PRESS MATERIAL

MAERSK TOWER



C.F. Møller



OVERVIEW

This document contains an overview of the press material which can be found on C.F. Møller's FTP server. You'll find the following material on the FTP:

- Drawings
  - Detail drawings
  - Isometric drawings
- Images
  - Additional
  - Essential
- Sketches
- Text
  - Credits Team, consultants and suppliers
  - Long project description of Maersk Tower
  - Short project description of Maersk Tower
- Video
  - Time-lapse video

FTP.CFMOLLER.COM

USERNAME: media

PASSWORD: BR!CK

DIRECT LINK: ftp://ftp.cfmoller.com/Maersk%20Tower,%20extension%20of%20the%20Panum%20complex/



FACTS

ADDRESS: Nørre Campus, Blegdamsvej, Copenhagen, Denmark

CLIENT: The Danish Property Agency for the University of Copenhagen; supported by the A.P. Møller Foundation

ARCHITECT: C.F. Møller Architects

LANDSCAPE ARCHITECT: SLA

ENGINEER: Rambøll

COLLABORATORS: aggebo&henriksen, Cenergia, Gordon Farquharson, Innovation Lab

SIZE: 42,700 m^2 (24,700 m^2 laboratories, offices and shared facilities and 18,000 m^2 foyer, canteen, auditoria, classrooms, plant)

YEAR: 2010-2017

PHOTOGRAPHER: Adam Mørk

MAERSK TOWER, EXTENSION OF THE PANUM COMPLEX AT THE UNIVERSITY OF COPENHAGEN

The Maersk Tower is a state-of-the-art research building whose innovative architecture creates the optimum framework for world-class health research, making it a landmark in Copenhagen. It aims to contribute positively by linking the University of Copenhagen with the surrounding neighbourhoods and wider city.

The Tower is an extension of Panum, the University of Copenhagen's Faculty of Health and Medical Sciences, and contains both research and teaching facilities, as well as a conference centre with auditoriums and meeting rooms, connected to the latest technology. With its easily identifiable and dynamically curved shape, the 15 storey research tower stands as a sculptural linchpin for the University's Faculty of Health Sciences, whilst equally forming a visible link between the city and the North Campus.

In order to create architecture for world-class health research, it is important to design a venue which encourages many opportunities for coming together, transcending different disciplines, from the general public to the research community. This helps to communicate ongoing research activities, leading to knowledge sharing and inspiration for new and groundbreaking research.



Transparent and welcoming

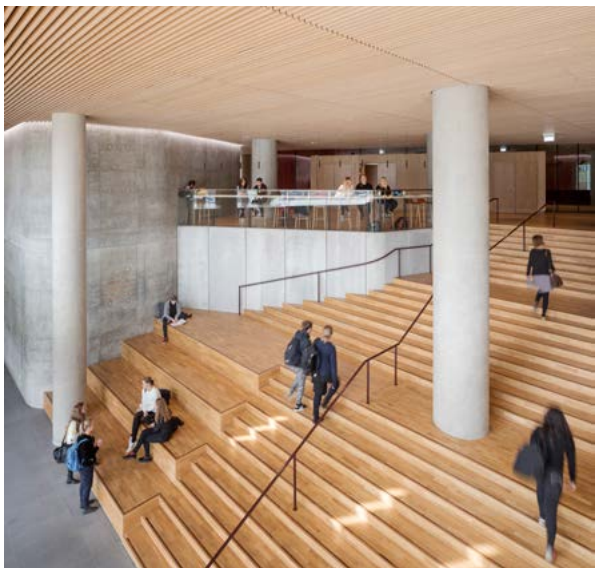
The Tower rests on a low star-shaped base that reaches out into the landscape towards the city. It contains shared and public facilities, such as lecture halls, classrooms, the canteen, show lab, conference rooms and the book café. The foyer can also be found in the base, where the entrance staircase stands like a piece of furniture in the room, with its warm wooden surface inviting you to pause on the elevated seating steps.

The base connects the functions of the existing Panum complex with the Maersk Tower. The central space of the base forms an open and dynamic gathering place where researchers, students and guests meet and cross paths while heading to and from their activities. A deliberate layout of the functions of the base ensures short distances from the central space, creating a bigger interface between researchers and students as they move around between the base's various facilities.



The proportions of the base are carefully adjusted to the lower buildings of the existing Panum complex, which the Maersk Tower connects to. The existing Panum complex, built in the 1970s, is considered to be a Brutalist masterpiece, and the Maersk Tower looks to refer to it clearly both in terms of colour and façade rhythm. But unlike the existing Panum complex, which appears introverted, the base of the Maersk Tower embraces the city and invites the public in.

