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FIRST THINGS FIRST

First, briefly about me and how I came to design a sign system for all Bitcoin units: I am a graphic designer and have my own small graphic studio in Switzerland (Galliker Design, www.gallikerdesign.ch). Actually I don't have much to do with Bitcoin. I have heard and read about it (of course), and own few Satoshi myself. However, my boyfriend is at home in the Bitcoin world (for quite a long time). And so he asked me about a year ago if I would like to design a Satoshi logo. There were already some suggestions but it seems none was really accepted. I just had time and not very much to do, so I started to work on a sign for Satoshi. But at that time I didn't make much progress and at some point the project was abandoned and I forgot about it.

Some days ago I wanted to design another t-shirt for the Bitcoin world and so I rediscovered my designs for the Satoshi logo. And somehow it grabbed me and I started again from scratch with the design for a Satoshi logo. Now, as I said - I'm not very involved in Bitcoin and so I don't know much about it. So I came up with the small „b" with two dashes. For the simple reason that it made the most sense to me. Because the capital letter „B" with two dashes is the logo of Bitcoin and because Satoshi is a part of Bitcoin it was logical for me that it has to be the small „b" - also because it creates a connection to the Bitcoin logo.

Maybe some of you saw it last week in this forum. I showed it to my boyfriend and he put it on Bitcointalk. Some of you liked it a lot (since something new), which of course made me super happy (after all, I'm not some world famous designer or something, but as I said, I just have my little „one-woman" studio here). Others have (correctly) pointed out that it could lead to misunderstandings, because of the unit „bit". And so I learned that there are not only the units Bitcoin and Satoshi but also „millibit", „bit" and „millisat".. (And yes, before I started designing enthusiastically, I probably could have done some more research).

But anyway... Somehow that triggered me. I don't know if you know this feeling? When you can't get a project or an idea out of your head and you think about it all the time and it won't let you go and there is like nothing else in the world? Well, that's what happened to me... I had to realize the idea that had popped up in my head and so I worked on it from Friday to Monday in almost every available minute. And the result is an expandable system for the units of Bitcoin (in case there are more subdivisions in the future). For the logo characters I reconstructed the Bitcoin-B font and created the characters and ligatures „mb", „b", „S" and „mS". Always with two horizontal strokes, which serve that they

1. stand out from the normal font (if they should be used for example in a text),

2. strokes with letters are used a lot for currency signs, so it simplifies when using the link to a currency unit to make and

3. all characters together including the Bitcoin-B to a unit, so not only the orange but also the sign itself builds a relationship to the original B, which is known, and simplifies for viewers a „link" to the currency Bitcoin.

And yes, somehow it would be a bit too crazy if these signs developed by me would catch on and I know the chances are vanishingly small. Because there are already so many users and there are also already various great characters for Satoshi, which also could not really prevail so far. But now I have already invested so much time and work that it would be pretty stupid of me if I would not tell you that I have created these logos and why and that you can use them if you want.

Anyway, I really think that this is the best and most logical solution so far (I hope that doesn't sound conceited). It's simple, logical, expandable and based on the original „B" logo. And yes, if it were up to me I would design another more modern font for the B of Bitcoin or maybe a completely different sign. But the original is integrated and everyone knows it, and so in my opinion the rest of the signs need to be based on that. And yes, I think it makes sense to integrate individual signs for the Bitcoin units in addition to the abbreviations, for the simple reason that individual characters are clearer and easier to understand. Otherwise, there would be no characters for other currencies, such as the $ sign, or they would not be used at all and only the

abbreviation (USD) would be in us for the US dollar. And imagine Scrooge McDuck would always have (USD) (USD) in his eyes instead of the $ sign. Or in the future always only (BTC) (BTC) instead of the Bitcoin sign. That would just look stupid, wouldn't it? ;)

So, if you like the units I designed in addition to the bitcoin logo - feel free and use them. On my website you can find all logos in all possible file formats including as font file ready for free download (once rotated by 14 degrees and once straight). I put the logos I designed under the Free Art License v1.3, so that everybody can use the signs for free, nobody can protect the signs and everybody can integrate them for example into his own font and adapt them as he likes.

If you decide to use the signs I would be very happy if you let me know by e-mail (info@gallikerdesign.ch) and give me the permission to mention your name/company on my website. It would make me super proud if any company or person uses the signs and starts integrating them into the bitcoin world. But of course it's also fine if you want to remain anonymous and don't want your name or company published on my website.

Design criteria
I developed the system according to the following criteria:

» Uniqueness
» Recognizability
» Related to the Bitcoin symbol
» Recognizable as currency symbol
» Simple
» Translate well to other fonts (like other currency symbols)
» Functionality with Unicode
» Must work extremely small and extremely large
» Must be expandable

By the Way
I translated the whole text with Deepl, so don't blame me for mistakes. :)

All data are available to everyone free of charge. But if you want to support my work, you can send me at this address a few ⟁ :

bc1qarg8m5dee7f96r2tl933wzym8u4xxumds2f5rp

How to use them
Just download the font files (on www.gallikerdesign.ch/btc-signs.html) and integrate them into your system.

FROM THE FONT TO THE SIGNS

First I designed the glyphs, starting with the small "b". From this I developed the "n", from this the "m" and finally the capital "S". For "millibit" as well as for "milliSat" I constructed ligatures with the "mb" and the "mS". The "m" and the "b" are lowercase letters, because they do not have a whole proper name, i.e. they are word combinations, whereas Bitcoin and Satoshi are proper nouns. That's why I chose the capital letter for the "S" for Satoshi.

