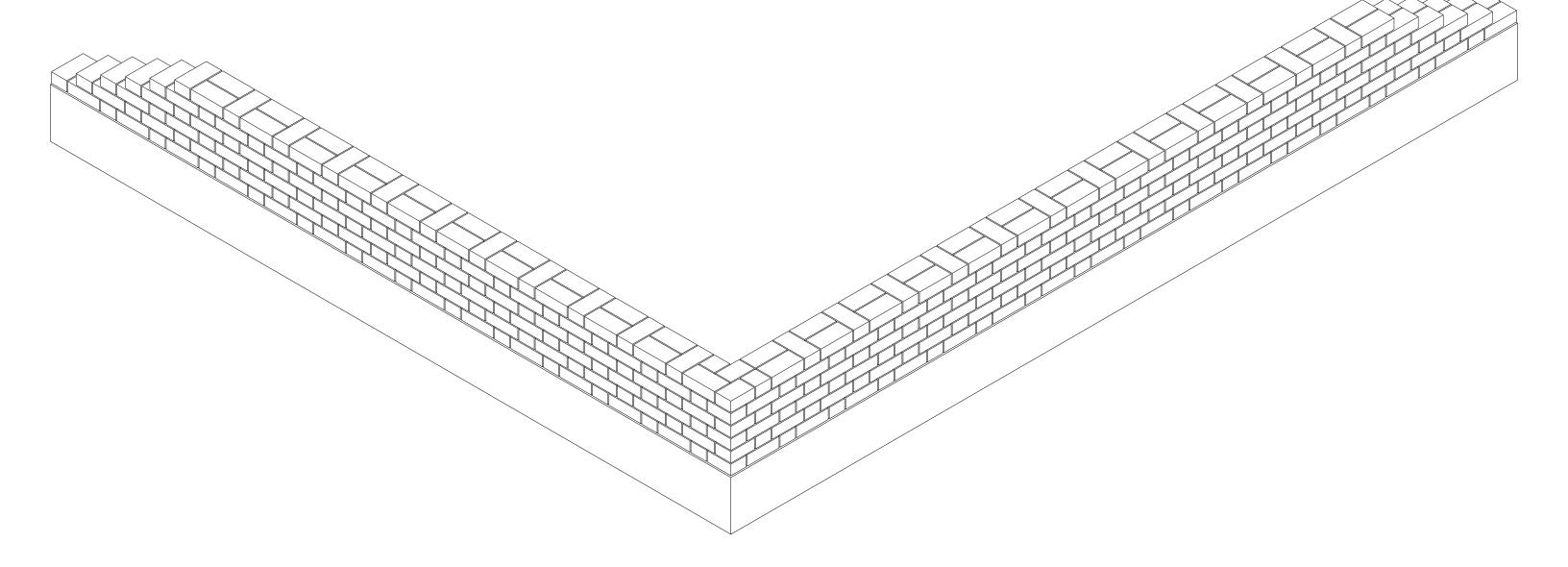
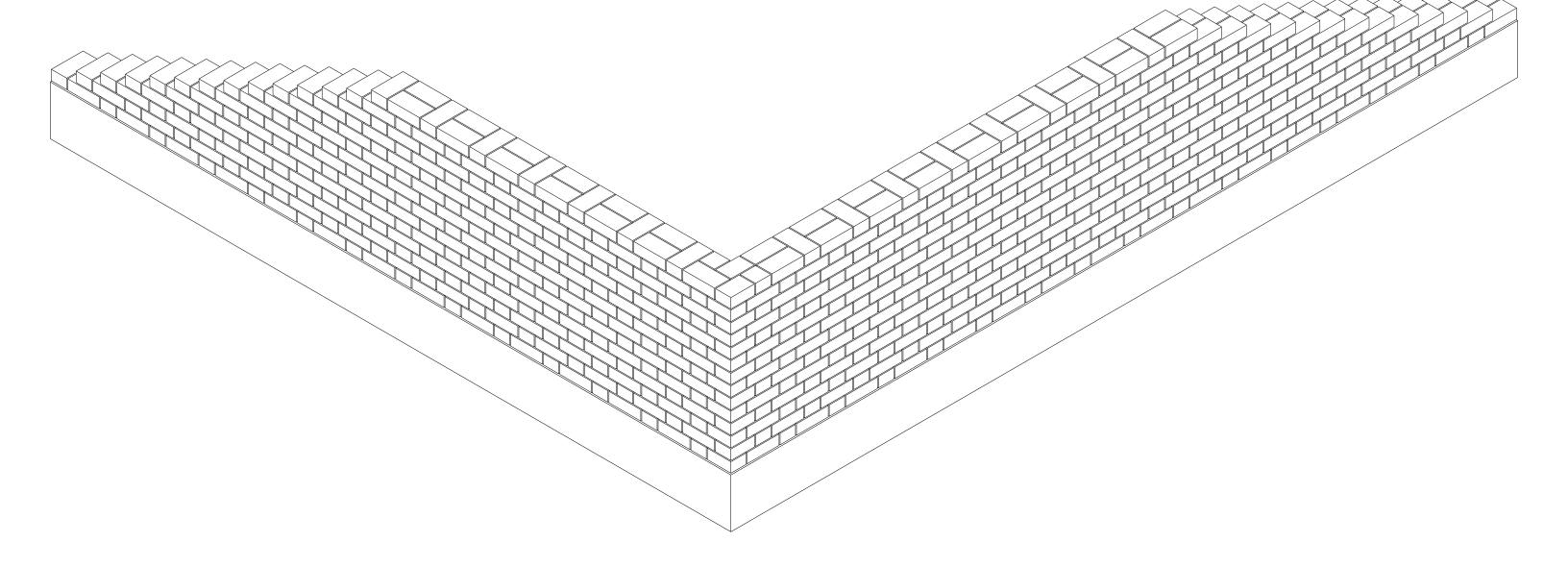
