

"CENTRE OF HERITAGE, ARTS,
AND TEXTILE (CHAT)"
USER GUIDE

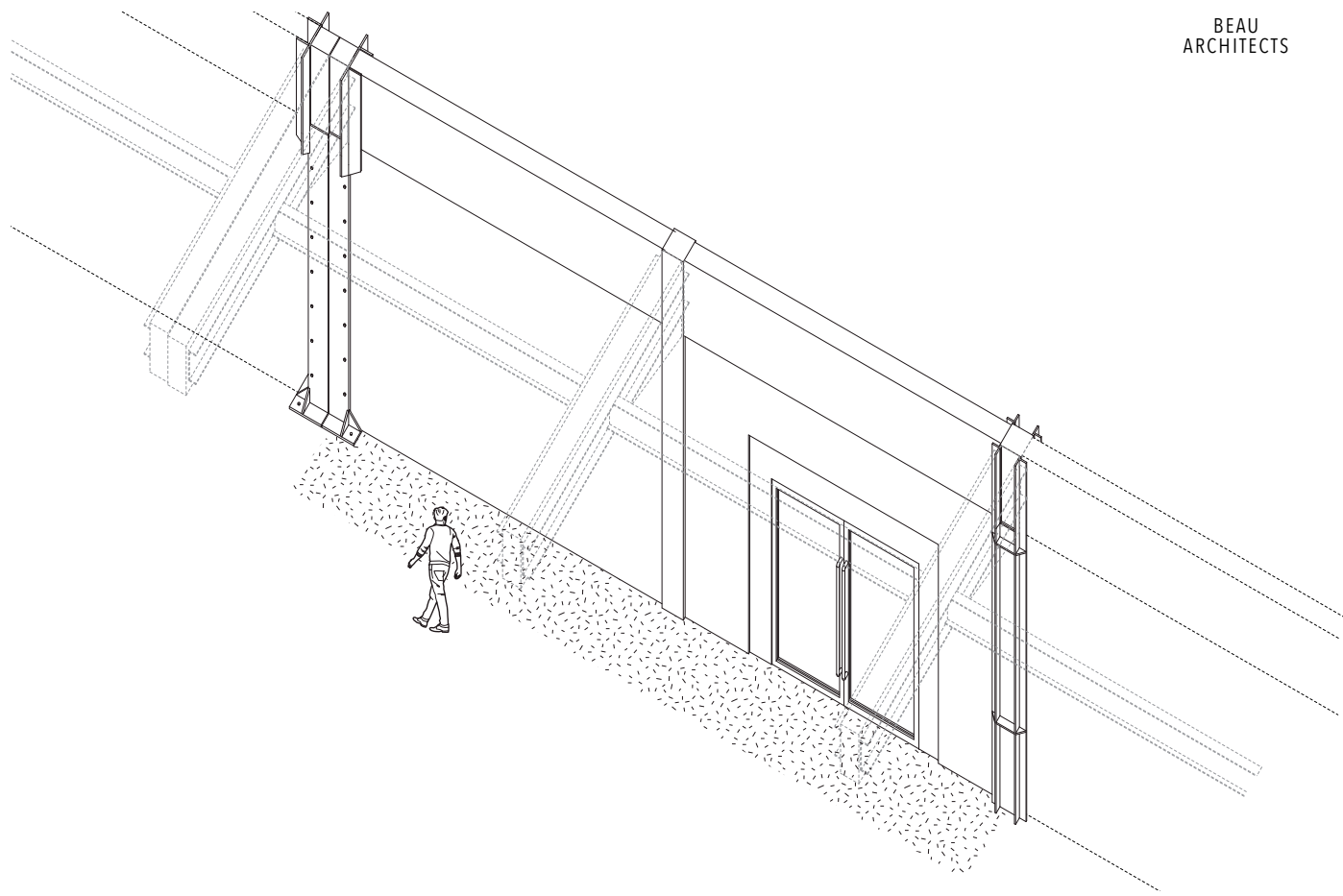


IMAGE 1. PLACING WALLS INBETWEEN COLUMNS



IMAGE 2. TECHNICAL GRID

A PRACTICE OF PRAGMATISM

How do we situate a contemporary art space in a new retail hub that was once a textile mill? The Centre of Heritage, Arts, and Textile (CHAT) addresses this question pragmatically by stripping the space away from these historical and newfound, programmatic conflicts. It confronts its concrete reality (literally and metaphorically) – as a preexisting space, with structure, an external envelope, traces of wear and tear through the years, marks from new renovations, and new structures to reinforce the old ones.

The project respects the history of the building by working with its underlying structure and accepting it as is; there is no attempt to hide or blur the boundaries between new and old. The new elements are white, to demarcate the gallery functions. The old elements remain as is and is patched where necessary, to expose the traces of the past and present. The given are left as required, to give external unity to the retail hub the context will become.

Inside CHAT are 3 exhibition spaces formed by reacting to the existing structural grid. The walls are placed between 2 columns and under existing beams to build up the space. The exhibition spaces themselves have different relationship with the existing, providing distinct spaces.

Gallery 1, houses the permanent exhibit where historical machines are situated, it embraces the natural light, structural grid, and exterior walls. Gallery 2, the largest of the 3, is intended mainly for large art exhibitions, it also begins to neutralize the existing elements, where only columns remain. Finally, Gallery 3 is a multimedia function room, where all existing elements are neutralized.

In Gallery 1 and 2, pragmatism is applied once again. A technical grid is hung respectively due

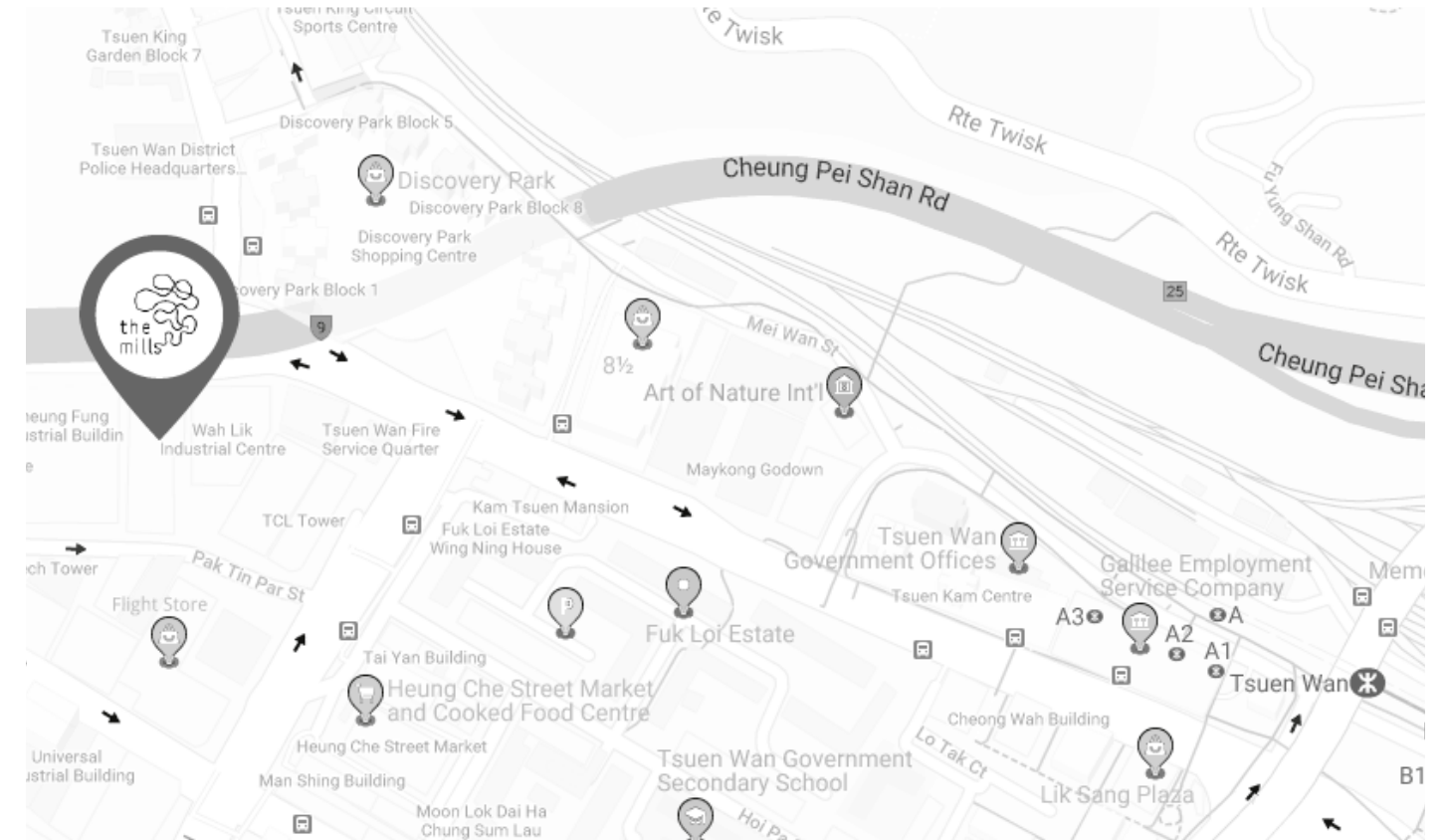
to necessity rather than effect. The technical grid is located at a constant 3.450m above the finish floor. It is offset at 1.200 – 1.500m, which is the optimum distance for spotlight projection on wall surfaces, away from the walls to form a rectangle. The rectangle consists of square grids at 3.000 x 3.000m each, where light tracks lie. They are then subdivided in half to create squares of 1.500 x 1.500m with a round profile for objects to be hung from. They physically signify the position for which walls and objects can be located. This 1.500m distance from spotlight to display surface again lies within the optimum range for spotlight projection. The grids are further subdivided into halves, this time making squares of 0.750 x 0.750m. On these squares long LED tubes are placed for the general lighting. When the grid is intersecting an existing column, an empty cell is placed around the column. A slight pause, then the continuous grid restarts.

The CHAT Gallery is a project that utilizes pragmatism as a generative tool. The spaces are formed through reacting to the given context, both old and new. It is a practice of acceptance rather than rejection, and reaction rather than imposition.

01.LOCATION

The gallery is located in Tsuen Wan, opposite Discovery Park.

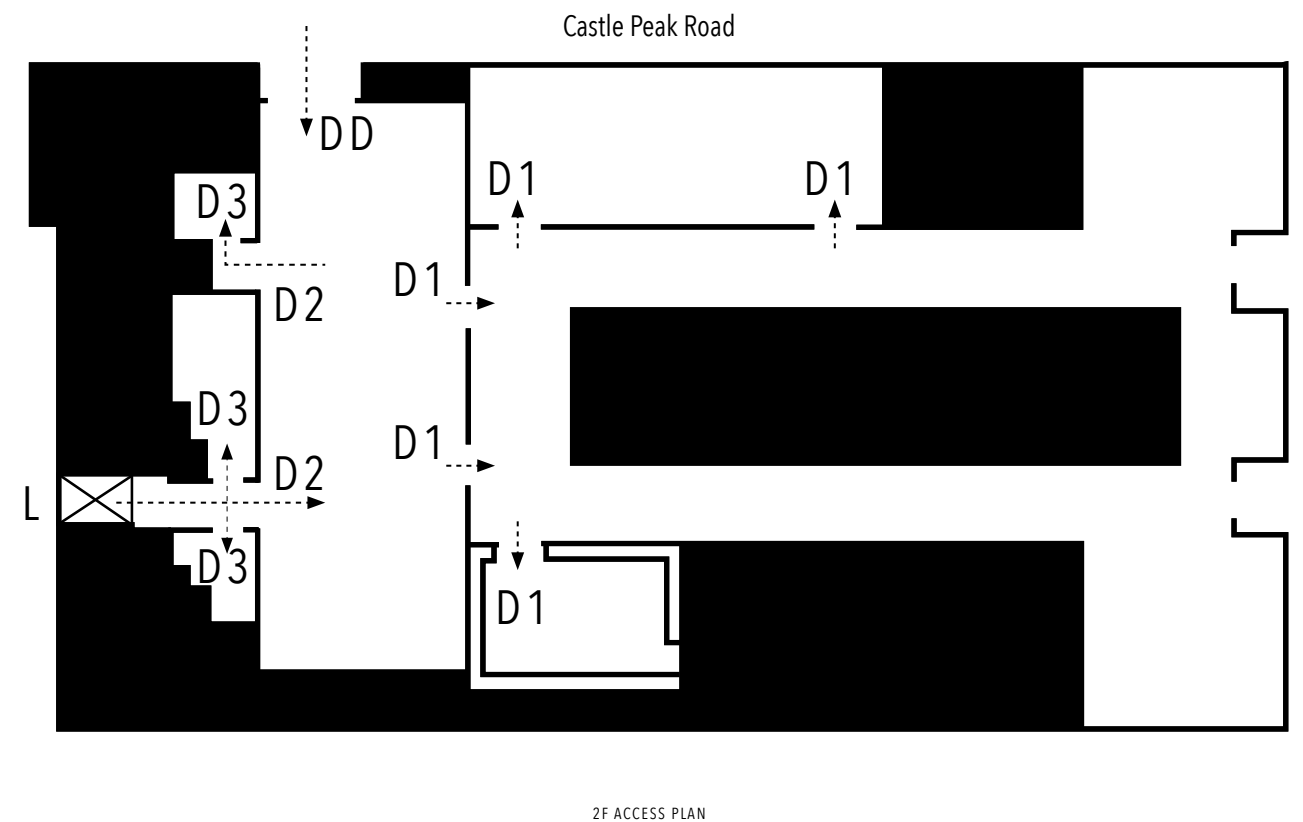
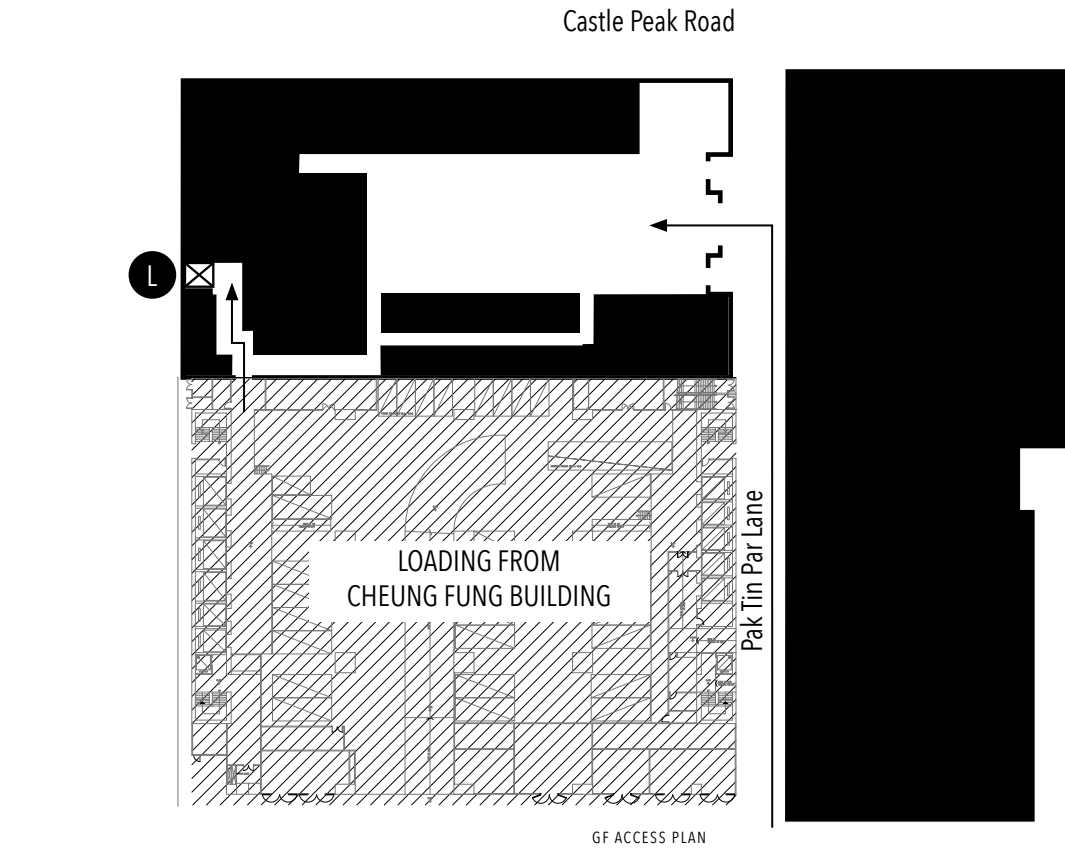
Address:
G/F Room G01A and 2/F, Mill 6
The Mills
45 Pak Tin Par Street,
Tsuen Wan
New Territories, Hong Kong

