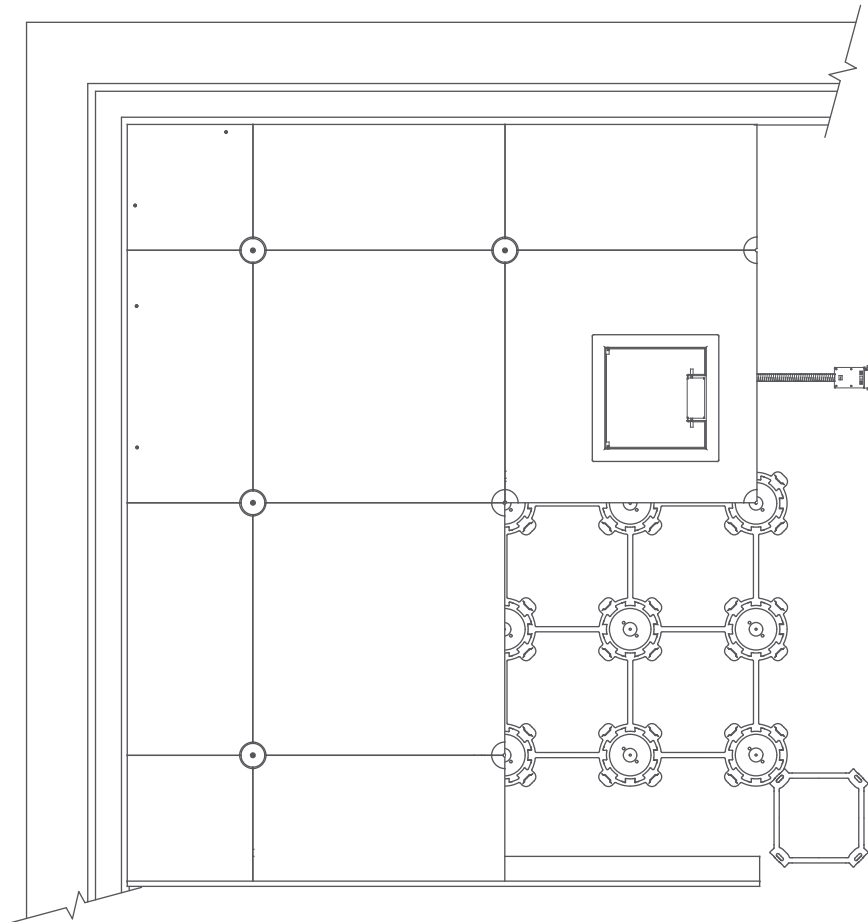


TECH SHEET

LOW-PROFILE FIXED-HEIGHT ACCESS FLOOR

build better™
DIRTT



COMPONENTS, MATERIALS, DIMENSIONS AND DETAILS

MAIN FLOOR PARTS

Unfinished Fiberglass Reinforced Magnesium Oxide (MgO) Board

Cutable material

Dimensions

Nominal Panel Size	24" (610 mm) square
Actual Panel Dimensions	23 15/16" (608 mm) square x 3/4" (19 mm) thick
Individual Panel Weight	17 lbs (7.7 kg)

Pedestal

20-gauge Stamped Steel

Dimensions

Top Diameter	4 1/4" (108 mm) base diameter
Base Diameter	4" (101 mm) top diameter
Spacing	12" (305 mm) on-center grid
Finish	Zinc-plated steel

WEBBING

DIRTT Floor Web 9 Supports

Polypropylene	V-0 flammability rating
Symmetrical Quick Connectors	
Dimensions	24" (610 mm) square to support centerlines 1/8" (3 mm) thick (typical)

Pad Nut

Polypropylene	V-0 flammability rating
Dimensions	4" (102 mm) diameter x 1/16" (2 mm) thick

Web Connector

Polypropylene	V-0 flammability rating
Dimensions	12" (305 mm) square support spacing

FLOOR EDGE MATERIALS

Concealed Perimeter Blocking

18-gauge Steel U-channel	
Finish	Satin coat

Aluminum Extrusion

Zinc-plated Steel Mounting Hardware	
Finish	Clear anodized Powder coat

SUPPLEMENTAL MATERIALS AND FASTENERS

2" Fire Blocking/ Draft Stop	48" (1.23 m) long x 2" (50 mm) wide x 2" (50 mm) high strips Roxul FabRock LT, Roxul ProRox SL430 or Roxul AFB (45 m³/density)
LePage® PL 400 Floor Adhesive	10 oz. (295 mL) tube in a caulk gun Bead coverage approximately 20ft² (1.85 m²) per tube (seismic) Spot coverage approximately 100ft² (9.3 m²) per tube (non-seismic)
Perimeter Fastener	#10-16 x 1/2" L Flat Head Robertson Tek Screw (FHTS)