On the following pages, you see a documentation how I constructed them.
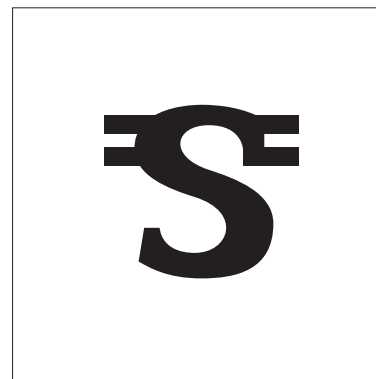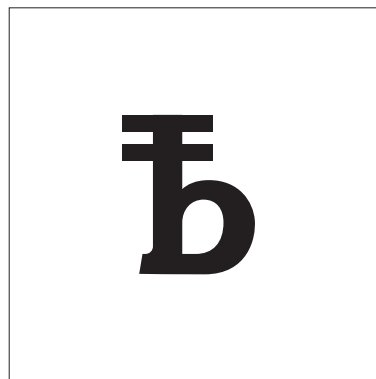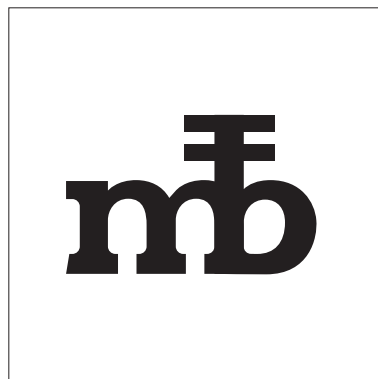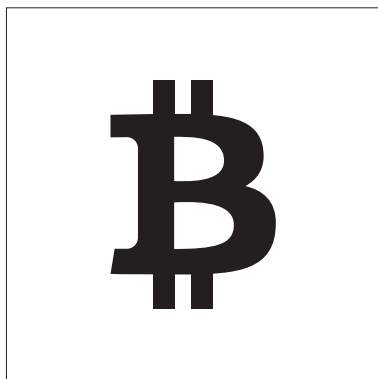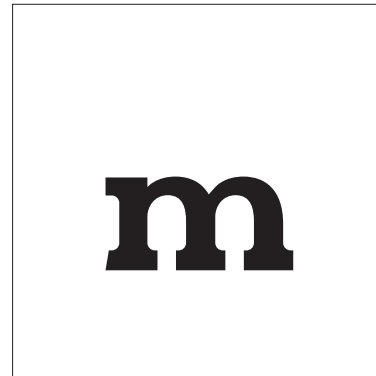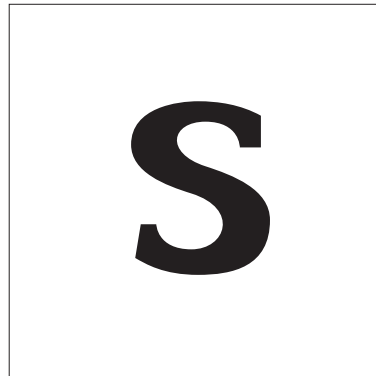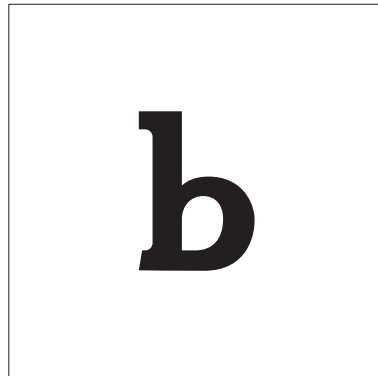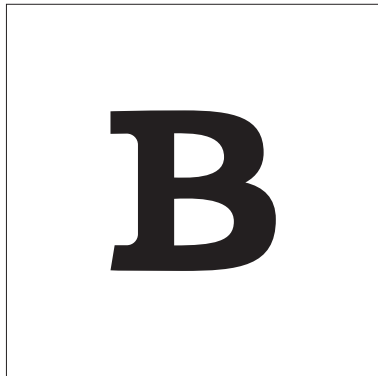
BITCOIN LOGO

This is the original Bitcoin-logo. I wasn't able to find it as a vector file, so I had vectorize it. When I was doing so, I found some design flaws, that really stressed me.

(1) The slim bow which goes from the serif to the upper and the lower B-bow weren't in a line (you can see the corner where the serif meets the first line of the vertical currency line) the line from the serif wasn't continuosly and

(2) the two short currency lines weren't at the same high as the inner line from the inner space of the two empty spaces from the B.