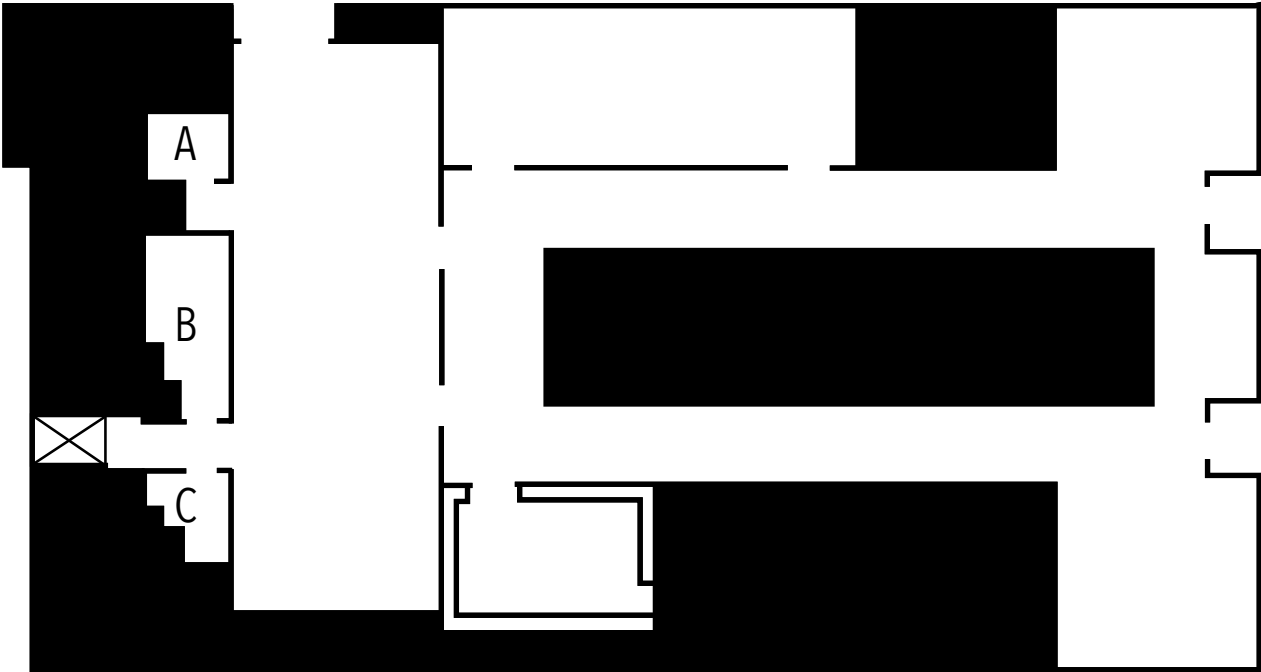


02.ACCESS

The gallery delivery routes and clearance dimensions as following:

- | | |
|--|---|
| <p>D1.
Gallery door
Door Clearance(mm) = 2.400 (W) x 2.400 (H)</p> | <p>S.
Staircase from delivery route on G/F.
Flight (mm) = 0.000 (W) x 0.000 (H)</p> |
| <p>D2.
Gallery door to back of house
Door Clearance (mm) = 2.520 (W) x 2.400 (H)</p> | <p>DD.
Hoisted from Castle Peak Road though gallery 2 delivery door
Door clearance (mm) = 4.100 (W) x 2.740 (H)</p> |
| <p>D3.
Storage door
Door Clearance(mm) = 1.560 (W) x 2.200 (H)</p> | |
| <p>L.
Lift (M6-L3) from loading bay at Mill6 G/F.
Entrance (mm) = 1.600 (W) x 2.600 (H)
Car (mm) = 1.950 (W) x 2.850 (H) x 1.875 (D)</p> | |





FLOOR PLAN

03.STORAGE

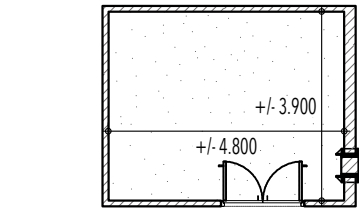
The size of Storage Room A is 19 SqM (3.900M X 4.800M).

The size of Storage Room B is 45 SqM (10.600M X 4.800M).

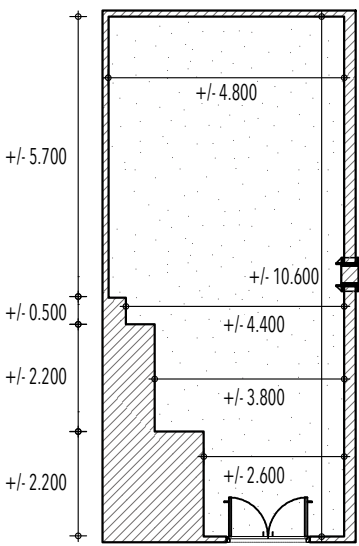
The size of Storage Room C is 20 SqM (5.200M X 4.800M).

Height under grid is 3.000M

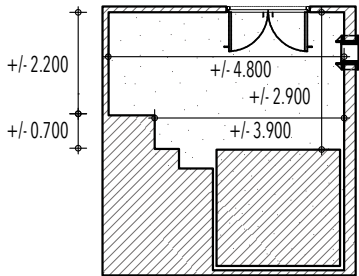
Colour ref.: DULUX FROST GREY 30GG 52/011



STORAGE ROOM A



STORAGE ROOM B



STORAGE ROOM C

FLOOR PLAN



04.GALLERY 1

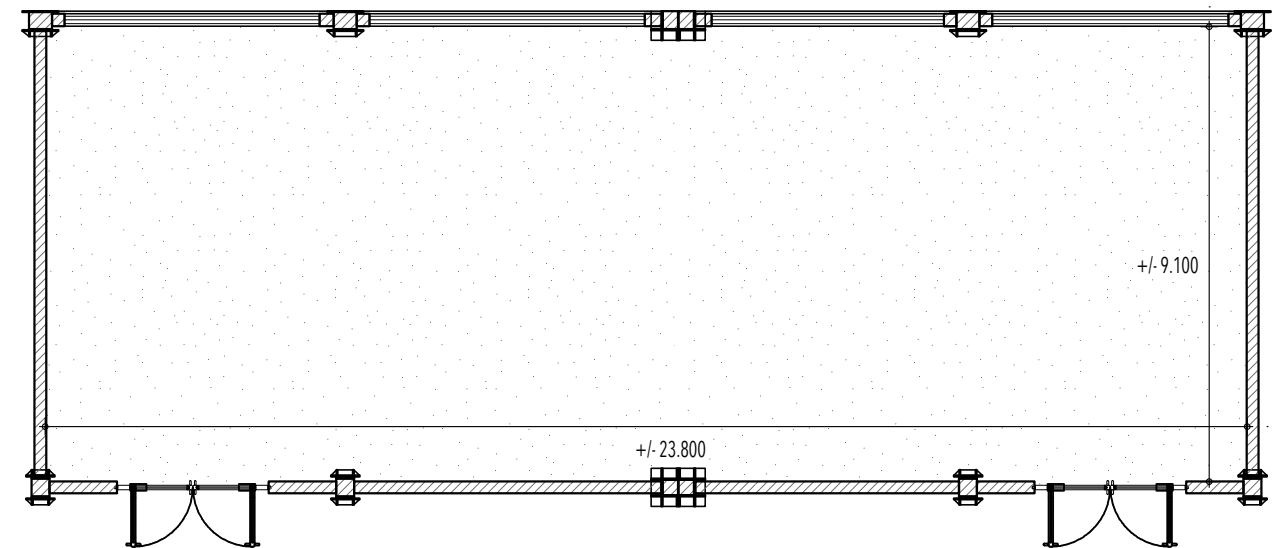
The gallery is 214 SqM (23.800M X 9.100M). It house the permanent collection of CHAT. The floor is a light grey poured KCF floor, with a sealer. The walls are white and placed in between columns to reveal the existing columns. The original external wall is exposed in the interior, with high windows to allow for natural light to enter the space. A Technical Grid is hung at 3.450M. It houses the general uniform lighting, the tracklights for Erco spotlights, and round tubes of dia. 48MM to allow for suspension (refer to Section 08. for more information on the Technical Grid). The flexible wall system from the Kunstmuseum Wolfsburg can be employed in this space to allow for temporary partitions and rooms for exhibitions (refer to Section 09. for installation details of the wall system).

General Information:

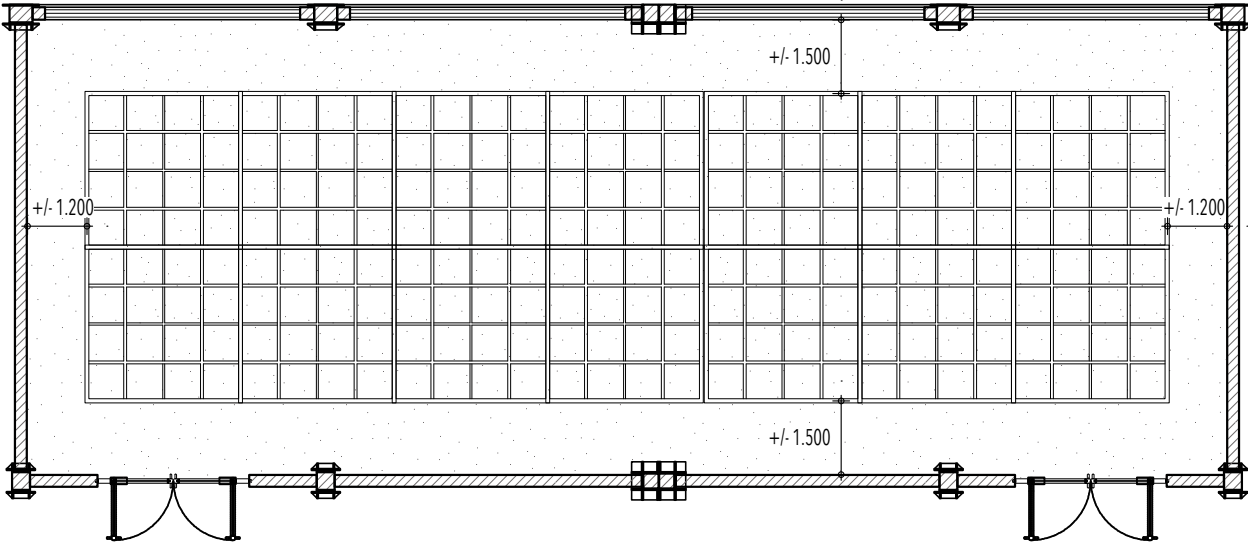
Area: 214 SqM (23.800M X 9.100M)

