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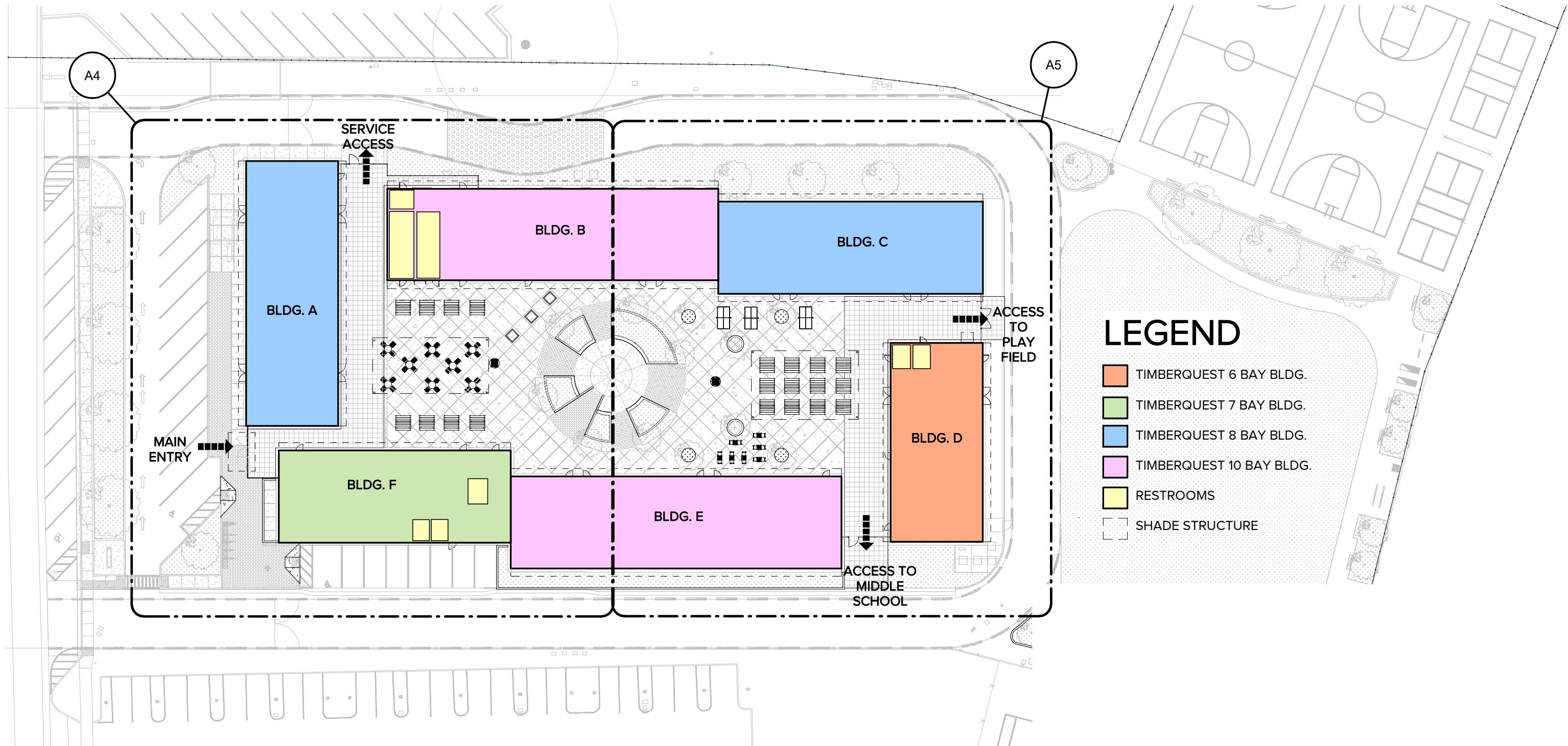
ENTRANCE VIEW



