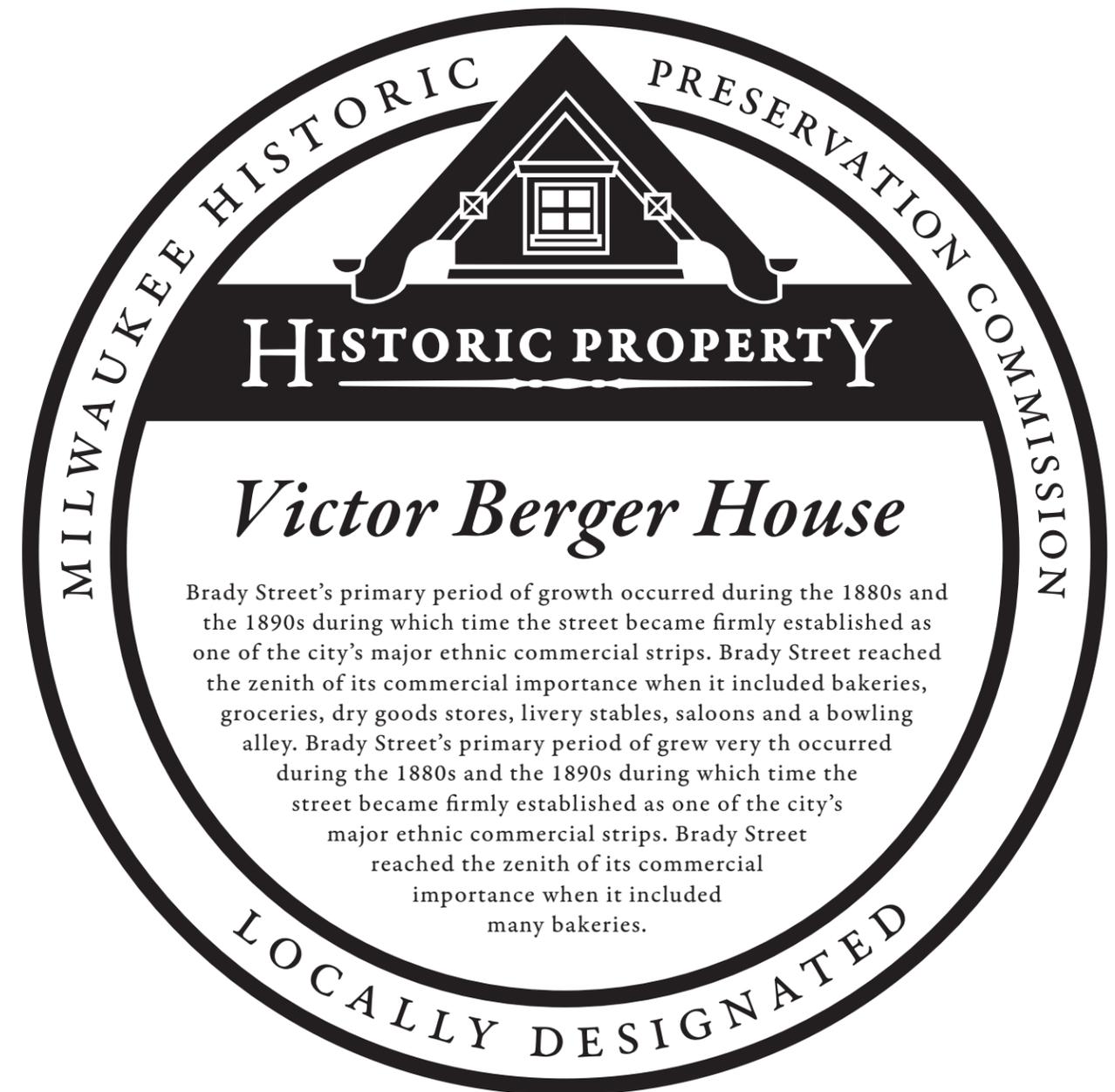

RECAPITULATION

- Finding a local vendor assigned top priority

- Experienced opinion on durability of metals and paint to help inform decision about style
- Pricing info

- Style itself has not changed



LOCAL VENDOR

Tom Queoff is an artist, craftsman, sculptor and business man. He's also the only one interested in this job. He's located in the Third Ward, and has many pieces scattered across Milwaukee. His work is excellent, and includes many different media besides metal (including ice and snow sculpture). His process is not the same as online plaque companies, because he is not a "one-trick pony," his output is much more diverse.

