



COURAGE CAMPUS - A PLACE OF HEALING & RE-DISCOVERY

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REFLECTION



Problem Statement

How can design help reintegrate combat veterans with physical and psychological needs strengthen their connections back into society?

Claim

Architecture can evoke and foster influences through compositional elements. Through this environment these architectural compositions' can aid wounded warriors with physical and psychological states to reintegrate them back into society.

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The environment that Architecture creates can encourage and stimulate well-being, influencing positive outlook for recovering veterans.

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Unifying Idea

By facilitating the veterans healing process using individual and family therapy to create a haven through architecture that positively impacts the physical and psychological changes for veterans. Each veterans experience using this reintegration will affirm the individuals grasp to regain their strength back into society.

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Project Typology

The chosen typology is a staffed transitional living and reintegration campus. The campus will offer many facets of healing for veterans and their family.

Goals for Thesis

- Giving a place where veterans can find help without pressure from ones unit/backlash to duty.
- Providing a outlet for disconnected veterans/service members to discuss & address issues with their own physical or psychological disabilities.
- Creating a place where veterans feel at home among others going through the same issues.
- Offering multiple treatment opinions from one-on-one therapy, group therapy, and even family & friends.

Questions to address in thesis

What is community?

What does brotherhood stand for?

How can architecture benefit combat veterans ability to cope with their physical and psychological disabilities?

What steps does the military take to offer the necessary treatment for wounded service members?

How will this campus encourage veterans to regain the stability to transition back into society?

What type of care should be provided that would be the most beneficial?

What is the extent of stay for veterans at the campus?

What does solitude mean for a service member?

Site Information



Medina Natural River Area
San Antonio, TX

Medina River Greenway

Leon Creek Greenway System

Salado Creek Greenway System

Westside Creeks and Central City Trails

Medina River Greenway System

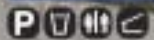
These public trails combined make-up over 121.27 miles and stretched over 1,200 acres of park land.

Medina Greenway Trails

Medina River Greenway

Site Location

Medina River Natural Area



LEGEND

- Bridge
- Parking
- Restroom
- Shelter/Pavilion
- Drinking Water
- River/Creek
- Road

There are 7 miles of trails including switchbacks with slopes as steep as 8.3%.

Trail Access Information Typical Trail Conditions								
Trail Name	Length	Typical Grade	Maximum Grade Standard Range is 8.3%	Typical Cross Slope	Maximum Cross Slope	Typical Tread Width	Minimum Clearance Width	Surface Type
Medina River Greenway	6.9 mi	2.7%	7.3% to 12% - 28%	1.3%	5.7% to 6% - 8%	37 in	60 in	Concrete/Pugmill

Trail Map. (2011, January 1). Retrieved May 1, 2014, from http://www.sanantonio.gov/parksandrec/pdfs/MedinaRiver_map.pdf

Character of Site



-  Winter breeze
-  Summer breeze
-  Noise
-  Vehicle Traffic
-  Walking/ Biking Trails
-  Medina River

Cardinal Direction of Site



North



Northeast



East



Southeast



South



Southwest



West



Northwest

Sense of the Site



Sense of the Site



Overview of Campus

- Grand Total of 221,800 sq.ft.



PROCESS STUDIES



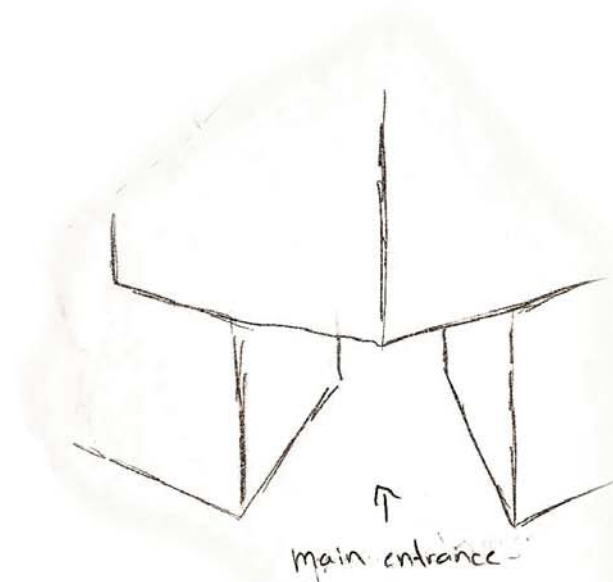
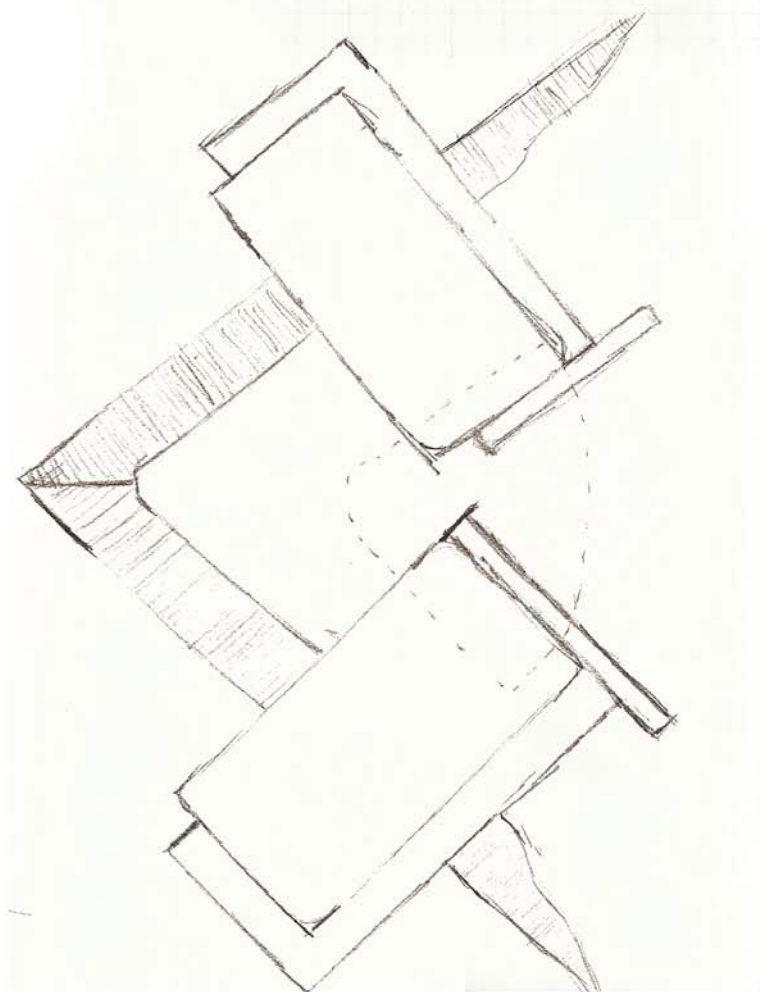
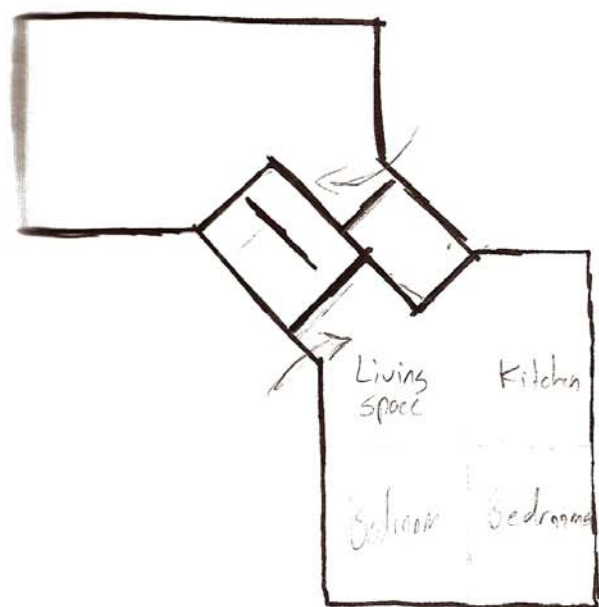
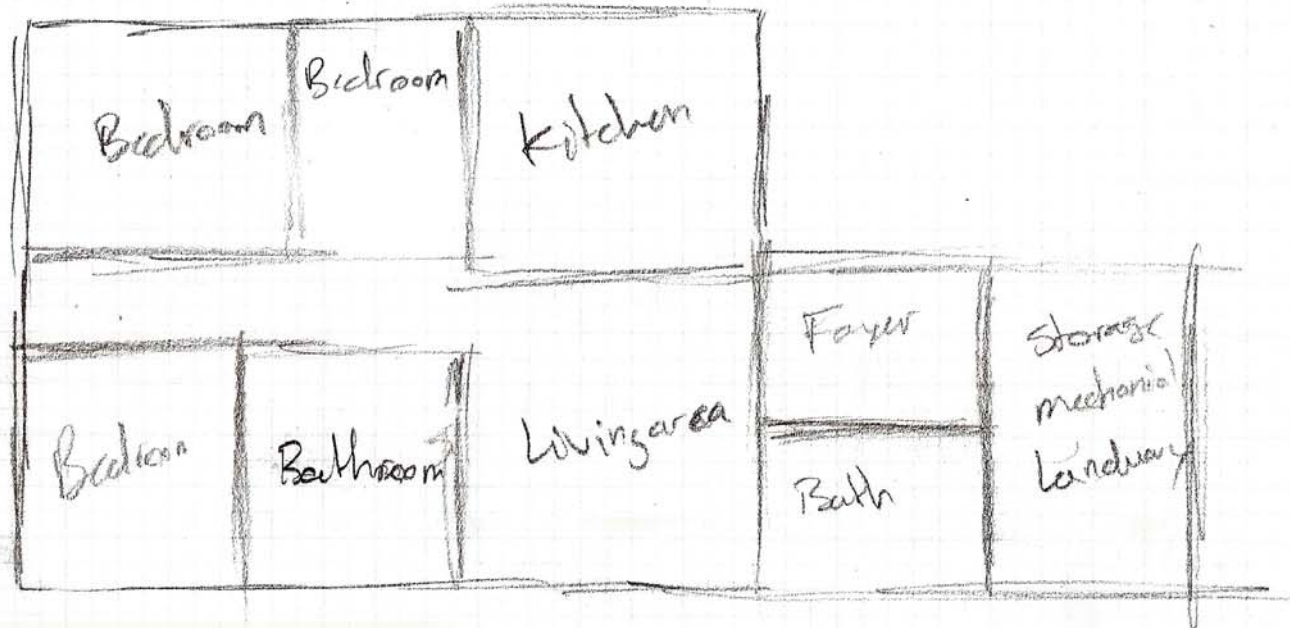
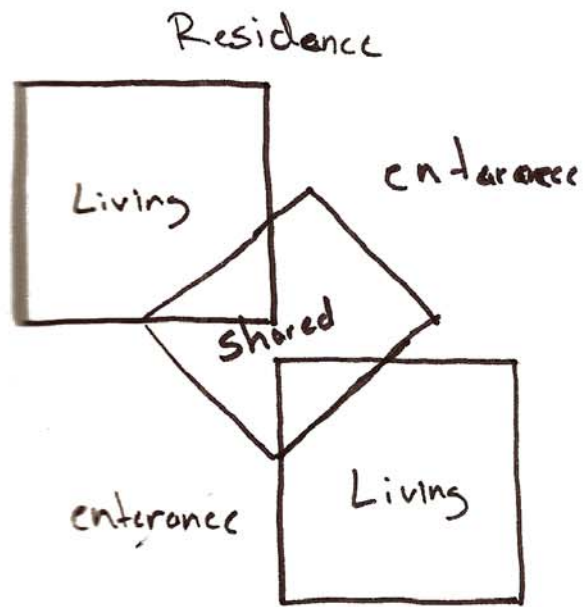
Concept



