

STRUCTURAL LOADS

According to Eurocode

Contract number

Reference

Date and Signature

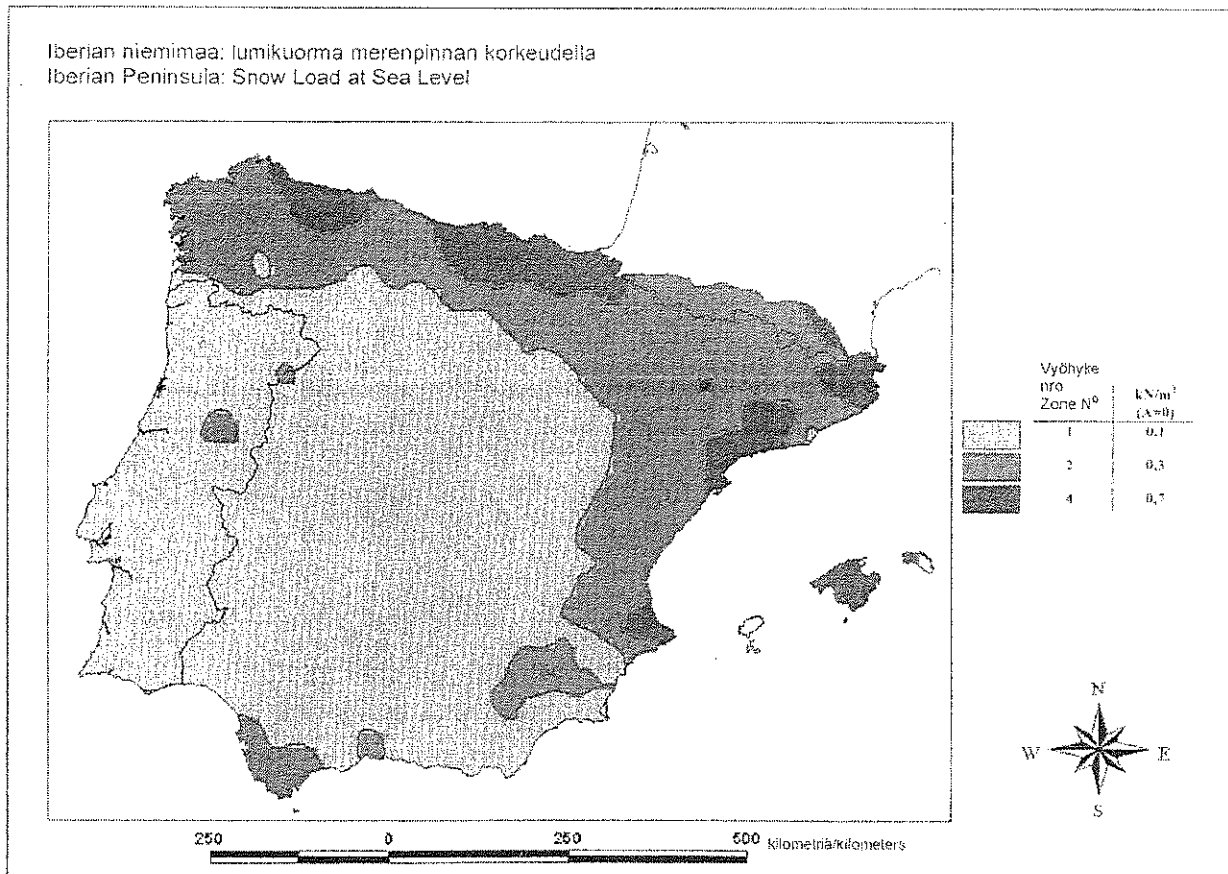
Contract/offer number _____

1. Snow load according to Eurocode 1

The location of building site/the Zone number (the map below) _____

The altitude of the building site, above sea level (m) _____

Tick off the building site to the following map!



Eurocode 1: Actions on structures. Part 1-3: General actions. Snow loads

2. Wind load according to Eurocode 1

Specification attached (2 pgs)

3. Imposed (live) load according to Eurocode 1

- Normal residential house

2 kN/m²

If the imposed (live) load deviates from the normal load for residential house,
the load must be informed to Kontio.

4. Seismic loads according to Eurocode 8NO ☐YES ☐

Specification attached

WIND LOAD ACCORDING TO EUROCODE 1

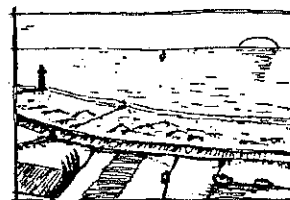
3/5

Basic wind velocity v_b (m/s) _____

Terrain category (tick off one of the following alternative):

Terrain category 0: ☐

Sea, coastal area exposed to the open sea.



Terrain category I: ☐

Lakes or area with negligible vegetation and without obstacles.



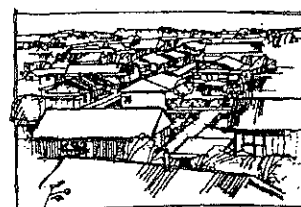
Terrain category II: ☐

Area with low vegetation such as grass and isolated obstacles (trees, buildings) with separations of at least 20 obstacle heights.



