

**Re: Plymouth Congregational Church, 582 Pleasant St, Belmont, MA
Masonry repairs, pointing, and cleaning, including related sealant
maintenance project**

Table of Contents of Documents for BHDC Application

Application

Applicant Statement

Schematic Plan of church complex with areas of work (facades) noted

Survey Plan of the complex (for information only; no proposed changes)

Requirements and Specifications for the masonry work

Contractor's contract (Traditional Tibetan Masonry Art)

Photos of the facades and areas of work



Town Belmont
Historic District Commission
Homer Municipal Building, 2nd Floor
19 Moore Street
Belmont, MA 02478

OFFICE USE
Case Number: HDC -

APPLICATION

In accordance with the Historic Districts Act, MGL Ch 40C, and the Town of Belmont General Bylaws, §40-315, the undersigned applies to the Belmont Historic District Commission for a Certificate of:

☒ Appropriateness

☐ Non-Applicability

☐ Hardship

1. PRELIMINARY INFORMATION:

Address of Property: 582 PLEASANT ST., BELMONT, MA

Property Owner's Name: PLYMOUTH CONGREGATIONAL CHURCH

Address: 582 PLEASANT ST. BELMONT, MA

Email: chet0506@msn.com

Phone: 774-238-0071
(MOBILE)

Agent Name: WILLIAM TURVILLE, ARCHITECT (MA RA4533)

Address: 108 ELM ST. SUITE 1B, WALTHAM, MA 02453

Email: williamturville.sculptor@verizon.net

Phone: 781-850-5594

I am the: ☐ Property Owner ☒ Agent

☒ Property is Owned by a Corporation, LLC, or Trust (Submit authorization to sign as owner)

☒ Property is a Condominium or Cooperative Association (submit authorization to sign as trustee)

If applicable: Architect: WILLIAM TURVILLE

Contractor: TRADITIONAL TIBETAN
MASONRY ART

2. BRIEF DESCRIPTION OF PROPOSED WORK:

REPAIRS, PAINTING, CLEANING OF MASONRY, & MAINTENANCE OF
SEALANTS. WORK AT SELECTED (REQUIRED) AREAS OF EXISTING MASONRY
FACADES (ALL EXTERIOR WORK) AT THE SANCTUARY, PARISH HOUSE AND
CLASSROOM WING OF THIS CHURCH COMPLEX. THE PROJECT INCLUDES
MATCHING THE EXISTING MORTAR & BRICKS TO THE EXTENT POSSIBLE.
(NOTE: WORK IS SCHEDULED FOR SPRING / SUMMER 2024)

3. SIGNATURES:

As Owner, I make the following representations:

A. I hereby certify that I am the Owner of the Property at: 582 PLEASANT ST, BELMONT, MA

B. I hereby certify that if an Agent is listed on this Application, this Agent has been authorized to represent this Application before the Belmont Historic District Commission.

Owner: James N. Rice

Date: 2/22/24

JAMES N. RICE, CHAIR, TRUSTEES

As Applicant/Agent, I make the following representations:

1. The information supplied on and in this Application is accurate to the best of my knowledge;
2. I will make no changes to the approved plans without prior approval from the Belmont Historic District Commission.

Applicant/Agent: William S. Turville

Date: 02/15/24

* Incomplete applications and Insufficient documentation will not be accepted. *

Certificates of Appropriateness expire one (1) year from the date of issue

Approved August 10, 2021

Belmont Historic District Commission Application

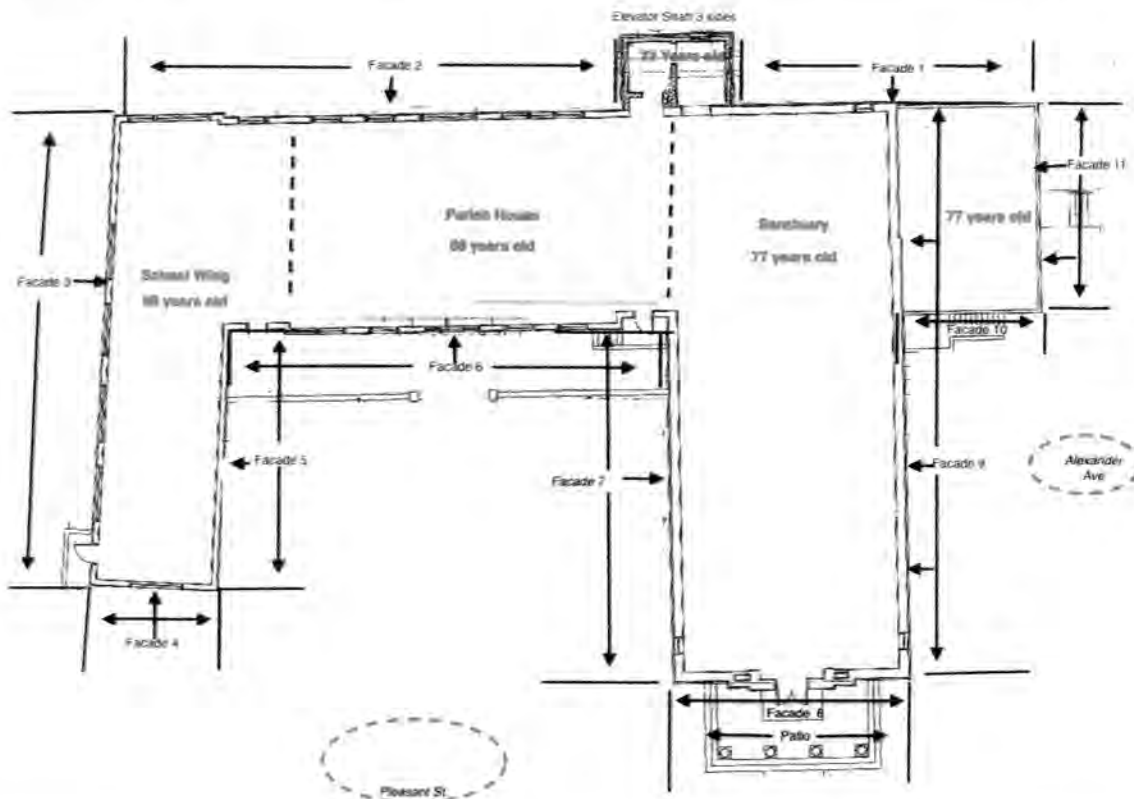
Applicant Statement

02/21/24

Re: Plymouth Congregational Church, 582 Pleasant St, Belmont, MA
Masonry repairs, pointing, and cleaning, including related sealants, maintenance project

The Trustees of Plymouth Congregational Church are hereby requesting a Certificate of Appropriateness to repair the mortar and brick, on 11 facades of the church complex, that have been damaged or are deteriorating due to environmental effects. This is part of ongoing Church capital maintenance programs.