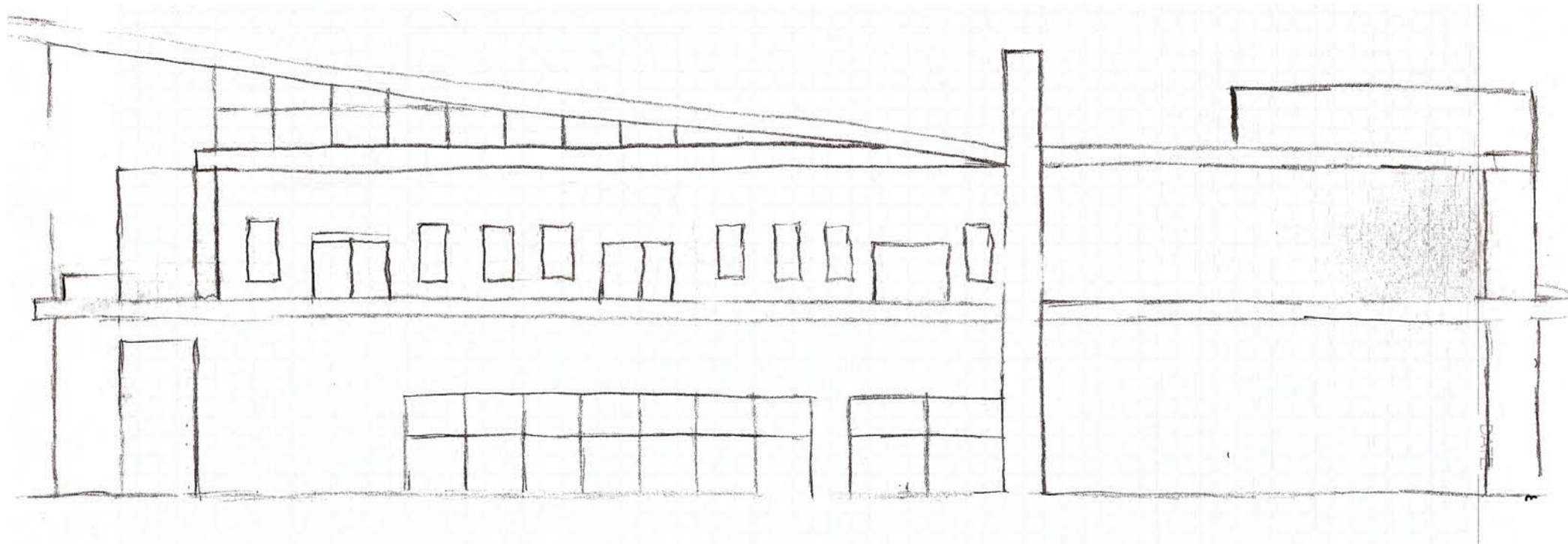
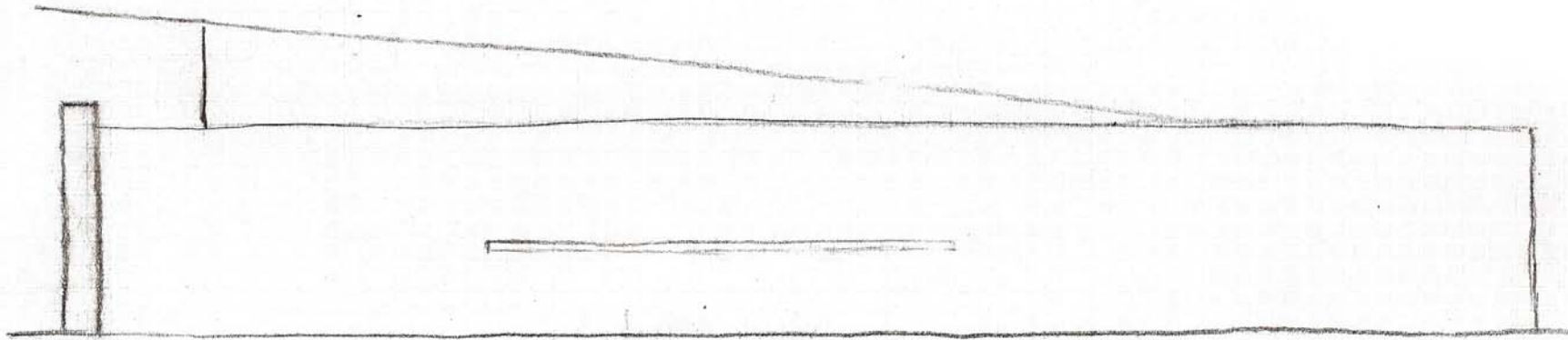
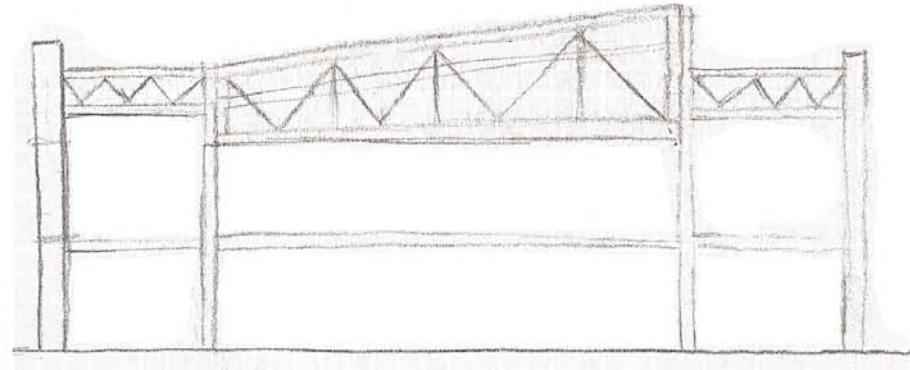
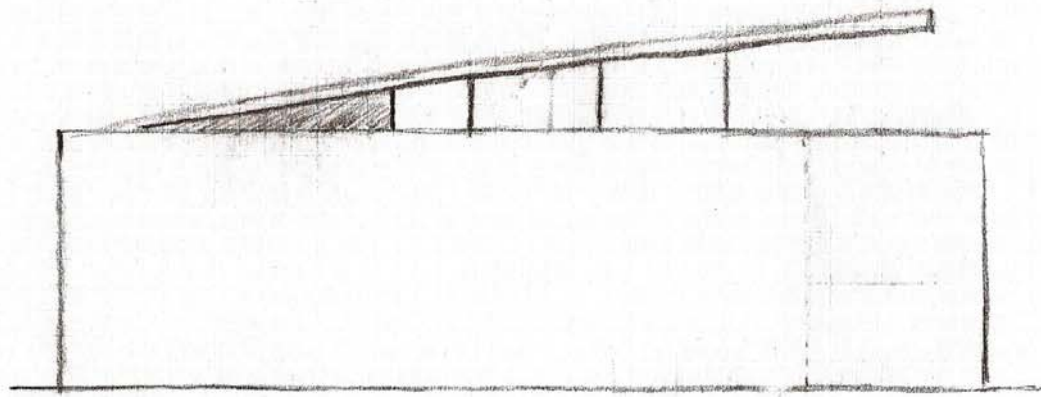
The cube is the representation of balanced human life; being physical, mental, emotional, social, financial, and spiritual. The rifts through the sides of the cube are the physical and psychological disabilities of the veterans. The sphere represents the veterans re-establishment back into society which the rods guide them to those connections. The sphere is not perfect which is betrayed by the cracked glass that reflects back to the cube in its balanced state. Allowing the veterans to continually work toward being balanced through and beyond their recovery.



