

# Georeferencing of the barrier

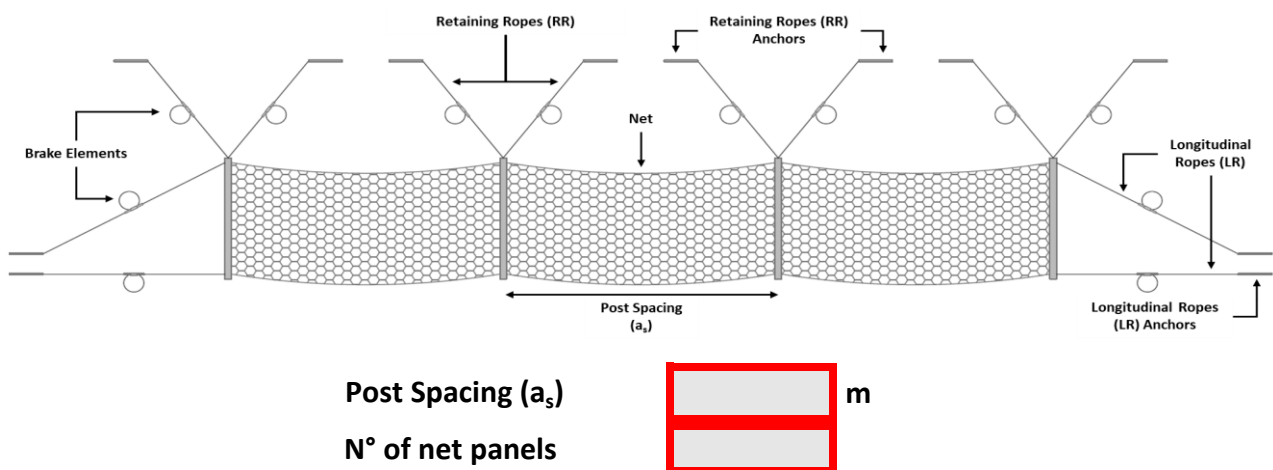
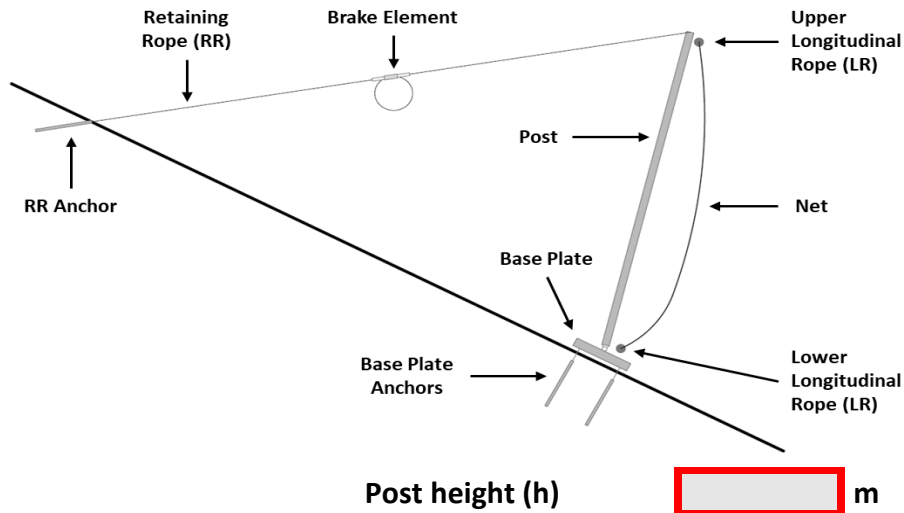
Operator	<input type="text"/>
Date	<input type="text"/>
Barrier ID	<input type="text"/>
Municipality	<input type="text"/>
Protected building or infrastructure	<input type="text"/>

**Note:** this sheet is meant to describe the coordinates of the analysed structure, with a description of the employed technique (i.e., RTK data, GPS points, *a posteriori* georeferencing using available topographic maps, etc...), latitude, longitude and elevation of the starting and ending position of the barrier.

