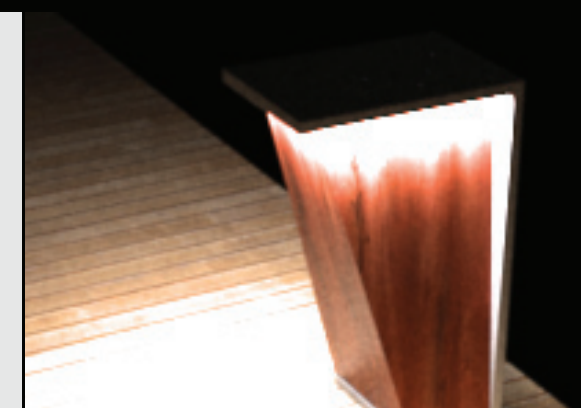
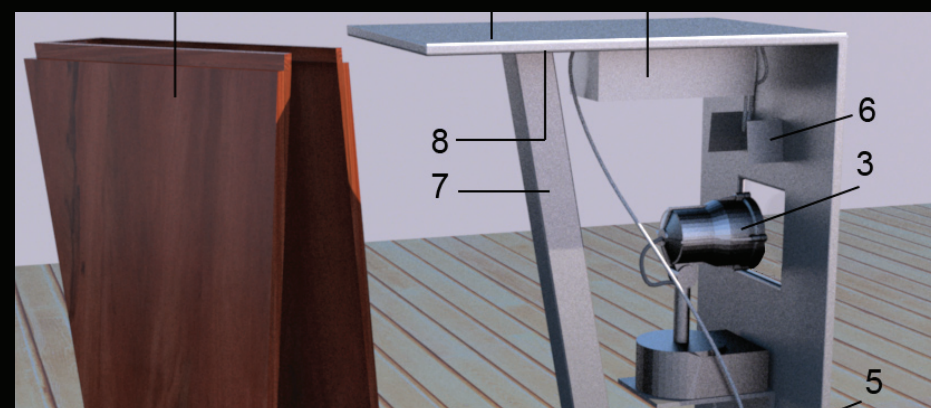
