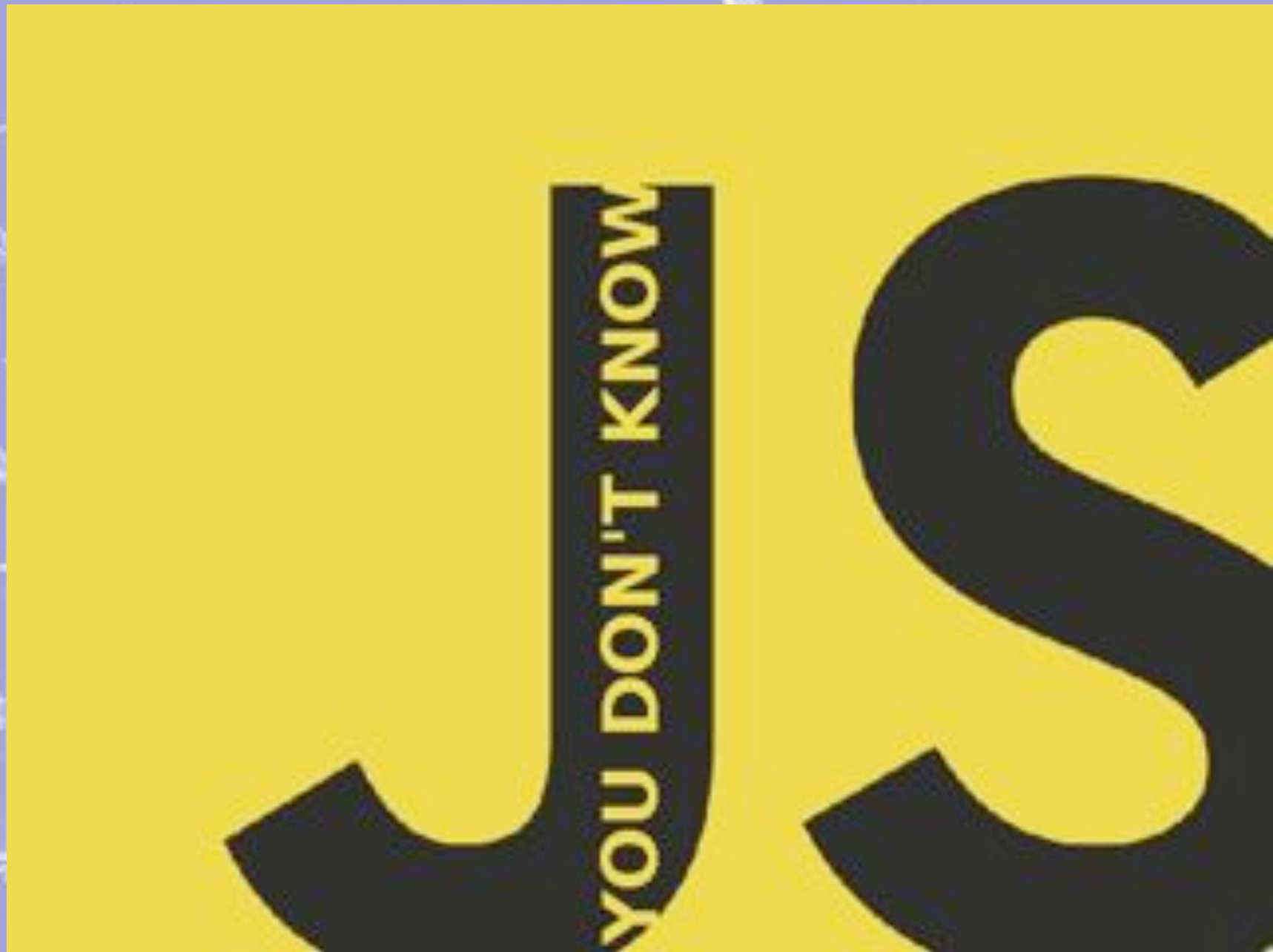




#CSS { yawn: yay }

kyle simpson
<http://getify.me>
@getify

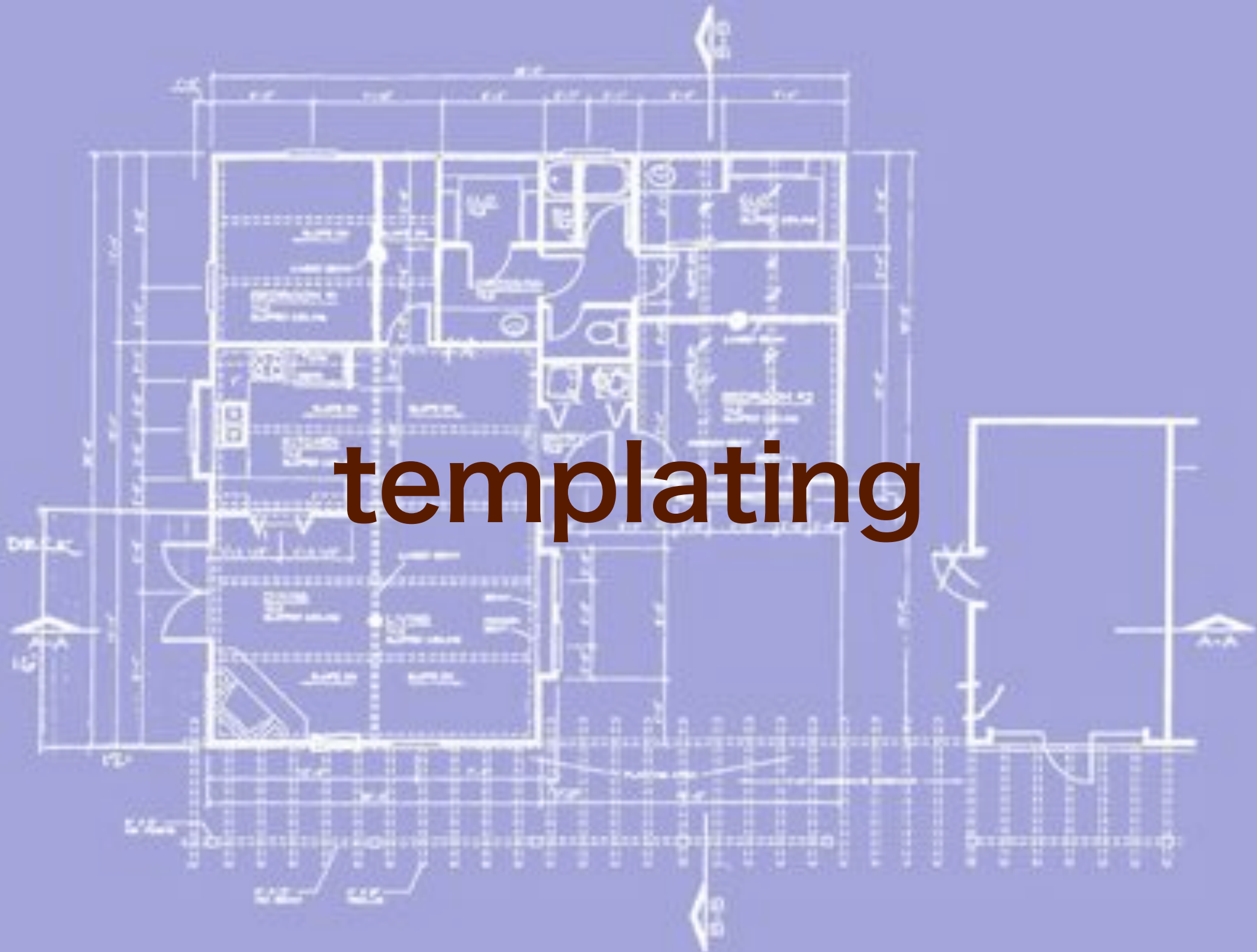


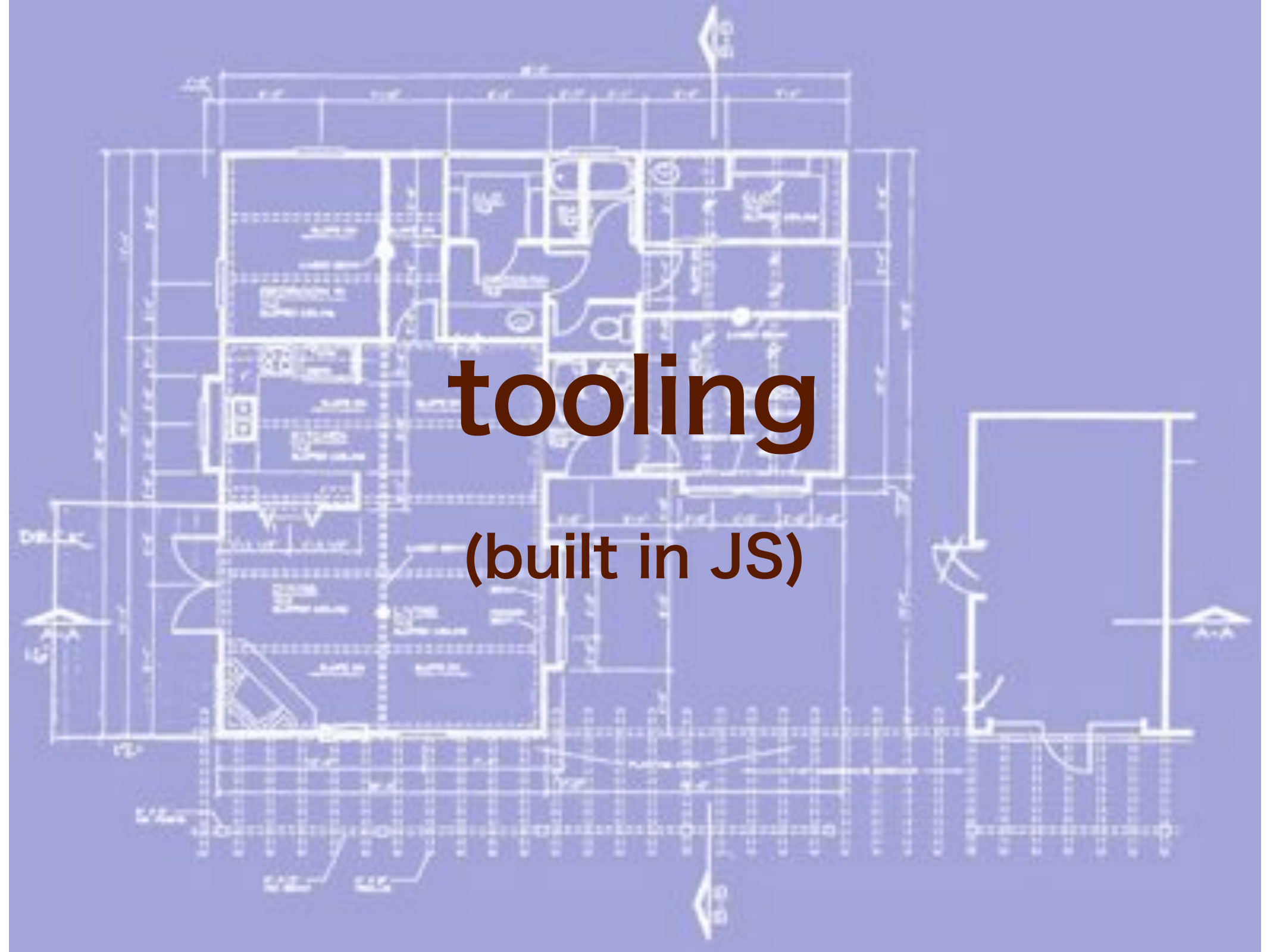
<http://YouDontKnowJS.com>

A detailed architectural floor plan of a building, likely a school or office, with various rooms, corridors, and structural elements. The plan is overlaid with a grid and includes dimensions and labels. The text is centered over the plan.

not a CSS talk

```
#reactions:first { face: smiley }  
#reactions:now { face: frowny }
```



tooling
(built in JS)

The background of the slide is a detailed architectural floor plan of a building. It shows various rooms, corridors, and structural elements like walls and doors. The plan is drawn in white lines on a blue background. There are several callouts and labels in small text throughout the plan, but they are not legible. The overall layout is complex and typical of a professional architectural drawing.