Barrier start point	Technique	<input type="text"/>
	Latitude	<input type="text"/>
	Longitude	<input type="text"/>
	Elevation	<input type="text"/>
Barrier end point	Latitude	<input type="text"/>
	Longitude	<input type="text"/>
	Elevation	<input type="text"/>

## Global appearance of the Structure

ID



## Primary net

Type	Primary net <input type="text"/>	→ Types: RHOMBOHEDRAL, HEXAGONAL or interlocking RINGS
	$\phi_{\text{wire}}$	mm <input type="text"/>
	$d_{\text{net ring}}$	mm <input type="text"/>

Component	Check	Value (0-2)	Guidance	N° of panels or elements
Primary net	Presence of blocks/twigs/logs in the net		0) twigs < 0.15 m; 1) logs < 0.3 m; 2) logs > 0.3 m.	
			0) block max size < 0.25 m; 1) < 0.5 m; 2) ≥ 0.5 m.	
	Widening of the net rings or laceration		0) no damage; 1) widening; 2) laceration.	
	Global deformation of the net panel		<u>Net height reduction:</u> 0) < 10% nominal height; 1) < 25% nominal height; 2) ≥ 25% nominal height.	
	Presence of rusty, corroded, damaged portions of the net		0) none; 1) local; 2) widespread.	
	Disconnection/absence of the binding elements between net panels		0) none; 1) local; 2) widespread.	
	Damaged/broken rope-net connections		0) none; 1) damaged; 2) broken.	

Component	Check	Value (0-2)	Guidance	N° of panels or elements
Secondary net	Presence of rusty, corroded, damaged or torn apart portions of the net		0) none; 1) local; 2) widespread.	



If present, indicate **YES**; otherwise, **NO**.

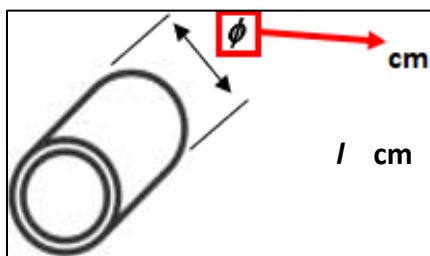
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## Posts

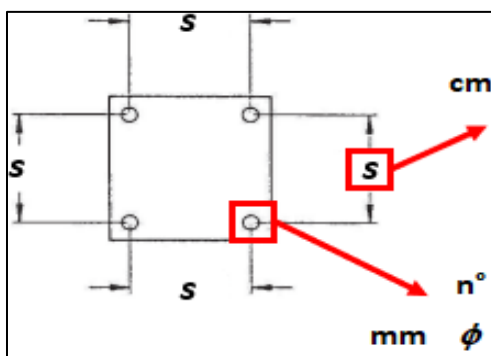
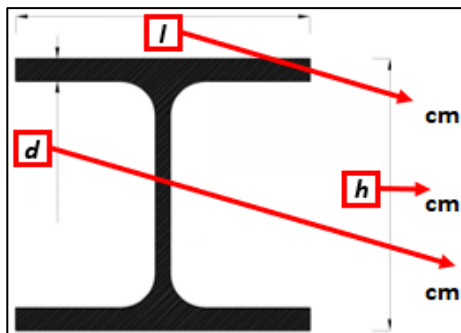
Type



Write **BEAM** or **TUBULAR**

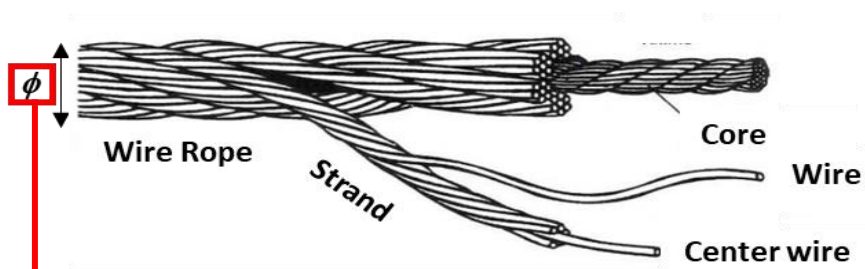


side length ( $l$ ) of  
square tubular posts



Component	Check	Value (0-2)	Guidance	N° of panels or elements
Posts	Presence of rust or corrosion on posts, base plates or foundations		0) none; 1) local; 2) widespread.	
	Deformation, rotation (with respect to the other posts) or failure of the post		<u>Rotation on the upslope-downslope plane:</u> 0) none; 1) visible; 2) significant. <u>Displacement on the structure plane:</u> 0) none; 1) visible; 2) significant.	
	Deformation of the anchoring system, of the hinge and of the post-base plate connection		<u>Anchors slippage:</u> 0) none; 1) deformed; 2) broken or pulled out.	