Click to take tour  
of Sacred Heart  
School Interiors

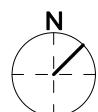


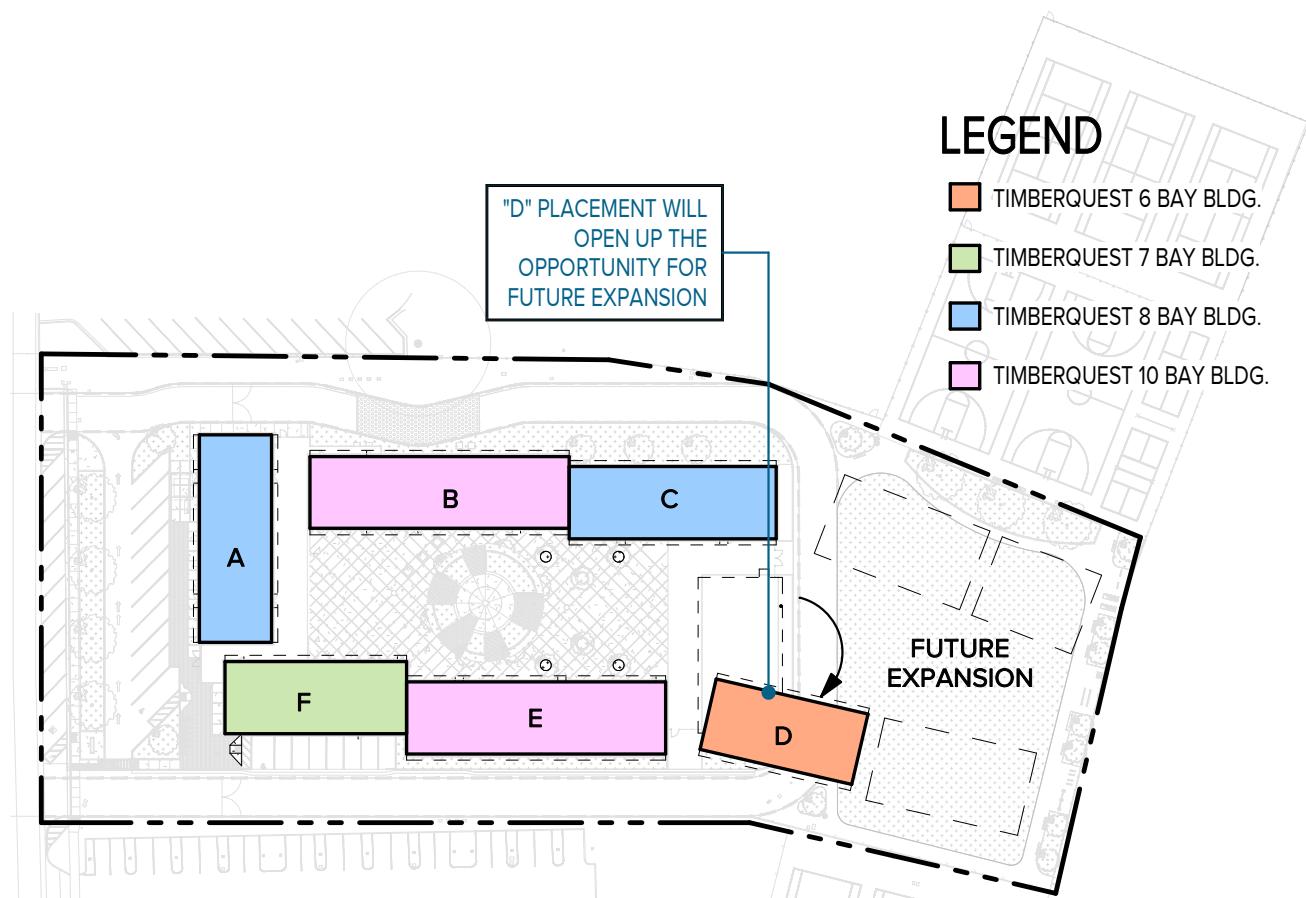




## SITE PLAN

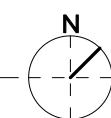
SCALE: 1" = 40'-0"





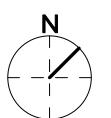
**ALT. PLAN #1 - FUTURE EXPANSION**

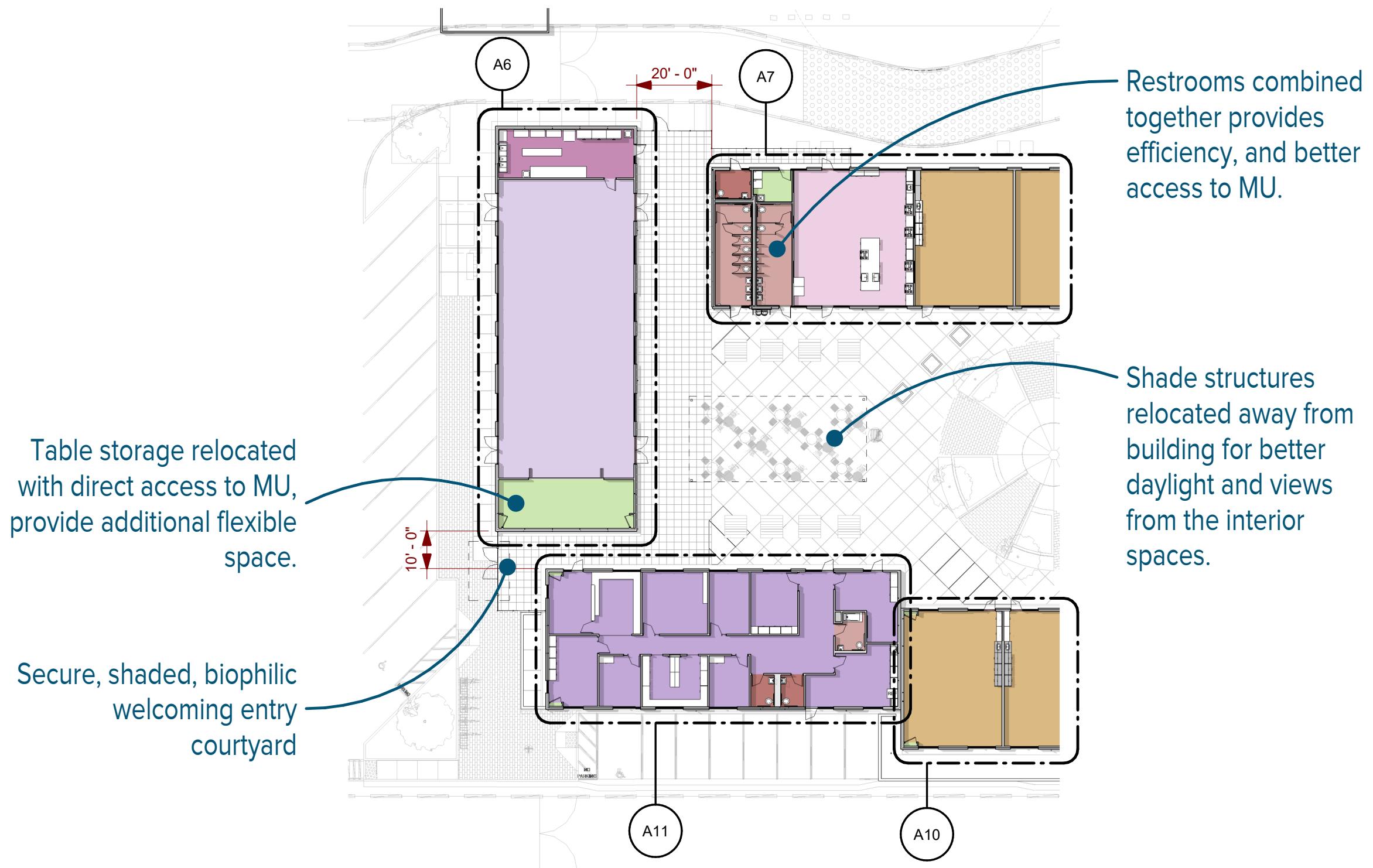
SCALE: 1" = 100'-0"