(3) Also the radius where the serifs and the vertical line of the B meet weren't the same. I just corrected this. You find the corrected version of the Bitcoin-Sign also available for download.
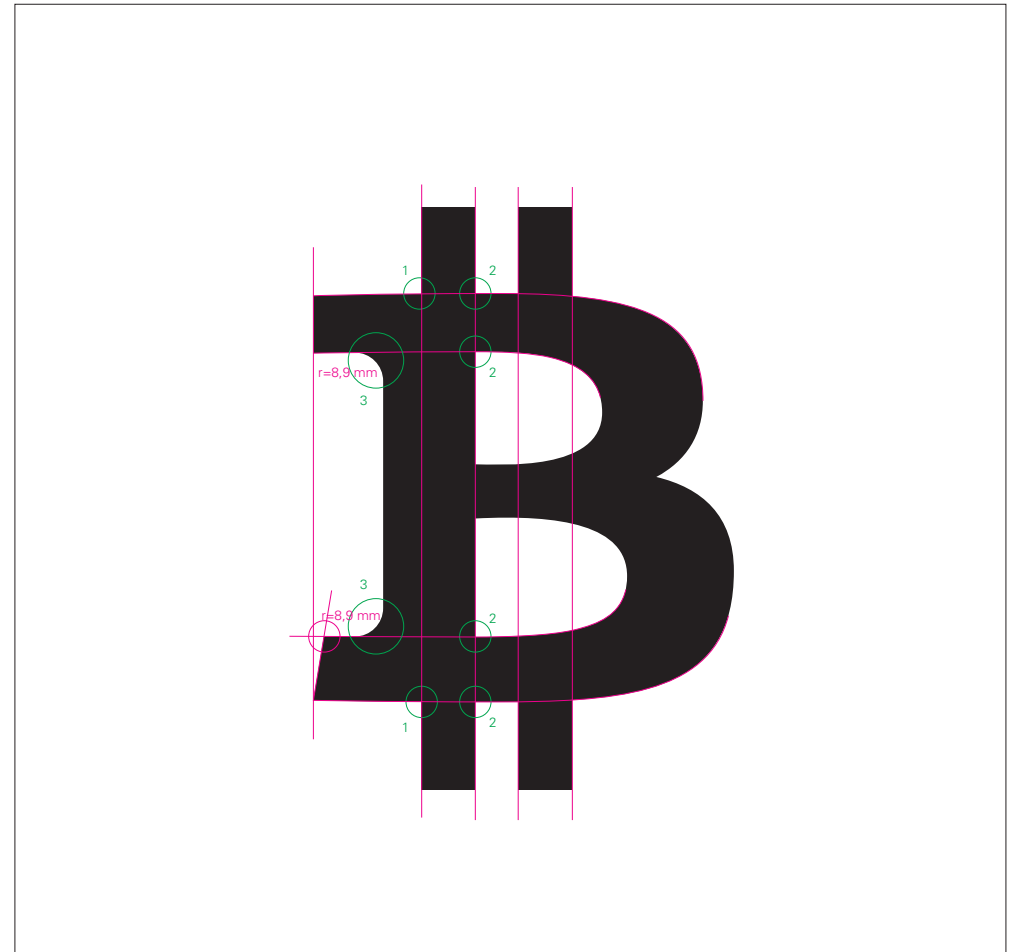
MILLIBIT LOGO

This is how I constructed the ligature for the millibit logo. The "b" is the same as for the bit logo. I put the "m" in front of the "b" and connected it to the "b" so that it merges into one glyph. (1) The oblique line at the serif, as well as (2) the rounded corners have the same size and radius as for the "b". The inner serifs (3) of the "n" are 4/11 narrower so that the "m" does not appear heavier than the lowercase "b" (compare (3) and (5)). (4) The upper curves of the "m" are the same height as the upper curve of the belly of the "b". (5) The upper serif has the same length as the outer serifs of the "m". The lower serif, according to the concept that only the lowest left serif

has a slanting section and because it is a serif within the letter, has the length of the inner "m" serifs (see (3). (6) I left the corner of the belly of the "b" so that the white space remains the same and the "b" remains more recognizable. This way, two single letters form a complete ligature.

In the finished character for the millibit logo, I used (7) the same sizes and lengths for the two currency strokes as for the bit logo. Also here (8) are the currency strokes without the rounded corners, which are used for the serifs, because they are additions and do not belong to the letter in that sense.
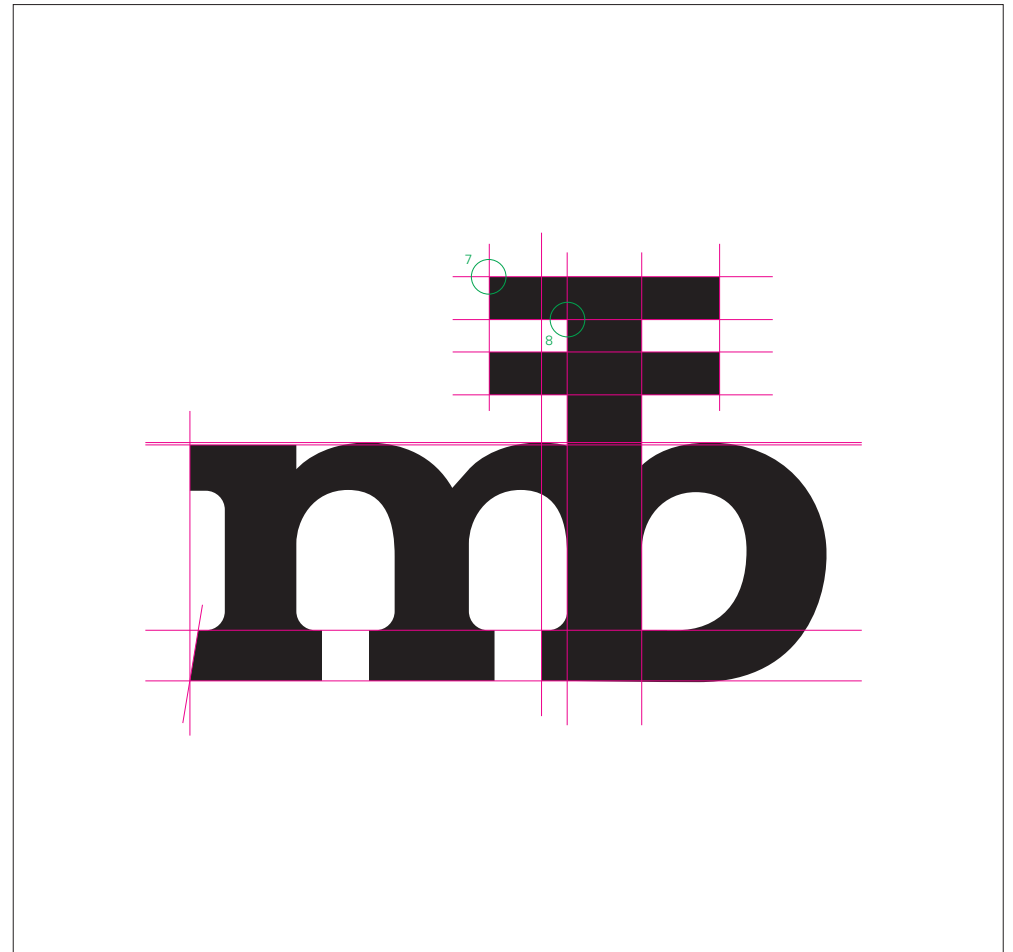
BIT LOGO

