

# **ADDENDUM NO. D**

**February 28, 2020**

BIDDING AND CONTRACT DOCUMENTS

FOR

SCHOOL OF MEDICINE CLINICAL SKILLS AND SIMULATION SUITE

PROJECT NO. 954044



**Addendum No. D, February 28, 2020**

The following changes, additions, or deletions shall be made to the following documents as indicated for this Project; and all other terms and conditions shall remain the same. Each bidder is responsible for transmitting this information to all affected subcontractors and suppliers before the Bid Deadline.

1. Pre-Qualification Questionnaire

**Replace** the Pre-Qualification Questionnaire with the one issued in this Addendum D.

- a. **If your company has submitted a previous Pre-Qualification Questionnaire, please resubmit you Pre-Qualification Questionnaire with the one with this Addendum D.**

2. Specification 10 2226

Replace Specification section 10 2226 with the one issued in this Addendum D.

- a. The Operable Partition Specification has added “or equal” to the required manufacturers.



**PREQUALIFICATION QUESTIONNAIRE**  
For

**UCR School of Medicine Clinical Skills and Simulation Suite**  
**UCR Project No. 954044**

**SUBMITTED BY:**

**<please enter your KK name here>**

**UNIVERSITY OF CALIFORNIA, RIVERSIDE  
PLANNING, DESIGN AND CONSTRUCTION  
1223 UNIVERSITY AVENUE, SUITE 240  
RIVERSIDE, CA 92507**

<b>PREQUAL ISSUE DATE</b>	<b>2/10/2020</b>
<b>PREQUAL MANDATORY MEETING</b>	<b>2/25/2020 &amp; 3/5/2020</b>
<b>KITCHELL PREQUALIFICATION DUE IN TRADE TAPP</b> (request via email <a href="mailto:prequalification@kitchell.com">prequalification@kitchell.com</a> )	<b><del>2/28/2020</del> <u>3/9/2020 3:00PM</u></b>
<b>UCR PREQUAL SUBMITTALS DUE IN BUILDING CONNECTED OR TO UCR AT ADDRESS LISTED ON ADVERTISEMENT</b>	<b><del>2/28/2020</del> <u>3/9/2020 3:00 PM</u></b>

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**PREQUALIFICATION QUESTIONNAIRE**  
**For**  
**CLINICAL SKILLS AND SIMULATION SUITE**

*(Where a time period is given, such as the last ten [10] years, the period is to be measured backwards from the date this prequalification questionnaire is required to be submitted to the University of California Riverside.)*

Note: Submission of an incomplete and/or unclear Prequalification Questionnaire may result in the determination of the prospective Subcontractor as **NON-PREQUALIFIED**.

**SUBMITTED BY:**

\_\_\_\_\_ (Name and Title) **Printed or Typed**

\_\_\_\_\_ (Signature)

\_\_\_\_\_ (Firm Name)

\_\_\_\_\_ (Contact Name for all notices and correspondence)

\_\_\_\_\_ (Address)

\_\_\_\_\_ (City, State, Zip Code)

\_\_\_\_\_ (Telephone Number)

\_\_\_\_\_ (Facsimile Number)

\_\_\_\_\_ (E-mail Address)

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Each prospective Subcontractor must have the appropriate California license classification and code for their portion of work. The license must be current, active and in good standing with the California Contractor's State License Board on the date and time the Prequalification Questionnaire submittal is due. This Prequalification Questionnaire with all portions completed, including required attachments must be submitted.

Each prospective Subcontractor must answer all of the following questions and provide all requested information, where applicable. Any prospective Subcontractor failing to do so may be deemed non-responsive and not responsible with respect to this Prequalification at the sole discretion of the University. **Each prospective Subcontractor must submit a complete submittal of the questionnaire and all related documentation electronically via the Bid Forms in BuildingConnected. The questions in this questionnaire have been uploaded into the BuildingConnected bid forms tab.** To receive an invitation to the Clinical Skills and Simulation Suite Project BuildingConnected site, email David Collinsworth at [dcollinsworth@kitchell.com](mailto:dcollinsworth@kitchell.com). All Subcontractors that have submitted a Prequalification Questionnaire will be notified in writing of either successfully or not successfully achieving prequalification status. The decision of the University is final and is not appealable within the University of California system.