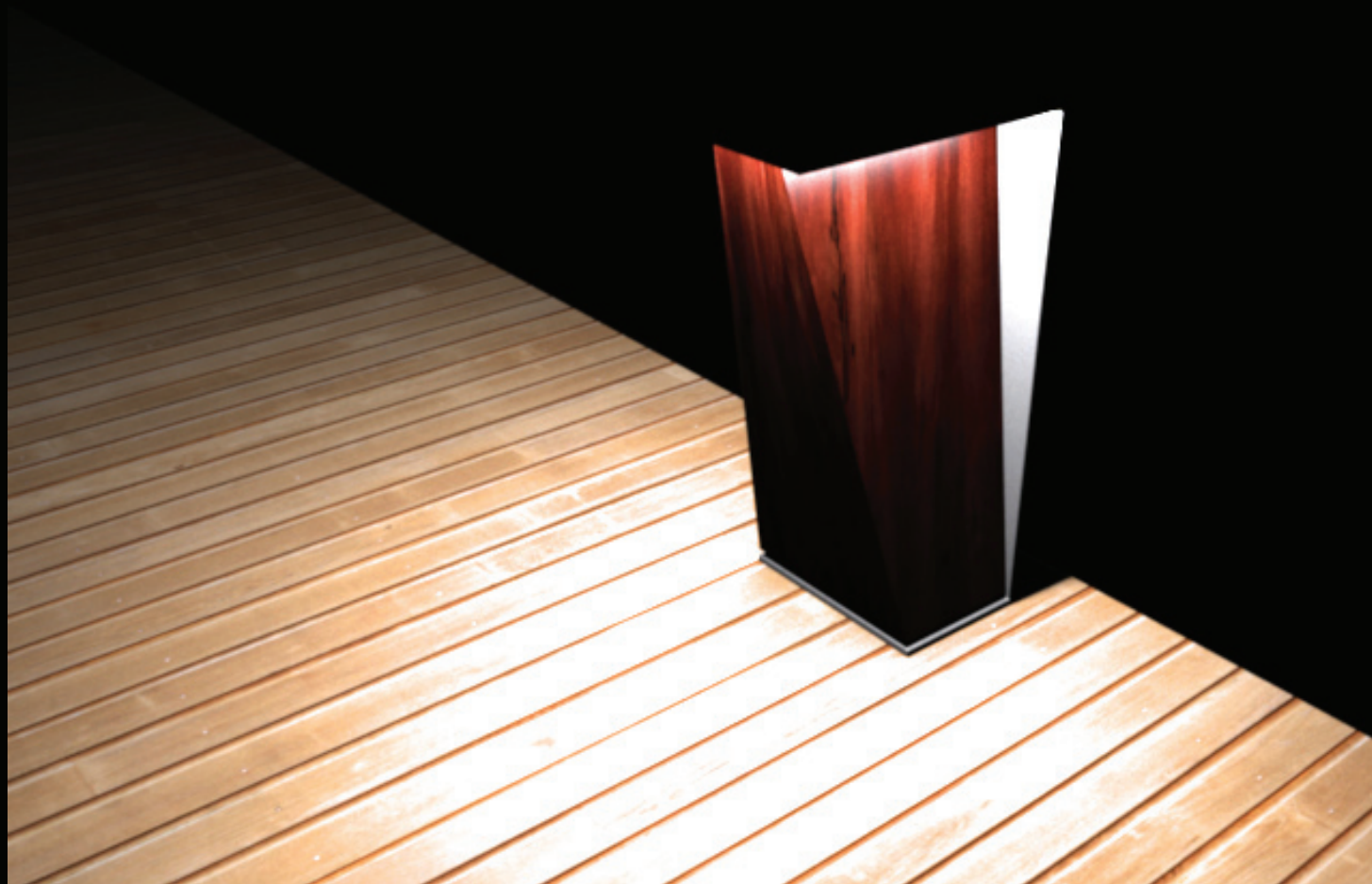




