

SECTION 01 73 29 – CUTTING AND PATCHING

1.0 GENERAL

1.1 Related Documents

- A. Drawings and general provisions of the Contract and Agreement apply to this section.

1.2 Summary

- A. Work Included: This Section establishes general requirements pertaining to cutting (including excavating), fitting, and patching of the Work required to:
 1. Make the several parts fit properly.
 2. Uncover Work to provide for installation, inspection, or both, of ill-timed Work.
 3. Remove and replace Work not conforming to requirements of the Contract Documents.
 4. Remove and replace defective Work.
 5. Provide routine penetrations of nonstructural surfaces for installation of piping and conduit.
 6. Provide openings, or patch formed openings, required for sleeves, inserts and or embedded items that were not installed as required.

1.3 Quality Assurance

- A. Perform all cutting and patching in strict accordance with pertinent requirements of these Specifications and, in the event no such requirements are determined, in conformance with the Engineer's written direction.
- B. The Contractor will be held responsible for the contents and structural condition of the premises. The Contractor shall supervise and be held responsible for all cutting and patching work performed by its subcontractors.

1.4 Submittals

- A. Submit the following prior to construction:
 1. Prior to cutting which affects structural safety, submit written request to the Engineer for permission to proceed with cutting.
 2. Should conditions of the Work, or schedule, indicate a required change of materials or methods for cutting and patching, so notify the Engineer and secure his/her written permission prior to proceeding.
 3. Submit a written request for any cutting or alterations, which affects the integrity of weather exposed or moisture resistant elements or systems.
 4. Submit a written request for any cutting or alterations, which may alter the visual qualities of exposed elements.
 5. Submit a written request for cutting or alteration of the work.

1.5 Protection

- A. Provide and maintain protection for existing construction which is to remain, adjacent property, the public and East Providence School Department's employees.

- B. Provide all barricades, lights, signals and other protection, which may be required by federal, state and local laws or ordinances and maintain same for the full period of the operation.
- C. Provide and maintain temporary weather-tight and/or dust-tight protection, as approved by the CO and the FAA COR, for openings which expose the existing or new construction and equipment to weather or separate that portion of FAA's existing occupancy (which will remain in operation during construction) from new construction areas.
 - 1. Temporary barriers shall be of noncombustible or flame retardant-treated materials.
 - 2. Where applicable, protection may be removed for working purposes and then replaced at end of each day's work.
 - 3. Temporary protection in the construction area shall remain in place until the Engineer authorizes removal of such protection.

2.0 PRODUCTS

2.1 Materials

- A. Replacement or repair materials shall match those of the existing adjacent surfaces.
- B. Finished surfaces shall be repaired to match existing finished surfaces.
- C. All surfaces, walls, floors and ceilings shall be repaired to maintain their integrity and fire resistance.
- D. Materials containing asbestos shall not be permitted.

3.0 EXECUTION

3.1 Conditions

- A. Coordinate examinations with the Owner.
- B. Inspect existing conditions, including elements subject to movement or damage during cutting, excavating, backfilling, and patching.
- C. After uncovering the Work, inspect conditions affecting installation of products or performance of work.

3.2 Preparation

- A. Prior to cutting, coring, or demolition, provide the following.
- B. Shoring, bracing and support as required to maintain structural integrity of the project.
- C. Protection from elements.
- D. Other protection indicated by Engineer.

3.3 Performance

- A. Perform operations in such manner as to avoid hazards to persons and property and interference with the use of adjacent areas or interruption of free passage to and from such areas. Take care to prevent the spread of dust and flying particles.
- B. Execute cutting, coring demolition and debris removal work in a careful and orderly manner. Accumulation of rubbish will not be permitted.
- C. Restore work which has been cut or removed and install new products to provide completed work in accordance with contract requirements.
- D. Refinish entire surfaces as necessary to provide an even finish.
 - 1. Continuous surfaces, refinish to nearest intersection of surfaces.
 - 2. Assembly, refinish entire assembly.
- E. No utilities shall be interrupted without first notifying the Engineer and having his concurrence with the interruption. Provide temporary support for utilities whose support is disturbed by removal work. Coordinate with related trades any disconnecting and rerouting of existing services.
- F. Fit work airtight to pipes, sleeves, ducts, conduits and other penetrations through surfaces.

3.4 Ownership and Disposal of Removed Materials

- A. Removed materials shall become property of the contractor and shall be removed from the premises and legally disposed of.

3.5 Clean-Up

- A. The areas of cutting, coring, demolition and debris removal, inside and outside the building shall be left in a safe and clean condition suitable for the installation of new work.

END OF SPECIFICATION