BUILDINGENERGY BOTTOM LINES

Northeast Sustainable Energy Association
Provider Number G338

A Commercial Building Retrofit With Passive Detailing: A Case Study

Course Number

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Course Description

Take an in-depth look at a commercial case study: a retrofit of an industrial office space in NYC. See new challenges and solutions as Passive House moves from residential to commercial construction.

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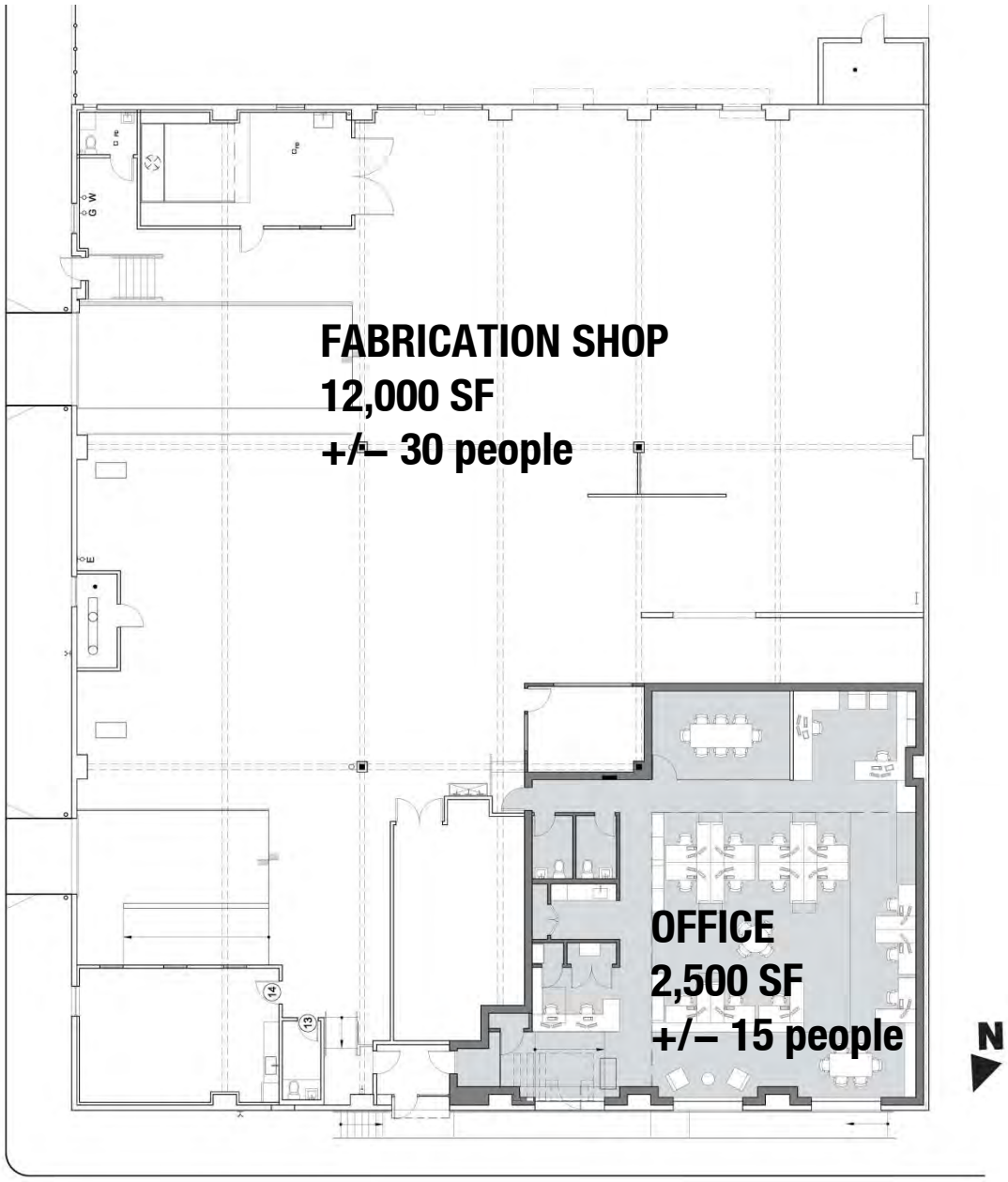

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The Shop

- Can be loud
- Produces fumes & therefore requires lots of ventilation
- Is kept at a cooler temp in Winter (60 deg)
- Is not cooled in summer

The Office

- Should be quiet
- Requires much less ventilation
- Should be warm in the winter
- cool in summer