All information submitted for Prequalification evaluation will be considered official information acquired in confidence, and the University will maintain its confidentiality to the extent permitted by law.

It is critical that the prospective Subcontractor complete all information required herein accurately, completely, truthfully and to the best of their knowledge. Ambiguous or incomplete information may lead to loss of points in said section, and subsequent status as non-prequalified.

**Note: The language and requirements contained within in this questionnaire mirror those of TradTapp. It will be a requirement for this project that this questionnaire and the forms within TradeTapp be filled out in their entirety to be considered responsive. To obtain access to the TradeTapp prequalification please email [prequalification@kitchell.com](mailto:prequalification@kitchell.com).**

**WHERE NECESSARY, COPY THE FORMS IN THIS PACKAGE. USE ONLY THESE FORMS.**

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**PREQUALIFICATION DECLARATION**

I, \_\_\_\_\_, hereby declare that I am the  
(Printed Name)

\_\_\_\_\_ of \_\_\_\_\_  
(Title) (Name of Firm)

submitting this Prequalification Questionnaire; that I am duly authorized to sign this Prequalification Questionnaire on behalf of the above-named firm; and that all information set forth in this Prequalification Questionnaire and all attachments hereto are, to the best of my knowledge, true, accurate and complete as of its submission date.

The undersigned declares under penalty of perjury that all of the prequalification information submitted with this form is true and correct and that this declaration was executed in

\_\_\_\_\_ (County), \_\_\_\_\_, (State)

on \_\_\_\_\_ (Date).

\_\_\_\_\_  
(Signature)

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**Total Points Available – ~~600~~ 625 Maximum (400 Required to Prequalify)**

**I. LICENSE AND REGISTRATION**

(Yes Response Mandatory)

A. Does your firm hold a California contractor's license, which is current, valid, and in good standing with the California Contractor's State License Board?

YES  NO

(Yes Response Mandatory)

B. Has your firm been in business for at least (3) years?

YES  NO

(Complete in Full Mandatory)

C. Provide the following information about your firm contractor's license:

1. Name of license holder exactly as on file with the California Contractor's State License Board:

\_\_\_\_\_

2. License Classification: \_\_\_\_\_

3. License Number: \_\_\_\_\_

4. Date Issued: \_\_\_\_\_

5. Expiration Date: \_\_\_\_\_

(YES = 25 Points)

D. Is your firm currently registered with the California Department of Industrial Relations pursuant to California Labor Code Section 1725.5 and 1771.1?

YES  NO

If Yes, provide Public Works Contractor Registration Number: \_\_\_\_\_

If currently not registered, it will be required that Contractor and all Subcontractors, regardless of tier be registered at time of bid. If not registered at of time bid your bid will be considered unresponsive.

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(NO = 25 Points)

E. Has your firm's contractor's license been suspended or revoked by the California Contractor's State License Board within the last five (5) years?

YES

NO

(NO = 25 Points)

F. Has a complaint ever been filed with the Contractor's State License Board against your company that required a formal hearing or inquiry?

YES

NO

## II. SURETY

Prospective Subcontractor desiring to be prequalified is informed that they may be subject to and must fully comply with all bid conditions including 100% payment and 100% performance bonds.

Prospective Subcontractor shall complete the following information.

(Yes Response Mandatory)

A. Is the surety to be used listed in the latest published State of California Department of Insurance list of Insurance Organizations Authorized by the Insurance Commissioner to *Transact Business of Insurance in the State of California*?

