

| project statement

This project was developed because of the damage left in the wake of the EF-5 tornado that hit the area in May 2011. One of the hardest hit areas of Joplin was the city's southeast side, which is comprised of mainly private residences and commercial buildings. The nearly one-mile wide tornado cut a path almost 22 miles in length, destroying over 7,000 homes and about 2,000 other buildings. Developing a comprehensive plan for the area will allow the city to rebuild the community better than ever.

Among the buildings completely destroyed during the storm was Joplin High School. The rebuilding of the school is an important step for the community to heal and grow from the devastation. Since education plays a key role in the success of any individual's future as well as the community as a whole, a major focus of this plan will be on the high school.

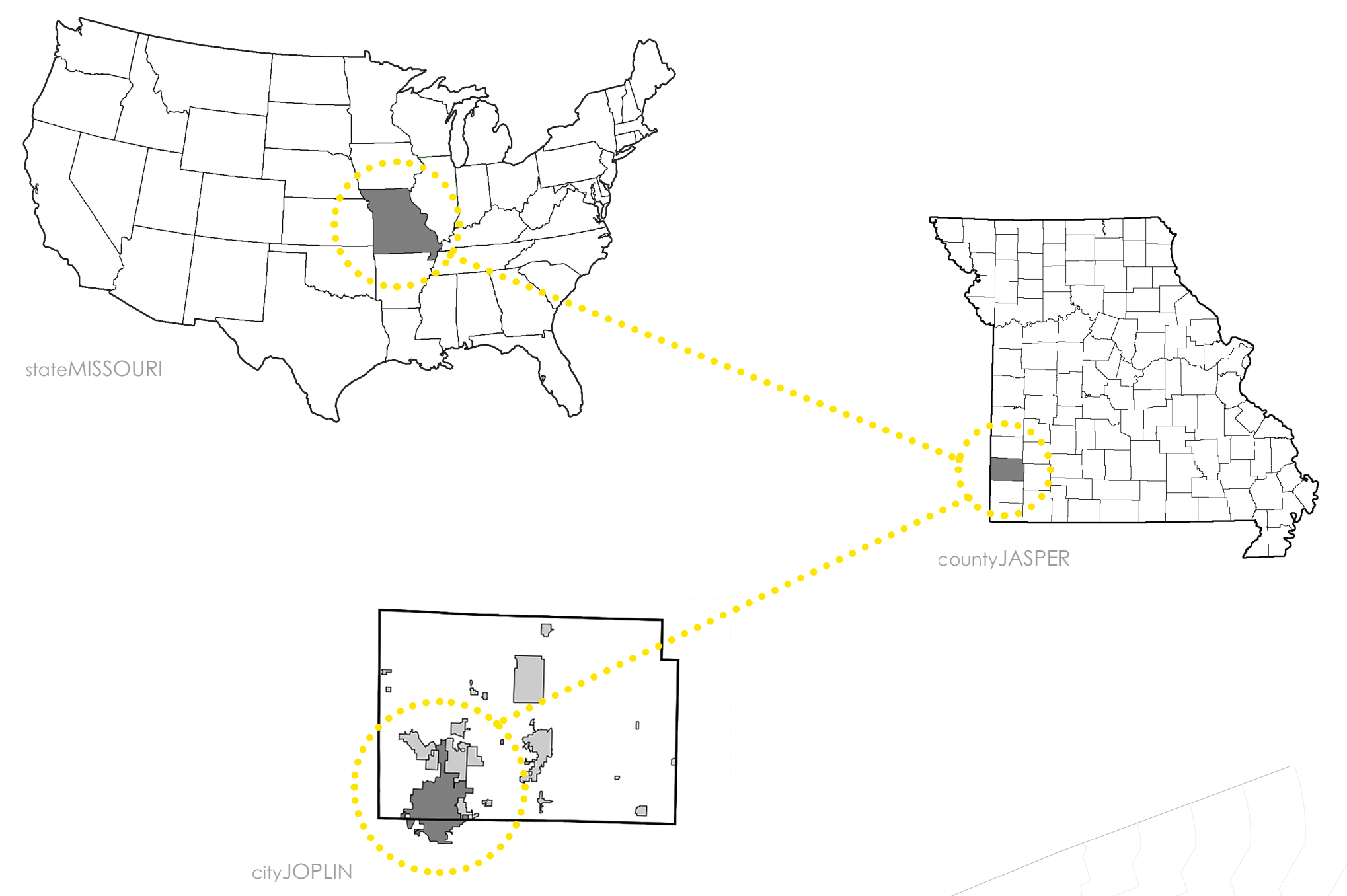
In addition to the planning and design proposal, there will also be crucial developments and implementation of innovative structural concepts in order to help benefit the high-risk community of Joplin, Missouri.

| project brief

LOCATION | JOPLIN, MISSOURI, USA
 PROGRAM | PUBLIC HIGH SCHOOL
 GRADE LEVELS | 9-12
 ENROLLMENT | 2,500 STUDENTS
 SITE AREA | 2,767,198 S.F.
 BUILDING AREA | 450,000 S.F.