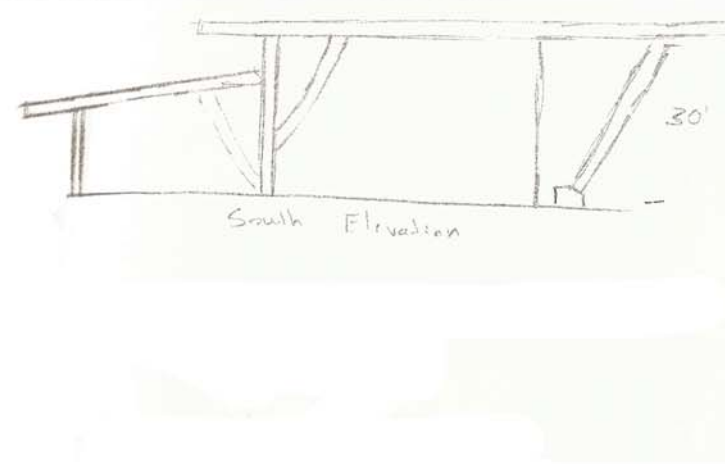
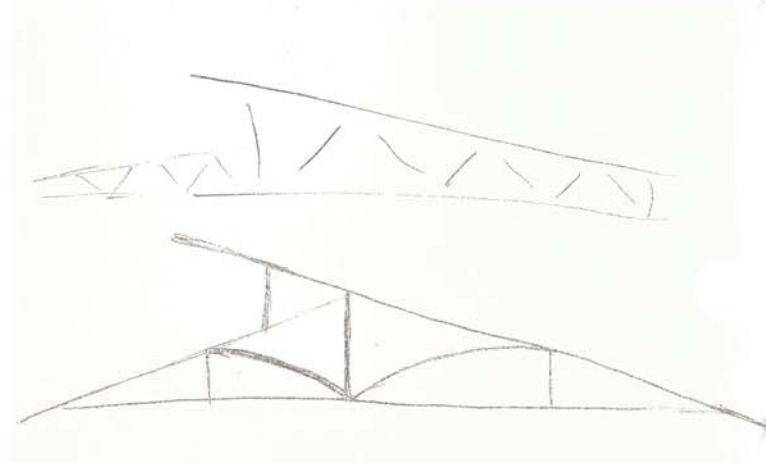
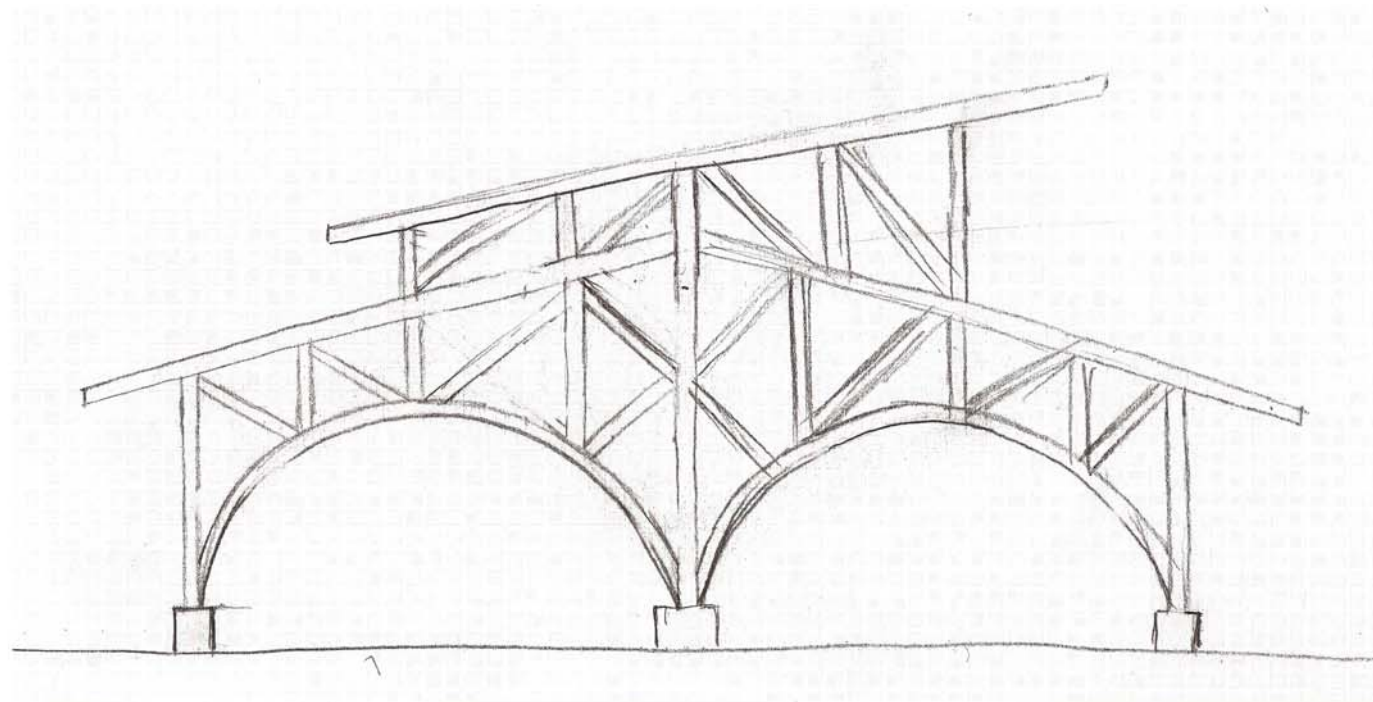
Spatial Studies Development



