

PERALTA COMMUNITY COLLEGE DISTRICT MERRITT COLLEGE CHILD DEVELOPMENT CENTER

12500 CAMPUS DRIVE, OAKLAND, CA 94619

INCREMENT - 2
DSA APPLICATION NO. 01-119166 INC 02

ADDENDUM NO. 5
MAY 11, 2022



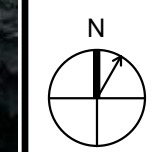
275 Battery Street, Suite 1050
San Francisco, California 94104
Ph: 415-233-9991
Fax: 415-651-8911
www.ae3partners.com

NO.	ISSUE/REVISION	YYYY-MM-DD
1	DSA SUBMITTAL	09-30-2020
2	DSA BACKCHECK	08-09-2021
3	DSA BACKCHECK	09-07-2021
4	ADDENDUM NO. 3	04-15-2022
5	ADDENDUM NO. 5	05-11-2022

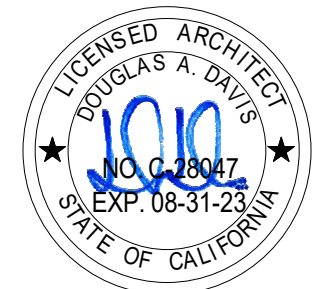


CHILD DEVELOPMENT CENTER

KEY PLAN



PROFESSIONAL SEAL



PROJECT
PERALTA COMMUNITY COLLEGE DISTRICT
MERRITT COLLEGE
CHILD DEVELOPMENT CENTER
INCREMENT 2

PROJECT ADDRESS
12500 CAMPUS DR
OAKLAND, CA 94619

SHEET TITLE
COVER SHEET

DRAWN BY	REVIEWED BY	SHEET NUMBER
JT	Approver	L/G-000
PROJECT NUMBER		L/G-000
2019025		
DATE		
09/07/2021		

© 2022 AE3 PARTNERS. All rights reserved. This drawing is the property of AE3 PARTNERS and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of AE3 PARTNERS.

**SECTION 10 2239
FOLDING PANEL PARTITIONS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Horizontal folding panel partitions.

1.02 REFERENCE STANDARDS

- A. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes 2021.
- B. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric) 2021.
- C. ASTM E557 - Standard Guide for Architectural Design and Installation Practices for Sound Isolation between Spaces Separated by Operable Partitions 2012 (Reapproved 2020).
- D. ASTM F793/F793M - Standard Classification of Wall Coverings by Use Characteristics 2020.

1.03 SUBMITTALS

- A. Action Submittals:
 - 1. Product Data: Provide data on partition materials, operation, hardware and accessories, electric operating components, track switching components, and colors and finishes available.
 - 2. Shop Drawings: Indicate opening sizes, track layout, details of track and required supports, static and dynamic loads, location and details of pass door and frame, adjacent construction and finish trim, stacking depth, and diagrams for power, signal, and control wiring.
 - 3. Samples for Selection: Submit three samples of full manufacturer's color range for selection of colors.
 - 4. Samples for Review: Submit six samples of surface finish, 12 by 12 inches (300 by 300 mm) size, illustrating quality, colors selected, texture, and weight.
- B. Informational Submittals:
 - 1. Certificates: Certify that partition system meets or exceeds specified acoustic requirements.
 - 2. Manufacturer's Instructions: Indicate special procedures.
 - 3. Maintenance Data: Include recommended cleaning methods, cleaning materials, and stain removal methods. Describe cleaning materials detrimental to finish surfaces and hardware finish.

1.04 SUSTAINABILITY SUBMITTALS

- A. LEED Submittals: Provide special submittals conforming to Section 018113 Sustainable Design Requirements.
- B. CAL-Green documentation and verification data as specified in Section 018114 Sustainable Design Requirements - CAL-Green, for the following measures:
 - 1. 4.504.2.1 and 5.504.4.1 Adhesives and sealants.
 - 2. 4.504.2.2 and 5.504.4.3 Paints and coatings.
 - 3. 4.504.2.3 and 5.504.4.3.1 Aerosol paints and coatings.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified this Section with minimum three years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of this Section with minimum five years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until installation.

1.07 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within five year period after Date of Substantial Completion.
- C. Provide two year manufacturer warranty against defects in material and workmanship, excluding abuse.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Protectively package and sequence panels in order for installation. Clearly mark packages and panels with numbering system used in shop drawings. Do not use permanent markings on panels.

1.09 FIELD MEASUREMENTS

- A. Verify partition openings and storage arrangements by field measurements before fabrication, and indicate measurements on shop drawings.

1.10 MAINTENANCE MATERIALS

- A. Furnish extra panel finish materials, matching installed materials, in quantity to cover both sides of two typical panels when installed.
- B. Package maintenance materials with protective covering for storage, identified with descriptive labels.

1.11 WARRANTY

- A. Special Warranty: 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 use.
 - 2. Warranty Period: Two years from date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design Manufacturer Folding Panel Partitions - Horizontal Opening:
 - 1. Advanced Equipment Corporation: www.advancedequipment.com.
 - 2. Other Acceptable Manufacturers:
 - a. Hufcor, Inc: www.hufcor.com.
 - b. Modernfold, a DORMA Group Company: www.modernfold.com.
 - c. Panelfold, Inc: www.panelfold.com.

