

1	Armani Restoration	95 Bysiewicz Drive	Middletown	CT	06457
2	Chapman Waterproofing Company	620 South St.	Holbrook	MA	02343
3	Folan Waterproofing& Construction Co	795 Washington St	South Easton	MA	02375
4	PJ Spillane Co, Inc	97 Tileston St	Everett	MA	02149
5	The Waterproofing Company	25 Chesterton St	Boston	MA	02119

Roofing

1	Capeway Roofing Systems, Inc.	664 Sanford Rd	Westport	MA	02790
2	Feeley, McAnespie Inc	PO BOX 280	Chelmsford	MA	01824
3	Gibson Roofs, Inc	369 Winter St.	Hanover	MA	02339
4	Greenwood Industries Inc	640 Lincoln St.	Worcester	MA	01605
5	JD Rivet & Co., Inc.	1635 Page Blvd	Springfield	MA	01104
6	Rockwell Roofing	44 Pond St	Leominster	MA	01453
7	Silktown Roofing	27 Pleasant St	Manchester	CT	06040
8	Stanley Roofing	42 Mitchell Rd.	Ipswich	MA	01938

Glass & Glazing

1	A&A Window Products	15 Joseph St.	Malden	MA	02148
2	Aluminum & Glass Concepts	PO Box 279	Wilmington	MA	01887
3	Chandler Architectural Products	255 Interstate Dr.	West Springfield	MA	01089
4	Greenfield Glass	52 River Street	Greenfield	MA	01301
5	GVW, Inc	1200 Bennington St	East Boston	MA	02128
6	Kapiloff's Glass Inc	5 Hoosac St	Adams	MA	01220
7	Lizotte Glass, Inc.	390 Race St.	Holyoke	MA	01040

Tile

1	Ayotte & King	165 Trilby Ave	Chicopee	MA	01020
2	Capital Carpet and Flooring	64 Industrial Way	Wilmington	MA	01887
3	CJM Services	PO Box 424	Norwood	MA	02062
4	Joseph Cohn & Son Tile & Terrazzo, LLC	50 Devine St	North Haven	CT	06473
5	Pavilion Floors	90 Commerce Way	Woburn	MA	01801

Acoustical Ceilings

1	Central Ceilings	36 Norfolk Ave	South Easton	MA	02375
2	H. Carr and Sons	100 Royal Little Dr.	Providence	RI	02908
3	K&K Acoustical Ceilings	1881 Main St #7	Tewksbury	MA	01876
4	One Source Construction	5 Wayside Inn Rd.	Framingham	MA	01701
5	The Cheviot Corporation	55 Fourth Ave	Needham Heights	MA	02494

Resilient Flooring

1	Ayotte & King	165 Trilby Ave	Chicopee	MA	01020
2	Capital Carpet and Flooring	64 Industrial Way	Wilmington	MA	01887
3	CJM Services	PO Box 424	Norwood	MA	02062
4	Pavilion Floors	90 Commerce Way	Woburn	MA	01801

Painting

1	Color Concepts	271 Jenckes Hill Rd	Lincoln	RI	02865
2	Dandis Contracting Inc	1020 Turnpike St. Unit 12	Canton	MA	02021
3	Homer Contracting	195 Broadway	Arlington	MA	02474
4	Keltic Painting	189 Hill Rd.	Thompson	CT	06277

5	King Painting	50 High St. Suite 22	North Andover	MA	01845
6	ML McDonald	50 Oakland St	Watertown	MA	02472
7	New Generation Painting	1R Newbury St, Suite 110	Peabody	MA	01960
8	O'Byrne Painting	21 Old Farm Road	Wayland	MA	01778
9	Select Paint & Finishes	40 Lowell Rd., Bldg 2, Ste A	Salem	NH	03079

Elevator

Pending receipt of additional RFQ responses

Fire Protection

1	Carlysle Engineering	132 Brookside Ave.	Jamaica Plain	MA	02130
2	Johnson Controls	95 Shawmut Rd.	Canton	MA	02021
3	Xcel Fire Protection, Inc.	11A Industrial Way, Unit 1	Salem	NH	03079

Plumbing

1	Araujo Bros Plumbing	PO Box 50225	New Bedford	MA	02745
2	Charles M. Moran Plumbing & Heating	54 Allen St.	Clinton	MA	01510
3	Glionna Plumbing & Heating	31 Staaf Rd	Saugus	MA	01906
4	Grasseschi Plumbing and Heating, Inc	1299 Grafton St	Worcester	MA	01604
5	Harold Brothers	44 Woodrock Rd.	Weymouth	MA	02189
6	Harold Brothers Mechanical	44 Woodrock Rd.	Weymouth	MA	02189
7	KMD Mechanical Corp	310 Southwest Cutoff	Worcester	MA	01604
8	Kneeland Plumbing and Heating	63 Hammond St	Rowley	MA	01969
9	LaPan Mechanical Contractors	3 Bethany St	Worcester	MA	01604
10	NB Kenney	68 Barnum Rd.	Devens	MA	01434
11	Robert Irvine & Sons	147 Blossom St.	Lynn	MA	01902

HVAC

1	Adams Plumbing & Heating	PO Box 126	Adams	MA	01220
2	Ambient Temp Corp	14 Graf Rd	Newburyport	MA	01950
3	CAM HVAC	116 Lydia Ann Rd	Smithfield	RI	02917
4	Division 15	300 Oak St., Ste 930	Pembroke	MA	02359
5	Enterprise Equipment	276 Libbey Parkway	Weymouth	MA	02189
6	General Mechanical Contractors	29A Sword St.	Auburn	MA	01501
7	Harold Brothers Mechanical	44 Woodrock Rd.	Weymouth	MA	02189
8	JF White	10 Burr St	Framingham	MA	01701
9	KMD Mechanical Corp	310 Southwest Cutoff	Worcester	MA	01604
10	NB Kenney	68 Barnum Rd.	Devens	MA	01434
11	Seekonk	911 Taunton Ave	Seekonk	MA	02771
12	Thomas Snowden, Inc.	189 Central St.	Saugus	MA	01906
13	Veterans Development Corp	120 Longwater Dr., Ste 103	Norwell	MA	02061

