



The Widerström Building

Quick facts

Address: Solna

Building no: A0095061

Built: 2012

Architect: KOD Arkitekter AB

A word from the architect

With pure, honest material, a dynamic form and ornamental façade this new building and the whole of Campus Solna open up against the world and the city. The Widerström Building, which consists of two blocks, contains offices and classrooms for the Karolinska Institute and the Institute for Communicable Disease (SMI). The long building announces Campus Solna along Solnavägen and marks the north entrance to campus.

The building consists of two blocks, one with eight floors and the other, taller part, of eleven floors (including operational spaces). The lower part mimics the scale of the older buildings on Campus Solna and the higher one relates in scale to the new and coming buildings along Solnavägen, such as New Karolinska University Hospital.

Pointy gables and crooked angles give the strict house a dynamic form. This is reinforced by a horizontal façade layout with clear window bands that sweep around the entire building. The tile tradition from the rest of campus is further transformed into a new mould with brick in light concrete. The brick form several patterns, striped in distance and like a patterned cardigan close up. The brick band's patterning gives a small-scale ornamental and relief effect in the façade.

The two bottom floors contain the foyer, open areas and classrooms. The foyer is facing the street and stretches over two floors, open and generous with a glass façade towards Solnavägen and the entrance area outside the building. The entrance and the foyer are open to everyone in the building and provide a space where students and scientists can meet.

The interior is coined by simple materials, cool colours and, as a contrast, explosions of colour in the core of the building. The office plan is created for flexible usage with a module system which can be changed from today's tenants' wishes about cell offices into bigger offices or office landscapes.

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/Sanna Hederus and Åsa Kalstenius, KOD Arkitekter

General

House responsibility

The Widerströms Building is owned and managed by Akademiska Hus with the Karolinska Institute (KI) and the Institute for Communicable Diseases (SMI) as tenants.

The house guide was created in 2012 and we hope that you, with the help of this guide, can find valuable information about the building and enjoy your offices to their full extent.

If there is anything you want to know or if you have any questions, you can always contact Akademiska Hus on +46 8 685 75 00. Contact details for the building manager and operating technicians responsible are available on the contact sheet in the entrance.

For questions regarding KI or SMI, please contact the tenants' representative.

Error reports/maintenance request

All error reports should primarily be made through www.akademiskahus.se by clicking Maintenance Request (Felanmälan) at the bottom of the page.

Urgent matters can be phoned in on +46 20 552 000.

When you send in a report you need to provide the room number, which can be found on the outside of the door frame.

If there is an error with something that goes under the tenant's responsibilities such as locks, alarms, coffee machines or printers you need to contact their representatives.

Rules of conduct

To create and maintain a good working environment that is also safe, it is necessary that certain rules are applied and respected.

- Do not smoke indoors or within 15 meters of the entrance
- Do not bring pets into the building
- Do not park bikes indoors
- Do not drill holes into walls, floors or ceilings to attach decor or equipment
- Do not place furniture, freezer, etc. in maintenance or public areas
- Do not block doors to maintenance areas or evacuation routes
- Do not rebuild or change the building's installations without the approval of Akademiska Hus

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- Do not transport, move or put down heavier equipment without the approval of Akademiska Hus
 - Do not force doors in fire compartments open with wedges or similar
- The tenants are responsible for changing light bulbs and clean windows. Contact the building manager at Akademiska Hus if the windows need to be serviced. All windows require suckers to open and trestles for support.

Make sure that doors are closed and locked by the end of the day.

Parking

Staff and visitors are asked to use the paid parking spaces on Campus Solna. Parking spaces for vehicles with disability permits are located by the main entrance. Please see the map for Campus Solna. Bicycle parking is available by the main entrance.

Waste disposal

Akademiska Hus is responsible for the disposal of household waste and the tenant for the other waste fractions. The tenant is responsible for the removal of big waste and wood pallets. KI has certain source separation on each floor. The waste room (KI's only) can be found on floor 2 with different bins for sorting. SMI has local paper collection on each floor and handles all other waste themselves via the adjacent building 95:10.

Information for people with disabilities

Parking

Parking spaces for vehicles with disability permits are located by the main entrance. Please see the map for Campus Solna.

Tactile walkway

Tactile walkways for people with impaired vision are at the entrance and in the foyer.

Entrance and elevators

The entrance is accessible, and all floors can be reached by elevator.

Accessible toilets

Accessible toilets are located on each floor and are equipped with a local security alarm.

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Temporary fire escapes

The stairs are first priority in evacuation and are created as separate fire compartments designed to delay smoke and fire from spreading. In the staircases there are temporary evacuation areas where people with disability should wait for evacuation assistance. These places are marked with signs which read "Tillfällig flyktplats" (Temporary escape site).

Auditorium and lecture hall

Auditorium 02154 and lecture hall 02324 are equipped with hearing aids and have sections intended for wheelchairs. Read more under the section The Building and bookable rooms.