The lowercase "b" for the "bit" logo was the first letter, usually in type design you start with the lowercase "n", but for me the lowercase "b" was somehow easier here. (1) I took the slanting stroke at the serif from the capital "B". (2) The rounded corners at the transition of the serif to the letter are the same size at the top as at the bottom and run through all lowercase letters. They are smaller than in the capital letter "B" because it would have looked strange if the curves had the same size as in the capital "B". (3) The thickness of the lowest part of the belly of the "b" is the same as that of the serif, so that it looks like a line. (4) The upper serif is less high, but has the same length as the lower serif (like the capital "B"). (5) Is the baseline. Visually, the arcs must go a bit above it, so that they don't look too small. (6) Forms the x-height. (7) The small "b" goes to the H-height and forms the upper end of the letter.

(8) The upper stroke of the currency strokes replaces the upper serif of the "b". It is longer than the serif of the "b", so that it is distinguished as a currency bar. (9) The roundings, from the serifs are not used, because the currency strokes are additions to the letter and thus stand out better and clearer from the lowercase letter "b".
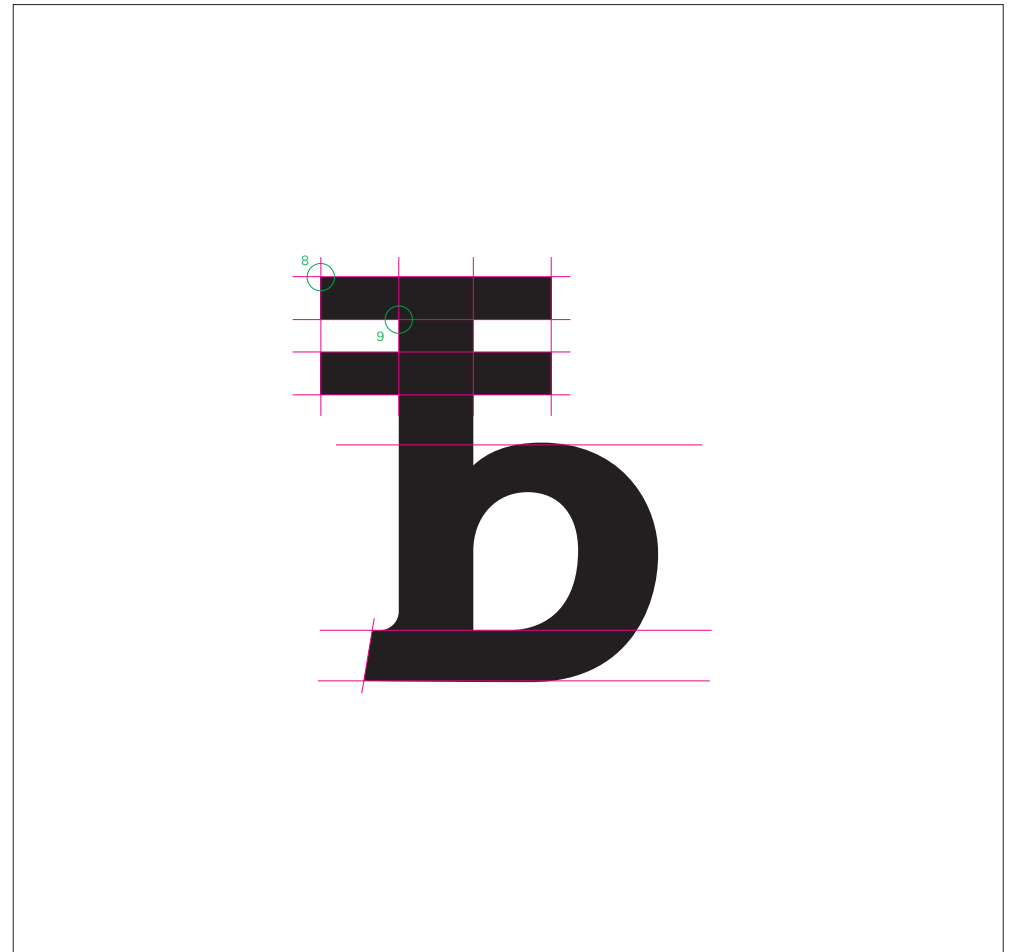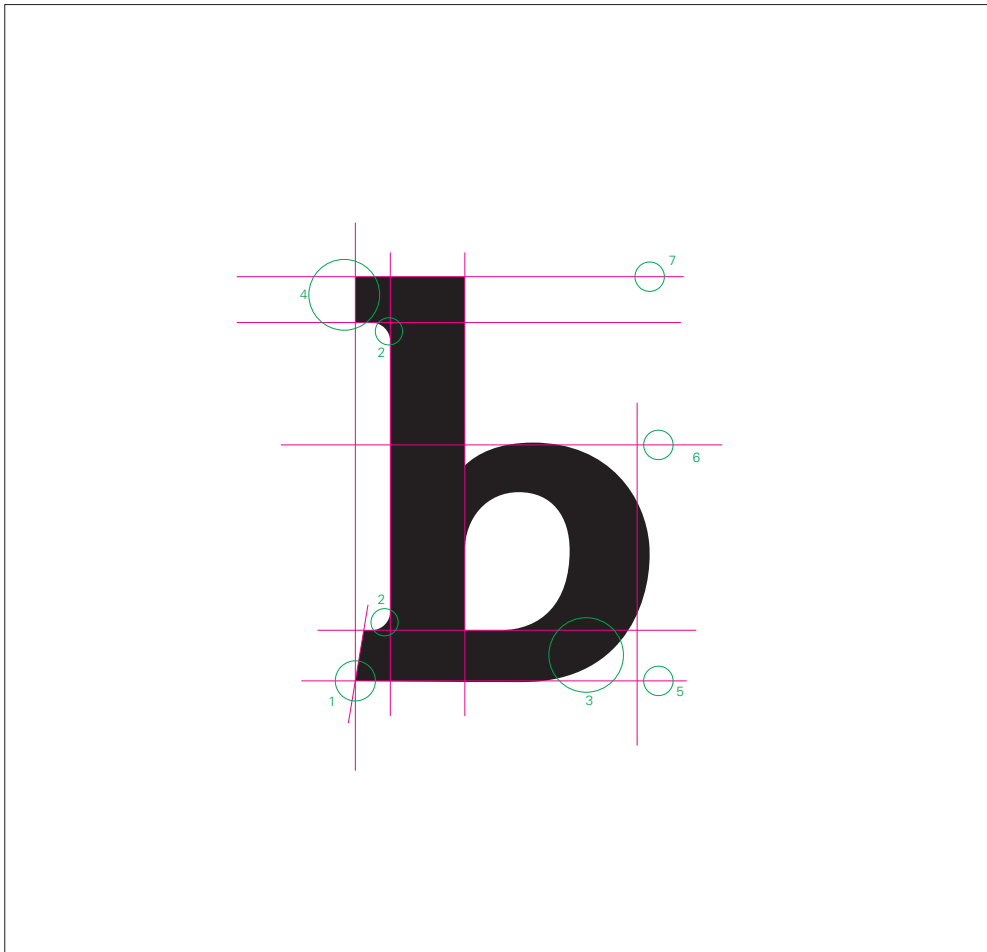
SATOSHI LOGO