## Ropes



mm

Longitudinal Ropes (LR)

Retaining Ropes (RR)

Other Ropes (OR)

Component	Check	Value (0-2)	Guidance	N° of panels or elements
<b>Longitudinal Ropes (LR)</b>	Damage level of the ropes	<input type="text"/>	0) none; 1) partial; 2) complete.	<input type="text"/>
	Slack or excessively stretched ropes	<input type="text"/>	0) none; 1) slightly slack or stretched; 2) significantly slack or stretched.	<input type="text"/>
	Damage of the post-rope connection and detachment of the retaining systems	<input type="text"/>	0) none; 1) one; 2) more than one.	<input type="text"/>
	Presence of rusty, corroded, damaged portions of the rope	<input type="text"/>	0) none; 1) local; 2) widespread.	<input type="text"/>
	Detachment/damage level of anchors	<input type="text"/>	0) none; 1) deformed anchors; 2) broken or pulled out anchors.	<input type="text"/>
	Detachment/absence of joining elements	<input type="text"/>	0) none; 1) local; 2) widespread.	<input type="text"/>

If present, indicate **YES**; otherwise, **NO**.

Component	Check	Value (0-2)	Guidance	N° of panels or elements
<b>LR Brakes</b>	Presence of vegetation/debris or anything that might impede the proper functioning of the elements		0) none; 1) marginal; 2) significant.	
	Evidence of brake activation		0) none; 1) partial; 2) complete.	
	Presence of rusty, corroded, damaged portions of the brakes		0) none; 1) local; 2) widespread.	

If present, indicate **YES**; otherwise, **NO**.

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Component	Check	Value (0-2)	Guidance	N° of panels or elements
<b>Retaining Ropes (RR)</b>	Damage level of the ropes		0) none; 1) partial; 2) complete.	
	Slack or excessively stretched ropes		0) none; 1) slightly slack or stretched; 2) significantly slack or stretched.	
	Damage of the post-rope connection and detachment of the retaining systems		0) none; 1) one; 2) more than one.	
	Presence of rusty, corroded, damaged portions of the rope		0) none; 1) local; 2) widespread.	
	Detachment/damage level of anchors		0) none; 1) deformed anchors; 2) broken or pulled out anchors.	
	Detachment/absence of joining elements		0) none; 1) local; 2) widespread.	

If present, indicate **YES**; otherwise, **NO**.

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Component	Check	Value (0-2)	Guidance	N° of panels or elements
RR Brakes	Presence of vegetation/debris or anything that might impede the proper functioning of the elements		0) none; 1) marginal; 2) significant.	
	Evidence of brake activation		0) none; 1) partial; 2) complete.	
	Presence of rusty, corroded, damaged portions of the brakes		0) none; 1) local; 2) widespread.	

If present, indicate **YES**; otherwise, **NO**.

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Component	Check	Value (0-2)	Guidance	N° of panels or elements
Other Ropes (OR)	Damage level of the ropes		0) none; 1) partial; 2) complete.	
	Slack or excessively stretched ropes		0) none; 1) slightly slack or stretched; 2) significantly slack or stretched.	
	Damage of the post-rope connection and detachment of the retaining systems		0) none; 1) one; 2) more than one.	
	Presence of rusty, corroded, damaged portions of the rope		0) none; 1) local; 2) widespread.	
	Detachment/damage level of anchors		0) none; 1) deformed anchors; 2) broken or pulled out anchors.	
	Detachment/absence of joining elements		0) none; 1) local; 2) widespread.	

If present, indicate **YES**; otherwise, **NO**.

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Component	Check	Value (0-2)	Guidance	N° of panels or elements
OR Brakes	Presence of vegetation/debris or anything that might impede the proper functioning of the elements		0) none; 1) marginal; 2) significant.	
	Evidence of brake activation		0) none; 1) partial; 2) complete.	
	Presence of rusty, corroded, damaged portions of the brakes		0) none; 1) local; 2) widespread.	

If present, indicate **YES**; otherwise, **NO**.

## Global appearance

Component	Check	Value (0-2)	Guidance	N° of panels or elements
Access to the structure	Presence of trees, bushes and shrubs impeding access to the structure		0) none; 1) marginal; 2) significant.	/
Slope conditions	Presence of holes and voids below the net panel		0) none; 1) local; 2) widespread.	
	Obstacles to the deformation capacity of the structure (i.e., trees, boulders close to the structure, or interference of other structures)		0) none; 1) local; 2) widespread.	
Vegetation on the structure	Presence of bushes, shrubs or vines on the structure		0) none; 1) local; 2) widespread.	

## Energy Class

(IF KNOWN) Service Energy Level

kJ



## Notes