text templating

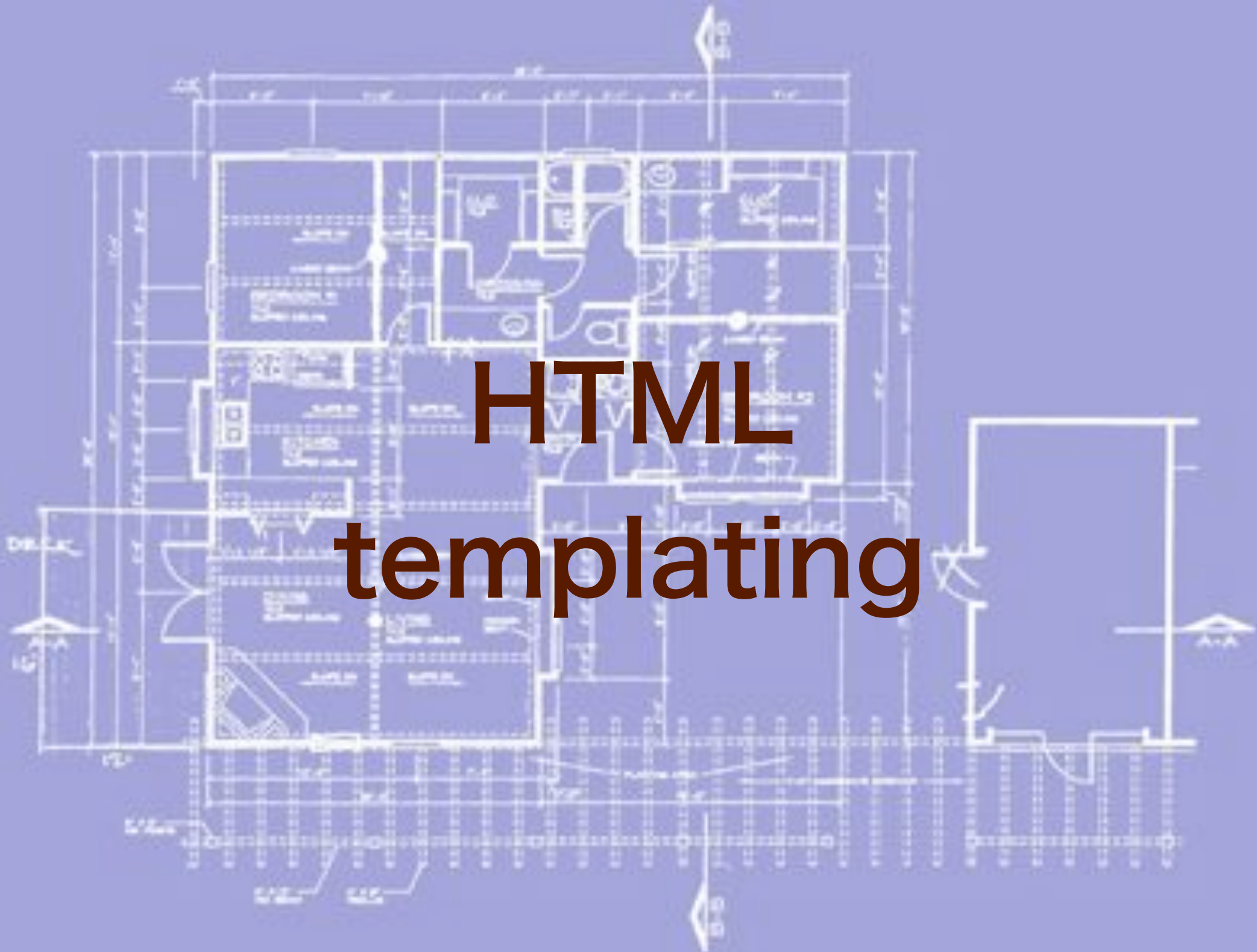
HTML

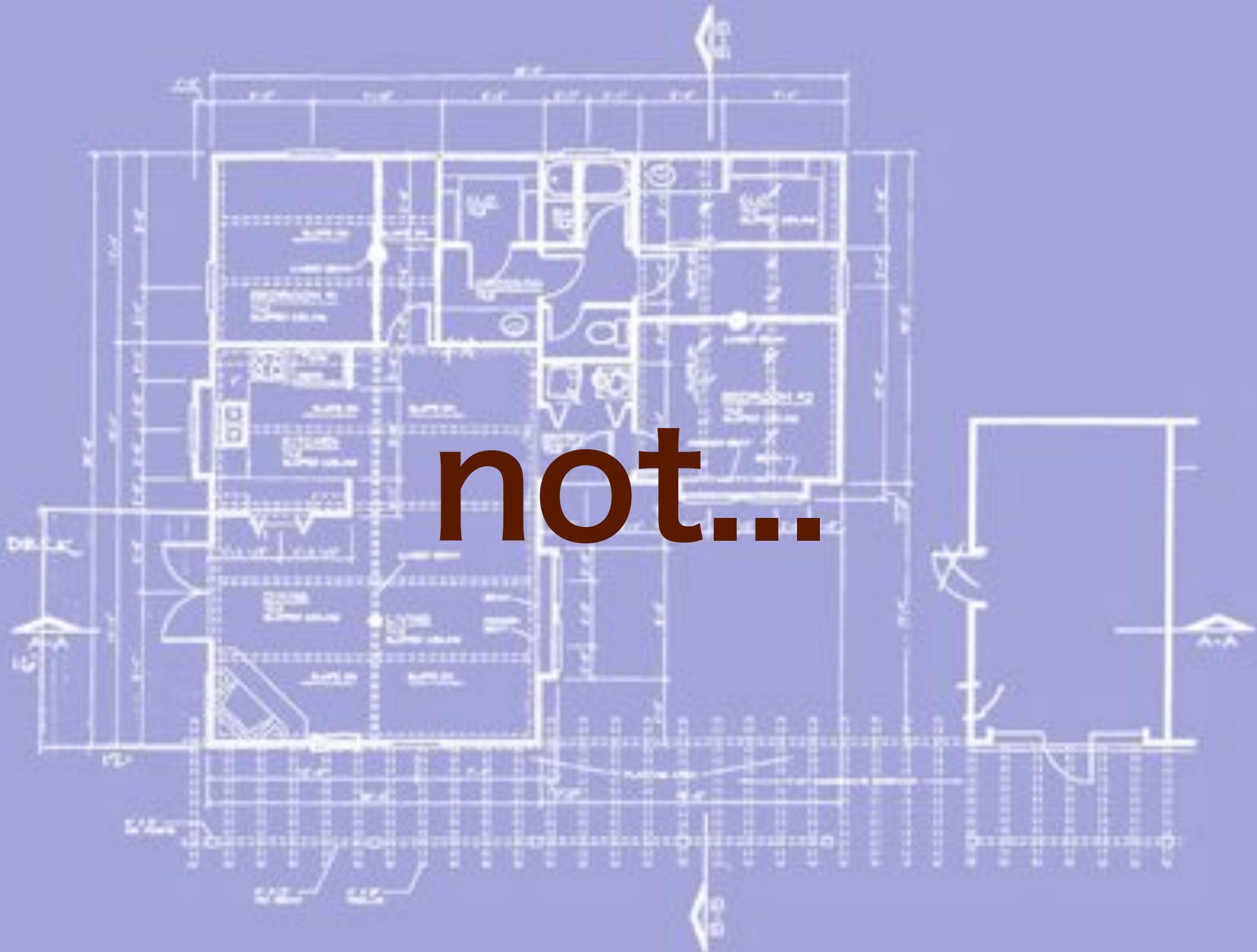
CSS

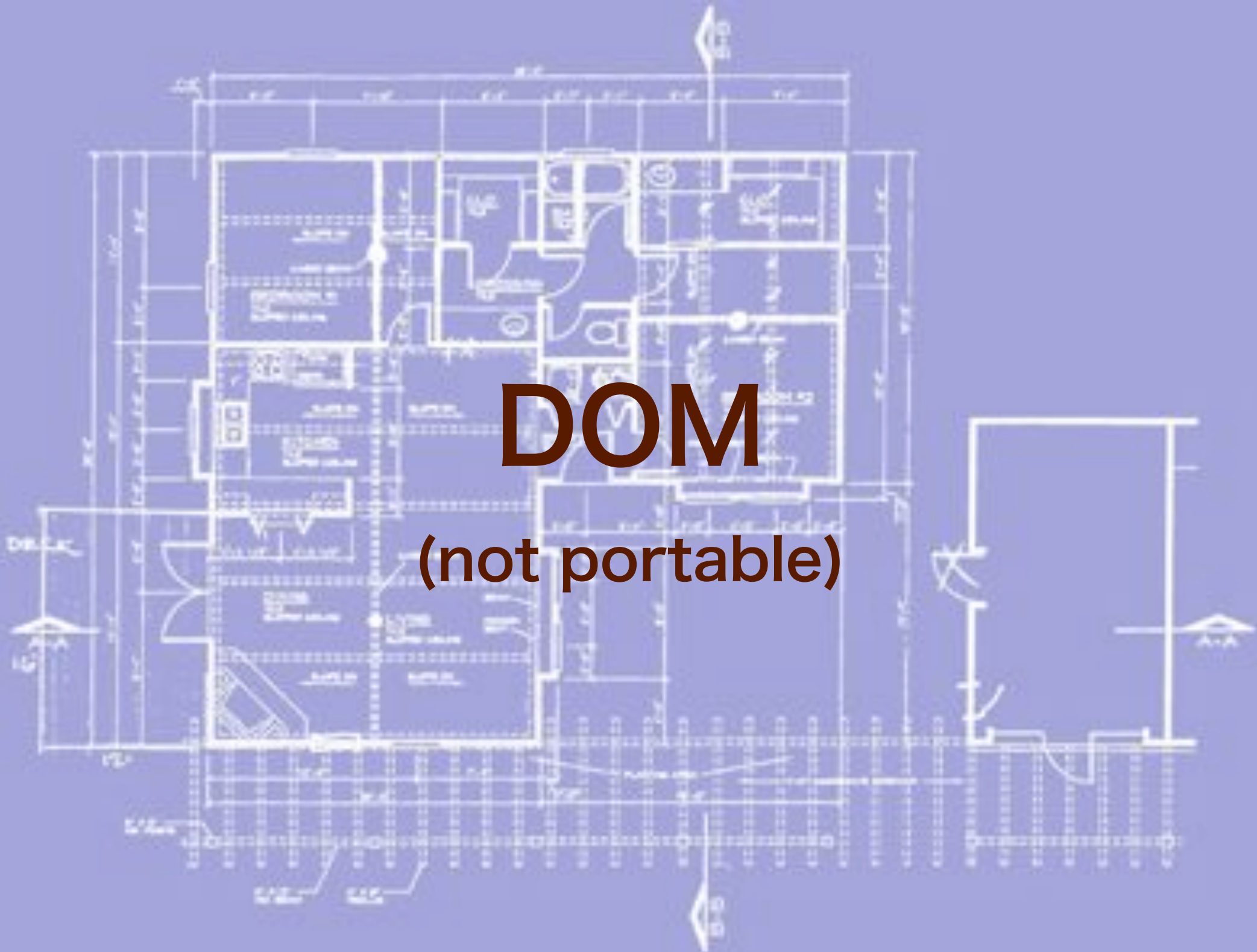
JS

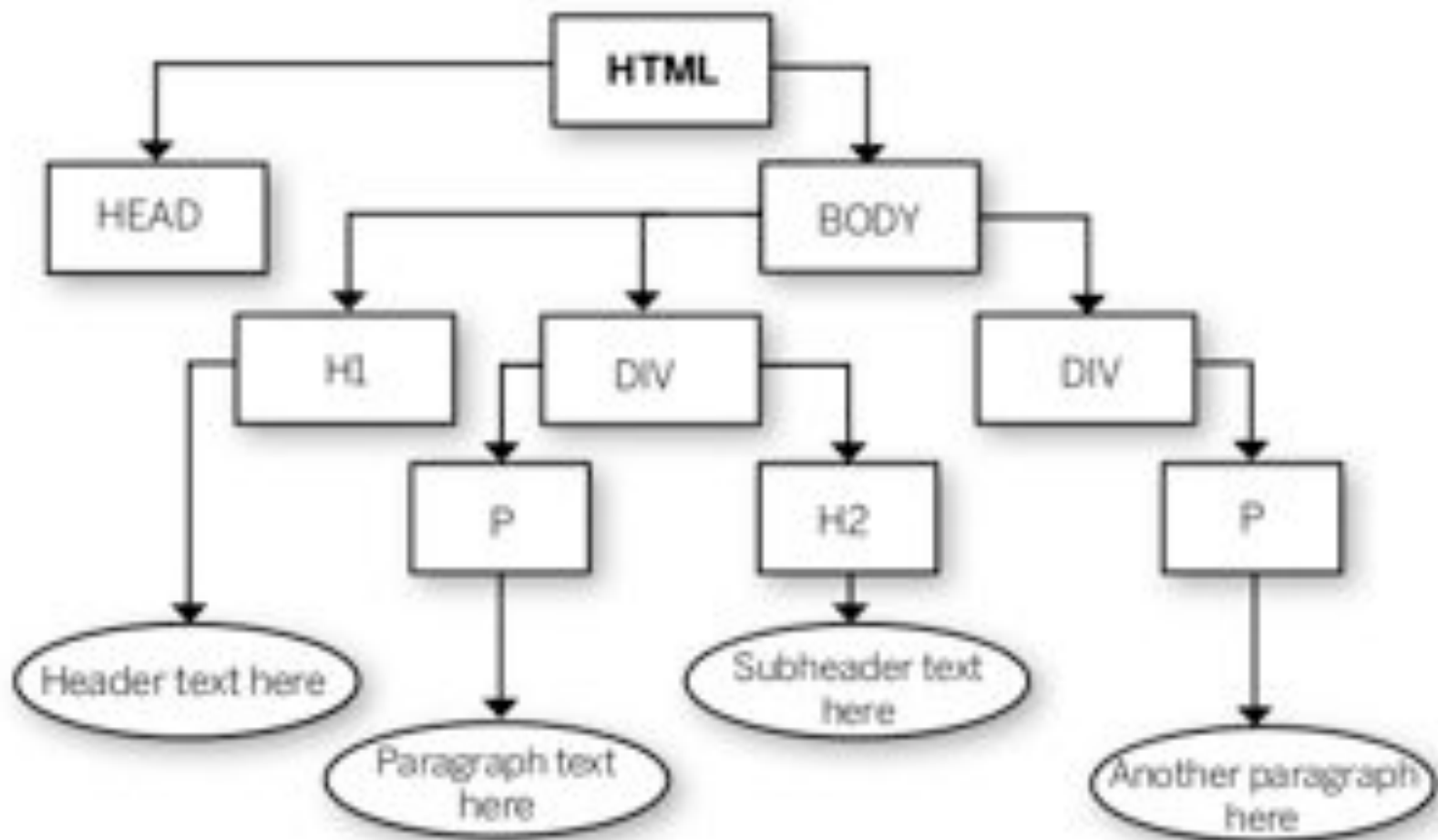
text/email, CSV, etc

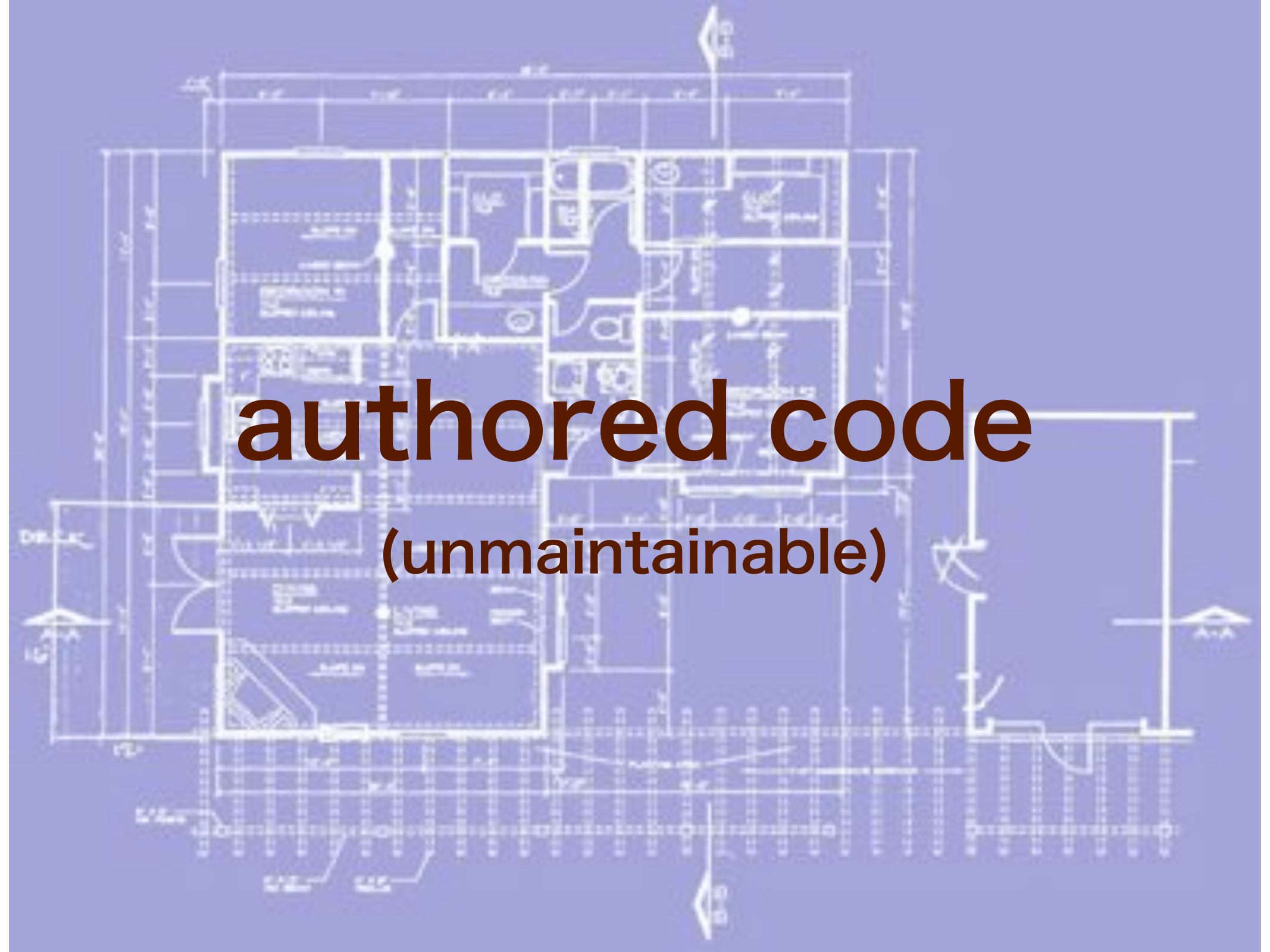
HTML templating











authored code
(unmaintainable)

The background is a light blue architectural drawing of a building floor plan. It shows various rooms, corridors, and structural elements like walls and doors. There are dimension lines with numerical values and section markers like 'A-A' and 'B-B' with arrows indicating the direction of the sections. The drawing is detailed, showing furniture like a desk and chair in one room, and a sink in another.

```
1  $("<div/>", {  
2      id: "foo",  
3      title: "A cool div!",  
4      rel: "external",  
5      text: "Hello World"  
6  })  
7  .appendTo("#mySelector");
```

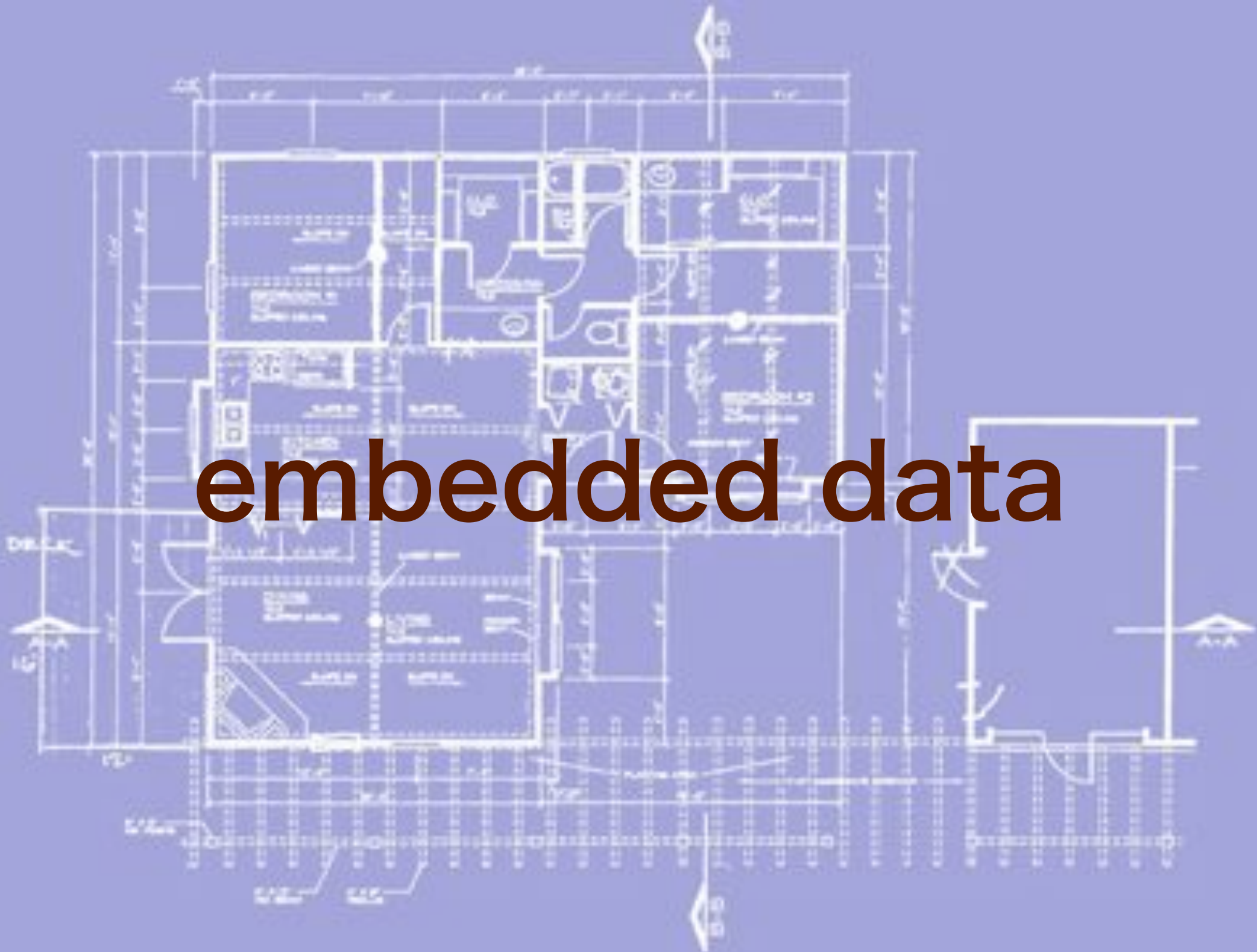
The background of the slide is a detailed architectural floor plan of a building. The plan is overlaid with a grid system, with dimensions labeled in feet and inches (e.g., 1'-0", 2'-0", 3'-0"). The plan shows various rooms, including what appears to be a kitchen, living area, and bedrooms. There are also structural elements like walls, doors, and windows indicated. The text "short-hand" and "(Markdown, Jade, HAML)" is superimposed on the plan.