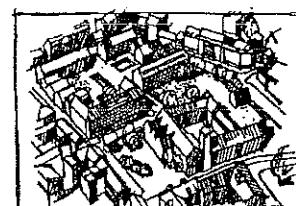
Terrain category III: ☐

Area with regular cover of vegetation or buildings or with isolated obstacles with separations of maximum 20 obstacle heights (such as villages, suburban terrain, permanent forest).



Terrain category IV: ☐

Area in which at least 15 % of the surface is covered with buildings and their average height exceeds 15 m.



UNUSUALLY HARD WIND YES ☐ NO ☐

Hills and ridges situated on any of terrain category explained above are the places, where the wind is unusually hard.

If the building site situates on the place where the wind is unusually hard, the special clarification must be made to Kontiotuote Oy. The special clarification is explained on the next page.



KONTIO
LOGHOUSES

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WIND LOAD - SPECIAL CLARIFICATION

(Must be completed, if the building site situates the place where is unusual hard wind):

Select the hill/ridge type
(see the pictures follow)

TYPE A ☐

TYPE B ☐

Give the next information about the hill/ridge

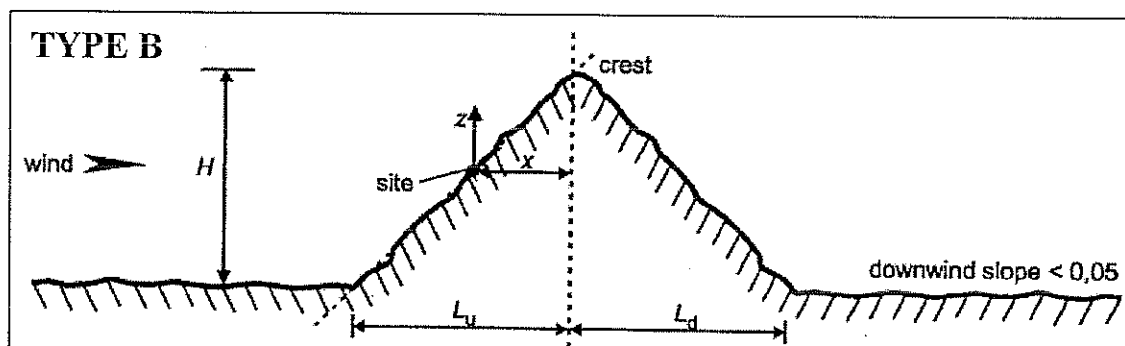
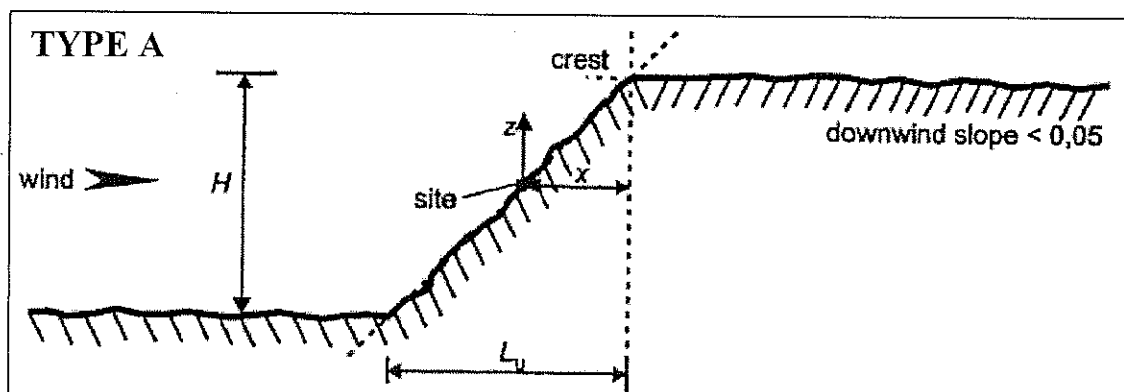
The effective high of hill/ridge, H (m) _____

The actual length of the upwind slope in the wind direction, L_u (m) _____

Horizontal distance of the site from the top of crest, x (m) _____

The height of the building, z (m) _____

The actual length of the downwind slope in the wind direction, L_d (m) _____ (type B)



SEISMIC LOAD ACCORDING TO EUROCODE 8

Fill up the following information

The subsoil class according to the local ground conditions

CLASS A ☐ CLASS B ☐ CLASS C ☐

Subsoil class A: Rock or firm deposits of sand, gravel or over-consolidated clay at least several tens of meters thick. Shear wave velocity v_s at least 800 m/s or 400 m/s at a 10-m depth.

Subsoil class B: Deep deposits of medium dense sand, gravel or medium firm clay. Shear wave velocity v_s at least 200 m/s at a 10-m depth increasing to 350 m/s at a 50-m depth.

Subsoil class C: Loose cohesionless soil deposits with or without some cohesive soil layers. Shear wave velocity v_s below 200 m/s in the uppermost 20 m.

Peak ground acceleration value _____ m/s^2