

SECTION 014339 - INTEGRATED EXTERIOR MOCKUPS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for constructing the Integrated Exterior Mockups.

- 1. Related Sections that will comprise required components within the Integrated Exterior Mockup include the following:

- a. Division 03 Section "Cast-In-Place Concrete" for formed concrete wall system.
- b. Division 04 Section "Unit Masonry" for cavity insulation, masonry veneer materials and systems.
- c. Division 05 Section "Cold-Formed Metal Framing" for wall framing.
- d. Division 05 Section "Metal Fabrications" for masonry lintels.
- e. Division 06 Section "Rough Carpentry" for wood blocking at windows.
- f. Division 06 Section "Sheathing" for exterior wall sheathing.
- g. Division 07 Section "Metal Wall Panels" for metal siding systems.
- h. Division 07 Section "Composite Wall Panels" for composite siding systems.
- i. Division 07 Section "Sheet Metal Flashing and Trim" for sheet metal flashing at window opening.
- j. Division 07 Section "Joint Sealants" for sealing control and expansion joints in unit masonry.

- B. Related Sections include the following:

- 1. Division 01 Section "Quality Requirements" for administrative and procedural requirements for quality assurance and quality control.

1.3 DEFINITIONS

- A. Mockups: Full size physical assemblies that are constructed on-site. Mockups are constructed to verify selections made under sample submittals; to demonstrate aesthetic effects and, where indicated, qualities of materials and execution; to review coordination, testing, or operation; to show interface between dissimilar materials; and to demonstrate compliance with specified installation tolerances. Mockups are not Samples. Unless otherwise indicated, approved mockups establish the standard by which the Work will be judged.

## PEARL PLACE 2

1. Integrated Exterior Mockups: Mockups of the exterior envelope erected separately from the building but on the project site, consisting of multiple products, assemblies and subassemblies.
- B. Installer/Applicator/Erector: Contractor or another entity engaged by Contractor as an employee, Subcontractor, or Sub-subcontractor, to perform a particular construction operation, including installation, erection, application, and similar operations.
  1. Using a term such as "carpentry" does not imply that certain construction activities must be performed by accredited or unionized individuals of a corresponding generic name, such as "carpenter." It also does not imply that requirements specified apply exclusively to tradespeople of the corresponding generic name.
- C. Experienced: When used with an entity, "experienced" means having successfully completed a minimum of five previous projects similar in size and scope to this Project; being familiar with special requirements indicated; and having complied with requirements of authorities having jurisdiction.

### 1.4 QUALITY ASSURANCE

- A. Integrated Exterior Mockups: Before installing portions of the Work requiring mockups, construct integrated exterior mockup as indicated on Drawing attached to this section. Coordinate installation of exterior envelope materials and products for which mockups are required in individual specification sections, along with supporting materials, using materials indicated for the completed Work:
  1. Build mockups in location and of size indicated or, if not indicated, as directed by Architect.
  2. Employ supervisory personnel who will oversee mockup construction. Employ workers that will be employed during the construction at the Project.
  3. Demonstrate the proposed range of aesthetic effects and workmanship.
  4. Obtain Architect's approval of mockups before starting work, fabrication, or construction.
  5. Unless otherwise indicated, approved mockups establish the standard by which the Work will be judged. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless such deviations are specifically approved by Architect in writing.
  6. Demolish and remove mockups when directed, unless otherwise indicated.

## PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. Refer to individual specification sections for products and materials required for mockup.

## PEARL PLACE 2

### 2.2 MOCKUP SYSTEMS

- A. Foundation Wall System: Provide formed concrete wall system, 8 inches high to conform with proper depth for selected wall systems. Provide brick shelves if appropriate for system.
- B. Backup Wall System: Provide exterior cold-formed metal stud framing and sheathing. Include necessary wood blocking for window system. Interior finish is not required.
- C. Air Barrier System: Provide air barrier system with associated primers, sealers and membrane strip flashings. Include metal window flashing.
- D. Windows: Provide window types and sizes as indicated on the mockup sketch. Interior perimeter insulation and finishes will not be required.
- E. Masonry Veneer System: Provide masonry system complete with cavity insulation, masonry flashings and weeps, precast sill, control joint and sealant. Clean masonry when complete. Install perimeter sealant at window.
- F. Metal Wall Panel System: Provide metal wall panel system complete with insulation, furring, perimeter flashings and sealant.

## PART 3 - EXECUTION

### 3.1 MOCKUP REVIEW

- A. Notify Architect seven days in advance of dates and times when mockups will be constructed and ready for review.
  - 1. Notify Architect when backup wall system, air barrier system and window has been installed and ready for review.
    - a. Allow seven days for initial review and each re-review of each mockup.
  - 2. Notify Architect when masonry veneer and siding systems has been installed and ready for review.
    - a. Allow seven days for initial review and each re-review of each mockup.

### 3.2 PROTECTION

- A. Protect mockup assemblies for quality-control service activities.
- B. Maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.

END OF SECTION 014000