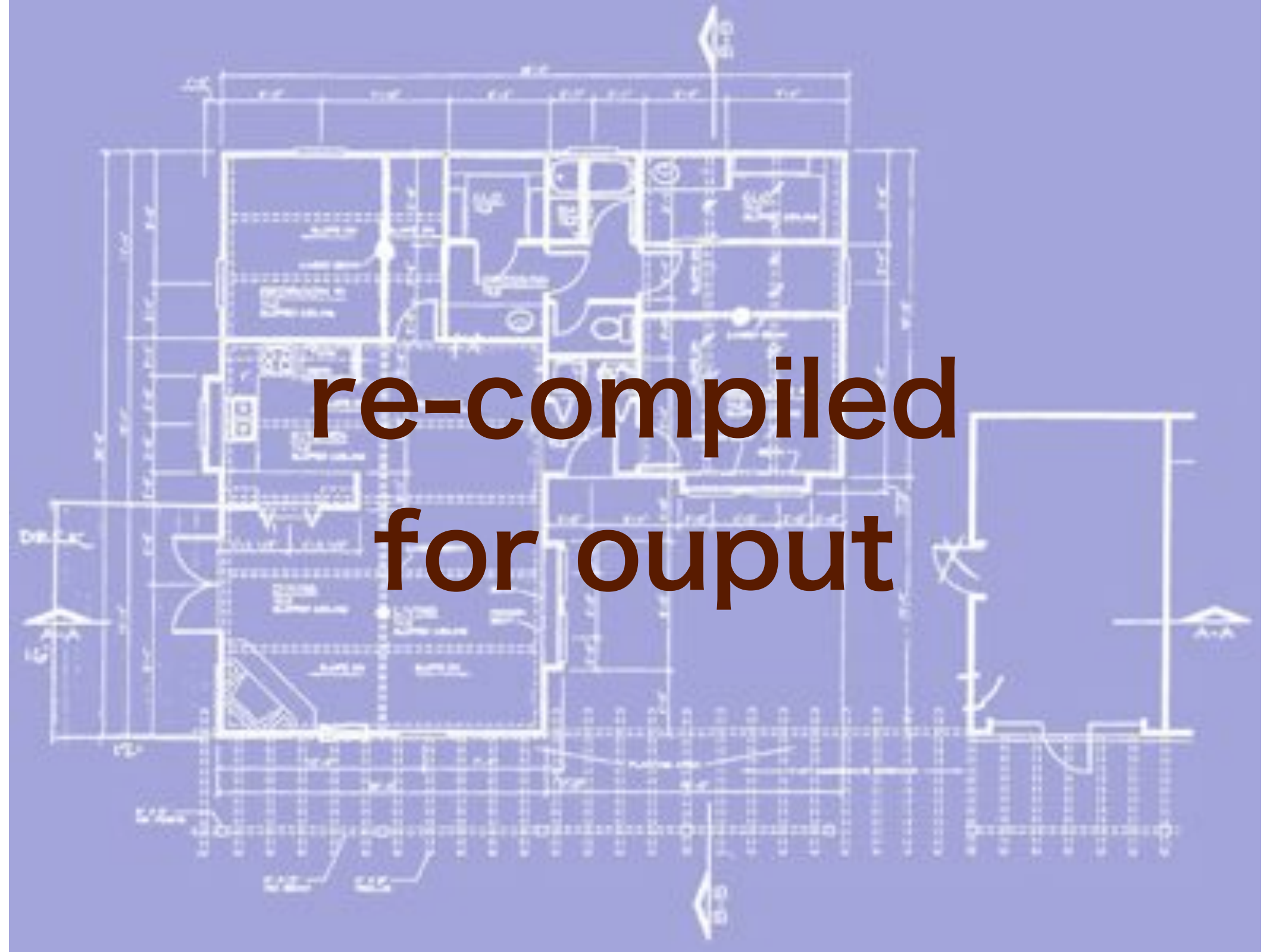
short-hand

(Markdown, Jade, HAML)

```
1 doctype html
2 html(lang="en")
3   head
4     title= pageTitle
5     script(type='text/javascript').
6       if (foo) {
7         bar(1 + 5)
8       }
9   body
10    h1 Jade - node template engine
11    #container.col
12      p.
13        Jade is a terse and simple
14        templating language with a
15        strong focus on performance
16        and powerful features.
```


embedded data



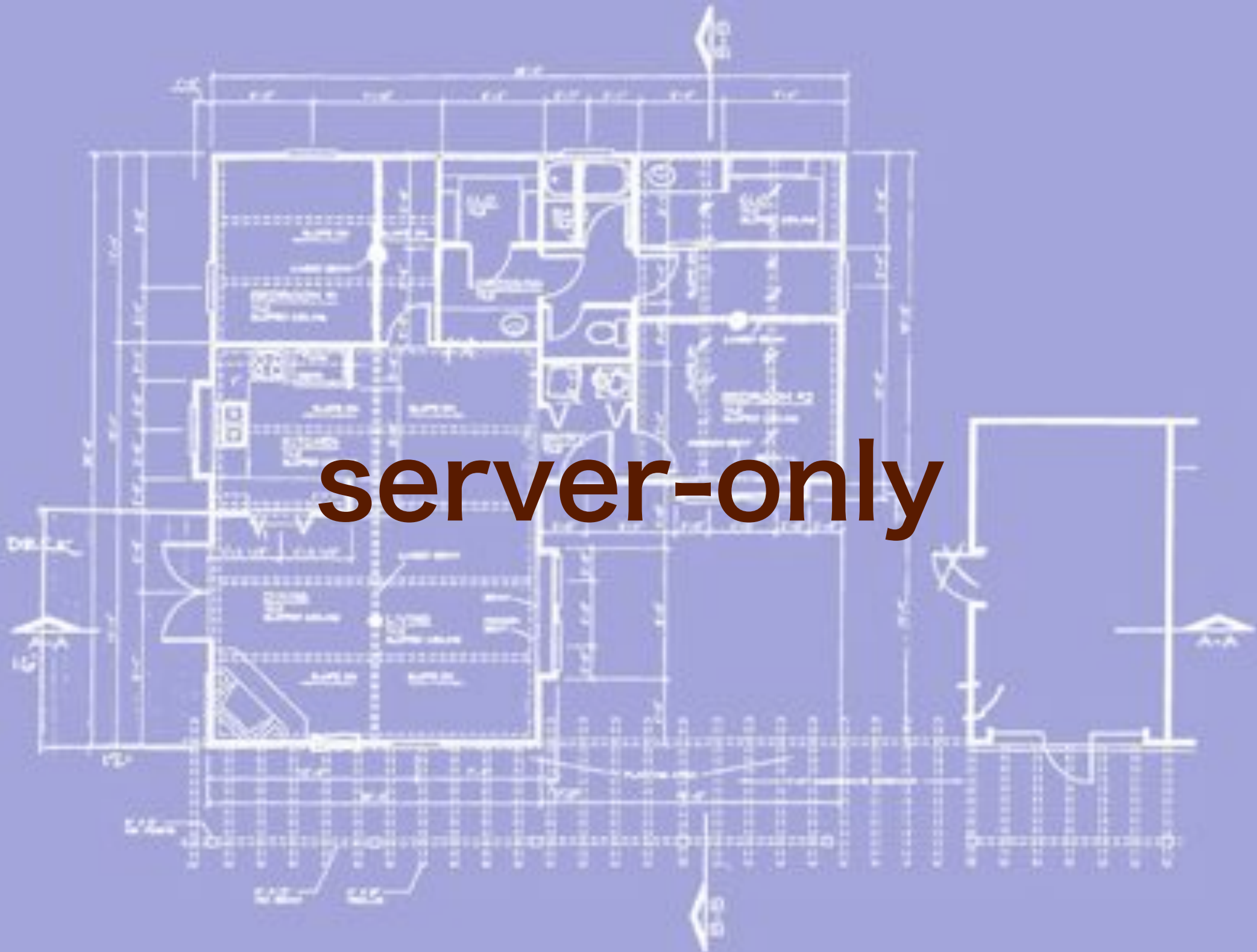
The image is a detailed architectural floor plan of a building, rendered in white lines on a blue background. The plan shows a complex layout of rooms, corridors, and service areas. Key features include a large central hall, several smaller rooms, and a staircase. The plan is annotated with numerous dimensions and labels, including 'DR. 1.2', 'DR. 1.3', 'DR. 1.4', 'DR. 1.5', 'DR. 1.6', 'DR. 1.7', 'DR. 1.8', 'DR. 1.9', 'DR. 1.10', 'DR. 1.11', 'DR. 1.12', 'DR. 1.13', 'DR. 1.14', 'DR. 1.15', 'DR. 1.16', 'DR. 1.17', 'DR. 1.18', 'DR. 1.19', 'DR. 1.20', 'DR. 1.21', 'DR. 1.22', 'DR. 1.23', 'DR. 1.24', 'DR. 1.25', 'DR. 1.26', 'DR. 1.27', 'DR. 1.28', 'DR. 1.29', 'DR. 1.30', 'DR. 1.31', 'DR. 1.32', 'DR. 1.33', 'DR. 1.34', 'DR. 1.35', 'DR. 1.36', 'DR. 1.37', 'DR. 1.38', 'DR. 1.39', 'DR. 1.40', 'DR. 1.41', 'DR. 1.42', 'DR. 1.43', 'DR. 1.44', 'DR. 1.45', 'DR. 1.46', 'DR. 1.47', 'DR. 1.48', 'DR. 1.49', 'DR. 1.50', 'DR. 1.51', 'DR. 1.52', 'DR. 1.53', 'DR. 1.54', 'DR. 1.55', 'DR. 1.56', 'DR. 1.57', 'DR. 1.58', 'DR. 1.59', 'DR. 1.60', 'DR. 1.61', 'DR. 1.62', 'DR. 1.63', 'DR. 1.64', 'DR. 1.65', 'DR. 1.66', 'DR. 1.67', 'DR. 1.68', 'DR. 1.69', 'DR. 1.70', 'DR. 1.71', 'DR. 1.72', 'DR. 1.73', 'DR. 1.74', 'DR. 1.75', 'DR. 1.76', 'DR. 1.77', 'DR. 1.78', 'DR. 1.79', 'DR. 1.80', 'DR. 1.81', 'DR. 1.82', 'DR. 1.83', 'DR. 1.84', 'DR. 1.85', 'DR. 1.86', 'DR. 1.87', 'DR. 1.88', 'DR. 1.89', 'DR. 1.90', 'DR. 1.91', 'DR. 1.92', 'DR. 1.93', 'DR. 1.94', 'DR. 1.95', 'DR. 1.96', 'DR. 1.97', 'DR. 1.98', 'DR. 1.99', 'DR. 1.100'. The text 're-compiled for output' is superimposed over the central part of the plan. The text is in a bold, brown, sans-serif font. The plan also includes a north arrow pointing towards the top right and a section line 'A-A' on the right side. The overall style is that of a technical drawing or blueprint.

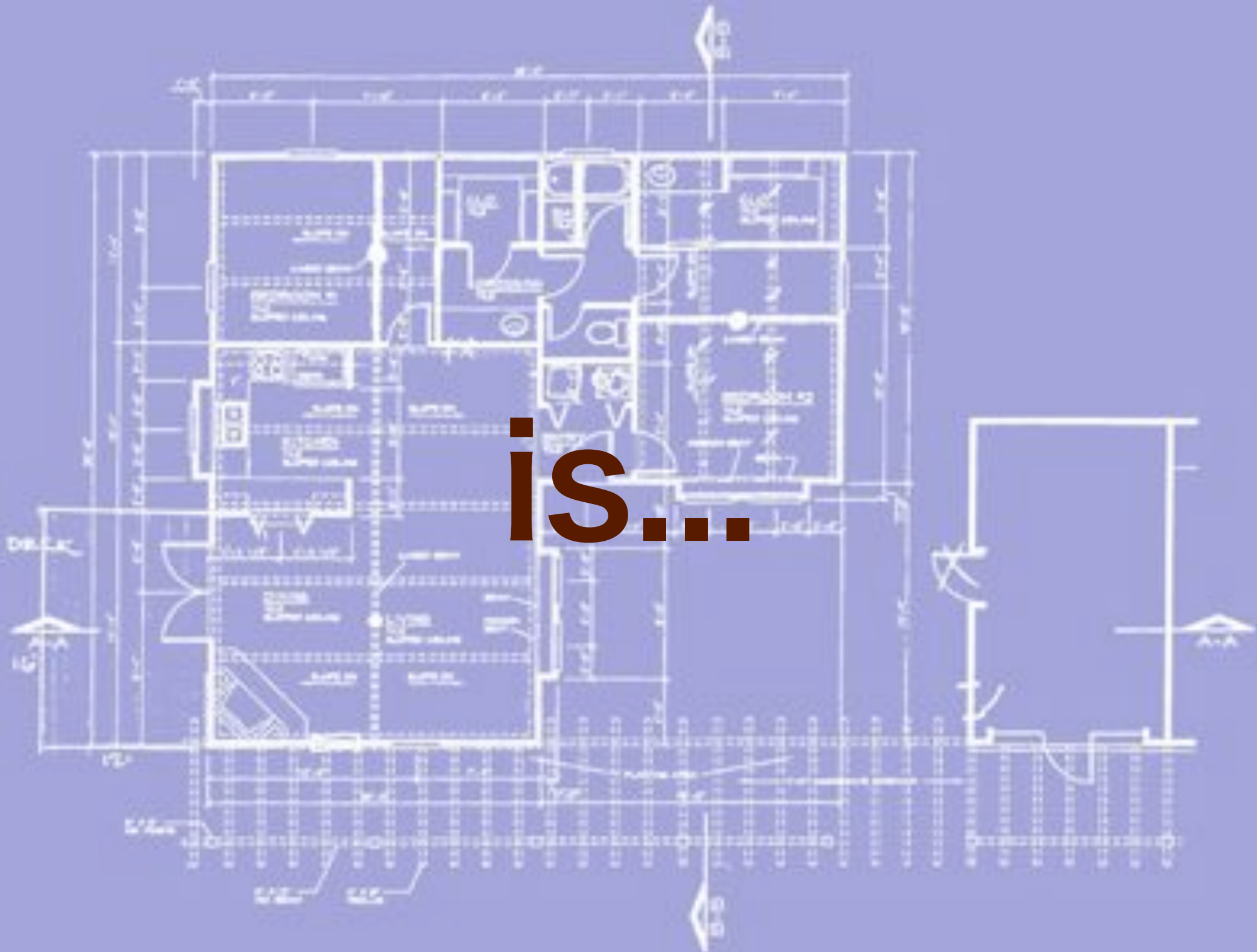
**re-compiled
for output**



```
1 <div id="#mySelector">
2   <!-- ... -->
3
4   <div id="<?=$foo?>" title="<?=$title?>"
5     rel="<?=$rel?>">
6     <?=$text?>
7   </div>
8 </div>
```

