

Swan Dive

Archer Construction

Jackson Emerson

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Archer Construction

Shooting For the Future



Core Values

▣ Teamwork

- ▣ We understand that our most valuable asset is our people. Archer must be a rewarding place to work in order to be successful. Our mission is to create a diverse, equitable, and inclusive workplace where people can feel physically and emotionally secure. We want everyone at Archer, and everyone who visits a Archer location, to sincerely believe that they are a part of something special. We collaborate with our clients as a group. Our success is build on a foundation of mutual respect.

▣ Integrity

- ▣ We stick to our core values of quality, integrity and hard work. We have the industry's highest ethical standards. "We do the right thing," as they say. Archer is a company built on trust. Archer is known for its high standards of customer service, quality, personal attention to clients, and integrity.

▣ Commitment

- ▣ We go out of our way to find solutions for our clients that will help them reach their objectives. We recognize that long-term relationships are the lifeblood of our company, so we pay close attention to each of our clients and treat them as people. Our founder, Sterling Archer, properly referred to our clients as "respected friends."

Aspirations

- Individual Growth
- Cultural Impact
- Sustainable Practices
- More Environmentally Friendly
- L.E.E.D. Rating of Platinum
- Internship Opportunities
- Cooperative Opportunities

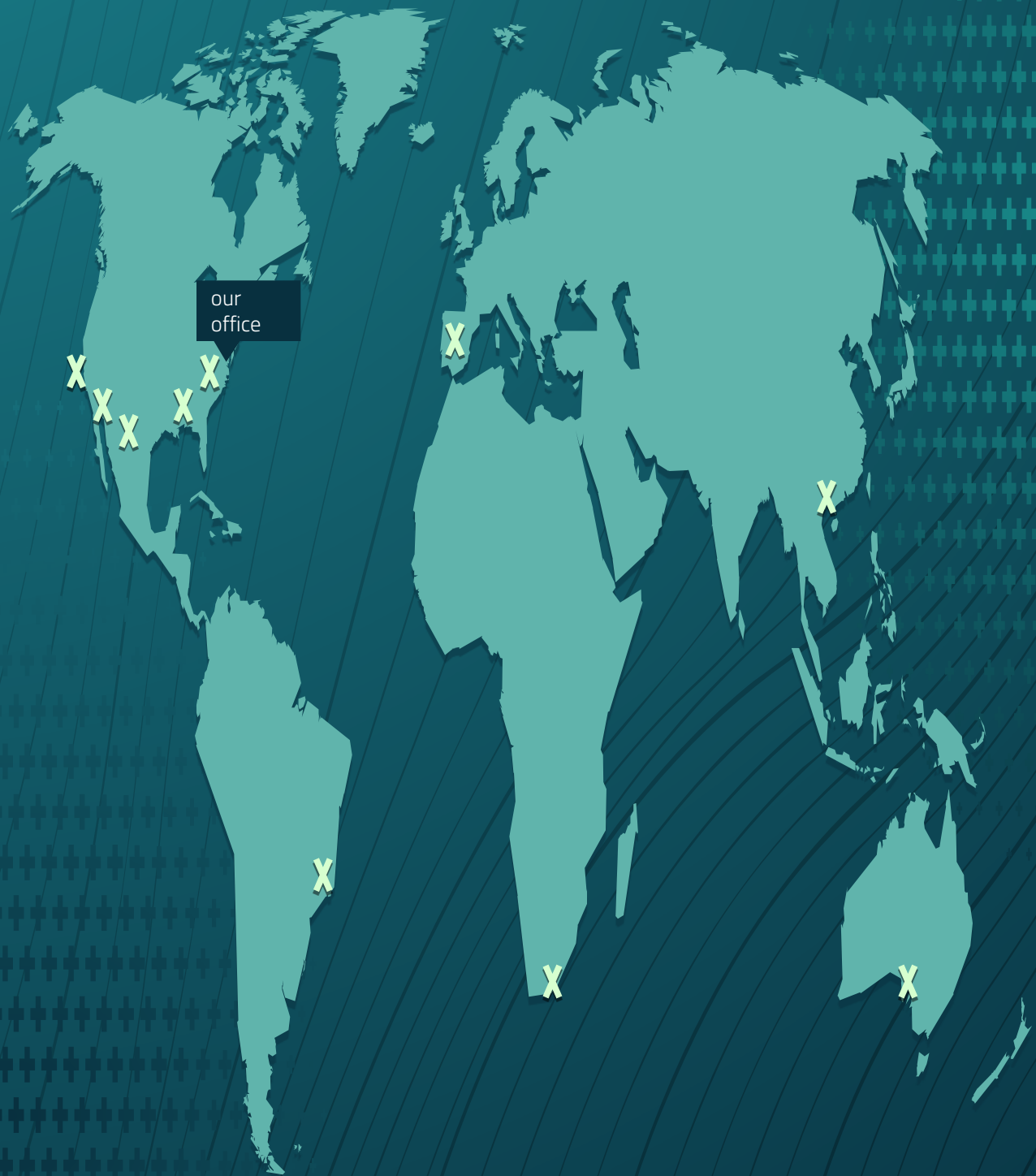
History

- Archer Construction was founded in 2009 by Malory Archer.
- There were 8 original employees
- Today, Archer Construction has more than 420 employees
- Based out of New York City, New York



Original Members

Locations



Ranking

- Ranked 1 in 2019
 - Top 400 Contractors
- Ranked 1 in 2018
 - Top 400 Contractors

ENR 2019 Top 400 Contractors

[001-100](#) | [101-200](#) | [201-300](#) | [301-400](#)

RANK 2019	RANK 2018	FIRM
1	1	ARCHER CONSTRUCTION, New York, N.Y.
2	2	FLUOR CORP., Irving, Texas†
3	3	TURNER CORP., New York, N.Y.
4	4	AECOM, Los Angeles, Calif.
5	8	THE WHITING-TURNER CONTRACTING CO., Baltimore, Md.
6	5	KIEWIT CORP., Omaha, Neb.†
7	6	SKANSKA USA, New York, N.Y.†
8	7	PCL CONSTRUCTION ENTERPRISES INC., Denver, Colo.†
9	9	MCDERMOTT, Houston, Texas
10	15	DPR CONSTRUCTION, Redwood City, Calif.