2.02 FOLDING PANEL PARTITIONS - HORIZONTAL OPENING

- A. Folding Panel Partitions: Side opening; paired panels; side stacking; manually operated.
- B. Panel Construction:
 - 1. Frame: 16 gage, 0.0598 inch (1.52 mm) thick formed sheet steel frame top, bottom, jambs, and intermediates; welded construction, with acoustical insulation fill.
 - 2. Substrate: Gypsum board.
 - 3. Panel Substrate Facing: Steel sheet, manufacturer's standard thickness laminated to gypsum board panel.
 - 4. Aluminum, clear anodized vertical edge trim that overlaps the panel face and secures finish at vertical edge.
 - 5. Hinges: SOSS Invisible laminated hinge with antifriction segments mounted between each heat-treated link, attached directly to panel frame. Welded internal hinge bracket shall support the hinge and allow for adjustment of hinge plates.
 - 6. Panel Properties:
 - a. Thickness With Finish: 3-1/2 inches (88.90 mm).
 - b. Width: Standard width.
 - c. Acoustical Ratings: 54 STC.
- C. Panel Finishes:
 - 1. Facing: Vinyl coated fabric.

D. Panel Seals:

1. Panel to Panel Seals: Grooved and gasketed astragals, with continuous flexible ribbed vinyl seal fitted to panel edge construction; color to match panel finish.
2. Acoustic Seals: Flexible acoustic seals at jambs, meeting mullions, ceilings, retractable floor and ceiling seals, and above track to structure acoustic seal.
3. Vertical Interlocking Sound Seals between Panels: Roll-formed steel astragals, with tongue and groove configuration in each panel edge.
4. Horizontal Top Seals: Fixed, flexible multi-fin.
5. Manual Bottom Seals: 2 inch (50.8 mm) nominal operating clearance with an operating range of plus 1/2 inch (12.70 mm) to minus 1-1/2 inch (38 mm) which drop as panels are positioned. Extended seal shall exert nominal 120 pounds (265 kg) downward force to the floor throughout operating range.

E. Suspension System:

1. Track: Composite track, aluminum case with steel running surface.
 - a. Track soffit trim shall be integral to track.
 - b. Track brackets interlock with top flange of track and attach to structure with pairs of 1/2-inch diameter steel threaded rod. Track joints aligned by concealed, steel dowels.
 - c. Pendant Bolt: 5/8-inch diameter and attach to panel through a steel plate mounted internally with panel frame.
 - d. Carriers: Four, ball-bearing, steel wheels.
2. Product:
 - a. Advanced Equipment Corporation; No. 2.

2.03 MATERIALS

- A. Aluminum Extrusions: ASTM B221 (ASTM B221M), 6063 alloy, T6 temper.
- B. Vinyl Coated Fabric: ASTM F793 Category VI, polyvinyl fluoride (PVC) finish for washability and improved flame retardance; color as selected by Architect from manufacturer's standard range.

2.04 PARTITION FABRICATION

- A. 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 that finished in-place partition is rigid, level, plumb, aligned, with uniform appearance, free of warp, bow, twist, deformation, and surface irregularities.
- B. Dimensions: Fabricate operable panel partitions to form an assembled system of dimensions indicated on Drawings, and verified by field dimensions.
- C. Trim Finish: Manufacturer's standard aluminum trim; clear anodized.
- D. Hardware: Manufacturer's standard as required to operate panel partitions and accessories, with protective finish.

PART 3 EXECUTION

3.01 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. Verify that field measurements are as indicated.
- C. Verify that required utilities are available, of the correct characteristics, in proper location, and ready for use.
- D. Verify track supports are laterally braced and will permit track to be level within 1/4 inch (6.4 mm) of required position and parallel to the floor surface.
- E. Verify floor flatness of 1/8 inch in 10 feet (3 mm in 3 m), non-cumulative.
- F. Verify wall plumbness of 1/8 inch in 10 feet (3 mm in 3 m), non-cumulative.
- G. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Install partition in accordance with manufacturer's instructions and ASTM E557.
- B. ~~Install electric operator, wiring, and controls. Locate control station(s) as indicated. (RFI 14)~~
- C. Fit and align partition assembly and pocket doors level and plumb.
- D. Lubricate moving components.
- E. Install acoustic sealant to achieve required acoustic performance.
- F. ~~Coordinate electrical connections. (RFI 14)~~

3.03 ADJUSTING

- A. Adjust partition assembly to provide smooth operation from stacked to full open position. Do not over-compress acoustic seals.
- B. Visually inspect partition in full extended position for light leaks to identify a potential acoustical leak.
- C. Verify that safety devices are properly functioning.

- 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. Perform test and make adjustments before NIC testing.

3.04 FIELD QUALITY CONTROL

- A. NIC Testing: Engage a qualified testing agency to perform tests and inspections.
 - 1. Testing Methodology: Perform testing of installed operable panel partition for noise isolation according to ASTM E 336, determined by ASTM E 413, and rated for not less than **NIC 45** (RFI15) indicated. Adjust and fit partitions to comply with NIC test method requirements.
 - 2. An operable panel partition installation will be considered defective if it does not pass tests and inspections.
 - 3. Prepare test and inspection reports.

3.05 CLEANING

- A. Clean finish surfaces and partition accessories.

3.06 CLOSEOUT ACTIVITIES

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain operable panel partitions.
- B. Demonstrate operation of partition and identify potential operational problems.

END OF SECTION