Sketch model #4

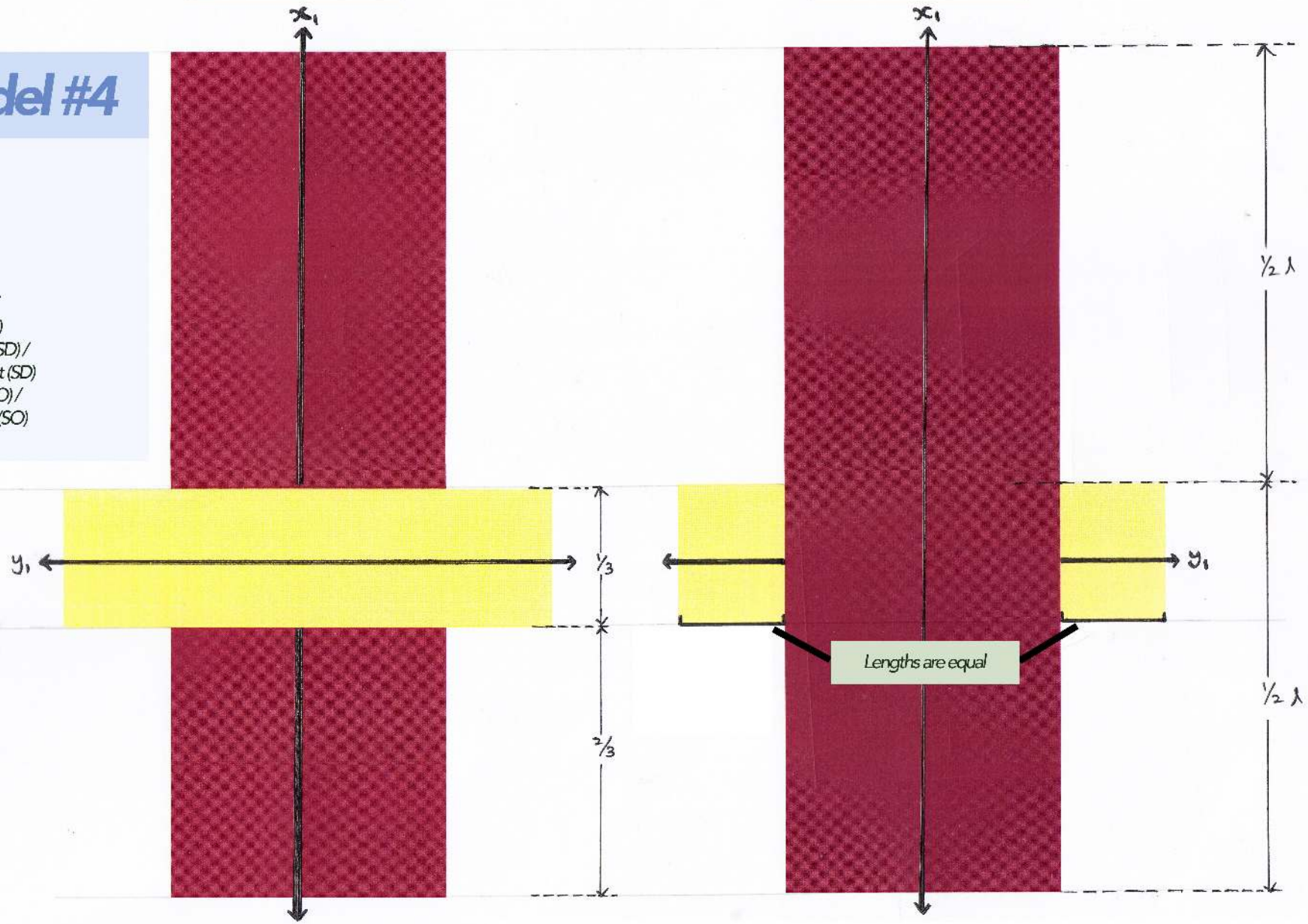
Legend:

- Dominant (D)
- Subdominant (SD)
- Subordinate (SO)

X1: Principle axis of Dominant (D) /
Y1: Secondary axis of Dominant (D)
X2: Principle axis of Subdominant (SD) /
Y2: Secondary axis of Subdominant (SD)
X3: Principle axis of Subordinate (SO) /
Y3: Secondary axis of Subordinate (SO)

Top view

Bottom view



Consideration #1

SO cannot be seen from top and bottom, going against my objective of being able to identify the D, SD and SO from all views. This issue could be solved by piercing the SO through, but this could possibly pose some issues of competing with the SD. Competition with the D is not an issue as the SO is very thin.

