

SECTION 126823
FOLDING CAFETERIA TABLES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. In-wall Folding tables and Benches in fully recessed storage pockets or surface mounted as indicated in the drawings.

1.02 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate fabrication and installation schedule to avoid delaying the work.

1.03 REFERENCE STANDARDS

- A. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2025.
- B. AWS D1.3/D1.3M - Structural Welding Code - Sheet Steel; 2018, with Errata (2022).

1.04 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each type of unit specified, including materials, dimensions of components, shapes, and finishes.
- B. Shop Drawings: Show details of actual units for the project, including plans, elevations, sections, details of components, profiles, and finishes.
- C. Samples for Selection of Colors:
 - 1. Manufacturer's Color Charts: Actual units or sections of the units showing the full range of colors, textures and patterns available for each exposed material involving color choice.
 - 2. High-pressure Plastic Laminate: Samples from the same material to be used for the work.
 - 3. Where finishes involve normal color and texture variations, include sample sets showing the full range of variations expected.
- D. Installer's Qualification Statement.
- E. Warranty documents.
- F. Maintenance Data: Include detailed operation and maintenance procedures.

1.05 **QUALITY ASSURANCE**

1.06 **Manufacture Qualifications:** Company specializing in manufacturing the products specified in this section with minimum 20 years documented experience.

A. **Installer Qualifications:** Installer experienced in installing built-in tables and seating similar to those required for this project.

1. Certified by the manufacturer of the built-in table/seating system to perform the work.

1.07 **DELIVERY, STORAGE, AND HANDLING**

A. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

B. Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by manufacturer.

1.08 **WARRANTY**

A. **Manufacturer's Warranty:** Submit manufacturer's standard warranty document executed by authorized company official.

B. This warranty applies to the repair or replacement of manufactured parts that fail due to defects in workmanship during the stated warranty period. It covers only the replacement of faulty parts and excludes any costs for removal or reinstallation.

C. **Warranty Period:** 15 years from the Date of Substantial Completion:

1. Manufacturers shall provide a **5 years** parts warranty.

2. Manufacturers shall provide a **10 years** performance warranty on factory performed welds.

PART 2 PRODUCTS

2.01 **MANUFACTURERS**

A. **Folding Cafeteria Tables:**

1. Nelson Adams NACO: .

2. Address: 420 S E st, San Bernardino, CA, 92401.

3. P. (877) 810-4080.

4. Web Page: <https://www.nelsonadamsnaco.com/#sle>.

2.02 **CAFETERIA TABLES AND BENCHES**

A. **Cafeteria Tables and Benches:** Tables with companion bench seats that fold in the middle lengthwise into wall-mounted storage pockets; unitized understructure not requiring the tops of benches for operation.

1. **Design Criteria:** Bench undercarriage capable of supporting 250 pounds (113.4 kg) at any point when top panels are removed.

2. Tables and benches detachable from and interchangeable in storage pockets.

3. Equipped with compression springs to ensure proper counterbalance in any position.

4. Locking automatically when folded into pocket for storage.
5. Self-actuating safety latches that engage automatically when table/bench is closed.
6. Manual operated mullion locks to prevent unauthorized use.
7. Lock Bolts: Two sets: 3/8 inches (9.52 mm) diameter, solid steel lock bolts:
 - a. Both sets of pins automatically engaged while closing the table and bench.
8. Sheet Steel Welding: In accordance with AWS D1.3/D1.3M.
9. Steel Shapes Welding: In accordance with AWS D1.1/D1.1M.

B. Table Dimensions:

1. Length: 166-5/8 inch (4232.27 mm). [When fully open]
2. Height: 28 inches (711.2 mm), 30 inches (762 mm), and Custom Heights Available.
3. Width: 28-3/4 inch (730.25 mm). [Custom Widths Available]

C. Bench Dimensions:

1. Length: 166-5/8 inch (4232.27 mm).[When Fully Open]
2. Height: 18 inches (457.2 mm), 20 inches (508 mm), and Custom Heights Available.
3. Width: 11-3/4 inch (298.45 mm). [Custom Widths Available]

D. Tabletop Frame: Dual C-Channel 1-9/16 by 2 inch (39.68 by 50.8 mm), 16 gauge, 0.060 inch (1.52 mm) steel angle with returned edges rolled to 11 gauge, 0.12 inch (3 mm).

E. Bench Frame: Dual C-Channel 1-9/16 by 2 inch (39.68 by 50.8 mm), 16 gauge, 0.060 inch (1.52 mm) steel angle with returned edges rolled to 11 gauge, 0.12 inch (3 mm).

F. Table Top and Bench Construction:

1. Top Panels: 3/4 inch (19 mm) thick, resin wood with density of 45 per cubic foot (721 kilogram per cubic meter).
2. Top Surface Finish: Manufacturer's standard vertical grade high pressure plastic laminate; Phonolic laminate backing sheet on opposite surface.
3. Finish Color: As selected by Architect from manufacturer's standard colors.
4. Table Edges: Manufacturer's standard bonded polyurea.

