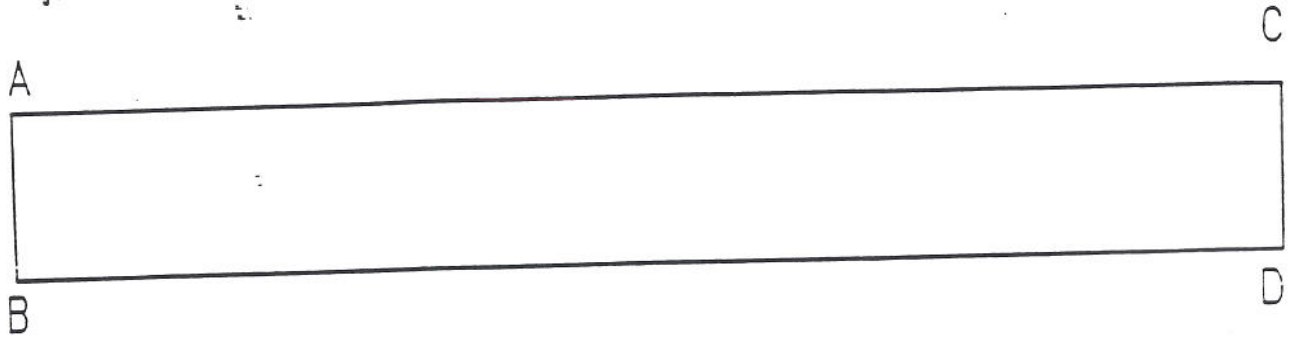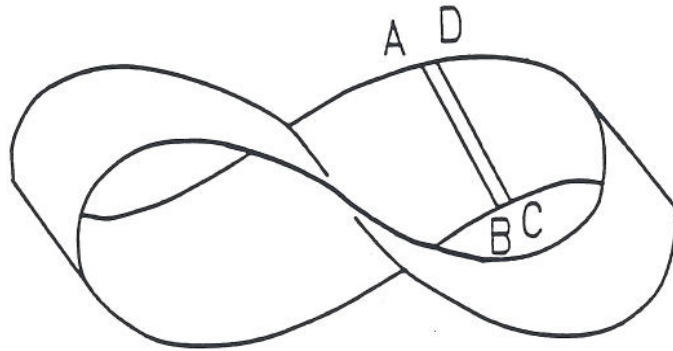## PROJECT2.1 : A MODULAR MÖBIUS SURFACE

Figure 1. Traditional realization of möbius strip

1 a. Flat band of paper for making möbius strip

1b. Assembled möbius strip

Figure 2.
Möbius strip in which
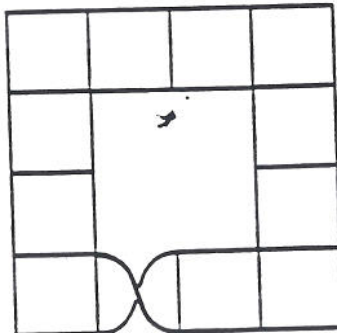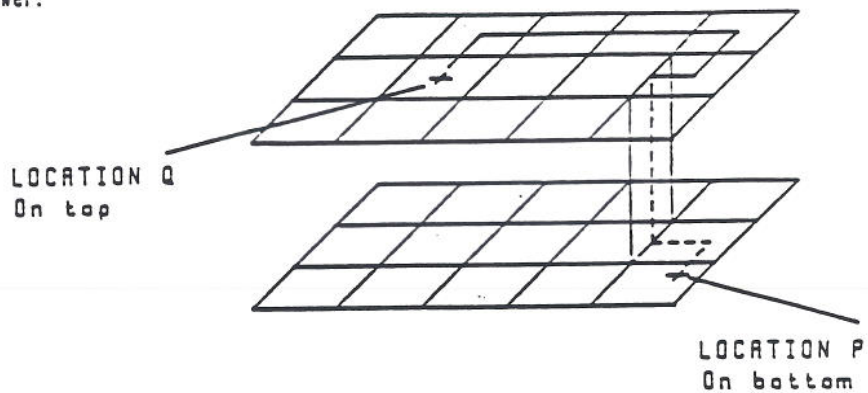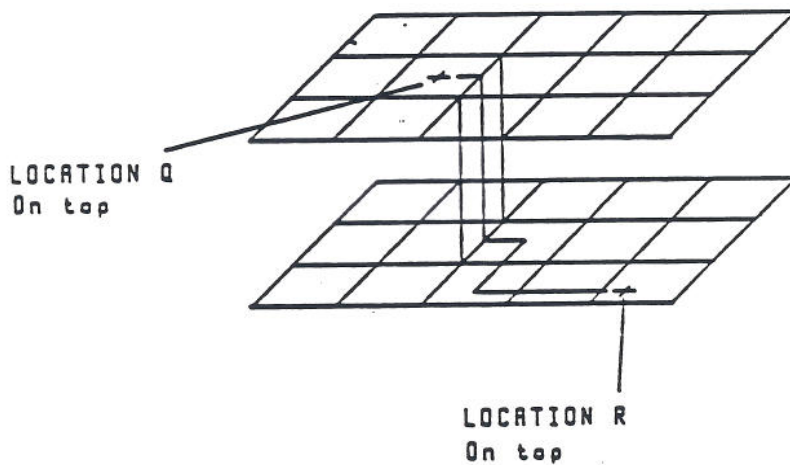twist is confined
to one tile.