With its transparent façade, the entire base appears open and welcoming, and from Campus Park, you can follow the many activities going on in the base. At the same time this transparency allows the interior of the building to blend in with the external green landscape.





Optimal conditions for innovative research

The Tower itself holds all research facilities, in innovative and modern laboratories. A considerable focus on visibility and transparency in research is underlined by the use of glass in the interior décor while plug-and-play functions ensures both scientific innovation and flexibility. On each floor the Tower's functions are linked together in an efficient loop, which provides shorter travel distances and strengthens opportunities for teamwork.

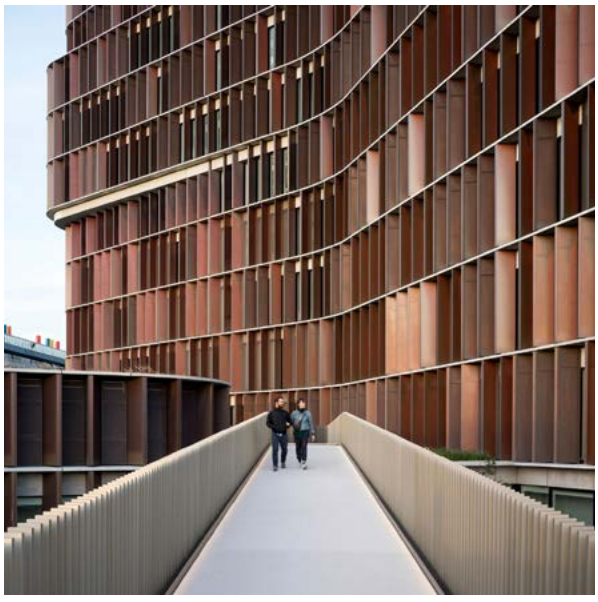
A continuous sculptural spiral staircase visually and physically connects the open fifteen floor atrium, creating an extensive three-dimensional sense of space. Close to the staircase on each floor there is an open and inviting "Science Plaza", which serves as a natural meeting and communal space for the many employees. A large vertical shard of glass in the copper shutters of the façade, makes the spiral staircase and the Science Plazas visible externally and ensures, together with the open base, visibility in relation to the activities of the tower as well as a spectacular and inspiring view over Copenhagen.

Innovative façade

The façade of the Tower is divided into a relief-like grid structure of storey-height copper-covered shutters. The copper coating indelibly references to Copenhagen's many copper church steeples, which, together with the Tower, poke up amidst the homogeneous cityscape. The shutters provide a deep relief effect to the facade, breaking down the considerable scale of the Tower. In their expression, they also offer a sense of fineness and verticality.

The shutters of the façade function as movable climate shields, which, depending on weather conditions, automatically opens or closes ensuring a comfortable indoor climate. The shutters primarily shield against direct sunlight yet also allow daylight to filter through its fine-meshed perforations.

The Tower's form and shutter design contribute positively to removing the wind turbulence that can occur around tall buildings, ensuring a pleasant microclimate in the park landscape at the base of the Tower.





The Campus Park

By selecting a tower typology, there is greater allowance for a green and urban campus park, which is open to everyone and therefore involves and develops the surrounding neighbourhood. With the Campus Park, the University opens itself to the local area in an attractively designed and varied green urban space, open to everyone. The Campus Park offers outdoor study and a recreational space for researchers and students, as well as a new public park.

From Blegdamsvej, Campus Park is accessed via a landscaped apron with a grassy slope. The apron is designed so that it can cope with future climate change. Excess water seeps down between the tiles, where it is collected in a large reservoir. The rooftop gardens of the low buildings can also absorb extreme downpours. The surplus rain water from the park is used for example for the irrigation of the park and to flush the toilets in the building.