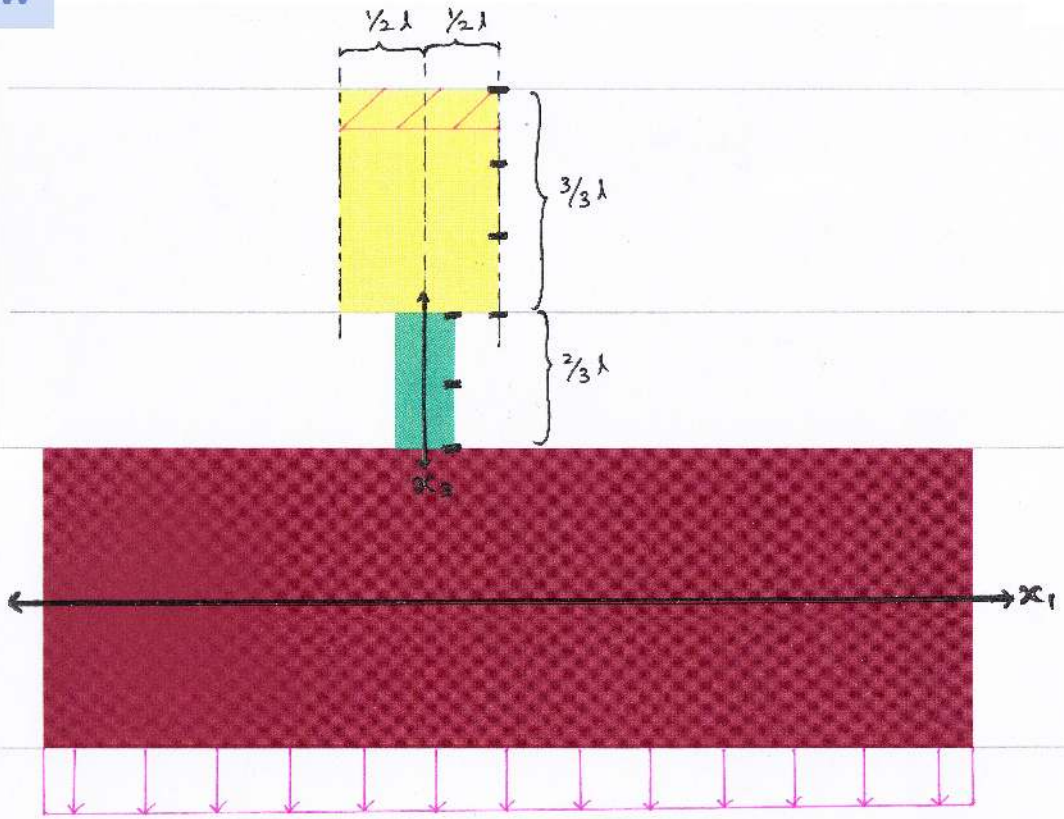
Sketch model #4

Legend:

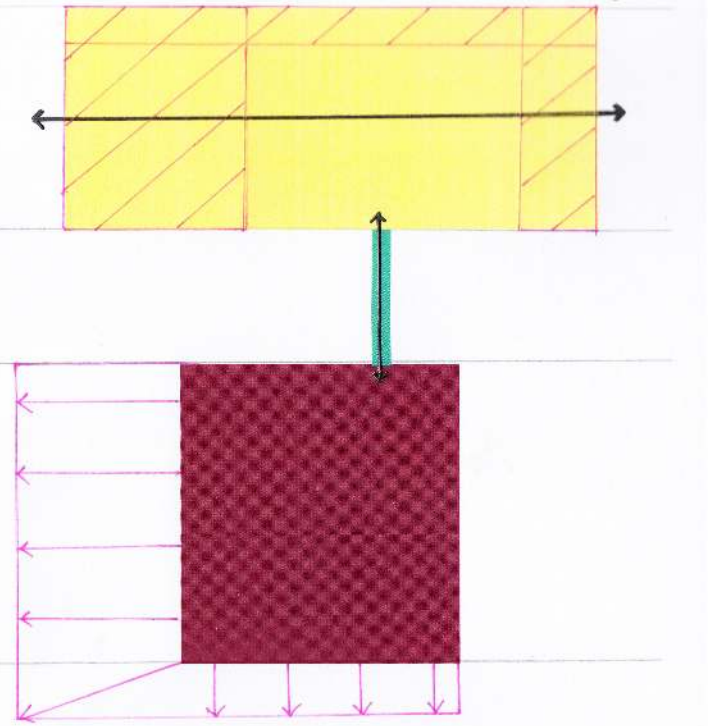
- Dominant (D)
- Subdominant (SD)
- Subordinate (SO)

In pink: Considerations
X1: Principle axis of Dominant (D) / Y1: Secondary axis of Dominant (D)
X2: Principle axis of Subdominant (SD) / Y2: Secondary axis of Subdominant (SD)
X3: Principle axis of Subordinate (SO) / Y3: Secondary axis of Subordinate (SO)