The capital letter "S" was the last letter. It was the most difficult letter for me to construct. On the one hand, so that the "S" fits nicely into the font like the other letters, on the other hand, so that it then also became a nice independent sign as a currency sign and did not somehow fall out of line. (1) The serifs on the S are "hidden" but still recognizable. Again, there is the same slanted drop as with the "B". (2) The lower serif is slightly higher than the upper one, so that the upper one doesn't visually press on the lower one. (3) The upper and lower outer curves of the "S" go further outward to accommodate the width of the "B" and create a balance. The upper bow, however, is slightly narrower in thickness. (4) The upper serif ends a bit below the "H" height to make the letter look the same size. (5) Here I had to trick a bit, and make the upper bow of the "S" a bit higher, so that the bow

is still recognizable when using the currency strokes (10) even if the sign is only displayed in 12 pt, for example, and the currency strokes themselves had to hang at the top of the H-height, so that they were not lower than the currency strokes of the lowercase "b". The outer axes of the "S" are exactly in the center, while the inner axes (6) are each shifted in the other direction, which gives the letter a better balance. (7) the length of the currency strokes on the left are at the same height as the outer edge of the lower serif, so that they do not appear optically too long and "pull" the character back-wards. (8, 9), the height and length of the currency strokes is visually adapt-ed to the Bitcoin character, but they are slightly narrower and smaller, be-cause they would look too bold in exactly the same size. As with the large Bitcoin B, the currency bars do not go through the letter.
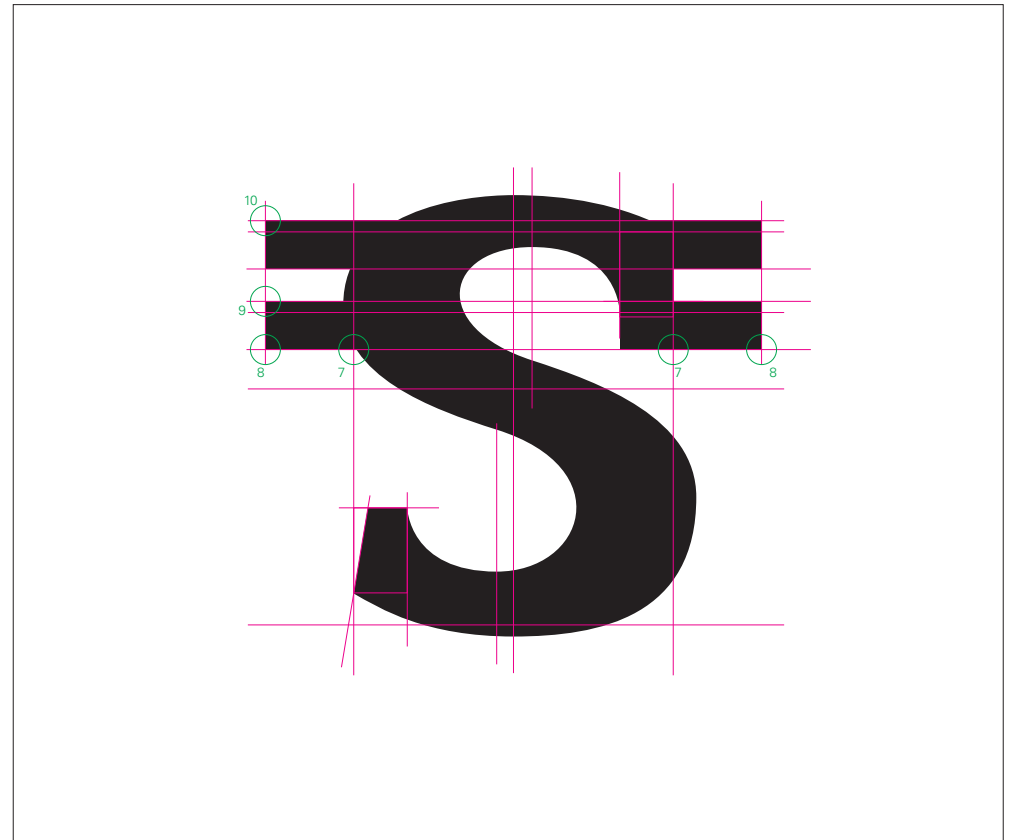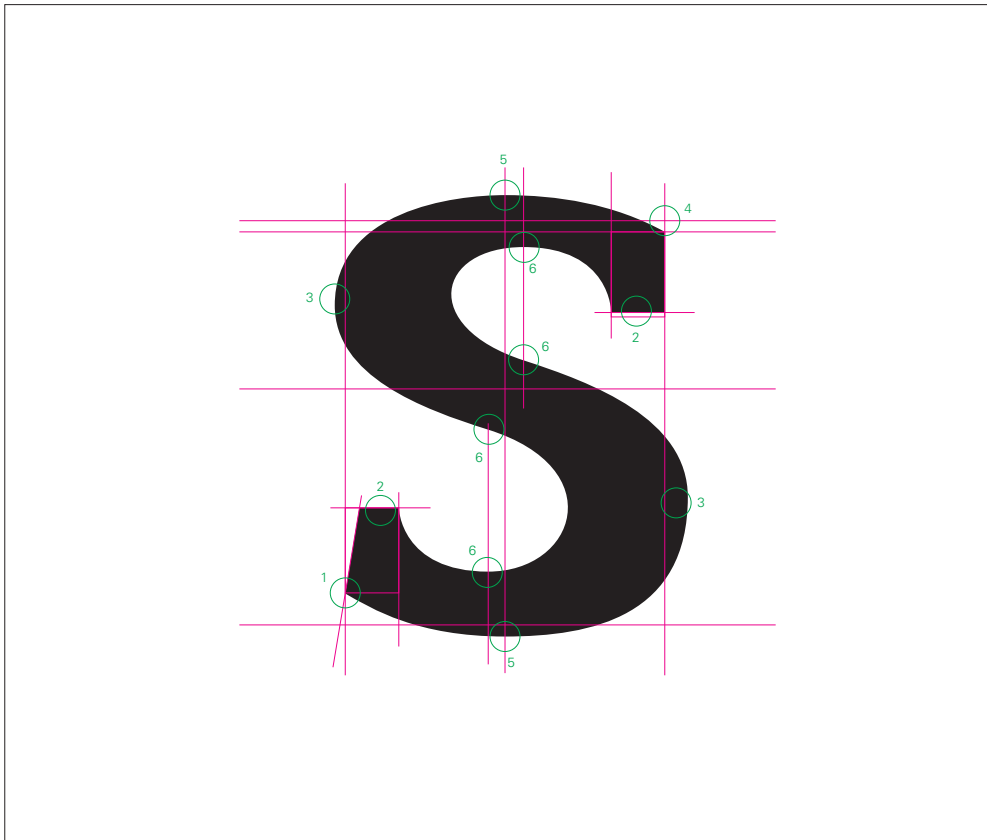
MILLISATOSHI LOGO

The ligature respectively the sign for Millisat was the last sign. Now you may think. Ah, a mistake, she used the capital letter "S" instead of taking a lower case letter, as in "bit" and "millibit". However, this is not the case. There are two reasons why I used the upper case letter. 1. a smaller unit than Satoshi is not represented in the code. 2. "millibit" and "bit" do not come from the word "Bitcoin" but from the unit "bit", "millisat" or "millisatoshi" does come from "Satoshi". Again, as with millibit-sign, the "m" retains its (1, 2)serifs including the slanted downstroke and the rounded transition from the serif to the base of the letter. Also the serifs inside the "m" (3). And as in "millib-

