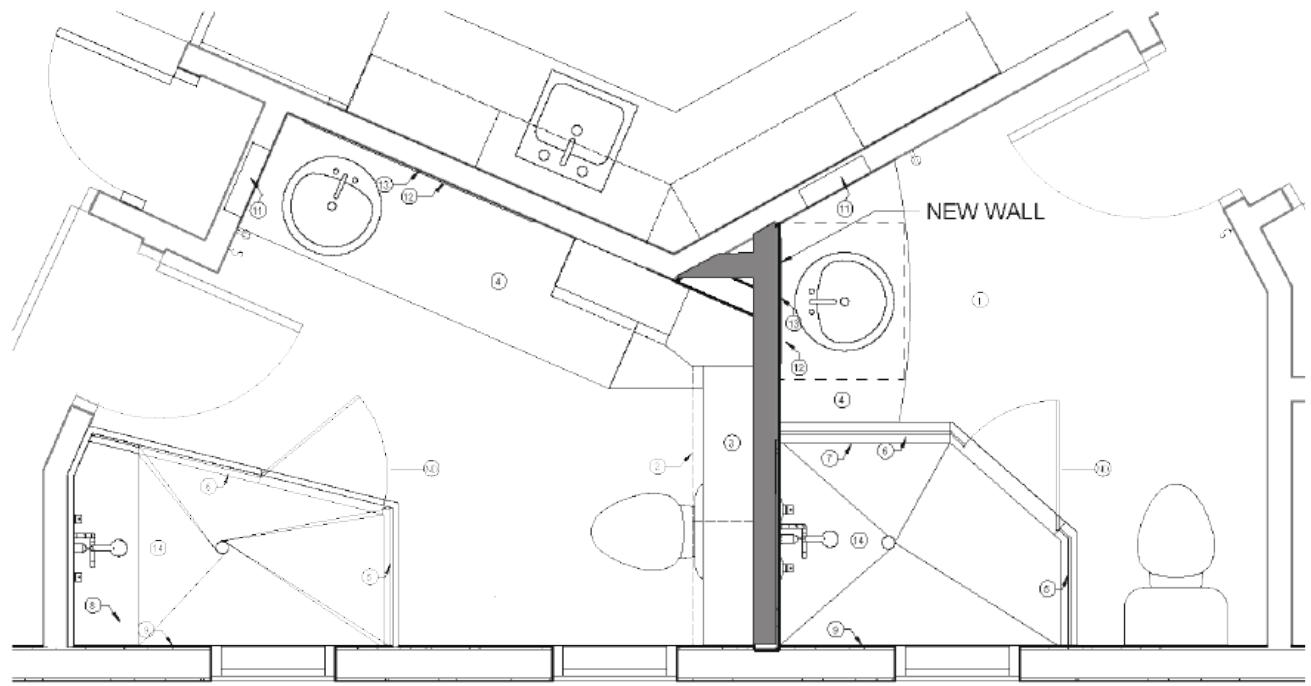


# EMILY ESCALANTE

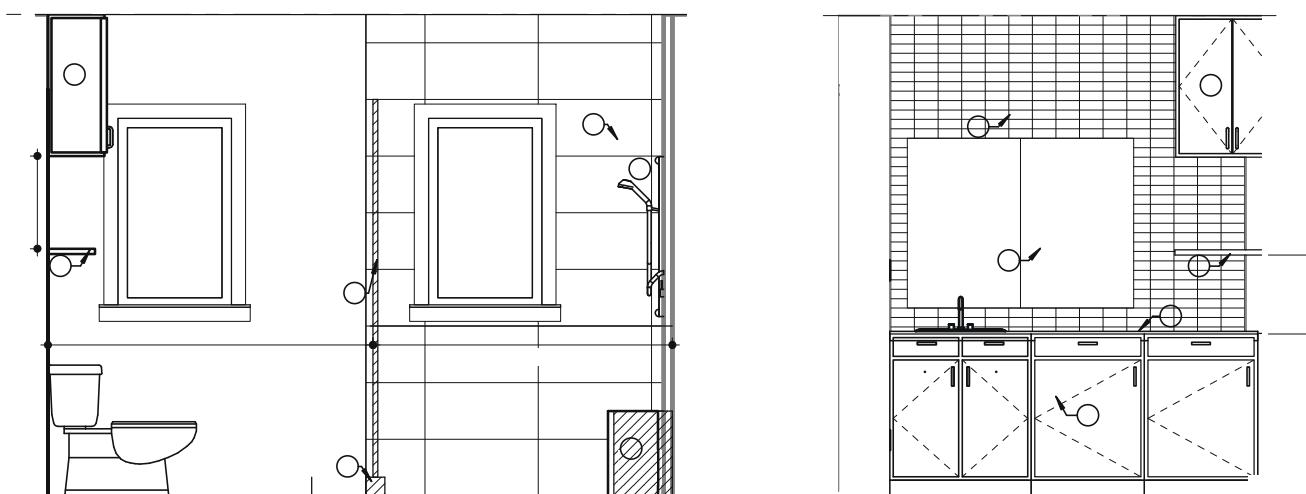
ARCHITECTURE PORTFOLIO

ADDRESS - JOHN MARTIN CT #668. EL PASO TX. 79932. PHONE NUMBER - (915) 781-6020

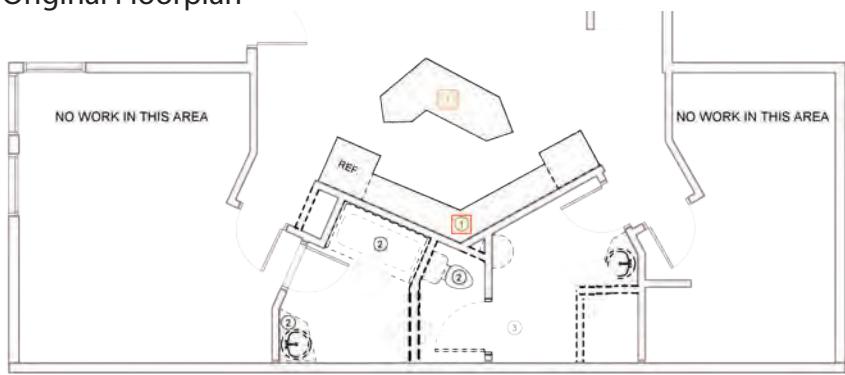
## Renovations



## Elevations

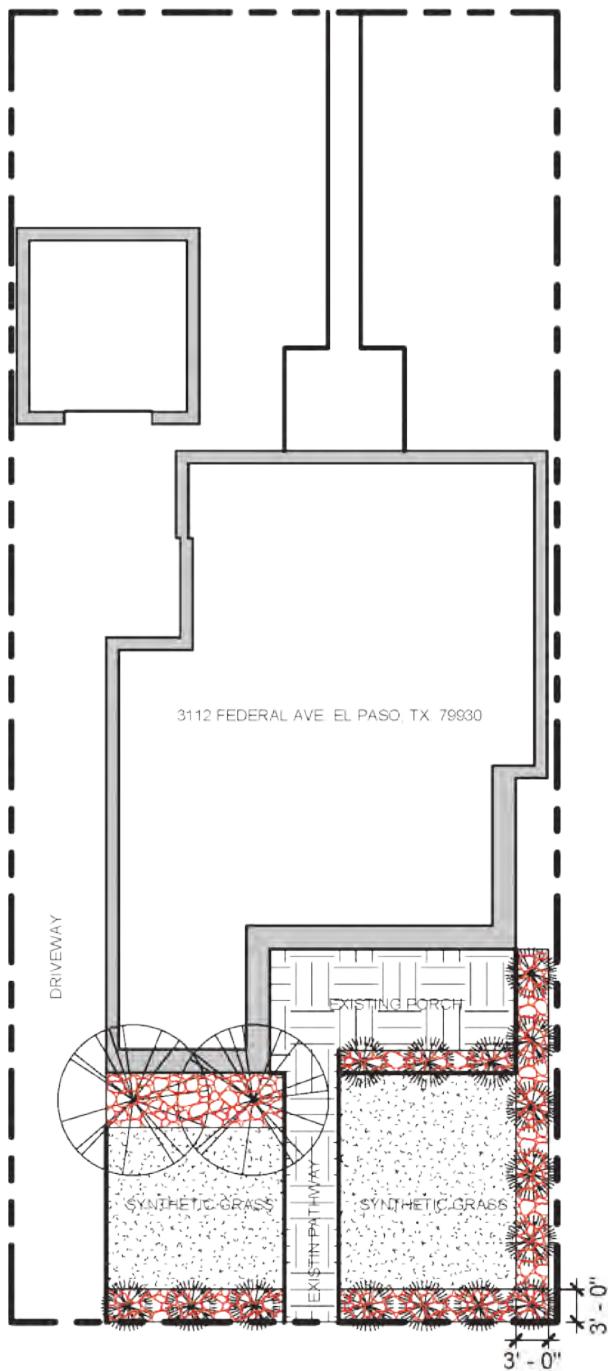


