



HEALTHY BUILDING CERTIFICATE

Certification Parameters

Blue List 2.0

2018/June

In this list you will find all the valid certification parameters both for projects (**pRN**, project renovation; and **pNC**, new design construction) and environments built (**RN**, renovation, **NC**, new construction; And **EPE**, pre-existing building).

The criteria evaluated are: design, lighting, acoustics, materials, hydraulic, electrical, air, landscaping, sustainability, maintenance.

DESCRIPTION	POINTS
1. CERTIFIED PROFESSIONAL	
1.1. Submission	
The submission of certification request made by a certified professional grants 3 points.	3
CHAPTER 1: TOTAL	3

Colors:

- Items that prevents/blocks certification
- Items that subtract points
- Caution Items that need more technical explanations
- Extra point items

Legenda:

PP: Project phase; FBP: Finished Building Phase; NA: Not Applicable; CTC: Certification technical Commission.

Evaluation criteria:

Ms: measurement; VV: visual verification; TV: Technical Verification (TV); DP: Document Proof; PEB: Pre-Existing Building.



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DESCRIPTION	POINTS
2. ARCHITETONIC DESIGN	
2.1. Project personalization	
a. Completely personalized projects	3
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - 3 examples of different Blue Print possibilities. Exception for one family houses. Finished building phase: VV – photograph evidence. PEB: VV – photograph evidence and/or TV – Technical verification¹. 	
¹ All measurements in finished Building phase are made by HBC Certified auditors by means of proprietary equipment, authorized by the Certification Technical Commission (CTC).	
b. Options of personalization to be chosen in a pre-fixed menu	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Project Blue Print with the available options. Finished building phase: VV – photograph evidence. PEB: VV – photograph evidence and/or TV – Technical verification. 	
c. Projects that can be personalized after delivery	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Project Blue Print with structural project. Finished building phase: VV – photograph evidence. PEB: VV – photograph evidence and/or TV – Technical verification. 	
d. Non Personalizable projects	-1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Project Blue Print with structural project. Finished building phase: VV – photograph evidence. PEB: VV – photograph evidence and/or TV – Technical verification. 	
Obs: In the absence of items a, b or c, Project/building will automatically fit into this category.	
2.2. Environmental Psychology	
a. Building must be projected to foster relations (family or work)	3
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print with written explanation of how the building attend this criteria. Finished building phase: VV – photograph evidence. PEB: VV – photograph evidence and/or TV – Technical verification. 	
b. Common áreas must have colour balance and must be absent from monocromatism.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print with perspetctive or sketch. Finished building phase: VV – photograph evidence. PEB: VV – VV – photograph evidence 	
c. Garages, when present, must be humane and projected to being pleasant places.	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print with perspetctive or sketch. Finished building phase: VV – photograph evidence. PEB: VV – VV – photograph evidence 	
CHAPTER 2: TOTAL	12
POINT LOSS POSSIBILITIES	1

DESCRIPTION	POINTS
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3. ILUMINATION

3.1. Natural lighting

a. Any project whose natural lighting is responsible for more than 50% and less than 69,9% of the building daytime illumination.

<p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP - lighting architectural design project and / or descriptive memorial with products technical specifications. Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). PEB: Ms - device approved by the CTC. 	2
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b. Any project whose natural lighting is responsible for more than 70% of the building daytime illumination will be granted two extras points.

<p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP - lighting architectural design project and / or descriptive memorial with products technical specifications. Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). PEB: Ms - device approved by the CTC. 	2
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3.2. Light quantity

a. The amount of light, natural or artificial, in a study or intellectual workplace must be equal to/ or greater than 600 LUX.

<p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP - lighting architectural design project and / or descriptive memorial with products technical specifications. Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). PEB: Ms - device approved by the CTC. 	2
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b. The amount of light, natural or artificial, for a manual work place must be equal to/ or greater than 800 LUX.

<p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP - lighting architectural design project and / or descriptive memorial with products technical specifications. Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the CTC. 	2
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c. The amount of light in a sleeping room, with doors, windows and / or light-seal elements on, shall be equal to 0 LUX.