Front view



Side view



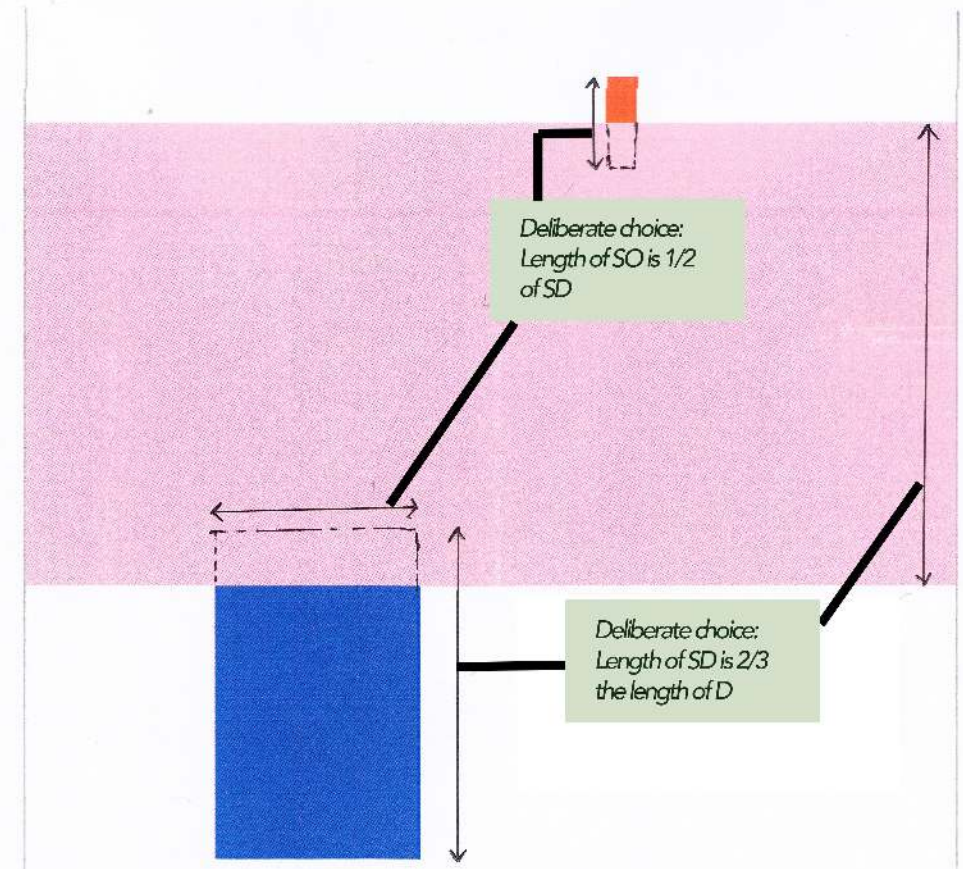
Consideration #2
Be more deliberate about lengths and widths of D, SD, SO in relation to one another.

Consideration #3
Confusion between D and SD - increase D and reduce SD, making sure the principle axises stay the same

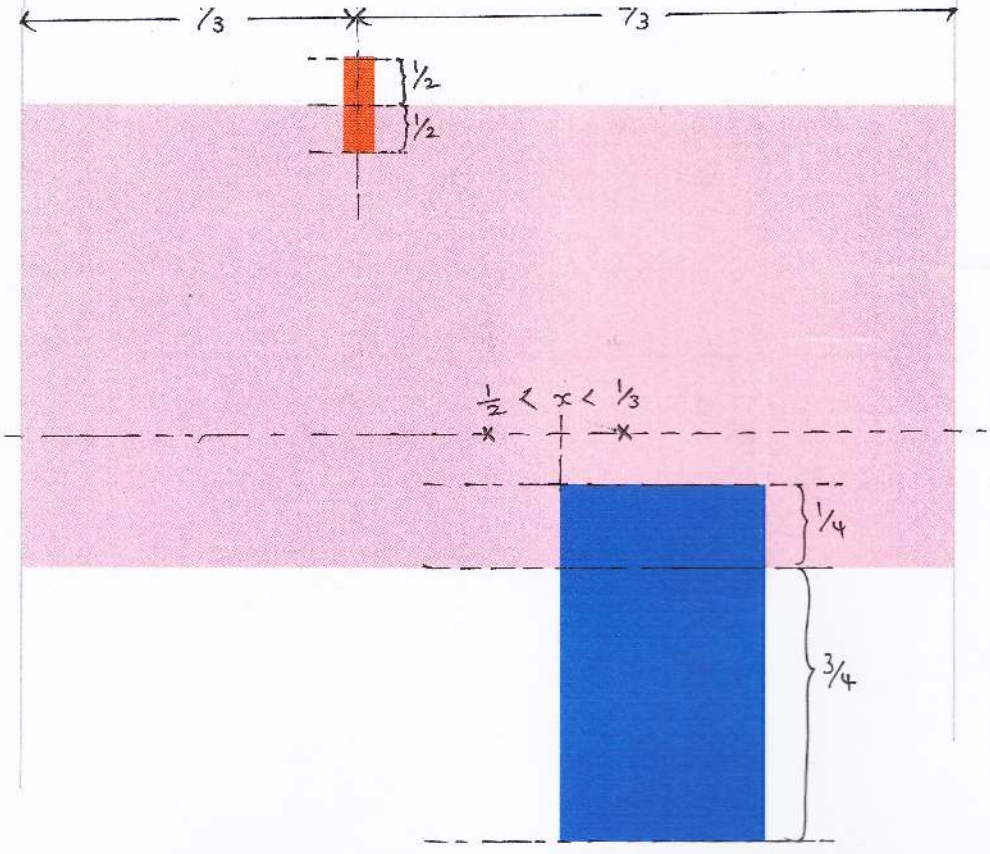
Legend:

- Dominant (D)
- Subdominant (SD)
- Subordinate (SO)