YES

NO

(Yes Response Mandatory)

B. Can you provide a current bond letter from trade partner's surety company or at a minimum an explanation as to why partner cannot produce said letter.

YES

NO

(YES = 50 Points)

C. Is the prospective Subcontractor able to obtain bonding up to and including the cost for this construction contract estimated below, or half of it if quantity of awards is multiple, of which no more than 50% is currently committed to other projects?

YES

NO

(3 years or more = 25 points)

D. How long has the Prospective Subcontractor been with this surety? \_\_\_\_\_ Year



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### III. INSURER

Prospective Subcontractor desiring to be prequalified are informed that they may be subject to and must fully comply with all bid conditions including the following insurance coverage and associated limits.

(YES = 25 Points)

- A. Is the insurer to be used listed with a minimum rating of A.M. Best as A+ or better and a financial classification of XII or better (or an equivalent rating by Standard & Poor's or Moody's)?

YES  NO

Indicate Best Rating: \_\_\_\_\_

Indicate Best Financial Classification: \_\_\_\_\_

(Yes Response Mandatory)

- B. Is the prospective Subcontractor able to obtain CORE insurance in accordance with the attached Exhibit F.2 dated 4/21/18.

YES  NO

(3 years or more = 25 points)

- C. How long has the Prospective Subcontractor been with this insurer? \_\_\_\_\_ Years

### IV. BUSINESS CONSTRUCTION REVENUE

For the purposes of this prequalification questionnaire, "business construction revenue" shall be defined as payments to prospective subcontractor for construction services as a Subcontractor.

(1 Year Mandatory, 3 years = 25 points, 5 years 50 points)

- A. Can you provide reviewed or audited financial statements for at least (1) year or up to the last three (3) or five (5) years?

YES  NO

If answer is "YES," for what duration, and what type of statements will you provide? \_\_\_\_\_

**DO NOT INCLUDE FINANCIAL STATEMENTS WITH THIS PREQUALIFICATION QUESTIONNAIRE. STATEMENTS WILL BE COLLECTED VIA TRADETAPP.**

**(Yearly revenue at or above 4x the estimated scope value = 50 points)**

B. List average yearly volume of work for each of the past **5** years (revenue and amount of reinvestment income).

<u>YEAR</u>	<u>REVENUE/VOLUME</u>	<u>REINVESTED INCOME</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

(NO = 25 Points)

C. Has your firm filed a claim against any entity within the University of California system?

YES

NO

**V. PROJECT HISTORY**

(Complete In Full = 25 Points)

A. Provide a listing of your (5) most current projects either in construction or completed within the last five (5) years. List only projects completed under the license number of the entity submitting this prequalification. For each project listed, provide construction cost, contract time and a brief description of the project.

Location	Construction Cost	Contract Time	Name and brief project description

(Complete In Full = 25 Points)

B. Provide at Least 3 favorable references from previous jobs.

CLIENT & JOB

NAME & EMAIL

_____	_____
_____	_____
_____	_____
_____	_____

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**VI. SAFETY PROGRAM**

(YES = 25 Points)

- A. Does your firm have a written Injury and Illness Prevention Program (IIPP) that complies with California Code of Regulations, Title 8, Sections 1509 and 3203? There is no need to attach your IIPP.

YES  NO

Brief Description: \_\_\_\_\_

(YES = 25 Points)

- B. Does your firm have a written safety program that meets CAL/OSHA requirements? There is no need to attach your written safety program.

YES  NO

(YES = 25 Points)

- C. Will your firm have personnel permanently assigned and dedicated to Safety on this project?

YES  NO

If “Yes,” state the names of all such personnel who will be assigned and individually list their specific duties and qualifications/certifications:

<u>Name, Title, Qualifications</u>	<u>Specific Duties</u>
_____	_____
_____	_____
_____	_____
_____	_____

Attach resumes (include certification and safety related training received.)

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(NO = 50 Points)

- E. Have you had accidents, which resulted in a construction fatality on any of your projects over the last **2** years?