## Original Floorplan

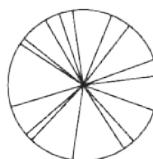


The future renovation project aimed to transform the master and second bathrooms into luxurious and functional spaces that reflected modern design while maximizing comfort and convenience. Through the selection of materials, fixtures, and finishes, the project can achieve a balance between style and functionality, and modernism.

Work in Association with: WDA  
Phase: Design Development  
Software: Revit



LEGEND



TREES TO REMAIN



EVERGREEN BUSH (TEXAS SAGE)  
BUSH SAGE, JUNIPER



3/4" CRUSTED GRAVEL  
(WARM RED VERIFY TONE WITH CLIENT)

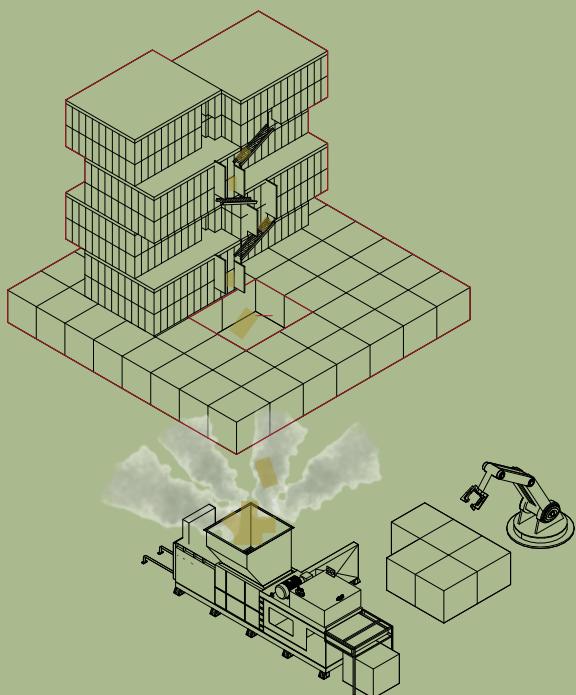
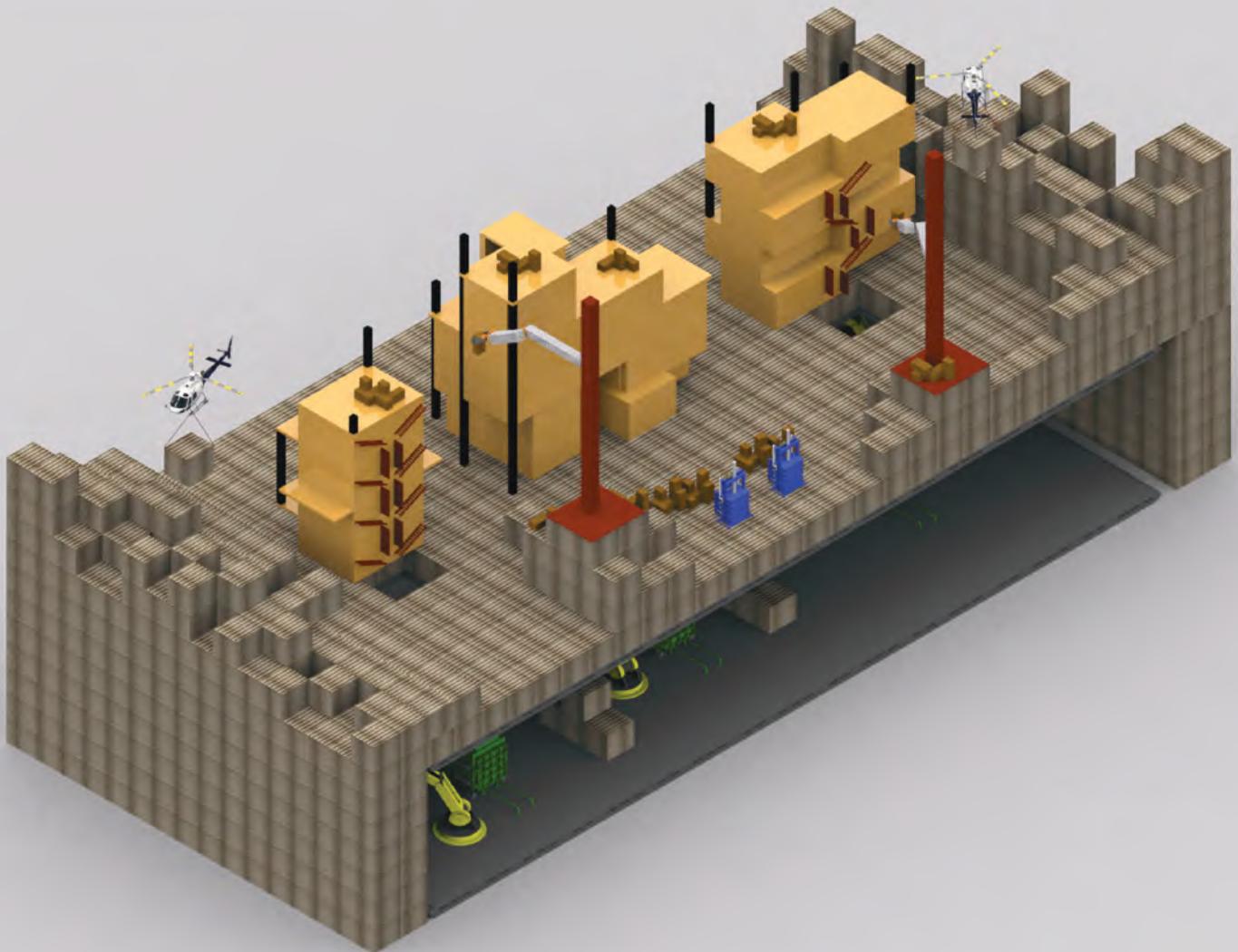