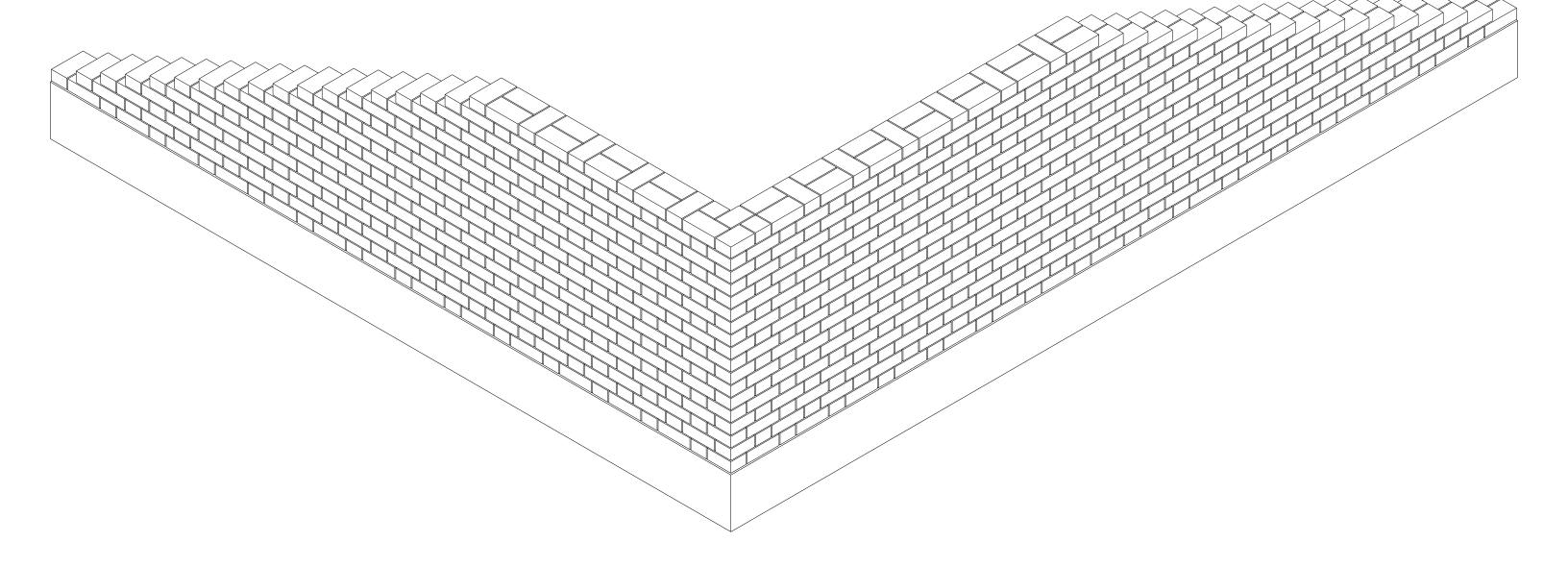