YES  NO

If the answer is "Yes," please explain.

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(Yes Response Mandatory)

- F. Can your firm provide either a broker's letter or NCCI reports confirming EMR rating for the past (3) year?

YES  NO

(YES = 50 Points)

- G. Is your firm's current Workers Compensation Experience Modification Rate (EMR) equal to 1.15 or less?

YES  NO

Provide your California Workers Compensation Modifier for each of the last three (3) years.

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(NO = 25 Points)

- H. Has your firm been cited by OSHA in the past **5** years?

YES  NO

If the answer is "Yes," please explain.

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(Complete in Full Mandatory)

- I. Please provide your firm's OSHA 300 and OSHA 300A logs the past three (3) years below:

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**VIII. QUALITY CONTROL/QUALITY ASSURANCE PROGRAM (QC/QA)**

(YES = 25 points)

A. Does your firm have a written quality control/quality assurance program?

YES

NO

(YES = 25 points)

B. Will your firm have a key individual permanently assigned and dedicated to QC/QA on this project?

YES

NO

If “Yes,” state the names of all key individuals who will be assigned and individually list their specific duties:

**Name, Title**

**Specific Duties**

<b><u>Name, Title</u></b>	<b><u>Specific Duties</u></b>
_____	_____
_____	_____
_____	_____

Provide brief description of your Quality Control/Quality Assurance Program:

\_\_\_\_\_  
\_\_\_\_\_

Describe how your Program will be applied to this project:

\_\_\_\_\_  
\_\_\_\_\_

SECTION 10 2226

OPERABLE PARTITIONS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
  - 1. Manually operated acoustical panel partitions in conference rooms and simulation room.
  - 2. Motorized acoustical panel partitions in large classroom.
- B. Related Sections:
  - 1. Division 05 Section "Metal Fabrications" for supports that attach supporting tracks to overhead structural system.
  - 2. Division 08 Section "Door Hardware" for hardware to the extent not specified in this Section.
  - 3. Division 09 Section "Gypsum Board" for fire-rated assemblies and sound barrier construction above the ceiling at track.

1.2 DEFINITIONS

- A. ADA-ABA Accessibility Guidelines: U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA) and Architectural Barriers Act (ABA) Accessibility Guidelines for Buildings and Facilities."
- B. NRC: Noise Reduction Coefficient.
- C. STC: Sound Transmission Class.

1.3 PERFORMANCE REQUIREMENTS

- A. Acoustical Performance: Provide operable panel partitions tested by a qualified testing agency for the following acoustical properties according to test methods indicated:
  - 1. Sound-Transmission Requirements: Operable panel partition assembly tested for laboratory sound-transmission loss performance according to ASTM E 90, determined by ASTM E 413, and rated for not less than the STC indicated.
    - a. Laboratory rating: STC 50.
  - 2. Operable wall partitions to meet the following minimum octave band sound transmission loss values, as tested in an independent acoustical laboratory in accordance with ASTM E90 test procedure.

Octave Band Center Frequency (Hz)	63	125	250	500	1k	2k	4k
Minimum Transmission Loss (dB)	NA	30	41	49	54	43	48

