



HEALTHCARE
ARCHITECTS INC.

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ADDENDUM NO. 2

Project No. 510-10-110 SCIP
Renovations for Correct Mental Health Deficiencies
In-Patient Ward 6B
VAMC Bedford
Bedford, Massachusetts

GENERAL:

- A. This Addendum shall supplement, amend and become part of the Bid Documents. All Bids and the Construction Contract shall be based on these modifications.
- B. The General Contractor and all Filed Subcontractors shall alter their Bid and be bound by the following changes which affect both the Plans and the Specifications of the Construction Documents.

CHANGES TO THE CONTRACT SPECIFICATION:

A. Table of Contents of Specifications 518-10-110

ADD – Under Division 03, *Section 03 54 00 Cementitious Underlayment*. This new section helps to clarify and provide additional information for items shown on the construction drawings.

B. Section 03 54 00 Cementitious Underlayment

ADD - This is a new section which was not originally included in the 100% submission package or the changes referenced under Addendum No. 1.

This new section provides for the incorporation of cementitious floor fill to create correctly sloped floors patient showers, patient bathrooms and the patient laundry room. Use trowel-applied, feather edge product in locations requiring a slope to the drain.

C. Section 06 61 16 Solid Surface Fabrications

ADD- the following under Part 1 General, Section 1.2 Related Work:

D. Sloped cementitious fill: Section 03 54 00 Cementitious Underlayment.

D. Section 09 30 13 Ceramic/ Porcelain Tiling

ADD- the following under Part 1 General, Section 1.2 Related Work:

F. Sloped cementitious fill: Section 03 54 00 Cementitious Underlayment.

E. Section 09 65 16 Resilient Sheet Flooring

ADD- the following under Part 1 General, Section 1.2 Related Work:

F. Sloped cementitious fill: Section 03 54 00 Cementitious Underlayment.

END OF ADDENDUM

Attachments:

- Section 03 54 00 Cementitious Underlayment

SECTION 03 54 00
CEMENTITIOUS UNDERLAYMENT

PART 1 – GENERAL

1.1 DESCRIPTION

- A. Fortified mortar bed capable of maintaining a slope (non self-leveling).

1.2 RELATED WORK

- A. Materials testing and inspection during construction: Section 01 45 29, TESTING LABORATORY SERVICES.
- B. Shower Pans: Section 06 61 16, SOLID SURFACE FABRICATIONS.
- C. Floor Tiling: Section 09 30 13 CERAMIC/PORCELAIN TILING.
- D. Bathroom Flooring: Section: 09 65 16: RESILIENT SHEET FLOORING.
- E. Floor & Shower Drains: Applicable sections within Division 28 PLUMBING.

1.3 DEFINITION

- A. Cementitious fill capable of sloping from a maximum 1" thickness to a feather finish.

1.4 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, and SAMPLES.
- B. Manufacturer's MSDS and Product Data Sheets on each product to be used including:
 - 1. Shelf life and limitations.
 - 2. Surface preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
 - 4. Installation methods.
- C. Fabricator/installer qualifications:
 - 1. Provide copy of certification number.

1.5 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Installation of cementitious fill must be by an applicator using mixing equipment and tools approved by the manufacturer.
 - 2. Cementitious fill shall be able to be installed from a true featheredge to 1" thick area.

3. Site mix materials in accordance with manufacturer's instructions.
 4. Potable water shall not be detrimental to mix materials.
 5. Ensure manufacturer's recommendations for installation in cold and/or hot weather are followed.
 6. Cementitious fill must be compatible with required waterproofing and moisture resistant patch.
 7. Cementitious fill must not void the warranty for new flooring finishes and/or solid surface shower pan.
- B. Fabricator/installer qualifications:
1. Work of this section shall be by a certified installer, certified in writing by the manufacturer.
- C. Applicable standards:
1. Standards of the following, as referenced herein:
 - a. American National Standards Institute (ANSI)
 - b. American Society for Testing and Materials (ASTM)
 1. ASTM C270
 2. ASTM 109C/mod. (Air-cure only)
- D. Coordination drawings:
1. Shall be prepared indicating:
 - a. Plumbing work.
 - b. Existing Slab conditions (i.e. rib and thickened slab locations. Contractor shall be responsible for drilling pilot holes to locate ribs and thickened slab prior to coring hole(s) for plumbing drains.
 2. Content:
 - a. Project-specific information, drawn accurately to scale.
 - b. Do not base coordination drawings on reproductions of the contract documents or standard printed data.
 - c. Indicate dimensions shown on the contract drawings and make specific note of dimensions that appear to be in conflict with existing unforeseen conditions (i.e. location of ribs and thickened slab portions in existing floor slab) and minimum clearance requirements.
 - d. Provide alternate sketches to designer for resolution of such conflicts.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in their original, unopened packages and protect from extreme temperatures and moisture.
- B. Store components indoors prior to installation.
- C. Handle materials to prevent damage to finished surfaces.
 - 1. Provide protective coverings to prevent physical damage or staining following installation for duration of project.

1.7 WARRANTY

- A. Provide manufacturer's warranty against defects in materials.
 - 1. Warranty shall provide material and labor to repair or replace defective materials.
 - 2. Damage caused by physical or chemical abuse or damage from excessive heat will not be warranted.
- B. Manufacturer's Warranty Period:
 - 1. Five years from date of substantial completion.

1.8 MAINTENANCE

- A. Provide maintenance requirements as specified by the manufacturer.

PART 2 – PRODUCTS

2.1 MATERIALS

- A. Fortified mortar bed is a Portland cement-based, self drying, trowelable finishing underlayment capable of a feather finish.
- B. Water shall be clean, potable and sufficiently cool (not warmer than 70 degrees F).

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Examine substrates and existing conditions, with supplier present for compliance with requirements for installation tolerances, and other conditions affecting performance of work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. All subfloors, regardless of material, must be solid, structurally sound and thoroughly cleaned.
- B. All concrete subfloors must be clean, and free of all oil, grease, dirt, laitance, paint, concrete sealers or curing compounds and any substance which may act as a bondbreaker. Mechanically clean, if necessary, using shot blasting or other as approved by the Project Engineer. Acid etching and the use of sweeping compounds or solvents are not acceptable.
- C. All surfaces should be between 40 degrees F and 90 degrees F.
- D. Dry dusty concrete slabs should be dampened and excess water swept off. Consult manufacturer recommendations concerning whether installation may be made on a damp surface.
- E. Subfloors shall be tested and corrected for moisture or any other conditions which could affect the performance of the underlayment or finished floor covering.
- F. All existing voids, holes and cracks shall be filled as required by manufacturer.

3.3 REPAIR

- A. Repair or replace damaged work, which cannot be repaired to satisfaction of the Project Engineer.

3.4 CLEANING AND PROTECTION

- A. Keep components clean during installation.
- B. Prior to the installation of the finish topping, the surface of the underlayment should be protected from abuse by other trades by the use of plywood, Masonite or other suitable protection course.

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