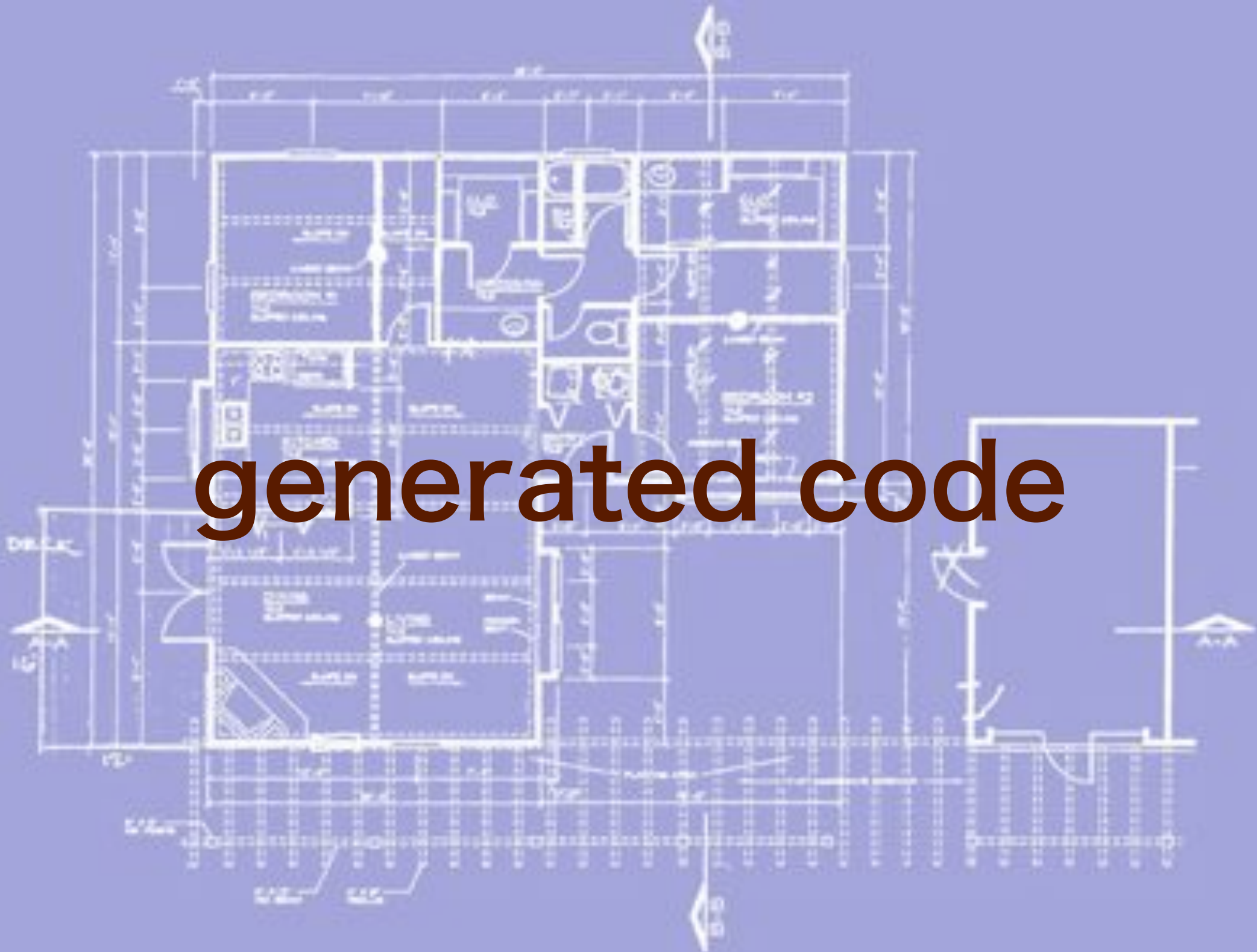


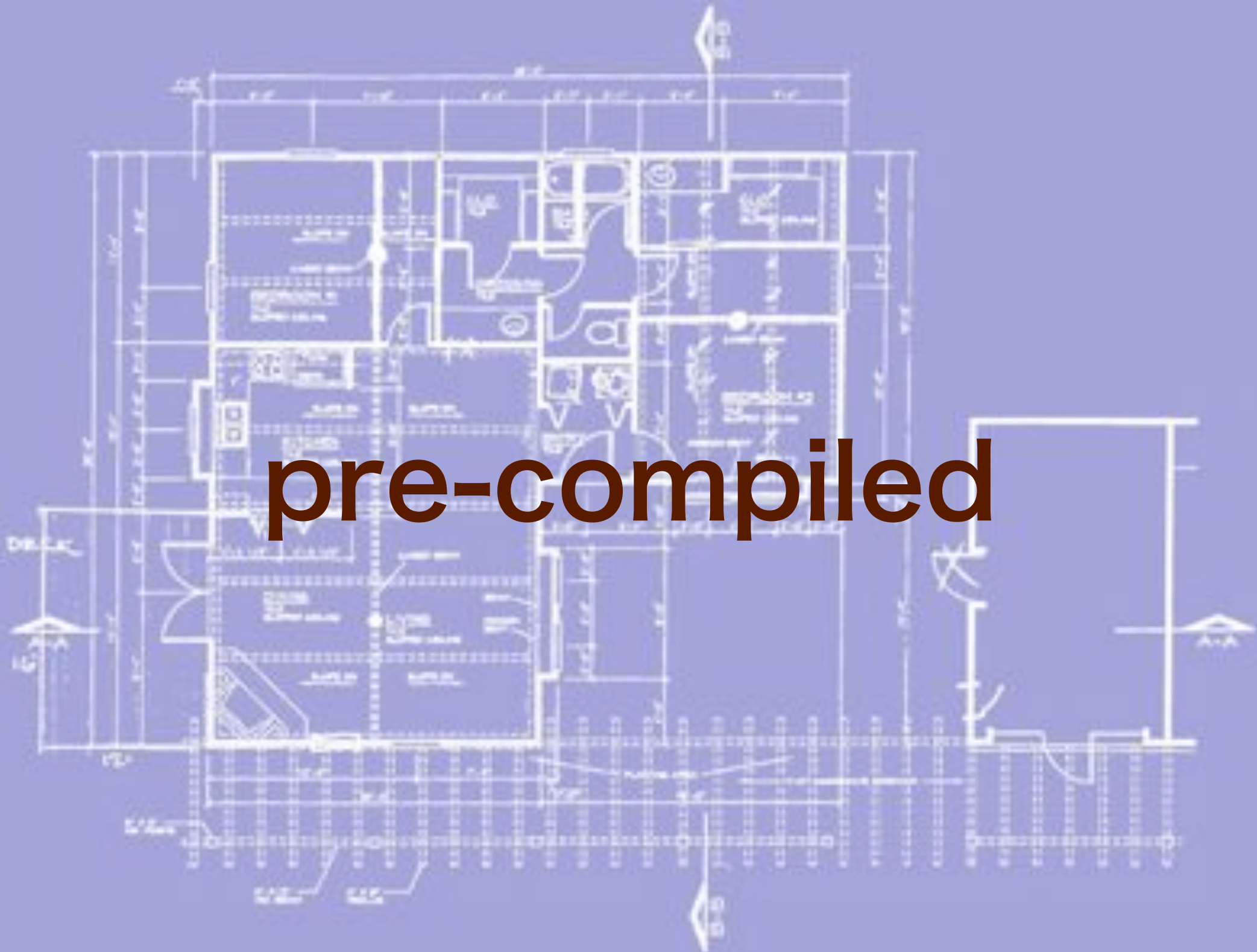


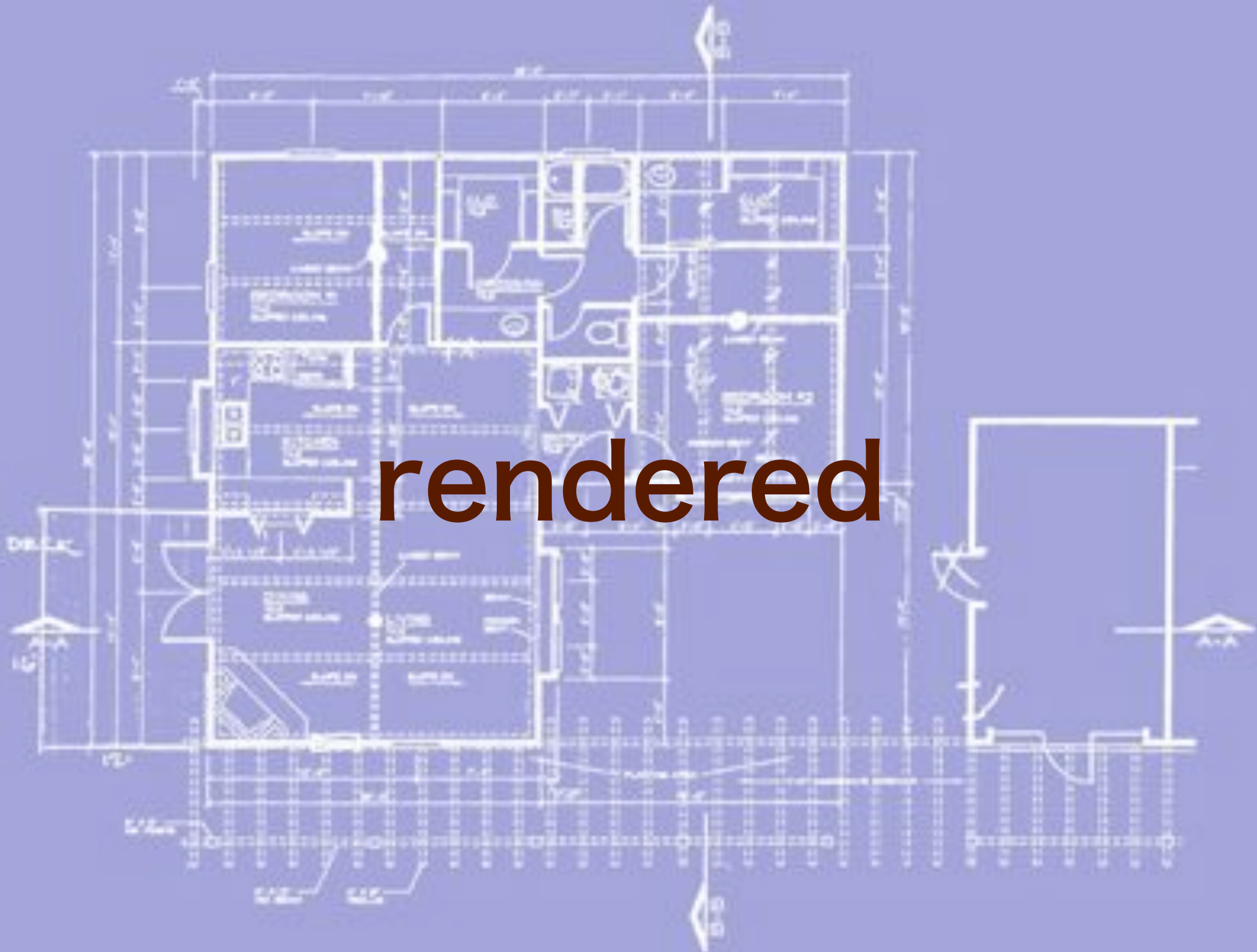


text (portable)

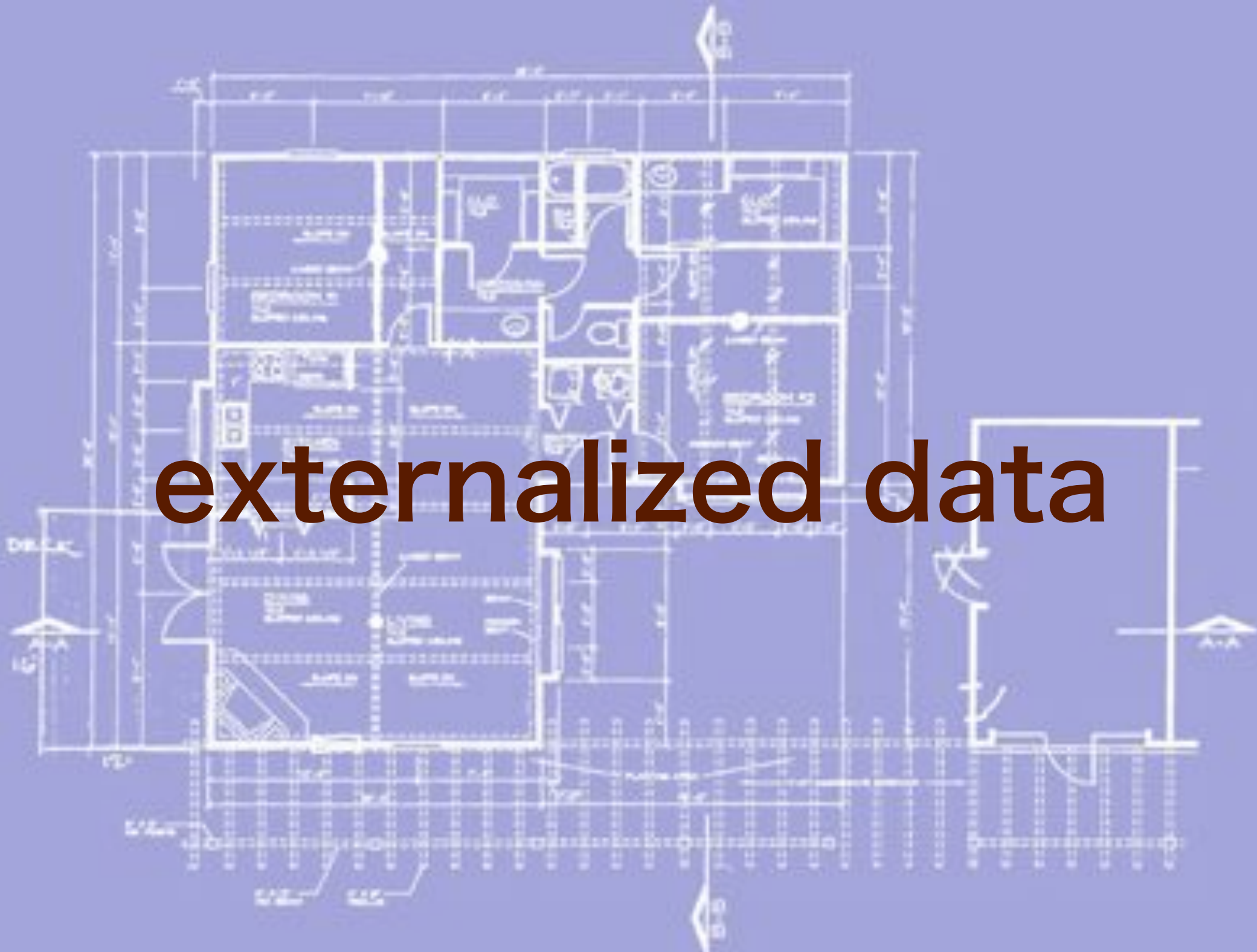
generated code





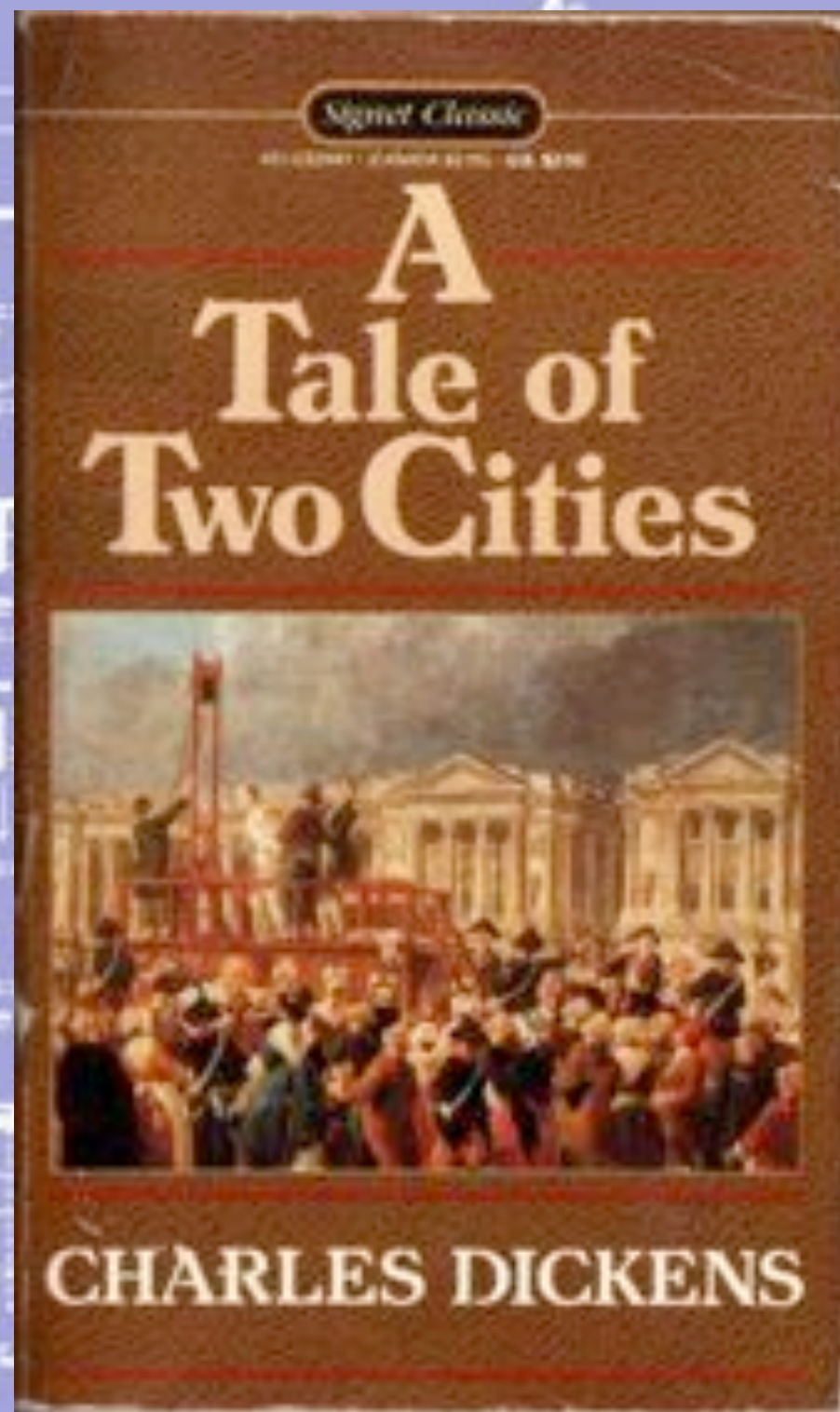


externalized data





hybrid
(server, client)





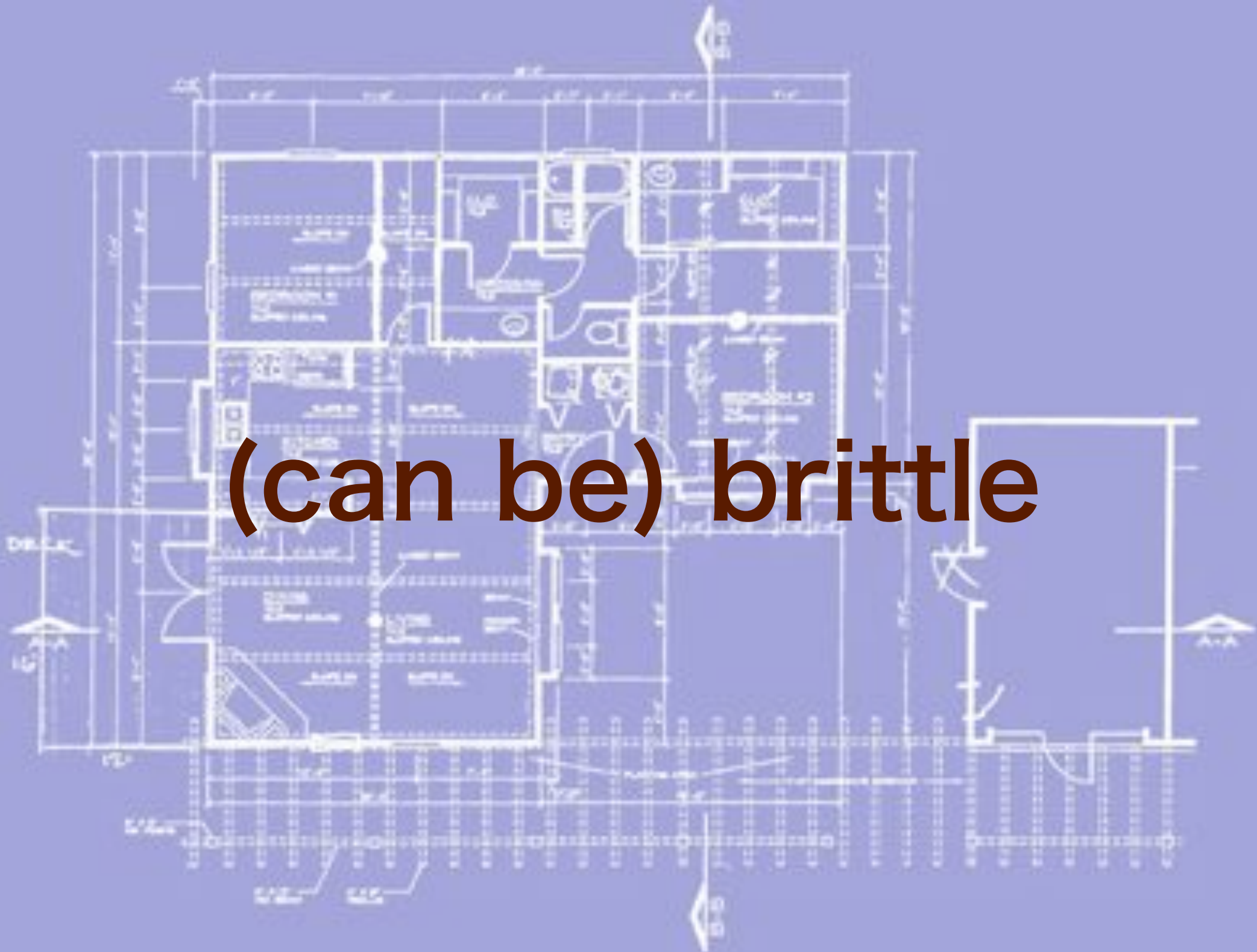
logic-less
(mustache, etc)

```
1 <h1>{{header}}</h1>
2 {{#bug}}
3 {{/bug}}
4
5 {{#items}}
6   {{#first}}
7     <li><strong>{{name}}</strong></li>
8   {{/first}}
9   {{#link}}
10    <li><a href="{{url}}">{{name}}</a></li>
11  {{/link}}
12 {{/items}}
13
14 {{#empty}}
15   <p>The list is empty.</p>
16 {{/empty}}
```



controller burden

(can be) brittle





The background is a detailed architectural floor plan of a building, likely a school or institutional structure, featuring a grid system and various rooms. The plan includes labels for rooms such as 'Biology', 'Chemistry', 'Physics', 'Mathematics', 'English', 'History', 'Art', 'Music', 'Gymnasium', 'Dance', 'Band', 'Cafeteria', 'Library', 'Auditorium', 'Gymnasium', 'Dance', 'Band', 'Cafeteria', 'Library', 'Auditorium', 'Gymnasium', 'Dance', 'Band', 'Cafeteria', 'Library', 'Auditorium'. The plan also shows a grid system with dimensions and a north arrow.

logic-full

(handlebars, dust, PHP, etc)

