PERFECT BOUND

at the
Hull Street Library

PERFECT BOUND

Presentation by Mickael Broth
November 2017

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DESIGN NOTES

"Perfect Bound" is an abstract sculpture inspired by the act of opening a book, and the fantastic places it can take the reader. Developed as a visual outgrowth of my collage and drawing works, this piece will bring playful energy to the Manchester neighborhood both day and night. The piece will be constructed from welded aluminum alloy mounted to a concrete base. It will incorporate colorful paint and lighting.

Initial proposal sketch, June 2017

THE MODEL

Seen here are views of the 1":1' scale model being proposed. The model is meant to convey the composition and movement of the piece, while whispy elements will have more mass in the final piece in order to provide structural stability. All elements will be securely fabricated out of material strong enough to resist deformation. Scale may adjust +/- 10% in final construction. The footprint of the piece will be roughly 10' x 12' (fitting within the existing brick ring border) with an overall height of roughly 18' at the highest point.

Model created August 2017.

RENDERINGS

The piece will provide interest from all angles and approaches. Its appearance will change throughout the day as the shadows it casts on itself and its surroundings constantly change. The overall size will be impressive but not opressive, taking into account the generally low roofline of surrounding buildings.

RECENT WORK

2015-2017

NEW DIRECTION

Shown here is my first experiment with large scale sculpture in the style being proposed for this project. This piece was created from wood and latex paint as an attempt at translating my two-dimensional work into three dimensions at a scale large enough for humans to interact with. This piece was installed at the RVA Street Art Festival. The piece is approximately 9' x 9' x 10'.

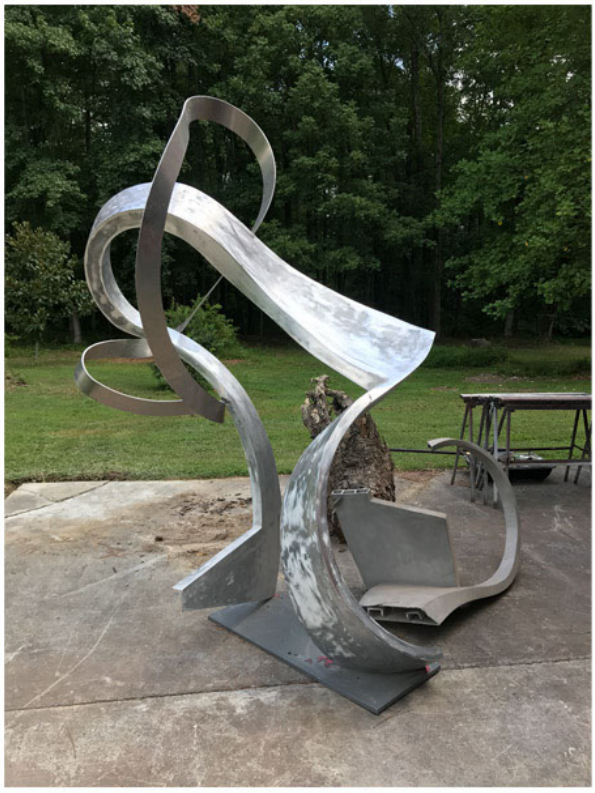
"Will the Circle Be Unbroken", 2017.

FABRICATION

The piece will be fabricated by artist Jerry Peart in his studio in Ashland. I will be hands-on and assisting Jerry throughout the process. Jerry has enjoyed a forty year career as a public artist creating large-scale welded aluminum sculptures installed across the country. His expertise will guide the entire process from sourcing materials to installation of the work at the library.

METAL

The piece will be fabricated using 6061 aluminum alloy, the same material used in airplane wing construction and boat hulls. The material hardens over time becoming more durable and weather-proof, requiring no maintainance. It will be built to withstand attack by the "unarmed man." The metal will be sourced from BMG Metals in Richmond and at all points possible joints will be welded both front and back to provide added structural integrity.



FINISH

The surface of the piece will be prepared with an epoxy primer and painted with Tnemec brand paints. Their line of products are typically used in high stress industrial environments such as painting bridges and water towers. Jerry Peart has used these products for decades with great success on his exterior sculptures. Colors will be applied prior to installation and records of colors used will be kept for ease of future maintenance, if necessary.

LIGHTING

Six fixtures from Aspect LED and Pegasus Lighting will provide general flood and spot lighting, as well as color changing accent LEDs which will provide additional elements of movement and interest during night hours. All electrical work will be handled by J.D. Jones Electrical.

CONCRETE

The concrete base will be poured by Richmond-based X Custom Outdoors. Concrete will be mixed with a black dye, providing a constrasting base for the colorful sculpture. The concrete will have a smooth trowel finish.

INSTALLATION

The piece will be moved from Jerry Peart's studio via his trailer and delivered to the library. Installation will occur that day. A crane will be rented from Bass Crane for onsite installation, if necessary. The piece will be installed via bolts attached to the bottom of the piece set into epoxy-filled holes in the concrete with washers spacing aprox. 1/4" from the ground. This will allow for drainage as well as easy access to mounting bolts should the piece ever need to be moved.

BUDGET

MATERIALS		
Metal		$4,500
Tools (wire, buffing pads, etc.)		$500
Lighting Fixtures		$2,000
Concrete		$3,000
	Subtotal	**$10,000**
PROFESSIONAL SERVICES		
Site prep		$1,000
Electrical work		$1,500
	Subtotal	**$2,500**
FABRICATION		
Fabricator fees		$10,000
	Subtotal	**$10,000**
INSTALLATION		
Crane rental		$1,000
Transport		$1,000
	Subtotal	**$2,000**
OPERATIONAL		
Permits		$1,000
Insurance		$1,000
Studio		$20,000
Dedication		$1,500
Incidentals		$3,000
	Subtotal	**$26,500**
	Total	**$51,000**

WORK FLOW

SITE WORK
- Site is cleared of dirt and debris (dumpster rental/work in streets permit may be necessary)
- Electrical conduit and wiring run
- Rebar and any necessary forming for concrete pad
- Concrete poured
- Lighting installed and tested

FABRICATION
- Model is refined at 1" : 1' scale
- Material is sourced
- Fabrication is led by Jerry Peart
- Once assembled, piece is sanded and buffed
- Surface is primed and painted in Jerry's studio

DELIVERY
- Piece is loaded at Jerry's studio using his jib and trailer
- Piece is driven to site
- Rental crane moves piece from trailer onto concrete base
- Piece is installed and lighting is activated

ESTIMATED TIMELINE
Contract signed: Date TBD
Fabrication: approximately 2.5 months
Installation: approximately 4 months from contract agreement