

SECTION 017329
CUTTING, PATCHING, SLEEVES AND INSERTS

PART 1 GENERAL

1.1 DESCRIPTION OF WORK

- A. This Section describes each Prime Contractor's cutting, fitting, patching, sleeves, and inserts required to complete the Work and to:
 - 1. Make the parts come together properly.
 - 2. Uncover or remove portions of the Work to provide for installation of ill-timed work.
 - 3. Remove and replace defective work.
 - 4. Remove samples of installed work for testing as specified.
 - 5. Provide penetrations for installation of piping and electrical conduit.
 - 6. Repair surfaces shown to remain in the finished work, which are damaged in the process of demolition.
 - 7. Coordinate penetrations, sleeves, and inserts that are specified in one specification section and installed by another.

1.2 RELATED WORK SPECIFIED ELSEWHERE

- A. Applicable provisions of Bidding Requirements, Contract Requirements in Division 0 and all applicable Division 1 sections.

1.3 REGULATORY REQUIREMENTS

- A. All cutting, fitting and patching shall be performed in compliance with governing code regulations relative to firestopping and smoke penetration.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Use materials that exactly match materials being cut or patched. If exact materials are not available, match with new materials with installed performance matching or exceeding cut or patched material. Comply with specifications and standards for each material involved.
- B. Sleeves and Inserts: as specified in the Trade Sections requiring inserts and sleeves for the installation of their work.

PART 3 EXECUTION

3.1 INSPECTION

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

- B. Report unsatisfactory conditions to the City. Do not proceed until directed.

3.2 PREPARATION

- A. Provide temporary support as required to maintain the structural integrity of work.
- B. Provide materials and methods to protect other work from damage, including exposure to the elements.

3.3 PERFORMANCE

- A. Do not cut or alter the work of another Prime Contractor without written consent of the City.
- B. Perform cutting of structural steel, structural concrete or load bearing unit masonry only after approval of the City.
- C. Execute cutting and demolition by methods that will prevent damage to other work, and provide proper surfaces to receive installation of repairs.
- D. Remove excess materials resulting from cutting and patching and dispose of legally off site.
- E. Perform excavating and backfilling by methods that will prevent settlement or damage to other work. Maintain excavations free of water.
- F. Where cutting and patching of materials provided under this Contract is required, employ the original installer or fabricator to perform cutting and patching of:
 - 1. Structural steel and concrete.
 - 2. Weather-exposed elements.
 - 3. Moisture- or corrosion-resistant elements.
 - 4. Sight-exposed finished surfaces.
- G. Execute fitting and adjustment of products to provide a finished installation to comply with specified products, functions, tolerances and finishes.
- H. Restore work to remain, or be reused, which has been cut or removed. Install new products to provide complete work in accordance with Contract Documents.
- I. Refinish entire surface to provide an even finish to match adjacent surfaces. For continuous surfaces, refinish to nearest intersection. For an assembly, refinish the entire unit.
- J. Furnish sleeves and inserts required under individual specification sections to Contractor installing the Work to be sleeved or to have insert embedded. Be responsible for their correct location and installation.
- K. Penetrations required, but not shown on the Drawings, shall be cut into the work.

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