- Magnesium etchings used to create the cast — 20" max diameter
- Direct communication with the foundry about types of alloys
- Painting done by someone else
- Mounting can be discussed on an individual basis
- Happens to be keen on the blue paint idea
- Practical and experimental stance on the production of these plaques:
A sample must be made to accurately quote, and judge durability
- The mold itself must be taken by the property owner, Tom will not store them

Far more expensive — an extremely rough preliminary quote to create a 12" aluminum sample was \$600. The actual production may be quite a bit more or less than this guess, but creating a sample is the only way to accurately quote.

TIDBITS FROM TOM

Regarding both metal and paint, Tom doesn't give guarantees about the life of a piece looking a certain way.
In short:

- Maintenance is required, period! How the piece holds up is largely determined by the owner
- Bronze and aluminum will both weather and deteriorate, but specific alloys used can help minimize
- Unchecked bronze weathering can stain the wall beneath (again, maintenance required!)
- Cannot speculate about the fading of certain colors of paint, but all paints can/do chip and weather
(note that with this text-heavy design, the bronze will still utilize a dark brown painted background)
- Pick your favorite style, maintain it properly!

COLOR



WEATHERING

Bronze

The appeal of bronze is often its developing patina over time, from polished gold tones to varying browns, and eventually textured greens and teal tones.

These examples from the Pabst Theatre show varying stages of weathering. Assuming that the years referenced in the text correspond directly to the date they were cast and installed, we can assume a similar appearance for the HPC plaques after 23 and 47 years, respectively.

Note that the Park Service plaque (top) appears to use black, or very dark brown paint, which has chipped to reveal more weathering underneath. The paint will not stop the process, but there are clear coatings that can be applied annually to mitigate the weathering process if desired.



WEATHERING

Aluminum

Aluminum is prone to oxidation that doesn't change its color so much as its texture and sheen. It starts out as a shiny, smooth, polished metallic surface and becomes dull, light gray, and slightly scaly, as seen in the top photo.



The bottom photo shows a much more advanced state of weathering, where the scaly texture is much more pronounced, and removal will take off some of the aluminum itself, which may impact small, delicate lettering on a plaque.



An advantage of aluminum is that colors will “pop” much more against it, and its weathered color will not change that very much. Again, there are clear coatings to help mitigate the weathering process if desired.

P R I C I N G

The vendor will be Mark Troisi, of “Artistic Bronze Plaques.” Family-owned since 1968. Casting done by the staff of the Tony Lopez Studio, but all prep work, as well as hand tooling, planing and finishing done by Mark and his family. Not only are their samples some of the best on the internet, but their prices were a minimum of 15% cheaper than the competitors, regardless of metal used. The price also *includes* shipping cost and has a standard 3-week turnaround, with extra costs for expedited production and shipping available upon request. Prices are subject to change as the raw material costs fluctuate. Each year will require an updated quote to reflect these changes.

	10”	15”	20”
Aluminum + blue	\$125	\$265	\$475
Bronze + brown	\$195	\$395	\$695
* Bronze “antique”	\$225	\$455	\$800

* *Not ideal for this design. Will not provide enough contrast to ensure legibility.*

MOUNTING

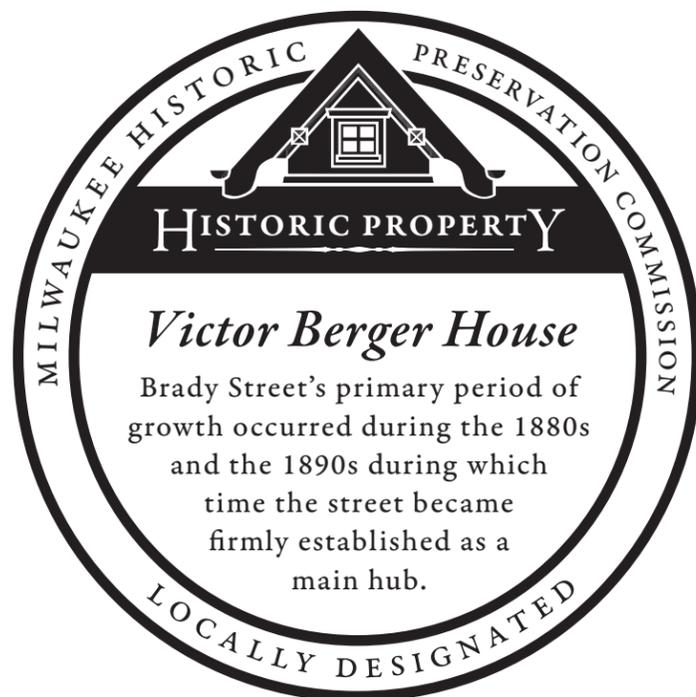
Plaques may be mounted in one of two ways:

- Studs with adhesive (does not show from front)
- Screw-through (shows from front)

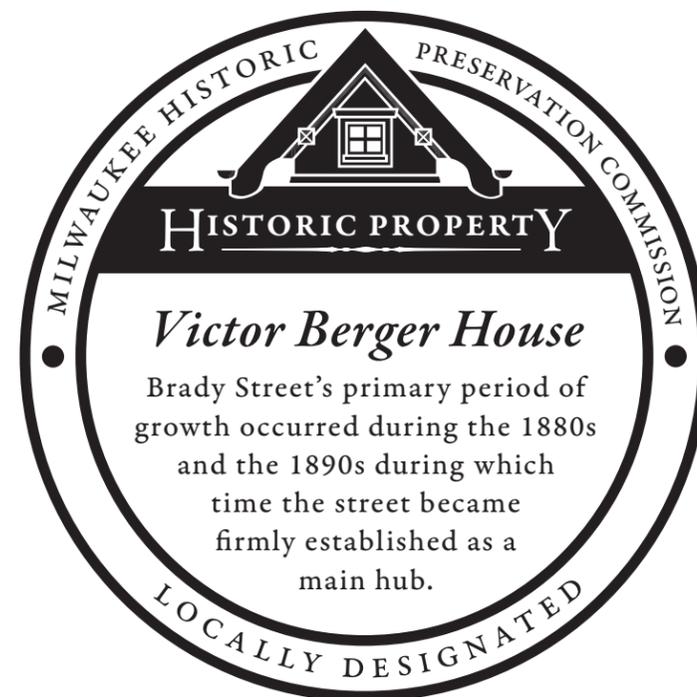
Plaques with a diameter of 15" or less require two studs or bolts

Plaques with a diameter of 16" or more require four studs or bolts

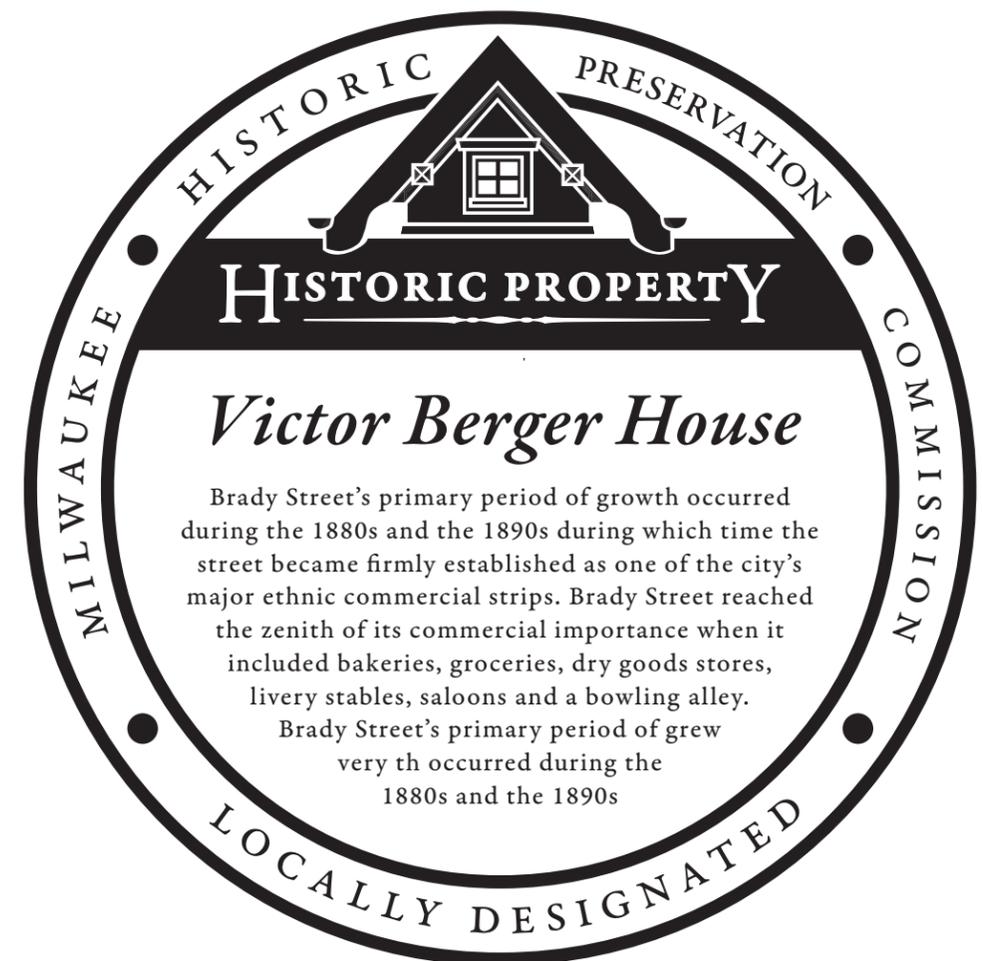
***Any time screws are used, the border text will be affected in one of the two ways seen below.*