Electrical

1	American Electrical	180 South Meadow Rd	Plymouth	MA	02360
2	Annese	280 Libbey Industrial Parkway	Weymouth	MA	02189

3 Brite Lite Electrical	11 Front St	Weymouth	MA	02188
4 Collins Electric	53 Second Ave	Chicopee	MA	01020
5 Elm Electrical	68 Union St	Westfield	MA	01085
6 Energy Electric	740 Quaker Highway	Uxbridge	MA	01569
7 Jupiter	142 B Lafayette Road	Salisbury	MA	01952
8 M-V Electrical	10 Conduit St	Acushnet	MA	02743
9 Systems Contracting	7 Scobee Circle	Plymouth	MA	02360
10 Wayne J Griffin Electrical	116 Hopping Brook Rd	Holliston	MA	01746

SECTION 040001

MASONRY WORK

(Filed Sub-Bid Required)

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 1 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

Time, Manner and Requirements for Submitting Sub-Bids:

1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission:

NAME OF SUB-BIDDER: (Insert name of sub-bidder)

MASS. STATE PROJECT: ((Insert project number from top of page))

SUB-BID FOR SECTION: 040001 – MASONRY WORK

2. Sub-bids filed with the Town of Ashland shall be accompanied by BID BOND or CASH or CERTIFIED CHECK or TREASURER'S CHECK or CASHIER'S CHECK issued by a responsible bank or trust company payable to the Town of Ashland in the amount of five percent of the sub-bid. A sub-bid accompanied by any other form of bid deposit than those specified will be rejected.

- B. Sub Sub-Bid Requirements: (None required under this Section.)

- C. Reference Drawings: The Work of this Filed Sub-Bid is shown on the following Contract Drawings:

G-00A COVER
G-001 STANDARD NOTES, TYPICAL INTERIOR PARTITIONS & MOUNTING HEIGHTS
G-002 EXTERIOR ASSEMBLIES
G-003 CODE REVIEW
G-004 EGRESS PLANS
G-005 CODE REVIEW TABLES
A-100 ARCHITECTURAL SITE PLAN
A-101 LEVEL 1 FLOOR PLAN
A-102 LEVEL 2 FLOOR PLAN
A-103 LEVEL 3 FLOOR PLAN
A-104 ROOF PLAN
A-105 CARPORT & TRASH ENCLOSURE DRAWINGS
A-111 LEVEL 1 SLAB PLAN
A-112 LEVEL 2 EDGE OF DECK PLAN

A-113 LEVEL 3 EDGE OF DECK PLAN
A-201 LEVEL 1 REFLECTED CEILING PLAN
A-202 LEVEL 2 REFLECTED CEILING PLAN
A-203 LEVEL 3 REFLECTED CEILING PLAN
A-300 EXTERIOR ELEVATIONS
A-301 EXTERIOR ELEVATIONS
A-400 BUILDING SECTIONS
A-401 BUILDING SECTIONS
A-500 WALL SECTIONS
A-501 WALL SECTIONS
A-502 WALL SECTIONS
A-503 WALL SECTIONS
A-504 WALL SECTIONS
A-505 WALL SECTIONS
A-510 ROOF DETAILS
A-511 ROOF DETAILS
A-512 ROOF DETAILS
A-520 SECTION DETAILS
A-530 PLAN DETAILS
A-531 PLAN DETAILS
A-600 STAIR 1 DRAWINGS
A-601 STAIR 2 DRAWINGS
A-603 ELEVATOR DRAWINGS
A-604 ACCESSIBLE LIFT, STAIR & FIRE POLE DRAWINGS
A-610 ENLARGED BATHROOM DRAWINGS
A-611 ENLARGED PLAN DRAWINGS
A-614 ENLARGED KITCHEN & BOOKING DRAWINGS
A-702 INTERIOR ELEVATIONS
A-704 INTERIOR ELEVATIONS
A-705 INTERIOR ELEVATIONS
A-800 DOOR SCHEDULE
A-801 DOOR DETAILS
A-802 DOOR DETAILS
A-810 WINDOW SCHEDULE AND DETAILS
A-811 WINDOW DETAILS
A-812 WINDOW DETAILS
A-813 STOREFRONT DETAILS

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
1. All Work of Section 034500 – ARCHITECTURAL PRECAST CONCRETE
 2. All Work of Section 042000 – UNIT MASONRY
- B. Alternates: Not Applicable.

END OF SECTION

SECTION 050001

MISCELLANEOUS AND ORNAMENTAL IRON

(Filed Sub-Bid Required)

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

B. Time, Manner and Requirements for Submitting Sub-Bids:

1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission:

NAME OF SUB-BIDDER: (Insert name of sub-bidder)

MASS. STATE PROJECT: ((Insert project number from top of page))

SUB-BID FOR SECTION: 050001 –MISCELLANEOUS AND ORNAMENTAL IRON

2. Sub-bids filed with the Town of Ashland shall be accompanied by BID BOND or CASH or CERTIFIED CHECK or TREASURER'S CHECK or CASHIER'S CHECK issued by a responsible bank or trust company payable to the Town of Ashland in the amount of five percent of the sub-bid. A sub-bid accompanied by any other form of bid deposit than those specified will be rejected.

C. Sub Sub-Bid Requirements: (None required under this Section.)

D. Reference Drawings: The Work of this Filed Sub-Bid is shown on the following Contract Drawings:

G-00A COVER
G-001 STANDARD NOTES, TYPICAL INTERIOR PARTITIONS & MOUNTING HEIGHTS
G-002 EXTERIOR ASSEMBLIES
G-003 CODE REVIEW
G-004 EGRESS PLANS
G-005 CODE REVIEW TABLES
C-200 GENERAL PLAN
C-602 SITE DETAILS – 2
C-603 SITE DETAILS - 3
A-100 ARCHITECTURAL SITE PLAN
A-101 LEVEL 1 FLOOR PLAN
A-102 LEVEL 2 FLOOR PLAN
A-103 LEVEL 3 FLOOR PLAN

