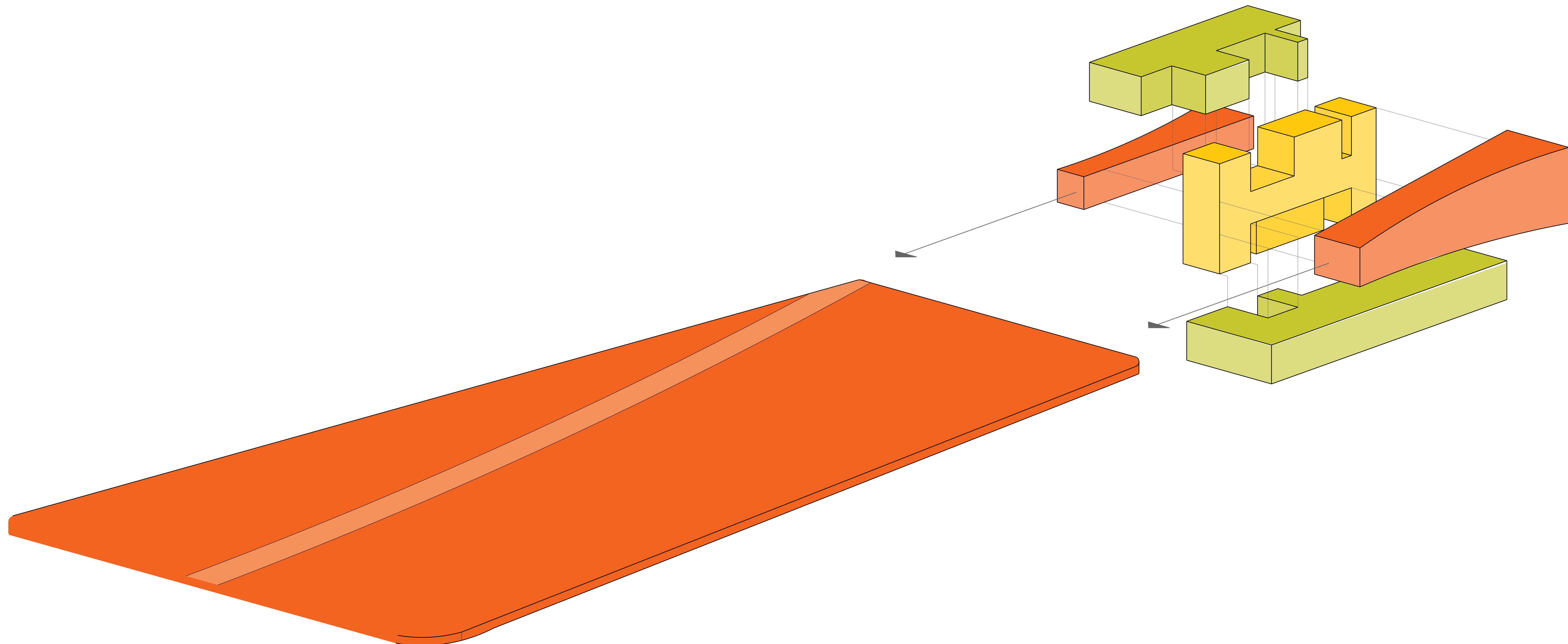


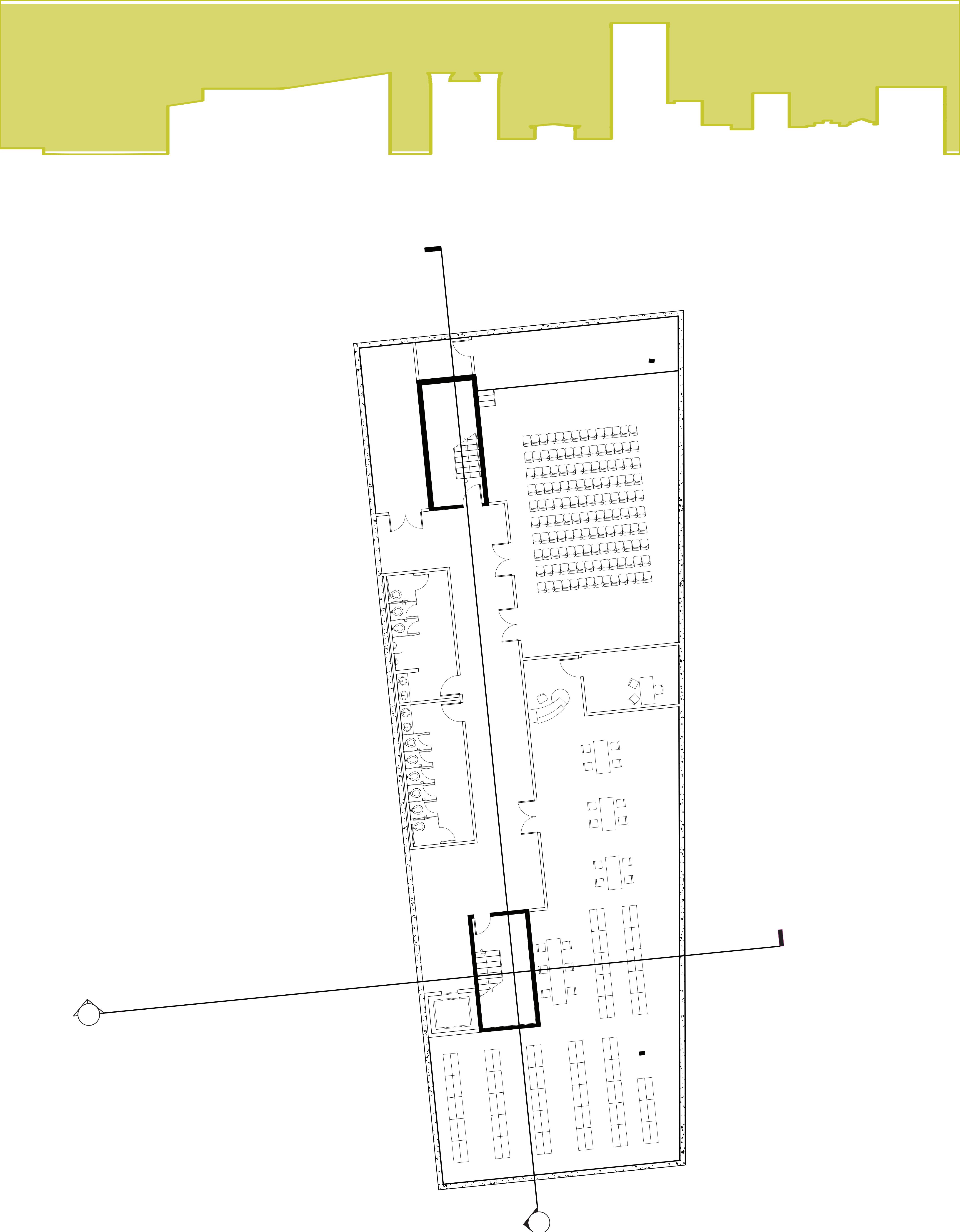
# library context plan

bryan public library  
michael rodriguez  
aaron trecartin



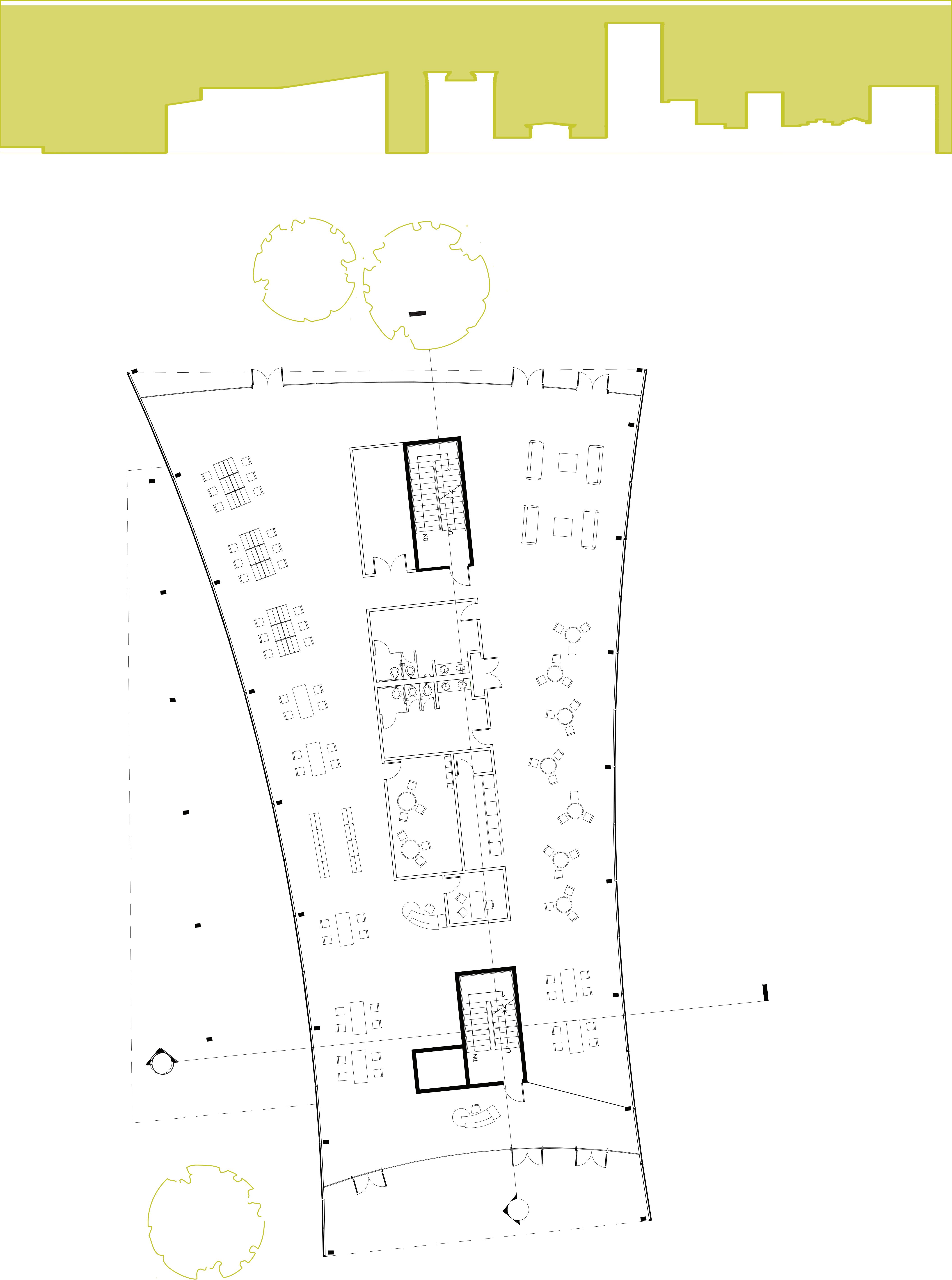
# spatial axonometric

bryan public library  