Height under grid: 3.450M

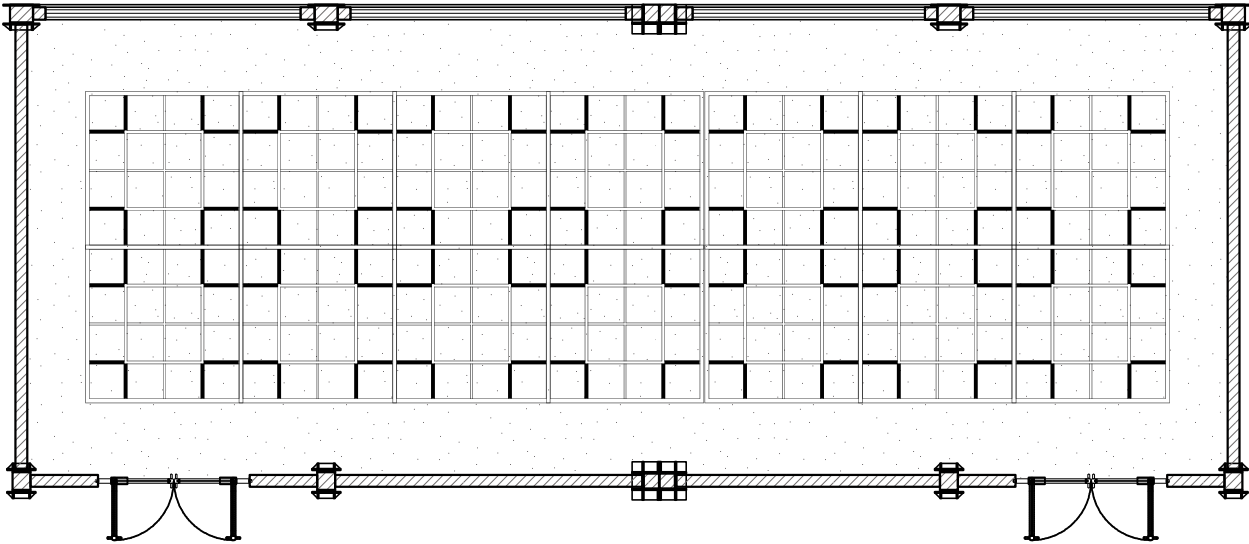
Colour ref.: DULUX WHITE



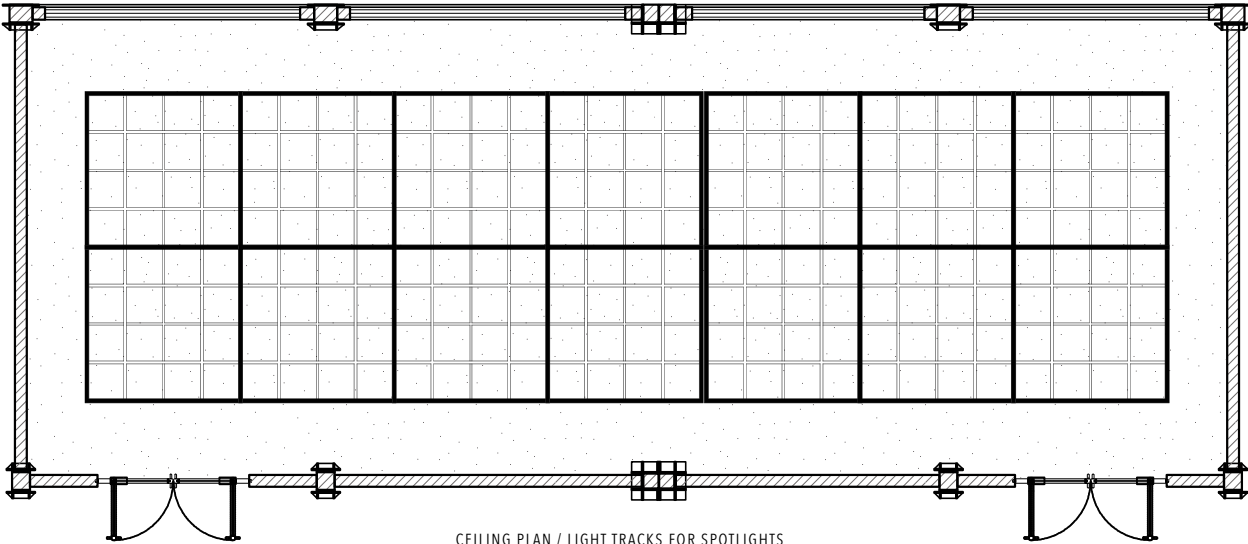
FLOOR PLAN



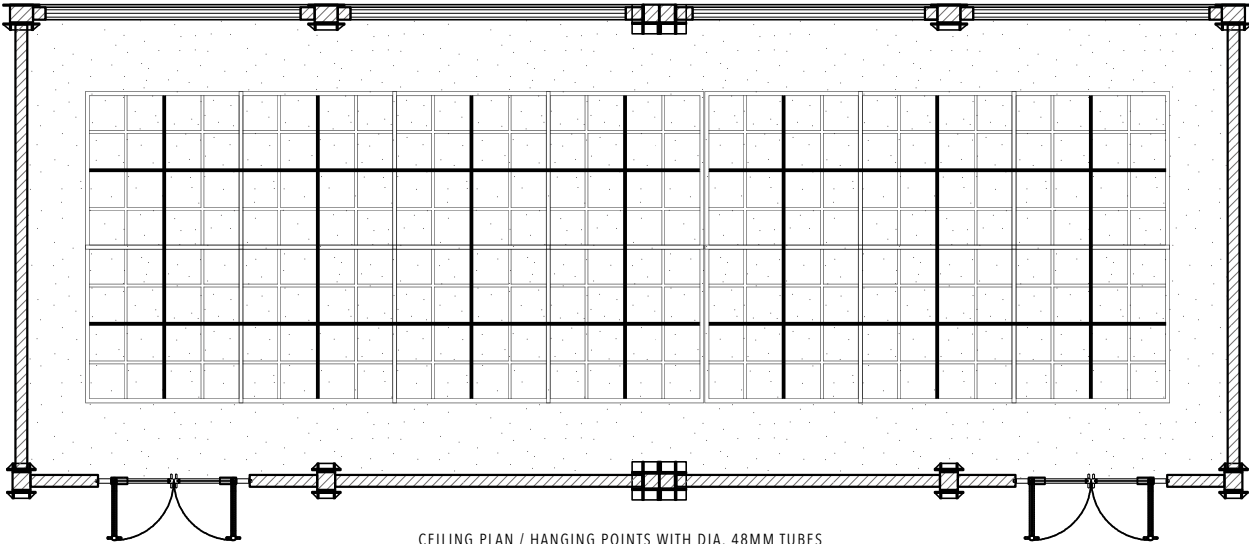
CEILING PLAN / TECHNICAL GRID



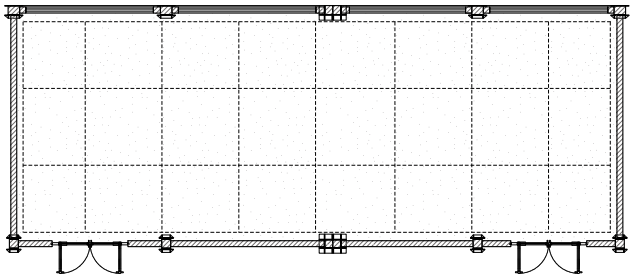
CEILING PLAN / UNIFORM GENERAL LIGHTING FOR LED LIGHT TUBES



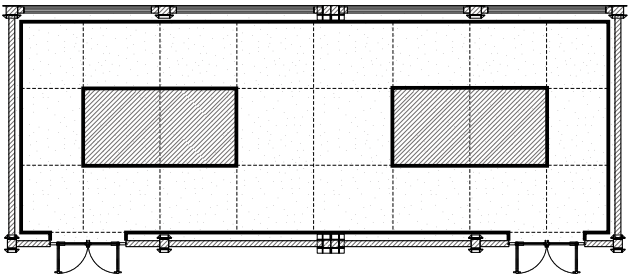
CEILING PLAN / LIGHT TRACKS FOR SPOTLIGHTS



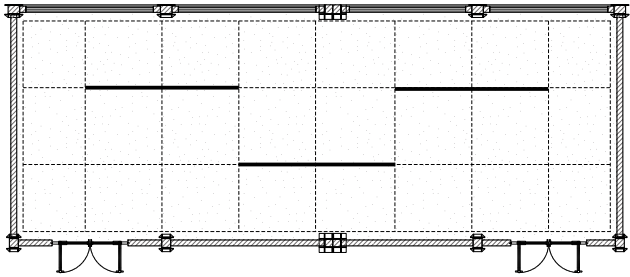
CEILING PLAN / HANGING POINTS WITH DIA. 48MM TUBES