Support Fastener

Zinc-plated Steel

Dimensions	7 mm x 50 mm Confirmat Style Particle Board Screw
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Support Washer

Zinc-plated Steel Support

Dimensions	1" (25 mm) x 1/8" (3 mm) diameter
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TYPICAL ELECTRICAL ASSEMBLIES

Low-profile Access Floor Box Cutout (AFB202)

NOTE: See [Mini Low Profile Access Floor Box AFB202 Tech Sheet](#) for more information.

Low-profile Access Floor Box Cutout (AFB401)

NOTE: See [Low Profile Access Floor Box AFB401 Tech Sheet](#) for more information.

FLOOR LEVELNESS

Continuous access floor lengths less than 40 feet (12.19 m)

Base building sub-floor shall be level within 3/8 inch over 10 feet (10 mm over 3.05 m).

Continuous access floor lengths greater than 40 feet (12.19 m)

Base building sub-floor shall not exceed a maximum total floor flatness deviation greater than 1 1/2" (38 mm).

TESTING AND APPROVALS

TESTING

NOTE: See [Low-profile, Fixed-height Access Floor FAQ](#) for more information on testing and requirements.

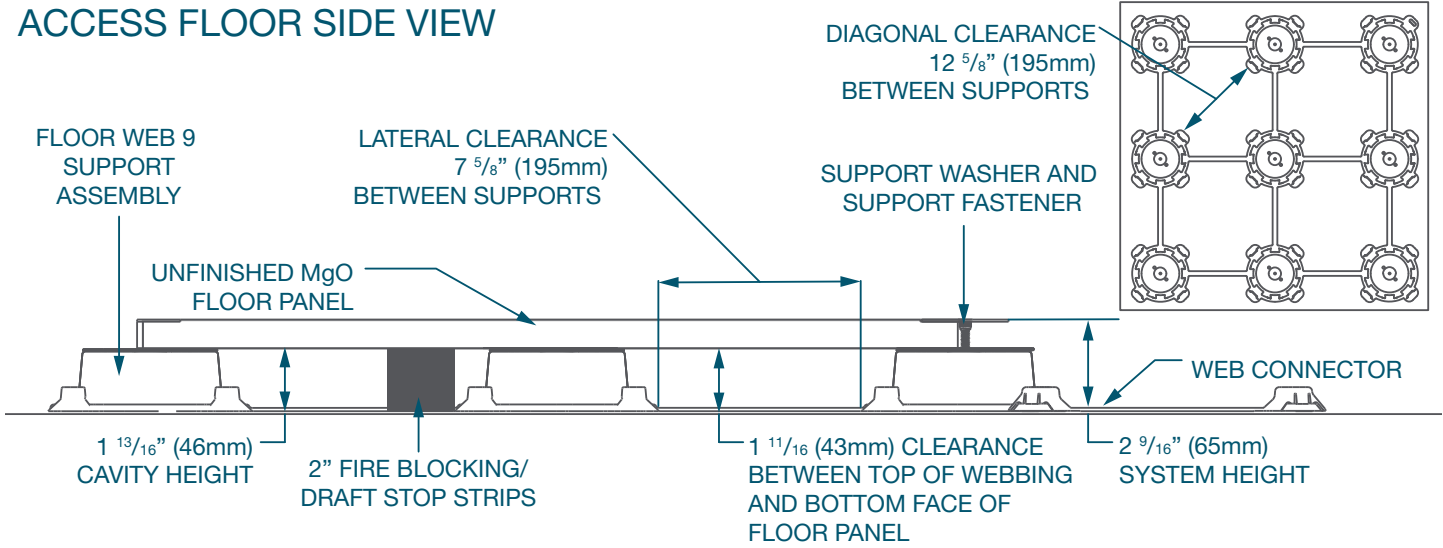
RECOMMENDED WEIGHT LIMITS

MAXIMUM LOADS FOR ACCESS FLOOR PANELS

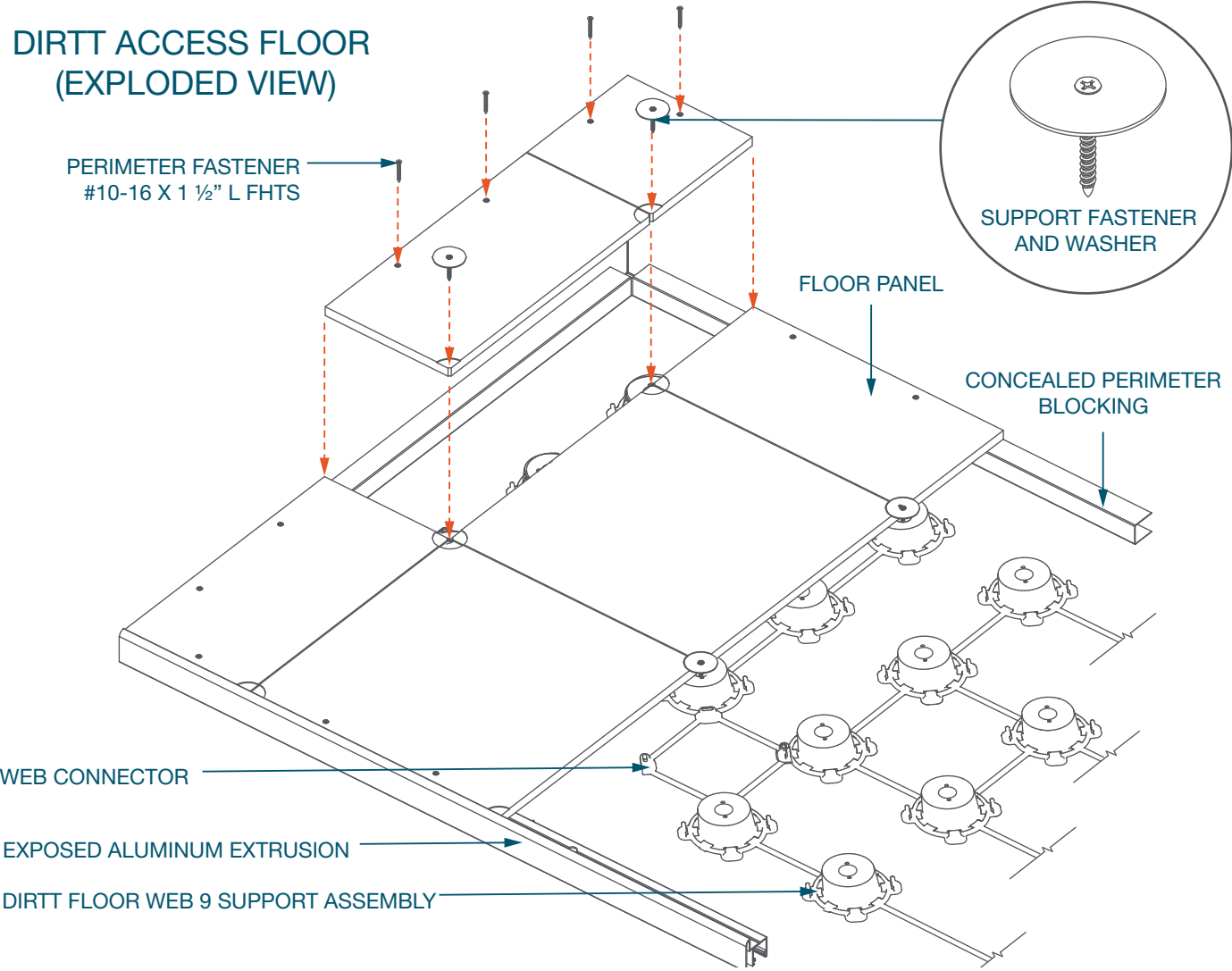
Assembly Dead Load	
Assembly Weight	4.75 lbs/ft² (23.2 kg/m³)
Uniform Load	1,620 psf (10,127 pounds (3.93 kilonewtons (kN) applied over 2 1/2" x 2 1/2" (64 mm x 64 mm))
Concentrated Point Load (Middle of Quadrant)	883 lbf (3.93kN) applied with a 1" (25 mm)-diameter steel indenter
Concentrated Point Load (Middle of Quadrant Edge)	590 lbf (2.62kN) applied with a 1" (25 mm)-diameter steel indenter

NOTE: See [Low-profile, Fixed-height Access Floor FAQ](#) for more information on maximum loads when transporting floor panels using a pallet jack with 3 1/2" (19 mm)-Long wheels

ACCESS FLOOR SIDE VIEW



DIRTT ACCESS FLOOR (EXPLODED VIEW)



DIRTT ACCESS FLOOR
(ASSEMBLED VIEW)