Design Assignment 2.1: BONDING EXERCISE Standard Bonding Pattern



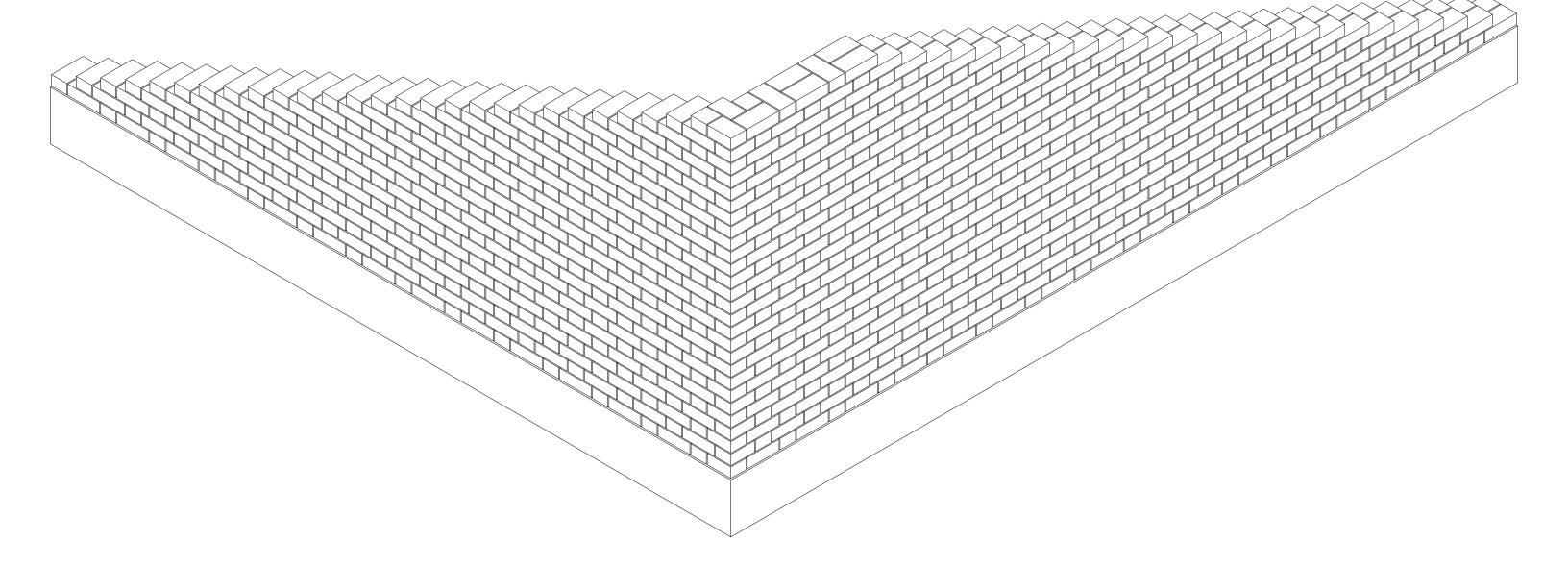
Flmeish Bond





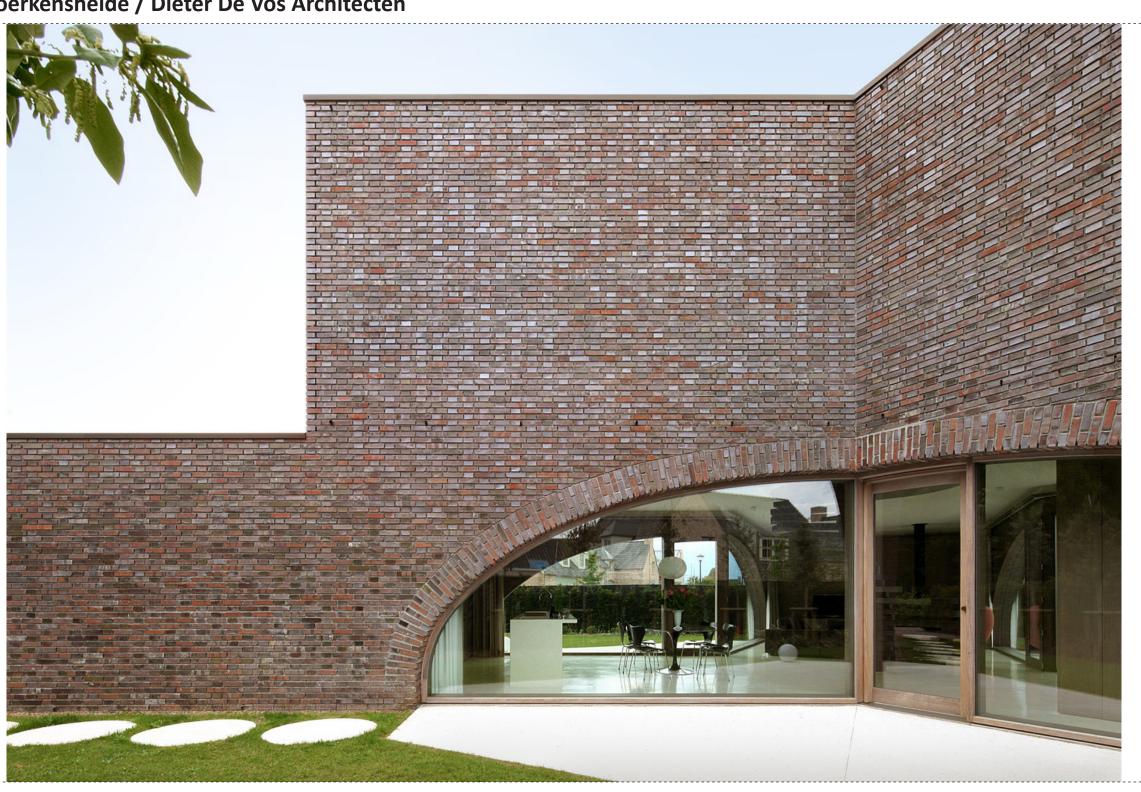
Evan Clark Lexi Winston Owen Byrnes

Wentworth Institute of Technology
College of Architecture, Design and Construction



