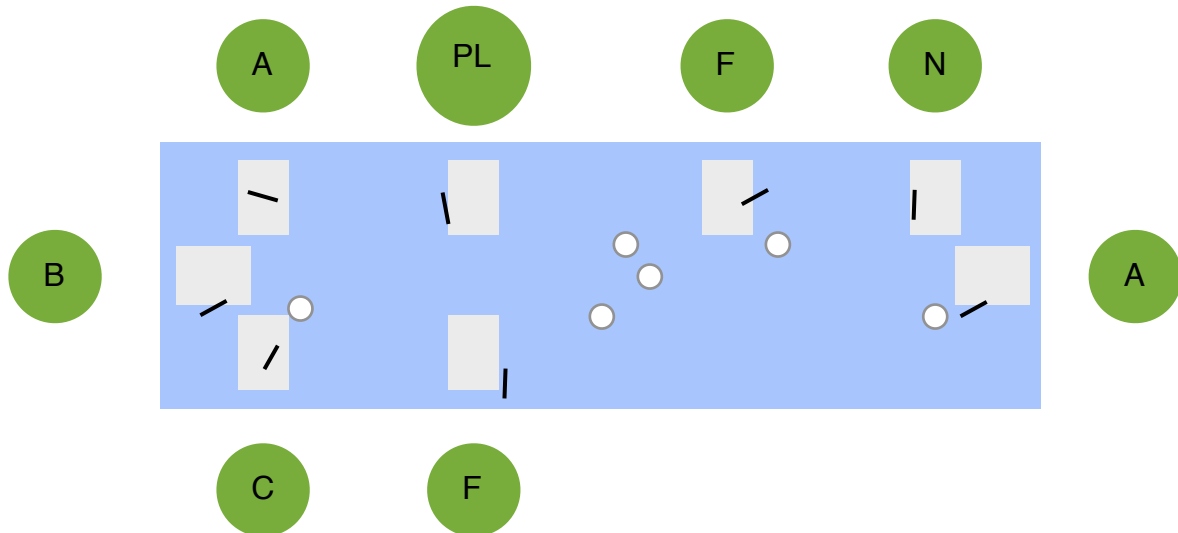
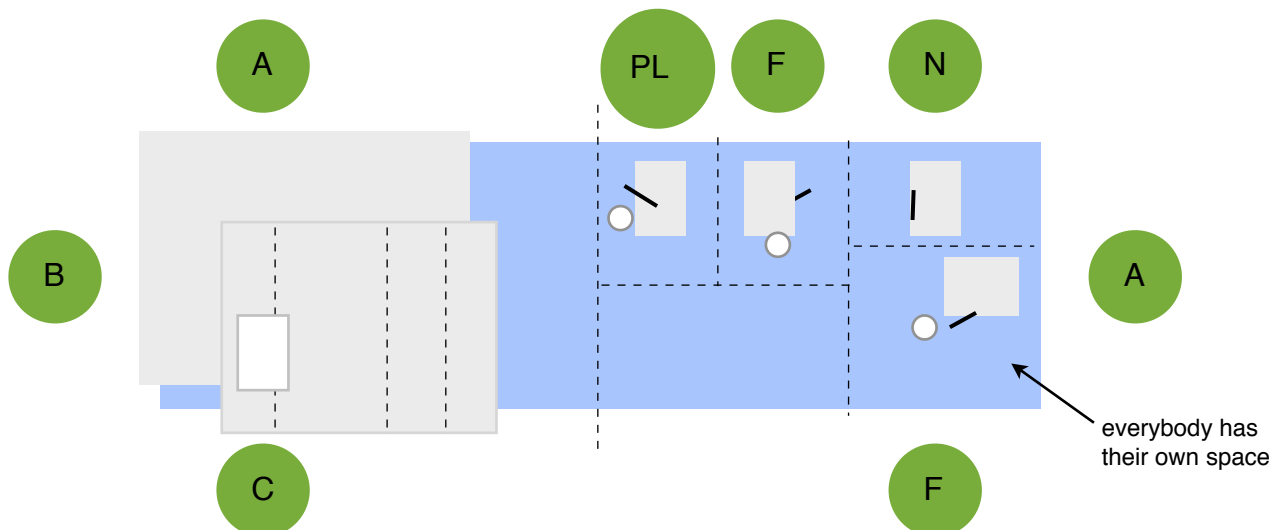


