SHEET 1 A - MAP
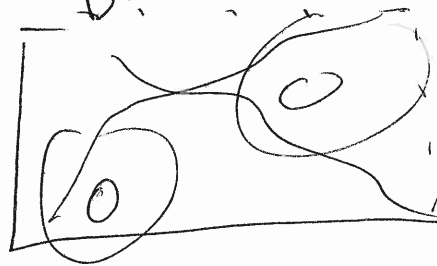
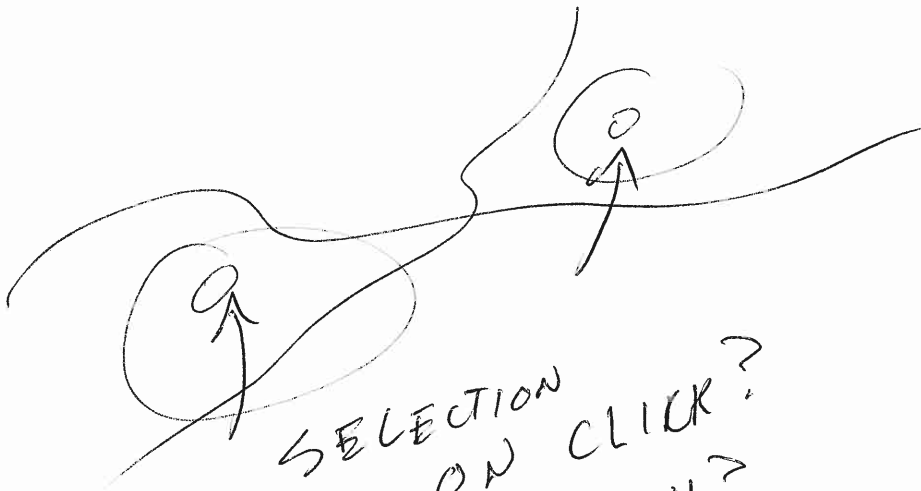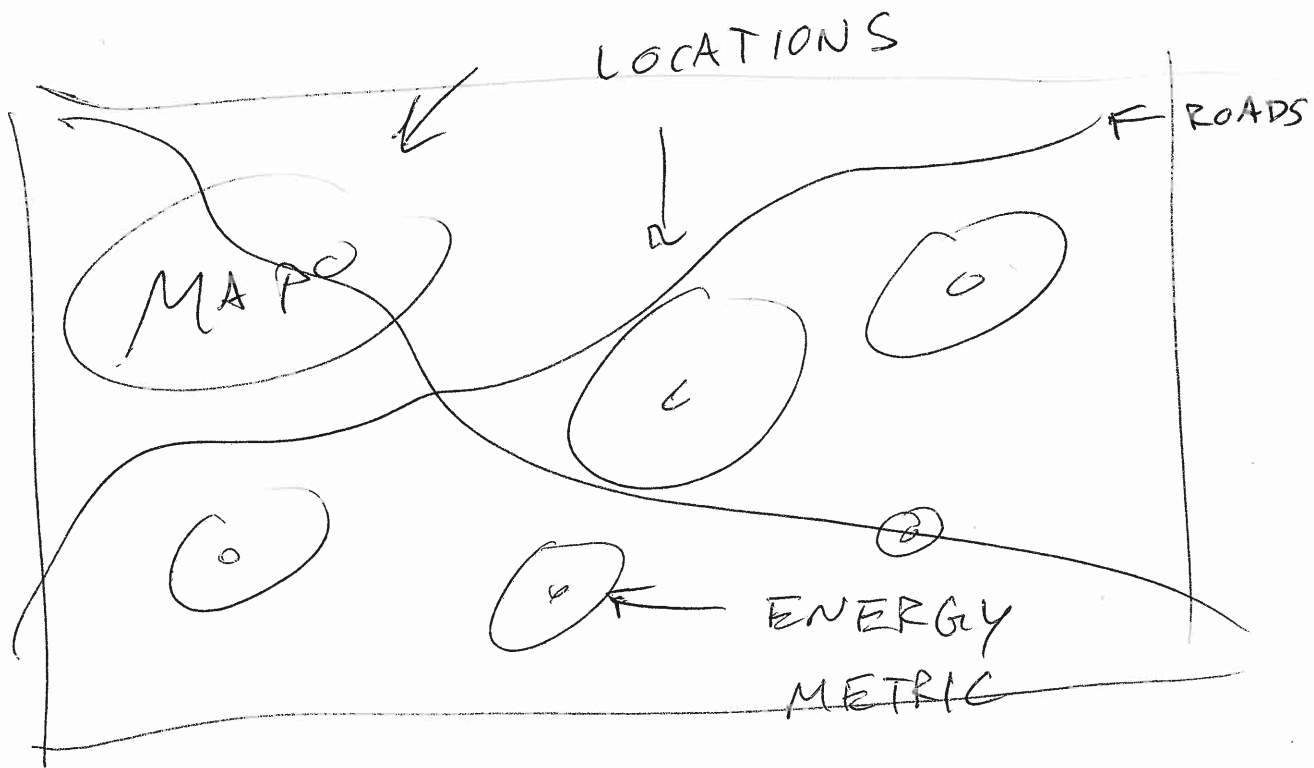LOCATIONS