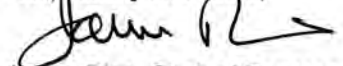
The building has three distinct parts, as noted in the plan below. The oldest is the sanctuary and structure closest to Alexander Ave. constructed 77 years ago; the parish house and school wing constructed 66 years ago; and the elevator shaft constructed 23 years ago.

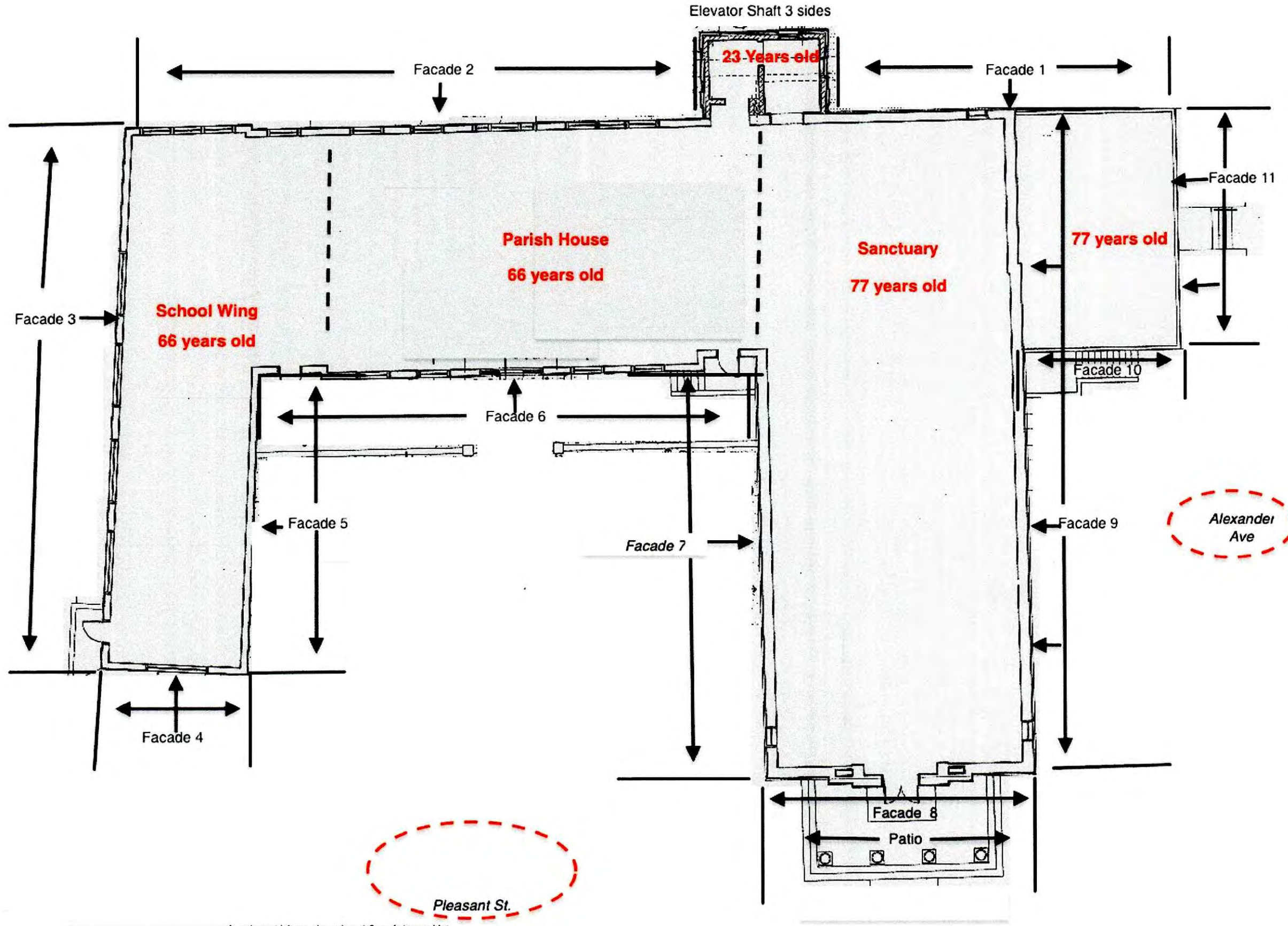


For purposes of obtaining bids for the repairs and this filing, the building has been divided into 11 vertical facades, as noted. Facades 1, 7, 8, 9, 10, 11 are the oldest, in the 77-year-old portions of the building, and in the most need of pointing and repair. The other facades need more limited work.

Mockups of the required new mortar (and, as necessary, new brick) will be provided to meet the BHDC guidelines and the intention, at the completion of this maintenance project, of the Trustees to have the church complex look, as closely as possible, like it does now. As a result, we believe this work will have no negative impacts on the appearance of the church to abutters or others viewing the church. Also, importantly, as a contributing building in the Pleasant Street Historic District, the church will continue to be a handsome, well-maintained high quality focal point on Pleasant Street. We believe this project will fully support The Design Guidelines for Belmont Historic Districts.