**ALT. PLAN #2 - PLUMBING & FIRE SPRINKLER EFFICIENCY**

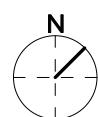
SCALE: 1" = 100'-0"





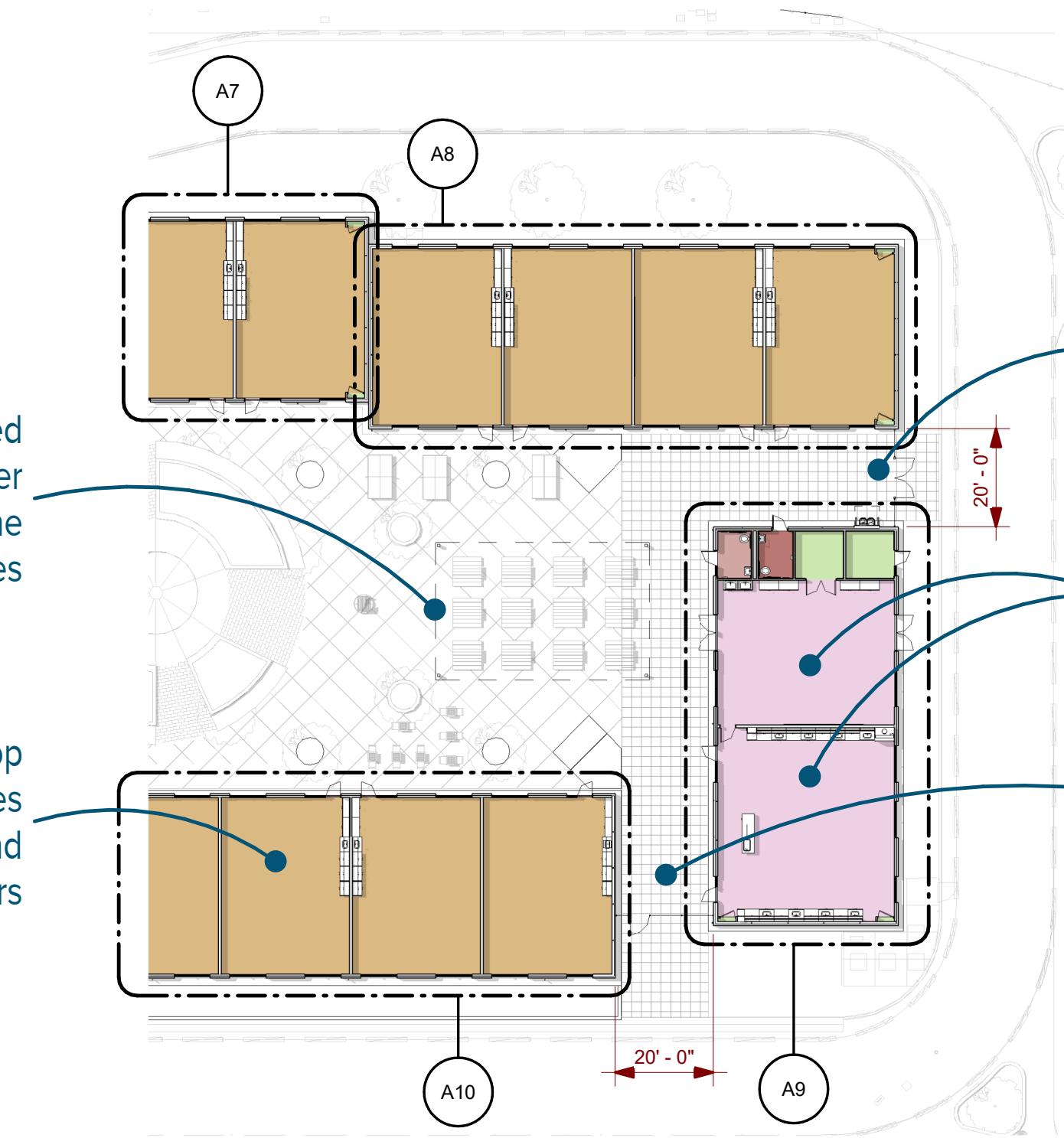
WEST

SCALE: 1" = 30'-0"



Shade structures relocated away from building for better daylight and views from the interior spaces