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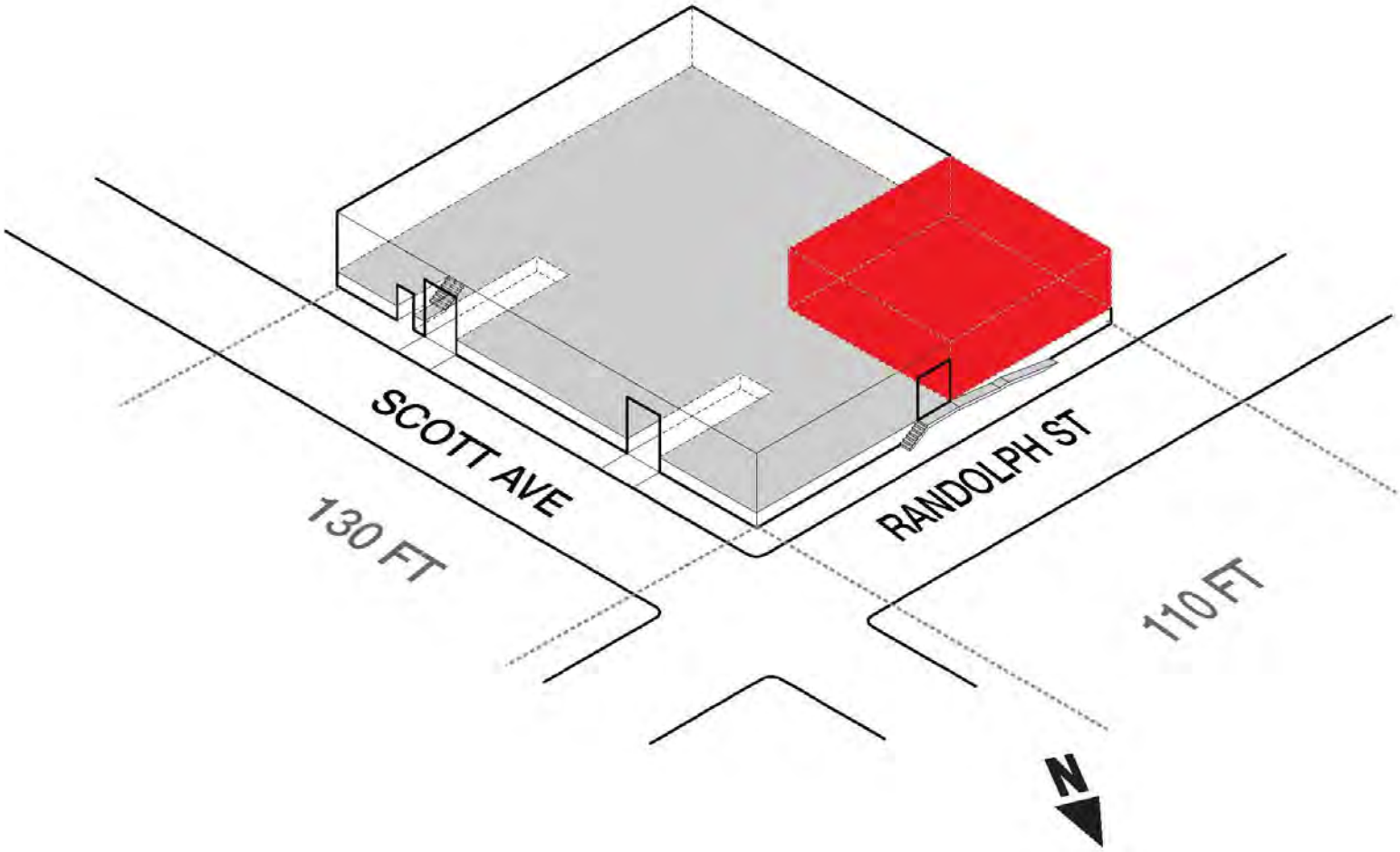
BOX WITHIN A BOX