A-104	ROOF PLAN
A-105	CARPORT & TRASH ENCLOSURE DRAWINGS
A-111	LEVEL 1 SLAB PLAN
A-112	LEVEL 2 EDGE OF DECK PLAN
A-113	LEVEL 3 EDGE OF DECK PLAN
A-201	LEVEL 1 REFLECTED CEILING PLAN
A-202	LEVEL 2 REFLECTED CEILING PLAN
A-203	LEVEL 3 REFLECTED CEILING PLAN
A-300	EXTERIOR ELEVATIONS
A-301	EXTERIOR ELEVATIONS
A-400	BUILDING SECTIONS
A-401	BUILDING SECTIONS
A-500	WALL SECTIONS
A-501	WALL SECTIONS
A-502	WALL SECTIONS
A-503	WALL SECTIONS
A-504	WALL SECTIONS
A-505	WALL SECTIONS
A-510	ROOF DETAILS
A-511	ROOF DETAILS
A-512	ROOF DETAILS
A-513	SKYLIGHT DETAILS
A-520	SECTION DETAILS
A-530	PLAN DETAILS
A-531	PLAN DETAILS
A-600	STAIR 1 DRAWINGS
A-601	STAIR 2 DRAWINGS
A-602	STAIR DETAILS
A-603	ELEVATOR DRAWINGS
A-604	ACCESSIBLE LIFT, STAIR & FIRE POLE DRAWINGS
A-614	ENLARGED KITCHEN & BOOKING DRAWINGS
A-800	DOOR SCHEDULE
A-801	DOOR DETAILS
A-802	DOOR DETAILS
A-810	WINDOW SCHEDULE AND DETAILS
A-811	WINDOW DETAILS
A-812	WINDOW DETAILS
A-813	STOREFRONT DETAILS
S-100	STRUCTURAL NOTES
S-120	TYPICAL DETAILS - 1
S-121	TYPICAL DETAILS - 2
S-122	TYPICAL DETAILS - 3
S-123	TYPICAL DETAILS - 4
S-200	FOUNDATION PLAN
S-400	LEVEL 2 FRAMING PLAN
S-401	LEVEL 3 FRAMING PLAN
S-402	ROOF FRAMING PLAN
S-500	FOUNDATION SECTIONS AND DETAILS - 1
S-501	FOUNDATION SECTIONS AND DETAILS - 2
S-600	SECTIONS AND DETAILS - 1
S-601	SECTIONS AND DETAILS - 2
S-602	SECTIONS AND DETAILS - 3
S-700	BRACING DETAILS AND ELEVATIONS
S-800	CARPORT PLANS, SECTIONS AND DETAILS
S-801	SHOOTING RANGE FOUNDATION PLAN AND DETAILS

FP-001 FIRE PROTECTION - LEGEND, DETAILS AND NOTES
FP-002 FIRE PROTECTION - SITE PLAN
FP-100 FIRE PROTECTION - FIRST FLOOR RCP
FP-101 FIRE PROTECTION - SECOND FLOOR RCP
FP-102 FIRE PROTECTION - THIRD FLOOR RCP
P001 PLUMBING - LEGEND, NOTES AND DETAILS
P002 PLUMBING DETAILS
P101 PLUMBING - FIRST FLOOR PLAN
P102 PLUMBING - SECOND FLOOR PLAN
P103 PLUMBING - THIRD FLOOR PLAN
P104 PLUMBING - ROOF PLAN
M-001 TITLE SHEET - HVAC
M-101 FIRST FLOOR DUCTWORK PLAN - HVAC
M-102 SECOND FLOOR DUCTWORK PLAN - HVAC
M-103 THIRD FLOOR DUCTWORK PLAN - HVAC
M-104 ROOF PLAN - HVAC
M-201 FIRST FLOOR PIPING PLAN - HVAC
M-202 SECOND FLOOR PIPING PLAN - HVAC
M-203 THIRD FLOOR PIPING PLAN - HVAC
M-303 DETAILS II - HVAC
E001 ELECTRICAL SYMBOL LIST
E002 LIGHTING FIXTURE SCHEDULE
E003 ELECTRICAL SITE PLAN
E004 ELECTRICAL SITE DETAILS
E005 ELECTRICAL SITE DETAILS
E101 LEVEL 01 FLOOR PLAN - LIGHTING
E102 LEVEL 02 FLOOR PLAN - LIGHTING
E103 LEVEL 03 FLOOR PLAN - LIGHTING
E201 LEVEL 01 FLOOR PLAN - POWER
E202 LEVEL 02 FLOOR PLAN - POWER
E203 LEVEL 03 FLOOR PLAN - POWER
E204 OVERALL ROOF PLAN
E303 ELECTRICAL DETAILS
E304 ELECTRICAL DETAILS
E305 ELEC. SCHEDULE OF MECHANICAL & PLUMBING EQUIPMENT
E307 LIGHTNING PROTECTION DETAILS
E308 GROUNDING RISERS
GT-1.1 GEOTHERMAL WELL FIELD LAYOUT AND GENERAL NOTES
GT-1.2 GEOTHERMAL WELL DETAILS

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
1. All Work in Section 055000 - METAL FABRICATIONS.
 2. All Work of Section 055100 - METAL STAIRS AND RAILINGS.
- B. Alternates: Not Applicable.

END OF SECTION

SECTION 070001

WATERPROOFING, DAMPPROOFING AND CAULKING

(Filed Sub-Bid Required)

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

B. Time, Manner and Requirements for Submitting Sub-Bids:

1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission:

NAME OF SUB-BIDDER: (Insert name of sub-bidder)

MASS. STATE PROJECT: ((Insert project number from top of page))

SUB-BID FOR SECTION: 070001 – WATERPROOFING, DAMPPROOFING
AND CAULKING.

2. Sub-bids filed with the Town of Ashland shall be accompanied by BID BOND or CASH or CERTIFIED CHECK or TREASURER'S CHECK or CASHIER'S CHECK issued by a responsible bank or trust company payable to the Town of Ashland in the amount of five percent of the sub-bid. A sub-bid accompanied by any other form of bid deposit than those specified will be rejected.

C. Sub Sub-Bid Requirements: (None required under this Section.)

D. Reference Drawings: The Work of this Filed Sub-Bid is shown on the following Contract Drawings:

G-00A COVER
G-001 STANDARD NOTES, TYPICAL INTERIOR PARTITIONS & MOUNTING HEIGHTS
G-002 EXTERIOR ASSEMBLIES
G-003 CODE REVIEW
G-004 EGRESS PLANS
G-005 CODE REVIEW TABLES
A-100 ARCHITECTURAL SITE PLAN
A-101 LEVEL 1 FLOOR PLAN
A-102 LEVEL 2 FLOOR PLAN
A-103 LEVEL 3 FLOOR PLAN
A-104 ROOF PLAN
A-105 CARPORT & TRASH ENCLOSURE DRAWINGS
A-111 LEVEL 1 SLAB PLAN