<p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP - lighting architectural design project and / or descriptive memorial with products technical specifications. Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the CTC. 	2
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Obs: The amount of light for recreational or other non specified rooms should be only the required for comfort.

3.3. Light quality

a. Artificial lighting for workplaces, manual or intellectual, and to areas of study should reproduce solar light more than 90% solar (IRC> 90)

<p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP - lighting architectural design project and / or descriptive memorial with products technical specifications. Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the CTC. 	2
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DESCRIPTION	POINTS
b. For the lighting projects that exceeds the reproduction of the solar light more than 95%, the commission can grant an extra point.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - lighting architectural design project and / or descriptive memorial with products technical specifications. Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the CTC. 	
Projects that, in work/study areas, avoid using intermittent production of light Technologies, AKA Flickering, and favor the use of continuous light technology in more than 70% of the total of the artificial light generated in the space will be granted two extra points.	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - lighting architectural design project and / or descriptive memorial with products technical specifications. Finished building phase: DP- Fiscal notes and VV - photographic proof. EPE: PD - fiscal notes and VV - photographic proof. 	
CHAPTER 3: TOTAL	15

4. ACOUSTIC QUALITY

4.1. Noise pollution

a. Noise level indoors shall not be higher than 50 dB during the day time or 45 dB during night time (after 21:00h)	3
Evaluation criteria <ul style="list-style-type: none"> Project phase: DP - Blue Print, acoustic project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: Ms – Measurement done by auditor withmeter approved by the CTC (Certification Technical Comitee). 	

b. The terrain where the building is/will be built shall not receive noise from the outside (such as highway's, industrial plants' noise) higher than 70 dB.	2
Evaluation criteria <ul style="list-style-type: none"> Project phase: DP - Blue Print with building in it, explaining distances from main sources of outside noise in a radius lower than 300 meters, and or acoustic project with strategies for diminishing external noises. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: Ms – Measurement done by auditor withmeter approved by the CTC (Certification Technical Comitee). 	

4.2. Acoustic materials and building techniques

a. For buildings with two or more floors ther shall be acoustic insulation from one floor to another, regardless of noise intensity in decibel (dB), so that by walking with shoes, or moving furniture in a higher floor can not be heard in a lower one.	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, acoustic project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) and sensorial testing. PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) and sensorial testing. 	



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DESCRIPTION	POINTS
b. Noise Permeability level between side by side rooms (separated by one wall) in the same floor must be such that a regular conversation in one room can not be perceived in the other, regardless of its intensity in dB.	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, acoustic project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Committee) and sensorial testing. PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Committee) and sensorial testing. 	
4.3. General	
a. Extra mitigation or precautions actions taken against noise and sound pollution that increase comfort, health and wellbeing of a place can receive 2 extra points by the CTC.	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, acoustic project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: By demand only. Could be Invoice, project design, Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Committee) and sensorial testing. PEB: By demand only. Could be Invoice, project design, Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Committee) and sensorial testing. 	
CHAPTER 4: TOTAL	
11	

5. QUALITY OF MATERIALS	
5.1. Heavy metals (chrome, mercury, Arsenic, lead, cadmium, Manganese)	
a. The complete absence of metals for all materials. Exception accepted for building structure metals when they are not apparent	3
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with products technical specifications. Finished building phase: DP - fiscal notes EPE: PD – fiscal notes and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis. 	
5.2. Formaldehydes and toxic gases	
a. Products that release Formaldehyde, Methanol, ozone, chlorine, Carbon monoxide, nitrogen dioxide and other combustion gases must exude less than 50 micrograms per Cubic meter ($\mu\text{g} / \text{m}^3$) in the implantation phase.	3
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: DP - fiscal notes EPE: PD – fiscal notes and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis. 	
b. Emissions above 100 micrograms Per cubic meter ($\mu\text{g} / \text{m}^3$) In the building phase completed prevents/blocks the certification.	
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with products technical specifications. Finished building phase: DP - fiscal notes EPE: PD – fiscal notes and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis. 	
Values apply to the sum of all used materials in and on a certain area, and not only individual components.	