ROADS

MAP

ENERGY
METRIC

SELECTION
ON CLICK?
BRUSH?

USE
GOOGLE MAP
LIBRARY?
LOCATIONS?
DOTS?
CIRCLES?

BUILDING TYPES

LIBRARY, UNION,

ENG. BLDGS.
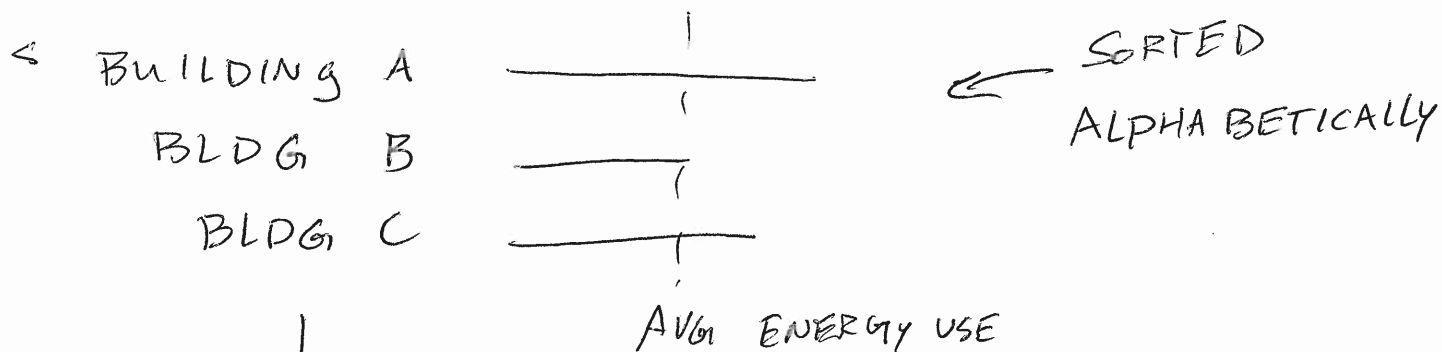
SOUTH CAMPUS

LABS, DORMS?

SHEET 1B - AREA CHART

ENERGY USE

← BUILDING 2

← BUILDING 1

TIME (WEEKS?
MONTHS?)

EU

SINGLE
BUILDING

T

LINK TO

MAP

AREA OR LINE?

ANNIMATIONS?

RATE FILTER?

EU

BRUSH?

