

DIVISION 01 GENERAL REQUIREMENTS

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Unless stated otherwise, the standards in this Facilities Design Manual (FDM) are directed to the Design Professional to incorporate into the Project.

*Changes to this Section since the last issuance are indicated with **yellow highlighted text**.*

Links to Support Documents, external webpages and other FDM sections are shown in underlined text.

01 00 00 GENERAL REQUIREMENTS

A. GENERAL

1. Develop a complete Division 01 specification for the Project.
 - a. Coordinate content with the Owner's Division 00 Document.
 - 1) For projects located at Iowa State University in Ames, Iowa, requirements normally specified in Division 01 are addressed primarily in the Owner's Supplementary Conditions found in the [sample Division 00 Document](#).
 - 2) Specify requirements specific to the Project.
 - 3) Specify process required by the organization of the Design Professional.
 - 4) Where included in the Project, specify Leadership in Energy and Environmental Design (LEED) requirements.
 - 5) Where included in the Project, specify commissioning requirements.
 - b. Verify total Division 01 content with the Owner's Representative.

01 14 00 WORK RESTRICTIONS

A. ACCESS TO SITE

1. To prevent tracking construction dirt into occupied areas, specify the Contractor's personnel not to enter or use adjacent facilities or areas in use by the Owner.
 - a. Where construction dirt is tracked into occupied areas, specify the Owner will clean the area and back-charge the Contractor.
2. For remodeling projects, specify the Contractor's personnel are restricted from areas remaining in use by the Owner.

B. COORDINATION WITH OCCUPANTS

1. Where a remodeling is adjacent to occupied area, specify the Contractor to do the following actions.
 - a. Furnish the Owner's Representative with notice of relocation to a new area of work at least 2 weeks in advance.
 - b. Maintain exits and passageways in a continually usable condition and inform the Owner's Representative of potential conflict.

01 33 00 SUBMITTAL PROCEDURES

A. SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

1. In addition to requirements described under Article 4 of the Supplementary Conditions, verify current requirements with the Owner's Representative and specify accordingly.

01 43 00 QUALITY ASSURANCE

A. MOCKUPS

1. Specify the Contractor build mockups of critical-to-quality areas of construction for Owner review and approval.
 - a. Specify the Contractor refine the mockups as required to achieve Owner approval.
2. Specify the Contractor to build the remaining Work equal to the quality of the Owner-approved mockups.

01 51 00 TEMPORARY UTILITIES

A. TEMPORARY ELECTRICITY

1. Specify the Owner will provide one-3-phase, 4-wire service no larger than 100 kilovolt-amperes (KVA) at a location designated by the Owner within the site limits.
 - a. Specify 208 volt or 460 volt service as verified by the Owner's Representative.
2. Specify the Contractor furnish and install a fused disconnect sized for the 100 KVA load at the service point for the Owner's cable terminations.
3. Specify the Contractor furnish and install all required equipment on the load side of the fused disconnect while maintaining balanced loading.
4. Specify the Contractor will pay the cost of construction power at additional service points or in excess of 100 KVA.
5. Specify the Contractor provide reasonable protection to large equipment normally installed outside.

B. TEMPORARY HEATING, COOLING AND VENTILATING

1. Specify the Owner will furnish temporary chilled water and steam or gas as needed by the Project within the site limits at no cost to the Contractor only after the building is fully enclosed, insulated and sealed to the satisfaction of the Owner's Representative.
2. Specify the Contractor furnish and install approved exchange equipment and distribution lines within the construction area.
3. For guidelines on specifying requirements for using the Owner's utility resources for temporary heat and the conservation of energy, see FDM Part 2/Support for Div 01/[Guidelines For The Use of Permanent Systems For Temporary Heat.pdf](#).

C. TEMPORARY TELECOMMUNICATIONS

1. Specify the Contractor arrange for needed services directly with Information Technology Services (515-294-8565).

D. TEMPORARY WATER

1. Specify water will be furnished by the Owner within the site limits at no cost to the Contractor.
2. Specify the Contractor to furnish and install an approved backflow prevention device at all construction site water connections.

01 52 00 CONSTRUCTION FACILITIES

A. FIELD OFFICES AND SHEDS

1. Specify the Contractor provide and maintain a temporary, watertight office building not less than 10 feet by 10 feet with the minimum following features.
 - a. Drawing and submittal storage
 - b. Sloped surface to view drawings
 - c. Glazed operable window with screens
 - d. Glazed and screened door with cylinder lock and latch
 - e. Electrical power for lighting and 2 receptacles
 - f. Automatic heating equipment to maintain 70 degree air temperature
2. For projects of \$250,000 or more, specify the Contractor to provide a separate office for the Owner's Construction Manager and Project Documents.
3. For renovation projects, specify office space located within an existing building if approved by the Owner's Representative.

B. SANITARY FACILITIES

1. Specify the Contractor to furnish portable toilet facilities for use by Contractor personnel.
 - a. Specify Contractor personnel to not use the Owner's toilet facilities.

01 56 00 TEMPORARY BARRIERS AND ENCLOSURES

A. TEMPORARY AIR BARRIERS

1. Specify the Contractor to furnish and install temporary enclosures as required to protect the Work, materials and equipment against damage from wind, moisture and temperature extremes.

B. TEMPORARY FENCING

1. For guidelines on specifying site fencing standards, see FDM Part 2/Support Docs for Div 01/[Site Fencing Standards.pdf](#).

01 64 00 OWNER-FURNISHED PRODUCTS

A. EQUIPMENT

1. For information on equipment furnished by the Owner, see FDM Part 2/Support Docs for Div 01/[Owner Furnished Equipment.pdf](#).

01 73 00 PROJECT EXECUTION

A. APPLICATION

1. Where new construction joins existing construction, specify new construction is installed with minimal damage to existing surfaces wherever possible.

01 74 00 CLEANING AND WASTE MANAGEMENT

A. FINAL CLEANING

1. In addition to requirements described under sub-article 8.5 of the Supplementary Conditions, include references to required final cleaning specified in separate divisions.

01 78 00 CLOSEOUT SUBMITTALS

A. OPERATION AND MAINTENANCE DATA

1. In addition to requirements described under sub-article 8.3 of the Supplementary Conditions, include references to required operation and maintenance manuals specified in separate divisions.

B. PROJECT RECORD DOCUMENTS

1. In addition to requirements described under sub-article 8.2 of the Supplementary Conditions, verify current requirements with the Owner's Representative and specify accordingly.

01 79 00 DEMONSTRATION AND TRAINING

A. GENERAL

1. In addition to requirements described under sub-article 8.4 of the Supplementary Conditions, include references to required demonstration and training specified in separate divisions.

END OF DIVISION 01 GENERAL REQUIREMENTS