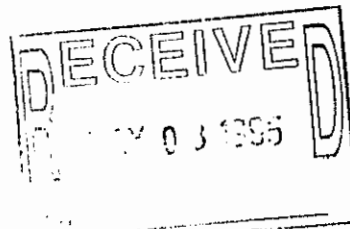


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REROOFING

PROJECT NO. 9512

(Submit in Triplicate)

DATE: _____

TO: Jaffrey Town Manager
69 Main Street
Jaffrey, New Hampshire 03452

FROM: _____

Bus. Phone: _____

Gentlemen:

- Having carefully examined the drawings and specifications entitled Jaffrey Meeting House /Reroofing, Jaffrey Center, New Hampshire, dated May 15, 1995, and Addenda Nos. _____ thereto, receipt of which is hereby acknowledged, and having visited the site, examined and become familiar with all conditions affecting the cost of the work, the undersigned hereby proposes to furnish all labor, materials, equipment and incidentals and perform all work in the manner and form required by the said documents for the stipulated sum of : _____ DOLLARS

(\$ _____) which sum is hereinafter called the **Base Bid**.

- The undersigned bidder agrees to execute a written agreement within seven (7) days from date of receipt of notice that this proposal is accepted. He further agrees to commence actual physical work on the site within seven (7) days of the date of written notice to proceed and to bring the project to Substantial Completion within _____ consecutive calander days.
- The undersigned bidder further proposes that should the following Alternates (refer to Section 15006 for complete description of each alternate) be accepted and incorporated into the contract, the Base Bid will be altered as follows:

Alternate No. 1: Substitute # 3 Black Label Perfections for the #1 Blue Label Cedar shingle specified.

DEDUCT THE SUM OF: \$ _____.

Unit Price: Roof sheathing will be provided and installed for the unit price of :

\$ _____/sf

Respectfully submitted:

Name of Company _____

Signed by * _____

END OF PROPOSAL FORM

SUPPLEMENTARY GENERAL CONDITIONSSECTION 007001. CONSTRUCTION CONTRACT:

The Contract for this Project shall be AIA Document A107, STANDARD FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR where the basis of payment is a STIPULATED SUM, 1987 Edition.

2. GENERAL CONDITIONS:

The General Conditions of the Contract for Construction, AIA Document A201, Fourteenth Edition, 1987 is hereby made a part of the Contract Documents. The above-mentioned document and the paragraphs of this section constitute the General Conditions of the Contract and shall apply to the Prime Contractor and all sub-contractors.

3. SUPPLEMENTARY CONDITIONS:

The following supplements modify, delete and/or add to the General Conditions.

3.05 Article 11, Section 11.1 Contractor's Liability Insurance. Add the following paragraph:

11.1.4 Types of Insurance and Limits of Liability:

1. Workmen's Compensation and Employer's Liability: State required minimum coverage.

2. Comprehensive General Liability

Limits of Liability:	Bodily Injury	\$ 500,000 each occurrence
		\$ 1,000,000 aggregate
	Property Damage	\$ 300,000 each occurrence
		\$ 1,000,000 aggregate

3. Comprehensive Automobile Liability (including Owner, non-owned and hired vehicles)

Limits of Liability:	Bodily Injury	\$ 500,000 each person
		\$1,000,000 each occurrence
	Property Damage	\$ 100,000 each occurrence
		\$ 500,000 aggregate

4. Subcontractors must carry the same insurance and minimum limits as in 1, 2, and 3 above, or Prime Contractor must insure activities of subcontractors in his own policy.

3.07 Guarantee:

Unless otherwise specified under the various headings, all work shall be guaranteed for a period of one year from time of substantial completion during which time any imperfection in workmanship or materials is to be corrected by the Prime Contractor at his own expense. Items appearing on the "punch list" at the time of Substantial Completion shall be repaired or replaced prior to Final Completion and shall be guaranteed for a period of one year from the date of Final Completion.