Prior Projects

St. Louis Cathedra

New Orleans,
Louisiana, U.S.



Reunion Tower

Dallas, Texas, U.S.

L'Oceano- Gràfic

Valencia, Spain



Community Involvement

- National Urban League and local affiliates
- Women's Business Enterprise National Council and local affiliates
- National Association for Women in Construction
- National Minority Supplier Development Council and local affiliates
- National Society of Black Engineers
- National Society of Hispanic MBAs
- National Veteran Business Development Council (NVBDC)
- Society of Women Engineers
- American Red Cross

Testimonials

"These people do not cut corners...unlike me"

- Lance Armstrong

"They complete projects faster than I can run a 40"

- Bo Jackson

"Archer Construction crushes the competition!"

- Michael Jordan

"Archer Construction is the 'Masters' of construction"

- Tiger Woods

"Archer is able to ice other construction companies with their high quality work."

- Bob Vance Vance Refrigeration

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Branch, Idaho



Members

- Jackson Emerson
 - (317)-363-6773
 - Jdemerso@purdue.edu
- Dylan Vergara
 - (609)-214-8009
 - Davergar@purdue.edu
- Elizabeth Geiser
 - (262)-408-3779
 - Egeiser@purdue.edu
- Ebboni Young
 - (765)-535-8614
 - Younget@purdue.edu
- Ella Tietz
 - (217)-597-1621
 - Etietz@purdue.edu

Unit Division

- Jackson Emerson
 - Unit 1
- Dylan Vergara
 - Unit 2
- Elizabeth Geiser
 - Unit 3
- Ebboni Young
 - Unit 4
- Ella Tietz
 - Unit 5

Time Keeping

Time spend

- AutoCad
 - ~10 Hours
- Revit
 - ~50 Hours

Project Goal

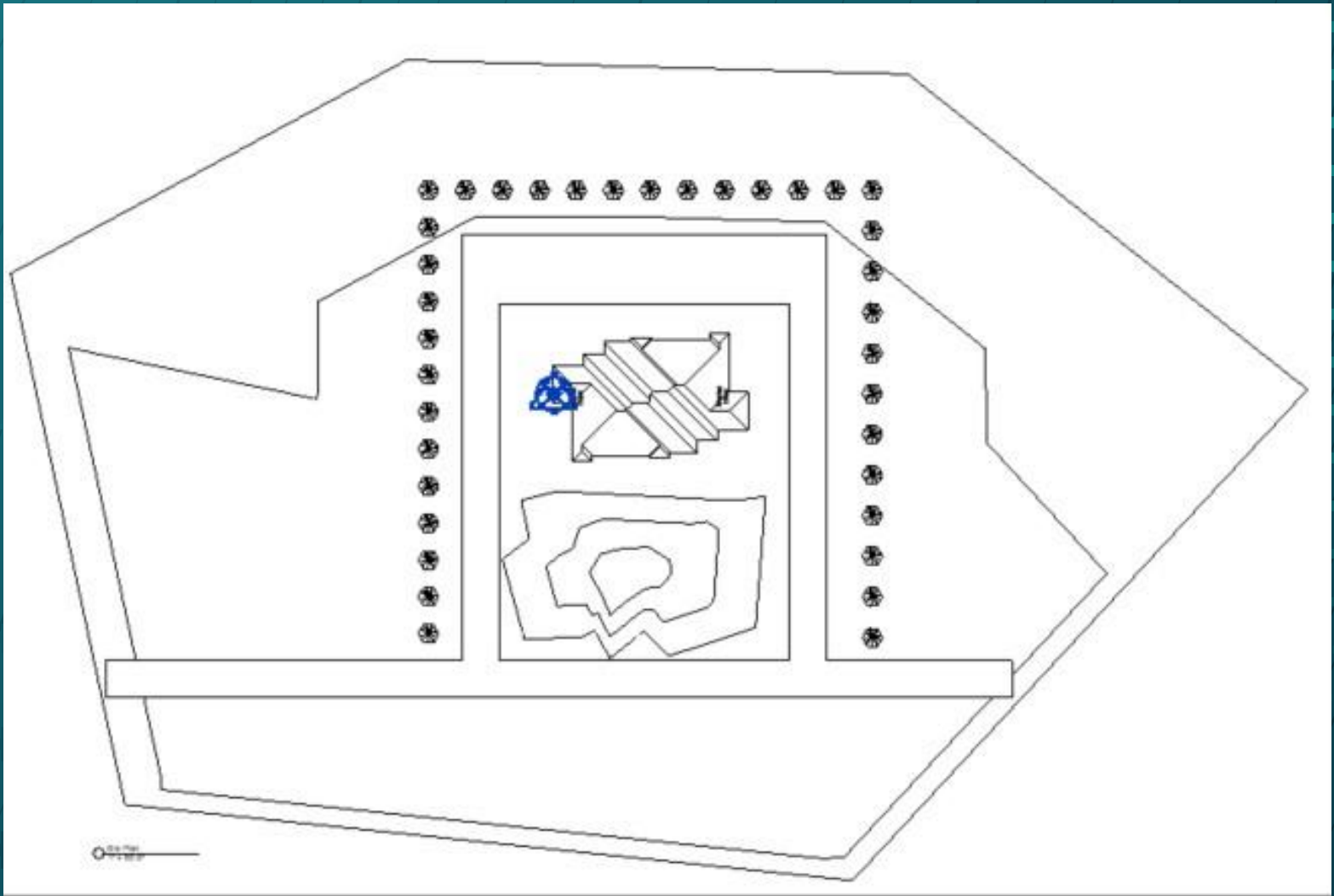
- Design a functional and visually appealing apartment complex.
- The positive curbside appeal.
- Affordable landscaping
- Minimum of 3 floors
- Minimum of 7 rooms per floor