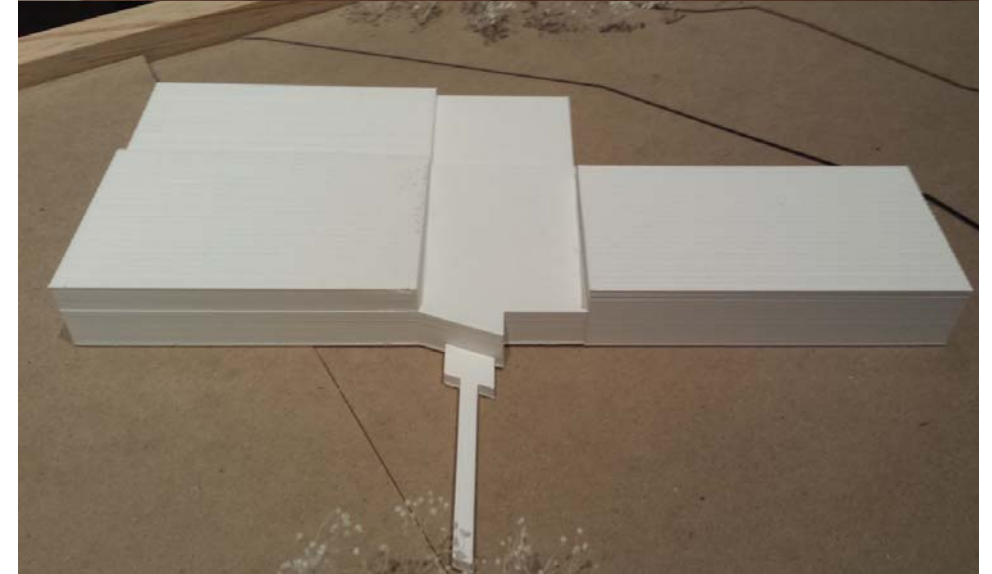
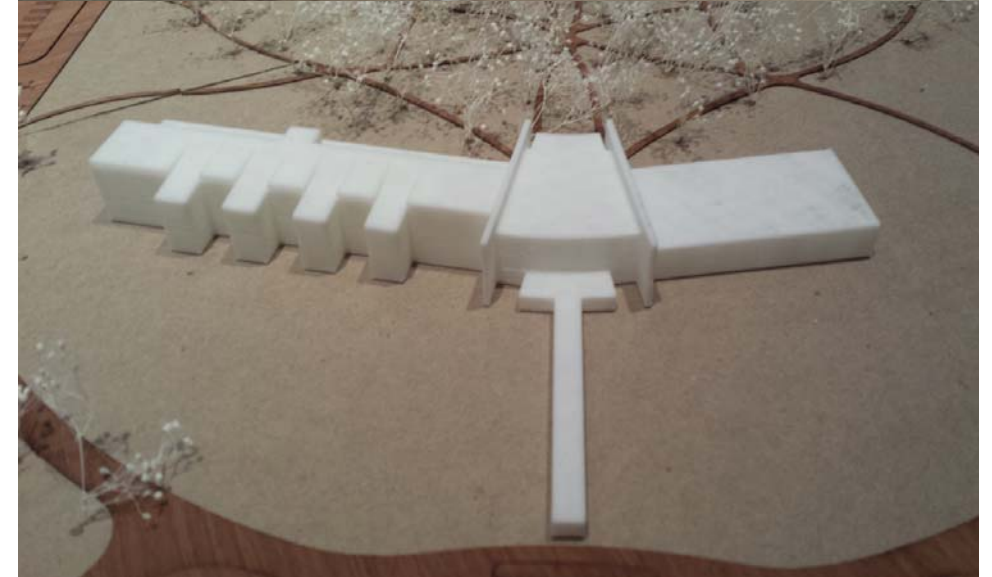
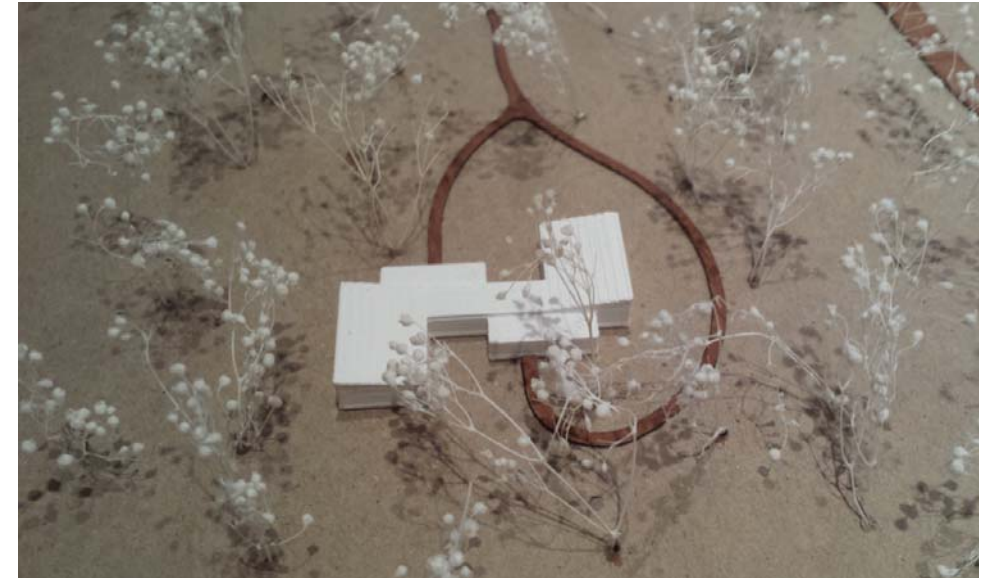
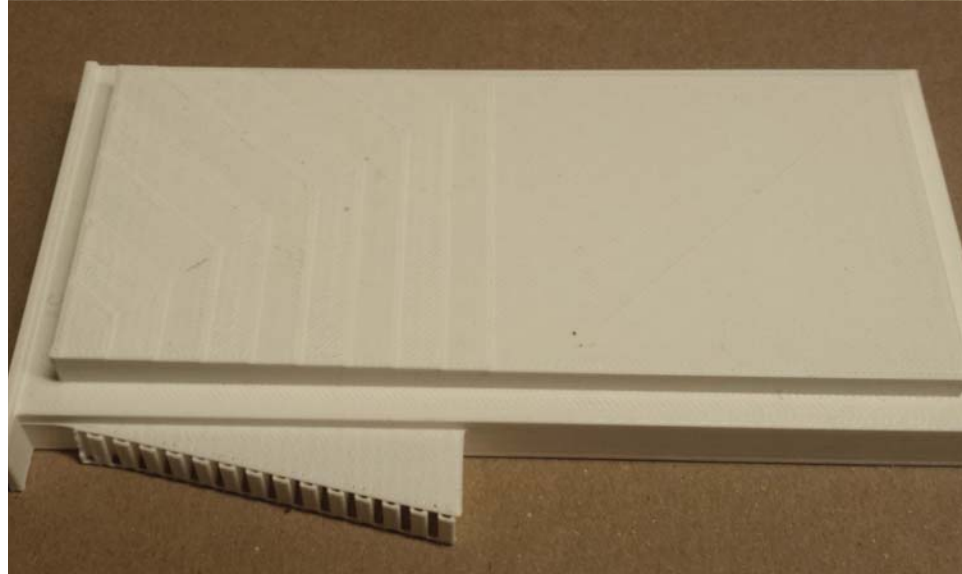
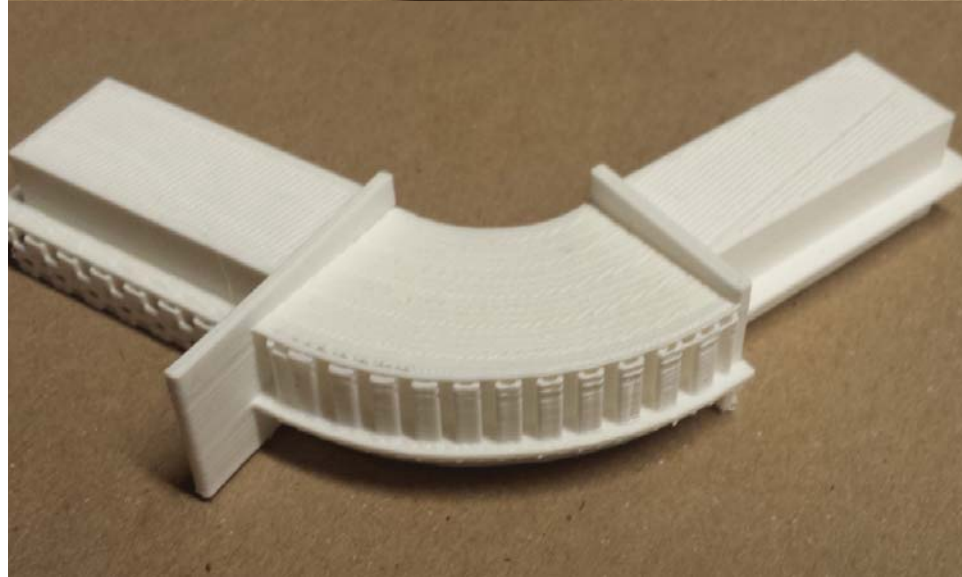
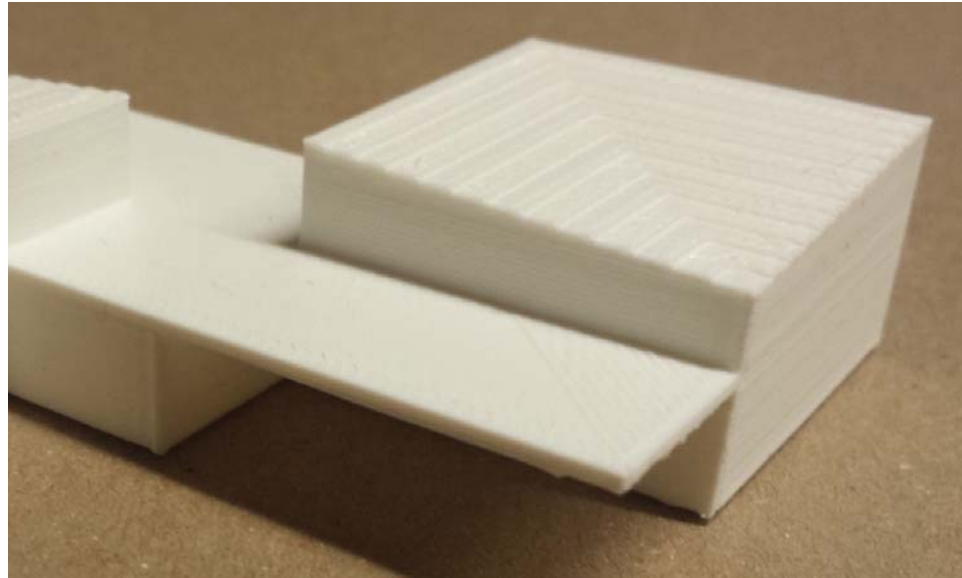
Elevation Studies Development