G. Tubular Members:

1. Connecting Bar: 16 gauge, 0.062 inch ((1.59 mm) 1 inch (25.4 mm) diameter steel tubing.
2. Bench End Legs: 14 gauge, 0.075 inch (1.90 mm), 1 inch (25.4 millimeter) diameter steel tubing.
3. Center Leg Assembly:
 - a. Outer Telescoping Tube: 13 gauge, 0.090 inch (2.28 mm), 1-1/2 inch (38.1 millimeter) diameter steel tubing.
 - b. Inner Telescoping Tube: 14 gauge, 0.075 inch (1.90 mm), 1-1/4 inch (31.75 millimeter) diameter steel tubing.

H. Steel Finish: Epoxy powder coat.

1. Finish Color: Black.

I. Wheels: Manufacturer's standard non-marking wheels.

2.03 WALL STORAGE POCKETS

A. Surface-Mounted [Custom Retro Fit Availa]:

1. **Single Table:**
 - a. Height: 86 inches (2184.4 mm).
 - b. Width: 58-1/4 inches (1479.55 mm).
 - c. Depth: 6 inches (152.4 mm).
 2. **Double Table:**
 - a. Height: 86 inches (2184.4 mm).
 - b. Width: 58-1/4 inches (1479.55 mm).
 - c. Depth: 12 inches (304.8 mm).
 3. **Triple Table:**
 - a. Height: [86] inches ([2184.4] mm)
 - b. Width: [58-1/4] inches ([1479.55] mm)
 - c. Depth: [18] inches ([457.2] mm)
 4. **Quad Table:**
 - a. Height: [86] inches ([2184.4] mm)
 - b. Width: [58-1/4] inches ([1479.55] mm)
 - c. Depth: [24] inches ([609.6] mm)
- B. **Rough Opening Dimensions [Custom Retro Fit Available]:**
1. **Recessed-Mounted:**
 - a. **Single Table:**
 - 1) Height: 85-3/4 inches (2159 mm).
 - 2) Width: 58-1/8 inches (1476.38 mm).
 - 3) Depth: 6-1/2 inches (165.1 mm).
 - b. **Double Table:**
 - 1) Height: 85-3/4 inches (2159 mm).
 - 2) Width: 58-1/8 inches (1476.38 mm).
 - 3) Depth: 12-1/2 inches (317.5 mm).
 - c. **Triple Table:**
 - 1) Height:
 - 2) Width: [58-1/8] inches ([1476.38] mm)
 - 3) Depth: [18-1/2] inches ([469.9] mm)
 - d. **Quad Table:**
 - 1) Height: [85-3/4] inches ([2159] mm)
 - 2) Width: [58-1/8] inches ([1476.38] mm)
 - 3) Depth: [24-1/2] inches ([622.3] mm)
- C. **Storage Pocket Construction:** Steel sheet box, fully welded, with solid back, sides, top and bottom.
1. **Material:** Sheet steel, 16 gauge, 0.060 inch (1.52 mm) unless otherwise indicated.
 2. **Sill and Top Plates:** 11 gauge, 0.12 inch (3 mm) sill and top plates.
 3. **Head Panel:** 2 inches (50.8 mm) vertical facing to cover masonry opening of 85-3/4 inches (2178.05 mm).
 4. **Recessed Pockets:** Provide 2 inches (51 mm) side facing to overlap walls.
 5. **Anchor Holes:** Provide at base and top of pocket for fastening unit to floors and ceilings.
 6. **Finish:** Phosphate coated with sprayed-on epoxy paint with hardener.
 7. **Finish Color:** As selected by Architect from manufacturer's standard colors.
 8. **Strap Anchors:** Provide for pockets built into masonry walls.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates and surfaces where units are to be installed.
- B. Ensure compliance with installation tolerance requirements and other conditions affecting performance.
- C. Verify that floor surface under fully expanded units is level with no more than 1/8 inch (3 mm) change in height over 10 foot (3 meters).
- D. Verify that rough walls at pocket locations are plumb.
- E. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Protect previously installed finish materials from damage during installation. **[By Others]**
- B. Make actual field measurements prior to fabrication and show field measurements on shop drawings.

3.03 INSTALLATION

- A. Install units in compliance with manufacturer's instructions and shop drawings.
- B. Install with top of pocket sill plate within 1/16 inch (1.5 mm) of top of finished floor level.
- C. Provide accessories indicated, including anchors, fasteners, inserts, and other hardware required for installing and attaching units to adjoining construction.
- D. Secure sill level on floor with flat-head screws through each hole provided by manufacturer; use lead or patent-type anchors for concrete floors; install screw heads flush with sill.

3.04 ADJUSTING

- A. Restore damaged and soiled areas by touching up factory finish to like-new condition.
- B. Lubricate, test, and adjust each unit for smooth and easy operation and proper adjustment of controls and safety features In accordance with manufacturer's recommendations.

3.05 CLEANING

- A. After installation and adjustment, clean exposed and partially exposed surfaces of each installed unit. Use materials recommended by manufacturer.

3.06 CLOSEOUT ACTIVITIES

- A. Demonstrate operation of units to Owner's personnel.
 - 1. Briefly describe function, operation, and maintenance of each component.

2. Review inspection, service, and maintenance requirements and identify service personnel contact information.

3.07 **PROTECTION**

- A. Protect installed units from damage during subsequent construction.
- B. Ensure that units are without damage or deterioration upon Date of Substantial Completion.

END OF SECTION