SECTION 01 73 29
CUTTING AND PATCHING

Notes: This section is intended to include incidental cutting, fitting and patching required to complete the Work or to make its several parts fit together properly.

PART 1 GENERAL
1.01 REQUIREMENT INCLUDED

A. Requirements and limitations for cutting and patching of Work.

1.02 RELATED REQUIREMENTS

A. Section 01 11 000 - Summary of Work.
B. Section 01 43 00 - Material and Equipment: Substitutions (See General Terms and Conditions – Articles 2 & 6)
C. Individual Specifications Sections:
   1. Cutting and patching incidental to work of the Section.
   2. Advance notification to other trades of openings required in work of these trades.
   3. Do not cut or drill into any prestressed concrete member or post tensioned slab.

1.03 SUBMITTALS

A. Submit written request in advance of cutting or alteration which affects:
   1. Structural integrity of any element of Project.
   2. Integrity of weather-exposed or moisture-resistant element.
   3. Efficiency, maintenance, or safety of any operational element.
   5. Work of Owner or separate contractor.

B. Include in request:
   1. Identification of Project.
   2. Location and description of affected work.
   3. Necessity for cutting or alteration
   4. Description of proposed work and products to be used.
   5. Alternatives to cutting and patching.
   6. Effect on work of Owner or separate contractor.
   7. Written permission of affected separate contractor.
   8. Date and time work will be executed.

PART 2 PRODUCTS
2.01 MATERIALS

A. Those required for original installation.
B. For any change in material, submit request for substitution under provisions of General Terms and Conditions.

PART 3 EXECUTION

3.01 GENERAL

A. Execute cutting, fitting and patching [including excavation and fill,] to complete Work, and to:
   1. Fit the several parts together, to integrate with other work.
   2. Uncover work to install ill-timed work.
   3. Remove and replace defective and non-conforming work.
   4. Remove samples of installed work for testing.
   5. Provide openings in elements of Work for penetrations of mechanical and electrical work.

3.02 INSPECTION

A. Inspect existing conditions, including elements subject to damage or movement during cutting and patching.

B. After uncovering, inspect conditions affecting performance of work.

C. Beginning of cutting or patching means acceptance of existing conditions.

3.03 PREPARATION

A. Provide supports to assure structural integrity of surroundings; devices and methods to protect other portions of Project from damage.

B. Provide protection from elements for areas which may be exposed by uncovering work; maintain excavations free of water.

3.04 PERFORMANCE

A. Execute work by methods to avoid damage to other work, and which will provide proper surfaces to receive patching and finishing.

B. Employ original installer to perform cutting and patching for weather-exposed and moisture-resistant elements, and sight-exposed surfaces.

C. Cut rigid materials using masonry saw or core drill. Pneumatic tools are not allowed without prior approval.

D. Restore work with new products in accordance with requirements of Contract Documents.

E. Fit work [airtight] [watertight] [_________________] to pipes, sleeves, ducts, conduit and other penetrations through surfaces.

F. At penetrations of fire-rated wall, ceiling, or floor construction, completely seal voids with [fire-rated] [fire-resistant] [_________________] material, full thickness of the construction element.

G. Refinish surfaces to match adjacent finishes. For continuous surfaces, refinish to nearest intersection; for an assembly, refinish entire unit.
END OF SECTION