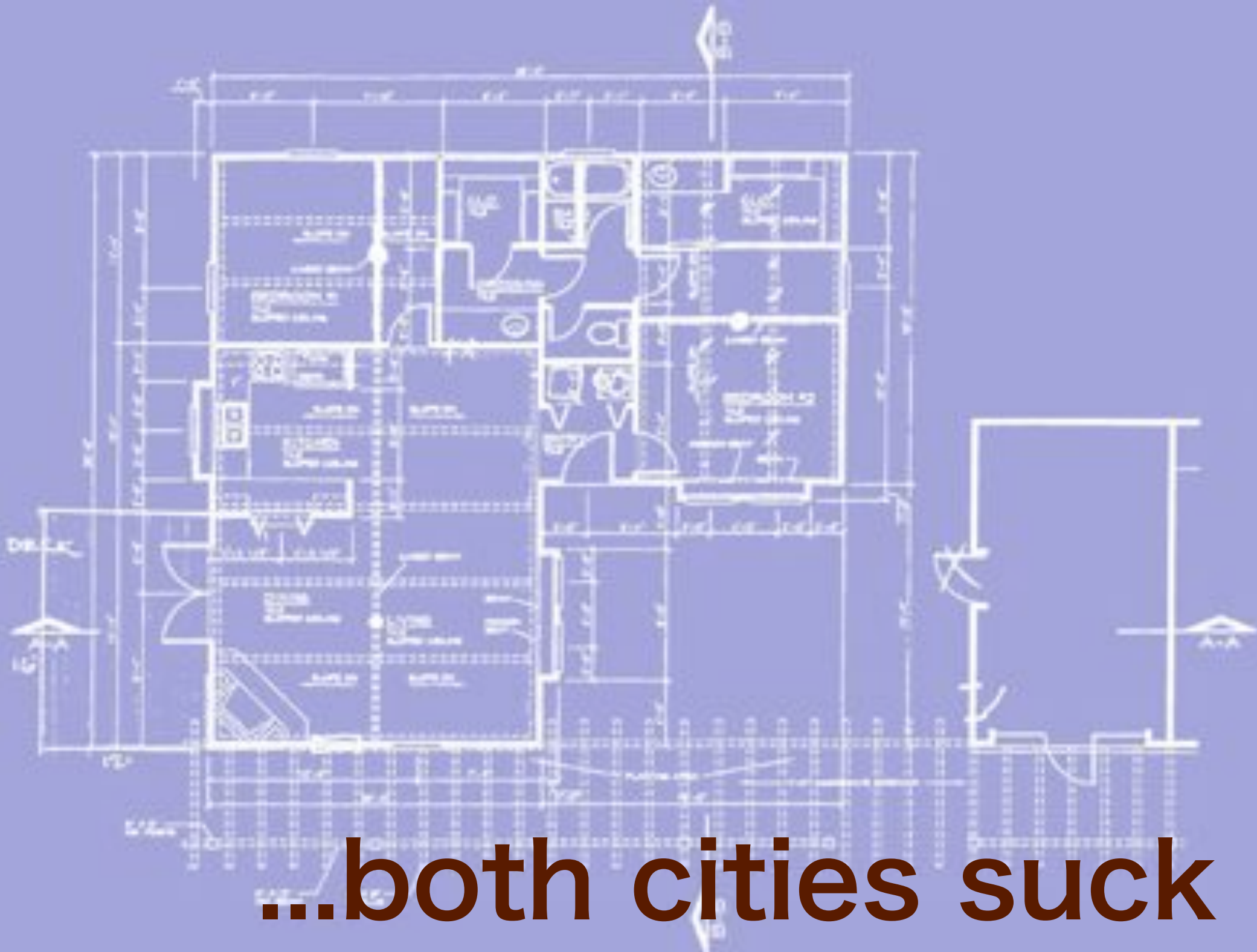
```
1  {{#list items}}
2    {{#first}}
3      <li><strong>{{name}}</strong></li>
4    {{/first}}
5    {{#link}}
6      <li><a href="{{url}}">{{name}}</a></li>
7    {{/link}}
8  {{/list}}
```

```
1  Handlebars.registerHelper("list",function(items,options) {
2    var out = "";
3
4    for(var i=0, l=items.length; i<l; i++) {
5      out = out + options.fn(items[i]);
6    }
7
8    return out;
9  });
```




separation of
concerns





...both cities suck



grips

<http://getify.github.io/grips/>

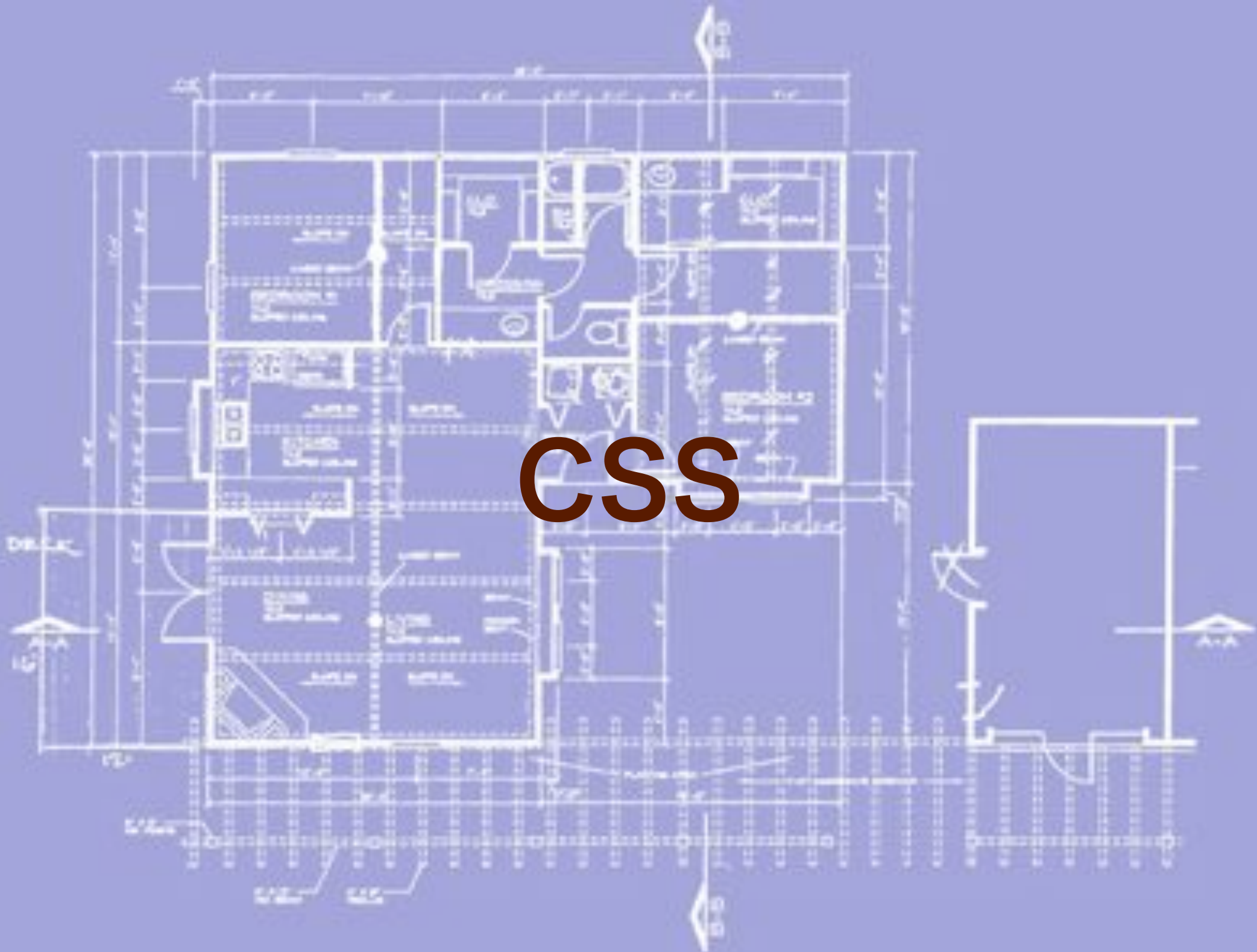
```
1  {$: "#content" |
2    list = $.items ? "#list" : "#empty"
3  }
4    <h1>{$= $.header $}</h1>
5
6    {$= @"#bug" $}
7    {$= @list $}
8  {$}
9
10  {$: "#list" }
11    {$* $.items | item = _.first ? "#first" : "#item" }
12    {$= @item | _.value $}
13    {$}
14  {$}
15
16  {$: "#first" }
17    <li><strong>{$=~h $.name $}</strong></li>
18  {$}
19
20  {$: "#item" }
21    <li><a href="{ $=~h $.url $}">{$=~h $.name $}</a></li>
22  {$}
23
24  {$: "#empty" }
25    <p>The list is empty.</p>
26  {$}
```

```
1  {$define "#content" |
2      list = $.items ? "#list" : "#empty"
3  }
4      <h1>{$insert $.header $}</h1>
5
6      {$partial "#bug" $}
7      {$partial list $}
8  {$}
9
10 {$define "#list" }
11     {$loop $.items | item = _.first ? "#first" : "#item" }
12     {$partial item | _.value $}
13     {$}
14 {$}
15
16 {$define "#first" }
17     <li><strong>{$insert~h $.name $}</strong></li>
18 {$}
19
20 {$define "#item" }
21     <li><a href="{ $insert~h $.url $}">{$insert~h $.name $}</a></li>
22 {$}
23
24 {$define "#empty" }
25     <p>The list is empty.</p>
26 {$}
```




```
1 var html = grips.render("#content",{
2     header: "Hello World",
3     items: [
4         { url: "http://getify.me", name: "Kyle" },
5         { url: "http://joeperson.name", name: "Joe" }
6     ]
7 });
```

```
1 var html = grips.render("#item",{
2     url: "http://getify.me",
3     name: "Kyle"
4 });
```





Arnout Kazemier

@3rdEden



 **Follow**

If you are not using a CSS
preprocessor, you are doing it wrong.

 Reply  Retweet  Favorite  More

RETWEETS

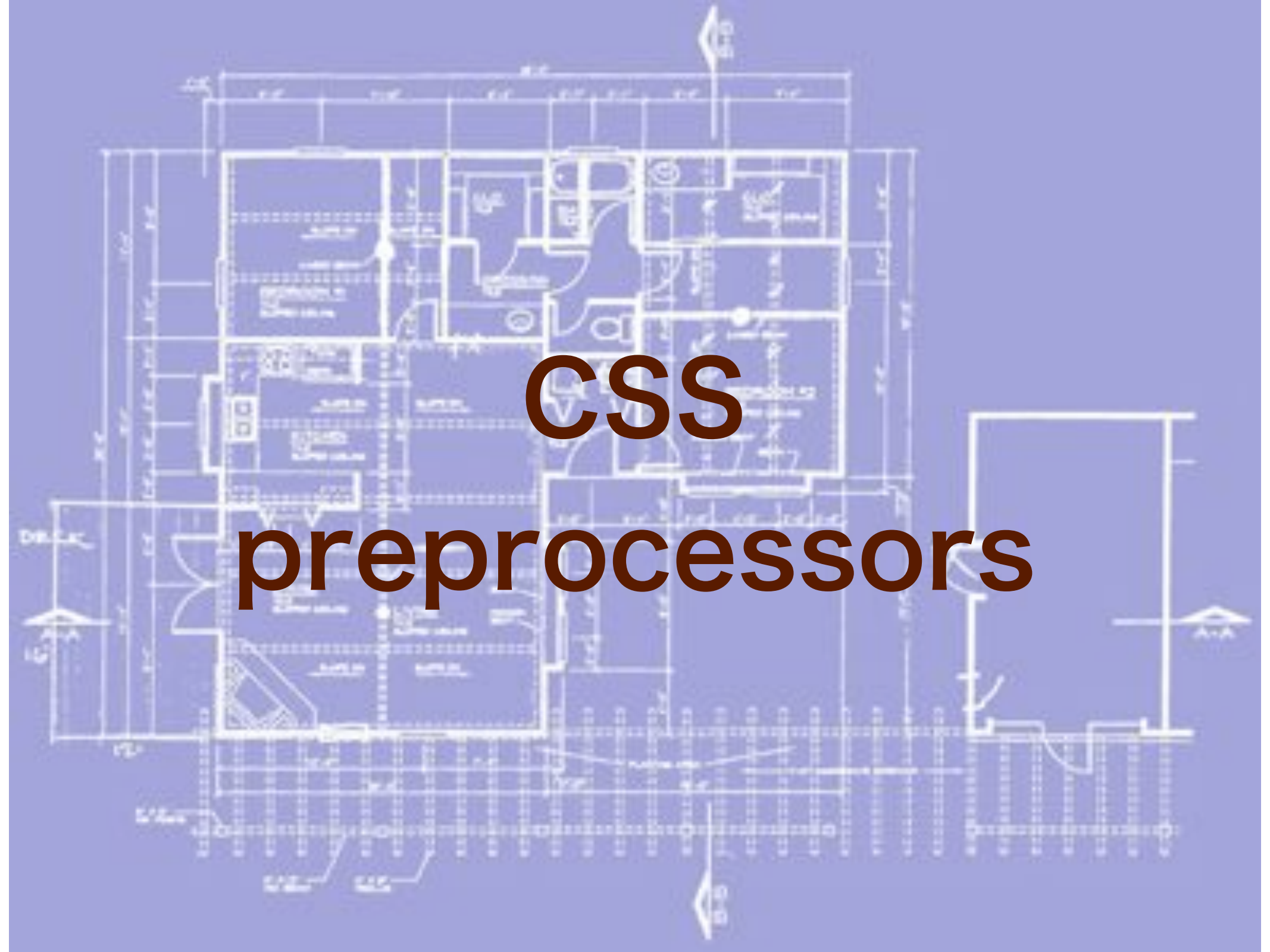
10

FAVORITES

2




6:47 AM - 8 Jul 2012



The background is a detailed architectural floor plan of a building. It features a grid system with dimensions and various rooms labeled in Chinese. The plan includes a large central area, several smaller rooms, and a staircase. The text 'CSS preprocessors' is overlaid in the center.

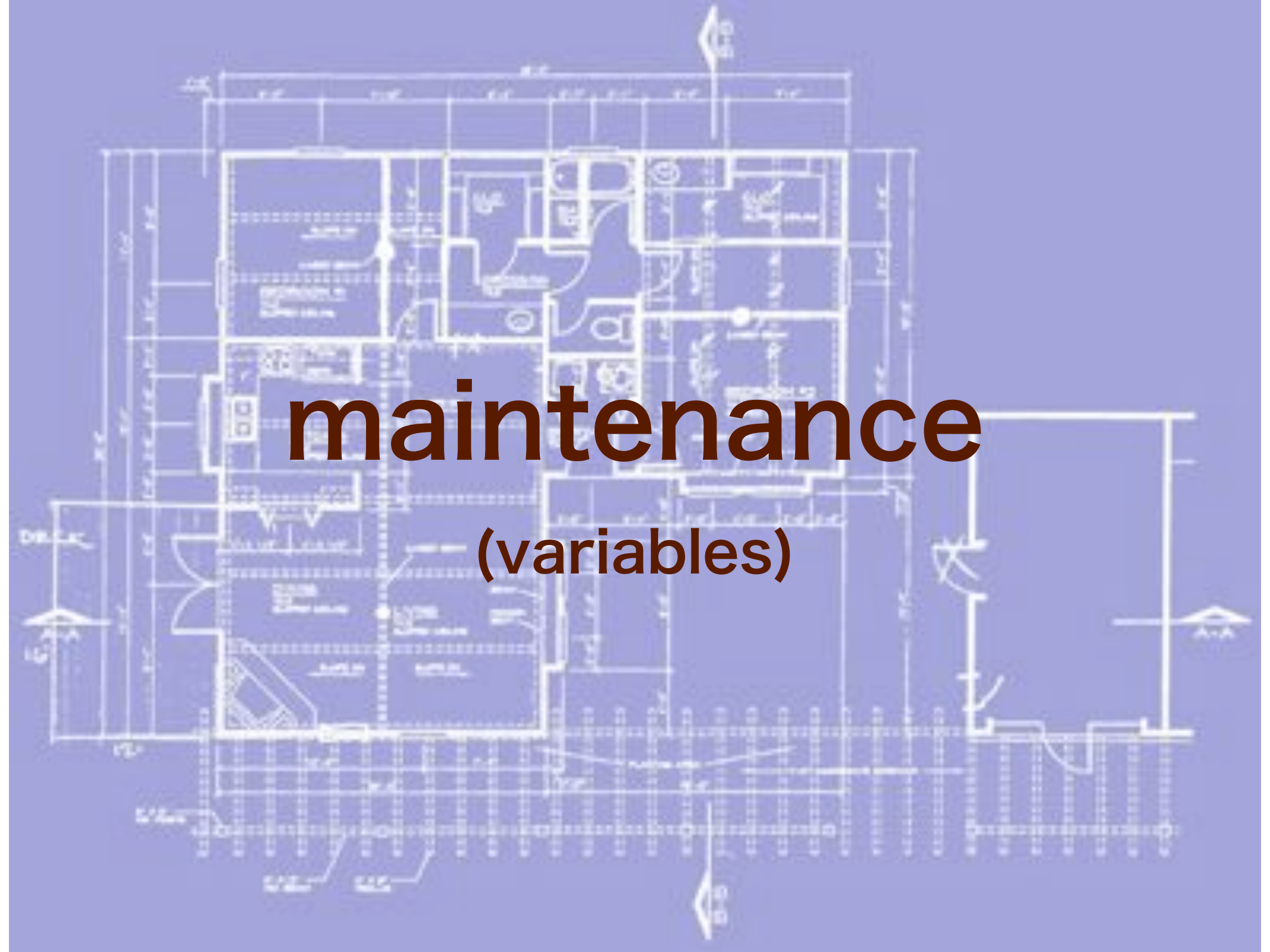
CSS preprocessors



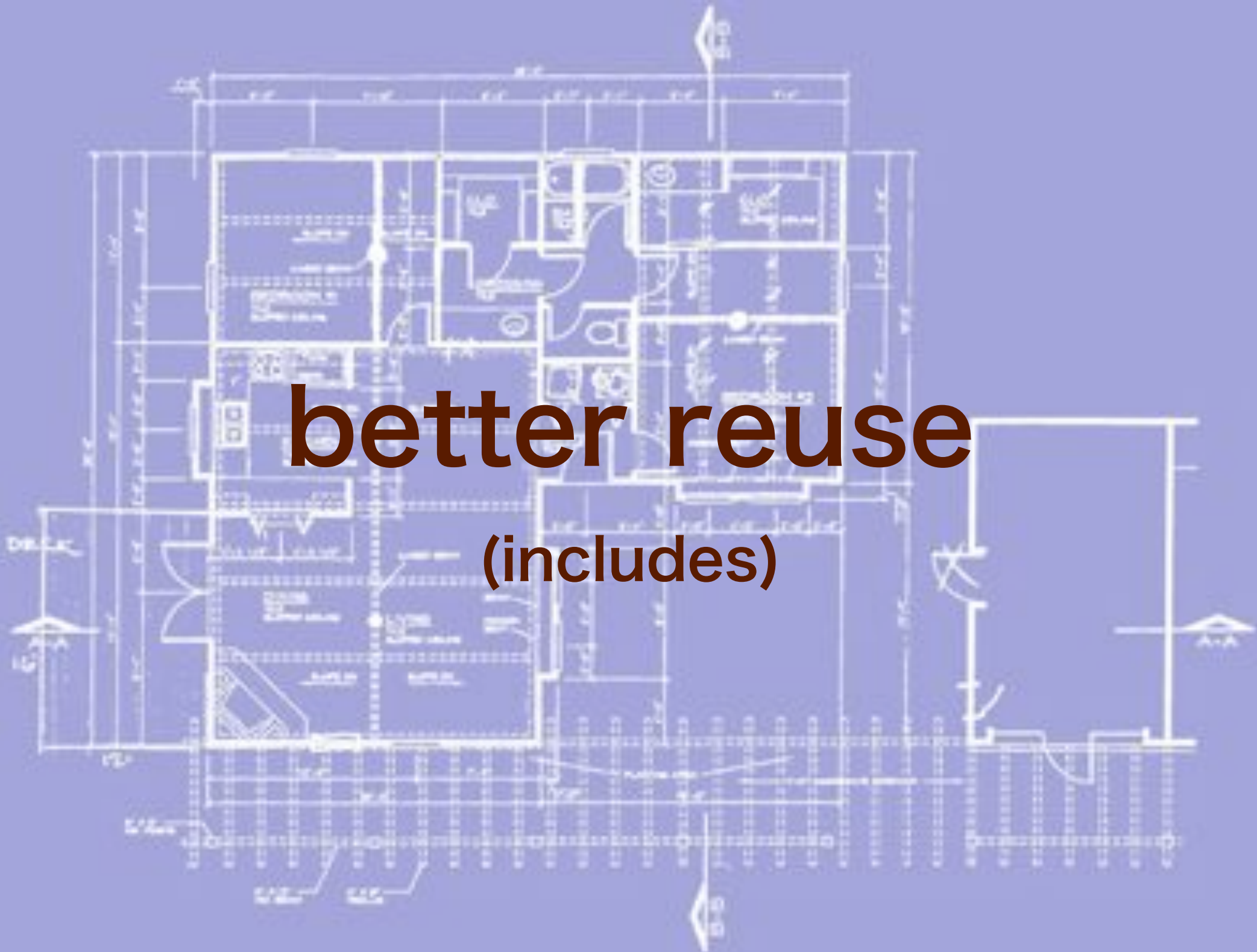
```
1 p {  
2   font: 10px/8px;  
3   font: #{font-size}/#{line-height};  
4   $width: 1000px;  
5   width: $width/2;  
6   height: (500px/2);  
7   margin-left: 5px + 8px/2px;  
8 }
```

