
Flood Architecture

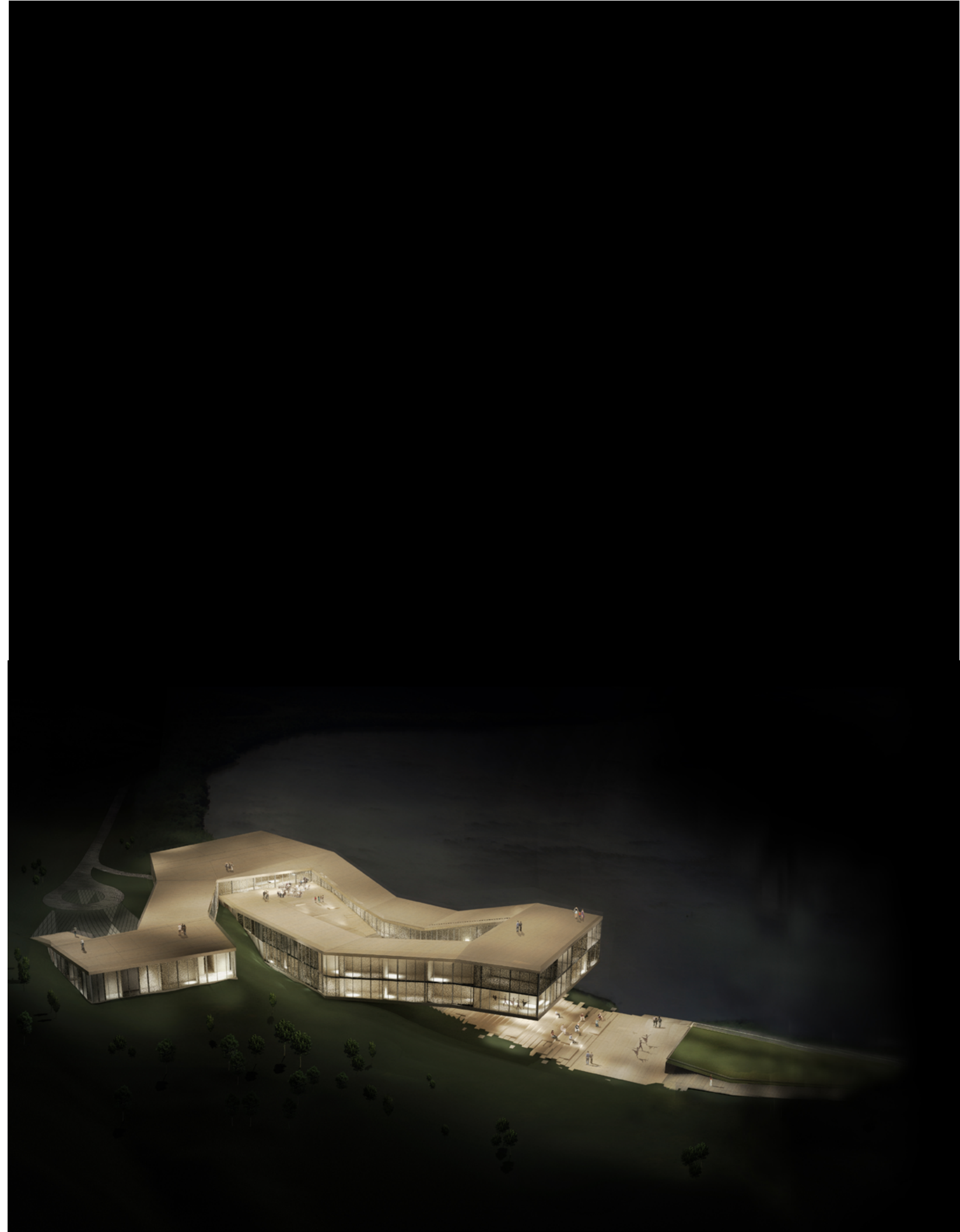
Yves Poitras

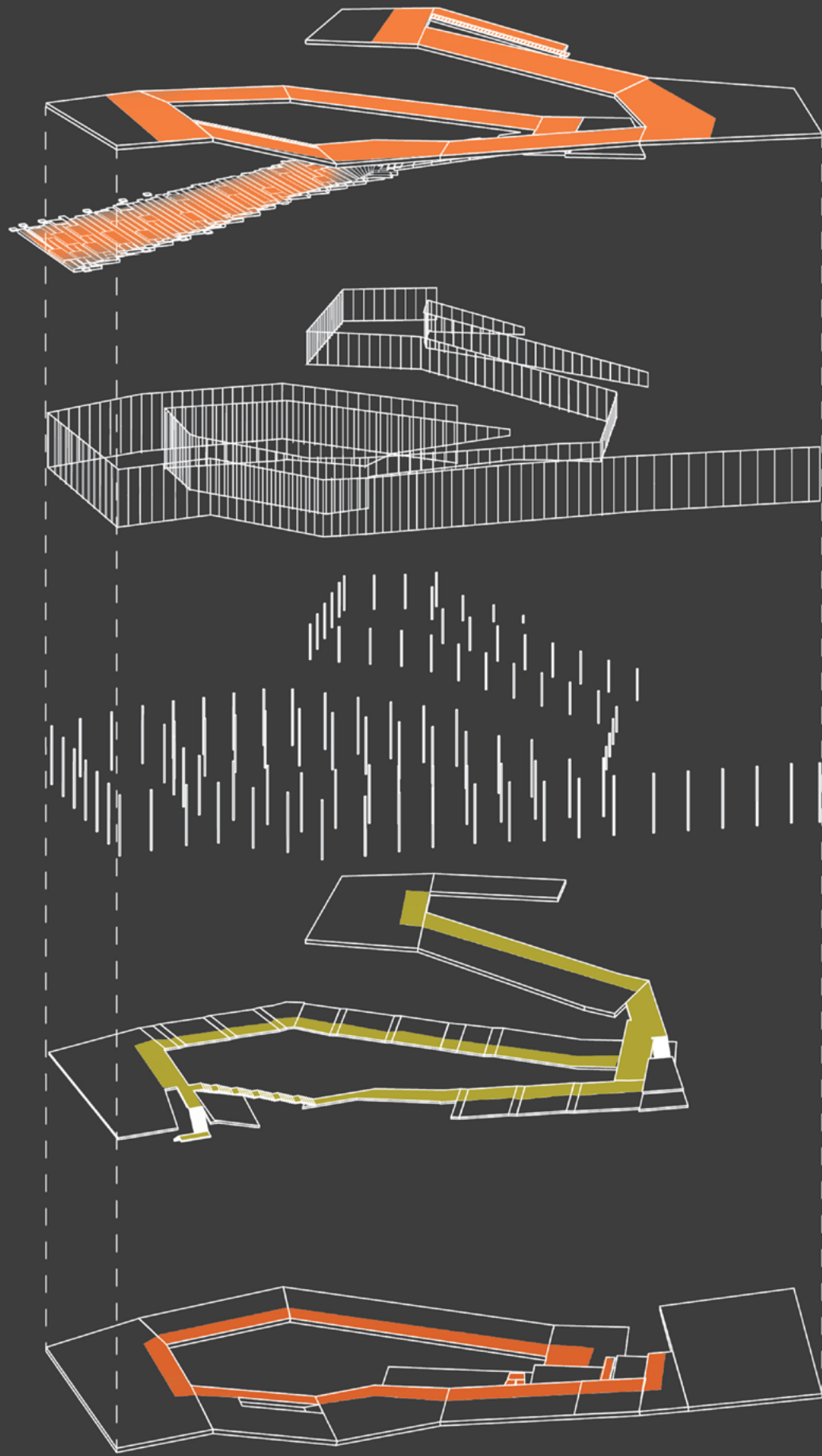
M1 Student, University of Calgary

Instructor:

Graham Livesey, Professor, University of Calgary

In response to the 2013 Calgary flooding, studio III focused on designing a performance arts high school that reacted to a flooding environment. Located in Beaumont Park across from neighborhood of Bowness, the resulting design is centered on creating an extension of the river valley pathway via the school's ramped roof.





