

# North Carolina State University Raleigh, NC

# Context - History











1984

1989

1999

2010

1850	Southern Railroad lays first tracks through the farmland destined to become NC State
1887	Founded as North Carolina College of Agriculture and Mechanic Arts - 72 students, 6 faculty
1901	First female student enrolls
1931	The College is consolidated into The University of North Carolina
1946	School of Architecture and Landscape Design is established
1949	For the first time there are 1,000 or more graduates in one school year
1956	First African-American students enroll
1965	Name changed to North Carolina State University at Raleigh
1966	Single year enrollment reaches 20,000 students
	Carter-Finley football stadium opens on the new Stadium Campus
1969	26 NCSU graduates play a key role at NASA landing the first men on the moon
1974	Men's basketball team wins its first NCAA Championship
1980	Wolfline bus transit service begins
1981	College of Veterinary Medicine established
1983	Men's basketball team wins its second NCAA Championship

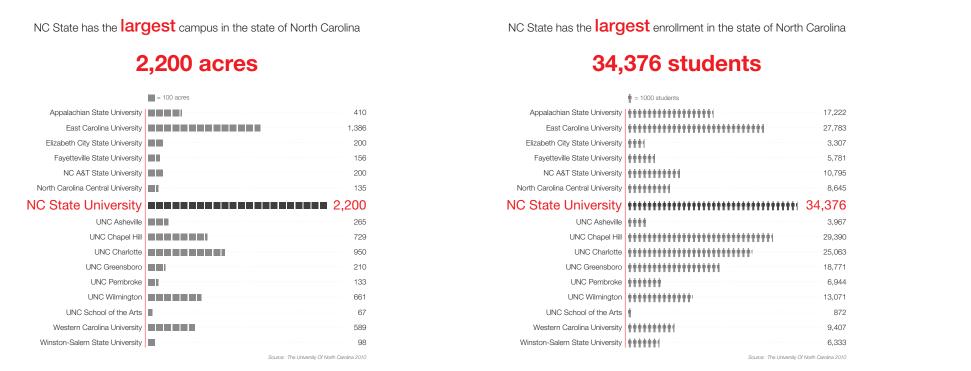
University receives 780 acres of land from the State of North Carolina for "Centennial Campus"

Wolfline expands to three daytime routes and one evening route

City of Raleigh announces plans to construct a new multimodal Union Station

The new NCSU Basketball arena opens on Stadium Campus

North Carolina State University is one of the leading land grant institutions and public research universities in the country. However, its rapidly growing SIZE and required *travel* distance inbetween campuses necessitate drastically improved transit connections. Current plans are in place for the construction of a rapid transit corridor through campus along with commuter and light rail transit. The Master's Project will focus on the main multimodal center for this transportation network, the *North Carolina State University Rapid Transit Center...* 



### Rapid Growth

NC State is located within the City of Raleigh, one of the fastest growing cities in the U.S., with a current population of

403,892 persons

Expected to grow by more than 30% by 2020 to

528,337 persons

= 10, 000 persons



Source: April 2010 Census

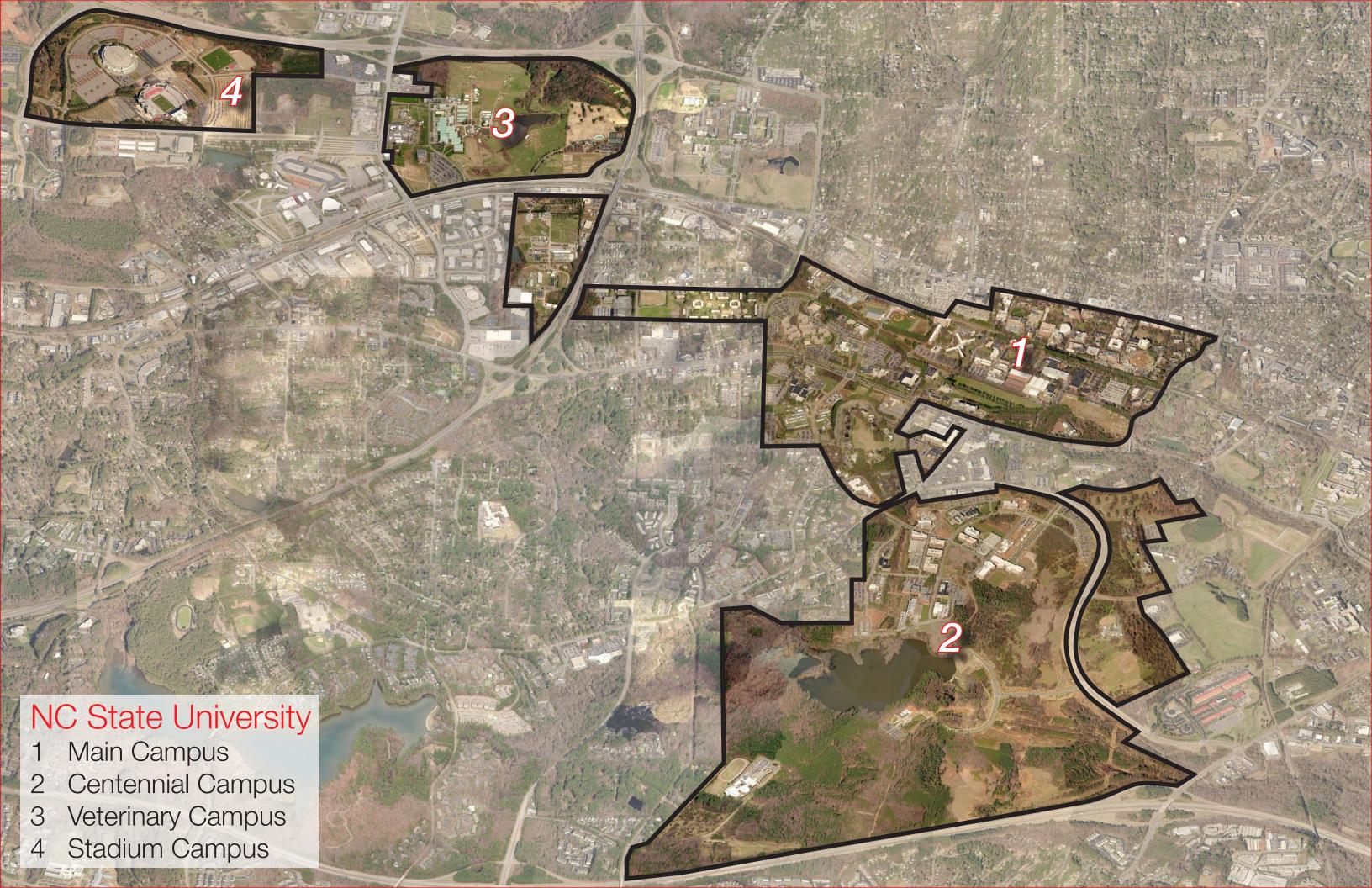
NC State assigns 17,200 parking permits each year. Roughly 10,000 for students, 6,300 for employees, and 900 for service and departmental vehicles. In total, NC State has over