TAR LUMINAIRE FOR PIER AND POMMERN 25.08.2010



Philosophy

Tar luminaire is made from a combination of steel and wood. The C-shaped steel frame structure refers to the steel hull of Pommern. The wood is as well a material which is typically found in, platforms, and boats.

The wooden body is inserted into the steel frame. It's pyramidal shape results from functional requirements: it covers and protects the electrical installations and its side surfaces act as reflectors.

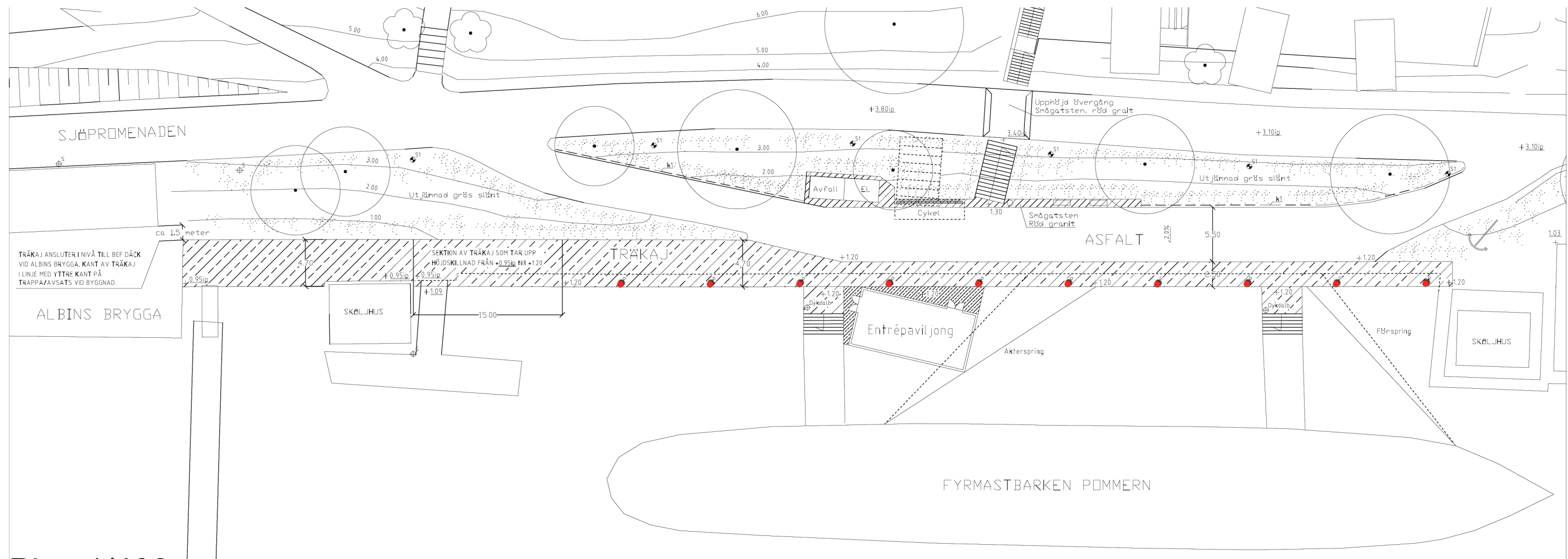
The lid part of the steel frame reminds of Brando's reflector. It protects the wood from the weather. The color of the steel will be the same as Brando's.