All bldgs. provided with roof top units instead of in-room furnaces that take up usable space and add noise to the interiors



Large, open pathway to the playing field

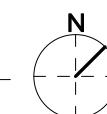
Fabrication lab and Science lab placed together for collaboration and flexibility

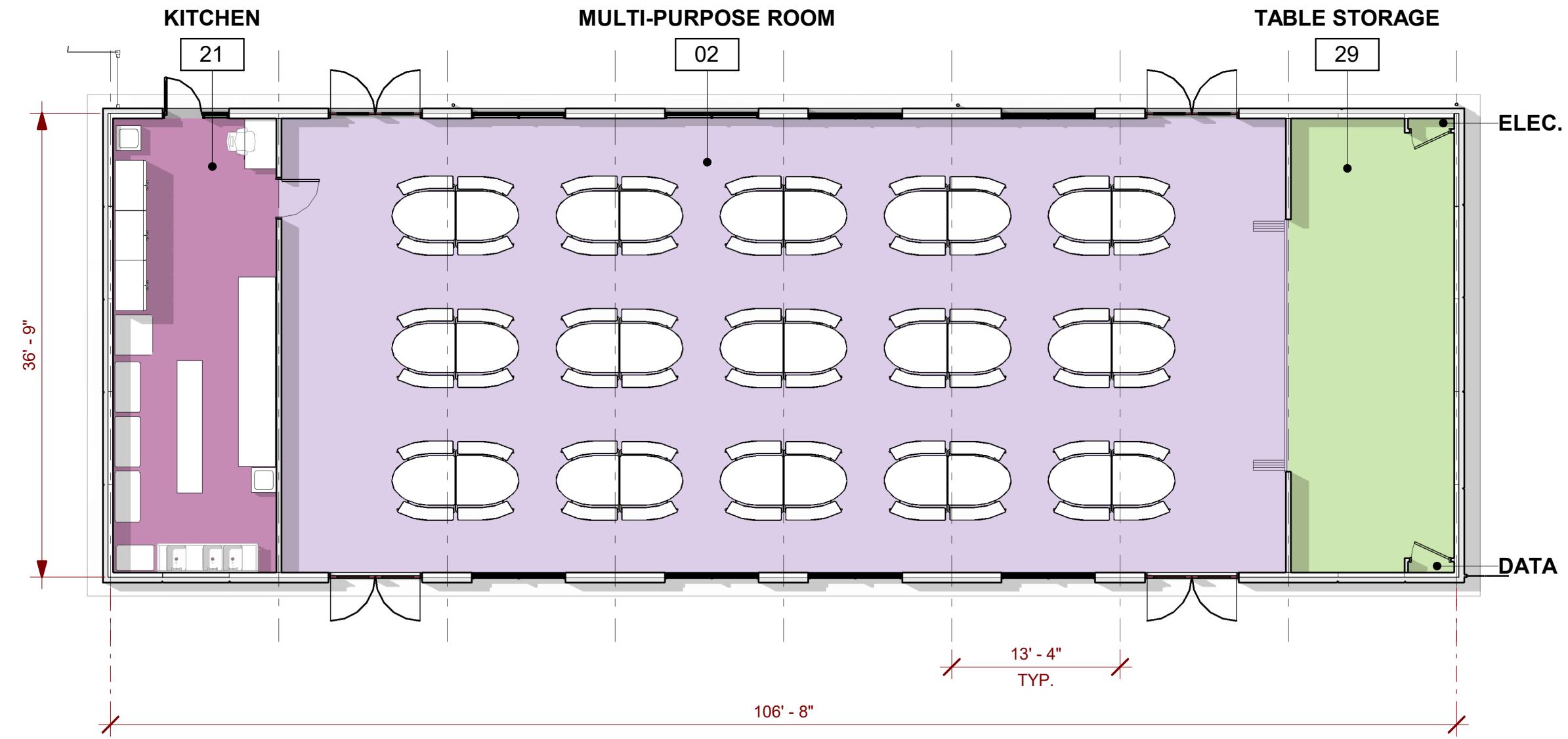
Large, open pathway to the middle school