Figure 4.
Creating linkage between faces of consecutive parallel layers

- - - - - - - - - - - - -
Dash lines represent distances covered
on surfaces facing away from viewer.

4a. Linking faces
     of opposing
     orientation.

LOCATION Q
On top

LOCATION P
On bottom

4b. Linking faces
     of like
     orientation

LOCATION Q
On top

LOCATION R
On top

4c. Establishing
     single-sidedness
     by linking faces
     of both opposing
     and like
     orientations

LOCATION Q
On top

LOCATION P
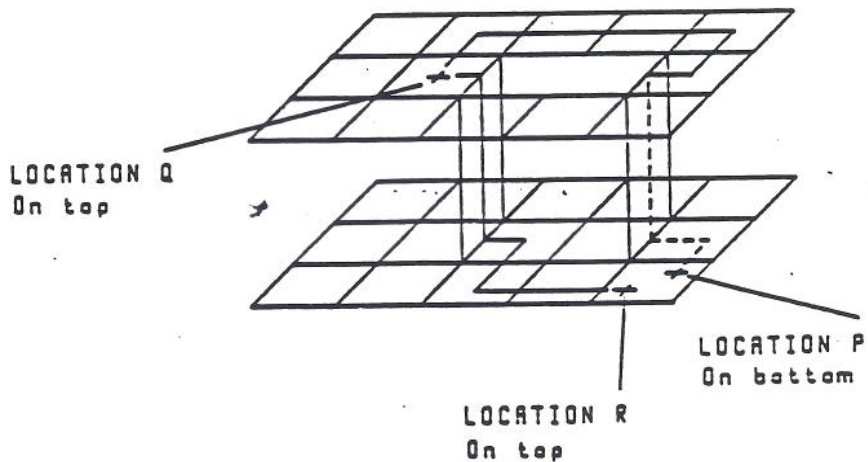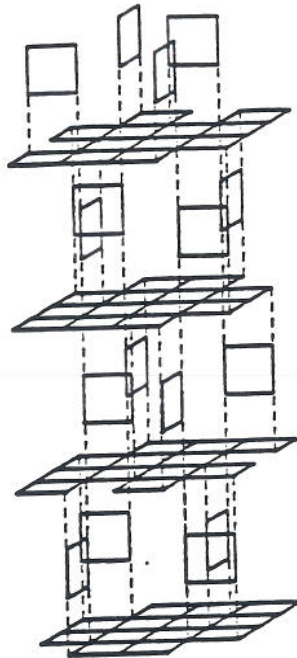On bottom

LOCATION R
On top

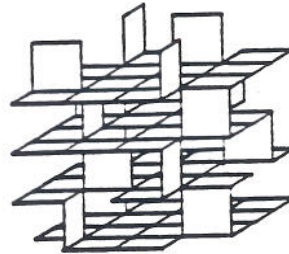Figure 5. Example of single-sided möbius module