SYNTHETIC GRASS

6" METAL EDGE FOR LANDSCAPE

Landscape renovation project embarked on a journey towards sustainability by replacing traditional lawns with synthetic grass. This eco-friendly alternative not only minimized water consumption and maintenance. There were constraints of historic zoning regulations, the landscape renovation project embarked on a creative journey to blend tradition with innovation. By incorporating a balanced mix of natural and synthetic elements, the outdoor space will transform into the desired landscape that respected the historical context while embracing modern sustainability.

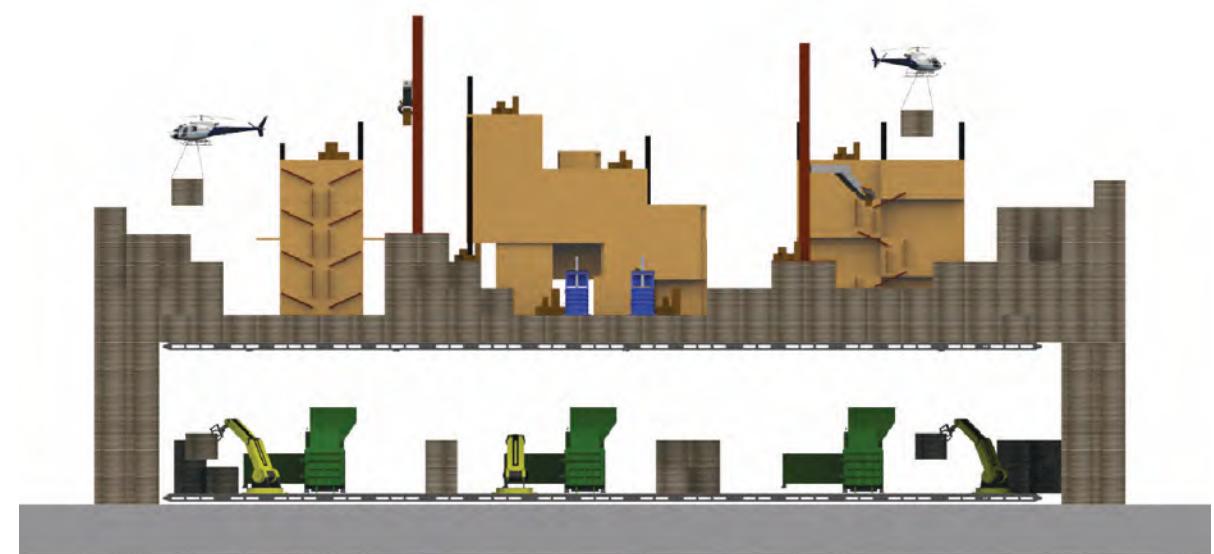
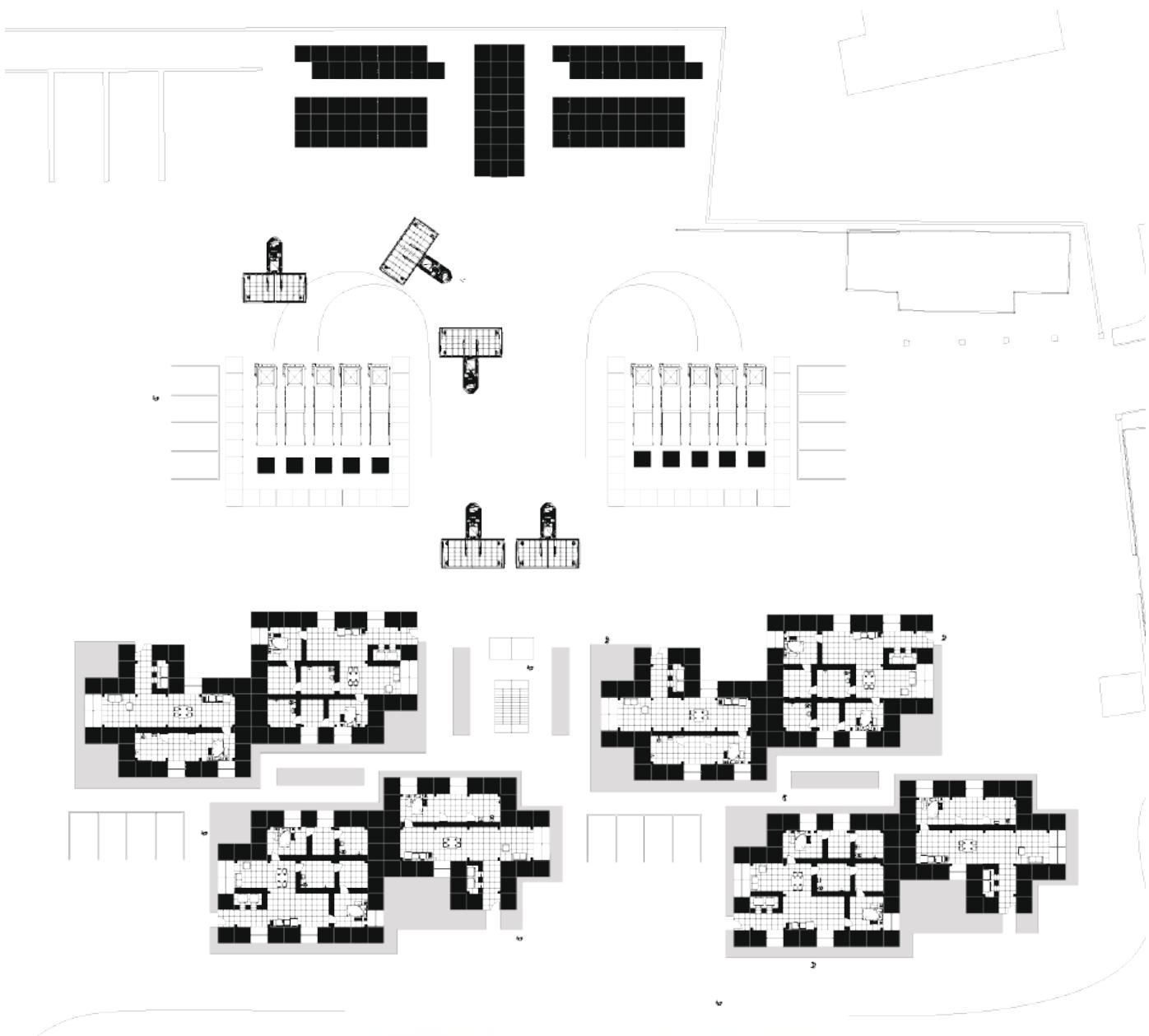
Work in Association with: WDA  
Phase: Design Development  
Software: Revit



