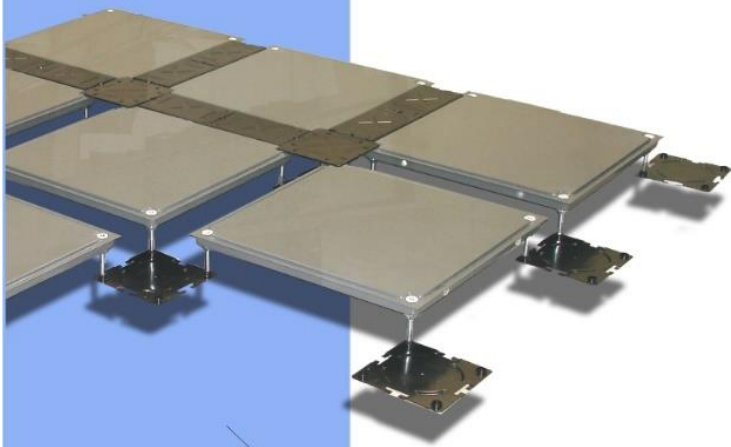




NETFLOR®

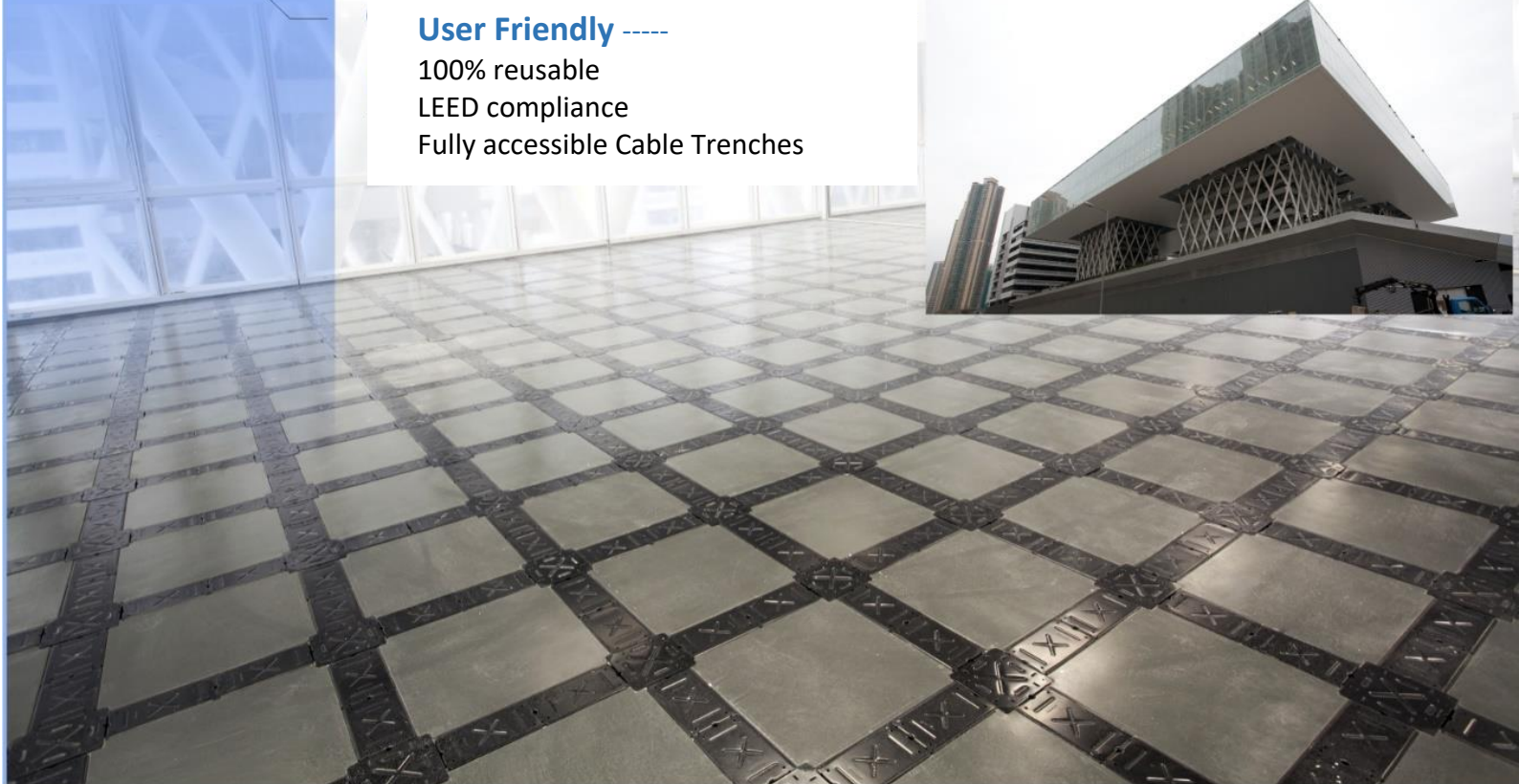
# CamassCrete

Low Profile Cable Management  
Access Floor System



## User Friendly -----

100% reusable  
LEED compliance  
Fully accessible Cable Trenches



## CamassCrete CR1000W

CamassCrete is designing and developing for using in all commercial, public, and education interiors where required inclusive benefits of low finish-floor-height, non-combustible, high changeability, and large cable management capacity. The system is cost-effective, and light-weighted as comparing to most other contemporary access floor systems.

### Users Friendly

**Grid-pattern Cable Trench System** : he Cable Trench system, a continuous grid-pattern cable trenches throughout the floor plan, provides free accessibility to users at maximum capacity for network's cable distribution and extension. Grid-pattern Cable Trench system provides cable runway of inside width 4.33" (110 mm) within every 23.62" (600 mm). The trench caps are easily lifted and accessible by access floor installers, network technicians, and office users.

**Supper low-profile:** The **Socket-Set-Screw** system contributes super-low installation at finish floor height (FFH) from 2.75" (70 mm) down to 1.57" (40 mm). This has especially contributed to old offices and schools' renovation and modernization programs in providing large cable management capacity while retain favorable floor-ceiling height. least sacrifice to floor-ceiling height: The unique Socket-Set Screw system enables system's finish floor height at 2.75"~1.57" (70 mm~40 mm) while still facilitating sufficient cable capacity running inside the Cable Trenches.

**Stability:** The self-stand **UniPanel** (main panel) is structured with 4 built-in pedestals at four corner of the panel. The UniPanels, with four built-in pedestals, are standing independently. In case of earthquake or unusual lateral force impact, the system will not be collapsed.