A-112 LEVEL 2 EDGE OF DECK PLAN
A-113 LEVEL 3 EDGE OF DECK PLAN
A-201 LEVEL 1 REFLECTED CEILING PLAN
A-202 LEVEL 2 REFLECTED CEILING PLAN
A-203 LEVEL 3 REFLECTED CEILING PLAN
A-300 EXTERIOR ELEVATIONS
A-301 EXTERIOR ELEVATIONS
A-400 BUILDING SECTIONS
A-401 BUILDING SECTIONS
A-500 WALL SECTIONS
A-501 WALL SECTIONS
A-502 WALL SECTIONS
A-503 WALL SECTIONS
A-504 WALL SECTIONS
A-505 WALL SECTIONS
A-510 ROOF DETAILS
A-511 ROOF DETAILS
A-512 ROOF DETAILS
A-513 SKYLIGHT DETAILS
A-520 SECTION DETAILS
A-530 PLAN DETAILS
A-531 PLAN DETAILS
A-600 STAIR 1 DRAWINGS
A-601 STAIR 2 DRAWINGS
A-602 STAIR DETAILS
A-603 ELEVATOR DRAWINGS
A-604 ACCESSIBLE LIFT, STAIR & FIRE POLE DRAWINGS
A-610 ENLARGED BATHROOM DRAWINGS
A-611 ENLARGED PLAN DRAWINGS
A-612 WOMENS LOCKER ROOM
A-613 MENS LOCKER ROOM
A-614 ENLARGED KITCHEN & BOOKING DRAWINGS
A-800 DOOR SCHEDULE
A-801 DOOR DETAILS
A-802 DOOR DETAILS
A-810 WINDOW SCHEDULE AND DETAILS
A-811 WINDOW DETAILS
A-812 WINDOW DETAILS
A-813 STOREFRONT DETAILS

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
1. All Work of Section 071400 - FLUID-APPLIED WATERPROOFING
 2. All Work of Section 071610 - CRYSTALLINE WATERPROOFING
 3. All Work of Section 072700 - AIR BARRIERS
 4. All Work of Section 079200 - JOINT SEALANTS
- B. Alternates: Not Applicable.

END OF SECTION

SECTION 070002

ROOFING AND FLASHING

(Filed Sub-Bid Required)

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

- B. Time, Manner and Requirements for Submitting Sub-Bids:

1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission:

NAME OF SUB-BIDDER: (Insert name of sub-bidder)

MASS. STATE PROJECT: ((Insert project number from top of page))

SUB-BID FOR SECTION: 070002 – ROOFING AND FLASHING

2. Sub-bids filed with the Town of Ashland shall be accompanied by BID BOND or CASH or CERTIFIED CHECK or TREASURER'S CHECK or CASHIER'S CHECK issued by a responsible bank or trust company payable to the Town of Ashland in the amount of five percent of the sub-bid. A sub-bid accompanied by any other form of bid deposit than those specified will be rejected.

- C. Sub Sub-Bid Requirements: (None required under this Section.)

- D. Reference Drawings: The Work of this Filed Sub-Bid is shown on the following Contract Drawings:

G-00A COVER
G-001 STANDARD NOTES, TYPICAL INTERIOR PARTITIONS & MOUNTING HEIGHTS
G-002 EXTERIOR ASSEMBLIES
G-003 CODE REVIEW
G-004 EGRESS PLANS
G-005 CODE REVIEW TABLES
A-100 ARCHITECTURAL SITE PLAN
A-101 LEVEL 1 FLOOR PLAN
A-102 LEVEL 2 FLOOR PLAN
A-103 LEVEL 3 FLOOR PLAN
A-104 ROOF PLAN
A-105 CARPORT & TRASH ENCLOSURE DRAWINGS
A-111 LEVEL 1 SLAB PLAN
A-112 LEVEL 2 EDGE OF DECK PLAN

A-113 LEVEL 3 EDGE OF DECK PLAN
A-201 LEVEL 1 REFLECTED CEILING PLAN
A-202 LEVEL 2 REFLECTED CEILING PLAN
A-203 LEVEL 3 REFLECTED CEILING PLAN
A-300 EXTERIOR ELEVATIONS
A-301 EXTERIOR ELEVATIONS
A-400 BUILDING SECTIONS
A-401 BUILDING SECTIONS
A-500 WALL SECTIONS
A-501 WALL SECTIONS
A-502 WALL SECTIONS
A-503 WALL SECTIONS
A-504 WALL SECTIONS
A-505 WALL SECTIONS
A-510 ROOF DETAILS
A-511 ROOF DETAILS
A-512 ROOF DETAILS
A-513 SKYLIGHT DETAILS
A-520 SECTION DETAILS
A-530 PLAN DETAILS
A-531 PLAN DETAILS
A-800 DOOR SCHEDULE
A-801 DOOR DETAILS
A-802 DOOR DETAILS
A-810 WINDOW SCHEDULE AND DETAILS
A-811 WINDOW DETAILS
A-812 WINDOW DETAILS
A-813 STOREFRONT DETAILS

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
1. All Work of Section 075400 - THERMOPLASTIC MEMBRANE ROOFING
 2. All Work of Section 076100 - SHEET METAL ROOFING
 3. All Work of Section 076200 - SHEET METAL FLASHING AND TRIM
 4. All Work of Section 329500 - VEGETATED ROOF ASSEMBLIES
- B. Alternates: Not Applicable.

END OF SECTION

SECTION 080002

GLASS AND GLAZING

(Filed Sub-Bid Required)

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

- B. Time, Manner and Requirements for Submitting Sub-Bids:

1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission:

NAME OF SUB-BIDDER: (Insert name of sub-bidder)

MASS. STATE PROJECT: ((Insert project number from top of page))

SUB-BID FOR SECTION: 080002 – GLASS AND GLAZING

2. Sub-bids filed with the Town of Ashland shall be accompanied by BID BOND or CASH or CERTIFIED CHECK or TREASURER'S CHECK or CASHIER'S CHECK issued by a responsible bank or trust company payable to the Town of Ashland in the amount of five percent of the sub-bid. A sub-bid accompanied by any other form of bid deposit than those specified will be rejected.

- C. Sub Sub-Bid Requirements: (None required under this Section.)