michael rodriguez  
aaron trecartin



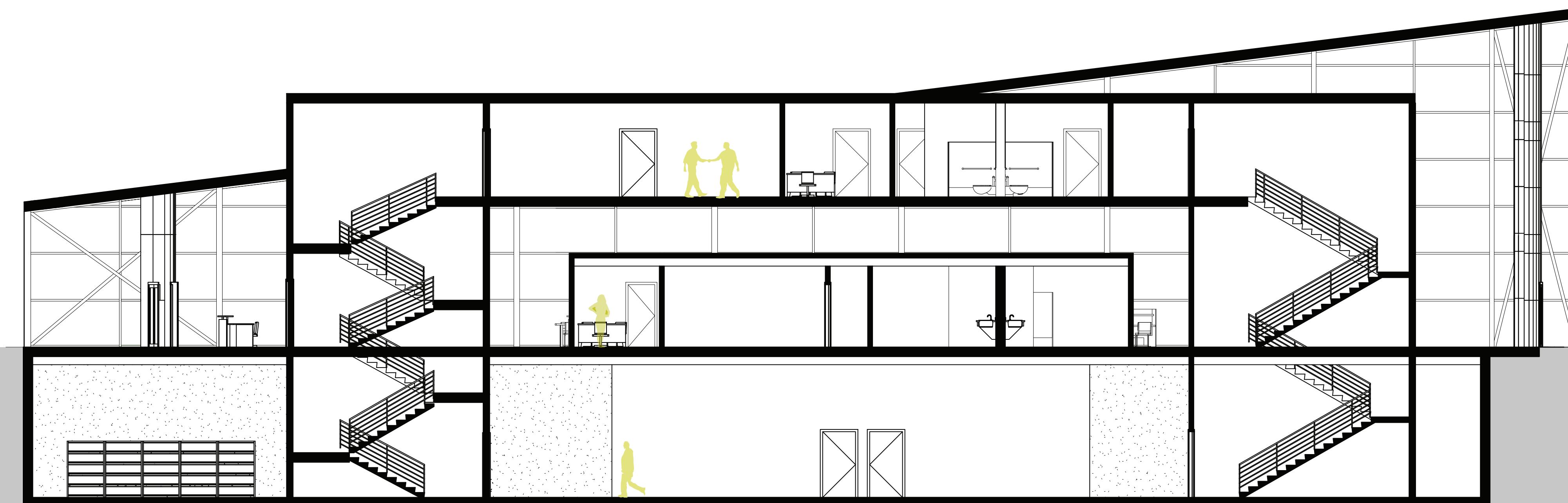
# floor -1 architectural

↑  
n 1/8"= 1'  
bryan public library  
michael rodriguez  
aaron trecartin



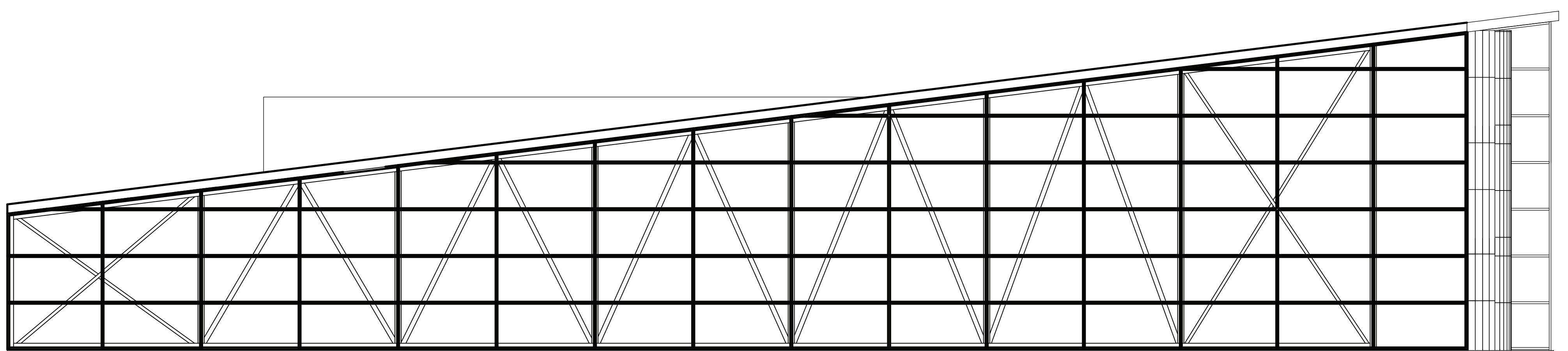
# floor 1 architectural

↑  