#### 1.4 SUBMITTALS

- A. Product Data: For each type of product indicated. Provide material descriptions, construction details, finishes, installation details, and operating instructions for each type of operable partition, component, and accessory specified.
- B. Shop Drawings: Show location and extent of operable partitions. Include plans, elevations, sections, details, attachments to other construction, and accessories. Indicate dimensions, weights, conditions at openings, and at storage areas, and required installation, storage, and operating clearances. Indicate location and installation requirements for hardware and track, including floor tolerances required and direction of travel. Indicate blocking to be provided by others.
- C. Samples for Initial Selection: For each type of exposed material, finish, covering, or facing indicated.
  - 1. Include similar Samples of accessories involving color selection.
- D. Samples for Verification: For each type of exposed material, finish, covering, or facing indicated, prepared on Samples of size indicated below:
  - 1. Textile: Full width by not less than 36-inch-long section of fabric from dye lot to be used for the Work, with specified treatments applied. Show complete pattern repeat.
  - 2. Panel Facing Material: Manufacturer's standard-size unit, not less than 3 inches square.
  - 3. Panel Edge Material: Not less than 3 inches long.
  - 4. Chair Rail: Manufacturer's standard-size unit, 6 inches long.
  - 5. Glass: Units 12 inches square.
  - 6. Hardware: Manufacturer's standard exposed door-operating device.
- E. Coordination Drawings: Reflected ceiling plans, drawn to scale, on which the following items are shown and coordinated with each other, based on input from installers of the items involved:
  - 1. Suspended ceiling components.
  - 2. Structural members to which suspension systems will be attached.
  - 3. Size and location of initial access modules for acoustical tile.
  - 4. Items penetrating finished ceiling, including the following:
    - a. Lighting fixtures.
    - b. HVAC ductwork, outlets, and inlets.
    - c. Speakers.
    - d. Sprinklers.
    - e. Smoke detectors.
    - f. Access panels.
- F. Acoustical Test Reports:
  - 1. Acoustical tests shall be performed in accordance with the latest version of ASTM Standard E-90.
  - 2. Sound Transmission Class ratings (STC) shall be determined according to the latest version of ASTM E 413.
  - 3. Test shall be conducted in a certified acoustical testing laboratory, acceptable to the Owner's Representative.
  - 4. Acoustical reports shall be prepared by an engineer/technician qualified in the work of this nature. The reports shall include the laboratory name, date of test, test report number, STC rating, and sound transmission loss (dB) values in octave band frequencies from 125 to 4000 Hz.

**Addendum D 2/28/2020**

- G. Setting Drawings: For embedded items and cutouts required in other work.
  - H. Qualification Data: For qualified Installer.
  - I. Product Certificates: For each type of operable panel partition, from manufacturer.
  - J. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each operable panel partition.
  - K. Statement verifying that all Quality Assurance requirements can and shall be met by the manufacturer.
  - L. Warranty: Sample of special warranty.
  - M. Operation and Maintenance Data: For operable panel partitions to include in maintenance manuals. In addition to items specified in Division 01 Section "Operation and Maintenance Data," include the following:
    - 1. Panel finish facings and finishes for exposed trim and accessories. Include precautions for cleaning materials and methods that could be detrimental to finishes and performance.
    - 2. Seals, hardware, track, carriers, and other operating components.
- 1.5 QUALITY ASSURANCE
- A. Installer Qualifications: An employer of workers trained and approved by manufacturer.
  - B. Pre-installation Conference: Conduct conference at Project site.
- 1.6 DELIVERY, STORAGE, AND HANDLING
- A. Protectively package and sequence panels in order for installation. Clearly mark packages and panels with numbering system used on Shop Drawings. Do not use permanent markings on panels.
- 1.7 PROJECT CONDITIONS
- A. Field Measurements: Verify actual dimensions of operable panel partition openings by field measurements before fabrication.
- 1.8 WARRANTY
- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of operable panel partitions that fail in materials or workmanship within specified warranty period.
    - 1. Failures include, but are not limited to, the following:
      - a. Faulty operation of operable panel partitions.
      - b. Deterioration of metals, metal finishes, and other materials beyond normal wear.
    - 2. Warranty Period: Two years from date of Substantial Completion.



## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: As determined by testing identical partition facing materials applied with identical adhesive to substrates according to test method indicated below by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
  - 1. Surface-Burning Characteristics: Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
    - a. Flame-Spread Index: 25 or less.
    - b. Smoke-Developed Index: 450 or less.

