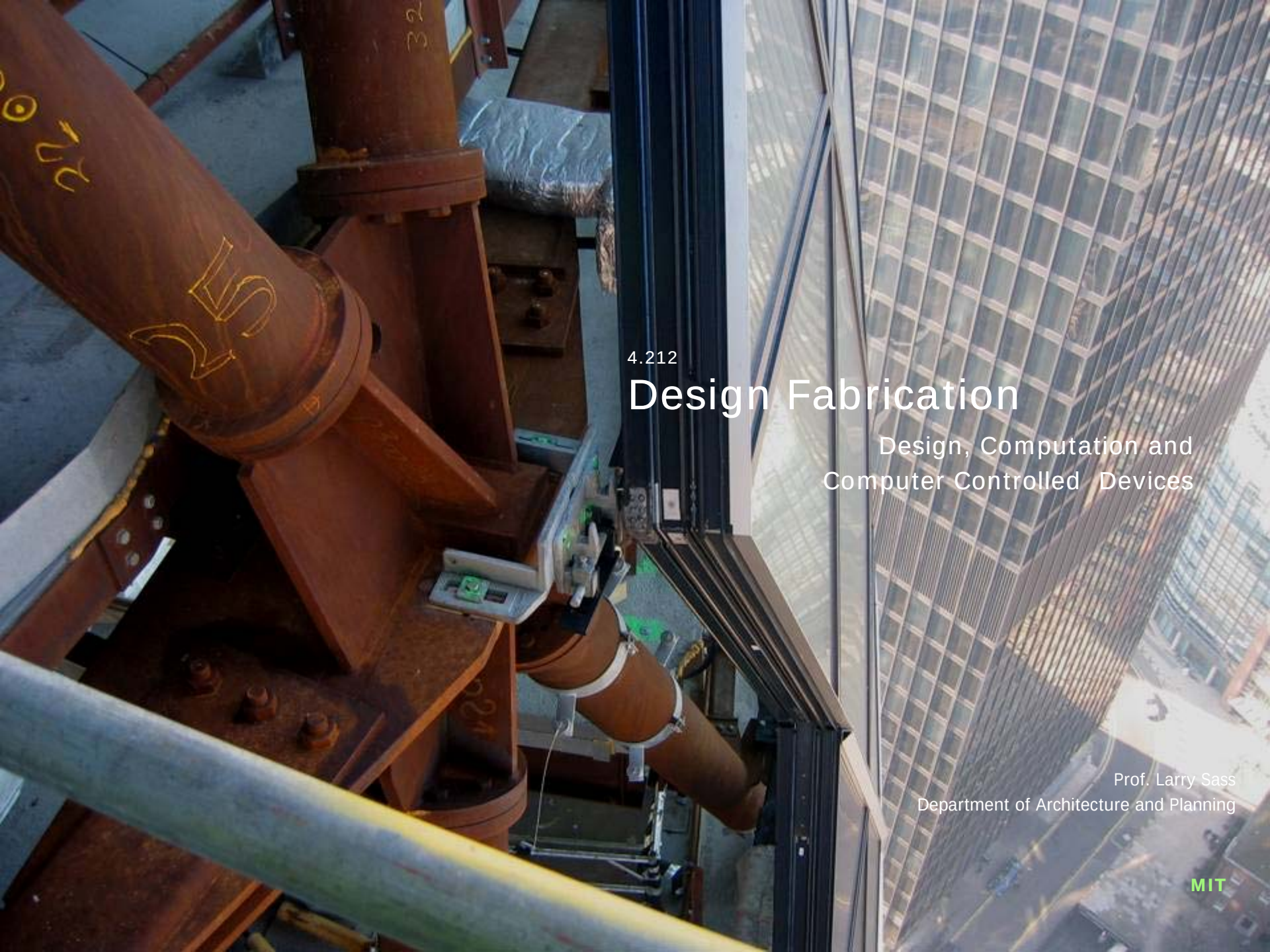


4.212

Design Fabrication

Design, Computation and Computer Controlled Devices

Prof. Larry Sass
Department of Architecture and Planning

MIT

LECTURE #8

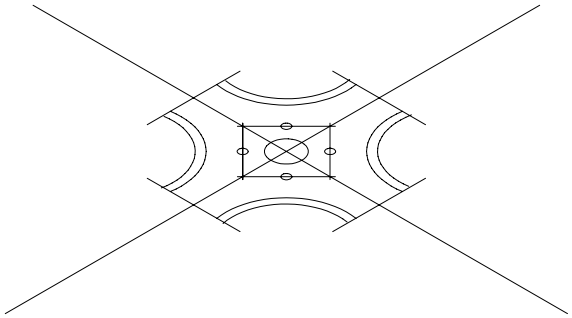
[1] Carlos Barrios – Parametric Modeling and Gaudi

