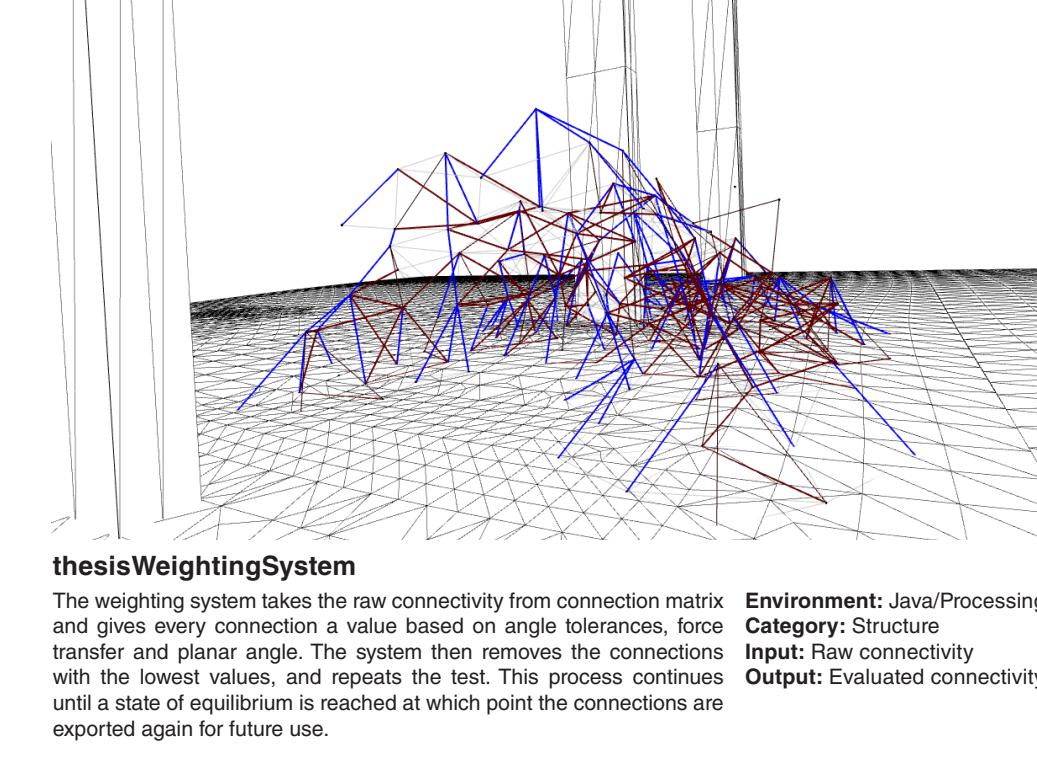
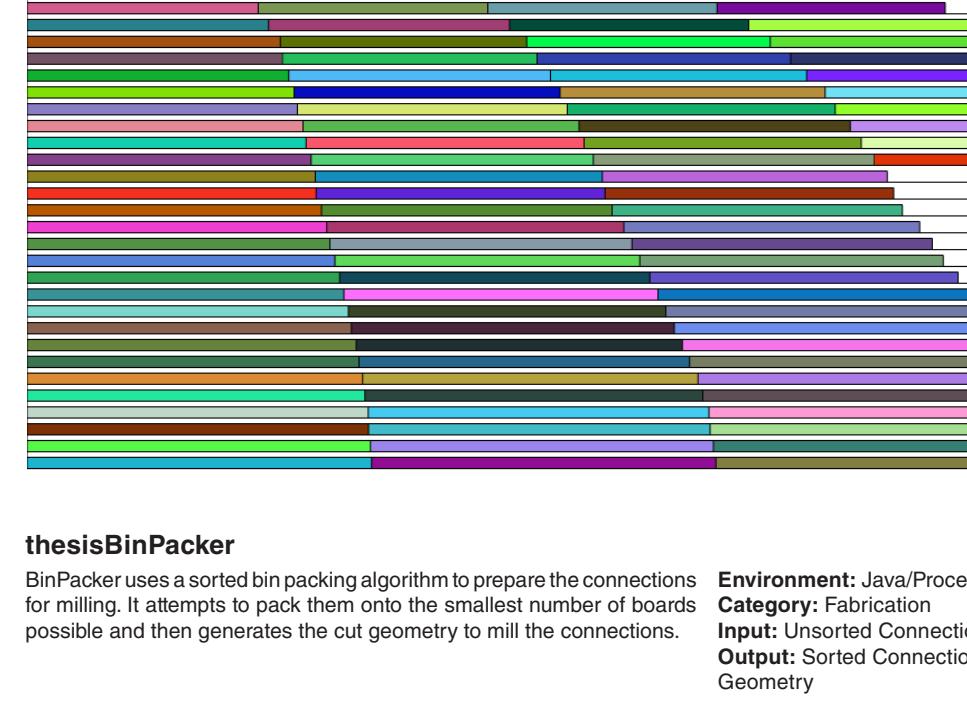
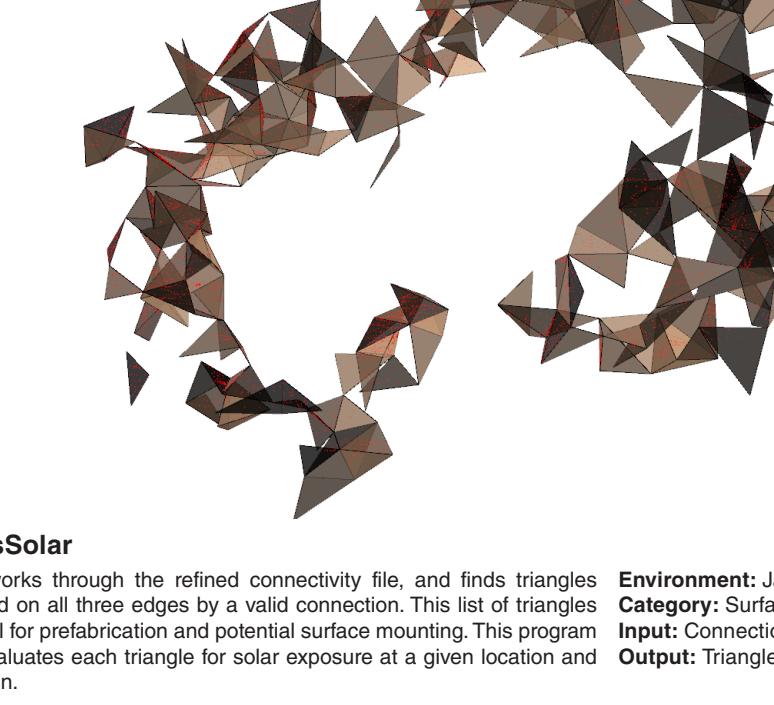