Project Solution

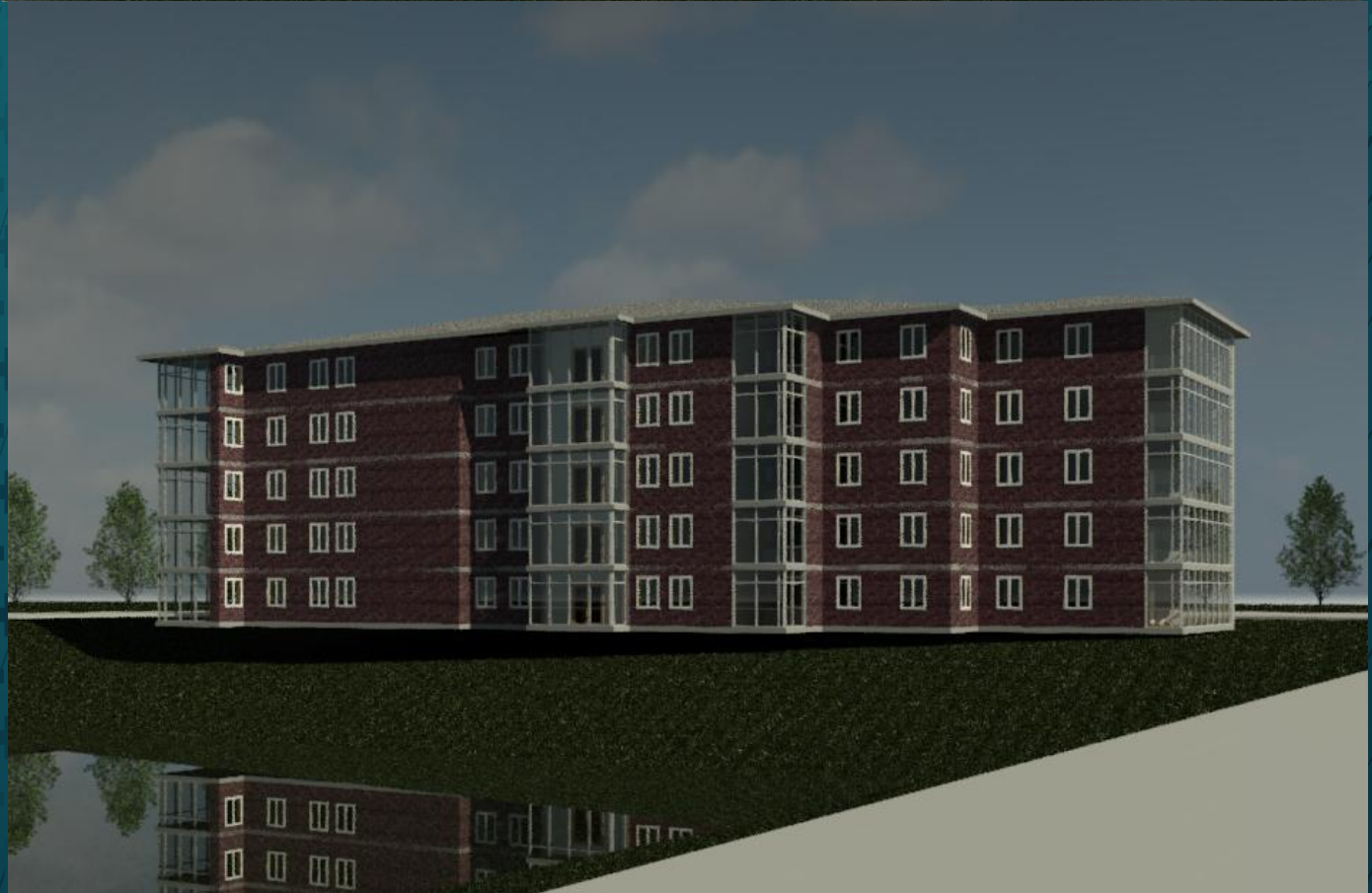
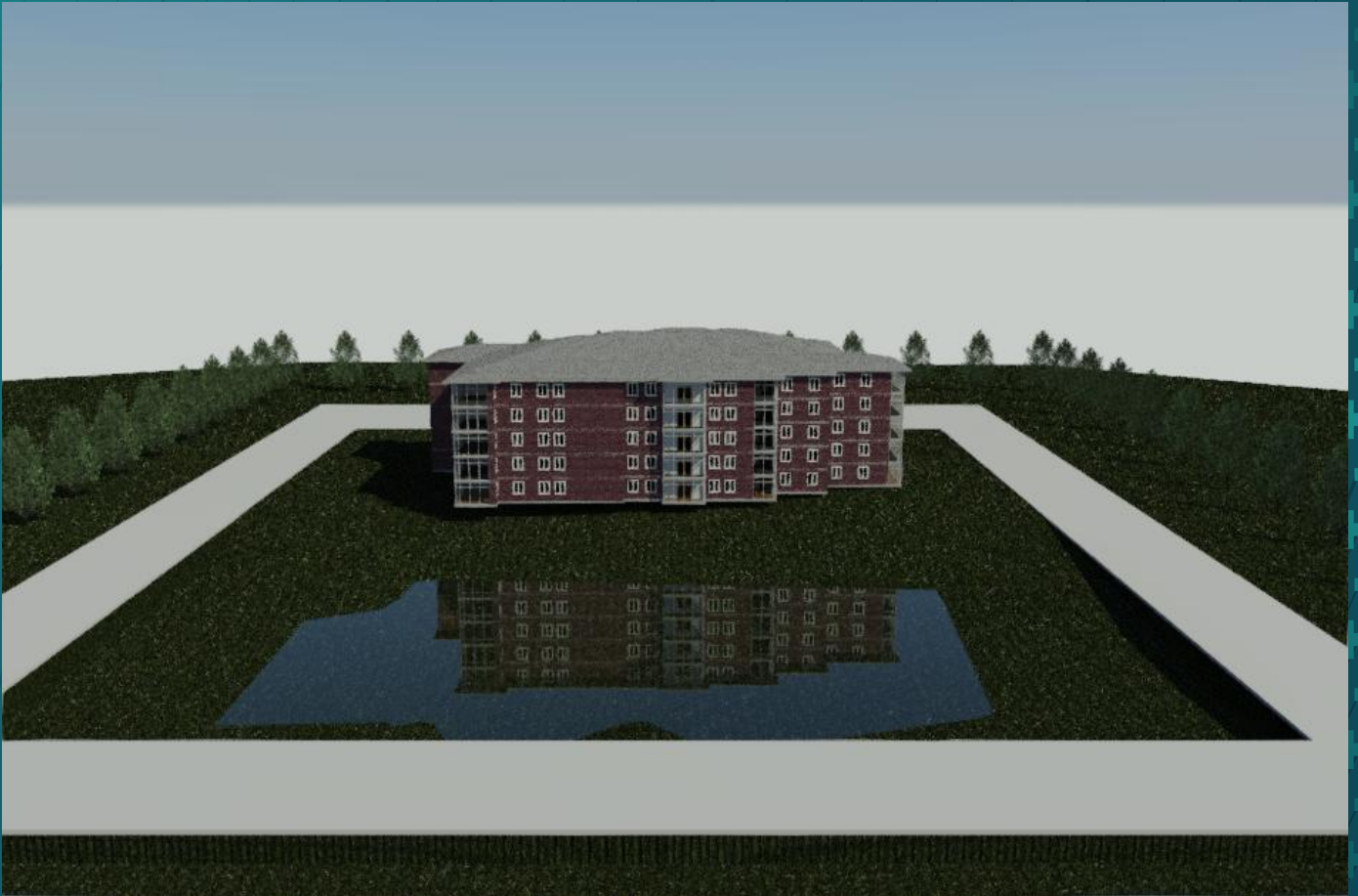
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- Provides a well operational apartment complex with 5 different room styles all allowing for great exposure to natural sunlight. Each floor as 10 total rooms and a total of 5 floors. There is parking in the back away from the road to keep a pleasant roadside appearance. The roadside has a fountain that is alongside the road with 2 different entrance points onto the property lined with trees.