The groundbreaking project aimed to revolutionize construction practices by utilizing recycled materials to create a sustainable building. Through the innovative use of a recycling machine, 6'x6' blocks of recycled trash were produced, providing the foundation for an environmentally friendly structure that prioritized ease of maintenance and accessibility.

The design concept centered around the concept of circular economy principles, transforming waste materials into valuable resources for construction. By harnessing the capabilities of the recycling machine, the project demonstrates the installation of using recycled blocks as building components. The building's design emphasized modularity, allowing for easy assembly, disassembly, and maintenance over time.

Work in Association with: Texas Tech University  
Software: Rhino 3D





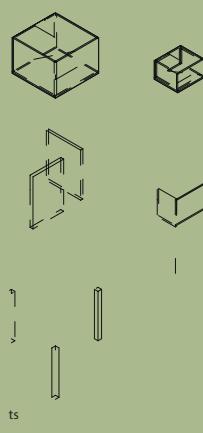
The process required a clear understanding of cataloguing as a tool to drive design. Using architectural content as a means to construct without scale, and to modify their constructs when a specific scale is required.

In this process, we learn the difference between a pixel and a voxel, and between parametric and generative design. Transferring information between digital and physical models and will be exposed to a range of softwares that engage and propagate different modes of agency. The series of assignments had different requirements need it. Its been a process to konwledge the importance of using rhino and grasshopper.

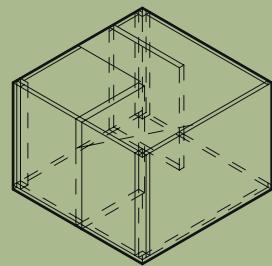
The assignments have a series of different need to be creating a model and shows how each piece is connecting to create the full piece. The model then becomes one piece which works as a puzzle taking and adding the pieces into their corresponded space. Throughout this process, grasshopper become the main tool to create a piece with different colors and figures. The main figures used were rectangles, squares and hexagons. Each figure has its designated color to understand how the figures connect to make the model. The model has a unique way to create it and grasshopper applied with an extension of a script, to get codes to where the pieces need to be intersecting.

Work in Association with: Texas Tech University

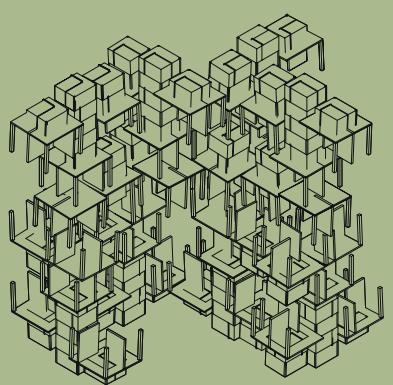
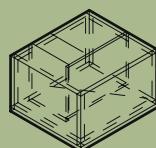
Software: Rhino 3D