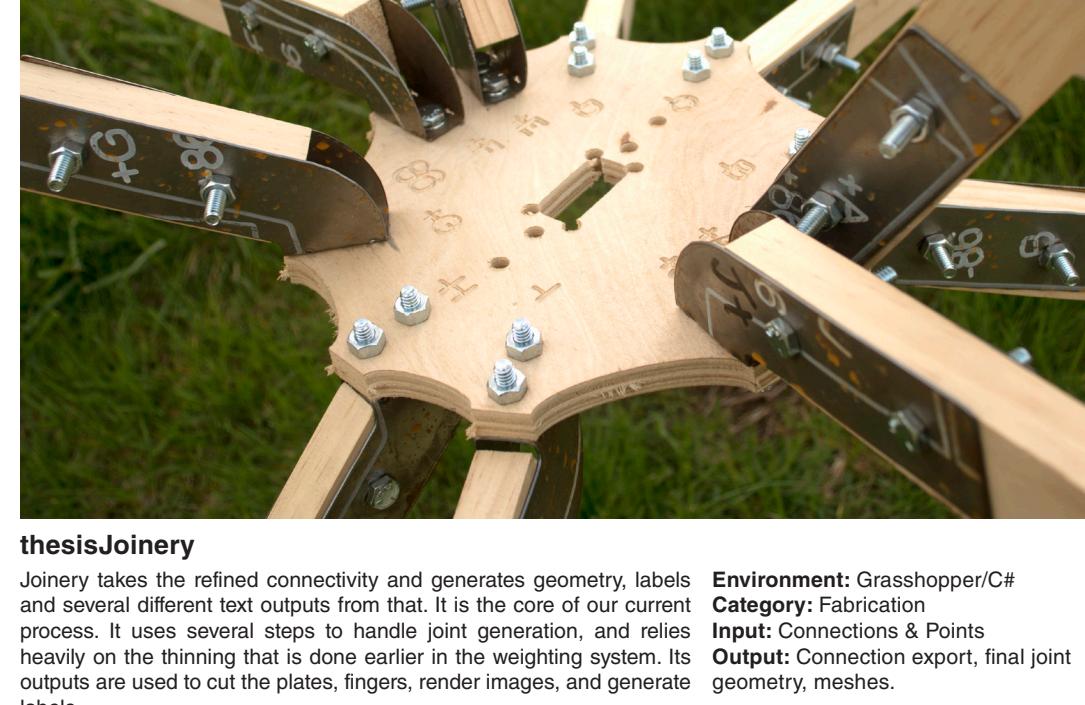
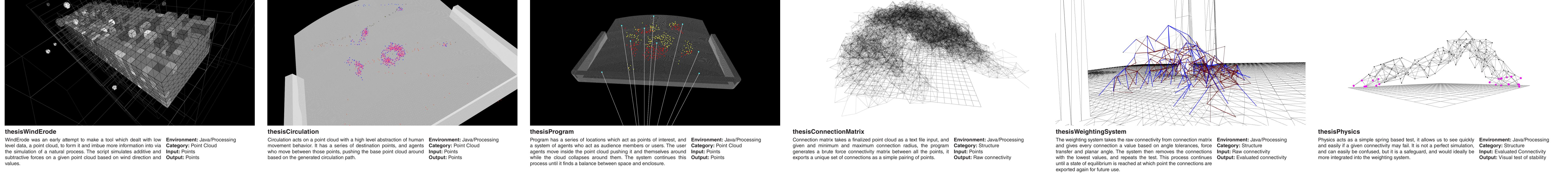