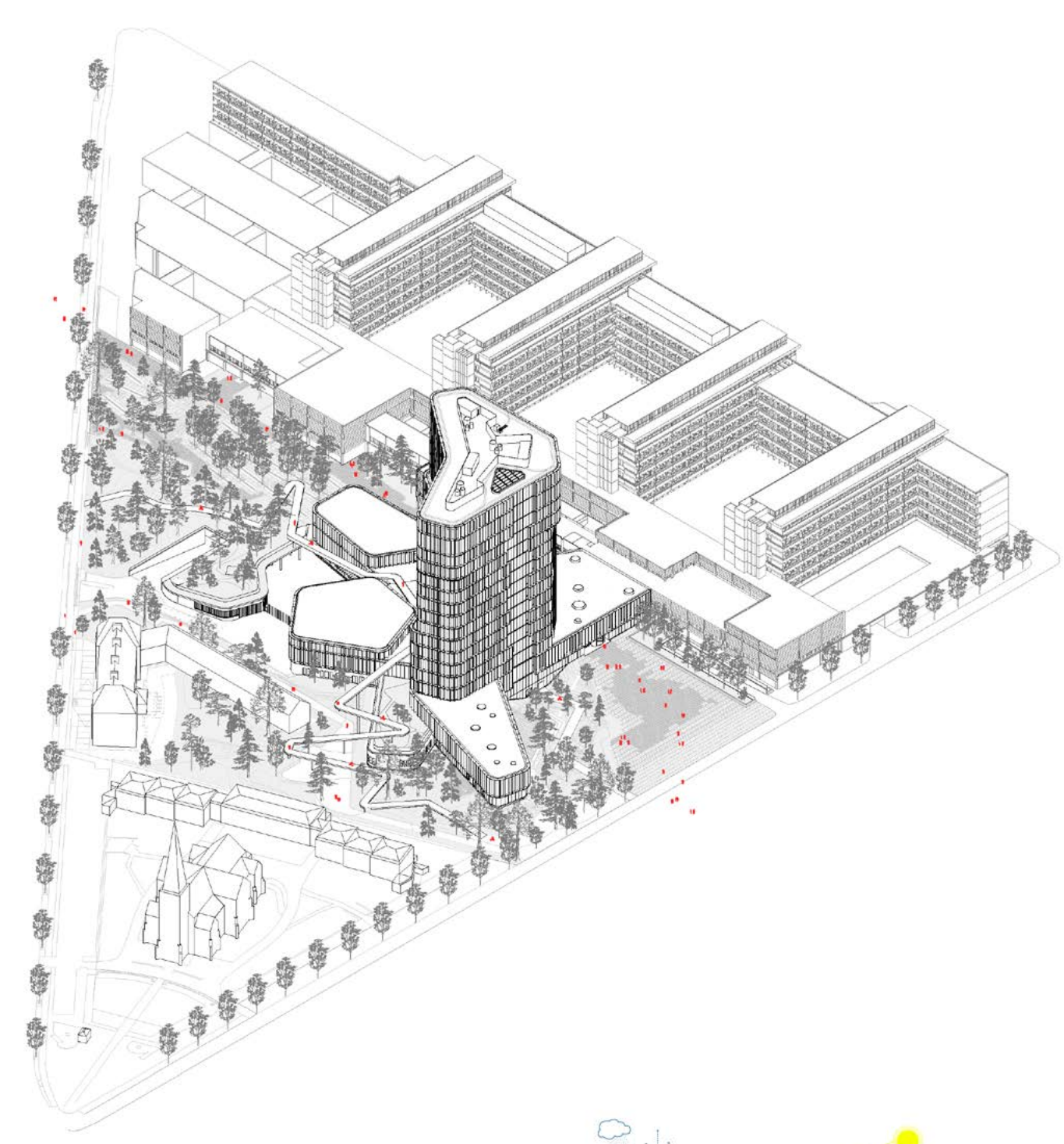
A unique element of the new Campus Park is the zigzagging 'floating path' that leads pedestrians and cyclists across parts of the Maersk Tower. This allows the public the opportunity to get up close to the building and the researchers while at the same time, creating a new connection between Nørre Allé and Blegdamsvej. Similarly, researchers and students can cycle directly to work or school via a cycle path that feeds into a bicycle cellar, where the gate automatically opens as a cyclist approaches. In addition, there are plenty of outdoor bicycle parking spaces.