GENERAL REQUIREMENTSSECTION 010101. SUMMARY OF THE WORK:

The contractor shall furnish all necessary supplies, equipment, and labor to effectively administer and supervise the execution of all work under this contract. He shall maintain accurate financial and work records. He shall provide for timely submittal of product data, shop drawings and material orders. He shall supervise and coordinate the work of his own forces and all sub-contractors on this project, and shall provide for all project close-out requirements as listed in these specifications.

2. CONTRACT ADMINISTRATION:

A. Schedule of Values:

The contractor shall, prior to submitting his first application for payment, prepare and submit to the Architect a SCHEDULE OF VALUES, listing by division and trade a complete breakdown of the cost of the project. This approved SCHEDULE OF VALUES will be used in reviewing the progress of the work and the certification of the contractor's applications for payment. This schedule of values shall not be altered during the course of the project. Any approved changes shall be indicated on pay request forms under a separate heading for the appropriate change order.

B. Certificates of Insurance:

The contractor, prior to commencement of the work, shall furnish the owner with Certificates of Insurance for all required coverages. Likewise, the owner shall furnish the contractor with copies of all policies the owner is required to maintain for this project.

C. Applications for Payment:

The contractor will make all applications for payment using AIA Document G702 and continuation Sheet G703, listing all work completed and materials stored at the site.

D. Retainage:

A retainage of 10% of total work completed and stored to date will be applied to each progress payment.

E. Affidavits and Waiver of Liens:

The contractor shall furnish with his final application for payment a notarized copy of CONTRACTORS AFFIDAVIT OF RELEASE OF LIENS, including separate releases or waivers of liens from all sub-contractors and major material suppliers, (AIA Document G706A).

3. ALLOWANCES:

A. There will be no allowances in this project.

4. ALTERNATES:

The Contractor shall include as part of his bid proposal, specific Alternate prices to be added to or deducted from the Base Bid to cover the following items:

Alternate No. 1: Provide a deduct alternate for the substitution of # 3 Black label Perfections Cedar shingles for the #1 Blue Label specified in the base bid.

5. PROCEDURES:

A. Project Meetings:

Prior to start of the work, the Architect, the Owner, and the contractor will establish a schedule for regular project meetings, to be conducted at the job site. The contractor or his job superintendant shall meet with the Architect or his project representative at these scheduled regular meetings to review the progress of the work. When applicable the contractor shall present and review his current application for payment.

B. Change Orders:

All changes in the work shall be authorized by a written CHANGE ORDER signed by the Owner and the Architect. The contractor shall submit all requests for changes in the work using AIA Form G701. CHANGE ORDER requests shall include complete cost information pertaining to the change, indicating the total amount of cost including all materials, labor, overhead costs and profit. The cost of any changes incorporated into the work without prior authorization by a written CHANGE ORDER will be deemed as having been included in the original contract sum.

C. Field Orders:

Minor changes in the work which do not affect project costs or contract time may be approved by Architect's written FIELD ORDER.

6. PRODUCTS:A. Submittals, Shop Drawings:

The contractor shall provide timely submittal of required product data samples and shop drawings.

B. Substitutions:

The contractor shall submit complete product data and samples (if required) for any product, process, material or equipment he wishes to substitute for a specified item. Substitutions which increase or decrease the contract price shall be accompanied by an appropriate change order request. Substitutions shall be made only after receiving written approval from the Architect.

C. Product Handling:

The contractor shall place material and product orders in a timely fashion to avoid all delays in sequencing of the work. The contractor shall provide for safe and secure handling and storage of all products, materials and equipment at the job site. Adequate protection from extremities of heat, cold, moisture and dampness shall be provided.

END OF SECTION 01010

CUTTING AND PATCHINGSECTION 010801. DEFINITION:

Cutting and patching is hereby defined as removal, uncovering, and/or replacement of nominally completed and/or previously existing work, to accommodate the installation of other work, to provide access or inspection of other work or to obtain samples. Cutting and patching does NOT include the integral cutting-and-patching during the manufacturing, fabricating, erecting and installing process for individual units of work. Drilling to install fasteners and similar operations is also excluded from the definition of cutting and patching.