### 2.2 OPERABLE ACOUSTICAL PANELS

- A. Operable Acoustical Panels: Operable acoustical panel partition system, including panels, seals, finish facing, suspension system, operators, and accessories.
  - 1. Manufacturers:
    - a. Modernfold, Inc.; a DORMA Group Company.
    - b. or as approved equal.**
- B. Panel Operation: Motorized, automatically operated, continuously hinged panels.
- C. Panel Construction: Provide top reinforcement as required to support panel from suspension components and provide reinforcement for hardware attachment. Fabricate panels with tight hairline joints and concealed fasteners. Fabricate panels so finished in-place partition is rigid; level; plumb; aligned, with tight joints and uniform appearance; and free of bow, warp, twist, deformation, and surface and finish irregularities.
- D. Dimensions: Fabricate operable acoustical panel partitions to form an assembled system of dimensions indicated and verified by field measurements.
  - 1. Panel Width: As indicated on Drawings.
- E. STC: Not less than 50.
- F. Panel Thickness: Not less than 3 inches.
- G. Panel Materials:
  - 1. Steel Frame: Steel sheet, 0.0508-inch nominal minimum thickness for uncoated steel.
  - 2. Steel Face / Liner sheets: Tension-leveled steel sheet, manufacturer's standard minimum nominal thickness for uncoated steel.
- H. Panel Closure: Manufacturer's standard.
- I. Hardware: Manufacturer's standard as required to operate operable panel partition and accessories; with decorative, protective finish.
  - 1. Hinges: Manufacturer's standard.

## 2.3 SEALS

- A. General: Provide types of seals indicated that produce operable panel partitions complying with acoustical performance requirements and the following:
  - 1. Manufacturer's standard seals.
  - 2. Seals made from materials and in profiles that minimize sound leakage.
  - 3. Seals fitting tight at contact surfaces and sealing continuously between adjacent panels and between operable panel partition perimeter and adjacent surfaces, when operable panel partition is extended and closed.
- B. Horizontal Top Seals:
  - 1. PVC-faced, mechanical, retractable, constant-force-contact seal exerting uniform constant pressure on track when extended.
- C. Horizontal Bottom Seals: PVC-faced, mechanical, retractable, constant-force-contact seal exerting uniform constant pressure on floor when extended, ensuring horizontal and vertical sealing and resisting panel movement.
  - 1. Mechanically Operated for Acoustical Panels: Extension and retraction of bottom seal by operating handle or built-in operating mechanism, with operating range not less than 2 inches between retracted seal and floor finish.
- D. Jambs between panels shall be profiled and fully sealed when wall is in place.
- E. System shall include fixed and operable closure jambs sealed to the endways to maintain acoustic performance.

## 2.4 PANEL FINISH FACINGS

- A. General: Provide finish facings for panels that comply with indicated fire-test-response characteristics and that are factory applied to operable panel partitions with appropriate backing, using mildew-resistant nonstaining adhesive as recommended by facing manufacturer's written instructions.
  - 1. Apply facings free of air bubbles, wrinkles, blisters, and other defects, with no gaps or overlaps. Tightly secure and conceal raw and selvage edges of facing for finished appearance.
  - 2. Where facings with directional or repeating patterns or directional weave are indicated, mark facing top and attach facing in same direction.
  - 3. Match facing pattern 72 inches above finished floor.
- B. Fabric Facing:
  - 1. Manufacturers:
    - a. Knoll Textiles; Acme.
    - b. Carnegie; Xorel.
  - 2. Style and Color: As indicated on Finish Legend.
- C. Paint: Manufacturer's standard factory-painted finish.
  - 1. Color: As selected by Architect from manufacturer's full range.
- D. Trimless Edges: Fabricate exposed panel edges so finish facing wraps uninterrupted around panel, covering edge and resulting in an installed partition with facing visible on vertical panel edges, without trim, for minimal sightlines at panel-to-panel joints.