Isometric of par



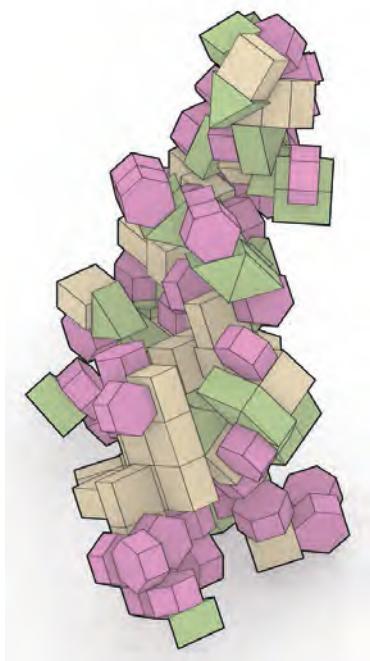
Isometric of modules



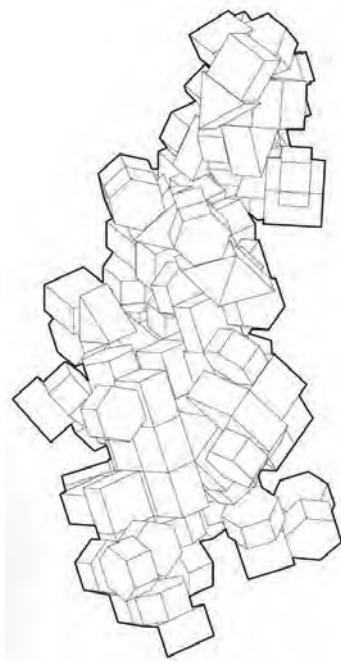
Isometric of aggregat

8. n93.d1 h>c	15. n91.d2 h>c	26. n92.d2 h>c	35. n93.d2 h>c	44. n94.d2 h>c	58. n95.d2 h>c	62. n96.d2 h>c	70. n97.d2 h>c	80. n98.d2 h>c
7. n90.d1 h>c	16. n91.d1 h>c	25. n92.d1 h>c	34. n93.d1 h>c	43. n94.d1 h>c	52. n95.d1 h>c	61. n96.d1 h>c	70. n97.d1 h>c	79. n98.d1 h>c
6. n90.d2 h>c	17. n91.d2 h>c	24. n92.d2 h>c	33. n93.d2 h>c	42. n94.d2 h>c	51. n95.d2 h>c	60. n96.d2 h>c	69. n97.d2 h>c	78. n98.d2 h>c
5. n90.d3 h>c	14. n91.d3 h>c	23. n92.d3 h>c	32. n93.d3 h>c	41. n94.d3 h>c	50. n95.d3 h>c	58. n96.d3 h>c	67. n97.d3 h>c	77. n98.d3 h>c
4. n90.d4 h>t	13. n91.d4 h>t	22. n92.d4 h>t	31. n93.d4 h>t	40. n94.d4 h>t	49. n95.d4 h>t	58. n96.d4 h>t	67. n97.d4 h>t	76. n98.d4 h>t
3. n90.d5 h>t	12. n91.d5 h>t	21. n92.d5 h>t	30. n93.d5 h>t	39. n94.d5 h>t	48. n95.d5 h>t	57. n96.d5 h>t	66. n97.d5 h>t	75. n98.d5 h>t
2. n90.d6 h>h	11. n91.d6 h>h	20. n92.d6 h>h	29. n93.d6 h>h	38. n94.d6 h>h	47. n95.d6 h>h	56. n96.d6 h>h	65. n97.d6 h>h	74. n98.d6 h>h
1. n90.d7 h>h	10. n91.d7 h>h	19. n92.d7 h>h	28. n93.d7 h>h	37. n94.d7 h>h	46. n95.d7 h>h	55. n96.d7 h>h	64. n97.d7 h>h	73. n98.d7 h>h
0. n90.d8 h>h	9. n91.d8 h>h	18. n92.d8 h>h	27. n93.d8 h>h	36. n94.d8 h>h	45. n95.d8 h>h	54. n96.d8 h>h	63. n97.d8 h>h	72. n98.d8 h>h

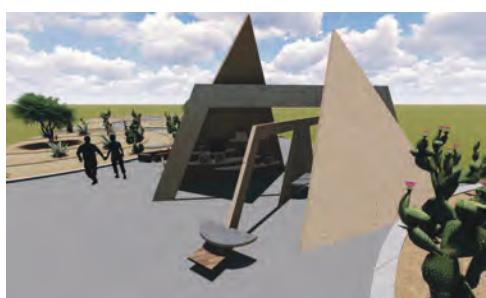
Matrix



Creation with color



Creation with no color



The project consists of a greek mythological character called Medusa. The mythological story helped to make a diagram of each character from the story. Representing each character importance in the story, and the resolution of the characters.

After the diagram design, final design began to appear abstracted with the characters characteristics. The abstraction helped the design have a better perspective on the kiosk and the story behind the design. The kiosk was designed to become an outdoor library, that would be located at EPCC with the option to be removable.

Work in Association with: Texas Tech University  
Software: Rhino 3D

### Physical Model



Collapsible Structure