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DESCRIPTION	POINTS
5.3. Solvents and other volatile organic compounds (VOCs), such as aliphates, aldehydes, cycloalkanins, alcohols, amines, flavors, CKW, esters, ethers, glycols, Isocyanates, acrylates, alkanes, alkenes, cycloalkanes, halogens, benzenes, hydrocarbonates, ketones, cresols, phenols, siloxanes, terpenes among others.	
a. Must exhale less than 300 micrograms per cubic meter ($\mu\text{g} / \text{m}^3$) in the implantation phase.	3
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with products technical specifications. Finished building phase: DP - fiscal notes EPE: PD – fiscal notes and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis. 	
b. Emissions greater than 1000 micrograms per cubic meter ($\mu\text{g} / \text{M}^3$) in the completed building phase prevents/blocks the certification.	
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with products technical specifications. Finished building phase: DP - fiscal notes EPE: PD – fiscal notes and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis. 	
Values apply to the sum of all used materials in and on a certain area, and not only individual components.	
5.4. Semi-volatile compounds (SCOV) as biocides, insecticides, fungicides, wood preservatives, pyrethroids, flames retardants, plasticizers, PCBs, PAHs, such as PCPs, lindane, permethrin, chlorpyrifos, DDT, dichlofluanid, PCBs (biphenyls polychlorates), dioxins.	
a. Must have maximum exhalation of 25 nanograms per cubic meter (ng / m^3) in the air and 2 micrograms per kilogram ($\mu\text{g} / \text{kg}$) when applied on surfaces of contact, and may be elevated at 10 micrograms per kilogram if applied in a non-contact surface.	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with products technical specifications. Finished building phase: DP - fiscal notes EPE: PD – fiscal notes and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis. 	
Values apply to the sum of all used materials in and on a certain area, and not only individual components.	
CHAPTER 5: TOTAL	11

6. WATER QUALITY AND PLUMBING

6.1. Plumbing pathway

a. Vertical pipes shall not be in the same wall designed to be head beds.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print with perspective or sketch. Finished building phase: VV – photograph evidence. PEB: VV – VV – photograph evidence 	

b. Horizontal pipes shall not cross the space in a way that its vertical projection is superimposed over a place designed to be a bed or a long staying place.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print with perspective or sketch. Finished building phase: VV – photograph evidence. PEB: VV – VV – photograph evidence 	

6.2. Plumbing quality



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DESCRIPTION	POINTS
a. Plumbing shall be inert chemically under all buildings temperatures and pressures, regardless if its intended use (cold or hot water).	3
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP – Water analysis, Blue print and/or description of materials. Finished building phase: VV – photograph evidence and/or Invoices of acquired products. and/ or Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: VV – VV – VV – photograph evidence and/or Invoices of acquired products. and/or Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). 	

6.3. Water Quality	
a. The development shall guaratee the removal of chlorine in more than 70% for all water used for human contact. (tap, shower, Garden, etc).	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Water analysis, Blue print and/or description of materials. Finished building phase: VV – photograph evidence and/or Invoices of acquired products. and/ or Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: VV – VV – VV – photograph evidence and/or Invoices of acquired products. and/or Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). 	
b. The development shall guaratee the removal of fluorine in more than 70% for all water used for human contact. (tap, shower, Garden, etc).	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Water analysis, Blue print and/or description of materials. Finished building phase: VV – photograph evidence and/or Invoices of acquired products. and/ or Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: VV – VV – VV – photograph evidence and/or Invoices of acquired products. and/or Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). 	
c. The development shall guaratee complete bacterial extermination for all water used for human contact. (tap, shower, Garden, etc).	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Water analysis, Blue print and/or description of materials. Finished building phase: VV – photograph evidence and/or Invoices of acquired products. and/ or Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: VV – VV – VV – photograph evidence and/or Invoices of acquired products. and/or Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). 	
d. The development shall guaratee the removal of heavy metals for all water used for human contact. (tap, shower, Garden, etc).	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Water analysis, Blue print and/or description of materials. Finished building phase: VV – photograph evidence and/or Invoices of acquired products. and/ or Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: VV – VV – VV – photograph evidence and/or Invoices of acquired products. and/or Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). 	