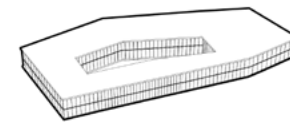
PUBLIC ROOF
CIRCULATION

CURTAIN WALL
SYSTEM

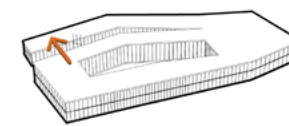
STRUCTURAL
COLUMNS

CIRCULATION
(MAIN FLOOR)

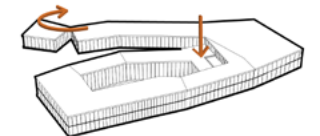
CIRCULATION
(GROUND FLOOR)



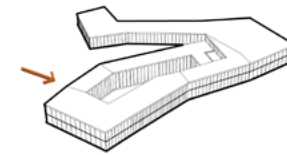
01: INITIAL CIRCULATION LOOP



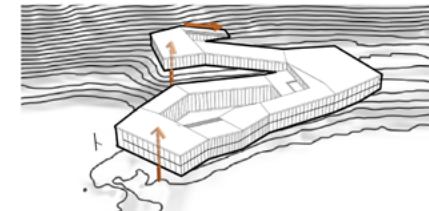
02: BRANCH OUT



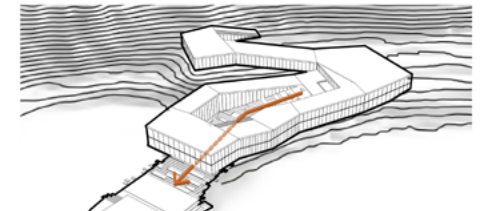
03: ROTATE + SINK



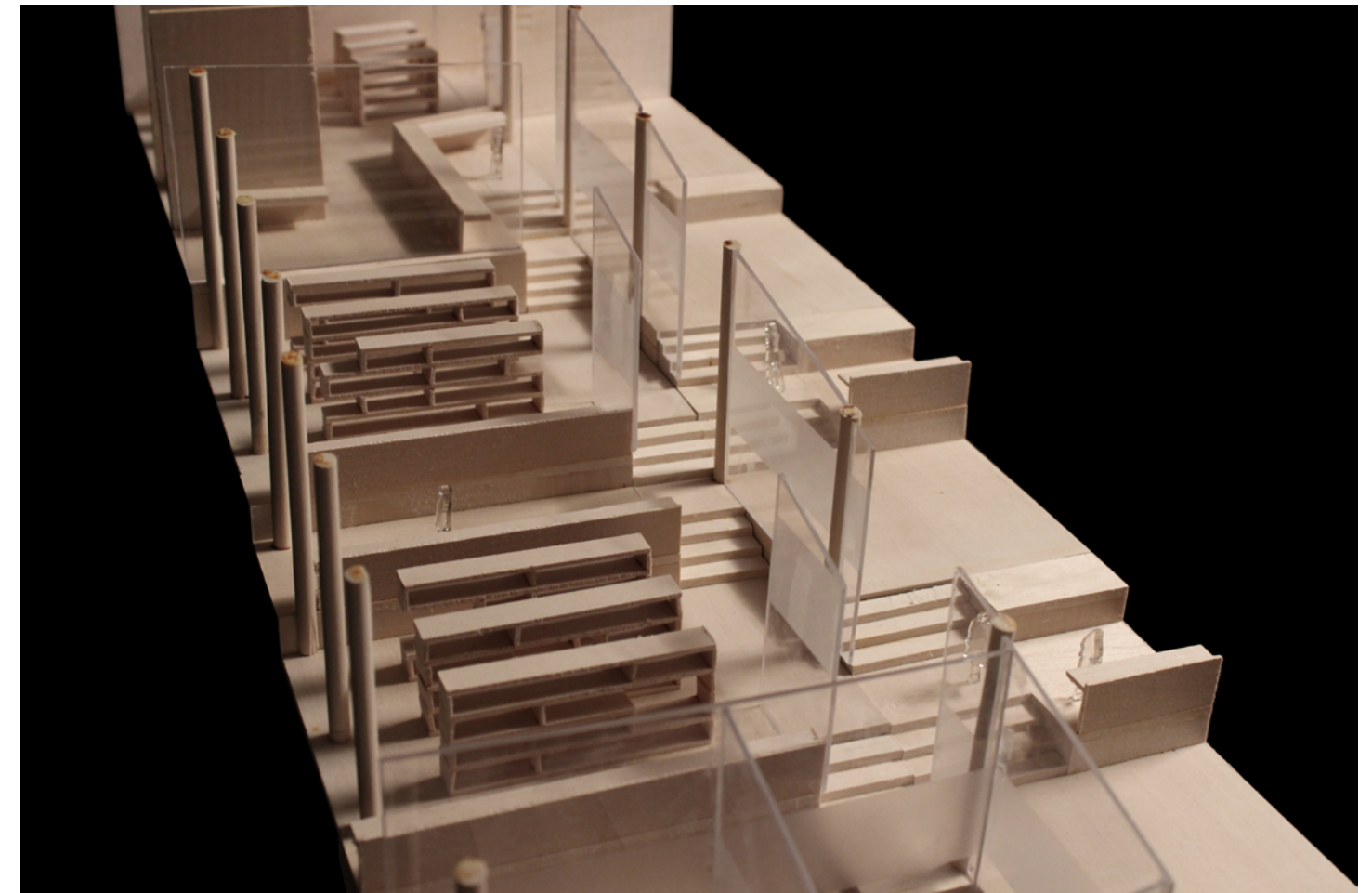
04: ORIENT TOWARDS VIEWS