Respectfully submitted,


James Rice, Chair of Trustees



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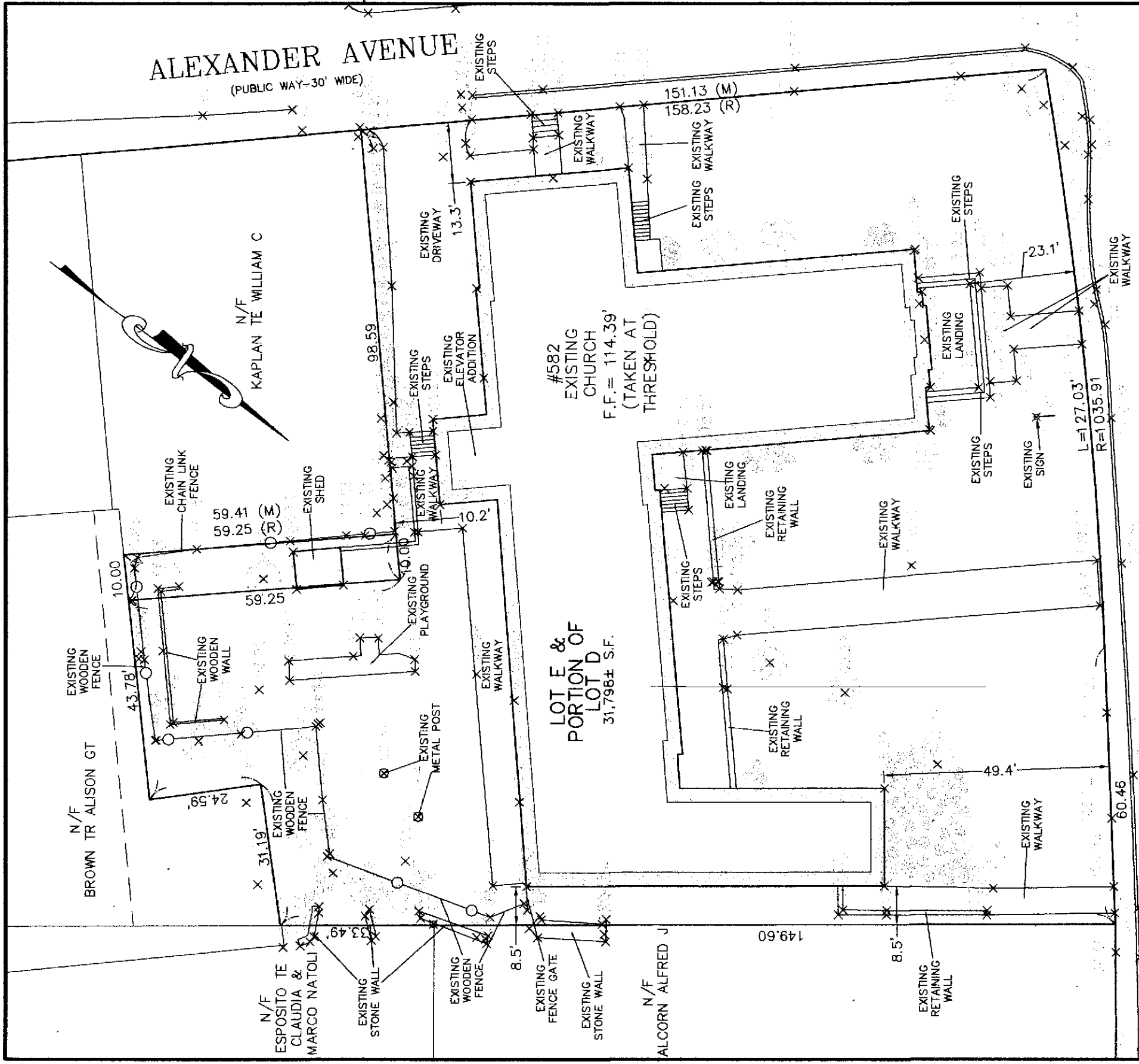
FAÇADE LABELS KEY PLAN

DRAWING PLYMOUTH CONGREGATIONAL CHURCH
MASONRY REPAIRS AND POINTING PROJECT
582 PLEASANT STREET, BELMONT, MA

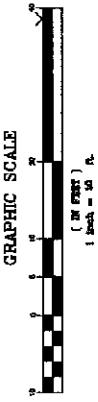
X-1

William Turville Sculptor/Architect
180 Elm Street, Suite 1B, Waltham, MA 02453
williamturvillesculptor@verizon.net 781.648.4858

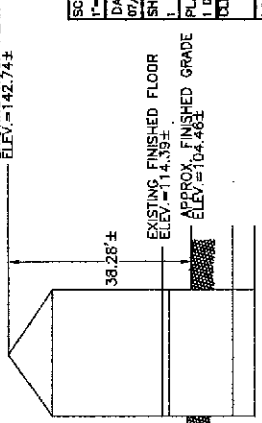
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DATE: 02/21/24



PLEASANT STREET
(PUBLIC WAY-50' WIDE)



GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.



- NOTES:
1. INFORMATION SHOWN ON THIS PLAN IS THE RESULT OF A FIELD SURVEY PERFORMED BY PETER NOLAN & ASSOCIATES LLC AS OF 6/20/2023.
 2. DEED REFERENCE: BOOK 6500, PAGE 547
PLAN REFERENCE 1: PLAN 542 OF 1941
MIDDLESEX COUNTY SOUTH DISTRICT REGISTRY OF DEEDS
 3. THIS PLAN IS NOT INTENDED TO BE RECORDED.
 4. I CERTIFY THAT THE CHURCH SHOWN IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE. IT IS LOCATED IN ZONE X, ON FLOOD HAZARD BOUNDARY MAP NUMBER 2501700418E, IN COMMUNITY NUMBER: 250182, DATED 6/1/2010.
 5. THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY APPEAR UPON THE LAND. HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
 6. FIRST FLOOR ELEVATIONS ARE TAKEN AT THRESHOLD.
 7. NO RESPONSIBILITY IS TAKEN FOR ZONING TABLE AS PETER NOLAN & ASSOCIATES LLC ARE NOT ZONING EXPERTS. TABLE IS TAKEN FROM TABLE PROVIDED BY LOCAL ZONING ORDINANCE. CLIENT AND/OR ARCHITECT TO VERIFY THE ACCURACY OF ZONING ANALYSIS.
 8. THE ELEVATIONS SHOWN ARE ON AN ASSUMED DATUM.

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EXISTING PROFILE CHURCH
NOT TO SCALE

DRAWING PLYMOUTH CONGREGATIONAL CHURCH
MASONRY REPAIRS AND POINTING PROJECT
582 PLEASANT STREET, BELMONT, MA

Do not scale prints.
SURVEYED SITE PLAN
(for information only)

X-2

SCALE: not to scale
DATE: 02/21/24

William Turville Sculptor/Architect
180 Elm Street, Suite 1B, Waltham, MA 02453
williamturvillesculptor@verizon.net 781.648.4858

PROJECT REQUIREMENTS AND SPECIFICATIONS

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DIVISION 1 - GENERAL REQUIREMENTS

- Section 01000 Project Requirements
- Section 01100 Special Conditions and Demolition Notes

DIVISION 4 - MASONRY

- Section 04900 Masonry Pointing, Restoration, Repair, and Cleaning

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

- Section 07900 Joint Sealers

SECTION 01000
PROJECT REQUIREMENTS (09/21/24)

The masonry contractor agrees to furnish all labor and materials required for the construction services for masonry repairs, cleaning, repointing, and related work at the exterior of the entire church and parish house/education wing complex at the Plymouth Congregational Church (the "Owner"), 584 Pleasant St., Belmont MA. Specifically the masonry repairs or replacement (in limited areas) as required, repointing where required, and repairs to sealants where required to all masonry facades of the existing brick complex (sanctuary, parish house and classroom wing) in accordance with the Contract Documents (Construction Drawings, Specifications, Photos, and other related information) and prepared by the owner and William Turville, Architect (WST) for the agreed upon amount in the current contract.

