

# The Sixteens 2016

**Project:** Lampas  
**Date:** October 2016  
**Intended Use:** Upholstery

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**Ground Warp & Weft Yarn:** 10/2 Egyptian Mercerized Cotton; Natural Color from RM Yarns

**Secondary (Binding) Warp:** 24/2 "Spectrum Dyed Yarns, Inc. Karded Cotton 112259 Fr Bark" from Peter Pachis in Central Falls, RI

**Secondary (Floating) Weft:** 2 strands of "Clr: G Nutmeg, Size: 1/4.5, Acrl: 98% Nyl: 2%" from Peter Pachis in Central Falls, RI

**Reed:** 12 dent **Sleyed:** 3 per Dent (2 ground, 1 secondary)

**Sett:** 36 EPI and 32 PPI (AVL Auto Advance)

**Warps were Beamed Separately**

**Width on Loom:** 25.33 inches (608 ends of 10/2 & 304 ends of 24/2)

**Width after Finishing:** 24.25 inches

**Length:** 90 picks @32 ppi = 2.8125" became 2.6125" inches after finishing

**Loom:** AVL 16-Shaft Folding Loom with Compu-Dobby I, Double-Box fly shuttle & 2 Warp Beams

**Software:** ProWeave and Fiberworks PCW (Windows)

**Draft as WIF:** is posted on <http://fiber.hassel.net>

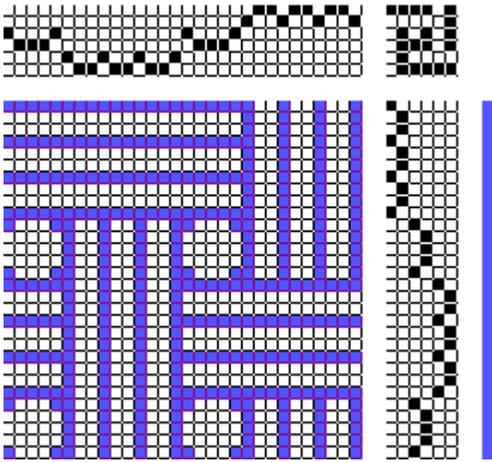
**Sampling and Weaving:** The symmetrical geometry of the profile draft created the requirement of "weave to square." The intended use as upholstery fabric made it important to create a dense fabric. It took about 18 inches of experimental sampling to determine the number of pattern shots required to weave to square. The initial plan had been to weave a broken twill for the ground warp and weft interlacement. While sampling, it was obvious the broken twill ground weft was periodically visible in the pattern area (looked terrible - created a line). The appearance of the weaving improved dramatically after the ground interlacement (controlled by "treadles" 1-4) was changed to plain weave. The AVL Geared (old-style) Auto-Advance with a 32-pick wheel was adjusted to 1 click per beat to achieve 32 PPI. It would not have been possible for me to beat more firmly. To achieve this maximally firm beat I beat with an open shed and used a bit of force. Interestingly, draw-in on the loom seemed non-existent. It did not seem necessary to use edge weights (kludged temple) so I did not.