- D. Reference Drawings: The Work of this Filed Sub-Bid is shown on the following Contract Drawings:

G-00A COVER
G-001 STANDARD NOTES, TYPICAL INTERIOR PARTITIONS & MOUNTING HEIGHTS
G-002 EXTERIOR ASSEMBLIES
G-003 CODE REVIEW
G-004 EGRESS PLANS
G-005 CODE REVIEW TABLES
A-101 LEVEL 1 FLOOR PLAN
A-102 LEVEL 2 FLOOR PLAN
A-103 LEVEL 3 FLOOR PLAN
A-104 ROOF PLAN
A-300 EXTERIOR ELEVATIONS
A-301 EXTERIOR ELEVATIONS
A-400 BUILDING SECTIONS
A-401 BUILDING SECTIONS

A-500 WALL SECTIONS
A-501 WALL SECTIONS
A-502 WALL SECTIONS
A-503 WALL SECTIONS
A-504 WALL SECTIONS
A-505 WALL SECTIONS
A-513 SKYLIGHT DETAILS
A-530 PLAN DETAILS
A-531 PLAN DETAILS
A-612 WOMENS LOCKER ROOM
A-613 MENS LOCKER ROOM
A-614 ENLARGED KITCHEN & BOOKING DRAWINGS
A-700 INTERIOR ELEVATIONS
A-701 INTERIOR ELEVATIONS
A-702 INTERIOR ELEVATIONS
A-703 INTERIOR ELEVATIONS
A-704 INTERIOR ELEVATIONS
A-705 INTERIOR ELEVATIONS
A-800 DOOR SCHEDULE
A-801 DOOR DETAILS
A-802 DOOR DETAILS
A-810 WINDOW SCHEDULE AND DETAILS
A-811 WINDOW DETAILS
A-812 WINDOW DETAILS
A-813 STOREFRONT DETAILS

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
1. All Work of Section 088000 - INTERIOR GLAZING.
 2. All Work of Section 084226 - BUTT-GLAZED INTERIOR GLASS PARTITIONS AND DOORS
- B. Alternates: Not Applicable.

END OF SECTION

SECTION 090002

TILE

(Filed Sub-Bid Required)

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

B. Time, Manner and Requirements for Submitting Sub-Bids:

1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission:

NAME OF SUB-BIDDER: (Insert name of sub-bidder)

MASS. STATE PROJECT: ((Insert project number from top of page))

SUB-BID FOR SECTION: 090002 - TILE

2. Sub-bids filed with the Town of Ashland shall be accompanied by BID BOND or CASH or CERTIFIED CHECK or TREASURER'S CHECK or CASHIER'S CHECK issued by a responsible bank or trust company payable to the Town of Ashland in the amount of five percent of the sub-bid. A sub-bid accompanied by any other form of bid deposit than those specified will be rejected.

C. Sub Sub-Bid Requirements: (None required under this Section.)

D. Reference Drawings: The Work of this Filed Sub-Bid is shown on the following Contract Drawings:

G-00A COVER
G-001 STANDARD NOTES, TYPICAL INTERIOR PARTITIONS & MOUNTING HEIGHTS
G-003 CODE REVIEW
G-004 EGRESS PLANS
A-101 LEVEL 1 FLOOR PLAN
A-102 LEVEL 2 FLOOR PLAN
A-103 LEVEL 3 FLOOR PLAN
A-400 BUILDING SECTIONS
A-401 BUILDING SECTIONS
A-610 ENLARGED BATHROOM DRAWINGS
A-611 ENLARGED PLAN DRAWINGS
A-612 WOMENS LOCKER ROOM
A-613 MENS LOCKER ROOM
A-900 ROOM FINISH SCHEDULE, DETAILS AND TOILET ACCESSORY SCHEDULE

A-901 LEVEL 1 FINISH PLAN
A-902 LEVEL 2 FINISH PLAN
A-903 LEVEL 3 FINISH PLAN

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
 - 1. All Work of Section 093000 - TILING
- B. Alternates: Not Applicable.

END OF SECTION

SECTION 090003

ACOUSTICAL TILE
(Filed Sub-Bid Required)

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

- B. Time, Manner and Requirements for Submitting Sub-Bids:

1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission:

NAME OF SUB-BIDDER: (Insert name of sub-bidder)

MASS. STATE PROJECT: ((Insert project number from top of page))

SUB-BID FOR SECTION: 090003 – ACOUSTICAL TILE

2. Sub-bids filed with the Town of Ashland shall be accompanied by BID BOND or CASH or CERTIFIED CHECK or TREASURER'S CHECK or CASHIER'S CHECK issued by a responsible bank or trust company payable to the Town of Ashland in the amount of five percent of the sub-bid. A sub-bid accompanied by any other form of bid deposit than those specified will be rejected.

- C. Sub Sub-Bid Requirements: (None required under this Section.)

- D. Reference Drawings: The Work of this Filed Sub-Bid is shown on the following Contract Drawings:

G-00A COVER
G-001 STANDARD NOTES, TYPICAL INTERIOR PARTITIONS & MOUNTING HEIGHTS
G-003 CODE REVIEW
G-004 EGRESS PLANS
A-101 LEVEL 1 FLOOR PLAN
A-102 LEVEL 2 FLOOR PLAN
A-103 LEVEL 3 FLOOR PLAN
A-201 LEVEL 1 REFLECTED CEILING PLAN
A-202 LEVEL 2 REFLECTED CEILING PLAN
A-203 LEVEL 3 REFLECTED CEILING PLAN
A-204 CEILING DETAILS
A-400 BUILDING SECTIONS
A-401 BUILDING SECTIONS
A-500 WALL SECTIONS
A-501 WALL SECTIONS

A-502 WALL SECTIONS
A-503 WALL SECTIONS
A-504 WALL SECTIONS
A-505 WALL SECTIONS
A-512 ROOF DETAILS
A-600 STAIR 1 DRAWINGS
A-601 STAIR 2 DRAWINGS
A-604 ACCESSIBLE LIFT, STAIR & FIRE POLE DRAWINGS
A-813 STOREFRONT DETAILS
A-900 ROOM FINISH SCHEDULE, DETAILS AND TOILET ACCESSORY SCHEDULE

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
1. All Work of Section 095100 - ACOUSTICAL CEILINGS
 2. All Work of Section 095723 - SECURITY CEILING SYSTEMS
- B. Alternates: Not Applicable.

END OF SECTION

SECTION 090005

RESILIENT FLOORS

(Filed Sub-Bid Required)

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

B. Time, Manner and Requirements for Submitting Sub-Bids:

1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission:

NAME OF SUB-BIDDER: (Insert name of sub-bidder)

MASS. STATE PROJECT: ((Insert project number from top of page))

SUB-BID FOR SECTION: 090005 – RESILIENT FLOORS

2. Sub-bids filed with the Town of Ashland shall be accompanied by BID BOND or CASH or CERTIFIED CHECK or TREASURER'S CHECK or CASHIER'S CHECK issued by a responsible bank or trust company payable to the Town of Ashland in the amount of five percent of the sub-bid. A sub-bid accompanied by any other form of bid deposit than those specified will be rejected.

