french house
French House
Dayton, Ohio
David Niland Architect

Three Dimensional Analysis

1. creation of three horizontal singular extensions \((x,y,z)\) rotated about a central vertical singular extension \((s)\)
2. each singular extension has a terminal point
each terminal point is treated in a different manner
\((s)\) is divided into two parts with a negative space in-between
\((x)\) is pulled straight out
\((y)\) is pulled out laterally
\((z)\) is split into thirds with two outer parts pulled straight out and the middle part is left in place
3. addition of variable B-spaces to the singular extension system A-space
4. constant horizontal band in relationship to the variable heights of the three horizontal singular extensions

Bonnet System (10 total)

5a. angle of bonnets is constant
    height is variable due to depth of B units
    width or bonnet is also variable
    orientation of bonnets is variable
5b. one on the west face capturing eastern light
5c. two on the south face capturing northern light
5d. three on the north face capturing southern light
5e. four on the east face capturing northern light

Two Dimensional Analysis

6. from the center, pirouette three singular extensions
7. each singular extension has a terminal point
8. each terminal point is treated differently:
   \((x)\) is pulled forward
   \((y)\) is pulled laterally
   \((z)\) is pulled forward and split in two
9. addition of variable units to constant singular extension system.
10. terminal point constants – 6 units depth (each unit equals eight inches)
11. internal constants – 7 units depth
12. servant space constants – 5 units depth
David Niland - 3d constant and variable analysis
David Niland - 2D constant and variable analysis