

## “Woven Land”

Celestino Crowhil

“Woven Land” is a forged set of rammed earth cubes on a pivoting hinge. The composition is an optical illusion of floating cubes. The rammed earth is a mixture of concrete, non toxic adhesive and site soil from different locations within New Mexico. The cubes will be 3-6” max in size squared (equal on all sides). The plinths on either side of the gate are also rammed earth, with a higher ratio than the cubes of concrete and adhesive. The plinths are encased on three sides by steel. The sides of the plinths will have etched or laser engraved descriptions of each type of site specific soil.

Rammed earth has been used as an architectural technique for centuries. It has withstood the test of time. It is a sustainable technique I feel New Mexicans could elaborate more on and work into more structures. I worked with this technique on a wildlife refuge and we were not allowed to use lime or any adhesives. Since then, I use a ratio of concrete and non toxic adhesive which has also allowed for the colors to be richer and brighter and give a smooth texture.

New Mexico is world renowned for its exquisite desert landscapes and brilliant pottery, adobe, ceramics and weavers. This is dedicated to every generation of “ land weavers” from this area, past and future. I am proud to be a part of this culture at this time period, where borders try to divide us, it is the land that connects us.

### Scope of Work

The rammed earth cubes are encased within the structure that they will be “rammed in”. They will dry within the cubes, then assembled together with custom made angle iron.

The cubed housing can be made of forged iron (steel) or cast aluminum. The steel will have a bronze patina ( see portfolio for reference). I feel both materials will still give the piece an illusion of floating cubes. The cubes have three different support beams attached to the pivoting hinge, along with being welded to the hinge itself with a support bar.

The plinths are encased on all three sides and also 2 inches on either side of the front. They will also be rammed into the structure that they are encased in. The description of the types of land on the side of the plinths is optional.

## Specifications and Installation

Materials: Forged Iron or cast aluminum, bronze welds or mig welds, site soil from New Mexico, concrete, Non toxic adhesive

H : 106" (est. 8'x10")

W: MAX 55.75" (est. 4'x 6")

Weight est 350-400lbs

The steel plinths and the door hinge is the gate's main support structures. The steel plinth can either be anchored into the concrete by welding a small steel base plate to the tubing then anchored and or anchored into the brick wall by specific hardware like concrete anchors, butterfly anchors ect. I have installed many gates to cinderblock, concrete and stucco ect

## Timeframe

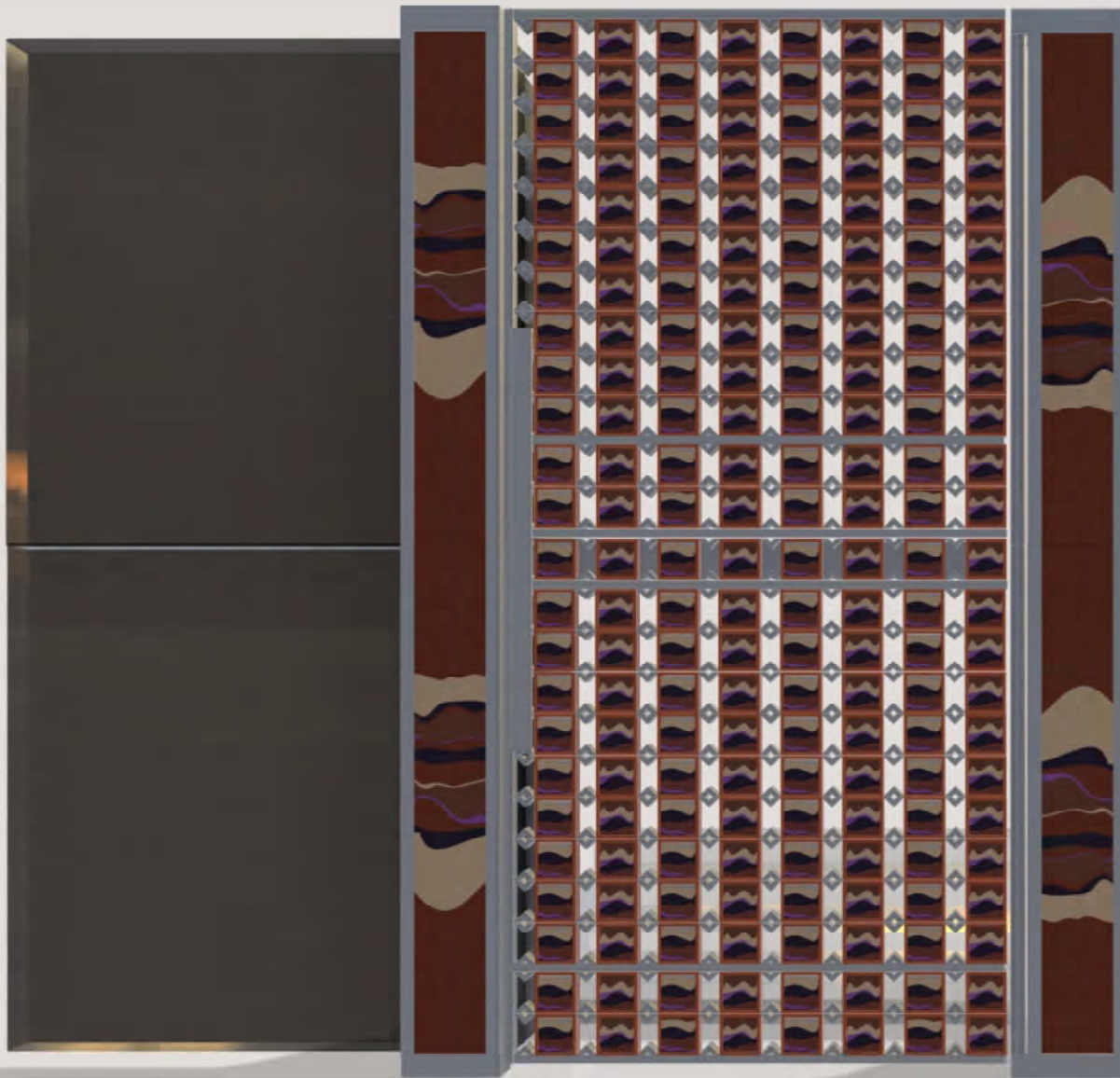
Because of the drying time of the small cubes and the weather adding to it, this gate would take 6-8 weeks. Because of the lead time I would like to offer a temporary gate until the piece is ready to be installed.

