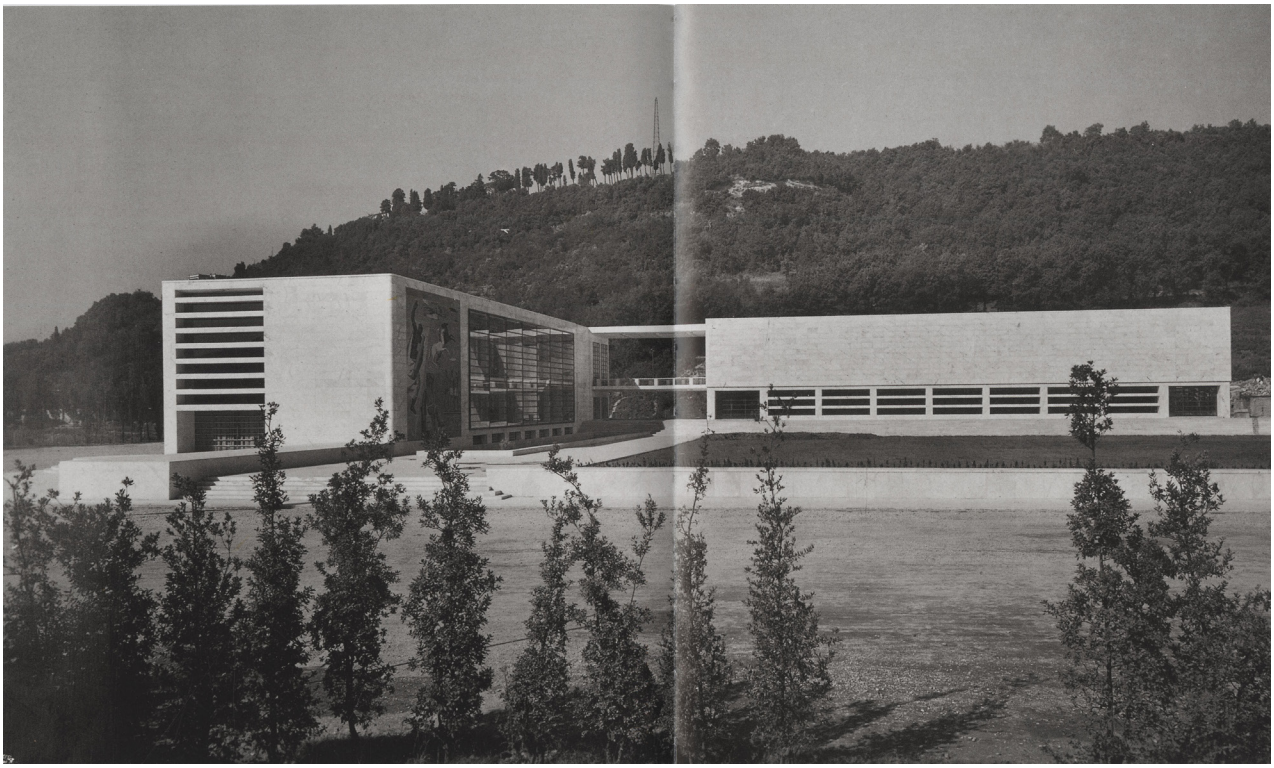
CASA DELLE ARMI
LUIGI MORETTI, 1936



FEMI SHONUGA FLEMING
RISD ARCH 2142, Spring 2022
Critic: Alexander Porter

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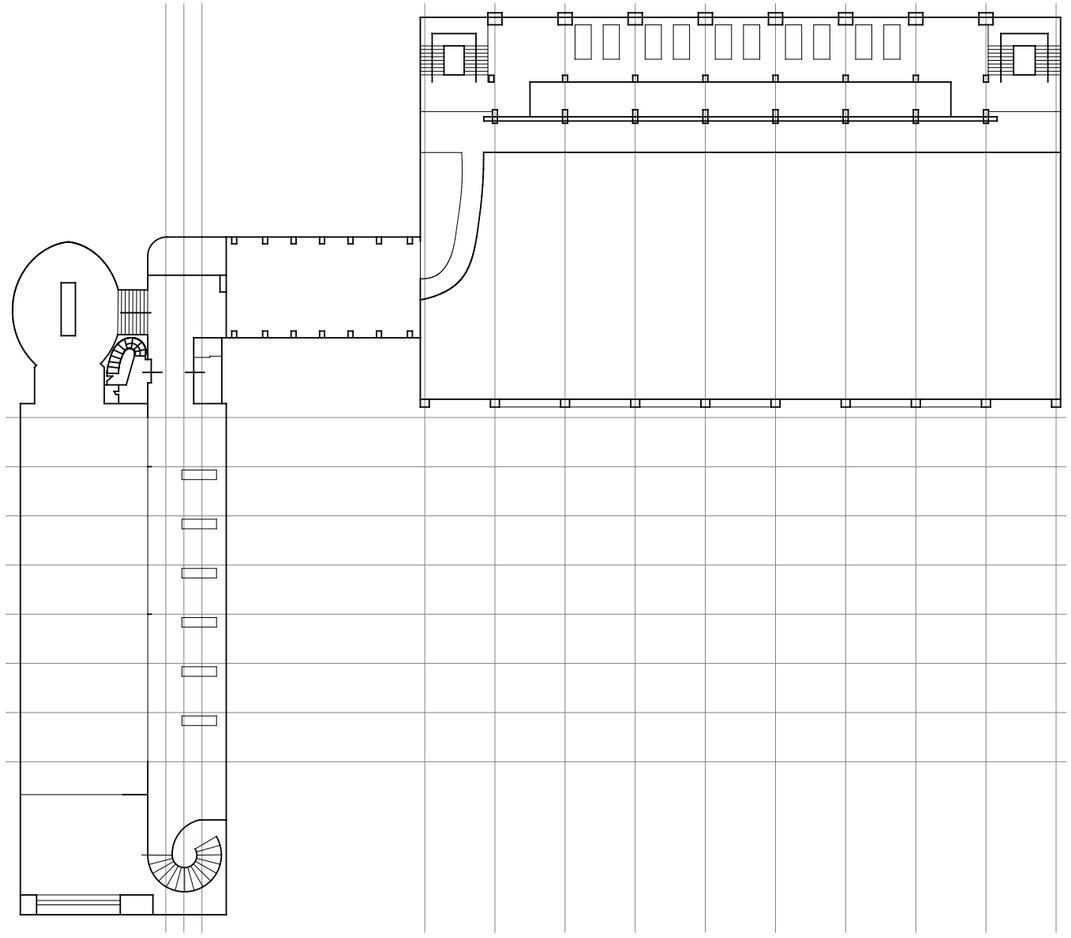
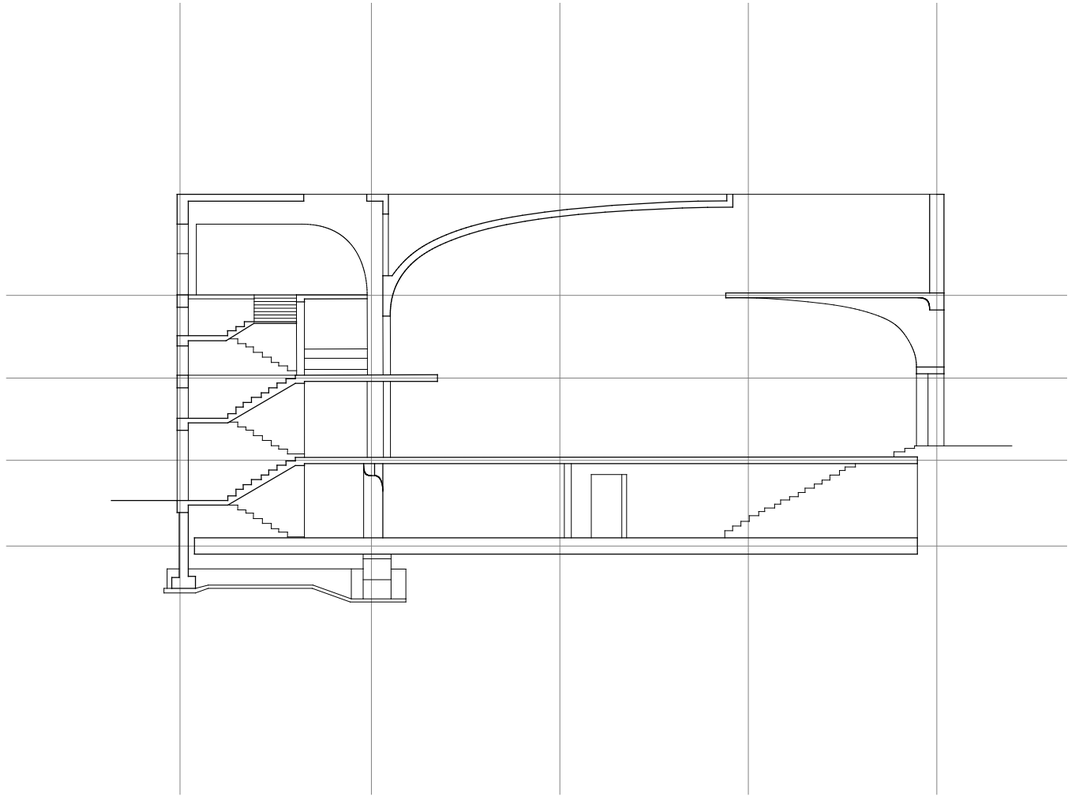
PART I | ORGANIZING PRINCIPLES

Case Delle Armi by Luigi Moretti is organined by various grid systems. The structural elements consist of two rows of colomns on each side of the space that extend into curved beams that shape the interior roof structure. of the fencing space, where they meet around a third of the way in from the entrance at offset hights to create an apeture to allow light into the space. These colomns create the frame for a gridded window. In plan, a rectangular grid determines colomn, tile, stairwell and locker room placement. In section the grid determines floor hight.