Sustainability

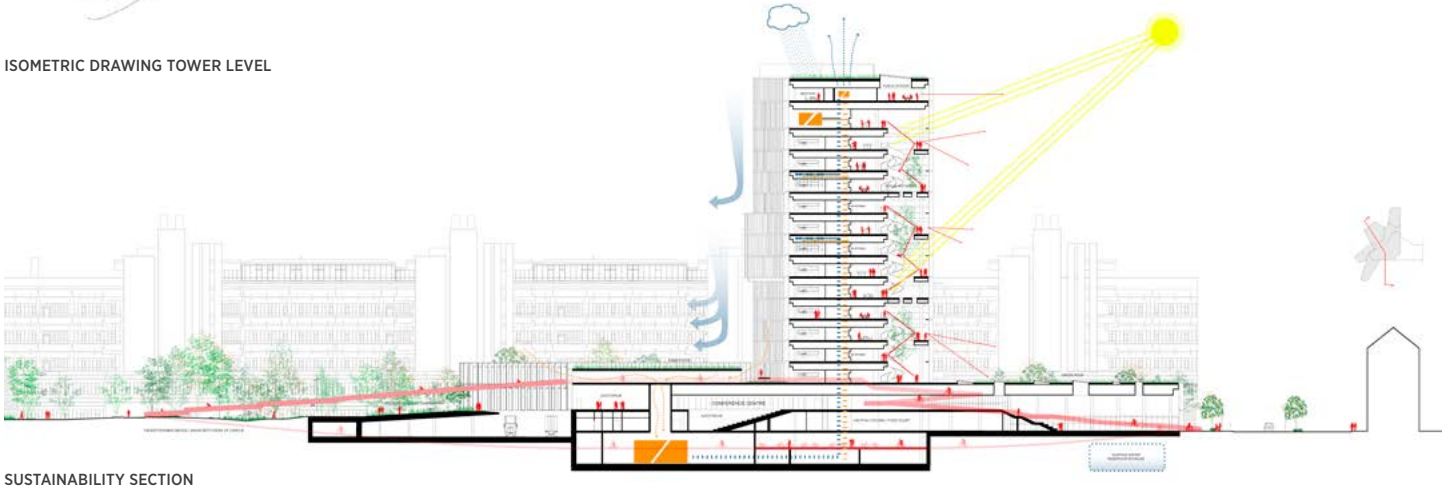
The Maersk Tower hosts Denmark's most energy-efficient laboratories, where waste energy is recycled to a hitherto unprecedented level. This in combination with the movable heat shielding of the façade and other energy-saving measures, makes the building a pioneer of energy-efficient laboratory construction with a maximum primary consumption of only 40 kWh/m^2. This corresponds to a halving of a traditional laboratory building.



