



HALMSTAD

- Capital of Halland County
- Halmstad is a port, university, industrial and recreational city
- The port has a great influence on the growth of the city, because it is in an unbeatable location between Oslo and Copenhagen
- Population in 2012: 63.000 habitants

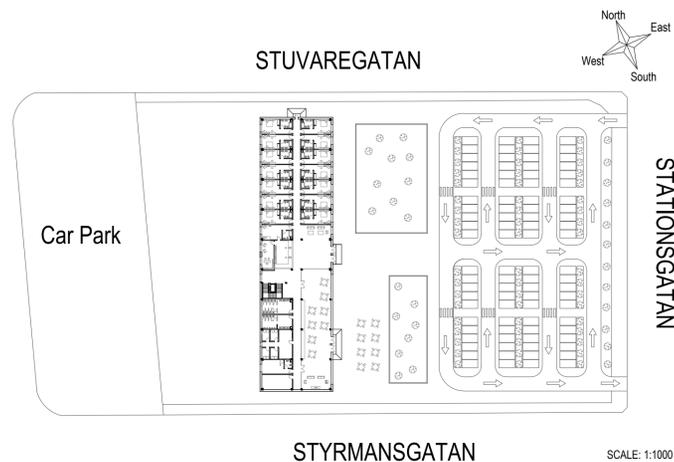
THE PLOT

- The plot is located between Nissan River and the railway, and it is limited by the next streets:
 - Stationsgatan (East)
 - Styrmansgatan (South)
 - Strandgatan (West)
 - Stuvaregatan (North)
- Surface:
 - Almost Rectangular
 - 15.000m²
 - Flat



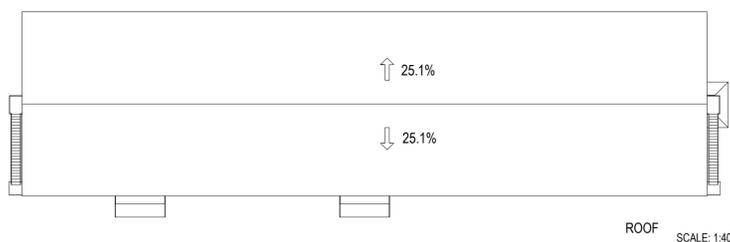
THE BUILDING

- The designed building is a motel, not a fancy hotel, just a place where the people can stay and pass a comfortable night. This idea comes from the location of the plot, really close to the train central station (around 200 meters) and to the Port of Halmstad (800-1000m).
- Also a car park have been designed, and gardens, but this project is focused in the building.

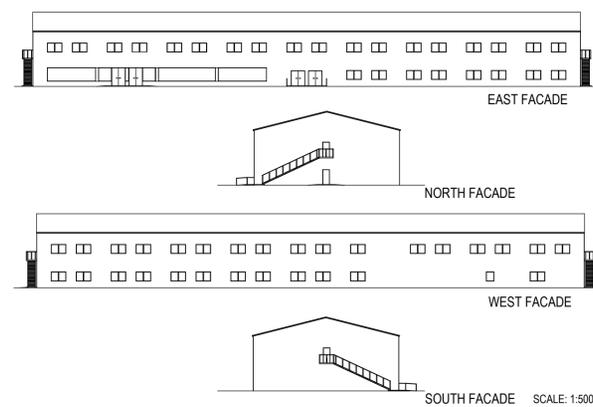


- PLOT TOTAL SURFACE: 15.000 m²
- OCCUPIED SURFACE BY THE BUILDING: 1.650,69 m²

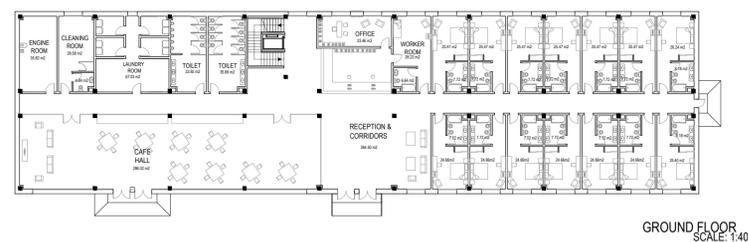
	USABLE SURFACE	BUILT SURFACE
GROUND FLOOR	1.371,23 m ²	1.597,50 m ²
FIRST FLOOR	1.331,14 m ²	1.597,50 m ²
TOTAL	2.702,37 m ²	3.195,00 m ²



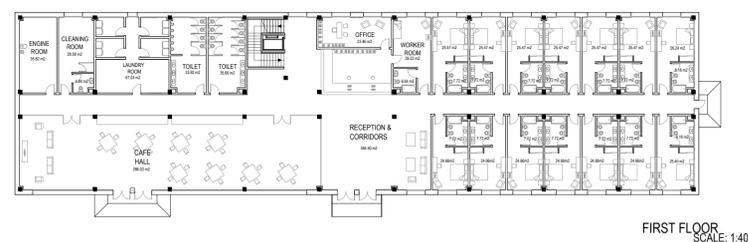
ROOF SCALE: 1:400



- Made of bricks, to have a similar appearance to the surrounding buildings.