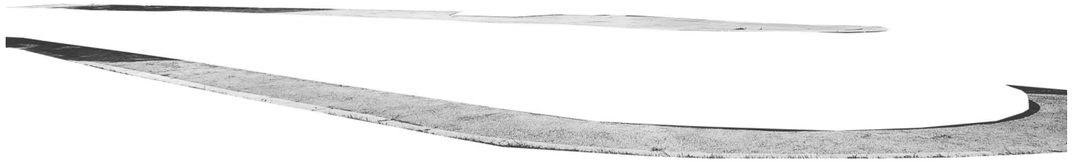
PLAN 1:384

1 2 4 8



SECTION 1:192

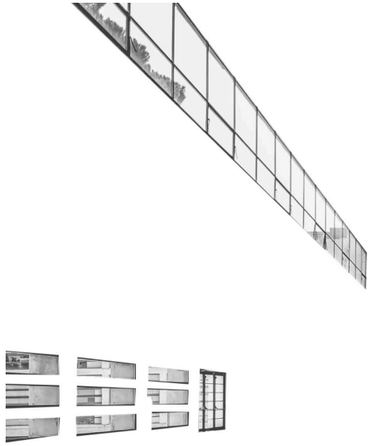
1 2 4 8



EXTERIOR: WALKABLE SURFACES

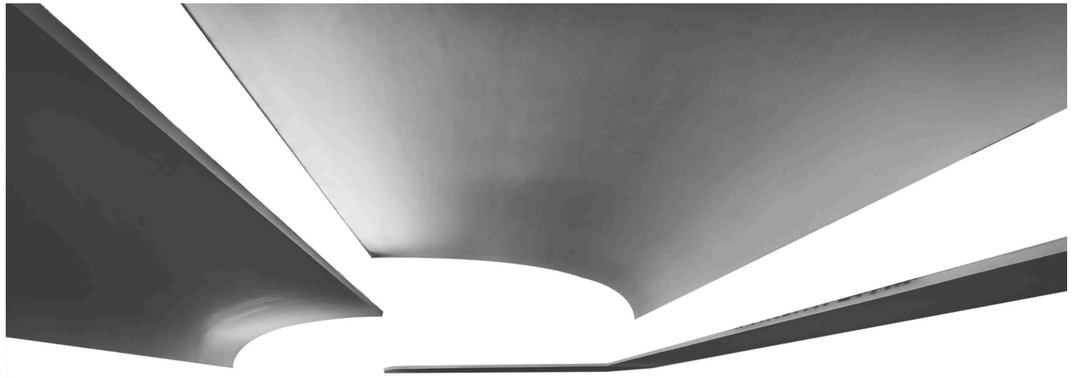
INTERIOR: WALKABLE SURFACES

EXTERIOR: APERTURES



INTERIOR: APERTURES

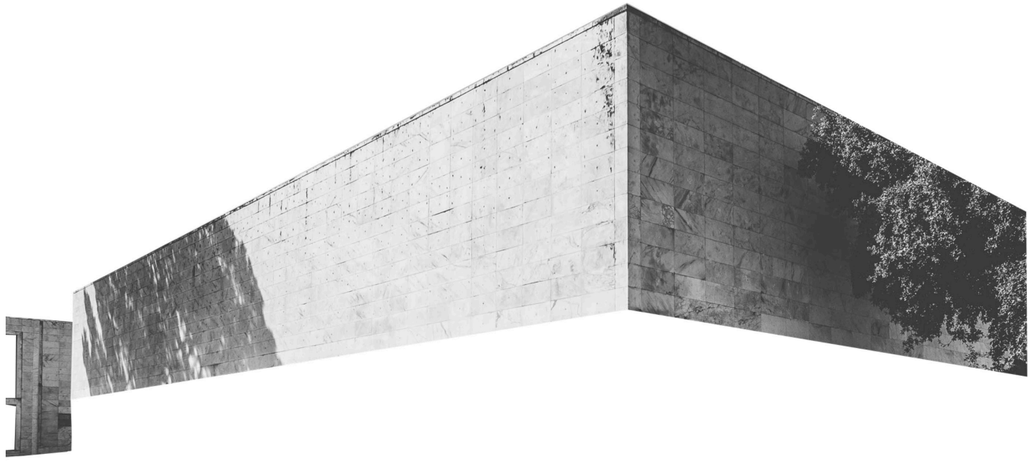
EXTERIOR: STRUCTURAL ELEMENTS



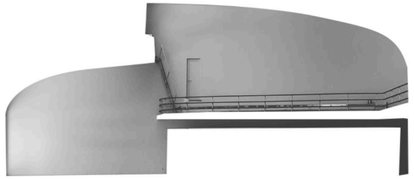
INTERIOR: STRUCTURAL ELEMENTS

EXTERIOR: ORNAMENTAL ELEMENTS

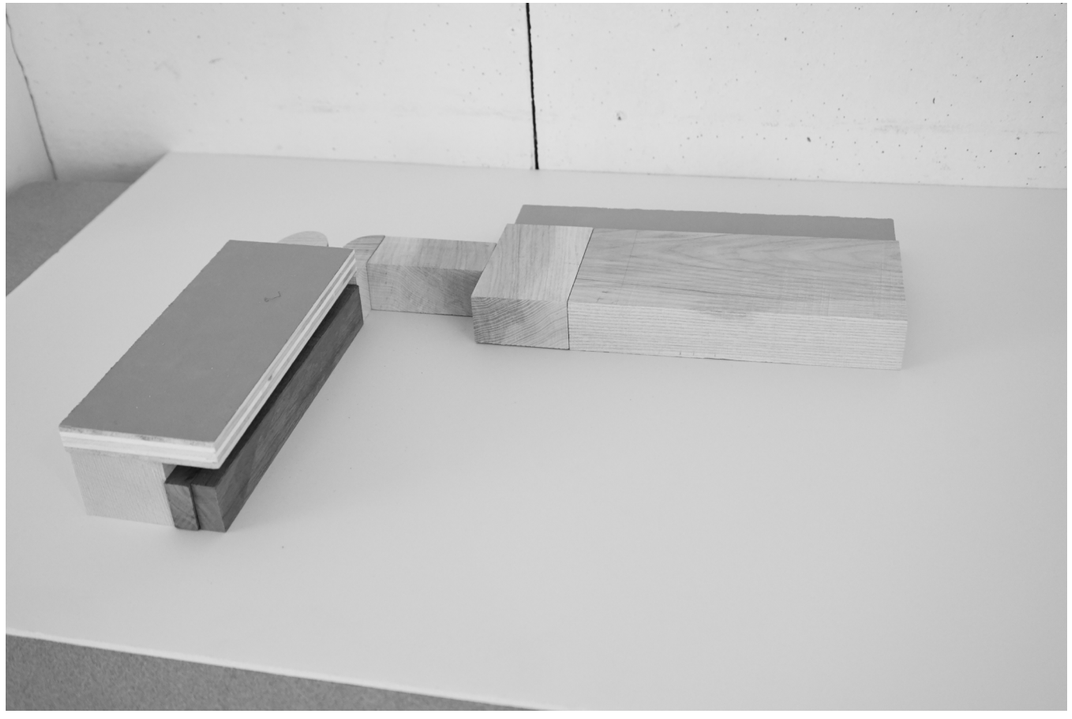
INTERIOR: ORNAMENTAL ELEMENTS



EXTERIOR: IMPLIED VOLUMES



INTERIOR: IMPLIED VOLUMES



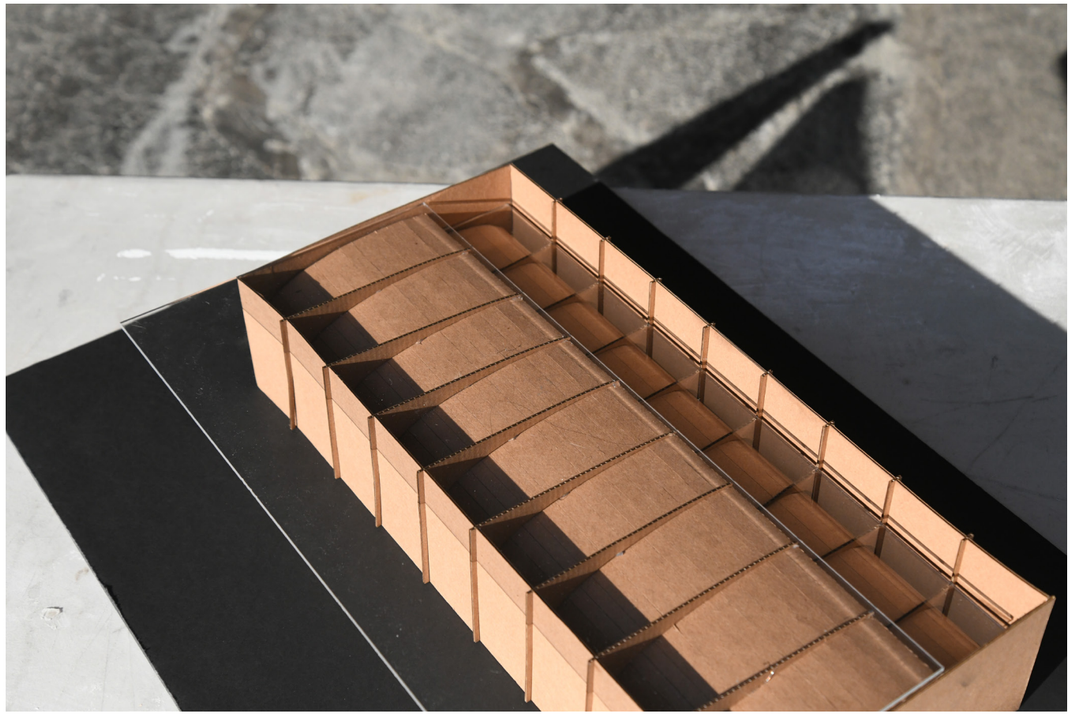
PROGRAM INTERLOCK

LIGHT GREY | MOSTLY PUBLIC / FENCING SPACE
GREY | LOCKER ROOM AND STORAGE
DARK GREY | PRIVATE / RECREATIONAL SPACE

SPACE CATEGORY 1 VS 2 VS 3

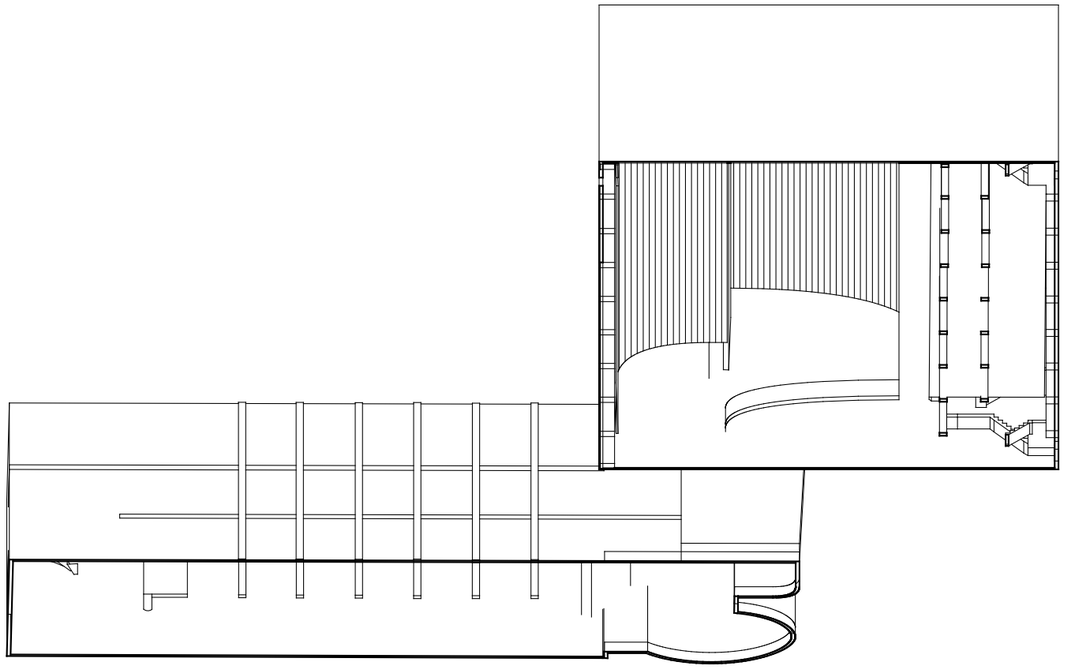
PART II | TECTONIC ASSEMBLY

Curved flat planes extend from vertical colomns to create a sort of truss to hold up the curved roof structure. These are mirrored on both sides and meet art a center point where a window seperates the edges of the curved structures, creating an apeture for light. a flat roof is placed over the structures, the colomns on the side of the shorter curved roofing enxent vertically to the hight of the higher roof, to create the illusion of a single rectanular cube shape on the exterior of the building.