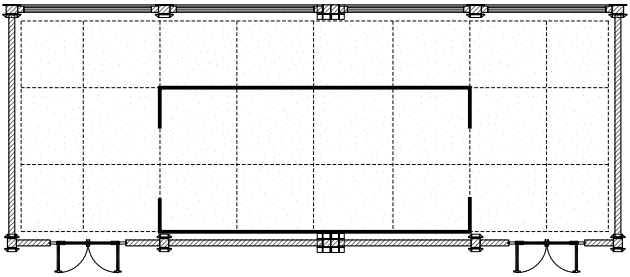
AS IS



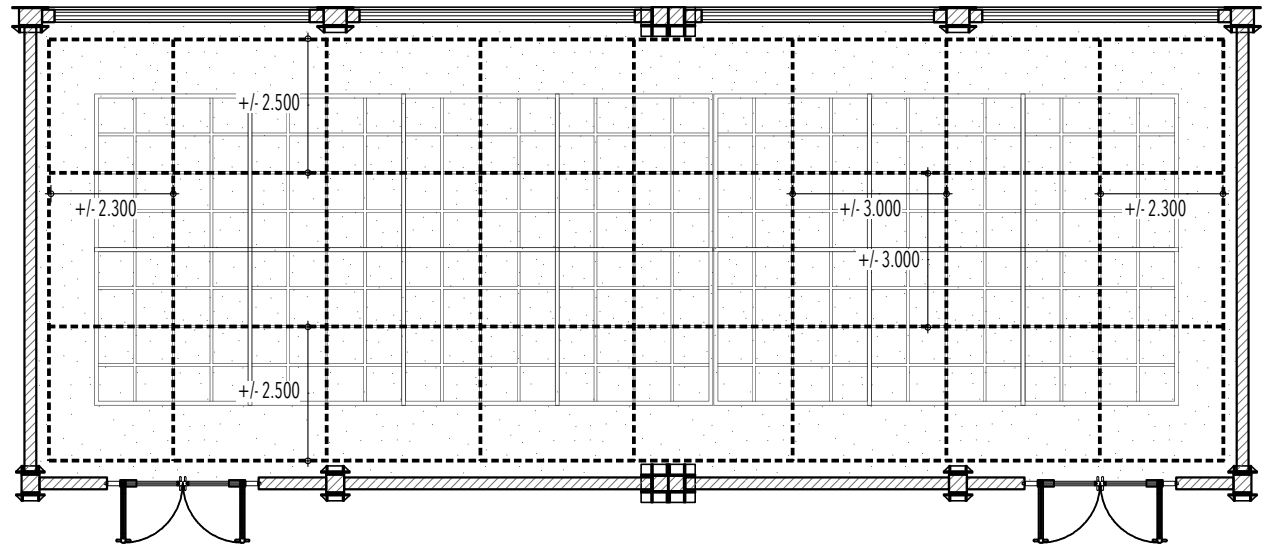
NEUTRALISE EVERYTHING



SLIDING PLANES

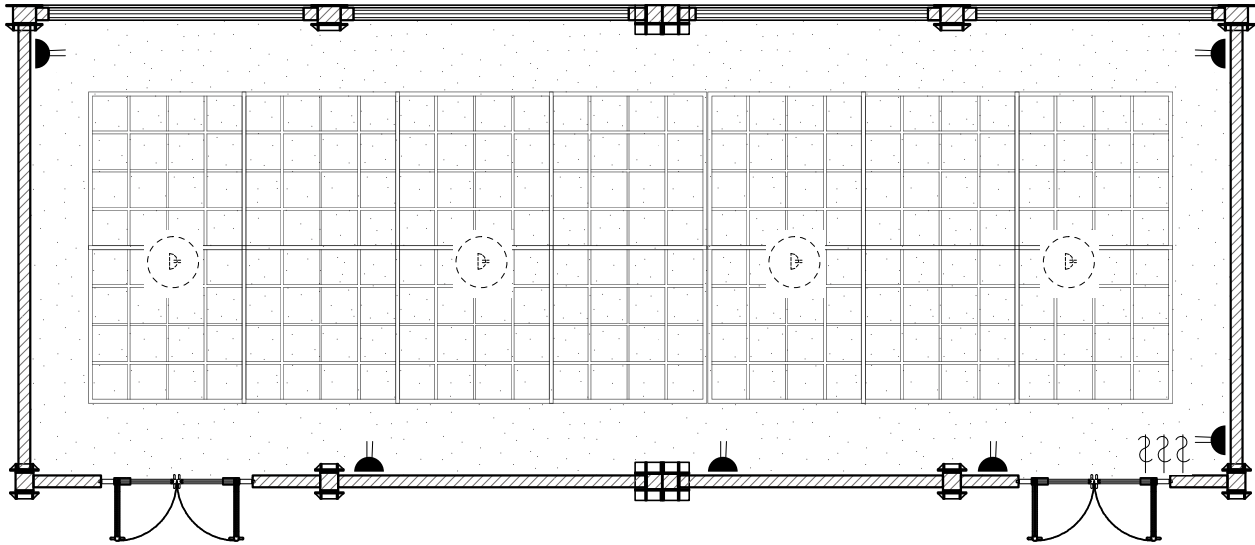


BIG ROOM



----- IDEAL WALL LOCATION

IDEAL WALL LOCATIONS



WALL MOUNTED PLUG

CEILING MOUNTED PLUG

SWITCH

LIGHTING CONTROL

ELECTRICAL PLAN



05. GALLERY 2

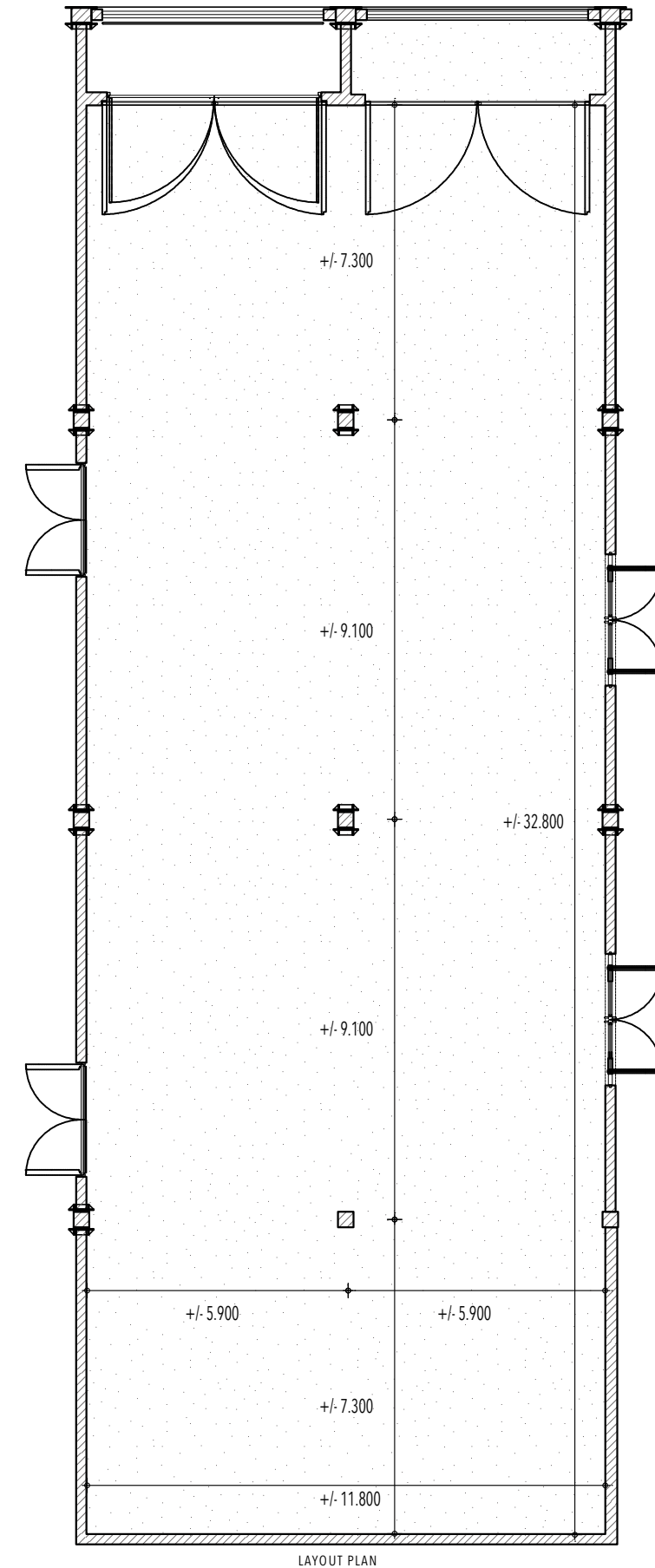
The gallery is 388 SqM (11.800M X 32.800M). It is the largest gallery space in CHAT. The floor is a light grey poured KCF floor, with a sealer. The walls are white and placed in between columns to reveal the existing columns. Original columns float in the space, to further demarcate the space into 3 areas. A Technical Grid is hung at 3.450M. It houses the general uniform lighting, the tracklights for Erco spotlights, and round tubes of dia. 48MM to allow for suspension (refer to Section 08. for more information on the Technical Grid). The flexible wall system from the Kunstmuseum Wolfsburg can be employed in this space to allow for temporary partitions and rooms for exhibitions (refer to Section 09. for installation details of the wall system). A large delivery door (see Section 02. Access) is located towards Castle Peak Road to allow for large objects to be hoisted from below into the gallery.

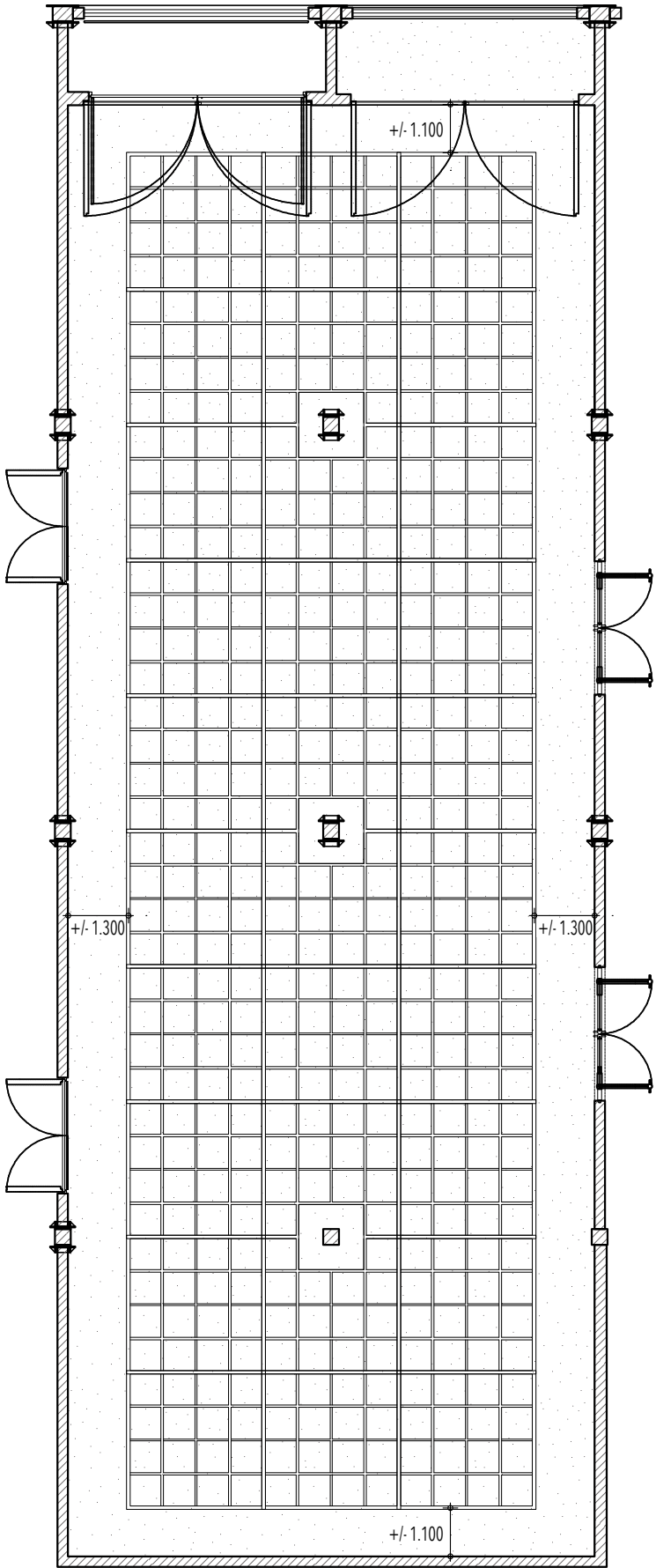
General Information:

Area: 388 SqM (11.800M X 32.800M).