SASS (SCSS)





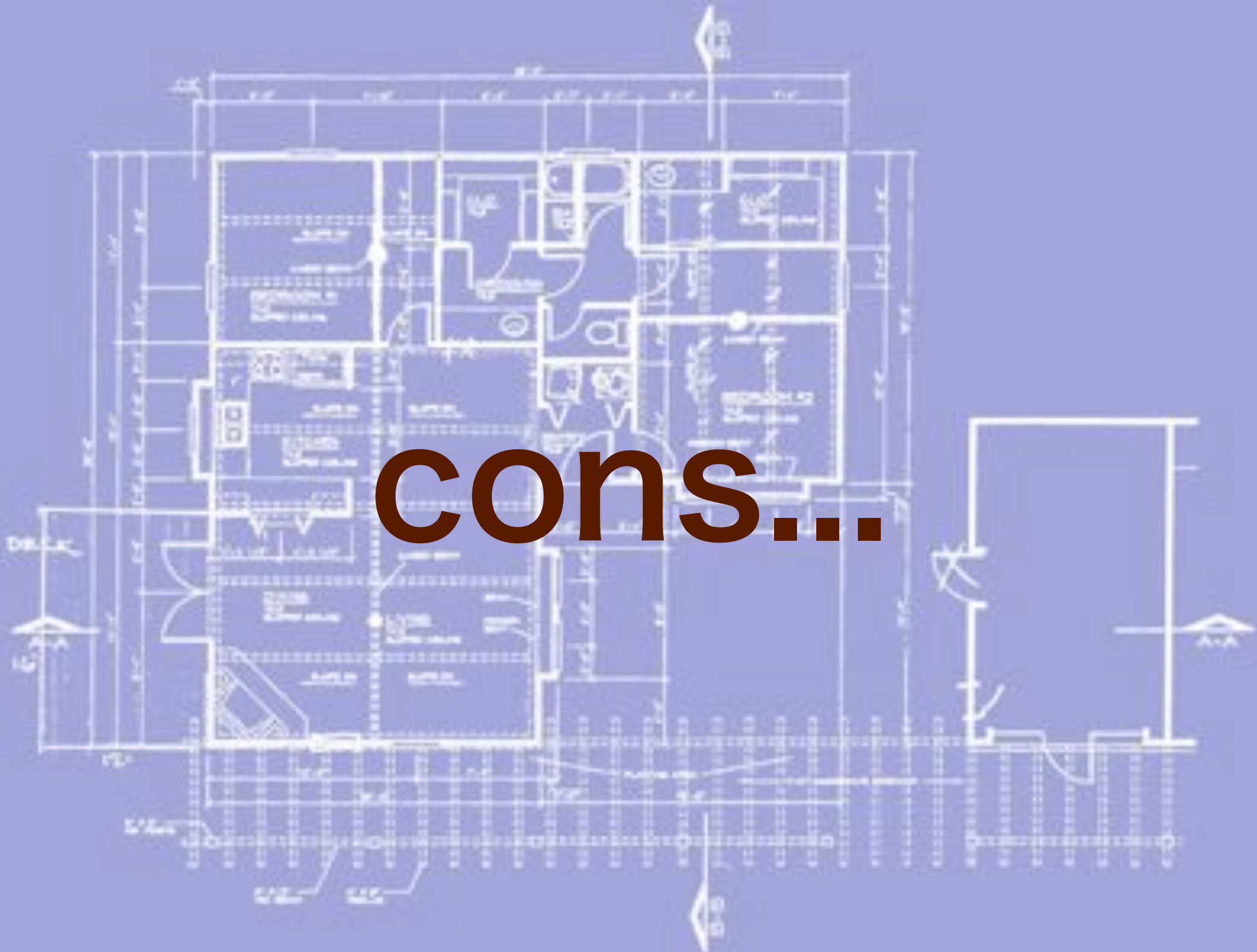
maintenance
(variables)



better reuse
(includes)

The background is a detailed architectural floor plan of a building, likely a school or institutional structure, overlaid on a blue grid. The plan shows various rooms, corridors, and service areas, with dimensions and labels in Chinese characters. A central text overlay reads "less tedious (prefixes, nesting, etc)".

less tedious
(prefixes, nesting, etc)





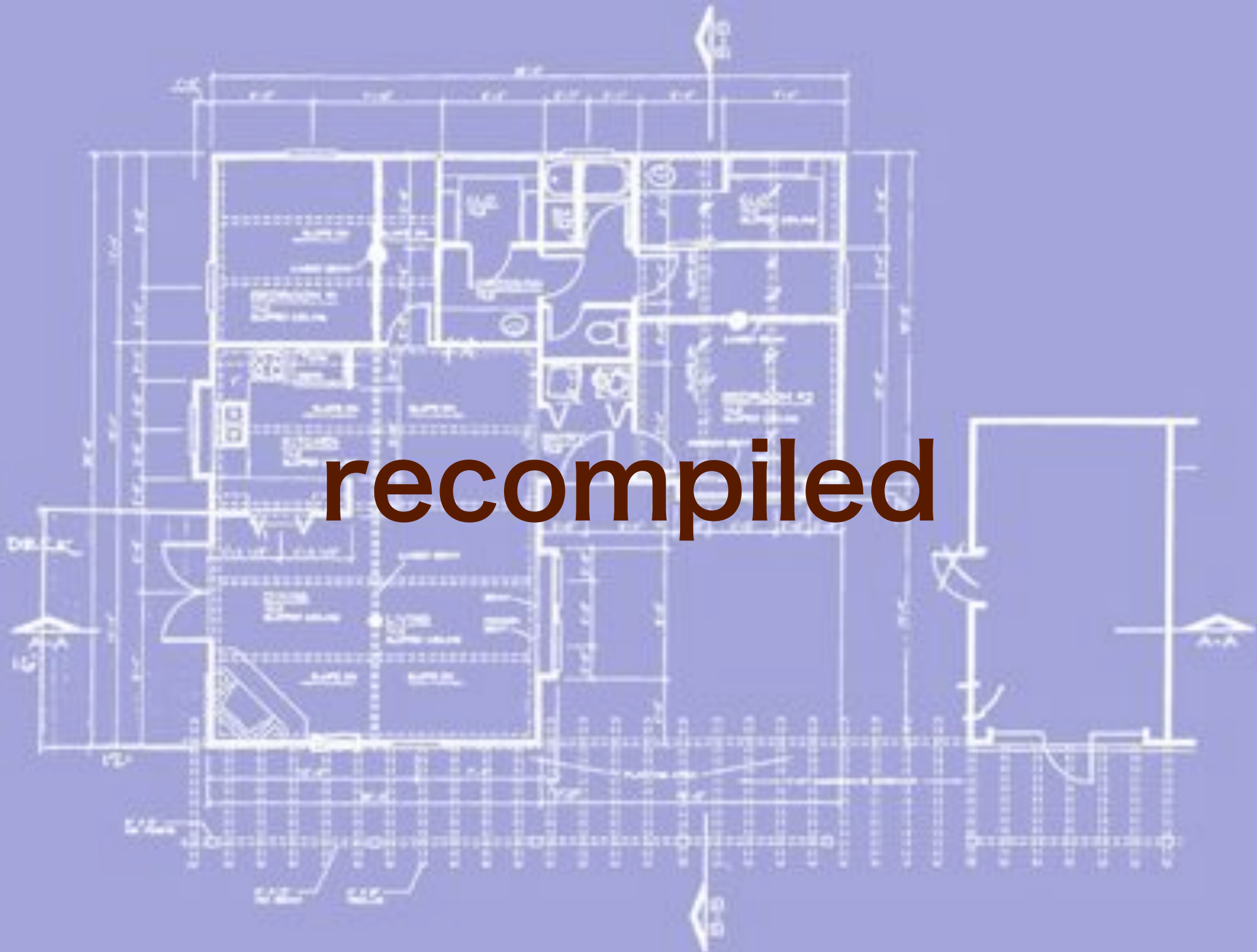
too much logic
(math, business, etc)

The background is a detailed architectural floor plan of a building, likely a school or office, featuring a grid system with dimensions and various rooms labeled. The plan includes a central corridor, several classrooms or offices, and a large open area at the bottom. The text "too much logic" is overlaid in a large, bold, brown font, with "(math, business, etc)" in a smaller, bold, brown font below it. The plan is drawn in white lines on a blue background.



```
1 $translucent-red: rgba(255, 0, 0, 0.5);  
2 p {  
3   color: opacity($translucent-red, 0.3);  
4   background-color: transparentize($translucent-red, 0.25);  
5 }
```





The image shows a detailed architectural floor plan of a building, likely a school or institutional structure, drawn in black lines on a light blue background. The plan includes various rooms such as classrooms, a library, a gymnasium, and administrative offices. A large parking lot is located to the right of the building. A section line A-A is indicated on the right side of the plan. The text "not in JS (stuck on server)" is overlaid in the center of the image.

not in JS
(stuck on server)



Architectural floor plan of a building, likely a residential or institutional structure, showing a central corridor and multiple rooms. The plan includes dimensions, room labels, and a north arrow. The text "build-process only" is overlaid in the center.

**build-process
only**



Ryan Florence

@ryanflorence



Following

is your css preprocessor actually making your app's css more manageable, or is it just allowing you to make the mess more complex?

↩ Reply ↻ Retweet ★ Favorited ➡ More



CSSconf.eu

@CSSconf.eu



Follow

Watch @SlexAxton dissect "the CSS preprocessor digestive track" and learn how preprocessors are "Pooping out CSS": youtu.be/ASBmTysaOdS8

Reply Retweet Favorite More



[CSSconf.eu 2013] Alex Sexton - Pooping out CSS

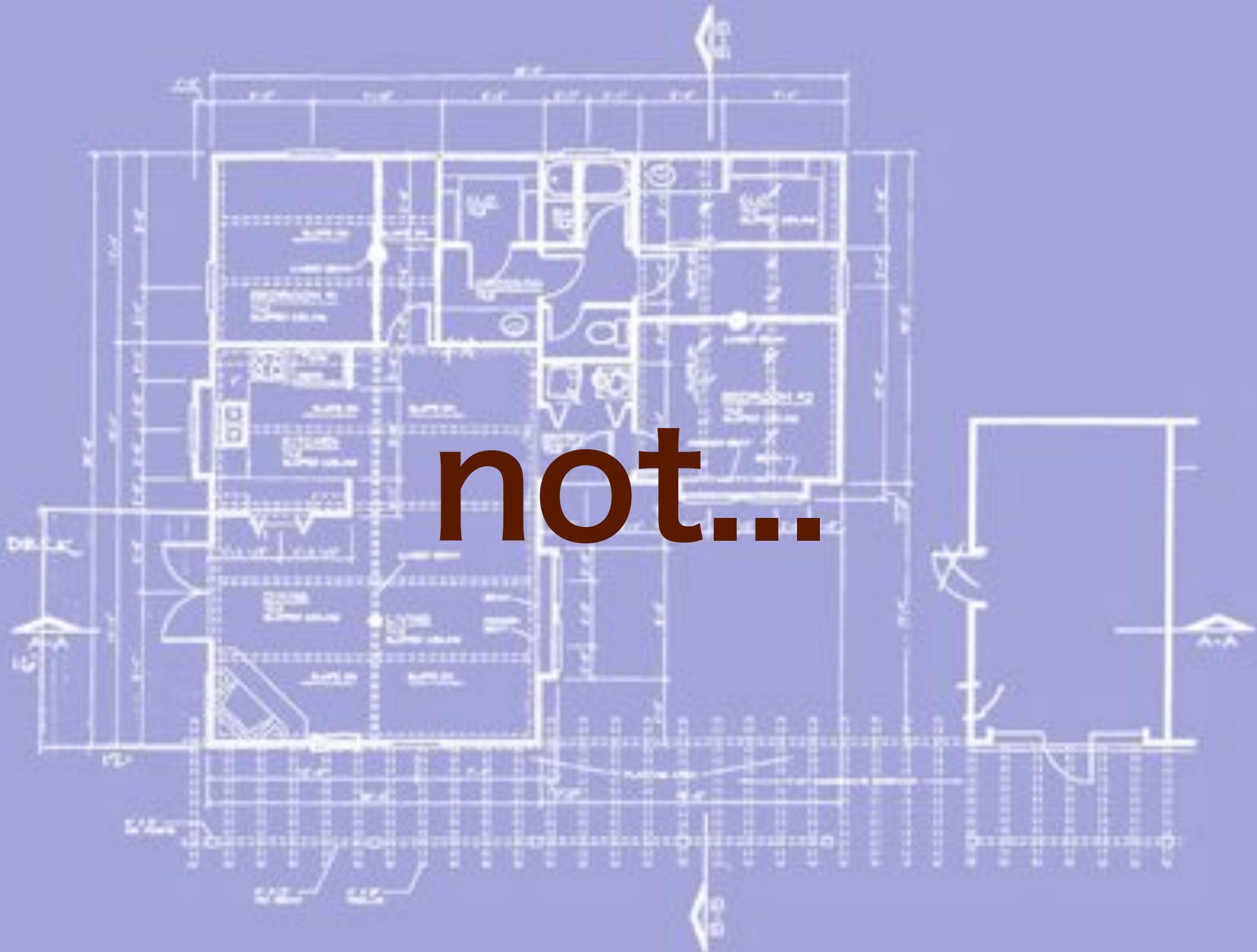



[CSSconf.eu 2013] Alex Sexton - Pooping out CSS

CSSconf.eu - <http://cssconf.eu> - Berlin, September 13, 2013 Slides: <http://alexasexton.com/talks/pooping-out-css> Talk description: "Just about everyone is well..."

The image is a detailed architectural floor plan of a building, likely a school or institutional structure, overlaid on a blue background. The plan features a complex grid system with dimensions and labels. Key areas include a large central hall, several classrooms or lecture halls, a library or study area, and a central corridor. The plan is oriented with a north arrow pointing towards the top right. The text "CSS templating?" is prominently displayed in the center of the image, suggesting a connection between the architectural layout and web design templating.

CSS templating?





```
$ratio = @function $n, $sum {  
  @return (100 / $sum * $n)%;  
};
```


```
$max = 4;  
@for $i in 1..$max {  
  .span-{$i}of{$max} {  
    width: $ratio($i, $max);  
  }  
}
```

```
.span-1of4 {  
  width: 25%;  
}
```

```
.span-2of4 {  
  width: 50%;  
}
```

```
.span-3of4 {  
  width: 75%;  
}
```

```
.span-4of4 {  
  width: 100%;  
}
```





The background of the slide is a detailed architectural floor plan of a building, rendered in white lines on a blue background. The plan shows various rooms, corridors, and structural elements, with some areas labeled with text like 'DR. LAC' and 'A-A'. The overall layout is complex and technical, typical of a professional architectural drawing.

maintenance

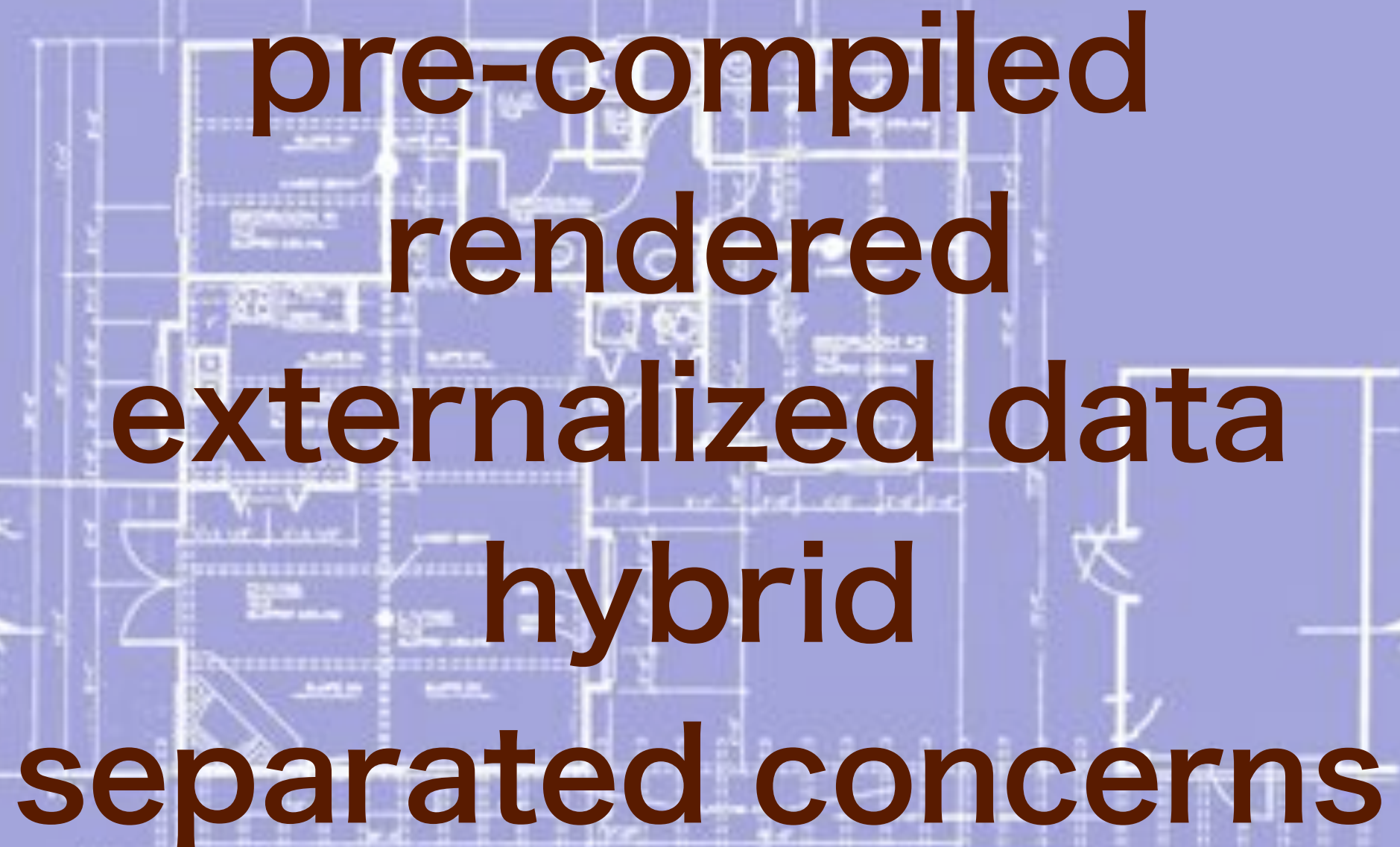
(variables)

better reuse

(includes)

less tedium

(prefixes, nesting, etc)

The background of the slide is a detailed architectural floor plan of a building. It shows various rooms, corridors, and structural elements like walls and doors. The plan is drawn in white lines on a blue background. There are some labels and dimensions visible, but they are small and difficult to read. The overall layout is complex and typical of a professional architectural drawing.