TECTONIC MODEL

CURVED BEAMS



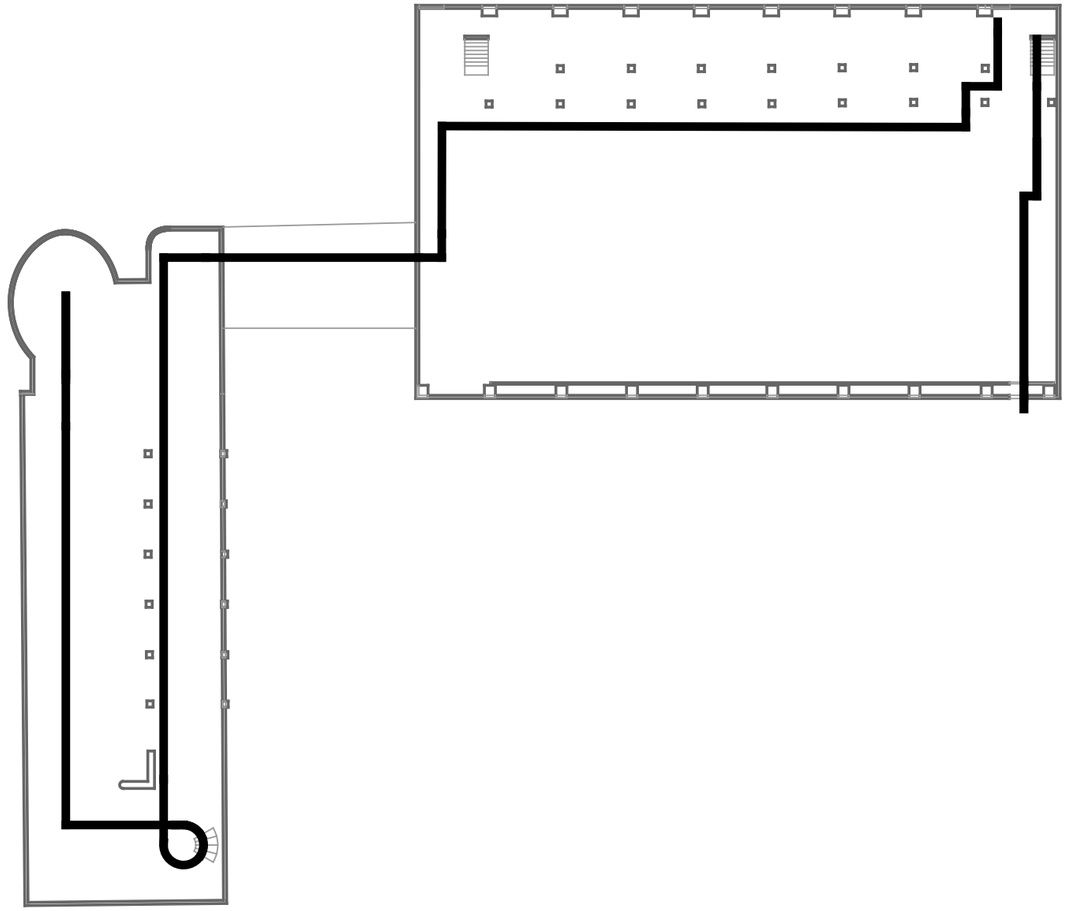
TECTONIC ASSEMBLY DRAWING 1:384

CONTOURED CURVED ROOF 1:384

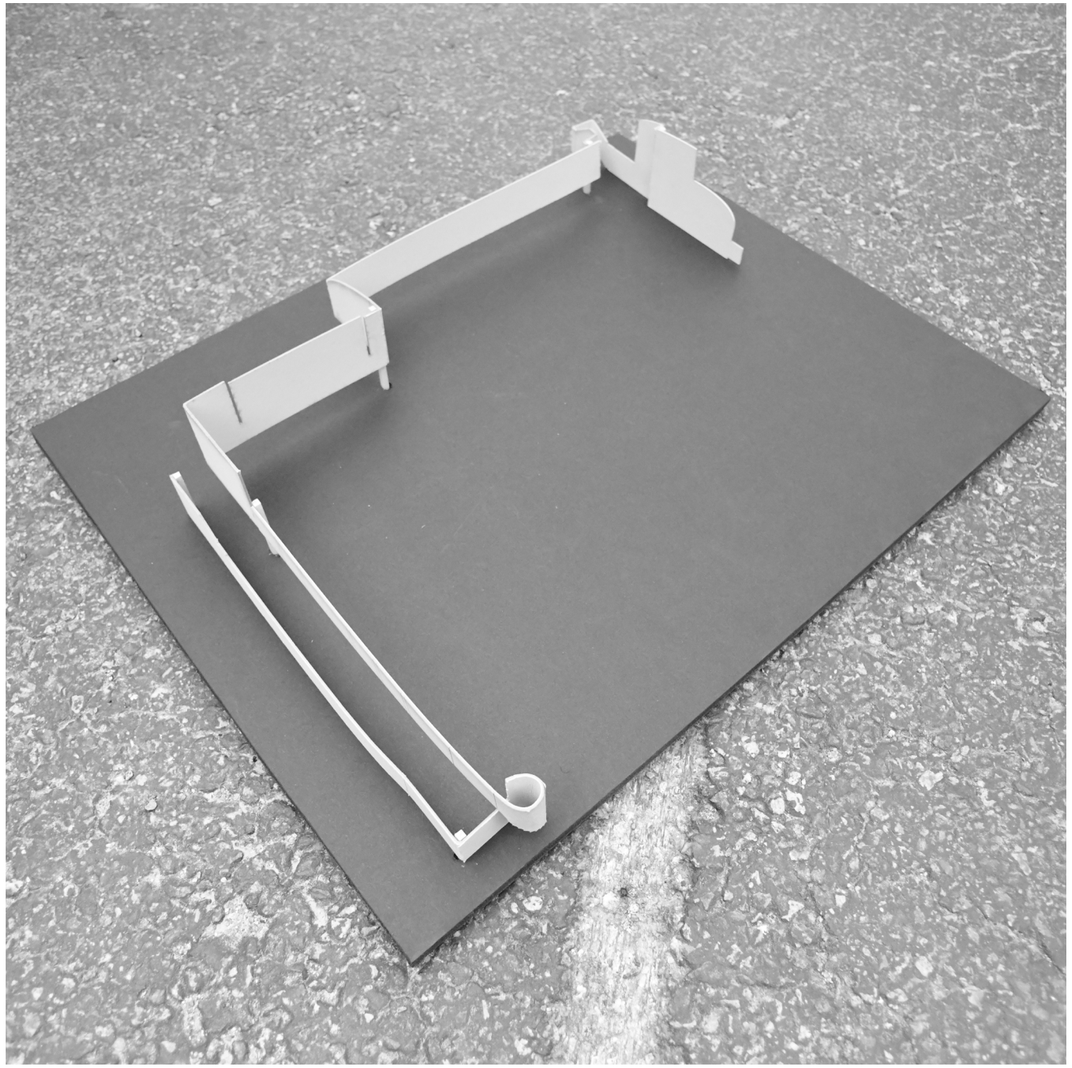
1 2 4 8

PART III | CIRCULATION AND SEQUENCE

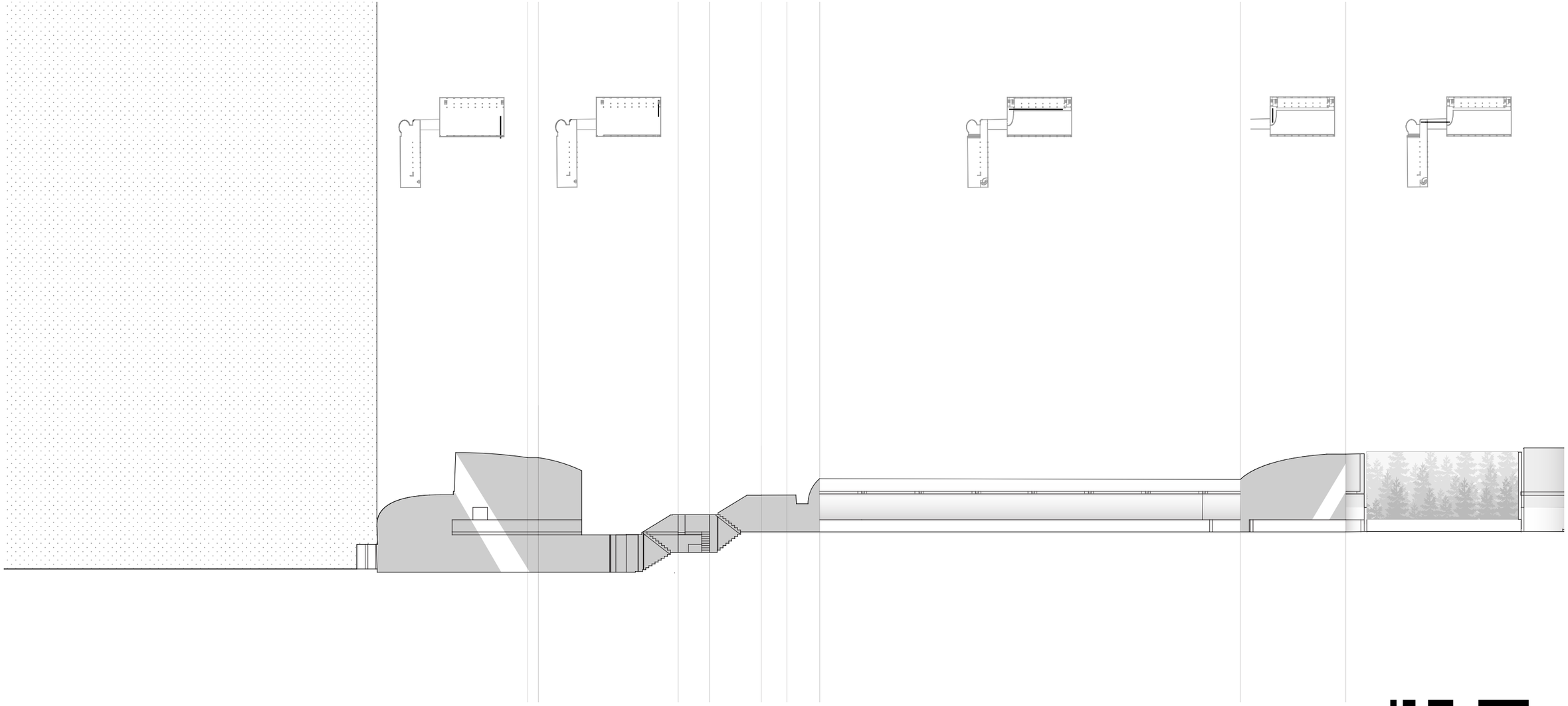
A fencing student walks into Case Delle Armi, makes a slight right turn, and continues to the stairs. The student passes through a doorway to the staircase and walks up one flight of stairs to the second level, making two left turns on the way up. They then walk through a doorway onto the balcony. They make a right turn and walk towards the end of the balcony, and make a left turn at the end of the balcony towards the doorway onto the outside (but roofed) passageway into the next building. They make a right turn and walk through the passageway and into an entrance into the next building. They then make a left turn towards the locker / storage area. they walk to their locker, grab gear and what not, and walk towards the spiral staircase at the end of the space. They then walk down the spiral staircase and into the half-hight lower level space. They take a right and walk down the space and into to the meeting room at the end of the space.