**Safety, No hazard** : During re-routing or re-location, the technicians or office users just lift the Cable Trench caps by hand. If the site was installed with traditional access floor, the user has to use mechanic tools, such as panel lifter, to lift the panels. Each steel cementitious or calcium sulphate structured access panel is normally weighted 26 to 33 lbs (12 to 15 kg) per piece and it is not safe to operate by office people and may cause hazard.

### Infinite flexibility and cost effective

- **Easy routing and extension** of cable: Through Cable Trenches, power, data and voice cables, or even facility pipes are distributed and extended in good order.
- **Extension** of cables to any point of furniture, partition, and workstation is unlimited.
- **Maintenance costs** can be neglected.
- **Pedestals are not glued to the ground.** Removal of pedestals will not damage the ground. In the event of re-location, all components are re-usable.



Self-stand UniPanels (main panels) connecting by Base Connectors to form the Cable Trenches. The Base Connectors and Pedestals are not glued to the sub-floor, which will not cause damage, nor pollute the sub-floor. The unique configuration of UniPanels and Base Connectors provides maximum cable capacity and systematic cable routing, connecting, and extension.

## The System ---

The system consists of 4 main components: UniPanel (main panel), Based Connector, Central Cap and Flank Cap.

### Module set:

23.62" X 23.62" (600 mm x 600 mm) per module set.  
Each module set includes 1 UniPanel,  
1 Base Connector, 1 Central Cap and 4 Flank Caps

**Unipanel** (main panel): Size 20.08"X20.08" (510X510 mm). Steel cementitious access panel with special design grooves at four sides of the panel for securely laying by Flank Caps. Factory assembled pedestals are fixed at four corners of the panel. The four built-in pedestals support UniPanel self-stand, which is extraordinary stable and safe.