Site Plan



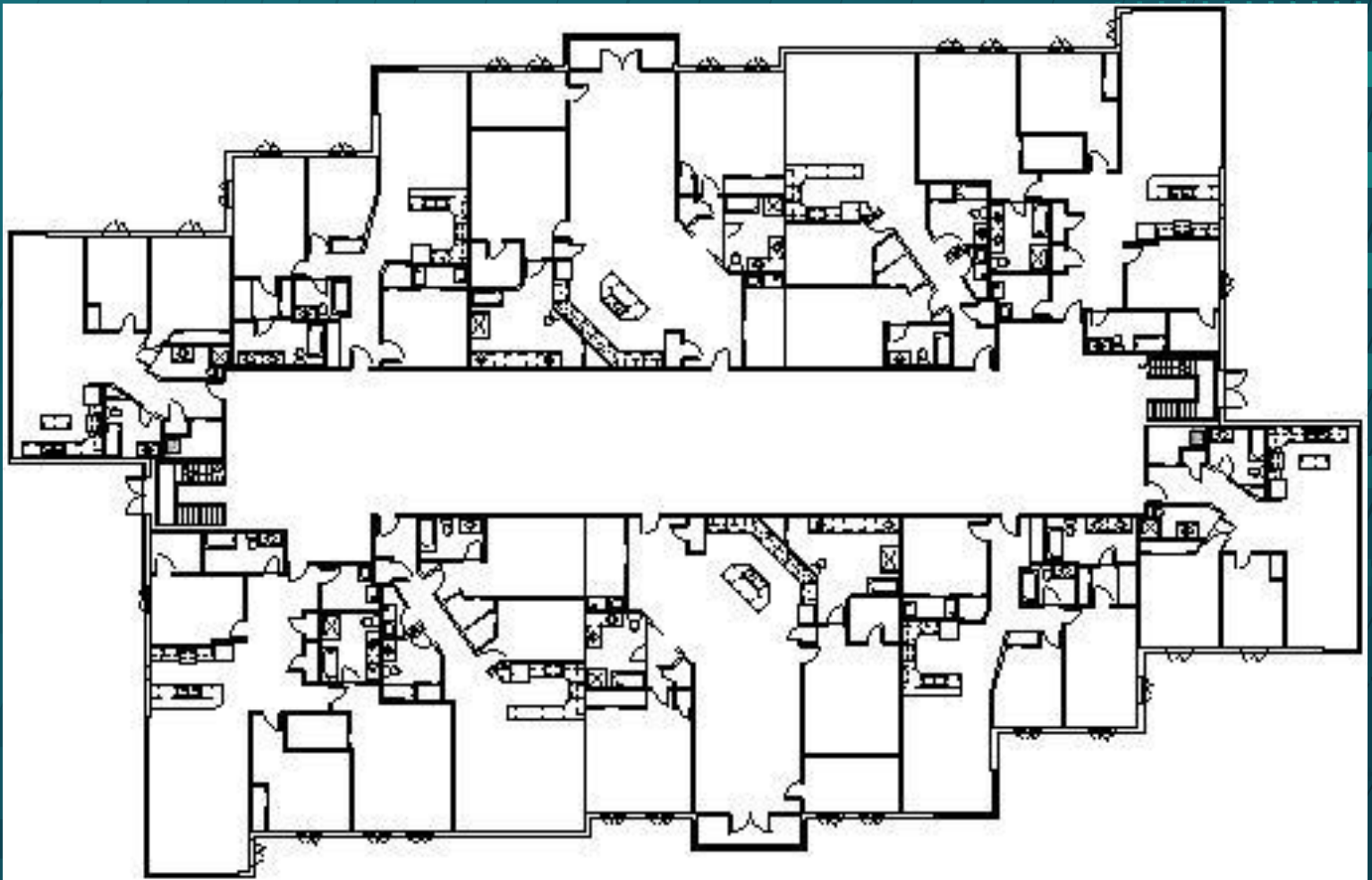
Exterior



Exterior



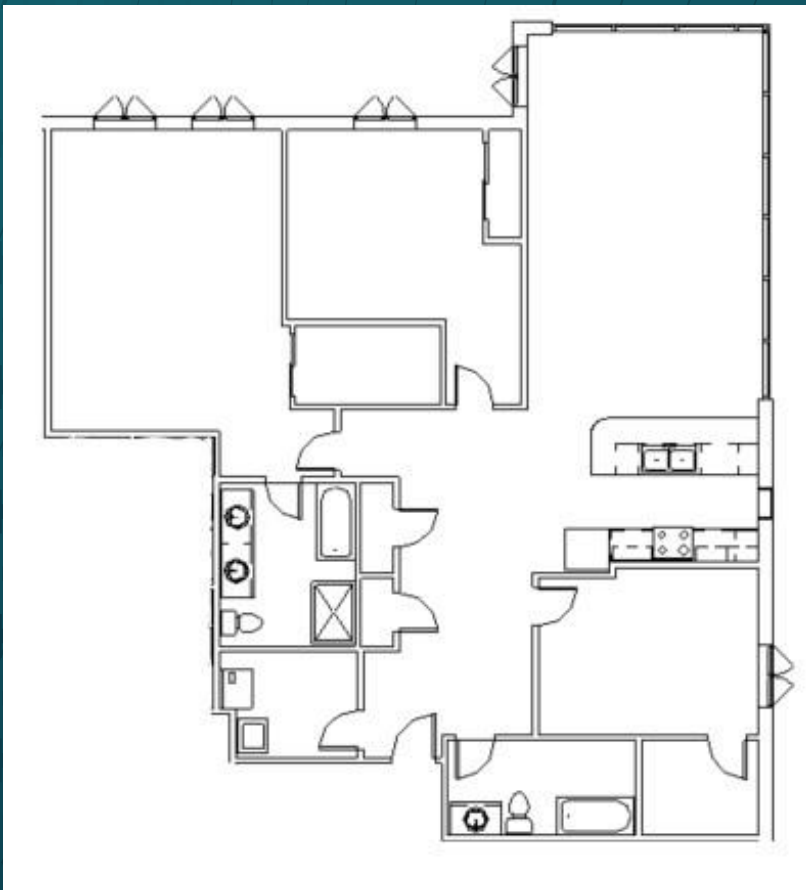
Floor Plan



Unit 1

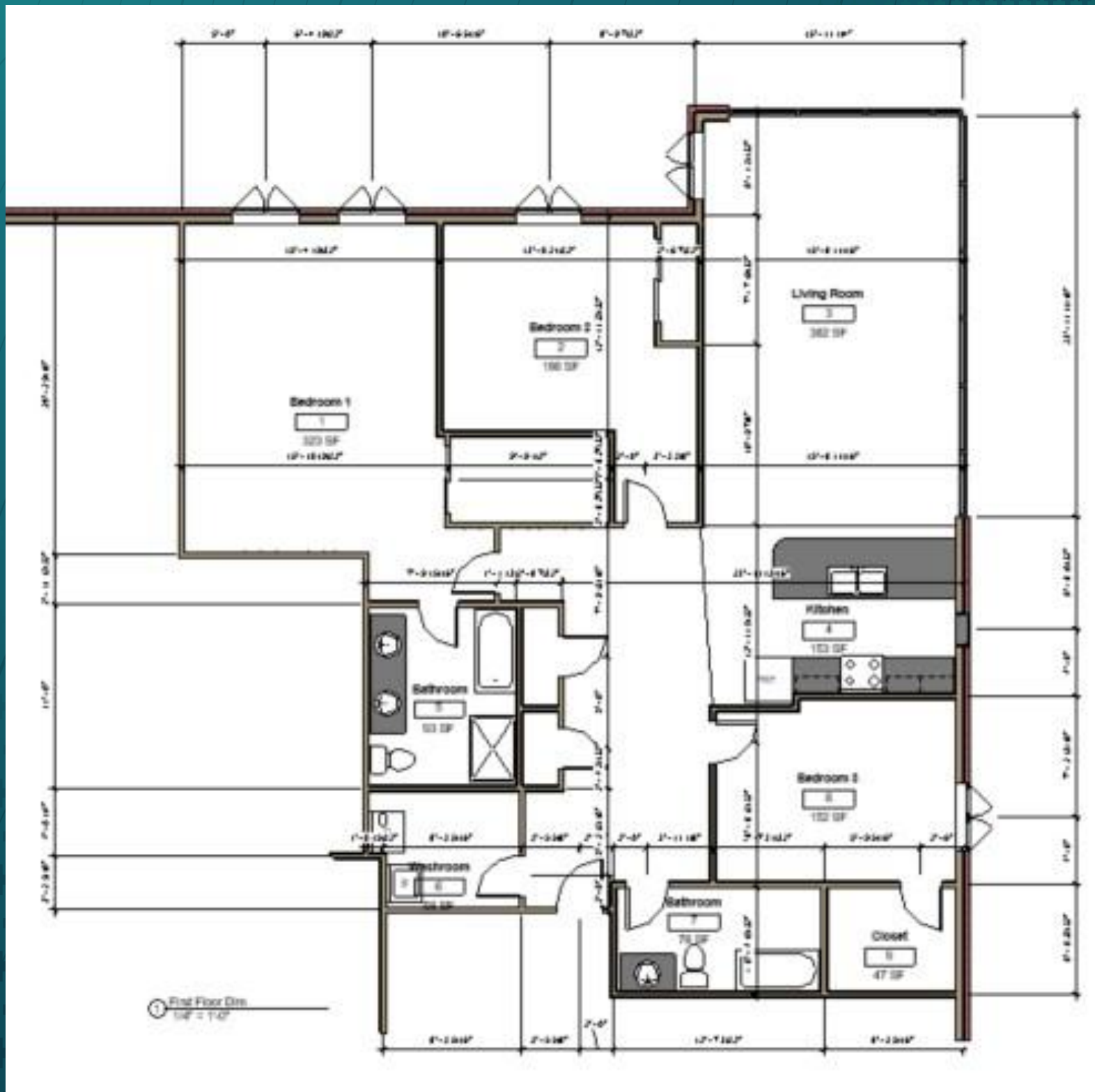


AutoCad
Initial



Revit
Final

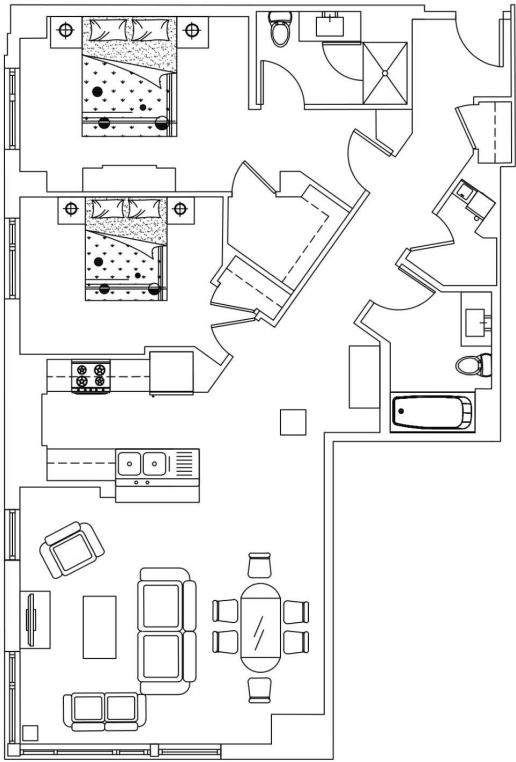
Unit 1



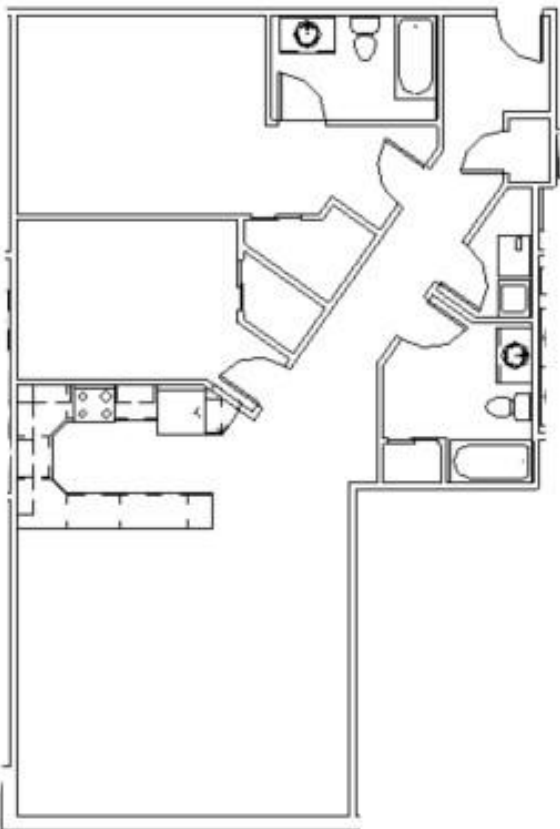
Unit 1



Unit 2



AutoCad
Initial

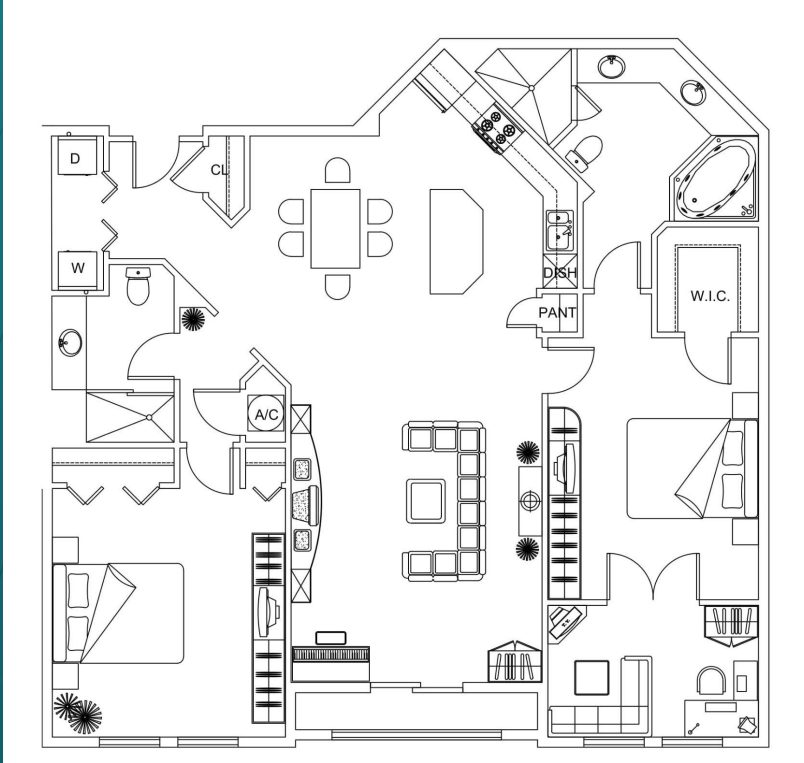


Revit
Final

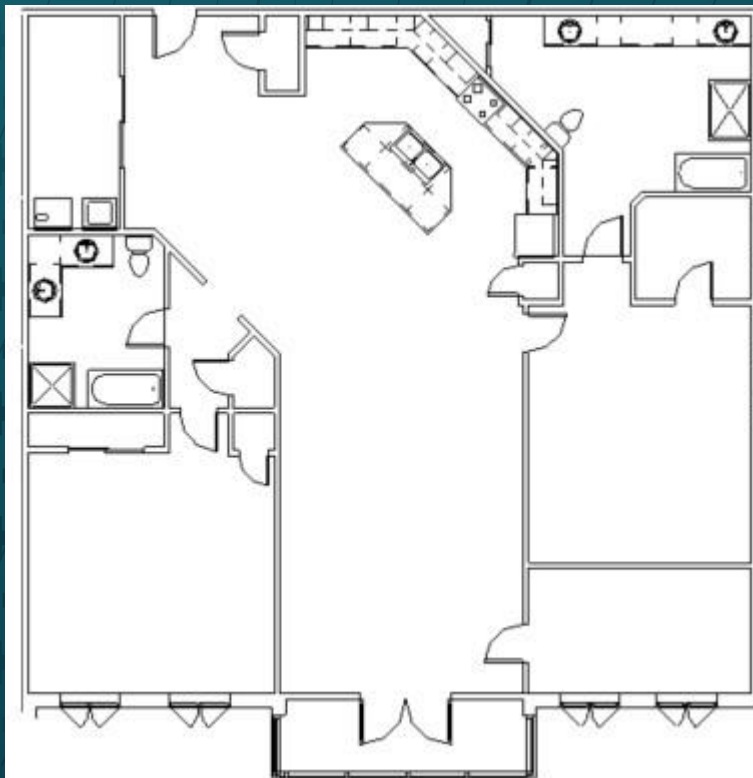