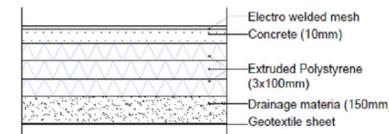


GROUND FLOOR SCALE: 1:400



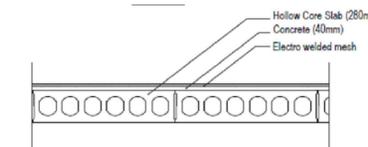
FIRST FLOOR SCALE: 1:400

FOUNDATION

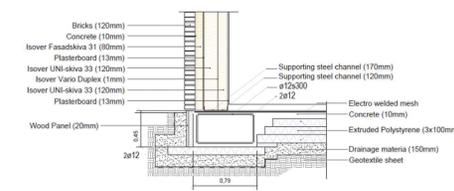
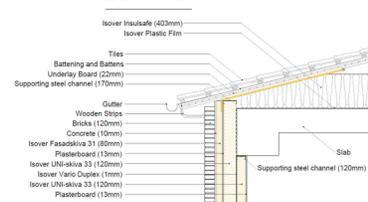


STRUCTURE

SLAB



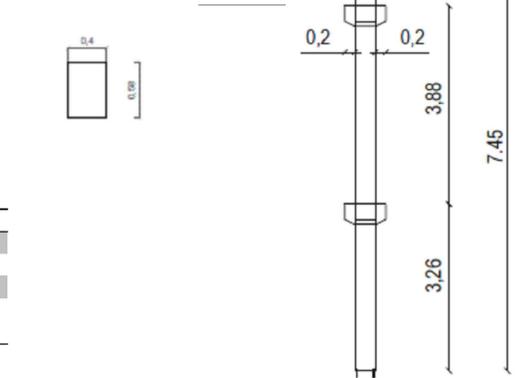
ROOF



BEAMS



PILLARS



PROPERTIES	
U-Value	0.08 W/m ² C
Reaction to fire	REI30
Noise Reduction:	
R _w +C ₅₀₋₃₁₅₀	48 dB
R _w +C ₅₀₋₃₁₅₀	37 dB

BOVERKET

ACCESSIBILITY, DESIGN, ROOM HEIGHT AND UTILITY ROOMS

- Accessible and usable walkways and entrances:
 - Easy to follow, obstacles free, wider than 1,5m (5,58m)
- Ramps:
 - 2m landing, maximum height up of 0,5m (0,11m), slope of 1:12(1:14)
- Lighting
- Orientation Signs
- Corridors: width of 1,3m (2,19m)
- Doors: width of 0,8m (0,92m) can be open 90°
- Lift: enough to accommodate a person using a wheelchair and a helper, or to transport someone by stretcher.
 - Public Toilets: Accessible and usable (min: 2,2x2,2m, proper equipment, security alarm...)
 - Room Height: in our cases 2,70m everywhere (min: public 2,7m, room 2,4m, and temporary accommodation rooms 2,1m)
 - Size of utility rooms: cleaning room 28,58m², engine room 35,82m² and storage room 11,51m²

SAFETY IN CASE OF FIRE

- Occupancy class 4: Hotels, etc...
- Building Class Br1 (two storeys and occupancy class 4)
- Fire safety installations: Automatic water sprinkler system, detectors and evacuation alarm.
- Escape Routes:
 - <30m
 - Width of at least 0,90m
 - Height of at least 2,00m
 - Doors: 0,80m and force.
 - No spiral staircases
- Exit signs
- Emergency lighting
- Specific requirements for the motel:
 - Devices for early detection and warning in case of fire
 - Fire detectors and evacuation plans in every room
- Fire Compartment Division
 - All inner partitions are EI60
 - The lift is placed in the same fire compartment as the stairway, this ensures that protection against fire and smoke spread between fire compartments is maintained.

SAFETY IN USE

- Protection against falling
 - Lighting
 - Protection against slipping and tripping: Friction factor must be at least 0,30, in accordance with SS-EN 13893
 - Protection against falling from heights: windows conditions, ramps, stairs (depth of a tread should be not less than 0,25m, in our case is 0,32m), balustrades not less than 0,9m high (1,15m)
 - Protection against collision and crushing: glazed surfaces must be marked.
 - Protection against explosions
 - Protection against being locked in
 - Protection against poisoning

PROTECTION AGAINST NOISE

Type	Sound Class A (dB)		Sound Class B (dB)		Sound Class C (dB)		Sound Class D (dB)		
	R _w	L _w	R _w	L _w	R _w	L _w	R _w	L _w	
Hotel	Wall between 2 rooms	58	52	56	52	52	56	48	60
	Wall between room and corridor	44	60	44	62	40	65	35	70
Dwelling	External Wall	61	48	57	52	53	58	49	60

Walls	Sound insulation in project (dB) R _w	Sound Class
External Walls	74	A
Partition between two guest rooms	60	A
Partition between room and corridor	60	A
Partition between guest Room and bathroom	55	A
Partition of Cafe hall	31/40	