Other requirements and information:

1. Enter into and execute the Contract on the basis of this proposal and to furnish payment schedule, construction schedules, license, and insurance certificate.
2. Schedule: Contract signing will occur promptly to facilitate the work being substantially complete by September 1, 2024 or another date to be mutually agreed upon. Time is of the essence.
3. Please submit proof of your workman's compensation and liability insurance and contractor's license prior to starting the project.
4. General Scope of Work: The work includes masonry repairs: specifically the replacement of fractured bricks at limited areas of existing brick masonry; repointing at limited areas of the existing masonry; cleaning of brick masonry at limited areas; replacement of sealants at limited locations at all facades in accordance with the Contract Documents.
5. Questions: Any questions may be directed to either Chet Messer at 774-238-0071 (mobile) or to the architect, William Turville at 781-648-4858 (work) or 781-850-5594 (mobile).
6. In the Contract Document package, there are Annotated Photos of The Plymouth Congregational Church. The intent of this project is to satisfy the requirements of The Church and to fully restore the designated areas of the buildings to fully weatherized and structural condition. Additionally, the work is required to adhere to the requirements and conditions of the Belmont Historic Districts Commission.
7. Access is severely restricted to the building. Contractor shall make full arrangements regarding scheduling, use of the site, access to the building and general and specific marshalling areas with the church through Mr. Chet Messer.
8. See the contract documents prepared by Turville for this work.
9. Standards: All work must conform to the most recent edition of Massachusetts 780 CMR (the Building Code), currently the 9th Edition (and updates), and all local (including the Belmont Historic Districts Commission), state and federal guidelines and requirements.

SECTION 01100
SPECIAL CONDITIONS AND DEMOLITION NOTES (09/21/24)

A. SUMMARY OF SPECIAL CONDITIONS

1. **NOTE:** During this work, this building complex will be continuously occupied by the operations, activities and services of the Plymouth Congregational Church. The contractor will protect the building and its contents at all times and will keep the building and work area properly secured at all times. The contractor will generally allow, except under explicit circumstances with the approval of the owner, normal daily activities to take place safely. Temporary facilities, protective plastic or wood partitions and other accommodations will be required to adequately proceed with the work and still allow the occupants to work safely in other areas during the construction period.
2. The selected contractor will perform all work according to the construction documents, to established industry standards and all relevant state and local building codes including the Massachusetts State Code 780 CMR 9th Edition (based on IBC and IEBC 2015 codes) for eastern Massachusetts, working with the Belmont Inspectional Services Department (ISD and the Belmont Historic Districts Commission, and within all municipal by-laws, including zoning requirements and relevant state and federal regulations, including licensing, insurance requirements and work practices (OSHA, etc).
3. The contractor will perform all work in compliance with the requests of the owner or his representative and to the satisfaction of the owner or his representative. Secure approval from the owner for site access, types and locations of all temporary facilities, work hours and delivery or other schedules, disposal and clean-up procedures and the general use of the site. The contractor will arrange with the owner for temporary utilities (water, electricity, telephone, fax, etc), parking and any other arrangements necessary to proceed with the work.
4. Work will be performed under a standard agreement. The contractor shall submit a breakdown of items and related costs for reference by the owner and architect to verify scope, quality and quantity of purchased items. The contractor shall also submit a schedule for the work and also a list and schedule for submittal/receipt of items to be approved, purchased or supplied to the contractor by others, especially the owner.
5. Proper weather and security protection must be strictly maintained at all times.
6. During the entire construction process, all precautions should be taken to maintain a safe work site. Trash and debris must be controlled; general daily cleanup is recommended in most areas. There will be space allotted for a dumpster, which must be loaded properly and removed as required in a timely way. Final cleaning is included in the work. See also Demolition Notes below.
7. The contractor shall submit a breakdown of items and related costs for reference by the owners and architect to verify scope, quality and quantity of purchased items. The contractor shall submit a schedule for the work and a list and schedule for submittal/receipt of items to be approved, purchased or supplied to the contractor by others, especially the owner.
8. All materials shall be new and delivered to the site in good condition, be free of defects and be stored and handled properly (per the manufacturer's recommendations and requirements) to maintain their required performance characteristics.
9. Contractor shall verify all conditions for the proposed construction in the field prior to constructing any part of the work. Report any discrepancies or questions to the architect immediately for clarification and interpretation.
10. Contractor shall thoroughly review the contract documents and the field conditions. Report any discrepancies or questions to the architect immediately for clarification and interpretation.
11. All work must be plumb, level and true and to commercial standards of professional tolerances

- 12.** Submittals and controls:
- 12a.** Submit for approval by the owner and architect manufacturer's literature, MSD information, and all pertinent information regarding all materials to be used in this project prior to ordering these materials.
- 12b.** Shop drawing submittal and approval by the architect and the owners are required for all structural and masonry work based on actual field conditions, the assessment of these as suitable for the proposed work and the accurate measurements thereof.
- 12c.** Required submittals (allow enough lead time in schedule for reviews and approvals prior to fabrication and installation): materials samples and mock-ups; manufacturer's literature.
- 12d.** Manufacturer's literature (such as cutsheets, MSDS's, etc.) shall be submitted to the architect for review and approval by the architect for all purchased items (including, but not limited to: masonry, metal, and all products and materials; hardware; sealants and joint fillers; etc.) prior to purchase and installation.
- 13.** Any work not conforming to the contract documents shall be rejected. Rejected work shall be removed and replaced (or corrected to new conditions if possible) as directed by the architect at no additional cost to the owner.
- 14.** During the work, contractor shall protect areas outside the work areas. If there is damage caused by the contractor to any part of the existing building which is planned for reuse and/or to any portion or component of the property outside of the work areas, contractor will repair and restore the damaged area to a condition satisfactory to the owner, including labor and costs of replacing building components or mature plantings. As work progresses, new work will be properly protected for the duration of the construction period.
- 15.** Permits, police details, and any other city-related or city-imposed fees and expenses shall be paid for by the contractor unless the owner informs the contractor that the owner has paid for these items.
- 16.** General clean-up: Keep areas of work clean and safe during the work. Broom-clean all work areas at the end of the work and dispose of all construction debris and remove all tools and excess materials beyond those being left for the owner. At completion, shop-vac renovated interior areas.
- 17.** The architect is not responsible for construction or worksite safety precautions or programs or for acts or omissions of the contractor, subcontractors or any person performing any of the work or for the failure by any of them to carry out the work in accordance with the contract documents.
- 18.** The architect is not responsible for methods and means, techniques, sequences and procedures of construction. The General Contractor is solely responsible for the methods and means, techniques, sequences and procedures of construction.
- 18a.** Temporary shoring and/or bracing of building components and/or systems (including, but not limited to, excavations, foundations, wood and/or steel framing, etc.), may be required during the work. Such temporary shoring and/or bracing of building components and/or systems is solely the responsibility of the General Contractor.
- 18b.** Interior partitions shall be permanently braced to building structure and/or structurally attached to existing building elements.
- 19.** Contractor's General Liability insurance and Worker's Compensation insurance are required