Unit 2



Unit 3



AutoCad
Initial

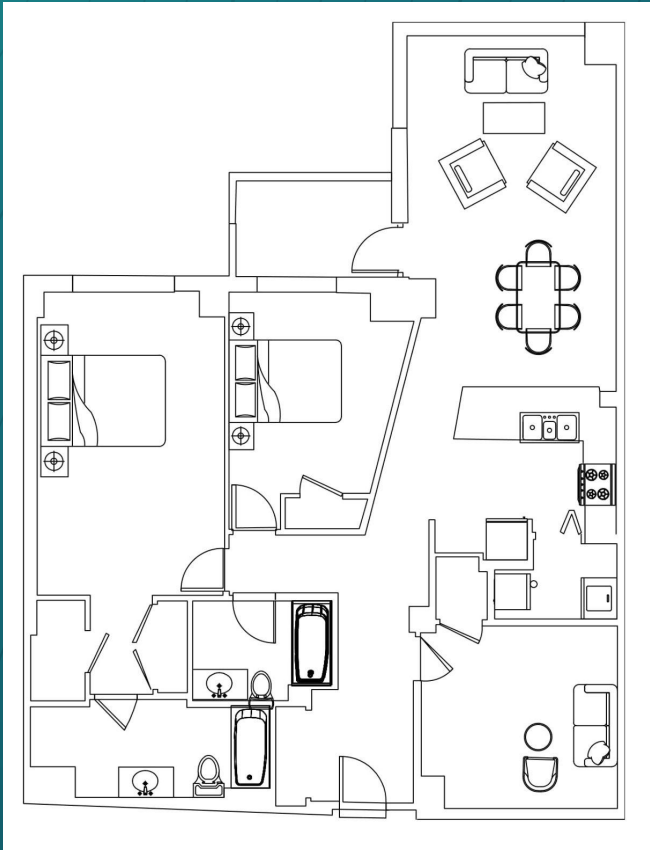


Revit
Final

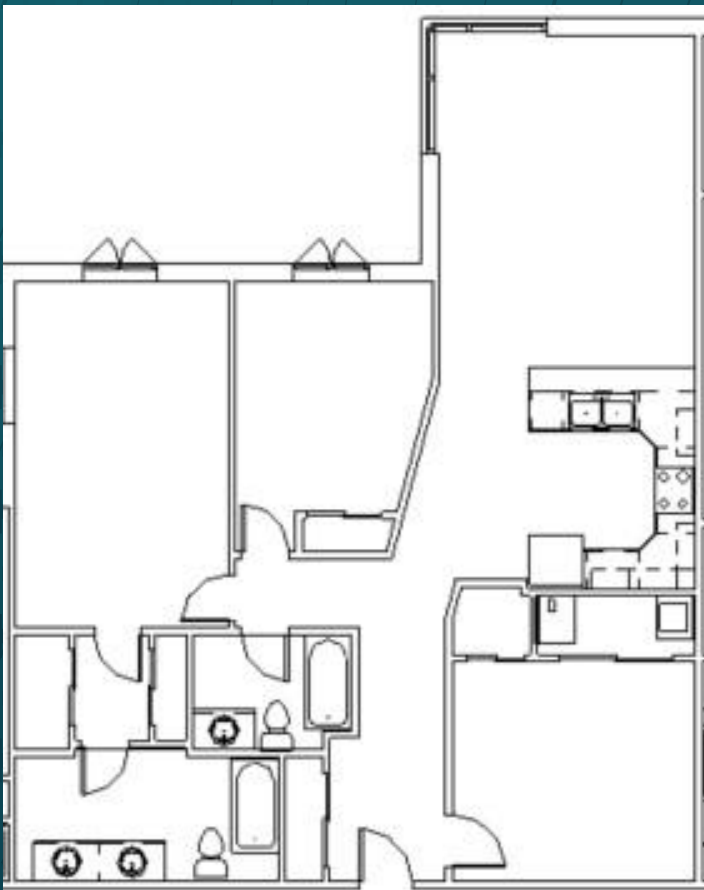
Unit 3



Unit 4



AutoCad
Initial

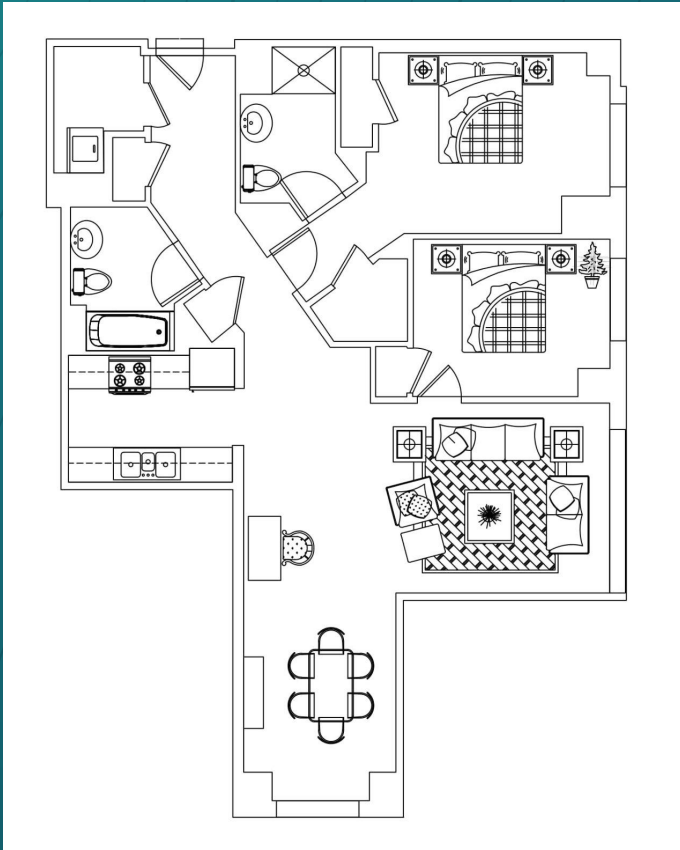


Revit
Final