**pre-compiled
rendered
externalized data
hybrid
separated concerns**

The background of the slide is a detailed architectural floor plan of a building. It shows various rooms, corridors, and structural elements like walls and doors. The plan is drawn in white lines on a blue background. There are several north arrows and dimension lines throughout the drawing. The text is overlaid on the central part of the plan.

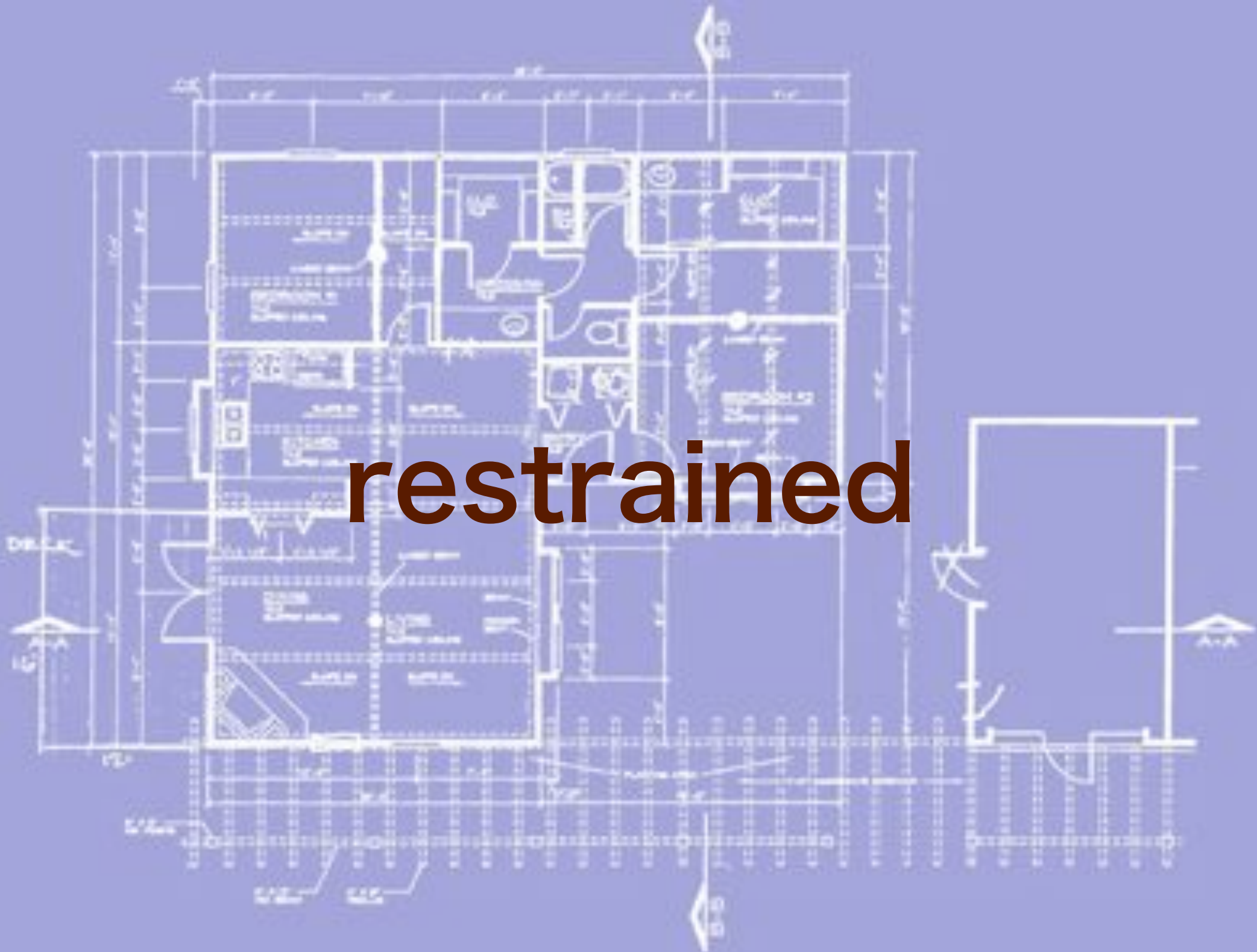
HTML templating

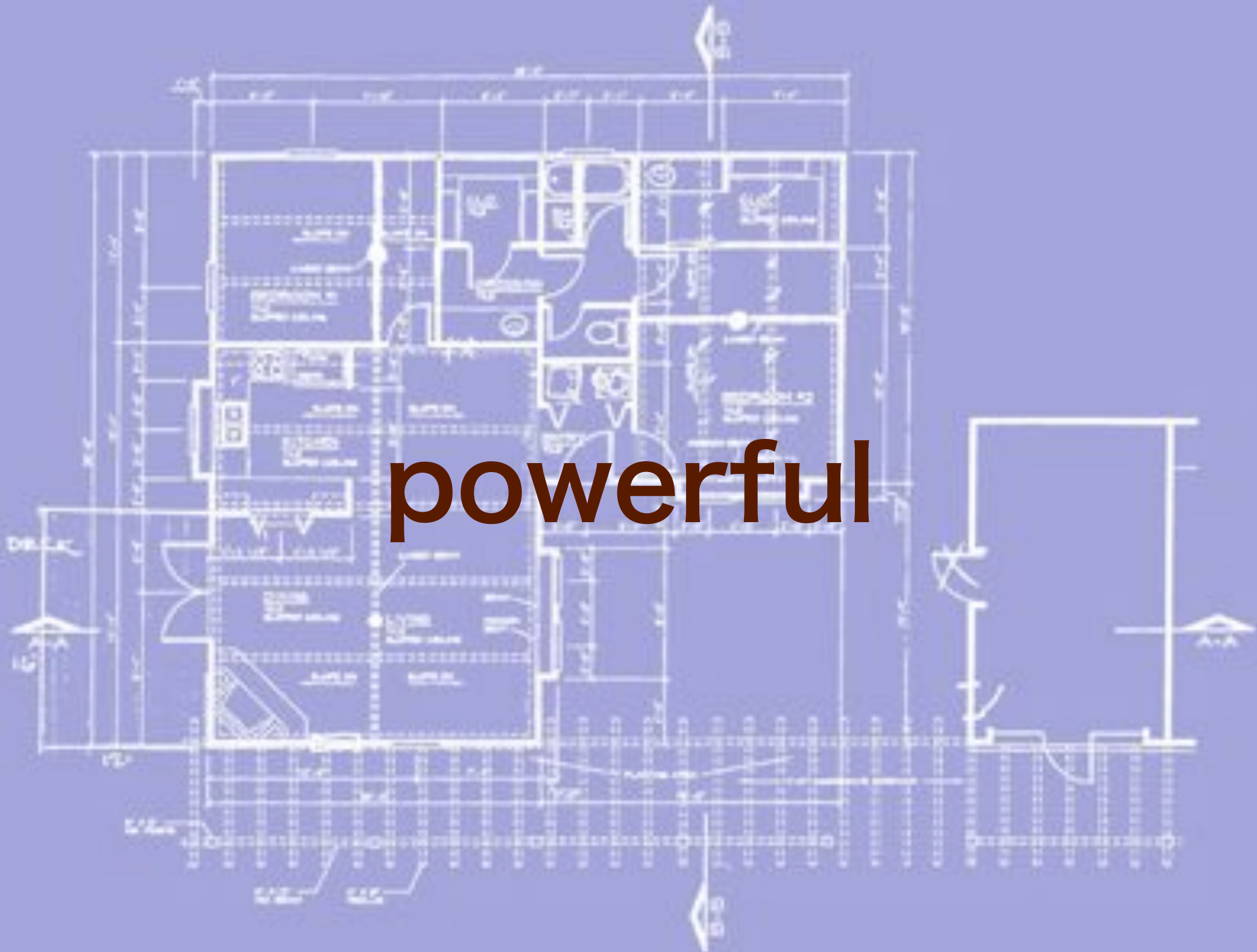
==


CSS templating



just enough (logic)

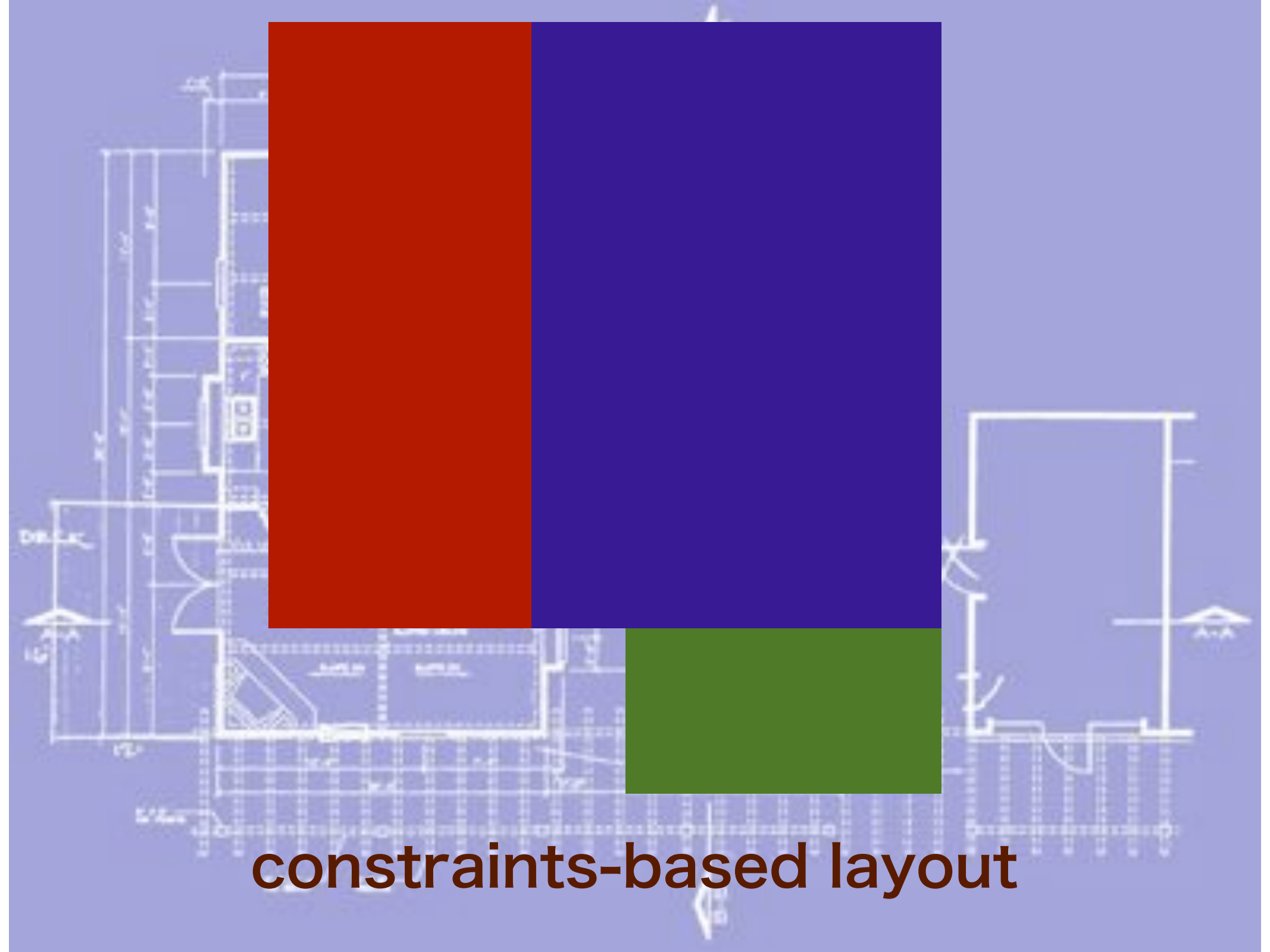




The background is a detailed architectural floor plan of a building, likely a school or institutional structure. It features a grid system with horizontal and vertical lines. Various rooms are labeled, including 'CLASS', 'LABORATORY', 'OFFICE', 'RESTROOM', and 'STORAGE'. There are also numerous dimension lines and annotations throughout the plan. The text 'better CSS authoring & maintenance' is overlaid in the center in a large, bold, brown font.

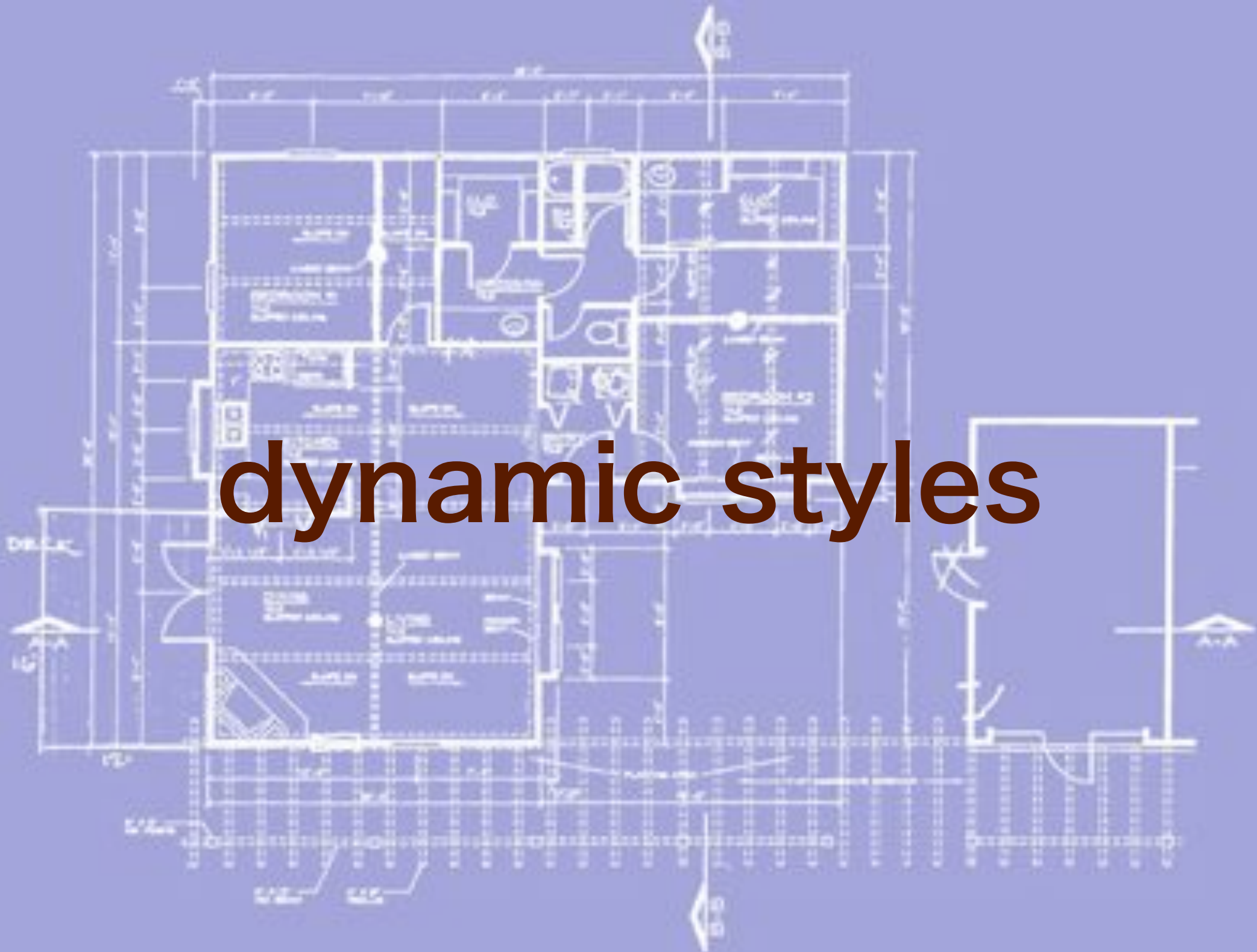
**better CSS
authoring &
maintenance**



The background is a light blue architectural drawing. It features a floor plan on the left with various rooms, doors, and windows, accompanied by dimension lines and labels. On the right, there is a vertical cross-section labeled 'A-A' showing the internal structure of a wall or partition. Overlaid on this drawing are three large, solid-colored rectangles: a red one on the left, a blue one on the right, and a green one at the bottom center.

constraints-based layout

dynamic styles





```
1 $newimg.css({  
2   "background-image": "url("+newimgsrc+")",  
3   position: "absolute",  
4   height: "75px",  
5   width: "200px",  
6   top: "58px",  
7   right: "2px"  
8 });
```



The image shows a code snippet for a CSS class named `$newimg.css`. The code is set against a black background with yellow and red text. A large red 'X' is drawn over the code, indicating it is incorrect or deprecated. The code defines a background image, position, height, width, top, and right for an absolute element. The background of the slide features a faint architectural floor plan of a building with various rooms and dimensions.



The image shows a detailed architectural floor plan of a building, likely a school or institutional structure, overlaid on a blue background. The plan features a grid system with dimensions and various rooms labeled in Chinese. Key areas include classrooms, a library, a cafeteria, and administrative offices. The text "tailored vendor prefix" is superimposed in the center of the plan.

**tailored
vendor prefix**



The background is a detailed architectural floor plan of a building, likely a school or office, featuring a grid system with dimensions. The plan includes various rooms such as classrooms, a library, a gymnasium, and administrative offices. The text "client-side A/B testing" is overlaid in the center of the plan.