Design Assignment 2.1: BONDING EXERCISE

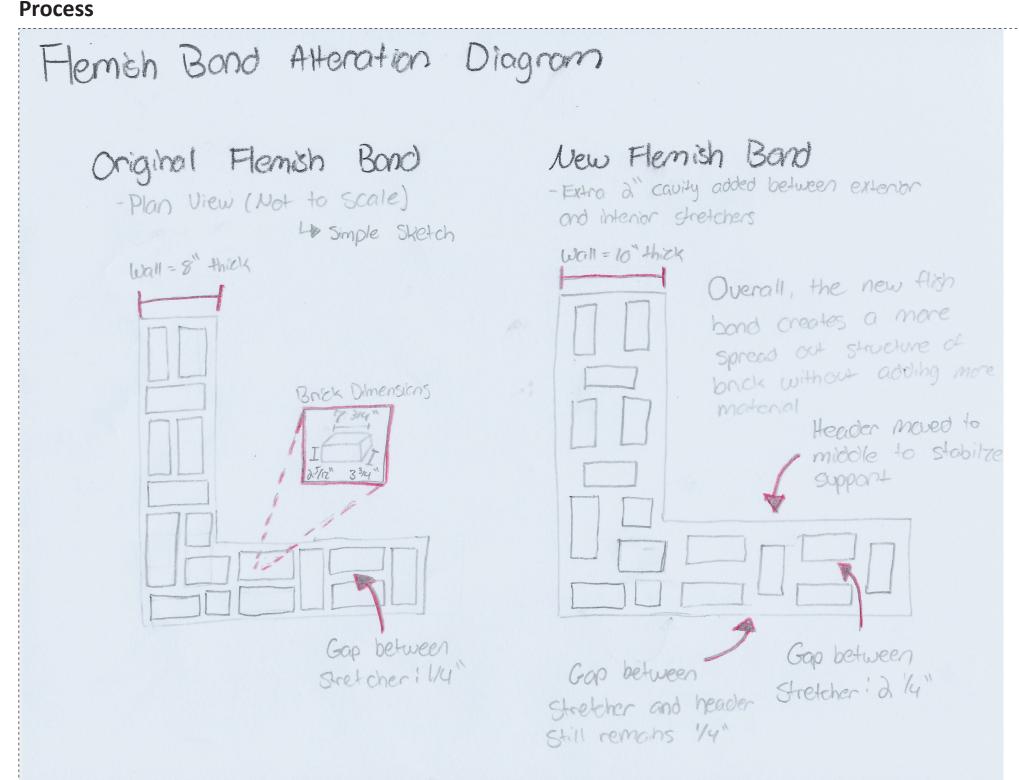
Inspirations: Villa Moerkensheide / Dieter De Vos Architecten



Design Assignment 2.1: BONDING EXERCISE
Inspirations: Villa Moerkensheide / Dieter De Vos Architecten