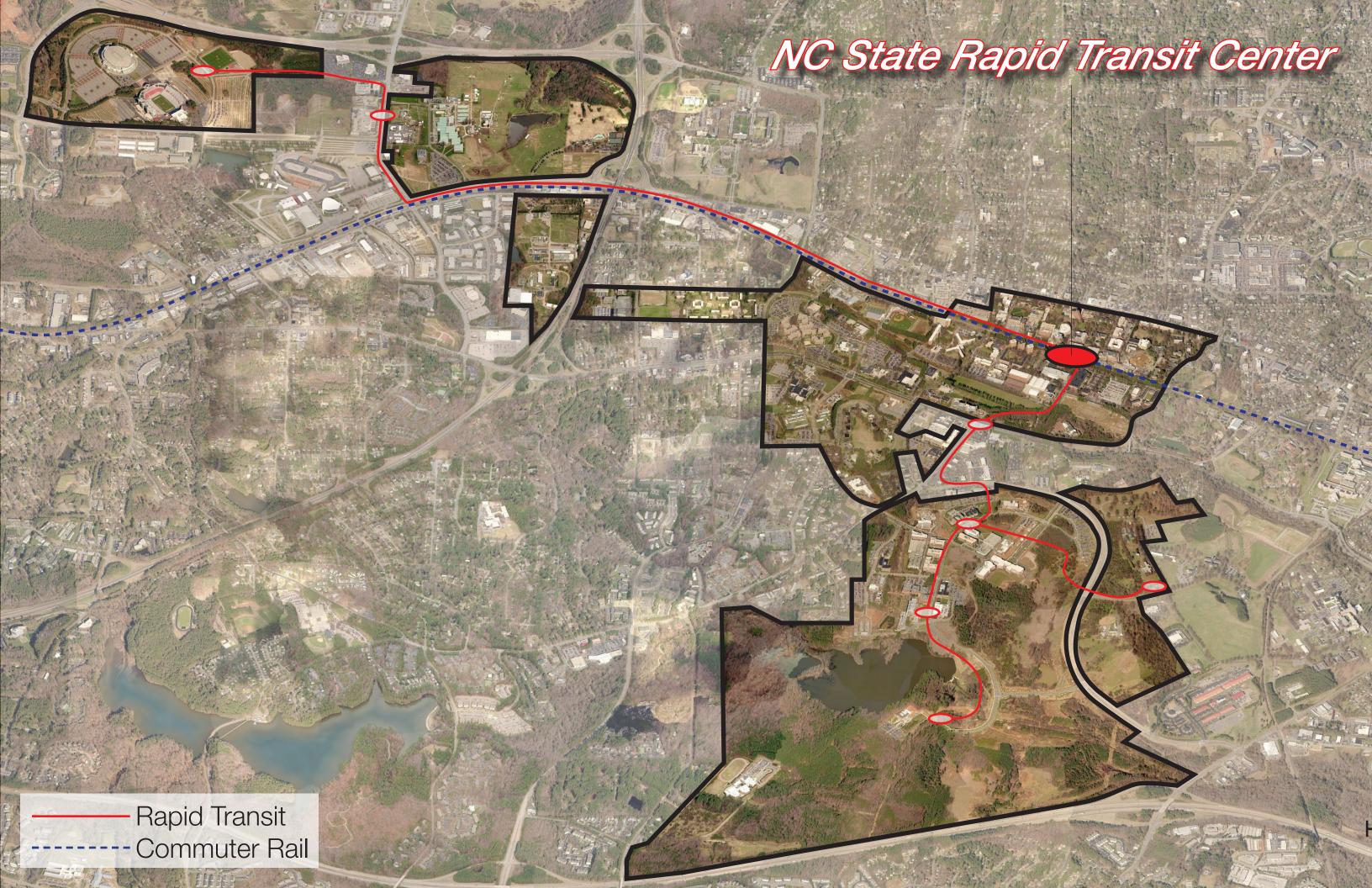
# 19,400 parking spaces

# 155 acres

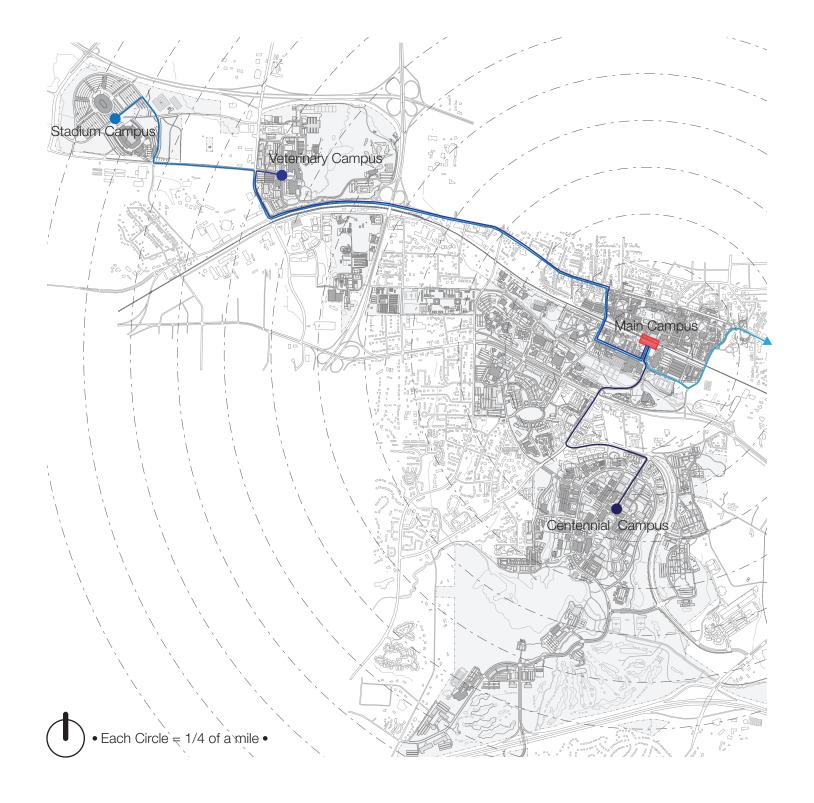


Source: NC State Transportation





# Campus Travel Distance

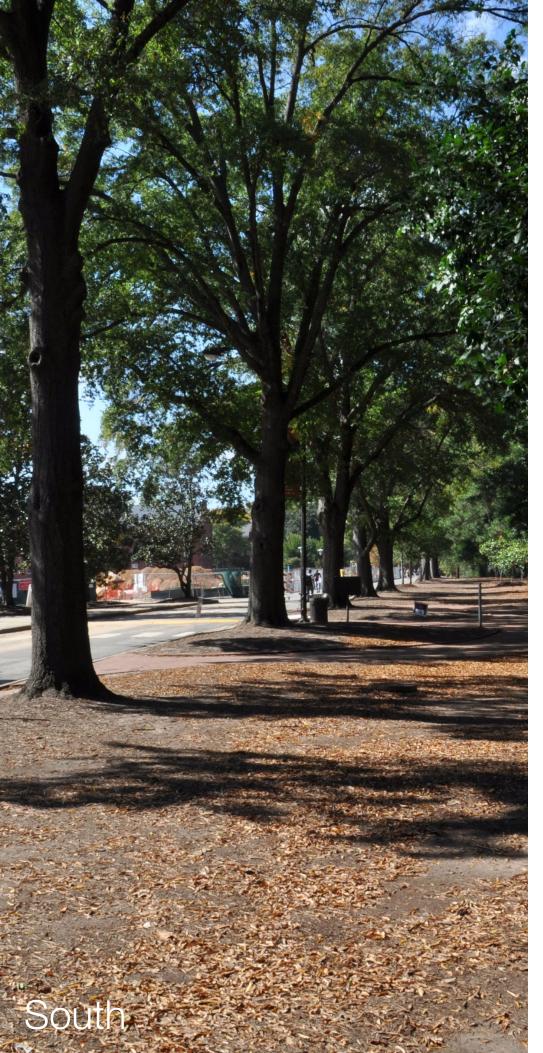


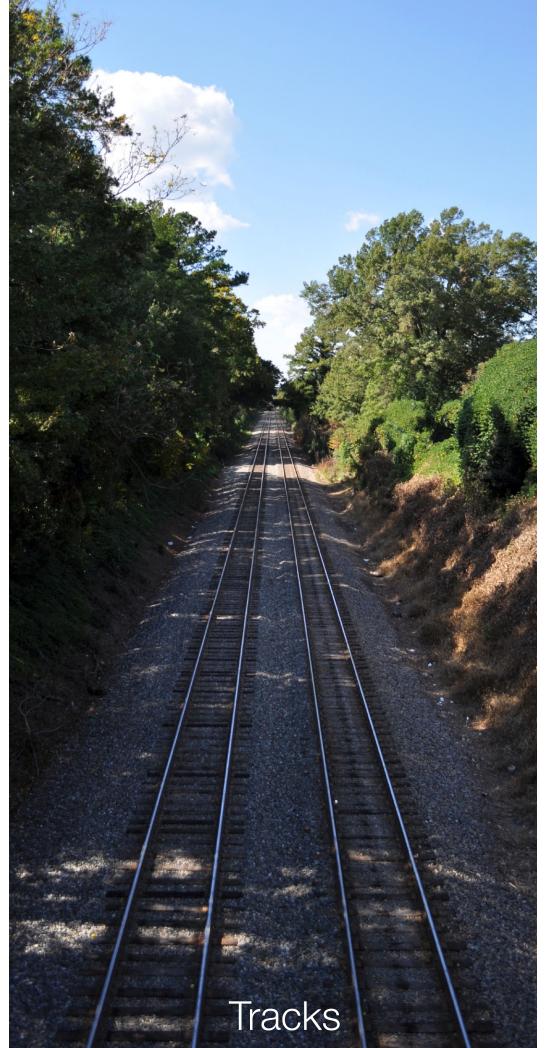
	Distance			<b>₽</b>	Ť
Centennial Campus	1.2 miles	7 min	14 min	10 min	25 min
Veterinary Campus	2.6 miles	9 min	28 min	20 min	54 min
Stadium Campus	3.7 miles	12 min	36 min	26 min	75 min
Downtown Raleigh	2.3 miles	8 min	25 min	18 min	50 min

"People experience distance more in hours than in miles... Time accelerates and becomes more valuable the greater distance one can travel in any given period"

