

DIVISION 02 EXISTING CONDITIONS

SECTION 020700 - SELECTIVE DEMOLITION

PART 1- GENERAL

1.01 CONTRACT REFERENCES

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 1 - GENERAL REQUIREMENTS, which are hereby made a part of this section of the specifications.
- B. Equality of material, article, assembly or system other than those named or described in this Section shall be determined in accordance with the provisions of Article IV of the CONTRACT AND GENERAL CONDITIONS.

1.02 RELATED DOCUMENTS

- A. Drawings and conditions of the Contract, including General and Supplementary General Conditions and all Division 1 Sections, apply to the work of this section.
- B. Section 010100— Summary of Work, Project Schedule, and Phasing of Project applies to this Section.
- C. Refer to Sections 016000 - Material and Equipment and 016310 - Product Substitutions for general requirements covering material storage, installation and substitutions.

1.03 SUMMARY OF WORK

- A. Extent of selective demolition work is indicated on drawings.
- B. Types of Selective Demolition Work: Demolition required of the selective removal and subsequent off site disposal including, but not limited to, the following:
 - 1. Removal of all existing roof material which includes and may not be limited to ; both asphalt and coal tar built-up roof system with gravel, Hypalon Roofing System, EPDM Roofing System, flashings, metal work, copings, fasteners, terminations, fibrous cant, various types of insulation, pitch pockets and blocking down to the existing deck for all areas shown on the roofs.
 - 2. Remove a miscellaneous unused roof element which includes but may not be limited to unused antennas, conduit, and wiring, as directed by the resident engineer.
 - 3. Remove existing fans as indicated.
 - 4. Remove existing roof drains.

- C. Furnish all shoring, bracing, lintel beams, plates, etc and all other miscellaneous equipment required for completion of this demolition work.
- D. Building Demolition Use such methods as required to complete work within limitations of O.S.H.A. and other governing regulations.
- E. Removal all existing construction as indicated on the drawings and as otherwise required. Note that drawings are general. 'Demolition" includes any incidental existing construction which requires removal in order that the demolition of each existing building component be completed in its entirety.
- F. Existing Material
 - 1. The Drawings indicate the materials of the existing building and structures to be removed to best of designer's knowledge. The General Contractor shall verify the type and dimension of all existing building materials prior to submitting his bid.
 - 2. To the best of the Owner's knowledge the exiting roof is three plies membrane of 1" insulation on the original tar roof. Contractor is required to verify the existing roof prior to bid.
- G. Break up and remove equipment throughout structure and remove materials so as to not impose excessive loads to supporting walls, floors or framing.

1.04 JOB CONDITIONS:

- A. Condition of Structures: Owner assumes no responsibility for actual condition of items or structures to be demolished.
 - 1. Conditions existing at time of commencement of contract will be maintained by Owner insofar as practicable. However, variations within structure may occur by Owners removal and salvage operations prior to start of selective demolition work.
 - 2. All remaining items that are scheduled to be removed shall be the property of the General Contractor and removed from the site.
- B. Partial Demolition and Removal: Items indicated to be removed but of salvageable value to Contractor may be removed from structure as work progresses. Transport salvaged items from site as they are removed.
 - 1. Storage or sale of removed items on site will not be permitted.
 - 2. Department of Facilities Management has first right of refusal on all salvageable items of value and to have Contractor deliver such to a site on Campus.
- C. Protections: Provide temporary barricades and other forms of protection as required to protect personnel and general public from injury due to selective demolition work.
 - 1. Provide protective measures as required to provide free and safe passage of personnel and general public to and from occupied portions of the site.

2. Provide interior and exterior shoring, bracing, or support to prevent movement, settlement or collapse of structure or element to be demolished, and adjacent facilities to work to remain.
 3. Remove protections at completion of work.
 4. Provide and maintain watertight protection of all demolition work exposed to the weather.
- D. Damages: Promptly repair damages caused to adjacent facilities by demolition work at no cost to Owner.
- E. Traffic: Conduct selective demolition operations and debris removal in a manner to ensure minimum interference with roads, streets, walks and other adjacent occupied or used facilities.
1. Do not close, block or otherwise obstruct streets, walks or other occupied or used facilities without written permission from authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways, if required by governing regulations.
- F. Utility Services: Maintain existing utilities indicated to remain, keep in service, and protect against damage during demolition operations.
1. Do not interrupt existing utilities serving occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities, as acceptable to governing authorities, the Owner and Architect.
 2. Disconnect and seal utilities service structures to be demolished, prior to work. Comply with all applicable state, local and municipal laws, codes and regulations including requirements to notify utility owners prior to subsurface work. Comply with all affected utility company requirements.
- G. Environmental Controls: Use water sprinkling, temporary enclosures and other suitable methods to limit dust and dirt rising and scattering in air to lowest practical level. Comply with governing regulations pertaining to environmental protection.
1. Do not use water when it may create hazardous or objectionable conditions such as ice, flooding and pollution.

PART 2- PRODUCTS (Not Applicable)

PART 3- EXECUTION

3.01 INSPECTION:

- A. Prior to commencement of selective demolition work, inspect areas in which work will be performed. Photograph existing conditions and equipment, which could be misconstrued as damage resulting from selective demolition work; file with Owner's Representative prior to starting demolition or other work.

3.02 DEMOLITION:

- A. Perform selective demolition work in a systematic manner. Use such methods, as required, to complete work indicated on Drawings in accordance with demolition schedule and governing regulations.
 - 1. Locate demolition equipment throughout structure and promptly remove debris to avoid imposing excessive loads on supporting walls, floors or framing.
 - 2. Provide services for effective air and water pollution controls as required by local authorities having jurisdiction.
 - 3. Only as much existing roof shall be removed as can be replaced with roofing system in one day including all flashing work.
- B. If unanticipated mechanical, electrical or structural elements which conflict with intended function or design and encountered, investigate and measure both nature and extent of the conflict. Submit report to Owner's Representative in written, accurate detail. Pending receipt of directive from Owner's Representative, rearrange selective demolition schedule as necessary to continue overall job progress without delay.

3.03 DISPOSAL OF DEMOLISHED MATERIALS:

- A. Remove debris, rubbish and other materials resulting from demolition operations from building site. Transport and legally dispose of materials off site.
 - 1. Burning of removed materials is not permitted on project site.
 - 2. Except as indicated below, the General Contractor shall remove all demolished materials and rubbish at the end of each day. It shall be taken to places of legal disposal. All costs in this connection shall be paid by the General Contractor.

3.04 PATCHING EXISTING MATERIAL

- A. The work shall include careful examination of the Drawings to determine quantities, options, locations, sizes, types and details of work described in this Section, including but not limited to the following:
 - 1. Patching of the existing slabs installation of new drains and drain piping.

END OF SECTION 020700