B. DEMOLITION AND DISPOSAL NOTES

1. **NOTE** that this building complex will be in continuous operations at all times during the construction process. All precautions should be taken to maintain a safe work site and to limit interference to the extent possible with the regular daily activities of normal operations.
2. All demolition work and disposal operations shall conform to applicable federal, state and city laws and ordinances and good practice. Shore areas if required to maintain building integrity during the selective demolition. Demolition and disposal operations are solely the responsibility of the general contractor.
3. Establish a process for debris disposal approved by the owner and town.
4. Generally protect the exterior of building.
5. Do not allow water penetration into the building.
6. Protect all finished areas of the building adjacent to the work area from damage. General contractor will be responsible for restoration, to the satisfaction of the owner of all surfaces and items damaged or excessively removed. Restoration will be to match the adjacent existing construction or surface.
7. If required in the plans, notes, and specifications, remove and salvage selected noted building components for reuse.
8. Supply plastic or plywood partitions to separate occupied areas from demolition and work areas. Contain dust and debris within work areas except for removal of debris from area via controlled disposal systems (chutes, bags, etc.).
9. Existing site and building utilities will be protected.
10. Supply containers (dumpsters, a truck, etc.) large enough, in sufficient quantity and changed often enough to contain all debris. Dispose of all debris in a legal manner; if necessary gain local approvals for disposal operations. Continue the use of the dumpsters through the construction work when and only when required for debris removal. Do not allow loose debris to accumulate without controls. Place containers and trash in locations approved by the owner. If there is a period during which a dumpster is not required, place debris in weatherproof containers, minimize the accumulation of debris and maintain a safe and clean work area and site.
11. Submit to the owner the schedule for the demolition work for their approval prior to starting the work.
12. Temporary shoring and/or bracing of building components and/or systems (including, but not limited to, wood and/or steel framing, etc.), may be required during the demolition work. Such temporary shoring and/or bracing of building components and/or systems is solely the responsibility of the General Contractor.
13. Contractor shall pay all site dumpster, waste materials hauling and off-site disposal fees.

END OF SECTION

SECTION 04900
MASONRY POINTING
RESTORATION, REPAIR,
AND CLEANING

PART 1 - GENERAL

1.01 SUMMARY

- A. General: Regarding materials and systems to be used, the contractor may submit, for approval, their choice of materials and systems to be used in this project. The contractor, the owner, and the architect (and probably the Belmont Historic District Commission) will review these together and evaluate them as being appropriate for the project. Using the submitted materials and systems, the manufacturer's literature, samples, and mock-ups, the submission will be compared to the specified materials as being equivalent to or better than and/or more appropriate for the project than those listed in the specification. These reviews and approvals, at the start of the project, will be done expeditiously so not to affect the project schedule.
- B. Provide masonry restoration, pointing, and repairs.
1. Repoint mortar joints.
 2. Replace cracked, broken, or damaged bricks.
 3. Remove existing fasteners, hardware, furring, and other miscellaneous obsolete or abandoned attachments.
 4. Remove and replace joint sealants at select brick masonry wall locations as necessary, at building construction/expansion joints, and at door and window masonry openings as necessary.
- C. Provide masonry cleaning.
1. Remove salts, efflorescence, and stains at selected locations.
 2. Remove plant/lichen/mold/organic growth if necessary.
 3. Wash and clean selected exposed masonry surfaces, as required, before or after pointing.
- D. Schedule: (final quantities to be determined per façade at the start of the work on the project)
1. Repointing Mortar Joints (RMJ): <5% to 30% of brick exterior walls.
 2. Masonry Cleaning Schedule (MCS): approximately 20% percent of brick exterior walls.
 3. Resealing Joints (RJ): approximately 20% percent of exterior brick wall joints at select locations.
 4. Repairs to Walls (brick removals/replacement) (RW):
approximately 5% to 10% at specific locations
 5. Facade estimated work schedule:

a. Facade 1: RMJ: 20%	MCS: 10%	RJ: 80%	RW: 5%
a. Facade 2: RMJ: <5%	MCS: <5%	RJ: <5%	RW: <5%
a. Facade 3: RMJ: <5%	MCS: <5%	RJ: 10%	RW: <5%
a. Facade 4: RMJ: 0%	MCS: 0%	RJ: 0%	RW: 0%
a. Facade 5: RMJ: 0%	MCS: 0%	RJ: 0%	RW: 0%
a. Facade 6: RMJ: <5%	MCS: 10%	RJ: 10%	RW: <5%
a. Facade 7: RMJ: 15%	MCS: 10%	RJ: >5%	RW: <5%
a. Facade 8: RMJ: 10%	MCS: 10%	RJ: 10%	RW: <5%
a. Facade 9: RMJ: 15%	MCS: 10%	RJ: 10%	RW: <5%
a. Facade 10: RMJ: 30%	MCS: 10%	RJ: 20%	RW: <5%
a. Facade 11: RMJ: 30%	MCS: 20%	RJ: 10%	RW: 5%

MASONRY POINTING RESTORATION,
REPAIR, AND CLEANING

1.02 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Mortar Mix: Submit for approval mortar mix proposed for use.
- C. Provide mock-ups of final choices (or as selection of choices) for mortar colors and mixes and choice or selection of masonry units

1.03 QUALITY ASSURANCE

- A. Perform test cleaning to demonstrate/select appropriate cleaning materials, mixes, and methods.
- B. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced Installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- C. Mock-Ups: Provide mock-up or a demonstration area (part of a wall) as required to demonstrate the materials and the quality of workmanship for each type of pointing and masonry unit, and cleaning (if required).

