

**SECTION 01040**  
**COORDINATION**

**PART 1 - GENERAL**

**1.01 SECTION INCLUDES**

- A. Coordination.
- B. Cutting and patching.
- C. Alteration project procedures.

**1.02 COORDINATION**

- A. Coordinate scheduling, submittals, and Work of the various Sections of Specifications to assure efficient and orderly sequence of installation of interdependent construction elements.
- B. For equipment units, coordinate work of various Sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- C. Coordinate space requirements and installation of mechanical and electrical work which are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit, as closely as practicable; place runs parallel with line of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
- D. Coordinate completion and cleanup of Work of separate Sections in preparation for Substantial Completion and for portions of Work designated for Owner's partial occupancy.
- E. After Owner occupancy of premises, coordinate access to site for correction of defective Work and Work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

**1.03 CUTTING AND PATCHING**

- A. Employ skilled and experienced installer to perform cutting and patching.
- B. Submit written request, and obtain Owner's approval of proposed cutting and patching methods, in advance of cutting or altering elements, which affect:
  - 1. Structural integrity of element.
  - 2. Integrity of weather-exposed or moisture-resistant element.
  - 3. Efficiency, maintenance, or safety of element.

4. Visual qualities of sight-exposed element.
  5. Work of Owner or separate Contractor.
- C. 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 or correct ill-timed Work.
  3. Remove and replace defective and non-conforming Work.
  4. Remove samples of installed Work for testing.
- D. Execute Work by methods, which will avoid damage to other work, and provide proper surfaces to receive patching and finishing.
- E. Restore Work with new Products in accordance with requirements of Contract Documents.
- F. Fit Work tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
- G. Maintain integrity of wall, ceiling, or floor construction; completely seal voids.
- H. Finish new and refinish existing surfaces to match adjacent finishes. For continuous surfaces, refinish existing surfaces to the nearest intersection with new; for an assembly, refinish entire unit.
- I. Identify hazardous substances or conditions exposed during the Work to the Owner for decision or remedy.
- J. Contractor shall perform cutting and patching, core drilling, and masonry removal to provide required openings for all pipes, ducts, conduits, and other electrical, mechanical and HVAC penetrations; and shall perform painting of walls, pipes, conduits or other elements disturbed by these operations.
- K. Cutting and patching methods for piping, electrical, and HVAC penetrations.
1. Masonry Unit Removal: Cut and remove existing whole masonry units as required to accommodate the setting of sleeves and conduits through masonry walls.
    - a. Following setting through-wall items replace removed whole or partial masonry units with new units cut with a masonry saw to fit around new item(s). Set units in mortar matching existing in composition and color. Slush mortar solidly around through-wall items allowing a sealant recess on both sides of wall. New masonry work shall match existing in appearance and plane.
    - b. Following masonry cutting and patching work repaint new and disturbed wall surfaces to match surrounding area. Allow new mortar to reach full cure before repainting. The extent of repainting work shall be to the limits of the existing wall area (floor to ceiling and to adjoining or intersecting walls) in which wall penetrations occur.
    - c. Perform sealing and painting work in accordance with the Specifications.

2. Core-Drilling: Make penetrations as required to accommodate the setting of sleeves and conduits through existing walls by the core-drilling method. Make such core-drilled penetrations true, clean, and free from spalling of existing materials.
  - a. Following setting of sleeves and conduits in core-drilled penetrations install seals and sealant in accordance with the Specifications.
  - b. Repainting will not be required with core-drilling method; clean wall areas around core-drilled penetrations to a condition equal to or better than the conditions prior to core-drilling.

#### 1.04 ALTERATION PROJECT PROCEDURES

- A. Materials: As specified in Product Sections; match existing products and work for patching and extending work.
- B. Close openings in exterior surfaces to protect existing work from weather and extremes of temperature and humidity.
- C. Remove, cut, and patch work in a manner to minimize damage and to provide a means of restoring products and finishes to original condition.
- D. Where new work abuts or aligns with existing, perform a smooth and even transition. Patch work to match existing adjacent work in texture and appearance.
- E. When finished surfaces are cut so that a smooth transition with new work is not possible, terminate existing surface along a straight line at a natural line of division.
- F. Where a change of plane of 1/4 inch or more occurs, submit recommendation for providing a smooth transition for Owner review and approval.
- G. Patch or replace portions of existing surfaces, which are damaged, lifted, discolored, or showing other imperfections.
- H. Finish surfaces as specified in individual Product Sections.

#### PART 2 - PRODUCTS

NOT APPLICABLE TO THIS SECTION

#### PART 3 - EXECUTION

NOT APPLICABLE TO THIS SECTION

**END OF SECTION**