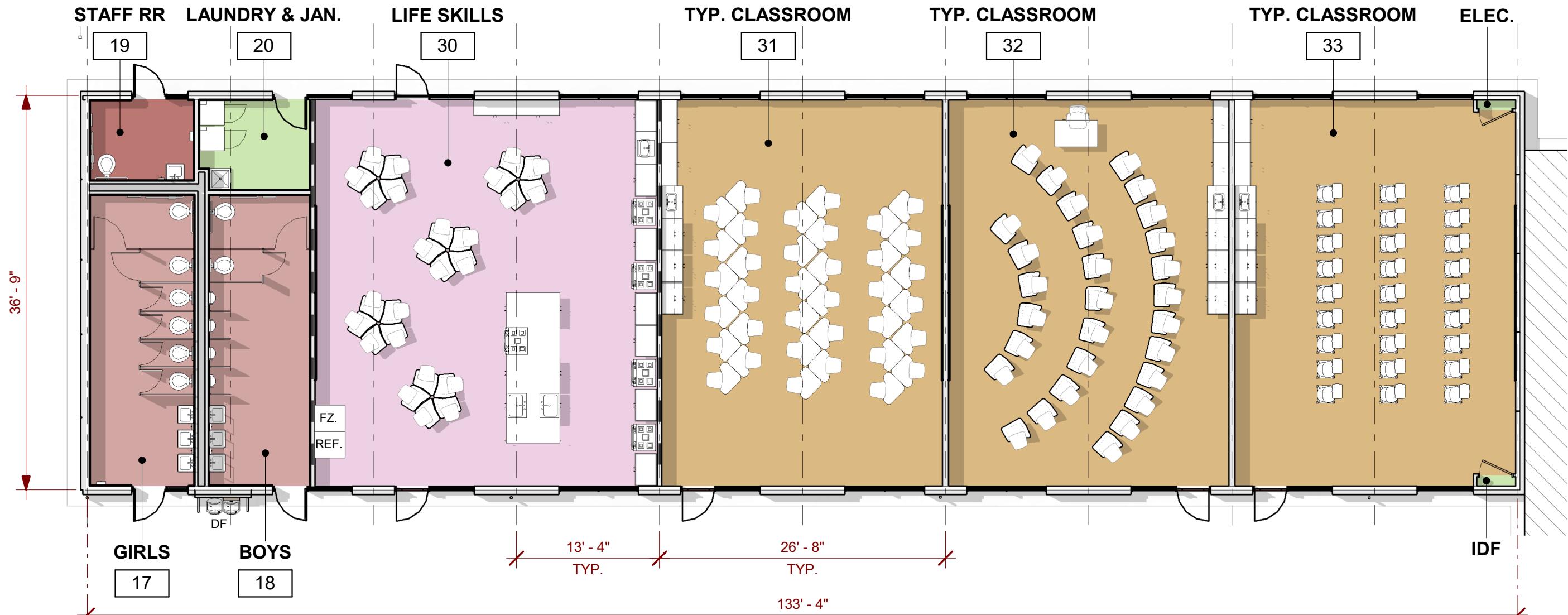
PROGRAM KEY	
■	LAB
■	TYP. CLASSROOM
■	STAFF RESTROOM
■	STUDENT RESTROOMS
■	UTILITY/ STORAGE

**EAST**

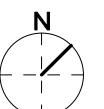
SCALE: 1" = 30'-0"

