

SECTION 01045

CUTTING AND PATCHING (BEALE AFB)
04/00

PART 1 GENERAL

1.1 WORK INCLUDED

Contractor shall be responsible for all cutting, fitting and patching, including attendant excavation and backfill, required to complete Work or to:

- a. Make its several parts fit together properly.
- b. Uncover portions of Work to provide for installing, inspecting, or both, of ill- timed work.
- c. Remove and replace defective work.
- d. Remove and replace work not conforming to requirements of Contract Documents.
- e. Remove samples of installed work as specified for testing.
- f. Provide routine penetrations of non-structural surfaces for installation of piping and electrical conduit.

PART 2 PRODUCTS

2.1 MATERIALS

For replacement of items removed, use new materials complying with pertinent sections of these Specifications.

PART 3 EXECUTION

3.1 INSPECTION

3.1.1 Existing Conditions

Inspect existing conditions of Project, including elements subject to damage or to movement during cutting, patching, excavating and backfilling.

3.1.2 Inspection of Uncovered Work

After uncovering work, inspect conditions affecting installation of products or performance of work.

3.1.3 Reports

Report unsatisfactory or questionable conditions to Contracting Officer in writing; do not proceed with work until Contracting Officer has provided further instructions and unsatisfactory or questionable conditions are completed.

3.2 PREPARATION

3.2.1 Protection

Provide required protection including, but not necessarily limited to, shoring, bracing, and support to assure structural value or integrity of the Work.

3.2.2 Protection of Other Portions

Provide devices and methods to protect other portions of Project from damage.

3.2.3 Protection for Elements

Provide protection from elements for that portion of Project which may be exposed by cutting and patching work, and maintain excavations free from water.

3.3 PERFORMANCE

3.3.1 Methods

Execute cutting and demolition by methods, which will prevent damage to other work, and will provide proper surfaces to receive installation of repairs.

3.3.1.1 Existing Work

Whenever cutting or removal of portions of existing work is indicated, such work shall be neatly sawn or cut in a manner that will produce a neat, straight line, parallel to adjacent surfaces or plumb for vertical surfaces. Care shall be exercised not to damage any work that is to remain.

3.3.1.2 Cutting

Cutting of concrete and masonry shall be performed to minimize noise and dust. During all cutting, surfaces shall be kept damp and cutting tools covered with wet sacks or other effective means to eliminate dust.

3.3.2 Excavating and Backfilling

Execute excavating and backfilling by methods which will prevent settlement or damage to other work.

3.3.3 Installer/Fabricator

Employ appropriate Installer or Fabricator to perform cutting and patching for:

- a. Weather-exposed or moisture-resistant elements.
- b. Sight-exposed finished surfaces.

3.3.4 Fitting and Adjustment

Execute fitting and adjustment of products to provide finished installation to comply with specified products, functions, tolerances and finishes.

3.3.5 Restoration

Restore work which has been cut or removed; install new products to provide completed Work in accordance with requirements of Contract Documents.

3.3.6 Penetrations

Fit works airtight to pipes, sleeves, ducts, conduit and other penetrations through surfaces.

3.3.7 Refinish

Refinish entire surfaces as necessary to provide even finish to match adjacent finishes:

- a. For continuous surfaces, refinish to nearest intersection.
- b. For an assembly, refinish entire unit.

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