**Finishing of Samples:** Washed in machine set to delicate & cold then hung to dry.

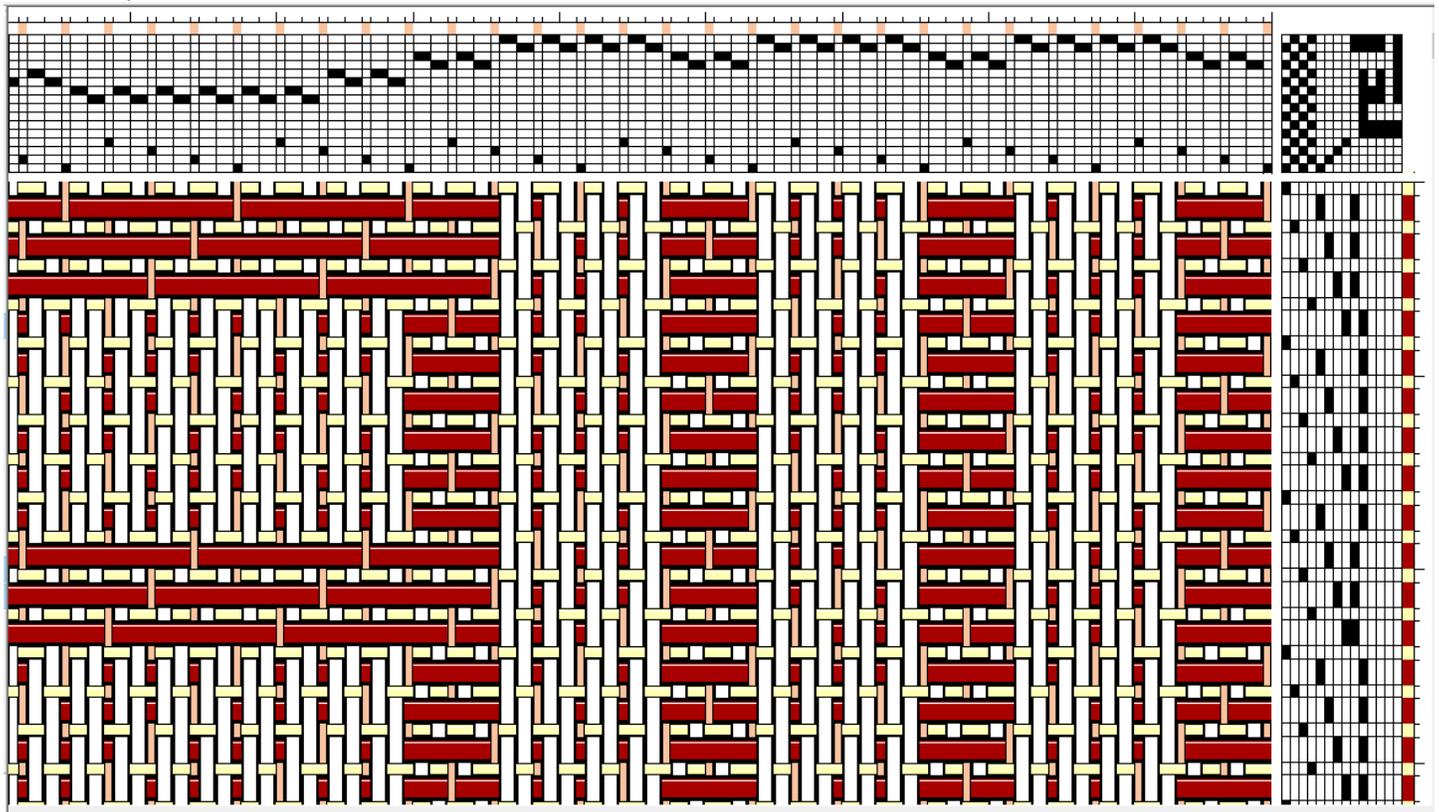
## References:

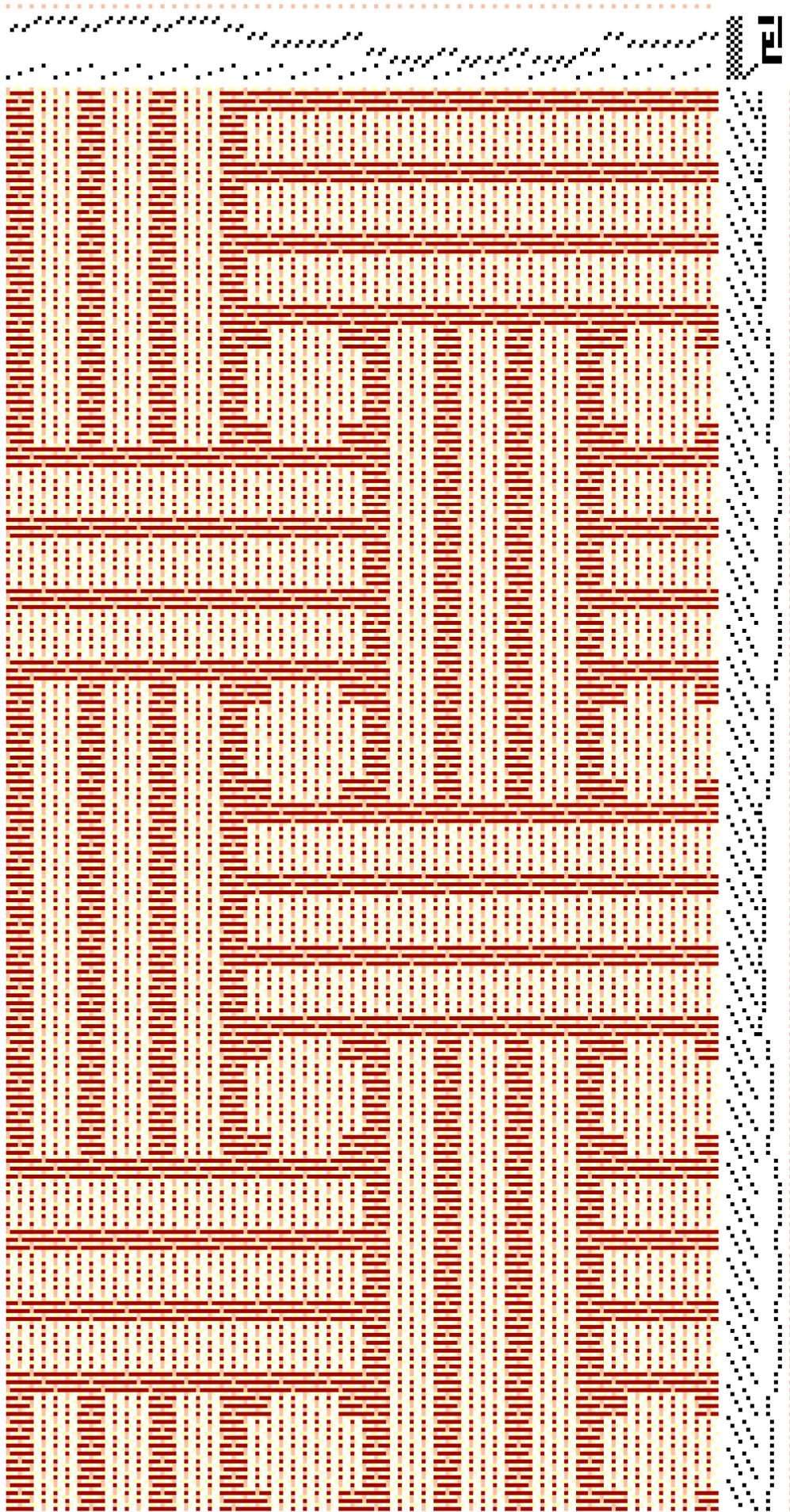
- The 6 block profile draft was obtained from *Roses and Snowballs: the Development of Block Patterns in the German Linen-Weaving Tradition* by Patricia Hilts, *Ars Textrina* 5 (1986), pp 167-248 available via <http://ulita.leeds.ac.uk/research/ars-textrina-textiles-group/ars-textrina-journals/>
- *Lampas and Contrails Coverlet* by Jacquie Kelly, *Prairie Wool Companion Magazine* #15, page 46-50
- *Lampas for 8* by Donna Sullivan, *Prairie Wool Companion Magazine* #16, page 34-40
- Chapter titled *Lampas* in *The Complete Book of Drafting for Handweavers*, by Madelyn Van Der Hoogt, starting on page 104. The diagrams of the structure are excellent.
- *Pattern and Loom* by John Becker, Chapter 6, pp133-168.
- *Lampas for Dobby Version 3b* by Alice Schlein - 68 pages with accompanying wif files. This monograph was insightful and will provide inspiration for my future, more ambitious, Lampas efforts.

### Profile Draft:



### Close-Up of Partial Draft:





Full Draft:



