

SECTION 01045

CUTTING AND PATCHING

PART I - GENERAL

1.01 DESCRIPTION OF WORK

- A. The General Contractor may, at his option, include Work as part of the various Subcontractor work. However, by so doing does not relieve him of any responsibilities for proper execution of the work and in accordance with the Contract Documents.
- B. Contractor shall be responsible for all cutting, fitting and patching, including attendant excavation and backfill required to complete the Work or to:
  - 1. Make its several parts fit together properly.
  - 2. Uncover portions of the Work to provide for installation of ill-timed work.
  - 3. Remove and replace defective work.
  - 4. Remove and replace work not conforming to requirements of Contract Documents.
  - 5. Remove samples of installed work as specified for testing.
  - 6. Provide routine penetrations of non-structural surfaces for installation of piping and electrical conduit.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.
- B. Section 01041 - Project Contract Coordination.
- C. Section 07840 - Fire Stopping.

1.03 SUBMITTALS

- A. Submit a written request to Architect well in advance of executing any cutting or alteration that affects:
1. Work of the Owner or any separate Contractor.
  2. Structural value or integrity of any element of the Project.
  3. Integrity of effectiveness of weather-exposed or moisture-resistant elements or systems.
  4. The efficiency, operational life, maintenance or safety of any operational elements.
  5. Visual qualities of sight-exposed elements.
- B. Request shall include:
1. Identification of the Project.
  2. Description of affected work.
  3. The necessity for cutting, alteration or excavation.
  4. Effect on work of Owner or any separate Contractor, or on structural or weatherproof integrity of Project.
  5. Description of proposed work:
    - a. Scope of cutting, patching, alteration or excavation.
    - b. Trades who will execute the work.
    - c. Products proposed to be used.
    - d. Extent of refinishing to be done.
  6. Alternatives to cutting and patching.
  7. Cost proposal, when applicable by change order only.
  8. Written permission of any separate Contractor whose work will be affected.
- C. Submit advance written notice to Architect designating the date and

the time the work will be uncovered. If work proceeds without proper notice, it is established that the work will be of a "like-new" nature.

PART II - PRODUCTS

2.01 MATERIALS

- A. Comply with specifications and standards for each specific product involved.

PART III - EXECUTION

3.01 INSPECTION

- A. Inspect existing conditions of Project, including elements subject to change or to movement during cutting and patching.
- B. After uncovering work, inspect conditions affecting conditions installation of Products or performance of work.
- C. Report unsatisfactory or questionable conditions to Architect in writing; do not proceed with work until Architect has provided further instructions.

3.02 PREPARATION

- A. Provide adequate temporary support as necessary to assure structural value or integrity of affected portions of Project from damage.
- B. Provide devices and methods to protect other portions of Project from damage.
- C. Provide protection from elements for that portion of the Project that may be exposed by cutting and patching work, and maintain excavations free from water.

3.03 PERFORMANCE

- A. Execute cutting and demolition by methods that prevent damage to other work and will provide proper surfaces to receive installation of repairs.
- B. Execute excavating and backfilling by methods that will prevent settlement or damage to other work.
- C. Employ original Installer or Fabricator to perform cutting and patching for:

1. Weather-exposed or moisture-resistant elements.
  2. Sight-exposed finished surfaces.
- D. Execute fitting and adjustment of products to provide a finished installation to comply with specified products, function tolerances and finishes.
- E. Restore work that has been cut or removed; install new products to provide completed Work in accord with requirements of Contract Documents.
- F. Fit work airtight to pipes, sleeves, ducts, conduit and other penetrations through surfaces.
1. Fireproof as required.
  2. Section 07840 - Fire Stopping.
- G. Refinish entire surfaces as necessary to provide an even finish to match adjacent finishes.
1. For continuous surfaces, refinish to nearest intersection.
  2. For an assembly, refinish entire unit.
  3. On existing work, restore to an "as-was" condition.

END OF SECTION