05: LIFT ABOVE FLOOD PLAIN + ROOF ACCESS

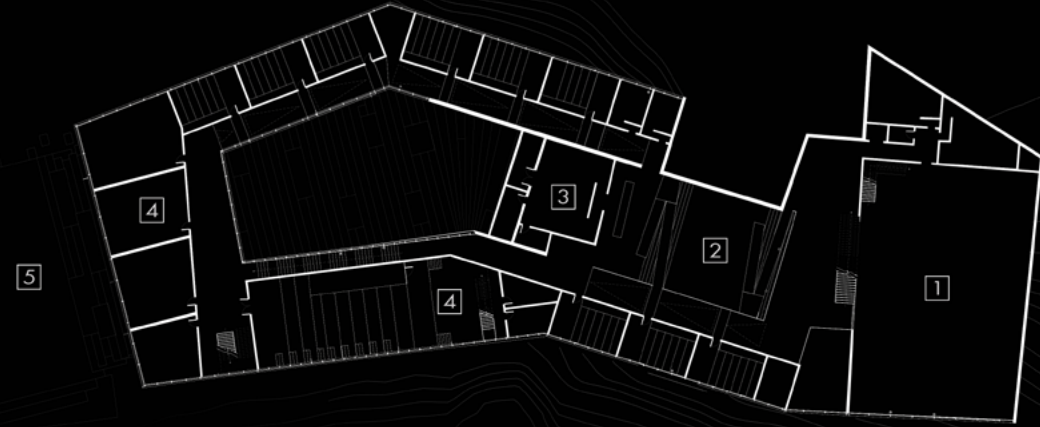


06: COMPLETE ROOF ACCESS



MAIN FLOOR PLAN

- | | |
|-------------|------------------------|
| 1 GYMNASIUM | 4 LOWER STUDIOS |
| 2 CAFETERIA | 5 OUTDOOR AMPHITHEATRE |
| 3 KITCHEN | |
| 4 THEATRE | |



MAIN FLOOR PLAN

- | | |
|-----------------|------------------------------------|
| 1 MAIN ENTRANCE | 5 CLASSROOMS |
| 2 ADMIN | 6 THEATRE |
| 3 LIBRARY | 7 STUDIOS |
| 4 GYMNASIUM | 8 PUBLIC ENTRANCE/
ROOFTOP CAFE |