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DESCRIPTION	POINTS
e. The development shall guarantee the removal of odours and microparticles in suspension for all water used for human contact. (tap, shower, Garden, etc).	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Water analysis, Blue print and/or description of materials. Finished building phase: VV – photograph evidence and/or Invoices of acquired products. and/ or Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: VV – VV – VV – photograph evidence and/or Invoices of acquired products. and/or Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). 	
f. The development shall guarantee a pH higher than 7,0 and lower than 9,0 for all water used for human contact. (tap, shower, Garden, etc).	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Water analysis, Blue print and/or description of materials. Finished building phase: VV – photograph evidence and/or Invoices of acquired products. and/ or Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: VV – VV – VV – photograph evidence and/or Invoices of acquired products. and/or Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). 	
g. The development shall guarantee a pH higher than 7,0 and lower than 9,0 for all water used for human contact. (tap, shower, Garden, etc).	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Water analysis, Blue print and/or description of materials. Finished building phase: VV – photograph evidence and/or Invoices of acquired products. and/ or Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: VV – VV – VV – photograph evidence and/or Invoices of acquired products. and/or Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). 	
It is excluded from this compliance waters that are used for flushing or any other uses where the water will not touch the human body.	
h. The development shall guarantee the removal of sintetical chemical compounds (hormones, antibiotics, pesticides, herbicides for all water used for human contact. (tap, shower, Garden, etc).	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Water analysis, Blue print and/or description of materials. Finished building phase: VV – photograph evidence and/or Invoices of acquired products. and/ or Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: VV – VV – VV – photograph evidence and/or Invoices of acquired products. and/or Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). 	
CHAPTER 6: TOTAL	12

7. ELECTRICAL PROJECT

7.1. Wiring Path

a. There should be no electrical wiring at a distance less than 0.4 Meters from sites projected to for beds.

Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with electrical design project. Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the Certification Technical Committee and / or laboratory analysis. 	1
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b. Wiring must not pass through a horizontal direction in a way that in its verti- cal projection there is a site projected for beds or long-term places (living rooms, offices, etc.)

Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with electrical design project. Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the Certification Technical Committee. 	1
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DESCRIPTION	POINTS
7.2. Electromagnetic fields	
a. The emission of electric fields alternating current (AC-60Hz) should not exceed 50 Volts per meter (V / m) at a distance of 0.5 m of the wiring as well as from sites projected for beds or long-term places (Living rooms, office.)	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with electrical design project. Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the Certification Technical Committee. 	
b. Changes / Oscilations? greater than 5000 Volts per square meter prevents/ blocks the certification until corrected.	
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the Certification Technical Committee. 	
c. The emission of magnetic fields alternating current (AC-60 Hz) should not exceed 300 NanoTesla (nT) at a distance of 0.5m from the spinning as well as at projected sites for beds or long-term places (living rooms, offices, etc.)	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the Certification Technical Committee. 	
d. Changes / Oscilations? greater than 500 NanoTesla invalbilizes the certification until corrected.	
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the Certification Technical Committee. 	
e. The continuous electric fields of the internal power supply (DC-60- Hz / DC-50Hz) shall not exceed 500 Volts (V) in power of surface	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the Certification Technical Committee. 	
f. Changes / Oscilations? greater than 2000 Volts invalbilizes the certification until corrected.	
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the Certification Technical Committee. 	
g. The continuous magnetic fields ff the internal power grid (DC-60Hz / DC-50Hz) should not exceed 10 MicroTesla (μT) in density flow fluctuation	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the Certification Technical Committee. 	
h. Changes / Oscilations? greater than 40 MicroTesla (μT) invalbilizes the certification until corrected.	
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the Certification Technical Committee. 	