The luminaire has an extended sensuousness:

It emits a discrete odour of tar. This evokes memories of the past and intensifies the experience of being in an harbour where tar smell used to come from the boats.

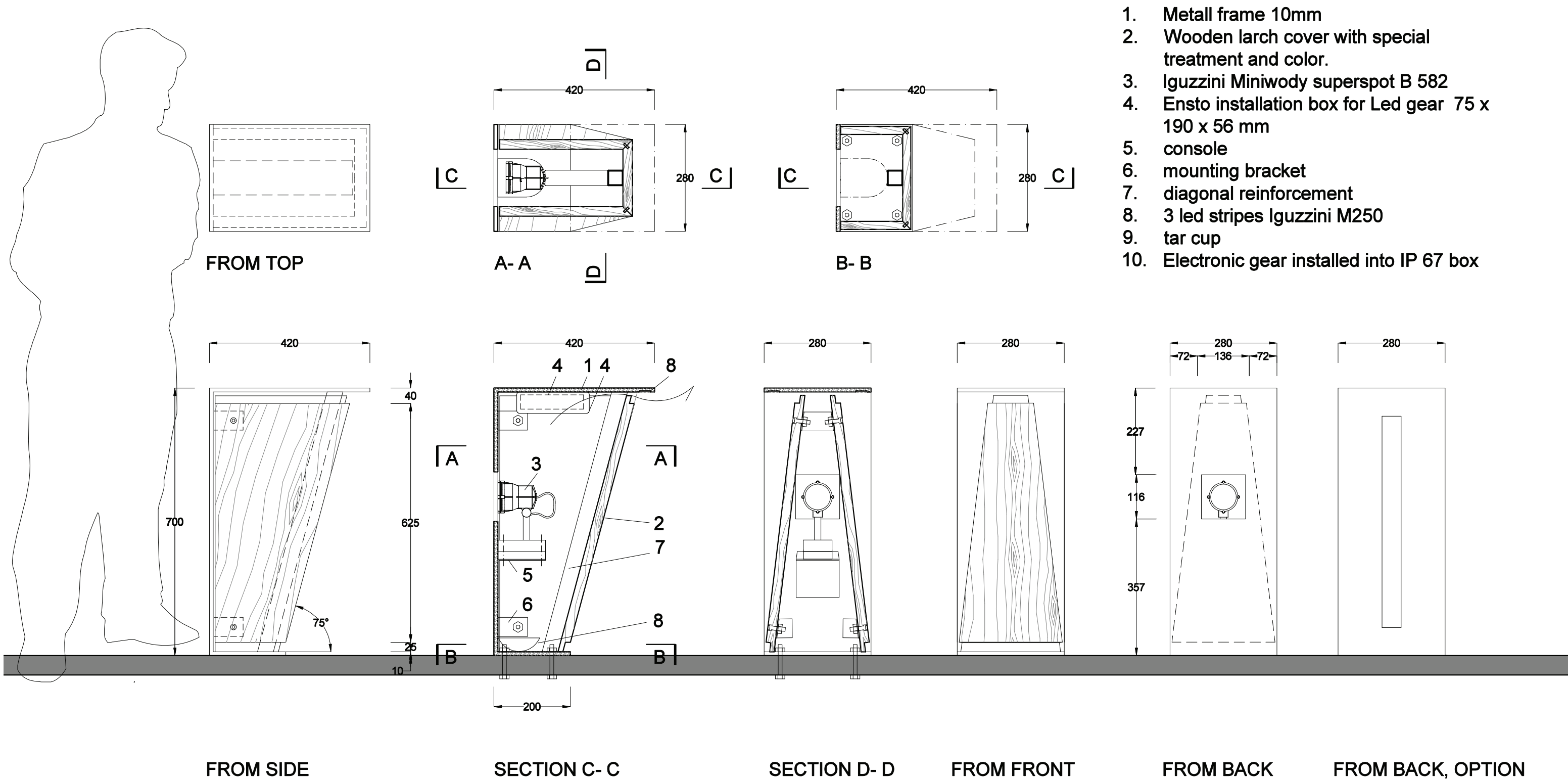
The odour does not come from the wood, but from a cup sized small container inside the luminaire, which is filled with tar.