n 1/8" = 1'  
bryan public library  
michael rodriguez  
aaron trecartin

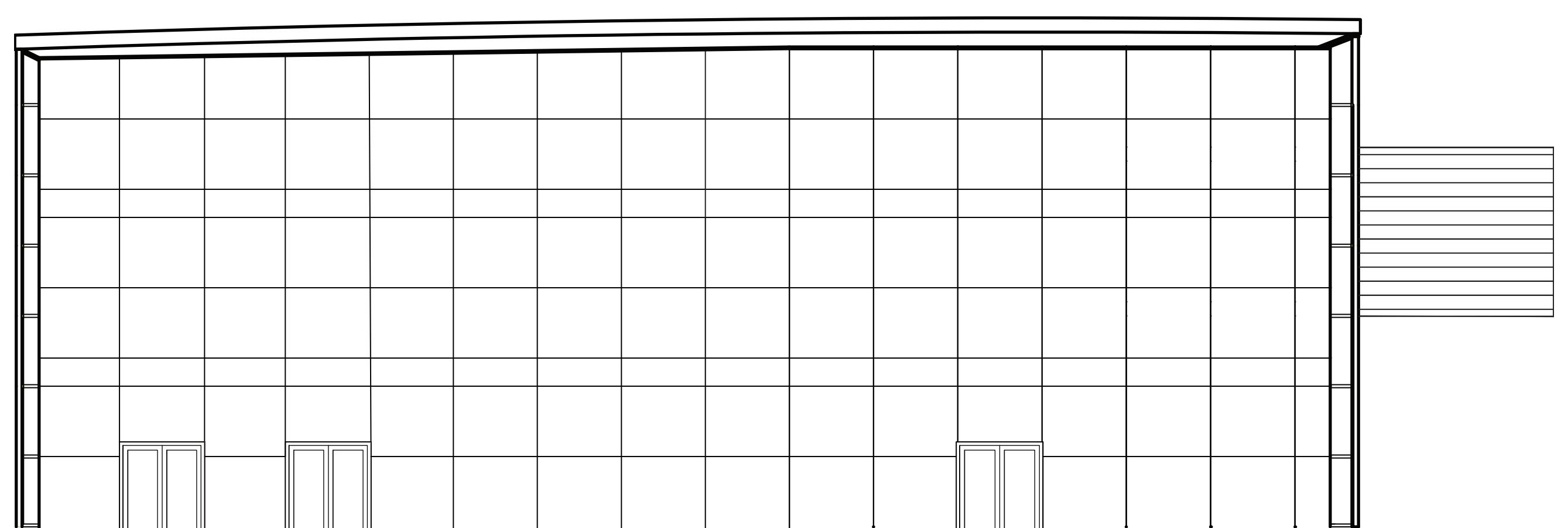


# longitudinal section

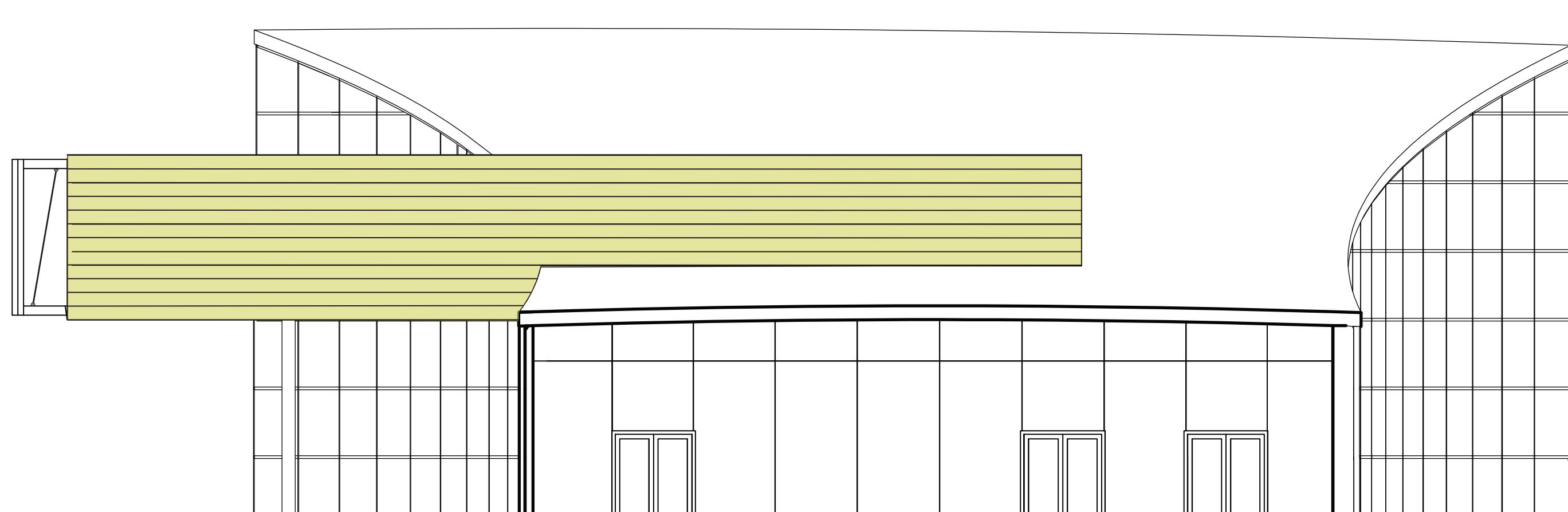
1/8"=1'  
bryan public library  
michael rodriguez  
aaron trecartin