-William Cronon-

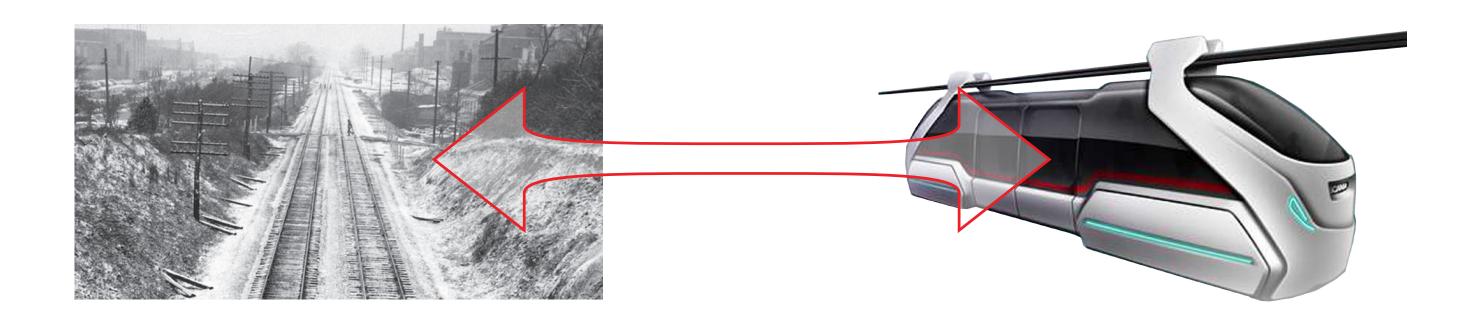


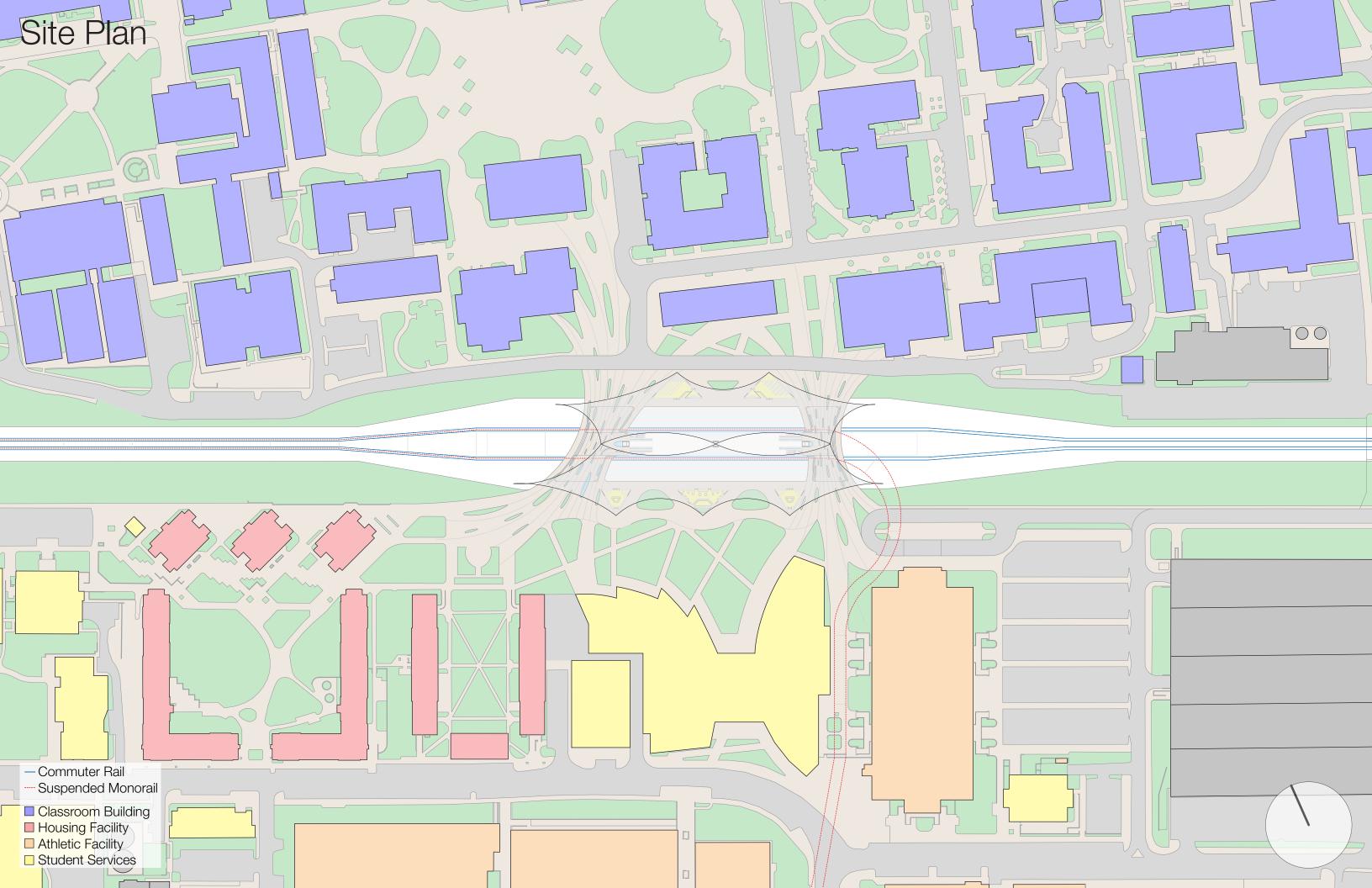


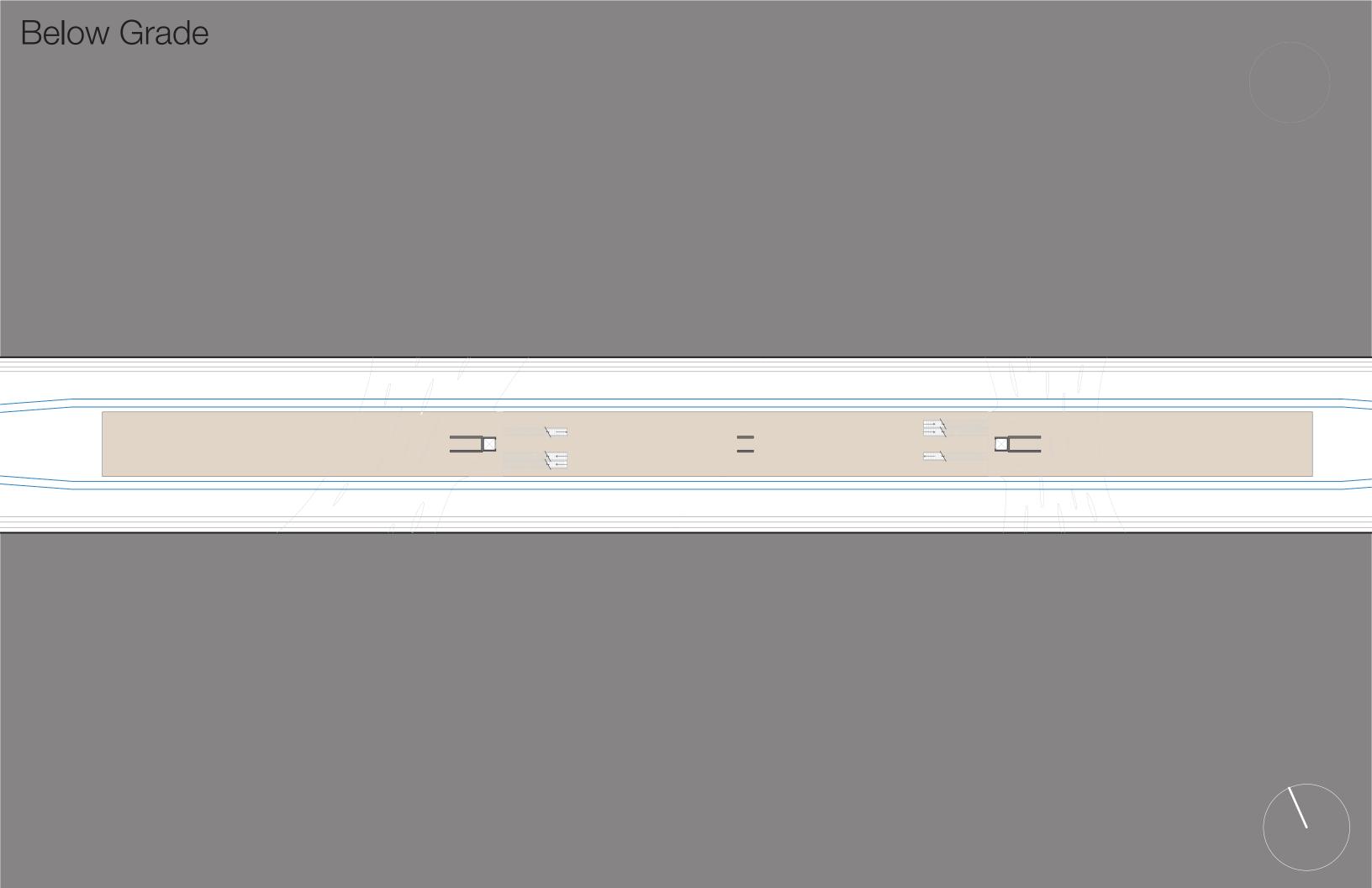