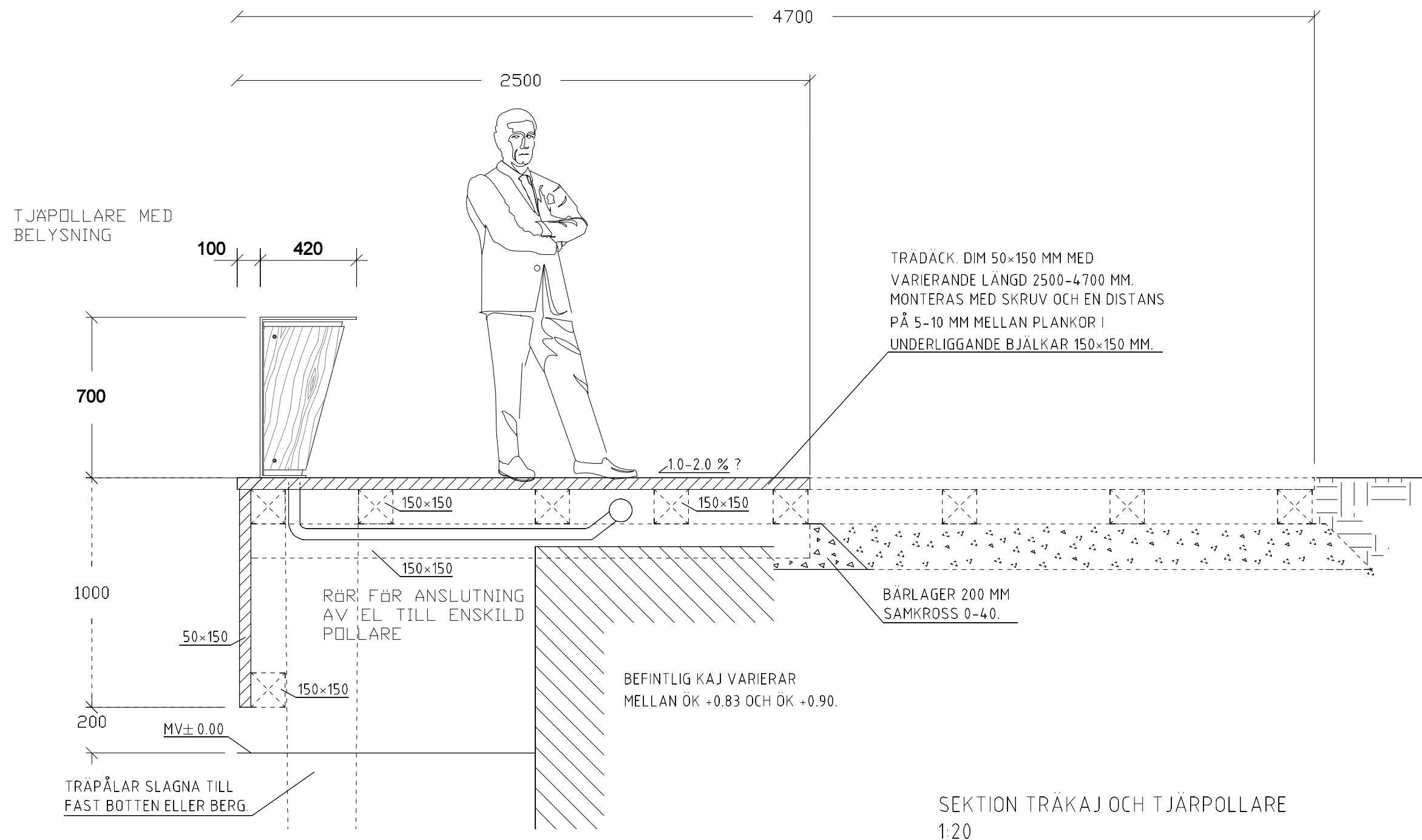




Plan 1/400







PÅLAD TRÄKAJ. BÄRANDE KONSTRUKTION INRITAD FÖR ILLUSTRATION AV KONSTRUKTIONSPRINCIP. DIMENSIONSSTYCKNING AV BÄRANDE KONSTRUKTION EJ GENOMFÖRD.

ALLA FÄSTDON OCH BESLAG SKA VARA VARMFÖRZINKADE. TRÄ SKA VARA TRYCKIMPREGNERAT KLASS NTR/A. ALLA MÅTT I MM.

Section 1/20



TARR LUMINAIRE MODELL AND TESTS

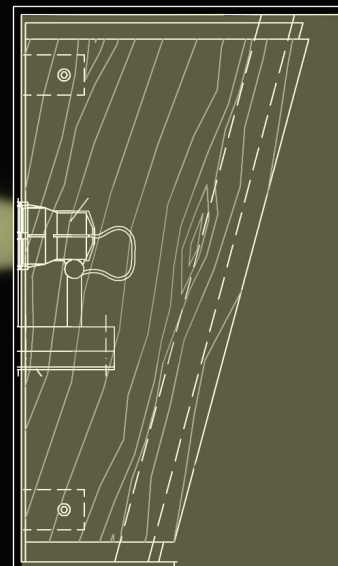
We have built a wooden Tarr luminaire for demonstration and study purposes. The model can be used in Maarianhamina for on-site testings.