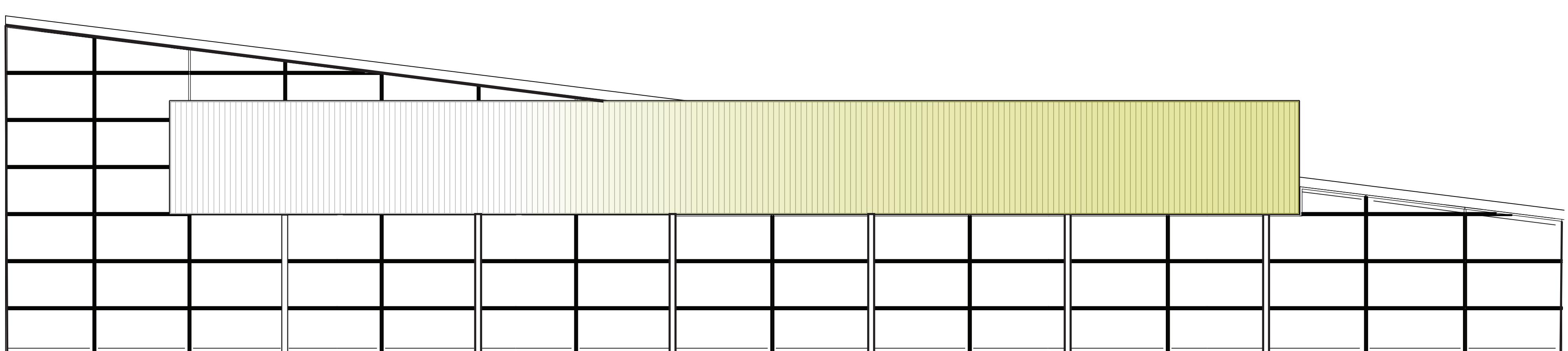
east elevation  $1/8'' = 1'$



north elevation  $1/8'' = 1'$



south elevation  $1/8'' = 1'$



west elevation  $1/8'' = 1'$

# exterior elevations

bryan public library  
michael rodriguez  
aaron trecartin

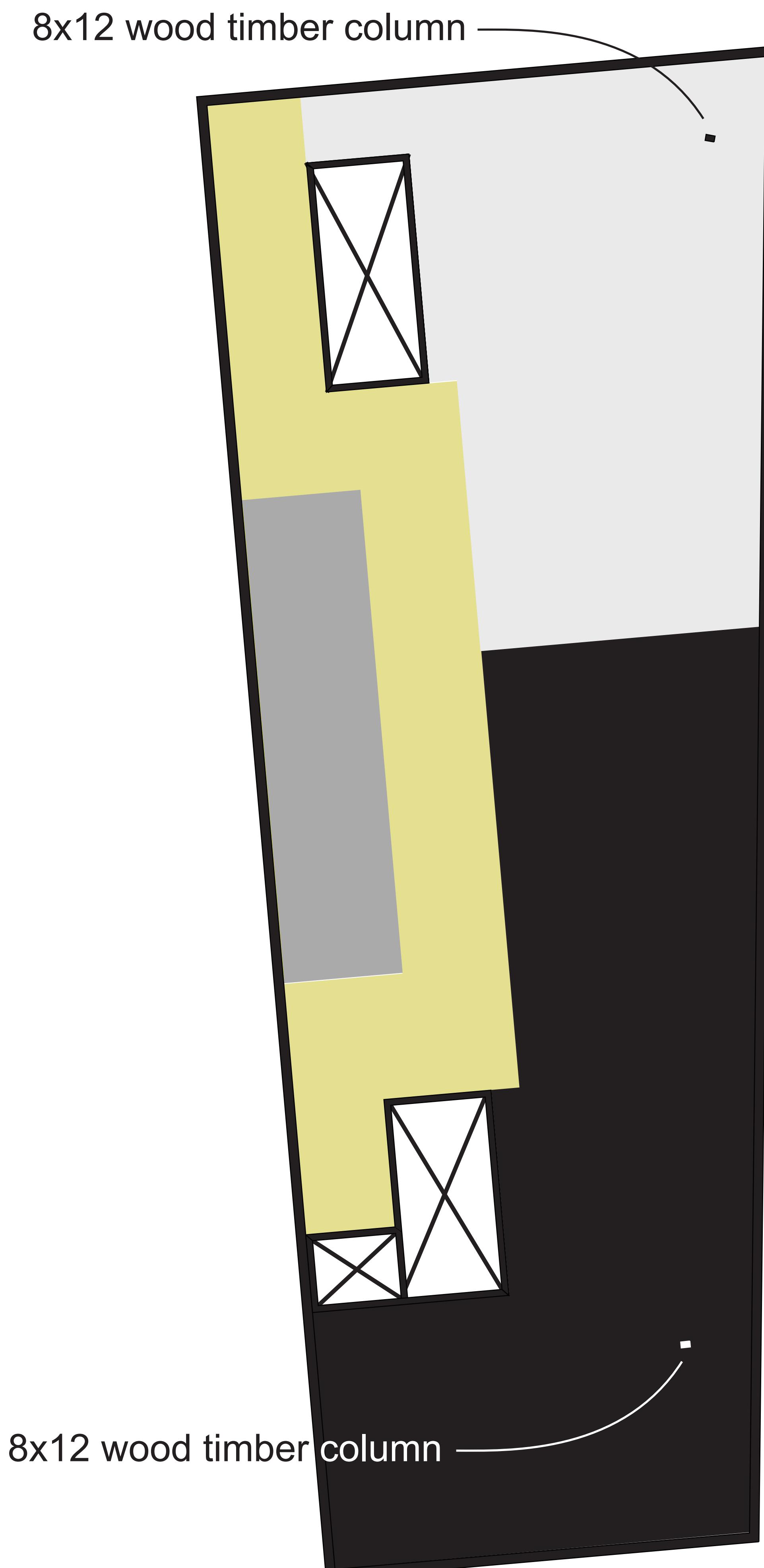
## live loads

150 lb / square foot

100 lb / square foot

60 lb / square foot

50 lb / square foot



## live loads

150 lb / square foot

100 lb / square foot

60 lb / square foot

50 lb / square foot

8x12 wood timber column

Kalwall mullion

w12 structural floor beam