2. PROCEDURE:

Do not cut and patch structural work in a manner resulting in a reduction of load-carrying capacity or load/deflection ratio. Prior to cutting-and-patching the following categories of work, obtain the structural engineer's approval to proceed with cutting-and-patching as proposed in the submittal by the contractor:

A. Wood framing structure

B. Miscellaneous structural metals, Lintels, Equipment Supports, Stair Systems, and Similar Categories of work.

Do not cut-and-patch work which is exposed on the exterior or exposed in occupied spaces of the building in a manner resulting in a reduction of visual qualities or in substantial evidence of cut-and-patch work. Remove and replace work judged by the Architect to be cut-and-patched unsatisfactorily.

3. MATERIALS:

The Contractor shall provide materials for cutting-and-patching which will result in equal or better work than the work being cut and patched, in terms of performance characteristics and visual effect.

4. EXECUTION:

Provide adequate temporary support for work to be cut to prevent failure. Do not endanger other work. Provide adequate protection for equipment, furnishings and other work to prevent damage. Provide protection from adverse weather exposure. Employ skilled tradesmen to perform cutting and patching operations. Cut work by methods least likely to damage work to be retained and adjoining work. Review proposed procedure with Architect or Engineer and comply with his recommendations. Patch with seams and joints which are durable and as invisible as possible. Restore exposed finishes of patched areas in a manner which will eliminate evidence of patching.

END OF SECTION 01080

PROJECT CLOSE OUTSECTION 010901. PUNCH LIST:

At the time the project reaches substantial completion, the Architect or his Project Representative will visit the job site to review the work and to prepare a final "Punch List." This list is intended to describe, in general, the amount of work remaining at the site to bring the project to final completion. The making of the Final Punch List and/or the omission of specific items of uncompleted work shall not relieve the Contractor of any responsibility to complete work as called for by the contract documents. The Contractor shall pursue all items of Punch List work as well as other remaining work in a prompt and workmanlike manner. The Contractor's final application for payment shall not be approved until all Punch List items are satisfactorily completed.

2. CLEANING:

Before leaving the job site, the contractor shall clean all areas of his work, leaving the premises ready for occupancy. The provisions of this section of the specifications shall apply to the general contractor and all sub-contractors. All excess materials, construction debris, tools and equipment belonging to the contractor shall be removed from the site.

All excess caulking, sealants and adhesives will be cleaned from finished surfaces.

END OF SECTION 01090

CEDAR SHINGLE ROOFINGSECTION 07340

I. SCOPE

A. Related Documents:

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 sections, apply to work of this section.

B. Description of Work:

Extent of work is shown on drawings and is hereby defined to include units employed as weather protection for roofs, and related metal flashings. The following is included in this section:

1. Cedar shingle roofing, flashing and accessories at roof over existing construction.
2. Demolition and removal from site of existing roof covering at existing building.

C. Quality Assurance:

UL listing: Provide labeled materials which have been tested and listed and meet the provisions of the specifications

D. Submittals:

1. Product Data: Submit technical product data, installation instructions and recommendations from shingle manufacturer, including data that materials comply with requirements.
2. Samples: Submit sample shingles

E. Delivery, Storage and Handling:

Deliver materials in manufacturer's unopened, labeled containers. Store materials to avoid water damage, and store rolled goods on end. Comply with manufacturer's recommendations for job-site storage and protection.

F. Job Conditions:

1. Substrate: Proceed with shingle work only after substrate construction and penetrating work have been completed.
2. Weather Conditions: Proceed with shingle work only when weather conditions are in compliance with manufacturer's recommendations and when substrate is completely dry.

G. Specified Product Warranty:

Provide shingle manufacturer's warranty on installed work, agreeing to pay for repair or

replacement of defective shingles as necessary to eliminate leaks. Period of warranty is 20 years from date of substantial completion.