T
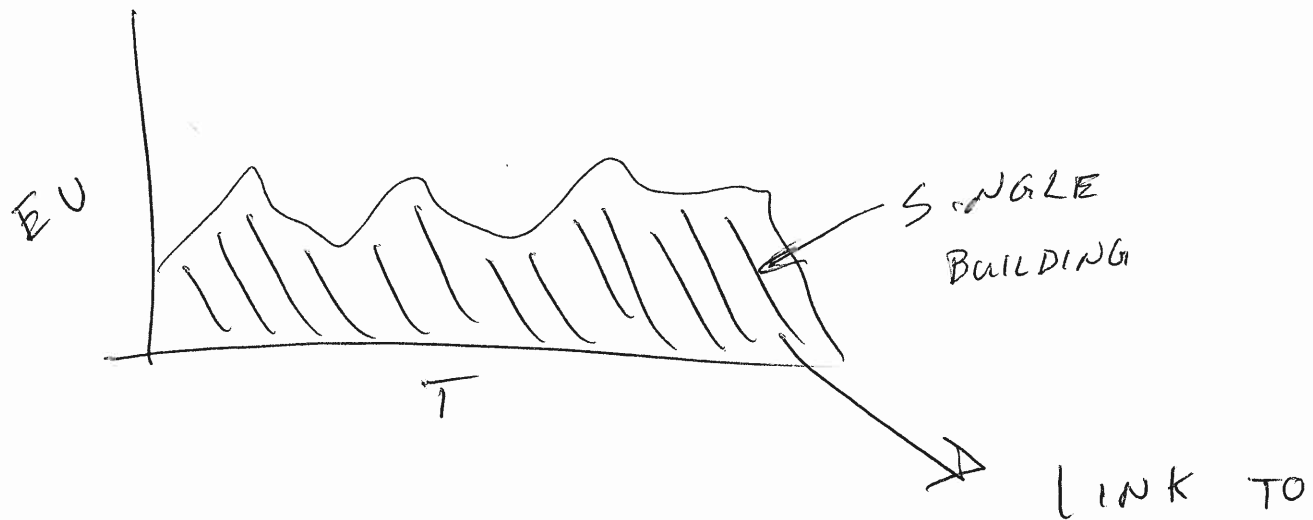
CALENDAR

SHEET 1-C SORTABLE BAR CHART

< BUILDING A ——|——
    BLDG B ——|
    BLDG C ——|—

← SORTED
ALPHABETICALLY

AVG ENERGY USE

↓

SORTED
BY MAX EU →

BLDG A ——|
BLDG C ——|
BLDG B ——|

BY MIN → B ——|
            C ——
            A ——

FEATURES

ALLOWS TO FIND BLDG BY NAME

RANKS FROM MAX TO MIN OR MIN TO MAX

LINK
MAP

BLDG C   BAR

AREA

SHEET 1 D— TOOLTIP

MAP

TOOL TIP

BLDG

ON CLICK? ✓
~~ON HOVER?~~

INFO

OR

MAP

TOOL TIP

BLDG

ON CLICK

AREA CHART

OR

COMBO?

BAR?
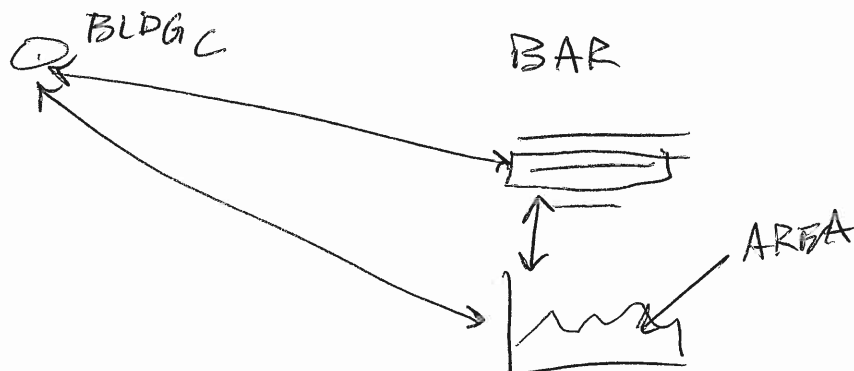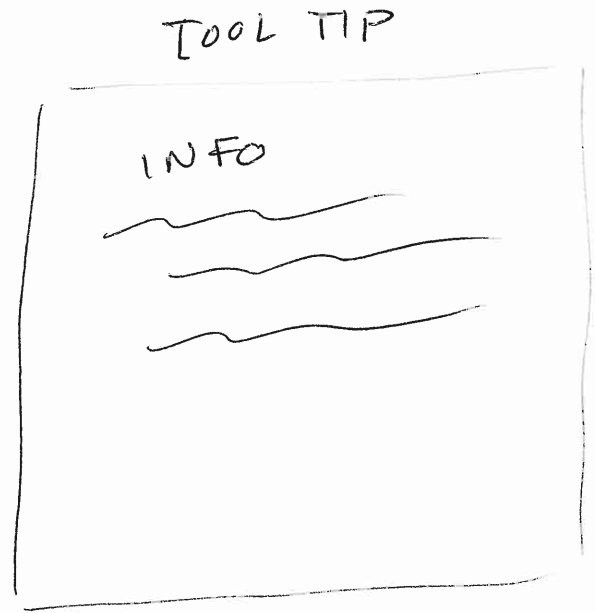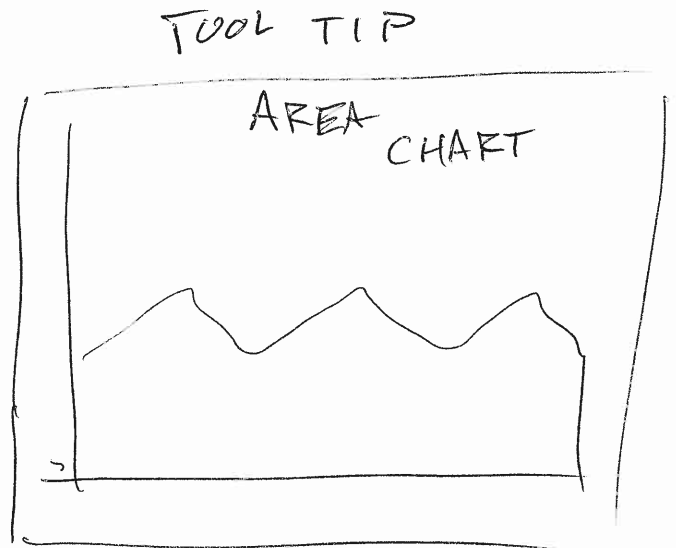
LAYOUT
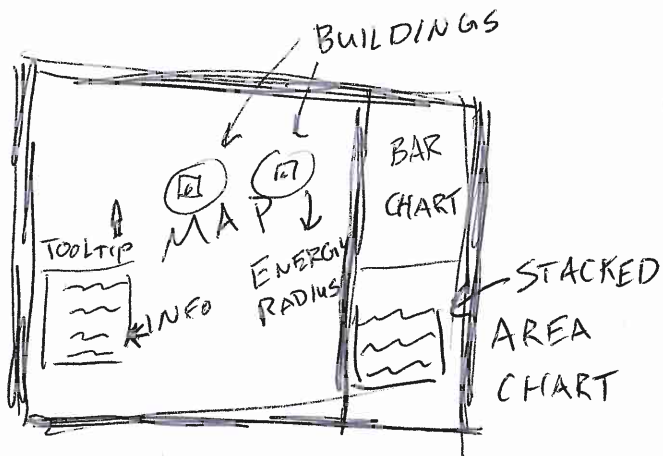
SHEET 2
CAMPUS ▬▬▬
ENERGY