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DESCRIPTION	POINTS
<p>i. In long-term places (Rooms, rooms, offices, Etc.) there should be no changes / oscilations? in the Magnetic field capable of moving the pointer of a compass in more than 30 degrees at a distance of 0.5 m from the ground and 0.3 m from the walls close to sites projetec for long-term places.</p> <p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the Certification Technical Committee. 	1
<p>j. Changes / Oscilations? greater than 100 degrees prevents/blocks the certification until corrected.</p> <p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). EPE: Ms - device approved by the Certification Technical Committee. 	
<p>k. The emission of high waves frequency, above 0,8 GHz, must not exceed 200 Micro-Watts per square meter ($\mu W / M^2$) in power density for long-stay locations (Rooms, living rooms, Offices, etc.)</p> <p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: Architectural design with Illustration of the foreseen points and descriptive memorial with products technical specifications. Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). PEB: Ms - device approved by the CTC. 	3
<p>l. Changes greater than 1000 MicroWatts per square meter prevents/blocks the certification until corrected.</p> <p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: Architectural design with Illustration of the foreseen points and descriptive memorial with products technical specifications. Finished building phase: Ms - device approved by the Certification Technical Committee (CTC). PEB: Ms - device approved by the CTC. 	
<p>m. Radioactivity in the environment shall not exceed 170 NanoSievert per hour (nSv / h)</p> <p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with product specifications sheet. Finished building phase: DP - fiscal notes EPE: PD - fiscal notes and / or Ms - device approved by the Certification Technical Committee. 	1
<p>n. Changes greater than 340 NanoSievert per hour (nSv / h) invialbilizes the certification until corrected.</p> <p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with product specifications sheet. Finished building phase: DP - fiscal notes EPE: PD - fiscal notes and / or Ms - device approved by the Certification Technical Committee. 	
CHAPTER 7: TOTAL	12

8. INDOOR AIR QUALITY

8.1. Ventilation

<p>a. Projects with no natural ventilation need an indoor air quality mitigation plan or it will have the certification process denied.</p> <p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Invoice, project design, Ms - Measurement done by auditor with meter approved by the CTC (Certification Technical Comittee) and sensorial testing. PEB: Invoice, project design, Ms - Measurement done by auditor with meter approved by the CTC (Certification Technical Comittee) and sensorial testing. 	
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- Caution Items that need more technical explanations
- Extra point items

Legenda:

PP: Project phase; FBP: Finished Building Phase; NA: Not Applicable; CTC: Certification technical Commission.

Evaluation criteria:

Ms: measurement; VV: visual verification; TV: Technical Verification (TV); DP: Document Proof; PEB: Pre-Existing Building.

DESCRIPTION	POINTS
8.2. Oxigen	
a. If Oxigen concentration in a long staying place, with doors and windows closed, is lower than 15% loses 3 points.	-3
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: Ms – Measurement done by auditor withmeter approved by the CTC (Certification Technical Comitee). 	
8.3. Carbon Dioxide	
a. Carbon Dioxide concentration shall not be higher than 1000 ppm (parts per million), with doors and windows closed.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: Ms – Measurement done by auditor withmeter approved by the CTC (Certification Technical Comitee). 	
8.4. Carbon Monoxide	
a. Carbon Monoxide Concentration shall not be higher than 5 ppm (parts per million), with doors and windows closed.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: Ms – Measurement done by auditor withmeter approved by the CTC (Certification Technical Comitee). 	
8.5. Chemical compounds emmiting sets	
a. Corporate buildings that use machines that might cause chemical emissions in the air (like printers, photocopy machines, fac símile machines) shall have a separate room with exclusive ventilation apart from the ventilation that serves people.	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee). 	
8.6. Particles and fibers (dust, air particles, asbestos, mineral fibers)	
a. No building material shall have asbestos as parto f its componentes. The presence of asbestos leads to the denial of the certification.	-
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Description of materials. Finished building phase: Invoice, project design and/or technical lab analysis. PEB: Invoice, project design and/or technical lab analysis. 	



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Evaluation criteria:

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DESCRIPTION	POINTS
b. Other building materials shall not be presente in the air in a ratio higher than 200 parts per cubic meter (ppm³).	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). 	
8.7. Ionizing charges	
a. Ionizing charges must be higher than 200 units per cubic meter of air (cm³).	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). 	
b. The application of inovative materials or products that increase quantity or quality o fair ionization may receive an extra point from the CTC.	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
8.8. Air electricity	
a. Air electricity shall not be higher than 500 Volts per meter (V/m).	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee). 	
8.9. Higroscopy	
a. Walls must be difusable and higroscopic, so that chemical concentrations are naturally balanced. Exception to walls directly connected to water appliances (shower, sink, etc).	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
b. System that use a natural way of regulating humidity and difusion of chemical concentration may be awarded one extra point by decision of the comission	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
8.10. Temperature	