II. PRODUCTS

A. Cedar shingle Application:

1. Cedar shingles shall be 100% clear and 100% edge grain premium grade. Use #1 blue label 18" perfections for 51/2" exposure.
2. Nails: Use two 3d hot dipped galvanised nails (two per shingle located 3/4" from the sides and no more than 1" above the exposure line.) NO STAPLES WILL BE PERMITTED.
3. Bituthane ice and water shield membrane as manufactured by W.R. Grace Company.
4. Sheathing replacement stock: Provide 1" nominal pine or hemlock sheathing selected to match the thickness of the existing roof sheathing for replacement of rotted or damaged roof sheathing (See Unit Prices).
5. Strapping: Provide 1"x 4" strapping boards for application over the existing sheathing. Space at 5-1/2" on center. Provide 1" vent gap at 4' on center.
6. Metal Flashing: 16 oz. copper step flashing at intersection of roof plane with vertical wall of tower. Job-cut to sizes and configurations required.
7. Ridge boards: Provide two 1" x 6" cedar boards as ridge boards.

III. EXECUTION

A. Inspection:

Installer of shingles must examine substrate and conditions under which shingling work is to determine any conditions affecting the complete installation of the shingles as specified.

B. Removal of existing roofing:

1. Remove all existing wood shingles from both sides of the roof. Removal shall be done using care to protect the fabric of the building . Remove sections of the roofing in a manner to maintain complete water protection for the building throughout the reroofing of the project. Provide temporary waterproof coverage when necessary. Asphalt impregnated felt paper if used as a temporary water proofing may not be left under the cedar shingles

B. Preparation of Substrate:

1. Clean substrate of any projections and substances detrimental to shingling work. Cover knotholes or other minor voids in substrate with sheet metal flashing secured with roofing nails. Inspect the roof sheathing for damaged boards or rot. Replace all boards required for a structurally stable roof deck including those areas created by the removal of the chimneys and vent.
2. Coordinate installation of shingles with flashing and other adjoining work to ensure

proper sequencing. Do not install shingle roofing until all vent stacks and other penetrations through roofing have been installed and are securely fastened against movement.

3. Remove the two existing chimneys to below the roof line. Salvage and store the brick at the direction of the owner. Repair roof sheathing as required.
4. Remove unused roof vent . Replace the functioning plumbing vent with a 4" copper vent stack with fully flashed sleeve at roof penetration.
5. Carefully remove copper lightning rod system from existing ridge boards and reattach to the new ridge in a similar fashion. Salvage and the retain extra lightning rods from the chimneys and vents for use by the owner.
6. Renail rake and eave trim as required.

C. Installation:

1. Cedar Shingles:

General: Comply with instructions and recommendations of shingle manufacturer and the standards of the Red Cedar Shingle and Handsplit Shake Bureau , except to extent more stringent requirements are indicated.

2. Ice Protection Underlayment: Install 36" wide strip of bituthane membrane at all eave locations. Lap bottom edge of membrane over top of crown molding. Side lap edges of membrane at joints minimum of 2-1/2".
3. Shingles shall be doubled at all eaves. Lay shingles with 5-1/2" exposure. Space strapping at 5-1/2" on center.
4. Butts of the shingles in the first course on roofs shall project a minimum of 2" beyond the finished fascia. Shingles at the rake shall project 1/2" beyond the finished rake fascia board.
5. Shingles shall be spaced apart not less than 1/4" nor more than 3/8".
6. Step flashing shall be used where vertical surfaces occur in connection with slopes. They shall be formed of separate copper pieces installed with each course of shingles and lap no less than 4". Flashing shall run at least 8" up on the face of the vertical surface behind the clapboard. Remove existing clapboards as required to make a complete waterproof junction with the tower wall. New replacement clapboards shall be western red cedar preprimed both sides and selected to match the exposure of the existing clapboard.
7. All pipes projecting the roofs shall be flashed and counterflashed. These flashings shall extend out on the roof not less than 6". They shall be of sufficient length to cover the shingle course next below the pipe, and extend up under the straight course above as far as possible without being punctured by nails.

END OF SECTION 07310