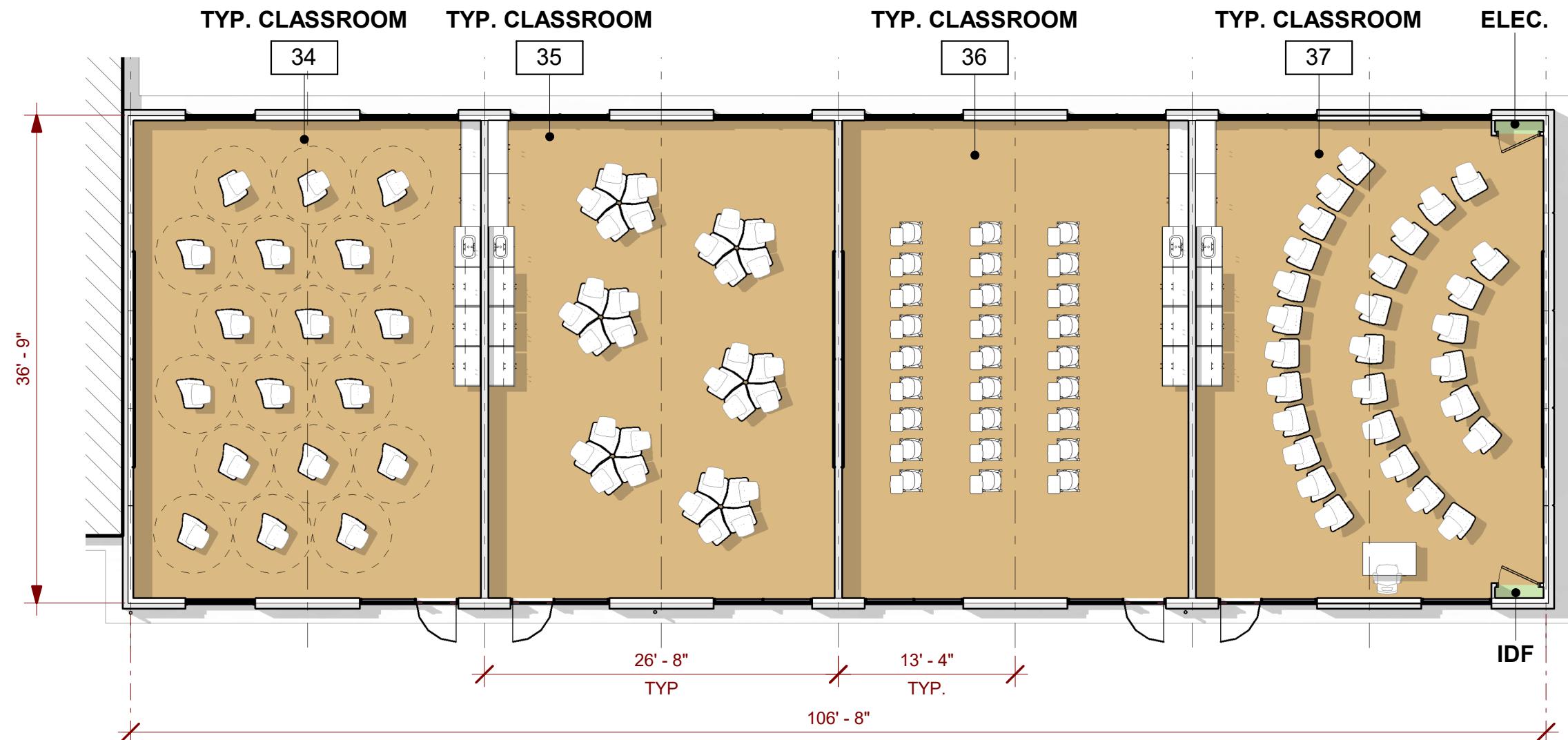




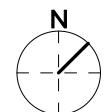


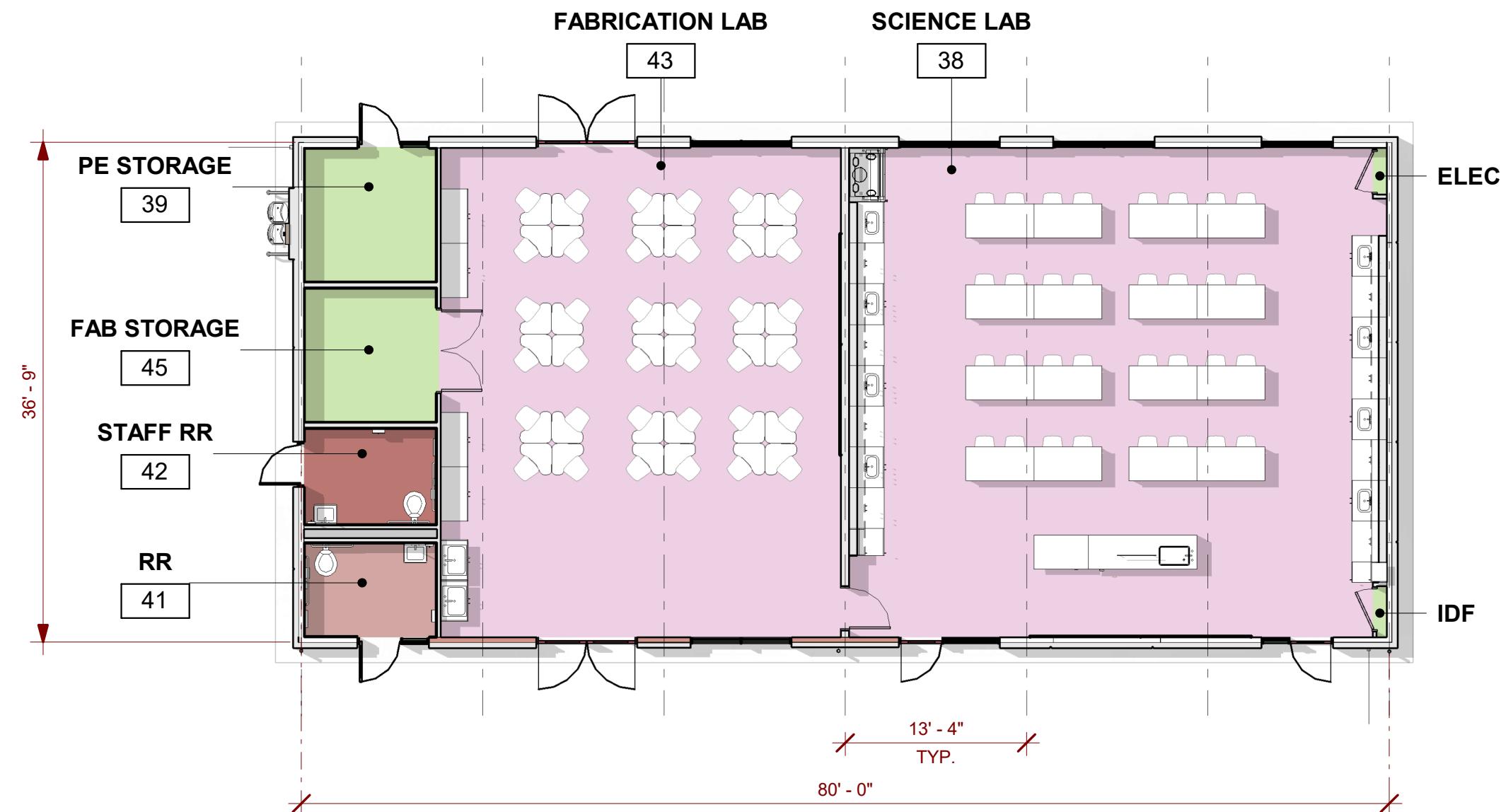
**BUILDING B**  
SCALE: 1" = 10'-0"