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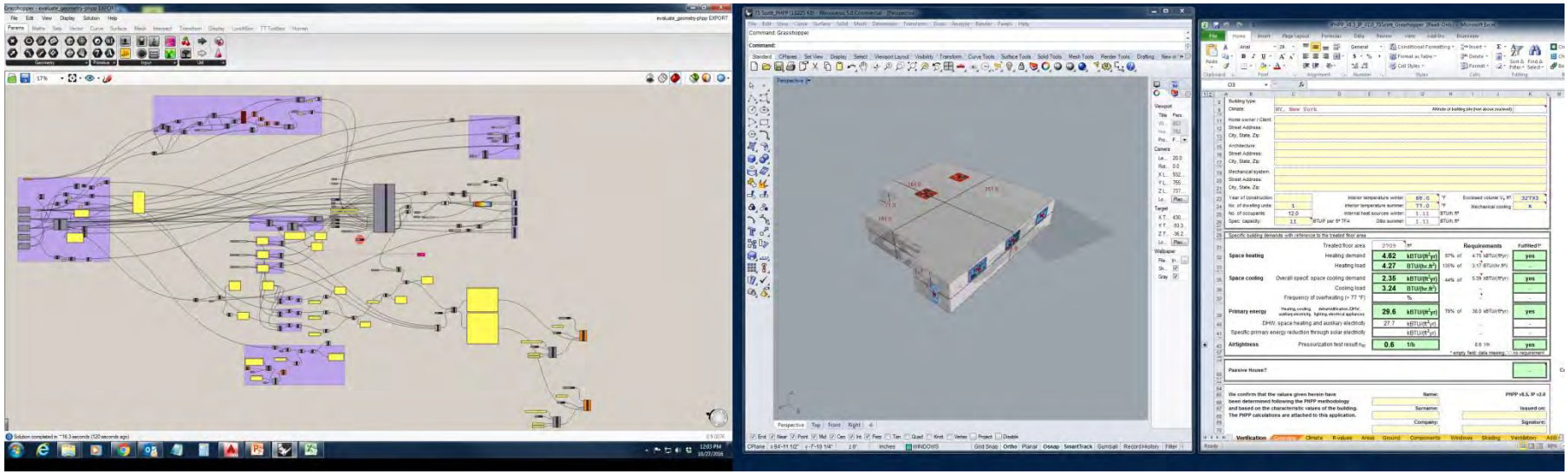
PHPP + RHINO 3D + GRASSHOPPER



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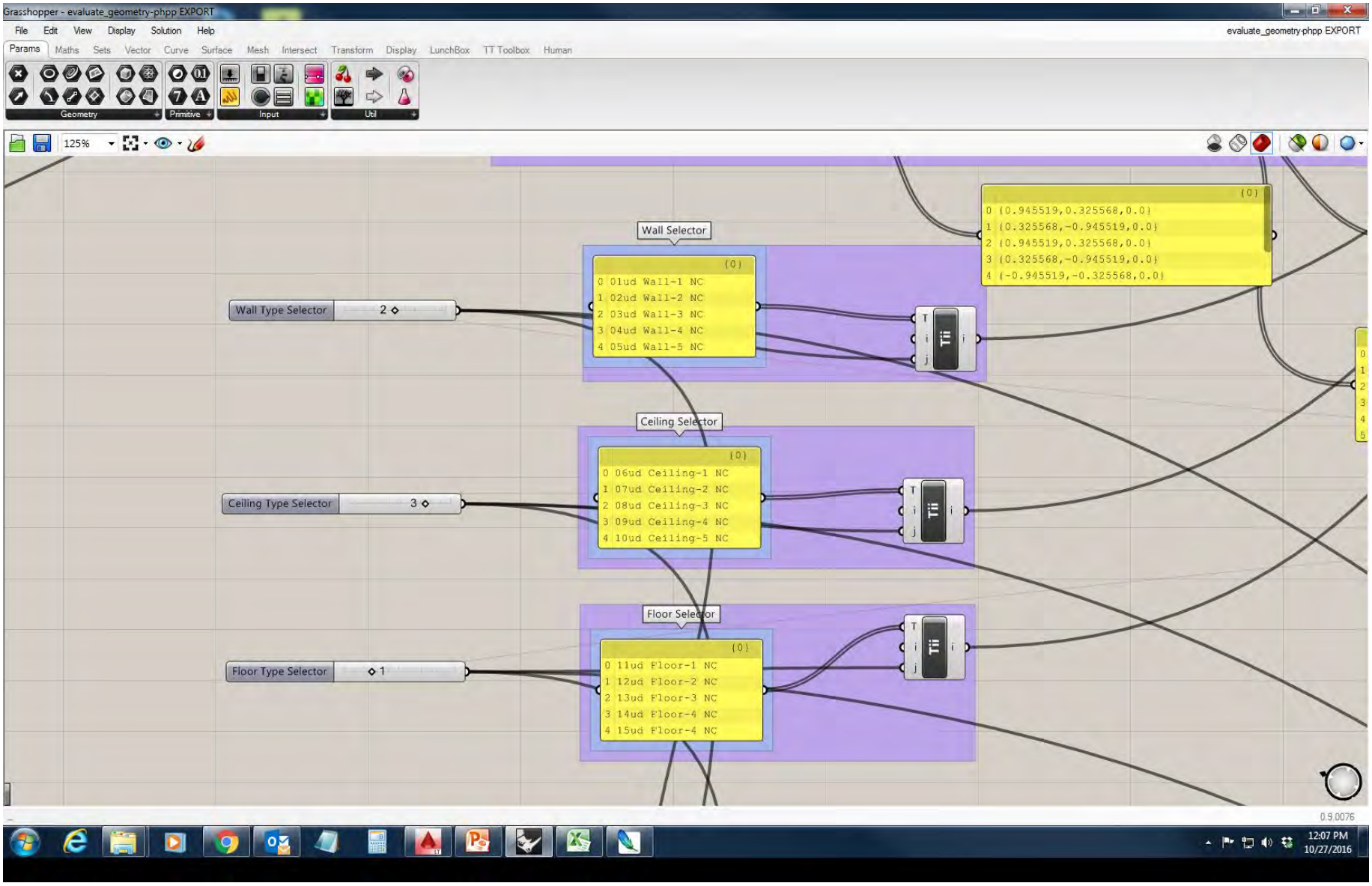