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Evaluation criteria:

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DESCRIPTION	POINTS
a. Systems of cooling the temperature based only in natural means	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
b. Mixed cooling systems (natural and appliances)	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
c. Temperature Cooling systems based only in appliances lose two points	-2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
d. Temperature Heating systems based only in darianting heat.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
e. Temperature heating systems based exclusively in radiating heat generated by the sun	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
f. Tempertura heating systems based in mixed systems (radiating and convection)	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
g. Tempertura heating systems based only in convection heat lose two points.	-2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Blue Print, ventilation project and/or description of materials, methods and strategies used to achieve the item goal. Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
8.11. Mold	



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Evaluation criteria:

Ms: measurement; VV: visual verification; TV: Technical Verification (TV); DP: Document Proof; PEB: Pre-Existing Building.

DESCRIPTION	POINTS
a. No mold shall be visible. The presence of visible mold invalidates the certification process.	
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
b. No mold hazard to human health shall be presente in concentrations higher than indicated by local oficial laws. The presence of such molds invalidates the certification process.	
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
c. The amount of any given mold in the interior of a building after construction is finished with doors and Windows closed shall not be higher than 500 per cubic meter (m³)	
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	1
d. Building Materials that kill mold when applied to any surfasse (paints, walls, toilet seats, metals, etc) shall not contain harmful chemicals accordngly to the parameters of indoor air quality and quality of building materials (items 5 and 8).	
Evaluation criteria: <ul style="list-style-type: none"> Project phase:: DP - Descriptive memorial with products technical specifications. Finished building phase: DP - Invoices and /or laboratory analysis. EPE: PD – Invoices and /or laboratory analysis 	-2
8.12. Bacteria	
a. No bacteria hazard to human health shall be presente in concentrations higher than indicated by local oficial laws. The presence of such molds invalidates the certification process.	
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	
b. The types and amounts of any given bacteria in the interior of a building after construction is finished with doors and Windows closed shall similar or lesser than the bactéria found in the air imediately out of the building	
Evaluation criteria: <ul style="list-style-type: none"> Project phase: Not Applicable Finished building phase: Ms – Measurement done by auditor with meter approved by the CTC (Certification Technical Comitee) or VV – Visual Verification PEB: Ms – Measurement done by auditor with meter approved by the CTC (Certification Techynical Comitee) or VV – Visual Verification. 	1
c. Building Materials that kill bacteria when applied to any surfasse (paints, walls, toilet seats, metals, etc) shall not contain harmful chemicals accordngly to the parameters of indoor air quality and quality of building materials (items 5 and 8).	
Evaluation criteria: <ul style="list-style-type: none"> Project phase:: DP - Descriptive memorial with products technical specifications. Finished building phase: DP - Invoices and /or laboratory analysis. EPE: PD – Invoices and /or laboratory analysis. 	-2
CHAPTER 8: TOTAL	21
POINT LOSS POSSIBILITIES	9



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Evaluation criteria:

Ms: measurement; VV: visual verification; TV: Technical Verification (TV); DP: Document Proof; PEB: Pre-Existing Building.

