whitepaper/blackscreens
on the uses and techniques of representation in analog and digital environments

03 point/line/plane: packing / cracking / tiling

due Thursday 09.10.09 group pin-up
requirements (1) sheet 22”x30” Stonehenge Paper (or similar) orientation TBD
description The focus of this assignment is to introduce fundamental concepts of spatial "build-up" using
drafting methods developed in the first assignment (1.0).
objective The goal of this assignment is to produce a spatially suggestive field through the build-up of
points, lines, and planes: the fundamental components of any architectural drawing. Using
techniques which privilege either points (packing), lines (cracking), or planes (tiling) as
building blocks to a drawing, hierarchical relationships will emerge which suggest various
architectural organizations.

recipe for packing / cracking / tiling: (more on this in class demo)

1. PACKING: create a 4-sided shape that encompasses at least 30% of the 30x22 sheet

2. CRACKING: find the centroid using the "opposite side bisector" method
create subsidiary shapes by connecting the centroid to the vertices of the first shape
repeat steps 1-3 until a desired level of cracking develops (at least 4 orders). Look for difference
in density/proportion and balance between positive/negative space. experiment with and create
"rules"
using various lineweights/linetypes (i.e., as each order progresses, the line weights become lighter,
etc.)

3. TILING: hang the construction on the wall. consider possible tiling opportunities to expand your
drawing, such as mirroring, scaling, multiplying, etc. do not be afraid to draw off the edge of
the page boundary if it you feel it graphically contributes to your drawing. Orient your drawing as
landscape or portrait

general guidelines:
All bisector lines should be light construction lines (4H to 6H), do not erase them
Clearly and consistently represent lines (construction-lightest, dashed-medium, solid-medium, heavy-solid)
Do not draw any freehand lines
label all points with a lettering template or with guidelines (max 1/8” height)