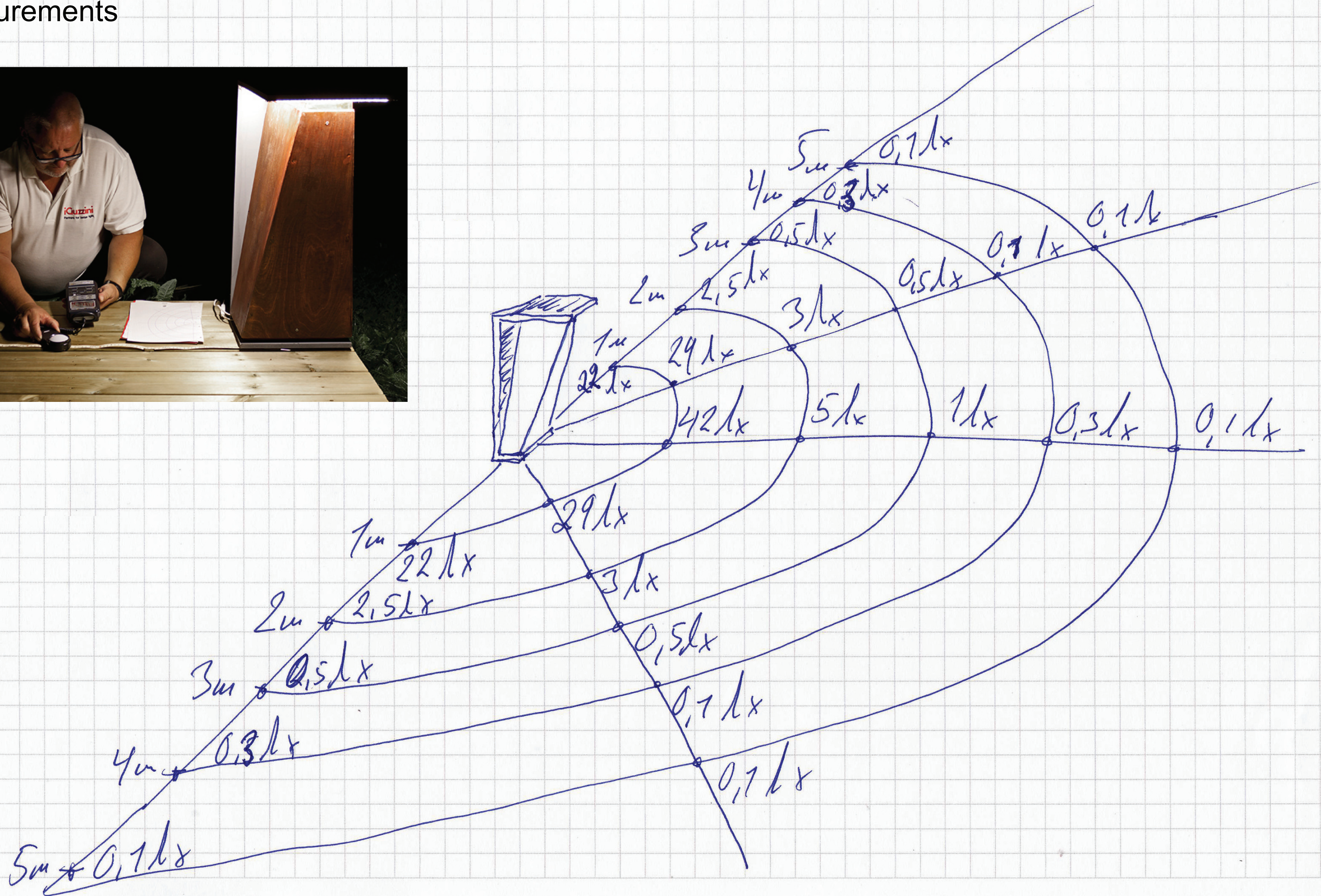
Light:

Light for pier illumination is produced by using modern LED stripes with IP 67 protection level. The stripes are hidden under the “steel hat” and are covered with a rifled plastic cover. Lighting values are great on the pier and according our philosophy: no glare exists. No veil luminance in the retina and contrasts are clear and strong. On the back side of the Tarr luminaire there is a small square shaped opening. Behind it a small floodlight with narrow – wide lightbeam angle is placed and shoots soft light onto the side of Pommern.