COMPUTATIONAL TOOLKIT



thesisWindErode

Environment: Java Processing
Category: Point Cloud
Output: Points

thesisCirculation

Environment: Java Processing
Category: Point Cloud
Output: Points

thesisProgram

Environment: Java Processing
Category: Point Cloud
Output: Points

thesisConnectionMatrix

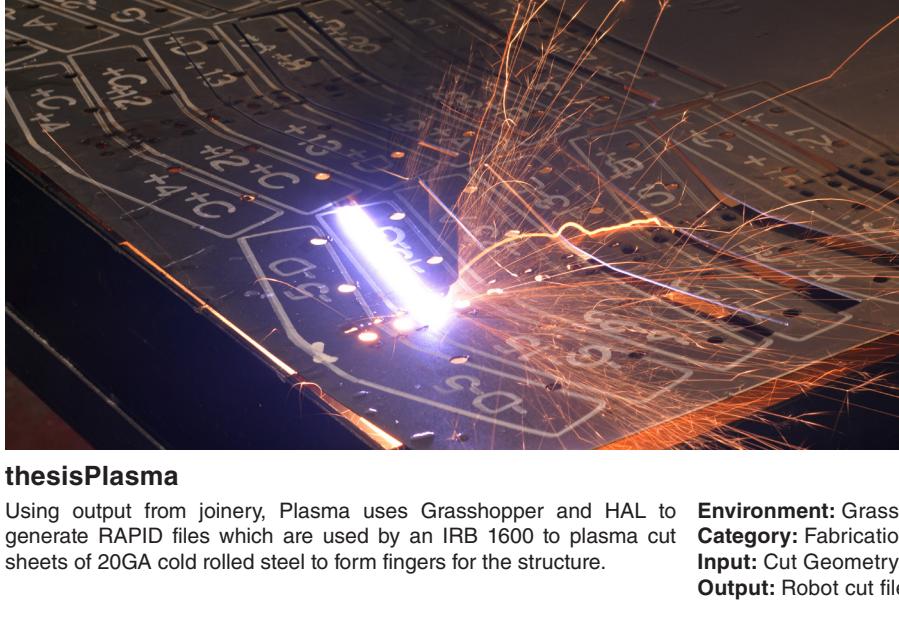
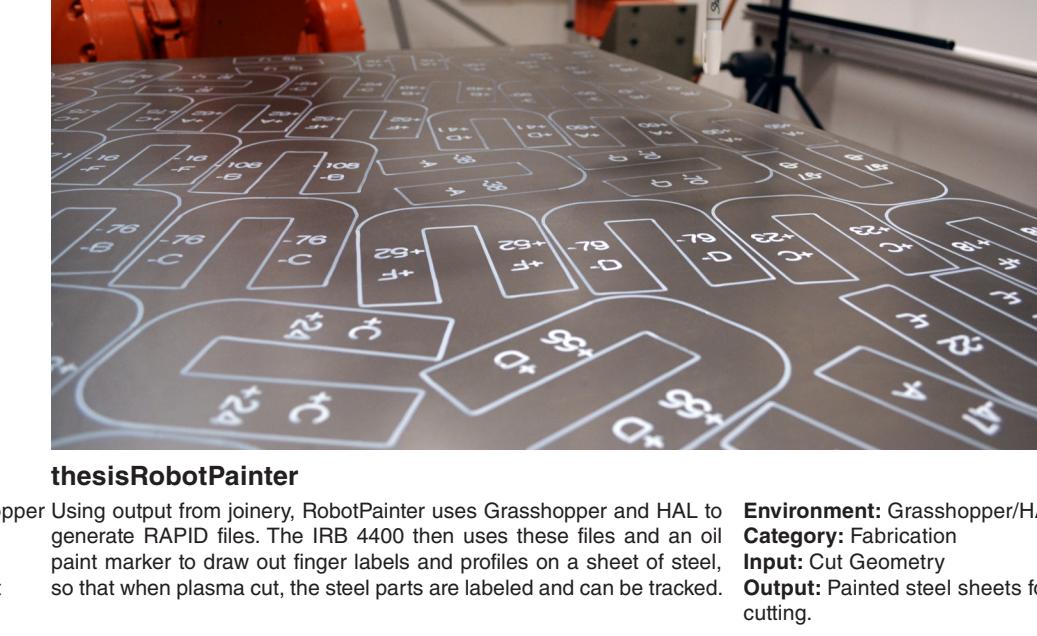
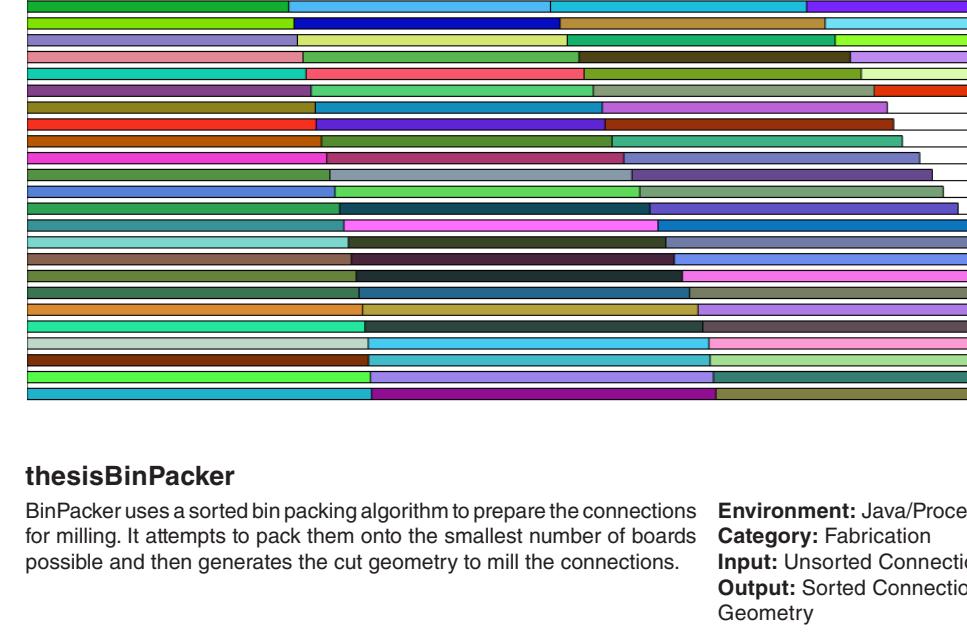
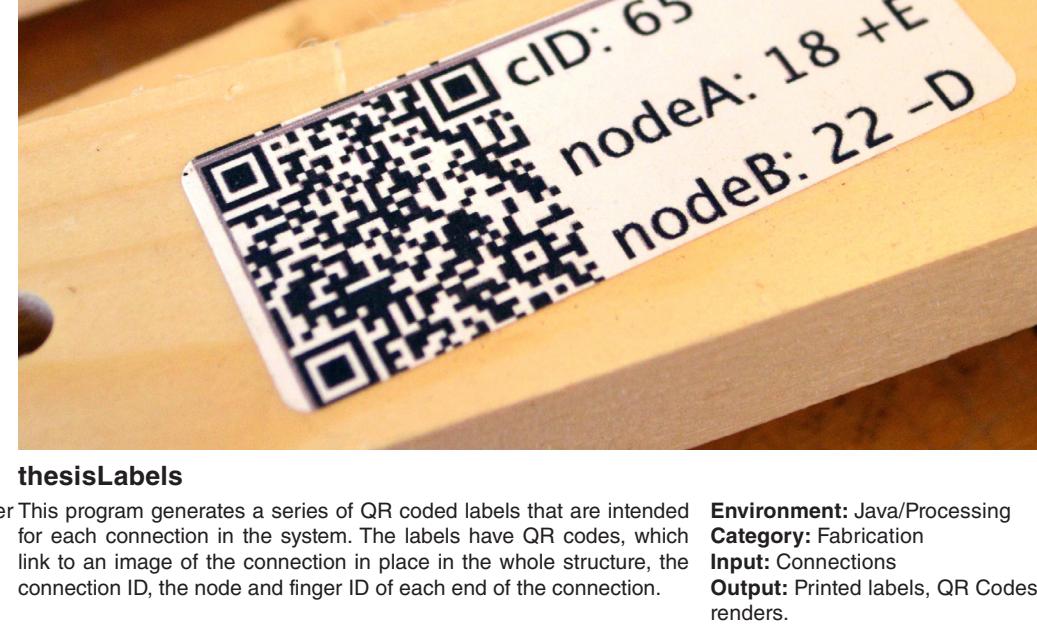
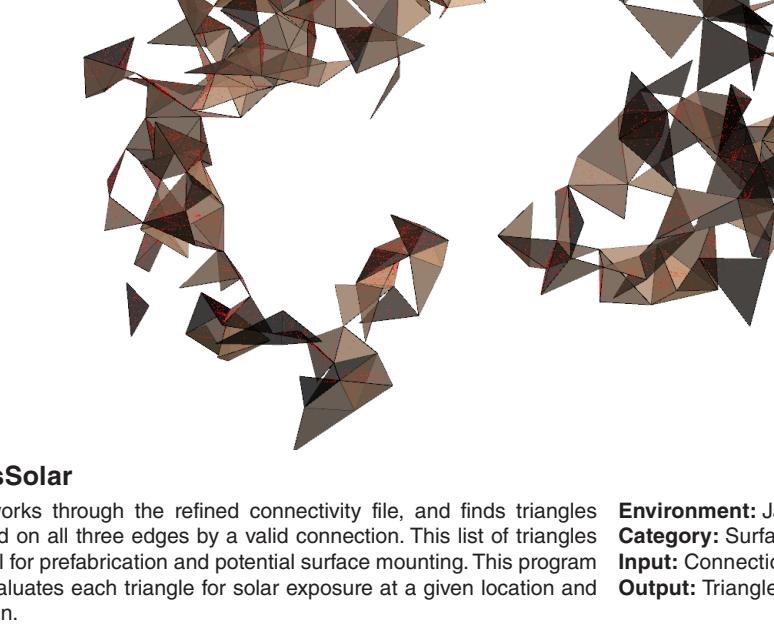
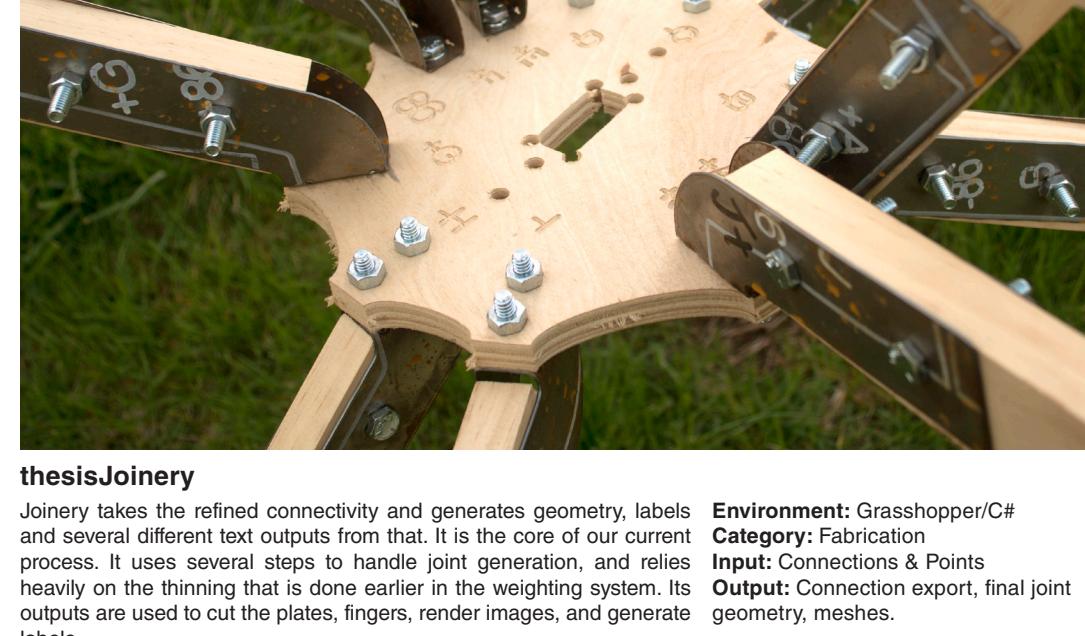
Environment: Java Processing
Category: Point Cloud
Output: Points