Sketch Model #2 Version 2



Bottom view



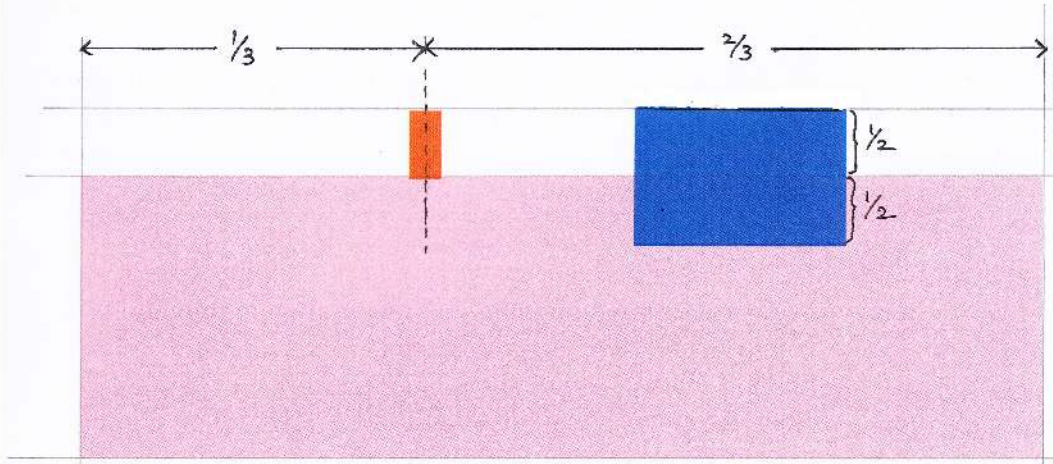
Top view

Legend:

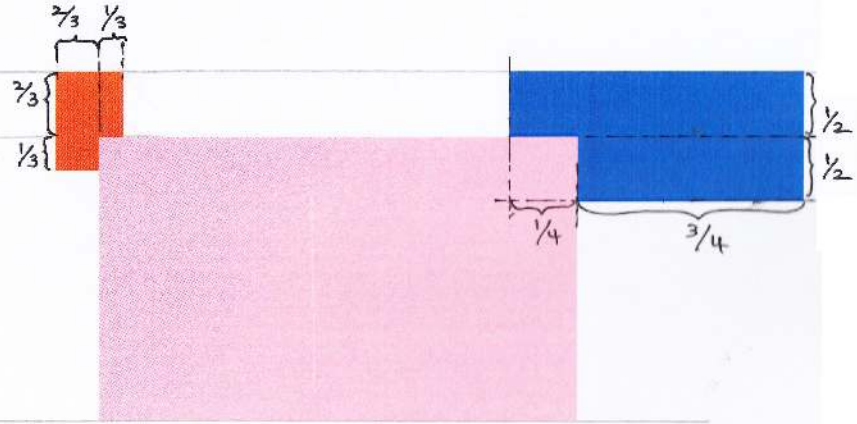
- Dominant (D)
- Subdominant (SD)
- Subordinate (SO)