## 2.5 SUSPENSION SYSTEMS

- A. Suspension Tracks: Steel or aluminum designed for type of operation, size, and weight of operable panel partition indicated. Size track to support partition operation and storage without damage to suspension system, operable panel partitions, or adjacent construction. Limit track deflection to no more than 0.10 inch between bracket supports. Provide a continuous system of track sections and accessories to accommodate configuration and layout indicated for partition operation and storage.
  - 1. Panel Guide: Aluminum; finished with factory-applied, decorative, protective finish.
  - 2. Head Closure Trim: As required for acoustical performance; with factory-applied, decorative, protective finish.
- B. Carriers: Trolley system as required for configuration type, size, and weight of partition and for easy operation; with ball-bearing wheels.
  - 1. Multidirectional Carriers: Capable of negotiating 90-degree L, T, and X intersections without track switches.
- C. Aluminum Finish: Mill finish or manufacturer's standard, factory-applied, decorative finish unless otherwise indicated.
- D. Steel Finish: Manufacturer's standard, factory-applied, corrosion-resistant, protective coating unless otherwise indicated.

## 2.6 ACCESSORIES

- A. Storage Pocket Door: Full height at end of partition runs to conceal stacked partition; of same materials, finish, construction, thickness, and acoustical qualities as panels; complete with operating hardware and acoustical seals at soffit, floor, and jambs. Hinges in finish to match other exposed hardware.
  - 1. Manufacturer's standard method to secure storage pocket door in closed position.
- B. Vertical Edge Trim: Manufacturer's standard transparent trim to protect vertical edges of glass in frameless panels.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine flooring, structural support, and opening, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of operable panel partitions.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

- A. General: Comply with ASTM E 557 except as otherwise required by operable panel partition manufacturer's written installation instructions.

- B. Install operable panel partitions and accessories after other finishing operations, including painting, have been completed.
- C. Install panels from marked packages in numbered sequence indicated on Shop Drawings.
- D. Broken, cracked, chipped, deformed, or unmatched panels are not acceptable.
- E. Broken, cracked, deformed, or unmatched gasketing or gasketing with gaps at butted ends is not acceptable.
- F. Light-Leakage Test: Illuminate one side of partition installation and observe vertical joints and top and bottom seals for voids. Adjust partitions for alignment and full closure of vertical joints and full closure along top and bottom seals.

3.3 ADJUSTING

- A. Adjust operable panel partitions to operate smoothly, without warping or binding. Lubricate hardware, electric operator, and other moving parts.
- B. Adjust storage pocket doors to operate smoothly and easily, without binding or warping. Check and readjust operating hardware. Confirm that latches and locks engage accurately and securely without forcing or binding.
- C. Verify that safety devices are properly functioning.

3.4 FIELD TESTING

- A. Secure the services of a qualified Independent Testing agency to test the installed operable partitions in accordance with ASTM E336. Test results shall be reported promptly and in writing by the testing agency to Owner, Contractor and Architect. In the event that the doors do not pass the acoustic test, minimum Field STC (FSTC) ratings as provided below, Contractor shall take any remedial action, approved by the Owner's Representative, as necessary to improve door acoustic rating to the specified acoustic performance.
  - 1. Sound Transmission Class ratings (FSTC) shall be determined according to the latest version of ASTM E 413.
  - 2. Test shall be conducted by engineers/technicians qualified in work of this nature.
  - 3. Acoustical reports shall be prepared by an engineer/technician qualified in the work of this nature. The reports shall include the engineer/technicians name, date of test, FSTC rating, and field sound transmission loss (dB) values in octave band frequencies from 125 to 4000 Hz.

Field Sound Transmission Class Rating						
	125	250	500	1000	2000	4000
FSTC45 (STC50)	25	36	44	49	38	43

3.5 CLEANING

- A. Clean soiled surfaces of operable panel partitions to remove dust, loose fibers, fingerprints, adhesives, and other foreign materials according to manufacturer's written instructions.

3.6 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain operable panel partitions.

END OF SECTION 10 2226