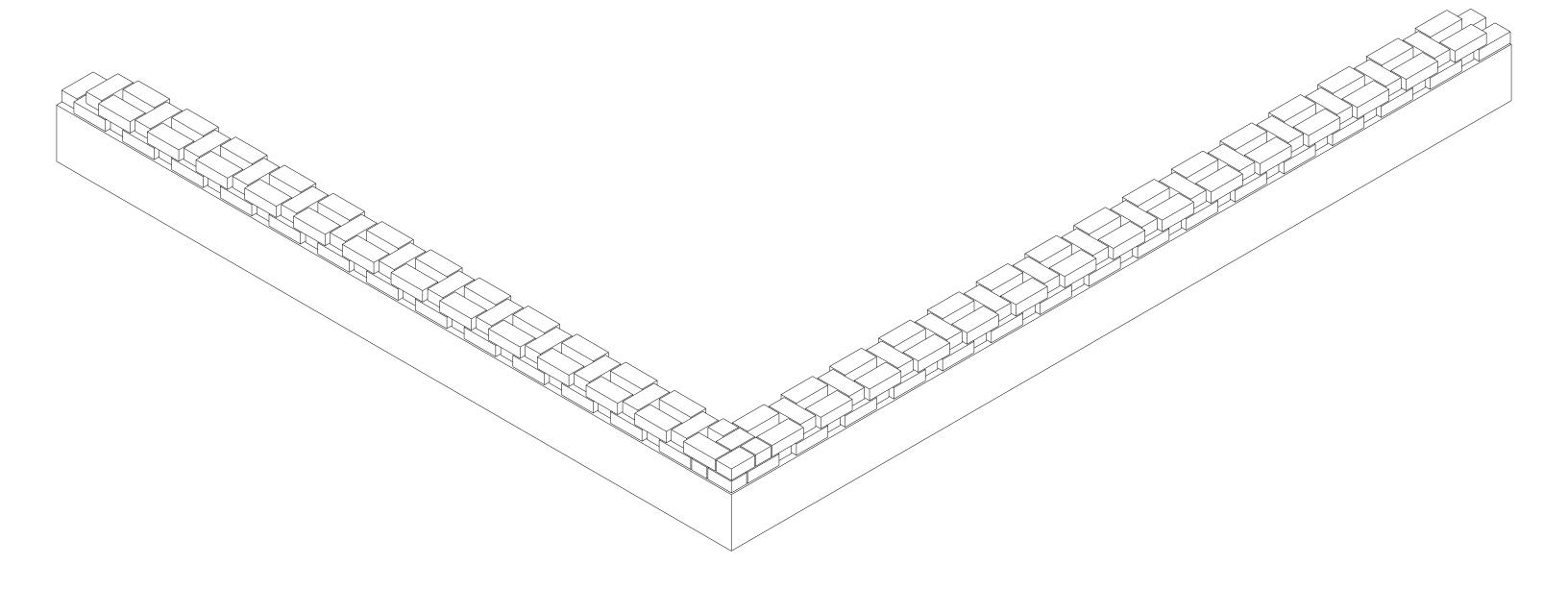


Design Assignment 2.1: BONDING EXERCISE



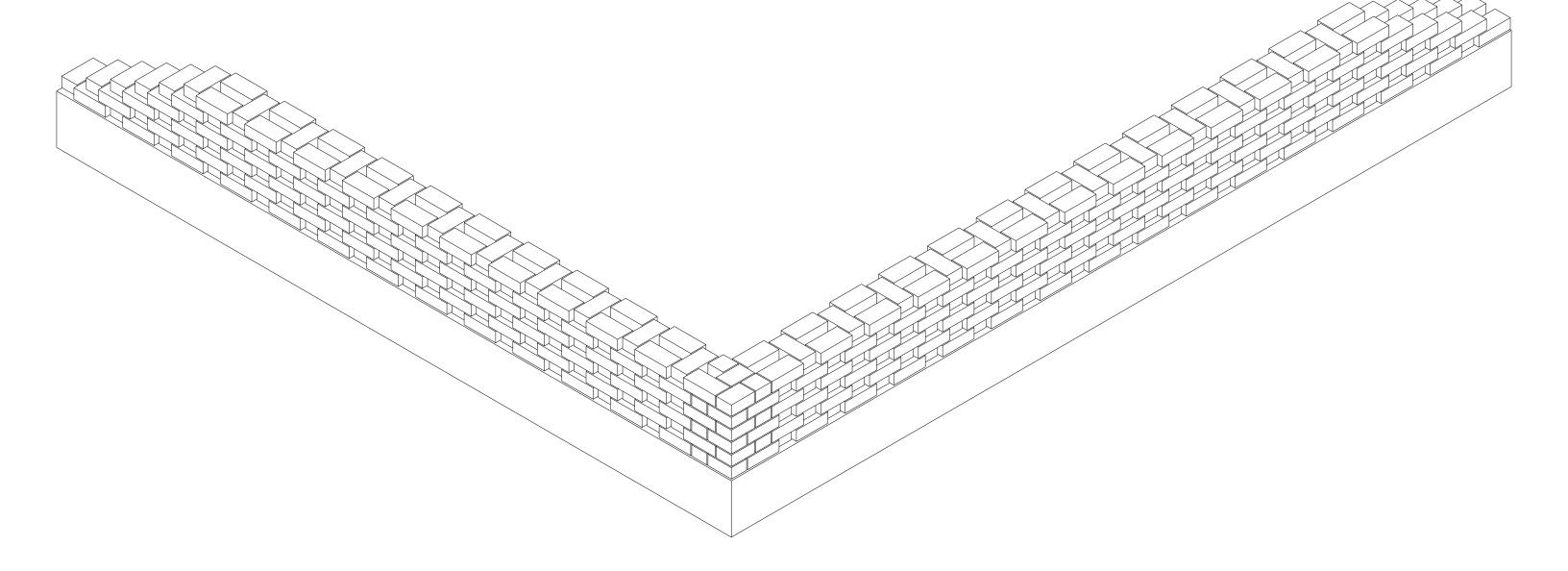
Upon Analyzing the original flemish bond, our group decided to make an alteration in which the cap between stretchers was increased to 2 1/4" instead of the standard 1/4". By adding an additional two inches of seperation, the foundation was expanded to 10" (previously 8"). Separting the stetchers resulted in the headers aslo needing to be centered. One thing to point out is that the corner of the new structure basically remains the same while the rest of the brick is more spread out. Overall, we found that the new flemish bond creates a more spread out structure without adding any new material. In addition, it is revealed how the tecture of the wall is altered with a simple change with the headers being pushed in resulting in an indent. In the following slides, you will find a new 3D model that replicates this deisgn change.