1.04 PROJECT CONDITIONS

- A. Protect persons and property from injury and damage from pointing, repair, and cleaning operations. Do no work when winds prevent control of sand, cleaners, or rinse water. Dispose of run-off in a legal manner.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Repointing Mortar: Match existing with strength and color suitable for project conditions. Match existing color, texture, and appearance. [Final materials and mixture(s) to be determined.]
 - 1. Portland Cement: ASTM C 150, Type I.
 - 2. Hydrated Lime: ASTM C 207, Type S.
 - 3. Aggregate for Mortar: ASTM C 144.
 - 4. (If necessary) Colored Mortar Aggregate: Colored sand.
 - 5. (If necessary) Colored Mortar Pigment: Iron oxides and chromium oxides.
 - 6. Aggregate for Grout: ASTM C 404.
 - 7. Other materials required. Review with owner and architect.
- B. Sealant Materials: As specified in Section 07900.
- C. Cleaning Materials: Medium pressure water and steam. If chemical cleaning is required, review with the owner and architect and obtain approval before commencing.

MASONRY POINTING RESTORATION,
REPAIR, AND CLEANING

04900 -2

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Remove existing fasteners, furring strips, anchors, hardware, and other abandoned items embedded in brick facades. Patch holes permanently with mortar.
- B. Cleaning:
 - 1. Protect adjacent surfaces with masking agent or other effective means.
 - 2. Clean surfaces in strict conformance with approved field tests (match demonstration panels and/or mock-up panels if available).
 - 3. Provide uniform final appearance.
- C. Repointing:
 - 1. Obtain materials from one source to maintain color/texture/quality consistency.
 - 2. Work only when ambient 40 degrees F to 80 degrees F temperature will be maintained until 72 hours after completion.
 - 3. Remove old mortar carefully using the proper tools so as not to damage bricks.
 - 4. Rake-out old/unstable mortar to depth equal to 2-1/2 times joint width and in no case less than 1/2" or depth required to expose sound mortar.
 - 5. Do not damage bricks.
 - 6. Rinse joints and install pointing mortar in 1/2" deep layers.
 - 7. Tool joints to match existing masonry and cure mortar for not less than 72 hours.
 - 8. After pointing, clean masonry using Tampico fiber brushes and running water.
- D. Resealing:
 - 1. Remove old cracked or non-adhering sealant by hand.
 - 2. Comply with Section 07900.

END OF SECTION

MASONRY POINTING, RESTORATION,
AND CLEANING
04900-3

SECTION 07900
JOINT SEALERS

PART 1 - GENERAL

1.01 SUMMARY

- A. Provide joint sealers at exterior vertical wall joints.

1.02 SUBMITTALS

- A. General: Regarding materials and systems to be used, the contractor may submit, for approval, their choice of materials and systems to be used in this project. The contractor, the owner, and the architect (and probably the Belmont Historic District Commission) will review these together and evaluate them as being appropriate for the project. Using the submitted materials and systems, the manufacturer's literature, samples, and mock-ups, the submission will be compared to the specified materials as being equivalent to or better than and/or more appropriate for the project than those listed in the specification. These reviews and approvals, at the start of the project, will be done expeditiously so not to affect the project schedule.
- B. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- C. Samples: Submit two representative samples of each material specified indicating visual characteristics and finish. Include range samples if variation of finish is anticipated.
 - 1. Include manufacturers full range of color and finish options if additional selection is required.

1.03 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
8. Field-Constructed Mock-Ups: Each joint type.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Urethane Elastomeric Joint Sealants:
 - 1. Manufacturers: Pecora Corp., Sika Corp., Tremco or approved equal.
 - 2. Type and Application: One-part non-sag urethane sealant, ASTM C 920:
 - a. Application: For exterior brick masonry joints in vertical surfaces.
- B. Silicone Elastomeric Joint Sealants:
 - 1. Manufacturers: Dow Corning, GE Silicones, Tremco, or approved equal.
 - 2. Type and Application: One-part nonacid-curing silicone sealant, ASTM C 920, modulus as required for application:
 - a. Application: For exterior brick masonry joints in vertical surfaces.
 - 3. Type and Application: One-part acid-curing silicone sealant, ASTM C 920, for exterior joints in vertical surfaces:

C. Compression Seals:

1. Type: Preformed foam sealant.
2. Type: Preformed hollow neoprene gasket, ASTM D 2628.
3. Application: Wide exterior joints in vertical surfaces.

D. Auxiliary Materials:

1. Plastic foam joint fillers.
2. Elastomeric tubing backer rods.
3. Bond breaker tape.
- 4.

PART 3 – EXECUTION

3.01 INSTALLATION

- A. Examine substrate. Report unsatisfactory conditions in writing. Beginning work means acceptance of substrates.
8. Provide sealants in colors as selected from manufacturer's standards.
- C. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections. Clean and prime joints, and install bond breakers, backer rods and sealant as recommended by manufacturers.
- D. Depth shall equal width up to 1/2" wide; depth shall equal 1/2 width for joints over 1/2" wide.
- E. Cure and protect sealants as directed by manufacturers. Replace or restore damaged sealants. Clean adjacent surfaces to remove spillage.

END OF SECTION

Traditional Tibetan Masonry Art

66 Kensington Road, Weymouth, MA 02188
617-997-8287

Quote to:

Plymouth Congregational Church
Pleasant Street
Belmont, MA

January 16, 2024

Scope of work

All masonry pointing and/or repairs with occasional cleaning as necessary. The work area will be cleaned and all trash removed as each façade is completed. We are responsible for minimizing dust.

We will show various colored mortars and bricks ahead of time to determine what mix and bricks would be the best match to the various facades of the building.

The quote is per the façade inventory as presented by Bill Turville for the church. A copy of that façade inventory is attached.

Facade 1 (high back wall of sanctuary):	\$4,500.00
Facades 1, 10, and 11 (single story wing on Alexander Ave.):	\$12,200.00(1)
Facade 2 (rear of parish house and school wing):	\$1,500.00
Facades 3, 4, 5, 6 (front and sides of school wing and parish front):	\$1,000.00
Facade 7 (100% of water table and lower on sanctuary east side):	\$6,200.00
Facades 8, 9: (same as 7):	<u>\$6,200.00</u>
	\$31,600.00(2)

- (1) I have a concern about the two corners of Façade 1 where there is a vertical crack. There could be further problems behind the crack which would require a lot of work not covered in this quote. As a guess this could amount to up to 25% of the quote of this group of facades, or \$3,050.00
- (2) This quote is good until June 30, 2024.