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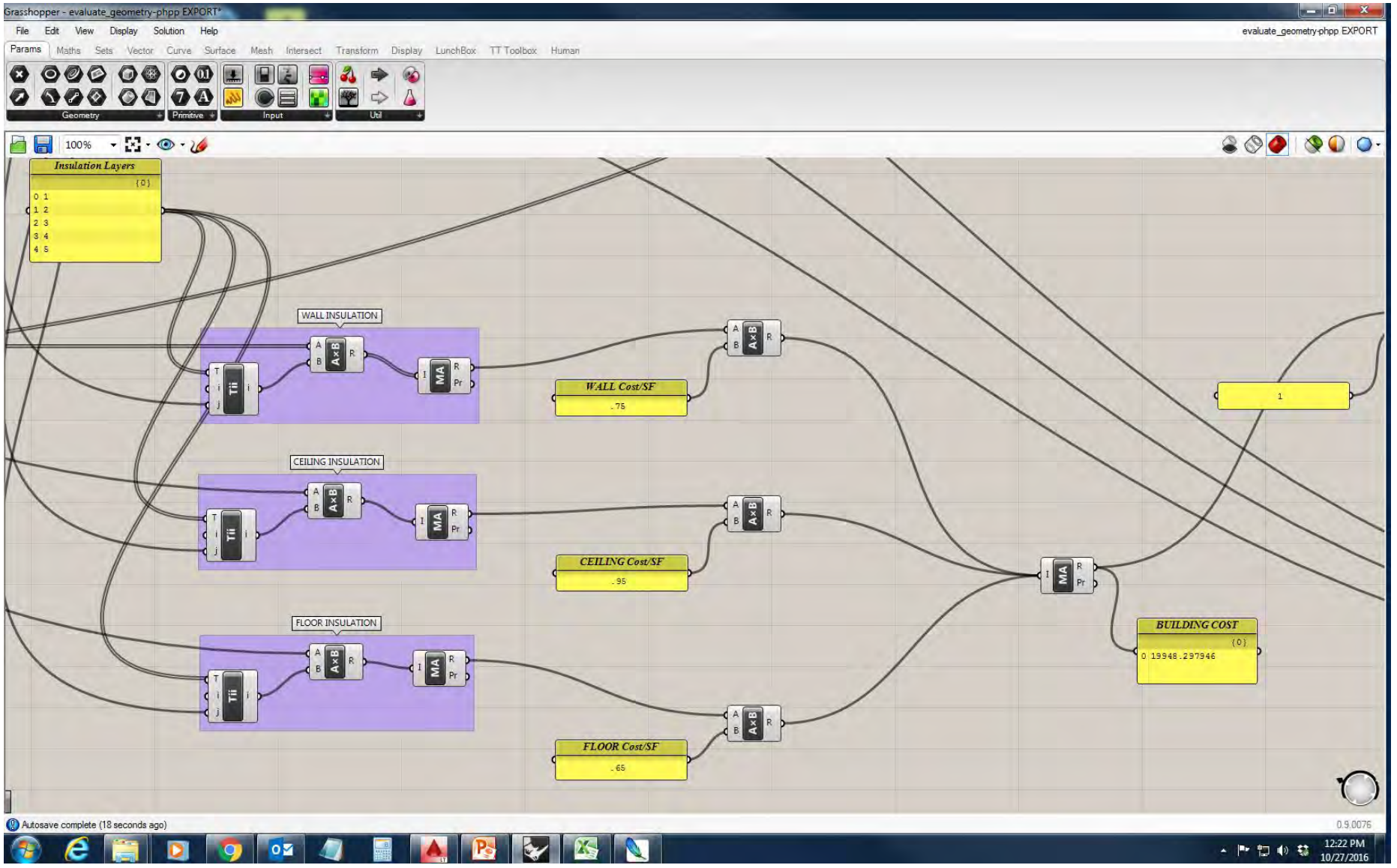