**Base Connector:** connect UniPanels's pedestals, which automatically forms the standard-distance Cable Trenches.

**Central Cap:** To install on intersection of Cable Trenches. 10 mm height bend at four sides slot inside Cable Trenches.

**Flank Cap:** To install on Cable Trench. Bent at sides of cap slot in the grooves at four sides of UniPanel, 10 mm height bend at 2 ends slot inside Cable Trench.

**Interlocking System:** To install, use Base Connector to connect UniPanel's pedestal. Connecting the UniPanels is easy, no gluing is required. Continuous connection of UniPanels forms standard-distance, grid-form Cable Trenches automatically.

### Grid-form Cable Trench Systems

Reticulated grid-form cable trench system provide large cable capacity, easy routing, and organized management to all cables inside the trenches.

### Supper Low-Profile:

System height from 1.57"~2.75" (40~70mm).

### Low-Profile:

System height from 3"~8" (76~200 mm).



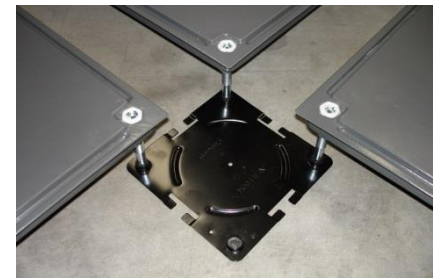
UniPanel with 4 built-in Pedestals



Base Connector

Flank Cap

Central Cap



Base Connector connects pedestals  
Cable Trenches formed automatically



super low-profile 2.75"~1.57"(70~40mm) H

During installation ...corporate headquarter



Cables routing inside the Cable Trenches  
and extending through any point of the floors

After installation .....



CamassCrete facilitates neat, efficient environment.  
Unlimited cable highway networked underneath

**I. Super Low-Profile** system height 1.57"~2.75" (40~70 mm)

**Super-Low Cable Highway -----**

Cable Trench Capacity:

Open width at top: 3.54" (90 mm)

Inside width: 4.33" (110 mm)

Clearance: system height minus 0.4" (10 mm)

System	System Height	Cable Trench width	Cable Trench clearance
CR1000W-40	1.57" (40 mm)	4.33" (110 mm)	1.18" (30 mm)
CR1000W-60	2.36" (60 mm)	4.33" (110 mm)	2.00" (50 mm)



Socket-Set-Crew fixed inside and at top of pedestal

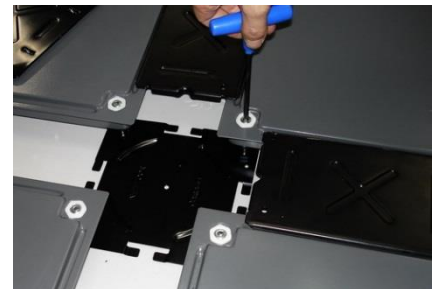
**Set-Screw Locking System --- for Super Low-Profile installation**

Step 1: To loose  
apply 5 mm hex key wrench  
to loose the **Set-Screw** by  
counter-clockwise.



5 mm hex key wrench

Step 3: To fasten  
after step 2 height adjustment,  
apply 5 mm hex key wrench  
(or mechanical tool with key wrench)  
to lock set-screw clockwise

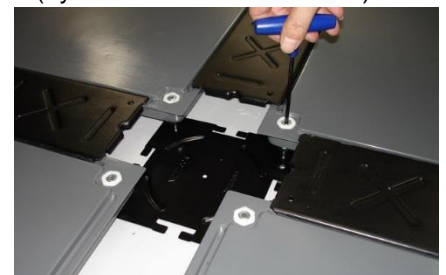


Step 1 and 3: to loose and lock Socket Set Screw from above (by hand or mechanical tool)

Step 2: to adjust height from top  
use 4 mm hex key wrench,  
stretch trough the **Set-Screw**,  
insert at hex hole at top of the  
pedestal, then adjust height.