# floor 1 structural

bryan public library  
michael rodriguez  
aaron trecartin

# live loads

150 lb / square foot

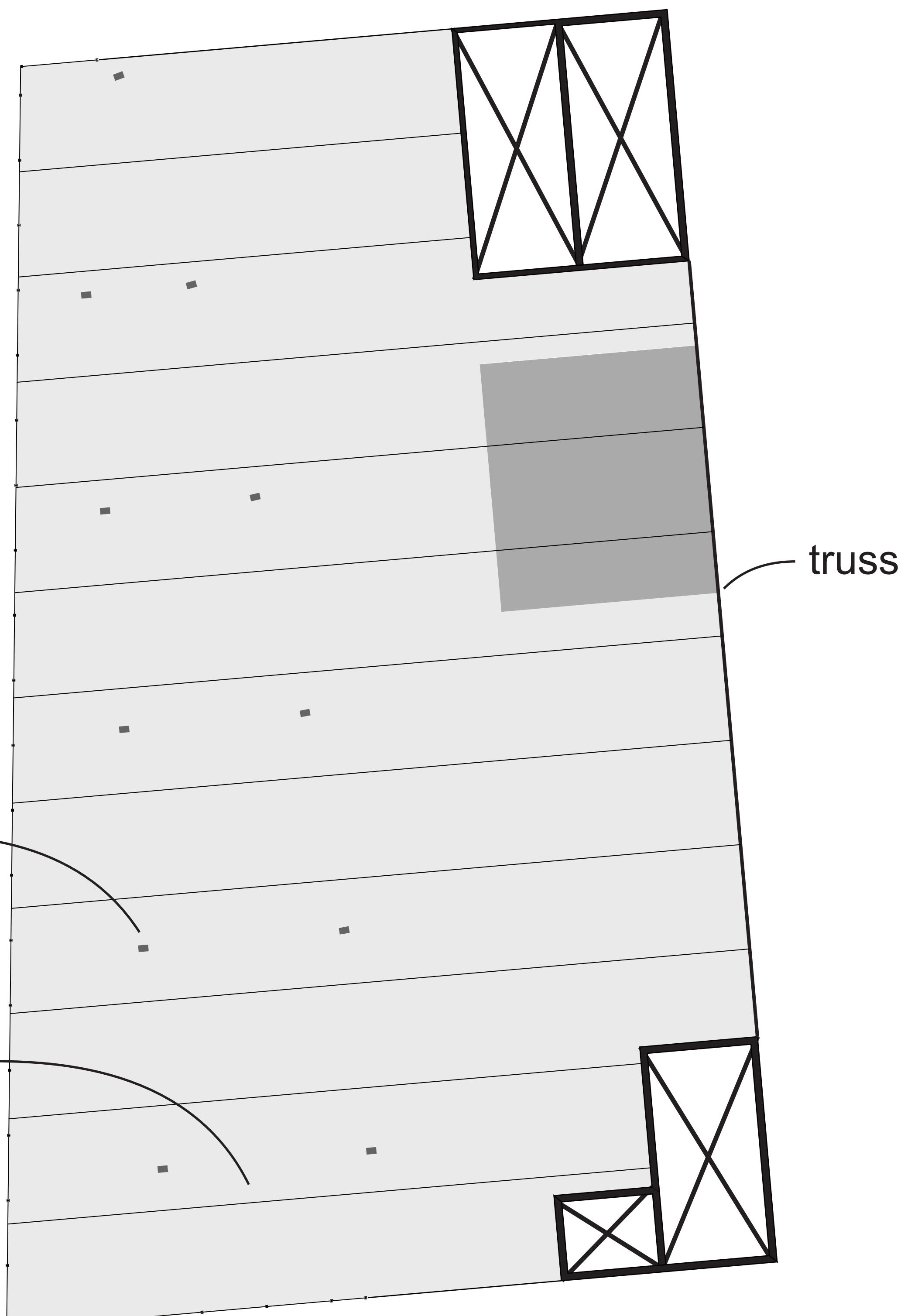
100 lb / square foot

60 lb / square foot

50 lb / square foot

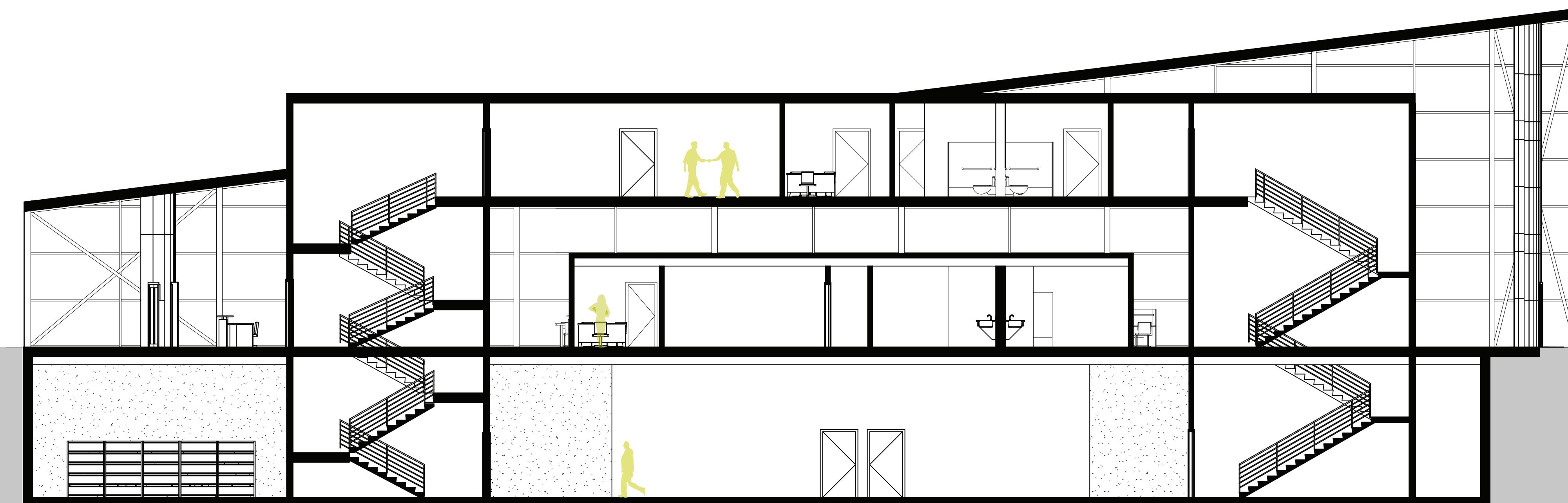
8x12 wood timber column

w12 steel structural floor beam



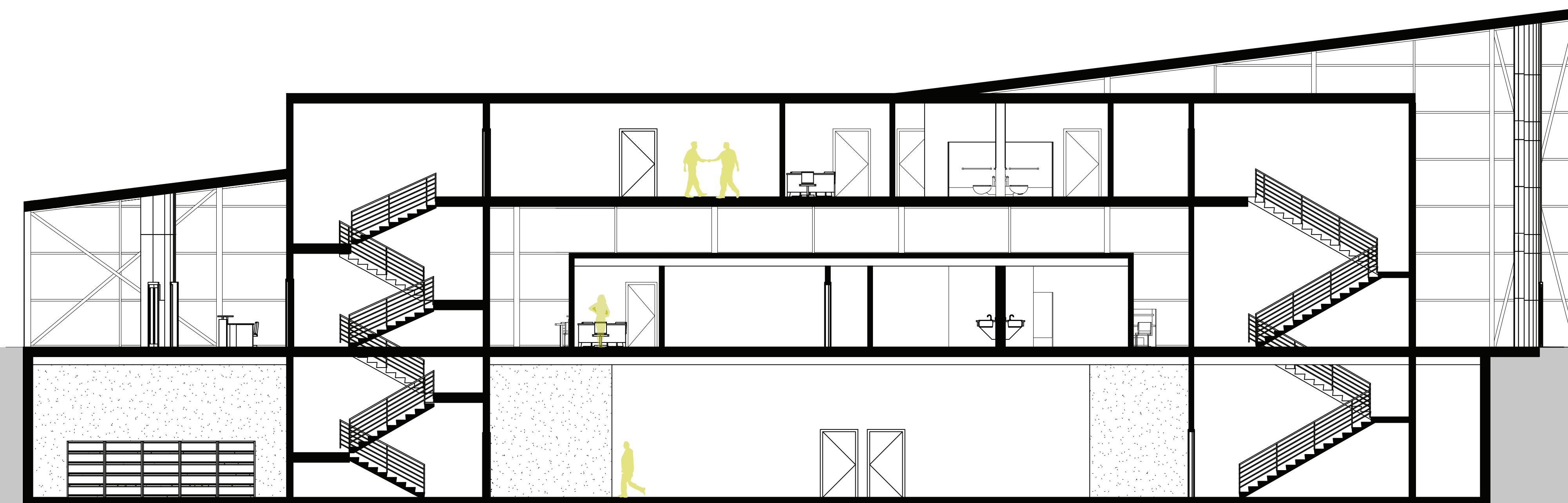
# floor 2 structural

bryan public library  
michael rodriguez  
aaron trecartin



# longitudinal section

1/8"=1'  
bryan public library  
michael rodriguez  
aaron trecartin