Design Assignment 2.1: BONDING EXERCISE Experimental Bonding Pattern



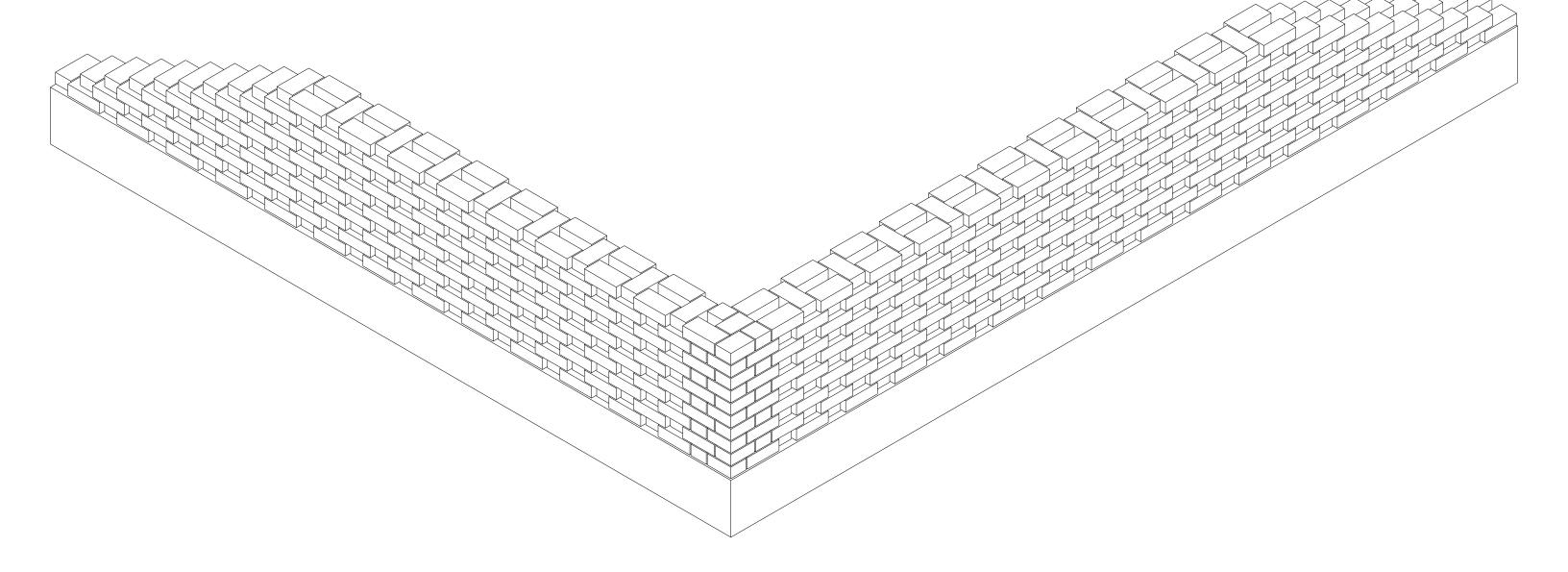
Flemish Bond Alteration

Design Assignment 2.1: BONDING EXERCISE Experimental Bonding Pattern

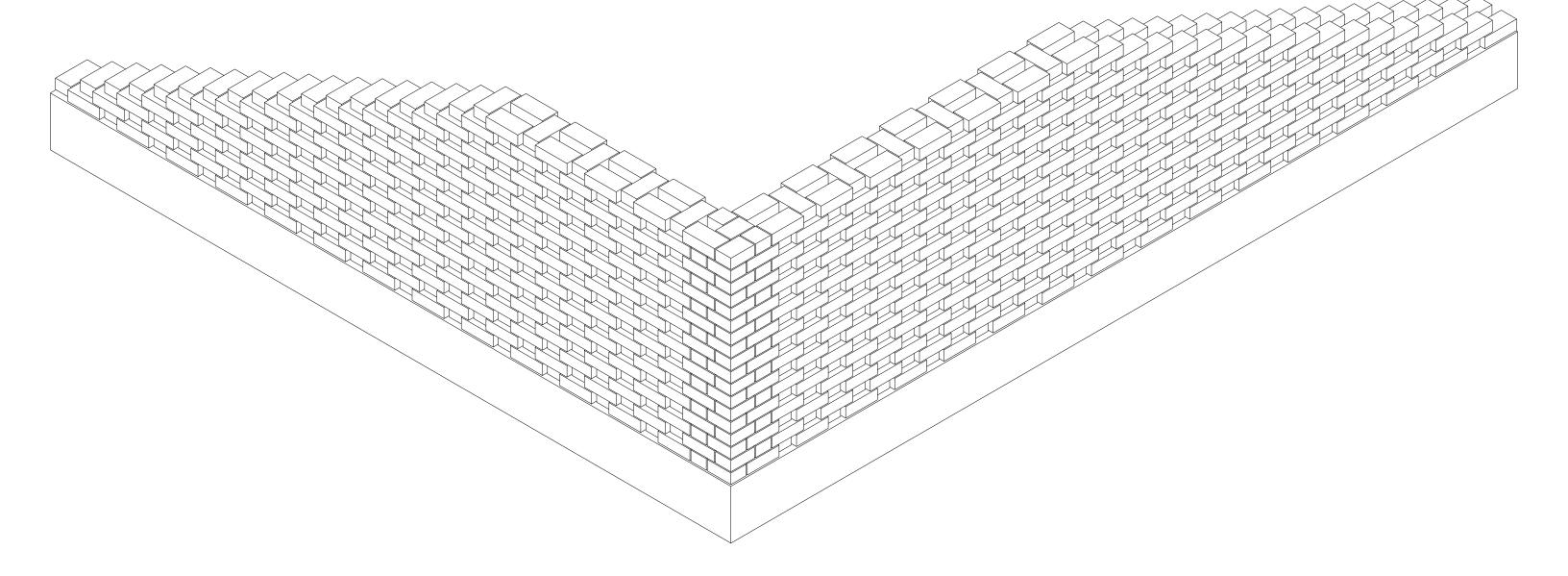