ISOMETRIC DRAWING & SUSTAINABILITY SECTION

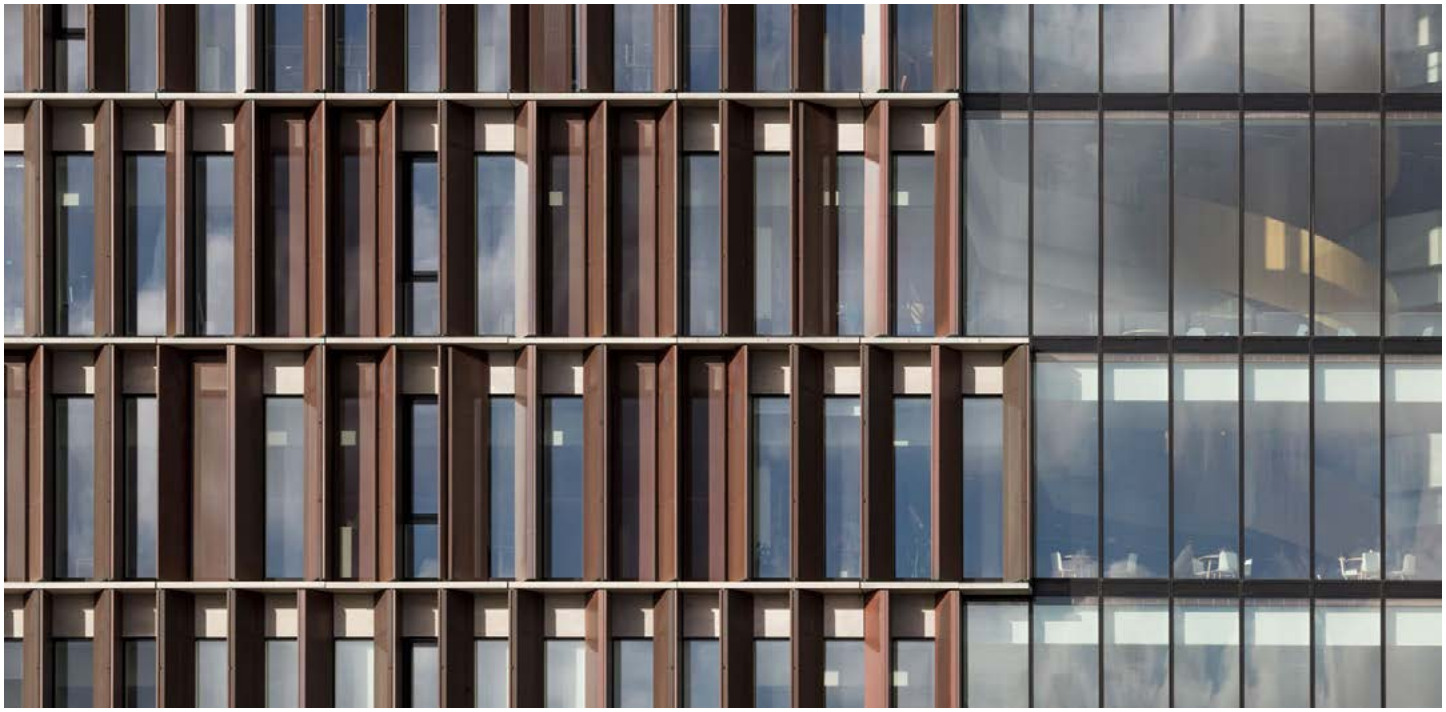


ISOMETRIC DRAWING TOWER LEVEL

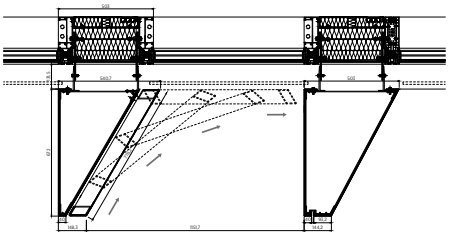


SUSTAINABILITY SECTION

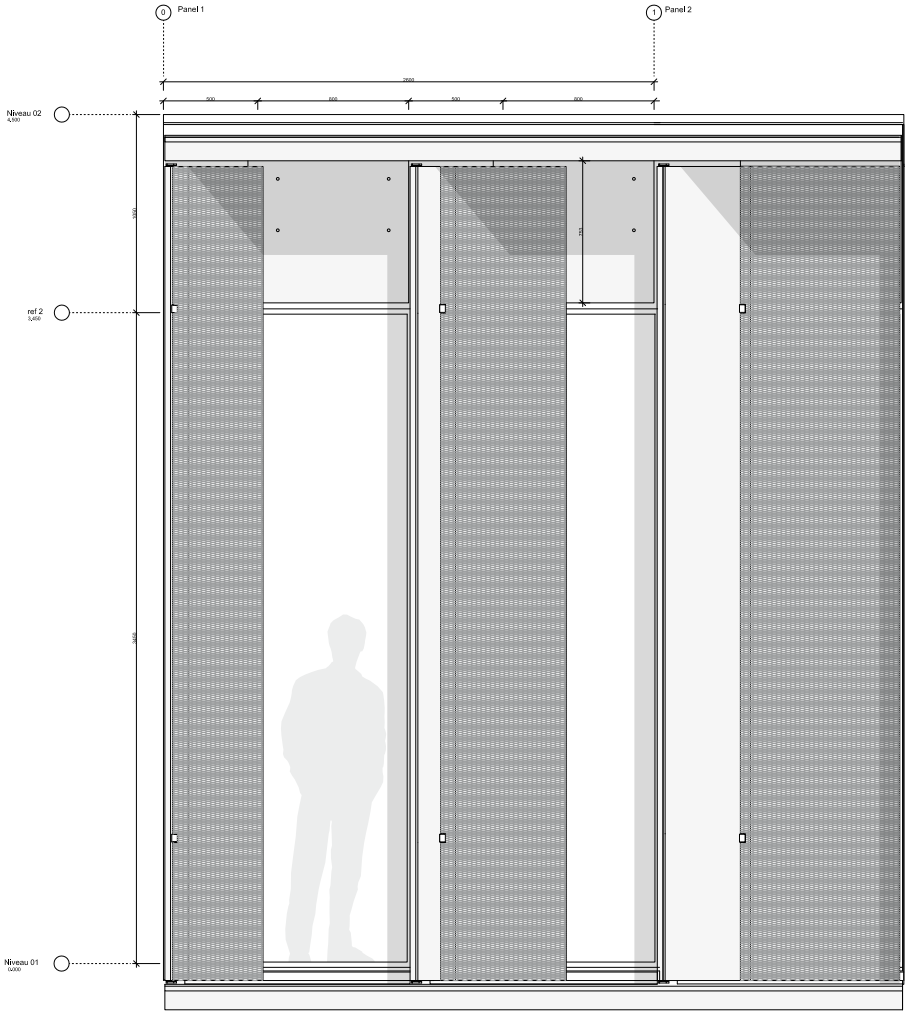
FACADE SHUTTERS



24_PANFO306 (PHOTO: ADAM MOERK)



PLAN DETAIL OF SLIDING SHUTTERS 1:40

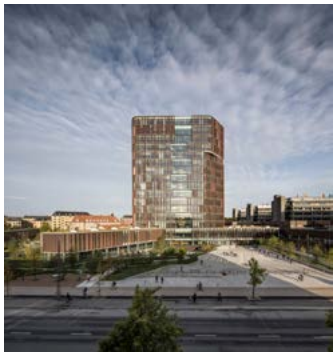


ELEVATION DETAIL OF FACADE SHUTTERS 1:40

The copper-covered shutters of the façade function as movable climate shields, that automatically opens or closes according to direct sunlight, ensuring direct heatgain in the laboratories is kept to an absolut minimum.