# transverse section

1/8"=1'  
bryan public library  
michael rodriguez  
aaron trecartin

# kalwall

Diffused natural daylight exchanges the ambience of interior and has been proven to have a positive influence on personal well being, working and learning.

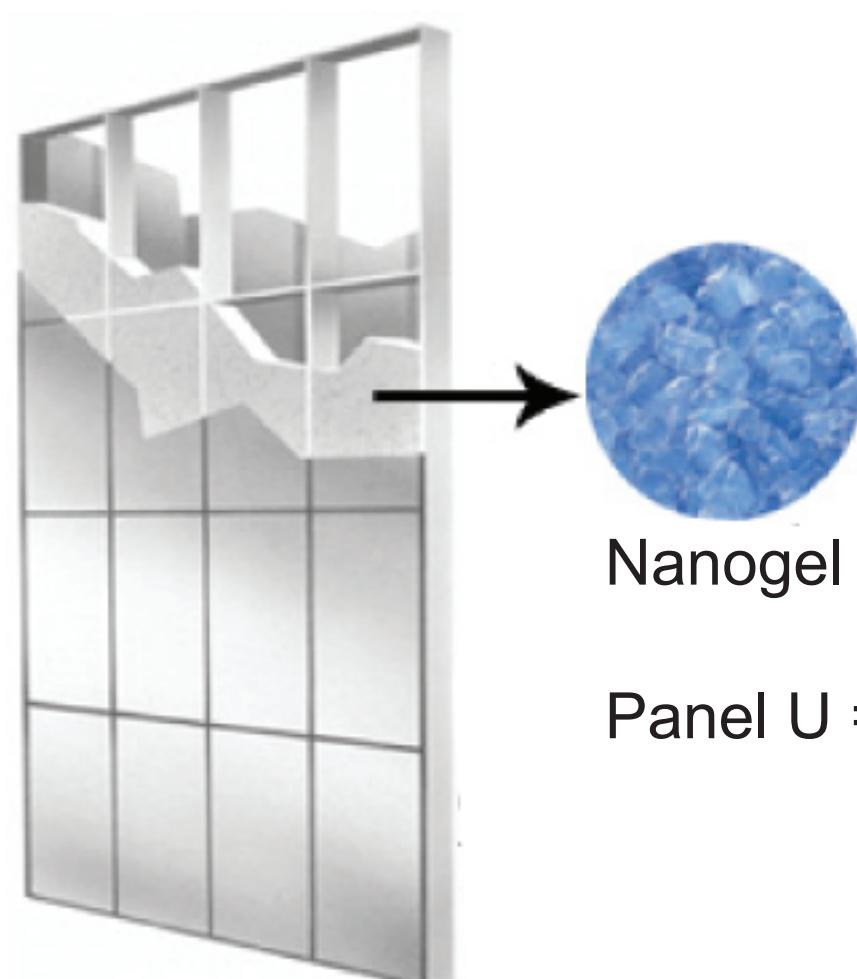
## benefits

- diffuse museum quality daylighting
- eliminate harsh lighting constraints
- improve sound insulation
- reduce energy cost for air conditioning, heating, and artificial lighting
- resist condensation to prohibit growth of mold and residue