## Maintenance schedule and safety concerns

I have designed this gate with the public in mind. All forms will be checked for burrs, polished, beveled and the cubes. It cannot be climbed upon, pried or bent at its openings. If there is any graffiti, the plinths or cubes can be sanded in place and resealed indefinitely. This gate can also be repaired without tampering with cubes. The steel can be resurfaced and welded in place.

Asking price \$ 26,500.00

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"woven land" gate detail

Front view



Rammed earth plinth



Rammed earth cubes

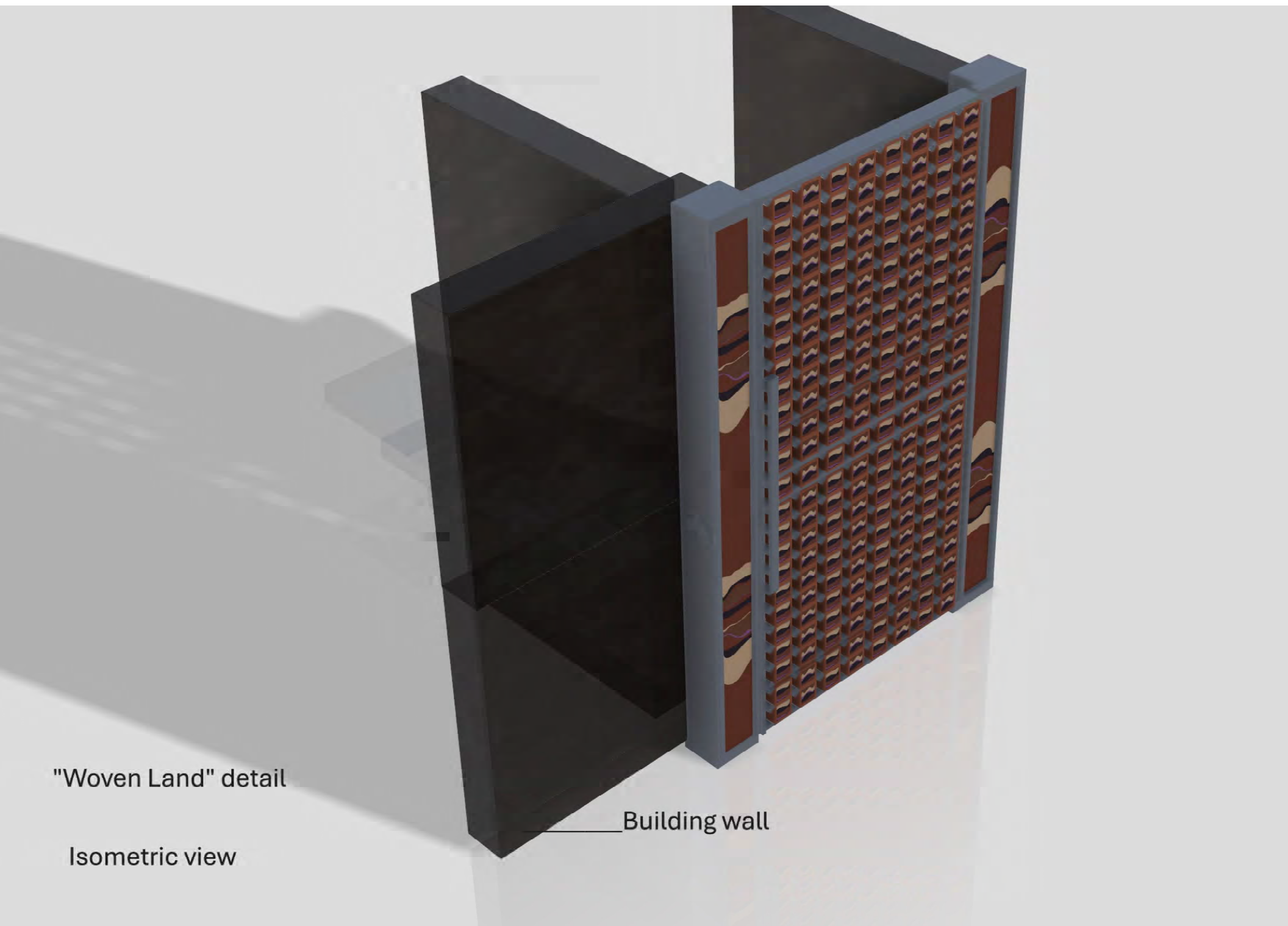




Steel with silver patina

Steel with silver patina

**Forged steel with bronze patina**



"Woven Land" detail

Building wall

Isometric view