CONTACT SHEET

ESSENTIAL IMAGES



01_PANFO121 (PHOTO: ADAM MOERK)



02_PANFOT03 (PHOTO: ADAM MOERK)



03_PANFOT42 (PHOTO: ADAM MOERK)



04_PANFO387 (PHOTO: ADAM MOERK)



05_PANFO453 (PHOTO: ADAM MOERK)



06_PANFO247 (PHOTO: ADAM MOERK)



07_PANFO228 (PHOTO: DRAGOER LUFTFOTO-BYGST)



08_PANFO548 (PHOTO: ADAM MOERK)



09_PANFO181 (PHOTO: ADAM MOERK)



10_PANFO156 (PHOTO: ADAM MOERK)



11_PANFO158 (PHOTO: ADAM MOERK)



12_PANFO524 (PHOTO: ADAM MOERK)



13_PANFOT91 (PHOTO: ADAM MOERK)



14_PANFOT76 (PHOTO: ADAM MOERK)



15_PANFO185 (PHOTO: ADAM MOERK)

CONTACT SHEET

ESSENTIAL IMAGES



16_PANFO282 (PHOTO: ADAM MOERK)



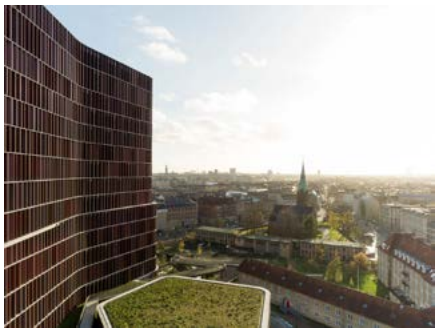
17_PANFO231 (PHOTO: ADAM MOERK)



18_PANFO303 (PHOTO: ADAM MOERK)



19_PANFO331 (PHOTO: ADAM MOERK)



20_PANFO273 (PHOTO: ADAM MOERK)



21_PANFO296 (PHOTO: ADAM MOERK)



22_PANFO505 (PHOTO: ADAM MOERK)



23_PANFO129 (PHOTO: ADAM MOERK)



24_PANFO306 (PHOTO: ADAM MOERK)



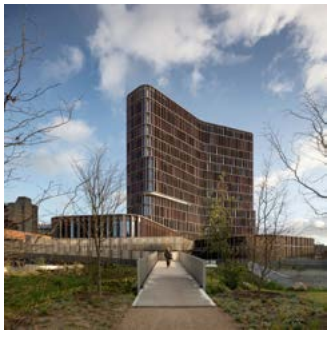
25_PANFO321 (PHOTO: ADAM MOERK)



26_PANFO348 (PHOTO: ADAM MOERK)



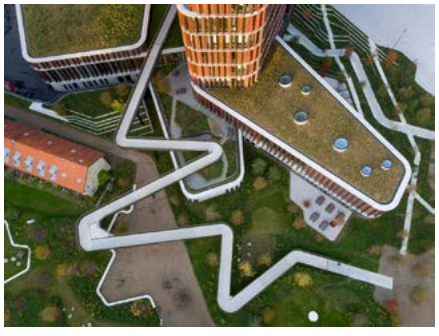
27_PANFO421 (PHOTO: ADAM MOERK)



28_PANFO478 (PHOTO: ADAM MOERK)



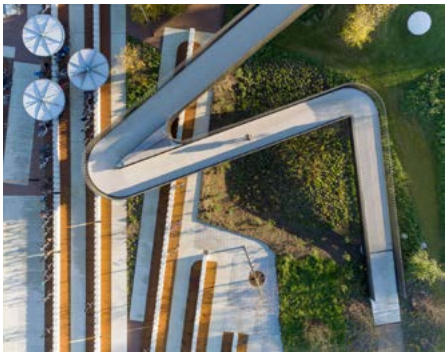
29_PANFO482 (PHOTO: ADAM MOERK)



30_PANFO267 (PHOTO: ADAM MOERK)

CONTACT SHEET

ESSENTIAL IMAGES



31_PANFO277 (PHOTO: ADAM MOERK)



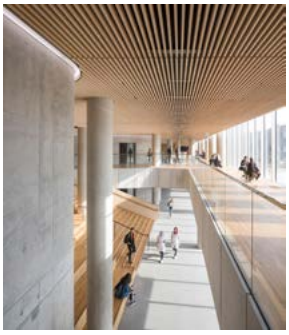
32_PANFO151 (PHOTO: ADAM MOERK)



33_PANFO521 (PHOTO: ADAM MOERK)



34_PANFO162 (PHOTO: ADAM MOERK)



35_PANFO169 (PHOTO: ADAM MOERK)



36_PANFOT63 (PHOTO: ADAM MOERK)



37_PANFO510 (PHOTO: ADAM MOERK)