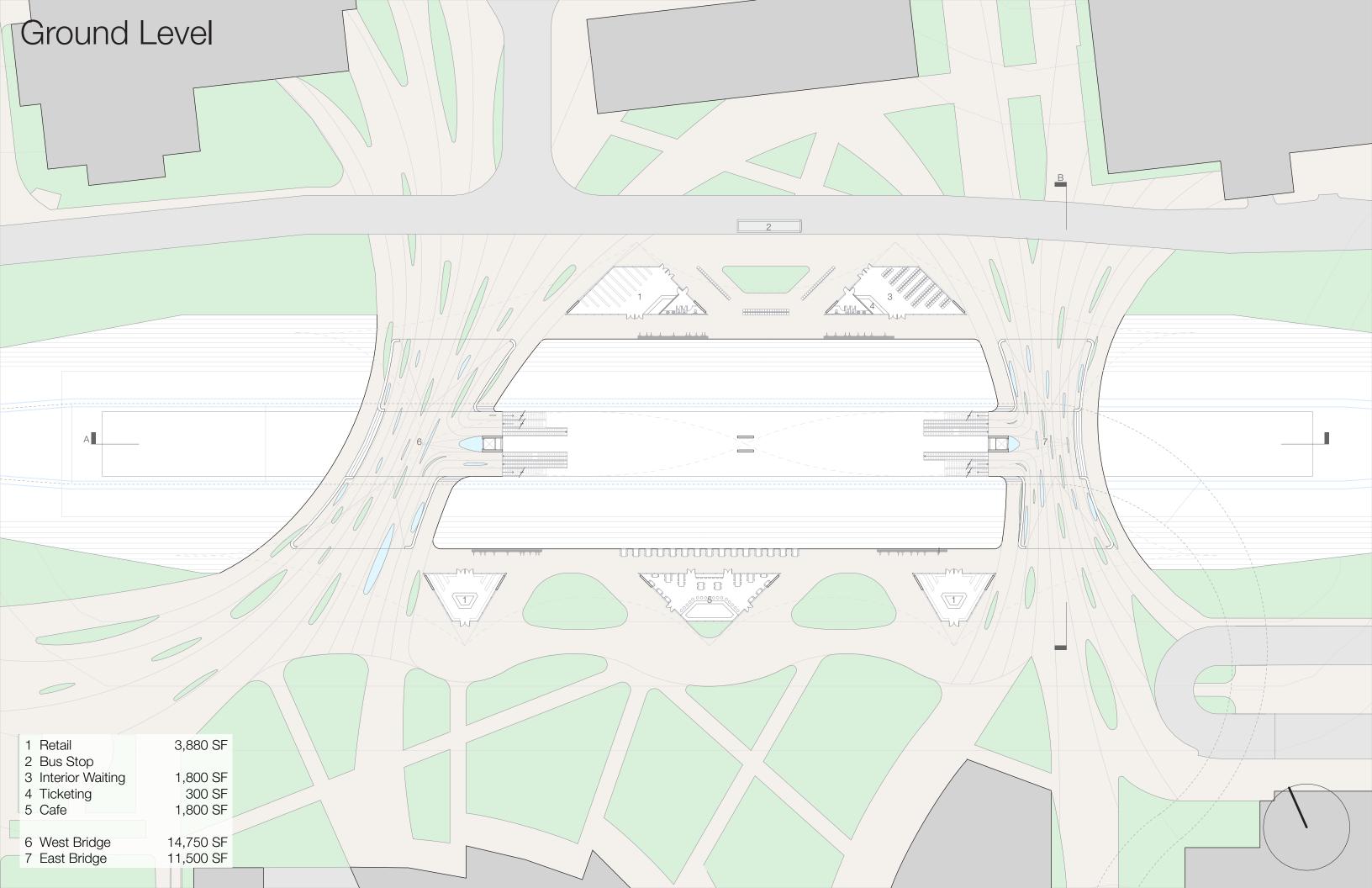


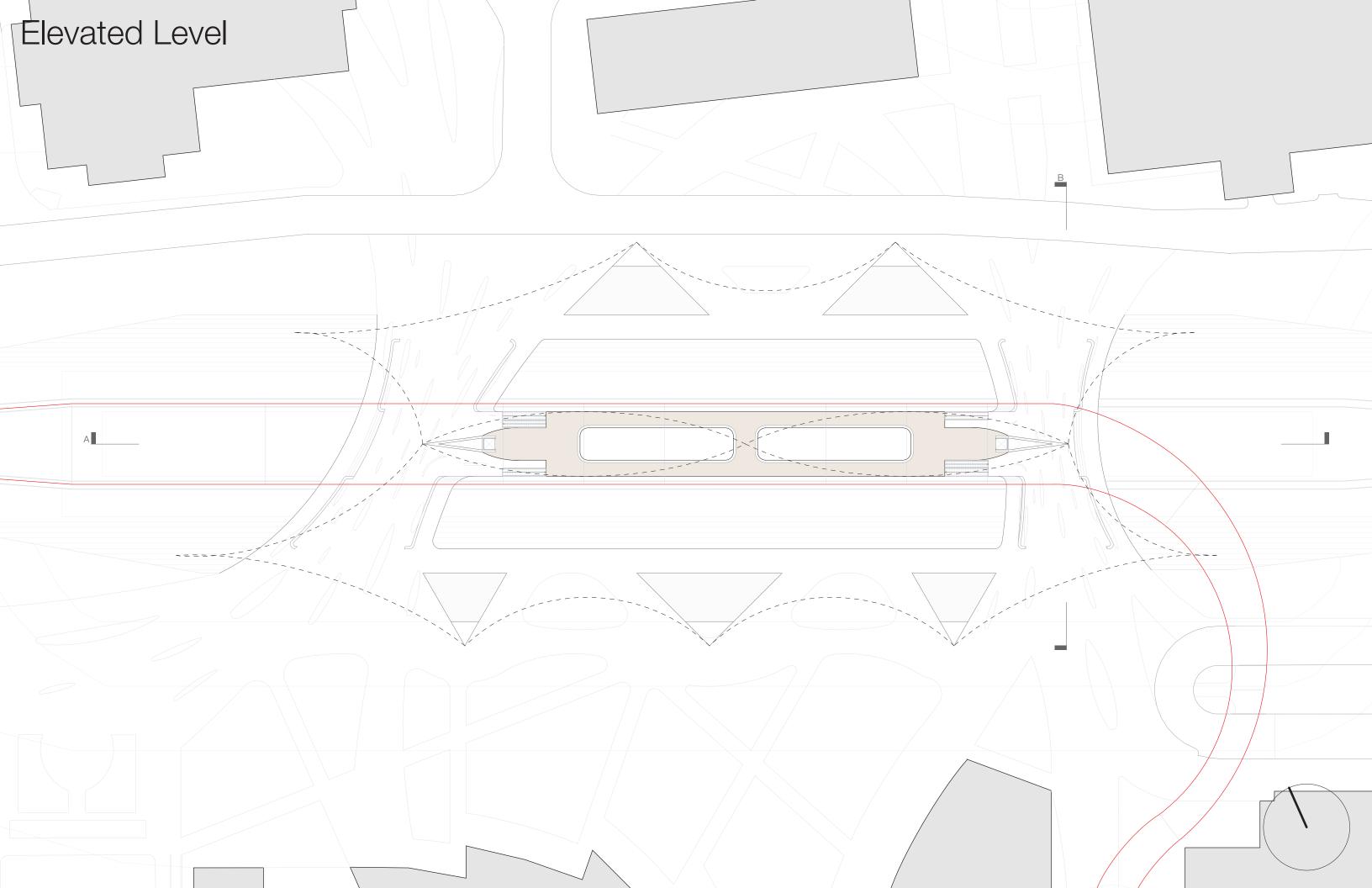
The NC State Rapid Transit Center **bridges** the past to the future by **connecting** historic rail lines that preceded the University with a new suspended monorail. The station **stretches** over the dividing tracks, **linking** the University's sprawling campuses and the surrounding region with commuter rail, monorail, buses, bicycles, and enhanced pedestrian access.