OPERATIONS

SLIDE BAR   0   EUI
                  400
             ◯━━◯

SORTING ON
        CLICK
        OF BUILDING

FOCUS ▬ EASY NAVIGATON

ZOOM
IN
ON
MAP

FOCUS

SINGLE BUILDINGS

AND

MULTIPLE BUILDINGS/WHOLE
                CAMPUS

POSITIVE

INTERACTIVE
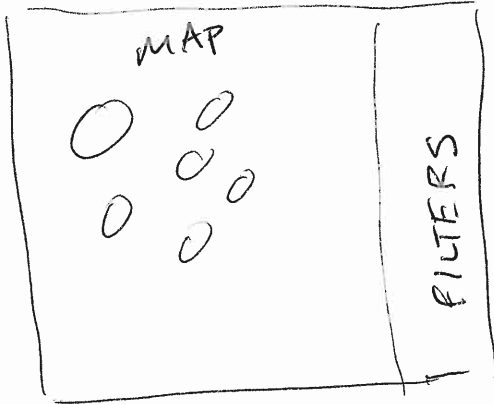LINKED   DISPLAYS
SORTABLE
CAN FIND BY MAP OR
              BAR CHART

NEGATIVE

LACKING FILTER OPTIONS
         CALENDAR, ETC.
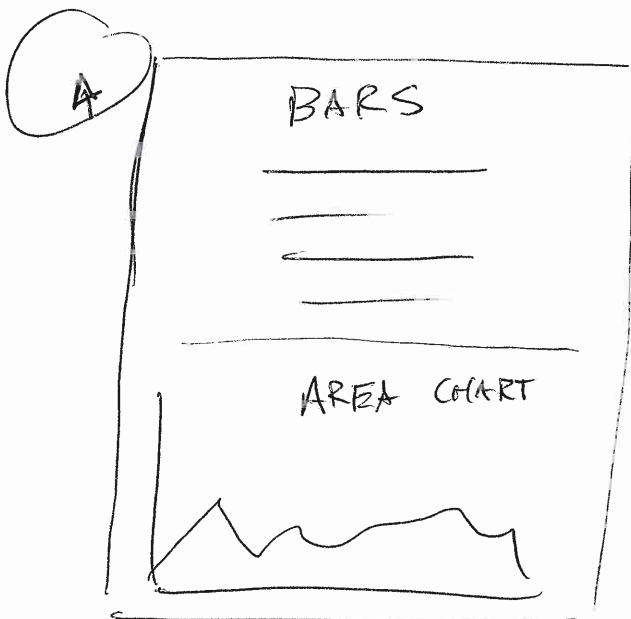
SHEET 3