Schedule of work

The determination of mortar colors and brick colors will be done in the winter, in early 2024.

The work proper will commence in the spring of 2024, most likely in April, as weather permits.

Restrictions

Facades 2 and 3 will not be worked on during nursery school hours. The work will be performed on Saturdays, if the work occurs while the nursery school is operating.

Façades 2 and 6 will not be worked on during Chinese school hours (Monday through Friday 2 pm through 6 pm). The work on these façades may be done any other time.

The work on Facades 1, 10 and 11 will necessitate re-routing nursery school and Chinese school drop off and pickup to the front of the building. There will be no parking in the church parking lot during this time.

The work on Façades 5, 6 and 7 will necessitate rerouting of Chinese school pickup and drop-off to the Alexander Ave door.

Work on Façade 8 will be scheduled for early in the week, so as not to impact Sunday church services.

Insurance

We maintain Liability Coverage for \$2,000,000 aggregate and \$1,000,000 per occurrence. We will name the church as an insured for the duration of the work and provide the church with a copy of the insurance certification naming the church as an insured.

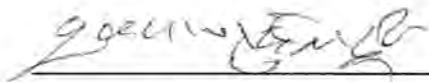
Payments

A deposit of \$1,000 is due upon acceptance of this contract.

A payment of \$14,800 is due on the date of commencement of the work.

Payment of \$15,800 is due upon completion of the work.

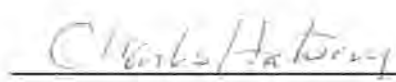
Acceptance



Date: 1/17/24

Jampa Tseten

Traditional Tibetan Masonry Art



Date: 1/17/24

Charles Hatvany

Plymouth Congregational Church



DAMAGED BRICKS AT CORNER OF FAÇADES 11 AND 1. REPLACE BRICKS, REPAIR AND POINT MASONRY.



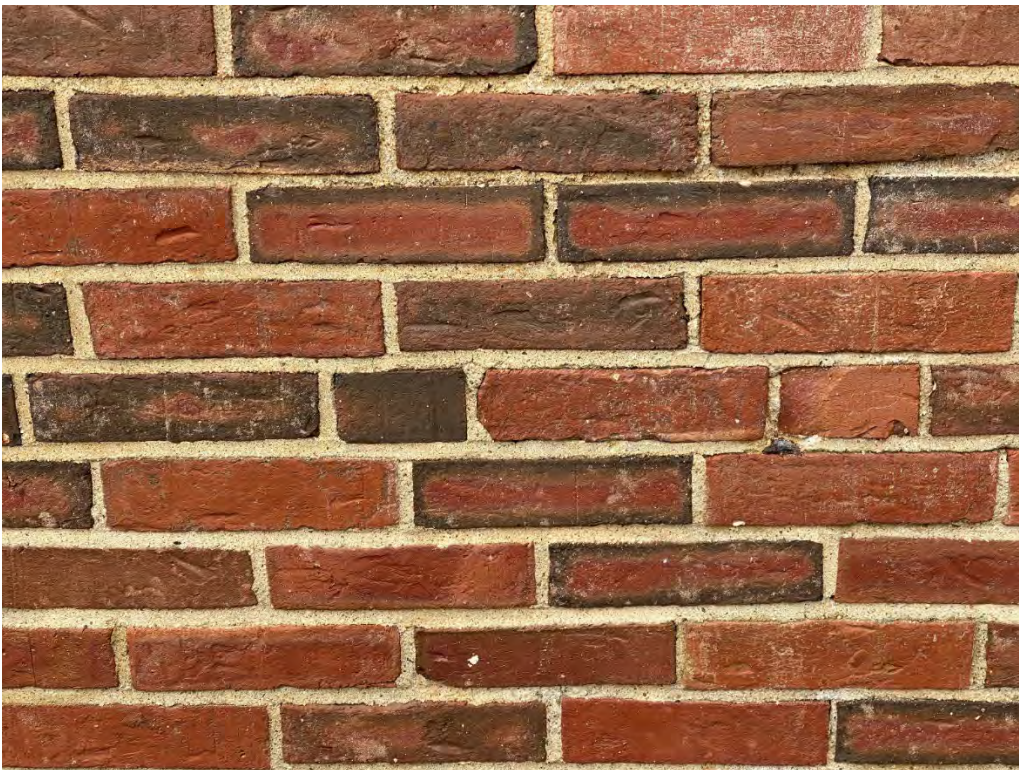
OVERALL FAÇADE 1 LEFT, WEST, OR LOWER, PORTION.



FAÇADE 1 CLOSE-UP OF MASONRY BANDS REQUIRING POINTING ALONG WHOLE LENGTH OF FAÇADE.



DETAIL OF WATERTABLE NEEDING POINTING



**REPOINTING REQUIRED AT MUCH OF THIS FACADE, INCLUDING REMOVAL OF
HARDWARE.**



JOINT BETWEEN HIGH & LOW PORTIONS WITH CRACKED MASONRY NEAR CORNER. REQUIRES BRICK REPLACEMENT, POINTING, AND SEALANT REPLACEMENT.



UPPER PORTION OF FACADE 1 (REAR OF CHURCH)