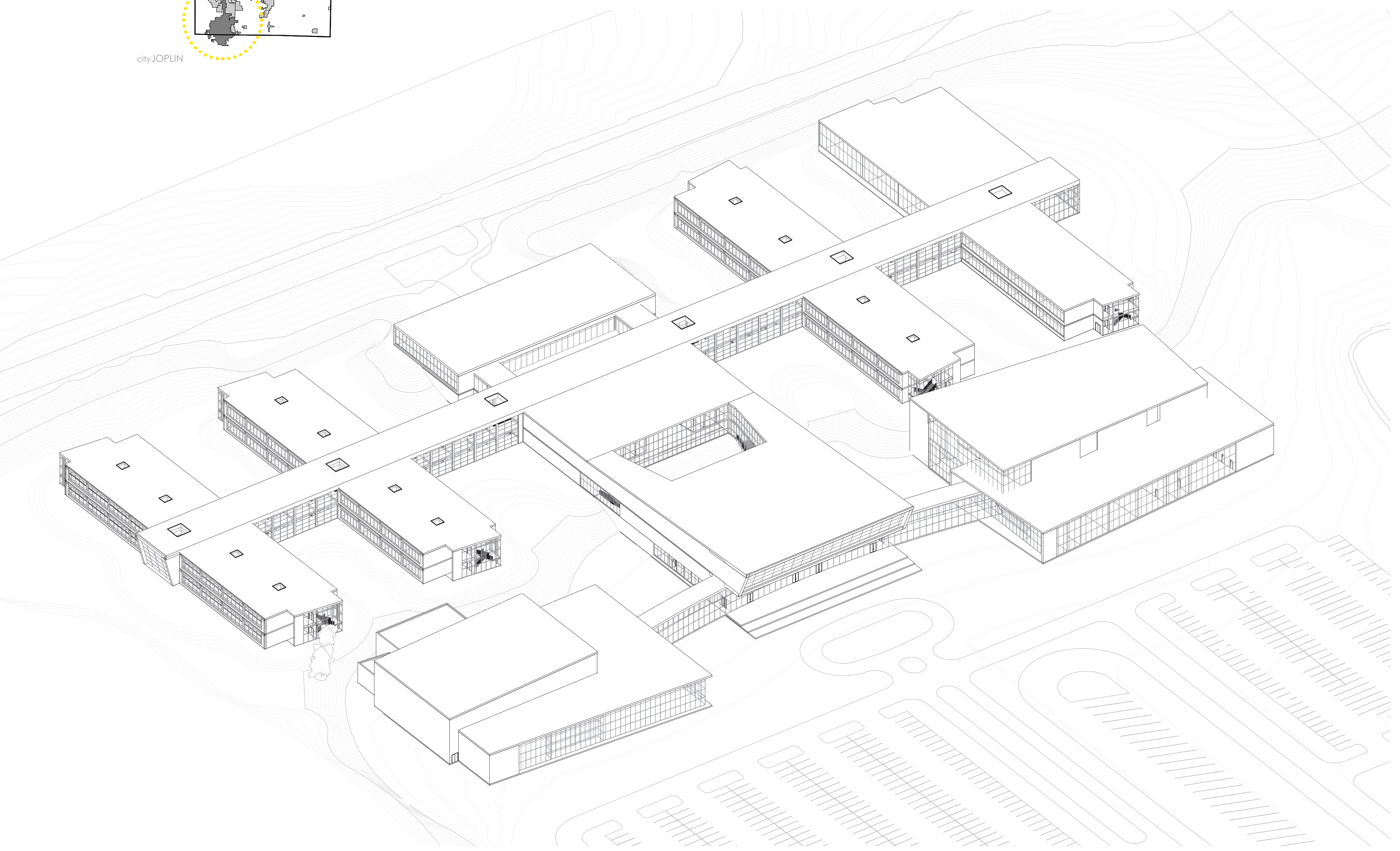
| site/context

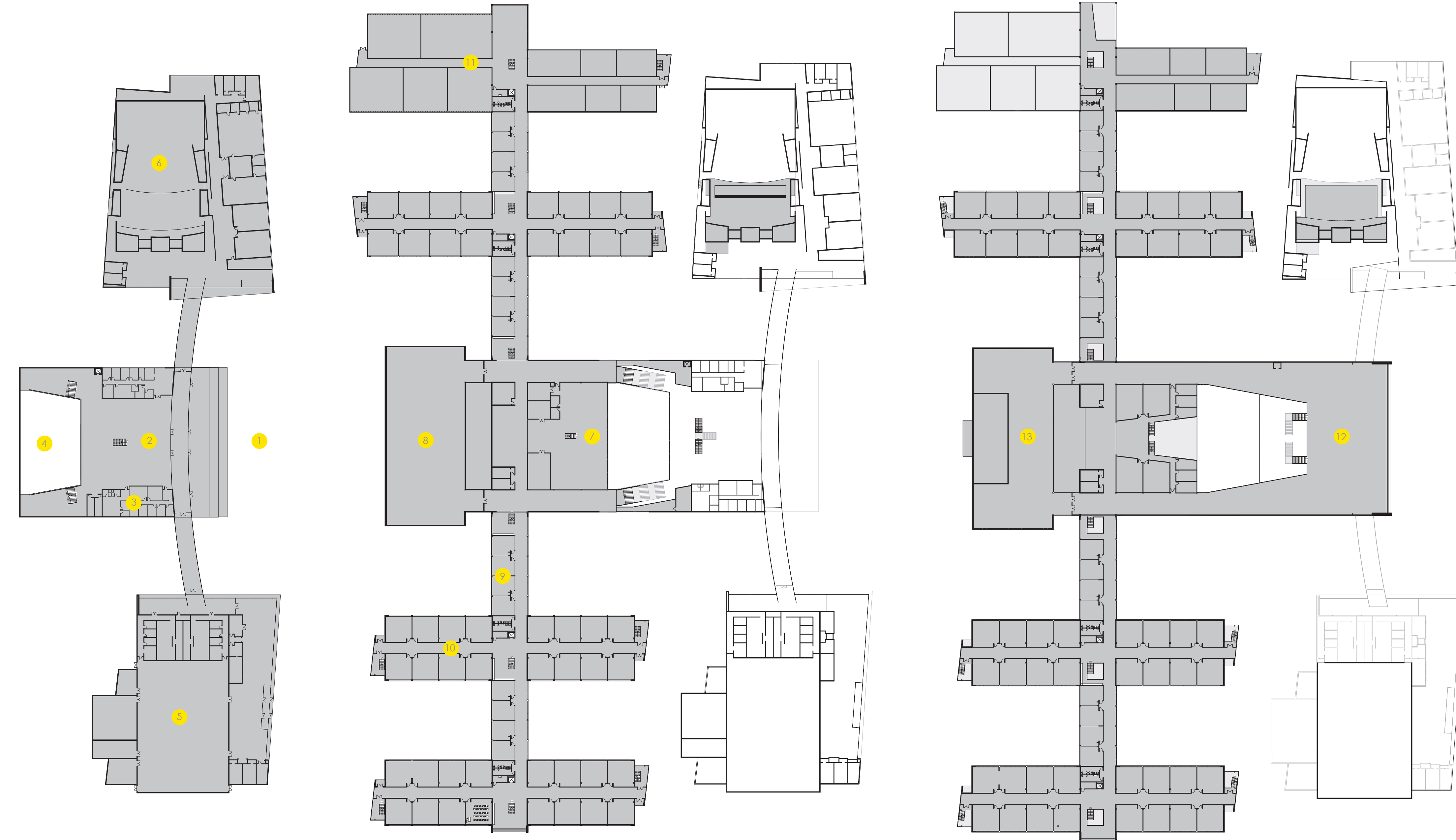
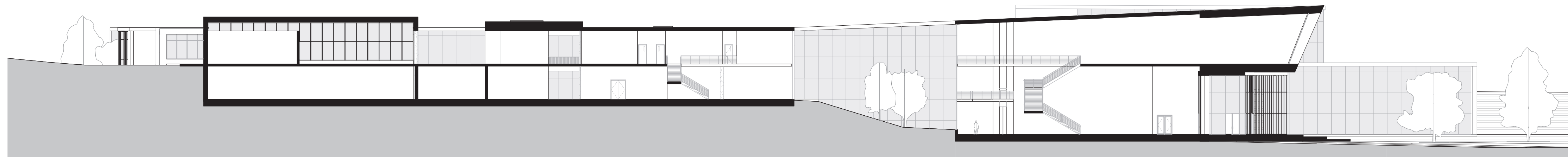
Joplin is located in southwest Missouri in the "four states" region encompassing Oklahoma, Kansas, Missouri and Arkansas. At the edge of the Ozark Mountain region, Joplin has a current population of 49,024. The daytime population swells to 270,000 while the population within a 40-mile radius of Joplin is 400,000, making it Missouri's fourth largest metropolitan area. Joplin combines the beauty and hospitality of country living with the convenience and commerce of city vitality.