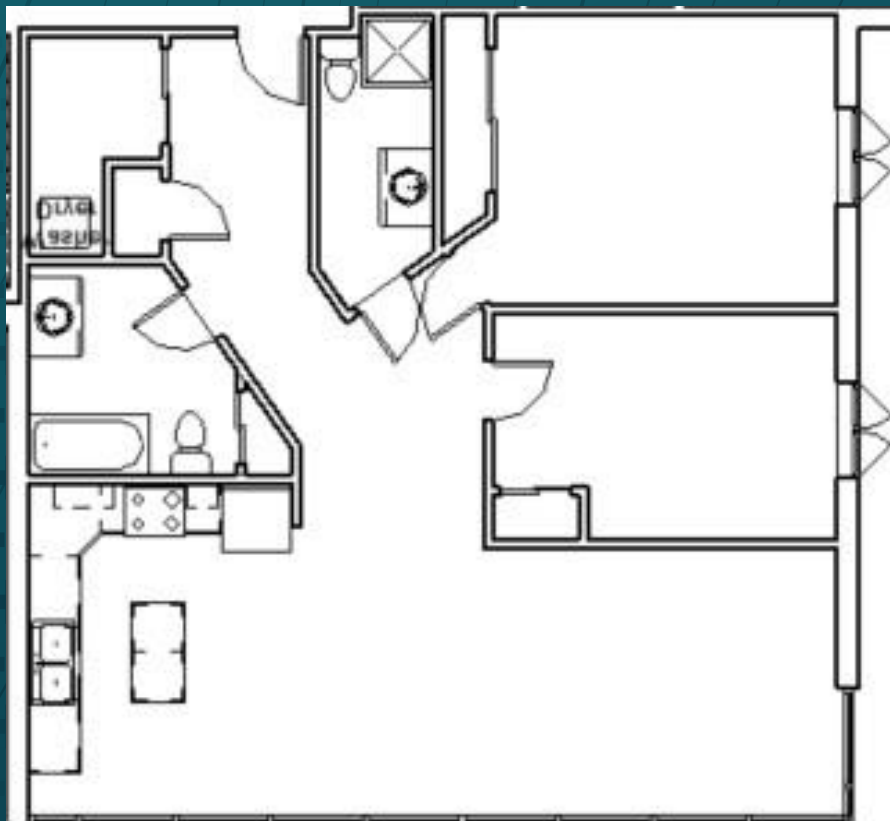
Unit 4



Unit 5



AutoCad
Initial



Revit
Final

Unit 5



Appendix

- <https://www.enr.com/toplists/2019-Top-400-Contractors1>
- https://archer.fandom.com/wiki/Vision_Quest
- <https://nationaltoday.com/archery-day/>
- <https://www.neworleans.com/listing/st-louis-cathedral/32149/>
- https://ca.wikipedia.org/wiki/L%27Oceanogr%C3%A0fic_de_Val%C3%A8ncia
- https://skyscrapers.fandom.com/wiki/Reunion_Tower