C. Sub Sub-Bid Requirements: (None required under this Section.)

D. Reference Drawings: The Work of this Filed Sub-Bid is shown on the following Contract Drawings:

G-00A COVER
G-001 STANDARD NOTES, TYPICAL INTERIOR PARTITIONS & MOUNTING HEIGHTS
G-003 CODE REVIEW
G-004 EGRESS PLANS
A-101 LEVEL 1 FLOOR PLAN
A-102 LEVEL 2 FLOOR PLAN
A-103 LEVEL 3 FLOOR PLAN
A-111 LEVEL 1 SLAB PLAN
A-400 BUILDING SECTIONS
A-401 BUILDING SECTIONS
A-600 STAIR 1 DRAWINGS
A-601 STAIR 2 DRAWINGS
A-602 STAIR DETAILS
A-604 ACCESSIBLE LIFT, STAIR & FIRE POLE DRAWINGS

A-614 ENLARGED KITCHEN & BOOKING DRAWINGS
A-700 INTERIOR ELEVATIONS
A-701 INTERIOR ELEVATIONS
A-702 INTERIOR ELEVATIONS
A-703 INTERIOR ELEVATIONS
A-704 INTERIOR ELEVATIONS
A-705 INTERIOR ELEVATIONS
A-710 MILLWORK DETAILS
A-711 MILLWORK DETAILS
A-900 ROOM FINISH SCHEDULE, DETAILS AND TOILET ACCESSORY SCHEDULE
A-901 LEVEL 1 FINISH PLAN
A-902 LEVEL 2 FINISH PLAN
A-903 LEVEL 3 FINISH PLAN

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
1. All Work of Section 096510 - RESILIENT FLOORING AND ACCESSORIES
 2. All Work of Section 096560 - RESILIENT ATHLETIC FLOORING
- B. Alternates: Not Applicable.

END OF SECTION

SECTION 090007

PAINTING

(Filed Sub-Bid Required)

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

- B. Time, Manner and Requirements for Submitting Sub-Bids:

1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission:

NAME OF SUB-BIDDER: (Insert name of sub-bidder)

MASS. STATE PROJECT: ((Insert project number from top of page))

SUB-BID FOR SECTION: 090007 – PAINTING

2. Sub-bids filed with the Town of Ashland shall be accompanied by BID BOND or CASH or CERTIFIED CHECK or TREASURER'S CHECK or CASHIER'S CHECK issued by a responsible bank or trust company payable to the Town of Ashland in the amount of five percent of the sub-bid. A sub-bid accompanied by any other form of bid deposit than those specified will be rejected.

- C. Sub Sub-Bid Requirements: (None required under this Section.)

- D. Reference Drawings: The Work of this Filed Sub-Bid is shown on the following Contract Drawings:

G-00A COVER
G-001 STANDARD NOTES, TYPICAL INTERIOR PARTITIONS & MOUNTING HEIGHTS
G-002 EXTERIOR ASSEMBLIES
G-003 CODE REVIEW
G-004 EGRESS PLANS
G-005 CODE REVIEW TABLES
A-100 ARCHITECTURAL SITE PLAN
A-101 LEVEL 1 FLOOR PLAN
A-102 LEVEL 2 FLOOR PLAN
A-103 LEVEL 3 FLOOR PLAN
A-104 ROOF PLAN
A-105 CARPORT & TRASH ENCLOSURE DRAWINGS
A-201 LEVEL 1 REFLECTED CEILING PLAN
A-202 LEVEL 2 REFLECTED CEILING PLAN

A-203	LEVEL 3 REFLECTED CEILING PLAN
A-204	CEILING DETAILS
A-300	EXTERIOR ELEVATIONS
A-301	EXTERIOR ELEVATIONS
A-400	BUILDING SECTIONS
A-401	BUILDING SECTIONS
A-500	WALL SECTIONS
A-501	WALL SECTIONS
A-502	WALL SECTIONS
A-503	WALL SECTIONS
A-504	WALL SECTIONS
A-505	WALL SECTIONS
A-510	ROOF DETAILS
A-511	ROOF DETAILS
A-512	ROOF DETAILS
A-513	SKYLIGHT DETAILS
A-520	SECTION DETAILS
A-530	PLAN DETAILS
A-531	PLAN DETAILS
A-600	STAIR 1 DRAWINGS
A-601	STAIR 2 DRAWINGS
A-602	STAIR DETAILS
A-603	ELEVATOR DRAWINGS
A-604	ACCESSIBLE LIFT, STAIR & FIRE POLE DRAWINGS
A-610	ENLARGED BATHROOM DRAWINGS
A-611	ENLARGED PLAN DRAWINGS
A-612	WOMENS LOCKER ROOM
A-613	MENS LOCKER ROOM
A-614	ENLARGED KITCHEN & BOOKING DRAWINGS
A-700	INTERIOR ELEVATIONS
A-701	INTERIOR ELEVATIONS
A-702	INTERIOR ELEVATIONS
A-703	INTERIOR ELEVATIONS
A-704	INTERIOR ELEVATIONS
A-705	INTERIOR ELEVATIONS
A-710	MILLWORK DETAILS
A-711	MILLWORK DETAILS
A-800	DOOR SCHEDULE
A-801	DOOR DETAILS
A-802	DOOR DETAILS
A-810	WINDOW SCHEDULE AND DETAILS
A-811	WINDOW DETAILS
A-812	WINDOW DETAILS
A-813	STOREFRONT DETAILS
A-900	ROOM FINISH SCHEDULE, DETAILS AND TOILET ACCESSORY SCHEDULE
A-901	LEVEL 1 FINISH PLAN
A-902	LEVEL 2 FINISH PLAN
A-903	LEVEL 3 FINISH PLAN
FP-001	FIRE PROTECTION - LEGEND, DETAILS AND NOTES
FP-100	FIRE PROTECTION - FIRST FLOOR RCP
FP-101	FIRE PROTECTION - SECOND FLOOR RCP
P001	PLUMBING - LEGEND, NOTES AND DETAILS
P002	PLUMBING DETAILS
P101	PLUMBING - FIRST FLOOR PLAN
P102	PLUMBING - SECOND FLOOR PLAN

P103 PLUMBING - THIRD FLOOR PLAN
M-101 FIRST FLOOR DUCTWORK PLAN – HVAC
M-102 SECOND FLOOR DUCTWORK PLAN – HVAC
M-103 THIRD FLOOR DUCTWORK PLAN - HVAC
M-201 FIRST FLOOR PIPING PLAN – HVAC
M-202 SECOND FLOOR PIPING PLAN – HVAC
M-203 THIRD FLOOR PIPING PLAN – HVAC
E001 ELECTRICAL SYMBOL LIST
E005 ELECTRICAL SITE DETAILS

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
1. All Work of Section 099000 - PAINTING AND COATING
- B. Alternates: Not Applicable.