stud mount



2-screw mount

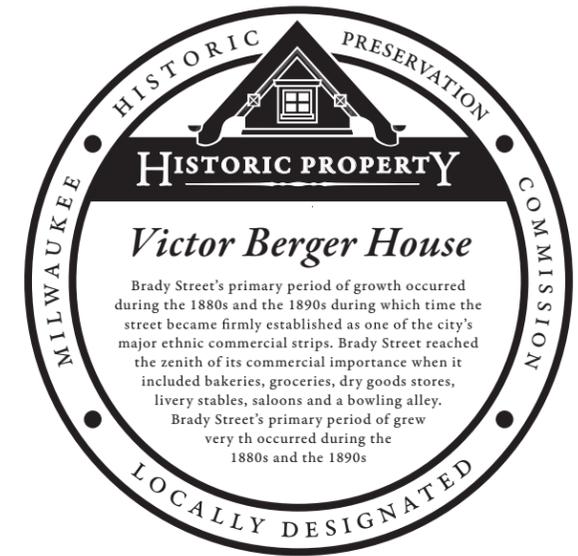
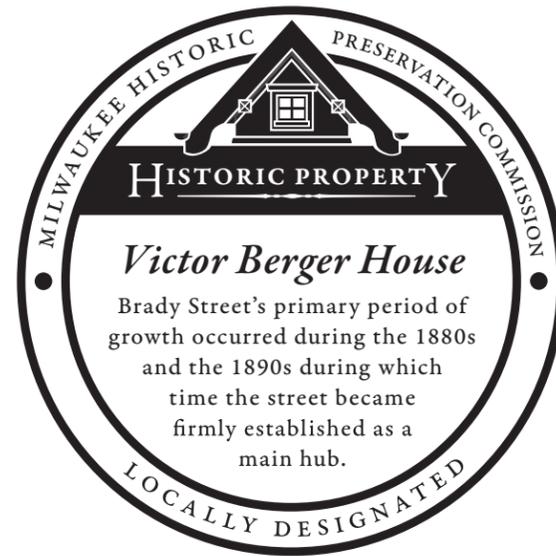
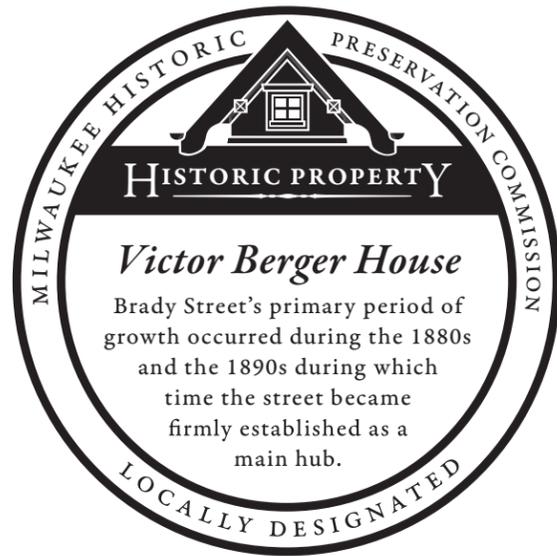