Sketch Model #2 Version 2

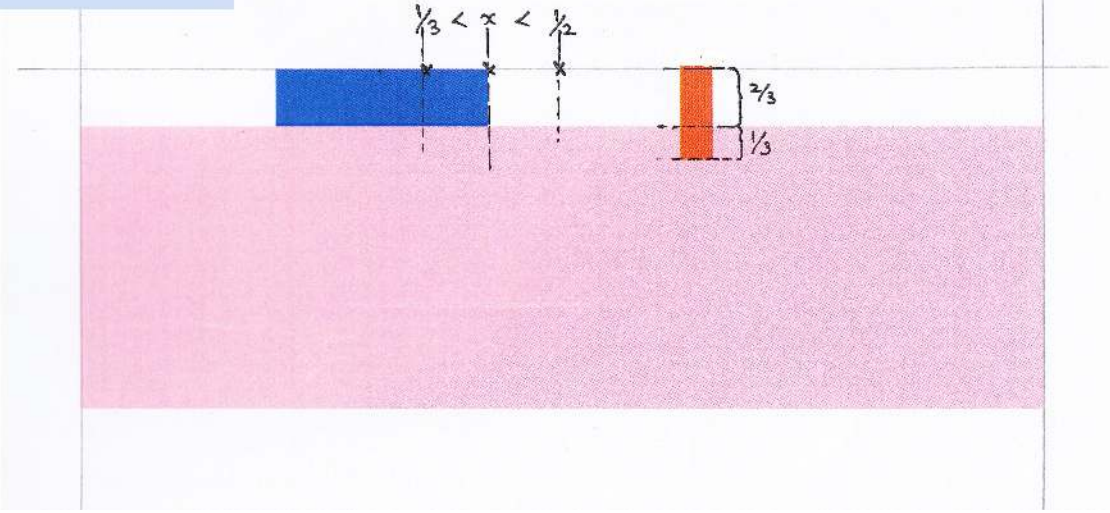
Front view



Side view



Back view

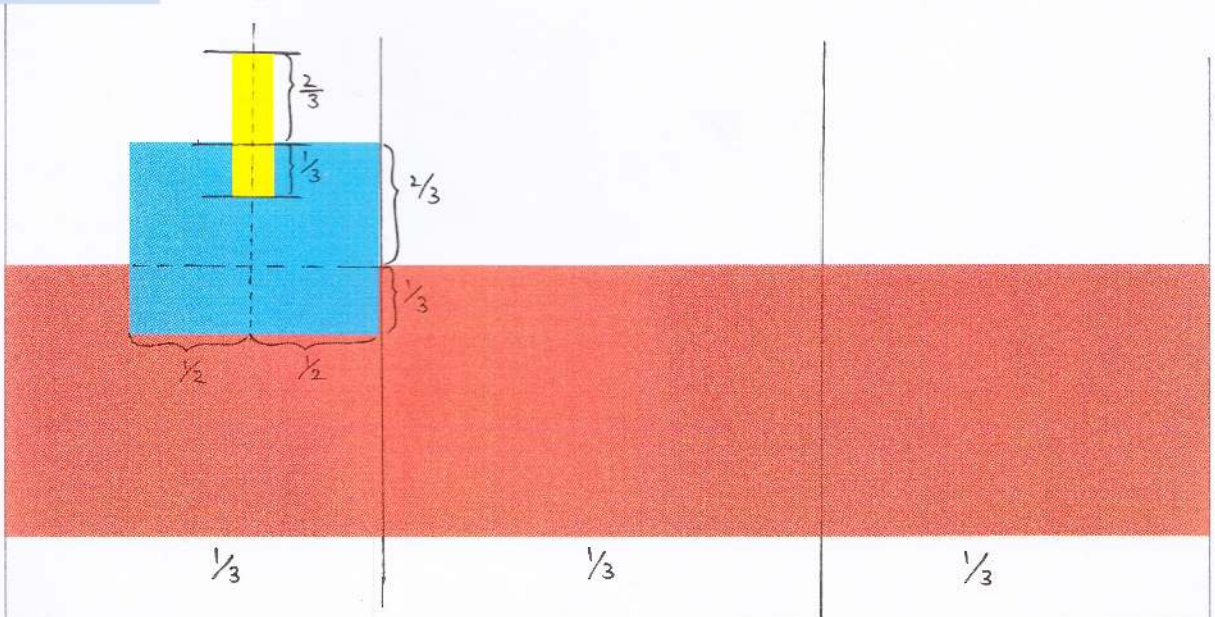


Final model 1

Legend:

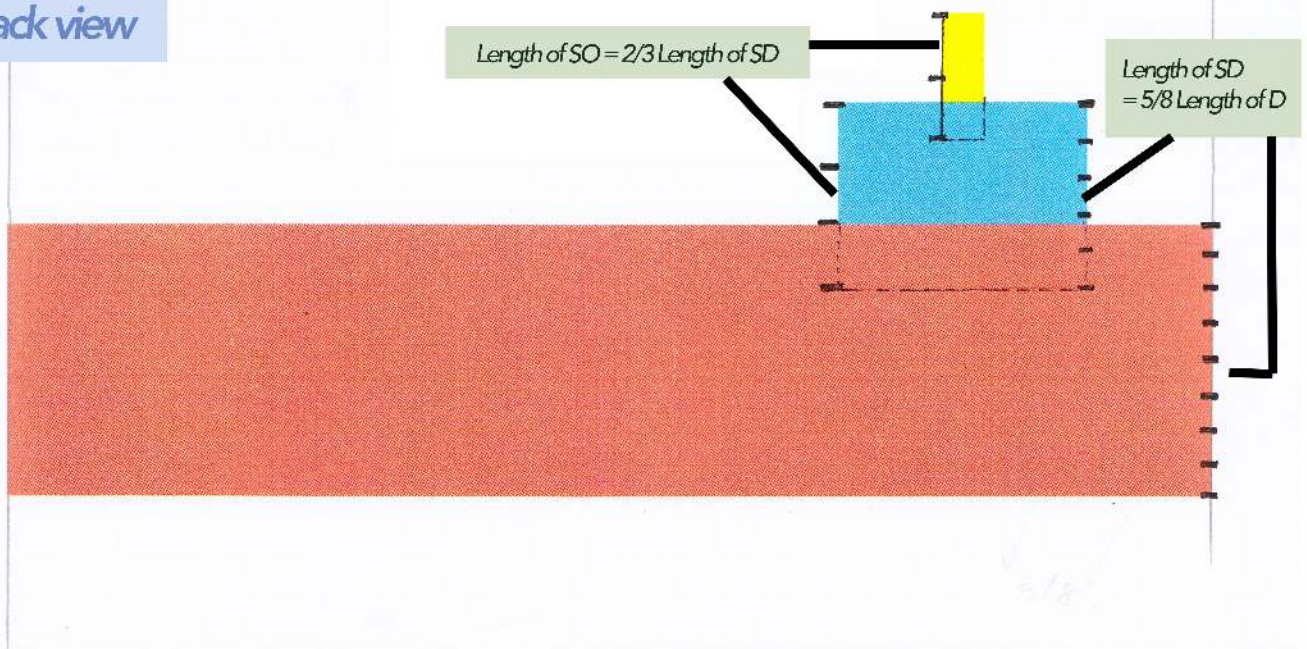
Dominant (D) Subdominant (SD) Subordinate (SO)

Front view



Other considerations:
Could possibly shift SD more to 1/2 < x < 1/2, but not suitable for my application - rock climbing.
I would want the climber to scale the first wall horizontally as much as possible.