1a. Exploded view of
a single module.
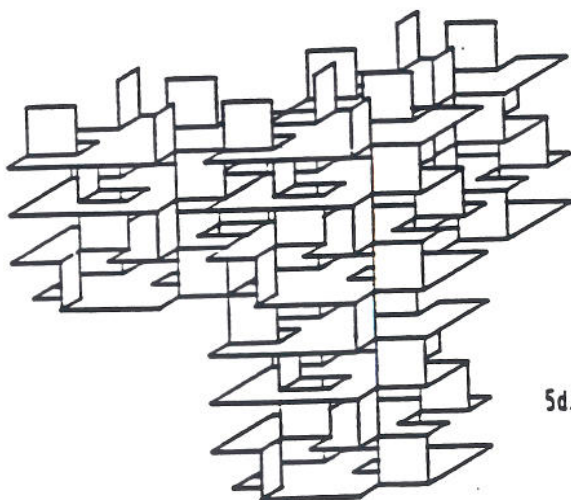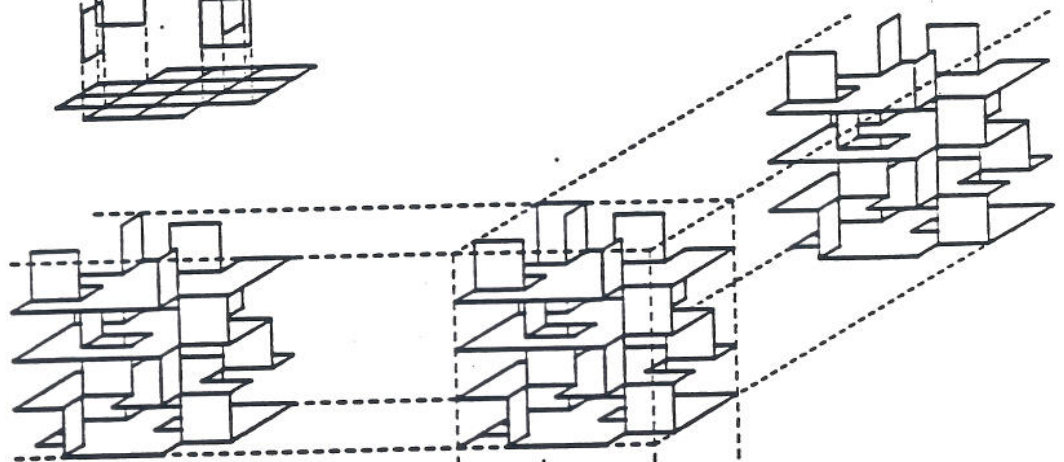
All tile edges
are shown.

5b. Isometric view of
a single module.

All visible
tile edges
are shown.

5c. Exploded view of
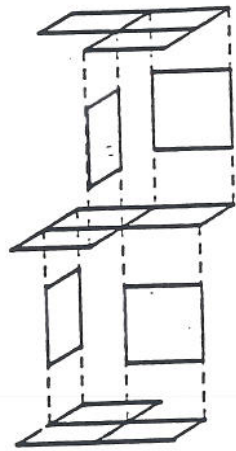4 connected
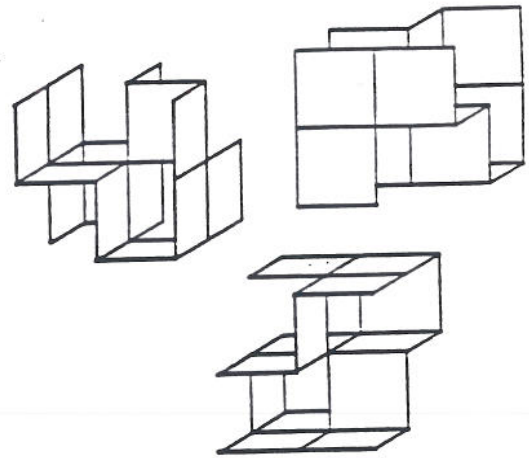modules.

Only perimetric
tile edges are
shown.

5d. Isometric view of 4 connected modules

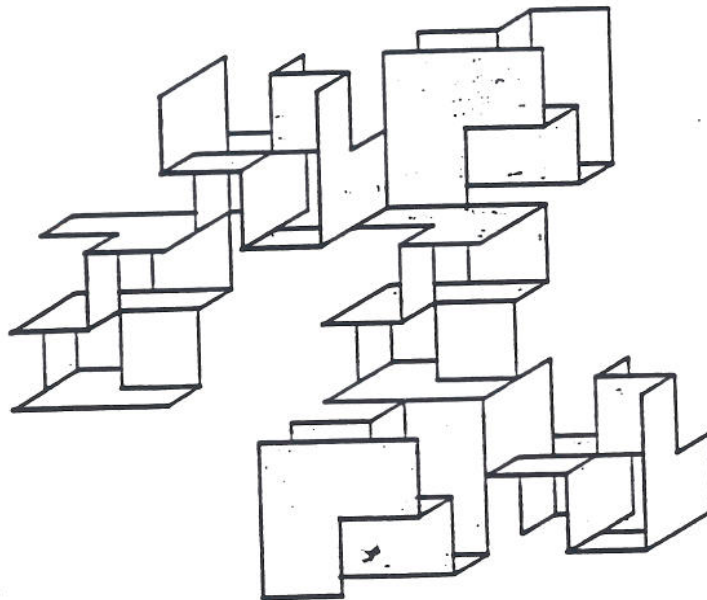Only perimetric tile edges are shown.

Figure 6. Example of single-sided möbius module

6a.   Exploded view of single module.

All tile edges are shown.

6b.   3 modules showing the only 3 allowable
orientations for this modular system.

All visible tile edges are shown.

6c.   An assortment of 6 interconnected modules.

Only perimetric tile edges are shown.