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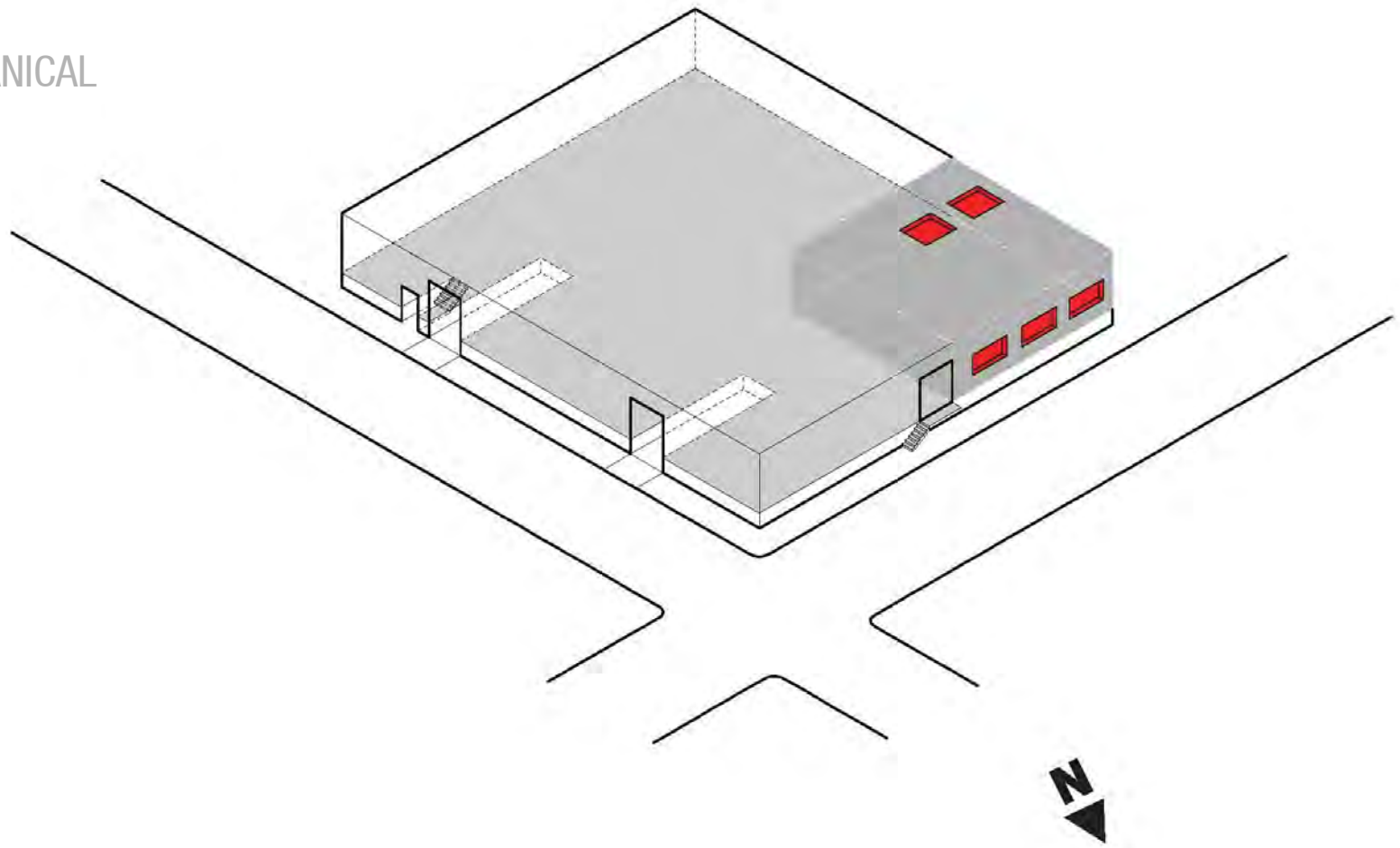
1. **GLAZING**
2. WALLS
3. ROOF
4. FLOOR
5. MECHANICAL



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