Entrances and access

Addresses

Main entrance SMI: Nobels väg 18

Main entrance KI: Tomtebodavägen 18A

Goods transports KI: Tomtebodavägen 18B

Goods transports SMI: Tomtebodavägen 12A

The Karolinska Institute

171 77 Stockholm

Telephone: +46 8 524 800 00

Web: www.ki.se

The Institute for Communicable Diseases

Nobels väg 18

171 82 Solna

Telephone: +46 8 457 23 00

Web: www.smi.se

Cargo transportation

KI's cargo should be delivered to Tomtebodavägen 18B for further transportation by the larger elevators in staircase 1.

SMI's cargo should be delivered to Tomtebodavägen 12.

Intercom

KI have intercoms connected at the main entrance and the cargo entrance.

Keep security in mind! Do not let unauthorized people into the building and accompany your visitor out when they are leaving.

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Locks

The main entrances are unlocked during the day. During weekends and evenings you need an access card and code.

The access cards and keys are administrated by each tenant's representation and loss of either need to be reported immediately.

Emergency exits

Emergency exits with green handles should only be used in case of emergency. If opened, an alarm will go off and the security company will be alerted.

Security and burglar alarms

A security company is monitoring the building and does rounds regularly. Burglar alarms are forwarded to the security company who show up immediately.

The Building

General information

The Widerström Building was finished in 2012 and the architect was KOD Architects. The building's total area is approximately 18 500 square meters and consists of two buildings of 11 and 8 floors respectively.

The entrance floor, floor 1, consists of a foyer, classrooms, group study rooms, technical and installation areas.

On floor 2 there are classrooms, an auditorium, social space for students with kitchenette, offices, garbage rooms, loading room, technical and installation areas.

Floors 3-10 have offices and meeting rooms.

Ventilation rooms can be found on floors 1 and 11.

SMI has a roof terrace on floor 8 which can be reached through staircase 3.

Bookable rooms

Auditorium 02154 and lecture hall 02324 are bookable for KI through the central system. For questions regarding services, please contact KI's lecture hall service.

Framework

The building's framework is made by concrete and steel and can carry a weight of 400 kg/square meters when spread evenly. The framework is enforced in the archives on floor three.

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Room numbers

To easier find the way in the building, all rooms have a room number. The room number is created on a module system along the following system:

02352 – the first two numbers show the floor.

02352 – The third number shows the part of the building.

02352 – The last two numbers show the placement of the room on the floor.

Safety alarm in the rooms for resting and accessible toilets

Accessible toilets and rooms for resting are available on each floor and all have local safety alarms.

When the alarm goes off it is shown locally by sound and a flashing red light outside each room. **It is important** that you make contact with the person in that room if you see the flashing light as these alarms don't alert anyone else.

The alarm can be re-set in each room by pressing the green button.

Windows

Windows are not allowed to be opened and can only be opened with special tools when they are being cleaned or serviced.

The tenant is responsible for changing light sources and cleaning windows.

Contact the building manager at Akademiska Hus if the windows need to be serviced. All windows require suckers to open and trestles for support.

Elevators

General information

The building has a total of 4 elevators named H11, H12, H13 and H31.

H11 goes between floors 1-11 and has a max weight of 630 kg or 8 people. The door measurements are 900x2100 mm and the elevator's measurements are 1300x1300x2350 mm.

H12 and 13 can transport people and goods going between floors 1-10 and has a max weight of 1600 kg or 16 people. The door measurements are 1100x2100 mm and the elevator's measurements are 1450x2300x2300 mm.

H31 goes between floors 1-8 and has a max weight of 1275 kg or 17 people. The door measurements are 1100x2100 mm and the elevator's measurements are 1300x2300x2300 mm.

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Elevators in case of fire

If the fire alarm goes off the elevators will return to the entrance floor and release any passengers before stopping with the doors open.

If there is a fire on the ground floor, the elevators will stop at the closest possible floor where people can get off.

After the alarm has gone off, the elevators need to be re-set manually to start working again.

Elevators in case of a power outage

If there is a power outage, the elevators will stop at the closest possible floor.

Emergency alarm

If an elevator stops between two floors, the emergency button needs to be pressed down for at least 10 seconds. Outside of the elevators an alarm will sound, and an emergency signal will be sent to Akademiska Hus who are on call for the elevators 24 hours, 7 days a week. Someone will be sent to assist the emergency.

Fire safety

Automatic fire alarm

The building has smoke detectors throughout which will send out a fire alarm when they detect smoke. The alarm will sound by sirens through the whole of the building, but it will be prioritized between the floors in order to avoid queues by the emergency exits.

In the toilets, the accessible toilets, resting room and some classrooms the sound alarm will be supplemented by a flashing red light.

The fire alarm has a direct link to SOS Alarm.

If you cannot put out the fire on your own, **you must call 112.**

You can sound the alarm manually by the red button by the emergency exits. Close the door behind you if you are the last person to exit, this will slow down both the fire and the dangerous smoke.

Elevators in case of fire

The elevators must not be used in case of fire.

If the fire alarm goes off the elevators will return to the entrance floor and release any passengers before stopping with the doors open.

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If there is a fire on the ground floor, the elevators will stop at the closest possible floor where people can get off.