thesisWeightingSystem

Environment: Java Processing
Category: Structure
Output: Evolved connectivity

thesisPhysics

Environment: Java Processing
Category: Structure
Output: Visual



thesisJolley

Environment: Grasshopper/C4

Category: Fabrication
Output: Labels

thesisSolar

Environment: Java Processing/Grasshopper
Category: Fabrication
Output: Labels

thesisLabels

Environment: Java Processing
Category: Fabrication
Output: Labels

thesisBinPacker

Environment: Java Processing/Grasshopper
Category: Fabrication
Output: Labels

thesisRobotPainter

Environment: Grasshopper/HAL/RAPID
Category: Fabrication
Output: Labels

thesisPlasma

Environment: Grasshopper/HAL/Rapid
Category: Fabrication
Output: Robot Cut files

OUR THESIS IS THE DEVELOPMENT, STUDY AND INTEGRATION OF A SYSTEMIC COMPUTATIONAL METHOD WITH DIGITAL FABRICATION VIA THE DEVELOPMENT OF A CUSTOM COMPUTATIONAL TOOLKIT.

FABRICATION PROCESS



STEEL LABELING - ABB 4400 & PAINT MARKER

PLASMA CUTTING - ABB 1600 & HAL/GRASSHOPPER

CUT STEEL FINGERS - 20GA STEEL

BENT STEEL FINGERS - MANUAL BREAKFORM

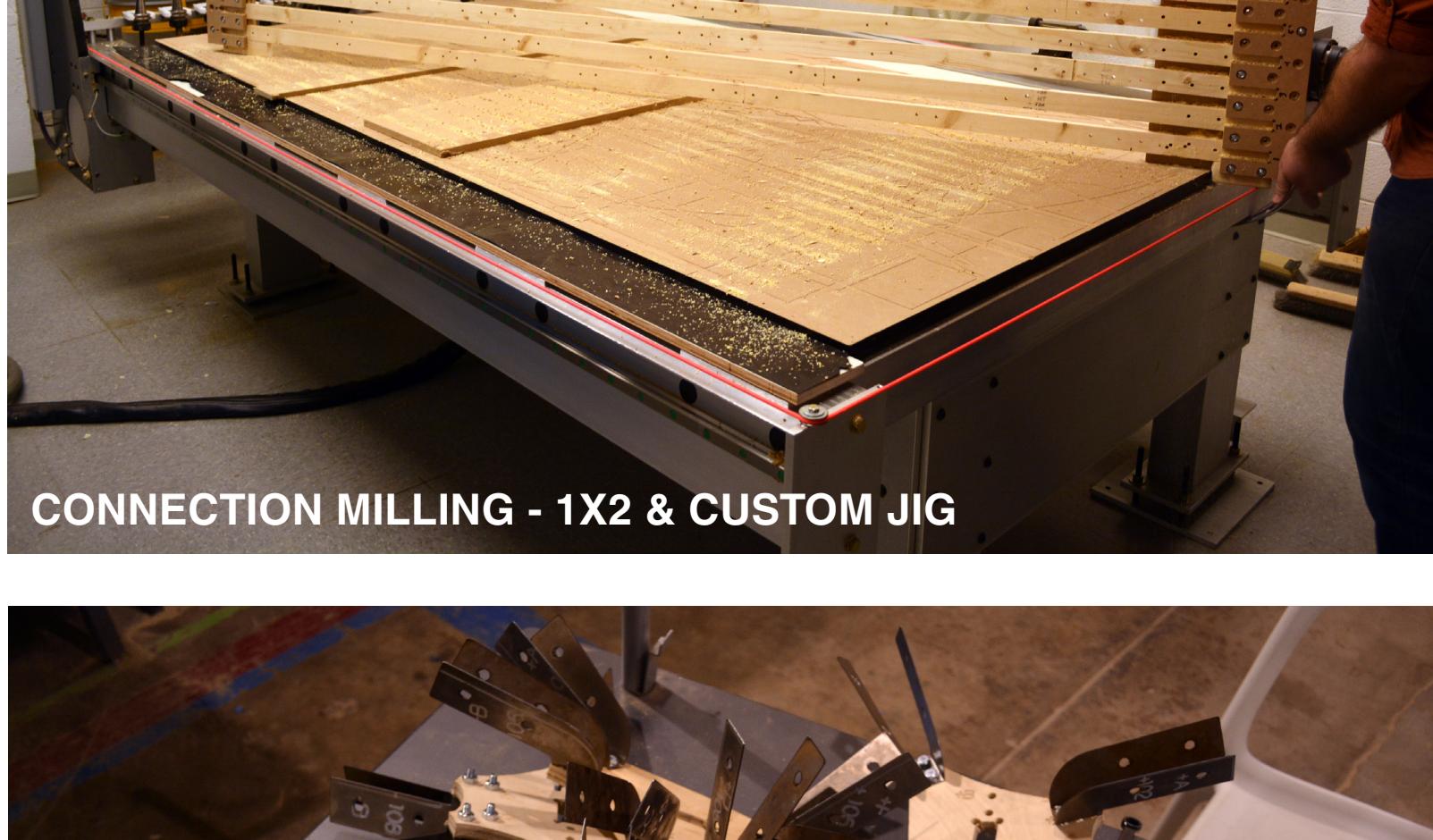
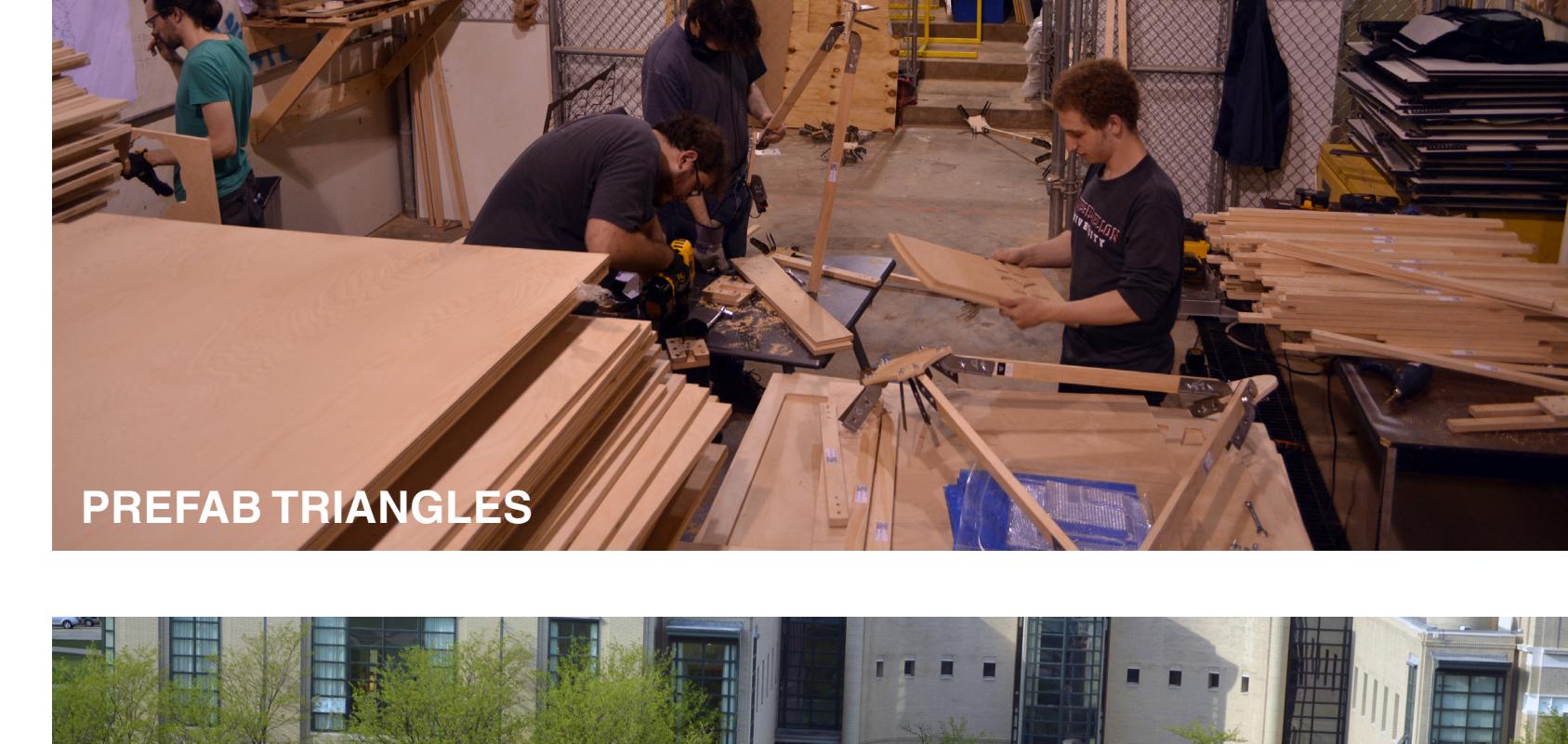
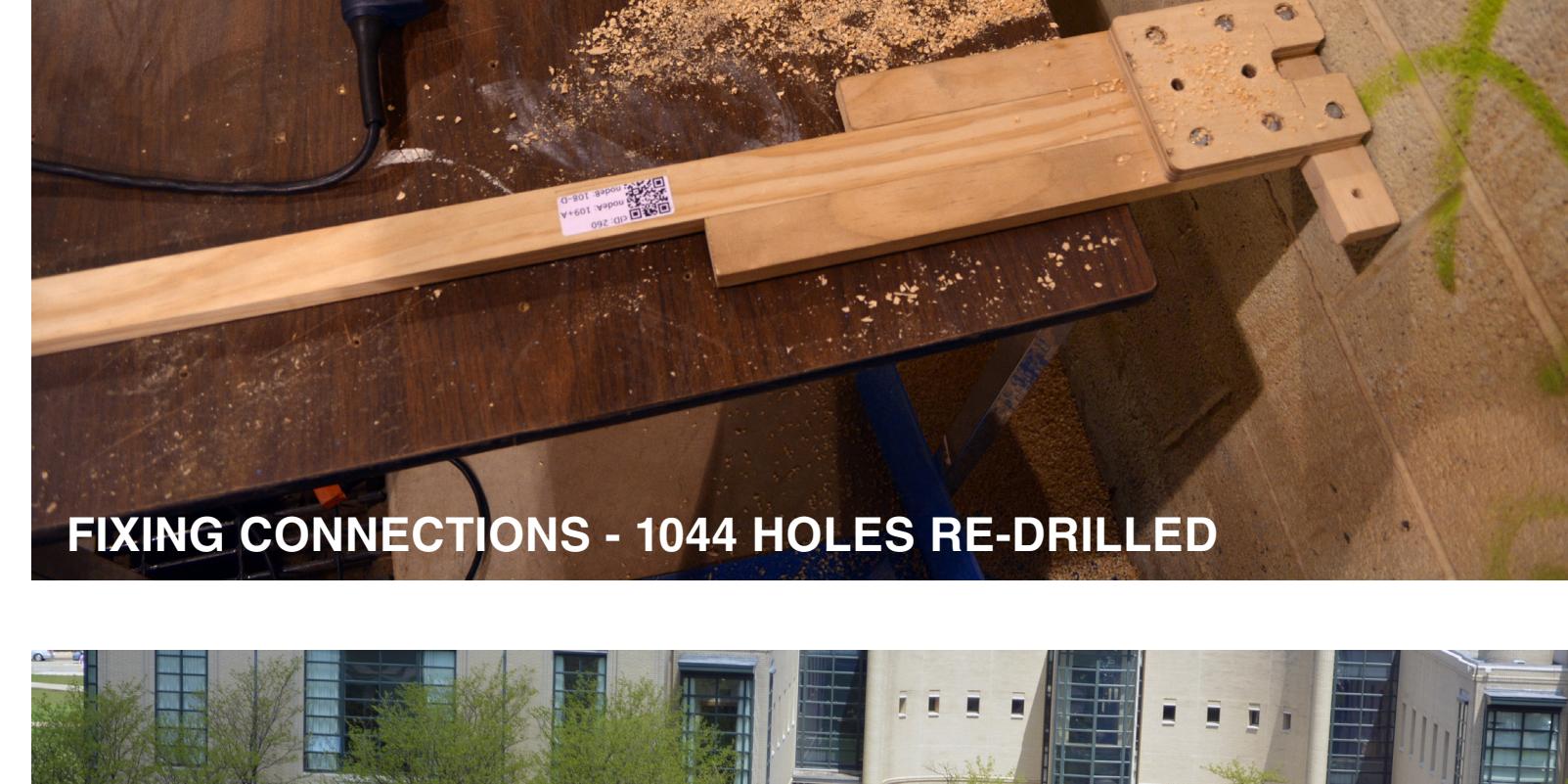
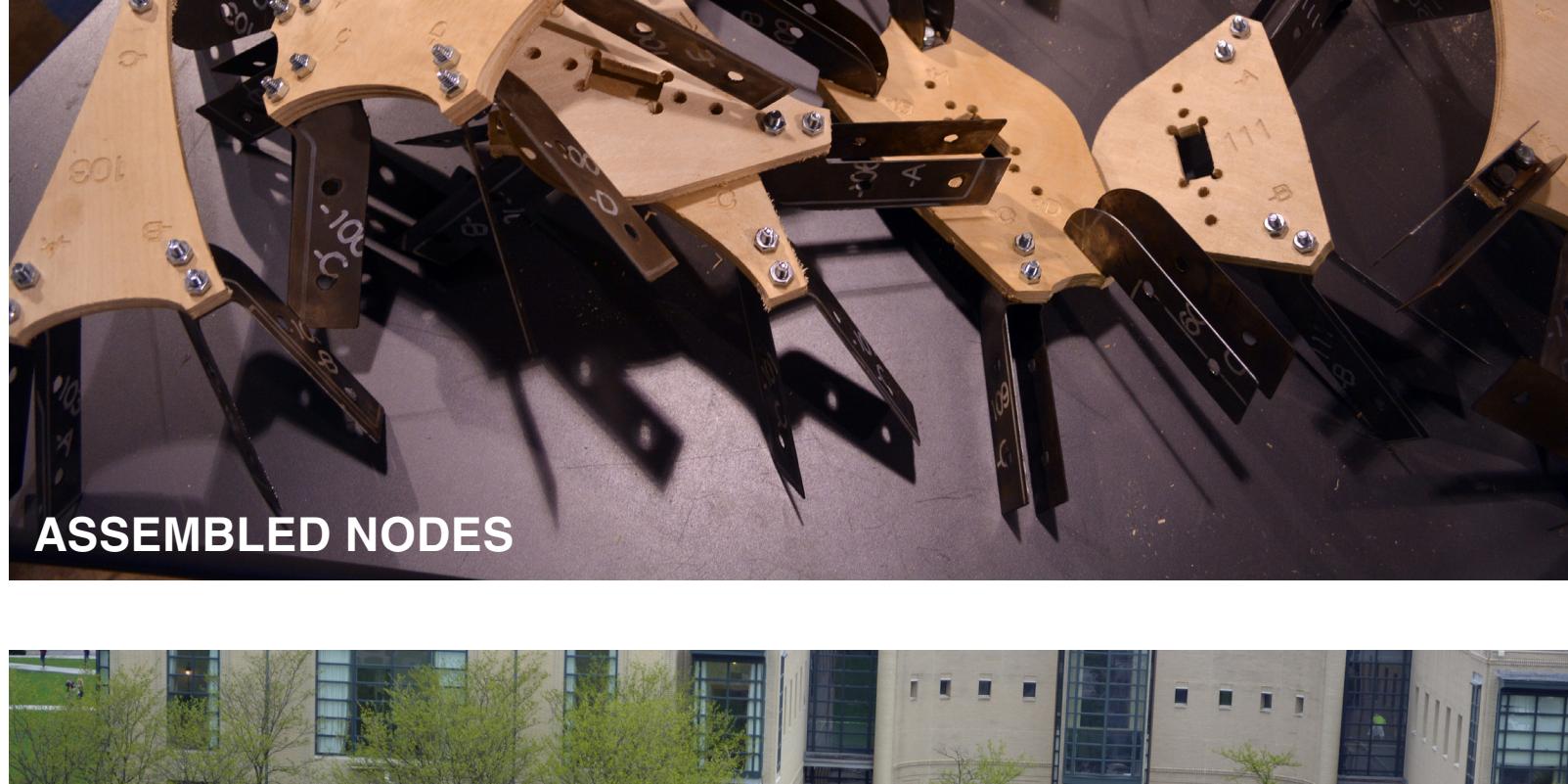
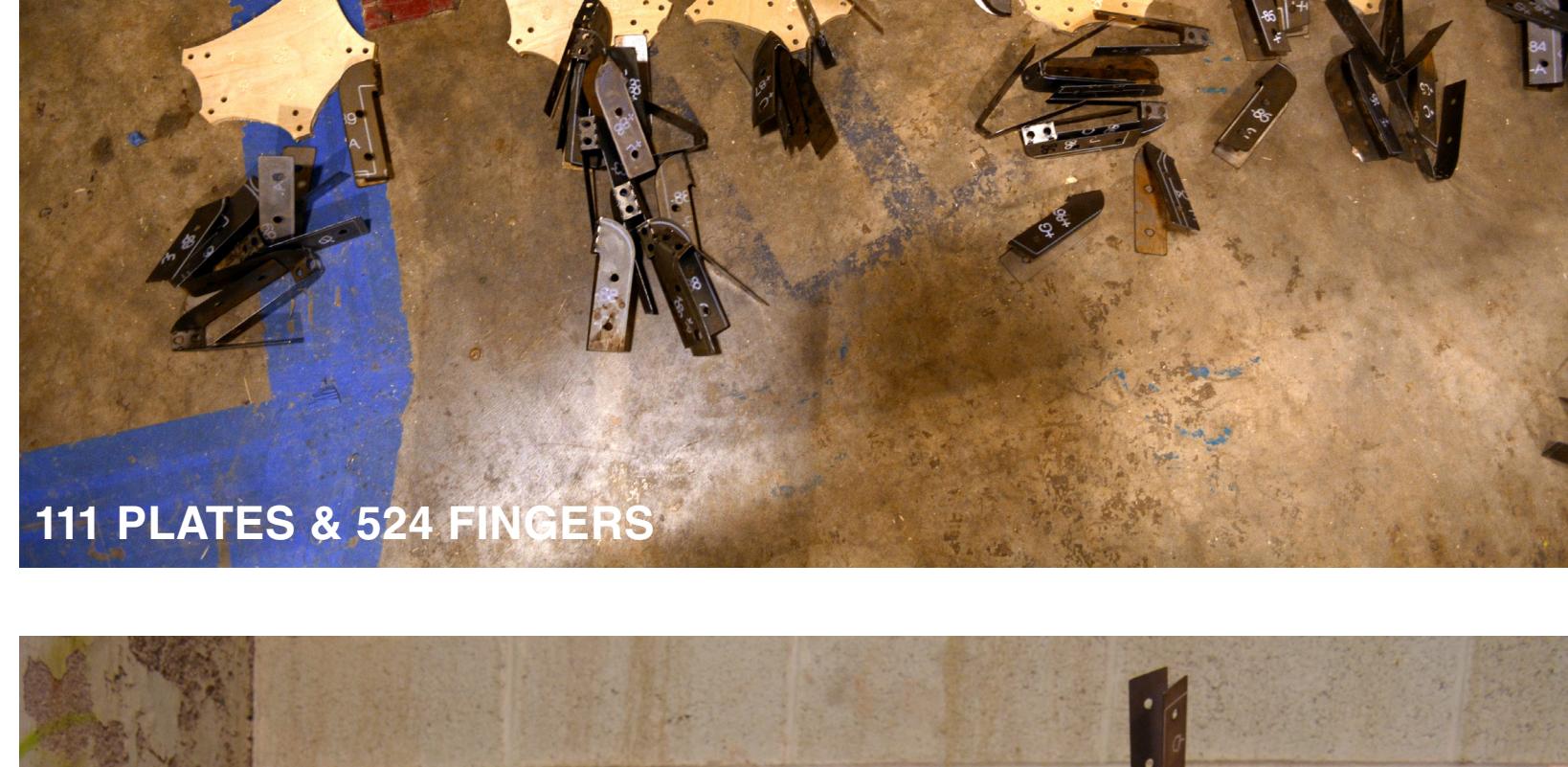


