

SECTION 02 41 19.43
SELECTIVE MECHANICAL DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

- A. Work Includes: Removal or relocation of the following items in the areas indicated on the drawings:
 - ~~1. Removal of tanks~~
 - ~~2. Removal of pumps~~
 - 3. Removal of piping
 - 4. Removal or relocation of instrumentation and electrical wiring
 - 5. Removal of compressors
- B. Related Work:
 - 1. Section 02 41 13 - Selective Demolition.
 - 2. Section 02 82 00 - Asbestos Remediation.
 - 3. Section 02 83 00 - Lead Remediation.

PART 2 - PRODUCTS

(Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Prior to commencement of selective mechanical demolition work, inspect areas in which work will be performed. Make sure that piping and equipment have been properly flushed and neutralized prior to removal. Since the piping and equipment may contain chemical residues, render them incapable of further use before removal from Owner's property.
- B. Mechanical demolition Drawings are based on casual field observation and/or existing record documents. Report discrepancies to the Architect/Engineer and Owner's Authorized Representative before disturbing existing installation. Beginning of demolition means installer accepts existing conditions.
- C. Document existing conditions which could be misconstrued as damage resulting from selective mechanical demolition work, document existing conditions with the drawings of all the disciplines, coordinate with all the disciplines and file with Owner's Authorized Representative prior to starting work.

- D. Prior to the start of any demolition work within the building, provide the Architect-Engineer and Owner a schedule of phased selective demolition for all mechanical demolition at the project site.

3.2 PROTECTION

- A. Carefully protect all mechanical equipment scheduled to remain against dust and debris.
- B. Provide adequate scaffolding, shoring, bracing railings, toe boards and protective covering during demolition to protect personnel and equipment against injury or damage. Cover floor openings not used for material drops with material substantial enough to support any loads placed on it. Properly secure the covers to prevent accidental movement.
- C. Provide safe access to and egress from all working areas at all times with adequate protection from falling material.
- D. Do not drop any material to any point lying outside the exterior walls of the structure unless the area is effectively protected.
- E. Provide adequate lighting at all times during demolition.
- F. Close areas below demolition work to anyone while removal is in progress.

3.3 DETAIL EXECUTION

- A. Mechanical Equipment and Fixtures: Disconnect mechanical hardware at the nearest connection to existing services to remain, unless otherwise noted. Mechanical equipment and fixtures must be disconnected at fittings. Remove service valves attached to the unit.
- B. Piping: Disconnect piping at unions, flanges and valves, and fittings as required to reduce the pipe into straight lengths for practical storage. If the piping that remains can become pressurized due to upstream valve failure, end caps, blind flanges, or other types of plugs or fittings with a pressure gage and bleed valve shall be attached to the open end of the pipe to ensure positive leak control. Remove prefabricated supports, hangers, plates, valves, and specialty items.
- C. Fixtures, Motors and Machines: Remove and dispose fixtures, motors and machines associated with plumbing, heating, air conditioning, refrigeration, and other mechanical system installations as indicated on Drawings.
- D. Maintain access to existing mechanical installations which remain active. Modify installation or provide access as appropriate.
- E. If unanticipated mechanical, electrical or structural elements which conflict with intended function or design are 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 Authorized Representative, rearrange selective demolition schedule as necessary to continue overall job progress without delay.

END OF SECTION