CLOSE-UP OF DETERIORATED WATERTABLE LEDGE



**ELEVATOR SHAFT ADDITION MASONRY IN GOOD CONDITION.
RIGHT (EAST) END OF FAÇADE 1.**



**OVERALL GENERAL VIEW OF ELEVATOR SHAFT ADDITION.
MASONRY IN GOOD CONDITION.**



PARTIAL (WEST END) FAÇADE 2 AND ELEVATOR SHAFT ADDITION



**OVERALL VIEW OF FAÇADE 2 (LEFT/WEST PORTION).
MASONRY GENERALLY IN GOOD CONDITON.**



**OVERALL VIEW OF FAÇADE 2 (LEFT/WEST PORTION).
MASONRY GENERALLY IN GOOD CONDITON.**



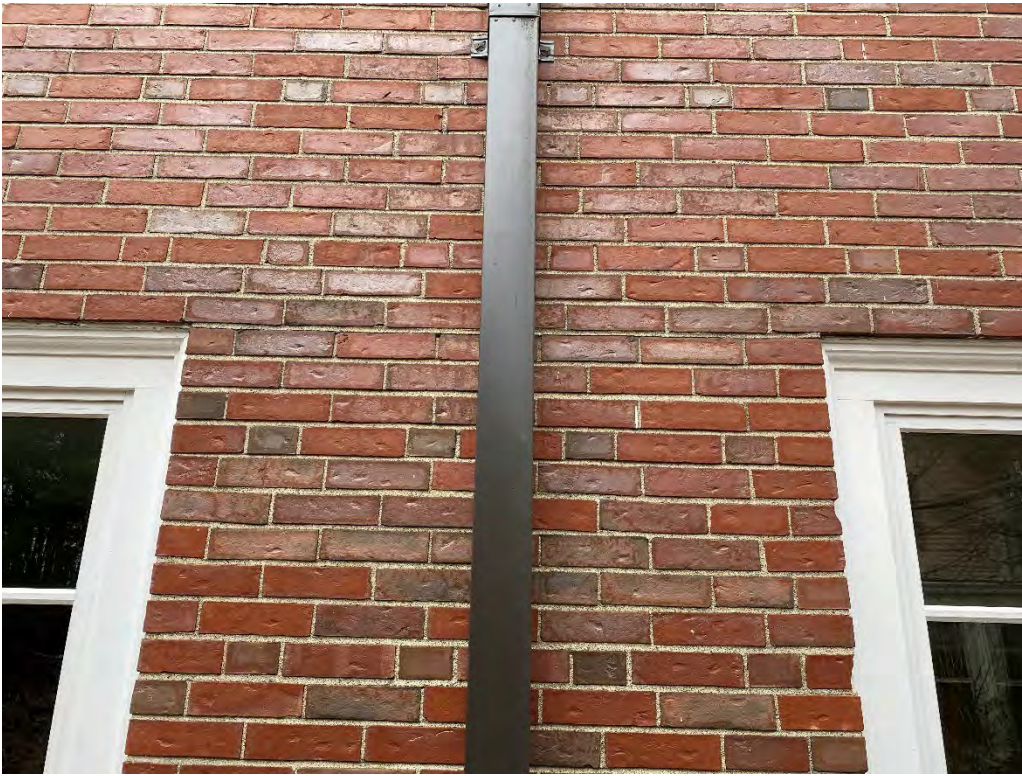
HOLES IN MASONRY ABOVE DOOR REQUIRE PATCHING. REMOVE ALL HARDWARE.



REMOVE HARDWARE AND PATCH MASONRY



PARTIAL FAÇADE 2. LINTEL AT SECOND FLOOR REQUIRES SEALANT.



MASONRY AT FAÇADE 3 GENERALLY IN GOOD CONDITION.



METAL OBJECT(S) IN BRICK(S) NEED REMOVAL AND/OR PATCHING.



PARTIAL VIEW OF FACADE 3 (NORTH END)



PARTIAL VIEW OF FACADE 3 (SOUTH END)



SEALANT REQUIRES REPLACING AT DOOR ON FAÇADE 3



HOSE BIB PENETRATION REQUIRES SEALANT



PARTIAL VIEW OF FAÇADE 3 AND EXIT DOOR AT NORTH END.
MASONRY GENERALLY IN GOOD CONDITON.



OVERALL VIEW OF FAÇADE 5. BRICKWORK GENERALLY IN GOOD CONDITION



**OVERALL VIEW OF FAÇADE 4. BRICKWORK GENERALLY IN GOOD CONDITION.
PARTIAL VIEW OF FAÇADE 3 (ON LEFT)**



LEFT EXIT DOOR FAÇADE 6



MASONRY



NEXT TO LEFT DOOR: MORTAR LOOSE, MISSING. NEEDS POINTING.



CORNER JOINT NEEDS NEW SEALANT



PILASTER MORTAR NEEDS POINTING



DETAIL AT DOOR WITH LOOSE MORTAR AND POINTING REQUIRED A



DETAIL AT DOOR WITH LOOSE MORTAR AND POINTING REQUIRED B



OVERALL VIEW OF FAÇADE 6



DETAIL OF FACE OF STAIR AND PLATFORM WITH LEACHED SALTS TO BE CLEANED.



WATERTABLE BRICK REQUIRES POINTING. EXPOSED LINTEL REQUIRES SEALANT. DAMAGED BRICK REQUIRES REPAIR.



WATERTABLE REQUIRING POINTING A



WATERTABLE REQUIRING POINTING B



CRACK BELOW M. O.



DAMAGED BRICK



OVERALL FACADE 7



DETAIL AT WATERTABLE



OVERALL FAÇADE 8



FAÇADE 8 OVERALL



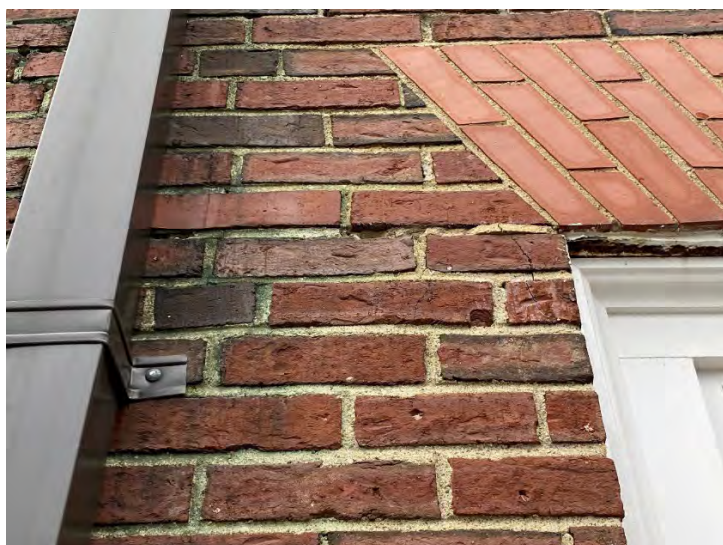
GENERALLY POINT MASONRY, AND REPLACE SEALANTS AT LINTELS



GENERALLY POINT MASONRY, AND REPLACE SEALANTS AT LINTELS



GENERALLY POINT MASONRY, AND REPLACE SEALANTS AT LINTELS



GENERALLY POINT MASONRY, AND REPLACE SEALANTS AT LINTELS



GENERALLY POINT MASONRY, AND REPLACE SEALANTS AT LINTELS



OVERALL VIEW OF FAÇADE 9



**GENERAL VIEW OF SOUTH END OF FAÇADE 9.
PARTIAL VIEW OF FAÇADE 10, TO THE RIGHT**



OVERALL VIEW OF FACADE 10



REPLACE SEALANT AT LINTEL



OVERALL VIEW OF FACADE 11



INSTALL SEALANT AT WOOD/MASONRY JOINT AT FRONT DOOR