END OF SECTION

SECTION 105613

METAL STORAGE SHELVING

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
 - 1. Post-and-shelf metal storage shelving.
- B. Alternates: Not Applicable.
- C. Items To Be Installed Only: Not Applicable.
- D. Items To Be Furnished Only: Not Applicable.

1.3 PERFORMANCE REQUIREMENTS

- A. Structural Performance for Post-and-Shelf Metal Storage Shelving: Provide metal storage shelving capable of withstanding the loads indicated when tested according to MH 28.1, "Specification for the Design, Testing, Utilization and Application of Industrial Grade Steel Shelving."

1.4 SUBMITTALS

- A. Product Data: Include rated capacities, construction details, material descriptions, dimensions of individual components and profiles, and finishes for metal storage shelving.
- B. Shop Drawings: Show fabrication and installation details for metal storage shelving, including upright-to-shelf/arm connections, lateral bracing, and attachments to other work. Include plans, elevations, sections, details, and relationship to other work.
- C. Samples for Verification: For the following components, of size indicated below.
 - 1. Posts: 12 inches long.
 - 2. Shelves: Full size, but not more than 24 inches wide by 12 inches deep.
 - 3. Shelf-to-Post Connectors: Full size.
 - 4. Shelf Labels: Full size.
- D. Product Schedule: For metal storage shelving. Use same designations indicated on Drawings.
- E. Qualification Data: For Installer.

- F. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each type of metal storage shelving.
- G. Maintenance Data: For metal storage shelving to include in maintenance manuals.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of units required for this Project.
- B. Source Limitations: Obtain metal storage shelving through one source from a single manufacturer.
- C. Product Options: Drawings indicate size, profiles, and dimensional requirements of metal storage shelving and are based on the specific system indicated. Refer to Division 1 Section "Product Requirements."
 - 1. Do not modify intended structural performance and aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.
- D. Welding: Qualify procedures and personnel according to AWS D1.3, "Structural Welding Code-Sheet Steel."

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver metal storage shelving palletted, wrapped, or crated to provide protection during transit and Project-site storage.

1.7 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install metal storage shelving until spaces are enclosed and weatherproof, wet work in spaces is completed and dry, and ambient temperature is being maintained at the levels indicated for Project when occupied for its intended use.

1.8 COORDINATION

- A. Coordinate sizes and locations of blocking and backing required for installation of metal storage shelving attached to partition and wall assemblies.
- B. Coordinate locations and installation of metal storage shelving that may interfere with ceiling systems including lighting, HVAC, and sprinklers.

1.9 EXTRA MATERIALS

- A. Furnish extra materials described below, before installation begins, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Shelves: Full-size units equal to 5percent of amount installed for each type indicated, but no fewer than 10 shelves.
 - 2. Shelf-to-Post Connectors: Full-size units equal to 5percent of amount installed for each type indicated, but no fewer than 10 connectors.

3. Shelf Labels: Full-size units equal to 5 percent of amount installed for each type indicated, but no fewer than 10 labels.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 1. Equipto.
 2. Gillis Associated Industries.
 3. Lyon Metal Products, Inc.
 4. Metro Shelving.
 5. Rangine Corp.

2.2 MATERIALS

- A. Stainless-Steel Tubing: ASTM A 554, Grade MT-304.
- B. Stainless-Steel Wire: ASTM A 580/A 580M, Type 304.
- C. Postinstalled Expansion Anchors in Concrete: With capability to sustain, without failure, a load equal to 4 times the load imposed, as determined by testing per ASTM E 488, conducted by a qualified independent testing agency.
 1. Corrosion Protection: Stainless-steel components complying with ASTM F 593 and ASTM F 594, Alloy Group 1 or 2 for nuts and bolts; ASTM A 666 or ASTM A 276, Type 304 or 316, for anchors.
- D. Power-Actuated Fasteners in Concrete: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with clips or other accessory devices for attaching foot plates for shelving units, and with capability to sustain, without failure, a load equal to 10 times that imposed by shelving systems, as determined by testing per ASTM E 1190, conducted by a qualified testing and inspecting agency.

2.3 POST-AND-SHELF METAL STORAGE SHELIVING

- A. Open-Wire, Post-and-Shelf Metal Storage Shelving Type 1: Factory-formed, field-assembled, freestanding, open-wire, post-and-shelf metal storage shelving system; designed for shelves to span between and be supported by corner posts, with shelves adjustable over the entire height of shelving unit. Fabricate initial shelving unit with a post at each corner. Fabricate additional shelving units similarly, so each unit is independent. Provide fixed top and bottom shelves, adjustable intermediate shelves, and accessories indicated.
 1. Manufacturers:
 - a. Equipto.
 - b. Gillis Associated Industries.
 - c. Metro Shelving.
 - d. Lyon Metal Products, Inc.

2. Posts: Fabricated from 0.035-inch- thick, 1-inch- OD, round tubing; with grooves or notches at 1 inch o.c. to receive shelf-to-post connectors. Label posts with numbers at not less than 2 inches o.c. for determining shelf height.
 - a. Post Material: Stainless steel.
 - b. Post Base: Bolt leveler with polymer glide.
 - c. Post Cap: Nylon or plastic.
3. Truss-Edge, Wire Shelves: Stainless steel wire-over-wire construction; with downturned wire truss edges; with manufacturer's standard post collar, designed to engage collet (wedge), welded at each corner.
 - a. Wire Pattern: 1 by 6 inches.
4. Shelf Capacity: 400 lb.
5. Shelf Quantity: As scheduled in Part 3.
6. Shelf-to-Post Connectors: Manufacturer's standard one-piece collet (wedge), designed to engage post collar attached to shelves.
7. Bracing: Manufacturer's standard diagonal cross bracing, as required for stability and load-carrying capacity.
8. Unit Sizes: As scheduled in Part 3.
9. Accessories:
 - a. Shelf Dividers: Fabricated from same material and with same finish as shelves, extending from top of shelf halfway up to shelf above.
 - b. Clear Shelf Inlays: Manufacturer's standard acrylic or polycarbonate sheet inlay. Provide where scheduled in Part 3.
 - c. Label Holders: Cold-rolled steel sheet, designed to clip onto front edge of shelf.
10. Finish: Stainless Steel.