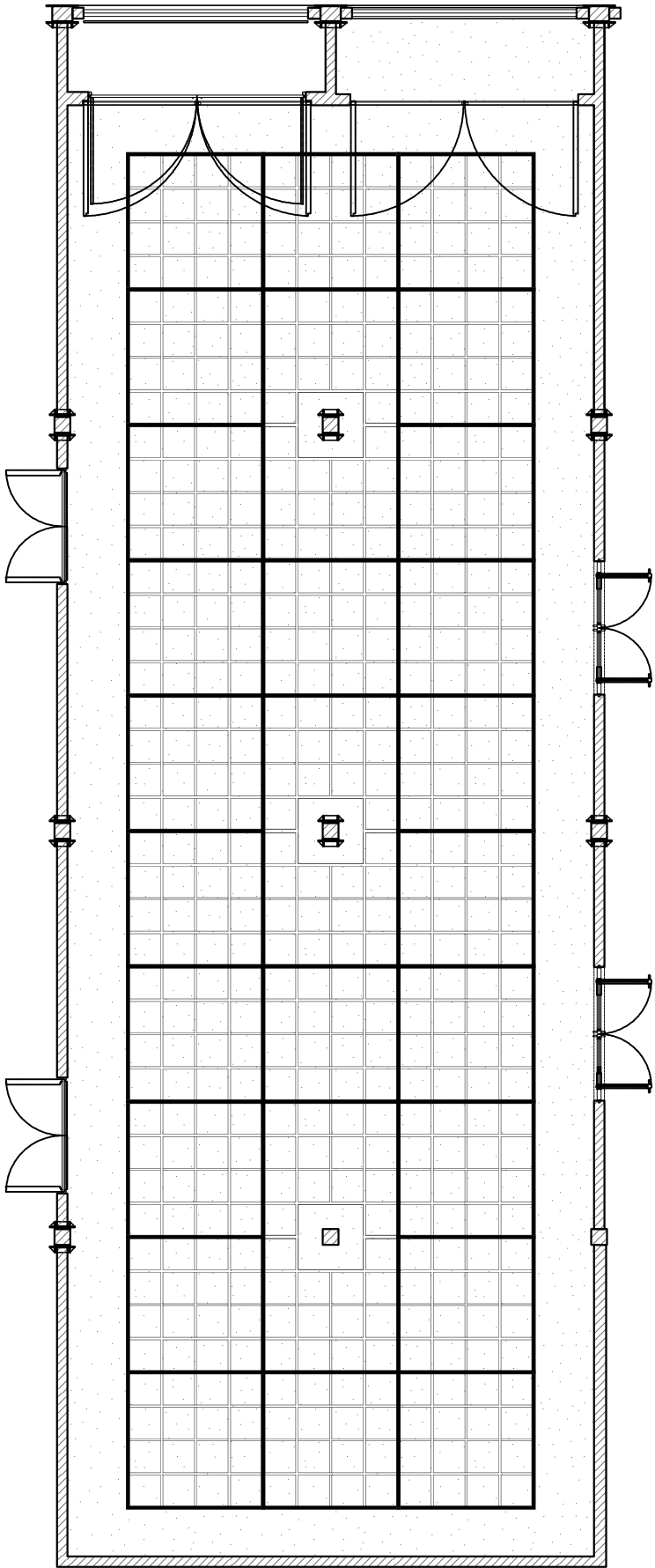
Height under grid: 3.450M

Colour ref.: DULUX WHITE

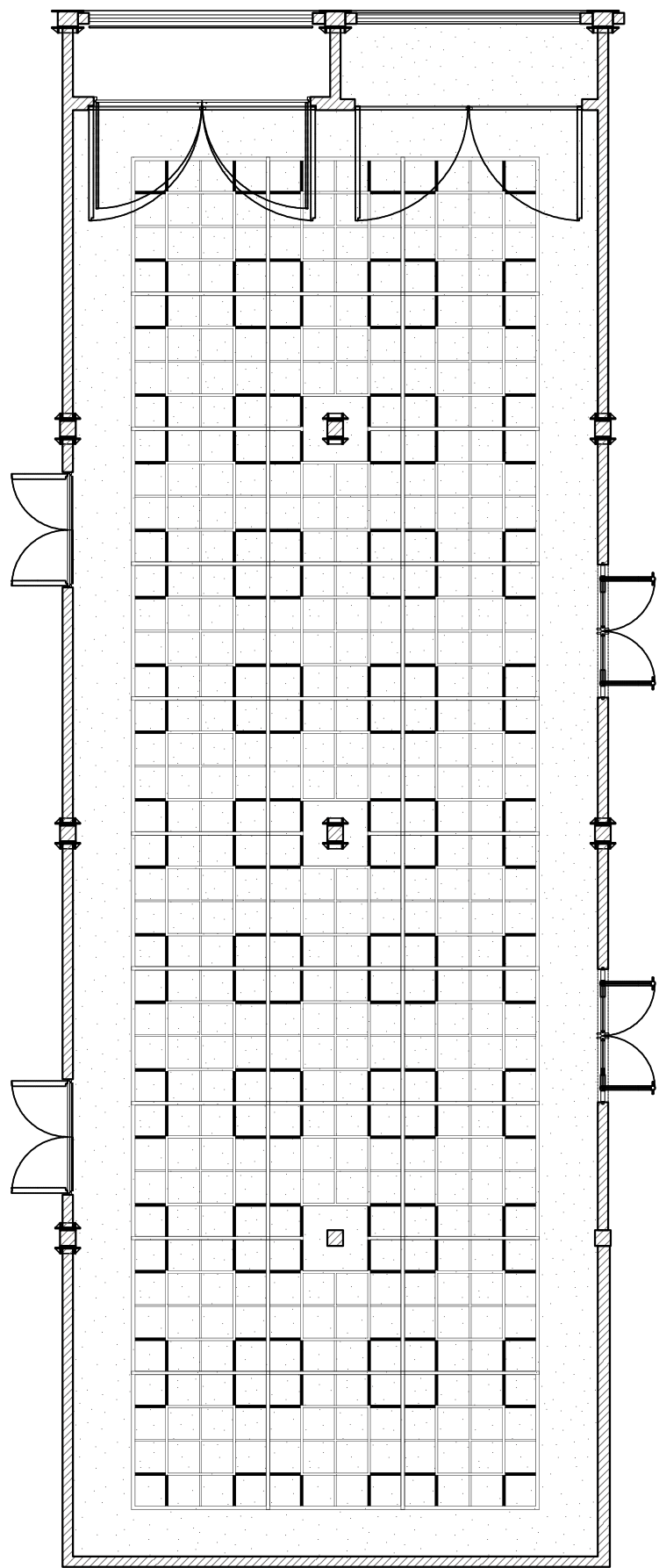




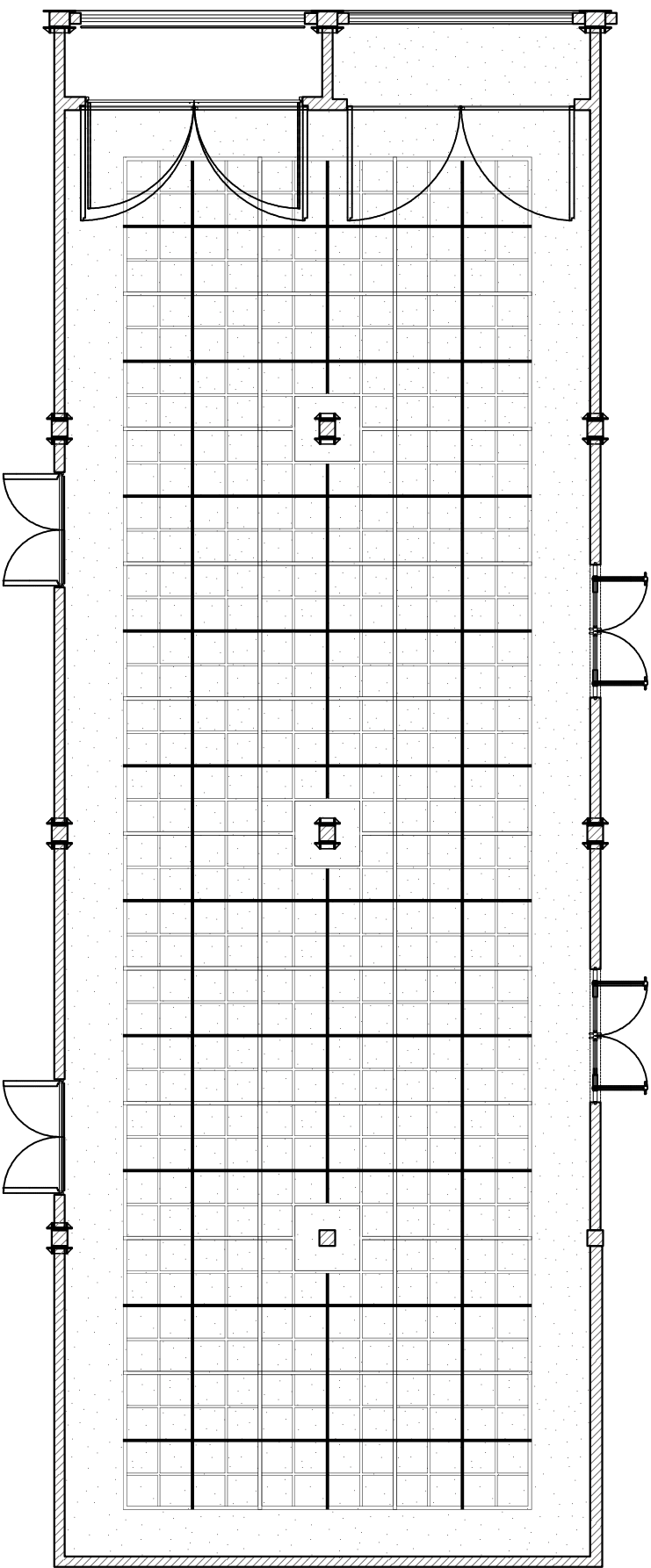
CEILING PLAN / TECHNICAL GRID



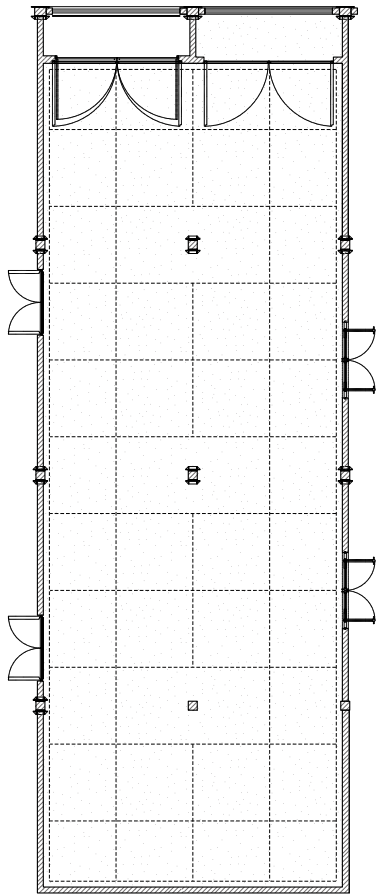
CEILING PLAN / LIGHT TRACKS FOR SPOTLIGHTS



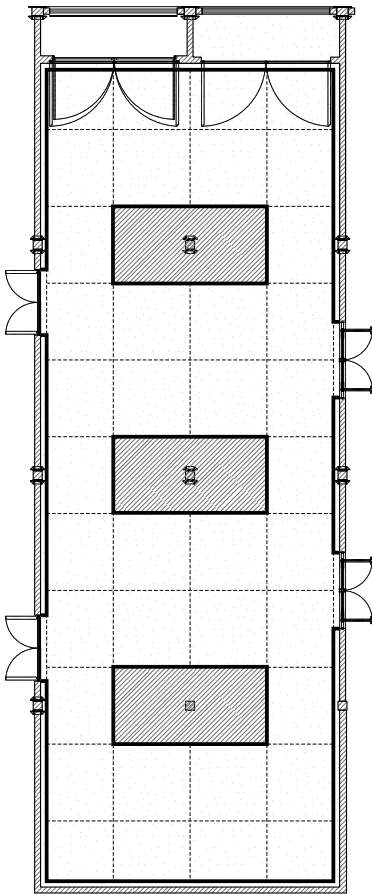
CEILING PLAN / UNIFORM GENERAL LIGHTING FOR SPOTLIGHTS



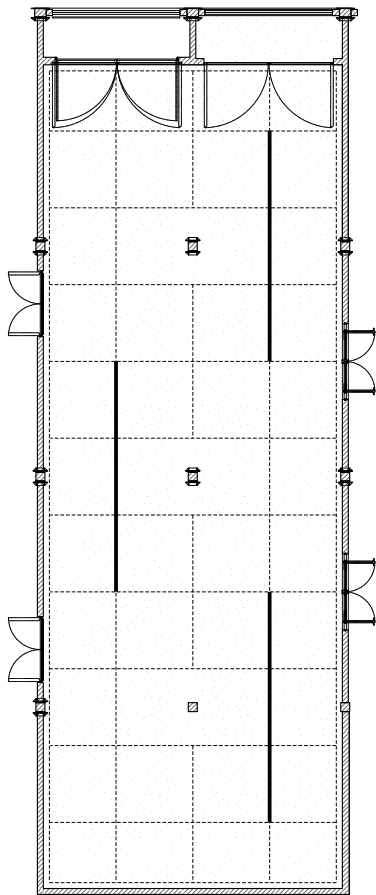
CEILING PLAN / HANGING POINTS WITH DIA. 45MM TUBES