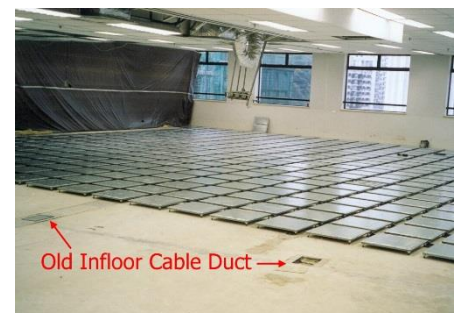


4 mm hex key wrench



step 2: to adjust height from top

CS1000A-45 to install at finish floor height 1.77" (45 mm),  
reserves 1.37" (35 mm) clearance in Cable Trenches



renovation projects: Installing on the old, embed floor trunkings

Applications: to meet requirements of high cable capacity and low finish floor height, **CR1000W** super-low-profile systems are ideal for renovation and modernization projects in old buildings of commercial, public, and education institutes.

## II. Low-Profile system height 3"~8" (76~200 mm)

### Cable Trench Capacity:

Open width at top: 3.54" (90 mm)

Inside width: 4.33" (110 mm)

Clearance: system height minus 0.4" (10 mm)

System	System height	Cable Trench inside width	Cable Trench clearance	Height adjustment
CR1000W-75	3" (75 mm)	4.33" (110 mm)	2.6" (65 mm)	2.56"~3.54" (65~90mm)
CR1000W-100	4" (100 mm)	4.33" (110 mm)	3.54" (90 mm)	
CR1000W-135	6" (150 mm)	4.33" (110 mm)	5.51" (140 mm)	
CR1000W-175	8" (200 mm)	4.33" (110 mm)	7.48" (190 mm)	

### Height adjustment: Self-stand UniPanel

Where there is floor deviation, impact noise might be caused by tip of pedestals. Adjust the pedestals to eliminate noise and deviations.

Step 1: Loose the lock-nut

apply 17 mm wrench to loose the lock-nut at bottom of the pedestal by counter-clockwise

Step 2: Adjust height

apply 4 mm hex key wrench, stretch at the hex hole at top of the pedestal, to adjust

Step 3: To fasten

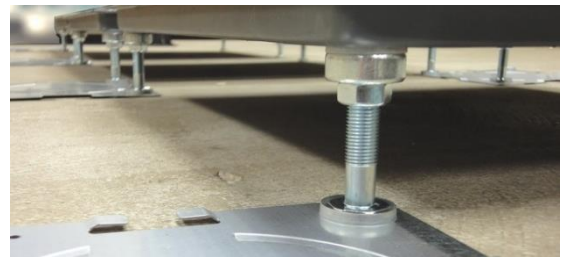
use the 17 mm wrench again, to fasten the lock-nut by clockwise



4 mm hex key wrench / 17 mm wrench



steps 2 adjust height from top by key wrench



step 1 and 3: loose and fasten the lock-nuts at at upper of the pedestals

Flank Cap with clamping devise (optional) suggested for FFH greater than 6" (150 mm)

upper view

Clamping clips



bottom view

Clamping clips



.....

Central Cap with locking for FFH greater than 6" (150 mm)

locking at four corners



## Cable Routing and Extension

The grid-pattern cable trench system provides systematic, easy routing and extension of cables. The trench caps to cover the cable trenches shall be installed before or after routing of cables. As all UniPanels are self-standing, lifting or replacing of trench caps are safe, convenient and without resorting to special tools.

### Cable Influx and routing

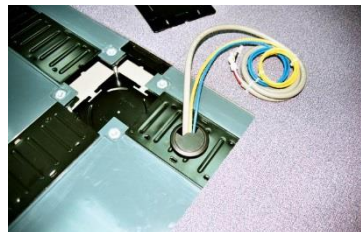
In case of extra large inflow, cables may enter through the reserved space under the UniPanel. After certain distance, distribute through the reticulated Cable Trenches in good order.

### Cable extension

**Exit-cap:** Cables extend through **Exit-Cap** (Flank Cap with 60 mm diameter opening) and connect at wall base, half-height or full-height partition, desk top, and etc.