- 1 retention basin
- 2 nature area
- 3 parking
- 4 bus drop-off
- 5 athletic fields

| site plan





first level

second level

third level

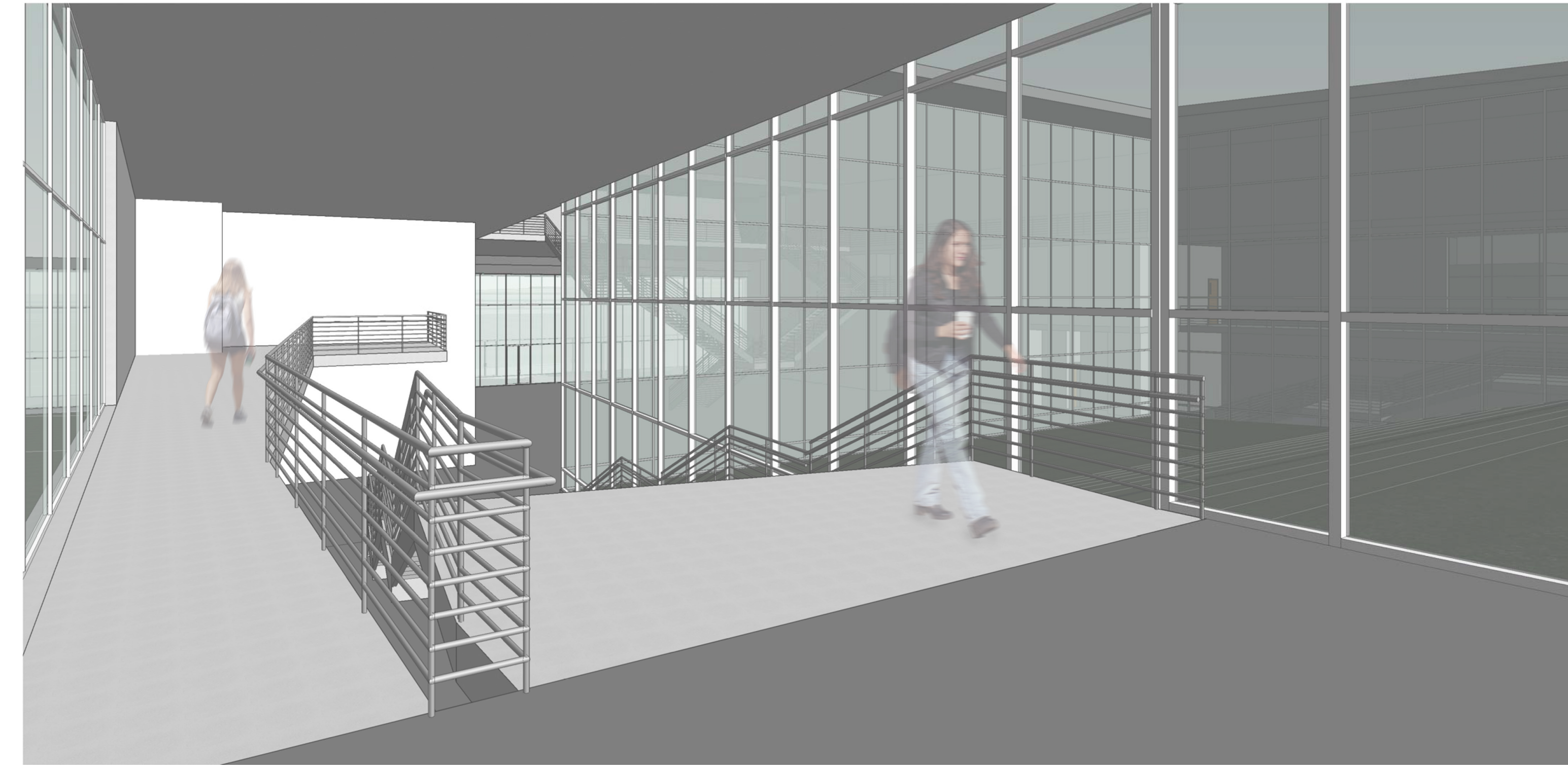
- 1 main entry
- 2 lobby/atrium
- 3 administration
- 4 courtyard
- 5 gymnasium
- 6 performing arts
- 7 media center
- 8 support
- 9 learning studio
- 10 classroom
- 11 technology center
- 12 commons
- 13 cafeteria

integrating technology
the recharging wall provides a space for students to plug in their laptops and work

environmental responsibility
the outdoor classroom allows for learning to continue beyond the traditional classroom

collaborative learning spaces
moveable wall panels in between classrooms allow for more flexible, transformable learning spaces

the intent of this design is to improve the quality of education by incorporating collaborative learning spaces, integrating technology and promoting environmental responsibility.



courtyard + atrium



recharging wall



learning studios