

SECTION 013100
SEQUENCE OF CONSTRUCTION AND MILESTONES

Part 1 GENERAL

1.1 STIPULATIONS

- A. The specifications sections "General Conditions of Contract" and "General Requirements" form a part of this Section by this reference thereto and shall have the same force and effect as if printed herewith in full.

1.2 GENERAL REQUIREMENTS

- A. Before beginning work, the Contractor will be required to prepare a schedule in consultation with the Department. The work must be carried out in full accordance with the schedule. The Contractor shall arrange without any unnecessary interference with the Institution's operation.

1.3 CRITICAL MATERIALS AND EQUIPMENT

- A. The Contractor is cautioned that all necessary and required critical materials and equipment shall be ordered as quickly as possible, in order that the shipping will not delay the progress of the work or completion of the project.

1.4 CRITICAL ITEMS TO BE NOTED AS MILESTONES

- A. Refer to the General Conditions regarding construction progress Milestones to be established by the Lead Contractor.
- B. The Lead Contractor shall submit a construction schedule, for the total project, including all prime contractors critical path work items. The schedule shall be submitted at the pre-construction meeting. The schedule will be reviewed and approved by the designer and the using agency to confirm compliance with construction sequencing and Using Agency training schedule.

1. GENERAL CONSTRUCTION (.1)

a. Construction Sequencing

- 1) Submittals
- 2) Mobilization
- 3) Site Clearing and E&S Measures
- 4) Excavation
- 5) Concrete - Sidewalk, Landings
- 6) Exterior Walls - Metal Studs, Sheathing
- 7) Exterior Walls - Insulation & Elast. Barrier
- 8) Roof – Sheathing
- 9) Roof - Metal Panels
- 10) Vinyl Soffit, Trim
- 11) Interior Walls - Metal Studs
- 12) Insulation - Interior and Roof
- 13) Interior Walls - Gypsum Board
- 14) Doors & Windows - Exterior (Incl. Hardware)
- 15) Doors - Interior (Incl. Hardware)
- 16) Painting - Interior & Exterior
- 17) Flooring - VCT & Wall Base

- 18) Cabinetry, T.R. Accessories, FE Cabinets
- 19) Final Grading, Seeding
- 20) Final Cleaning, Puch List Items, Close-Out Documents

2. HVAC (.2)

a. Construction Sequencing

- 1) Submittals
- 2) Mobilization
- 3) Concrete Pads
- 4) Metal Ductwork
- 5) Duct Insulation
- 6) Duct Accessories & VVT System
- 7) Diffusers and Grilles
- 8) Power Ventilators & Louver
- 9) Wall unit Heaters
- 10) Instrumentation and Controls
- 11) Air handlers & Condenser Units
- 12) Duct Furnace & Vents
- 13) Testing, Adjusting & Balancing
- 14) Interior Gas Lines & Valves
- 15) Exterior Gas Lines & Regulator
- 16) Excavation & Backfill for Gas Line

3. PLUMBING (.3)

a. Construction Sequencing

- 1) Submittals
- 2) Mobilization
- 3) Excavations & Installation of Sanitary Waste
- 4) Indoor Sanitary Waste and Vent Line Installation
- 5) Plumbing Fixtures Installation and Rough-Ins
- 6) Indoor Domestic Water Line installation and related Insulation
- 7) Installation of Tankless water heater and Venting
- 8) Excavation & Installation of Domestic Water Service
- 9) Testing and Adjusting
- 10) Final Cleaning, Puch List Items, Close-Out Documents

4. ELECTRICAL (.4)

a. Construction Sequencing

- 1) Submittals
- 2) Mobilization
- 3) Underground rough-ins to include trenching
- 4) Ground counterpoise, rods, and connections.
- 5) Concrete encasement
- 6) Trench backfill, tamping up to rough-grade.
- 7) Panel rough-ins
- 8) Branch circuit rough-ins
- 9) Telecom rough-Ins.
- 10) Fire Alarm system rough-ins.
- 11) Branch Circuit Wiring
- 12) Telecom wiring and testing
- 13) Installation of lighting and controls.
- 14) Installation of devices and outlets
- 15) Telecom cable, boxes and outlets

- 16) Telecom testing and reports.
- 17) Testing and Adjusting
- 18) Final Connections
- 19) Final Cleaning, Punchlist Items, and Close-Out Documentation.

END OF SECTION 013100