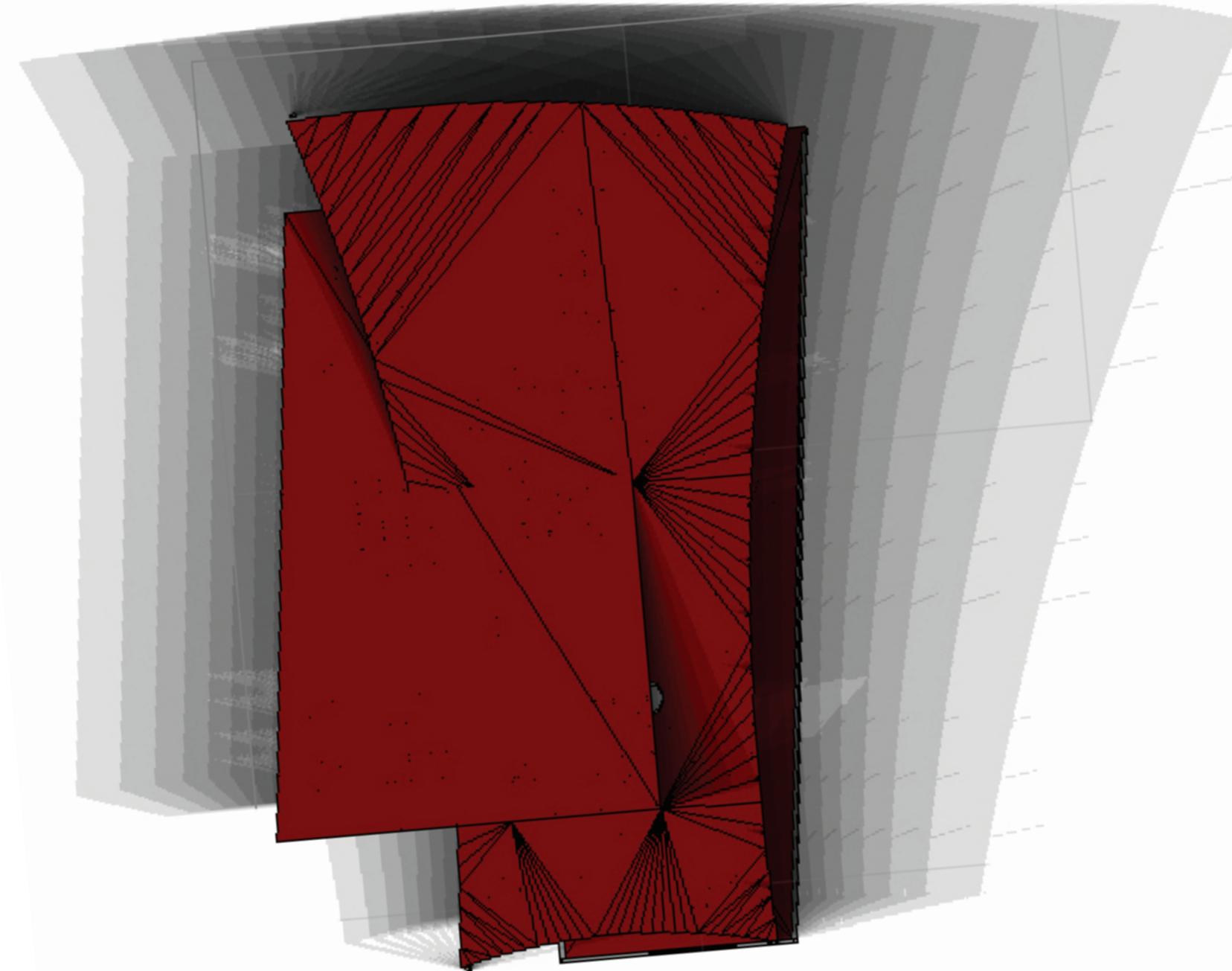
## dimensions

4feetx12feetx2 3/4 inches  
5feetx10feetx2 3/4 inches

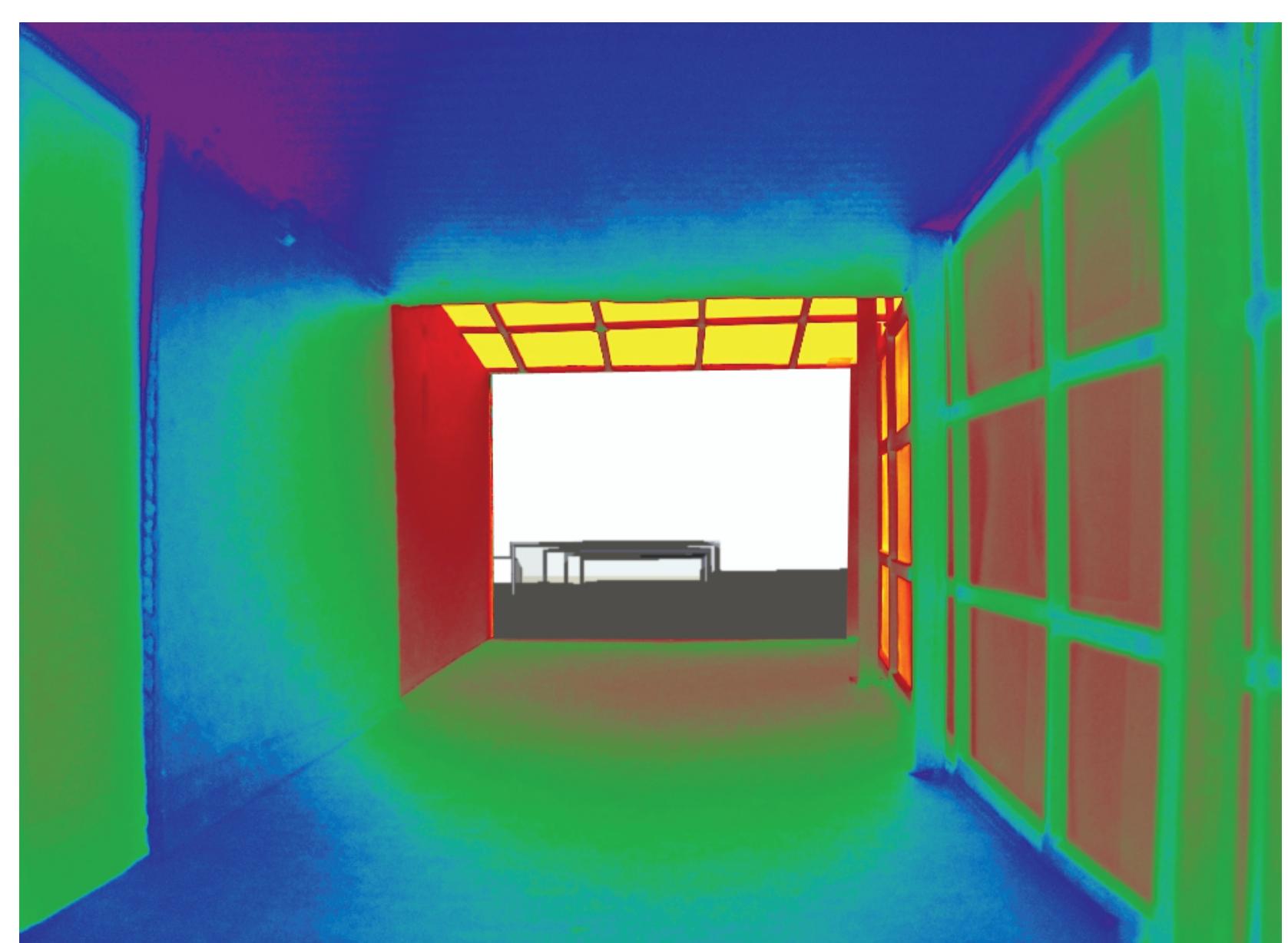
## r-20 insulation



Panel U = 0.05 (NFRC 100)



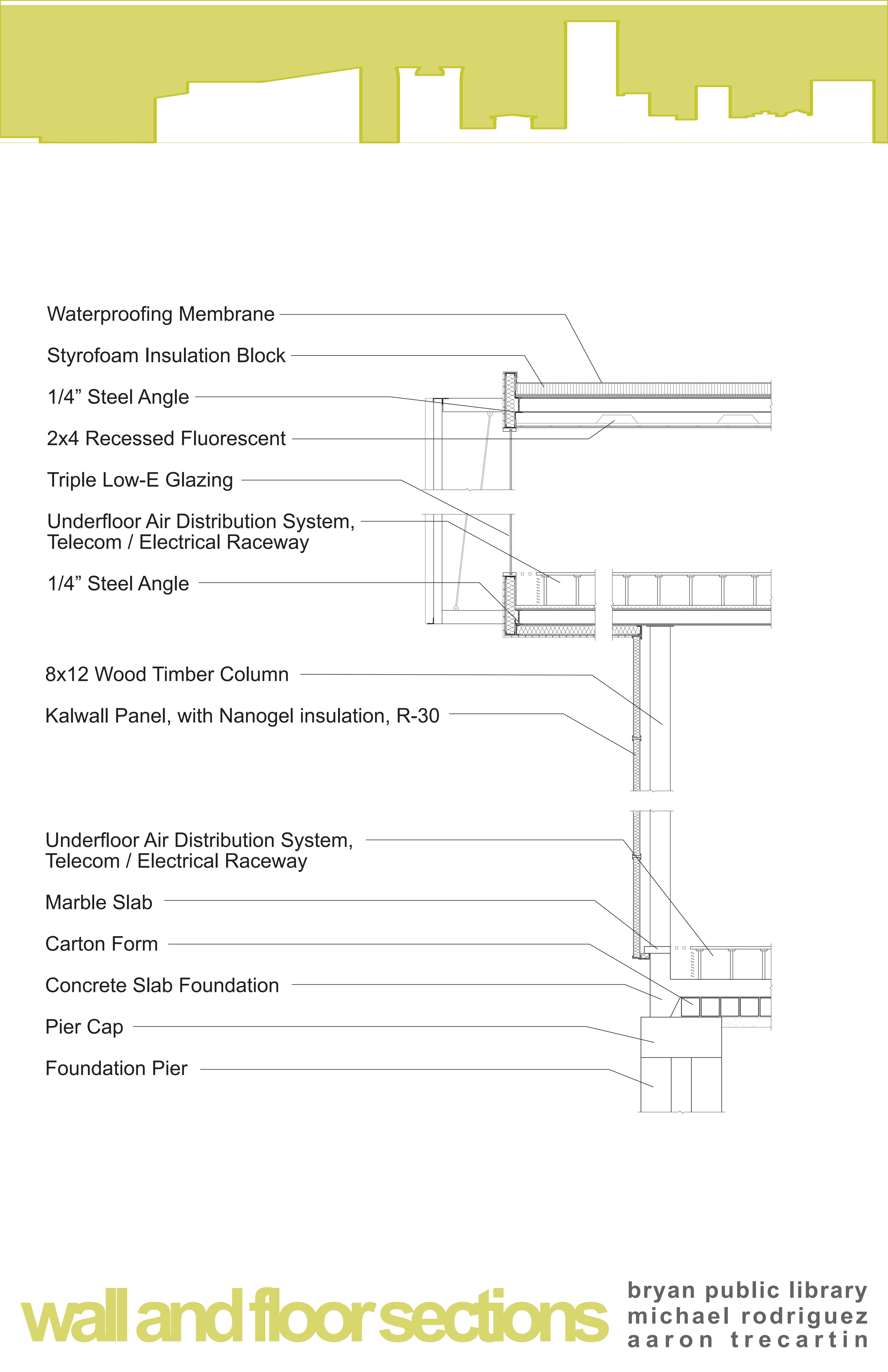
shadow range



false color  
from reading space

# daylighting studies

bryan public library  
michael rodriguez  
aaron trecartin



# wall and floor sections

bryan public library  
michael rodriguez  
aaron trecartin