DESCRIPTION	POINTS
9. LANDSCAPING AND COMMON AREAS	
9.1. Landscape design points	
a. Lack of a minimum landscaping project, even if only in interior areas and plants vessels.	-2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP – Landscape project. Finished building phase: DP- Fiscal notes and VV - photographic proof. EPE: PD - fiscal notes and VV - photographic proof. 	
b. For indoor spaces, presence of an average foliage plant per cubic meter (m³), or a large foliage plant for every 3 cubic meters of continuous spaces (without walls or partitns)	4
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP – Landscape project with specification of each used species per Cubic meter. Finished building phase: DP- Fiscal notes and VV - photographic proof. EPE: PD - fiscal notes and VV - photographic proof. 	
c. The types of plants to be used in landscape projects must be according to the conditions of Brightness, temperature and Irrigation of their respective species.	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP – Landscape project with specification of species characteristics. Finished building phase: DP- Fiscal notes and VV - photographic proof. EPE: PD - fiscal notes and VV - photographic proof. 	
d. Substrates and fertilization should use onlu NON - toxic products.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase:: DP - Descriptive memorial with products technical specifications. Finished building phase: DP - fiscal notes and /or laboratory analysis. EPE: PD – fiscal notes and /or laboratory analysis. 	
e. Substrates and fertilization which use organic origin will receive an extra point.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase:: DP - Descriptive memorial with products technical specifications of organic products. Finished building phase: DP fiscal notes and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis. EPE: PD – fiscal notes and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis. 	
f. The presence of renewed toxic plants for intake, reduces one point of the certification	-1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP – Landscape project with specification of species characteristics. Finished building phase: DP- Fiscal notes and VV - photographic proof. EPE: PD - fiscal notes and TV- technical verification. 	
g. Projects that includes, more than 30% of eatable species will be granted one extra point.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP – Landscape project with specification of species characteristics. Finished building phase: DP- Fiscal notes and VV - photographic proof. EPE: PD - fiscal notes and TV- technical verification. 	
h. Projects that consider flowering throughout the year, through the utilization of different species of plants, will be granted one extra point.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP – Landscape project with specification of species characteristics. Finished building phase: DP- Fiscal notes and VV - photographic proof. EPE: PD - fiscal notes and TV- technical verification. 	
9.2. Common areas must have large green areas	



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Evaluation criteria:

Ms: measurement; VV: visual verification; TV: Technical Verification (TV); DP: Document Proof; PEB: Pre-Existing Building.

DESCRIPTION	POINTS
a. From 30 to 49.99% of green areas in relation to the total land area.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP – Architectural project with implementation project. Finished building phase: DP- Fiscal notes and VV - photographic proof. EPE: PD - fiscal notes and TV- technical verification. 	
b. From 50 to 69.99% of green areas in relation to the total land areas.	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP – Architectural project with implementation project. Finished building phase: DP- Fiscal notes and VV - photographic proof. EPE: PD - fiscal notes and TV- technical verification. 	
c. More than 70% of green areas in relation to the total land areas	3
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP – Architectural project with implementation project. Finished building phase: DP- Fiscal notes and VV - photographic proof. EPE: PD - fiscal notes and TV- technical verification. 	
9.3. Leisure areas	
a. Projects that have social and leisure areas capable of supporting more than 10% of the total number of users to what was projected.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP – Architectonic and/ or landscaping project. Finished building phase: DP- Fiscal notes and VV - photographic proof. EPE: PD - fiscal notes and TV- technical verification. 	
9.4. Fitness Areas	
a. Projects that have areas for physical activities, capable of supporting more than 5% of the total number of users for what the area was designed.	1
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP – Architectonic and/ or landscaping project with descriptive memorial containing used or foreseen products technical specification . Finished building phase: DP- VV - photographic proof. EPE: PD - fiscal notes and TV- technical verification. 	
CHAPTER 9: TOTAL	18
POINT LOSS POSSIBILITIES	3

10. SUSTENTABILIDADE

The items in this chapter, with exception to item B, also known in the Market as building sustainability parameters, can receive extra points by evaluation of the Technical Commission, accordingly to the items below.

10.1. Applied Building Materials

a. Building materials with more than 70% of natural components and from renewable sources, when present in more than 70% of the entire building get an extra point.

- Evaluation criteria:
- Project phase: DP - Descriptive memorial with products technical specifications.
 - Finished building phase: DP - Invoices
 - EPE: PD – Invoices and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis.

1

b. When more than 50% of the entire building is made of synthetic or altered building material the Project loses one point

- Evaluation criteria:
- Project phase: DP - Descriptive memorial with products technical specifications.
 - Finished building phase: DP - Invoices
 - EPE: PD – Invoices and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis.

-1



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Evaluation criteria:

Ms: measurement; VV: visual verification; TV: Technical Verification (TV); DP: Document Proof; PEB: Pre-Existing Building.