CIRCULATION KEY PLAN 1:384



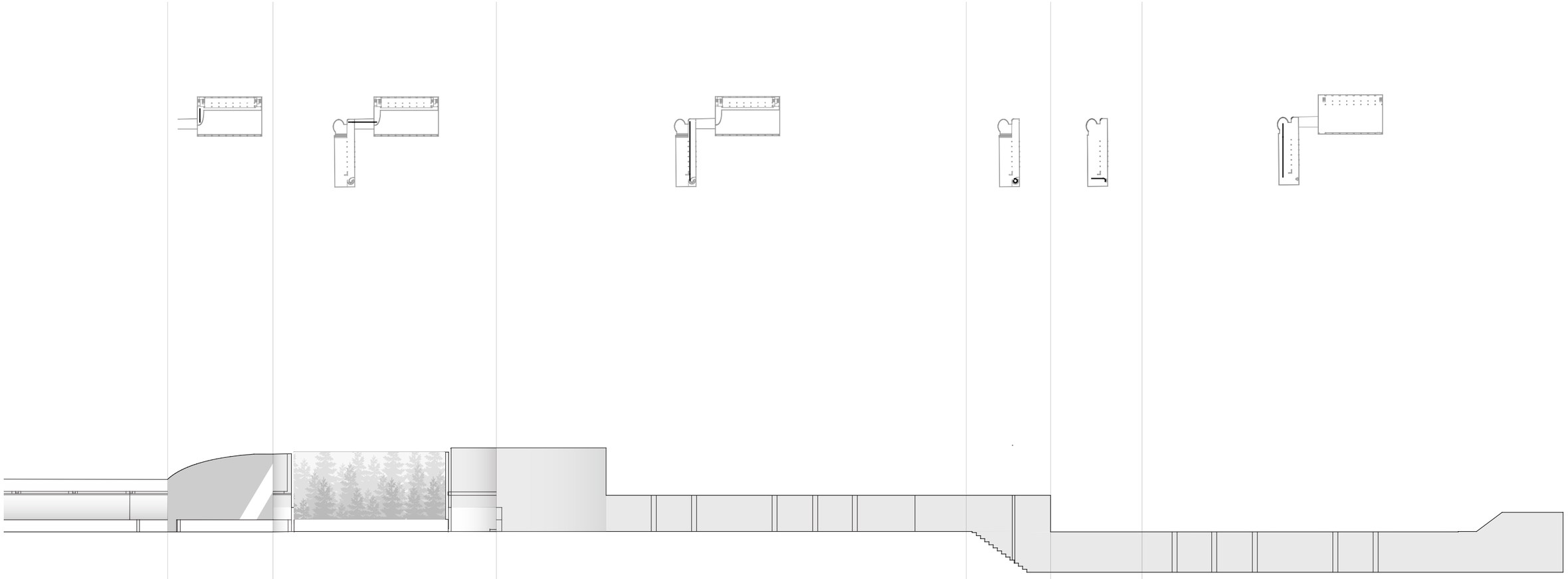
CIRCULATION MODEL



UNROLLED SECTION 1:192

UNROLLED SECTION CTD.

1 2 4 8



UNROLLED SECTION CTD.

UNROLLED SECTION CTD.

SCALE: 1 2 4 8