38_PANFO177 (PHOTO: ADAM MOERK)



39_PANFO183 (PHOTO: ADAM MOERK)



40_PANFO543 (PHOTO: ADAM MOERK)



41_PANFO551 (PHOTO: ADAM MOERK)



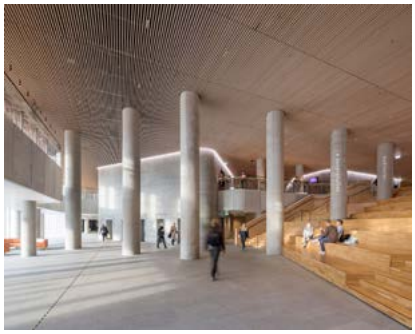
42_PANFO193 (PHOTO: MADS MANDRUP)



43_PANFO533 (PHOTO: ADAM MOERK)

CONTACT SHEET

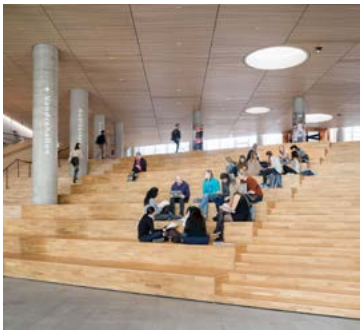
ADDITIONAL IMAGES



44_MAERSK TOWER_PANFO150 (PHOTO: ADAM MOERK)



45_MAERSK TOWER_PANFO168 (PHOTO: ADAM MOERK)



46_MAERSK TOWER_PANFO513 (PHOTO: ADAM MOERK)



47_MAERSK TOWER_PANFO515 (PHOTO: ADAM MOERK)



48_MAERSK TOWER_PANFOT02 (PHOTO: ADAM MOERK)



49_MAERSK TOWER_PANFO464 (PHOTO: ADAM MOERK)



50_MAERSK TOWER_PANFO232 (PHOTO: ADAM MOERK)



51_MAERSK TOWER_PANFO446 (PHOTO: ADAM MOERK)



52_MAERSK TOWER_PANFO206 (PHOTO: MADS MANDRUP)



53_MAERSK TOWER_PANFO252 (PHOTO: ADAM MOERK)



54_MAERSK TOWER_PANFO260 (PHOTO: ADAM MOERK)



55_MAERSK TOWER_PANFO271 (PHOTO: ADAM MOERK)



56_MAERSK TOWER_PANFO276 (PHOTO: ADAM MOERK)



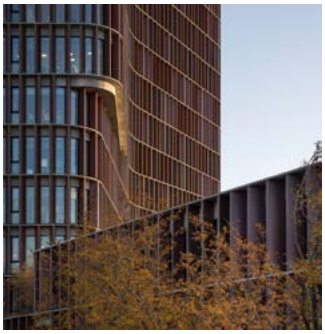
57_MAERSK TOWER_PANFO319 (PHOTO: ADAM MOERK)



58_MAERSK TOWER_PANFO424 (PHOTO: ADAM MOERK)

CONTACT SHEET

ADDITIONAL IMAGES



59_MAERSK TOWER_PANFO468 (PHOTO: ADAM MOERK)



60_MAERSK TOWER_PANFO190 (PHOTO MADS MANDRUP)



61_MAERSK TOWER_PANFO518 (PHOTO: ADAM MOERK)



62_MAERSK TOWER_PANFO538 (PHOTO: ADAM MOERK)



63_MAERSK TOWER_PANFOT90 (PHOTO: ADAM MOERK)



64_MAERSK TOWER_PANFO106 (PHOTO: STAMERS KONTOR)



65_MAERSK TOWER_PANFO184 (PHOTO: ADAM MOERK)