Back view

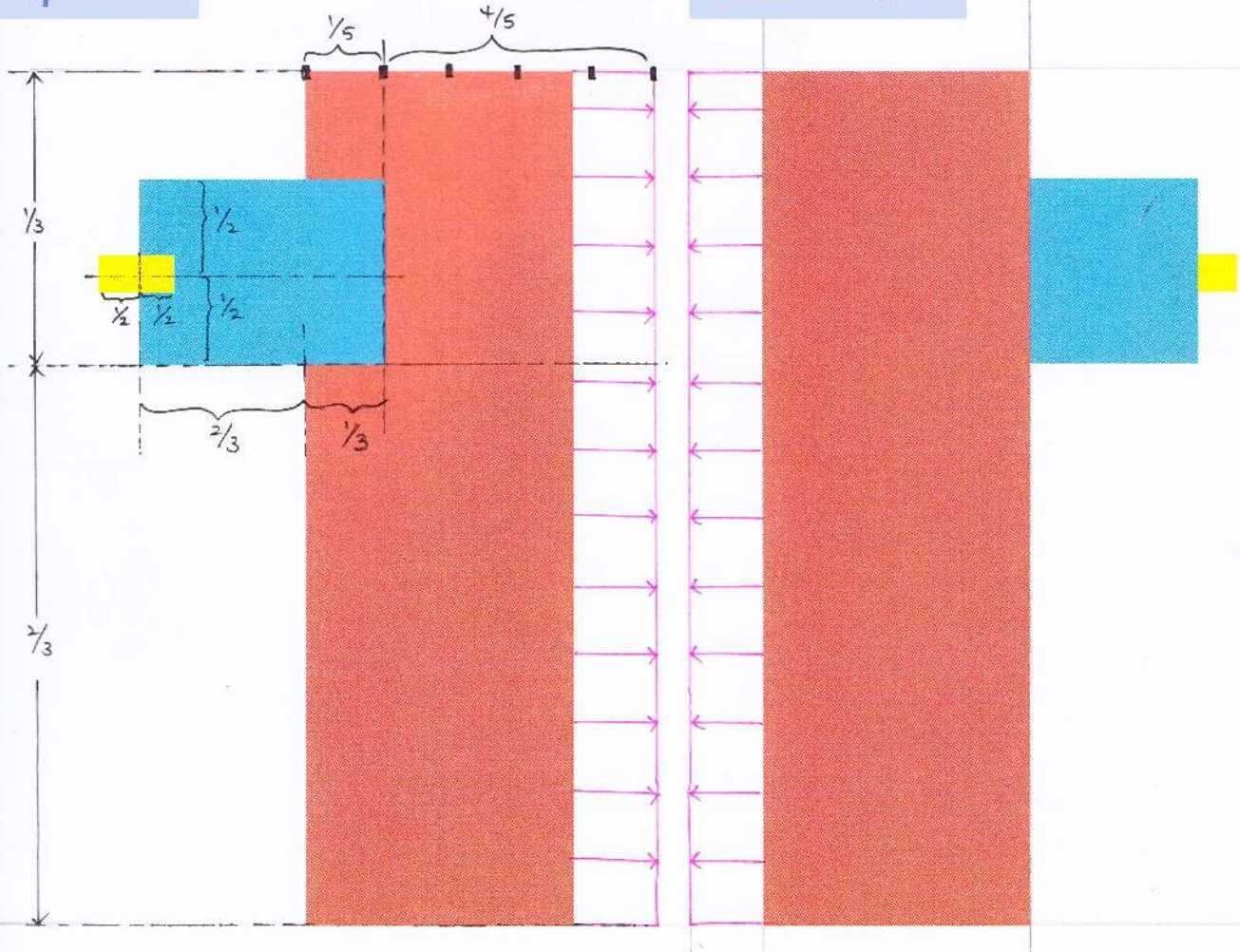


Final model 1

Legend:

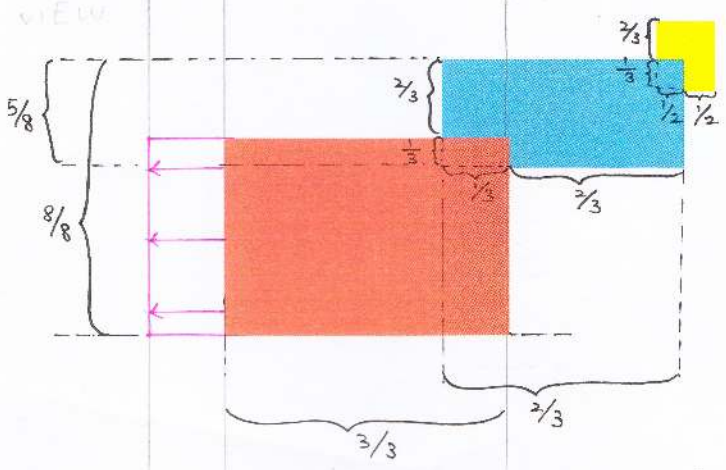
Dominant (D) | Subdominant (SD) | Subordinate (SO) | *In pink: amendments made

