

General Notes

Pro Access Floors is a nationwide leader in Raised Access Flooring, providing comprehensive solutions including new and pre-owned flooring systems, under-structure components, replacement panels, professional installation, consulting, and raised floor disposal. For more details please visit our web site at:

<https://proaccessfloors.com>

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The Submittal Notes below represent the Industry Standard Concrete Raised Floor System.

For a complete list of Architectural files, Please visit our Architects and Engineers Resource page at:

<https://www.computerfloorpros.com/architects/>

Submittal Sheet Notes

- Coordination – Installation shall be coordinated with electrical, mechanical, and IT trades to allow for penetrations, cable routing, and airflow management.
- Field Verification – Contractor shall verify site dimensions and substrate conditions prior to installation.
- Installation – All work shall comply with manufacturer’s published installation guidelines and CSI Section 09 69 00.
- Tolerances – Finished floor shall be level within 1/8" in 10'-0".
- Substitutions – No substitutions permitted without prior written approval.
- Warranty – Manufacturer shall provide a minimum 1-year warranty against defects in materials and workmanship.
- **Disclaimer:** The information provided herein is based on manufacturer data and industry standards. Pro Access Floors does not guarantee performance of materials beyond manufacturer warranties. It is the responsibility of the architect, engineer, and contractor to verify that products meet project-specific requirements.

Section 09 69 00 – Concrete-Filled Raised Access Flooring

PART 1 – GENERAL

1.1 SUMMARY

A. Section includes factory-fabricated concrete-filled raised access floor panels, complete with pedestals, stringers, accessories, and understructure.

B. Work includes:

1. Supply and installation of raised access floor system.
2. Accessories for electrical/data routing, airflow management, and finishes.
3. Coordination with other trades for penetrations, cutouts, and grounding.

1.2 REFERENCES

- **ASTM C39** – Compressive Strength of Cylindrical Concrete Specimens
- **ASTM E84** – Surface Burning Characteristics of Building Materials
- **ASTM E695** – Strength of Floor Panel Systems
- **NFPA 75 / NFPA 76** – Protection of IT Equipment
- **CISCA Guidelines** – Access Flooring Systems

1.3 SUBMITTALS

A. Product Data: Manufacturer's specifications, data sheets, and installation instructions.

B. Shop Drawings: Layout, pedestal grid, load capacity, cutouts, and edge details.

C. Test Reports: Independent lab certification of static and rolling load performance.

D. Samples: One (1) full-size concrete-filled panel with finish.

E. Warranty: Submit manufacturer's 1-year warranty.

1.4 QUALITY ASSURANCE

- Manufacturer: Minimum 10 years experience in production of access flooring.
- Installer: Authorized by manufacturer; minimum 5 completed projects of similar size.

1.5 DELIVERY, STORAGE, AND HANDLING

- Deliver in manufacturer's original packaging.
- Store indoors, off ground, under cover, in dry location.

1.6 WARRANTY

- Provide minimum 1-year warranty against defects in materials and workmanship.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- Approved: [Insert Manufacturer Name, e.g., Tate, ASM, Pro Access Floors, etc.]

Substitutions: Per Division 01.



2.2 SYSTEM DESCRIPTION

- **Panels:** 24" x 24" (610 mm x 610 mm), steel welded shell filled with lightweight concrete.
- **Core:** Cementitious fill bonded to steel shell.
- **Top Surface:** Bare steel, high-pressure laminate (HPL), carpet tile, or vinyl finish.
- **Bottom:** Galvanized steel sheet.

2.3 PERFORMANCE REQUIREMENTS

- Concentrated Load: $\geq 1,250$ lbs (without permanent deformation).
- Ultimate Load: ≥ 3 times concentrated load rating.
- Rolling Load: ≥ 600 lbs, 10,000 passes.
- Flame Spread / Smoke Development: Class A per ASTM E84.
- Dimensional Tolerance: ± 0.015 " in panel size.

2.4 PEDESTALS & STRINGERS

- Pedestal Assembly: Rigid, adjustable steel construction, corrosion-resistant coating.
- Stringers: Steel tube, bolted or snap-in, forming 24" x 24" grid.

2.5 ACCESSORIES

- Grommets, cutouts, ramps, steps, edge trim, grounding clips, and adhesives as required.

PART 3 – EXECUTION

3.1 EXAMINATION

- Verify substrate is level and clean before installation.
- Tolerance: $\pm 1/8$ " in 10'-0" across floor.

3.2 INSTALLATION

- Install per manufacturer's recommendations.
 - Layout panels in uniform grid, perpendicular to building lines.
- Adjust pedestal heights for level finished floor.

3.3 FIELD QUALITY CONTROL

- Inspect installation for rocking panels, gaps, and misalignment.
- Perform load tests as directed by Architect.

3.4 CLEANING AND PROTECTION

- Clean panels and finishes after installation.
- Protect raised floor until Substantial Completion.

