The public accessibility overlaps with the student areas at times, while maintaining a strictly student zone. The public amenities (gym, library, fine arts facilities) are designed to be accessible after hours.

Create a node on the linear trail
Celebrate the node and reconnect with the ground.
React to the new geometry of the trail.
Attach program spaces to the new forms.
Create new elevated greenspace adjacent to existing elevated greenspace.

**Form Development**

**Sustainability**

**Usage: Actiivation:**
- School
- Joint-use
  - Students
  - Teachers
  - Parents
  - Community

**Scale Change**

The Bloomingdale Trail provides a connection to the immediate community (functioning as a safe route to school) and a connection to the larger community (as a destination).

**Connectivity**

**Ventilation:**
Air is pulled in through operable windows on the windward elevation, pulled through higher operable clerestories in the classrooms and vented in the atrium.

**Rainwater and heat island effect are managed via an extensive green roof.**

**Direct sunlight is blocked by vertical and horizontal projections provided by the window pop outs.**

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Air is pulled in through operable windows on the windward elevation, pulled through higher operable clerestories in the classrooms and vented in the atrium.

**East sun is controlled in the library via vertical louvers.**

**East sun is diffused by fritted glass in the art studios.**

**Indirect sun is allowed into the hallways via clerestories.**

**A compact urban site maintains connection to the outdoors via a playspace on an intensive green roof.**

**Direct sunlight is diffused and reflected into the atrium via fiberglass baffles.**

**Typical School Model Bloomingdale Campus**

1. Roof Top Playspace/ Growing Lab
2. Collaboration Space
3. Kindergarten Classrooms
4. First Grade Classrooms
5. Second Grade Classrooms
6. Third Grade Classrooms
7. Fourth Grade Classrooms
8. Fifth Grade Classrooms
9. Sixth Grade Classrooms
10. Seventh Grade Classrooms
11. Eighth Grade Classrooms
12. Administration
13. Art Rooms
14. Collaboration Space
15. Library

**Connectivity**

**Sustainability**

**Typical School Model Bloomingdale Campus**

1. Extensive Green Roof
2. Limestone Cladding
3. Standing Seam Metal Roof
4. Interior Vertical Louver
5. Fiberglass Light Baffle
6. Suspended Wood Slat Ceiling
7. Recessed Cubbies
8. Glazed Tile to Match Exterior
9. Operable Transom
10. VAV System (classroom)
11. Radiant Heating (Atrium)

**While multiple scales of space encourage engagement and collaboration, smaller scale opportunities for refuge are also provided.**

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