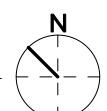


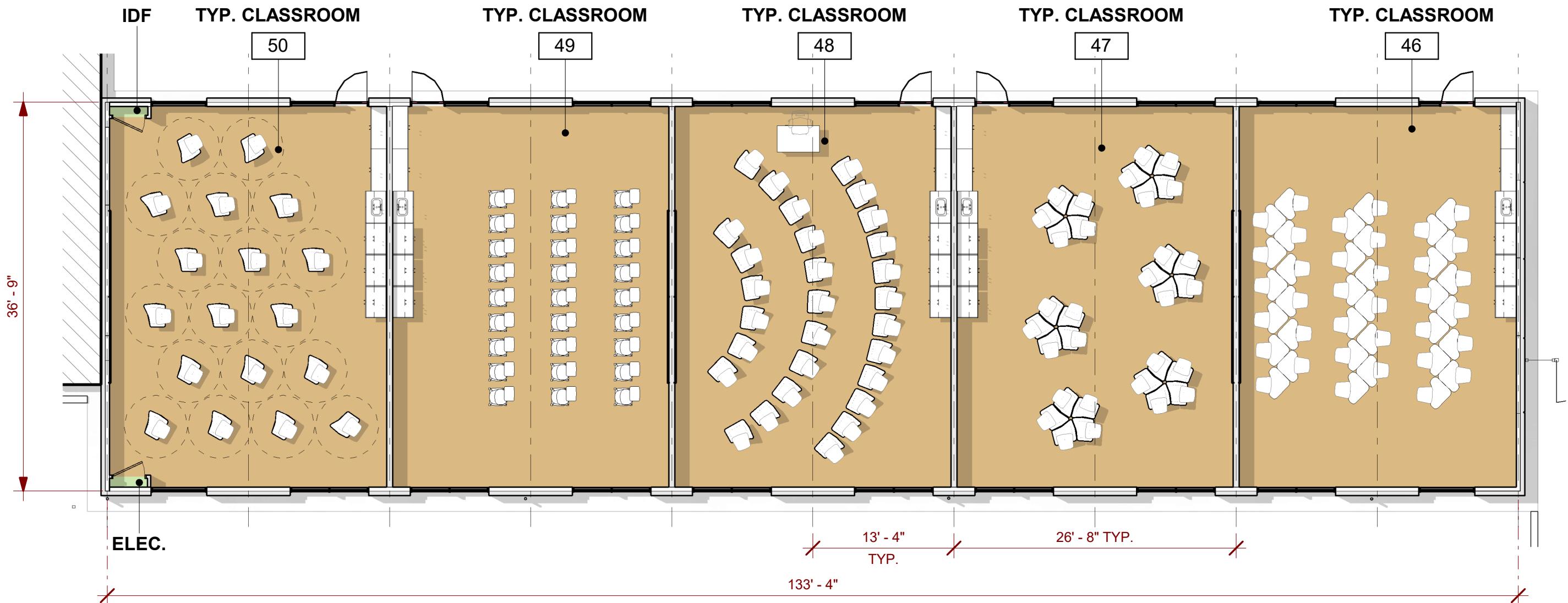
**BUILDING C**  
SCALE: 1" = 10'-0"