CONTACT SHEET

DRAWINGS



ELEVATION AA 1-200

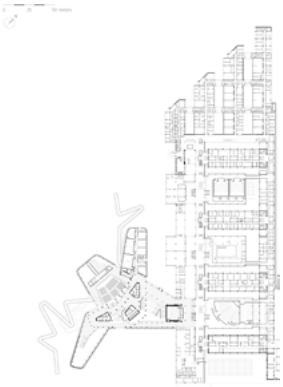
ELEVATION BB 1-200



SECTION AA 1-200



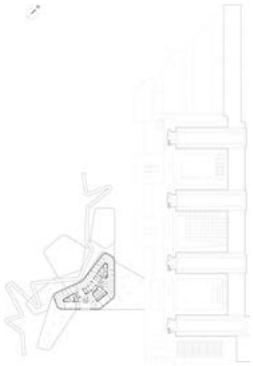
SUSTAINABILITY_SECTION AA 1-200



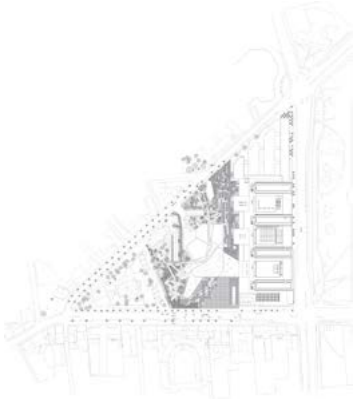
PLAN NIVEAU 01 1-500



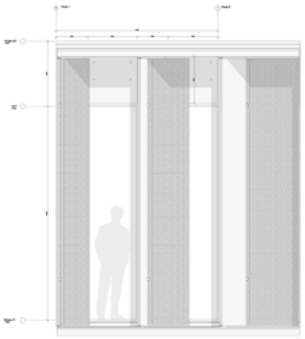
PLAN NIVEAU 01_WITH LANDSCAPE 1-500



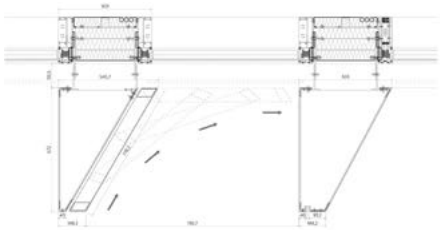
PLAN NIVEAU XX 1-500



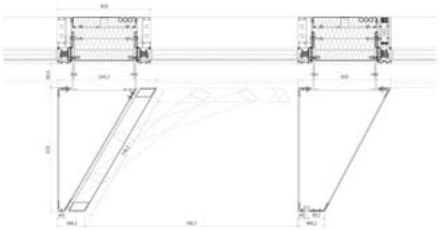
SITEPLAN 1-500



ELEVATION DETAIL_SHUTTERS 1-20_OPEN_TO_CLOSE



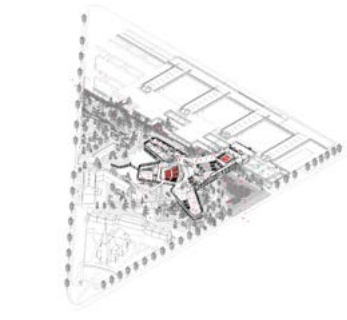
PLAN DETAIL_SLIDING SHUTTERS WITH ARROWS 1-10



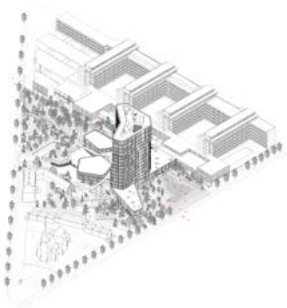
PLAN DETAIL_SLIDING SHUTTERS WITHOUT ARROWS 1-10



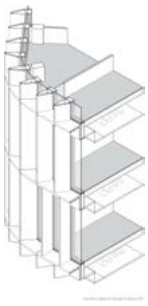
SECTION DETAIL_SHUTTERS 1-20



ISOMETRIC DRAWING BASE LEVEL



ISOMETRIC DRAWING TOWER LEVEL



ISOMETRIC FACADE DETAIL 1-50



C.F. Møller Architects is owned by a partner group consisting of Mårten Leringe, Julian Weyer, Michael Kruse, Lone Wiggers, Christian Dahle, Mads Mandrup Hansen, Klaus Toustrup, Tom Danielsen and Klavs Hyttel.

PROFILE

C.F. Møller is one of Scandinavia's leading architectural firms; with 90 years of award winning work in the Nordics and worldwide.

Simplicity, clarity and unpretentiousness, the ideals that have guided our work since the practice was established in 1924, are continually re-interpreted to suit individual projects, always site-specific and combined with sustainable, innovative and socially responsible design solutions.

Over the years, we have won a large number of national and international competitions and major architectural awards. Our work has been on show at architectural exhibitions all over the world as well as published in books and leading professional journals.

With our integrated design approach which seamlessly blends urban design, landscape, building design and building component design, C.F. Møller has received much acclaim for international projects of reference like the unique University Campus in Aarhus, the National Gallery in Copenhagen, the Darwin Centre at the Museum of Natural History in London, the Akershus University Hospital in Oslo, the 2012 Olympics' Athletes Village in London and many others.

We have a strong tradition for social and environmental responsibility in a democratic architecture accessible to all. We regard resource-consciousness, healthy project finances and good craftsmanship as essential elements in our work, all the way from master plans to the design of components.

Today C.F. Møller has app. 350 employees. Our head office is in Aarhus, Denmark and we have branches in Copenhagen, Aalborg, Oslo, Stockholm and London.

See more at www.cfmoller.com

C.F. Møller



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