

**SECTION 02070**

**SELECTIVE DEMOLITION**

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Remove materials, systems, components, fixtures and equipment as designated and for completion of modernization work indicated.
- B. Coordinate selective demolition for remodeling with mechanical, structural and electrical demolition; cap and identify active utilities where not otherwise identified under Division 15 and 16 work.
- C. All off site disposal to be per the ordinances of the City of Woodland for removal and recycling of construction material.
- D. General contractor is responsible for all verification and off site removal of all hazardous materials, per local and state requirements.

1.02 RELATED WORK

- A. Not used

1.03 QUALITY ASSURANCE

- A. Perform demolition in conformance with ANSI A10.6 and requirements of Section 01505.

1.04 EXISTING CONDITIONS

- A. Site Surveys:
  - 1. Prior to start of demolition operations, conduct survey of existing conditions. On such survey, list items specified and indicated to be salvaged.
  - 2. Following performance of demolition, inspect and report defects and structural weaknesses of construction and improvements partially demolished, cut, and removed; of construction and improvements remaining; and of adjacent construction and improvements. Report should include quantification of dryrot observed.
- B. Protection: Protect the structural integrity of existing construction and improvements to remain.

1.05 PROTECTION

- A. Maintain free and safe passage to and from all areas of the Work.

1. Cover and protect existing materials when demolition work is performed in areas where existing materials will not be removed.
- B. Prevent movement of adjacent construction, provide and place bracing and be responsible for safety and support of adjacent construction.
  1. Assume liability for such movement, damage and injury.
- C. Cease operation and notify Architect immediately if safety of structure appears to be endangered; take precautions to properly support structure.
  1. Do not resume operation until safety is restored.

#### 1.06 EXISTING SERVICES

- A. Disconnect or remove utility services as required for completion of Project; disconnect, stub off, and cap utility service lines not required for new construction.
  1. Do not remove utilities discovered during demolition, but not indicated, without first determining purpose for utility.
- B. Place markers to indicate location of disconnected services; identify service lines and capping locations on Project Record Documents.

#### PART 2 - PRODUCTS

##### 2.01 MATERIALS

- A. General:
  1. Remove and recycle or dispose of items and materials not designated to be salvaged. Disposal shall be at the legal dump site for the material to be disposed. Coordinate with Section 01505.
  2. If, in the course of removing designated items and materials, the condition of other materials or the structure so exposed appears to be damaged or of otherwise questionable condition, immediately notify the Architect, who will determine if the other materials or structure shall be removed, and if so to what extent.
  3. Nothing to be removed from the site shall be stored, sold, or burned on the site.
  4. Remove and recycle or dispose of all debris found in each unit at start of work.
- B. Items to be Salvaged:
  1. Carefully remove materials indicated to be retained by Owner; deliver and store where directed.
- C. Coordinate extent of existing materials to be retained by Owner with Owner's Representative prior to beginning selective demolition.
  1. Carefully disconnect, remove, and protect items indicated and designated to be salvaged, as well as any additional items so directed by the Architect.
  2. Package salvaged items that are in satisfactory condition for reinstallation in cardboard and label as to contents. Should a question arise as to whether or not certain items are of suitable condition for reinstallation, consult the Architect for determination.

3. Salvaged items not indicated or designated for reinstallation in the Work shall remain in storage.
4. Obtain approved list of items to be salvaged, prior to beginning demolition operations. Salvage the following items unless otherwise indicated or directed by the Architect, and transport items to storage site designated by the Contracting Officer:
  - a. Boilers.
  - b. Mechanical equipment.
5. Salvaged items rejected by the Contracting Officer shall become the Contractor's property.

### PART 3 - EXECUTION

#### 3.01 EXAMINATION

- A. Verify that conditions are satisfactory for beginning selective building demolition. If unsatisfactory conditions exist, do not begin demolition operations until such conditions have been corrected.

#### 3.02 PREPARATION

- A. Prior to start of demolition operations, prepare a proposed sequence for the Work; coordinate with related Work which requires cutting and sawing.
- B. Review proposed sequence with the Owner and Architect prior to starting demolition operations.
- C. Cap and protect utility lines prior to start of demolition operations.

#### 3.03 GENERAL

- A. As demolition progresses, continuously inspect for damage. Should signs of damage arise, immediately notify the Architect, and stop demolition operations in the affected location until advised as to how to proceed. Protect building fabric to remain.
- B. Remove items designated for demolition, and as required for the performance of the Work. If in doubt as to whether an item is to be demolished, contact the Architect for a decision prior to proceeding with its demolition.
- C. Remove items carefully; provide for neat and structurally sound junctions between existing and new materials.
- D. As applicable, remove miscellaneous items and fastenings associated with items to be demolished.
- E. Demolish concrete in small sections.
- F. Clean surfaces affected by the demolition operations of all residual adhesives, bitumen, and other adhering materials, to afford suitable substrates for the application of new materials.

- G. Demolish indicated appurtenances in an orderly and careful manner.
  - 1. Use methods which do not damage materials indicated to remain.
  - 2. Cut concrete and masonry using masonry saws and hand tools; provide sharp clean cuts requiring minimal patching for new construction.
  - 3. Use impact tools only where specifically approved in advance for areas where operations do not disturb building occupancy.
- H. Perform demolition in accordance with authorities having jurisdiction.
- I. Remove demolished materials from site, unless otherwise directed.
  - 1. Remove from site, contaminated, vermin infested, and dangerous materials encountered and disposed of by safe means so as not to endanger health of workers or public.
- J. Remove tools and equipment upon completion of work; leave area in condition acceptable to Architect.

#### 3.04 CUTTING AND CORING

- A. Make new openings neat, as close as possible to profiles indicated, and only to the extent required to accommodate new Work.
- B. Do not cut or alter structural members without the prior written consent of the Architect.
- C. At concrete materials where edges of cuts and holes will remain exposed in the completed Work, perform cutting and coring with power equipment.

#### 3.05 REPAIR

- A. Repair damage to adjacent construction caused as result of this work.

**END OF SECTION - 02 41 19**