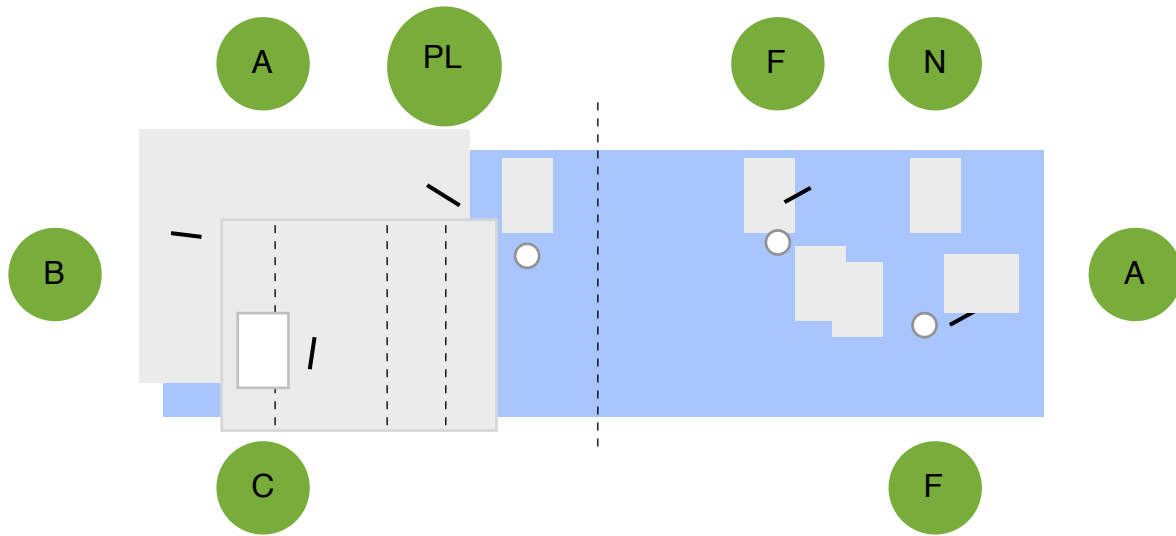
The seating order changed in the course of the meeting. The Project manager first gives a short introduction and made some general statements regarding the agenda, etc. The group was then split into two groups, with one at each end of a long, rectangular table:

Initial Seating Order:



Split Seating Order:





A. Architect; B. Fachkraft; C. Fachkraft; PL: Projectmanager; N: Notetaker; F: Fachkraft
Left Side of the table.

Multiple foldable map of the whole Construction Site. Person A always sees the plan upside down.

Items on the table:

Pens (+caps); bottle of water and glasses for water; glasses with coffee; folders; notepads; huge foldable plans of architecture - three layers; Tracing Paper;

everybody has their own notepad and a couple of documents laying on the table.

Architecture Specific:

different plans showing different aspects of the same space in question. -> sometimes lack of re-recognizability. -> would be nice to overlap & align maps automatically. to be able to pinpoint a specific location and have somebody else see the same location on his map.

General | Outer Conditions

Meeting Start: 10:15 am - i watched until the Lunch break @ 1:00 pm

Keine Bewirtung - jeder nimmt sich was er braucht vom Tisch.

Miscellaneous Observations:

- People like to rest their elbows on the edge of the table. This needs to be considered when building the table.
- People like to point out certain things with a pen as a pointing device. the pencil is also used as a ruler, or as a placeholder for an architectural beam. (might be a placeholder for a scrollbar in usability engineering.)
- People like to scribble wherever / whenever they like. They scribble on their own notepads, of course; they scribble on the master plan; on smaller documents, regardless whom they belong. Important documents will be copied and passed on to the relevant people after the meeting.
- Attention jumps chaotically from person to person
- Topics jump from content to planning (make a quick calendar entry...)

HUGE NEED TO VISUALIZE CONTENT!

- especially constructions / specific measurements

- search function for all kinds of documents as seen in spotlight

Miscellaneous Notes:

mark drinks so people don't mistake them for somebody else's.
quick search function integrated.

almost no jokes were made during the first hour of the meeting. but when somebody made a funny remark and people had a laugh, productivity immediately took off from my point of view. this is probably due to the fact that once people enjoy their work, they get better at it.

most visualization is done by hand gestures. these can't ever be replaced by multi touch technology!

Decision making usually requires a moderator.

better on multi touch table:

possibility to have all visualizations available for everybody after the meeting

ability to export selected ("cropped") areas quickly to another participant of the meeting. Exporting the whole document might be unnecessary (confidential information, file size)

possibility to integrate a quick search function, similar to spotlight in a mac. This could also be helpful for quickly launching applications, such as a calculator.

architects tend to have several layers of planning papers stacked on the table. this needs to be replicated on the multi touch table by integrating layers as in photoshop.

-> tracing paper analogy.

talking about money: sometimes unclear statements are made and then written down and included in somewhat definitive calculations without any assurance the cost will be anything like the estimate. it might be helpful to have a feature on the multi touch table that enables cost planning and estimates with signatures. Contra: this might be too much responsibility for spontaneous estimates.

copying: before mt, you had to stand up, go to the copying machine and make a duplicate. On a mt table, a scanner could be integrated seamlessly. it should be able to copy any part of the table screen (with notes and scribbles) and "take a picture" of it. This picture could then be quickly emailed or ushed onto any participants mobile device.

scanning: ability to scan any document on the fly. on the table. ocs -> pdf.

pens: have colorcoded pens for each participant. pens, or styluses, should have an active and an inactive end to them. people like to point out things with the rear end of their pens.

cons of a multi touch table:

no privacy as in paper use.

Mimic is mostly pointed at one person, while the others are looking away or not feeling addressed by the mimic.

Media in use

Everybody is equipped with pencil and notebook.

And has his own set of documents he brought to the meeting.

kada wittfeld architektur. projekt meeting am 10.juli 2008

He can flip through these documents without disturbing others.