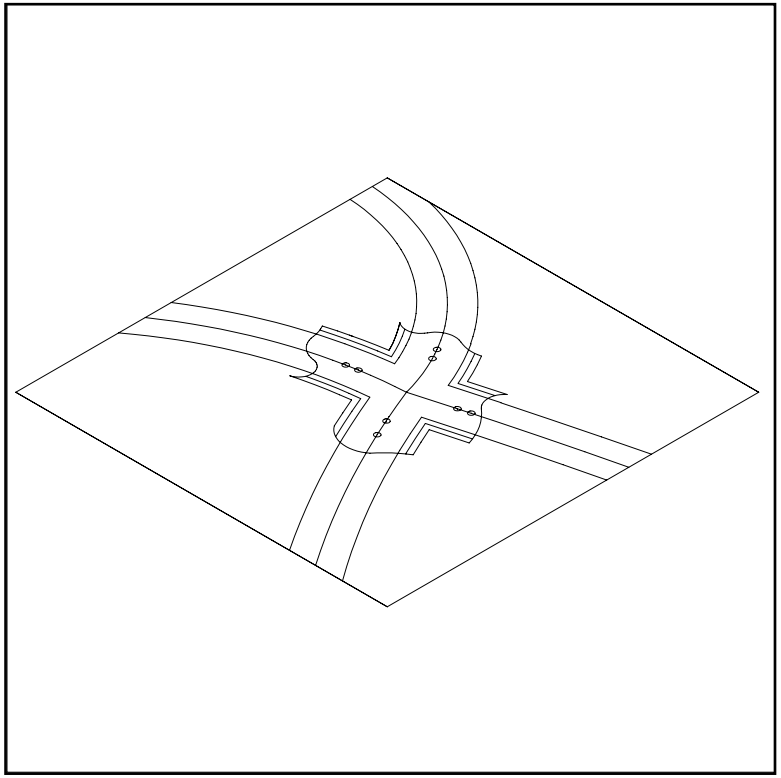
[2] Omax Water Jet Cutting

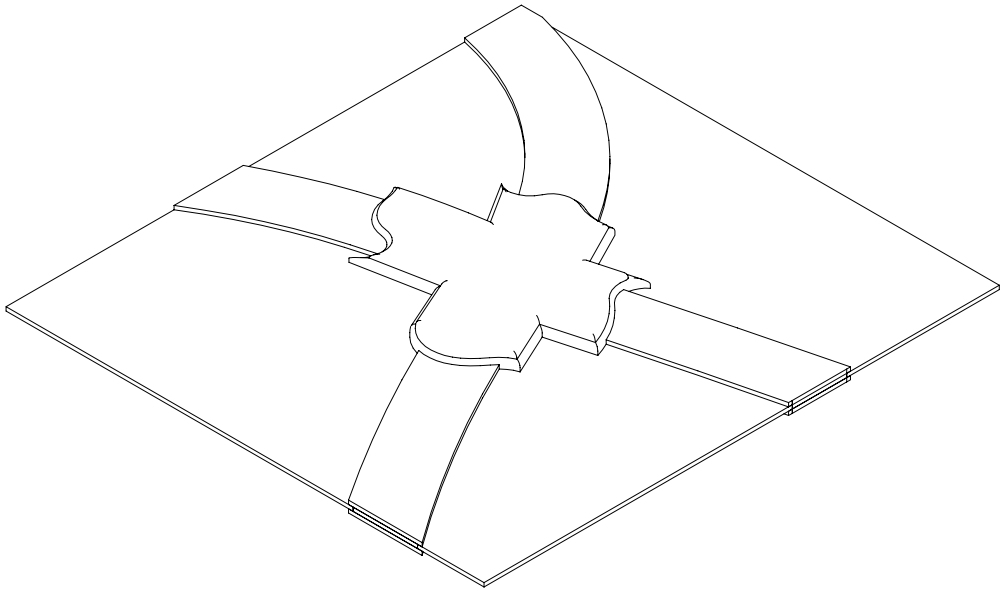
[3] Parametric Modeling #2

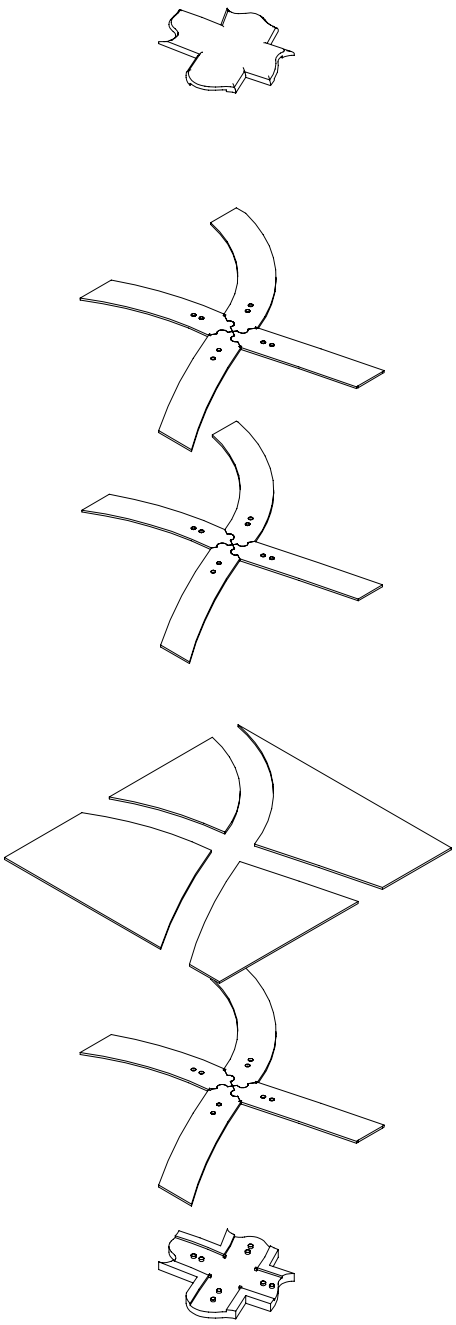
DETAIL DESIGN AND FABRICATION

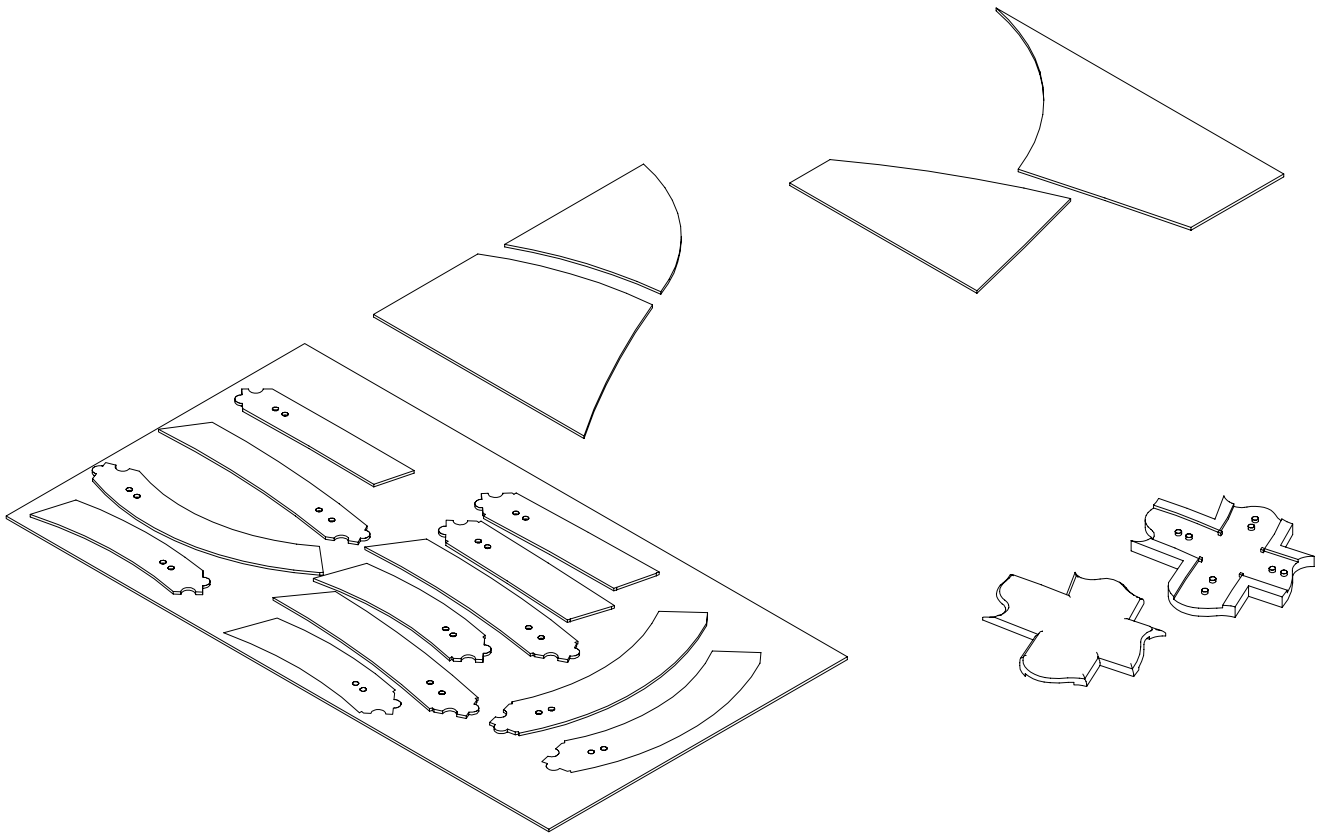
- The goal of this assignment will be to challenge the relationship of design and true NC machinery
- From stock thicknesses and custom cuts, design a structurally sound joint that is
- Show design intent not to create a working joint.
- Scale = 1’ = 6”











FABRICATION PROCESS

1) Detail Geometry

2) Model Parts

3) Model Connections

4) Separate By Fabrication
    - Milled Parts
    - Water Jet Cut Parts
    - Glass Parts
    - Hardware
5) Create Dxf

6) Create Tool Paths In Omax

7) Cut Parts And Assemble

POINT OF PURCHASE

Glass
Pearl Art Store (Cheap Picture Frames)

Metals

Bulldog Sheet Metal
77 Hurley St. Cambridge, MA 02141
(617) 661-BULL

The Metal Source
11 Forbes RoadWoburn, MA **01801**
781.932.0482

Hardware
Economy Hardware & Home Depo

TURNIN

Full turn in procedures will be announced next week as part of assignment 3c.

Cutting in Groups of 4 – A signup sheet will posted in Room 3-415 on the ZCORP OVEN

Cutting days are Wednesday, Thursday & Friday Only