Flemish Bond Alteration

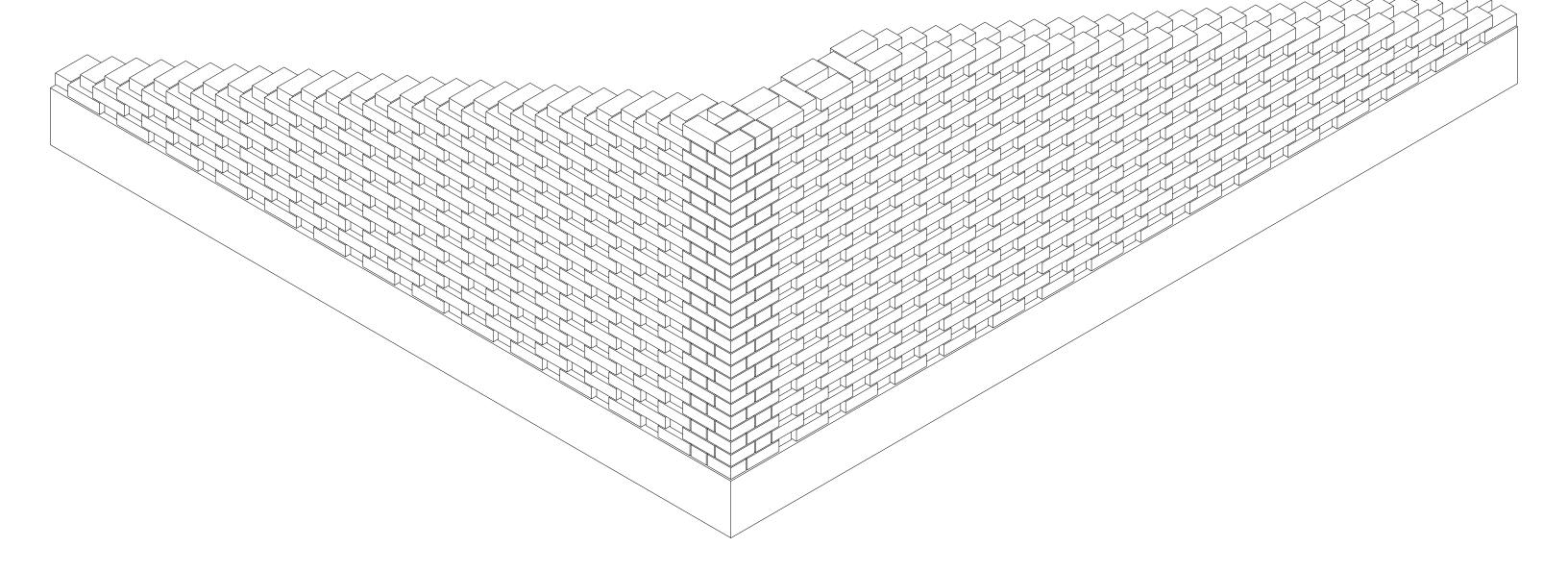
Design Assignment 2.1: BONDING EXERCISE Experimental Bonding Pattern



Design Assignment 2.1: BONDING EXERCISE Experimental Bonding Pattern