it", the "m" keeps the last inner serif, but loses the last serif (4), because of the connection to the "S". The "S" is exactly the same as the "S" for Satoshi, also the two currency strokes hang from the H-height of the glyph and are exactly the same size as in the Satoshi sign (5, 6, 7, 8) and as in the Satoshi sign, the currency strokes do not pass through the letter. This also makes the last character a unique, understandable symbol while keeping the recognition value of the Bitcoin symbol.
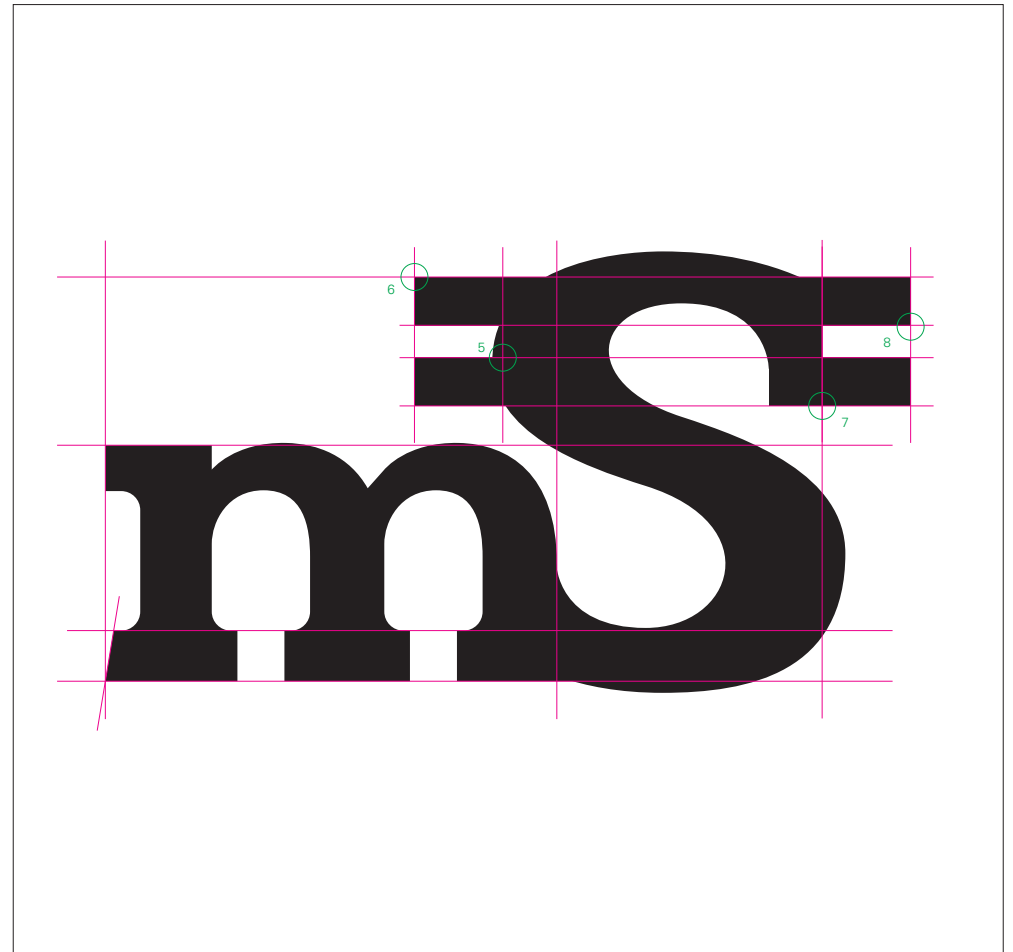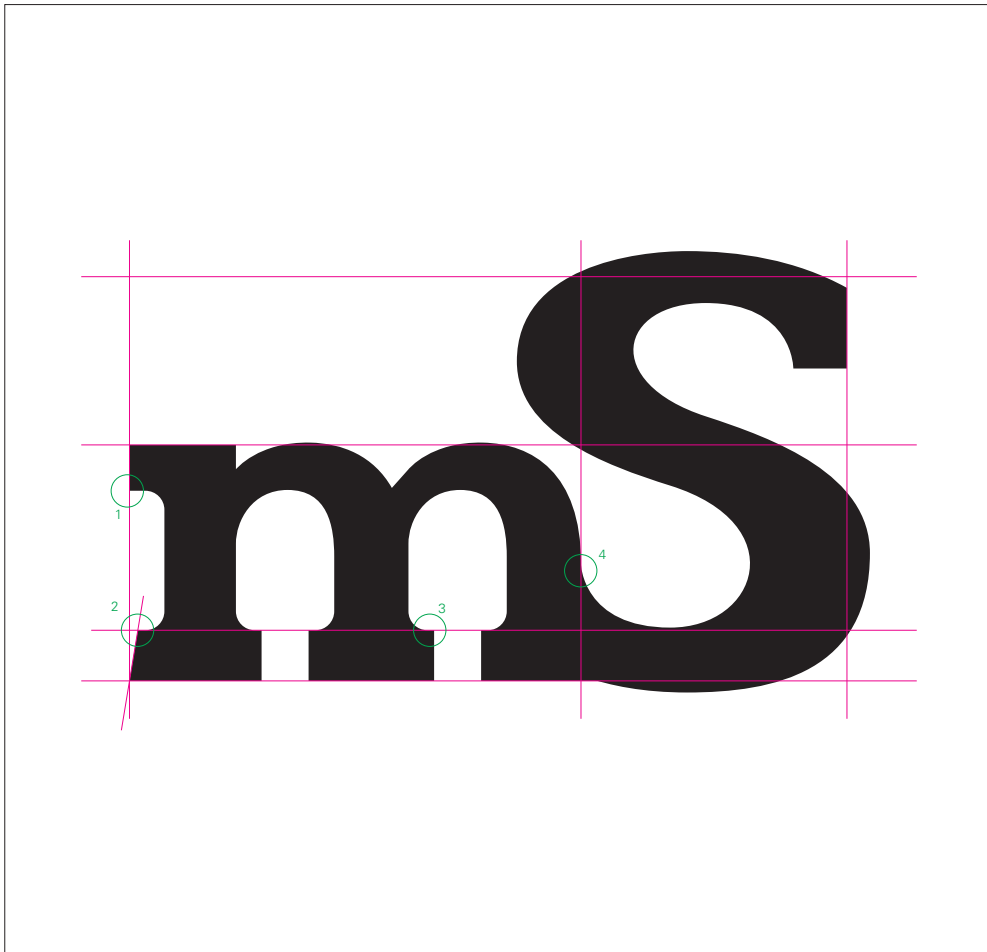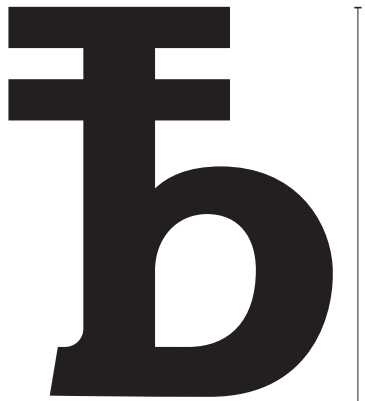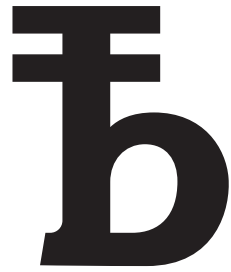
ALL ICONS IN ORANGE, AND WHITE IN AN ORANGE CIRCLE
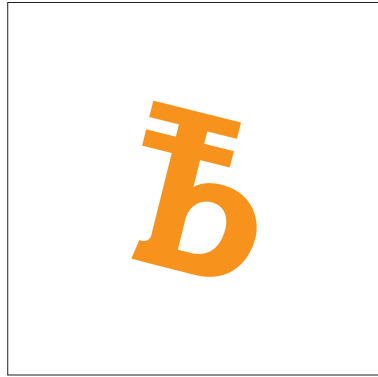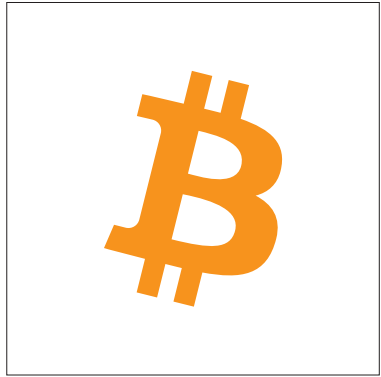
SIZE CHART