PLATE MILLING - CNC ROUTER & 1/2" PLY

CONNECTION MILLING - 1X2 & CUSTOM JIG

CONNECTION CUTTING - 90 8" BOARDS & CHOP SAW

CONNECTION LABELS - 261 CUSTOM QR CODE LABELS

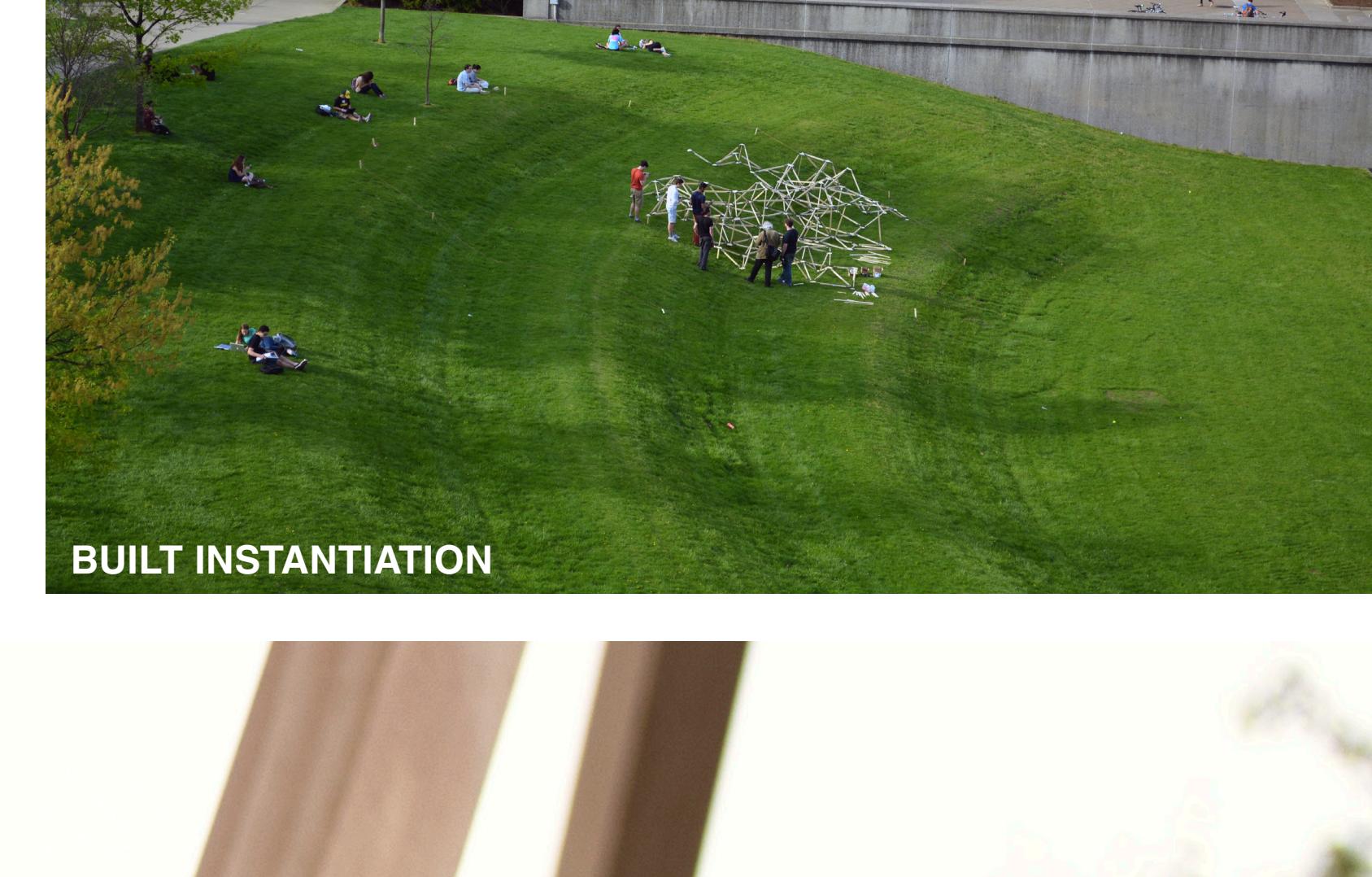
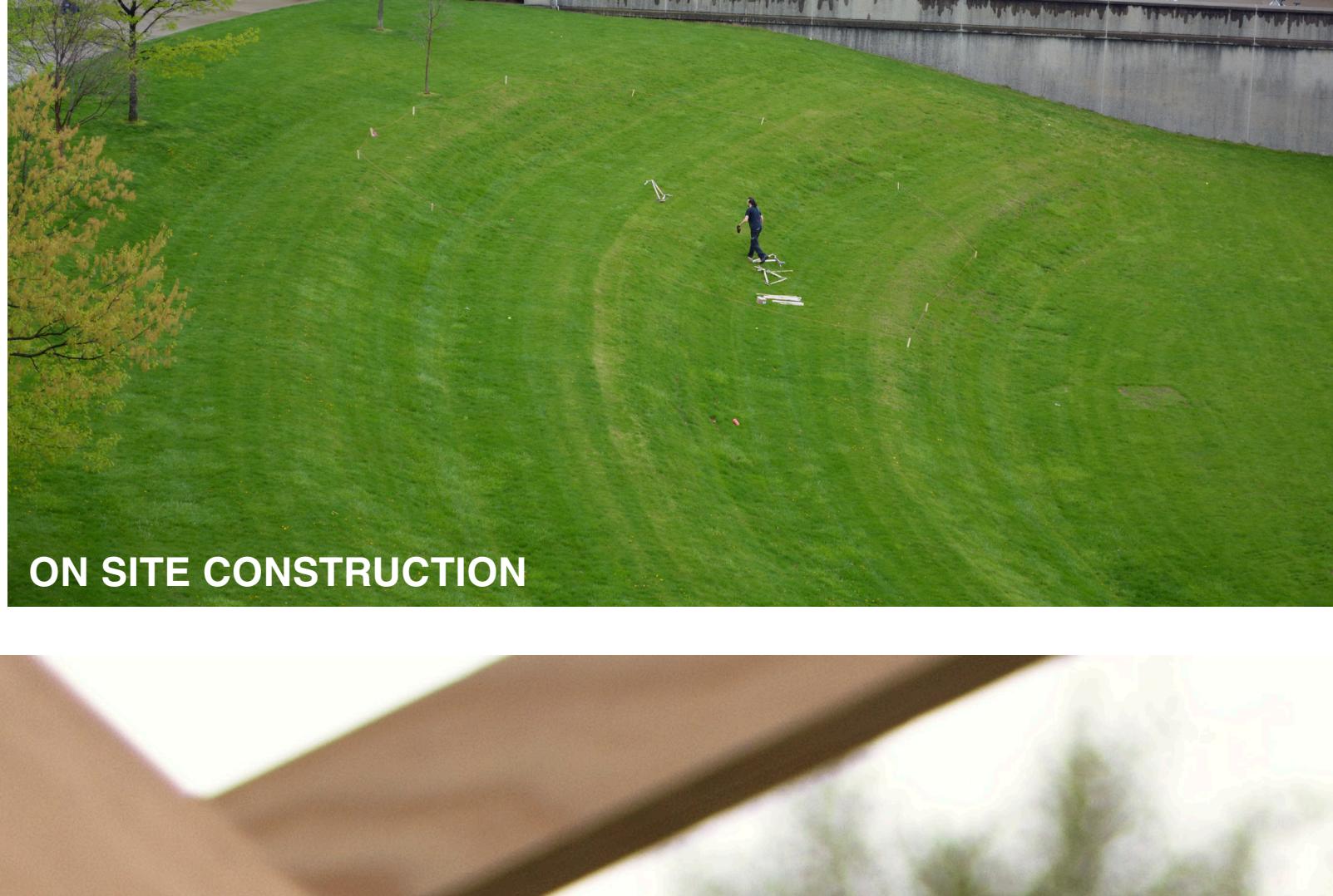


111 PLATES & 524 FINGERS

ASSEMBLED NODES

FIXING CONNECTIONS - 1044 HOLES RE-DRILLED

PREFAB TRIANGLES



PREFAB TRIANGLES - STAGED FOR ON SITE WORK

ON SITE CONSTRUCTION

2 RAINY DAYS

BUILT INSTANTIATION



MICHAEL JEFFERS & JORDAN PARSONS

RECURSIONISM

The Frank-Ratchye

STUDIO

for Creative Inquiry

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