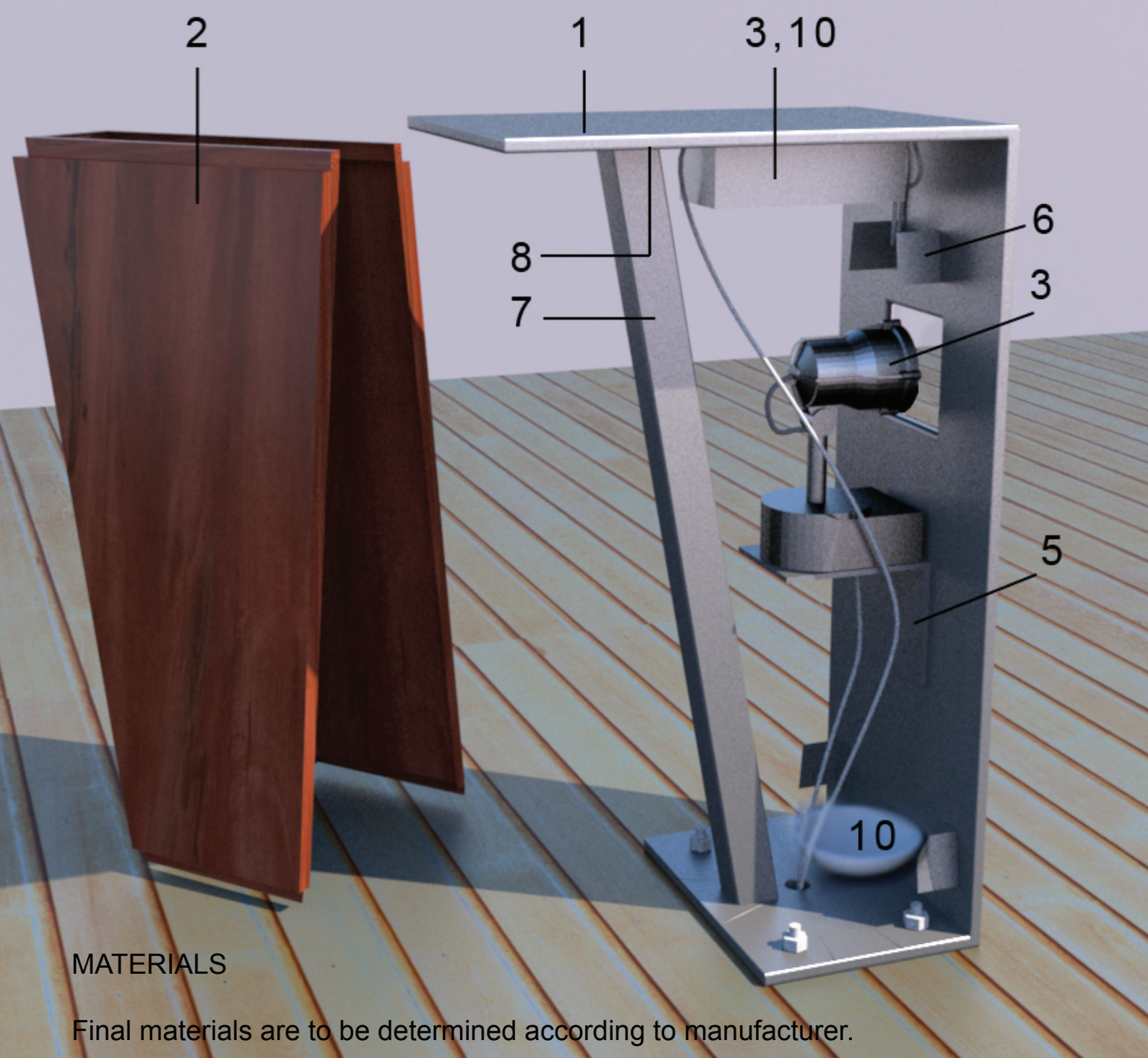
It is possible to adjust the direction of the floodlight beam to aim at the target. There are areas where architectural elements are between Tarr luminaire and Pommern (like stairs and entrance building). These areas can be taken care of separately: the floodlights can then be installed directly where necessary. In case the position of Tarr luminaires cause glare (for ex. beside the stairs), we can use louvres in front of the floodlights.



Measurements



1. Metall frame 10mm
2. Wooden larch cover with special treatment and color.
3. Iguzzini Miniwody superspot B 582
4. Ensto installation box for Led gear 75 x 190 x 56 mm
5. console
6. mounting bracket
7. diagonal reinforcement
8. 3 led stripes Iguzzini M250
9. tar cup
10. Electronic gear installed into IP 67 box



MATERIALS

Final materials are to be determined according to manufacturer.