Bitcoin-Icon

h = 60 mm

h = 40 mm

h = 20 mm

h = 10 mm

Bitcoin sign as a Font
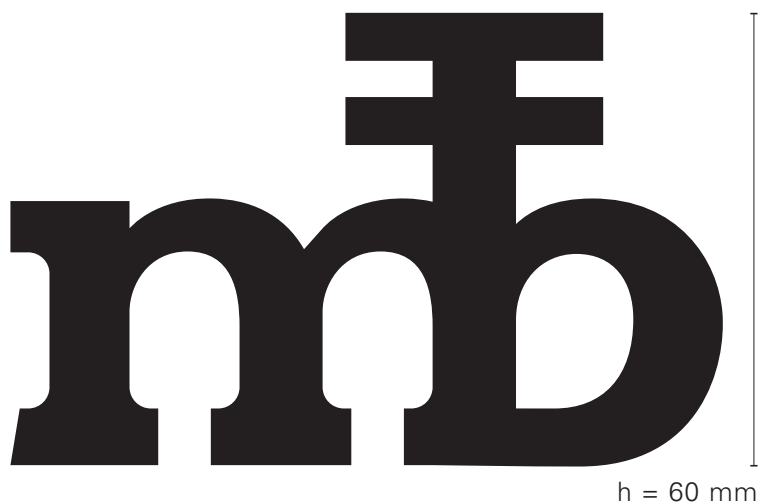
Ƀ100pt Ƀ80pt

Ƀ60pt Ƀ40pt Ƀ30pt Ƀ20pt Ƀ16pt Ƀ14pt Ƀ12pt Ƀ10pt

SIZE CHART

Millibit-Icon

h = 60 mm

h = 40 mm

h = 20 mm

h = 10 mm

Millibit sign as a Font

 100pt

 80pt

 60pt

 40pt

 30pt

 20pt

 16pt

 14pt

 12pt

 10pt

SIZE CHART

Millisatoshi-Icon

Ꚍ

h = 60 mm

Ꚍ

h = 40 mm

Ꚍ

h = 20 mm

Ꚍ

h = 10 mm

Millibit sign as a Font

Ꚍ100pt Ꚍ80pt

Ꚍ60pt Ꚍ40pt Ꚍ30pt Ꚍ20pt Ꚍ16pt Ꚍ14pt Ꚍ12pt Ꚍ10pt

SIZE CHART

Millisatoshi-Icon

h = 60 mm

h = 40 mm

h = 20 mm

h = 10 mm

Millibit sign as a Font

100pt

80pt

60pt

40pt

30pt

20pt

16pt

14pt

12pt

10pt

SIZE CHART

Millisatoshi-Icon

h = 60 mm   h = 40 mm   h = 20 mm   h = 10 mm

Millibit sign as a Font

mS 100pt   mS 80pt

mS 60pt   mS 40pt   mS 20pt   mS 16pt   mS 14pt   mS 12pt   mS 10pt