DESCRIPTION	POINTS
c. The use of rare and non renewable materials shall be reduced to the maximum. Projects that show outstanding reduction in the use of non renewable materials (like concrete and metals) get 3 extra points.	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with products technical specifications. Finished building phase: DP - Invoices EPE: PD – Invoices and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis. 	
10.2. Residues	
a. Projects with residue management, including ways of dealing with construction debris or renewable discharge of debris get 3 extra points.	2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with products technical specifications. Finished building phase: DP - Invoices EPE: PD – Invoices and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis 	
10.3. Water	
a. Projects with management, inteligente use and discharge of water may get up to 10 extra points.	1 a 10
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with products technical specifications. Finished building phase: DP - Invoices EPE: PD – Invoices and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis. 	
10.4. Energy	
a. Projects with eficiente reduction of energy use (higher than 10%) in the maintenance of a building, without hurting the other Healthy criteria, can get up to 2 extra points.	1 a 2
Evaluation criteria: <ul style="list-style-type: none"> Project phase: DP - Descriptive memorial with products technical specifications. Finished building phase: DP - Invoices EPE: PD – Invoices and / or Ms - device approved by the Certification Technical Committee and / or laboratory analysis. 	
10.5. Other Certification Systems	
a. Projects awarded with other certification systems focused in sustainability in the built environment get one extra point for each certification.	1 for each certification
Evaluation criteria: <ul style="list-style-type: none"> Project phase: comprobatory document. Finished building phase: comprobatory document. EPE: PD – comprobatory document. 	
10.6. Social Activities	
a. Projects that give back to the comunity trying to reduce the social impact they create while being constructed can get up to 5 points extra.	up to 5
Evaluation criteria: <ul style="list-style-type: none"> Project phase: comprobatory document. Finished building phase: comprobatory document. EPE: PD – comprobatory document.. 	
CHAPTER 10: TOTAL	14
POINT LOSS POSSIBILITIES	1

DESCRIPTION	POINTS
11. MAINTENANCE OF THE CERTIFIED BUILDING	
<p>a. Maintenance procedures, with respect to the processes used (air cleaning Conditioning, duct cleaning Pipes and fittings, access and And etc.) should be contained in a simple and easy-to-read manual with free access to the final user.</p> <p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP – Healthy Maintenance Manual- chap. 1. Finished building phase: DP- Healthy Maintenance Manual- chap. 1. EPE: DP Healthy Maintenance Manual- chap. 1. 	3
<p>b. The consumer products utilized in the construction and foreseen in the project, considered within the standards of this certification, shall be related in a simple and easy-to-read manual with free access to the final user.</p> <p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP – Healthy Maintenance Manual- chap. 2. Finished building phase: DP- Healthy Maintenance Manual- chap. 2. EPE: DP Healthy Maintenance Manual- chap. 2. 	3
<p>c. Cleaning products that better conservates the furnishing and other components of the materials, that are proved to have low or no toxicity levels by reports of each component, and considred within the standards of this Certification shall be related in a simple and easy- to –read manual with free access to the final user.</p> <p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP – Healthy Maintenance Manual- chap. 3. Finished building phase: DP- Healthy Maintenance Manual- chap. 3. EPE: DP Healthy Maintenance Manual- chap. 3. 	3
<p>d. Water reservoirs should have easy access and maintenance.</p> <p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP – Architectural project. Finished building phase: DP- VV - Visual verificacion. EPE: DP VV - Visual verificacion. 	1
<p>e. When electrical/electronic installations and products and automation systems are described in a memorandum and possess the capacity to emit less electro-magnetic fields in the night period, depending on the action of the user, or if they are programmed to automatically reduce these emissions during the night period, they will be granted up to 5 extra points, depending on the Commission decision.</p> <p>Evaluation criteria:</p> <ul style="list-style-type: none"> Project phase: DP – The memorandum itself. Finished building phase: DP- The memorandum itself EPE: DP The memorandum itself. 	1-5
CHAPTER 11: TOTAL	15



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PP: Project phase; FBP: Finished Building Phase; NA: Not Applicable; CTC: Certification technical Commission.

Evaluation criteria:

Ms: measurement; VV: visual verification; TV: Technical Verification (TV); DP: Document Proof; PEB: Pre-Existing Building.