Structure Process Development



Process Models

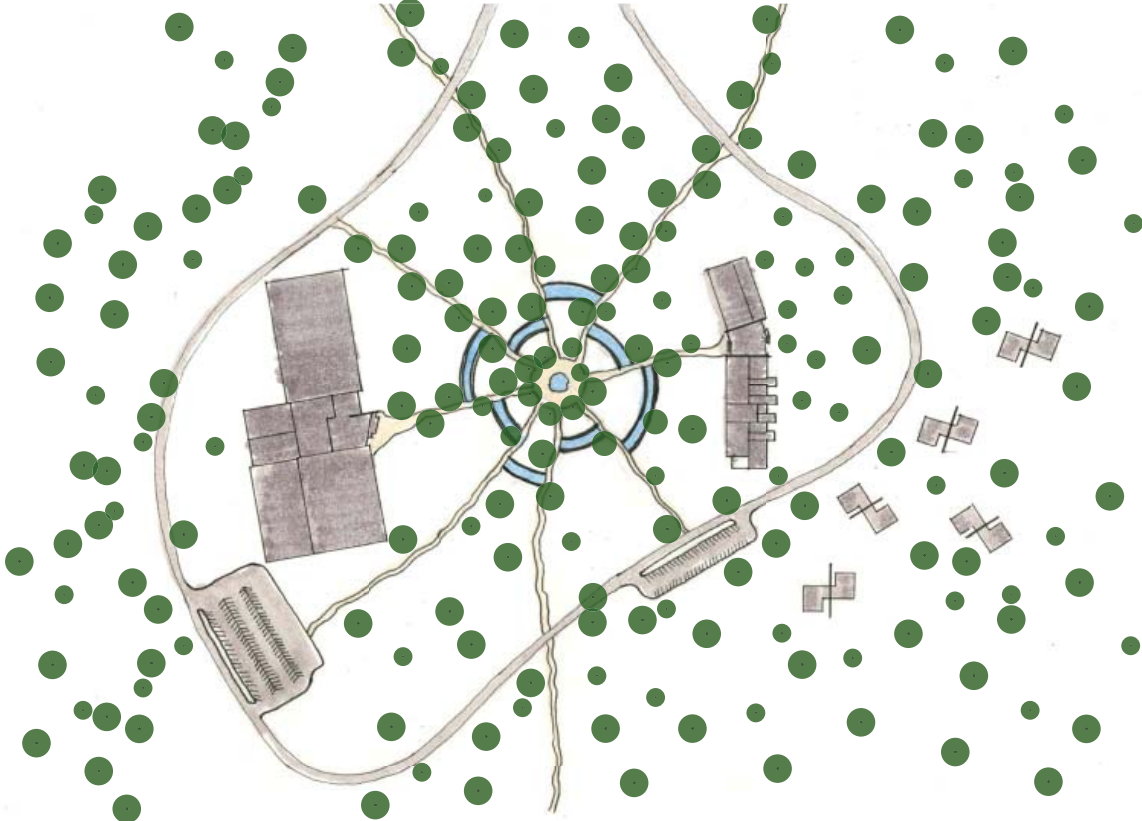


Healing Garden Studies

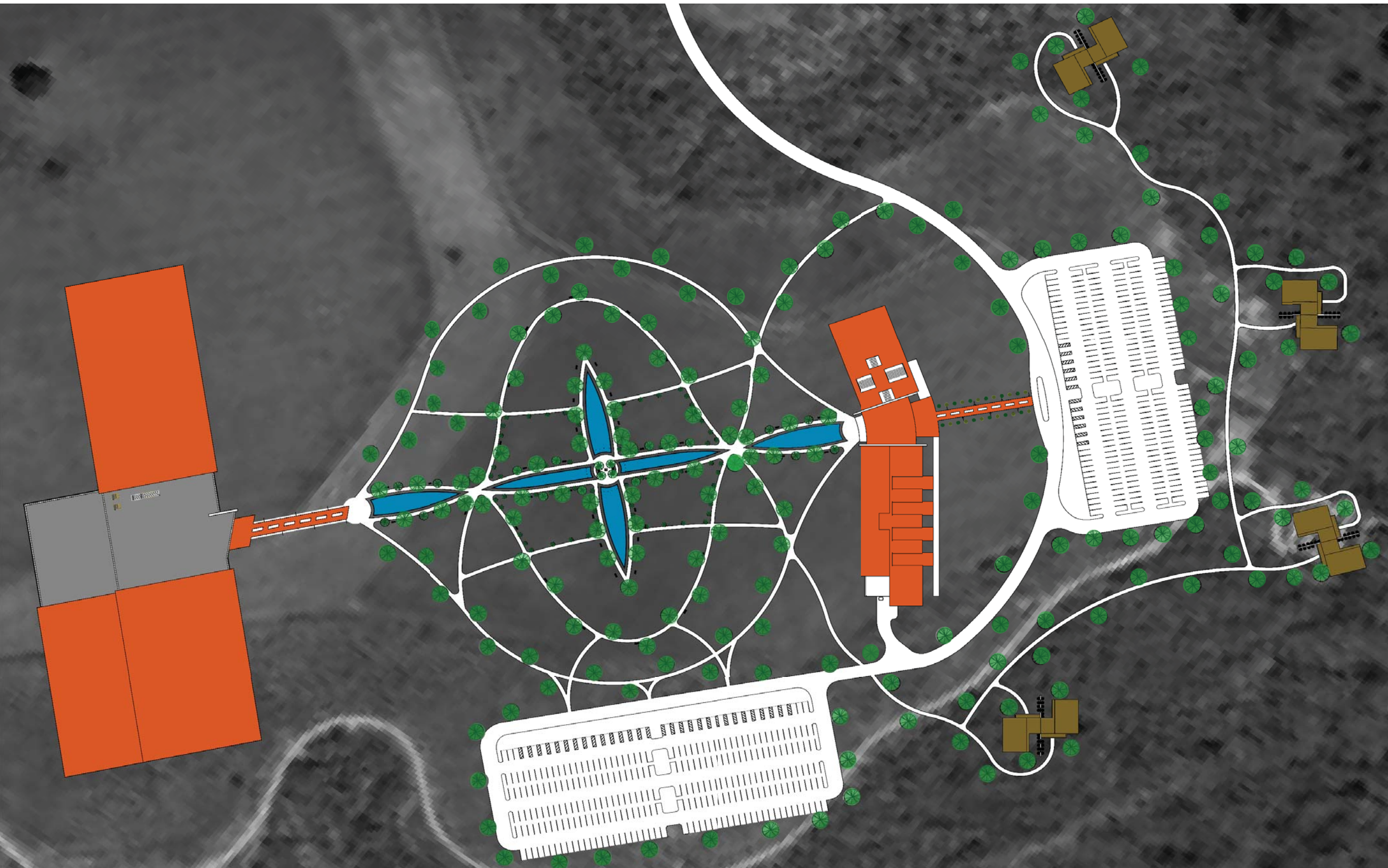
Option 1



Option 2



Healing Garden Final Design



Healing Garden Perspective

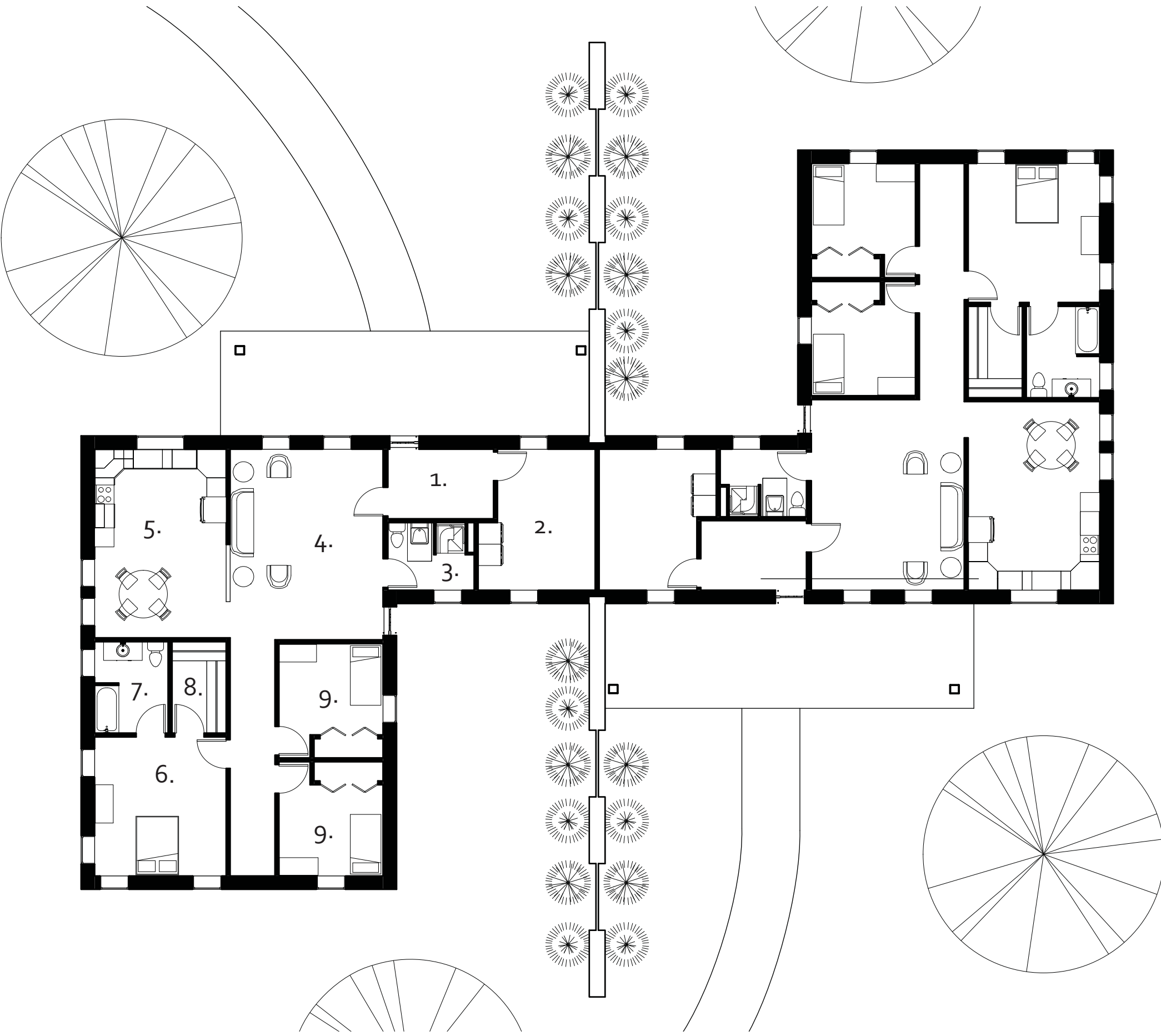


FINAL DESIGN





FAMILY HOUSING



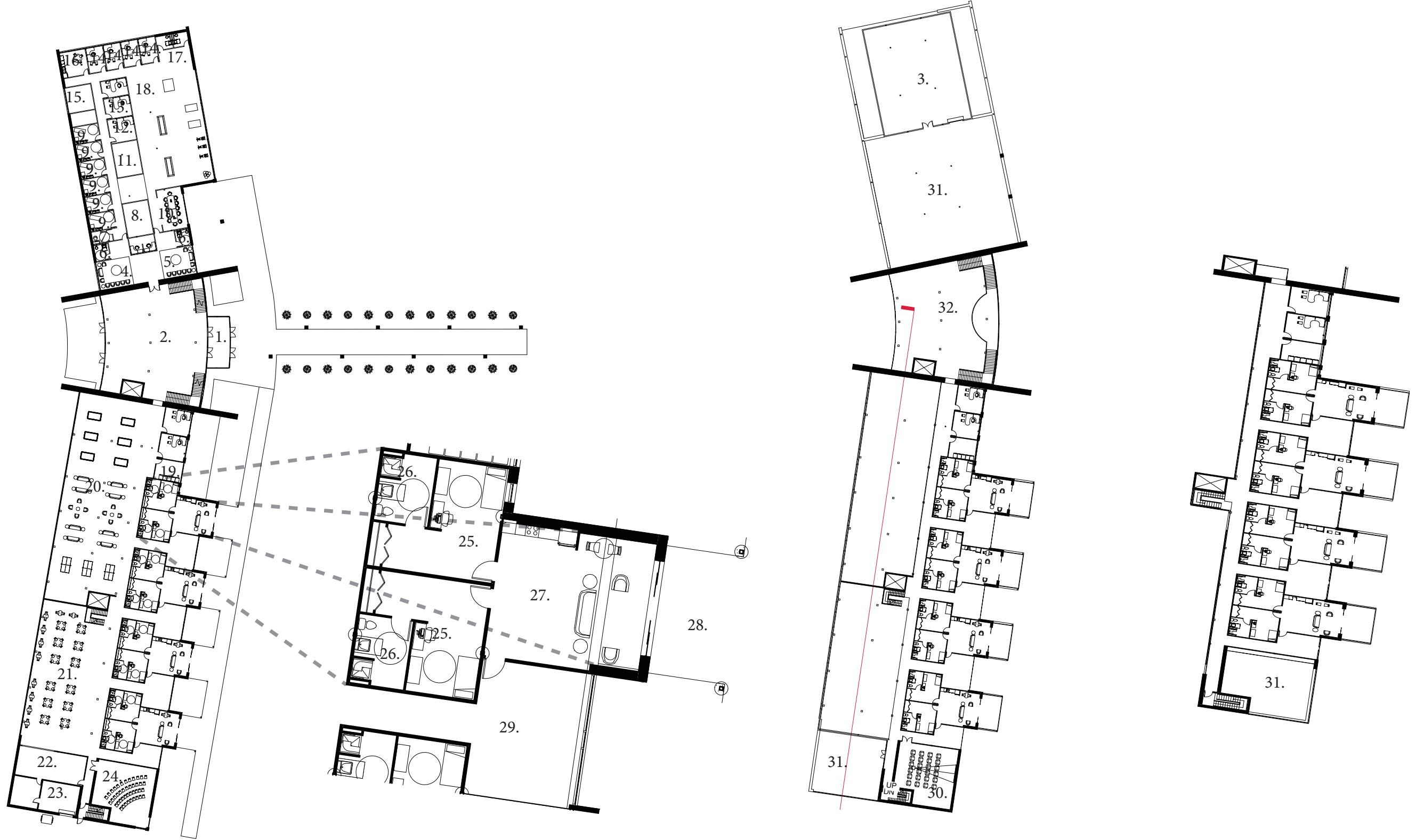
Drawing Legend

- 1. Foyer
- 2. Stor., Mech., Laundry
- 3. Bathroom
- 4. Living-room
- 5. Kitchen/Dining
- 6. Master Bedroom
- 7. Master Bath
- 8. Walk-In
- 9. Bedroom

- Total of 9,600 sq. ft.



PITTMAN RICHARD, CLINIC & SINGLE HOUSING



- Total of 55,400 sq. ft.

- Total of 36,000 sq. ft.

- | | | | |
|----------------------|------------------------|-------------------|----------------------|
| 1. Vestibule | 9. Exam Room | 17. Restroom | 25. Bedroom |
| 2. Atrium | 10. Conference Room | 18. Group Therapy | 26. Bathroom |
| 3. Mechanical Room | 11. Lab Testing | 19. Laundry Room | 27. Commons Room |
| 4. Primary Waiting | 12. CEO Office | 20. Rec Hall | 28. Outside Deck |
| 5. Secondary Waiting | 13. CFO Office | 21. Dining Hall | 29. Foyer/ Gathering |
| 6. Public Restroom | 14. Staff Office | 22. Kitchen | 30. Theater Room |
| 7. In-Take | 15. Individual Therapy | 23. Storage | 31. Outside Terrance |
| 8. Lab Research | 16. Breakroom | 24. Chapel | 32. Upper Mezzanine |