2.4 FABRICATION

- A. Shop Assembly: Preassemble items in shop to greatest extent possible to minimize field splicing and assembly. Use connections that maintain structural value of joined pieces. Clearly mark units for reassembly and coordinated installation.
- B. Fabricate metal storage shelving square and rigid with posts plumb and true, and shelves flat and free of dents or distortion. Fabricate connections to form a rigid structure, free of buckling and warping.
- C. Shear and punch metals cleanly and accurately. Remove burrs.
- D. Weld corners and seams continuously to comply with referenced AWS standard and the following:
 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 2. Obtain fusion without undercut or overlap.
 3. Remove welding flux immediately.
 4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour of welded surface matches that of adjacent surface.

5. Weld before finishing components to greatest extent possible. Remove weld spatter and welding oxides from exposed surfaces by descaling or grinding.

- E. Build in straps, plates, brackets, and other reinforcements as needed to support shelf loading.
- F. Cut, reinforce, drill, and tap metal fabrications to receive hardware, fasteners, and similar items.
- G. Form exposed work true to line and level with accurate angles and surfaces and straight sharp edges.
- H. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners where possible. Locate joints where least conspicuous.

2.5 FINISHES, GENERAL

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

2.6 STAINLESS-STEEL FINISHES

- A. General: Remove tool and die marks and stretch lines or blend into finish. Grind and polish surfaces to produce uniform, directionally textured, polished finish indicated, free of cross scratches. Run grain with long dimension of each piece.
- B. Bright, Directional Polish: No. 4 finish.
- C. When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave surfaces chemically clean.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work.
- B. Examine floors for suitable conditions where metal storage shelving will be installed.
- C. Examine walls to which metal storage shelving will be attached for properly located blocking, grounds, or other solid backing for attachment of support fasteners.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Vacuum finished floor and wet mop resilient flooring over which metal storage shelving is to be installed.

3.3 INSTALLATION

- A. Install metal storage shelving level, plumb, square, rigid, and true, and within erection tolerances specified.

1. Adjust post base bolt leveler as required to achieve level and plumb installation.
2. Anchor shelving units to floor with postinstalled expansion anchors through foot plate. Shim foot plate as required to achieve level and plumb installation.
3. Connect side-to-side and back-to-back shelving units together at corner posts with support ties.
4. Install shelves in each shelving unit at spacing indicated on Drawings or, if not indicated, at equal spacing.
 - a. Post-and-Shelf Metal Storage Shelving: Install four clips, one at each post, for support of each shelf; with clips fully engaged in post perforations.

B. Accessories:

1. Shelf Dividers: Install 2 dividers per shelf.
2. Shelf Labels: Install one shelf label at each shelf, centered, vertically aligned within each shelving unit.

C. Erection Tolerances: Erect metal storage shelving with a maximum tolerance from vertical of 1/2 inch from 0 to 10 feet of height and remaining constant at a maximum of 1 inch for all heights taller than 10 feet.

3.4 ADJUSTING AND CLEANING

- A. Verify that shelves adjust easily and properly.
- B. On completion of installation, clean exposed surfaces as recommended by manufacturer.
- C. Touch up marred finishes or replace metal storage shelving that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by metal storage shelving manufacturer.
 1. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A 780.
- D. Replace metal storage shelving that has been damaged or has deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

3.5 SHELVING SCHEDULE

- A. Provide metal storage shelving units in **configurations indicated on Drawings.**

END OF SECTION

SECTION 140001

ELEVATORS

(FILED SUB-BID REQUIRED)

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

B. Time, Manner and Requirements for Submitting Sub-Bids:

1. Sub-bids for work under this Section shall be for the complete work and shall be filed electronically, as noted in "INSTRUCTIONS TO BIDDERS".

The following should be included in the submission:

NAME OF SUB-BIDDER: (Insert name of sub-bidder)

MASS. STATE PROJECT: ((Insert project number from top of page))

SUB-BID FOR SECTION: 140001 – ELEVATORS

2. Sub-bids filed with the Awarding Authority shall be accompanied by BID BOND or CASH or CERTIFIED CHECK or TREASURER'S CHECK or CASHIER'S CHECK issued by a responsible bank or trust company payable to the Awarding Authority in the amount of five percent of the sub-bid. A sub-bid accompanied by any other form of bid deposit than those specified will be rejected.

C. Sub Sub-Bid Requirements: (None required under this Section.)

D. Reference Drawings: The Work of this Filed Sub-Bid is shown on the following Contract Drawings:

G-00A COVER
G-001 STANDARD NOTES, TYPICAL INTERIOR PARTITIONS & MOUNTING HEIGHTS
G-002 EXTERIOR ASSEMBLIES
G-003 CODE REVIEW
G-004 EGRESS PLANS
G-005 CODE REVIEW TABLES
A-101 LEVEL 1 FLOOR PLAN
A-102 LEVEL 2 FLOOR PLAN
A-103 LEVEL 3 FLOOR PLAN
A-104 ROOF PLAN
A-111 LEVEL 1 SLAB PLAN
A-112 LEVEL 2 EDGE OF DECK PLAN
A-113 LEVEL 3 EDGE OF DECK PLAN
A-201 LEVEL 1 REFLECTED CEILING PLAN

A-202 LEVEL 2 REFLECTED CEILING PLAN
A-203 LEVEL 3 REFLECTED CEILING PLAN
A-300 EXTERIOR ELEVATIONS
A-301 EXTERIOR ELEVATIONS
A-400 BUILDING SECTIONS
A-401 BUILDING SECTIONS
A-603 ELEVATOR DRAWINGS
A-604 ACCESSIBLE LIFT, STAIR & FIRE POLE DRAWINGS

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
1. All Work of Section 142100 – ELECTRIC TRACTION ELEVATORS
 2. All Work of Section 144200 – WHEELCHAIR LIFTS
- B. Alternates: Not Applicable.

END OF SECTION