Top view



Bottom view

Side view



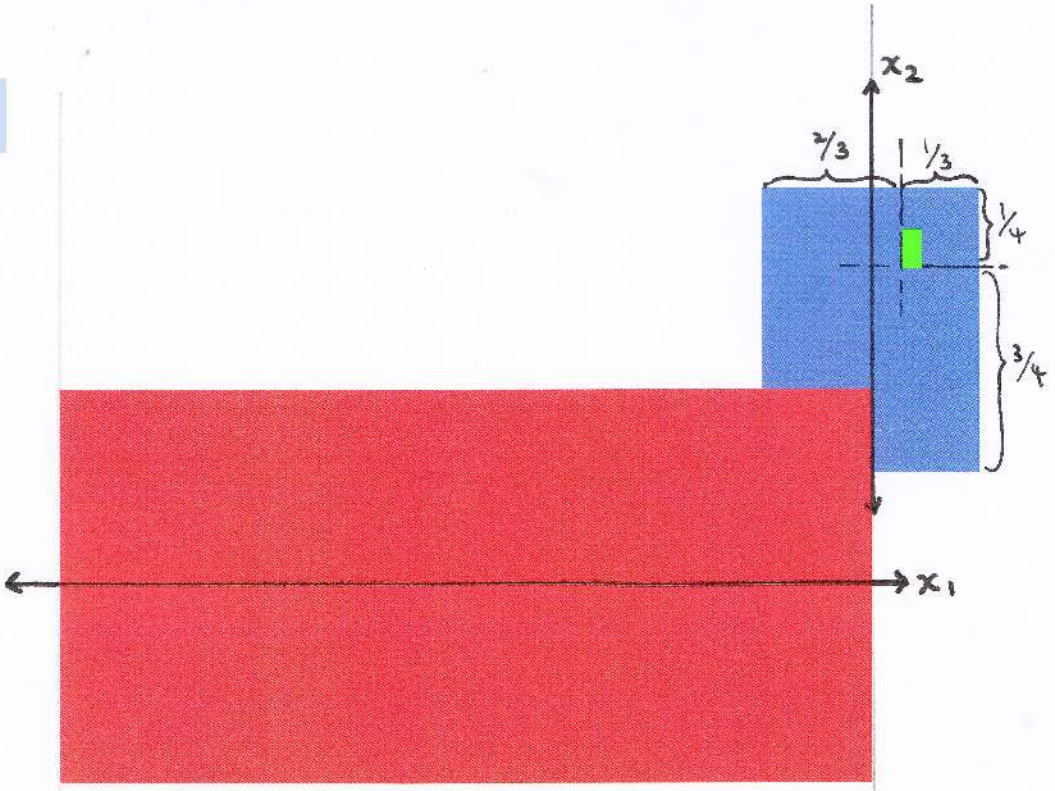
Final amendment:
D is not dominant enough - it is competing with the SD. Hence, I made D larger without interfering with its principle axis.

Final model 2

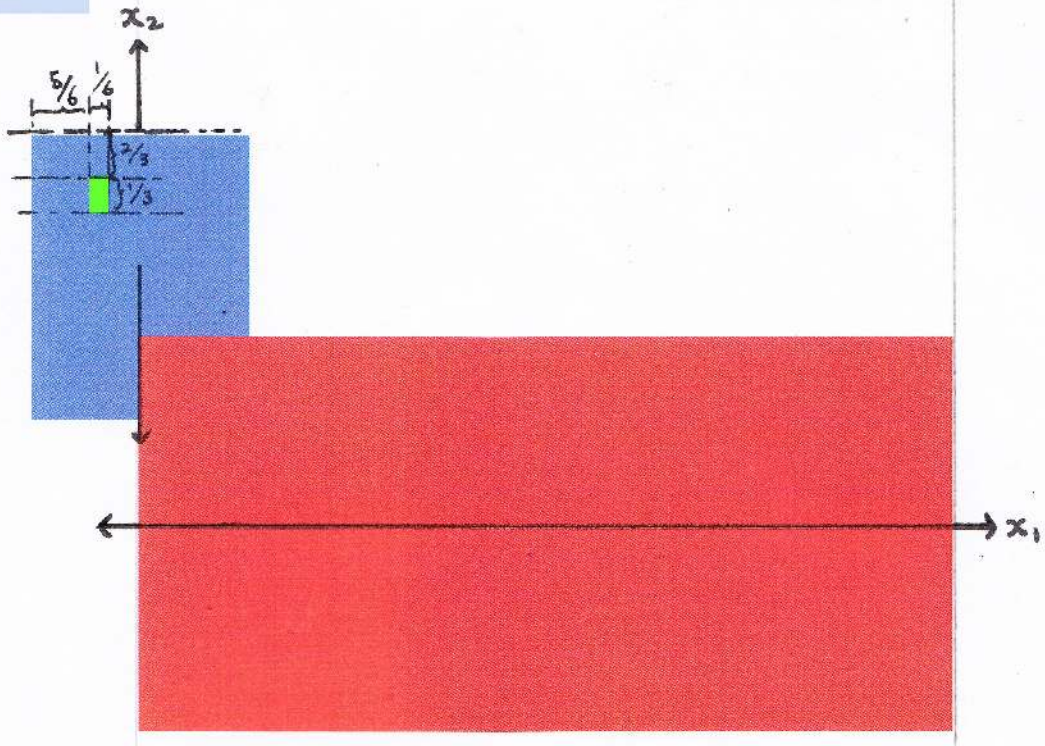
Legend:

Dominant (D) Subdominant (SD) Subordinate (SO)

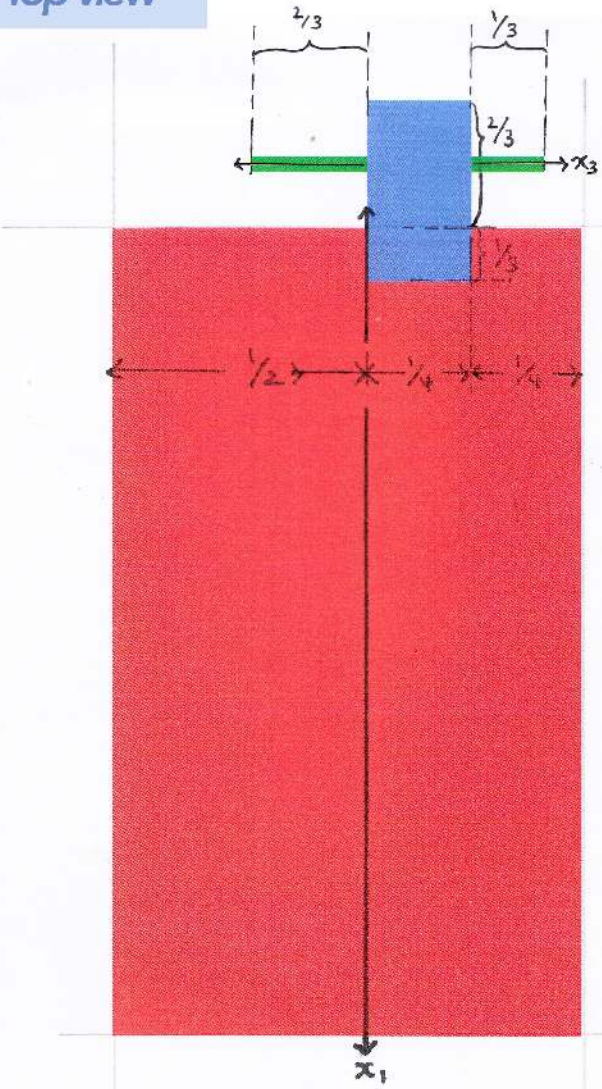
Front view



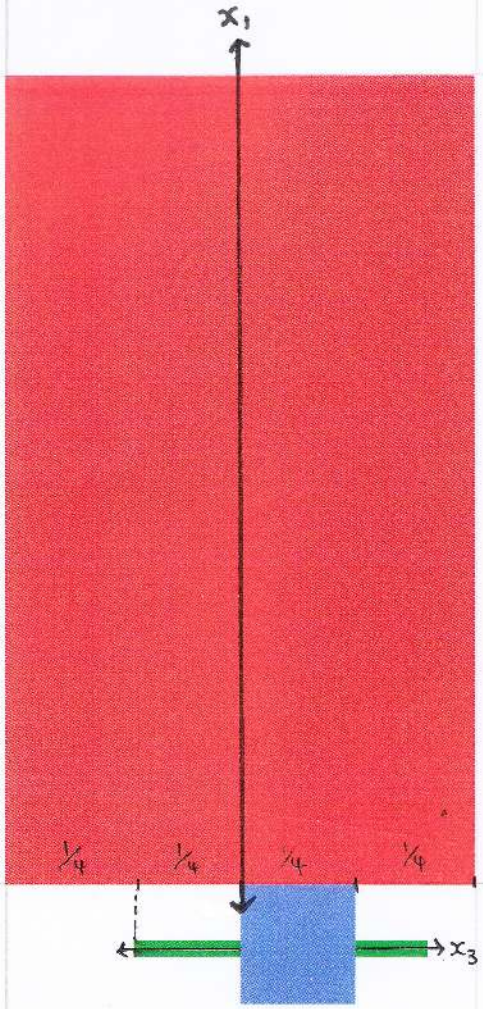
Back view



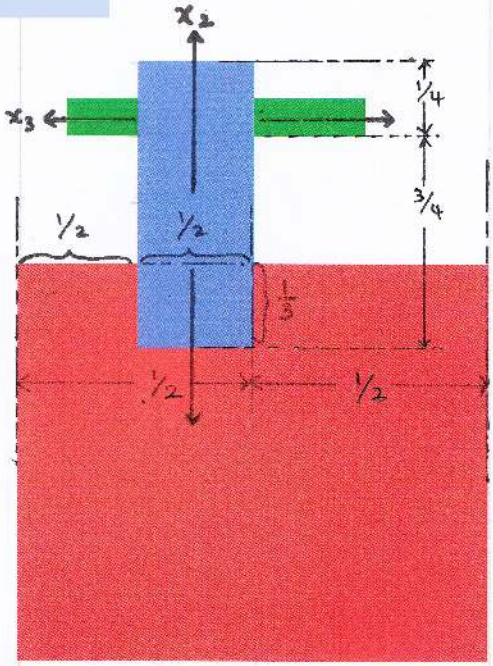
Top view



Bottom view



Side view



Side view