Exit-Cap



Cables extending from Cable Trenches to wallbase, desktop, any point of the workstation

### floor box - on cable trench

**SE403** (steel lid) / **SS403** (stainless steel lid)  
installing at the Cable Trenches,  
for FFH 40 mm and greater: Floor boxes **SE403/SS403**  
are installed at Cable Trench by replacing one Flank  
Cap. A box accommodates 1 duplex power connector  
and 3 data jacks.



### large floor box:

**SB75** plastic lid / **SS60** stainless steel lid

To accommodate larger size outlet box, Outlet-Panel is custom-made by cutting partial of UniPanel at required size, or at center of the UniPanel, to fix at all internationally recognized brand's as Hubble, Spider, MK, etc.



To accommodate large size floor box -  
Cut at side of the panel (count in the Cable  
Trench width) and installed at the trench,.



CamassCrete installed in educational  
institute and library. Accommodate all  
international brands' floor boxes

**Ramps:** ADA compliance, length of ramps 1:12 ratio and 1:20 ratio to height, made of galvanized steel, face panel riveted by supporting channels underneath  
 1: standard 24" (610 mm) width, heights 1.57" (40mm), 2.36"(60mm), 2.75" (70mm)



1.57" H + upper section for 2.36" and 2.75" H

standard ramp: 1.57" (40 mm) H, 24" W

2: for up to 4" (100 mm), 6" (150 mm) up to 8" (200 mm) height



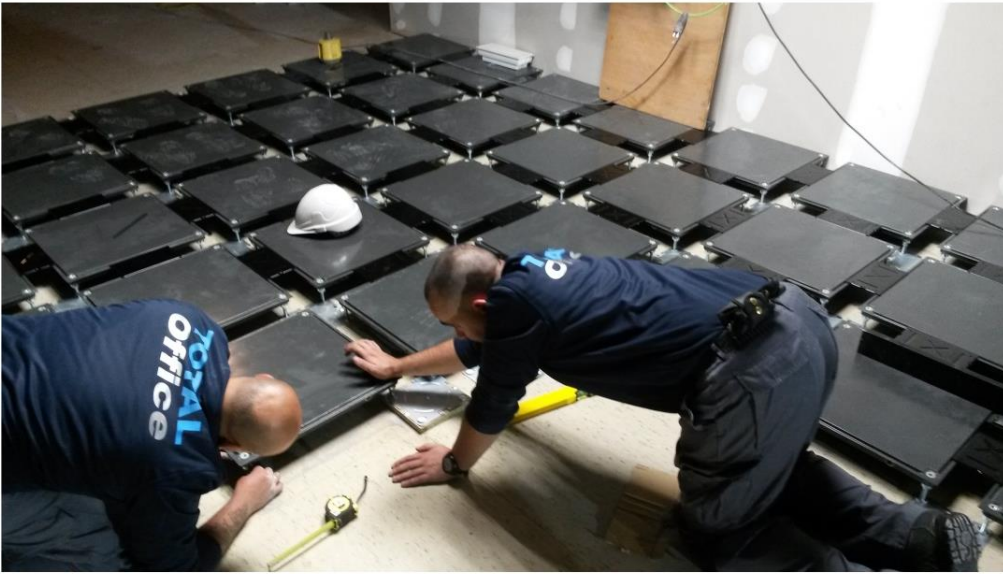
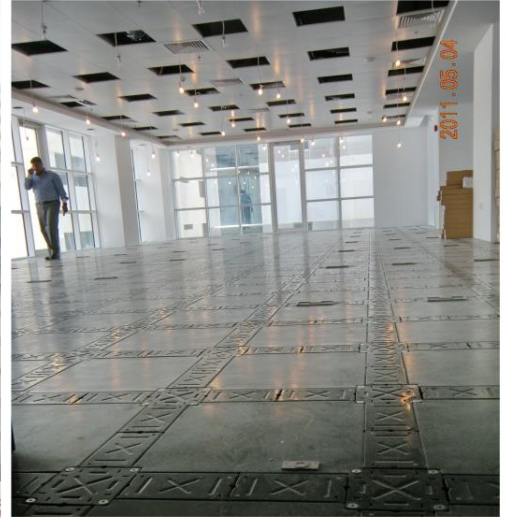
2.75"(70 mm) height ramps as ramp shoe, connect to raised floor panels. The slope panels and corner-locked, supported by swivel pedestals underneath