Ledstrip 24W LED 3000K M250

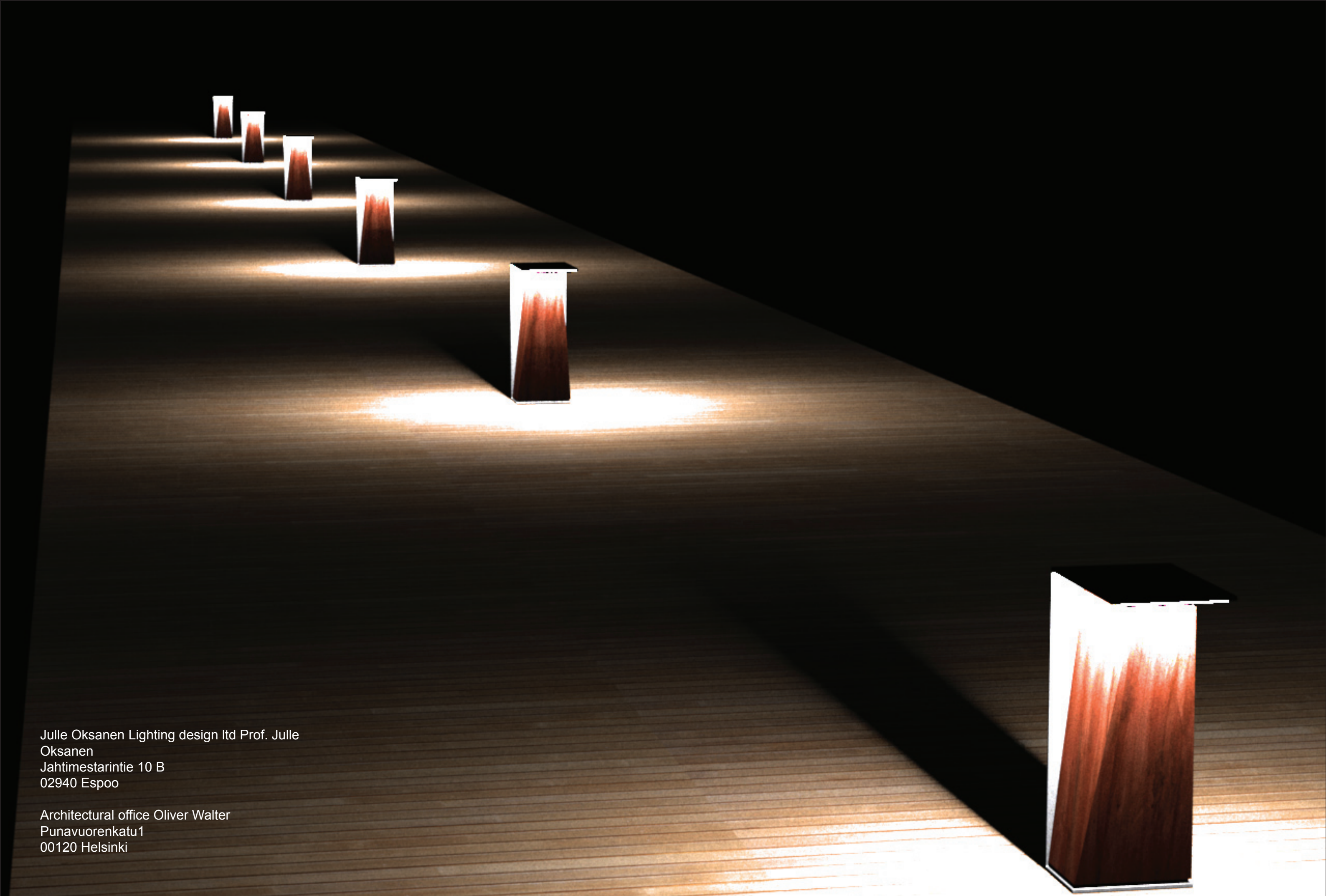
Physical	
Mounting	Wall arm
Dimensions	10 mm x 3 mm - L 5000 mm
Colour	Indeterminate (00)
Construction materials	Die-cast aluminium
Optical	
Aiming	Fixed
Lamps description	Led 3000K
Electrical	
Voltage (V)	12 dc
Insulation class	Class III
Quality seal	 IP 20



Miniwody superspot B 582
20W ja linssi 1181

Physical	
Mounting	Wall surface, Ceiling surface
Dimensions	100x85mm H = 205mm
Colour	Grey (15), Black (04)
Construction materials	Aluminium
Weight (kg)	0,95
Optical	
Aiming	Rotation
Lamps description	1 x IIIT (CDM-Tm) 20W PGL5
Beam spread	Spot 5
Electrical	
Control gear availability	Included
Control gear mounting	Integral
Insulation class	Class I

+ Refractor 1181



Julle Oksanen Lighting design ltd Prof. Julle
Oksanen
Jahtimestarintie 10 B
02940 Espoo

Architectural office Oliver Walter
Punavuorenkatu1
00120 Helsinki