LAYOUT

MAP

FILTERS

OPERATONS

FILTERS

CALENDAR

Focus / ZOOM / TOOLTIP

4

BARS

AREA CHART

POSITIVE

EASY FILTERING

NEGATIVE

TOO MUCH TOOLTIP

DIFFICULT TO IMPLEMENT
WELL

REALIZATION:

BAR CHART CAN BE
USED FOR FILTERING

LAYOUT

MAP
BAR CHART
FILTERS

FOCUS/ZOOM ON CLICK
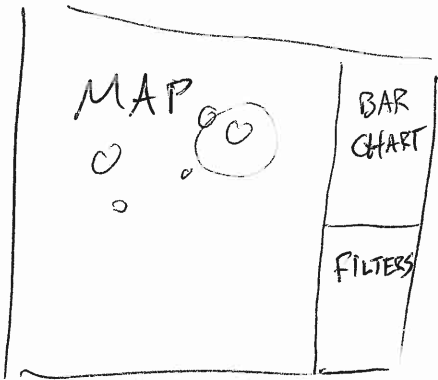
AREA CHART

OPERATIONS

CLICK BLDG OR BAR
↳ LINKED BAR CHART

USE FILTERS FOR:
TIME (CALENDAR)
TYPE OF BLDG

POSITIVES:

EASIER TO IMPLEMENT THAN SHEET 3

BAR CHART IS USED FOR DUAL PURPOSES

NEGATIVES:

AREA CHART WILL BE DIFFICULT TO IMPLEMENT MULTIPLE BLDGS

LACKING BLDG INFO

LAYOUT

MAP

```
+-------+-------------+-------+
| AREA  |   BLDGS     | BAR   |
| CHART |   (O)   (O) | CHART |
|       |   (O)       |       |
|       |    o    (O) |       |
|-------|             |-------|
| EVI   |  o   (O)    |       |
|EXPLANATION|         | FILTERS|
+-------+-------------+-------+
```
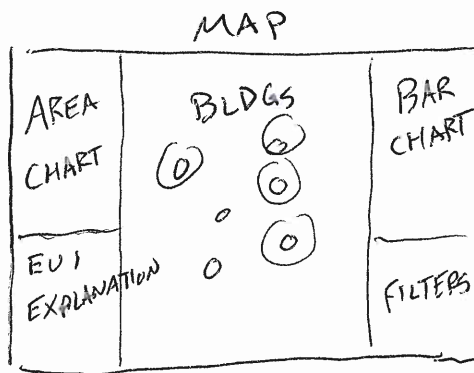
OPERATIONS

SELECTING/BRUSHING BLDGS,
CLICKING ON BARS,
CLICKING FILTERS
CLICKING ON AREA CHART

3 - WAY LINK

```
        AREA
         ↕
MAP  ←——→  BAR
```

USE FILTERS FOR TYPE/TIME

FOCUS (TOOLTIP)

(O) ON CLICK

"SPOTLIGHT"

```
+----------------+
|  BLDG          |
|  INFO          |
|                |
| ~~~~~~~~~~~    |
| ~~~~~~~~~~~    |
| ~~~~~~~~~~~    |
+----------------+
```
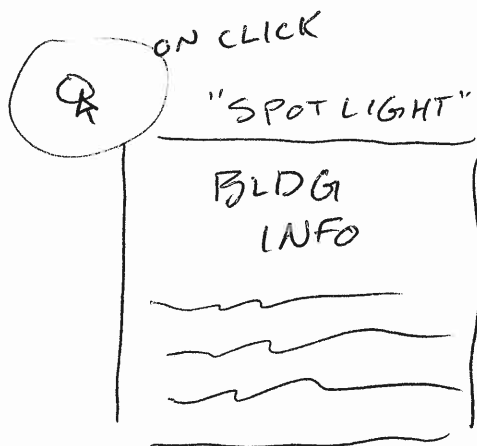
POSITIVE

- MAXIMUM UTILITY OF BOTH BAR AND AREA CHART
- SPACE TO PROVIDE GENERAL INFO

NEGATIVE

- MAP SPACE REDUCED (NAVIGATION WILL HELP WITH THIS)
- SOME FILTER USAGE MIGHT NOT BE INTUITIVE (MAYBE SWITCH FILTERS WITH AREA CHART)