## Specifications -----

**System:** Netffloor CamassCrete CR1000W

1. Module Set:
  - 1.1 Module size: 23.62" X 23.62" (600 mm x 600 mm) =  
1 UniPanel + 1 Base Connector + 1 Central Cap + 4 Flank Caps.
  - 1.2 System height: 1.2.1 CR1000W super low-profile: 1.57" (40 mm), 2.36" (60 mm), 2.75" (70 mm)  
1.2.2 CR1000W low-profile: 3" (76 mm), 4" (100 mm) ~ 8" (200 mm)
  - 1.3 System weight: avg.7.36 lbs per sq. ft. (36 kg / per sq. meter)
2. Main Components:
  - 2.1 **UniPanel** (Main Panel)  
Size: 20.07" X 20.07" (510 x 510 mm)  
Grooves: at four side of panel 16.14" (410 mm) L, 0.31" (8 mm) depth, from surface of panel...  
Top plate and bottom plate of Panel: welded steel, corrosion protection by powder coating, in-filled with light weight cement plus recycled slag.  
Pedestals: galvanized steel, fixed at four corners, assembled to system's required height.
  - 2.2 **Base Connector:** steel, thickness 0.6 mm, made of galvanized steel or steel corrosion protection by powder coating or electro-deposition.
  - 2.3 **Central Cap:** steel, thickness 0.09" (2.3 mm), 10 mm bend at four sides, corrosion protection by electro-deposition.
  - 2.4 **Flank Cap:** steel, thickness 0.09" (2.3 mm), corrosion protection by electro-deposition. ribs reinforced at surface of the cap, 10 mm bent at 2 ends, bent flanges sealed by u-shape pvc trim to eliminate noise when contacting at grooves of the UniPanel,
3. Cable Trench Capacity
  - 3.1 Inside width: 4.33" (110 mm)
  - 3.2 Cable Trench opening width: 3.54" (90 mm)
  - 3.3 Cable Trench clearance: system height minus 0.4" (10 mm)
  - 3.4 Cable capacity under UniPanel (main panel): system height minus 1.10" (28 mm).
4. Loading Property: the system (access panels and Cable Trench Caps), in accordance with CISCA
  - 4.1 Concentration Load: 800 psi < 0.1" (2.5 mm) depression
  - 4.2 Concentration Ultimate Load: greater than 1500 psi
  - 4.3 Uniform Distribution Load: 800 psf: less than 0.06" (1.5 mm) depression
  - 4.4 Uniform Ultimate Load: greater than 2500 psf
5. Flammability: Non-combustible. Meet BS476, part 4, ASTM E-84 class 1.
6. Surface Floor Covering: The system is not suitable for using as surface. Commercial grade carpet tiles, or commercial resilient tiles greater than 4.5 mm thick are suitable surface flooring on top of the system.
7. Warranty: 5 years limited warranty.

**In pursuing continuous quality improvement, the manufacturer reserves the right to update specifications without prior notice.**



**CamassCretes** are widely using  
in world class A office building projects

**Patent Granted**  
CamassCrete system

USA: Invention Patent No. 5,626,157  
Germany: Utility Model No. 201 06 806.0  
Netherlands: Patent No. 1017802  
Russia: Invention Patent No. 22168  
U.K.: Gb2373796  
China: Utility Model No. ZL01.2.08101.9  
Japan: Utility Model No. 3082164  
Taiwan: Invention Patent No. 125767  
South Africa: Patent No. 2001/5974

**Patent Granted**  
set-screw-locking system

China: Utility Model No. ZL03260894.2  
Taiwan: Invention Patent No. M241460

USA patent apply No.: 101653.881  
-- world-wide patent pending --

Netfloor, Inc.  
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[www.netfloor.com](http://www.netfloor.com) / [www.net-floor.com](http://www.net-floor.com)