**client-side
A/B testing**



A detailed architectural floor plan of a building, likely a school or institutional structure, featuring a central corridor and multiple rooms. The plan includes various rooms such as classrooms, a library, a cafeteria, and administrative offices. The layout is symmetrical, with a central corridor running horizontally. The text "responsive design" is overlaid in a large, bold, black font across the center of the plan. The plan also includes dimensions, room numbers, and a north arrow.

responsive design



The background is a detailed architectural floor plan of a building, likely a school or institutional structure, overlaid on a blue grid. The plan shows various rooms, corridors, and service areas, with labels in Chinese characters. Key areas include a large central hall, several classrooms or lecture halls, a library or study area, and a kitchen. The plan is oriented with a north arrow pointing towards the top right. The text "client-specific CSS" is superimposed over the central part of the plan.

**client-specific
CSS**

A detailed architectural floor plan of a building, likely a school or office, with various rooms, corridors, and structural elements. The plan is overlaid with a grid and includes dimensions and labels. The text "CSS templating" is superimposed on the upper half of the plan.

CSS templating


grips-css

<https://gist.github.com/getify/4219122>



The image shows a detailed architectural floor plan of a building, overlaid on a blue background. The plan features a grid system with dimensions and various rooms labeled in Chinese. The text "simple, CSS like" is written in a large, bold, black font, and "(LESS-like)" is written in a smaller, bold, black font below it. The plan includes a central corridor, several rooms, and a staircase. The text is centered over the plan.


simple, CSS like
(LESS-like)

A detailed architectural floor plan of a building, likely a school or office, is shown in a light blue, semi-transparent style. The plan includes various rooms, corridors, and structural elements like walls and doors. Dimensions and labels are visible throughout the drawing. Overlaid on this background is the text 'CSS temptations: math, color operations, etc' in a bold, dark brown font.

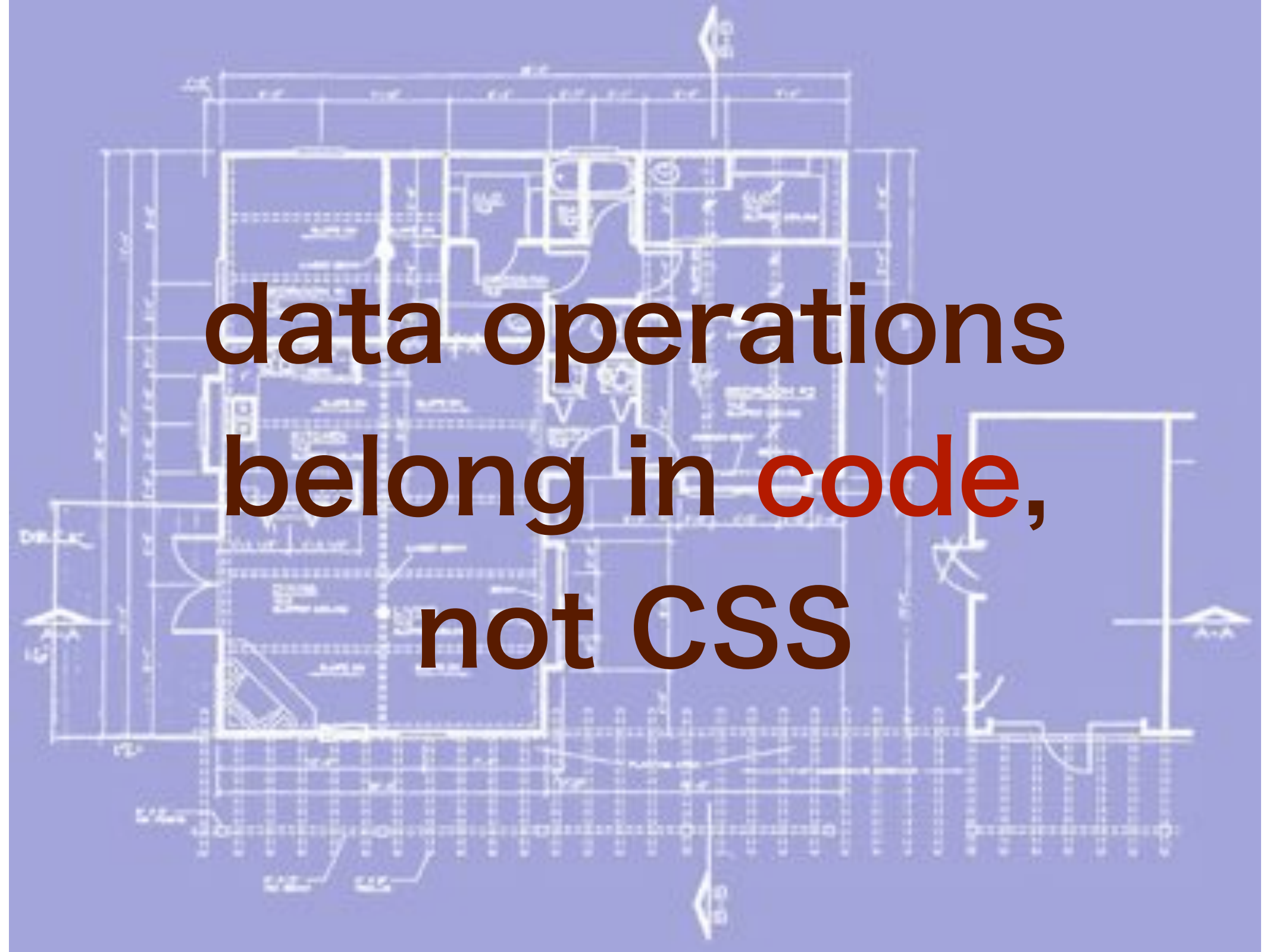
**CSS temptations:
math, color
operations, etc**



**such CSS logic is
really just data
operations**

The background is a detailed architectural floor plan of a building, likely a school or institutional structure, overlaid on a blue grid. The plan shows various rooms, corridors, and service areas. Section lines A-A and B-B are indicated with arrows. The text 'data should be' is in brown, and 'outside CSS' is in red, both in a large, bold, sans-serif font.

**data should be
outside CSS**

The background is a detailed architectural floor plan of a building, rendered in white lines on a blue background. The plan shows various rooms, corridors, and structural elements. Dimensions are indicated with numbers and lines. There are also some labels in Chinese characters. The plan is oriented with a north arrow pointing towards the top right.

**data operations
belong in code,
not CSS**

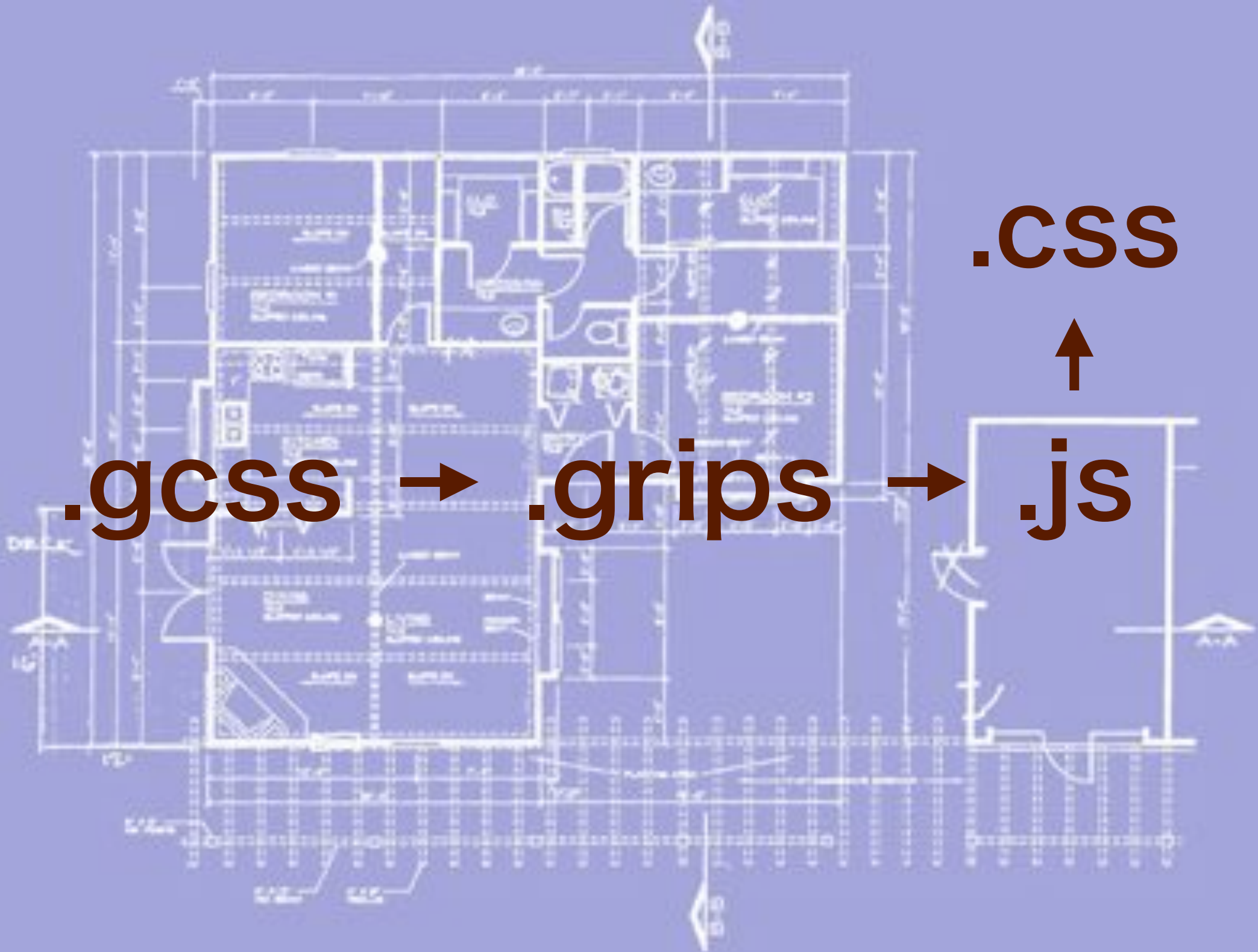
The background is a detailed architectural floor plan of a building, overlaid on a blue grid. The plan shows various rooms, corridors, and structural elements. Section lines A-A and B-B are indicated with arrows. The text "structural logic belongs in CSS" is centered over the plan in a large, bold, brown font.

**structural logic
belongs in CSS**

```
1 @import "baz.gcss";
2
3 #bam {
4     padding: =bop;
5 }
6
7 .foo (bar:1px) {
8     .baz;
9     #bam|bop:3px;
10    *transition: left 1s;
11    color: red;
12    .bip {
13        border: =bar solid #000;
14    }
15 }
```

```
1  css = grips.css.render(".foo");
2
3  // later
4
5  css = grips.css.render(".foo",{
6      bar: "3px"
7  });
8
9  // later
10
11  css = grips.css.render("#bam",{
12      bop: "5px"
13  });
```

rule-sets as template partials



.gcss



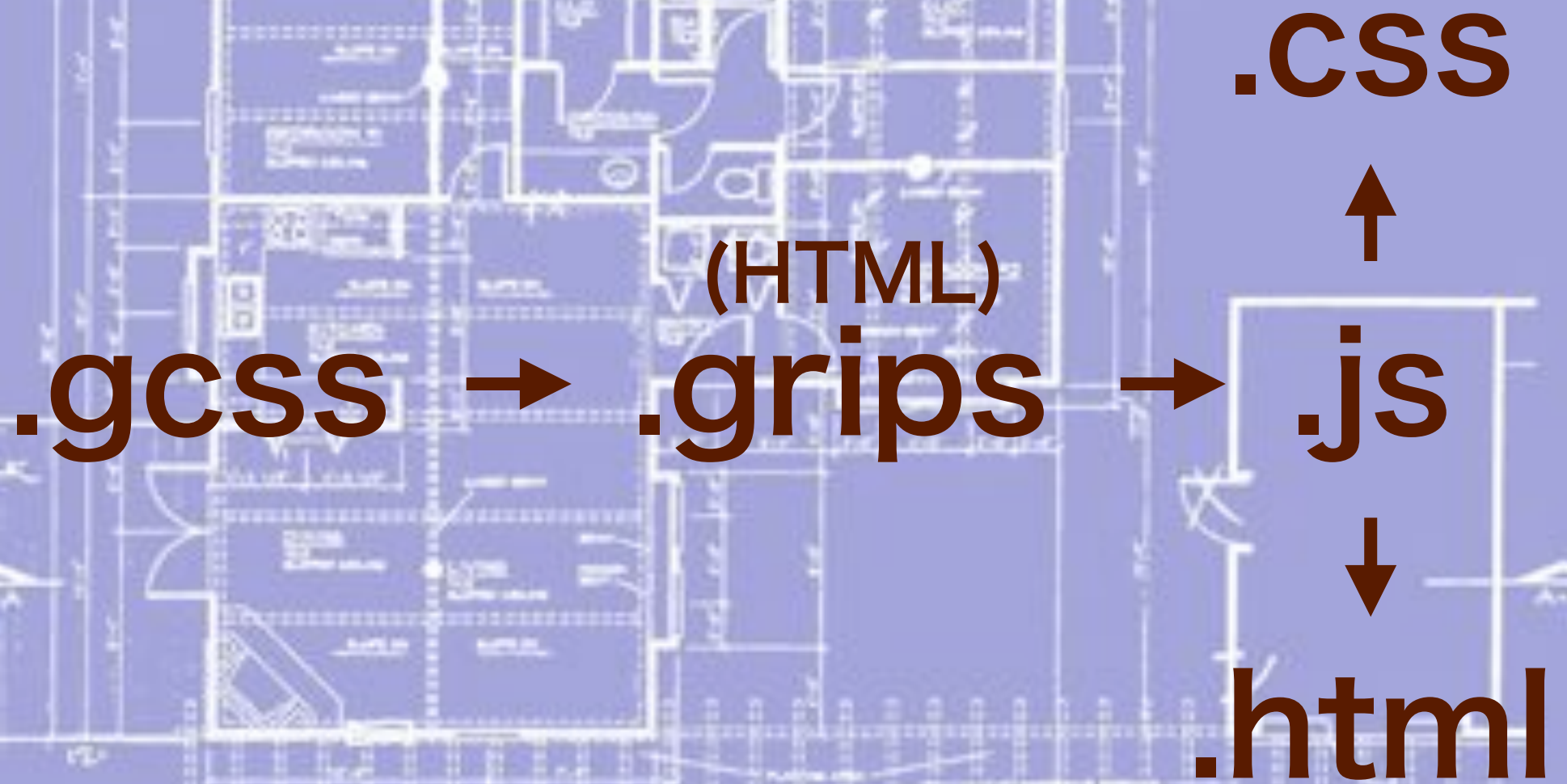
.grips



.js



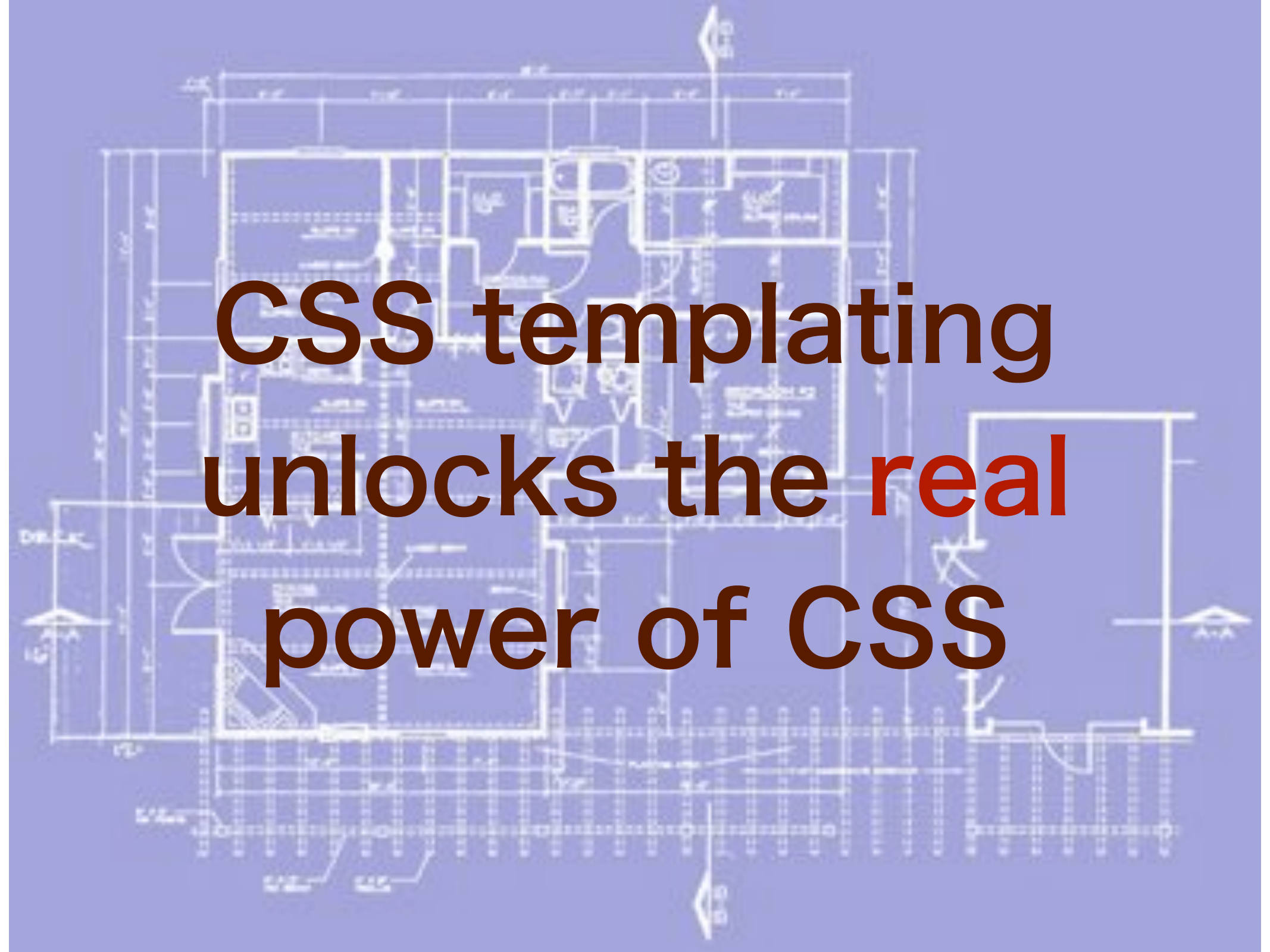
.css



unified tool chain

The background is a detailed architectural floor plan of a building, overlaid on a blue grid. The plan shows various rooms, corridors, and structural elements. Dimensions are marked along the top and left edges. A north arrow is located at the top center, and a section line 'A-A' is on the right side. The text 'grips-css is just an early experiment' is centered over the plan in a large, bold, brown font.

**grips-css is just an
early experiment**

The background of the slide is a detailed architectural floor plan of a building, rendered in white lines on a blue background. The plan shows various rooms, corridors, and structural elements, with some areas highlighted in yellow. The text is overlaid on the central part of the plan.

**CSS templating
unlocks the real
power of CSS**



#thanks

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<http://getify.me>
@getify