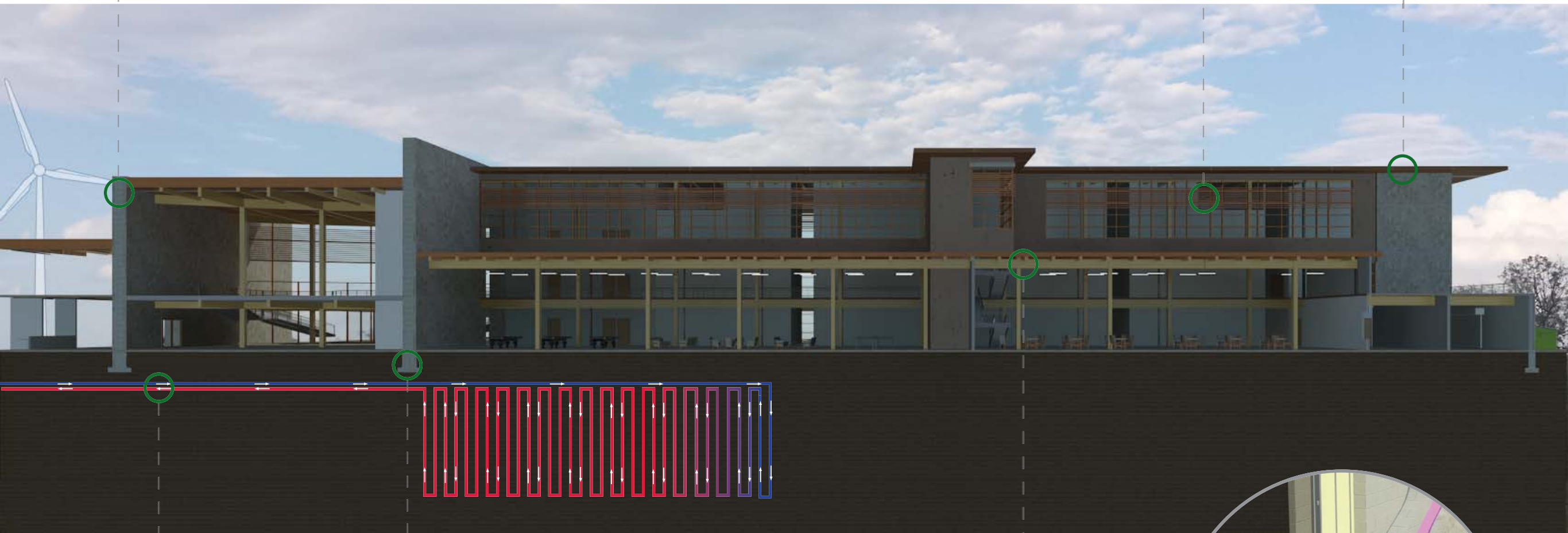
Materials/Systems Used



Standing Seamed Metal Roofing

Aluminum Louver Sun Screen

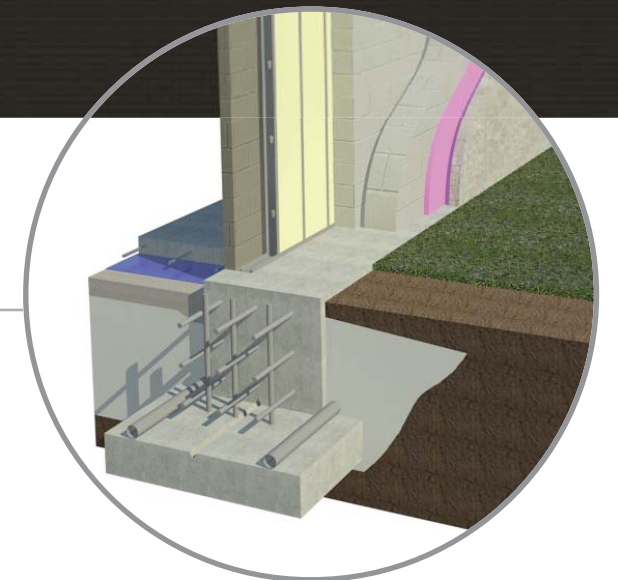
Sandstone Wall w/Concrete Backing



Reinforced Concrete Footings and Foundation Wall

Glue-Laminated Superstructure

Geothermal Heating





RECREATION HALL



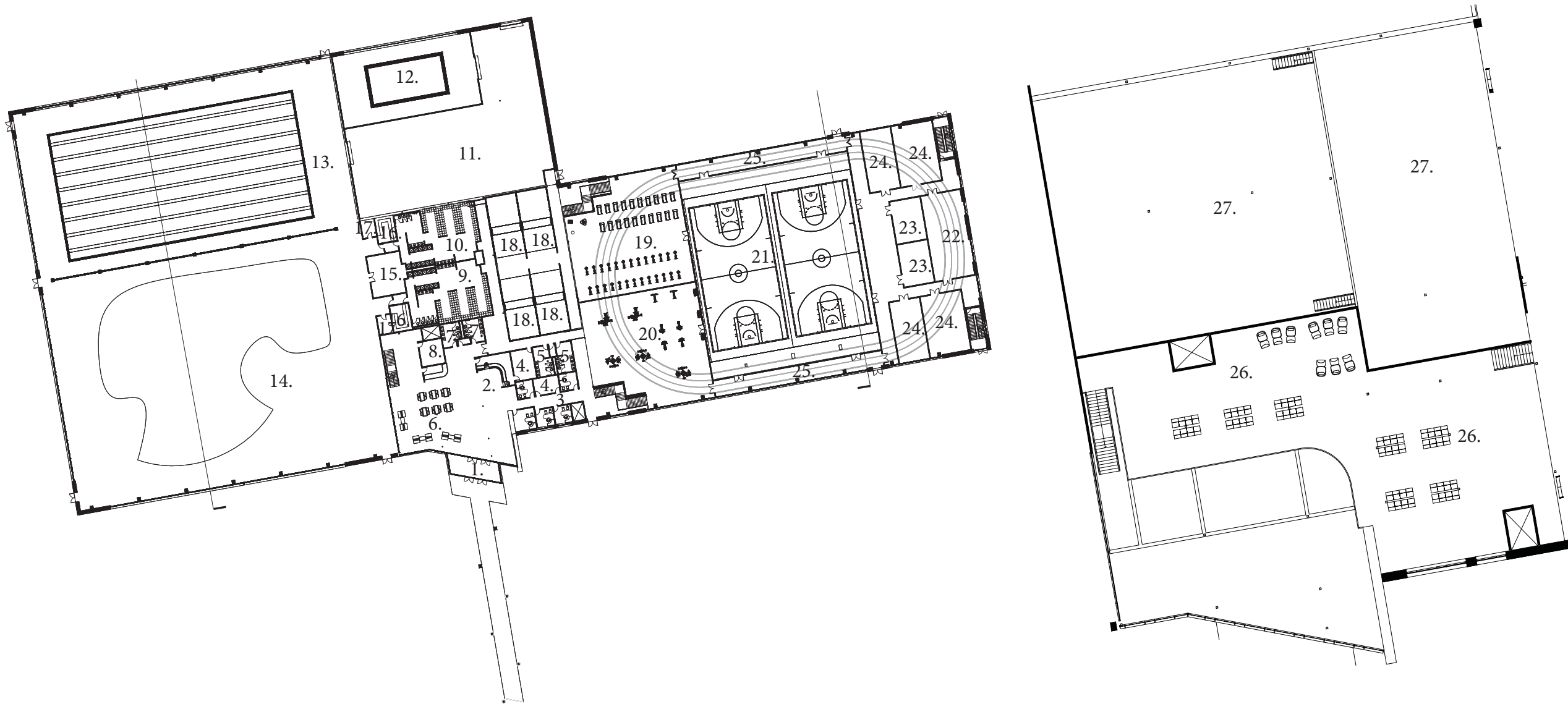
COMMON ROOM



GROUP THERAPY



PITTMAN RICHARD, WELLNESS CENTER



- | | |
|-----------------------------|---------------------------|
| 1. Vestibule | 17. Message |
| 2. Control Area/ Reception | 18. Hand Ball Court |
| 3. Staff Offices | 19. Cardio Area |
| 4. Storage | 20. Free Weight's |
| 5. Restroom | 21. Gymnasium |
| 6. Lounge Area | 22. Group Therapy |
| 7. Public Restroom | 23. Classrooms |
| 8. Snack Bar | 24. Flex Space |
| 9. Women's Locker Room | 25. Running Track |
| 10. Men's Locker Room | 26. Mezzanine Lounge Area |
| 11. Maintenance/ Pool Stor. | 27. Mechanical Room |
| 12. Therapy Pool | |
| 13. Lap Pool | |
| 14. Family Pool | |
| 15. Pool Filtration Room | |
| 16. Sauna | |

- Total of 120,800 sq. ft.

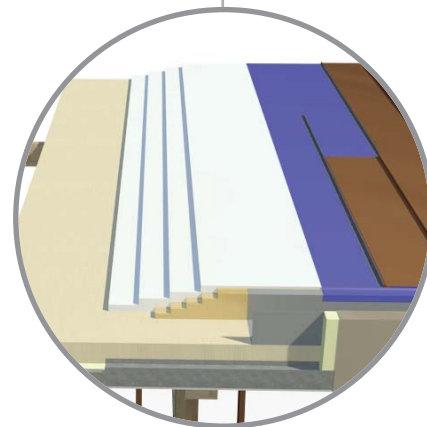
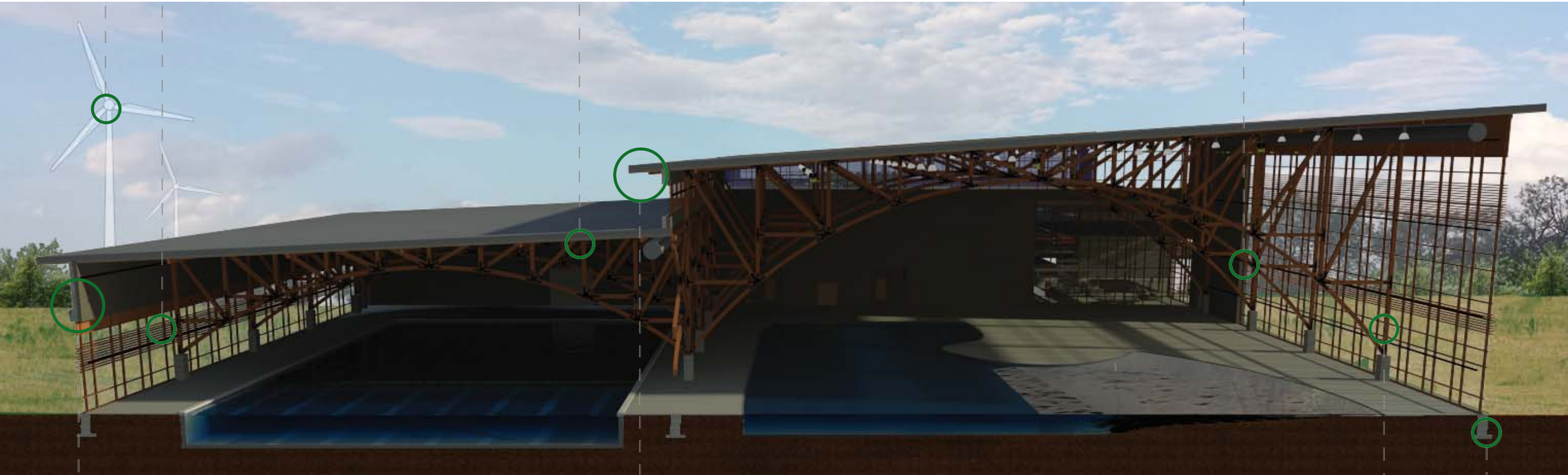
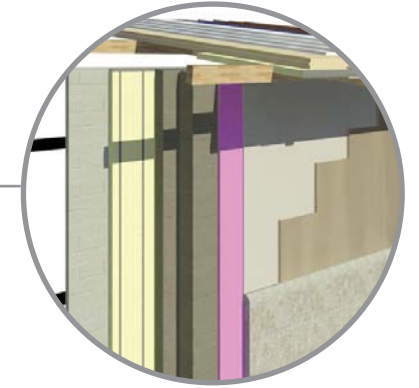
Materials/Systems Used