4-screw mount

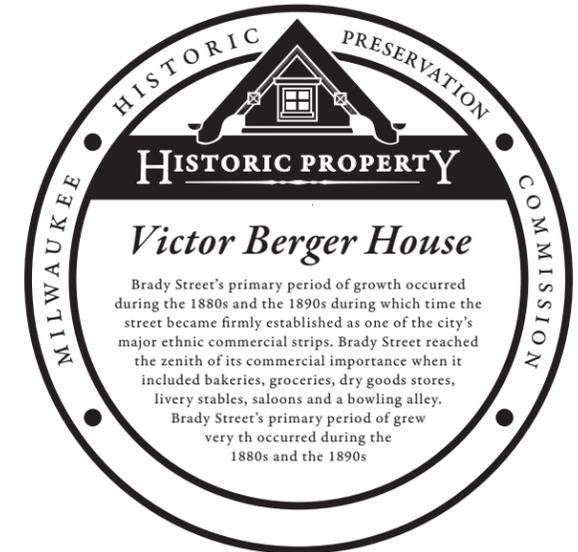
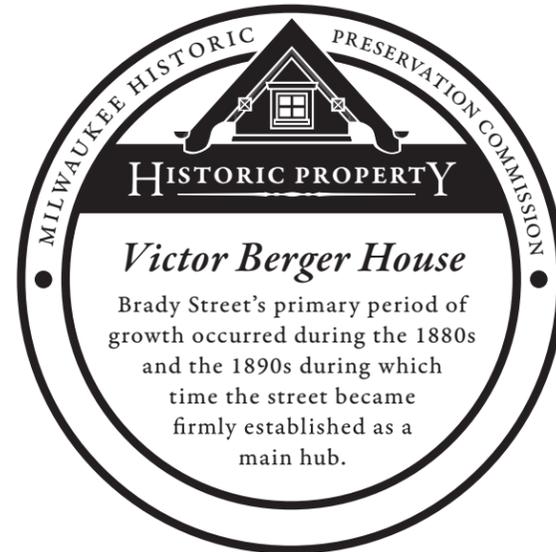
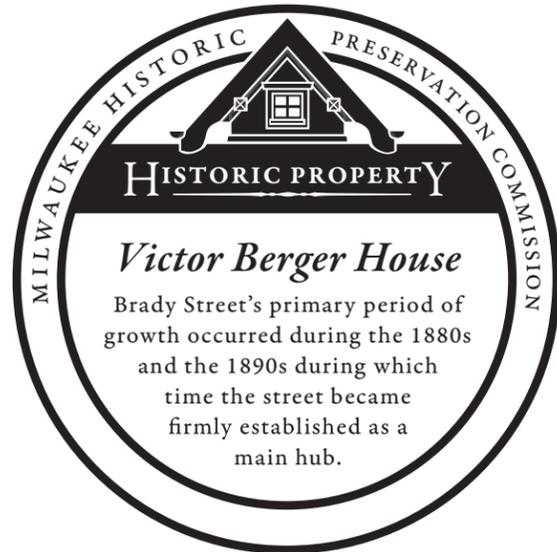
VERSIONS

Between mounting options and local designation text options, we have 6 final versions that may be produced.

*locally
designated*



*not
locally
designated*



stud mount

2-screw mount

4-screw mount

QUICK COMPARISON

MARK TROISI - *Artistic Bronze Plaques - Florida*

- Accommodates sizes well over 20” in diameter
- 2 known ways to mount, that’s it
- Not local, but more streamlined process
- Many years in the plaque business exclusively
- Far cheaper
- Customer doesn’t take the mold

TOM QUEOFF - *Tom Queoff Studio - Milwaukee*

- Maximum 20” diameter due to etching process
- Mounting can be customized as needed
- Local craftsman teaming with others
- Many years as artist/sculptor, has done plaques too
- Far more expensive
- Customer must take the mold

SUMMARY

Metal

- Bronze or aluminum?

Vendor

- Tom in Milwaukee, or Mark in Florida?

Questions?