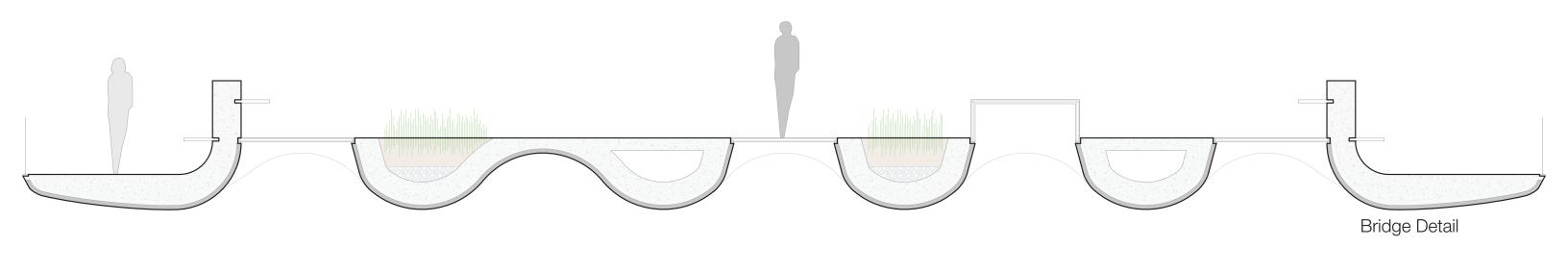


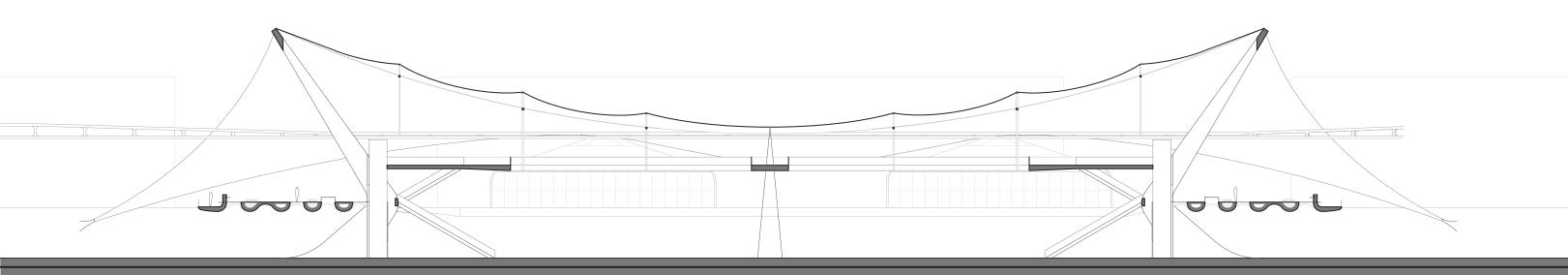




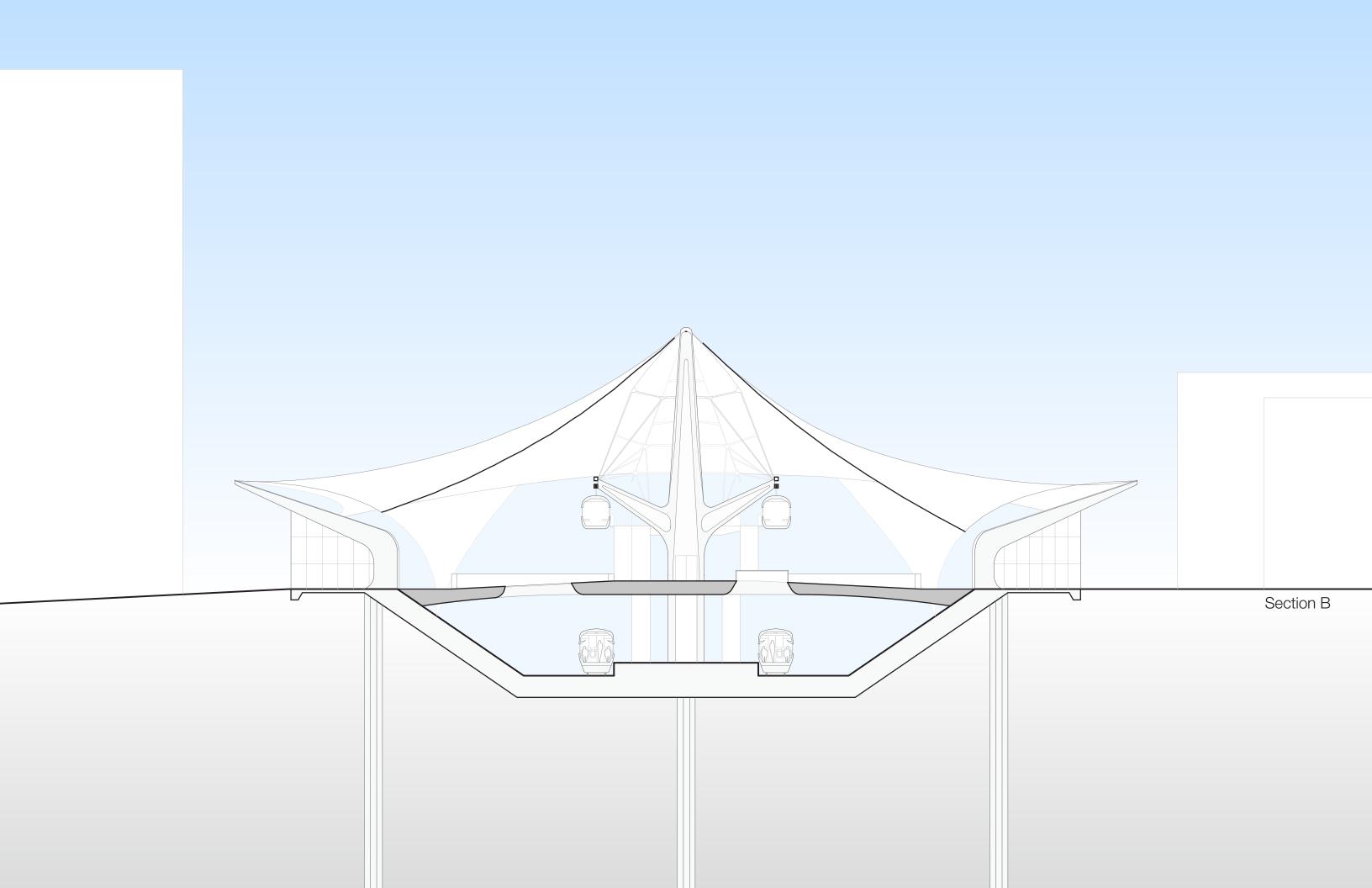












# Span Virtual Depth