Wind Energy

Aluminum Louver Sun Screen

Standing Seamed Metal Roofing

Stacked Sandstone and Metal Siding Panels

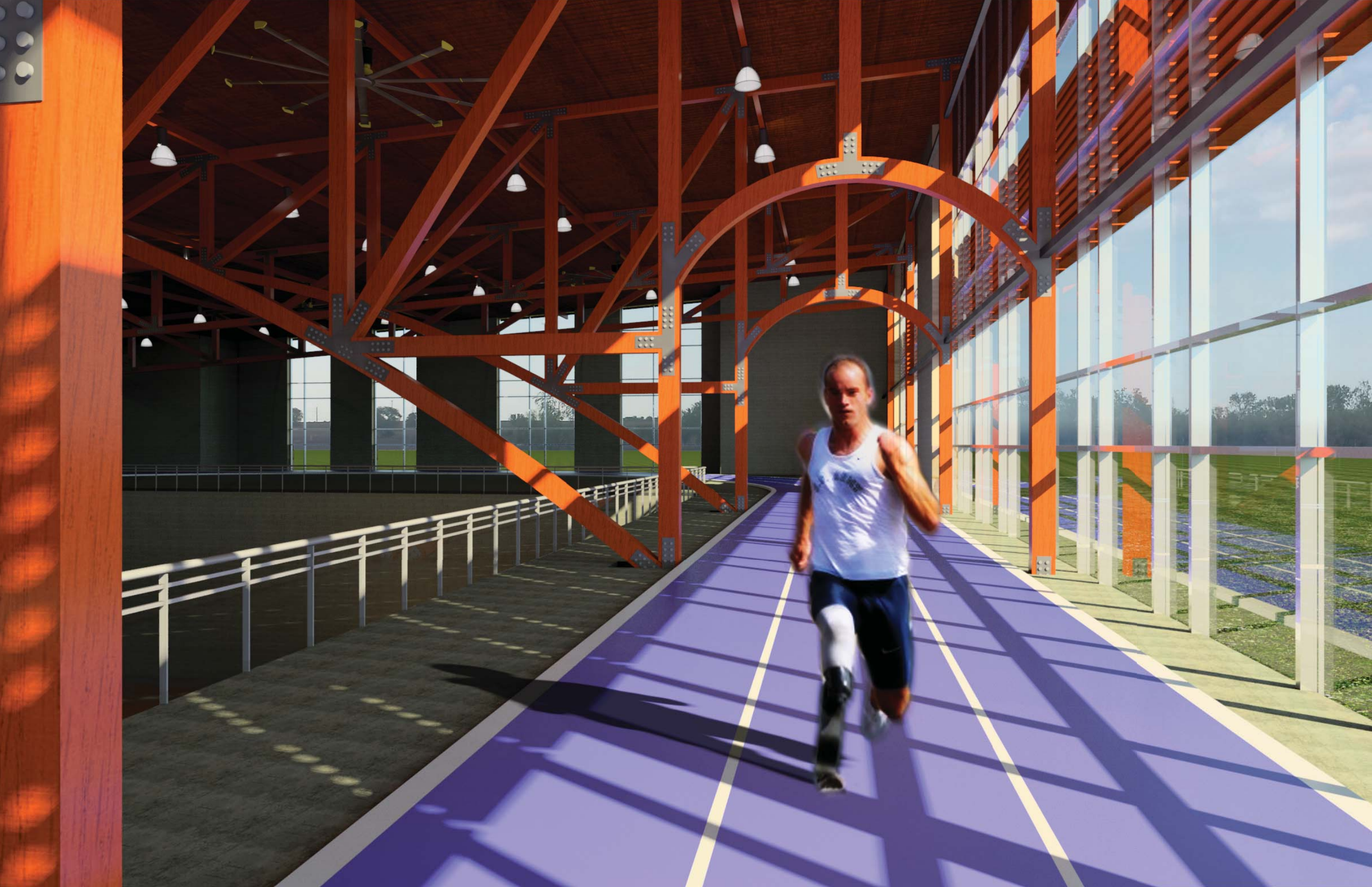


Glue-Laminated Superstructure

Reinforced Concrete Footings and Foundation Wall



LAP POOL



TRACK



LOUNGE/SNACK BAR

Conclusion to Thesis Questions

What is community? A group of people who share the same interests, religion, race, etc.

What does brotherhood stand for? An association, society, or community of people linked by a common interest, religion, or trade.

How can architecture benefit combat veterans ability to cope with their physical and psychological disabilities? By designing a place for veterans with multiple disabilities, while continuing to expand as current technologies change.

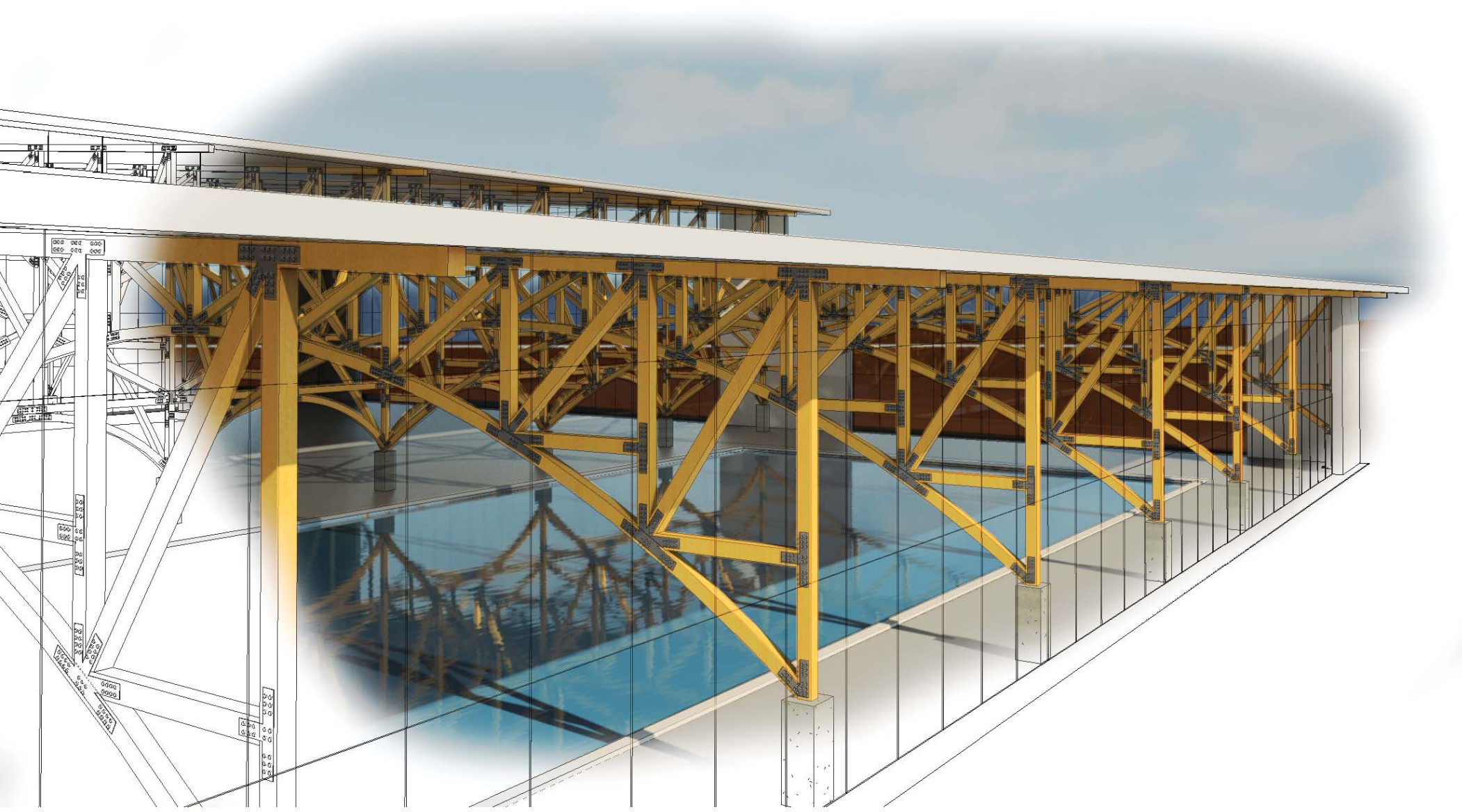
What steps does the military take to offer the necessary treatment for wounded service members? During service, mandatory classes address forms of mental disabilities, suicide, drugs, along with VA benefits and G.I. Bill Benefits. Other organizations include: DAV, Paralyzed Veterans of America, Wounded Warrior Project, Military Source One. VA Network (The Veterans Health Administration is America's largest integrated health care system with over 1,700 sites of care, serving 8.76 million Veterans each year.)

How will this campus encourage veterans to regain the stability to transition back into society? Offering multiple treatment options, direct connections with other veterans of common interests and disabilities, and providing different places of solitude.

What type of care should be provided that would be the most beneficial? This is dependent upon the individual.

What is the extent of stay for veterans at the campus? This can only be defined by the owner or by the requirements of each service member themselves.

What does solitude mean for a service member? Depends on the individual.



THANK YOU

Questions?