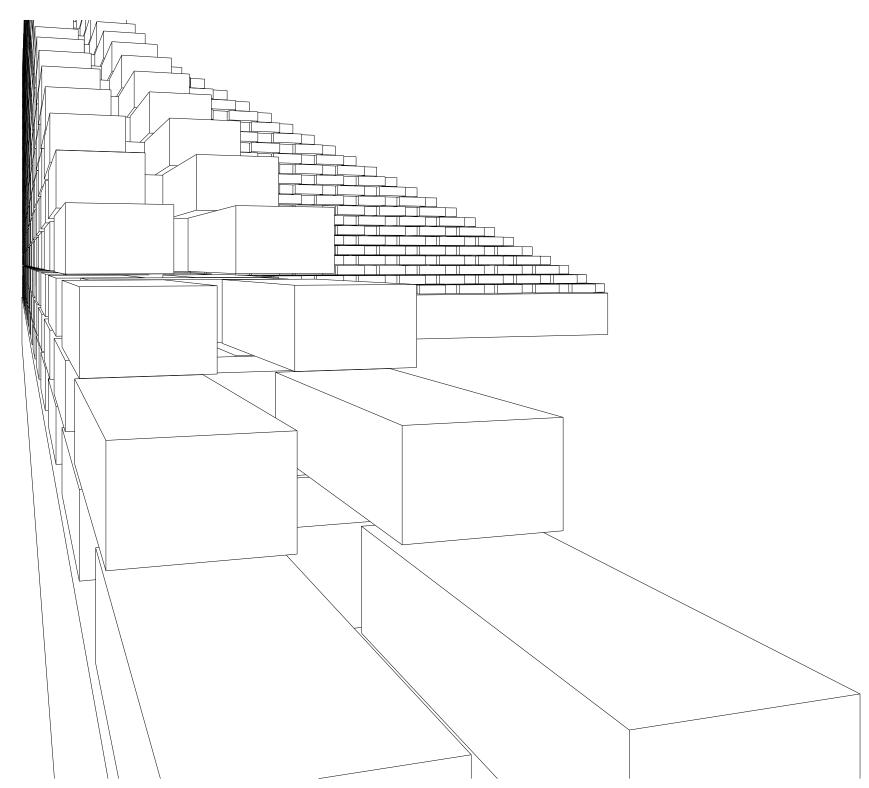


Design Assignment 2.1: BONDING EXERCISE Experimental Bonding Pattern



Design Assignment 2.1: BONDING EXERCISE

Experimental Bonding Pattern



Flemish Bond Alteration: Zoomed Perspective