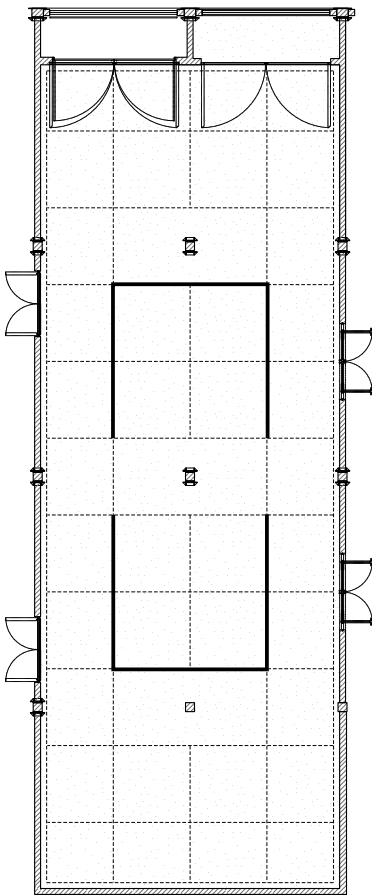
AS IS



NEUTRALISE EVERYTHING

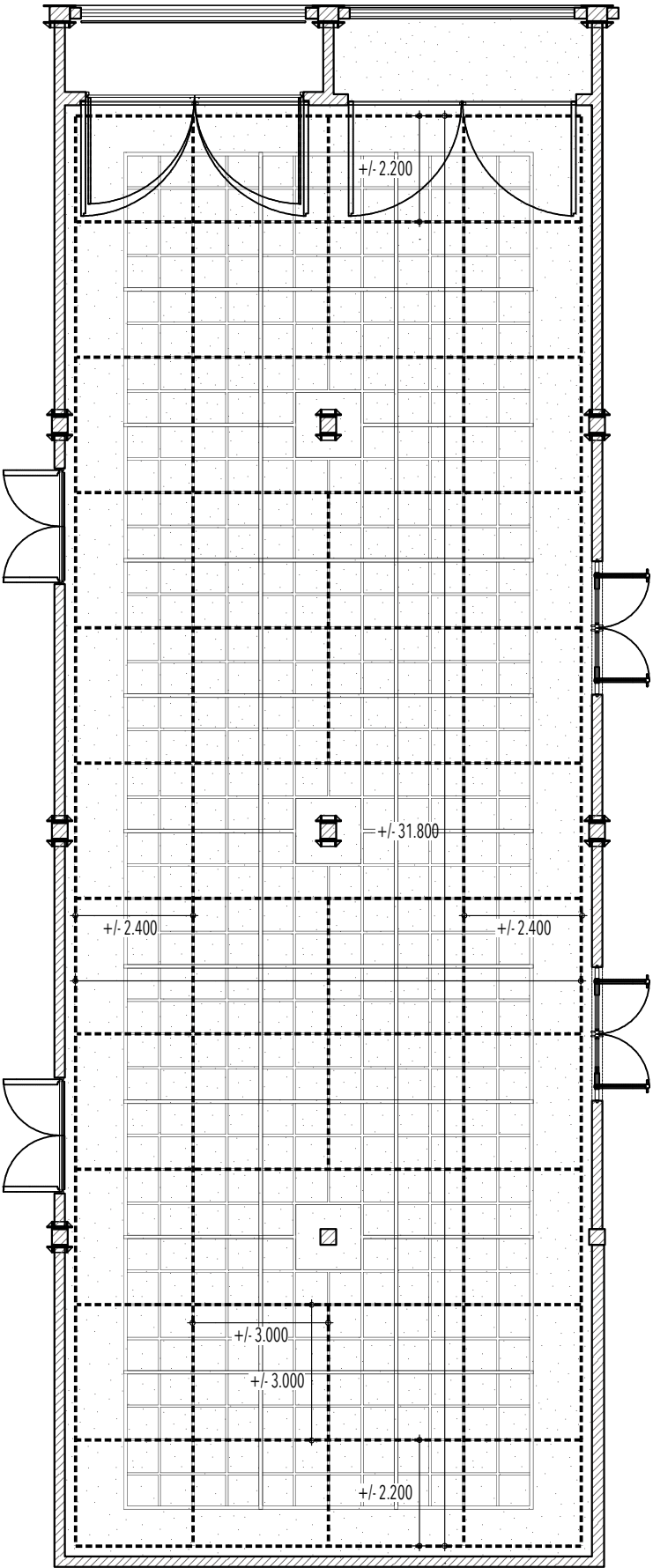


SLIDING PLANES



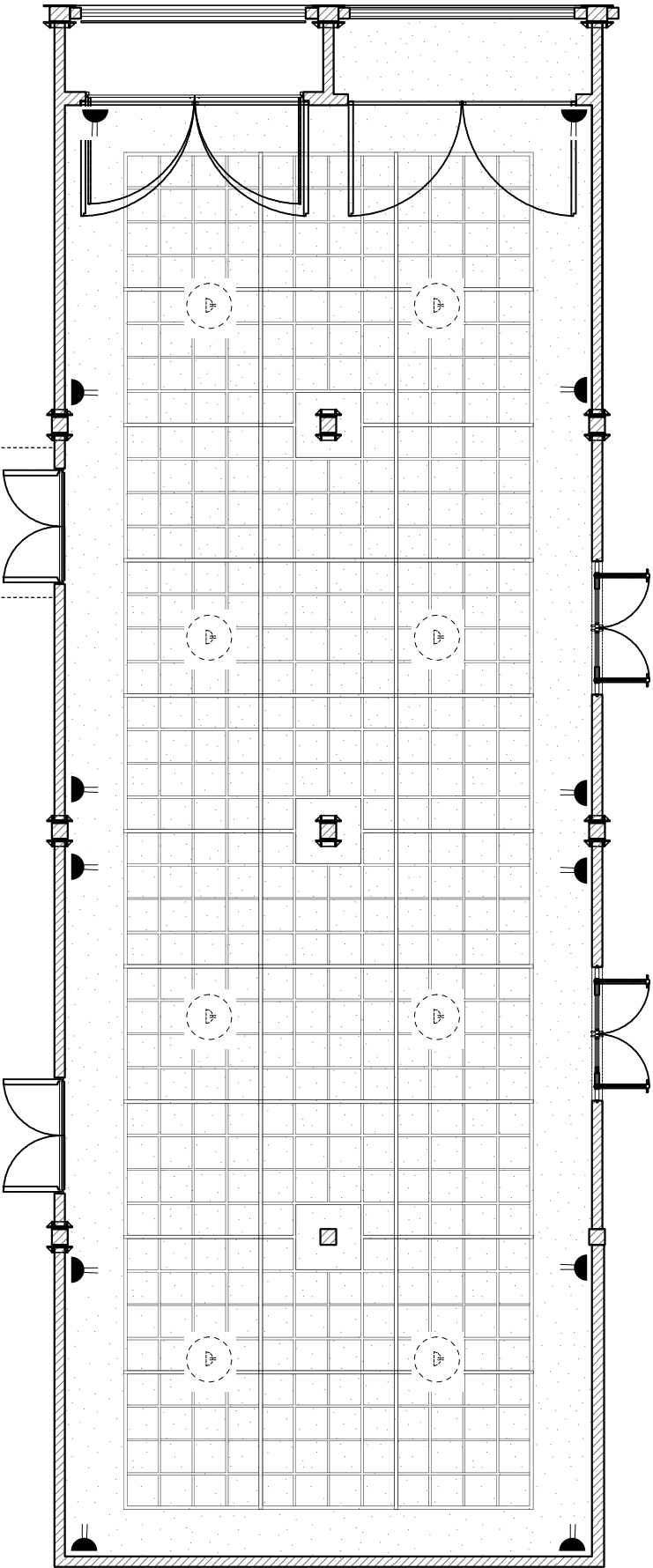
BIG ROOM

----- IDEAL WALL LOCATION



IDEAL WALL LOCATIONS

- WALL MOUNTED PLUG
- CEILING MOUNTED PLUG
- SWITCH
- LIGHTING CONTROL





06.GALLERY 3

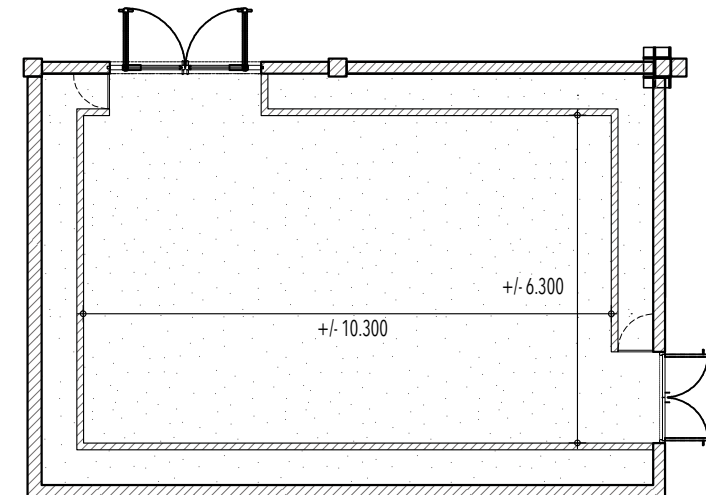
The gallery is 100 SqM (10.300M X 6.300M). It is a designated projection and dark room of CHAT, it is also a neutral space with all columns and heritage elements hidden, with only clean walls and a false ceiling at 3.150M. The floor is a dark grey poured KCF floor, with a sealer. The walls are dark grey and with a technical corridor, inside this corridor lies electrical and data points. The ceiling houses the general uniform lighting, light tracks for spotlights, and a track for a hanger, to allow for clip on projectors and or other objects (see Section 07. Hanger for Track). The flexible wall system from the Kunstmuseum Wolfsburg can be employed in this space to allow for temporary partitions and rooms for exhibitions (refer to Section 09. for installation details of the wall system).

General Information:

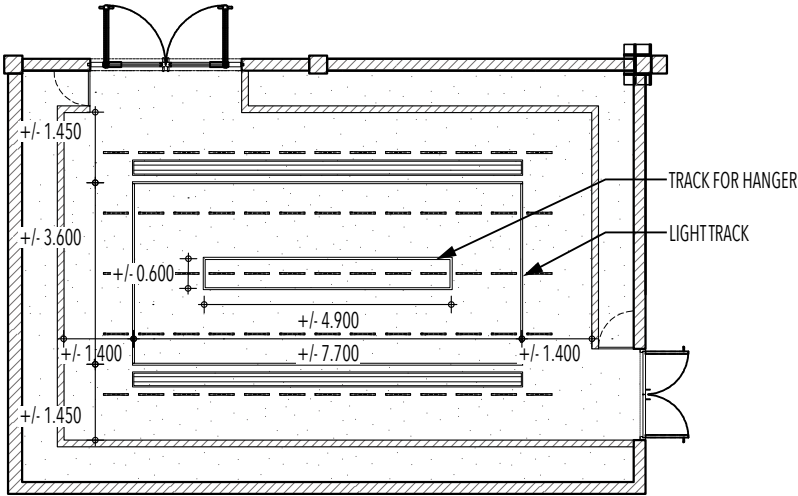
Area: 100 SqM (10.300M X 6.300M)

Height under ceiling: 3.150M

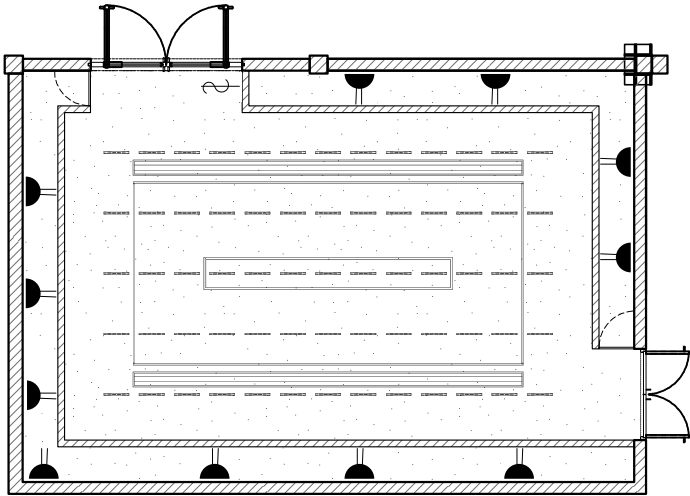
Colour ref.: DULUX OBSIDIAN GLASS 00NN 13/000



LAYOUT PLAN



CEILING PLAN

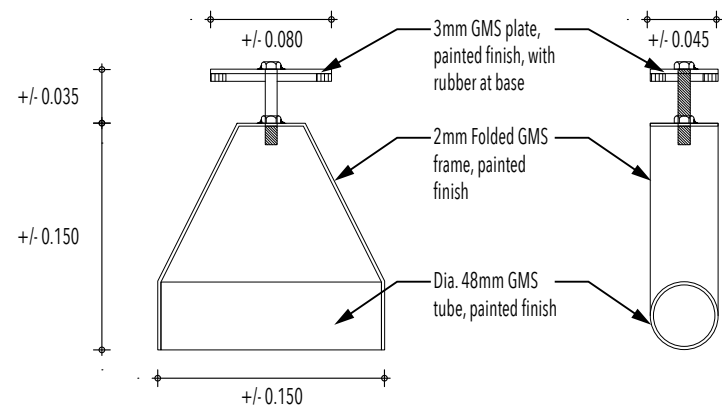


ELECTRICAL PLAN

WALL MOUNTED PLUG

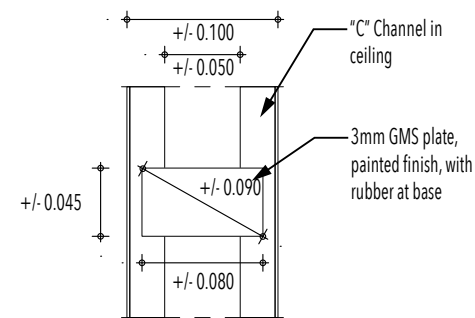
SWITCH

LIGHTING CONTROL



1. FRONT ELEVATION

2. SIDE SECTION

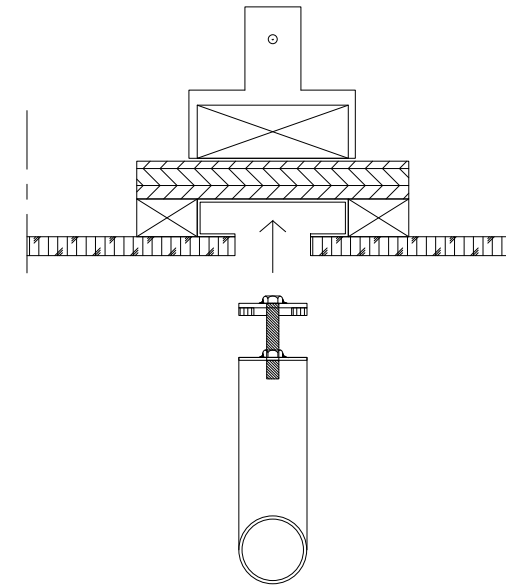


3. PLAN IN-SITU

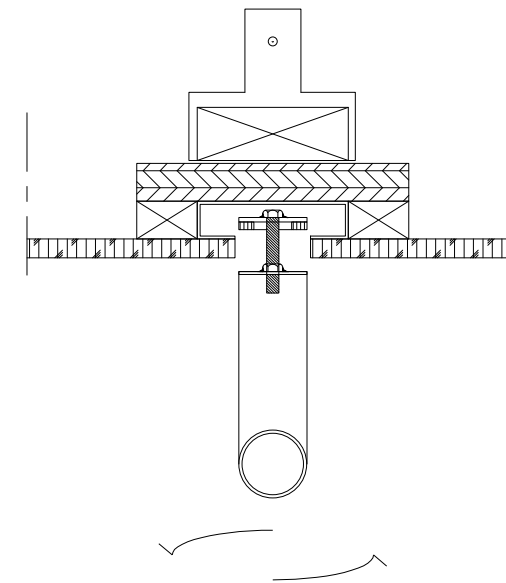
07. HANGER FOR TRACK

The Hanger for Track is designed to be inserted into the track in Gallery 3. It suspends a 150MM long dia. 48MM tube to match the tube profiles in the technical grid (see Section 08. Technical Grid). This allows for a projector mount or any other foreseeable fixtures, designed to be clipped onto the technical grid, to be compatible with the hanger for Gallery 3. The fixture is designed to allow for 180 degree rotation, to allow for maximum orientation.

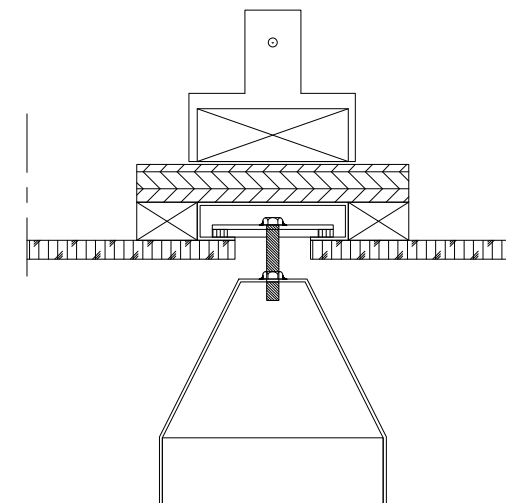
The base colour should match that of Gallery 3, that is, DULUX OBSIDIAN GLASS 00NN 13/000. The colour can be repainted to match the walls according to exhibition needs.



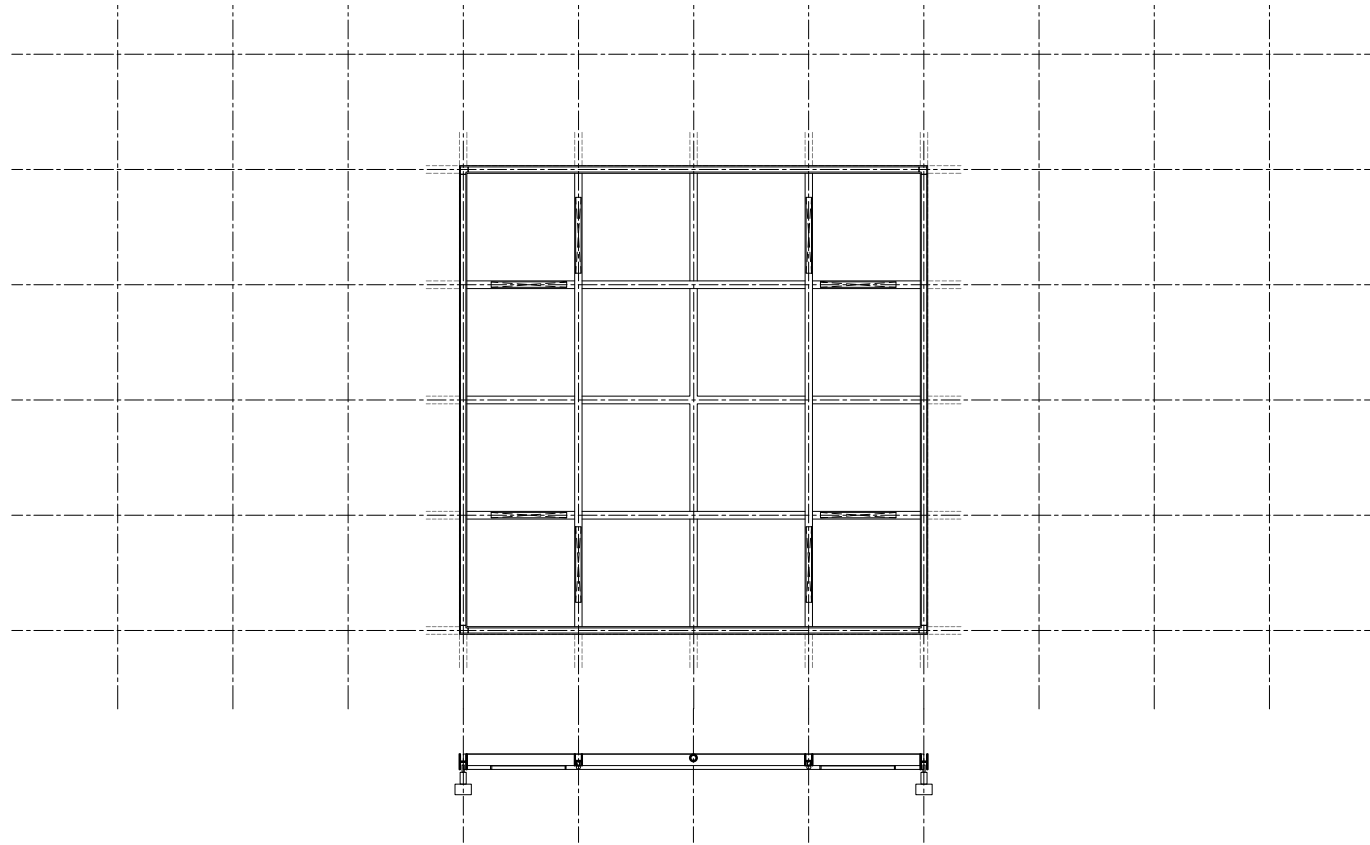
1. PLUG HANGER INTO TRACK



2. ROTATE HANGER



3. CLIP ON PROJECTOR MOUNT



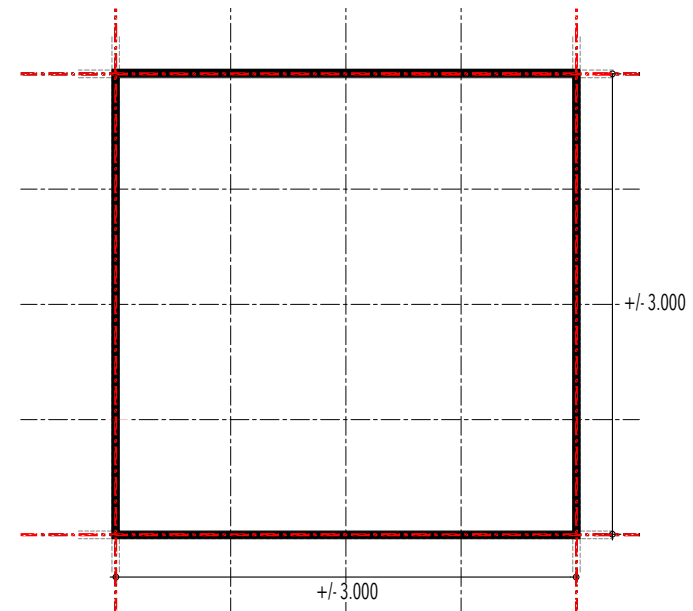
08. TECHNICAL GRID

Transversely located in between the posts (1.5 metre away from potential display), the lighting grid is supporting a regular pattern of non-dimmable T5 fluorescent light-tubes embedded within a 80x80x6.000mm stainless steel U channel. The level of the lighting grid is 3.400mm from the floor, hence 100mm above the vertical display maximum height and below all building services (see page 17).

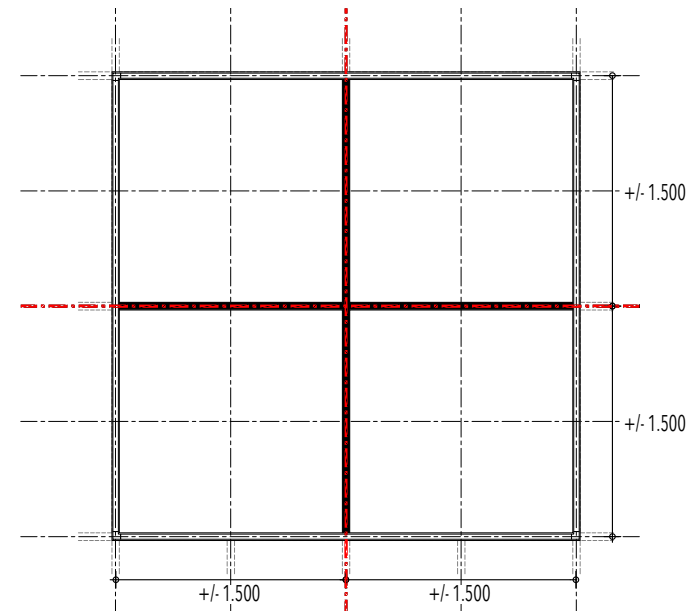
In between each tubes, a 280mm long track is foreseen to receive additional spotlights according to scenographic needs (see opposite and page 16).

The gallery proposes one full set of 3.000K colour temperature (warm) and one full set of 4.000K colour temperature (cold).

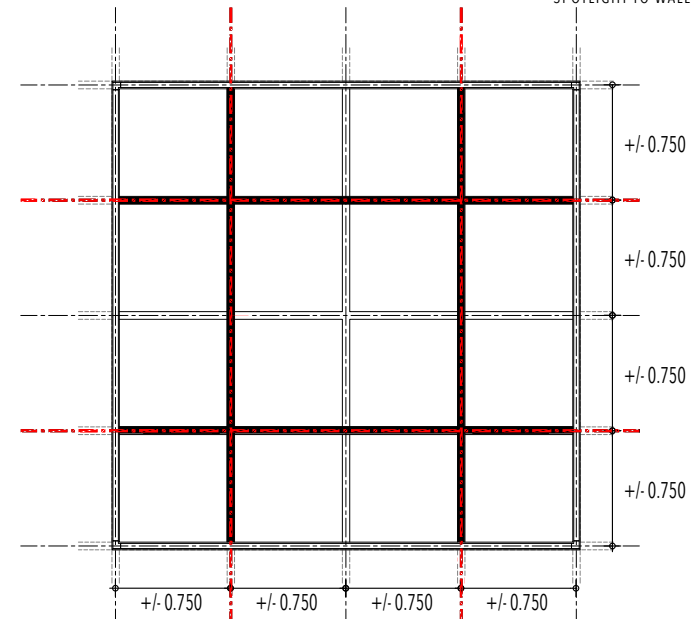
See also the technical/electrical plan on page 37 for more details about control/grouping..



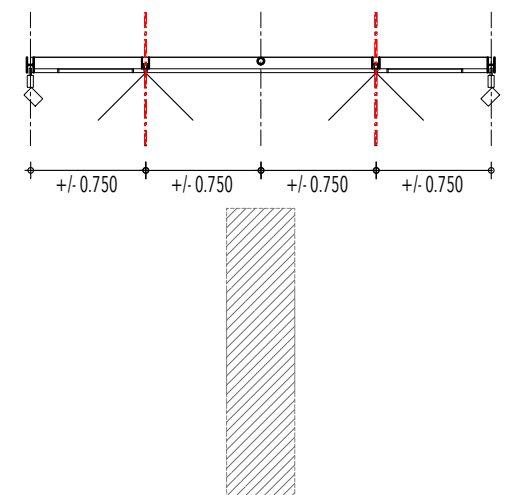
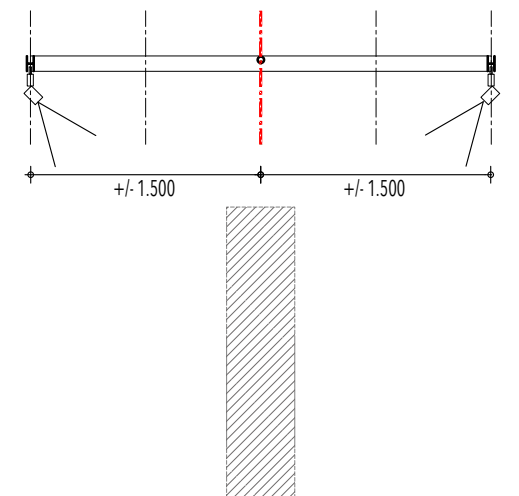
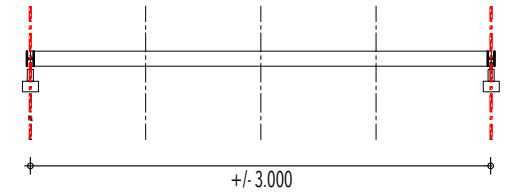
TRACK LIGHT SPACING



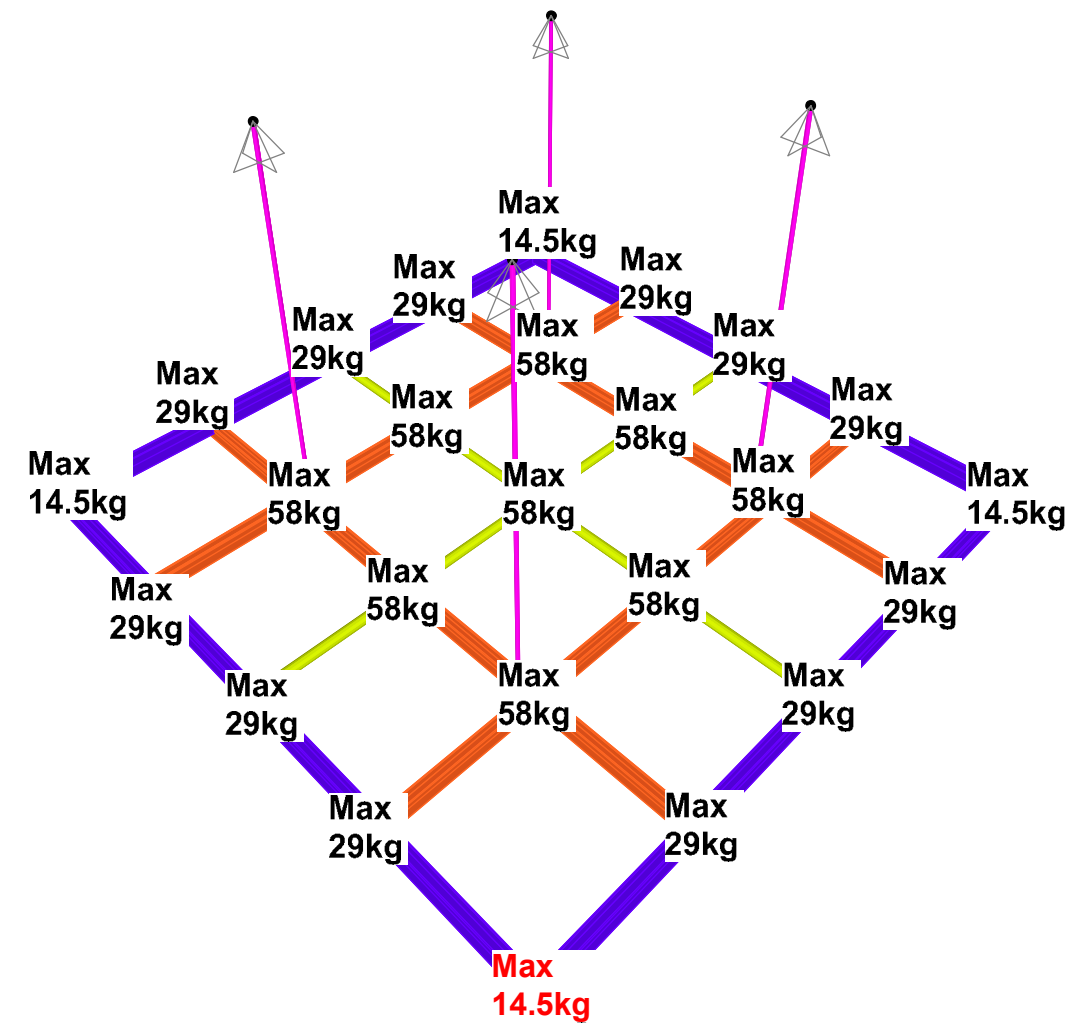
SPOTLIGHT TO WALL SUSPENSION DISTANCE



GENERAL LIGHTING



Loading Capacity for Each Joint



CALCULATION SHEET

Project

Job no.

Designed by

Checked by

Date:

Sheet no.

4.3 Design Load

Dead Load:

s/w of light fitting	=	0.50	kPa	(50kg/m^2)
Dead load reserved for decoration	=	0.50	kPa	(50kg/m^2)
	=	1.00	kPa	(100kg/m^2)

	Load width, m	Input Load, kN/m
1	0.8	0.80
2	0.4	0.40

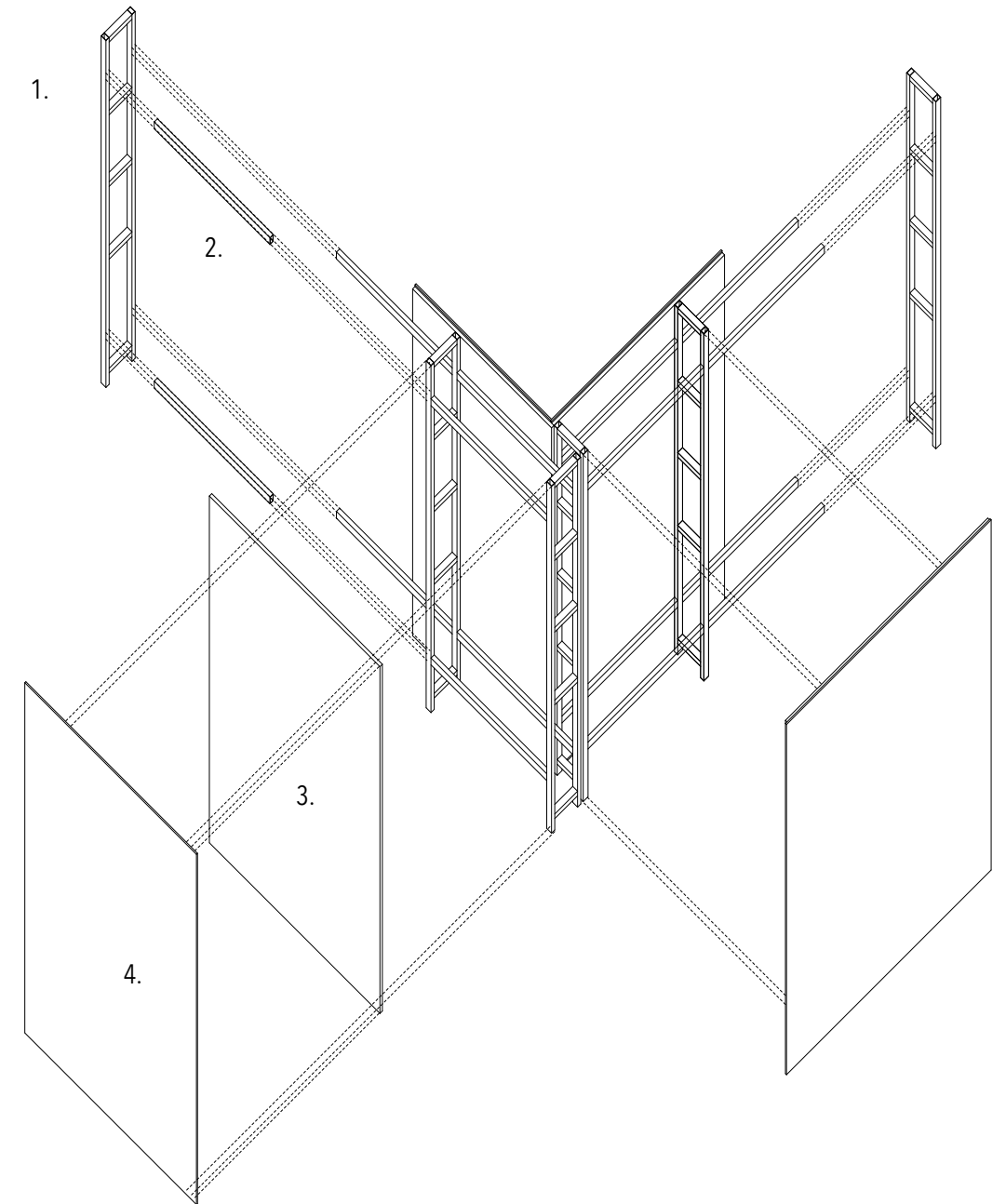
* s/w of steel section are included in SAP2000 model

09. FLEXIBLE WALL SYSTEM

The flexible wall system is a system develop and manufactured by Kunstmuseum Wolfsburg. It is a system made of ladder elements and traverse elements. The external skin is made of plywood and plasterboard, allowing for flexible finishes. The wall is 450MM thick after finishing.

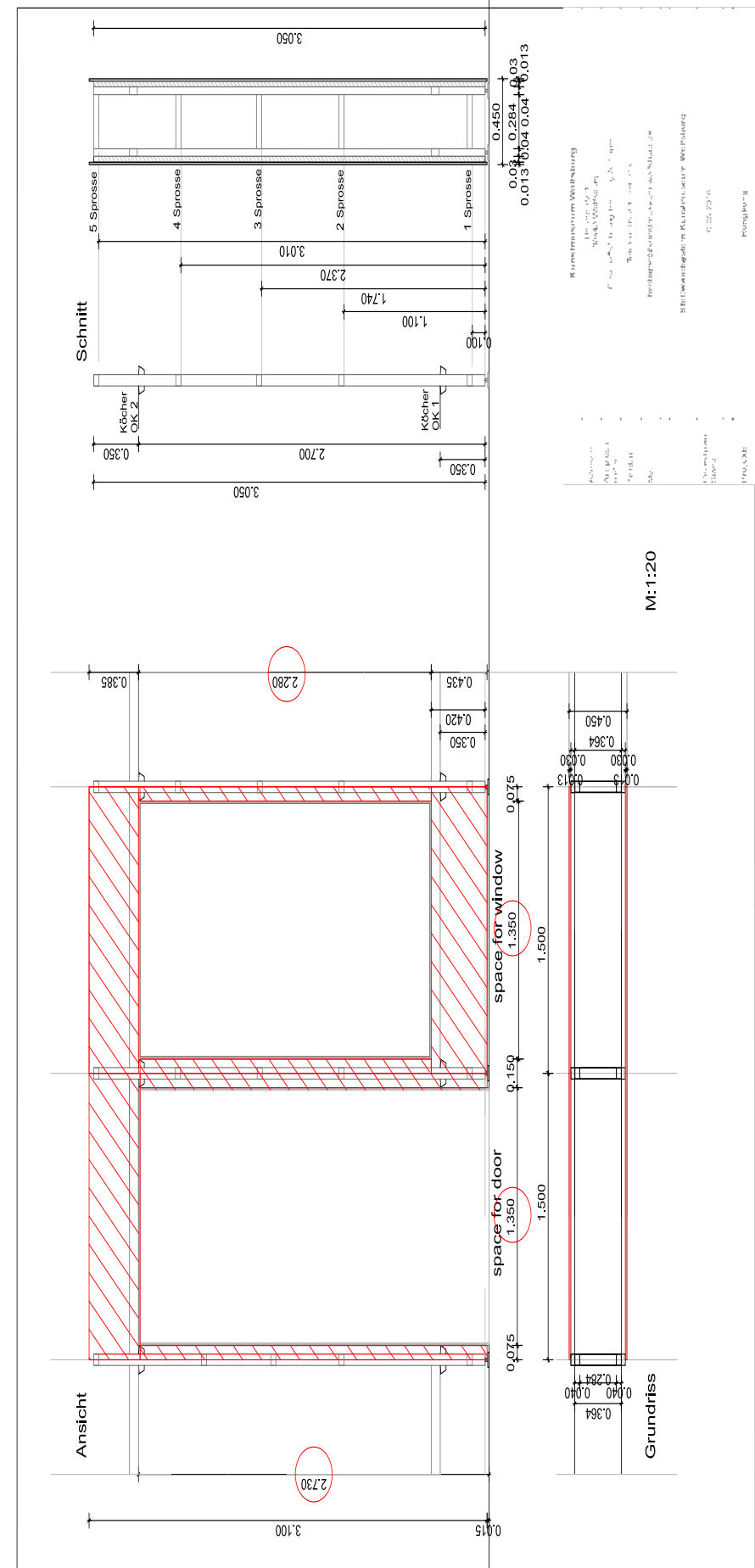
The ladders are stored in the service corridor, while the bars are stored in Store Room A.

For loading, refer to manufacturer's instructions and calculations. Manufacturer can be contacted via details in Section 10. Plan & Contacts.



- 1. LADDER
- 2. TRAVERSES
- 3. PLYWOOD BASE (OPTIONAL)
- 4. PLASTERBOARD

ASSEMBLY AXONOMETRIC



10.PLAN & CONTACTS

Neutral plans scale 1/150 are available on the following pages to draft potential layouts.

The following person(s) can be contacted for technical or scenographical advice:

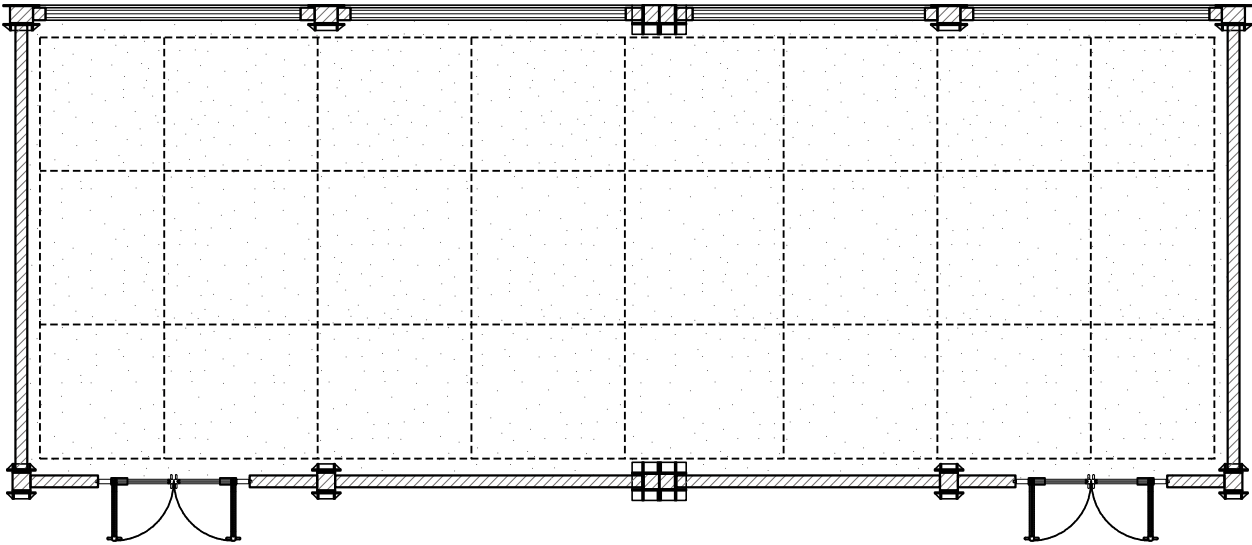
ARCHITECT:
BEAU LIMITED
MR. GILLES VANDERSTOCKEN / HELLO@BEAU.HK / +852 62160743

FITTING OUT CONTRACTOR:
SONIK INTERIOR CONTRACTING CO., LTD
MR. SUNNY LAM / SUNNYLAM@SONIKHK.COM / +852 25279300

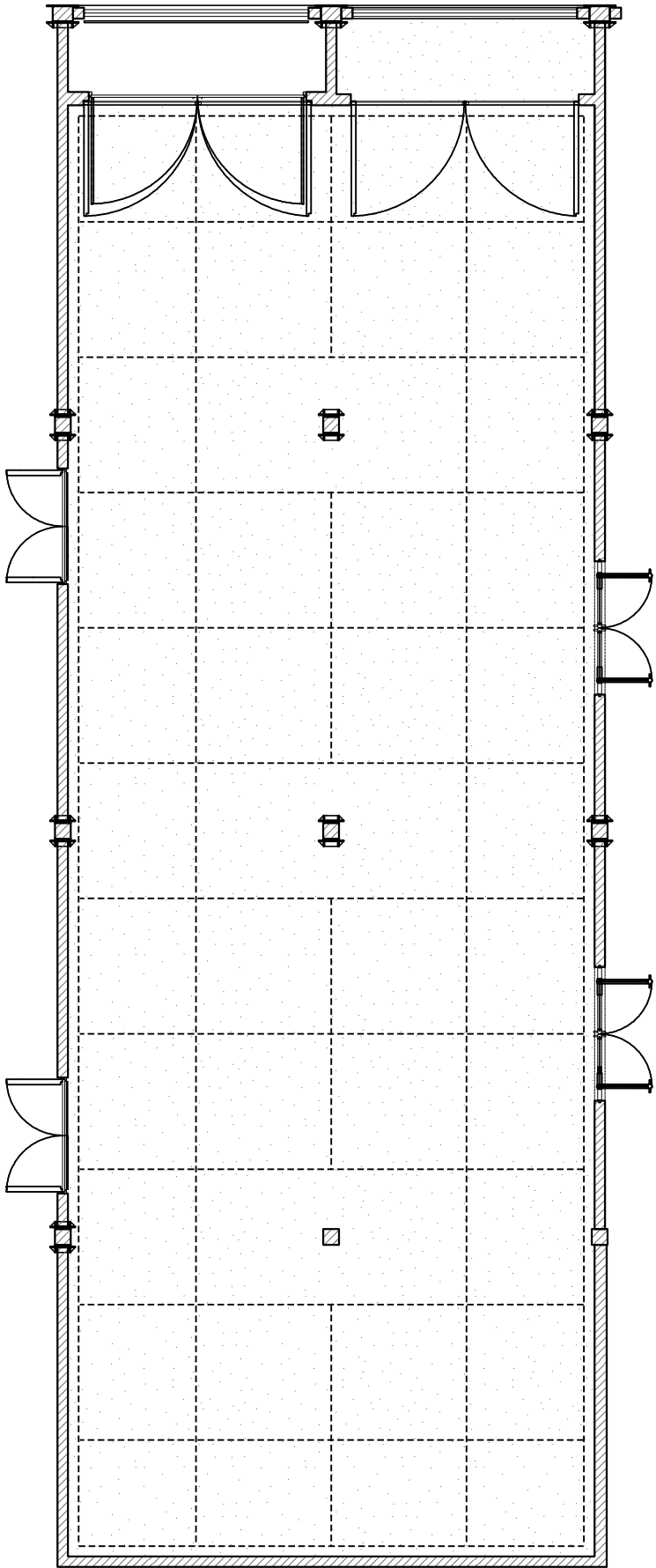
LIGHTING CONSULTANT:
LIGHTLINKS INTERNATIONAL LTD.
MR. KOICHI TANAKA / KOICHI TANAKA@LIGHTLINKSLTD.COM / +852 21499958 /+852 96865802

LIGHTING SUPPLIER:
ERCO LIGHTING PTE. LTD.
MR.KEITH CHENG / K.CHENG@ERCO.COM / +852 31658703 / +852 91213335,

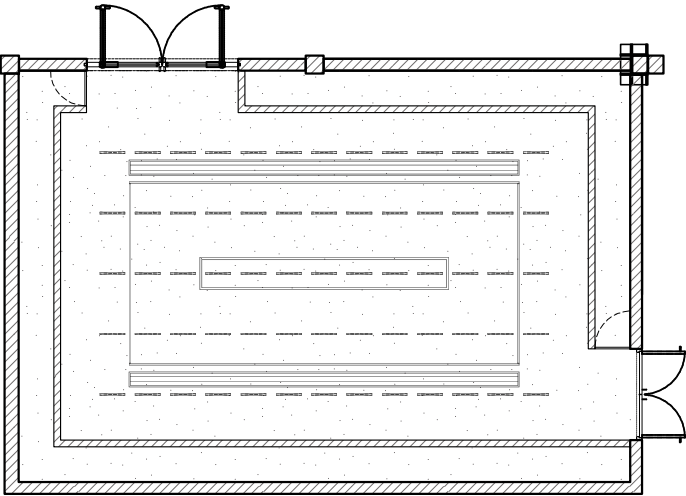
FLEXIBLE WALL SYSTEM SUPPLIER
KUNSTMUSEUM WOLFSBURG
MR. HENNING SHAPER / HENNING.SHAPER@KUNSTMUSEUM-WOLFSBURG.DE / +495361 266913



GALLERY 1



GALLERY 2



GALLERY 3