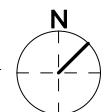


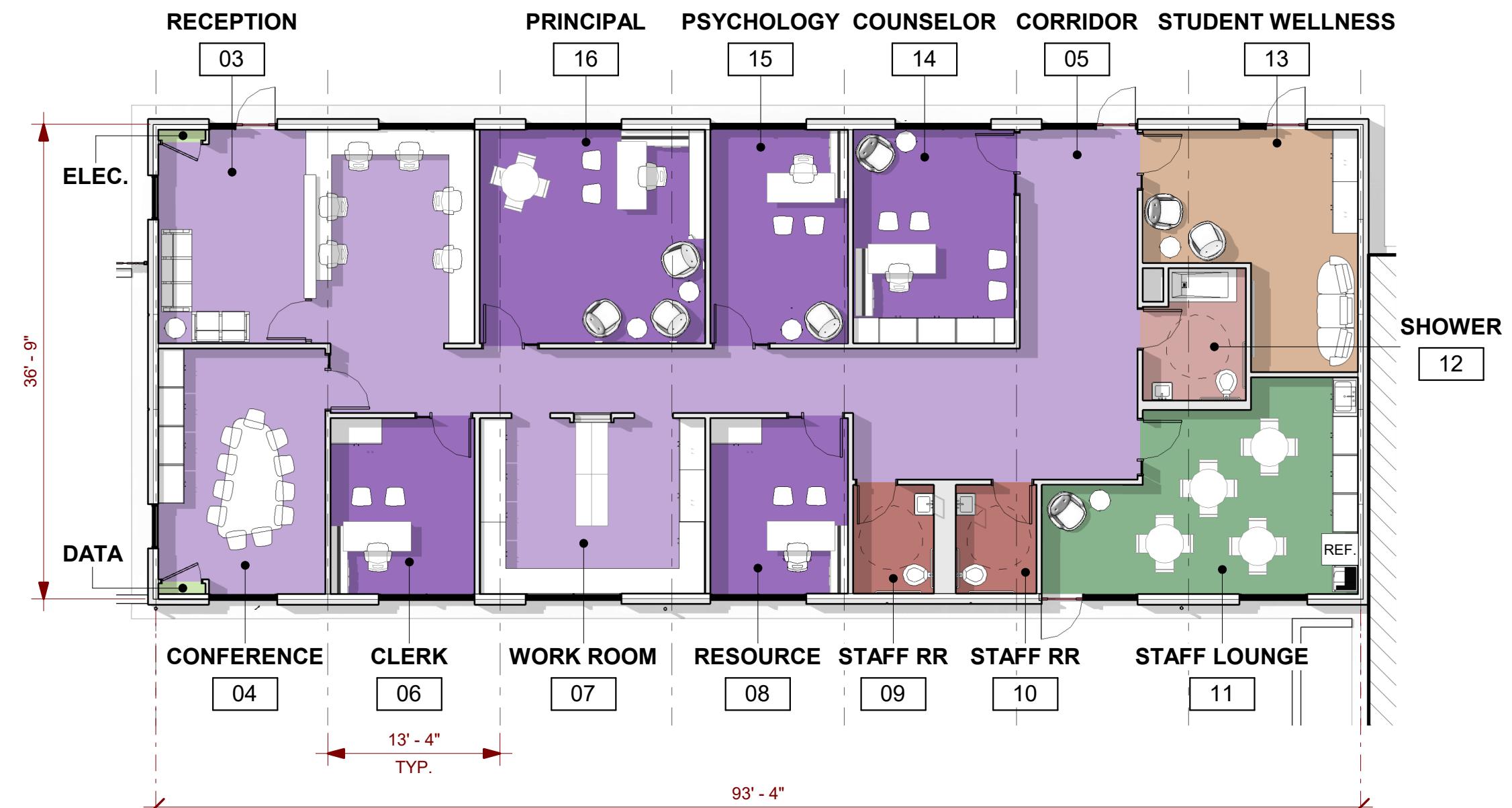
**BUILDING D**  
SCALE: 1" = 10'-0"



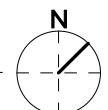


**BUILDING E**  
SCALE: 1" = 10'-0"





**BUILDING F**  
SCALE: 1" = 10'-0"





## WHAT IS MASS TIMBER / CROSS LAMINATED TIMBER (CLT)?

- Manufactured out of small diameter timber
- Assembled into large format structural slab
- Strong, yet lightweight
- Environment benefits
- Allowed by Building codes



Exposed interiors are beautiful, warm and natural

## CARBON STORY FOR LINCOLN HIGH SCHOOL

- V** Volume of wood products used:  
12,120 cubic feet of mass timber
- T** U.S. and Canadian forests grow this much wood in: 1 minute
- C** Carbon stored in the wood:  
306 metric tons of CO<sub>2</sub>
- CO<sub>2</sub>** Avoided greenhouse gas emissions:  
118 metric tons of CO<sub>2</sub>
- ✓** **TOTAL POTENTIAL CARBON BENEFIT:**  
424 metric tons of CO<sub>2</sub>

### EQUIVALENT TO:

- 90 cars off the road for a year
- Energy to operate 45 homes for a year

Source: US EPA

Estimated by the Wood Carbon Calculator for Buildings, based on research by Sarthre, R. and J. O'Connor, 2010. A Synthesis of Research on Wood Products and Greenhouse Gas Impacts, FPInnovations. Note: CO<sub>2</sub> on this chart refers to CO<sub>2</sub> equivalent.



Precision machined, provides high level of construction quality

Click to view installation of CLT panels





Click to take tour  
of Sacred Heart  
School Exteriors



SACRED HEART SCHOOL, ATHERTON CA



SAN LEANDRO USD DESIGN-BUILD NEW HIGH SCHOOL CAMPUS

DESIGN PACKET

TIMBERQUEST EXAMPLE  
PROJECT

A14