Fire compartments

The building consists of several fire compartments to prevent fire and smoke from spreading. Each fire compartment is separated by firesafe framework, walls and doors. Each of the staircases, including elevator shafts, garbage rooms and installation shafts, are their own fire compartments. Each floor is divided into several fire compartments.

The doors between the compartments are held open by magnets and can be shut manually by pressing the button labelled "branddörrstängning" (Fire door closure").

When the alarm goes off, all fire doors will be closed automatically throughout the building.

The tenant is responsible for testing this feature regularly.

Doors between fire compartments are not allowed to be forced open by wedges or similar.

Emergency exits

General information

From each working space it is possible to reach two separate emergency exits, and neither of these are allowed to be blocked.

The emergency exits are marked with green, luminous signs which are always lit and have back up batteries in case of power outage.

Emergency exit plans and maps are located on each floor and shows emergency exits, meeting places and fire extinguishers.

**Meeting place for SMI is by the grill/snack bar outside of the building.
Meeting place for KI is on the parking lot outside KISP, on the other side of Tomtebodavägen.**

If the fire alarm goes off all personnel must immediately leave the building, close all doors behind themselves and head straight for the meeting places.

Of course, all fires are different so how you should act depend on each specific case. But remember the ground rule:

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SAVE – WARN – SOUND ALARM – PUT OUT

- Save yourself and others close by
- Warn others who might be in danger
- Sound the alarm by calling **112**
- Put out the fire if possible

Temporary emergency exit in case of fire

The staircases have first priority in case of fire and also makes its own fire compartment to slow down how the fire and smoke is spreading through the building. The staircases have temporary emergency exits where people with disabilities should wait for help to be evacuated. These places are marked with “tillfällig flyktplats” (temporary emergency exit).

Lights

General areas

In general areas such as the entrance foyer, staircases and corridors the lights are controlled automatically by a timer. After normal office hours the lights are controlled by sensors which react on movement or sound.

In toilets and store rooms the lights are controlled by motion detectors.

Some lights by the entrance on floors 1 and 2 are on constantly.

Meeting and conference rooms

In the meeting rooms the lights are controlled manually by a switch next to the door. Detectors will turn the lights off if they have been left on with no-one in the room for a set amount of time.

The level of light in the meeting and conference rooms can be adjusted. Turn on or off with a quick press to the button and tone the light up or down by a slow press.

In larger conference rooms there is a panel to control various lightening scenarios.

Offices

The light is turned on and off by the switch next to the door.

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Room climate

General information

In order to get good air quality in the building the ventilation is set based on the number of people and the equipment that has been planned for the room. The room temperature varies between 19-26 degrees.

To prevent the temperature from dropping there are radiators placed along some walls.

After ordinary office hours the ventilation will be turned off to save energy.

Offices

The air in the offices are controlled by a continual flow.

Meeting rooms

In the meeting rooms and some classrooms it's possible to, during office hours, force the ventilation manually by a switch by the door. The inflow of air will then increase for a set period of time.

Classrooms

The ventilation in classrooms on floor 1 and 2 is automatic. That means the air is automatically adjusted based on the number of people and how warm the room is.

The ventilation in the classrooms are controlled by a specific system designed to bring in cool air along the walls, down along the floor and then up where the people in the room are congregating.

Remember not to place furniture, paintings or other things against the wall where these air vents are. This is to make sure the ventilation will work as it should, where the air flows free.

Sun cover

The building has blinds inside the windows facing south-west and they are controlled automatically and by zone through a sensor. The blinds can also be controlled manually and room by room by a switch by the door. One or two times a day the blinds go back to automatic control.

Energy and environment

Ventilation

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The building uses a temperature control system to save energy. The building is ventilated during office hours and outside those hours the ventilation is off. The low temperatures during the nights help create a cold buffer which prevents the rooms from getting too warm during the day.

Good things about this system:

- Saves energy
- Simpler systems mean easier to manage and maintain
- Better indoor climate
- Natural adjustment indoor based on the season outside

Sedum roof

Floors 3 and 8 have so called green roofs, or sedum roofs. The oily leaves of the sedum are laid out as a carpet across the roof and impact positively on the environment by:

- Creating new biotopes for birds, butterflies, insects etc
- Insulate the inner spaces of the building and thereby saving energy
- Protect the sealant against UV light (it breaks down the surface layer material) and protect the underlying roofing material against temperature changes
- Reduce and delay the flow of rain water
- Removes and binds air pollution
- Mute noise and give aesthetically pleasing impression

Art

Kristina Matousch's artwork made out of concrete and plaster forms three large glass sections over two floors placed in the entrance and is called "Uranus".

"I used the toilet rolls like bricks, utilizing their ability to be placed in different directions to create structures. The Widerström building has a connection with the human body and therefore I have chosen to consider the house as if it were a body and the concrete walls its skin.

The installation with the recessed toilet paper rolls creates a filter and transparency between rooms. Like pores, they let through information and from close distance one will experience the detailed paper structure that creates a tactile / textile feel which directly relates to the human body in scale and material sense. From here the work communicates softness and vicinity. Overall, the rolls together with the glass create an architectural feature."

/ Kristina

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