

**CONSTRUCTION STANDARD SPECIFICATION**

**SECTION 10619**

**DEMOUNTABLE METAL PARTITION - INSTALLATION AND DISASSEMBLY**

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**PART 1 - GENERAL**

**1.01 SUMMARY**

- A. Section includes installation and disassembly of Dowcraft full-height metal partitions.

Unless otherwise indicated, Sandia National Laboratories (SNL) will provide partition panels including components, posts and post covers, removable base, wall-mounted bookshelves, ceiling channels, cornices where applicable, wall-filler sections, doors and frames, glass for doors, and 1-1/2 pairs of butts and one passage latch set per door.

- B. Work includes, but is not limited to, the following:

1. Labor and equipment to install, or disassemble complete partition systems, including filler panels, doors, glass, hardware, and other related components.

2. Labor, equipment, and material to:

a. Protect and transport components from SNL's warehouse to place of final installation.

b. Dismantle, package, protect, and transport components to SNL's warehouse.

- C. Related Sections: Refer to the following sections for related work.

1. Section 08800, "Glass and Glazing"

2. Section 16001, "Electrical Work" for electrical work associated with installation of partitions.

- D. Standard Drawing: Refer to Standard Drawing AI1001STD, "Dowcraft Partition".

## 1.02 REFERENCES

American Society for Testing and Materials (ASTM)

C920 Specification for Elastomeric Joint Sealants

## PART 2 - PRODUCTS

### 2.01 MANUFACTURERS

Dowcraft Corporation: Partitions furnished by SNL, unless otherwise indicated.

### 2.02 MATERIALS

Acoustic Sealant: ASTM C920 Type S, Class 25, Grade NS; acrylic terpolymer, solvent-based, thermoplastic sealant.

### 2.03 ANCHORS AND ATTACHMENT DEVICES

A. Fasteners and anchors: Approved by manufacturer for use in intended application to support fully-loaded partition components.

Do not use wood plugs, lead wool, lead lag-screw shields, or plastic threaded shields.

B. Powder-actuated fasteners may be used when work is coordinated with Sandia Delegated Representative (SDR) and:

1. There is no danger to persons or property from overcharges or misdirected charges.
2. Load is exactly correct for type and thickness of substrate.
3. There is no danger of penetrating under-floor ducts or conduits.

C. Expansion Anchors: Metallic anchors shall be specifically recommended by manufacturer for type of installation intended. Install in strict conformance with manufacturer's instructions.

D. Pop Rivets: Pop rivets may be used as needed where normal disassembly of partition system or its components would not require disassembly of riveted parts.

E. Ceiling T-Bar Clips: Use twist-on clips to attach ceiling channels of full-height partitions to ceiling suspension system, to prevent damage to T-bars in suspended ceiling grids.

## 2.04 BRACES

Provide through-posts to building structure above ceiling, of material similar in construction and appearance to partition posts, where indicated on Contract Documents, to provide lateral rigidity of partition. Provide suitable escutcheon plates to conceal penetration edges.

## 2.05 TOUCH-UP MATERIAL

Touch-up Material: Match material used in existing partition system.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

Examine floors and conditions for compliance with requirements, installation tolerances, and other conditions affecting performance of partition systems. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.02 PREPARATION

Protect existing work.

### 3.03 INSTALLATION

- A. General: Install partition systems in accordance with requirements of this specification, Standard Drawing 91370-A2, and Contract Documents.
- B. Coordinate with work of other trades which are affected by partition systems installation.

Install partition systems furniture after floor coverings and suspended acoustical ceilings have been installed.

- C. Furnish and install anchoring devices as required, and secure partitions to walls using concealed fasteners.

Attach partition components to existing building components with anchors approved for the application as recommended by manufacturer.

- D. Install partitions rigid, level, plumb, and in alignment, with components secured together.

- E. Properly install and adjust partition components and hardware.

- 1. Attach wall hanger strips or channels to permanent walls with fasteners and anchors as required to support fully-loaded shelves and storage components.
- 2. Place chair supports no greater than 24 inches (61 cm) on center, maximum of 2 per panel.
  - a. Provide additional support chair centered under each slotted post cover furnished for shelving.

- b. Maximum Shelf Load: 400 pounds, uniformly distributed over minimum of four (4) 12-inch shelves per side of panel.
- F. Glazing: Set glass in glazing strips for firm retention and tight seal, and to permit easy removal and reinstallation without damage. Loose glazing stops and exposed screws are not acceptable.
- G. Provide posts through ceiling or to other concealed structural components, if required to assure lateral stability of partition runs. Install stiffener posts at intervals as shown on Contract Documents.
- H. Cut top filler panels to fit space between cornice and ceiling, and notch to fit cornice if needed.
- I. Where full height partitions intersect existing surfaces, cut wall channels or end filler panels to fit around irregularities such as finned radiation, conduit, or piping that are not being relocated as part of Contract. Do not cut full wall panels for this purpose.
- J. Do not cut or drill holes in wall panels, unless noted specifically on Contract Documents or approved by SDR.
- K. Where indicated in Contract Documents, repair existing holes and blemishes in panels, including holes temporarily filled with pop rivets or screws.
  - 1. Remove existing pop rivets or screws where applicable.
  - 2. Bevel edge of hole by grinding with a bull nose rotary file.
  - 3. Apply metal body putty ("Bondo" or approved equal).
  - 4. Sand smooth and spot-prime ready for finish paint.
- L. Install glass in doors that are furnished without glass already installed.
- M. Install continuous and positive seal to prevent light and sound transmission where partition abuts floor, ceiling, wall, and other surfaces. Install twin beads of acoustical sealant where indicated on Contract Documents.
- N. All installations in demountable metal partitions (Dowcraft, VMP) shall be run in flexible metallic conduit or MC cable to a junction box located above the panel.

### 3.04 DISASSEMBLY

- A. Disassemble partitions using procedures, sequencing and workmanship to minimize damage to components. When electrical conductors are present in the partitions for receptacles and light switches, ensure that all associated power is turned off and LOTO applied before proceeding with partition disassembly.
- B. Deliver partitions to SNL's warehouse in approximately the same component assemblies as issued. See referenced Standard Drawing for these assemblies.
- C. Small components shall be boxed, taped to, or bagged with major assembly component, and each unit shall contain only one type of component set; for

example, door assembly component shall not be mixed with floor anchor assembly components.

- D. Deliver assemblies on proper sized pallets, and stack to prevent damage and spillage during transportation.
  - 1. Place panels and door frames on pallets with cardboard, or other separators of sufficient thickness between panels to prevent damage.
  - 2. Panels on pallet shall all be the same size, except top panel may be smaller size or door frame. Stack no more than five panels high.
  - 3. Do not place door frames under panel.

### 3.05 REPAIR

- A. Repair damaged or defaced work as acceptable to SDR.
- B. Partitions and components which are damaged by Contractor shall be repaired, or replaced at Contractor's expense.

END OF SECTION